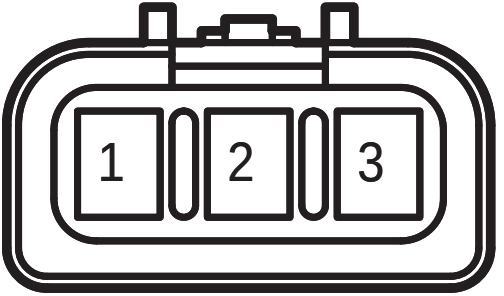
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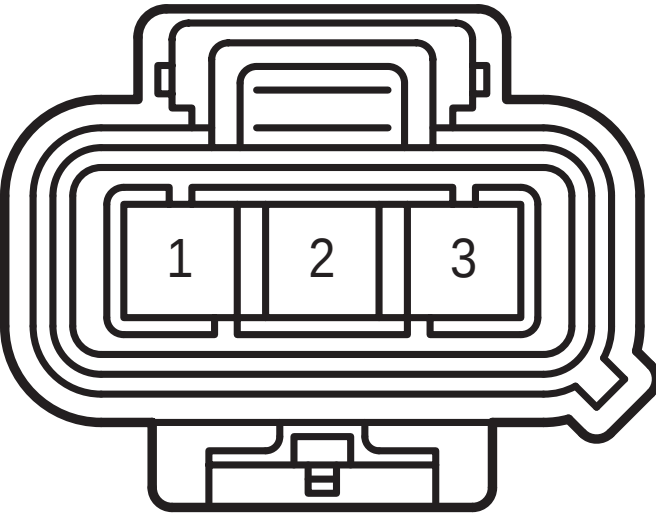
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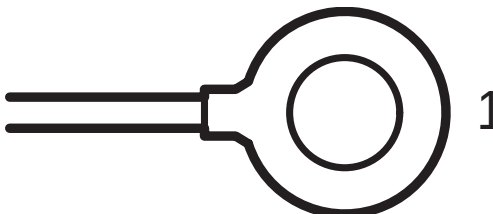
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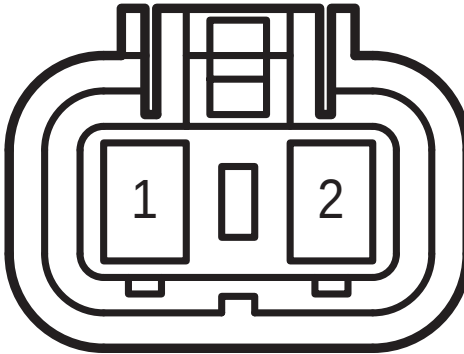
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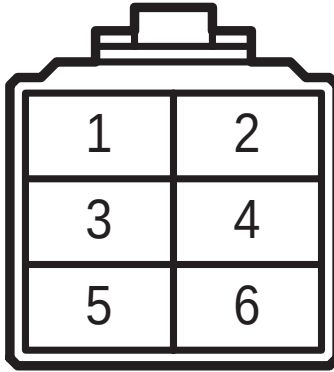
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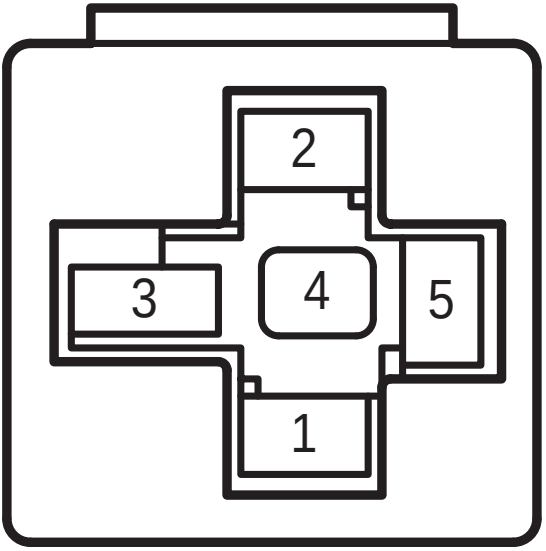
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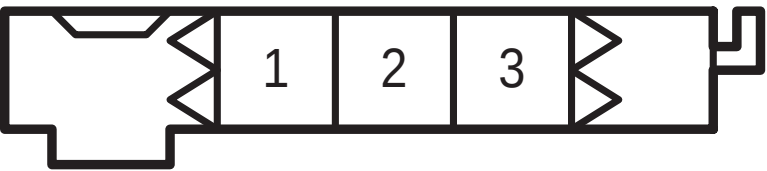
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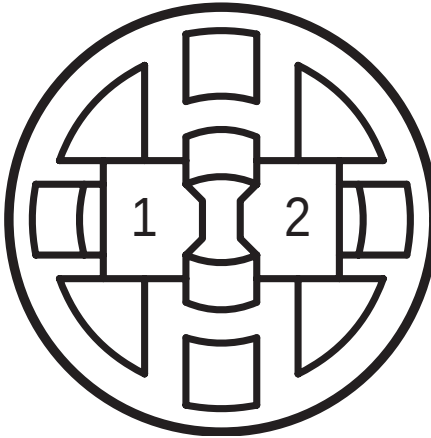
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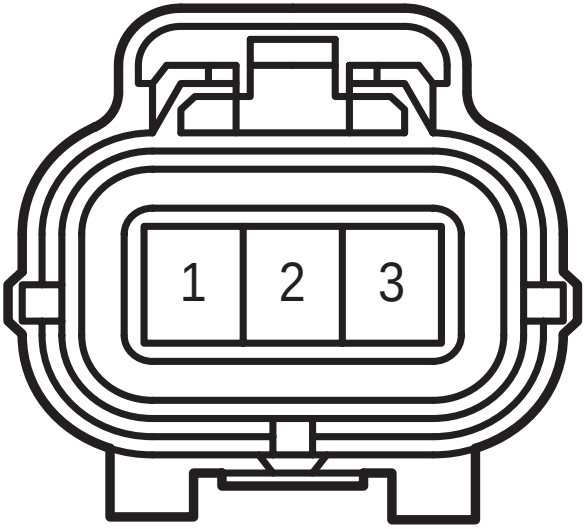
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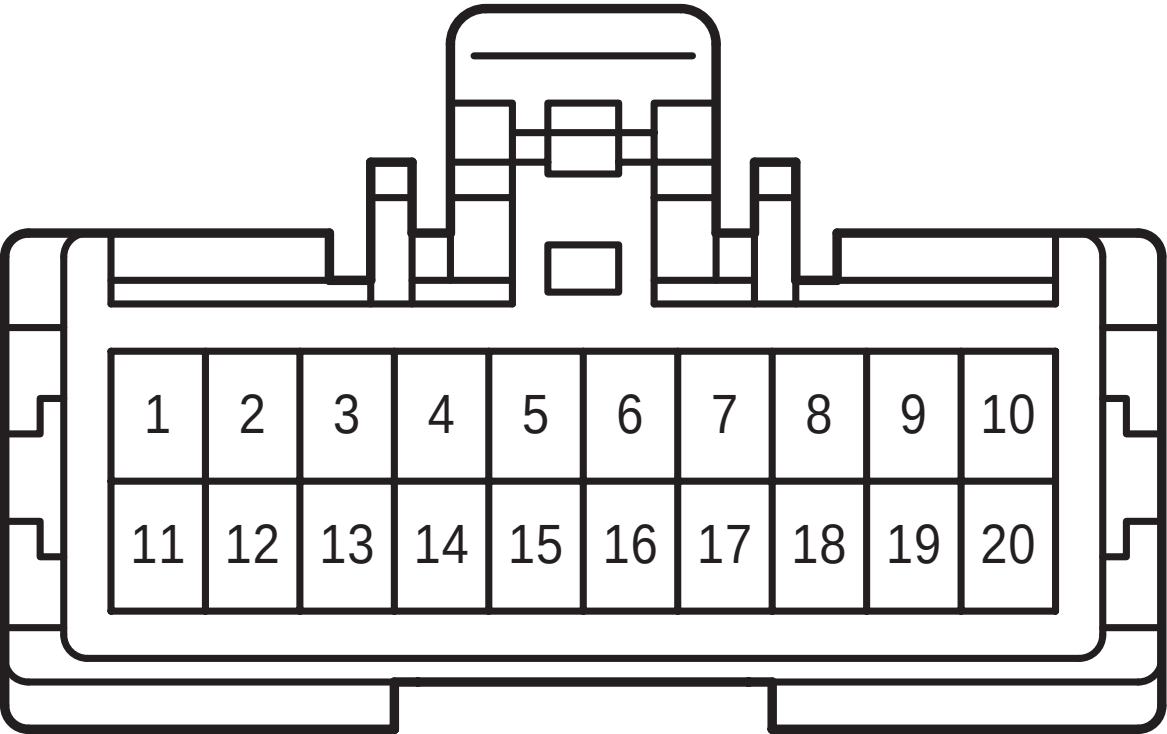
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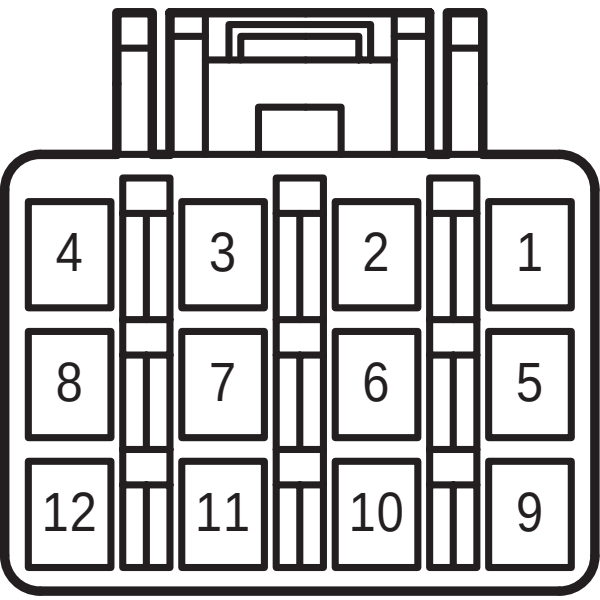
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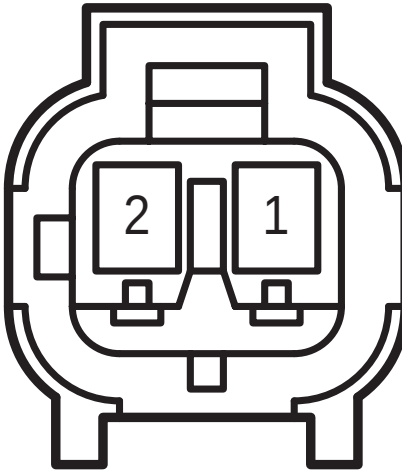
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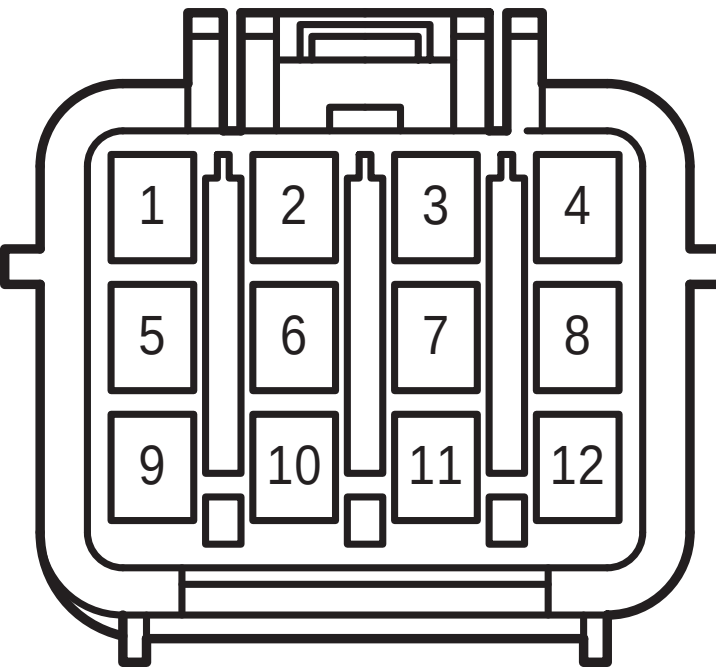
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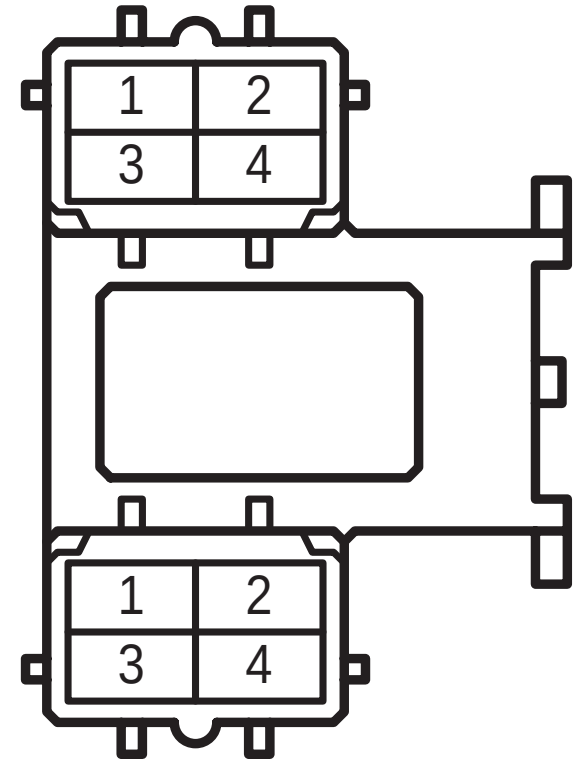
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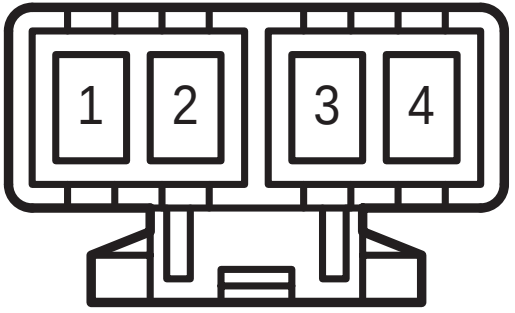
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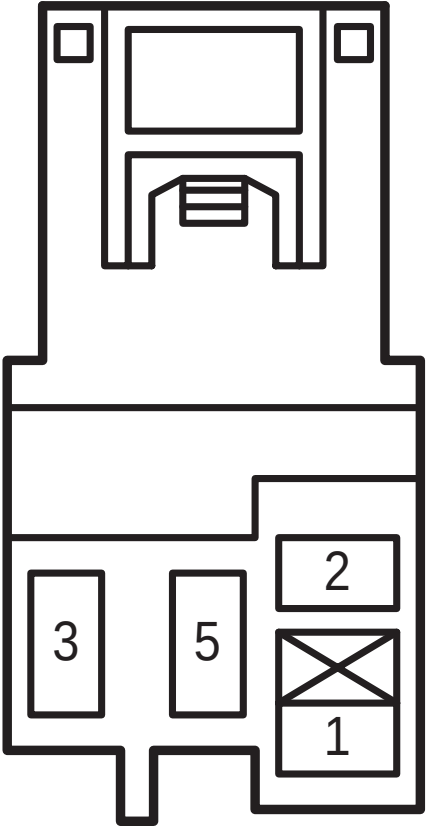
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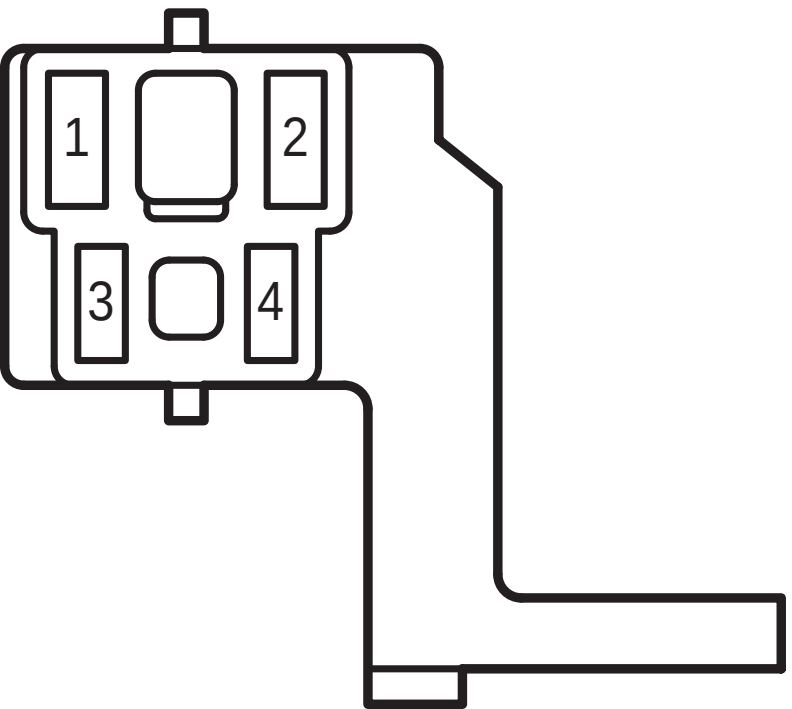
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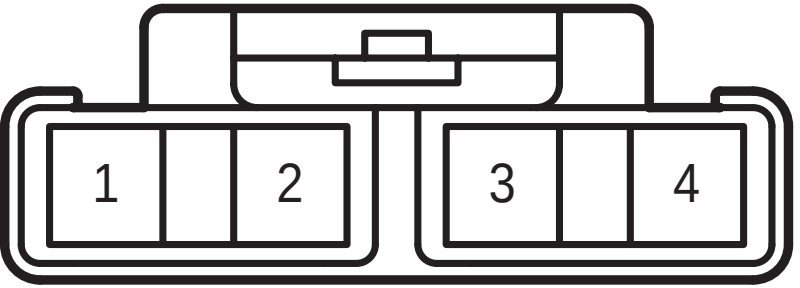
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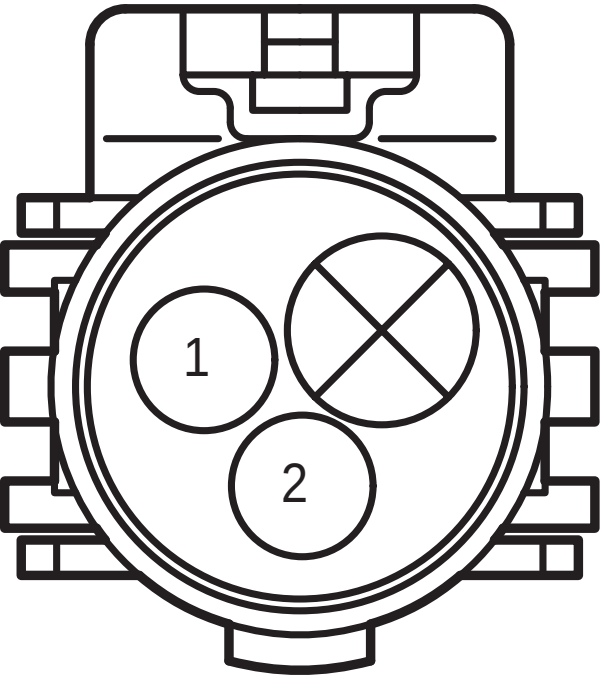
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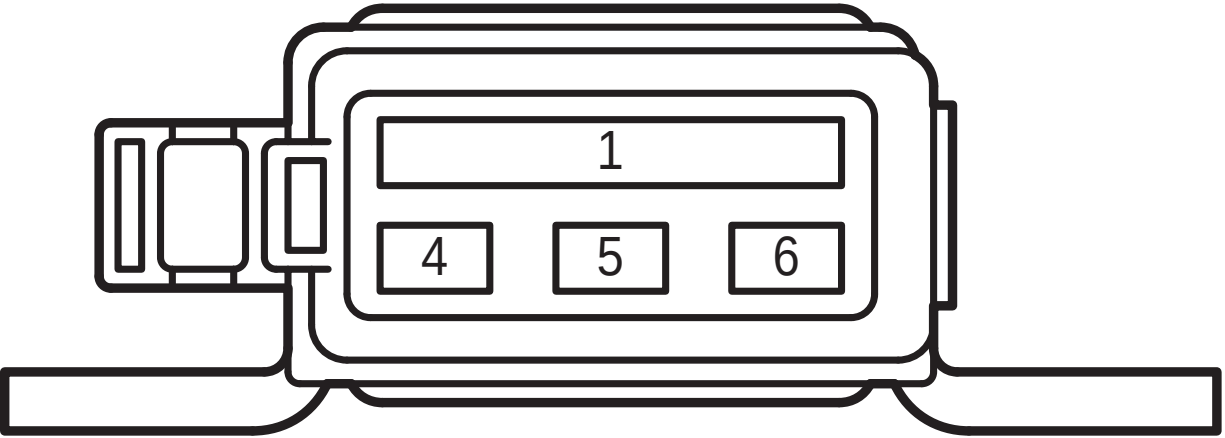
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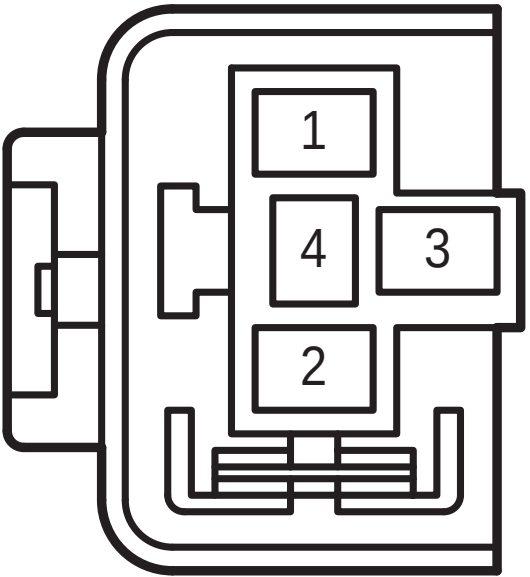
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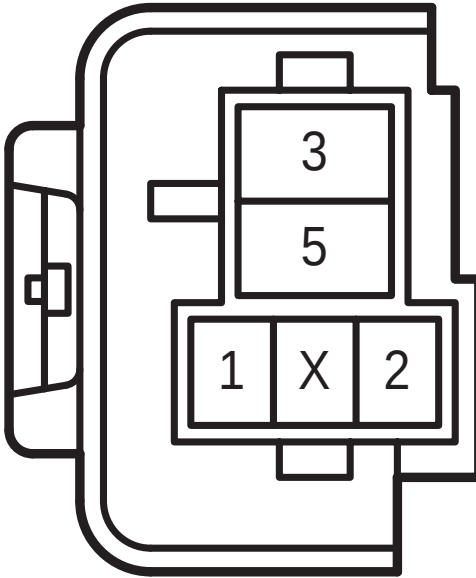
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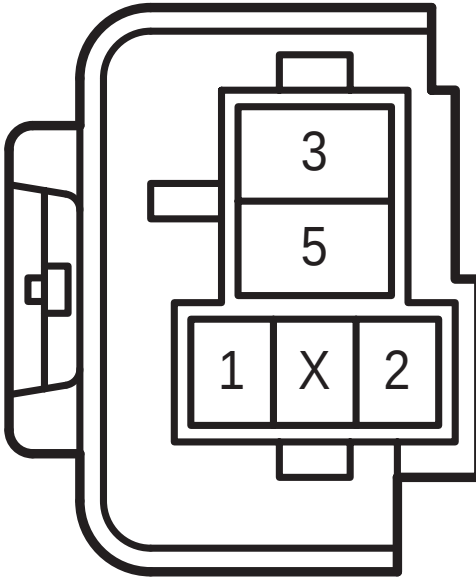
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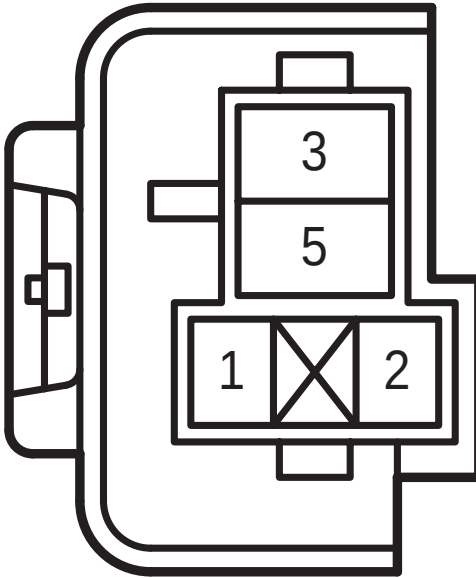
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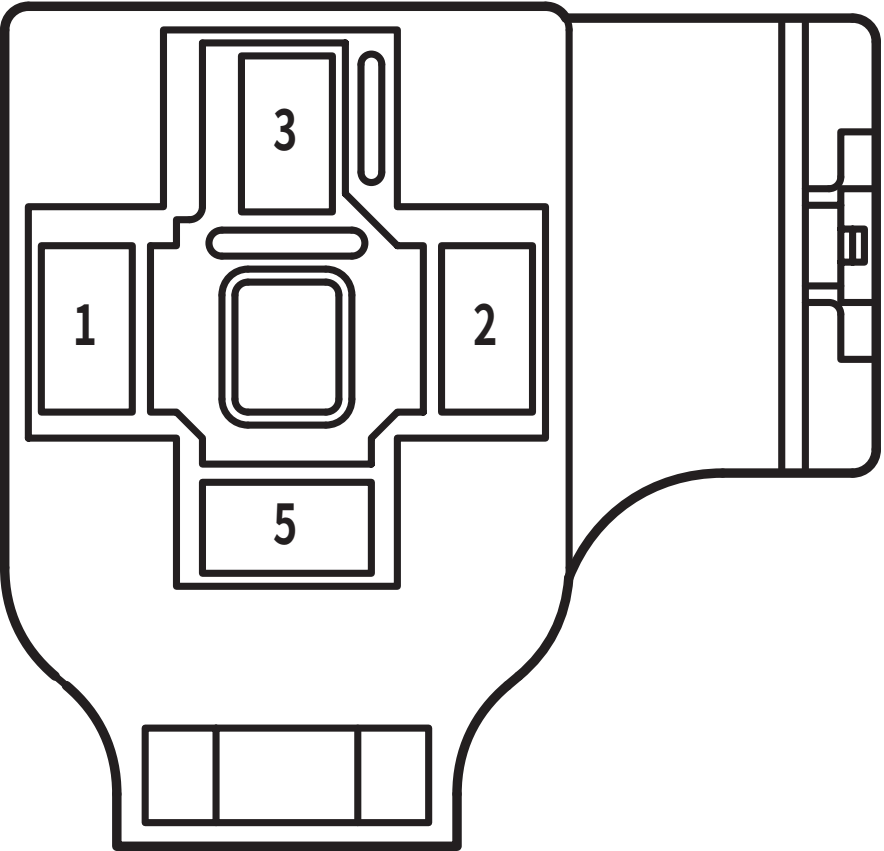
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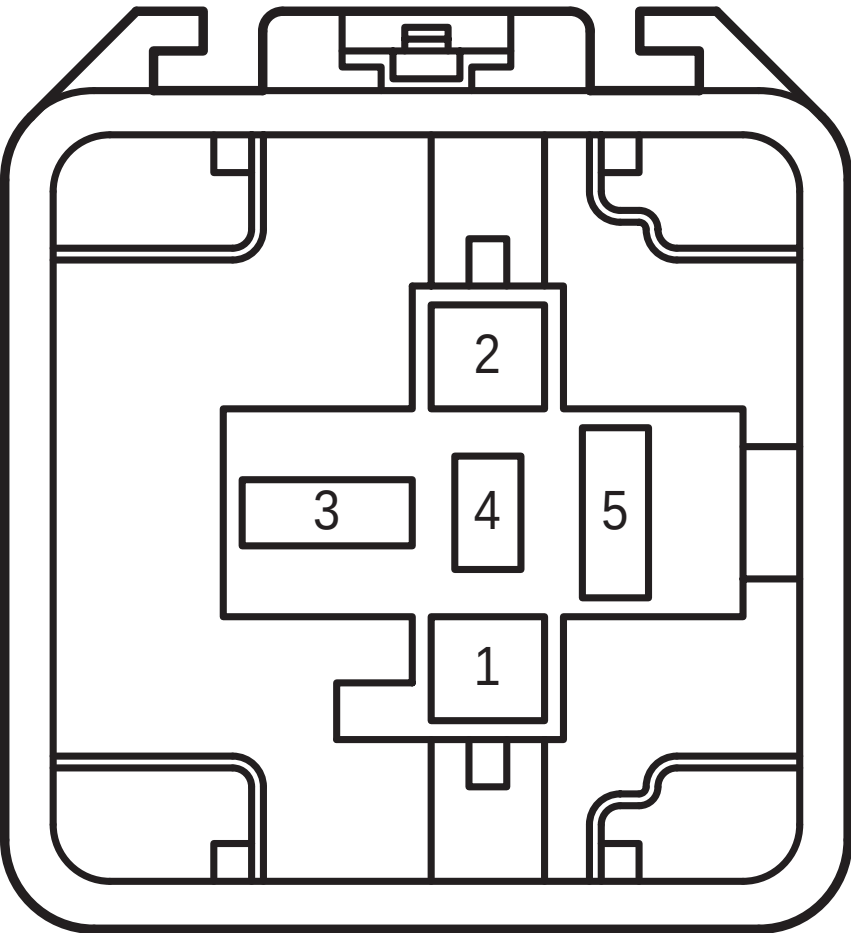
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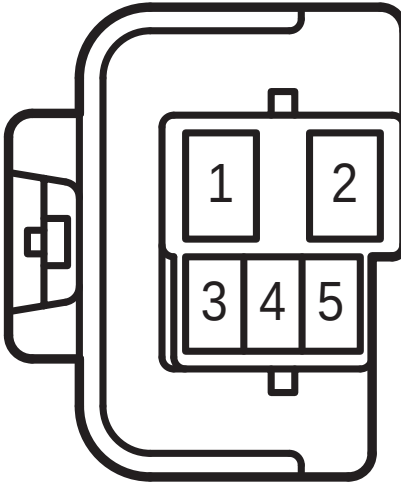
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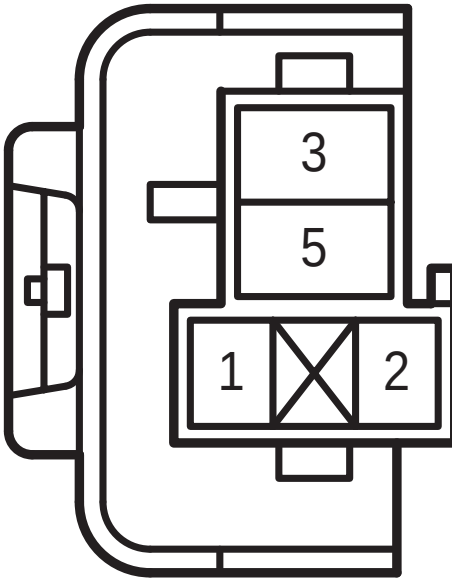
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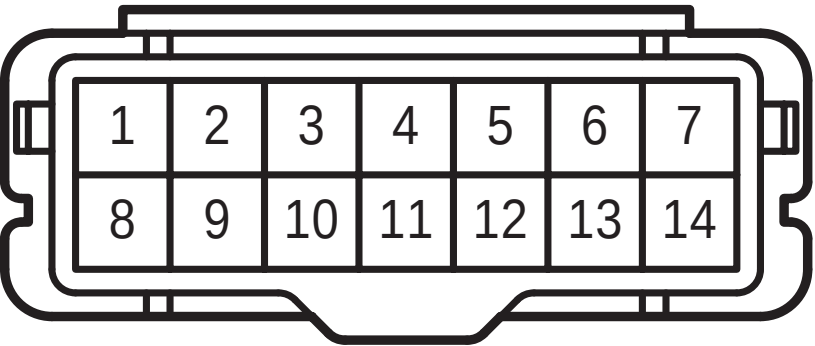
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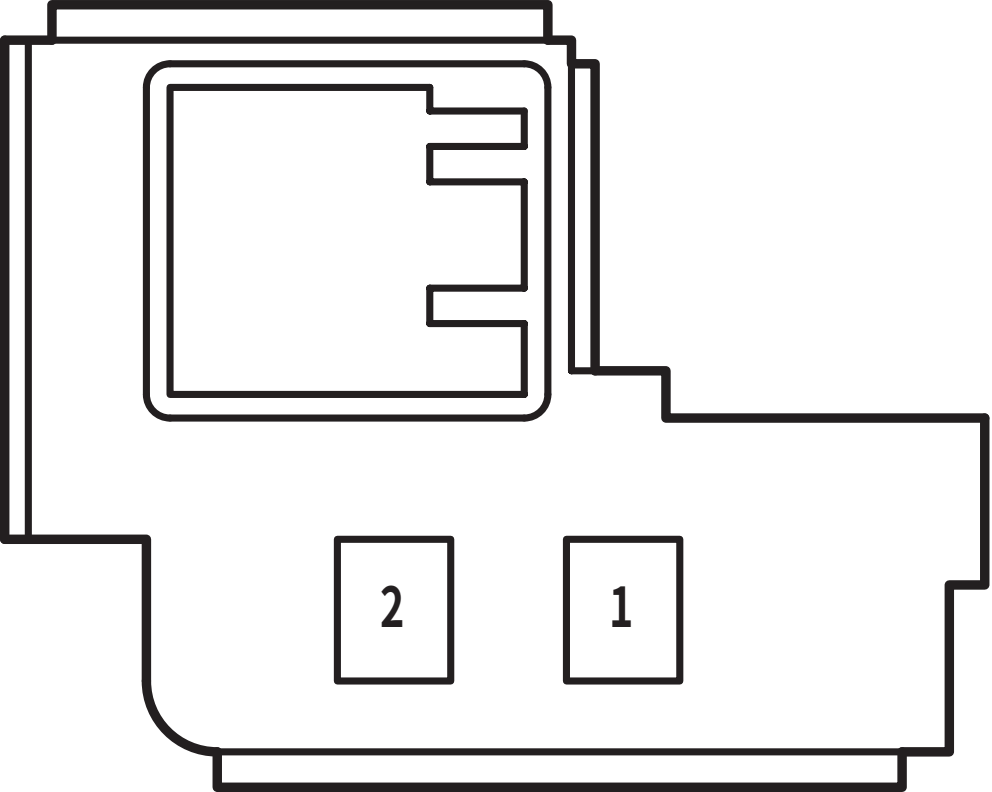
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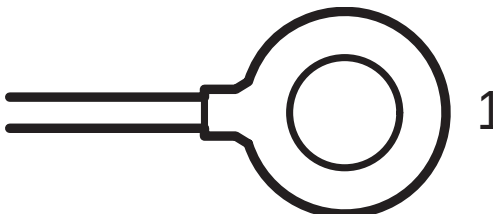
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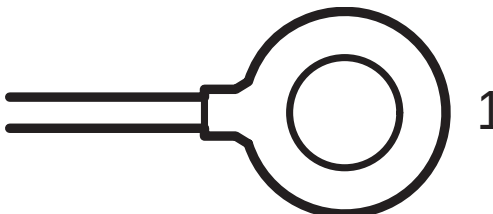
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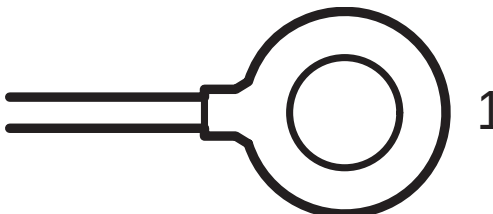
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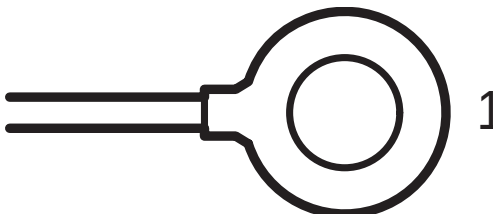
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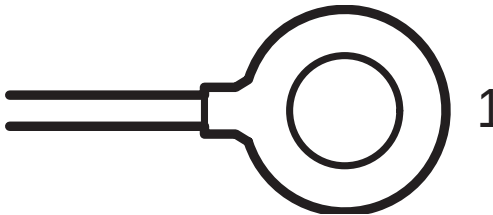
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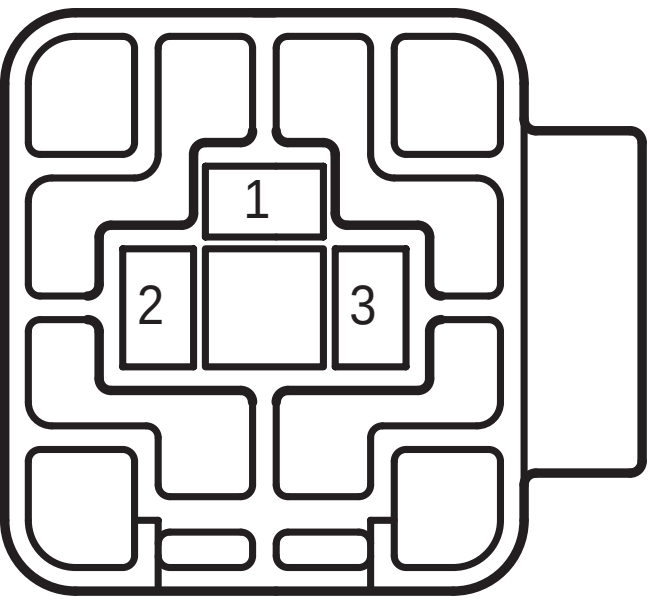
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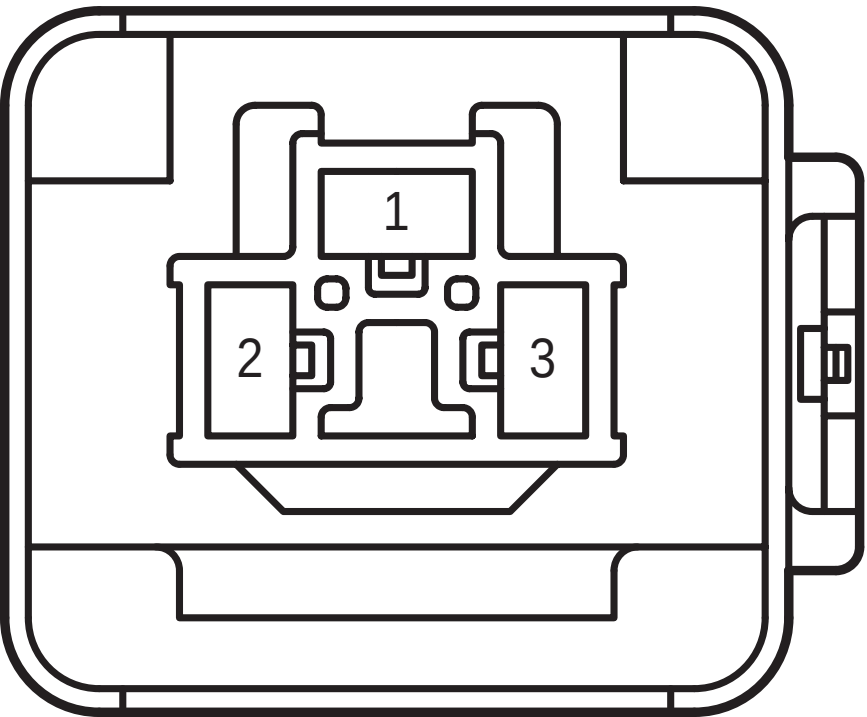
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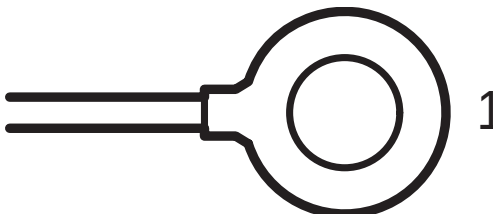
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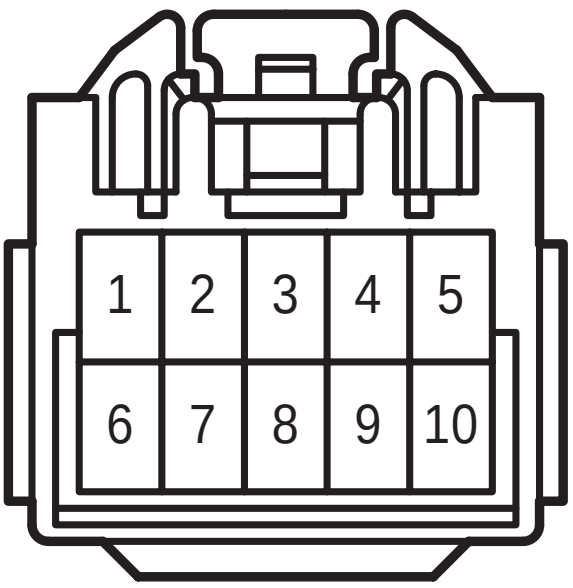
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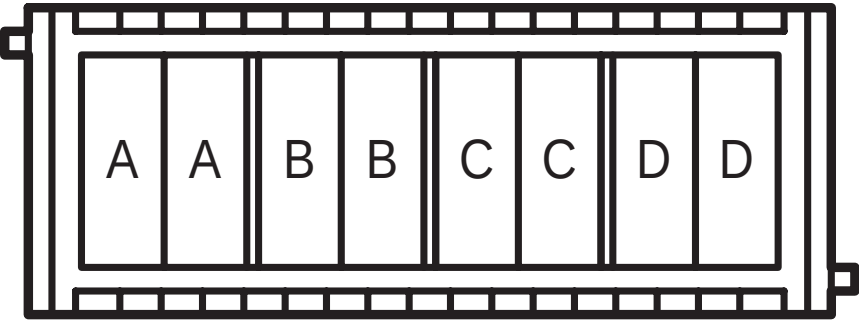
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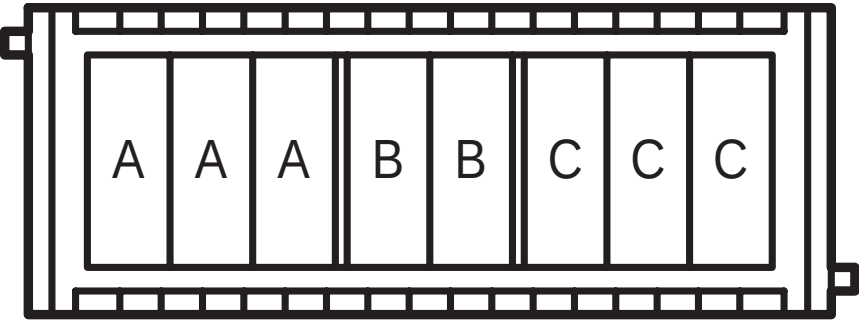
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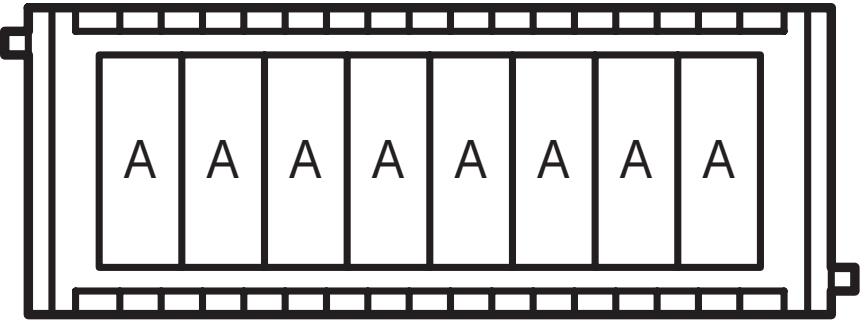
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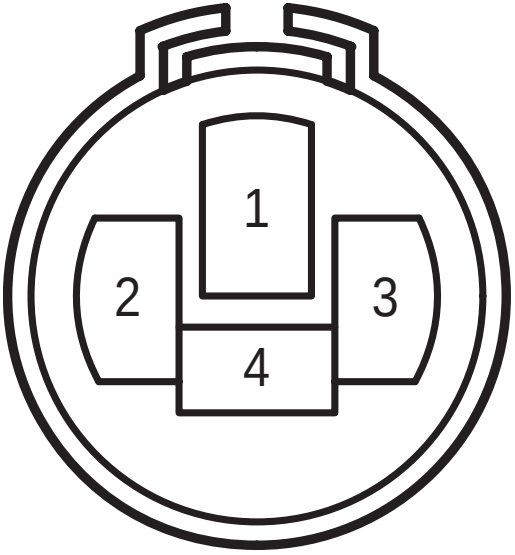
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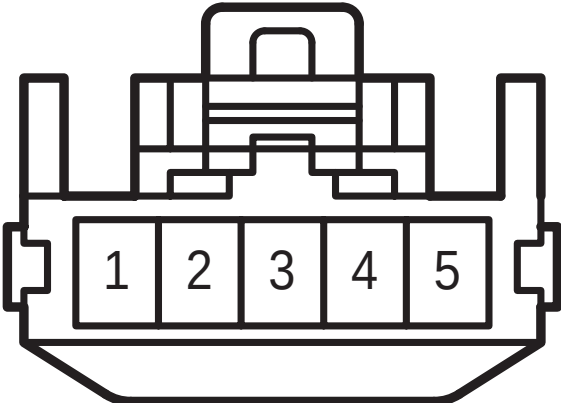
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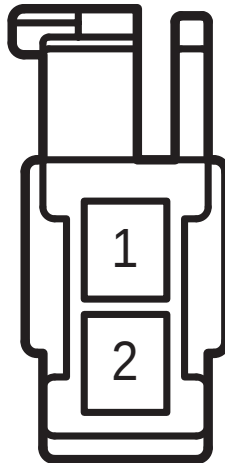
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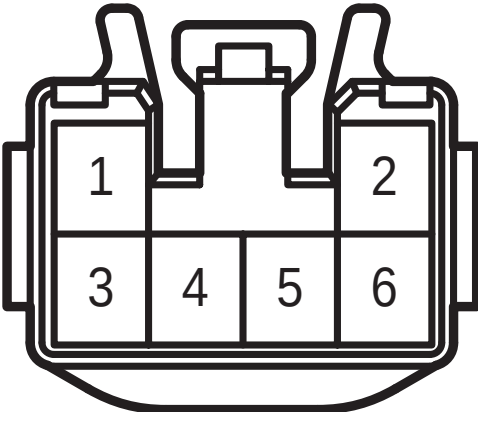
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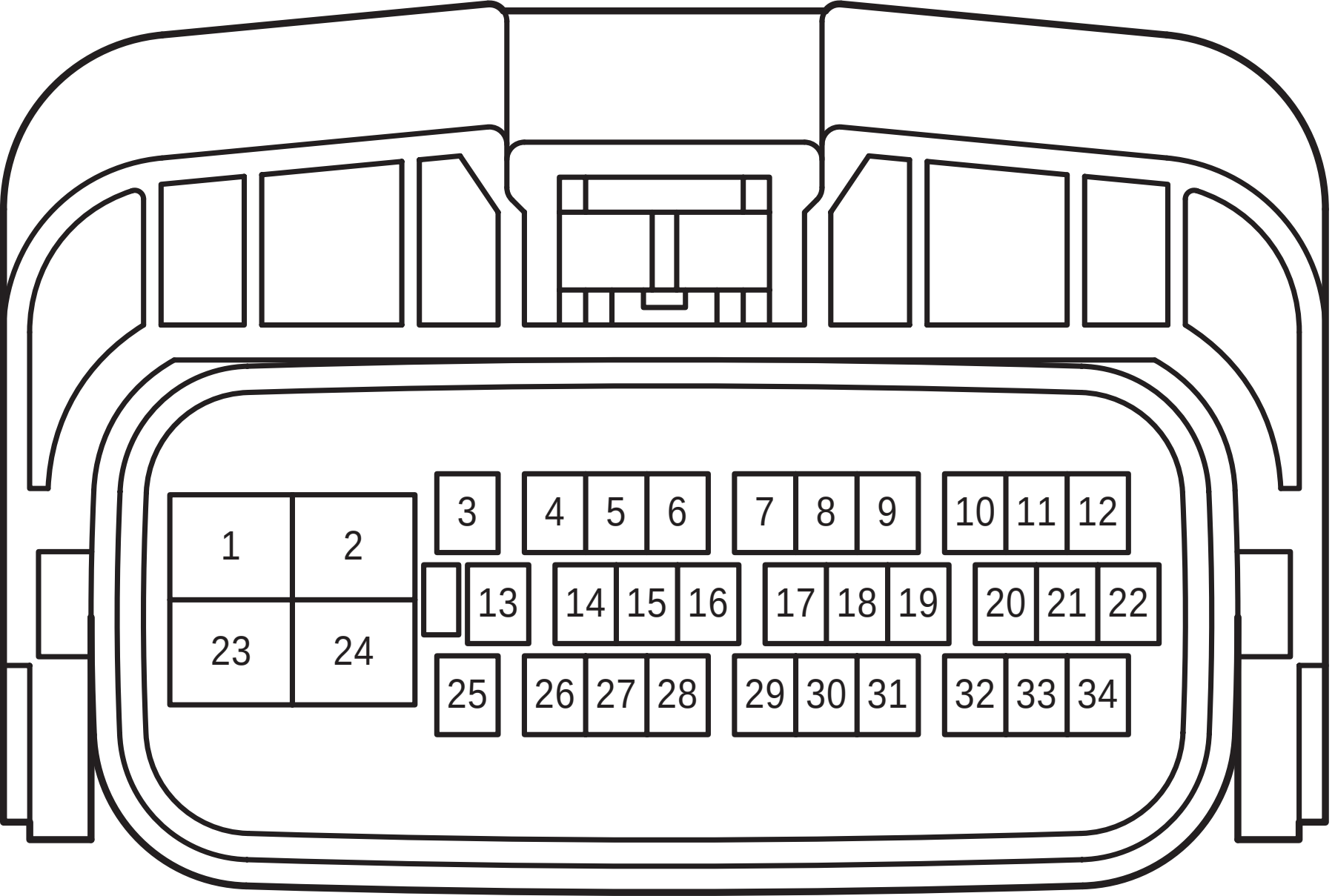
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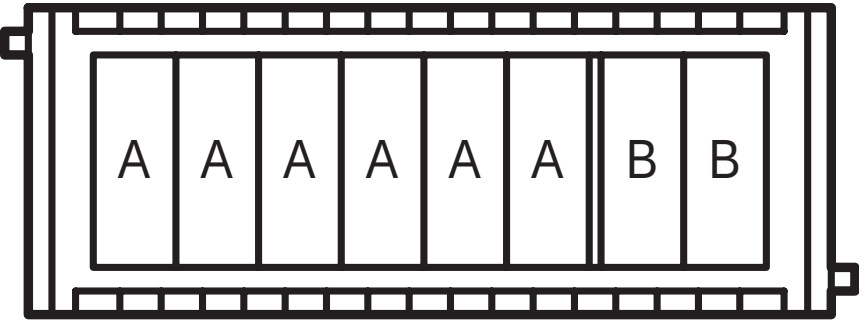
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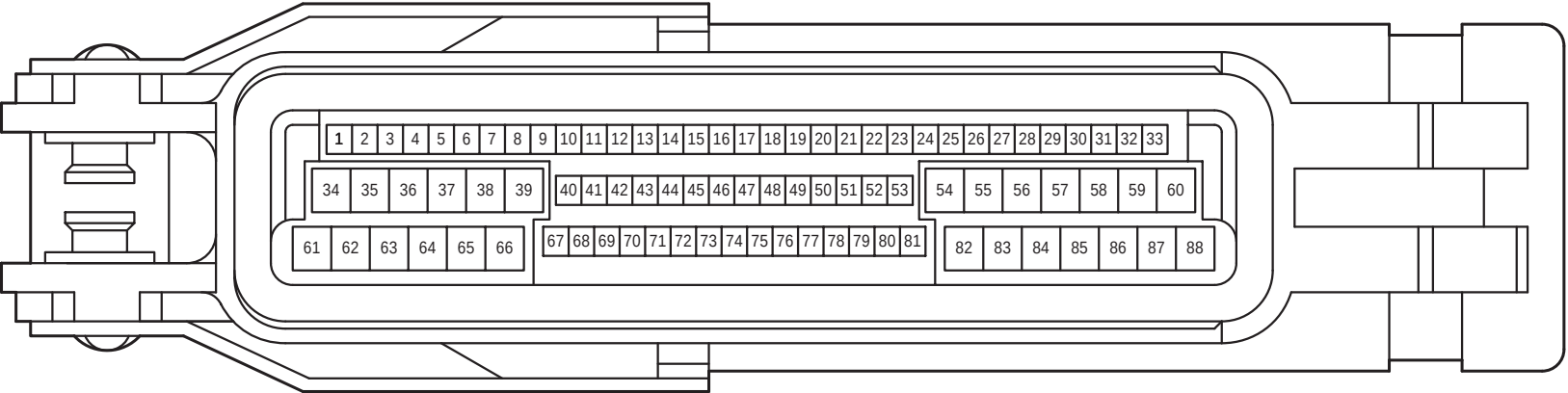
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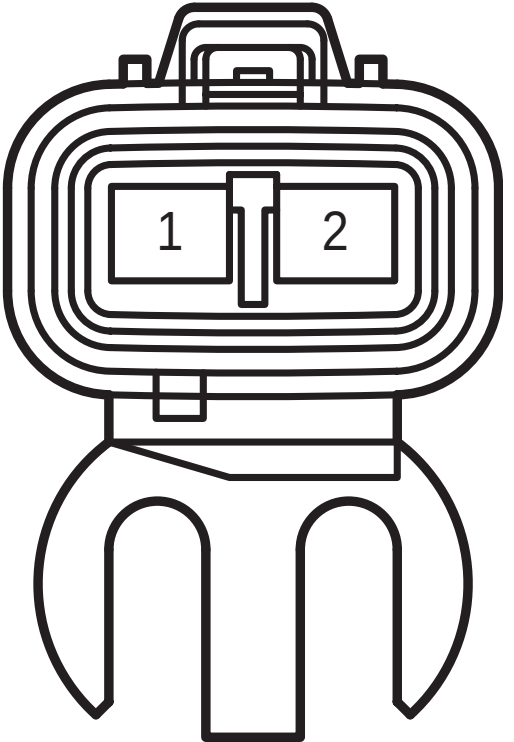
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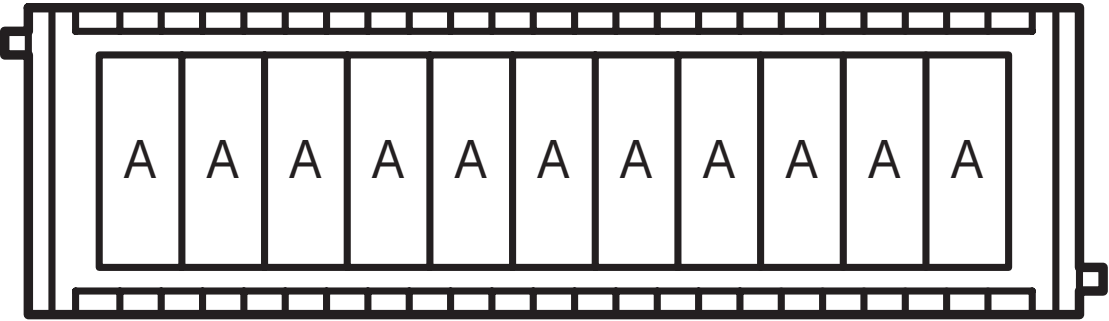
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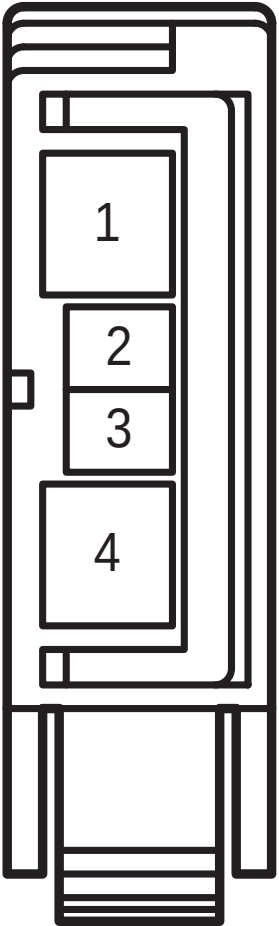
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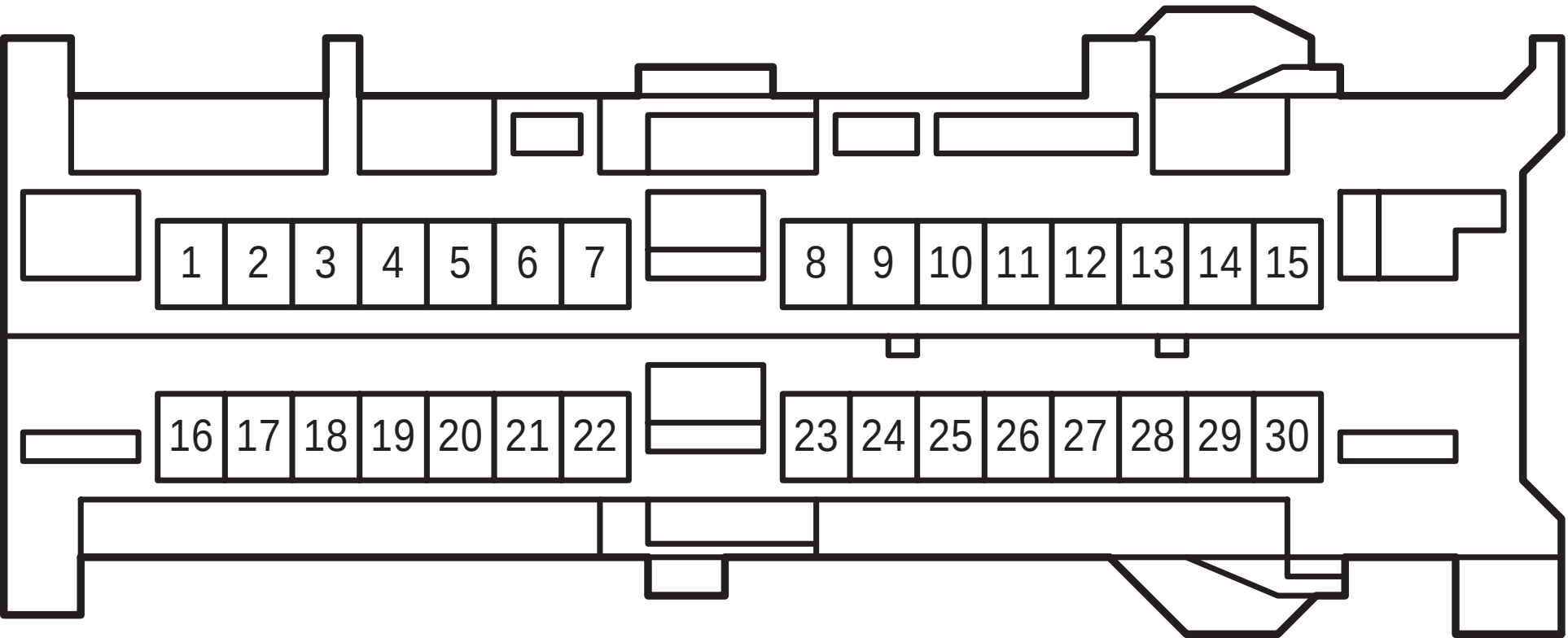
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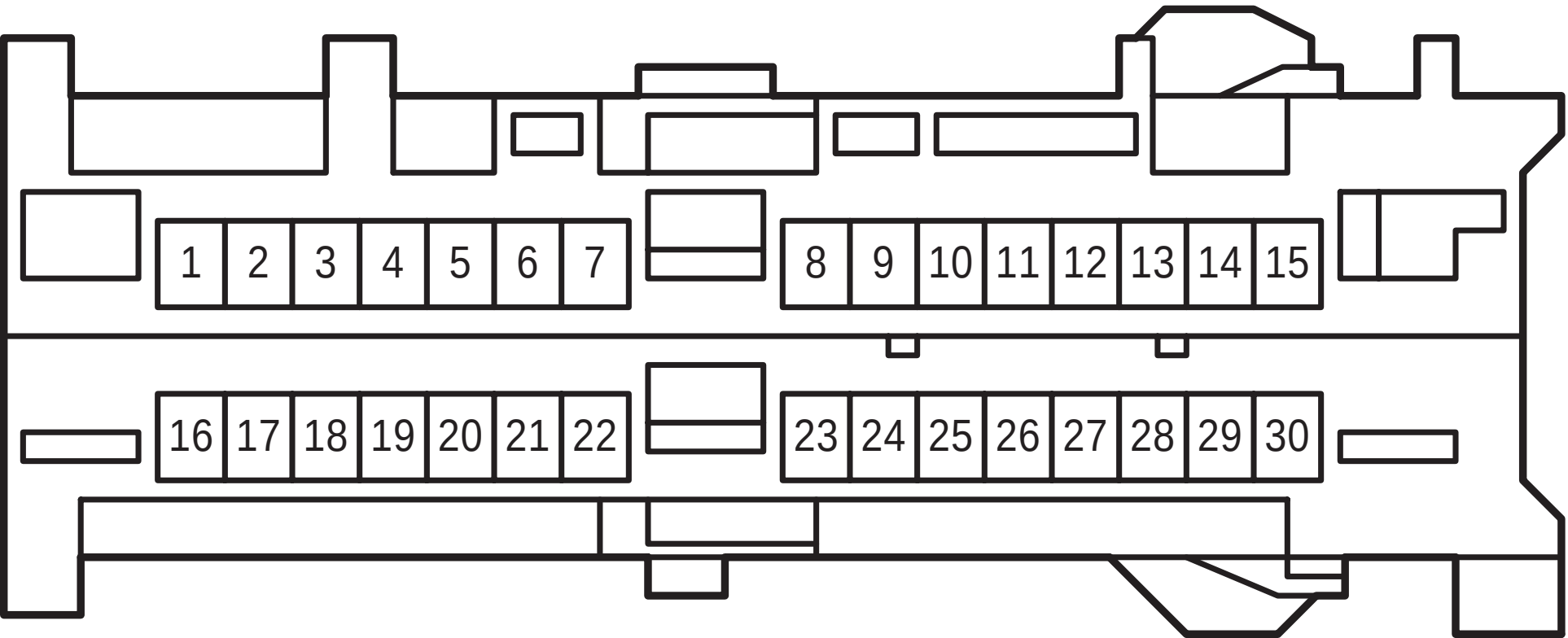
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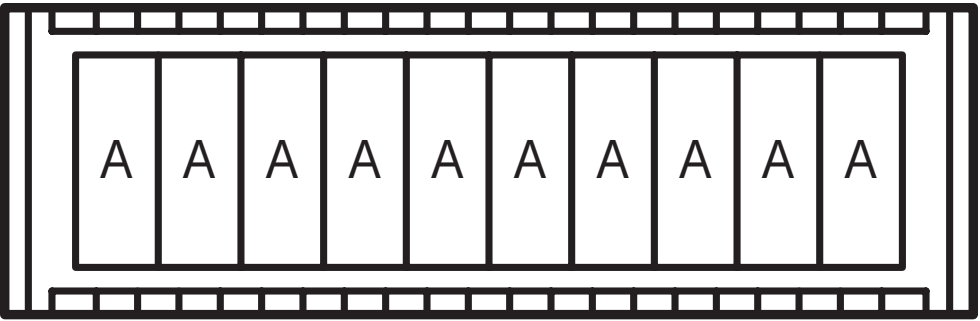
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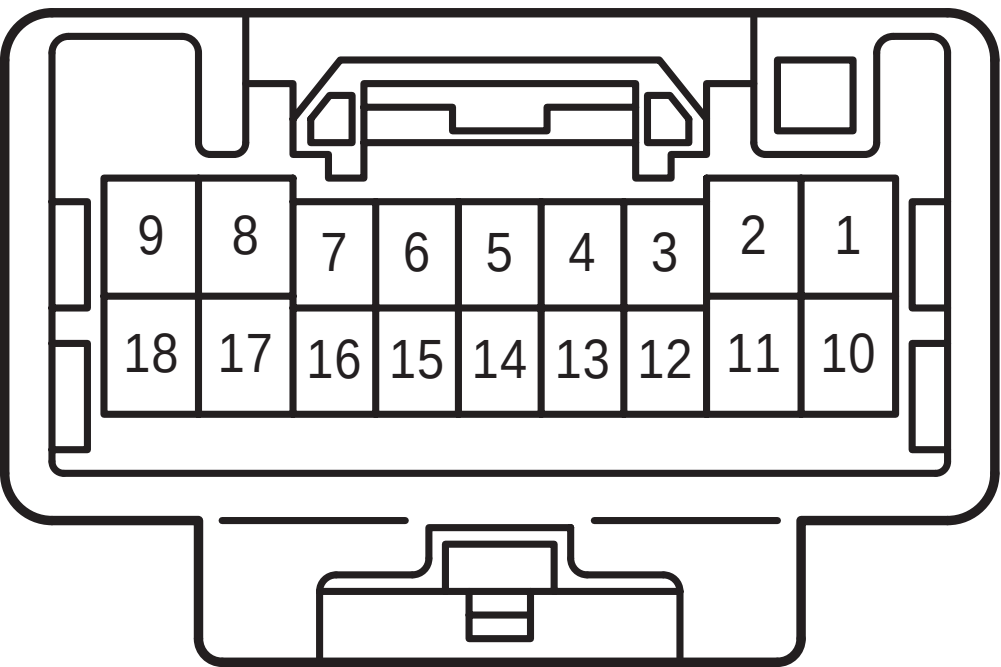
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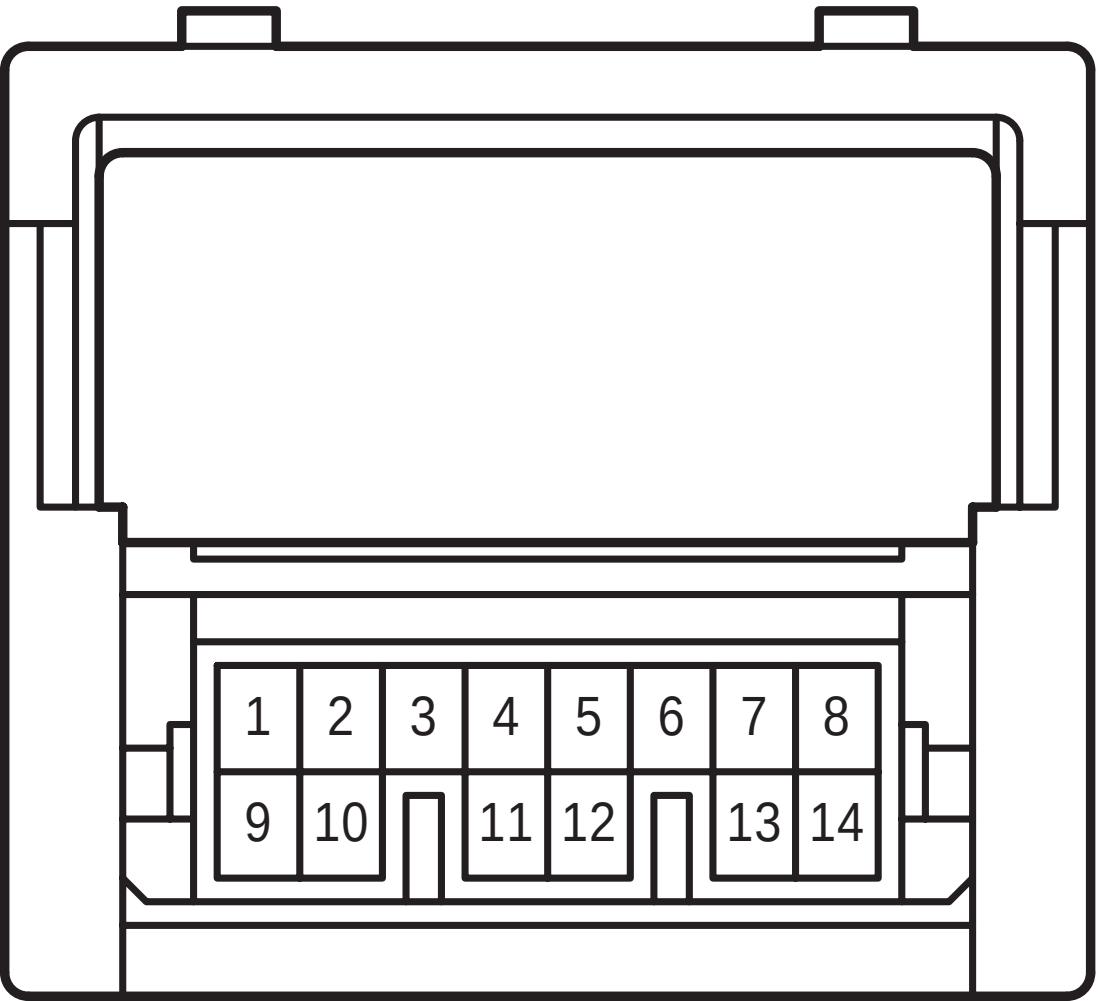
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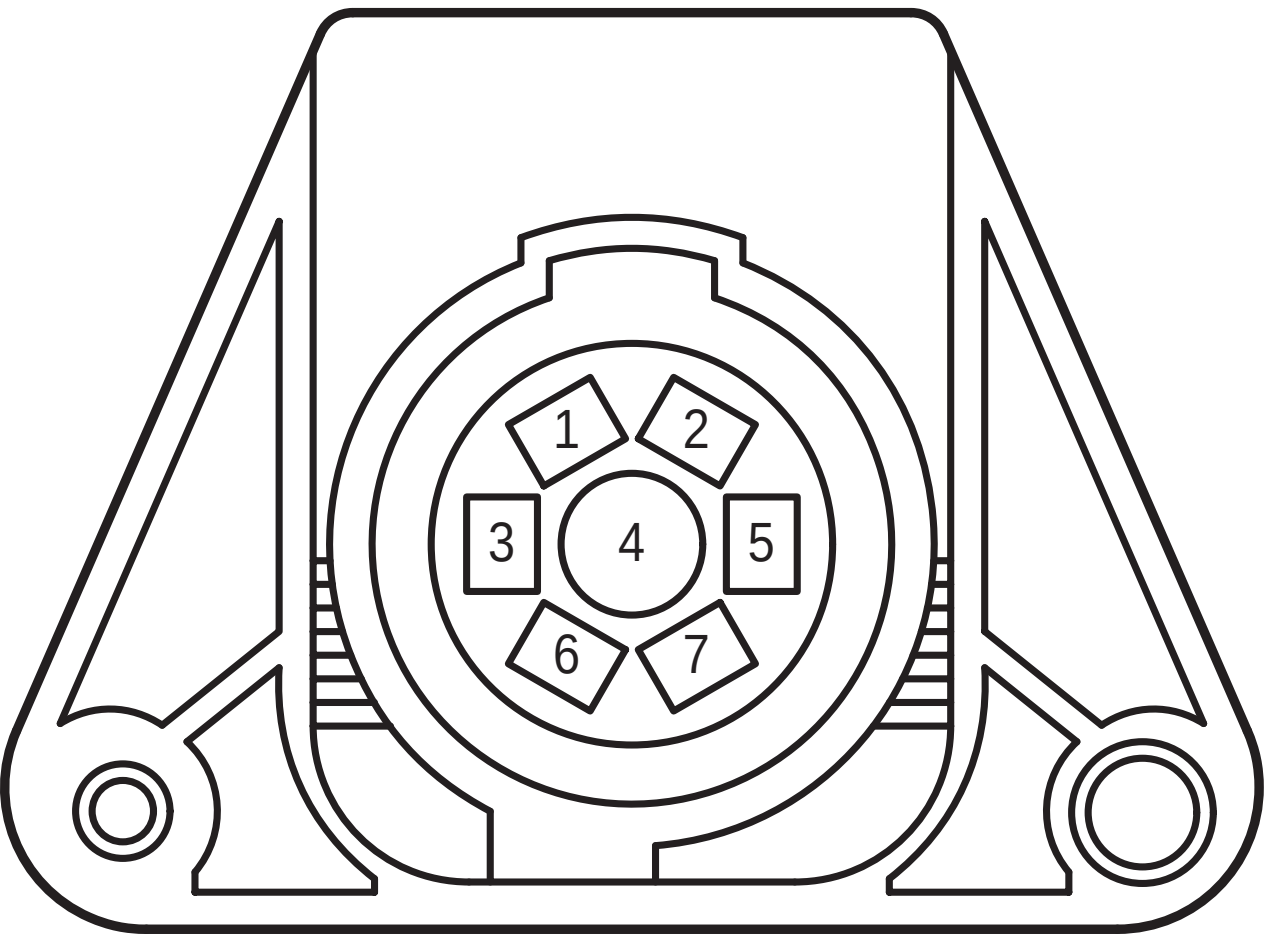
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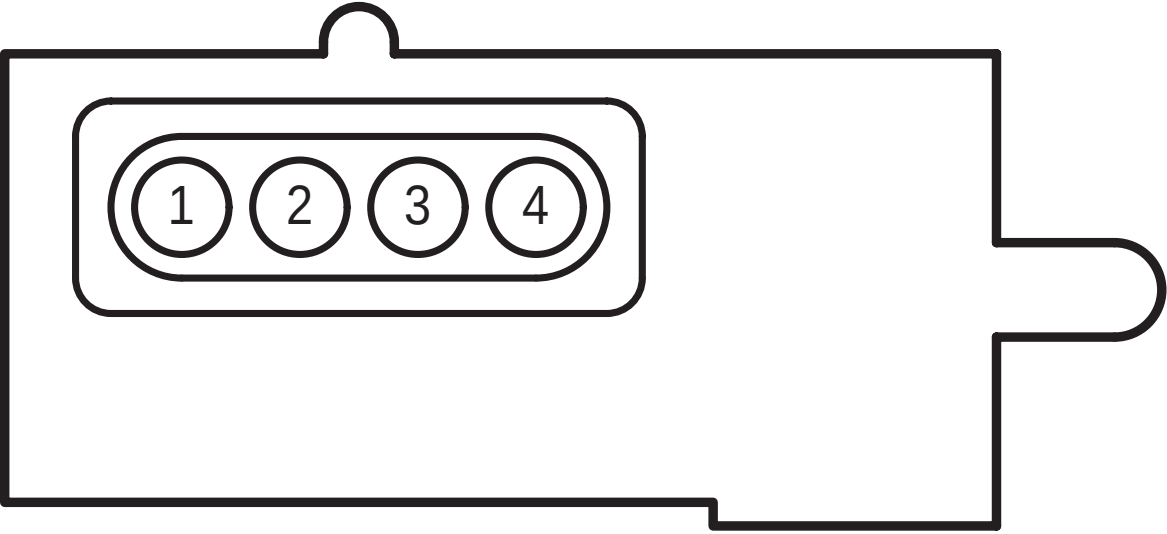
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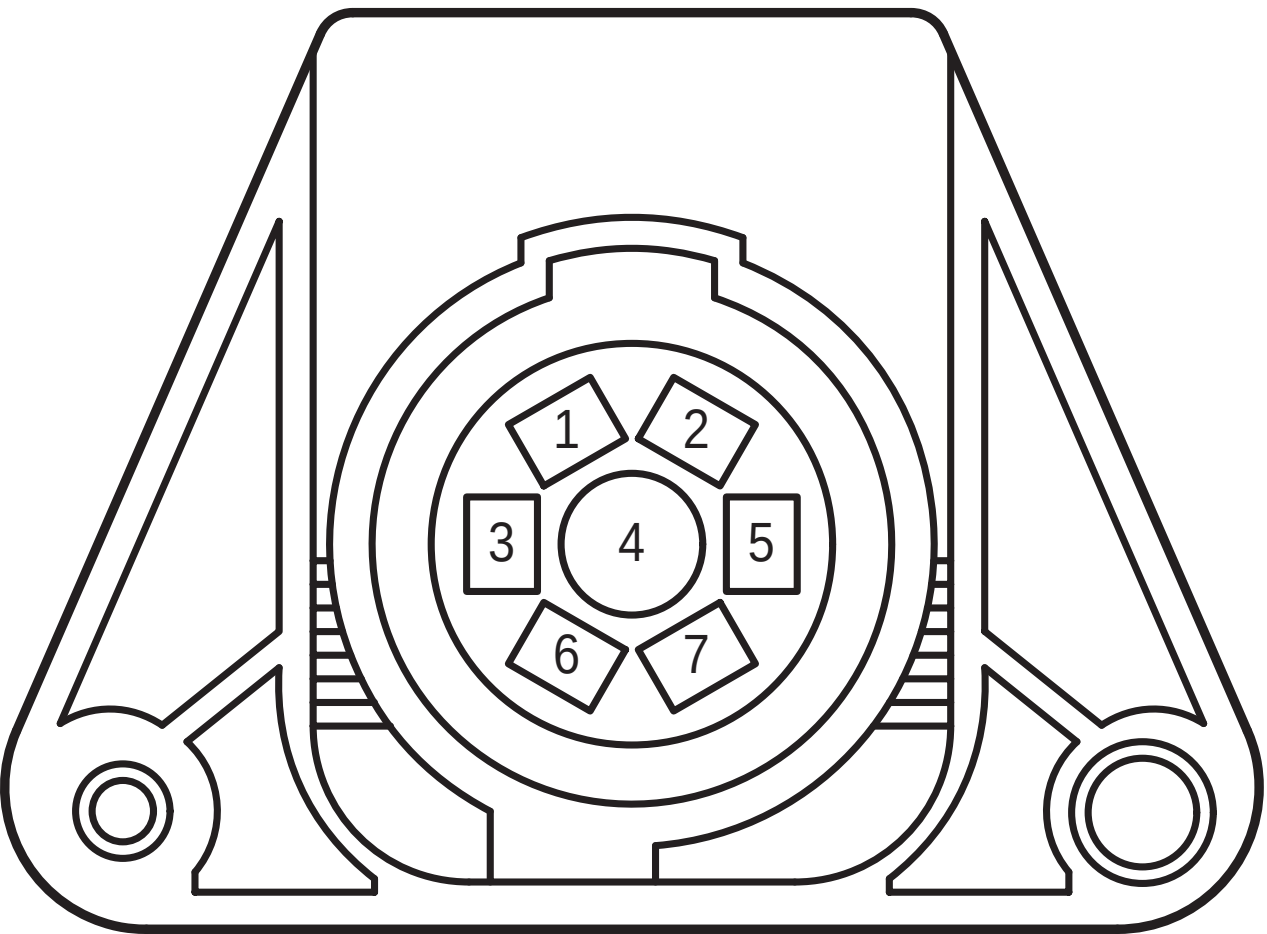
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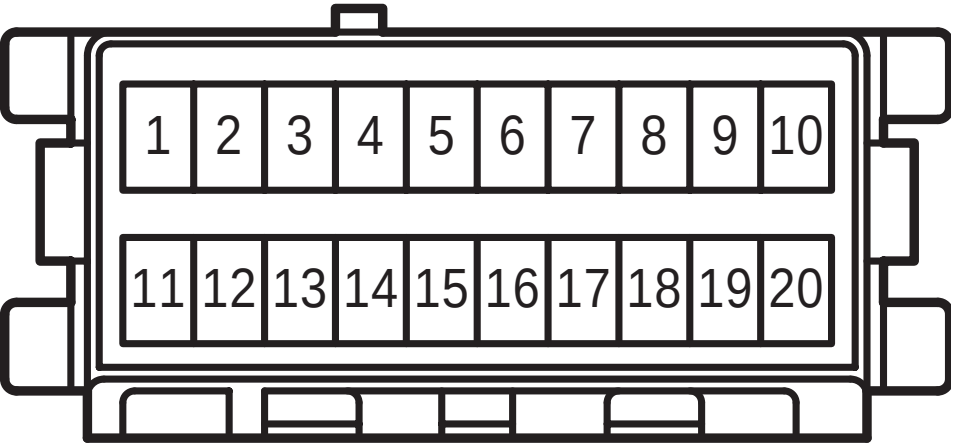
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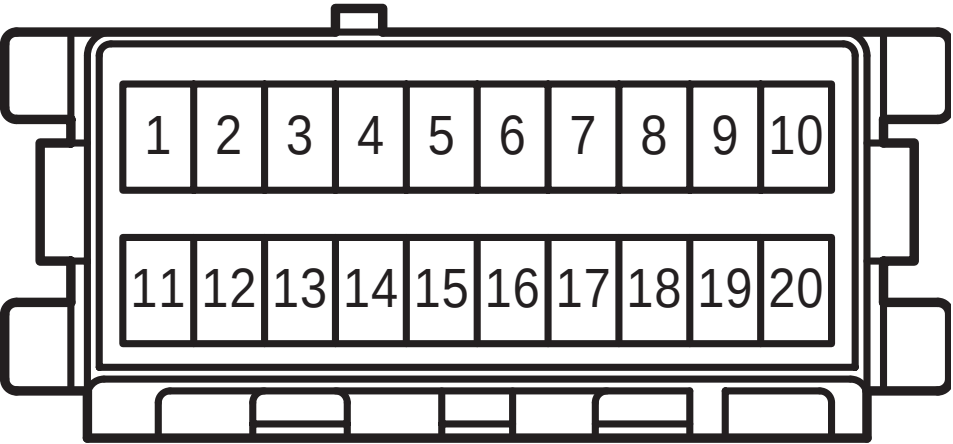
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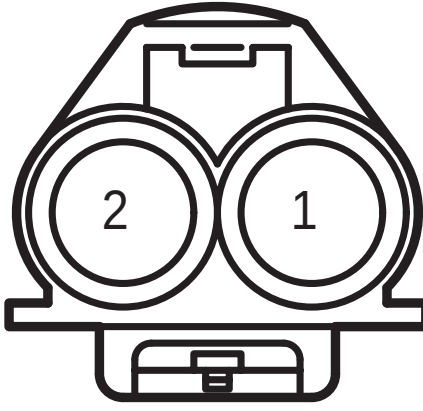
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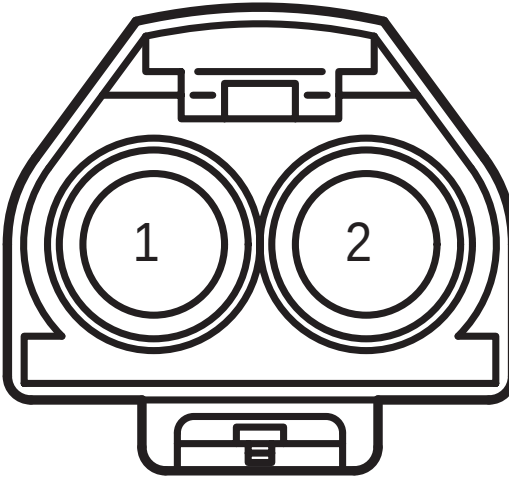
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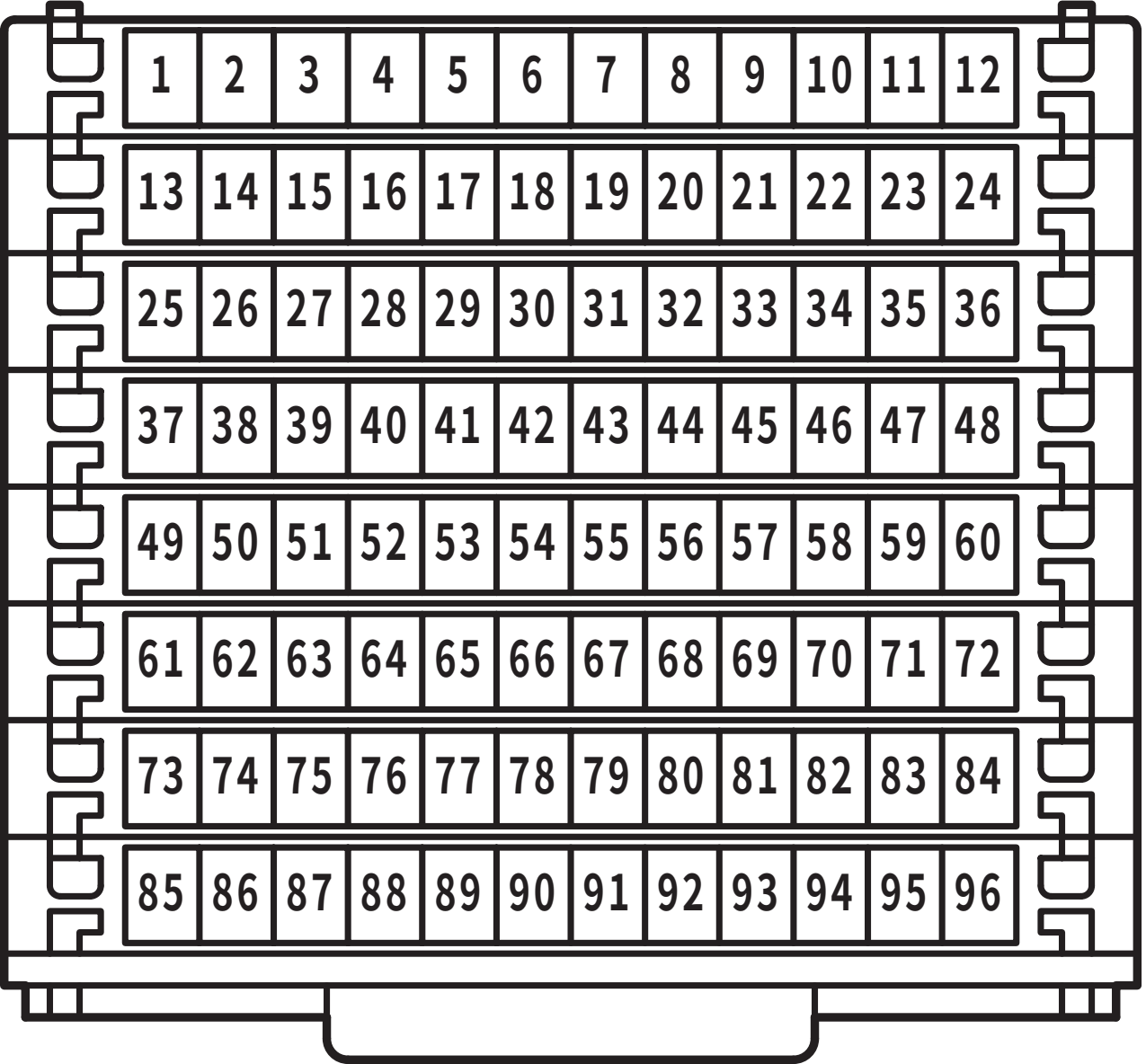
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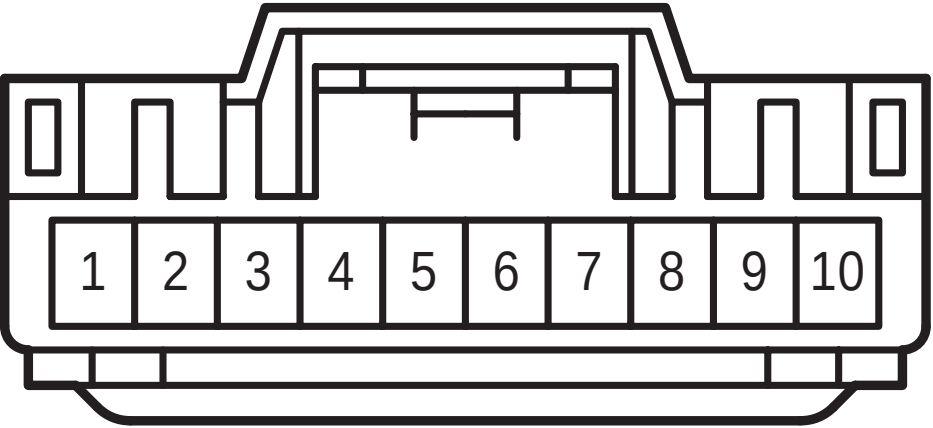
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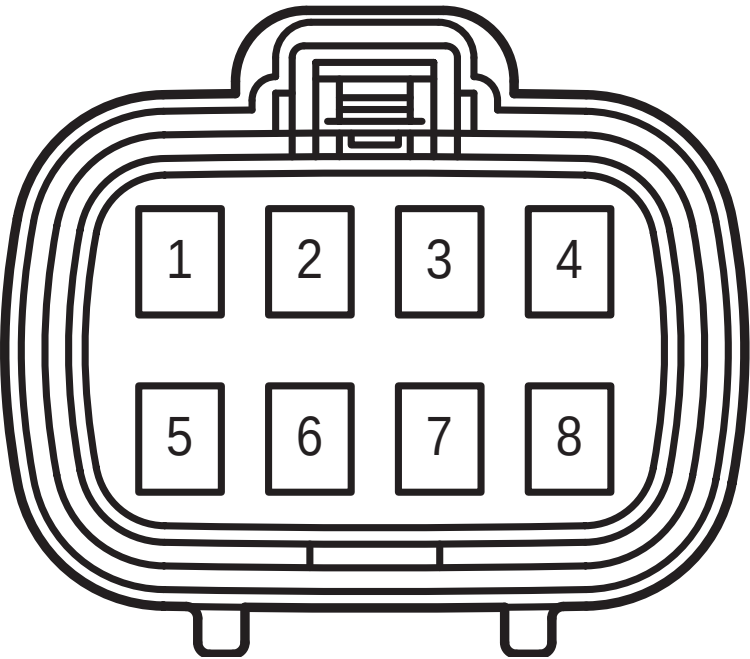
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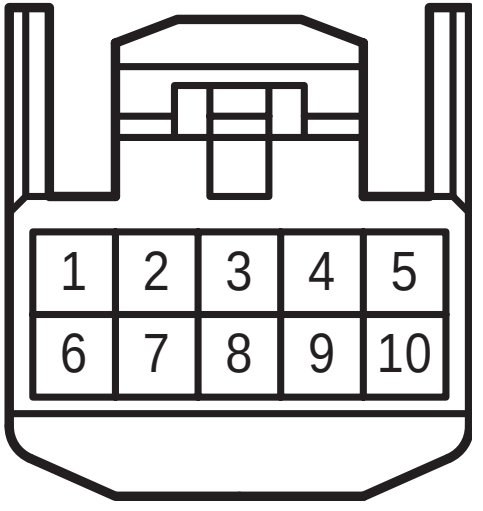
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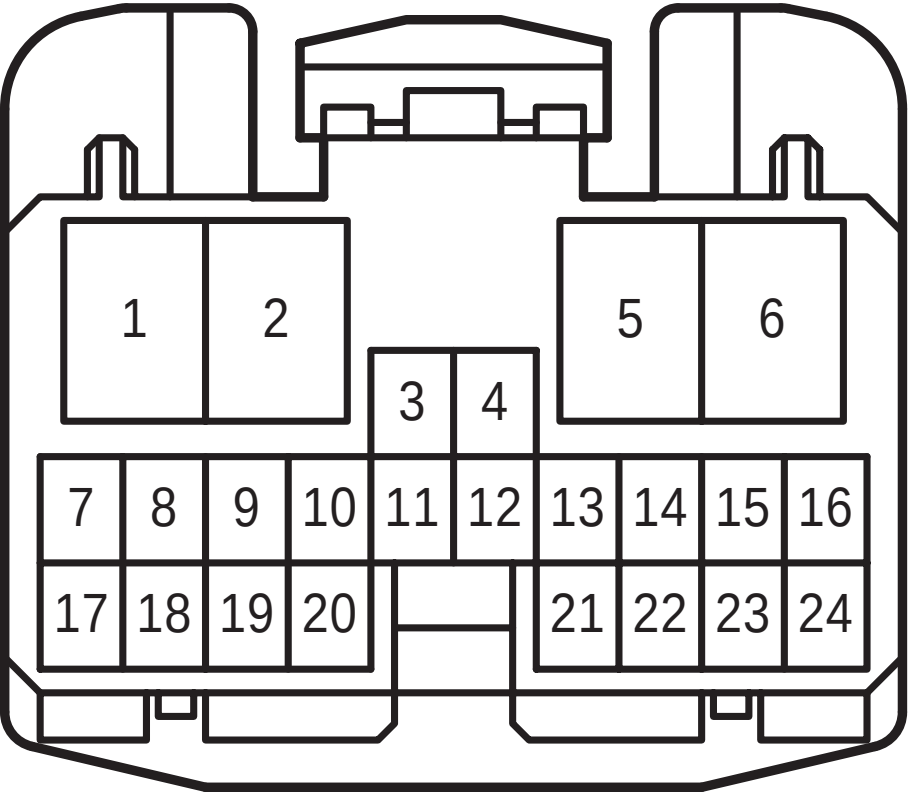
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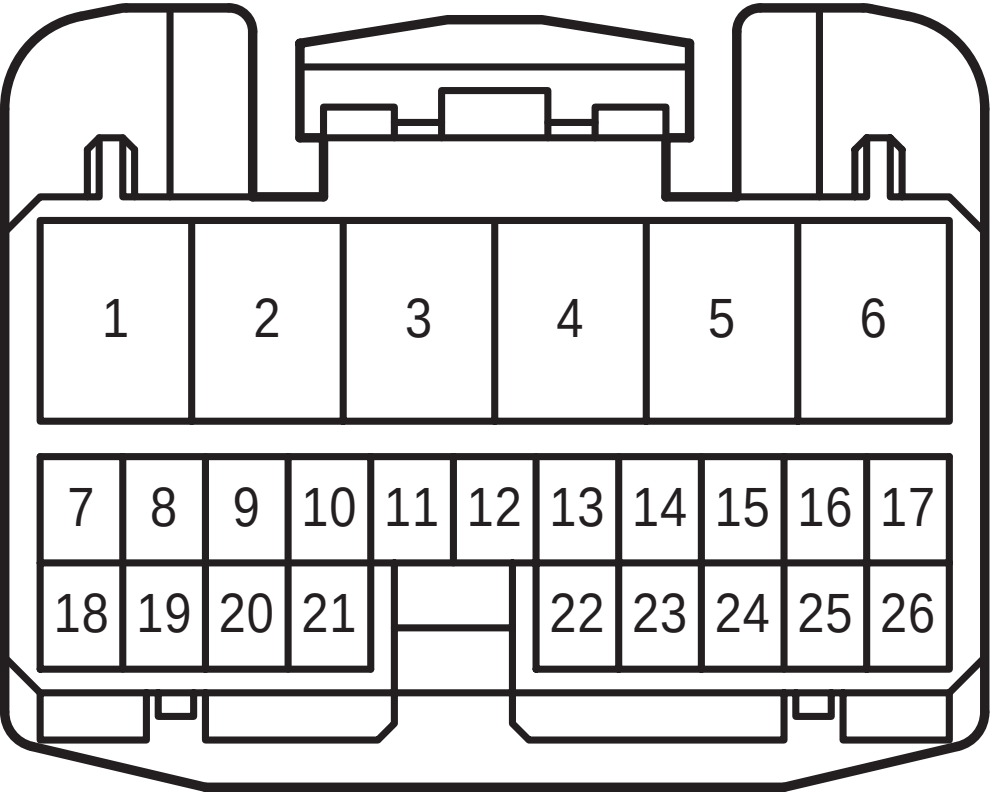
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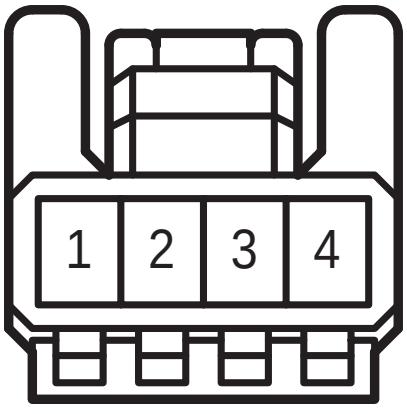
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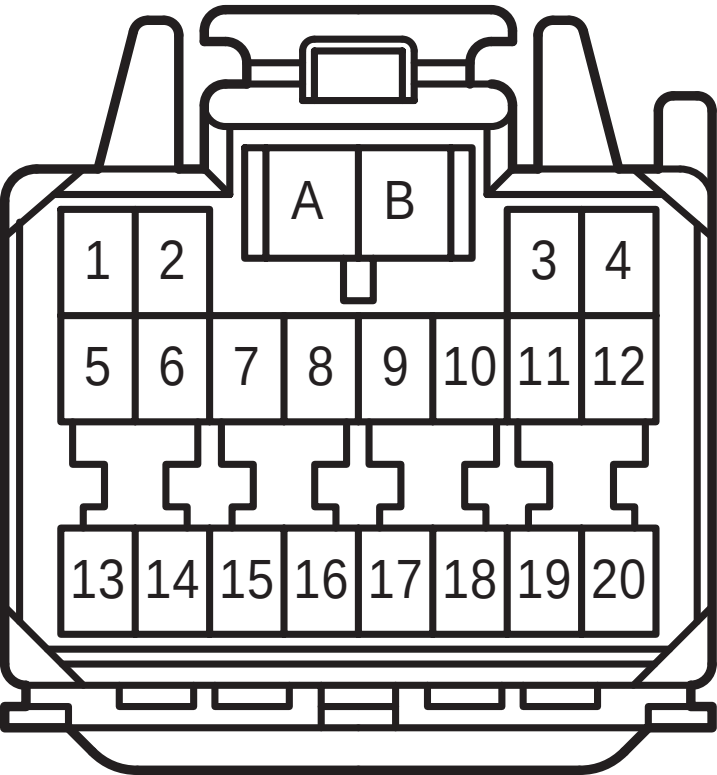
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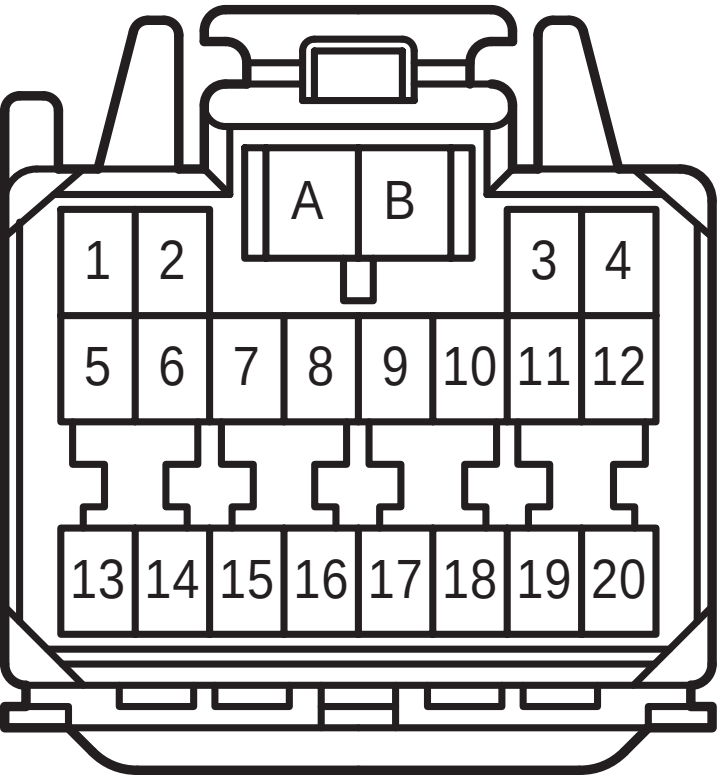
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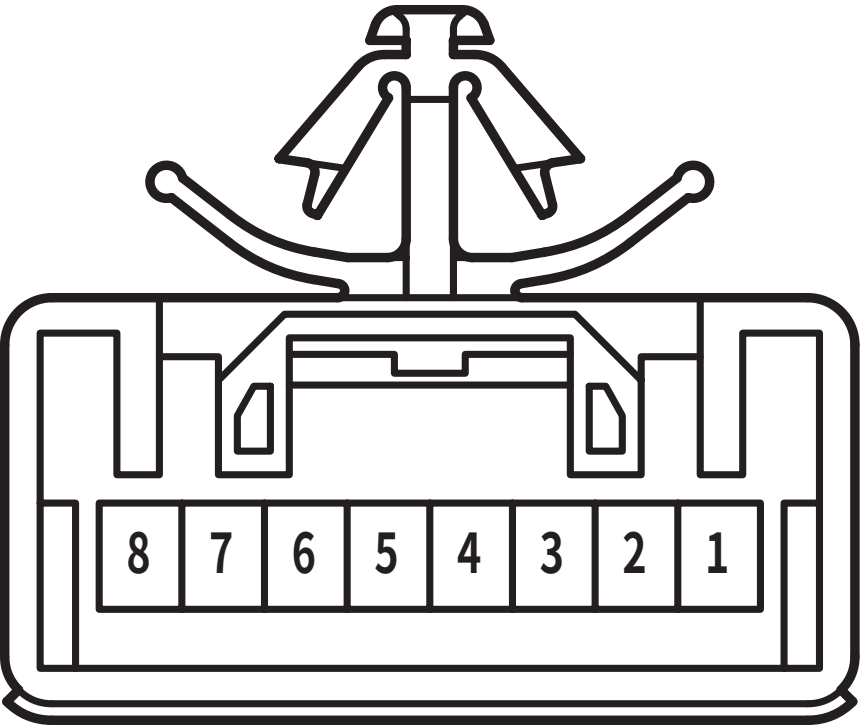
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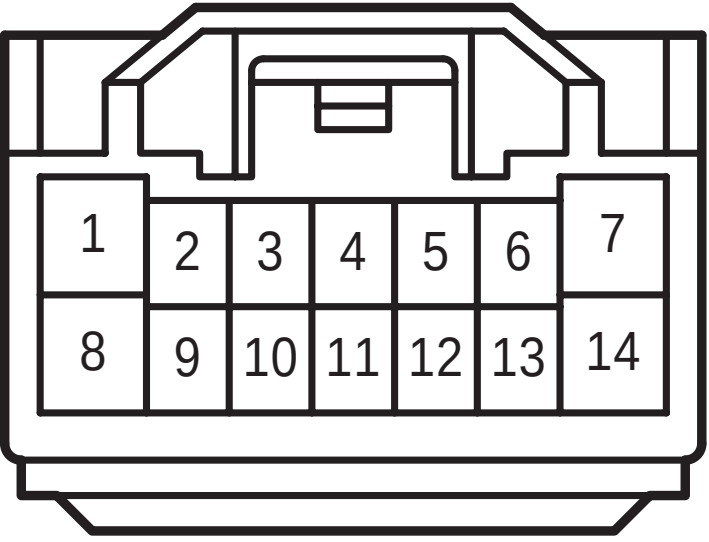
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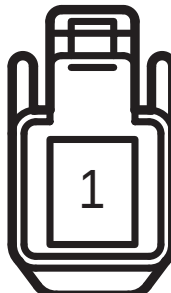
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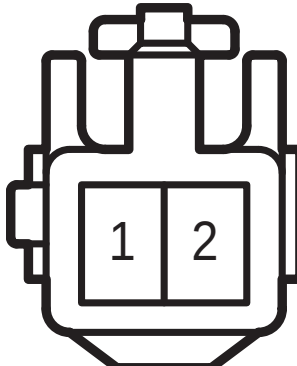
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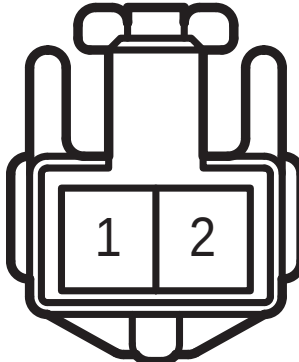
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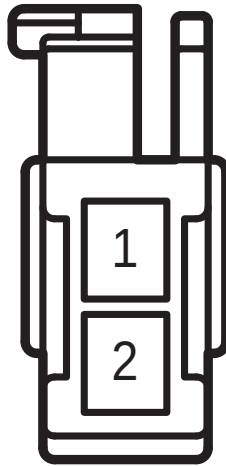
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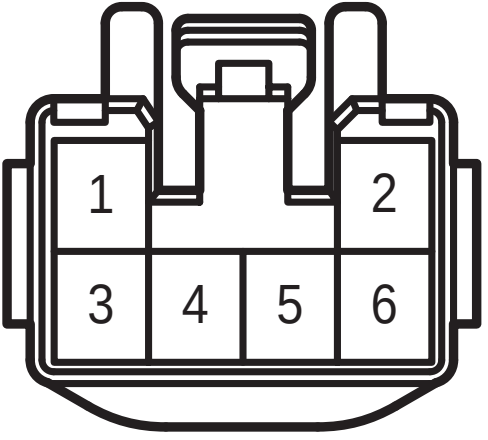
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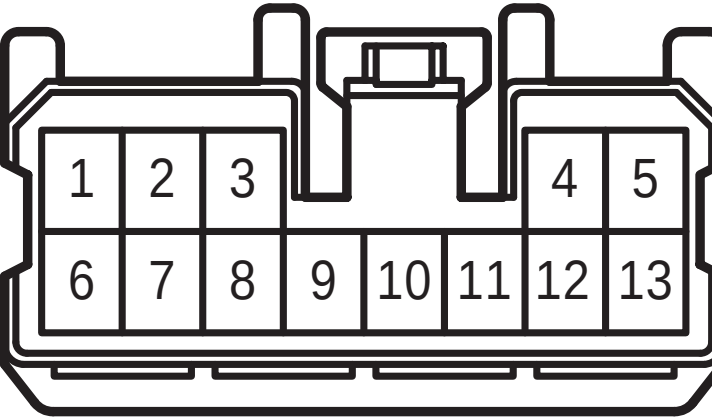
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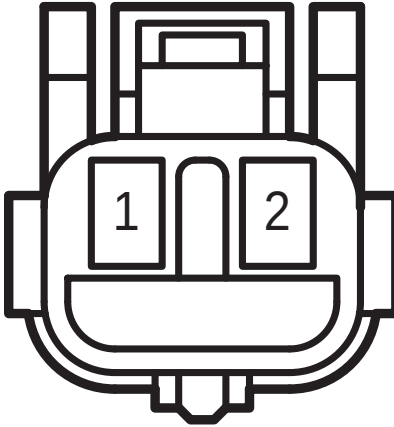
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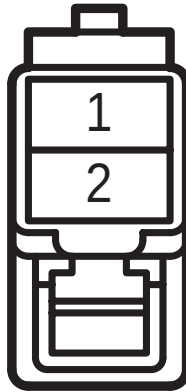
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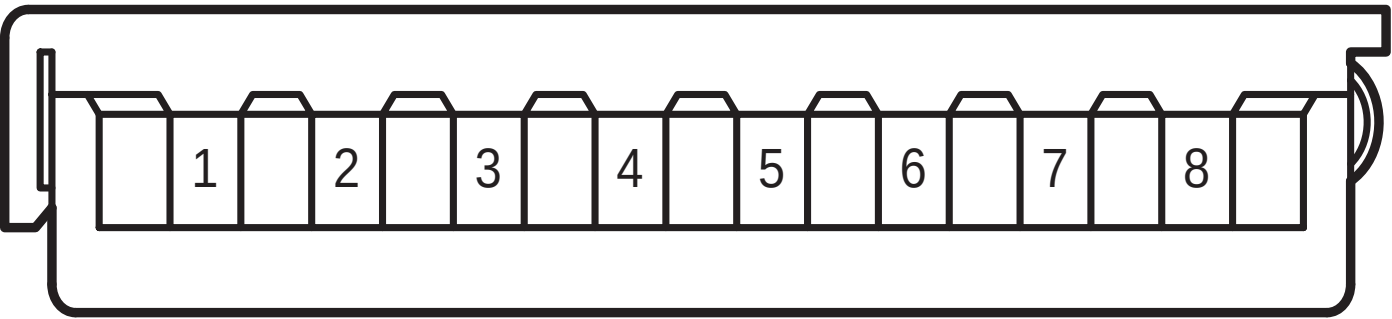
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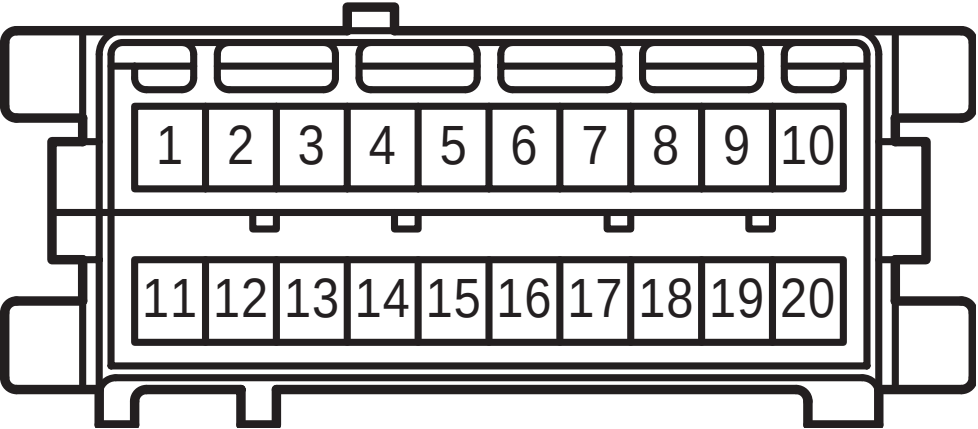
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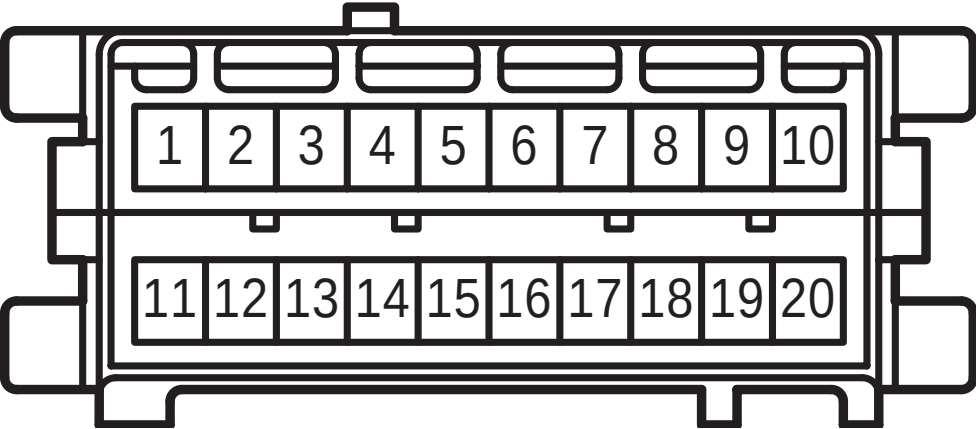
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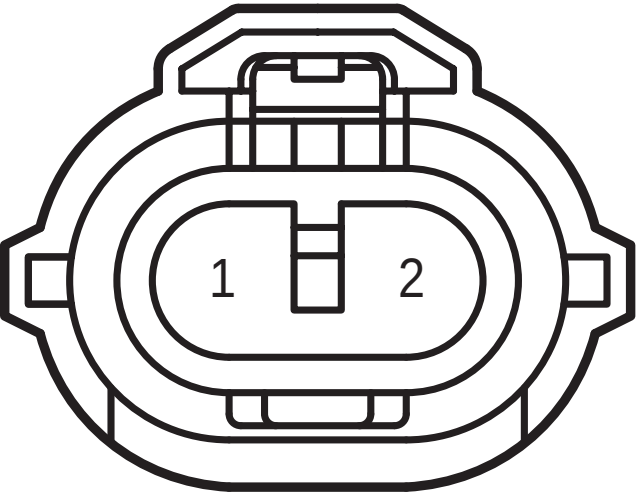
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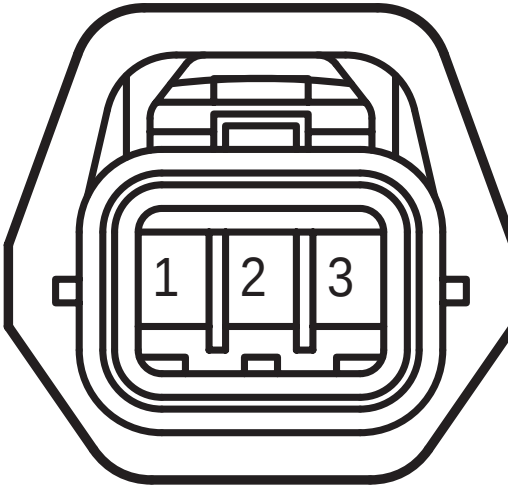
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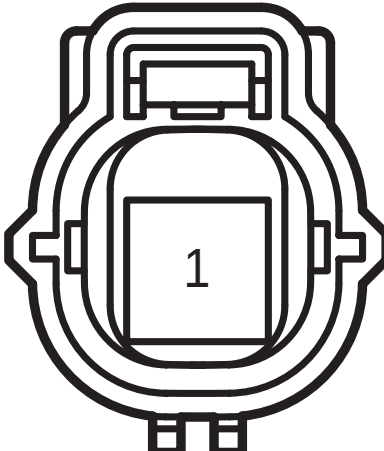
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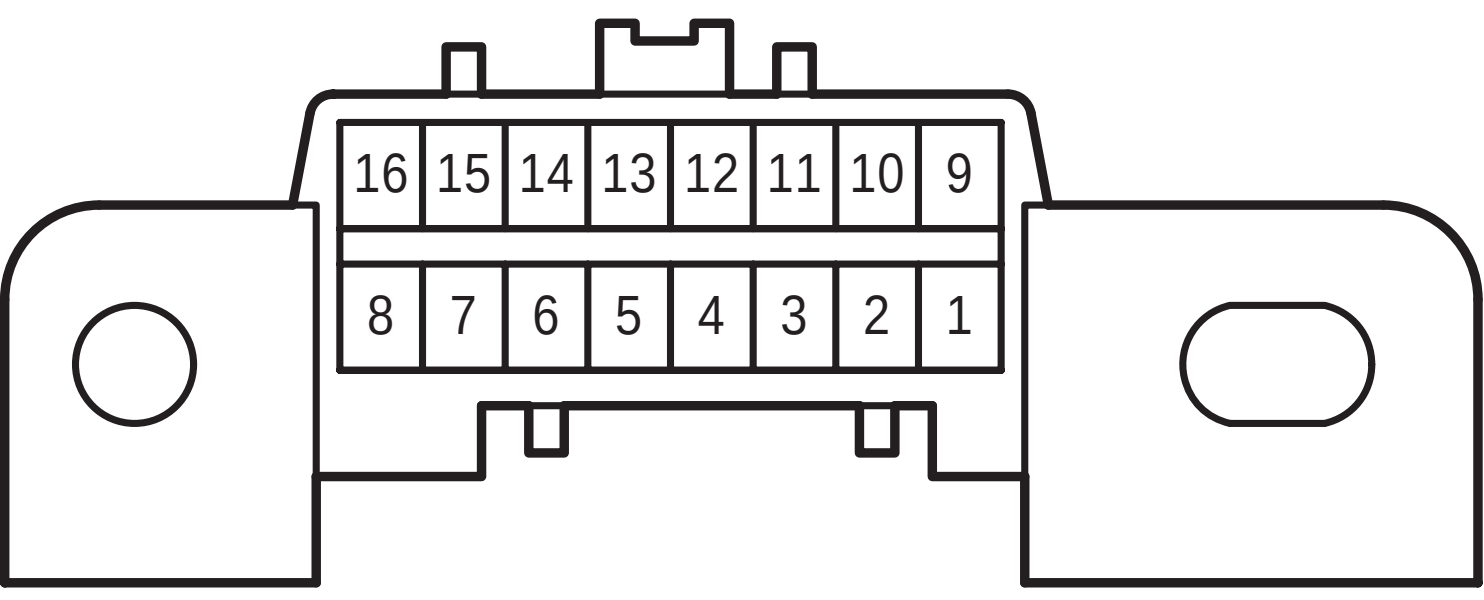
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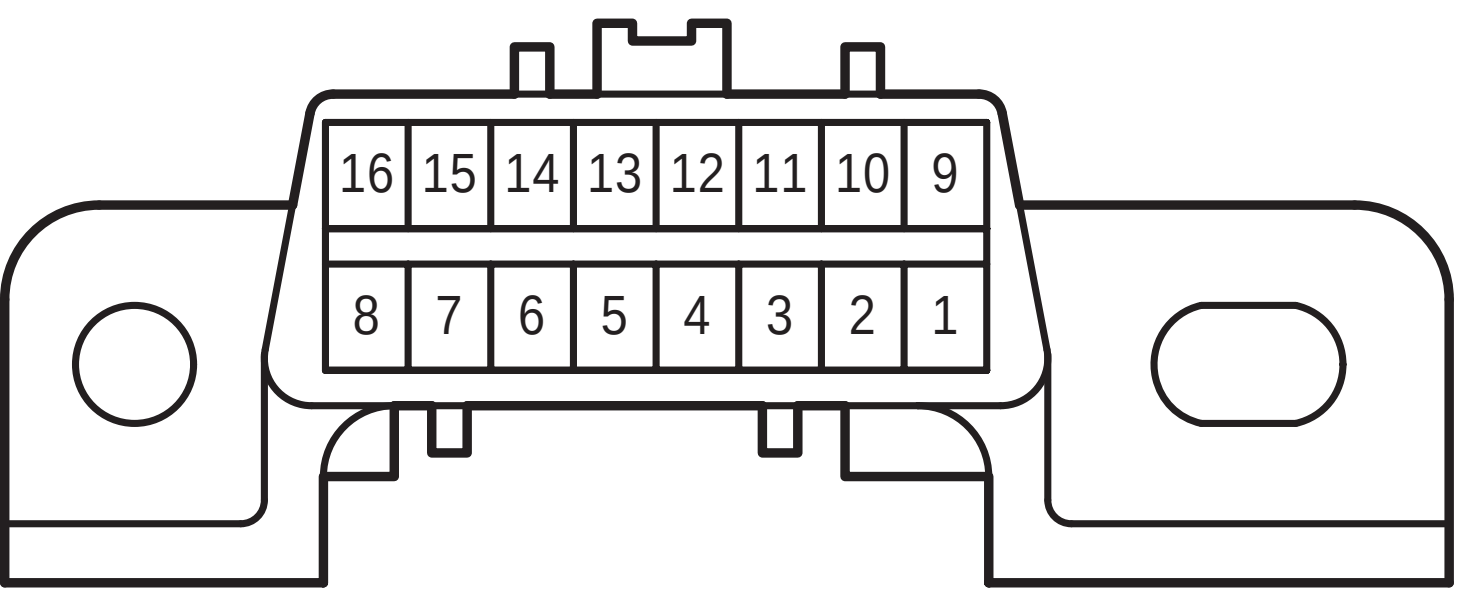
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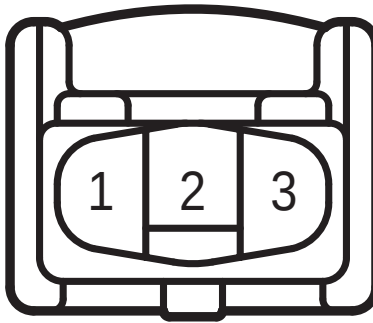
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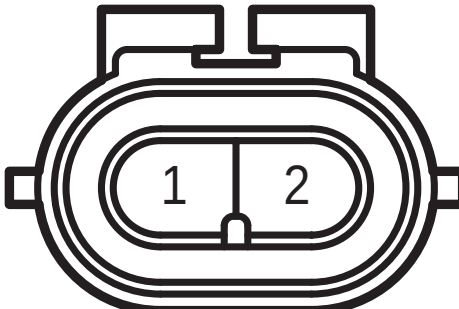
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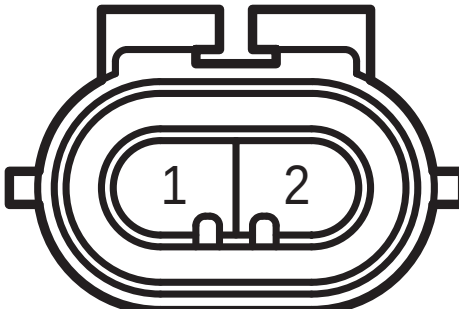
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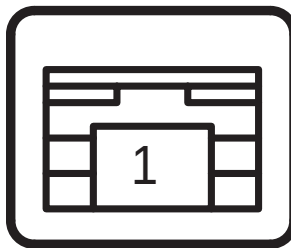
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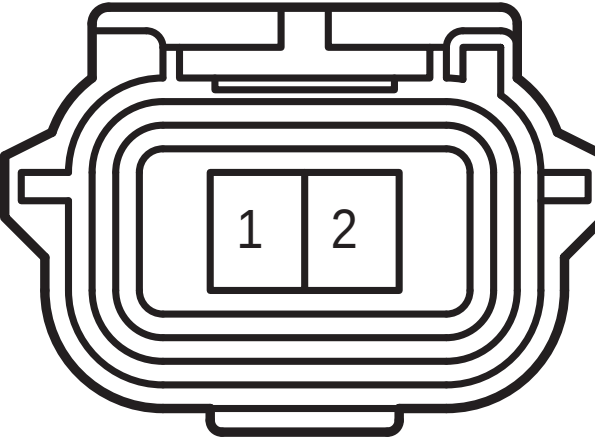
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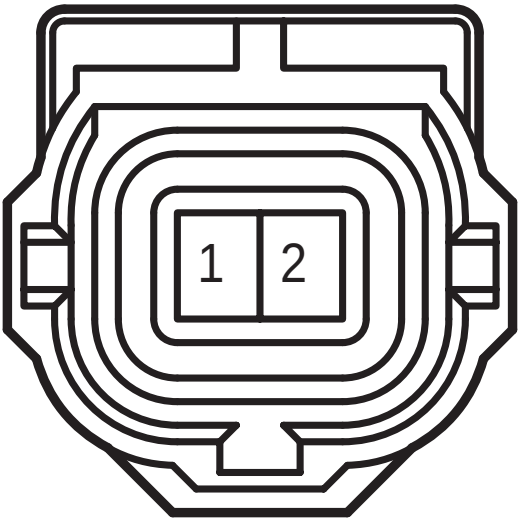
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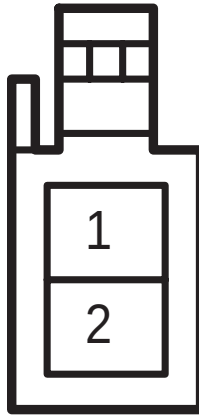
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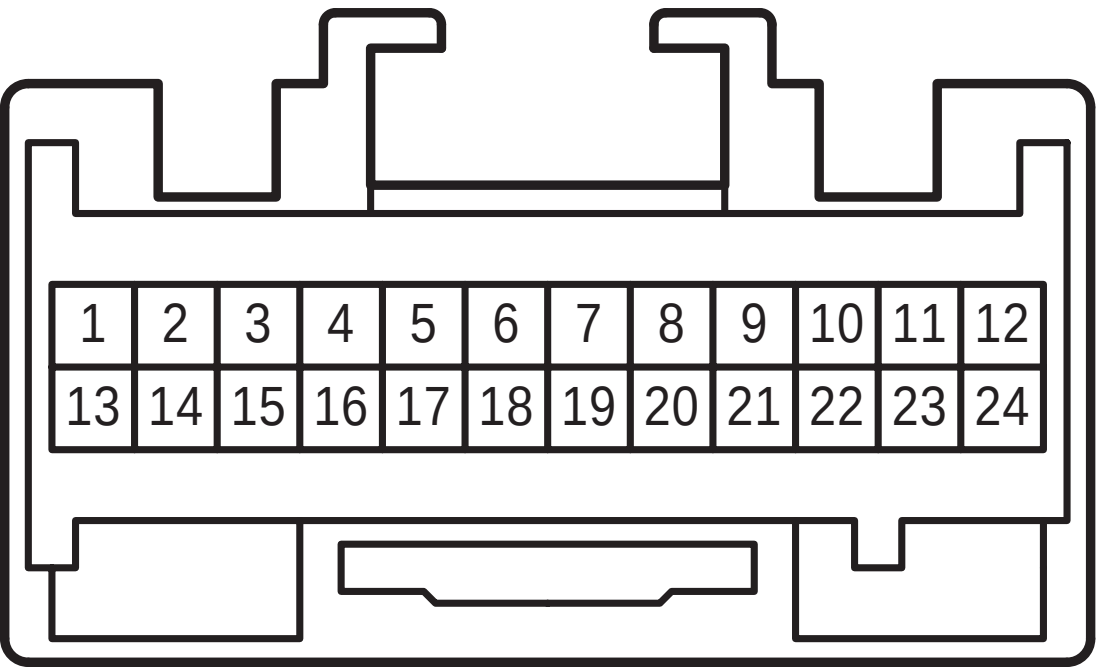
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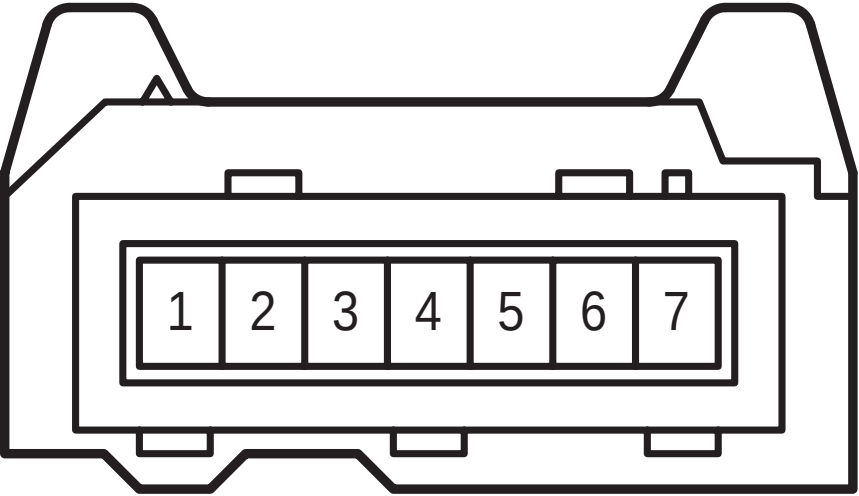
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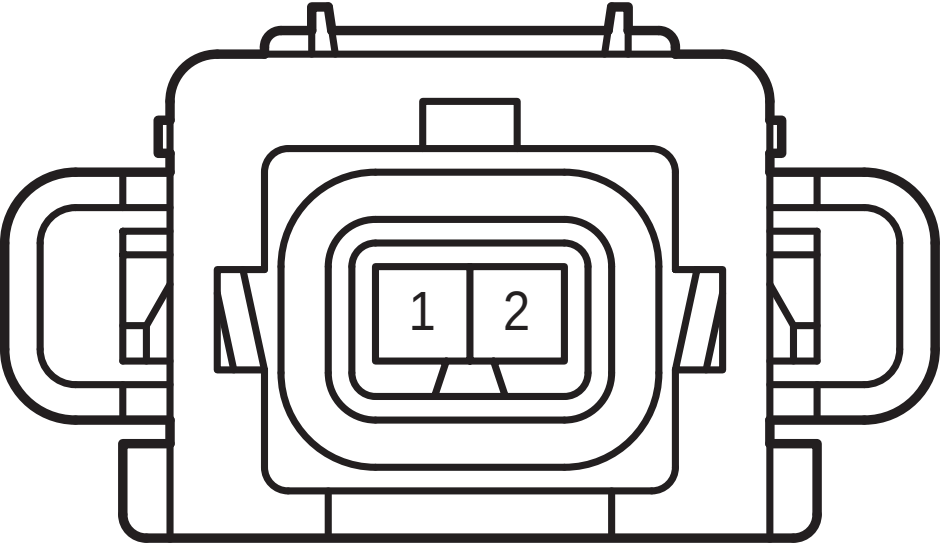
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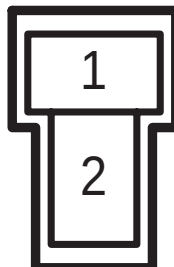
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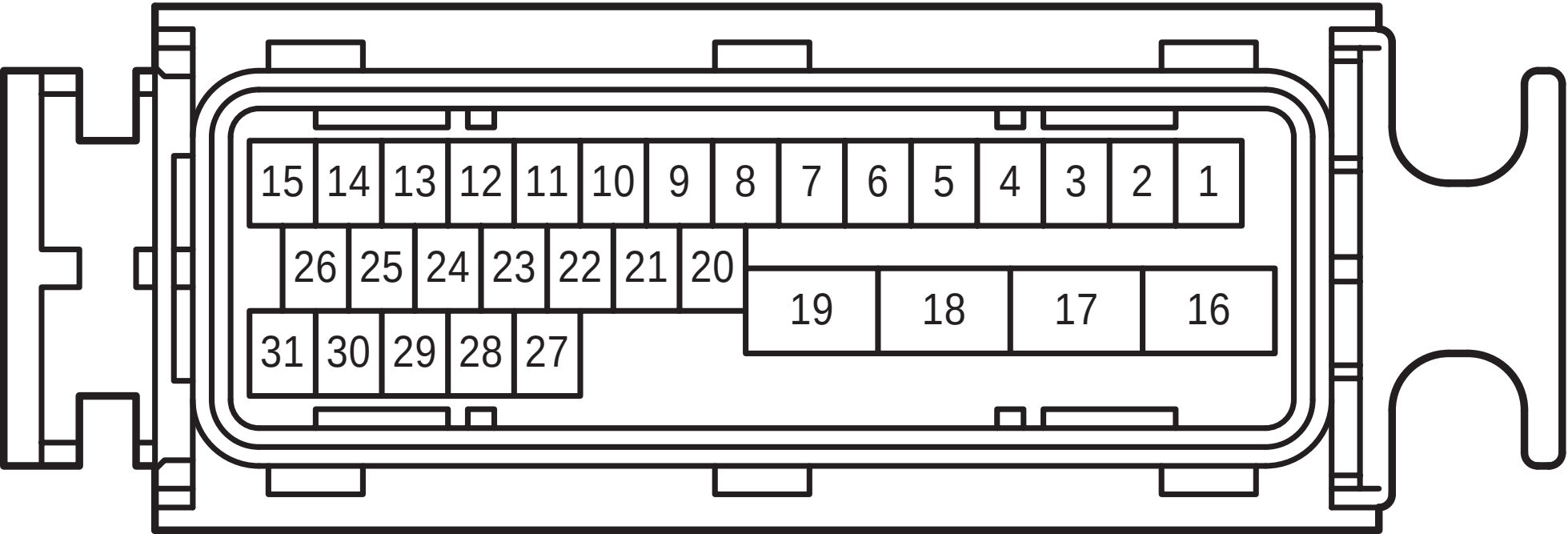
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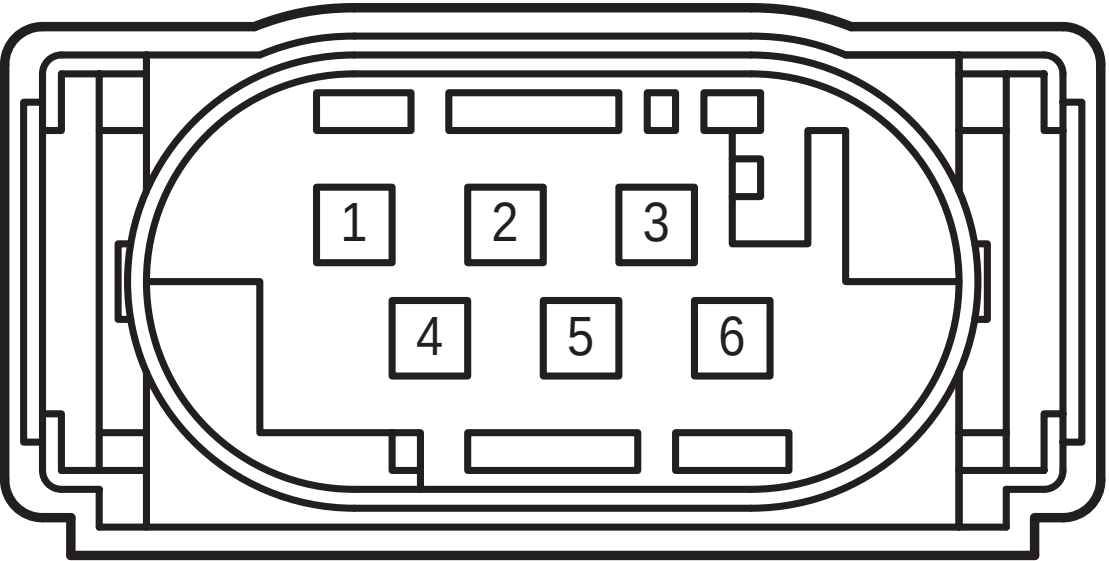
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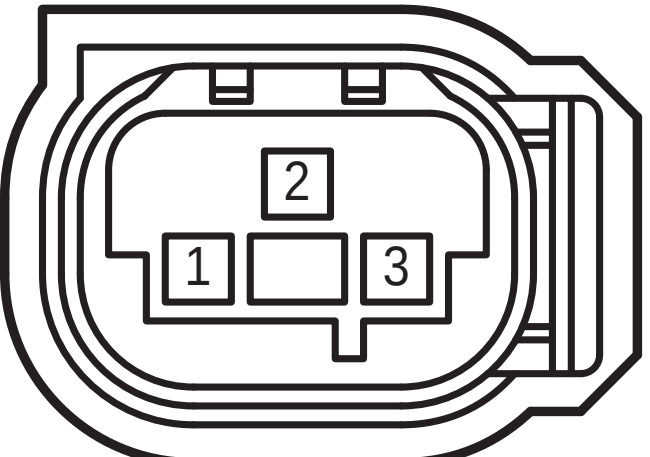
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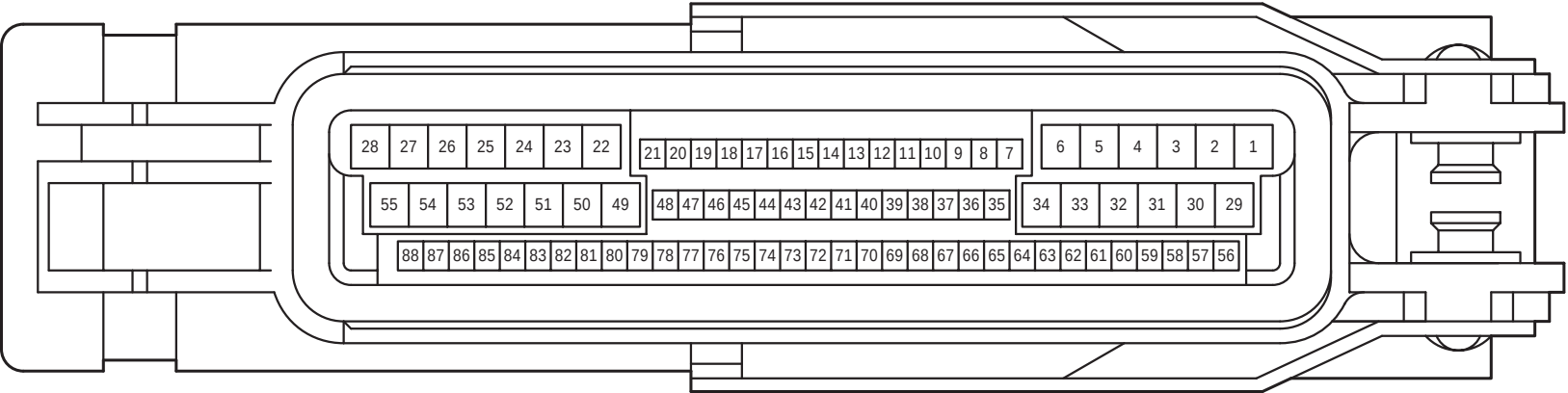
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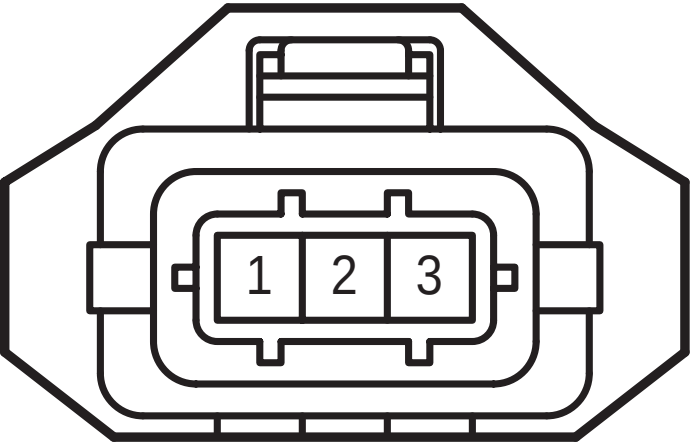
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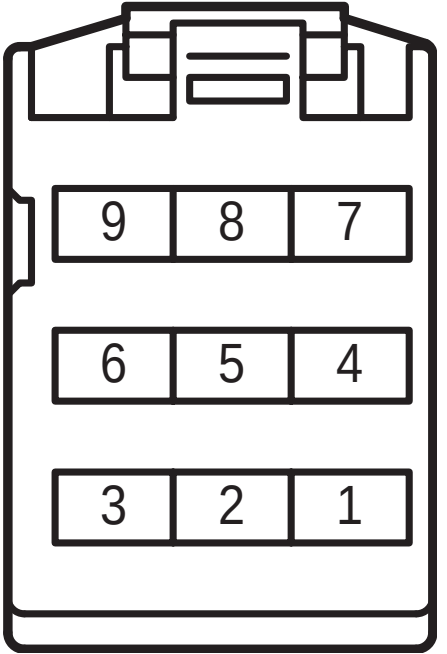
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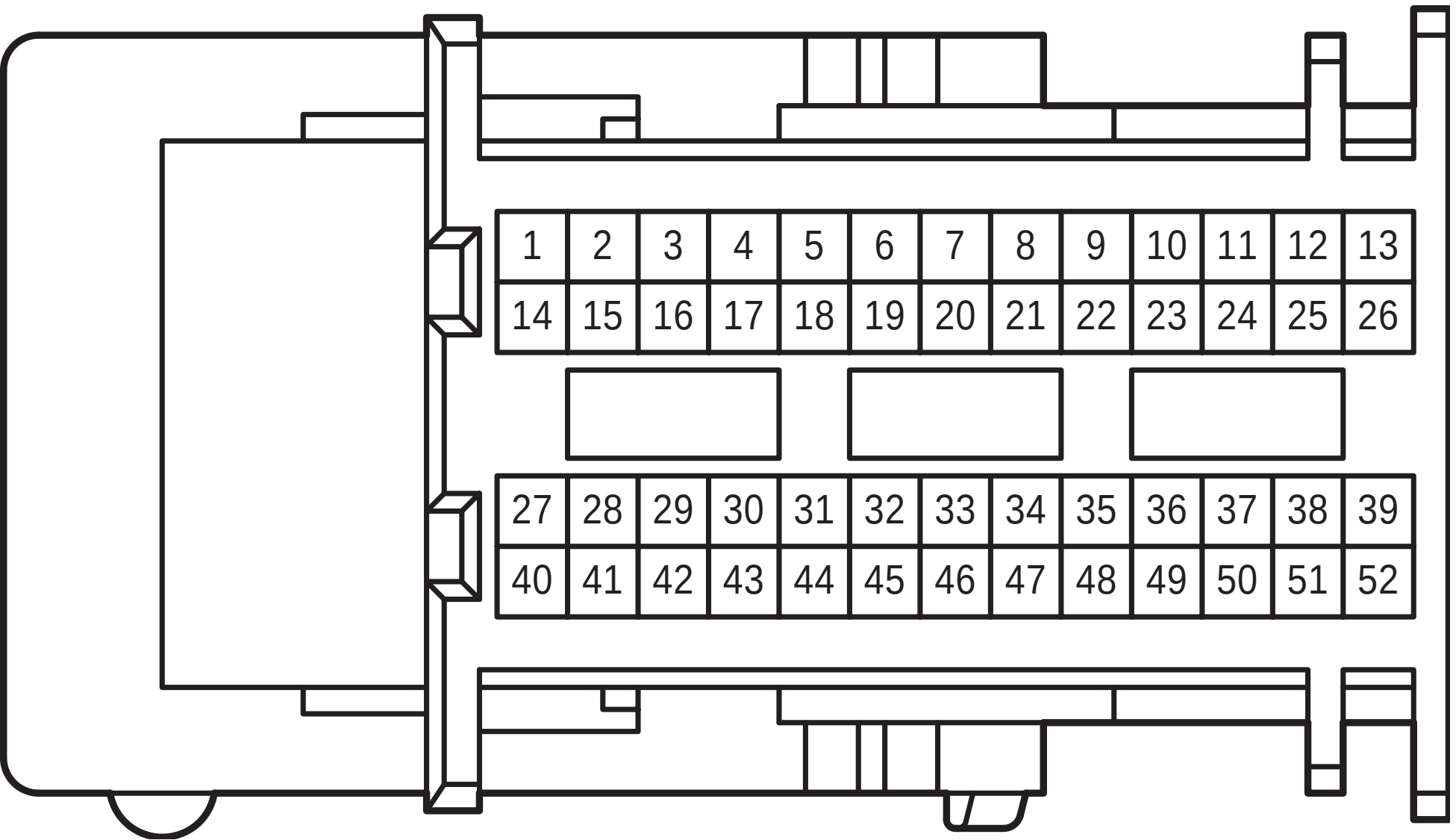
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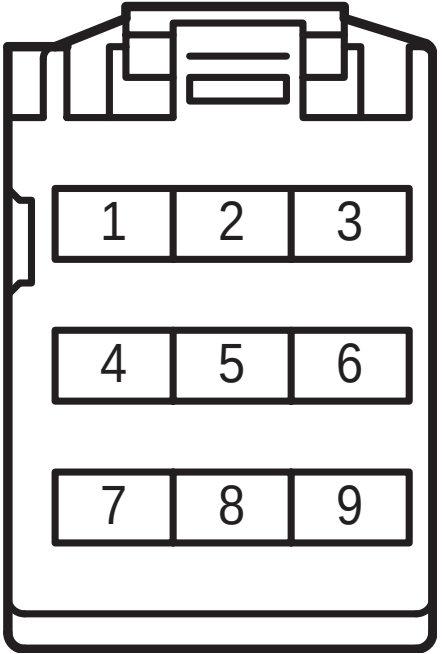
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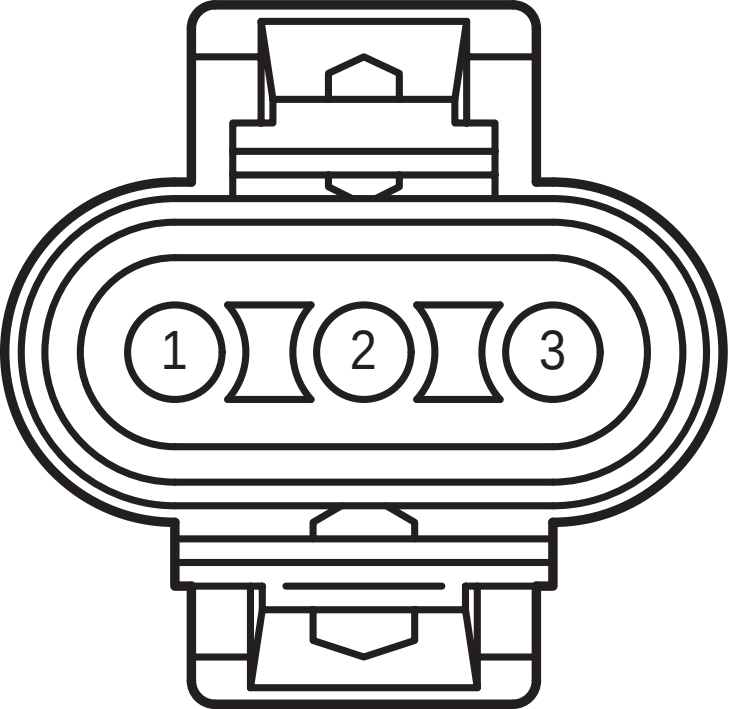
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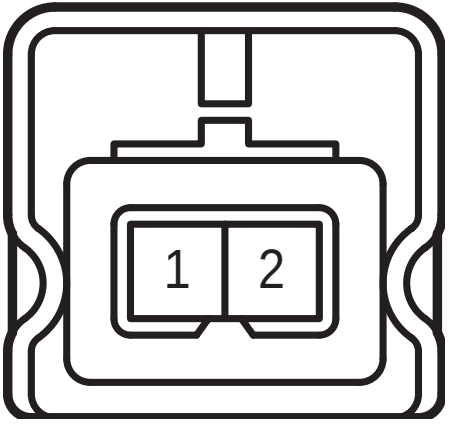
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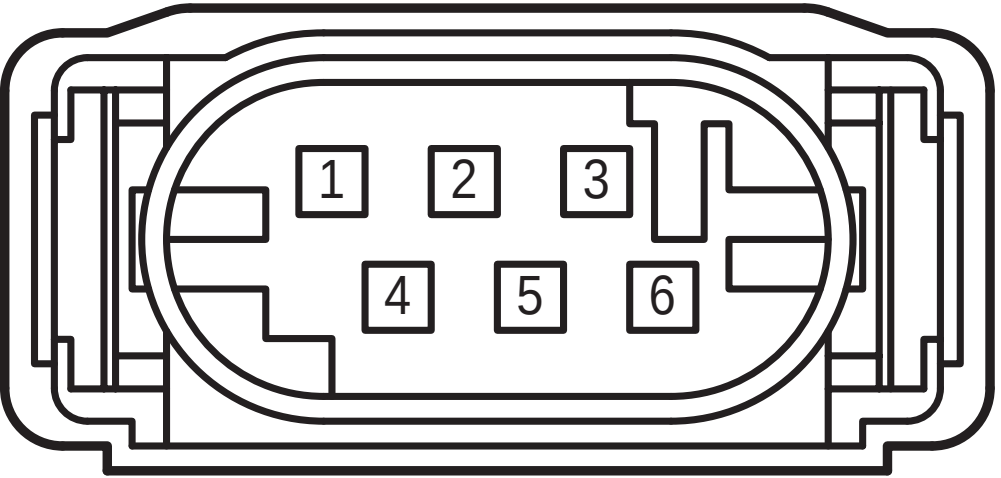
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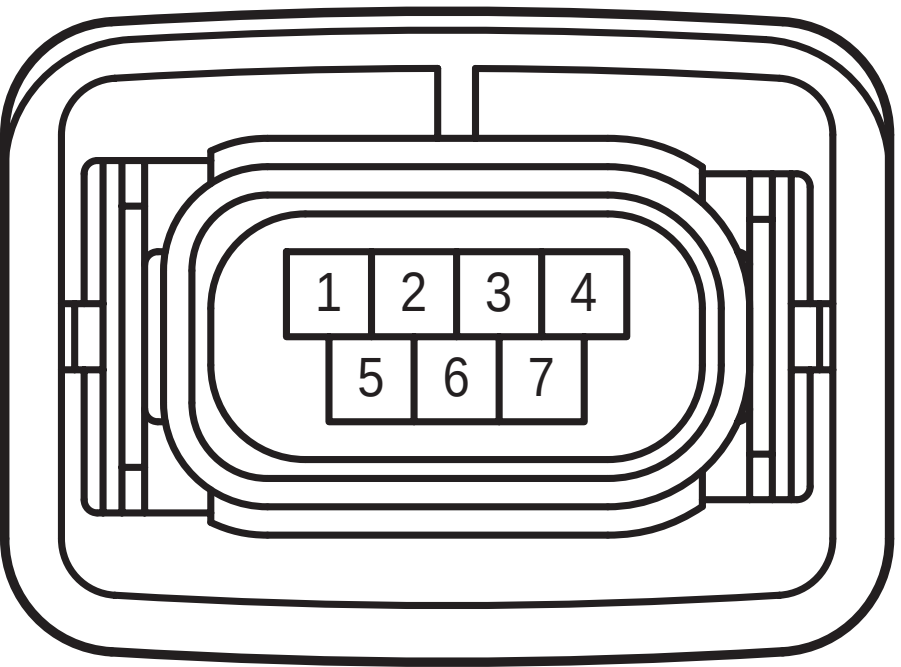
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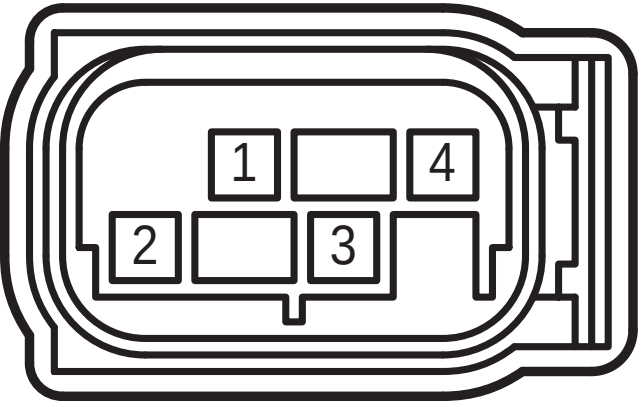
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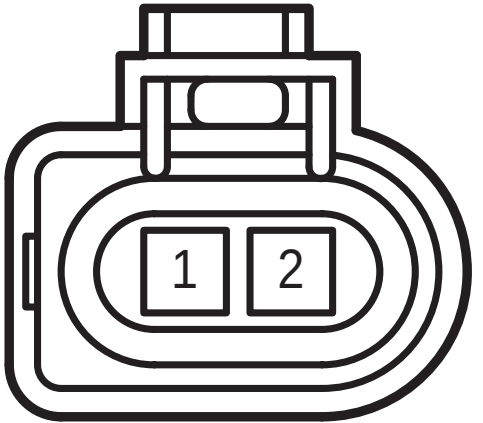
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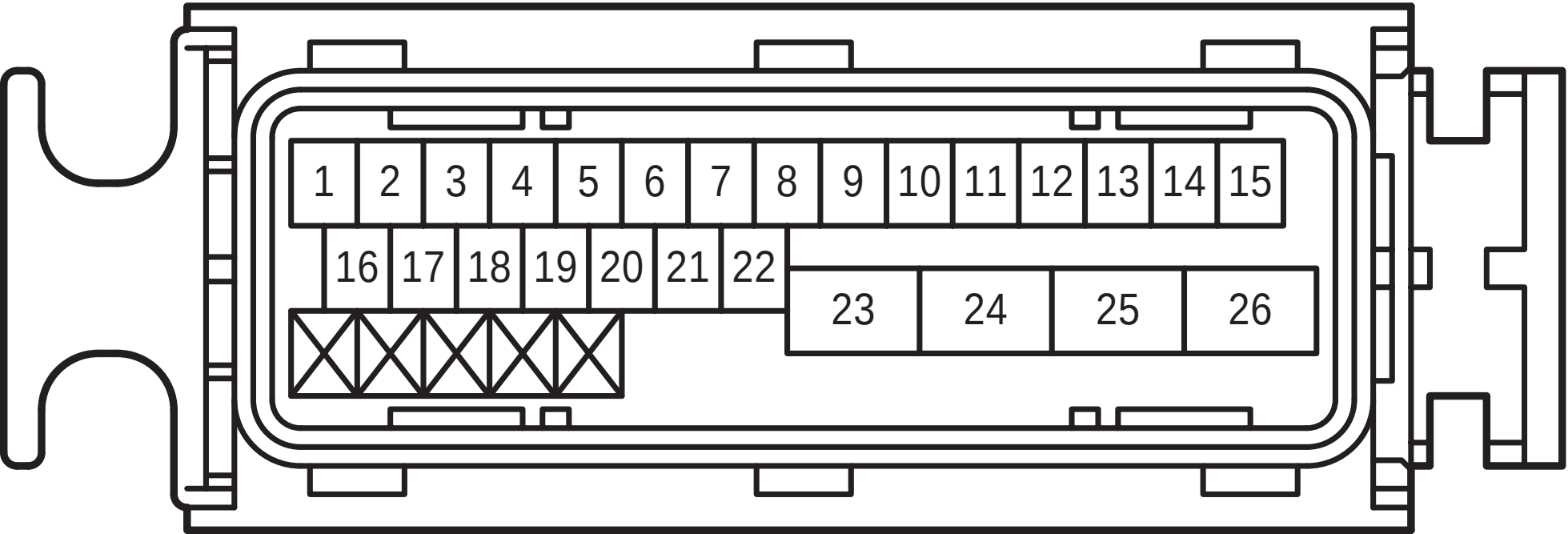
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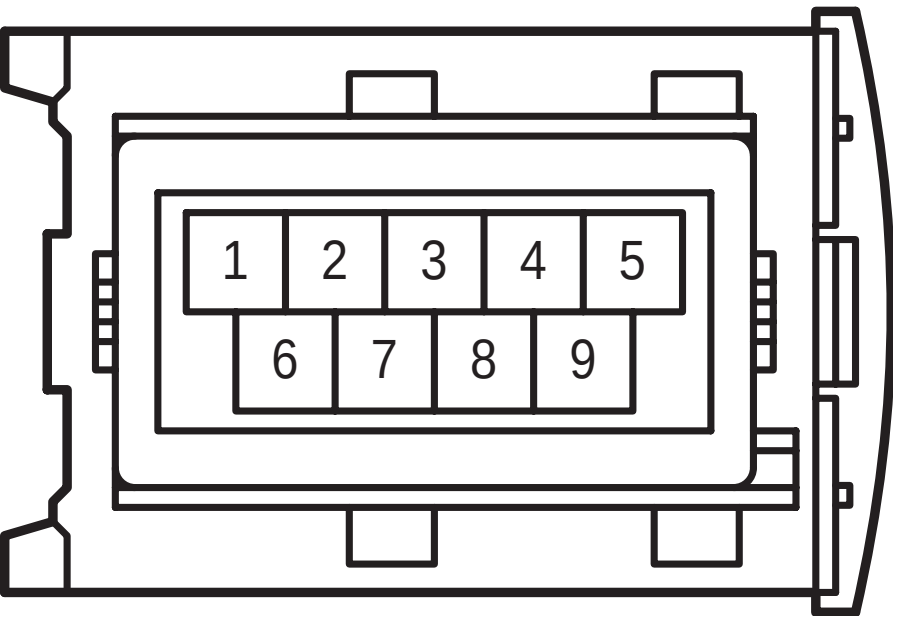
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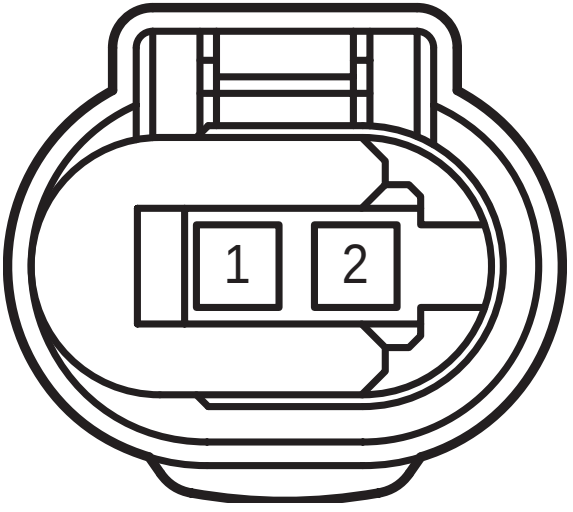
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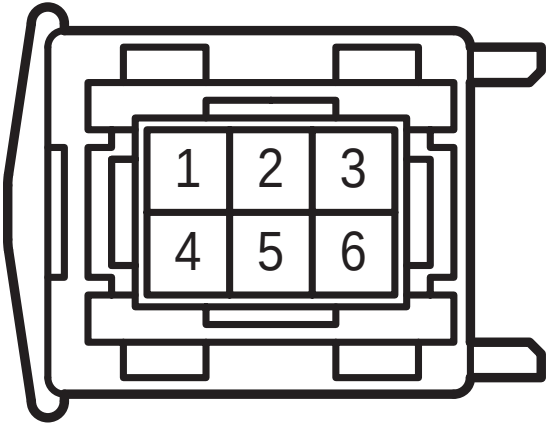
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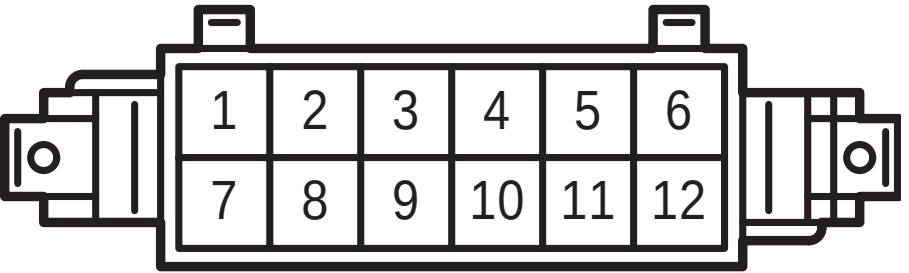
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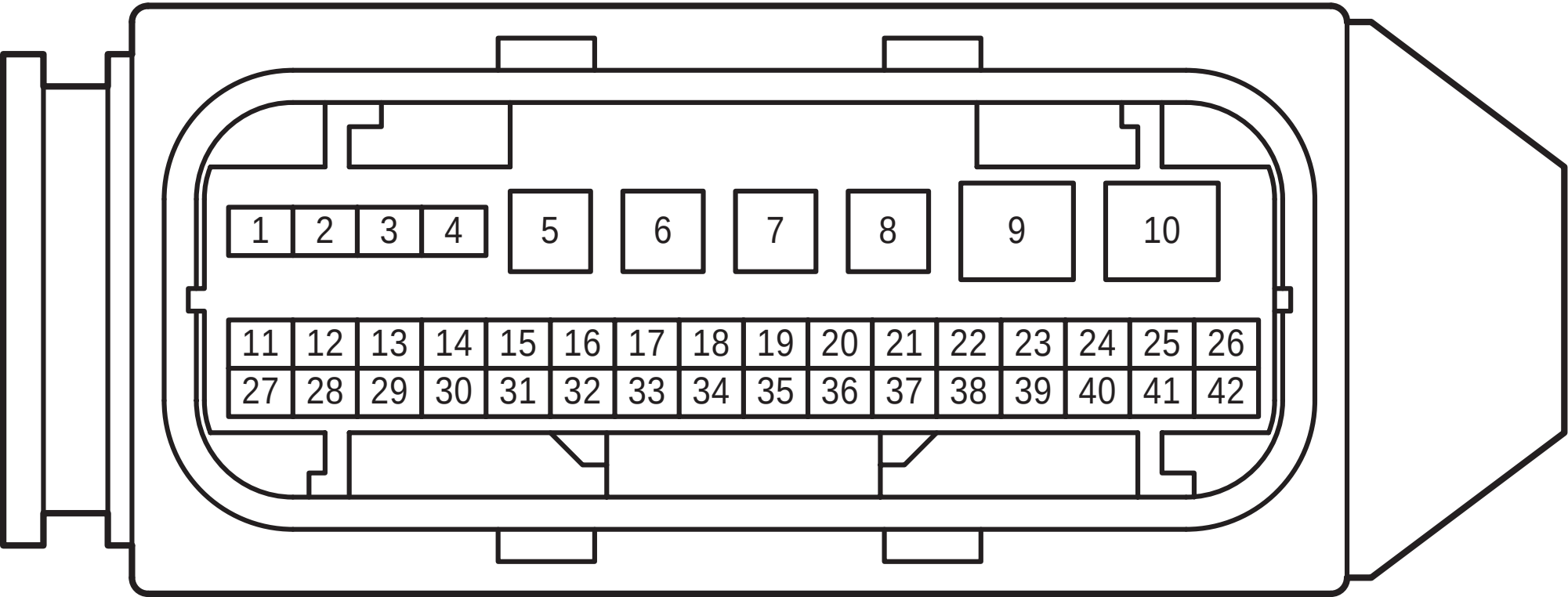
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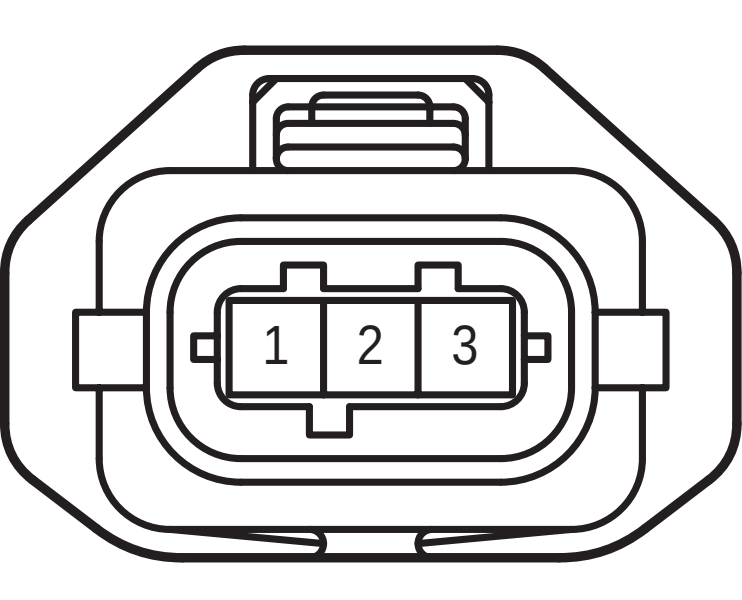
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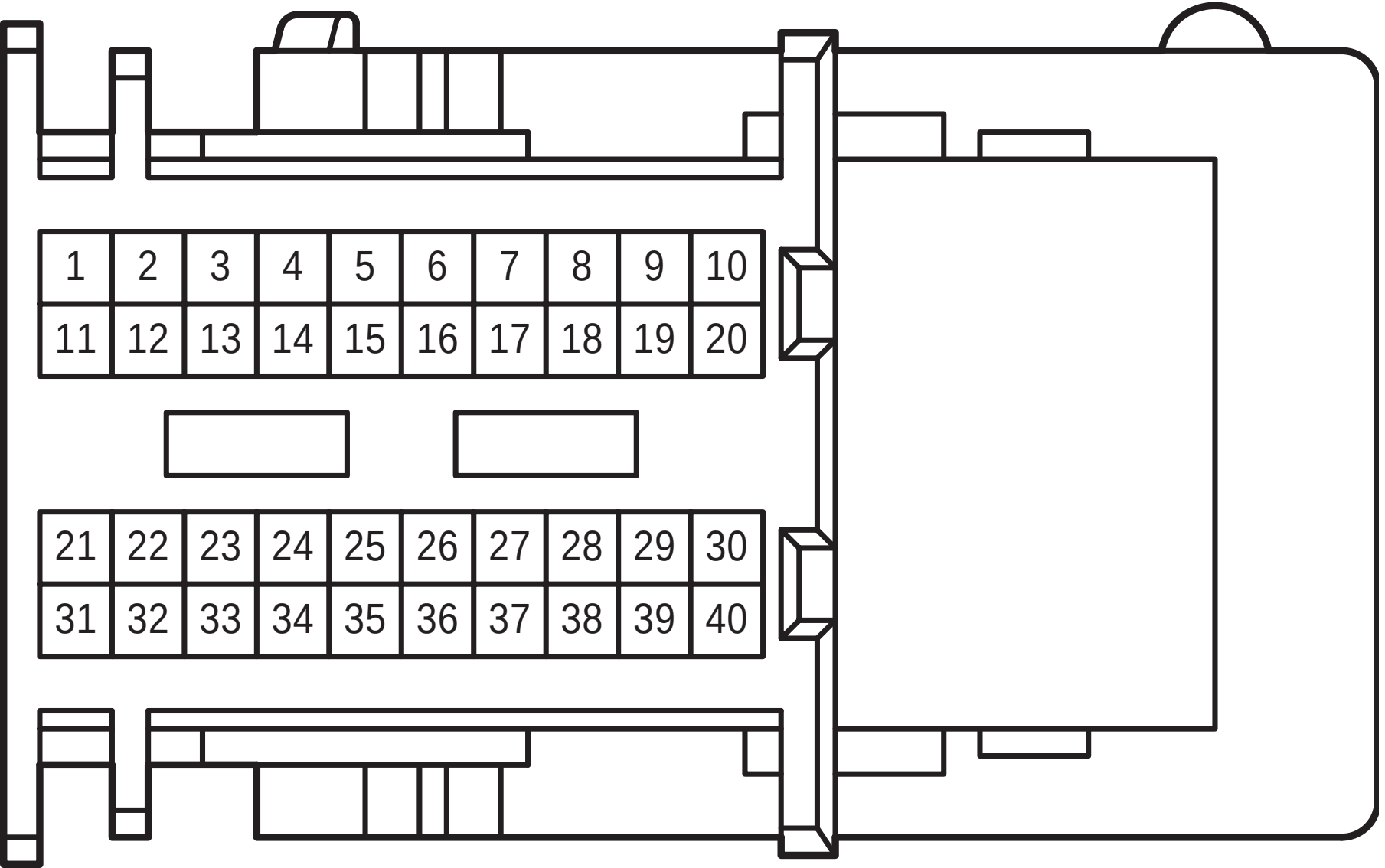
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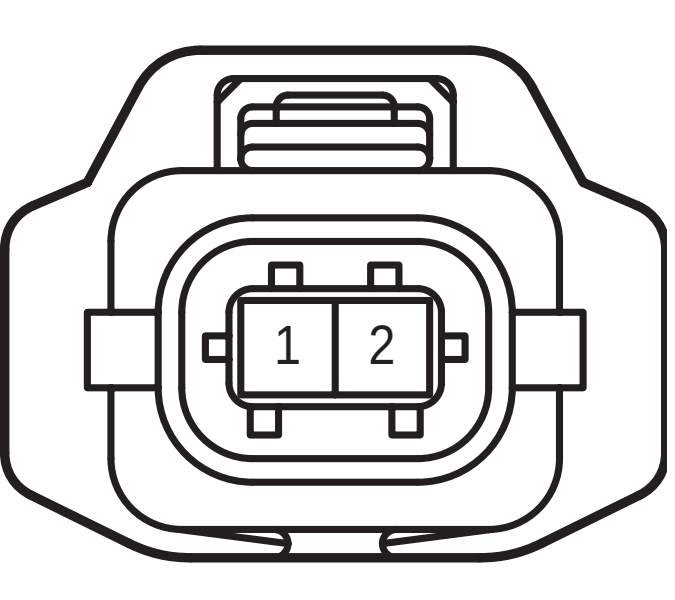
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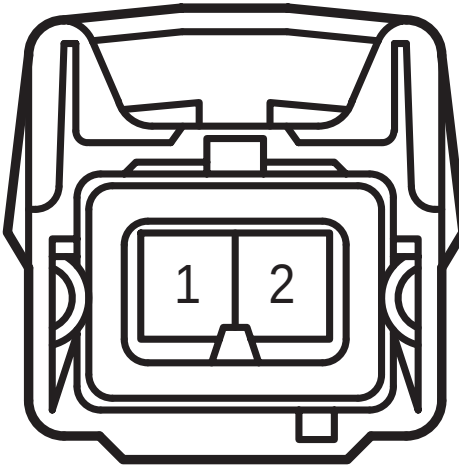
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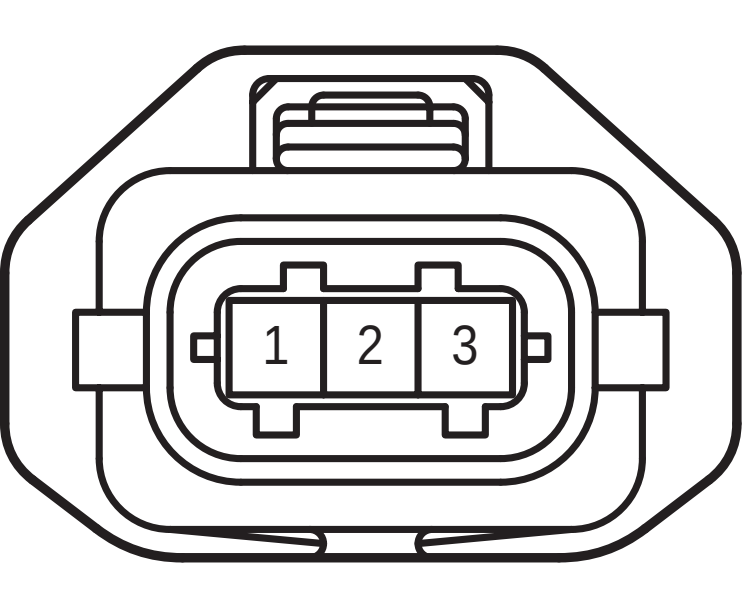
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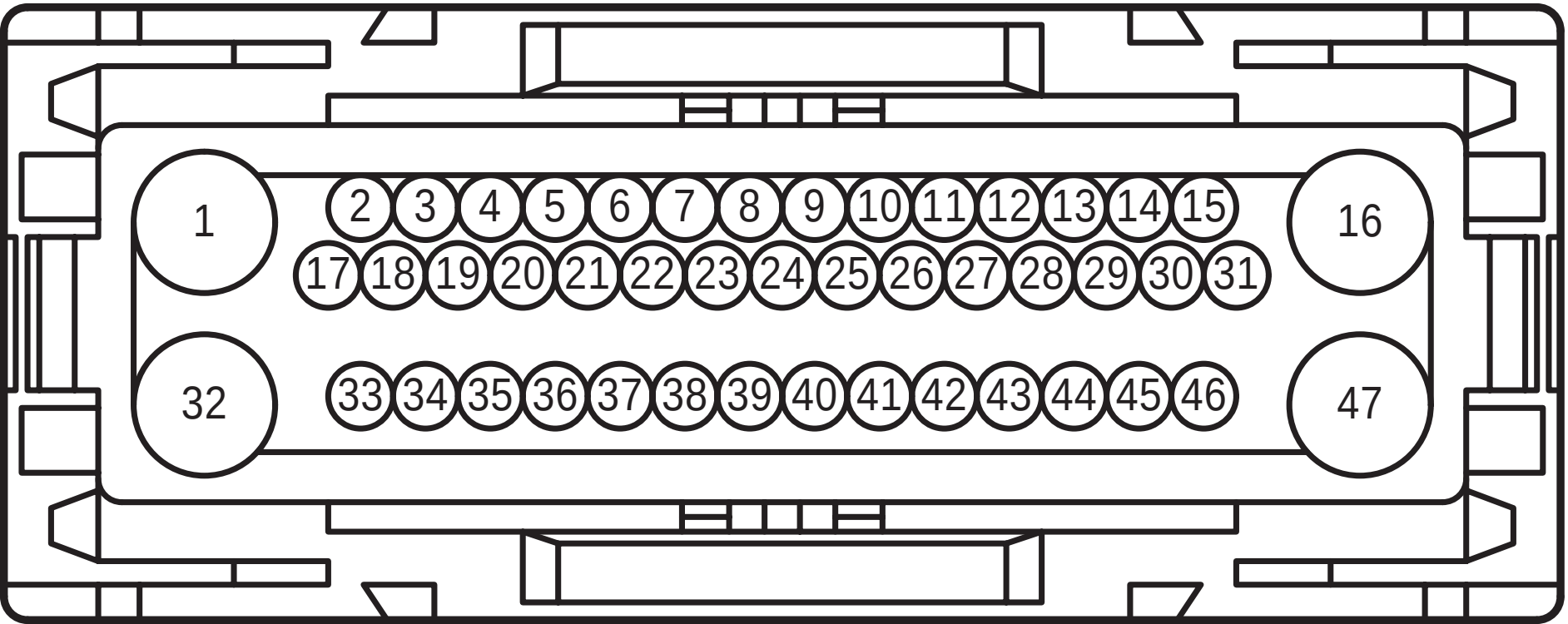
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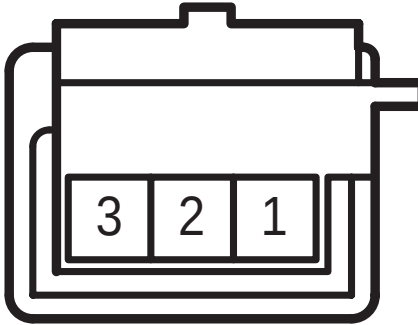
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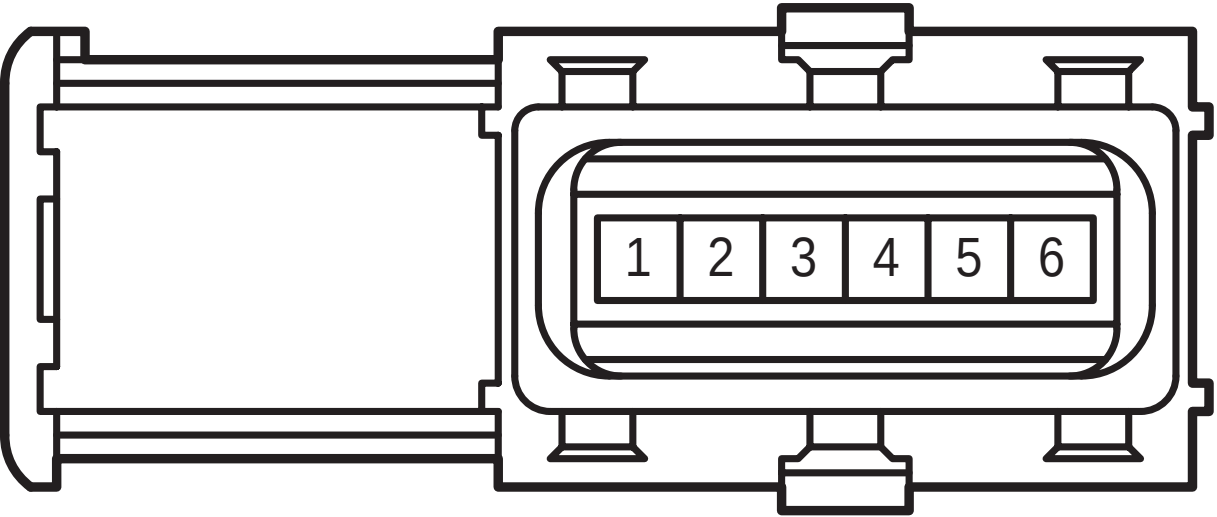
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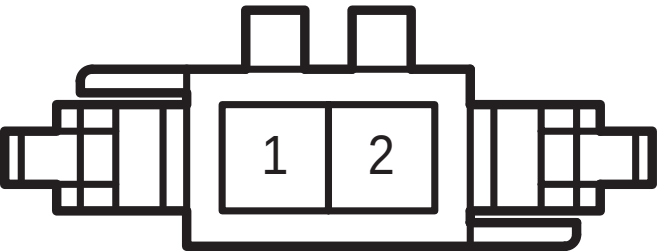
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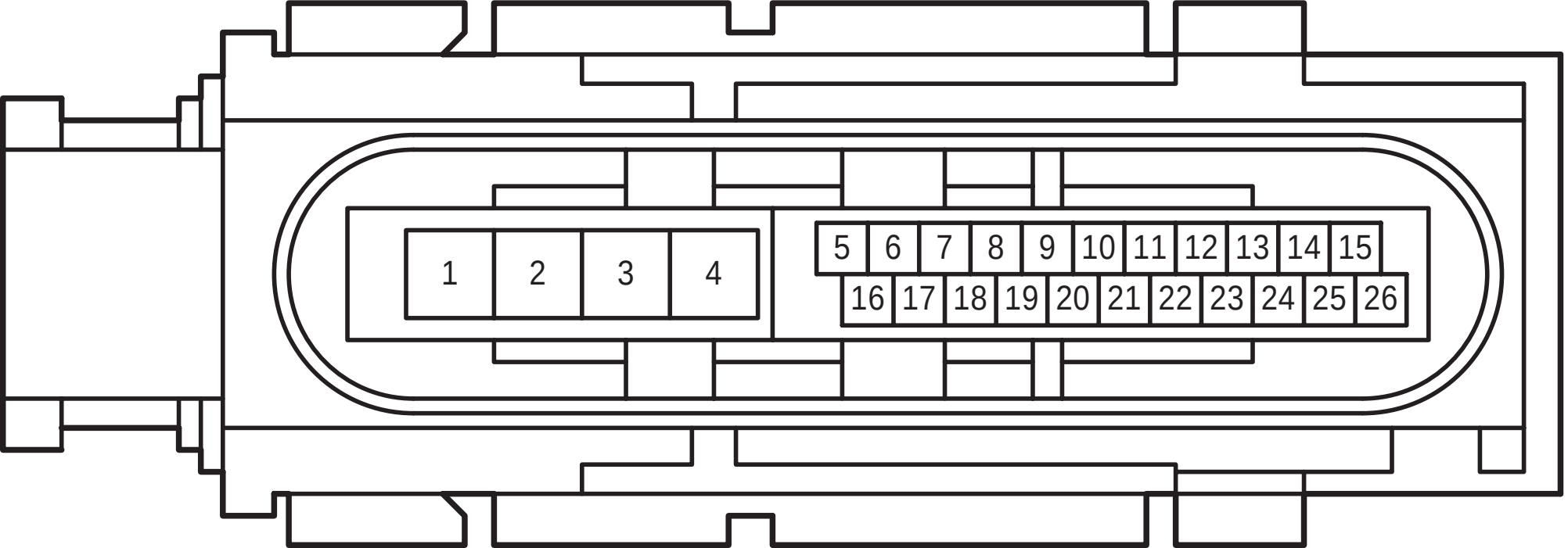
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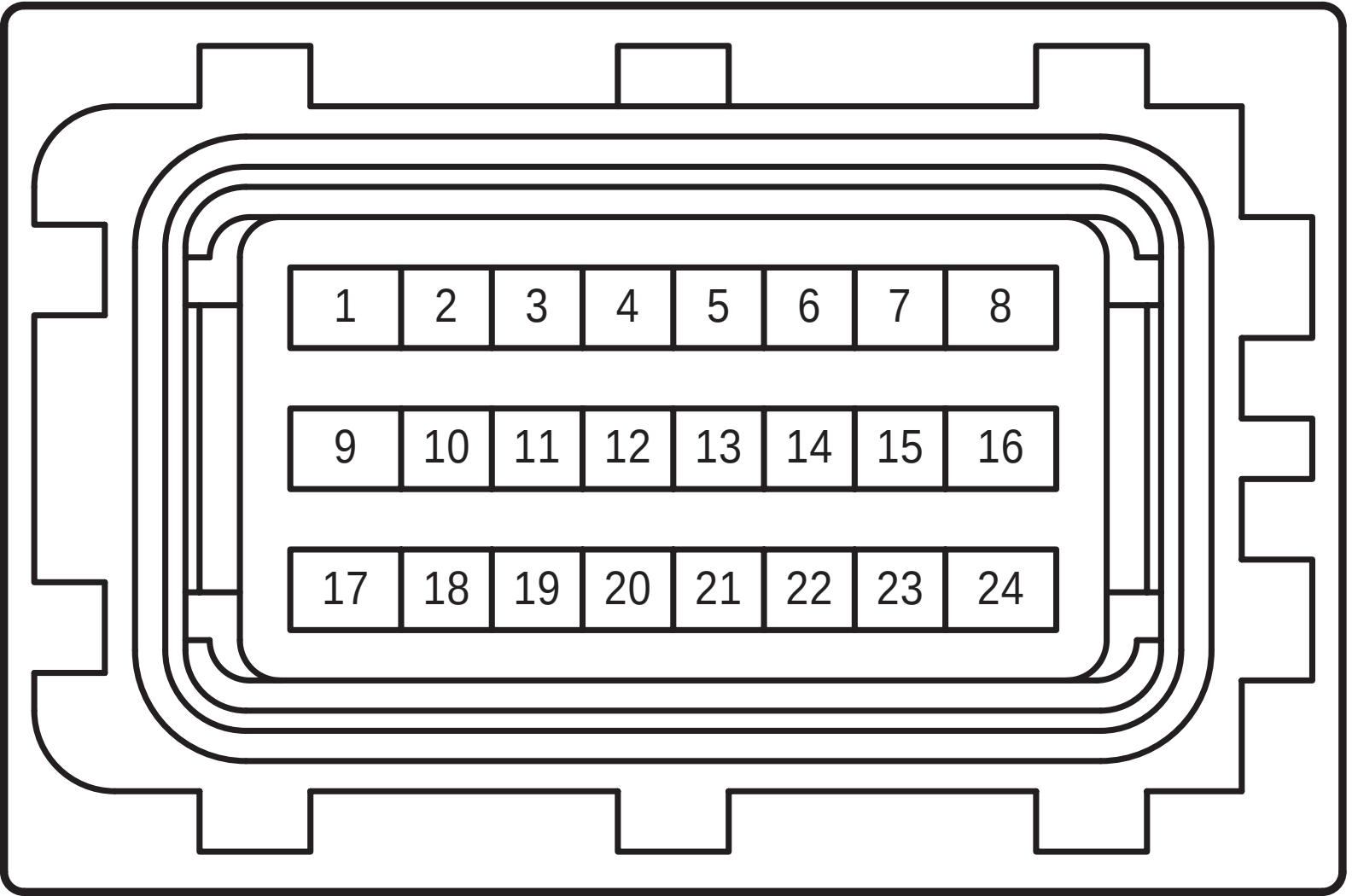
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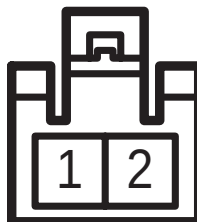
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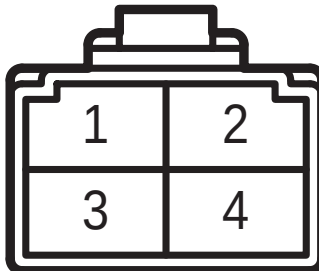
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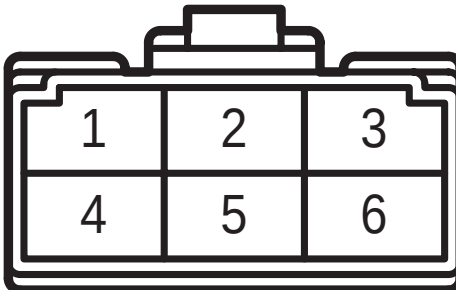
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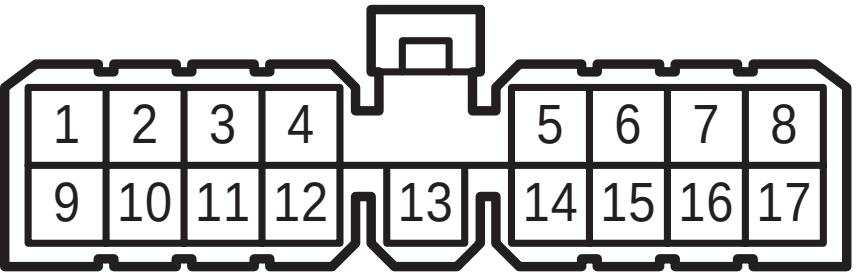
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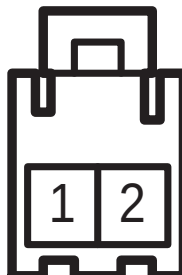
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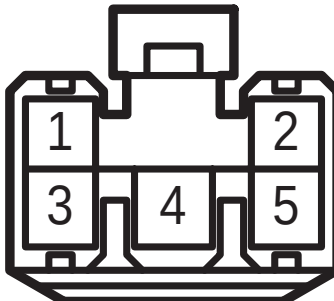
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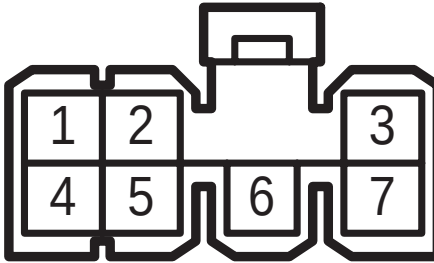
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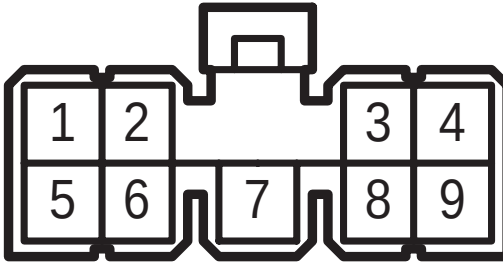
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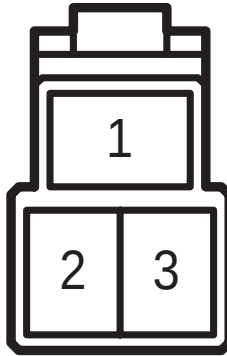
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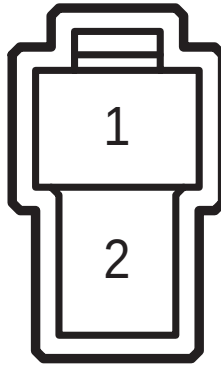
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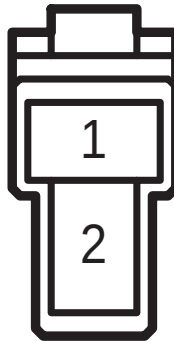
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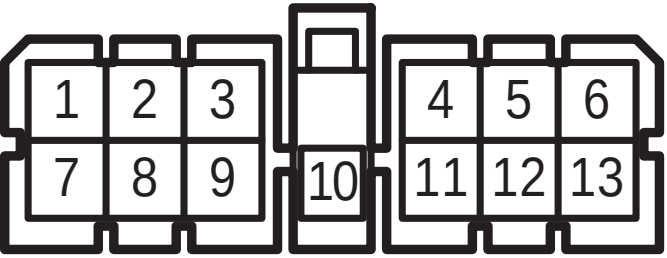
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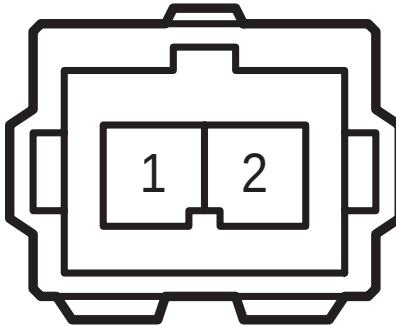
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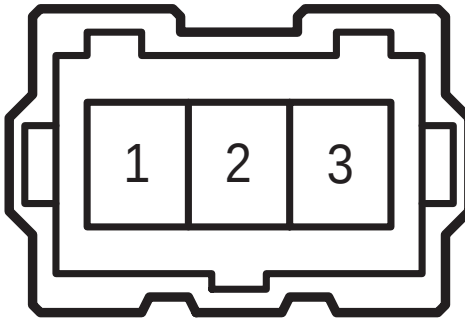
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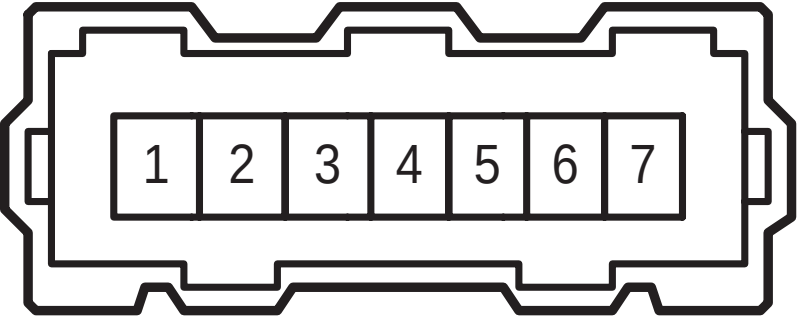
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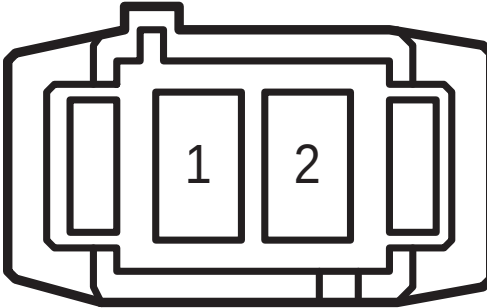
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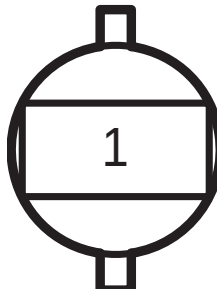
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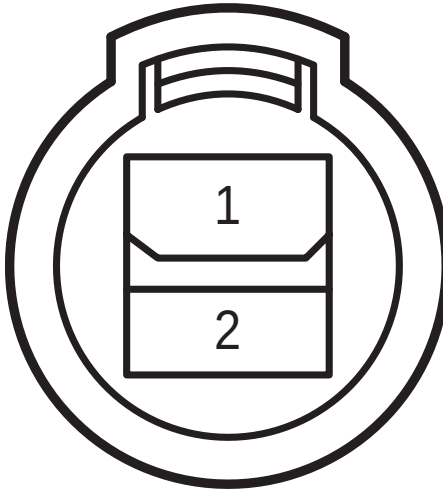
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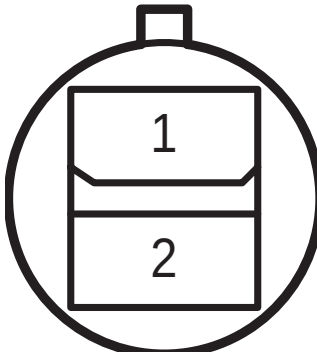
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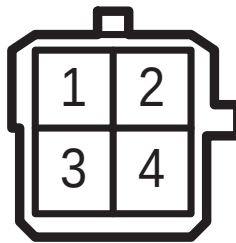
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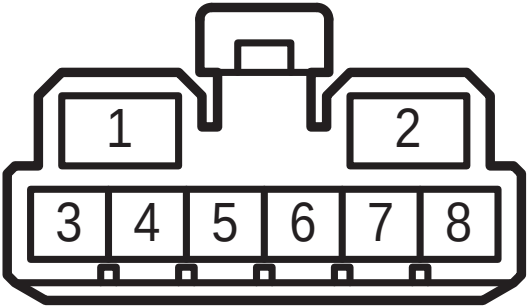
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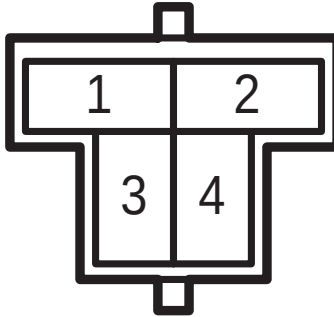
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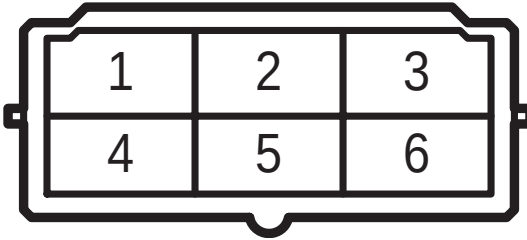
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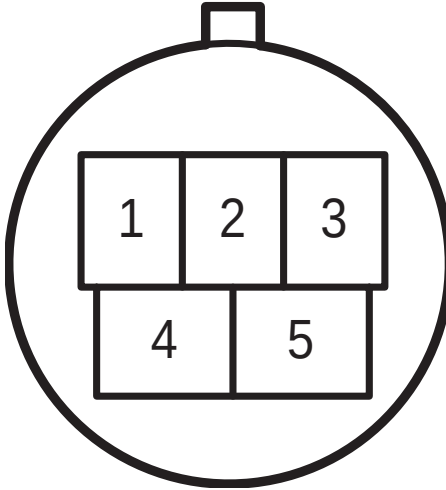
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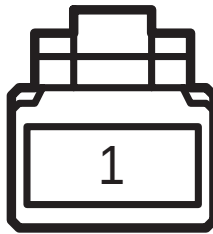
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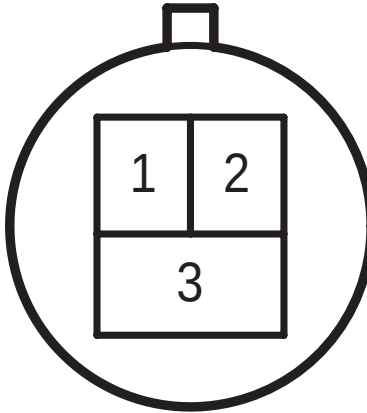
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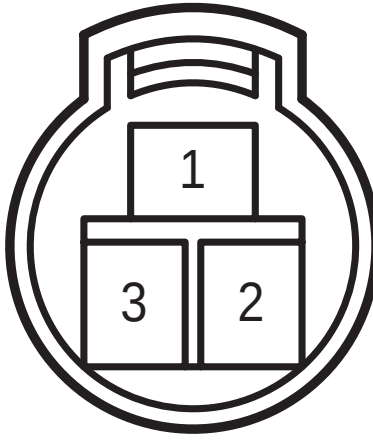
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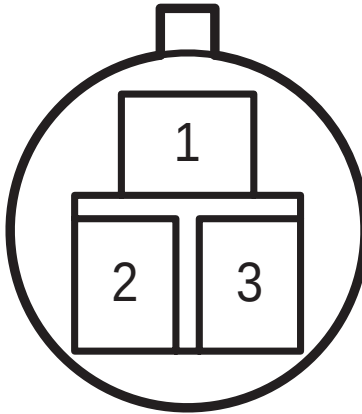
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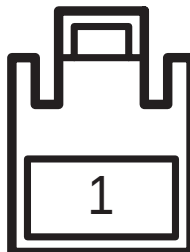
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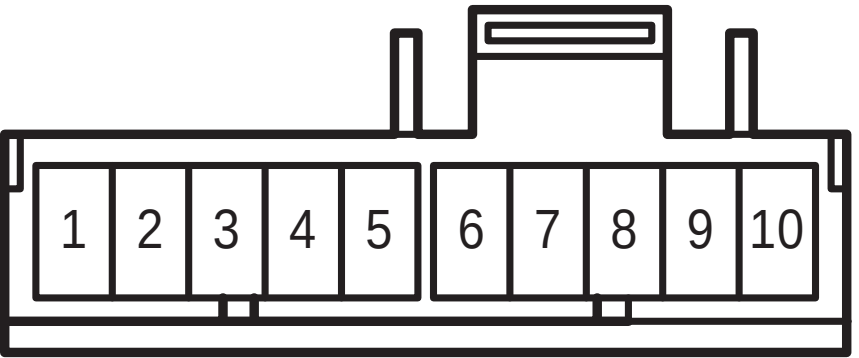
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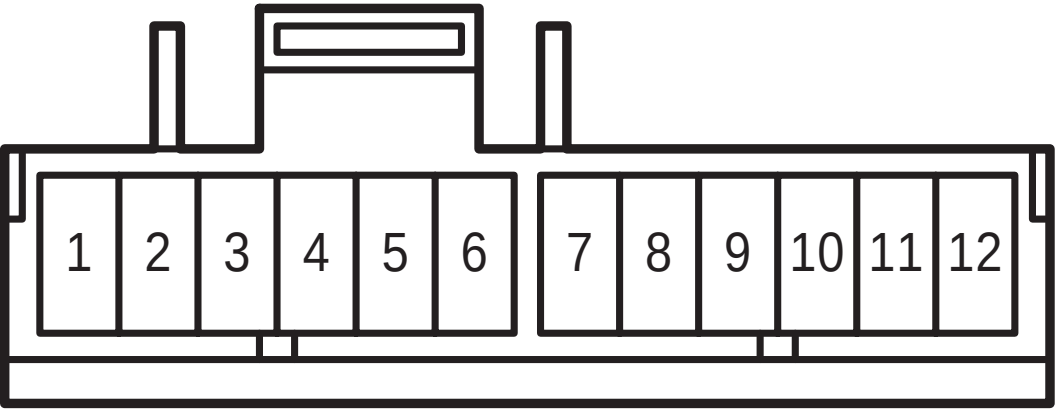
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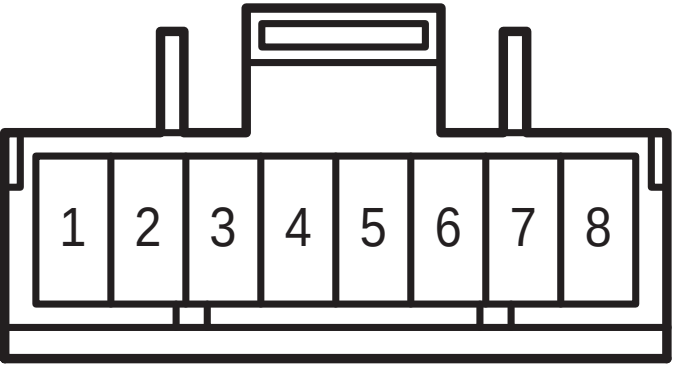
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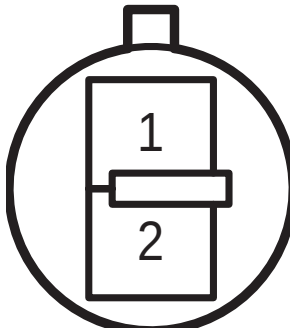
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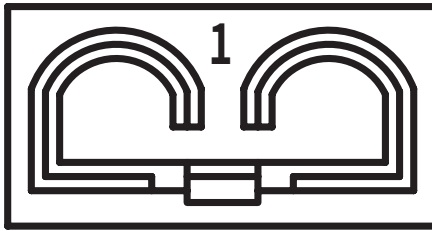
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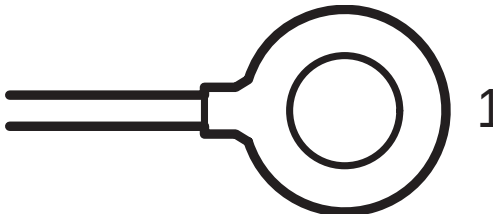
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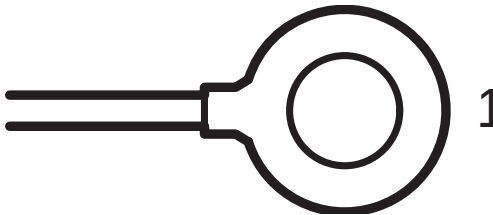
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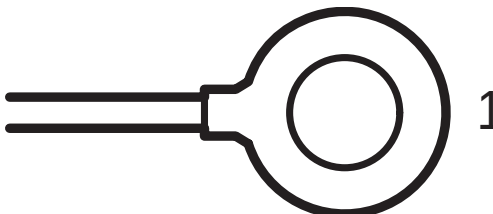
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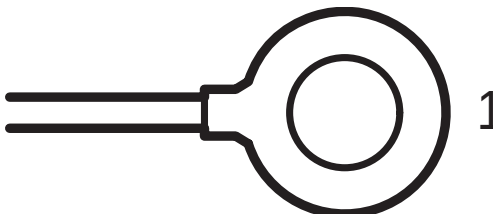
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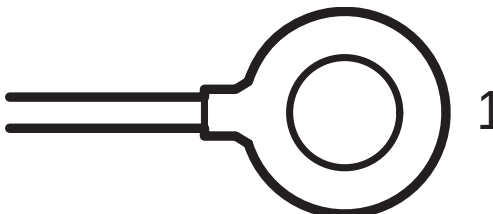
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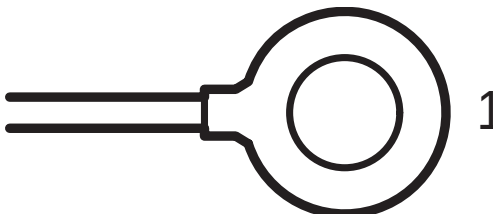
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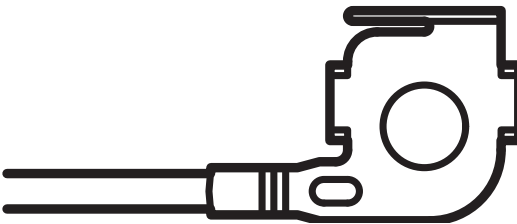
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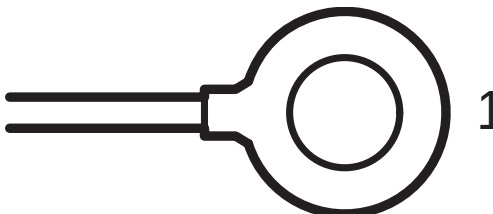
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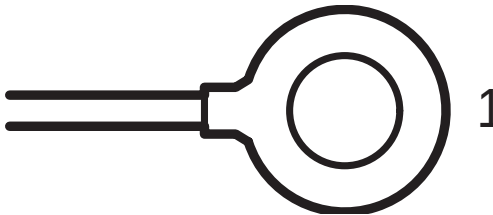
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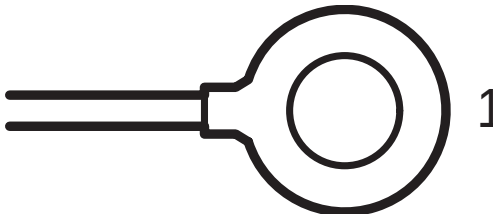
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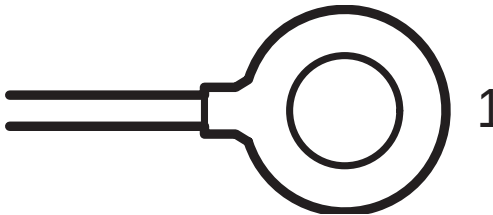
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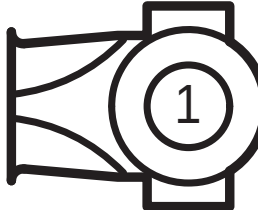
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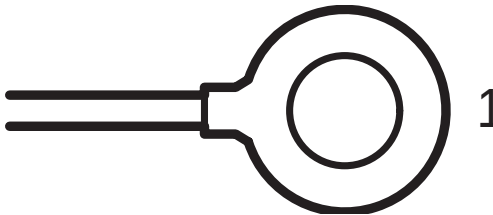
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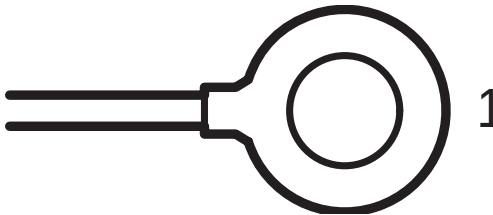
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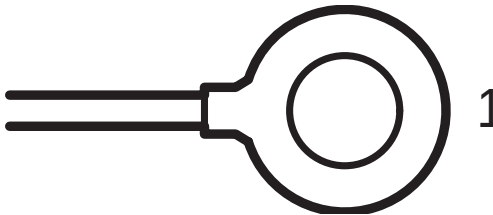
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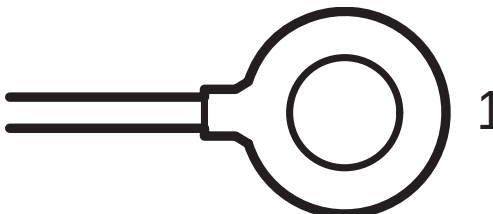
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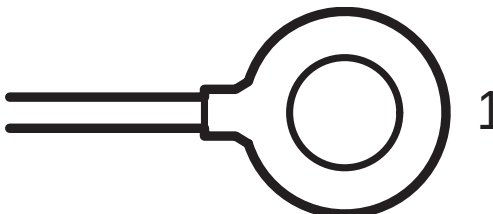
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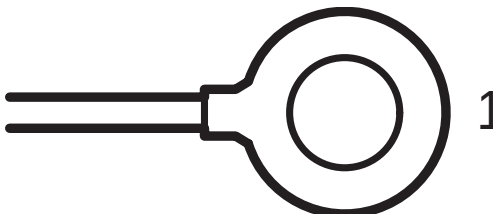
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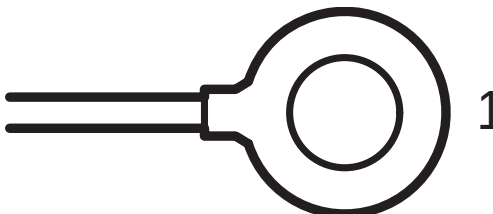
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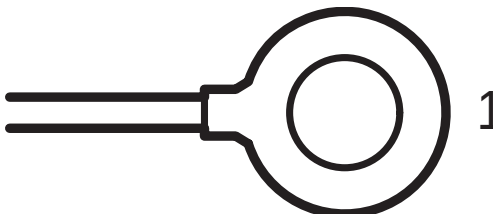
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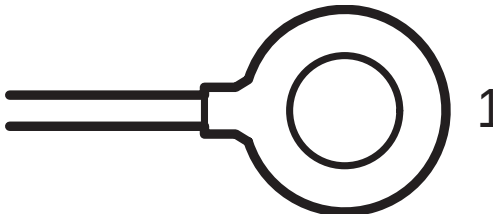
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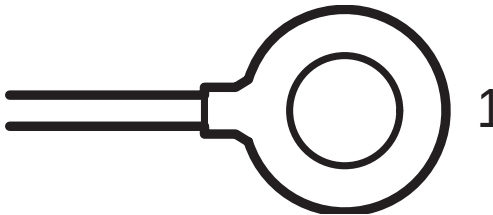
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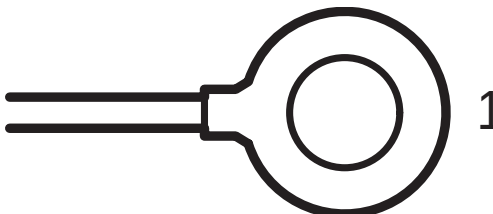
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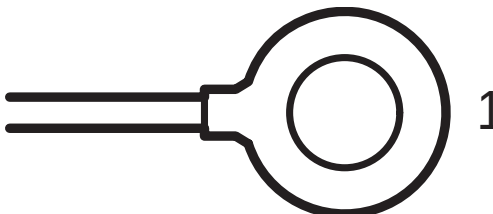
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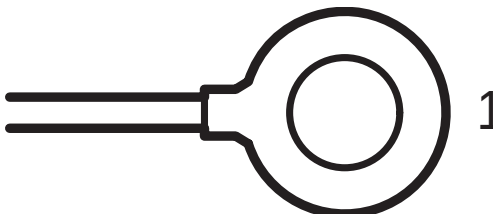
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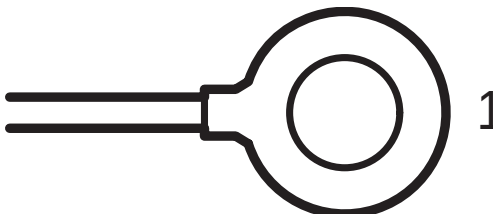
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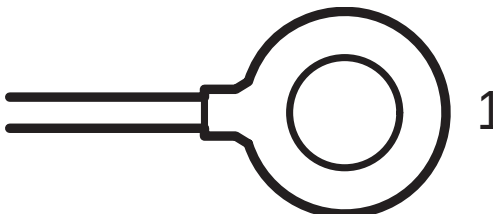
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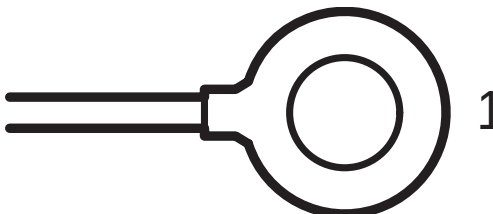
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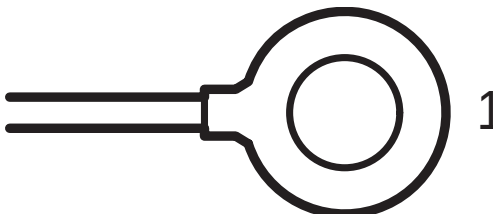
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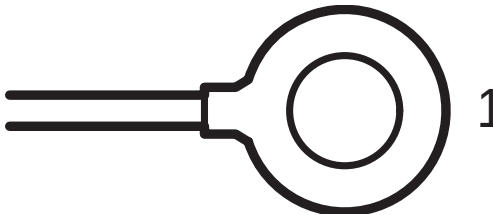
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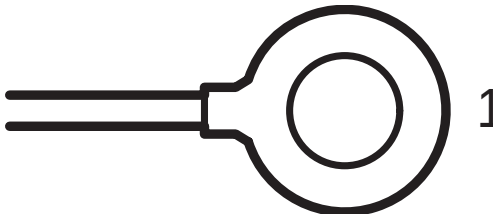
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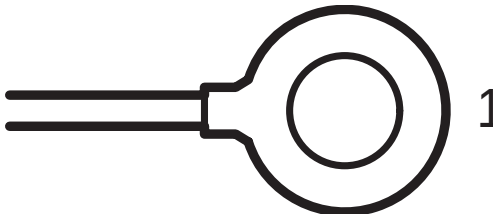
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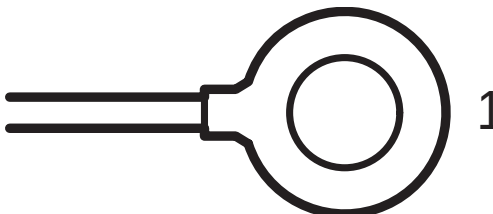
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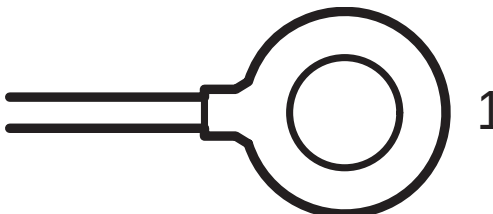
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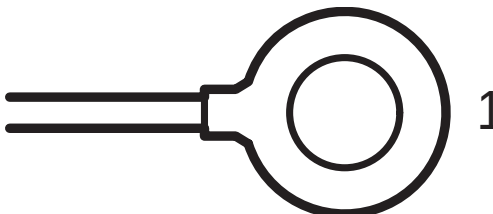
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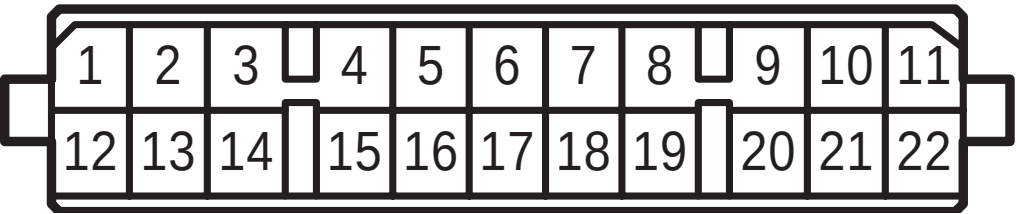
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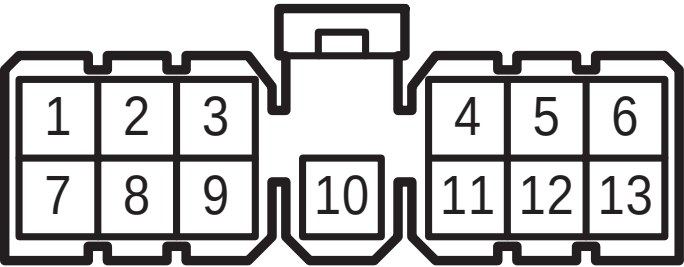
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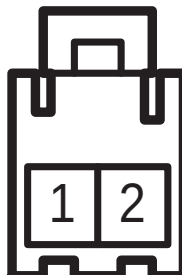
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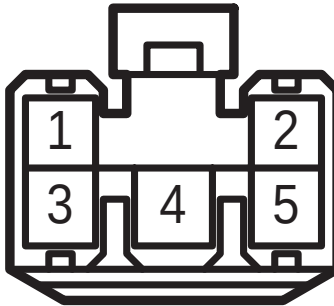
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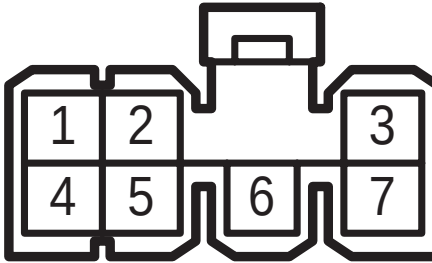
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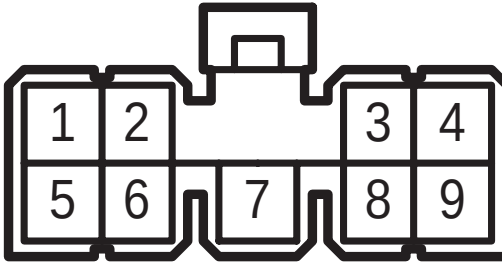
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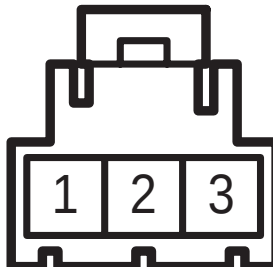
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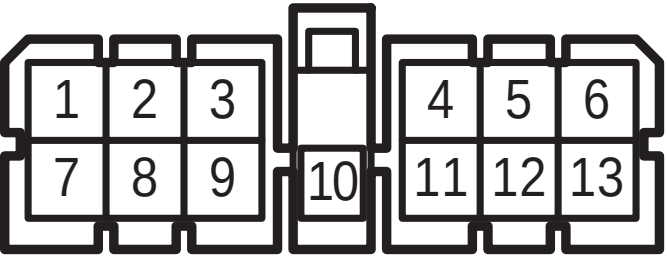
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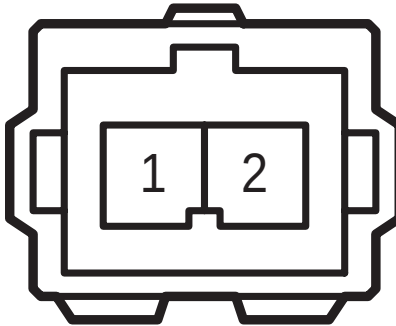
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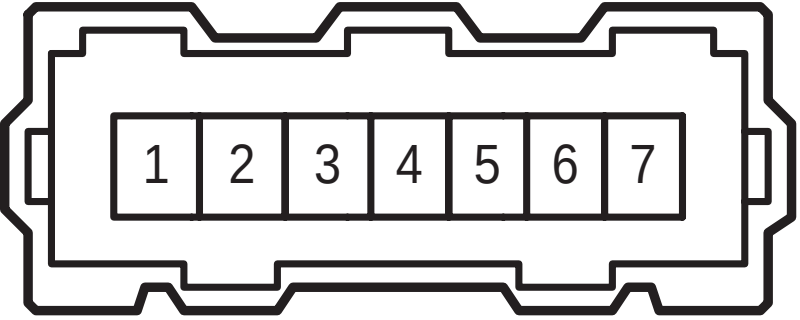
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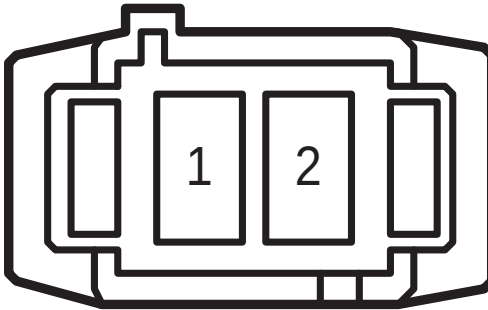
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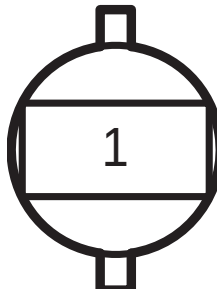
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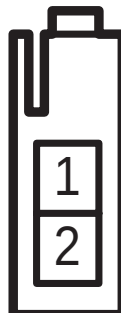
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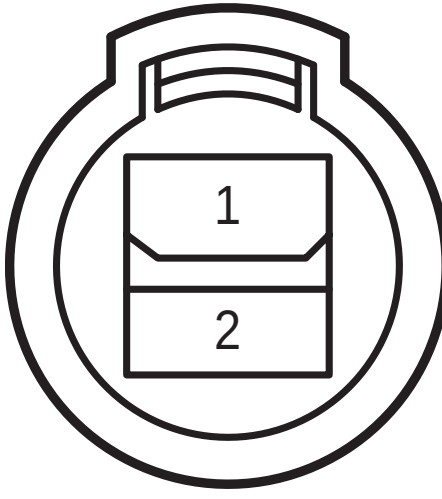
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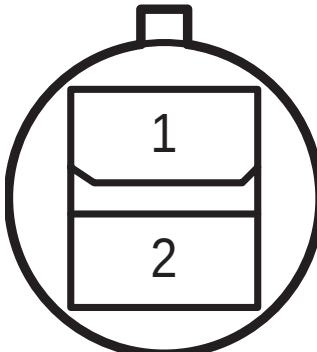
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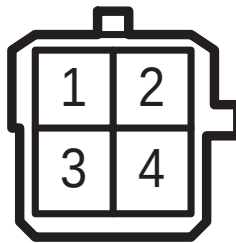
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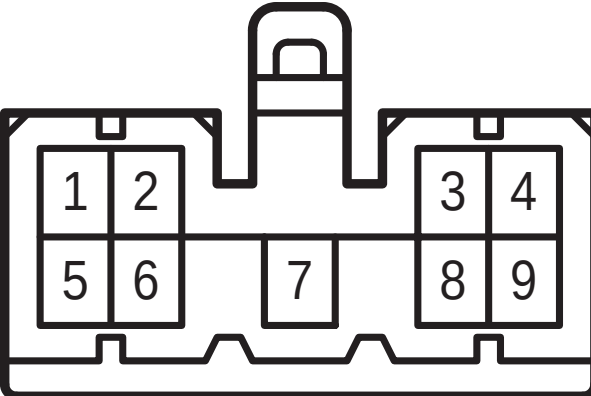
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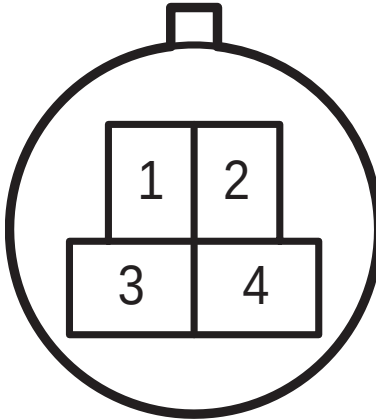
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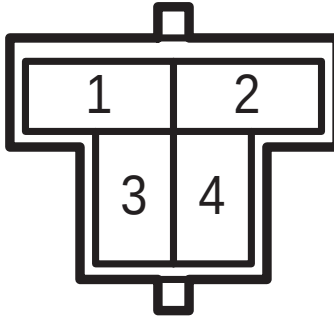
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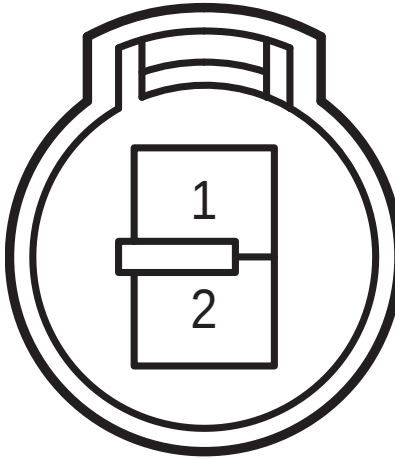
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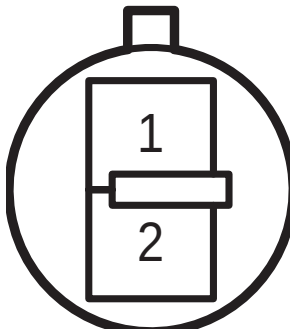
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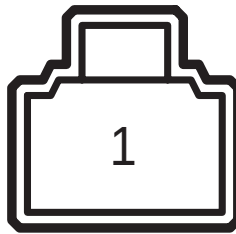
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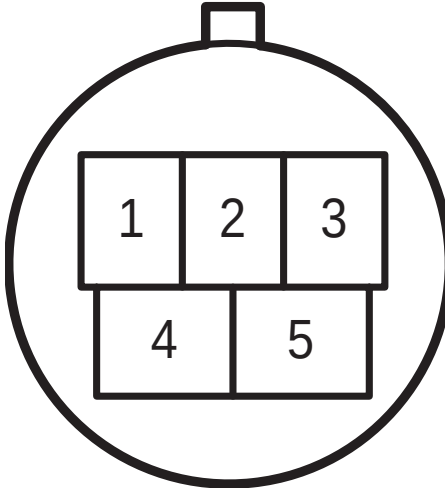
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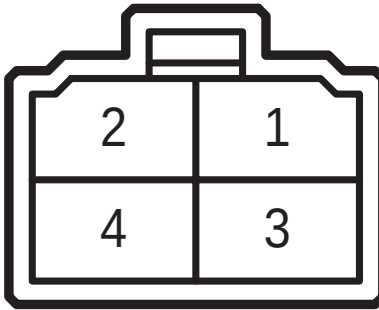
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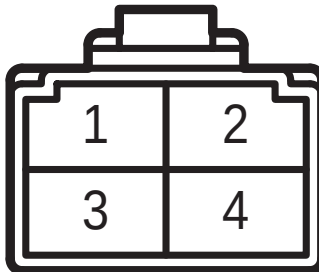
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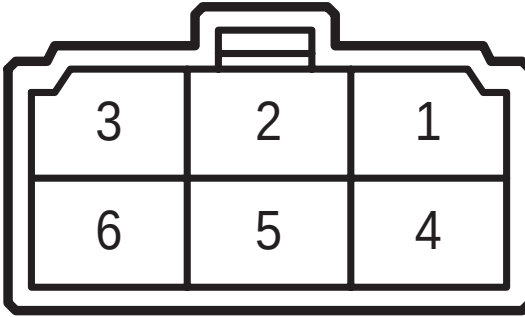
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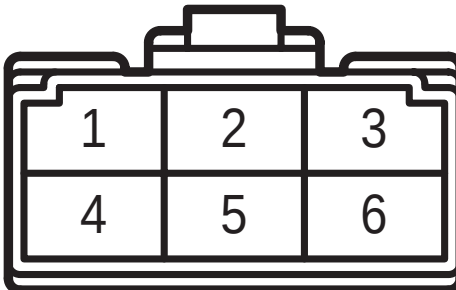
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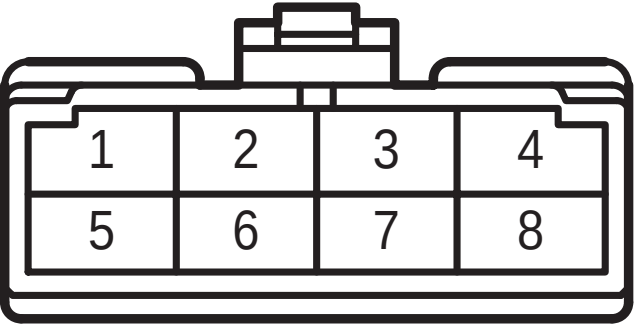
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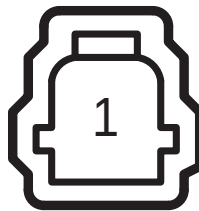
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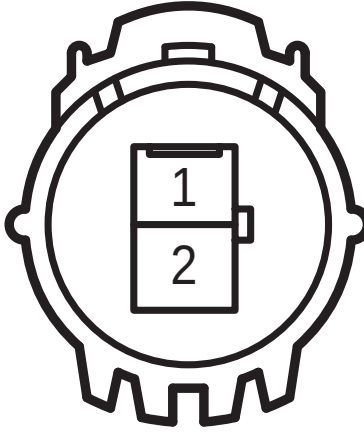
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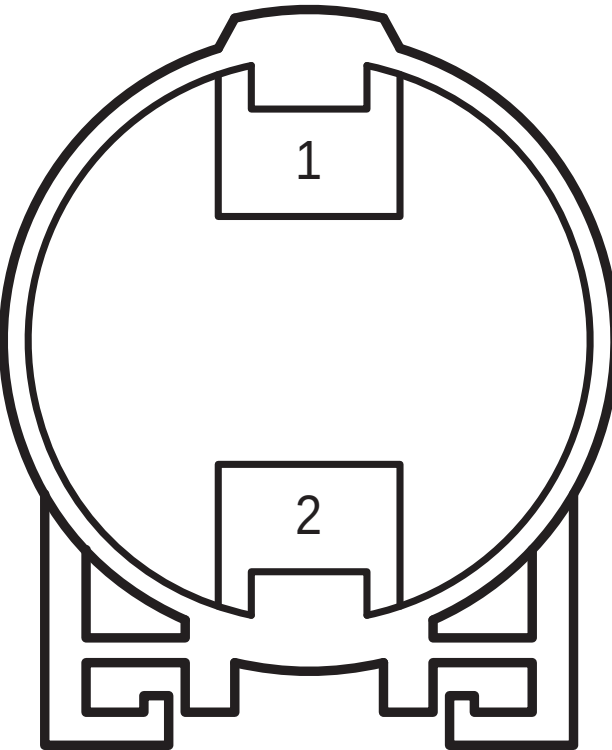
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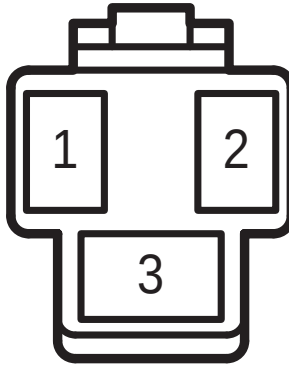
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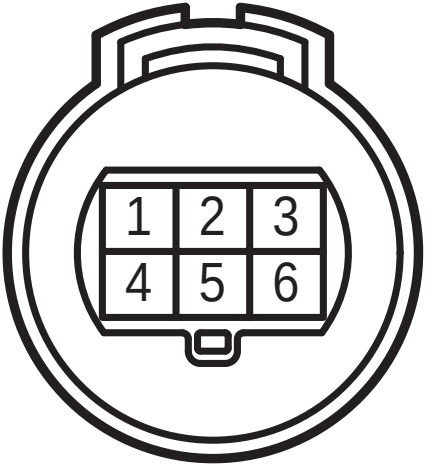
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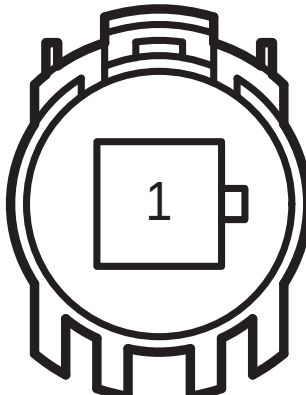
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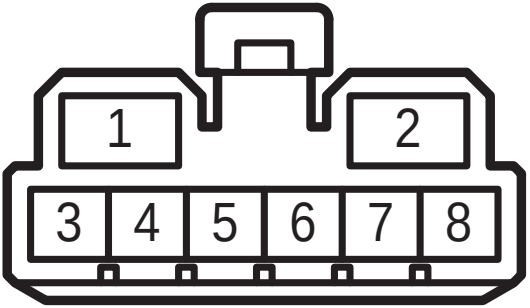
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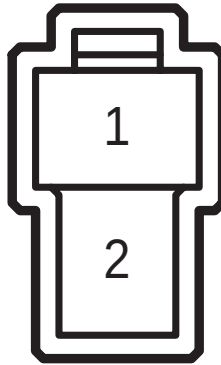
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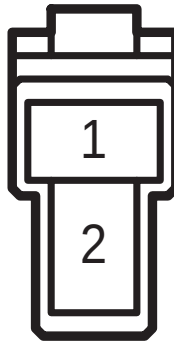
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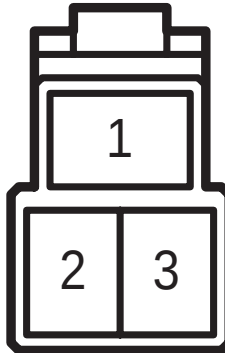
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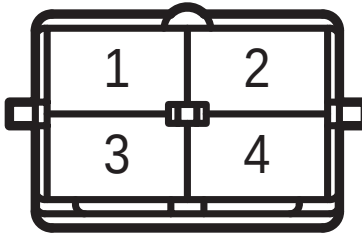
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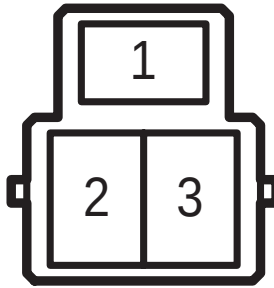
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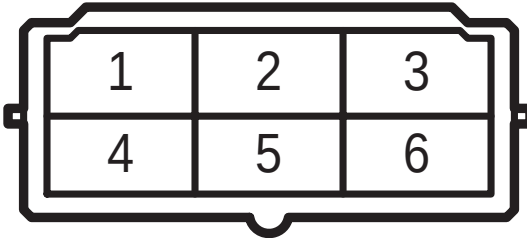
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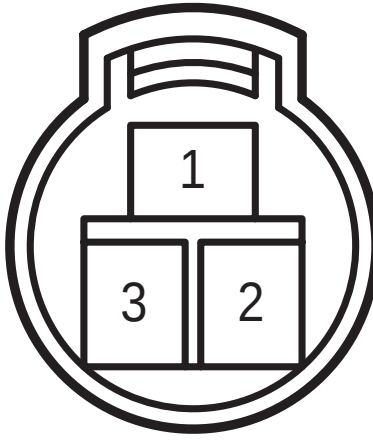
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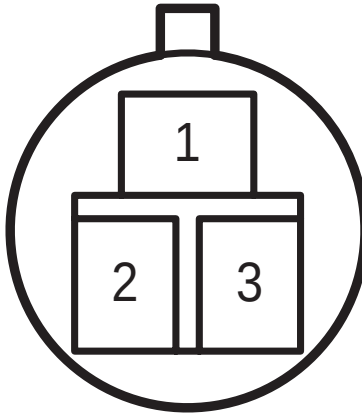
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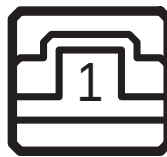
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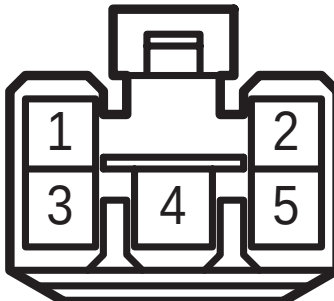
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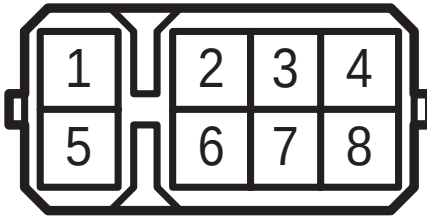
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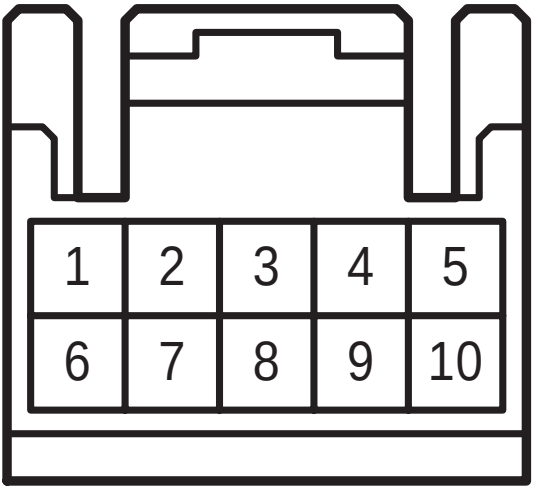
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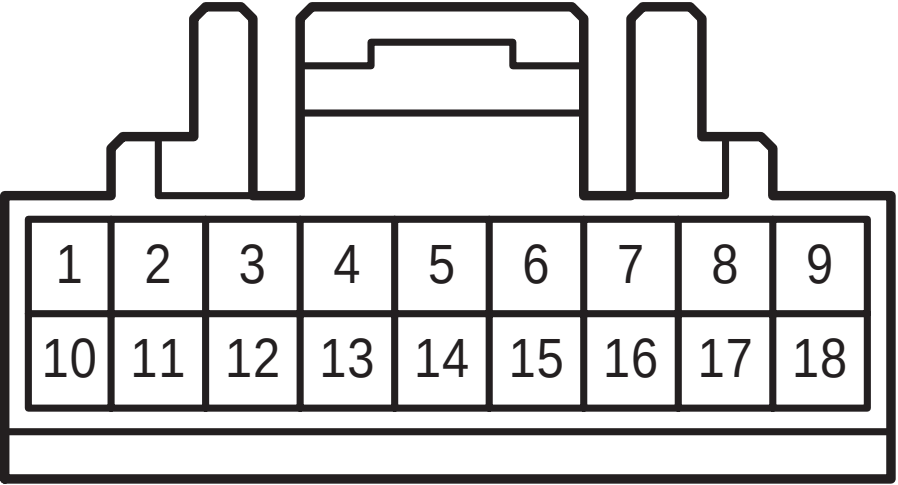
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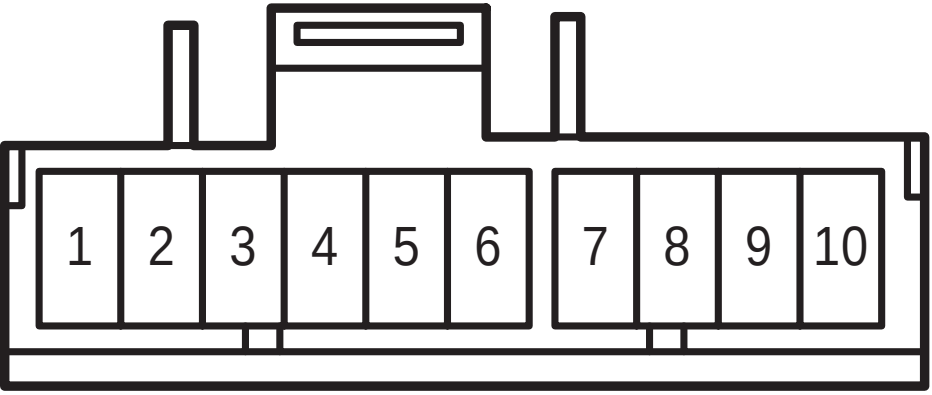
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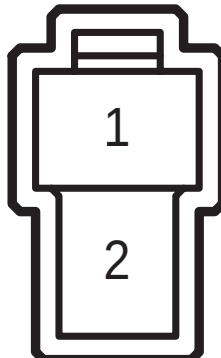
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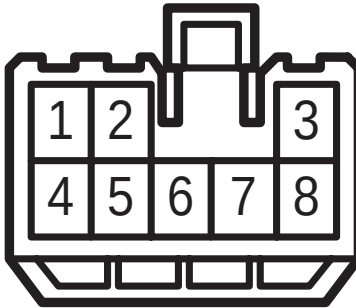
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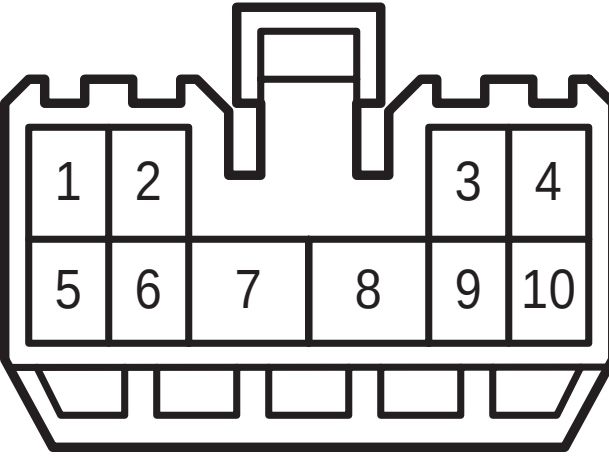
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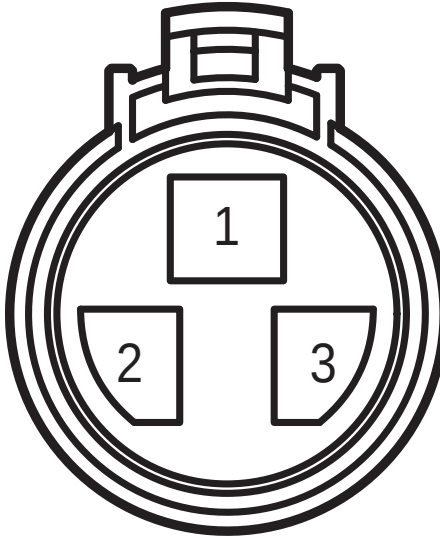
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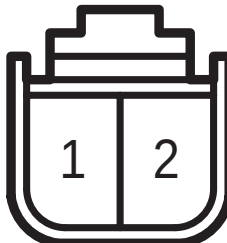
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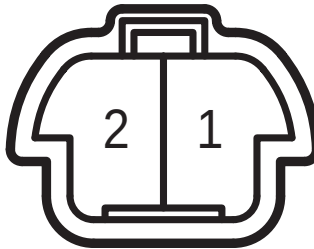
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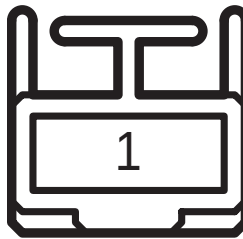
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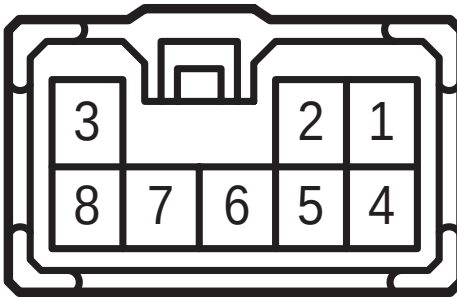
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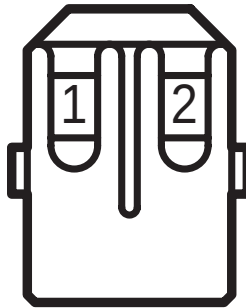
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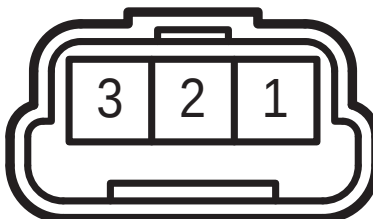
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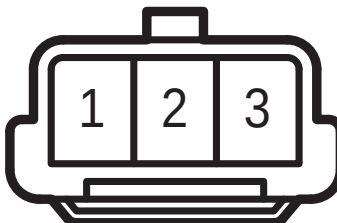
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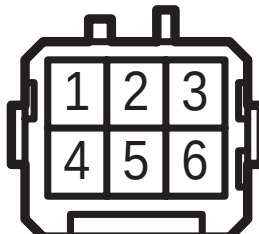
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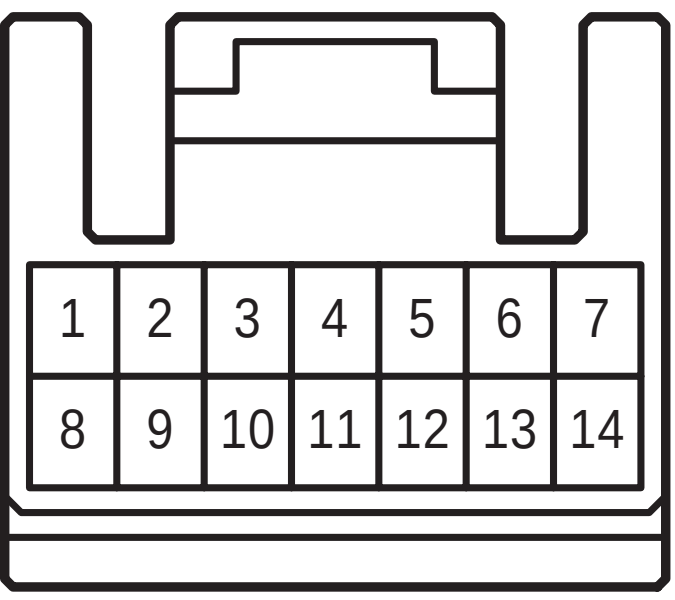
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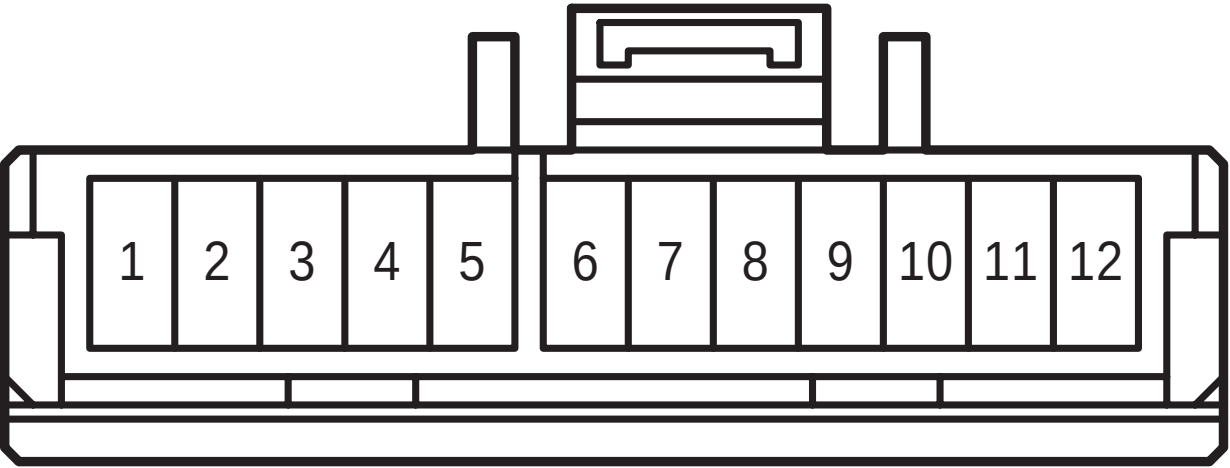
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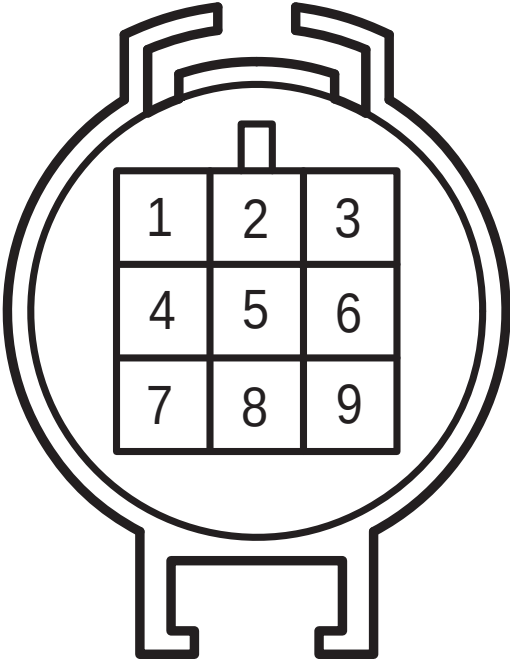
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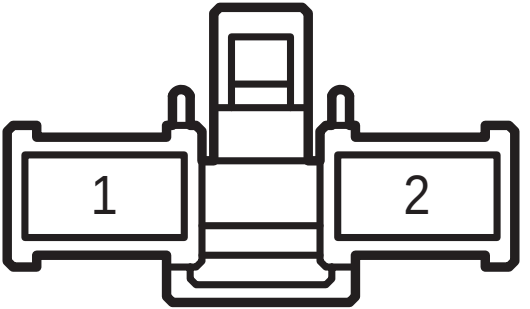
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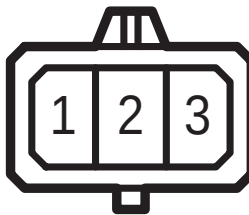
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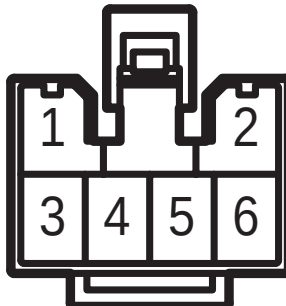
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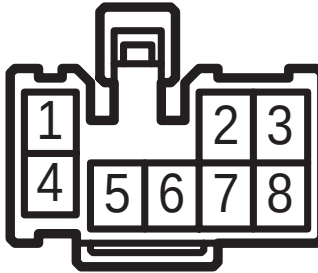
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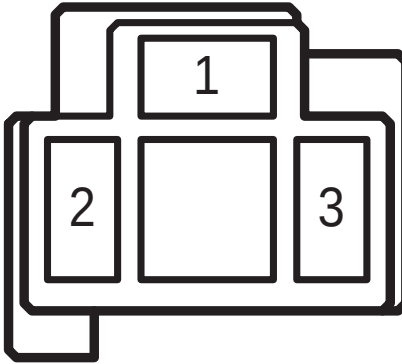
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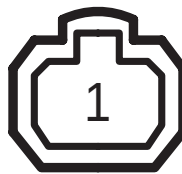
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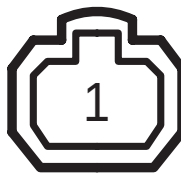
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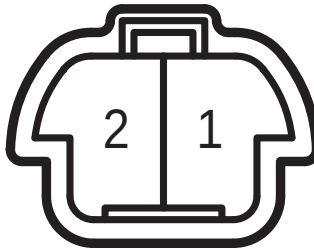
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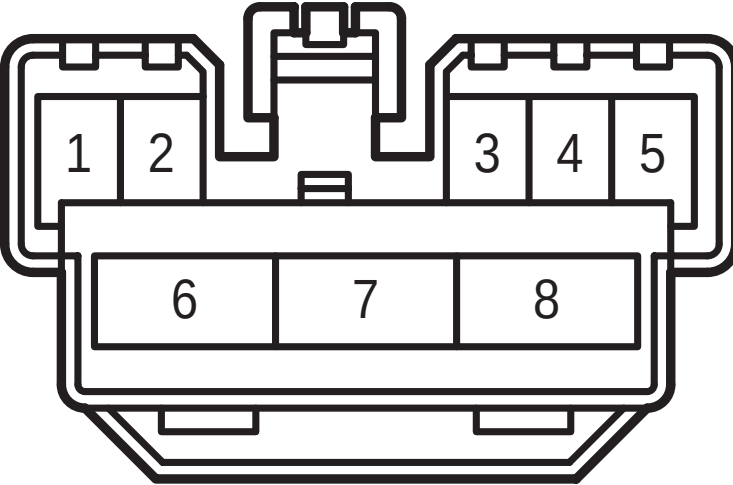
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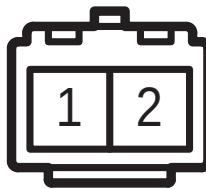
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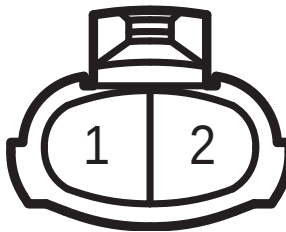
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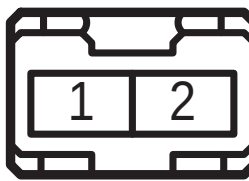
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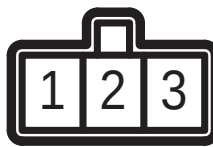
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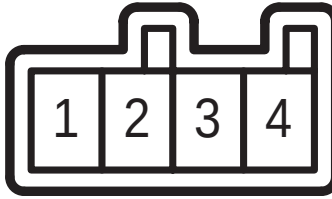
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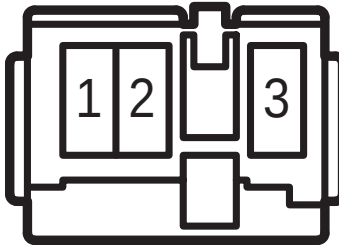
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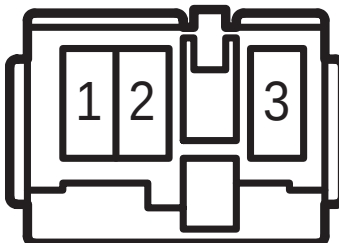
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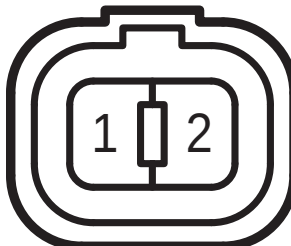
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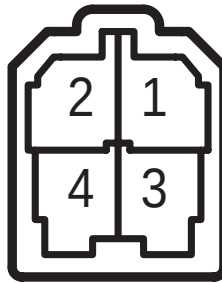
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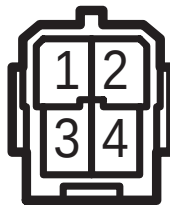
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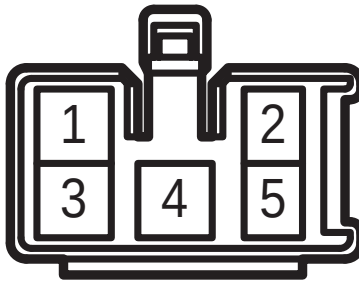
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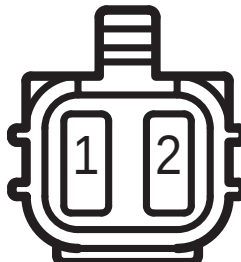
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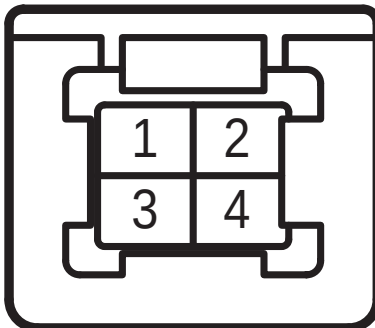
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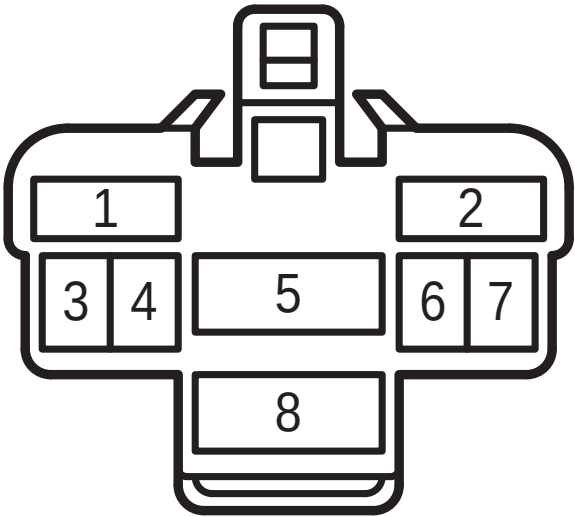
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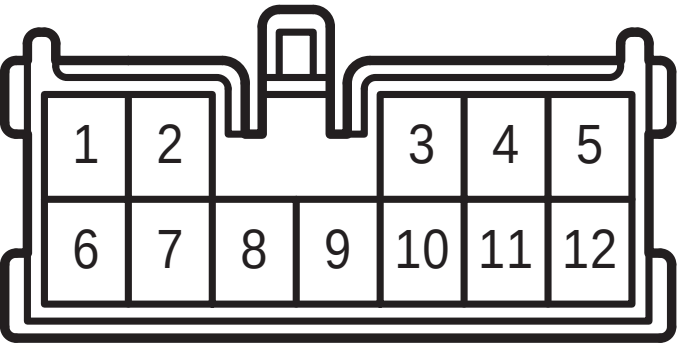
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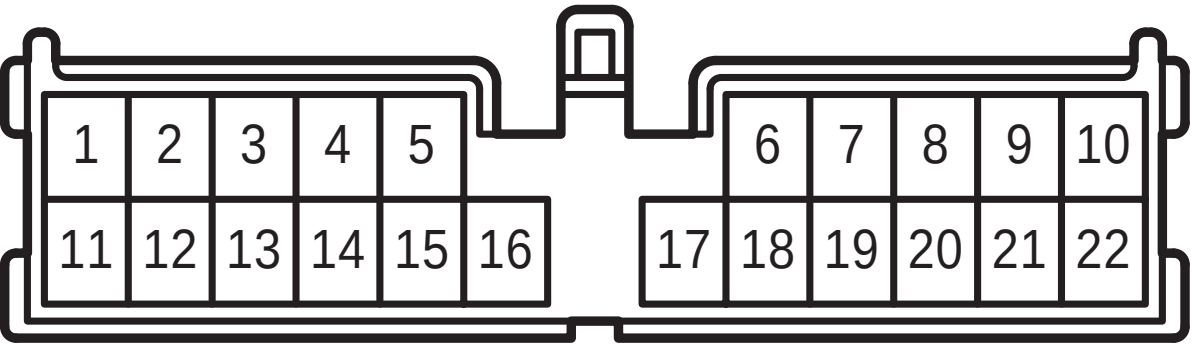
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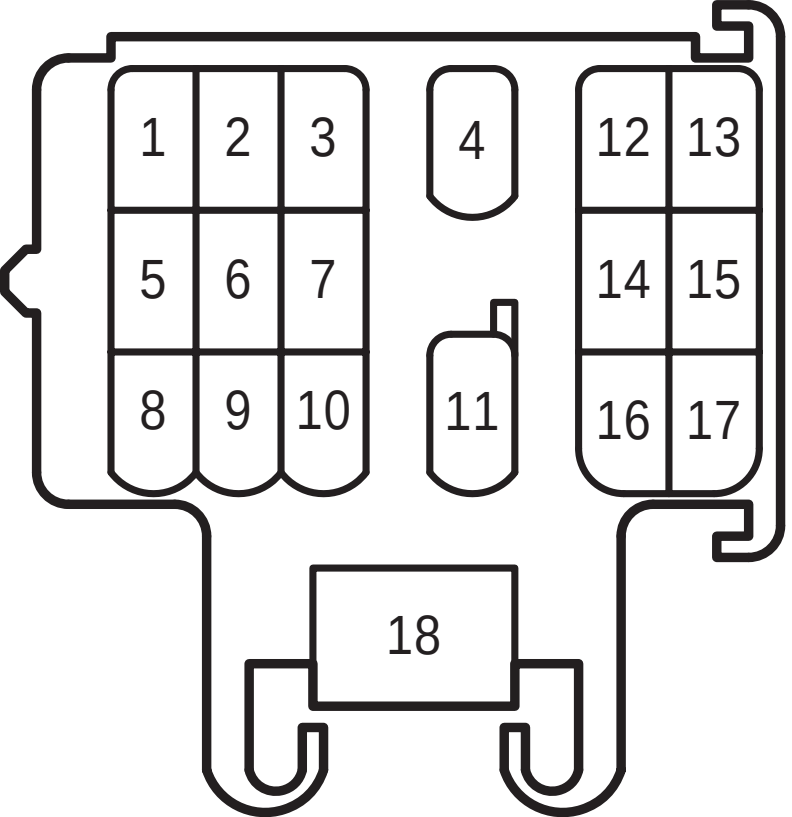
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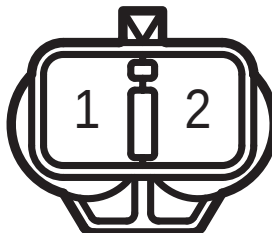
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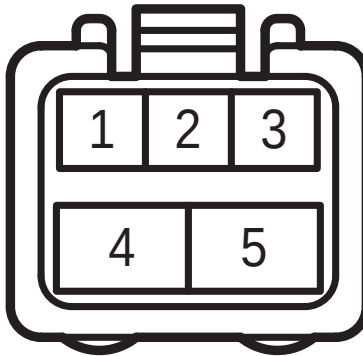
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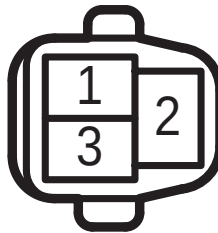
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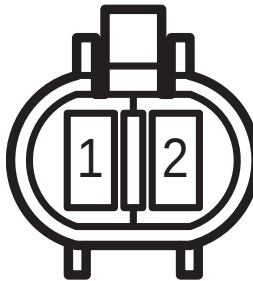
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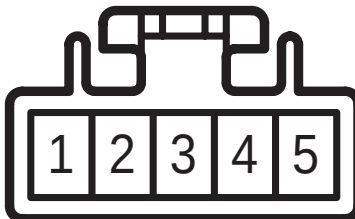
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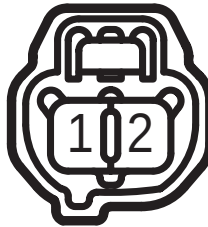
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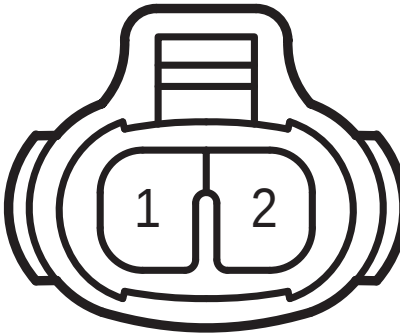
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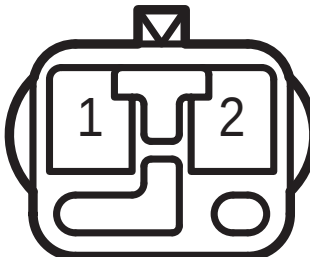
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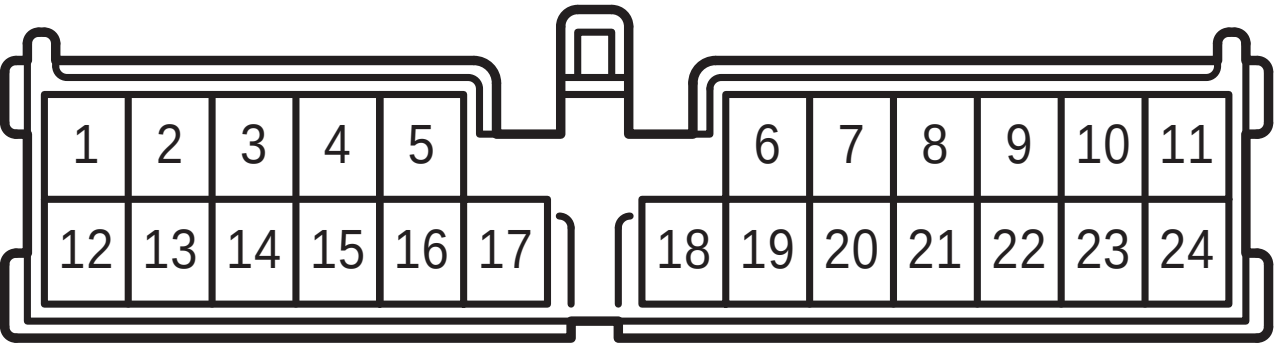
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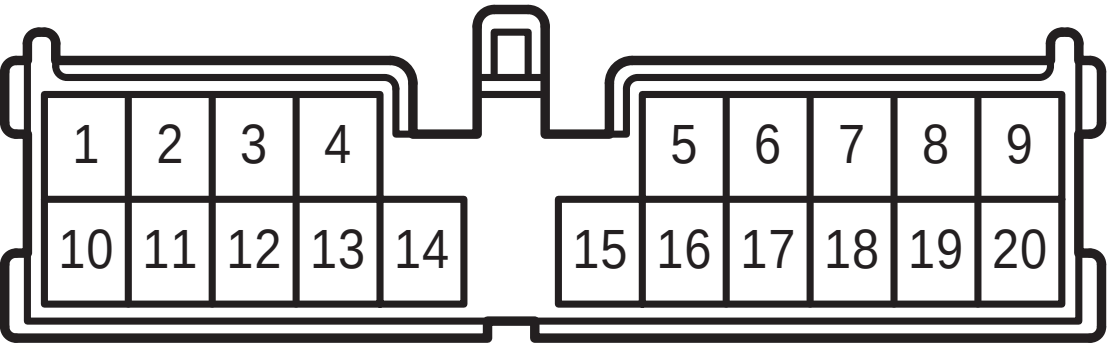
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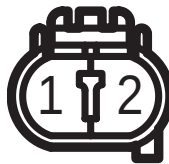
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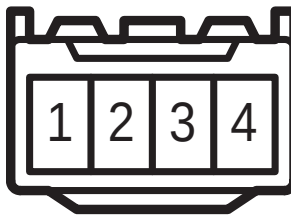
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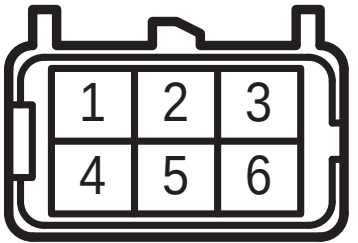
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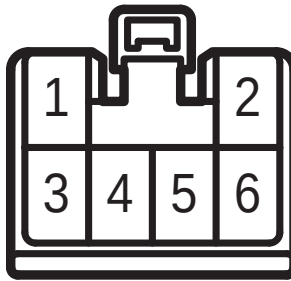
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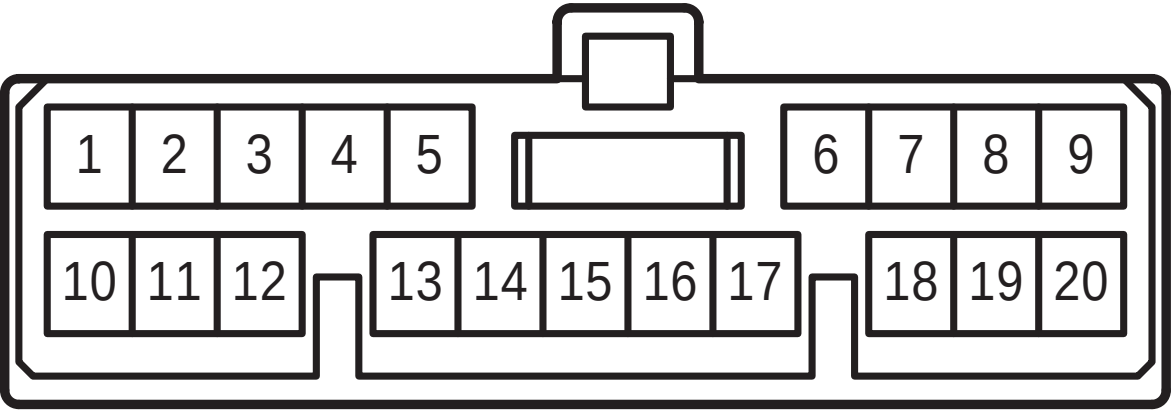
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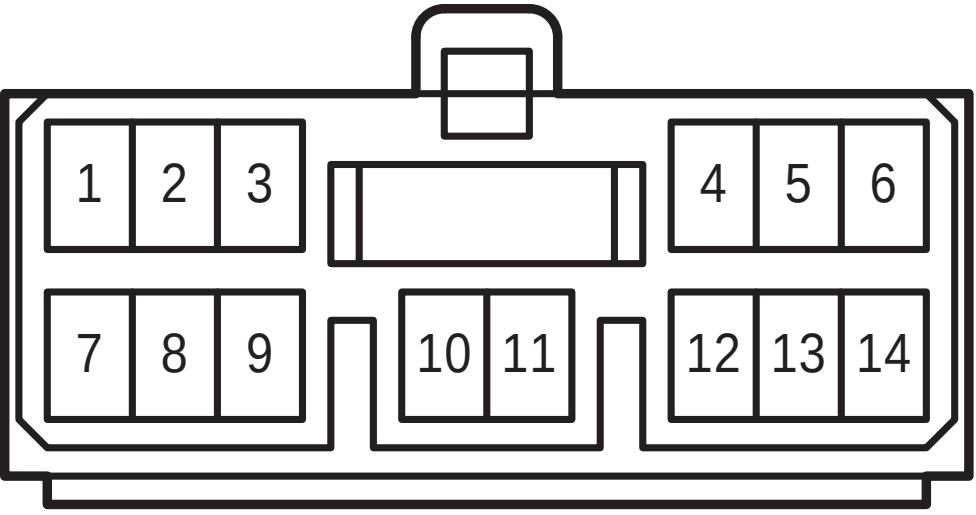
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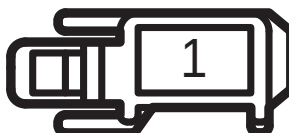
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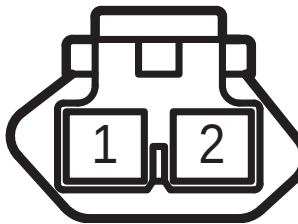
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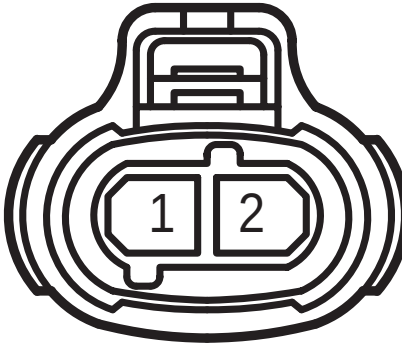
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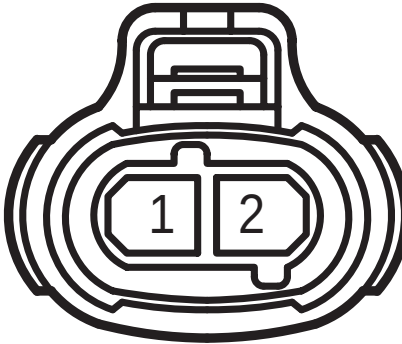
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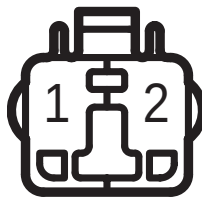
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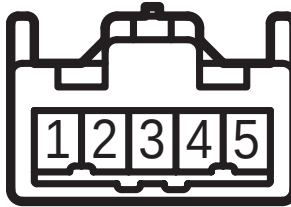
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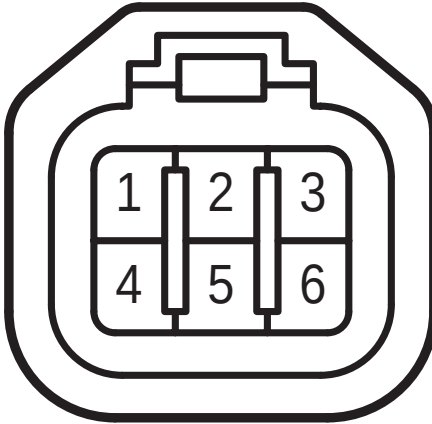
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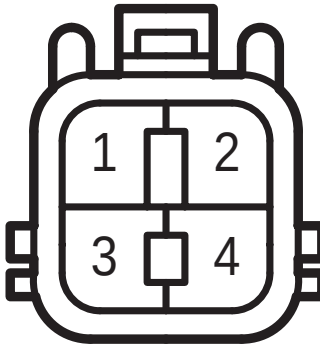
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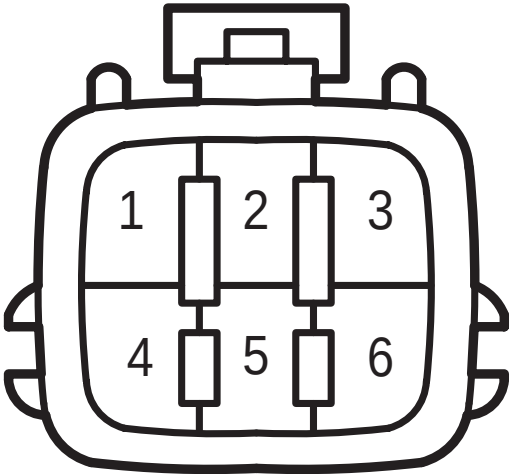
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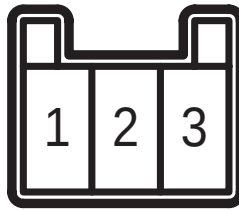
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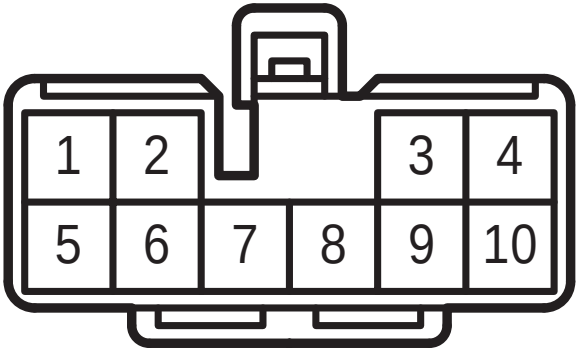
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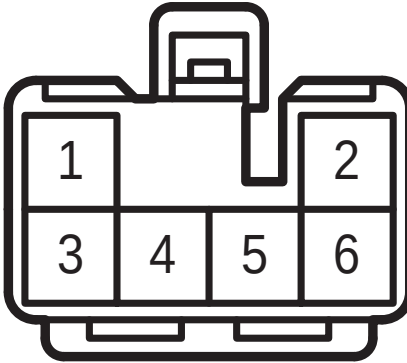
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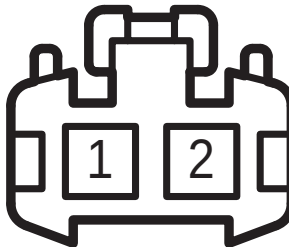
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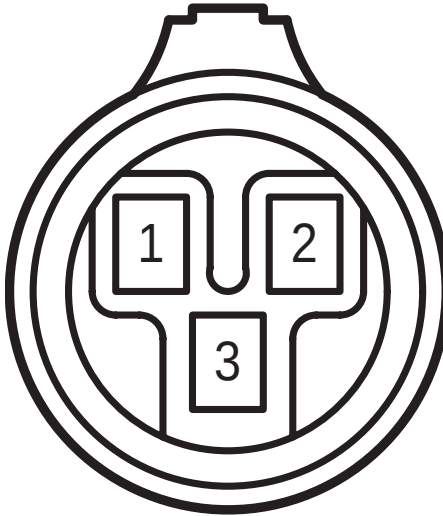
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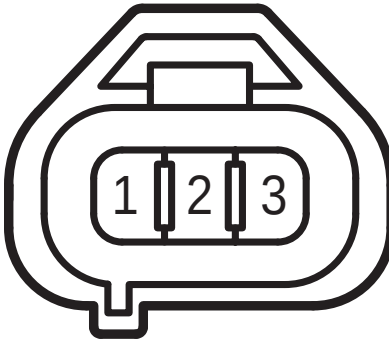
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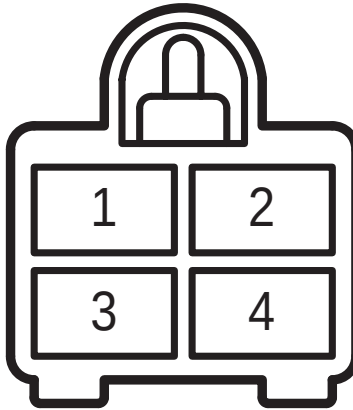
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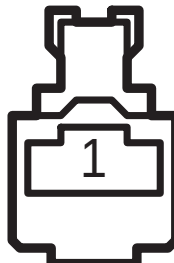
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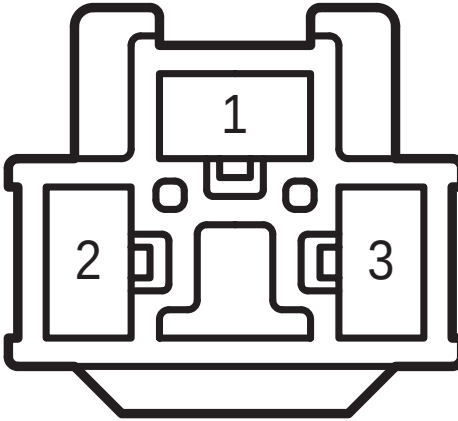
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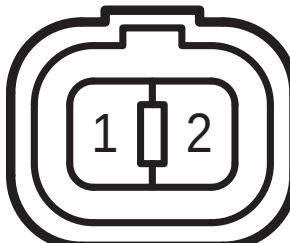
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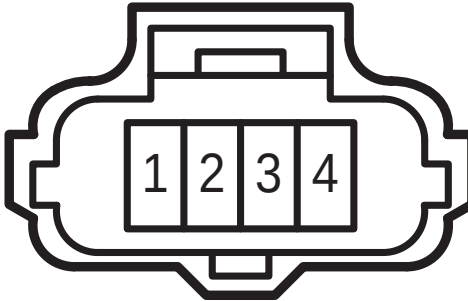
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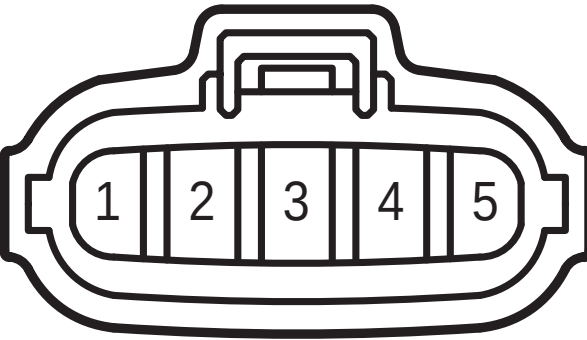
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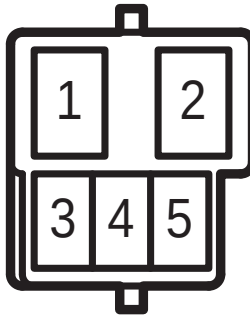
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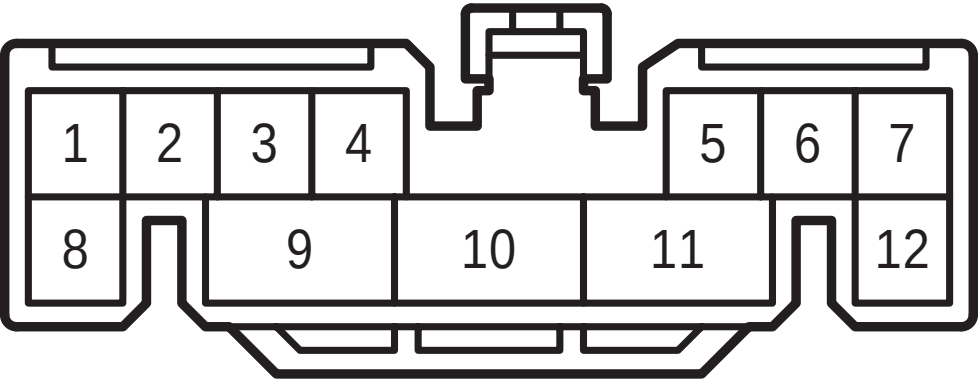
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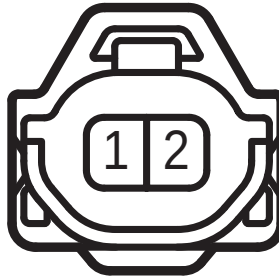
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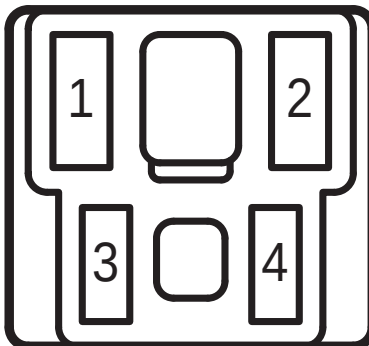
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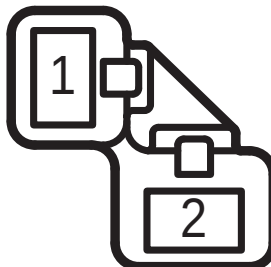
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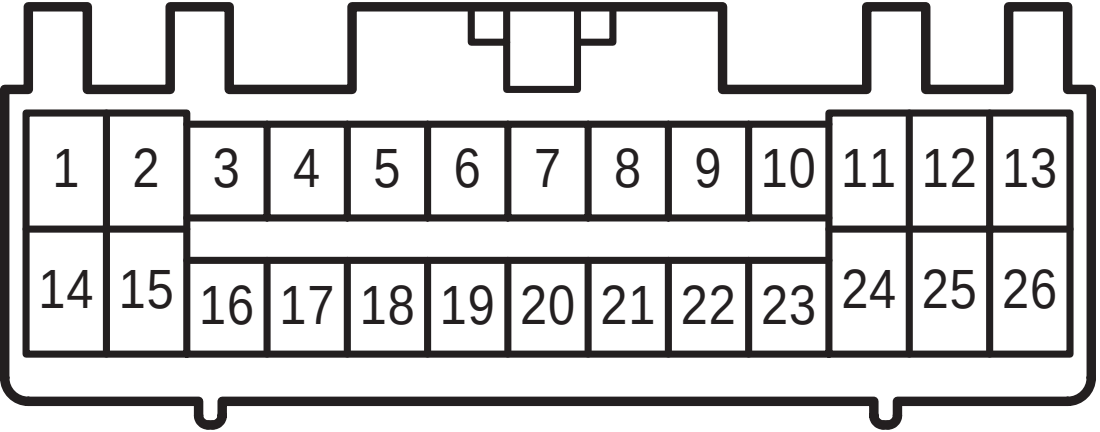
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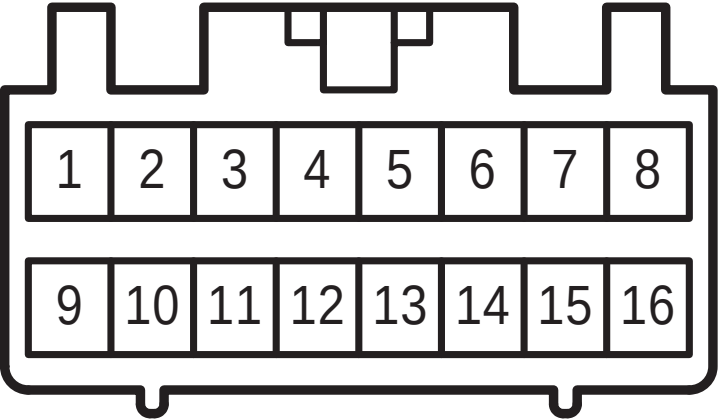
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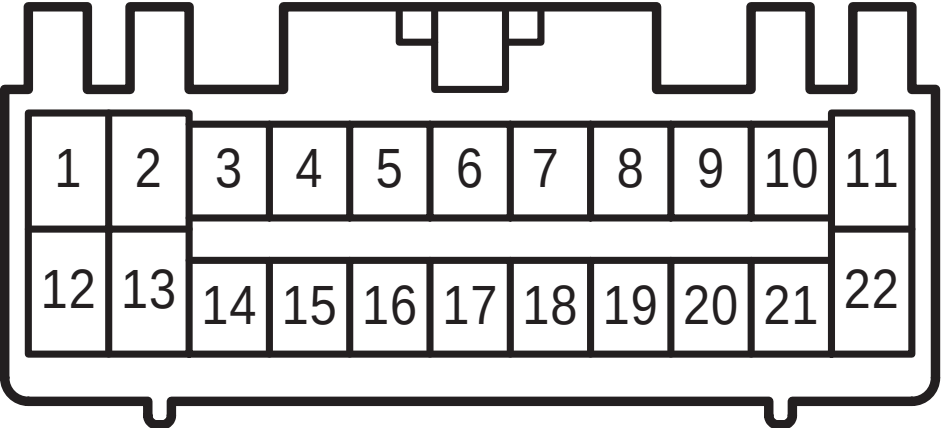
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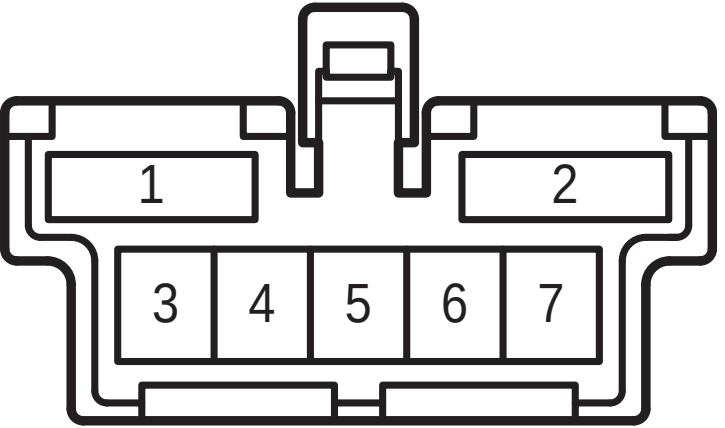
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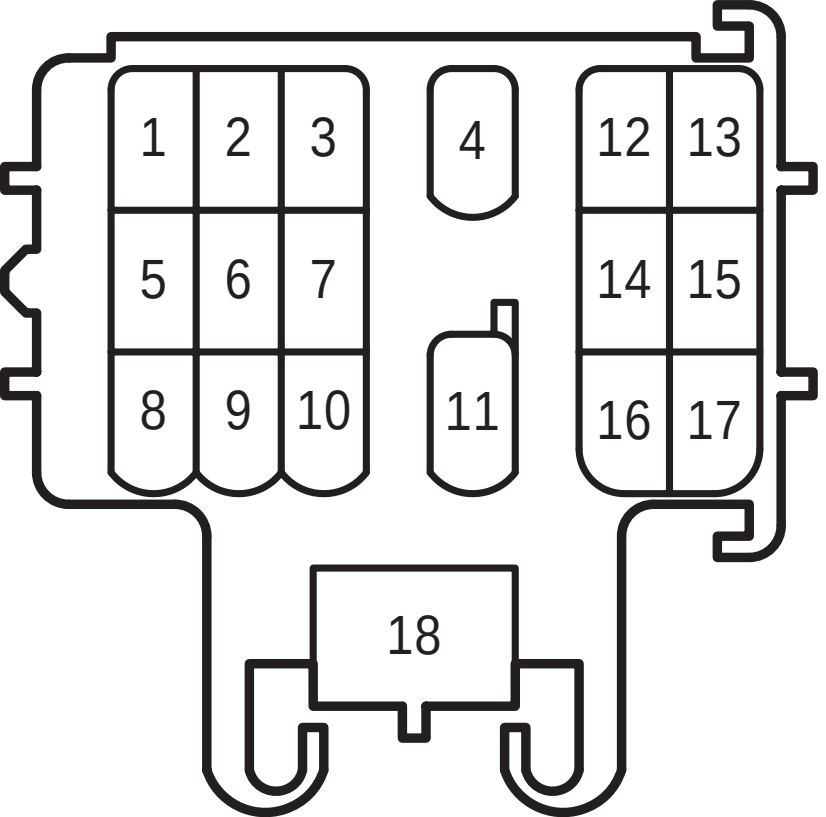
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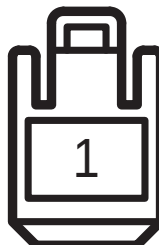
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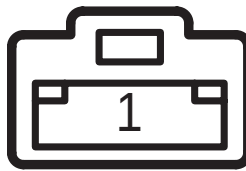
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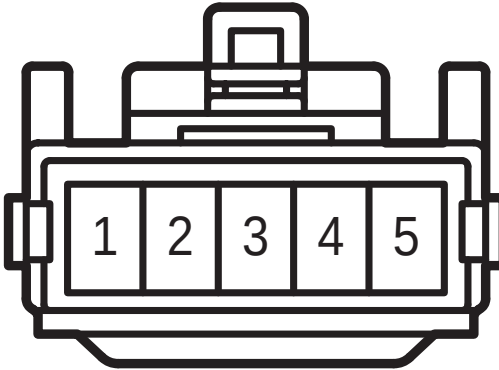
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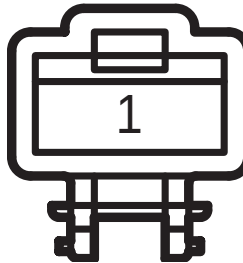
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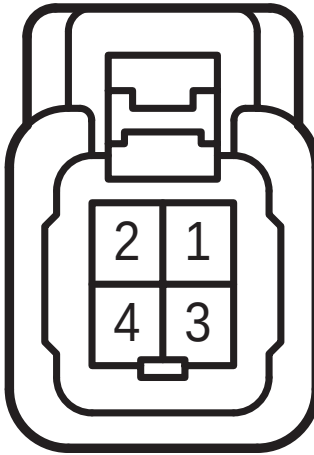
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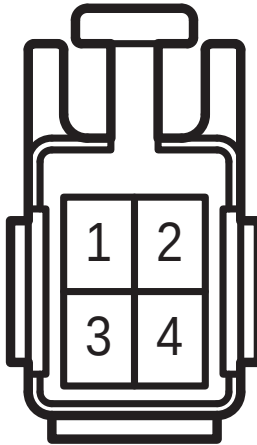
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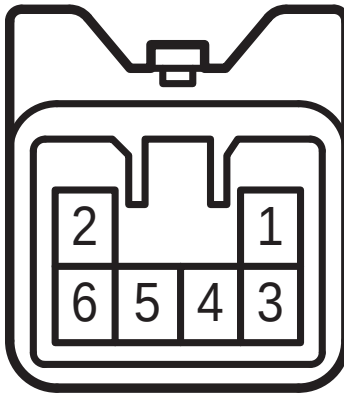
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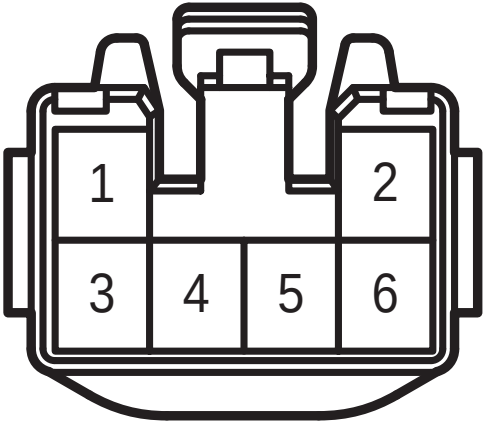
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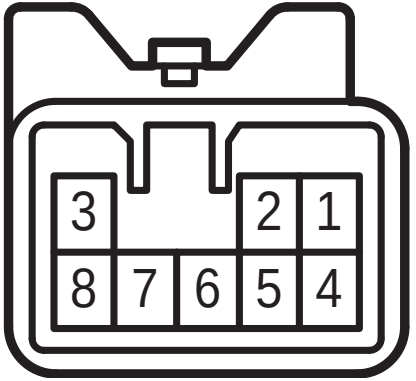
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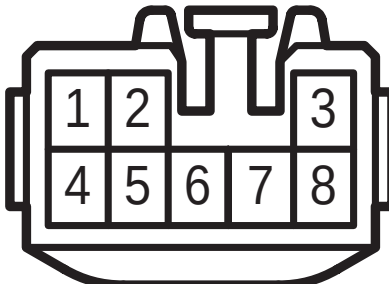
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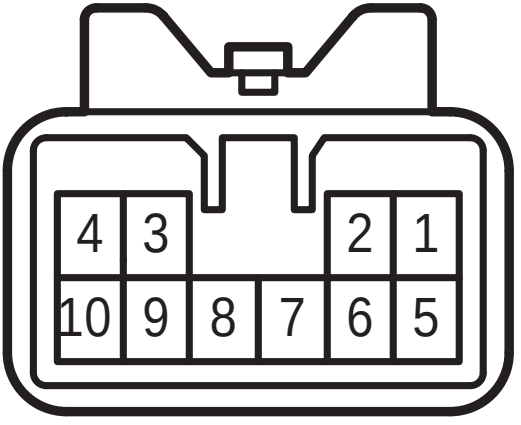
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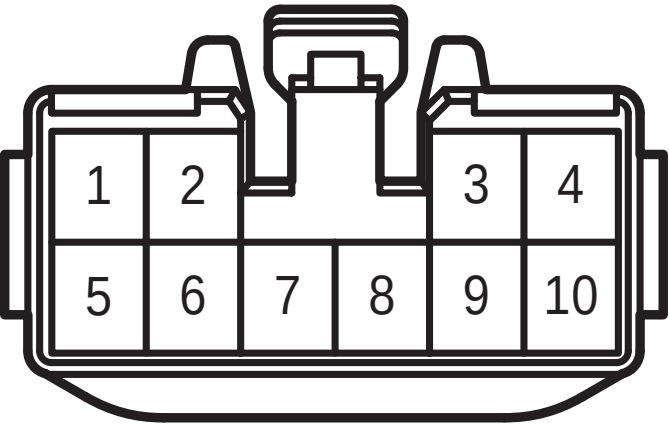
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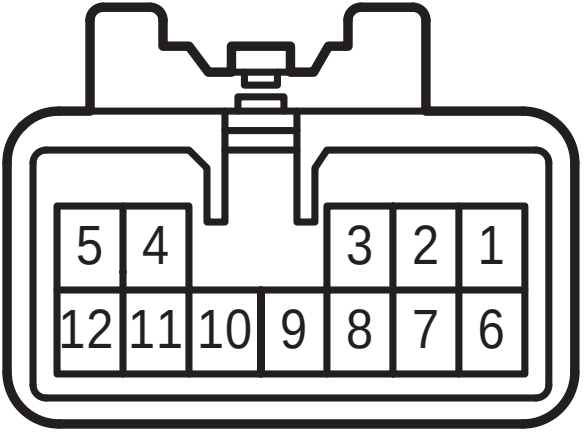
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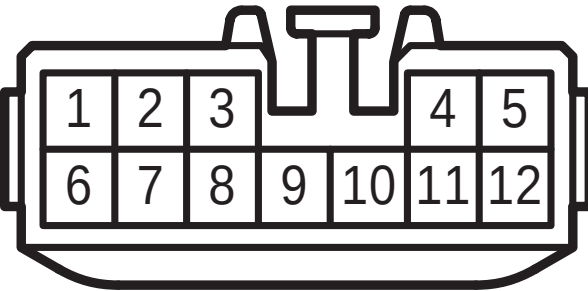
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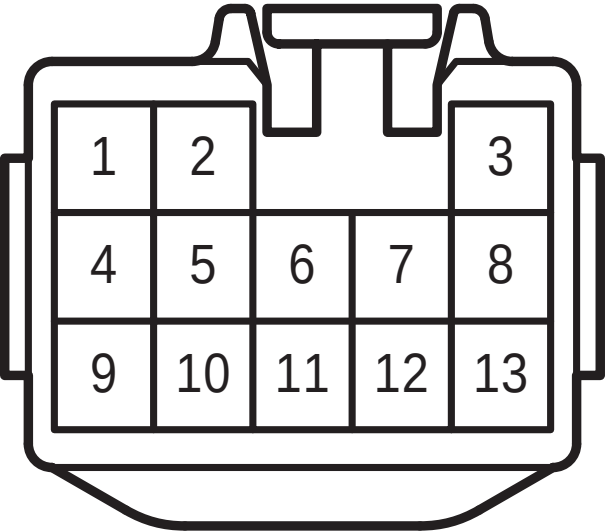
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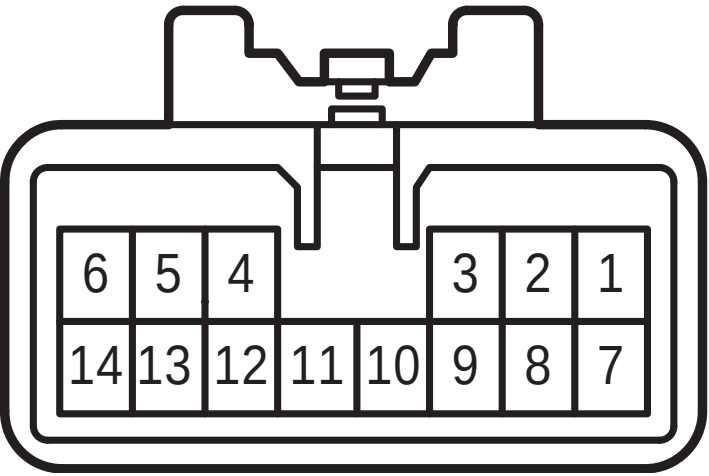
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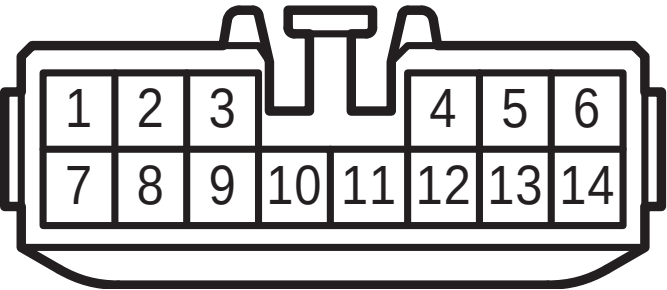
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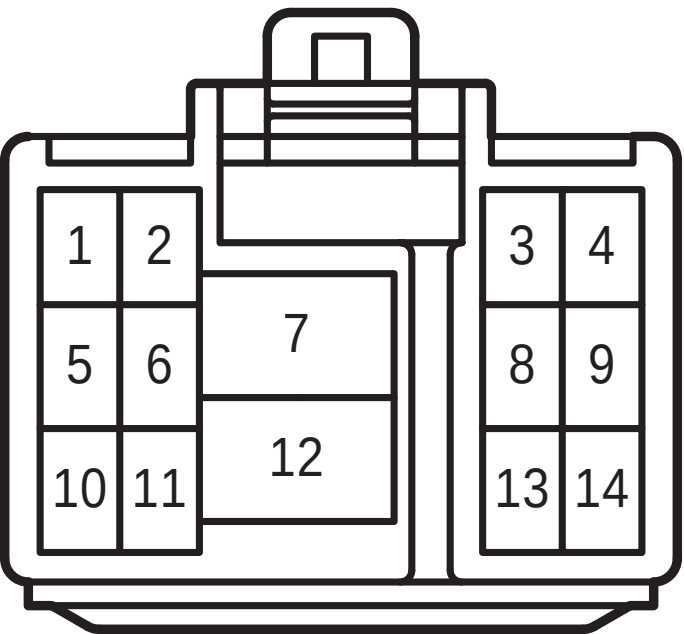
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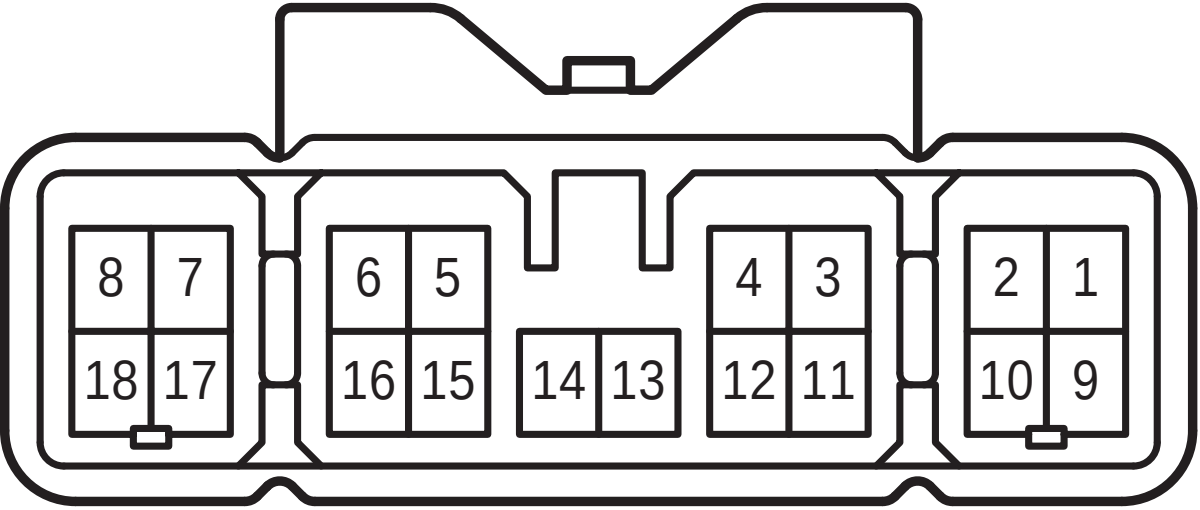
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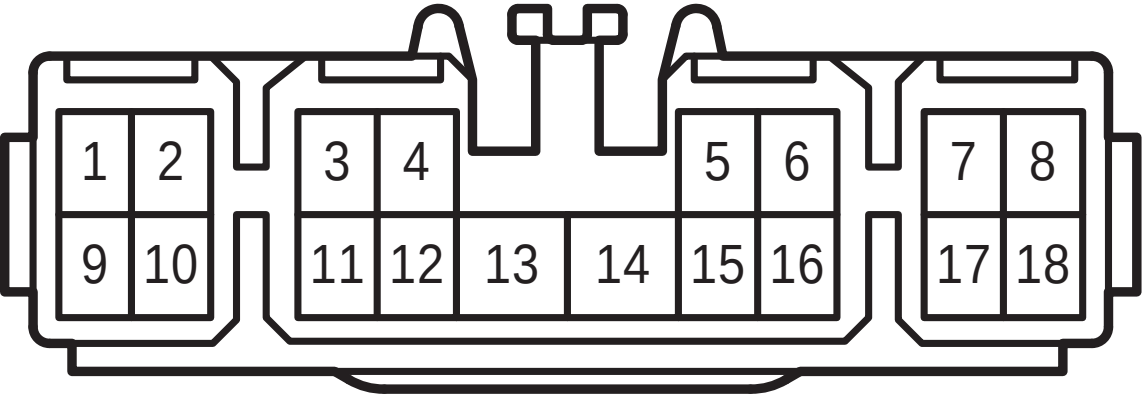
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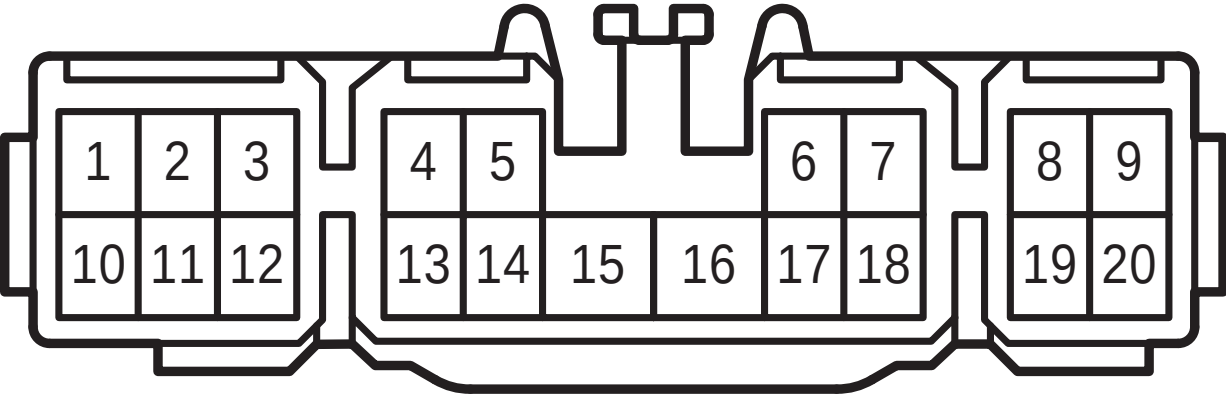
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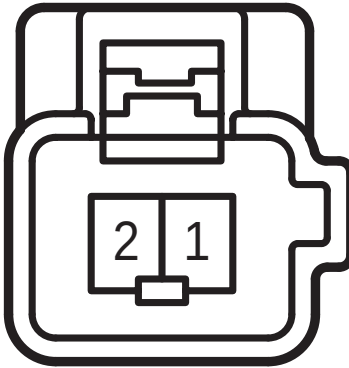
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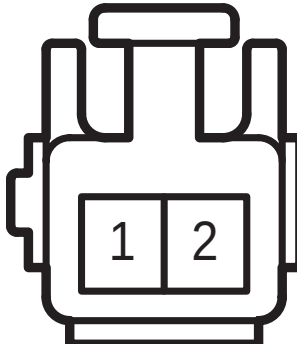
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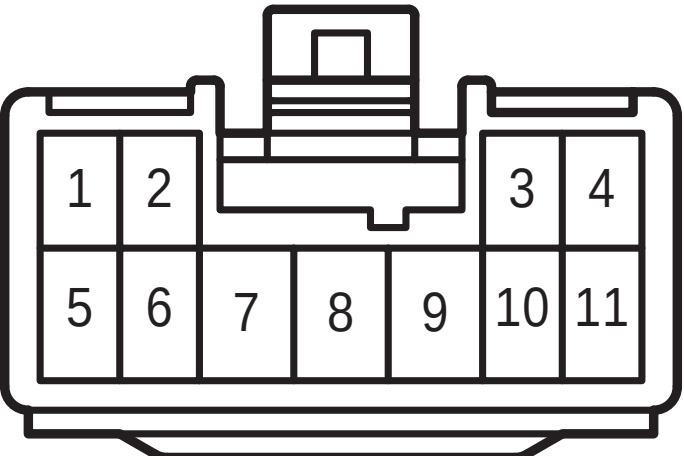
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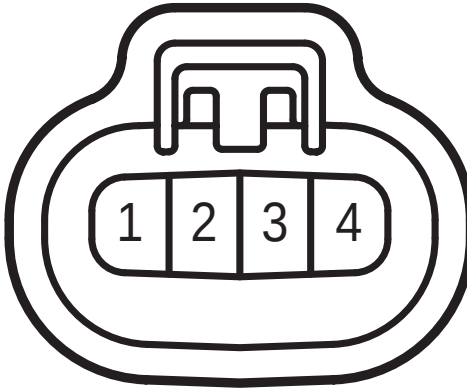
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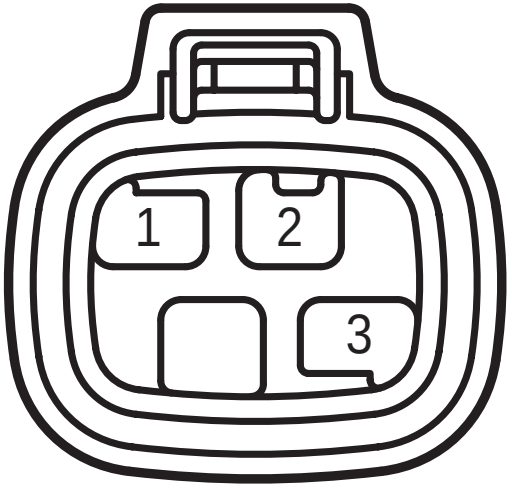
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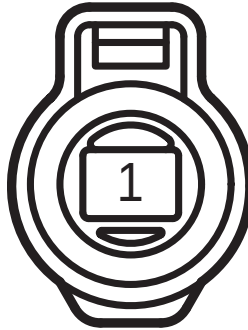
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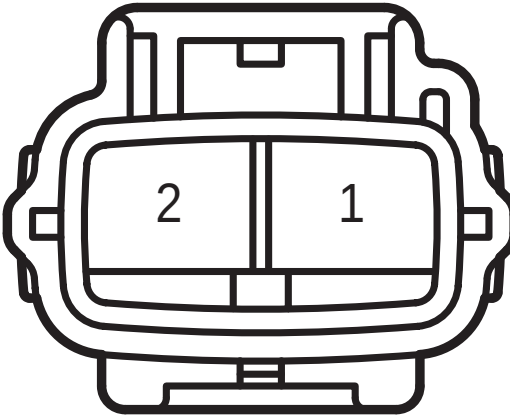
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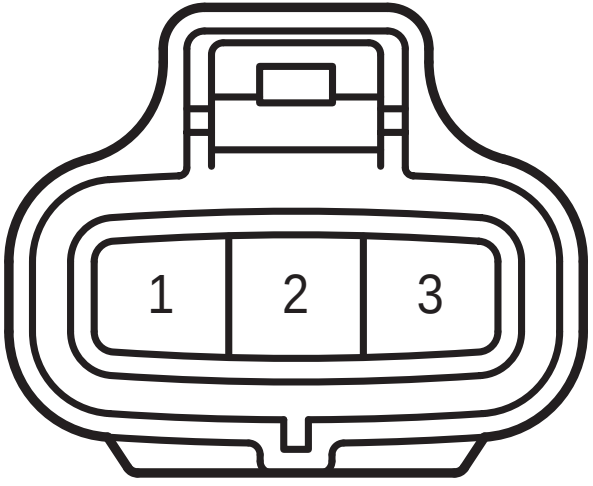
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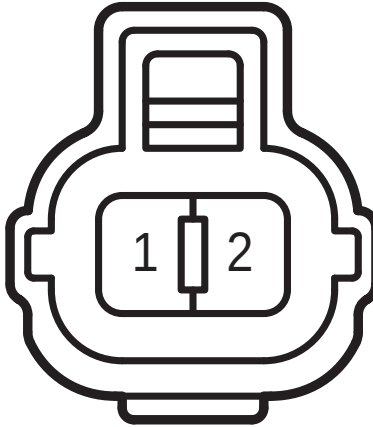
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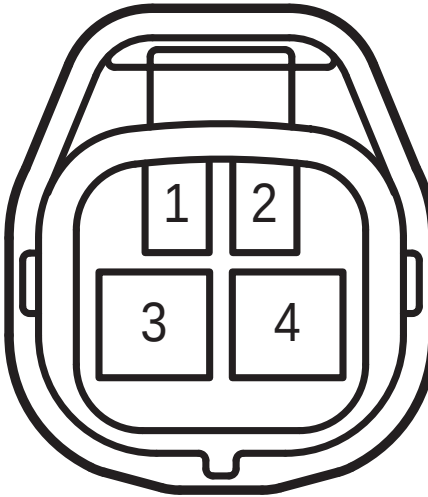
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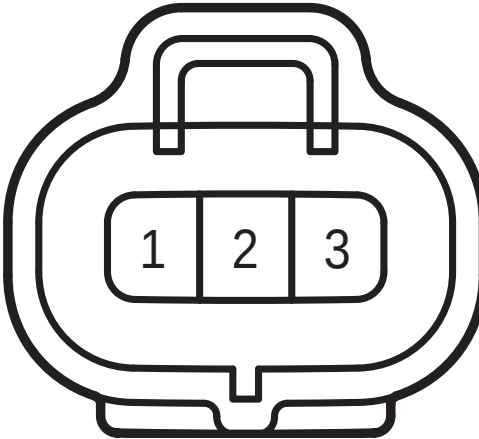
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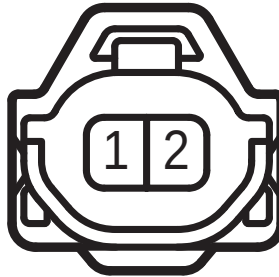
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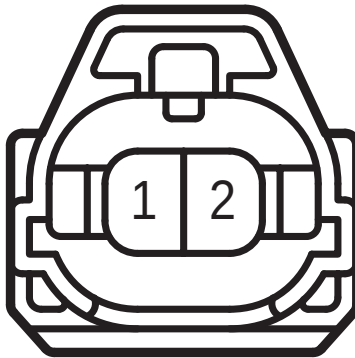
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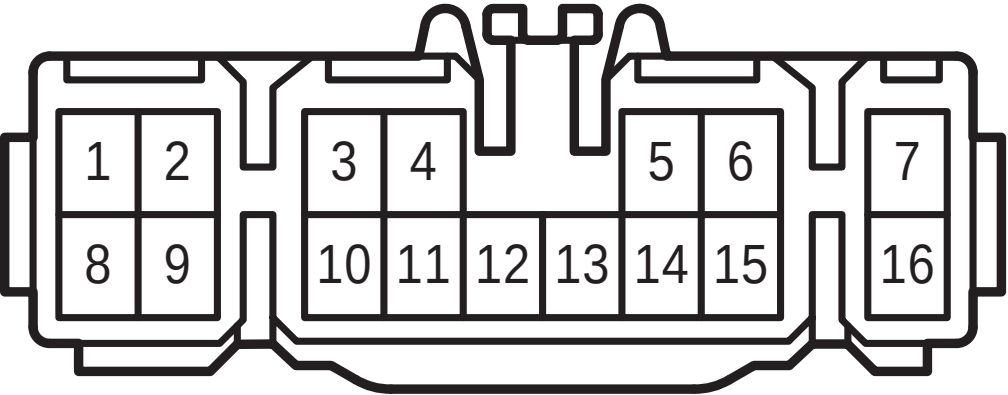
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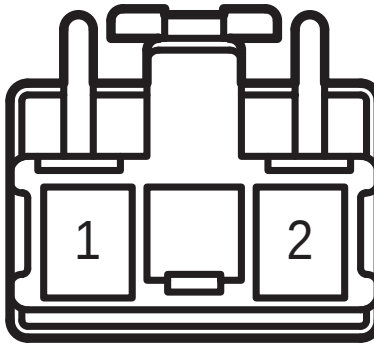
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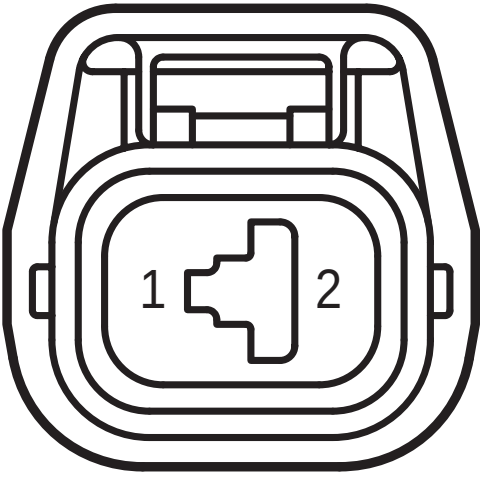
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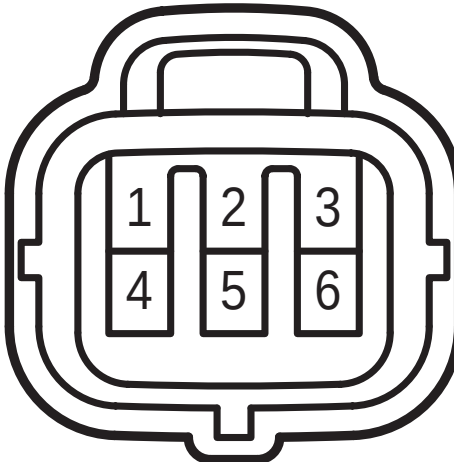
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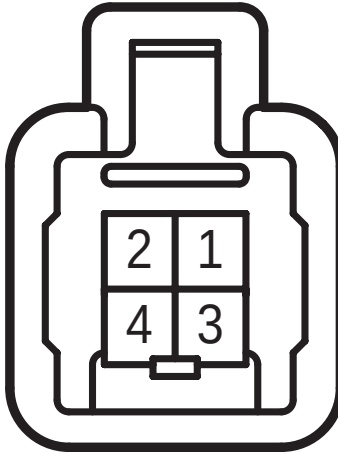
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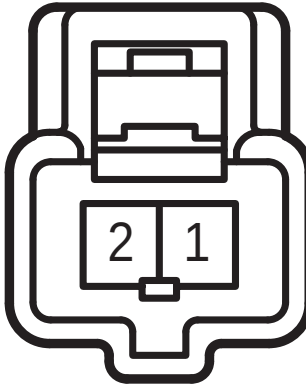
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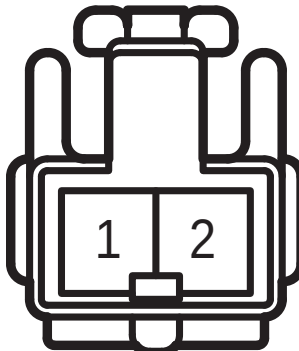
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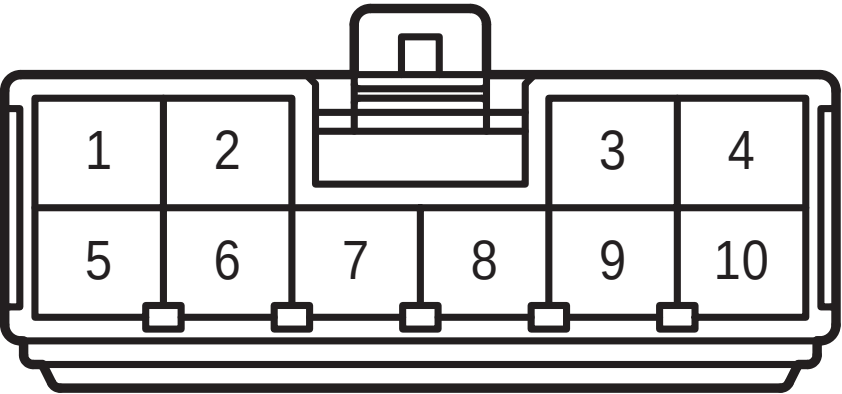
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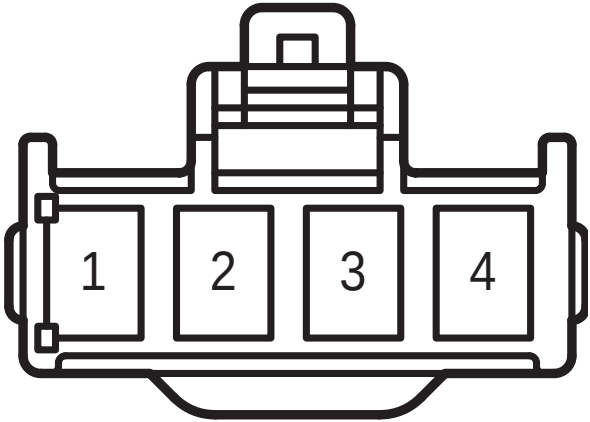
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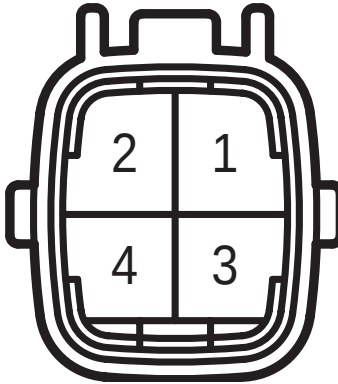
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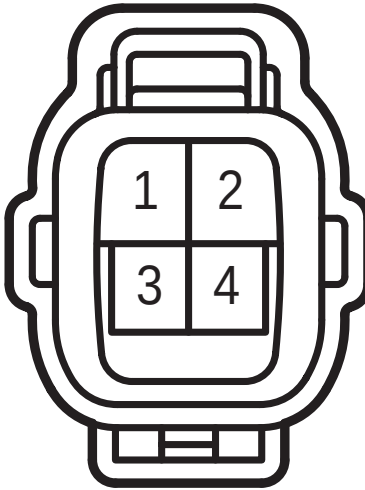
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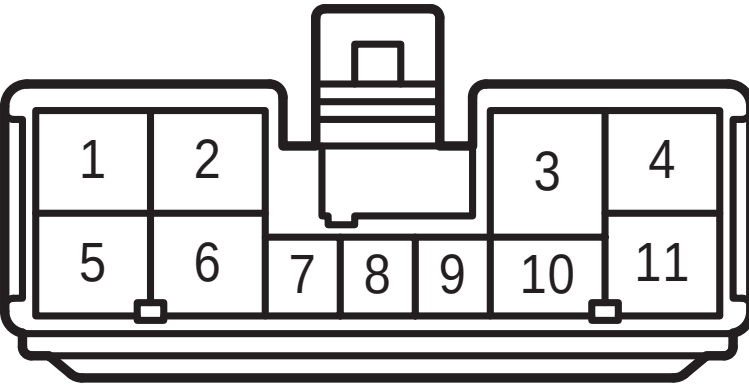
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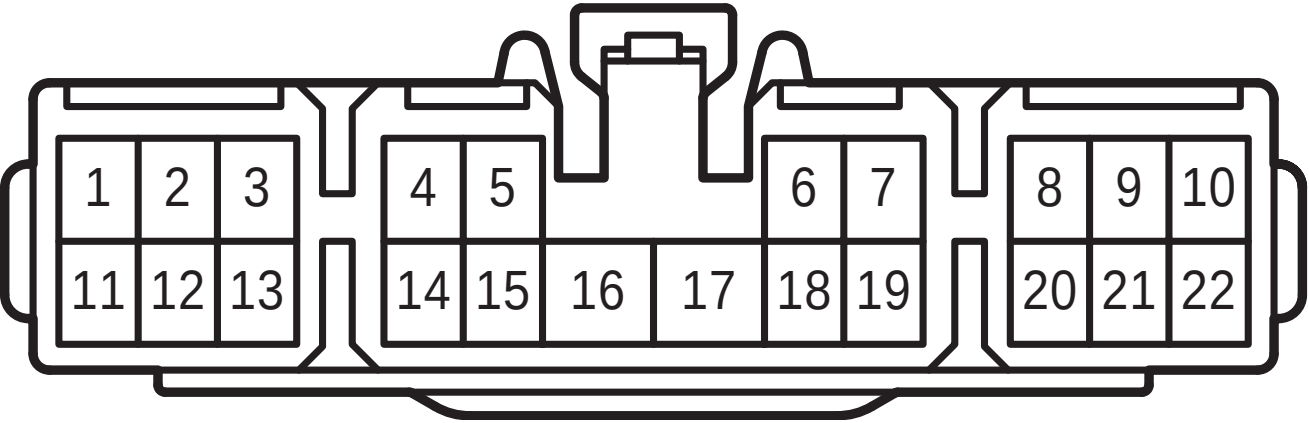
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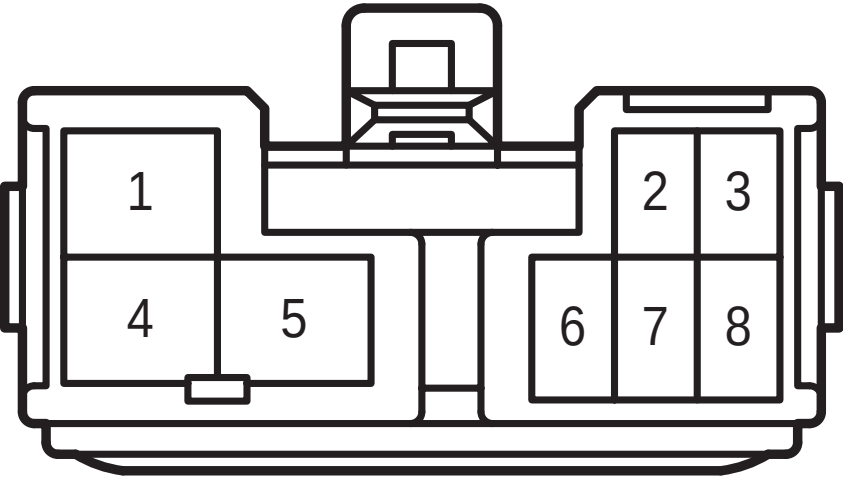
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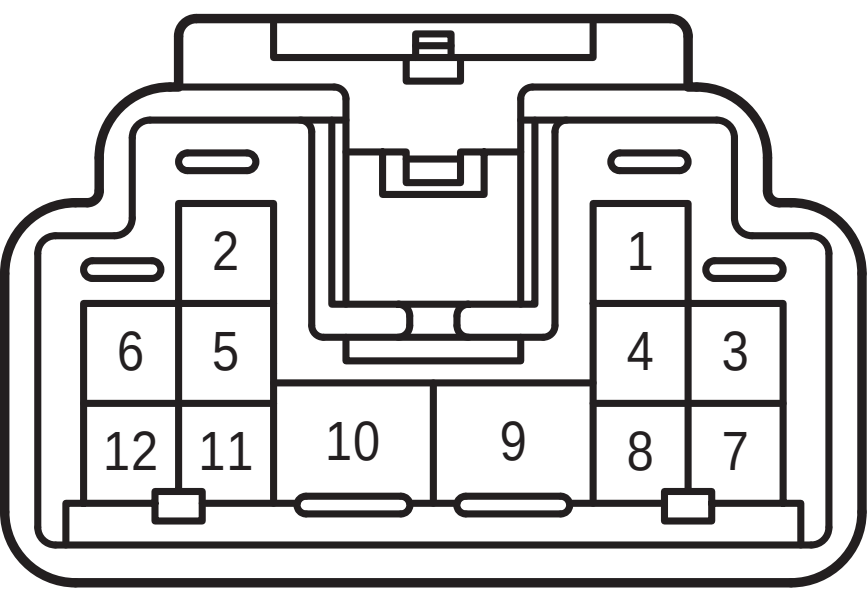
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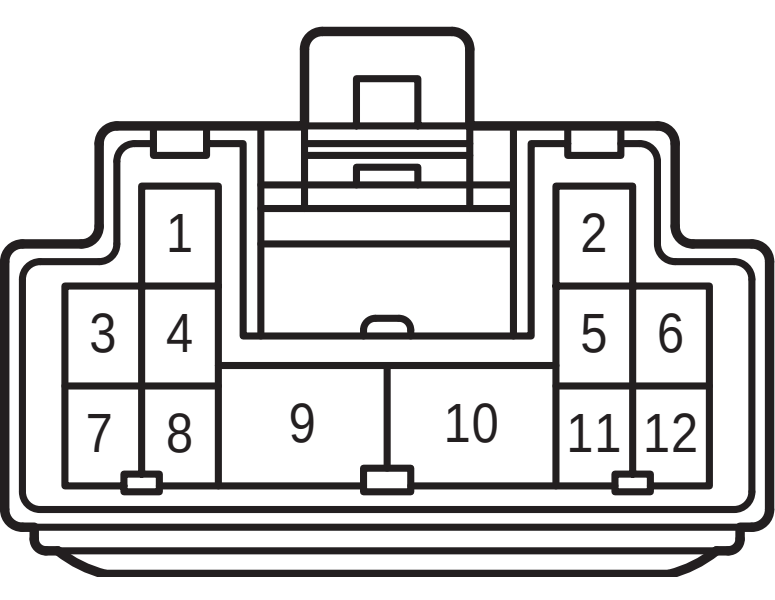
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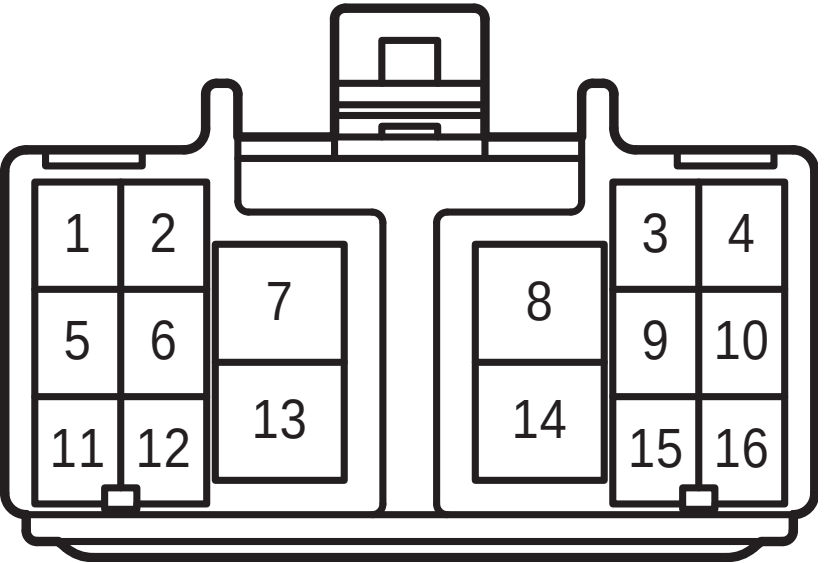
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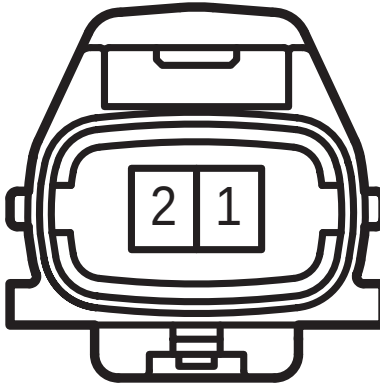
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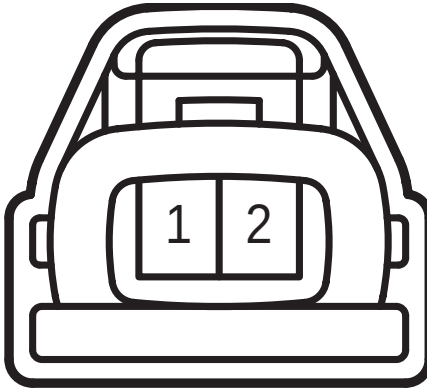
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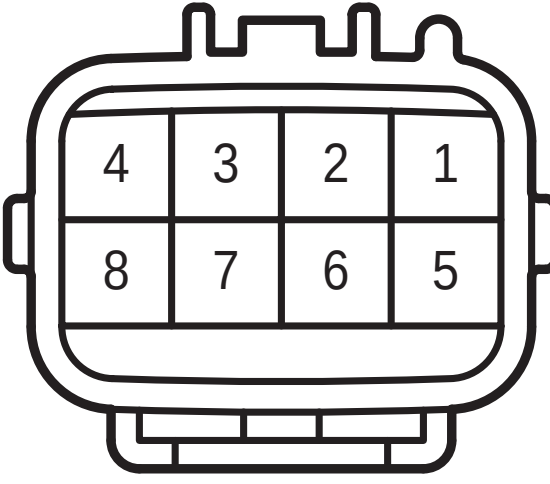
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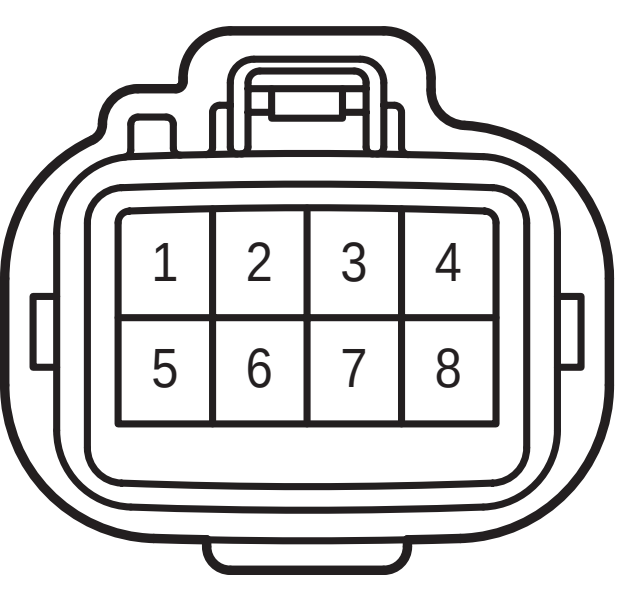
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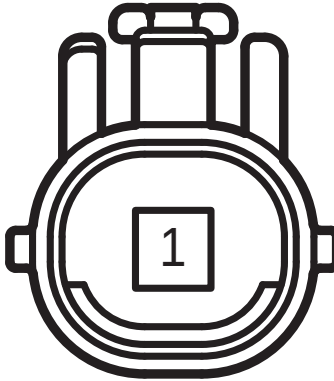
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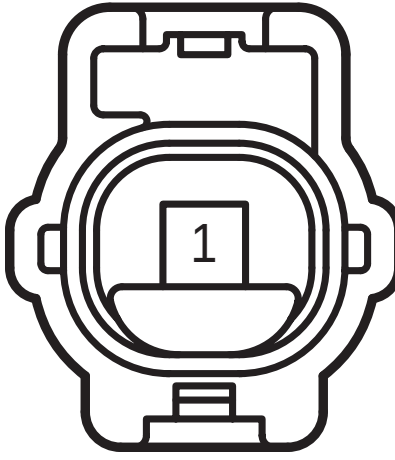
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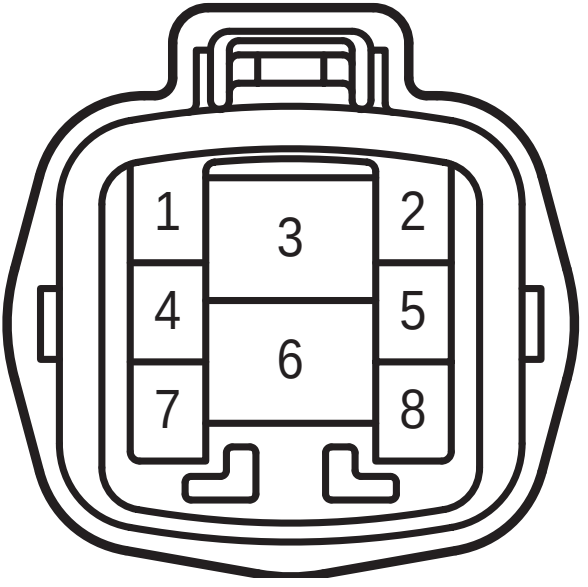
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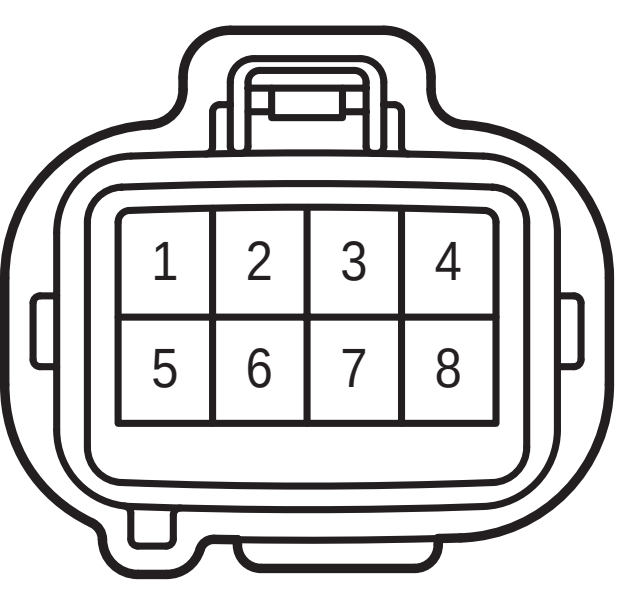
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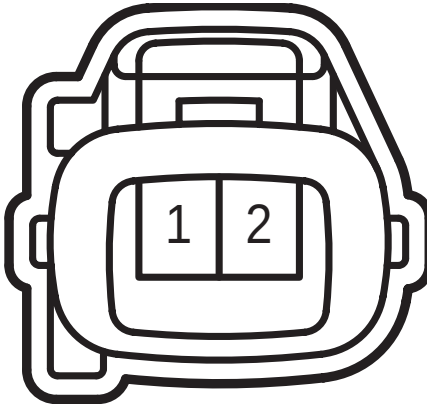
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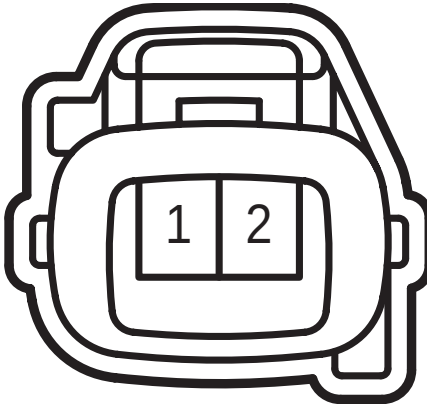
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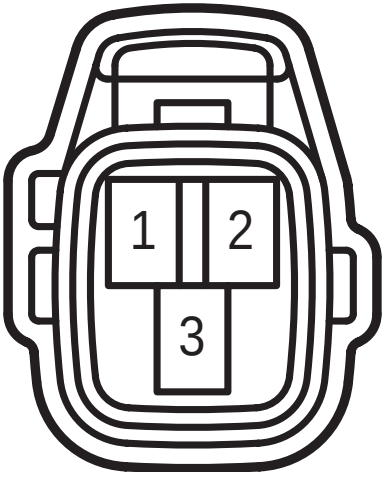
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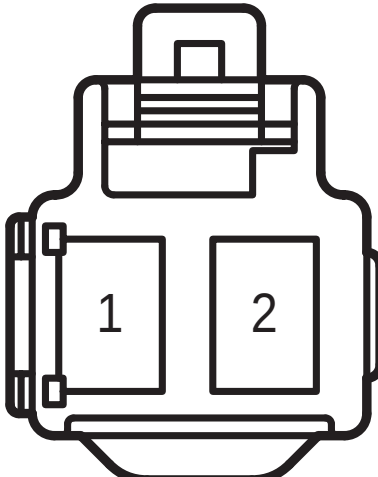
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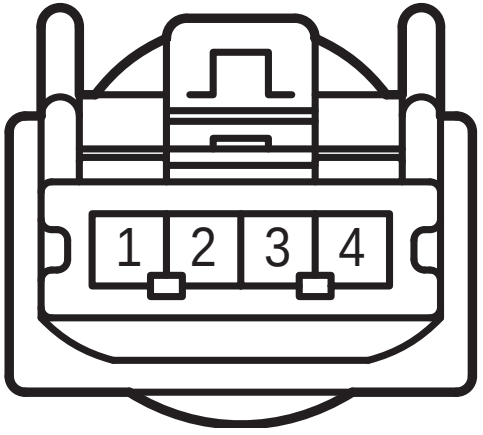
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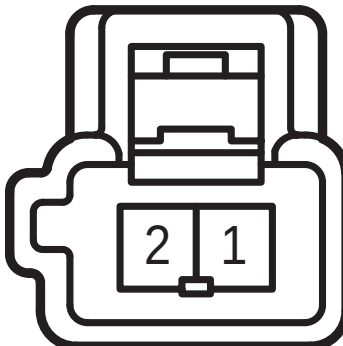
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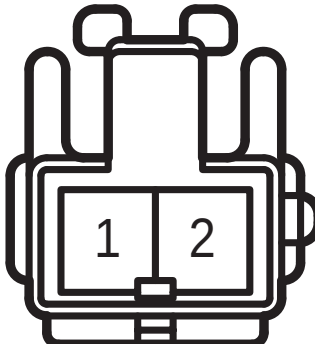
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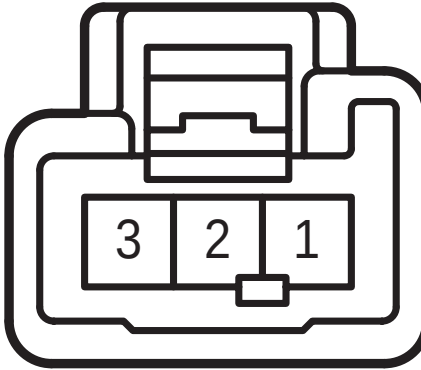
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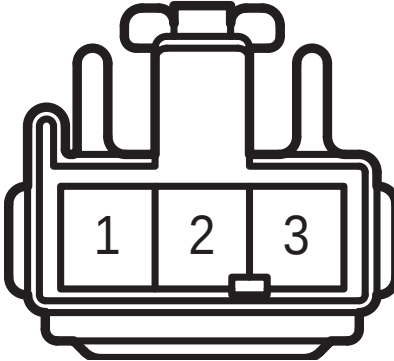
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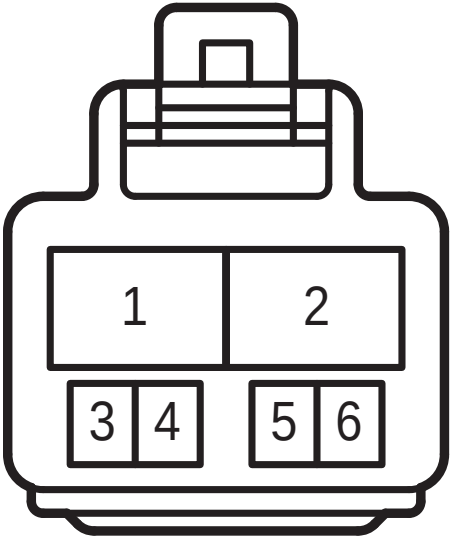
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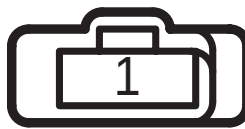
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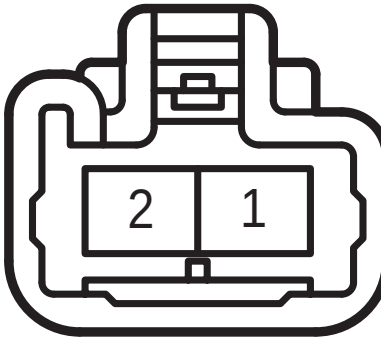
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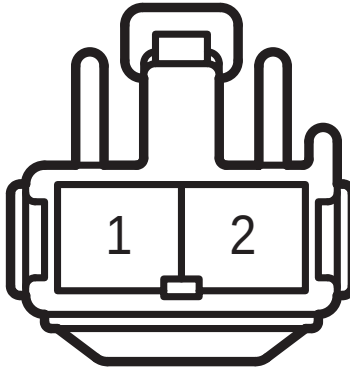
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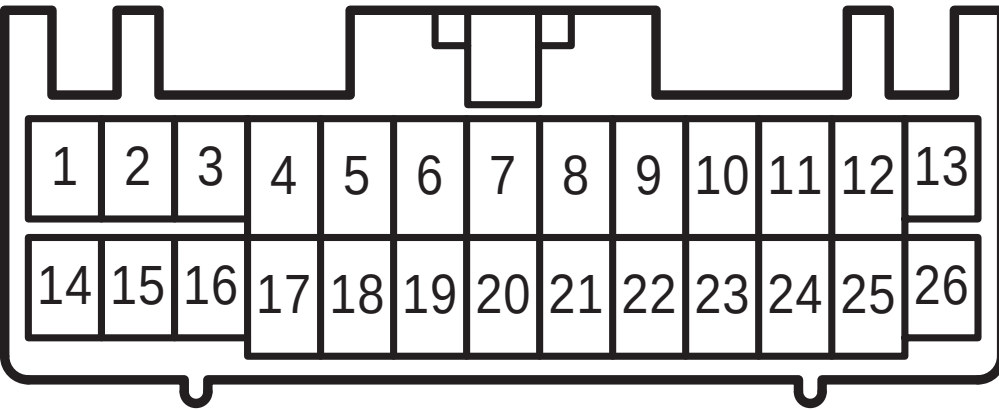
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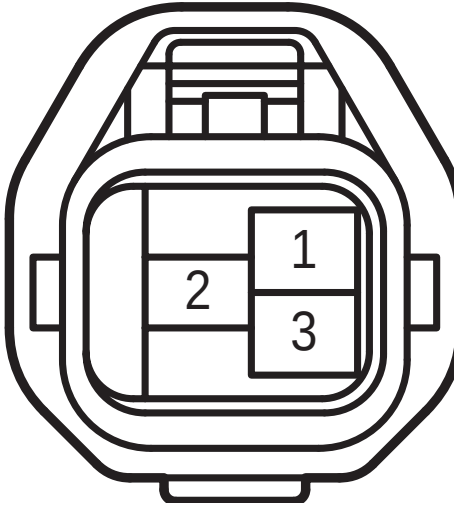
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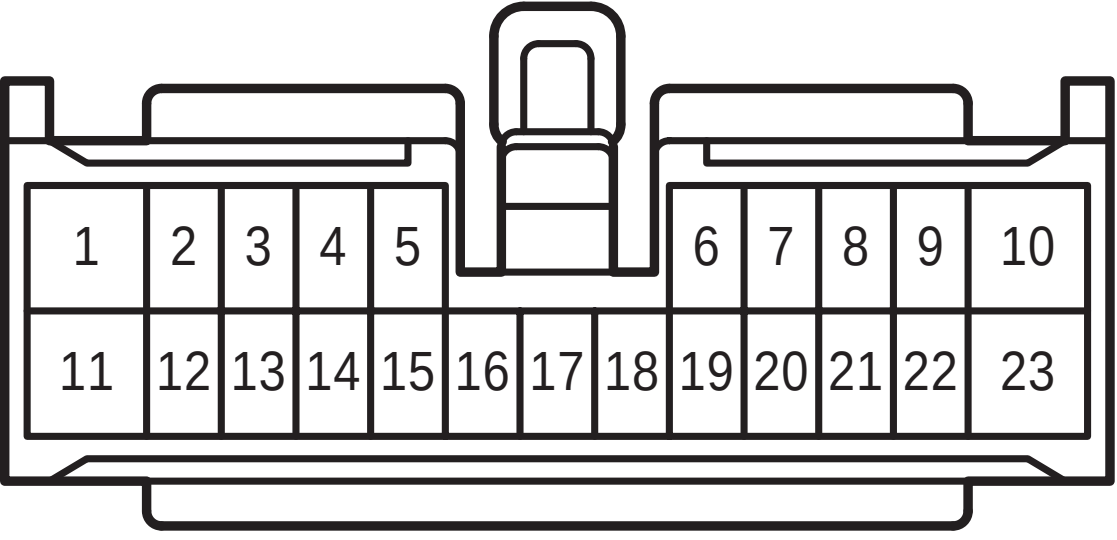
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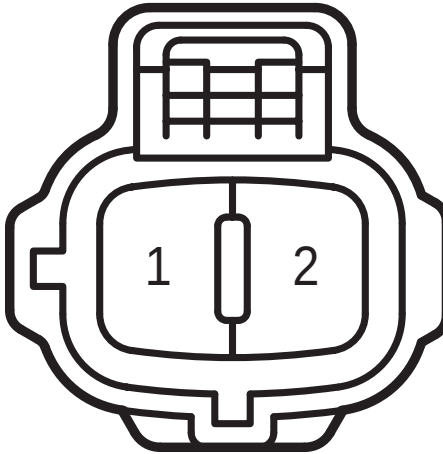
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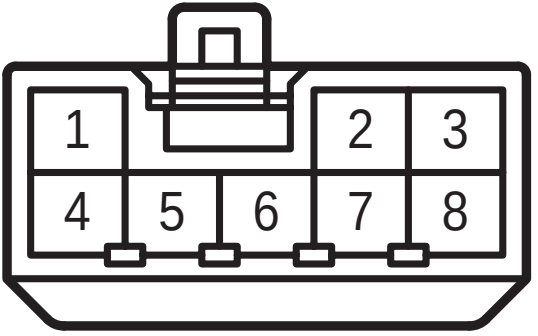
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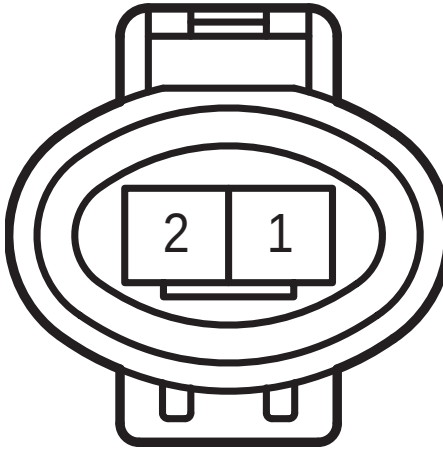
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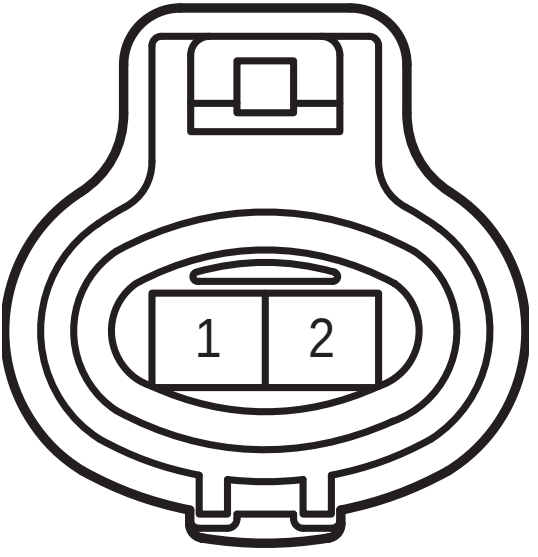
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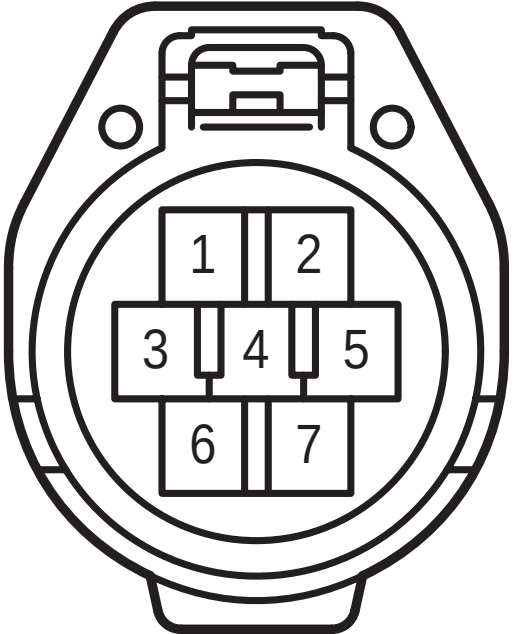
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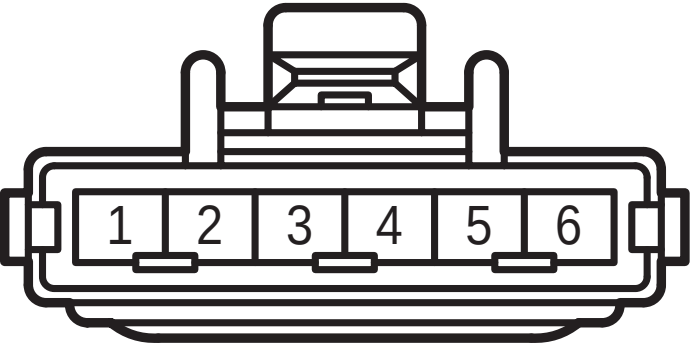
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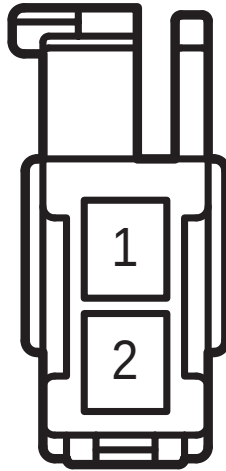
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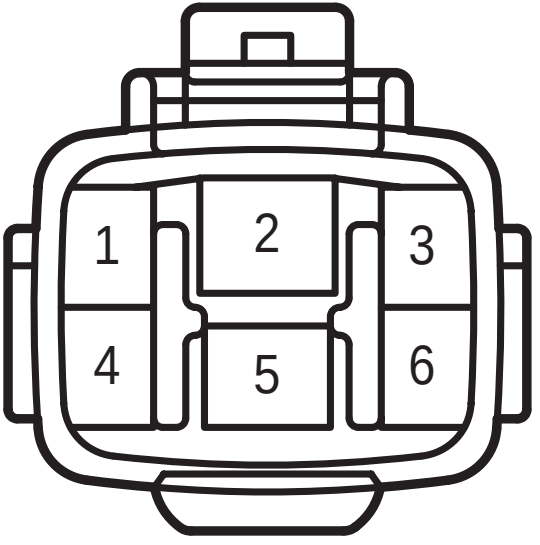
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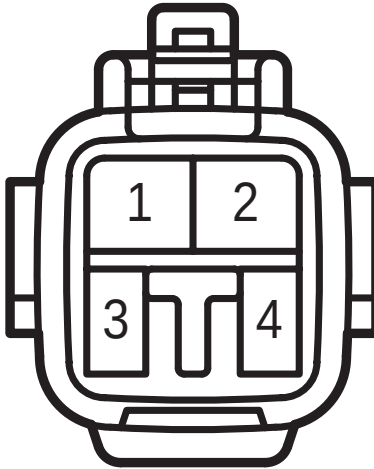
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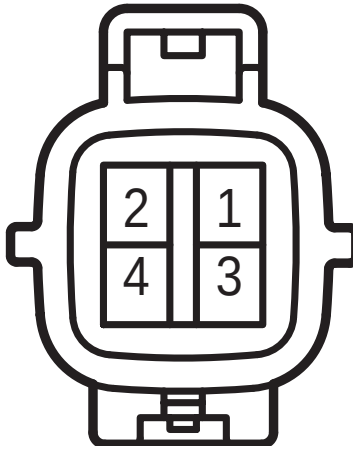
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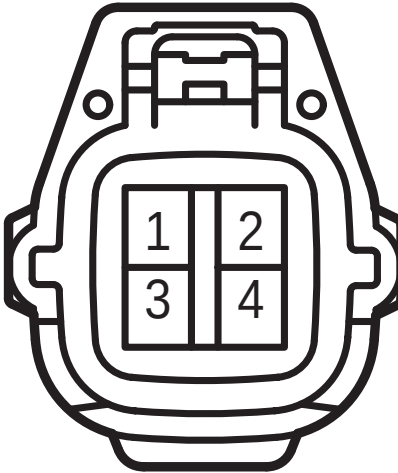
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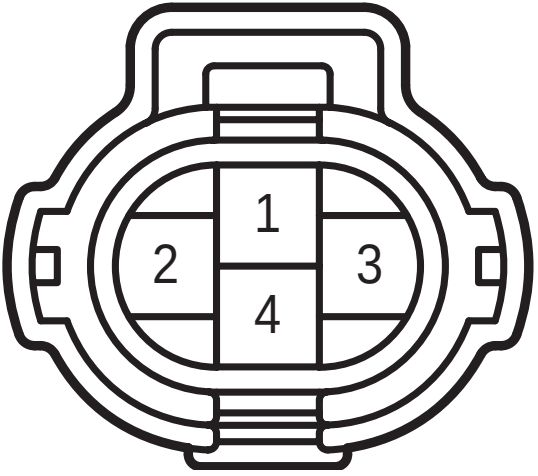
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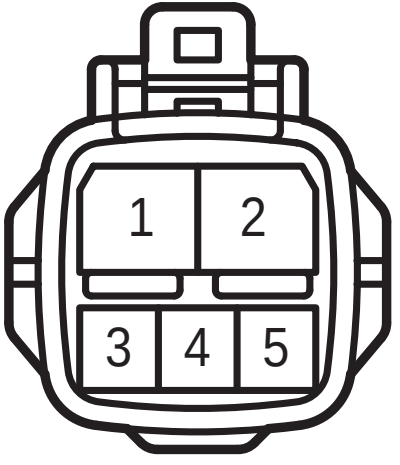
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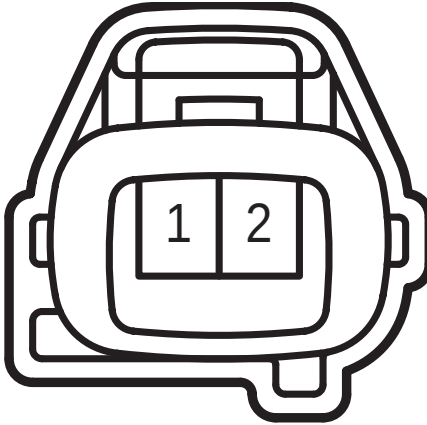
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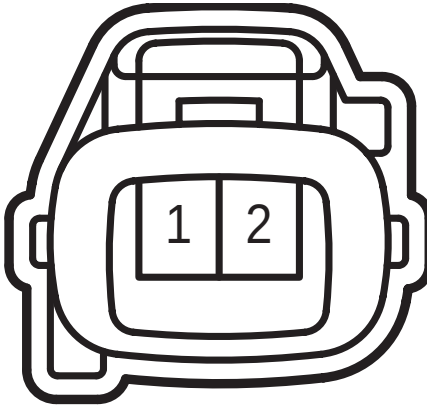
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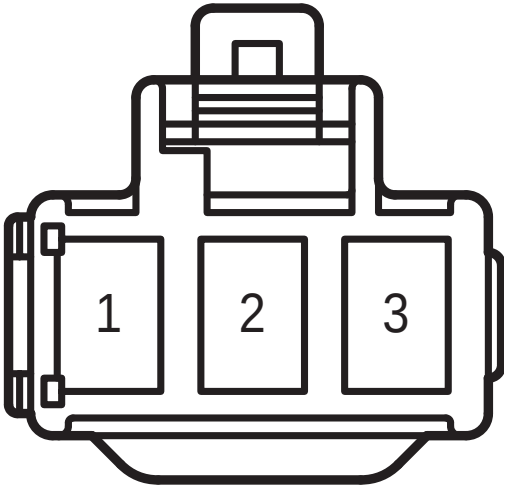
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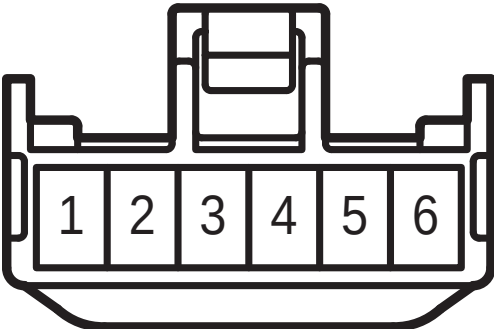
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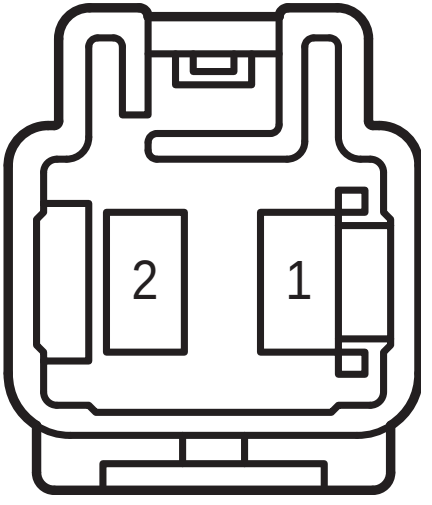
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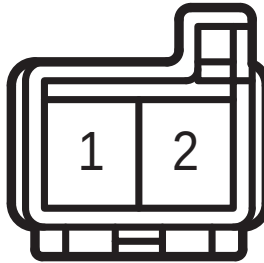
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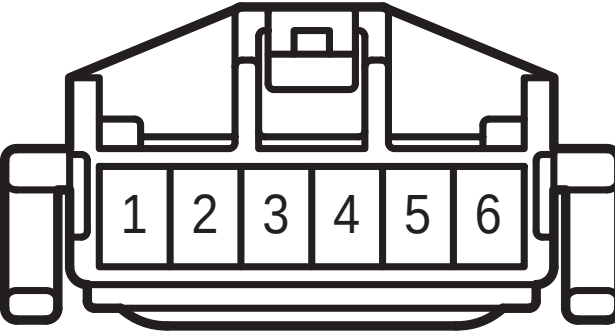
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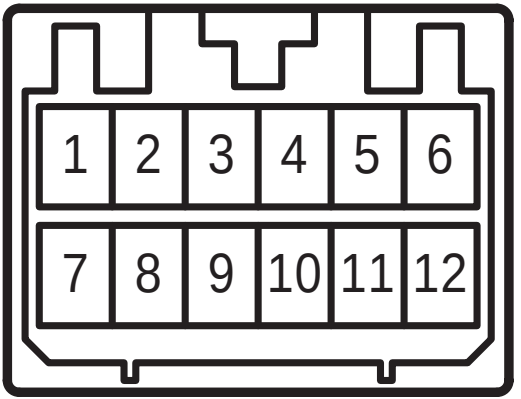
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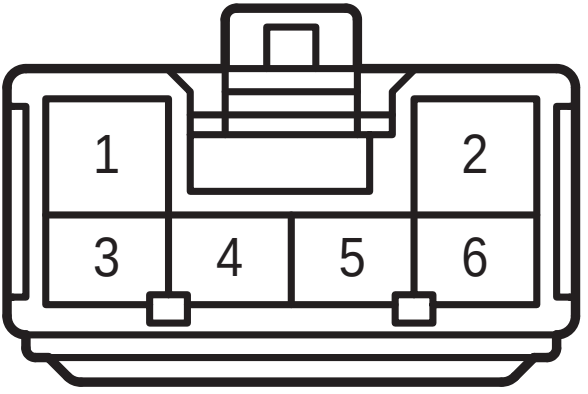
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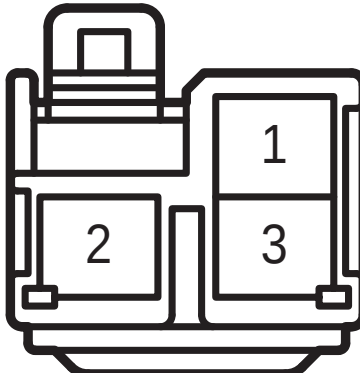
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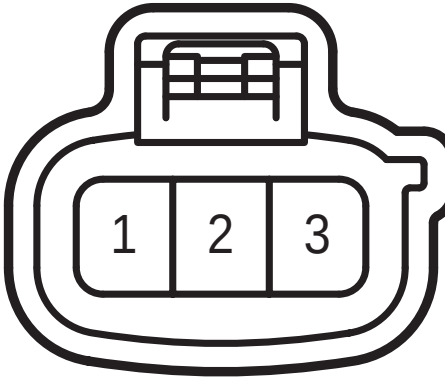
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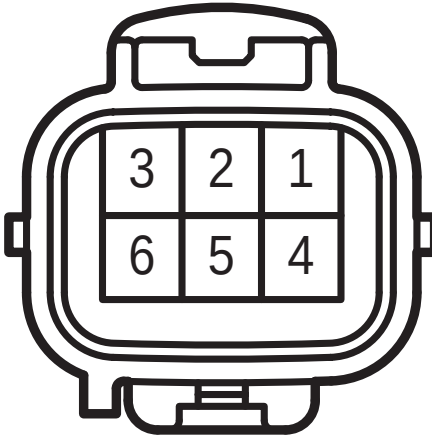
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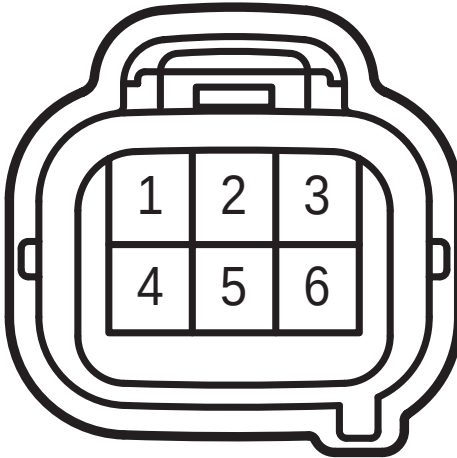
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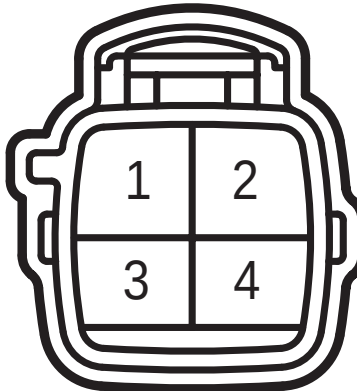
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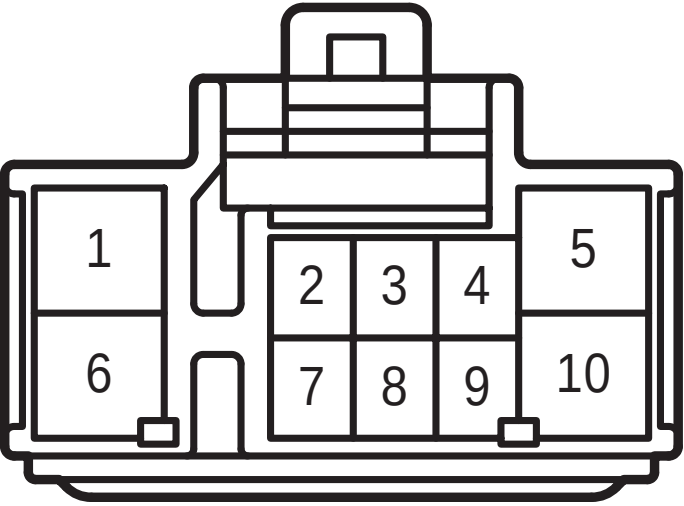
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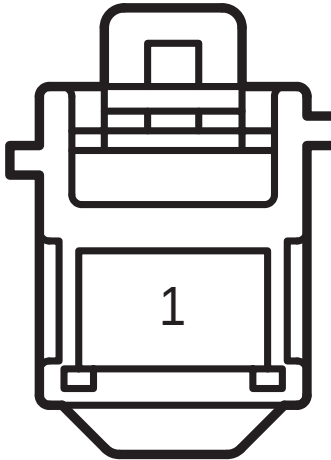
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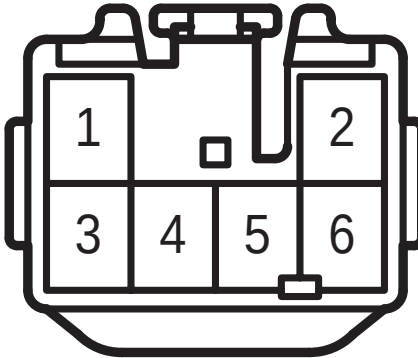
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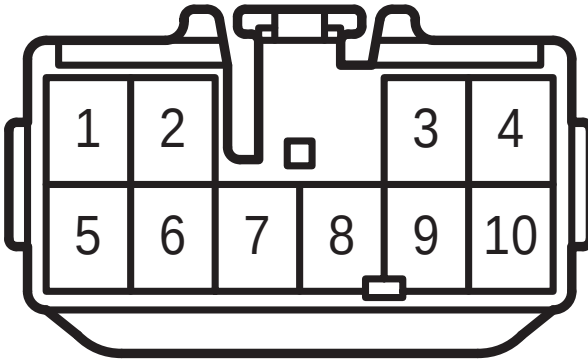
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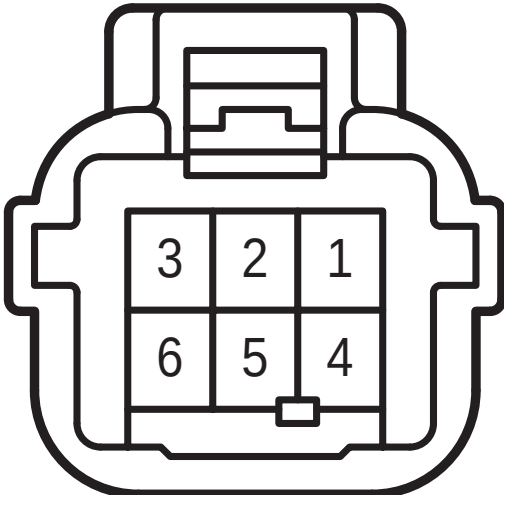
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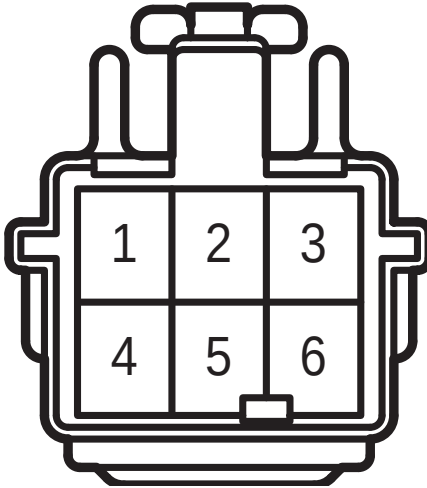
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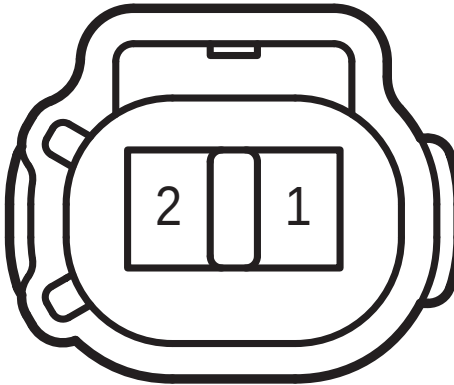
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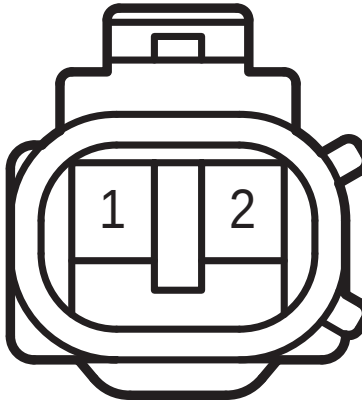
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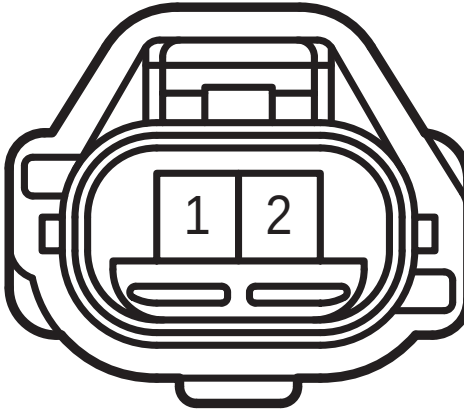
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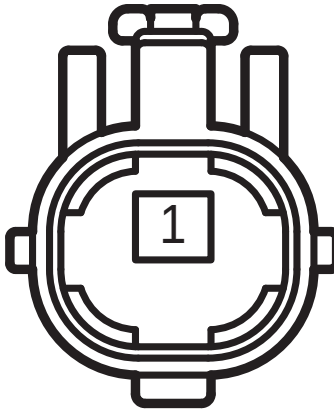
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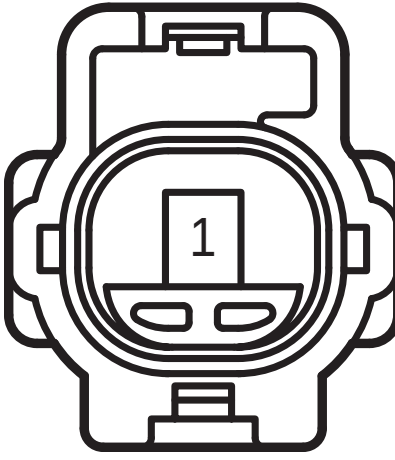
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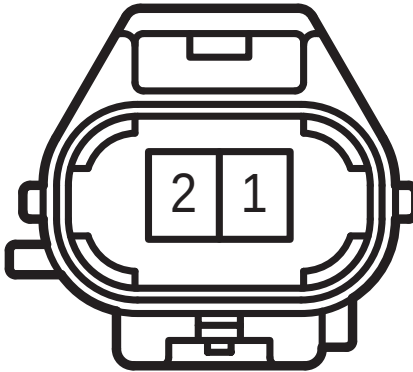
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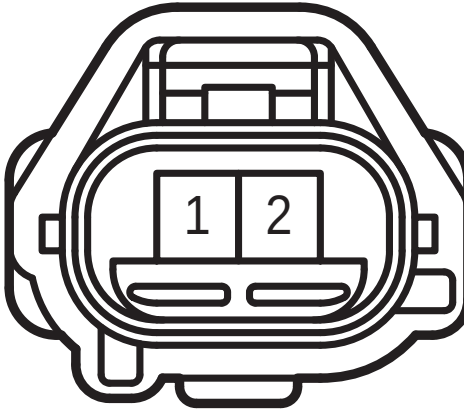
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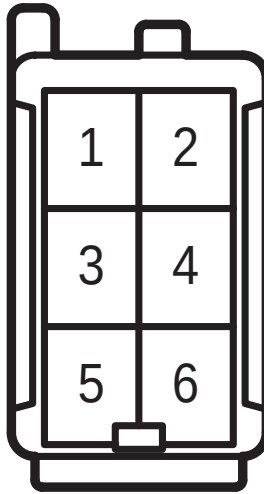
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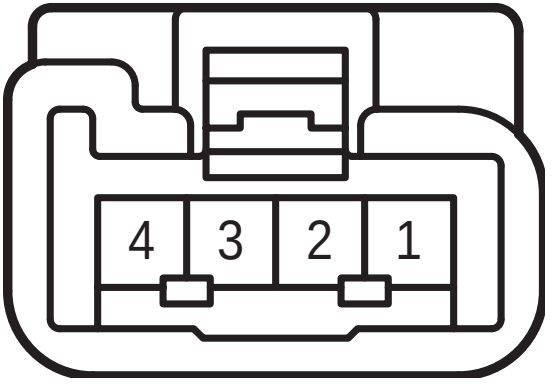
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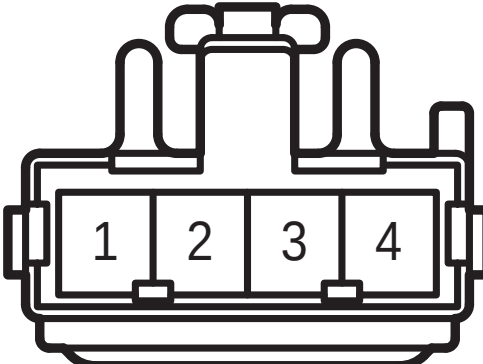
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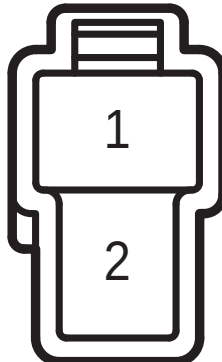
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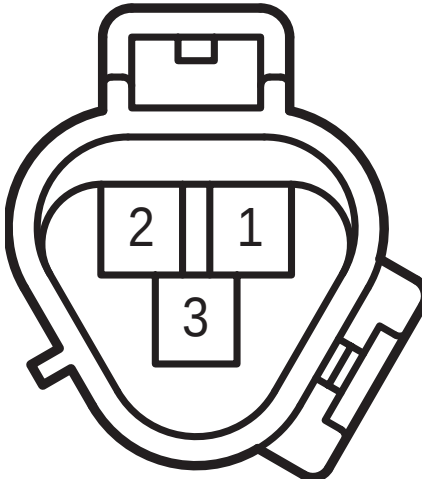
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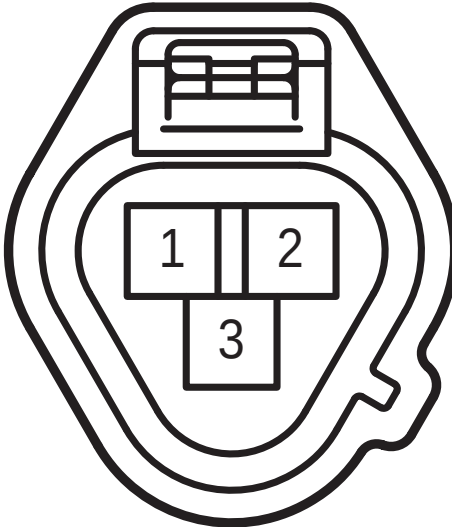
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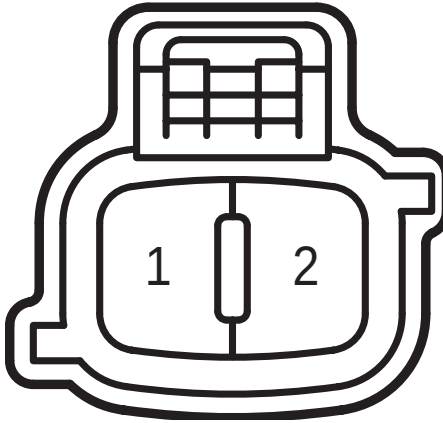
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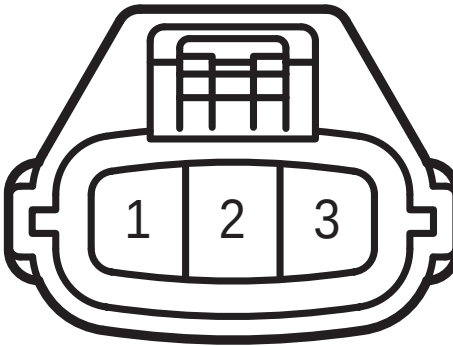
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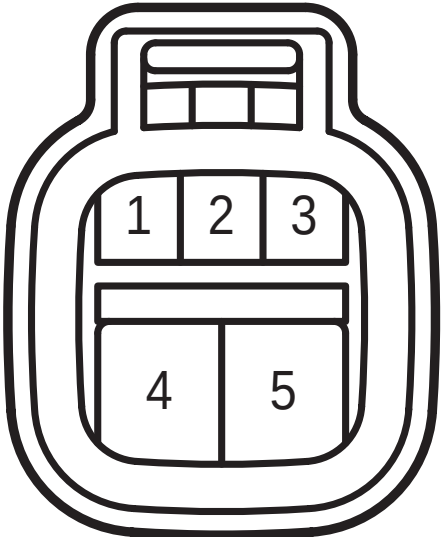
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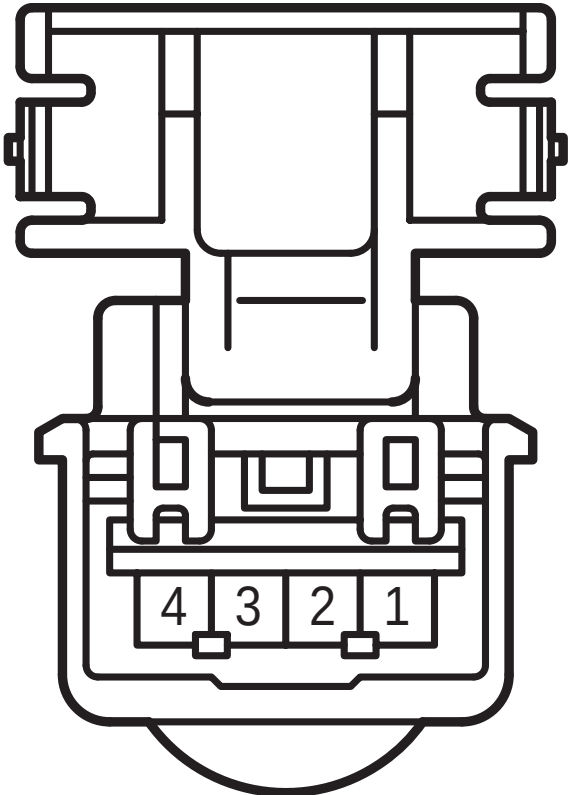
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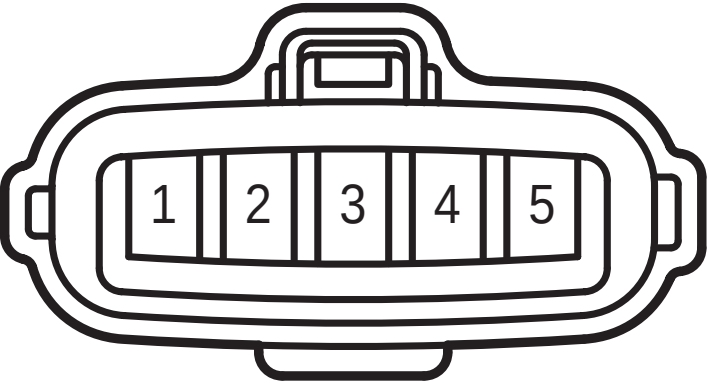
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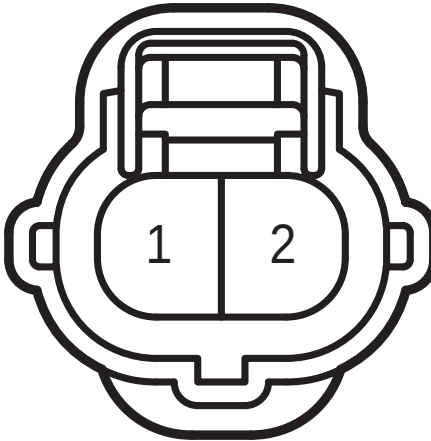
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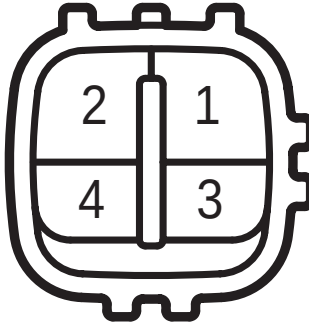
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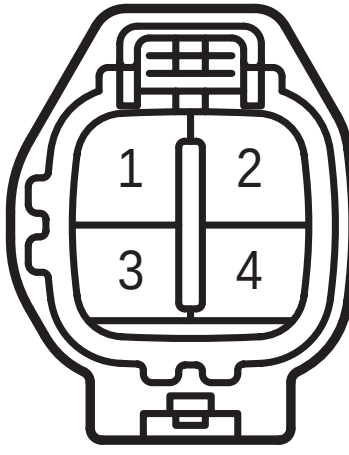
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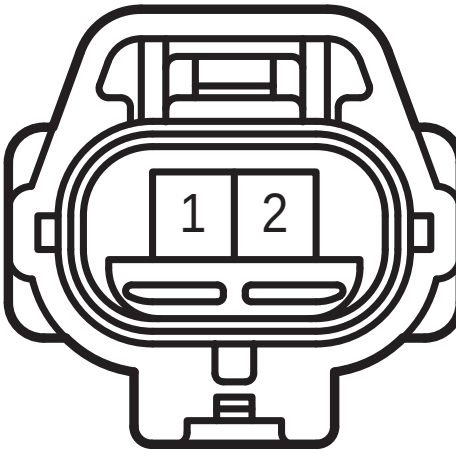
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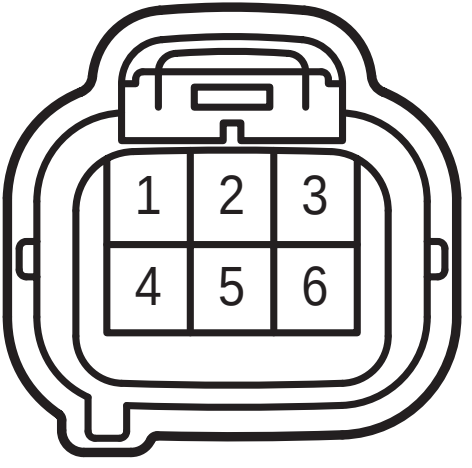
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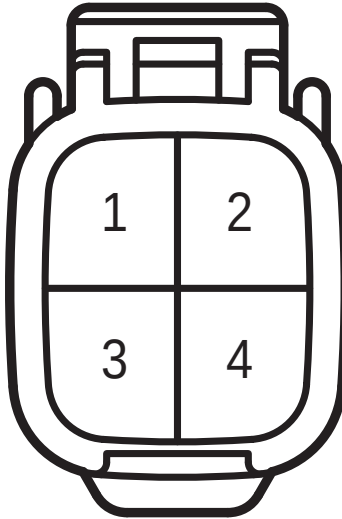
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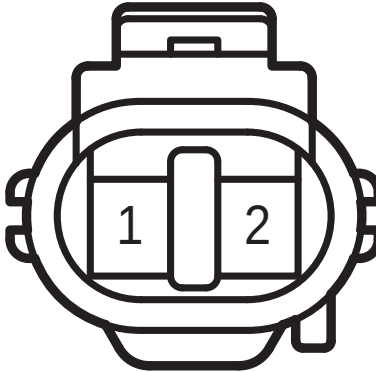
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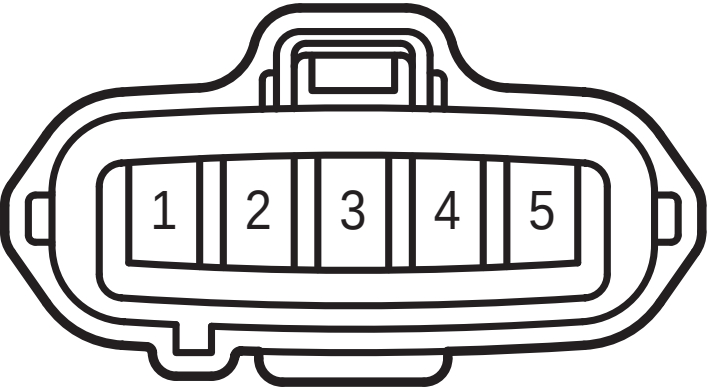
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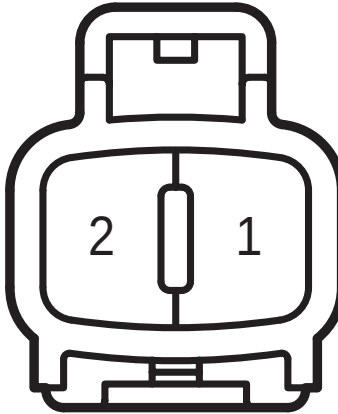
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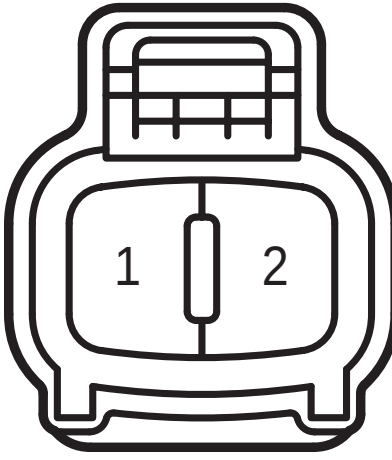
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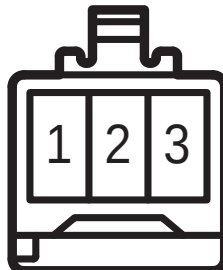
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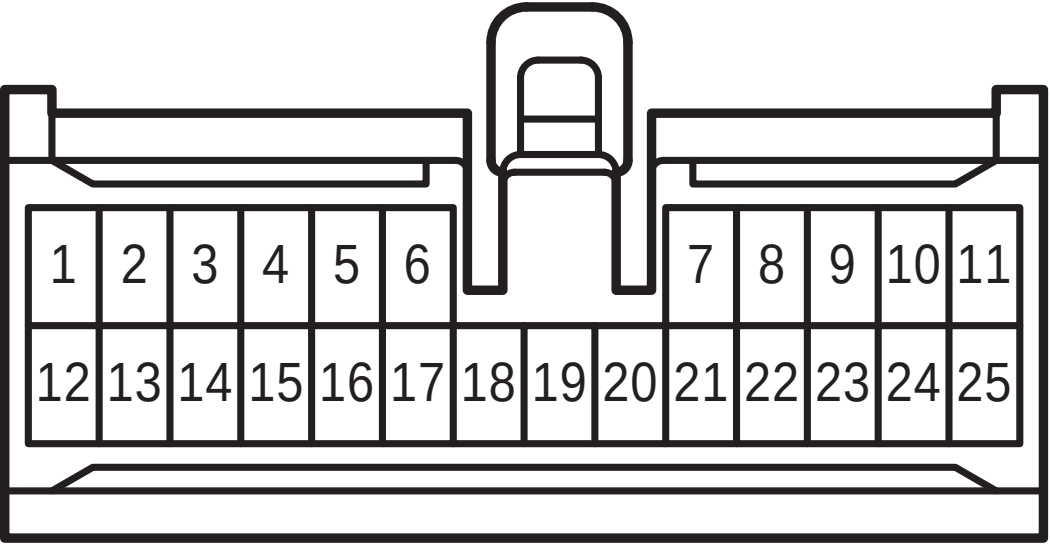
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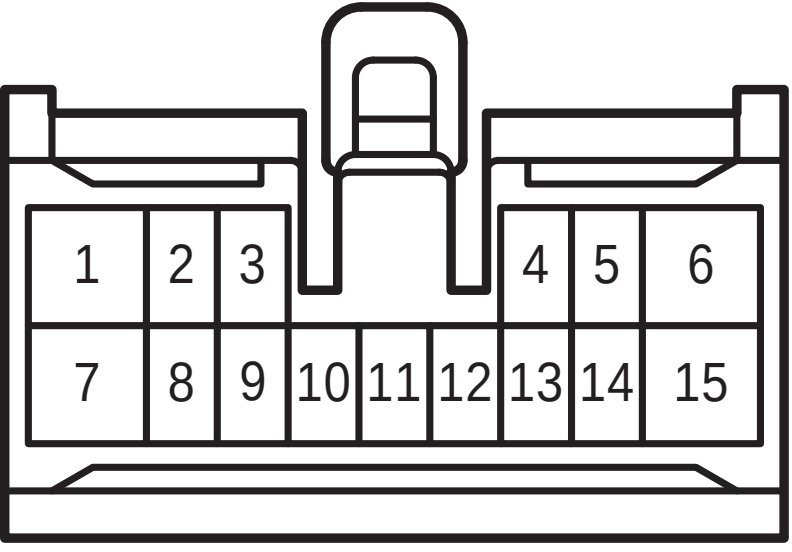
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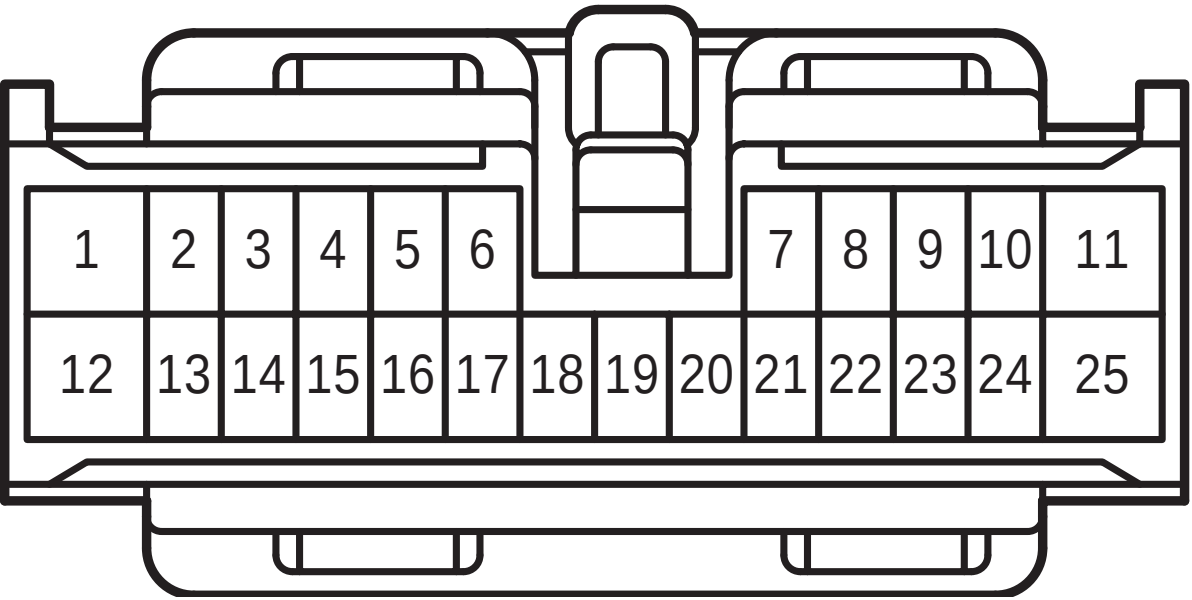
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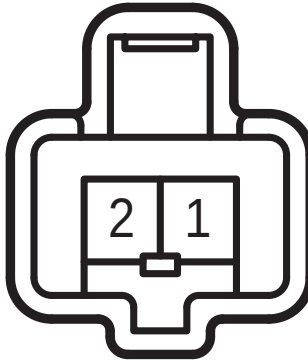
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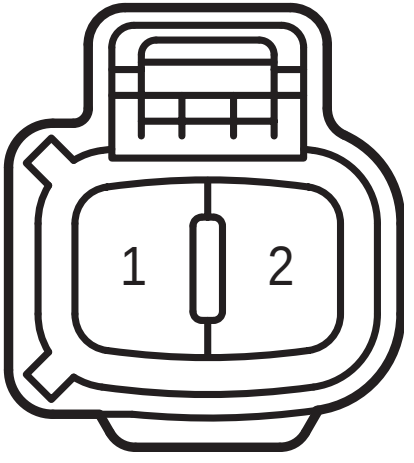
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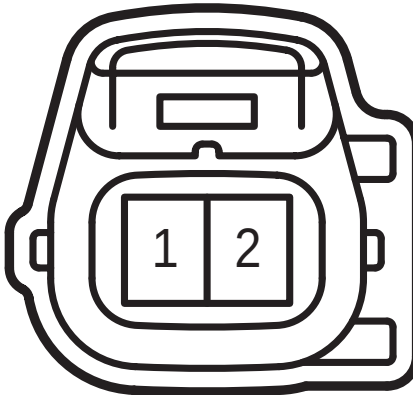
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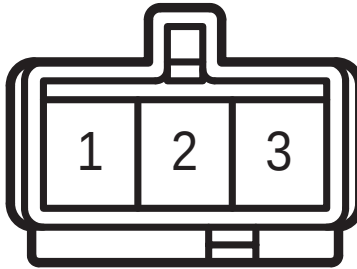
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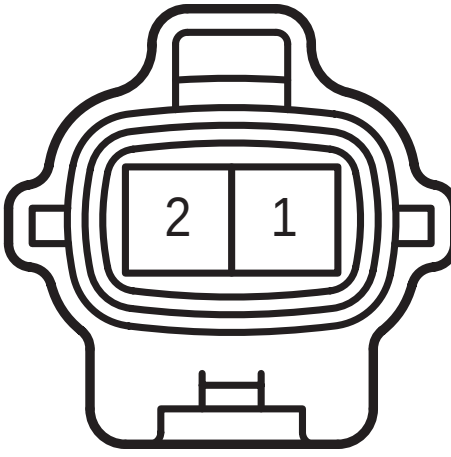
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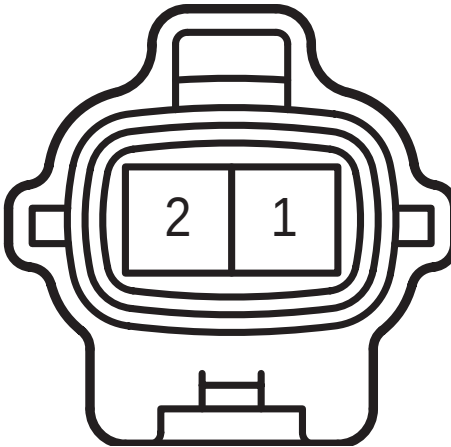
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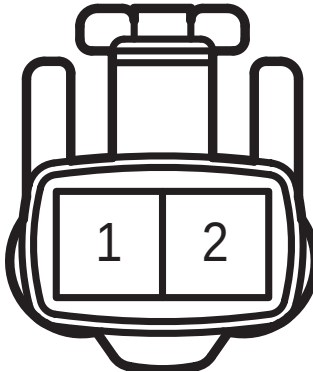
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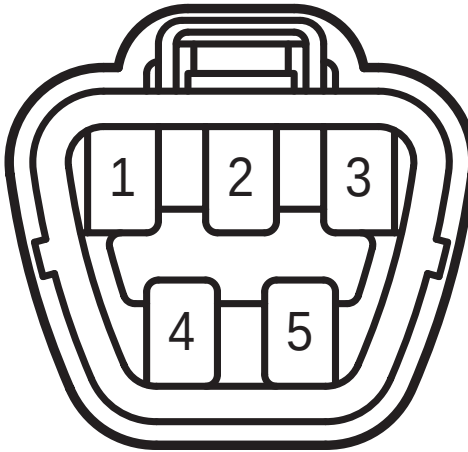
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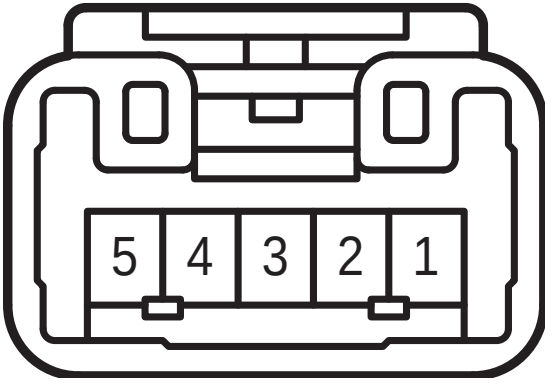
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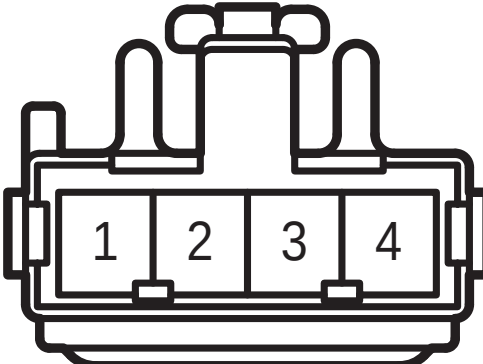
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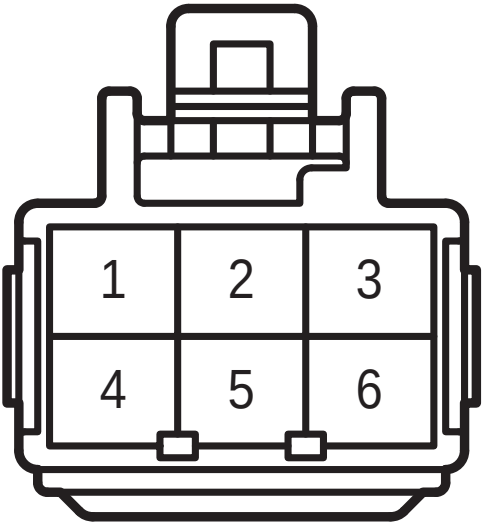
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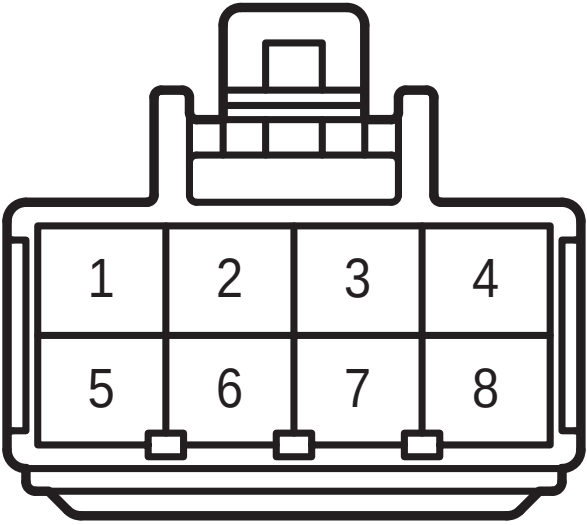
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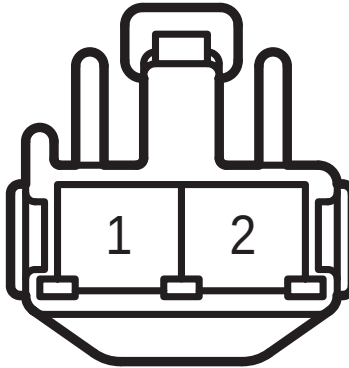
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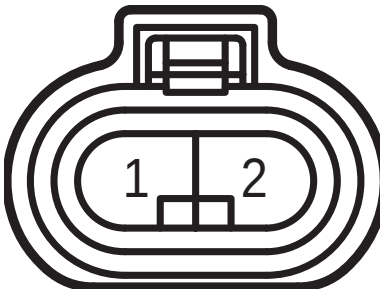
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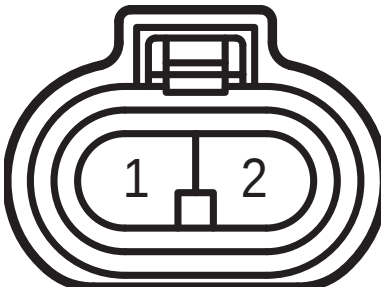
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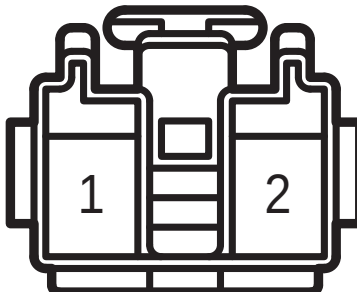
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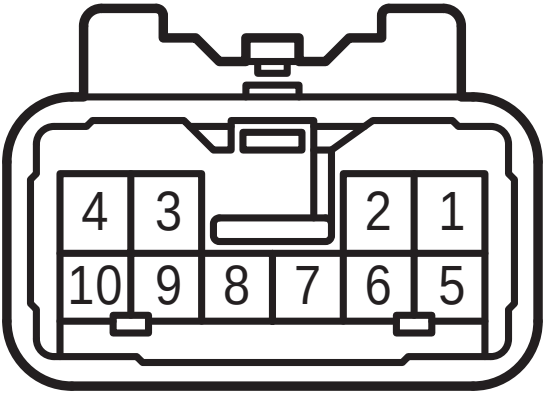
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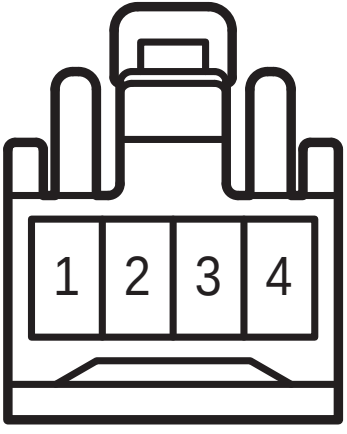
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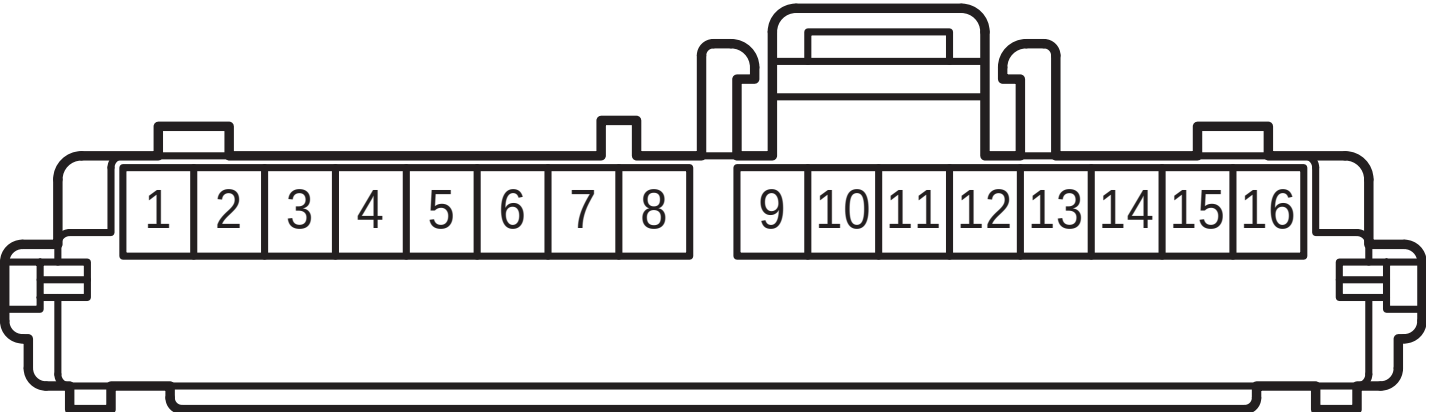
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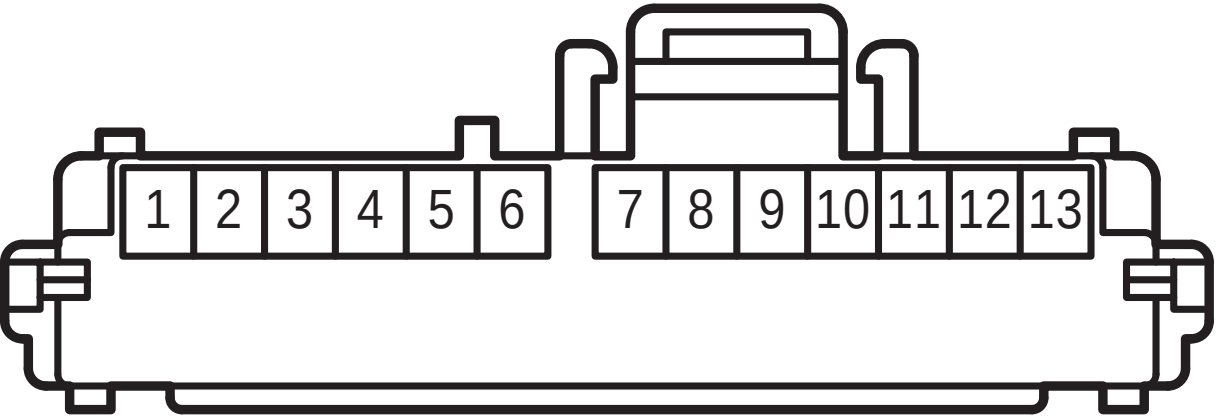
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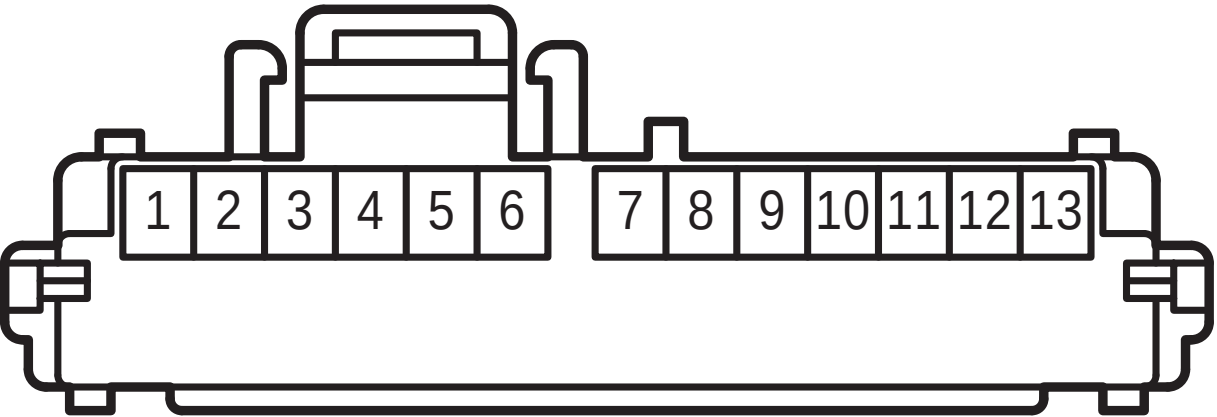
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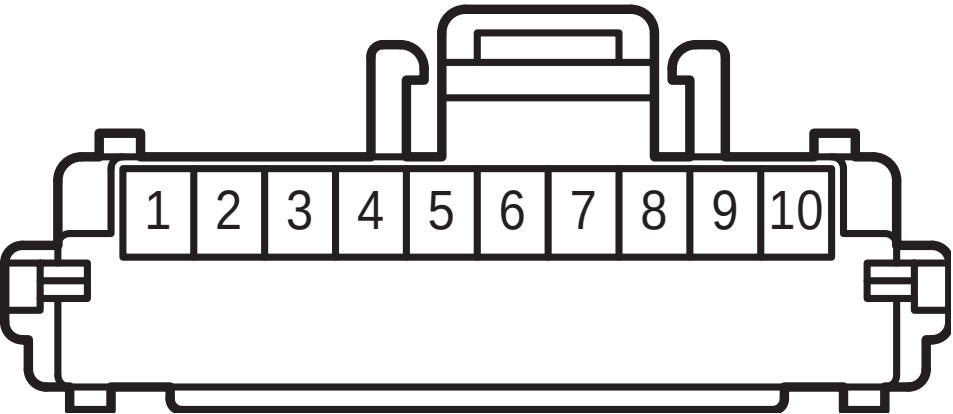
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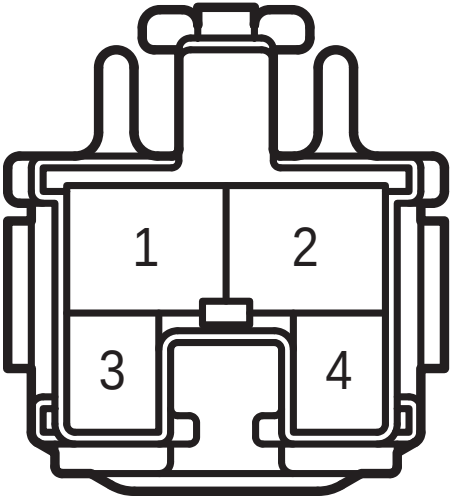
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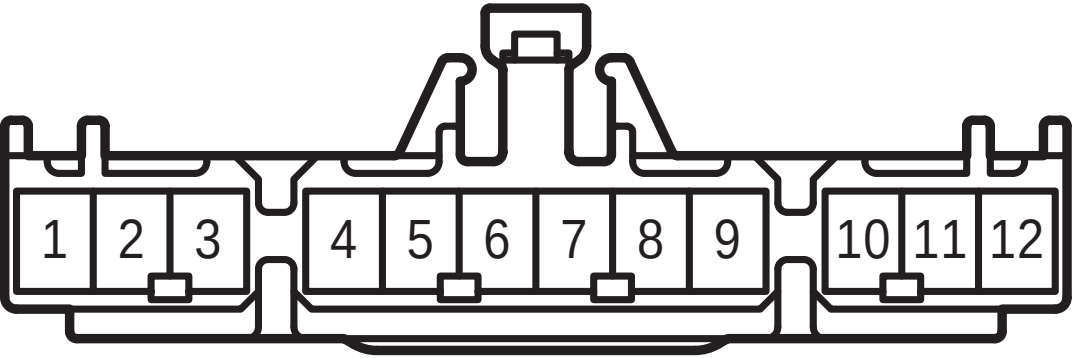
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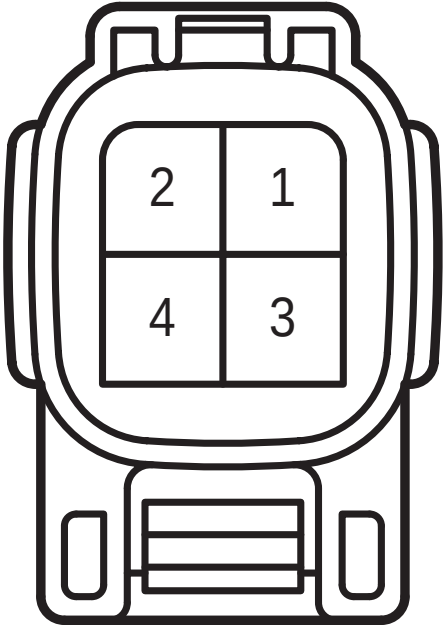
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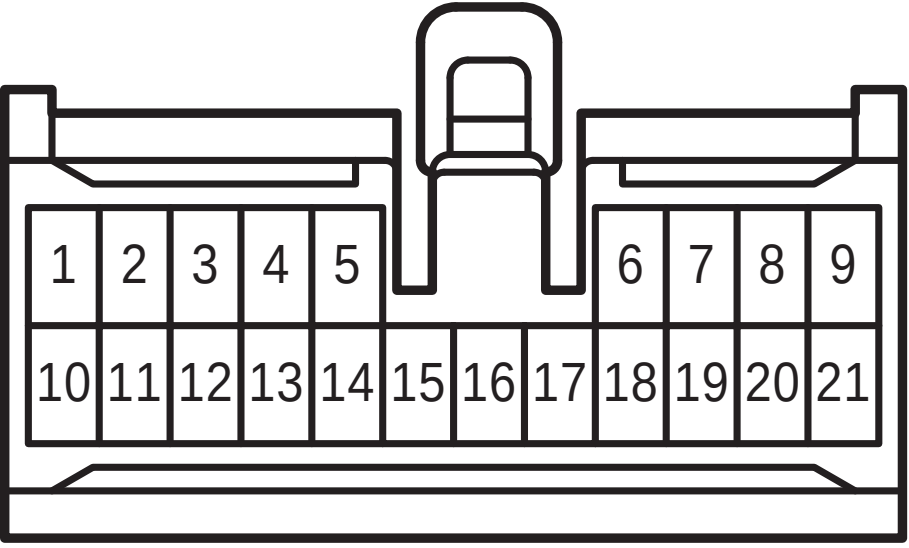
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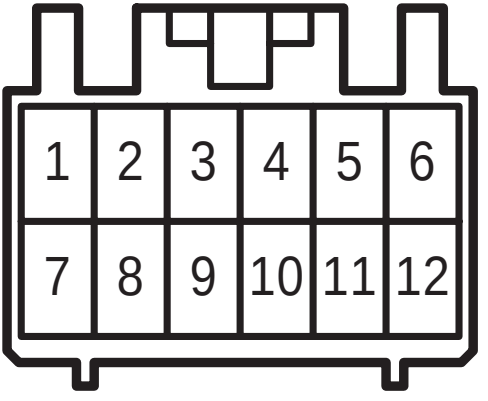
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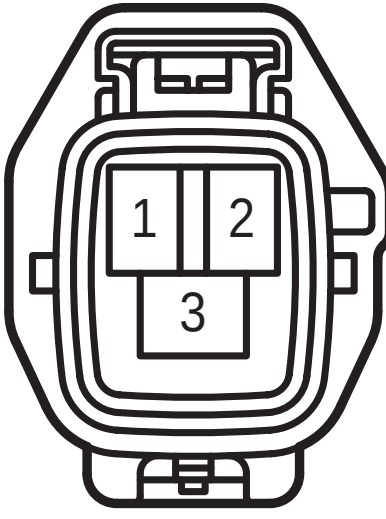
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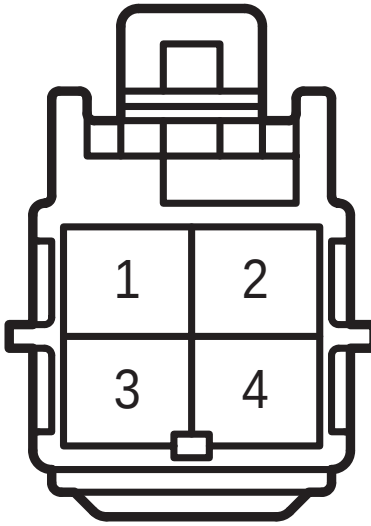
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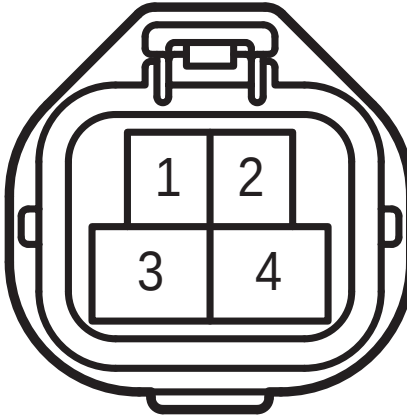
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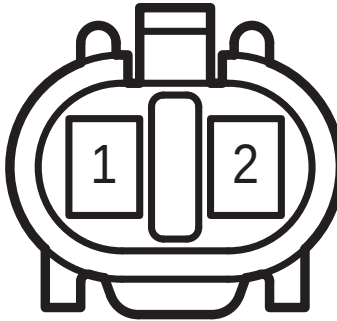
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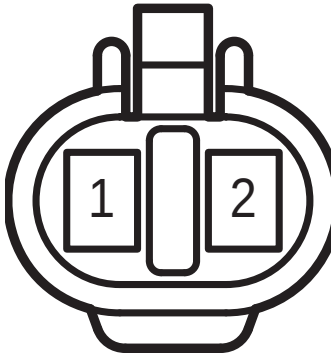
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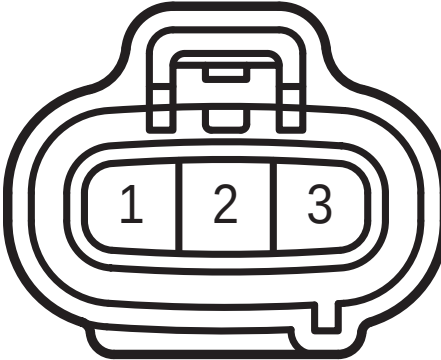
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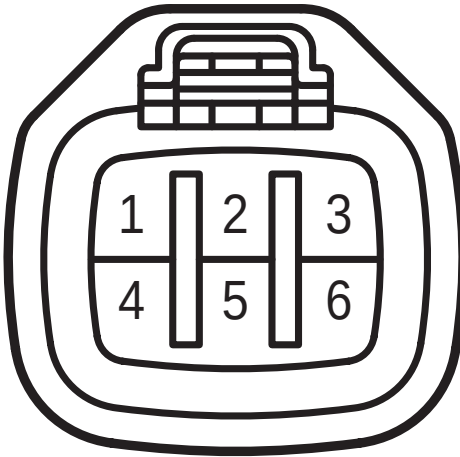
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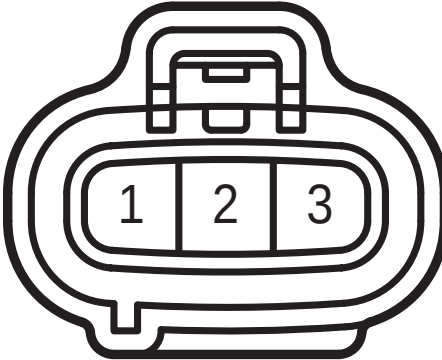
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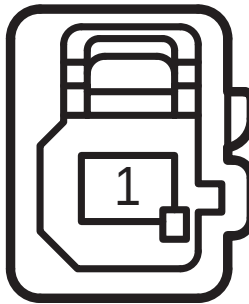
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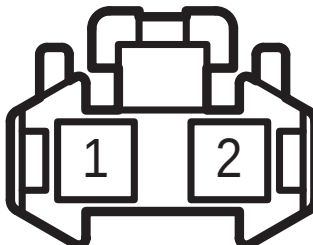
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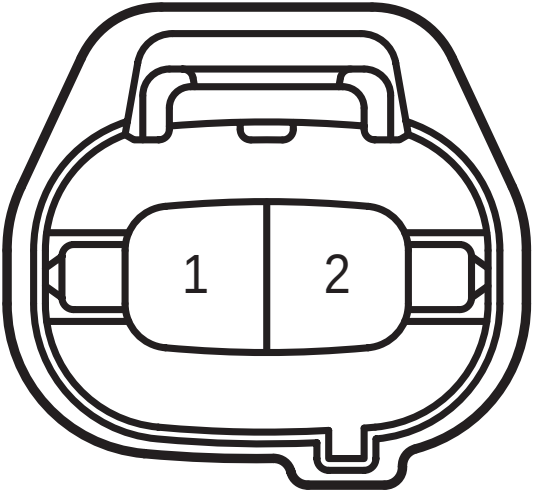
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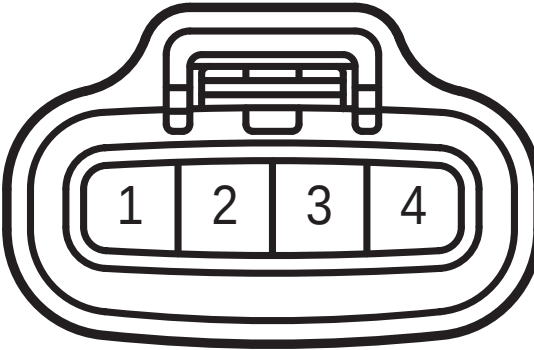
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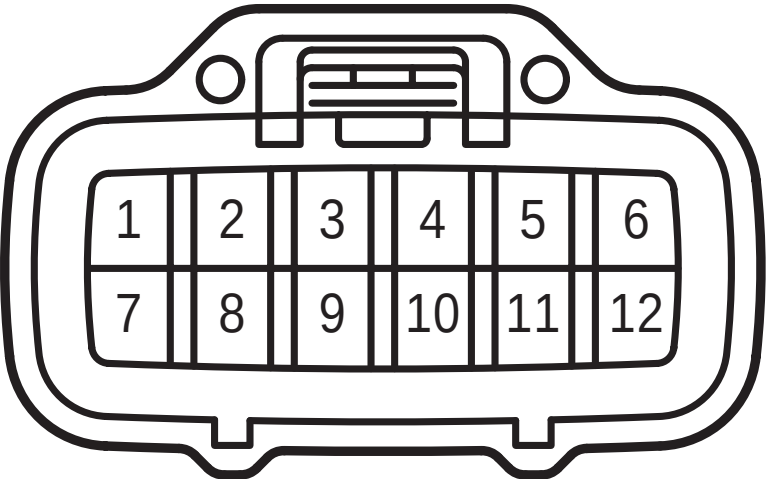
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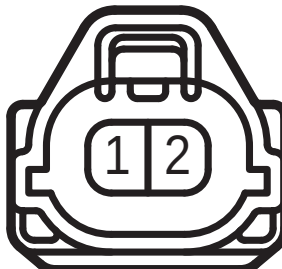
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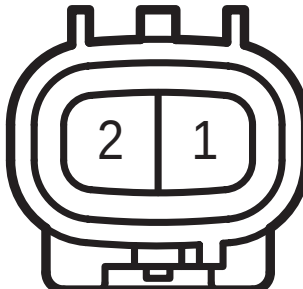
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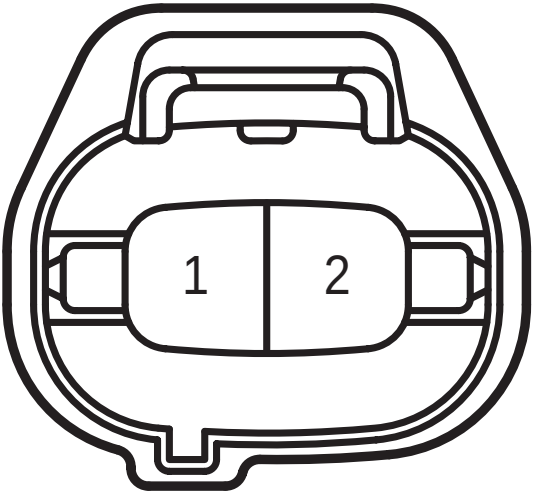
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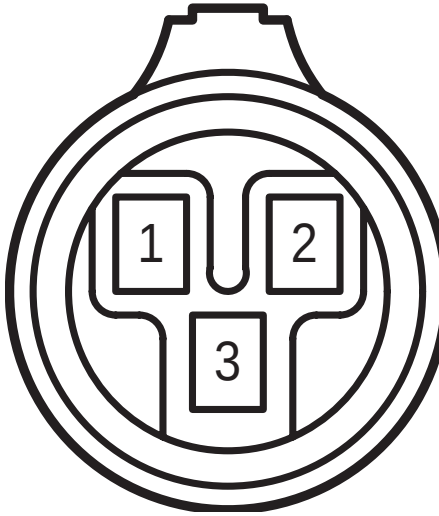
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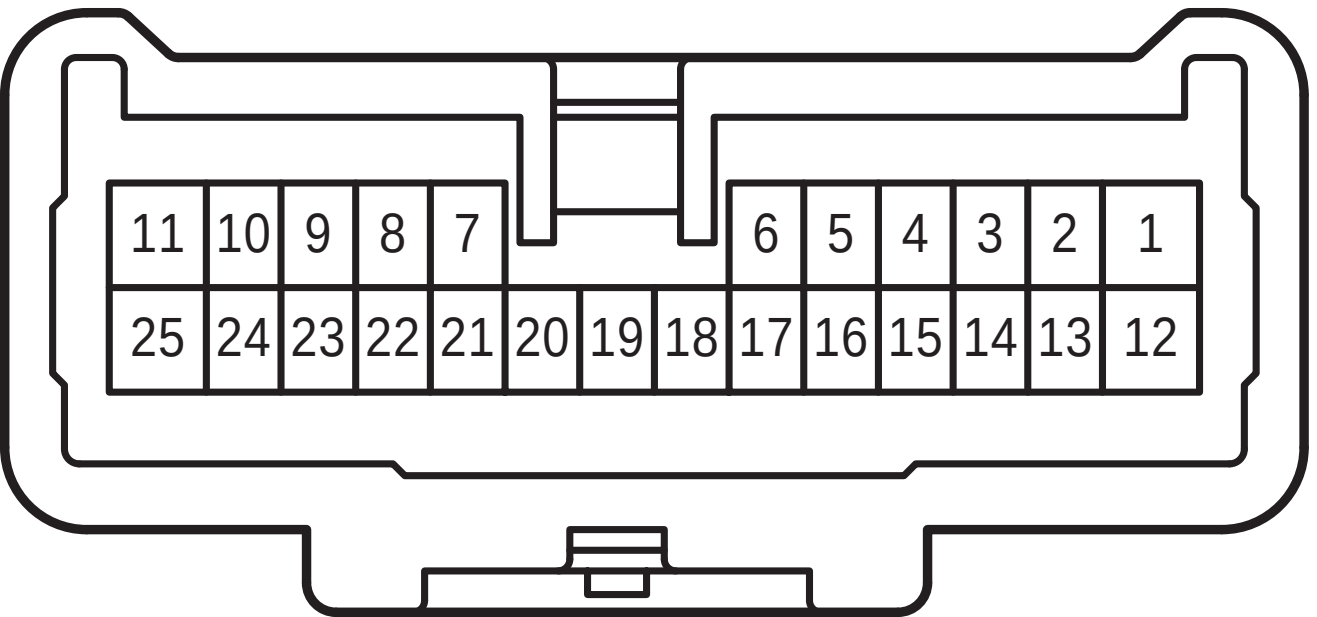
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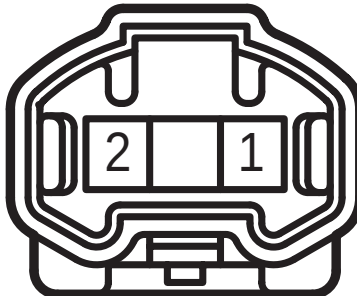
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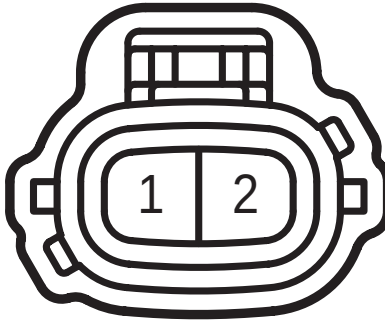
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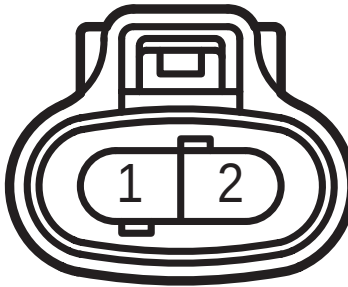
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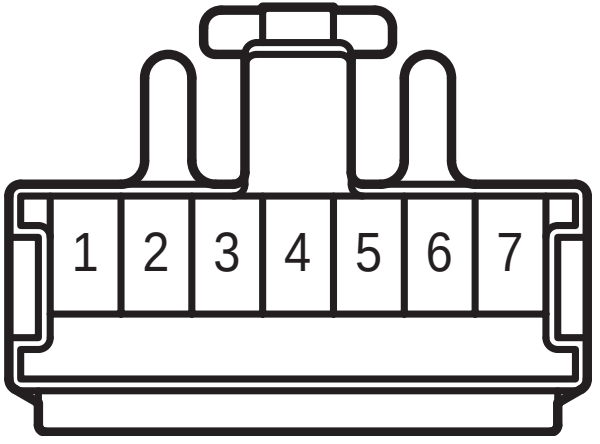
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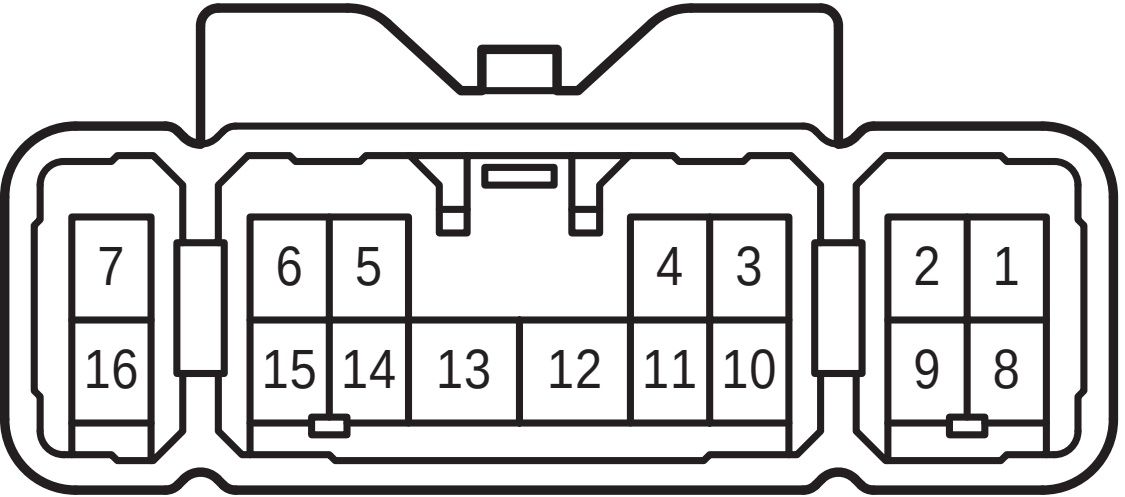
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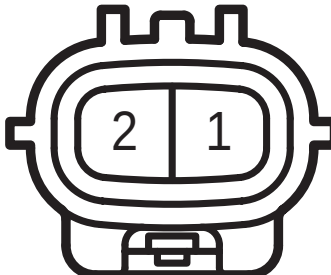
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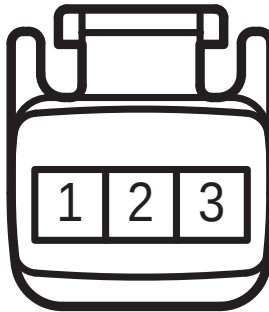
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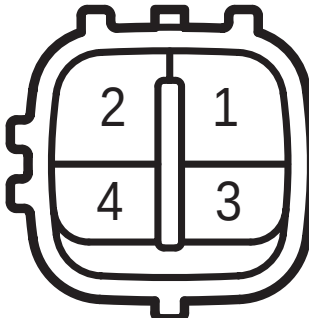
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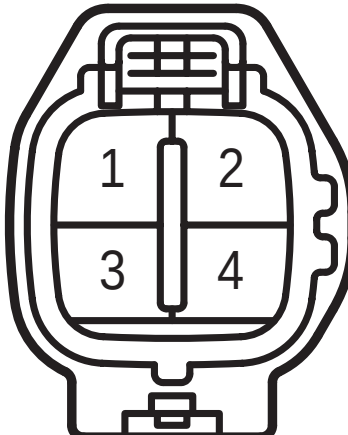
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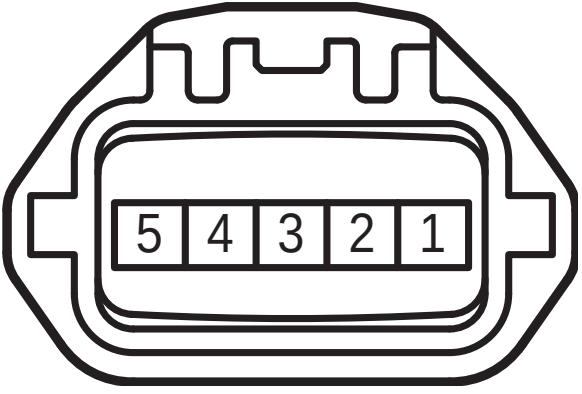
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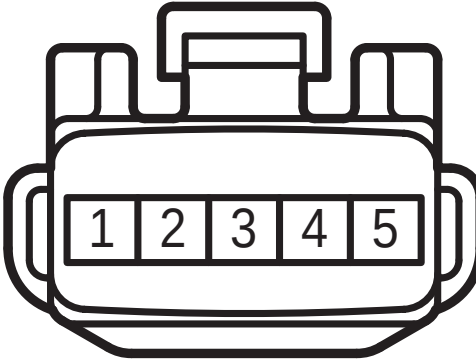
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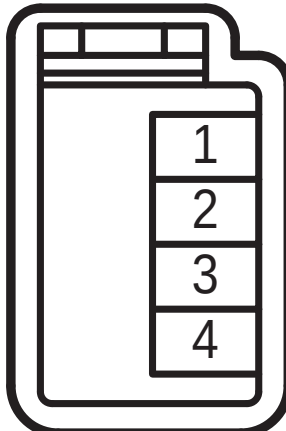
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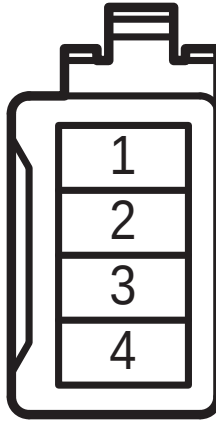
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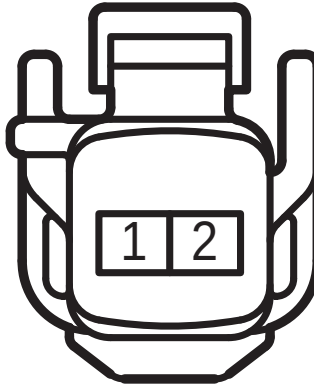
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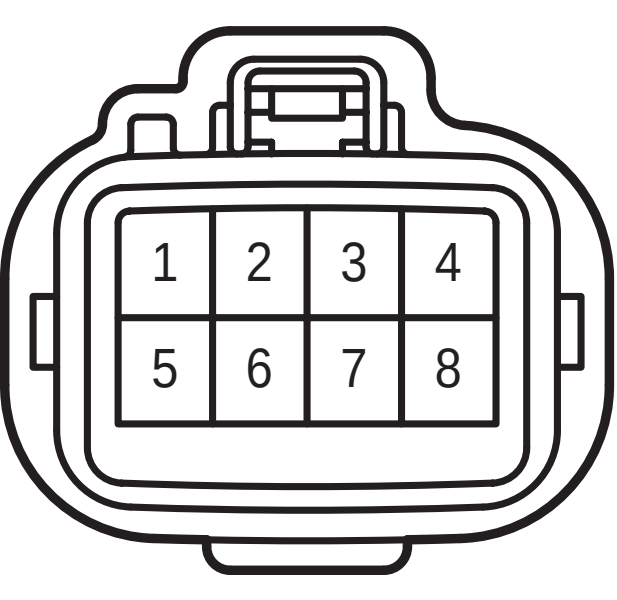
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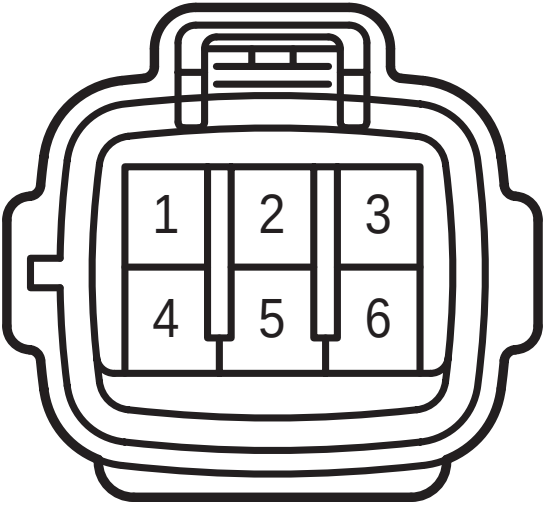
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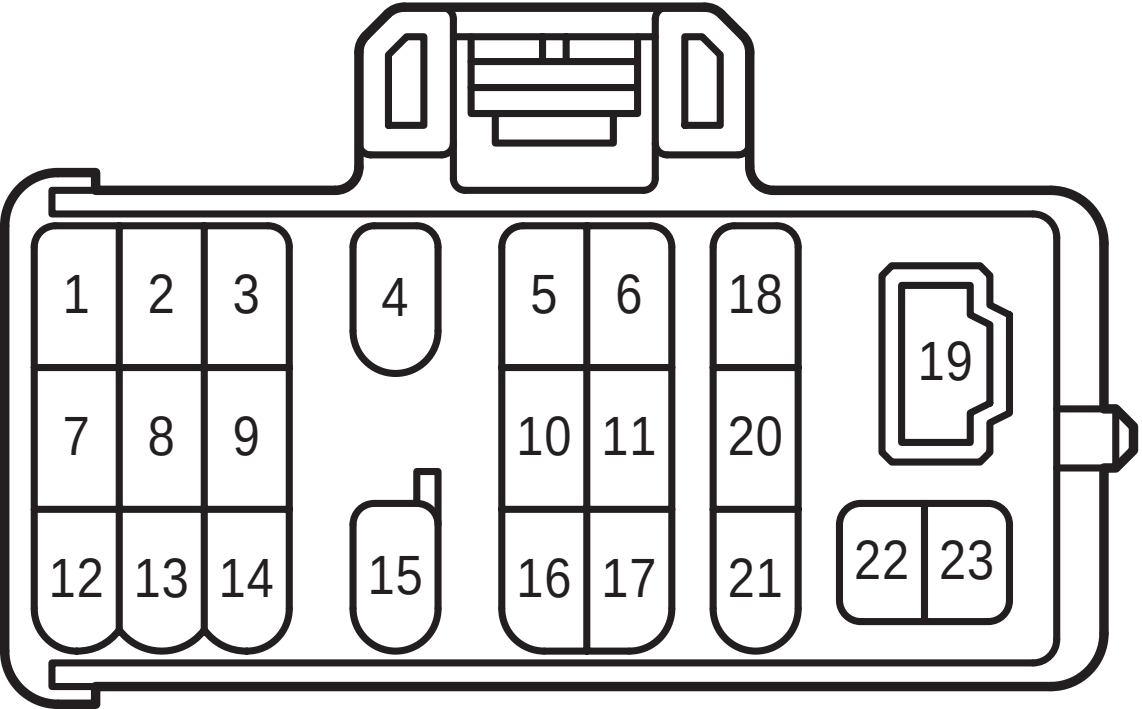
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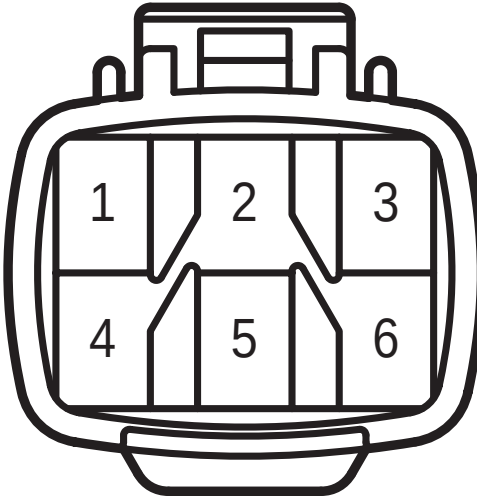
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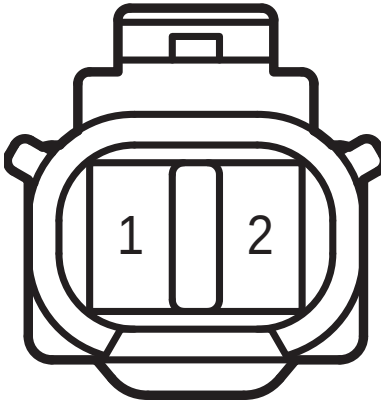
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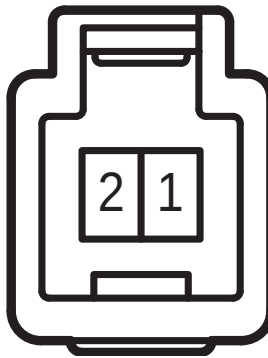
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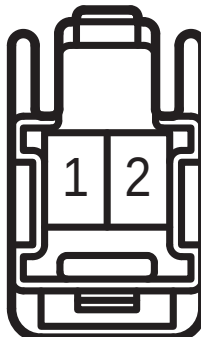
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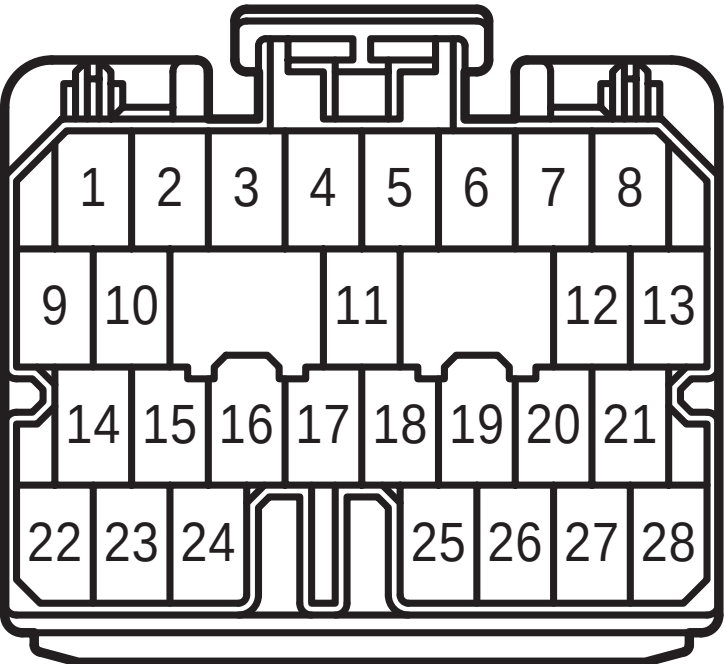
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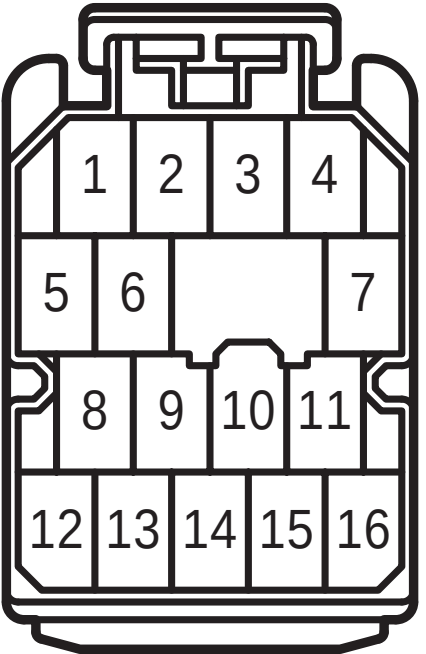
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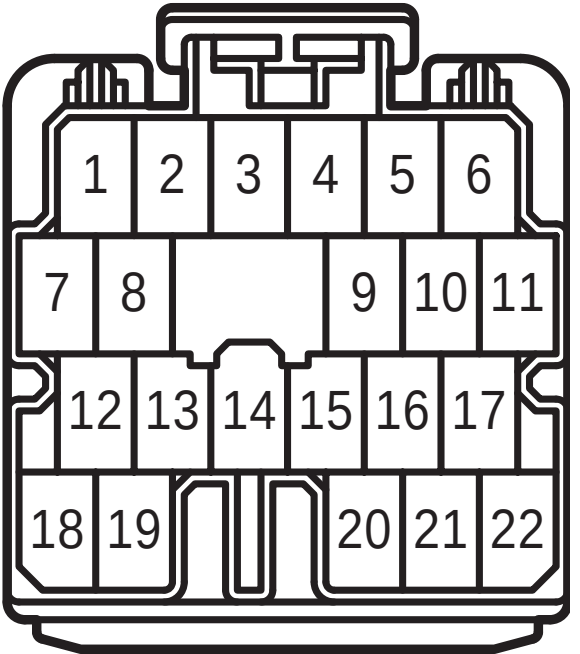
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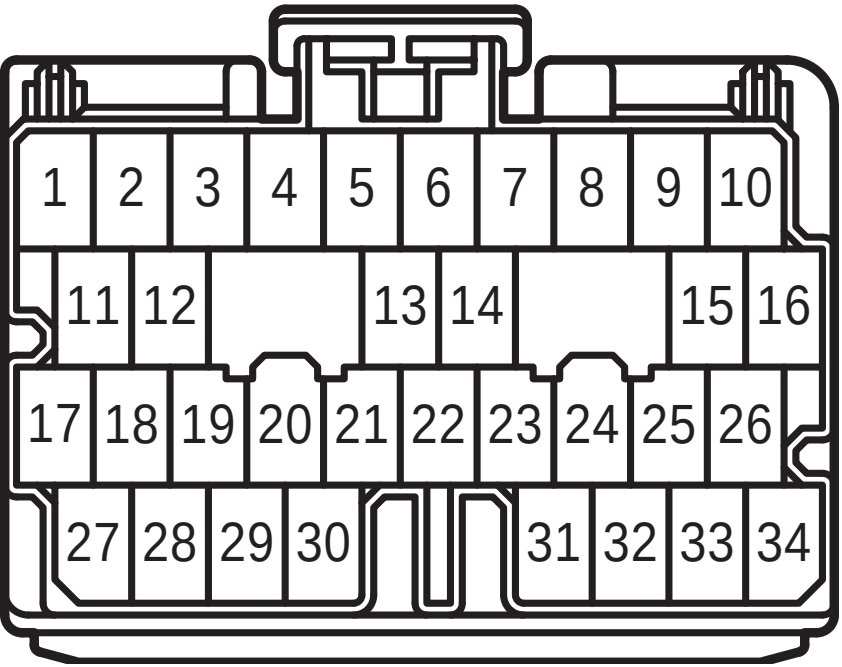
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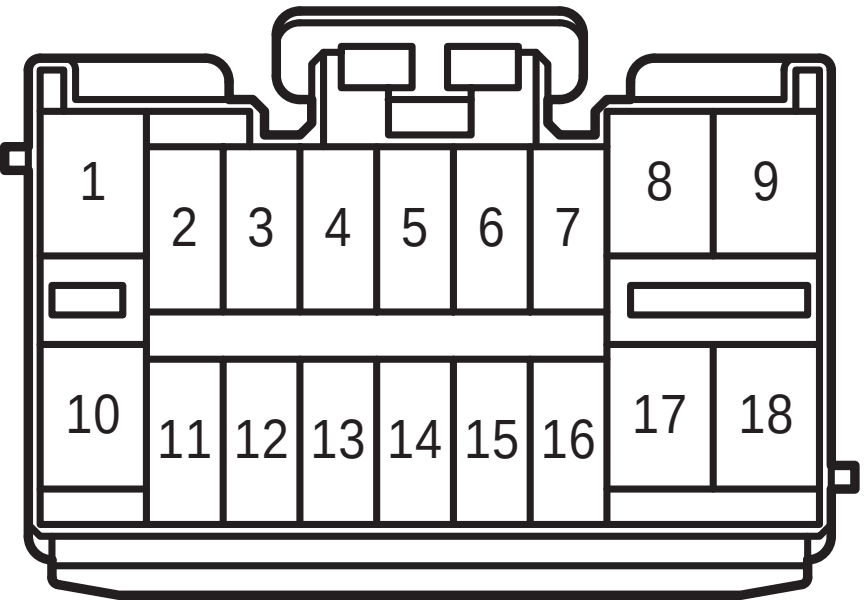
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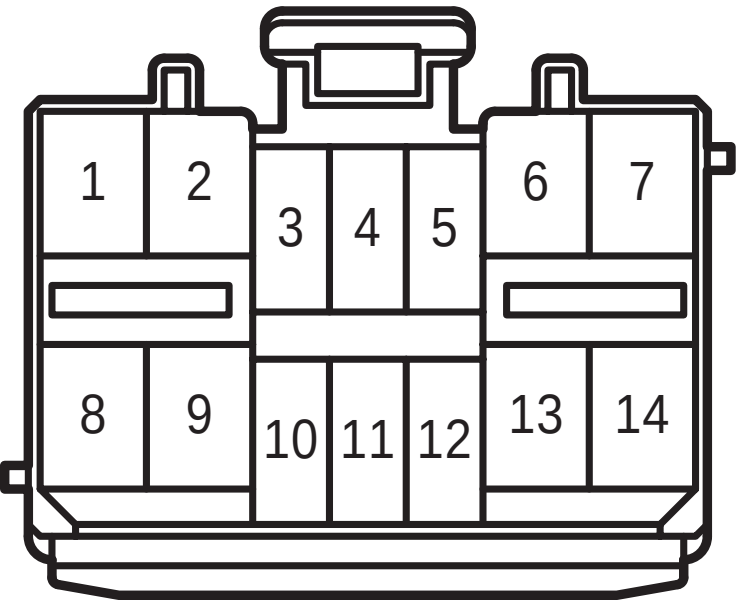
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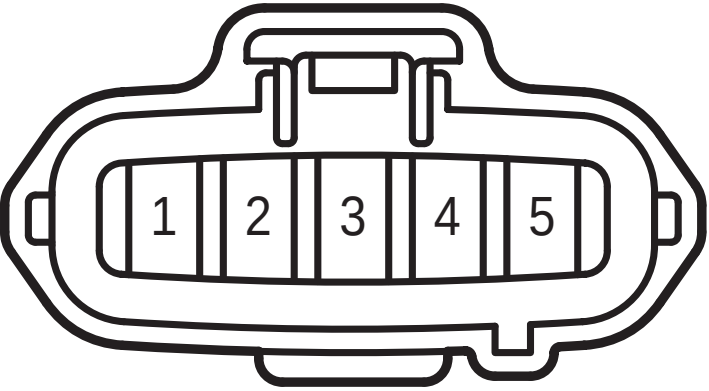
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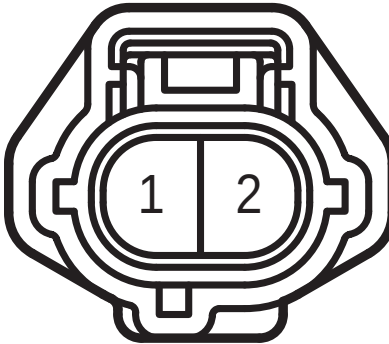
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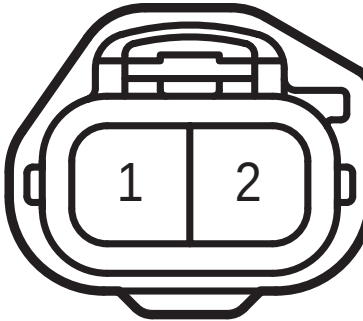
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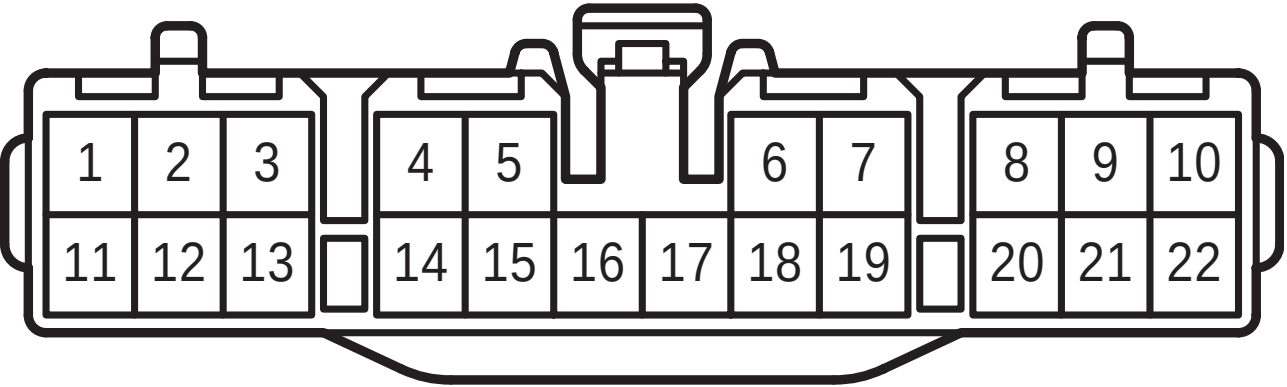
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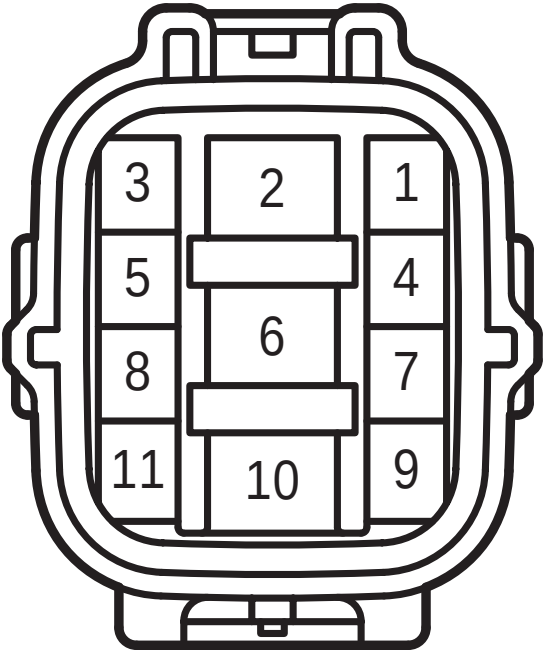
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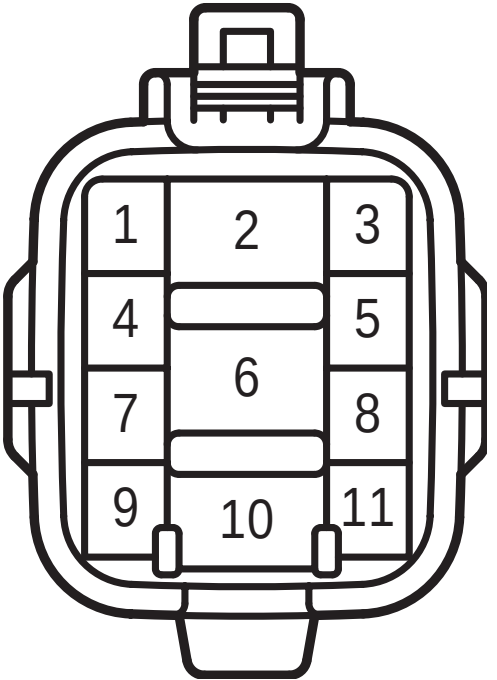
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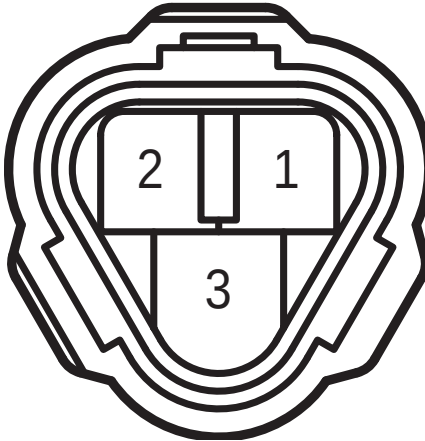
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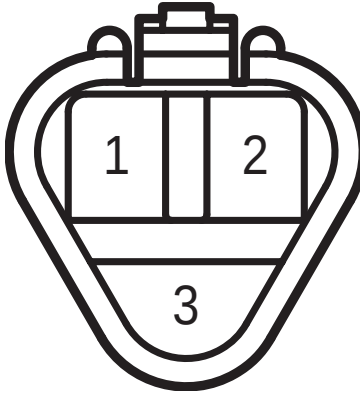
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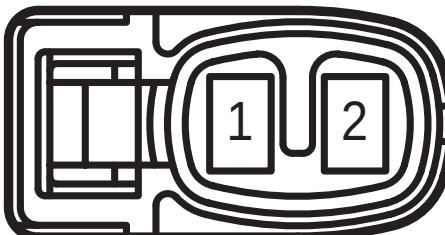
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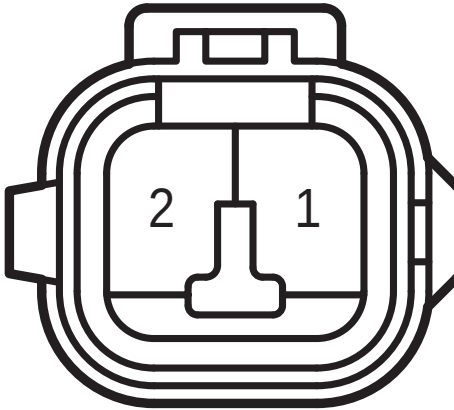
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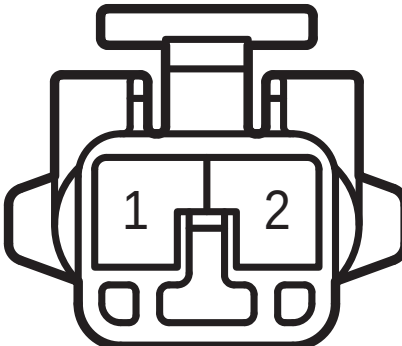
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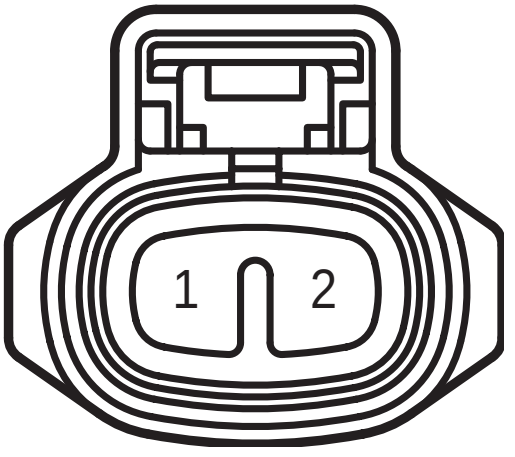
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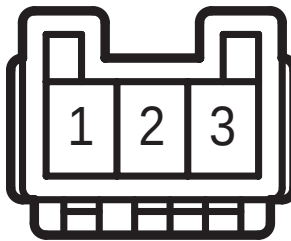
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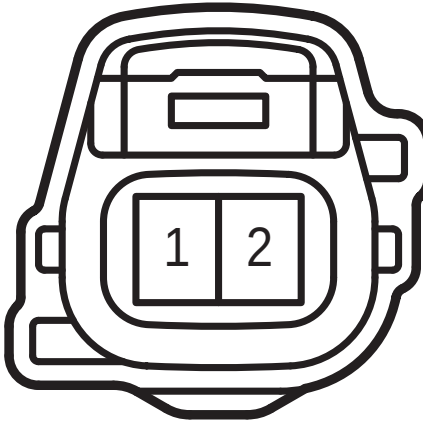
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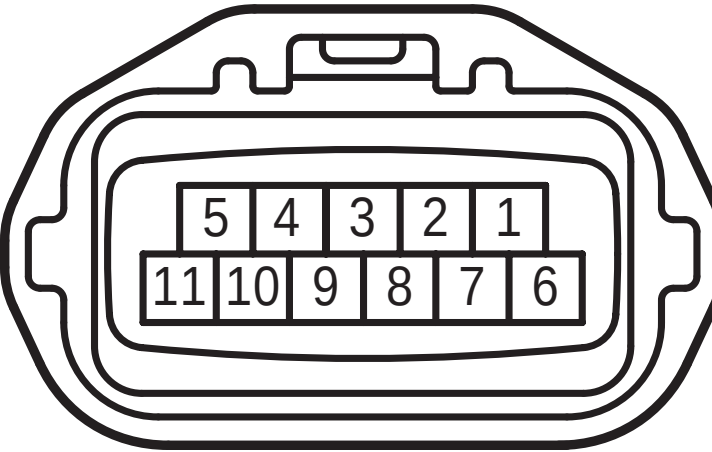
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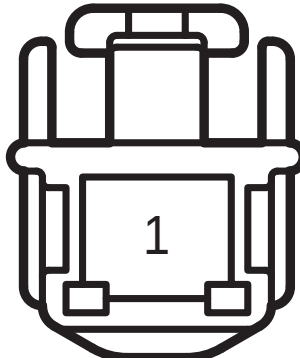
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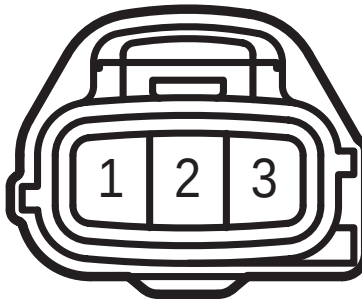
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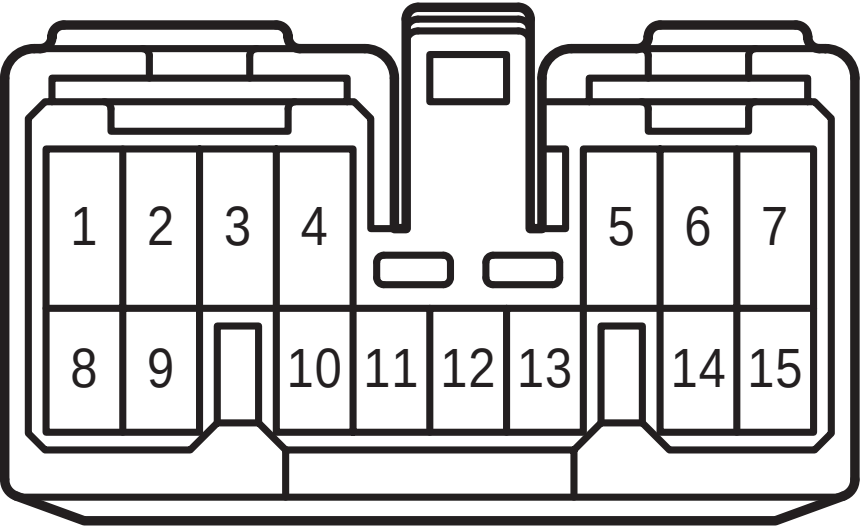
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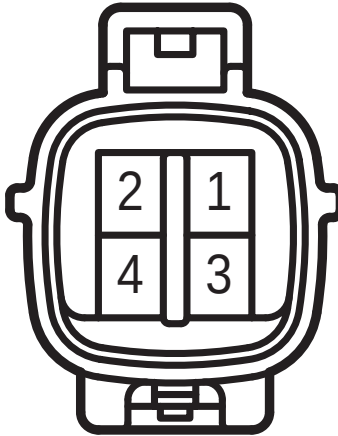
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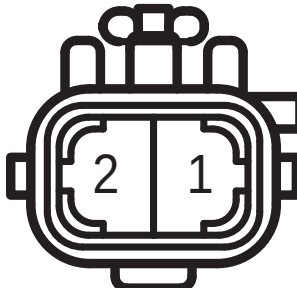
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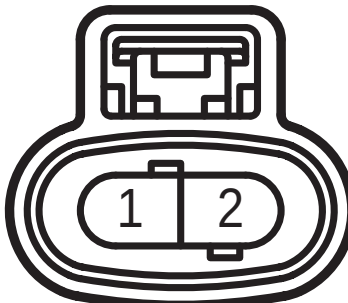
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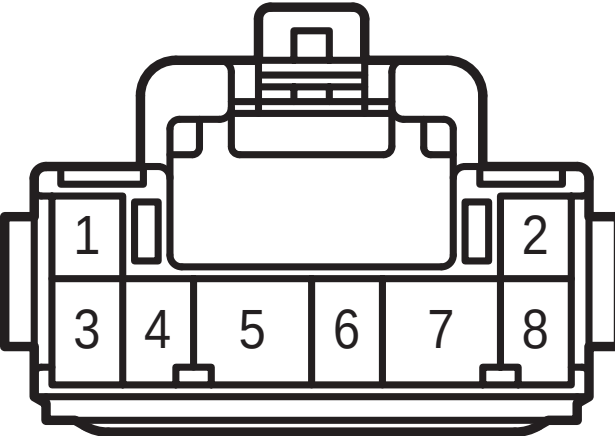
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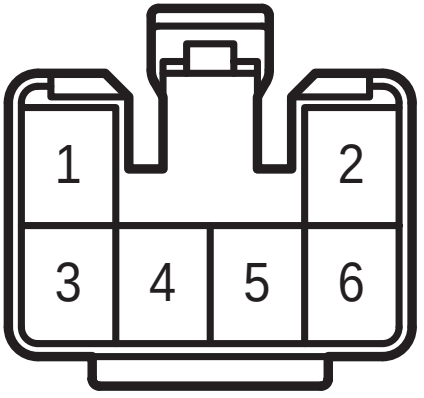
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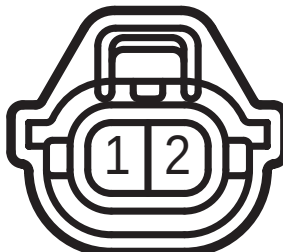
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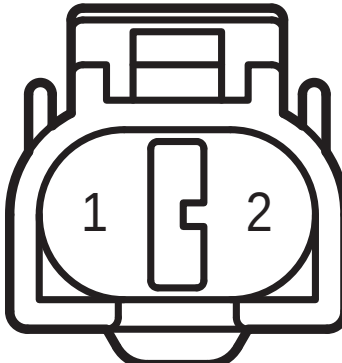
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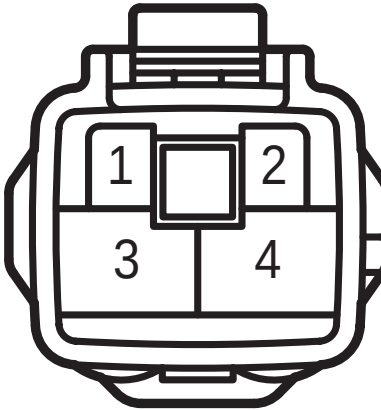
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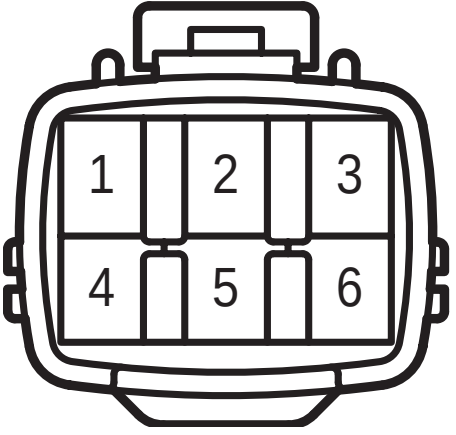
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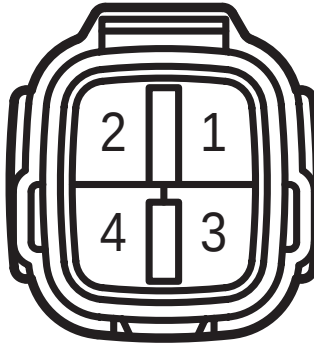
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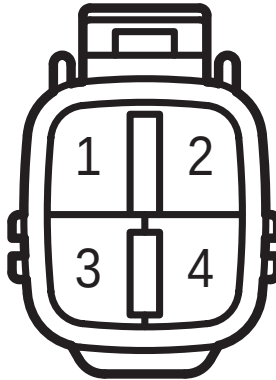
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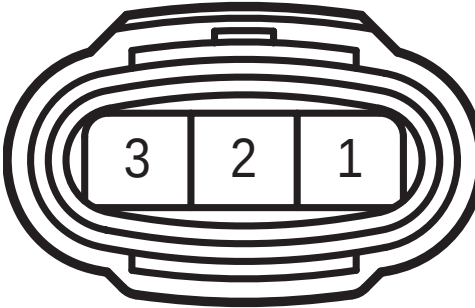
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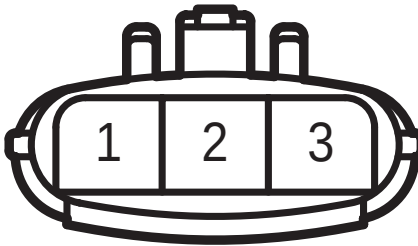
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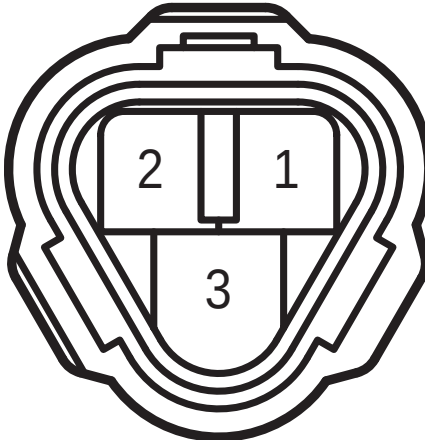
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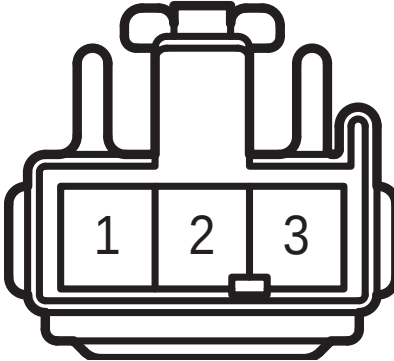
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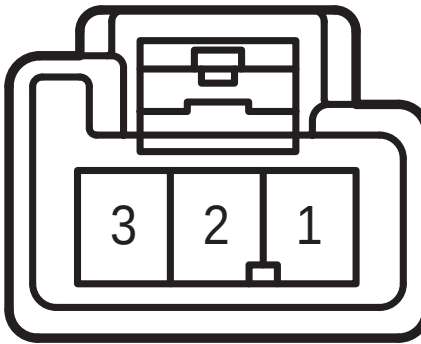
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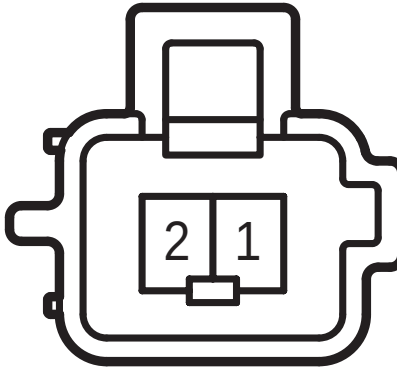
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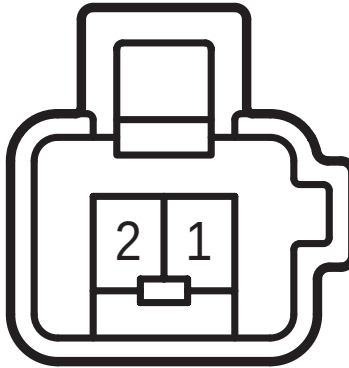
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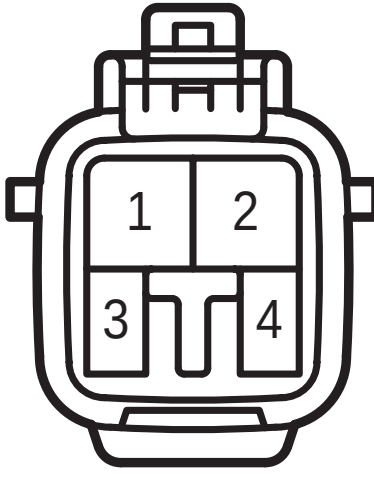
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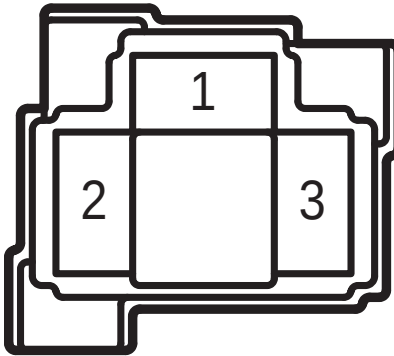
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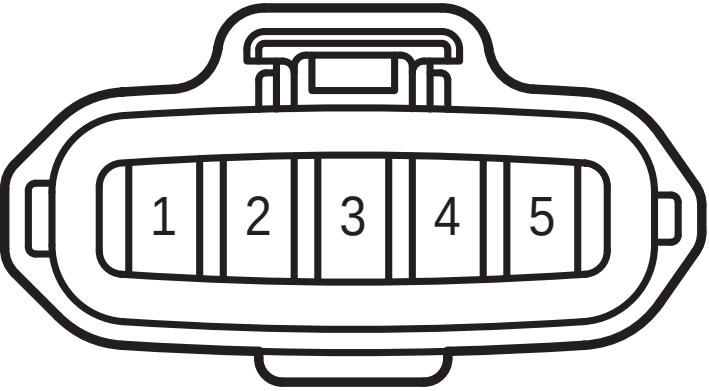
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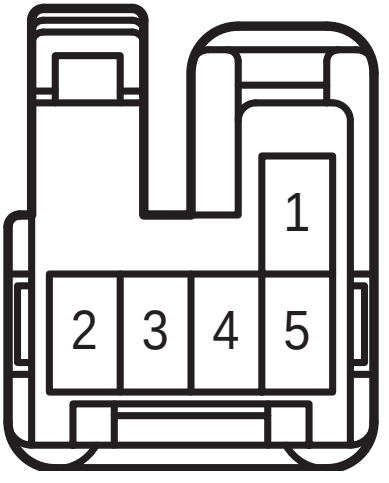
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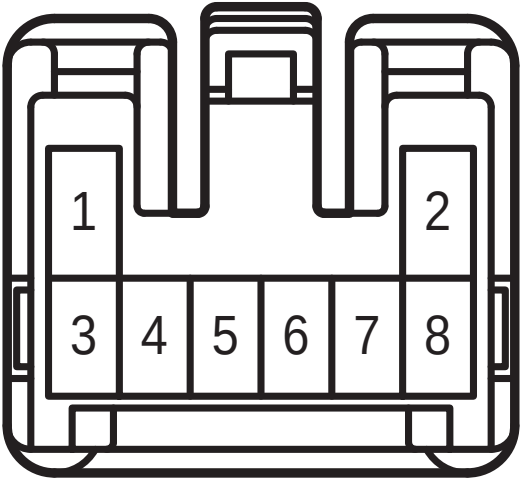
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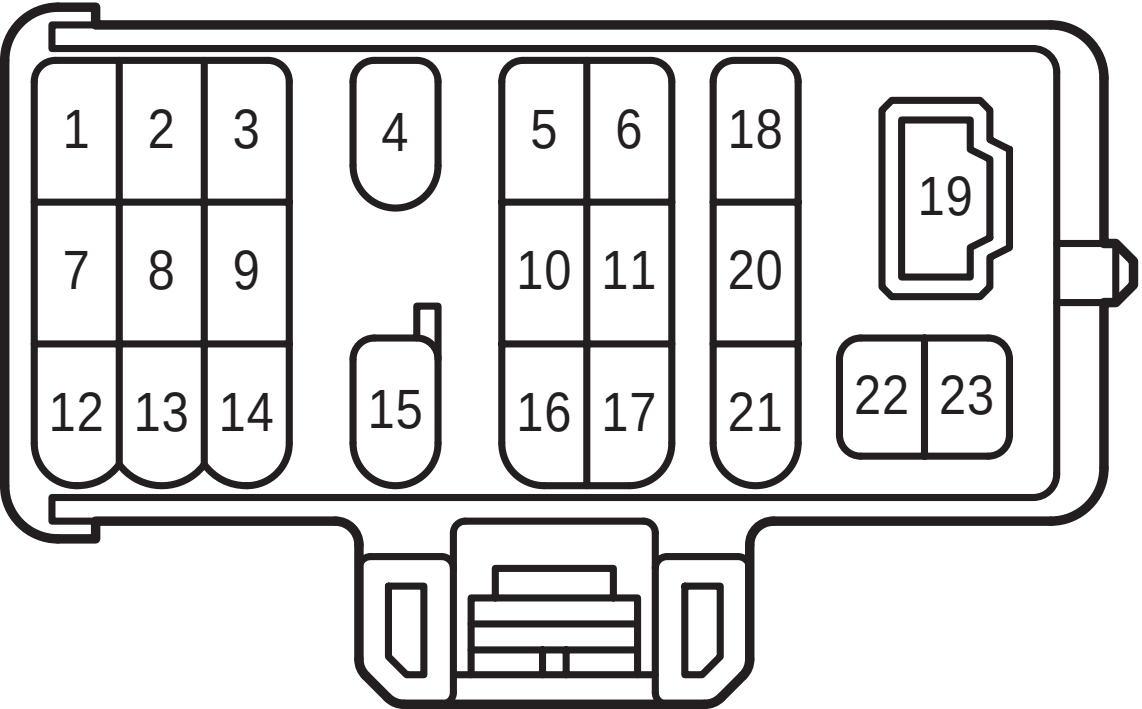
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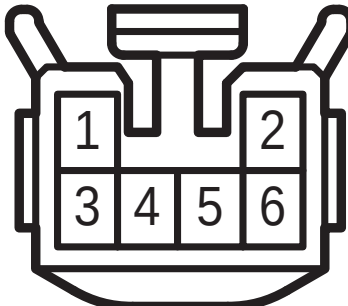
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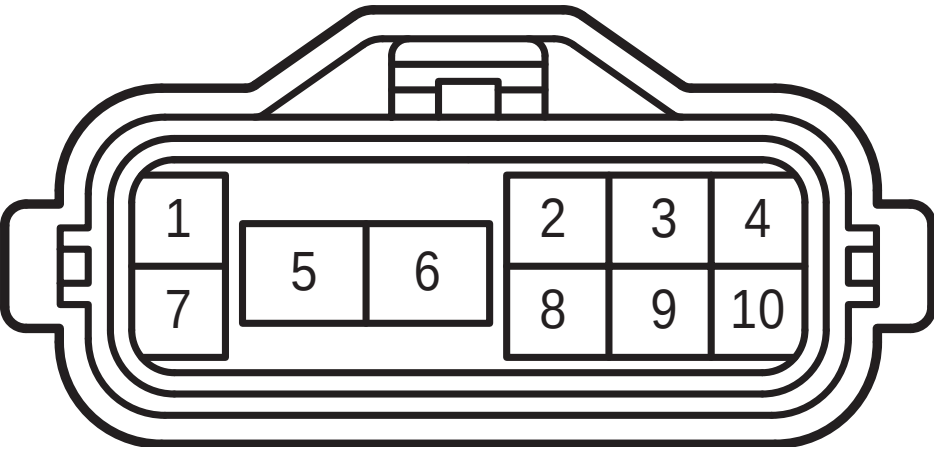
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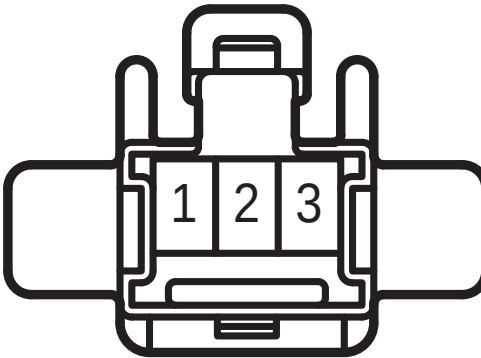
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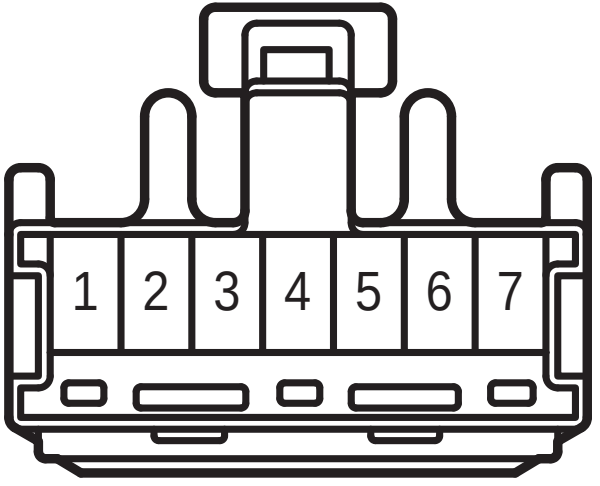
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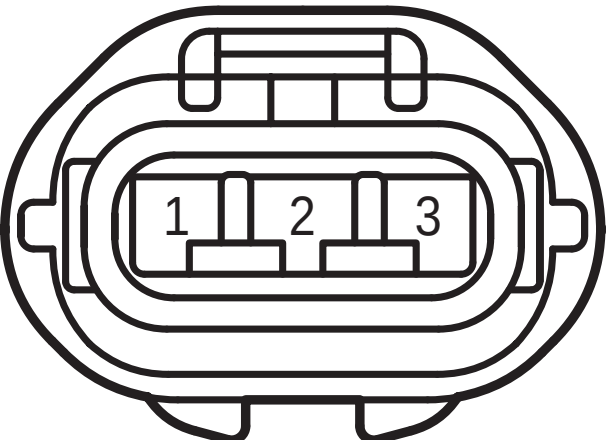
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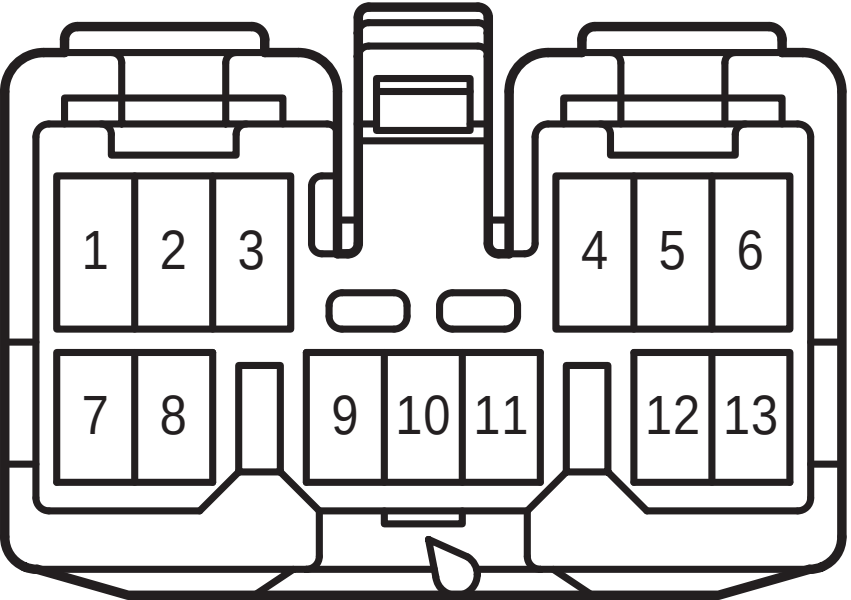
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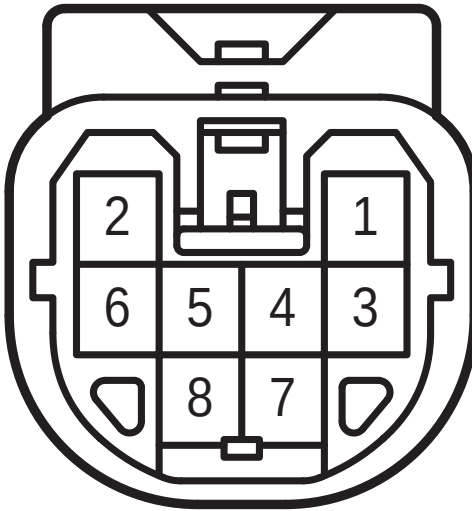
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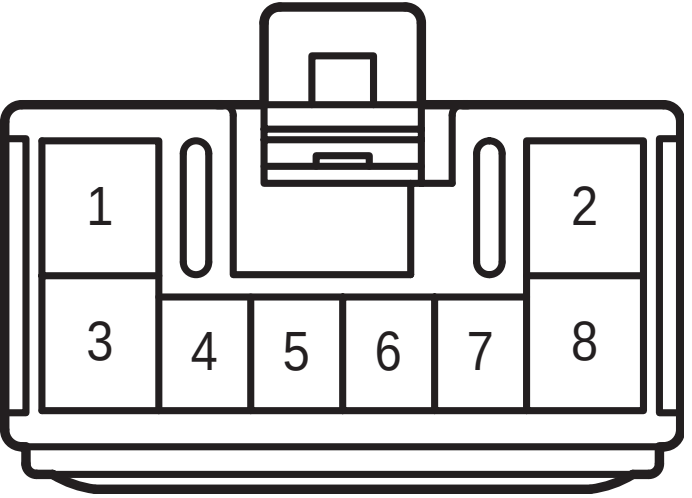
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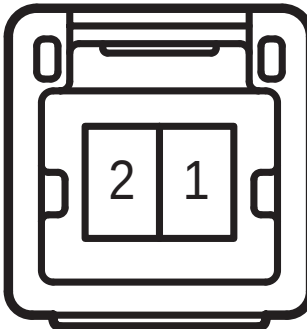
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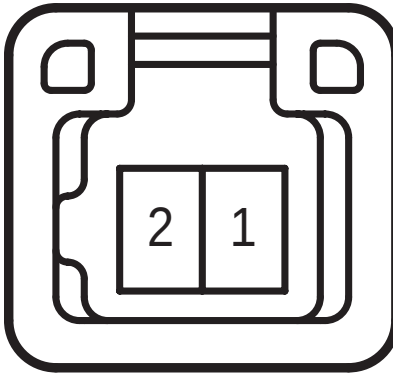
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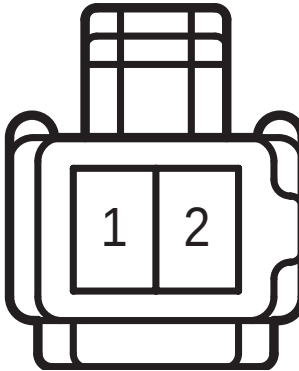
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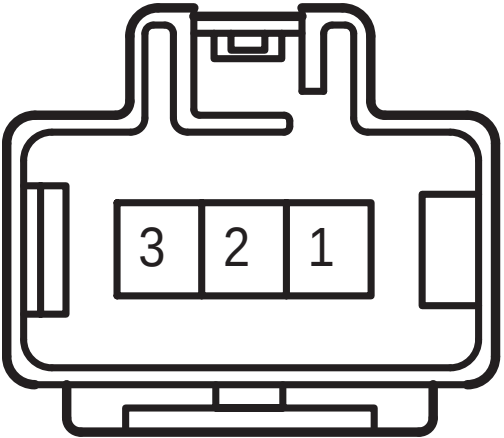
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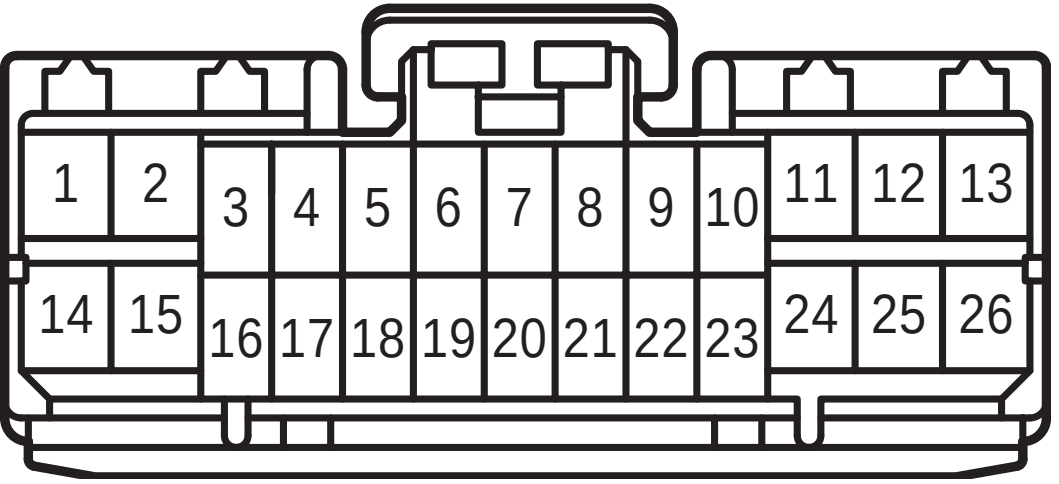
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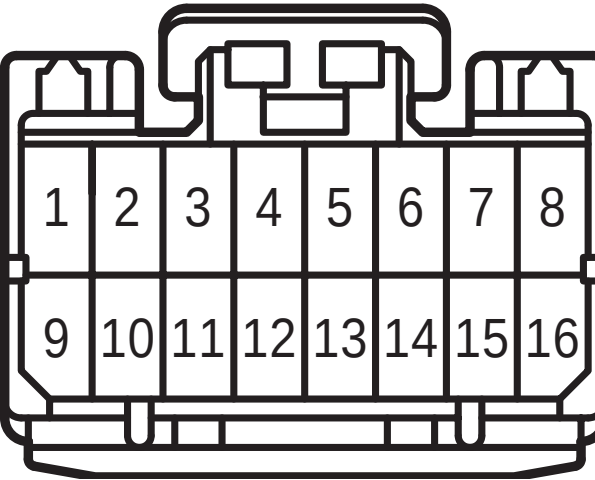
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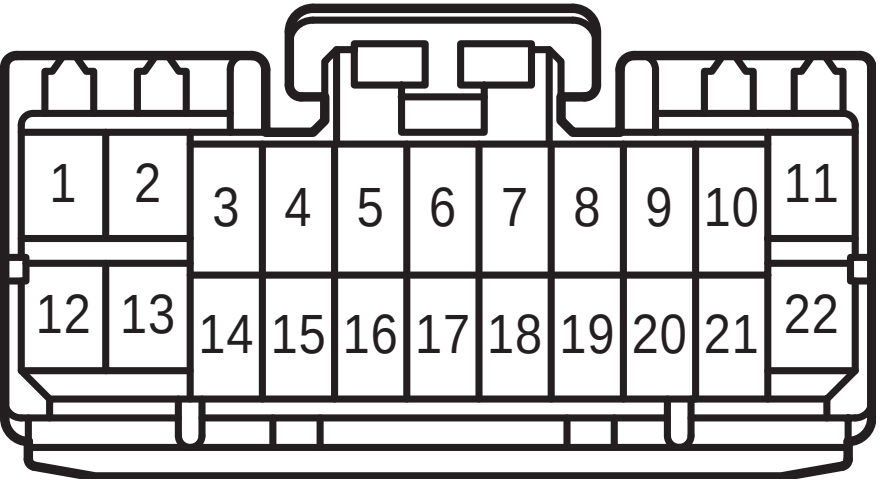
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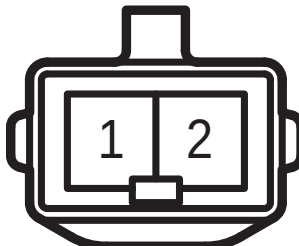
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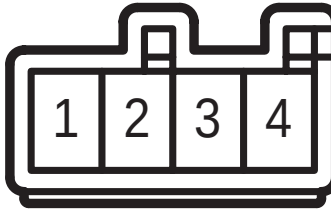
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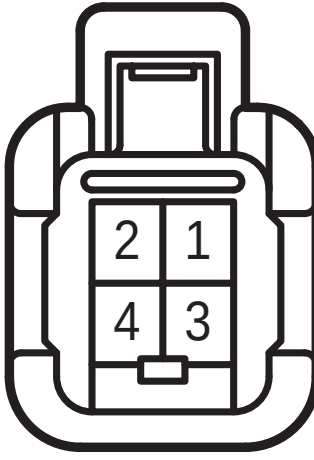
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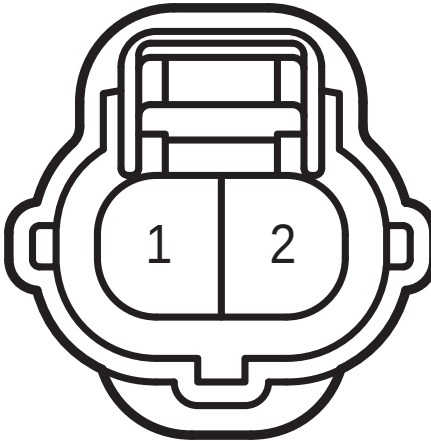
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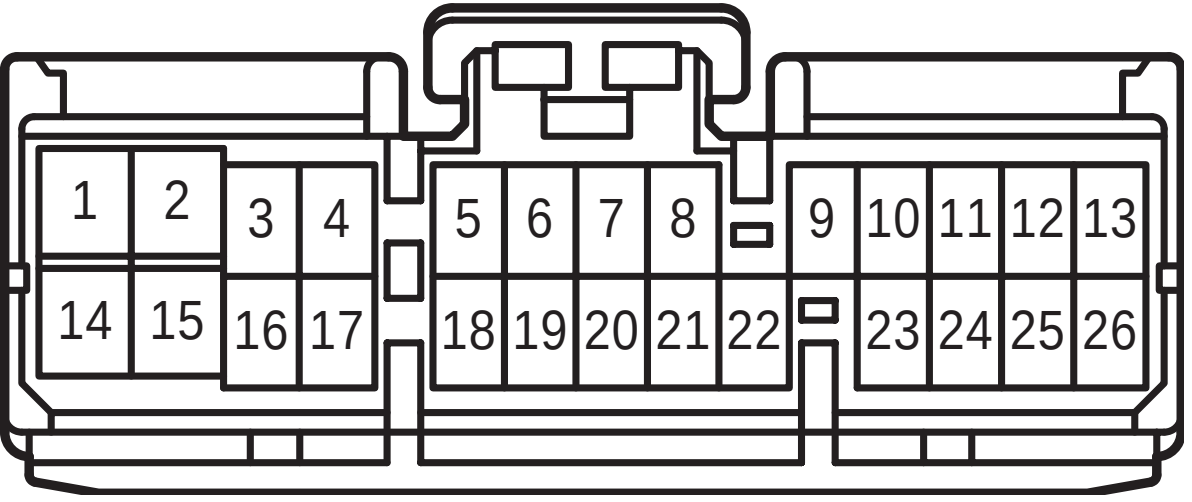
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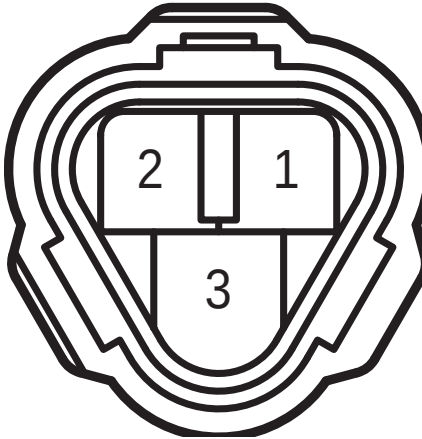
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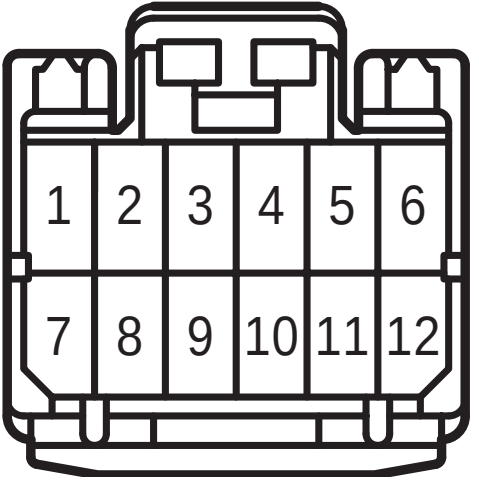
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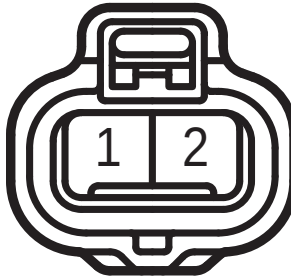
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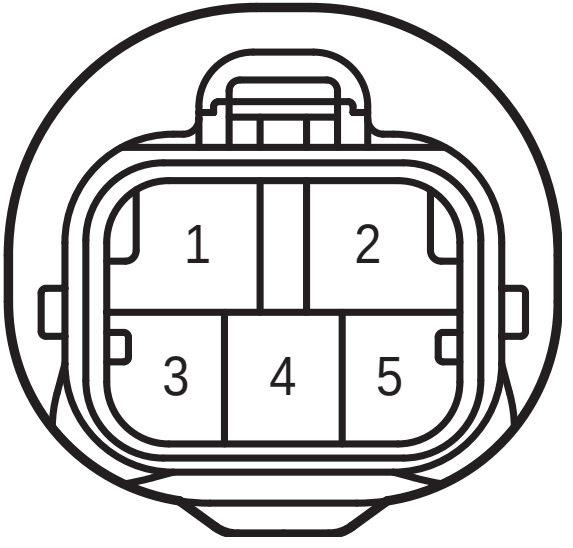
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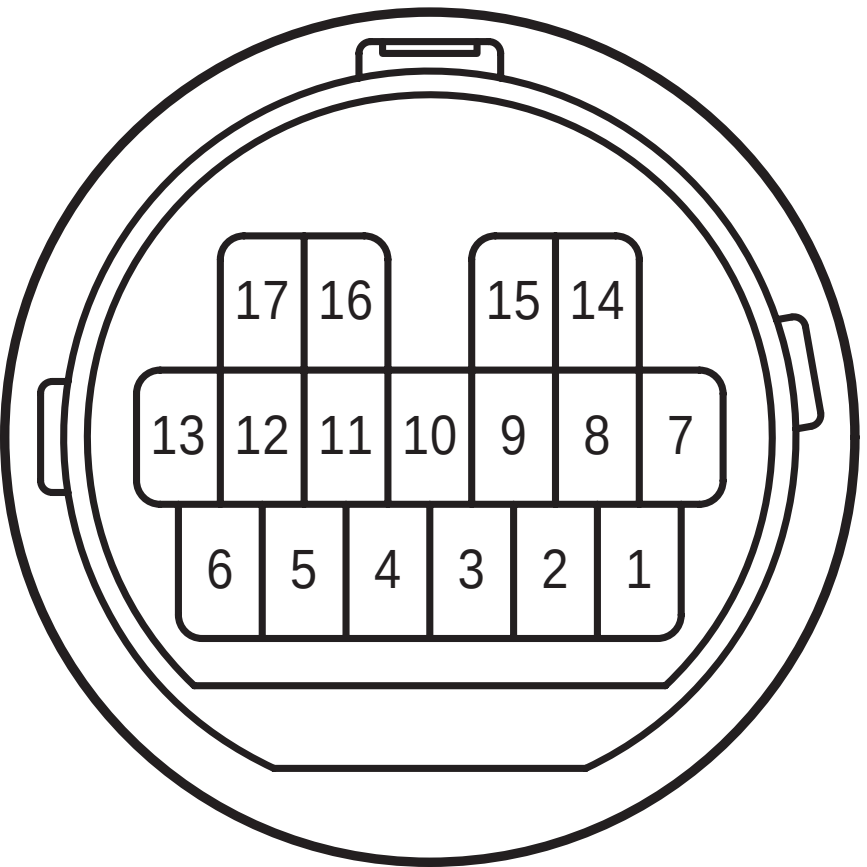
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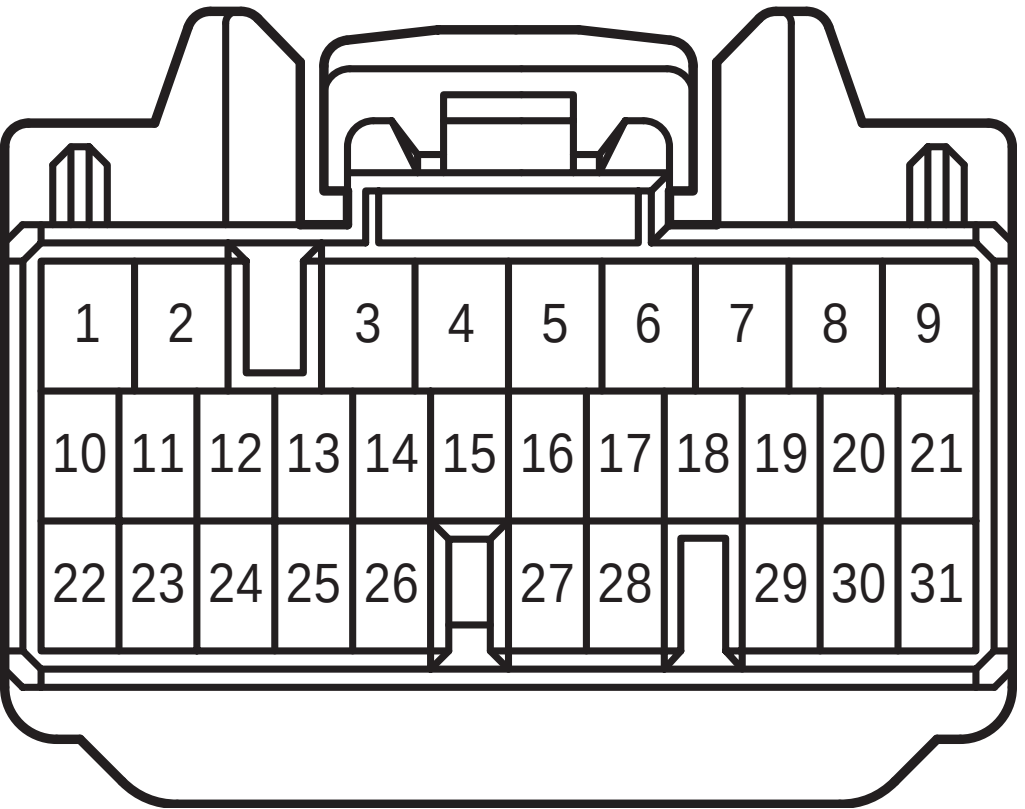
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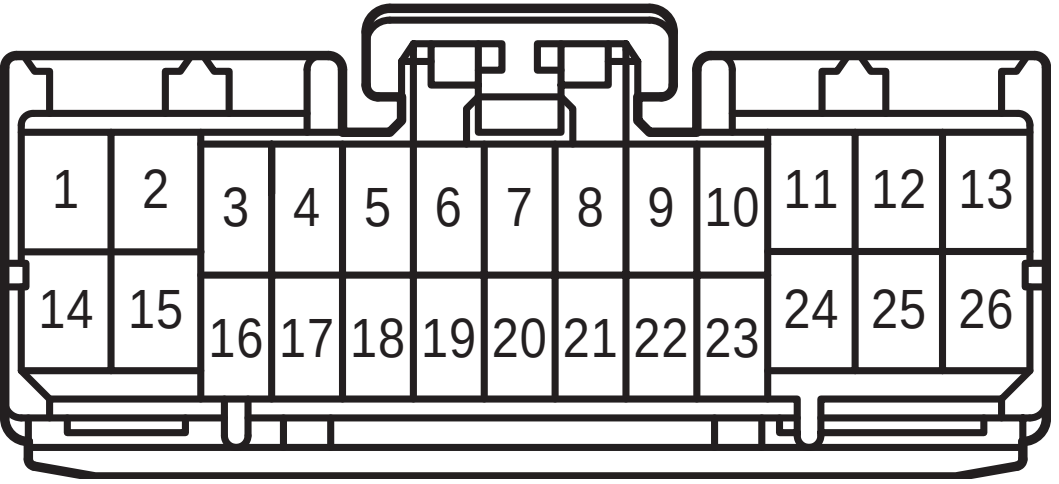
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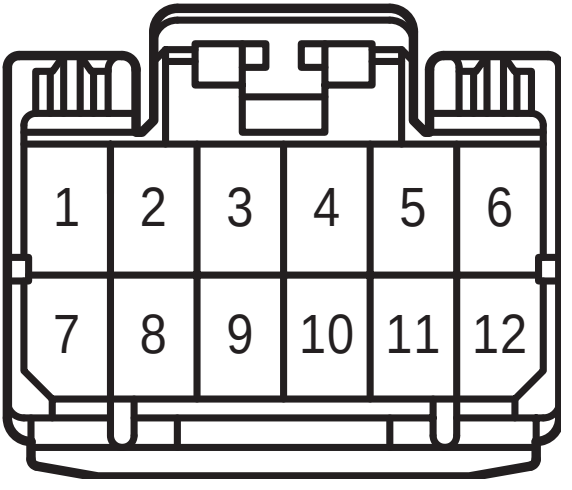
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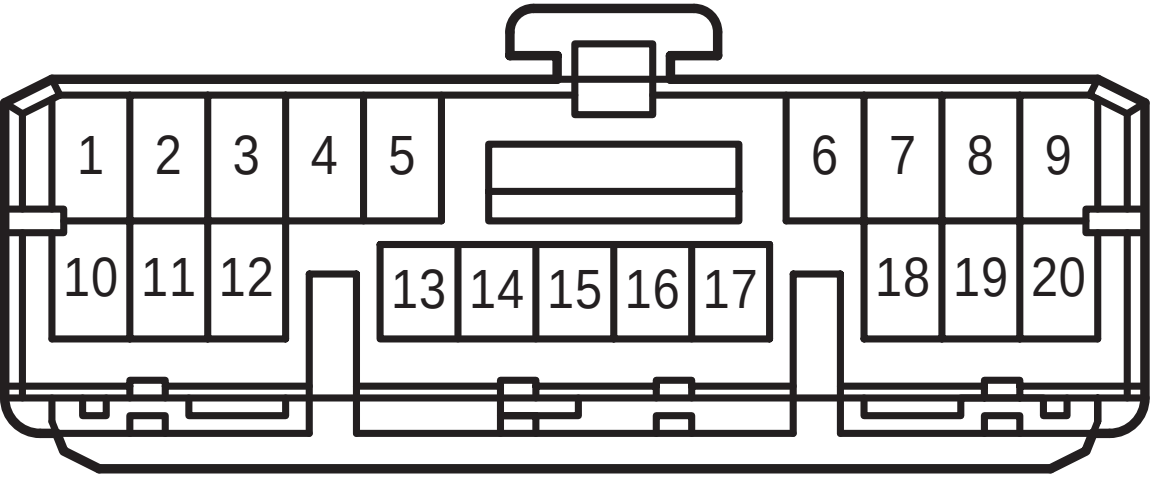
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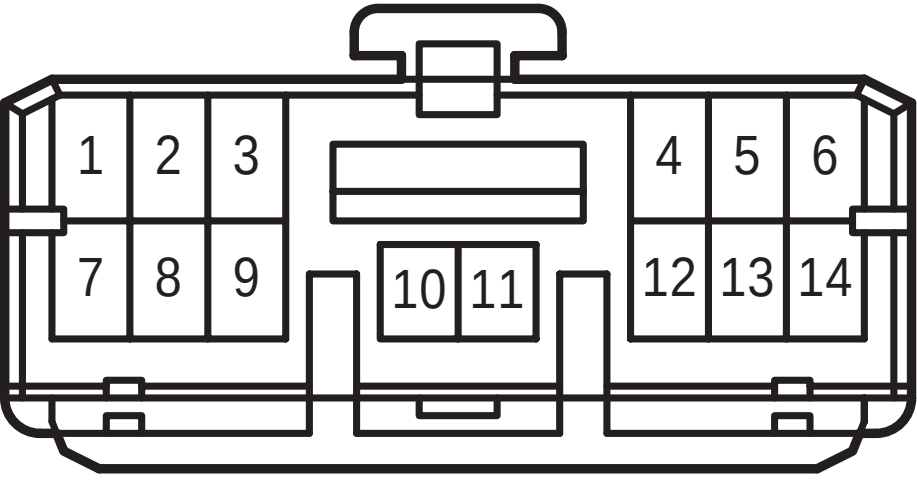
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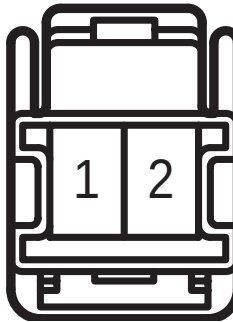
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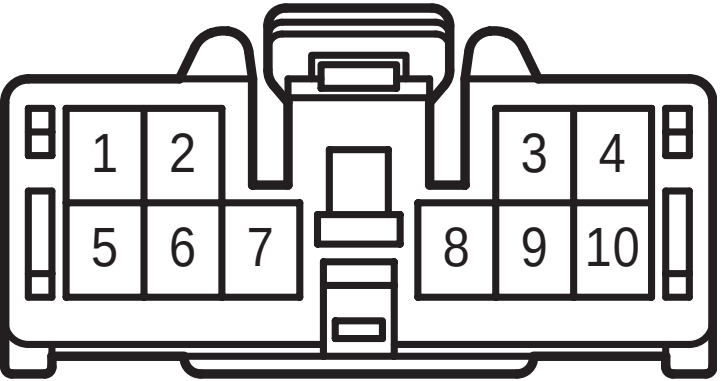
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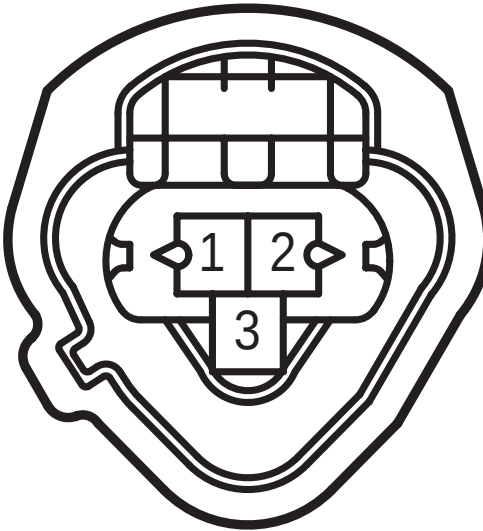
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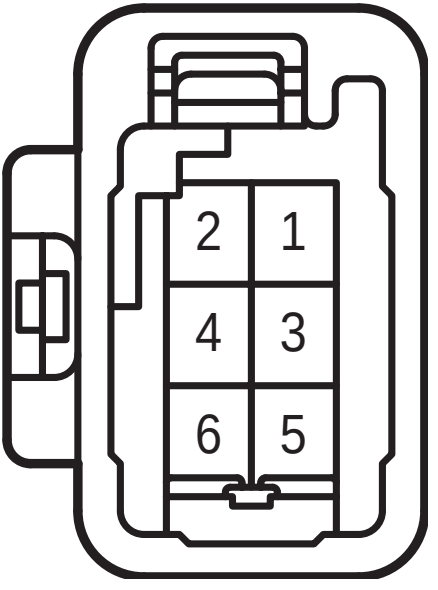
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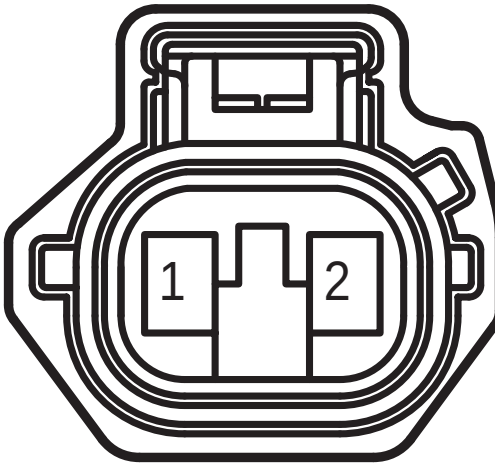
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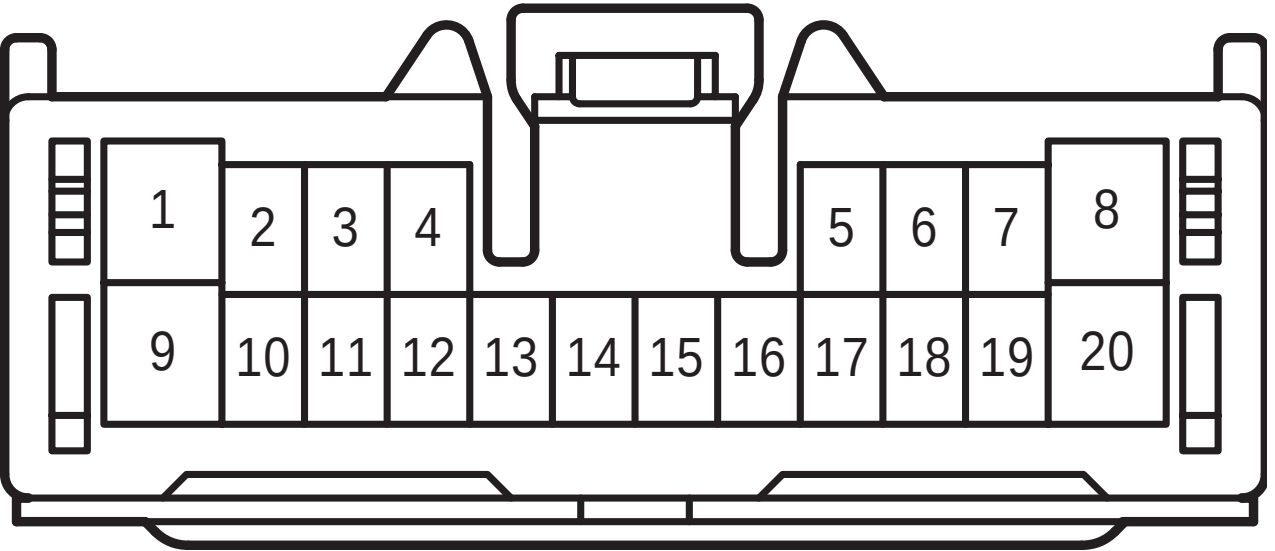
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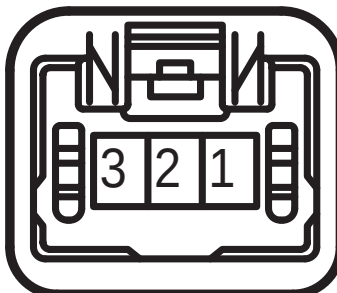
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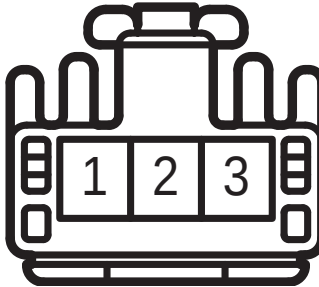
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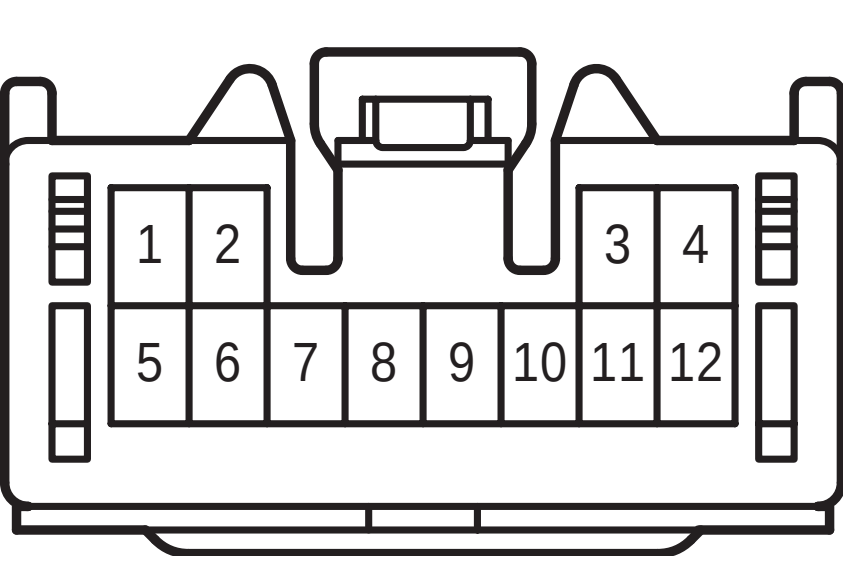
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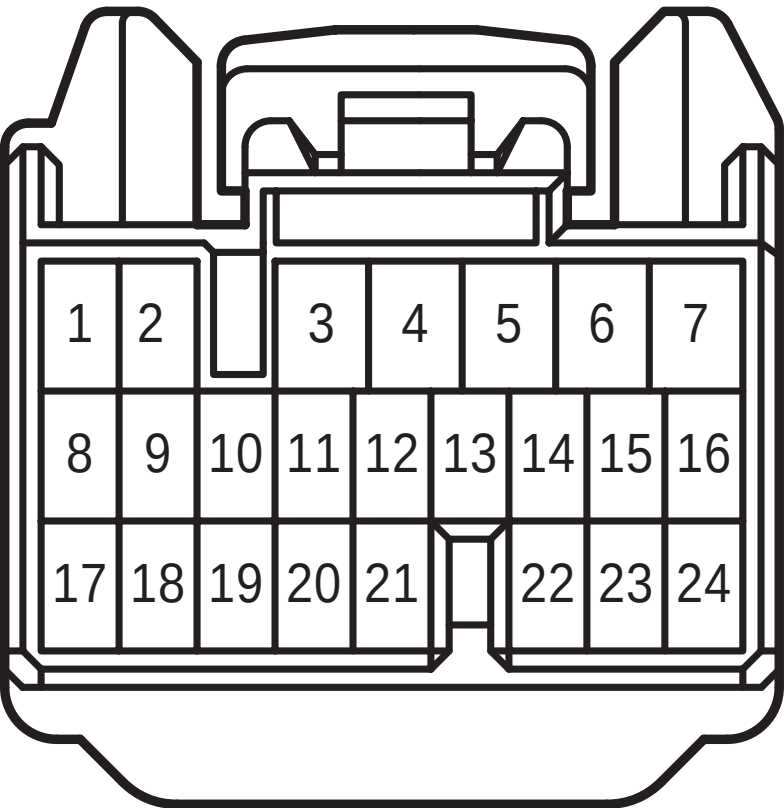
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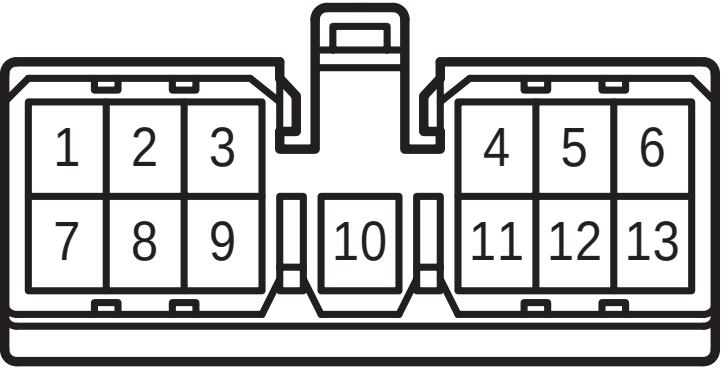
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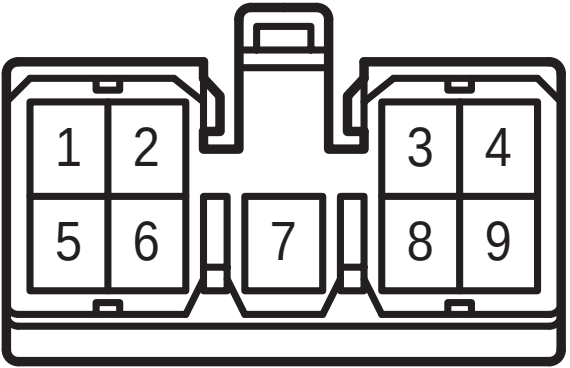
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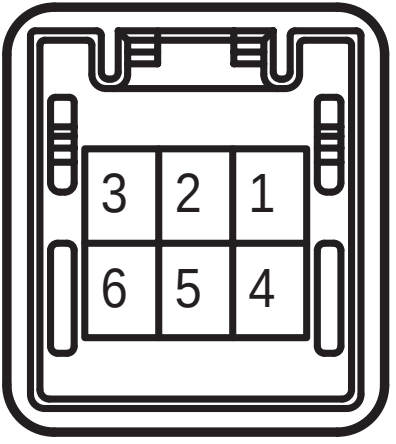
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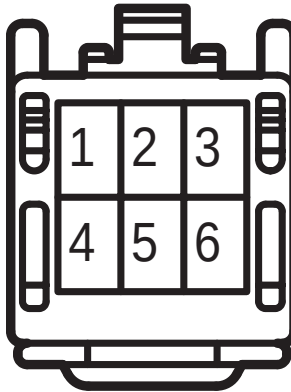
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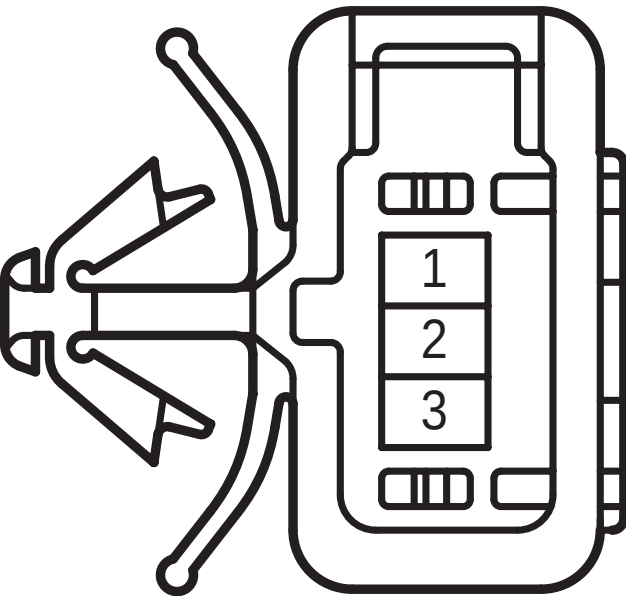
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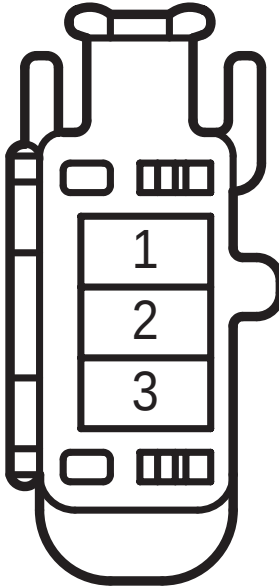
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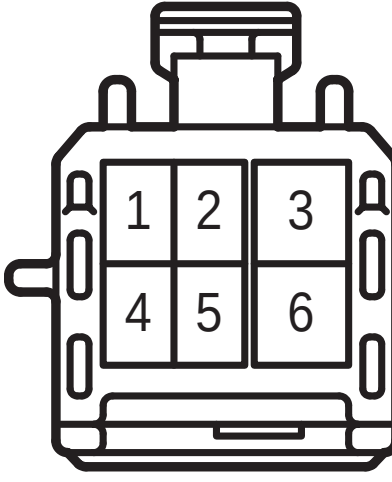
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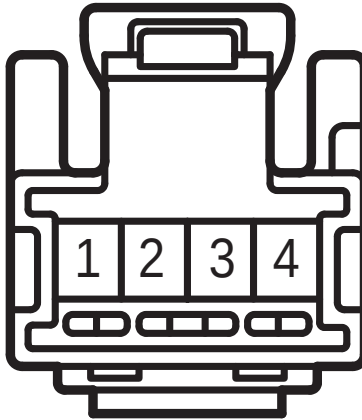
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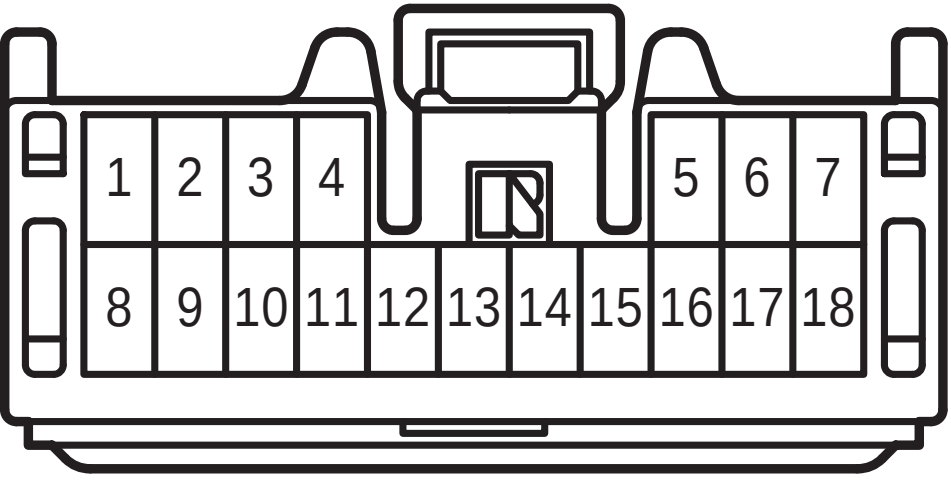
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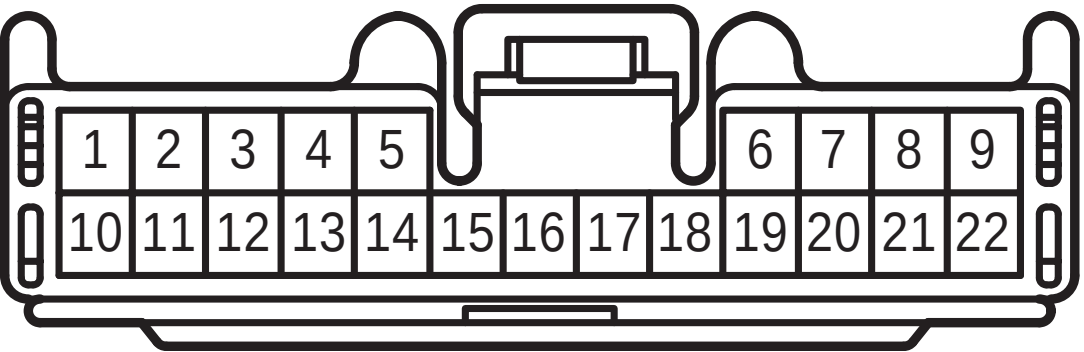
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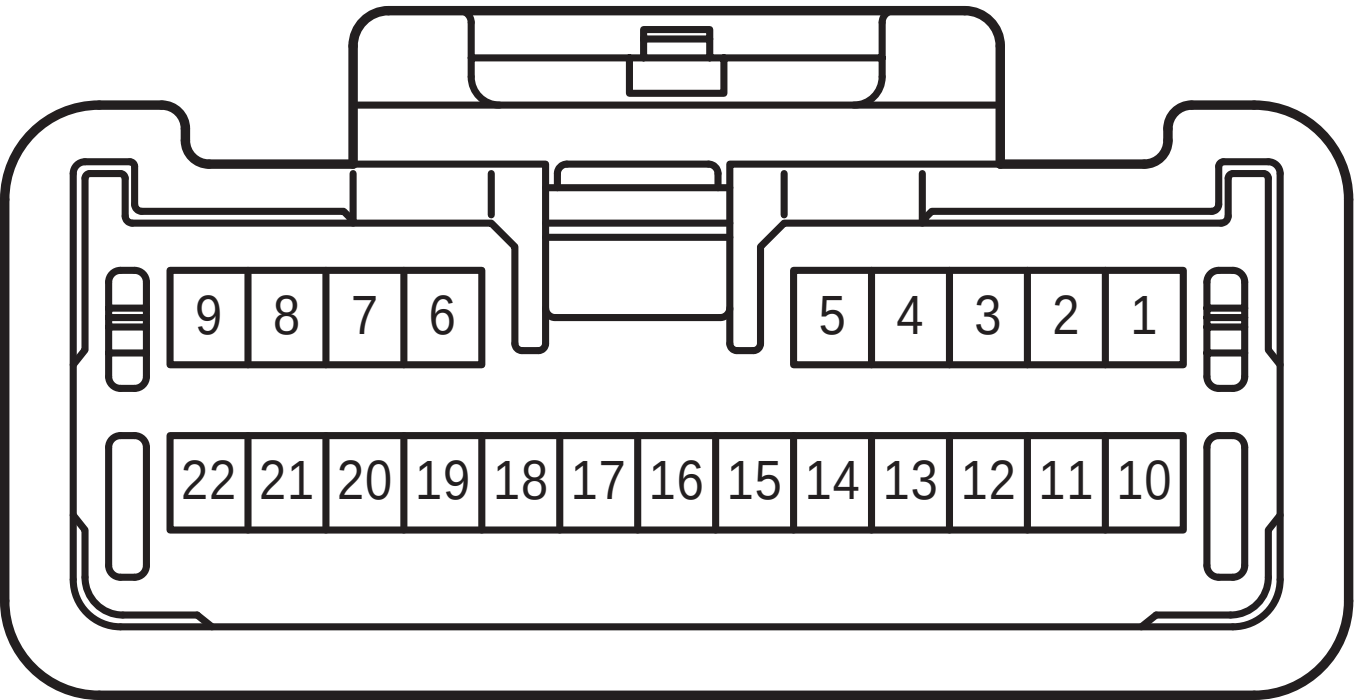
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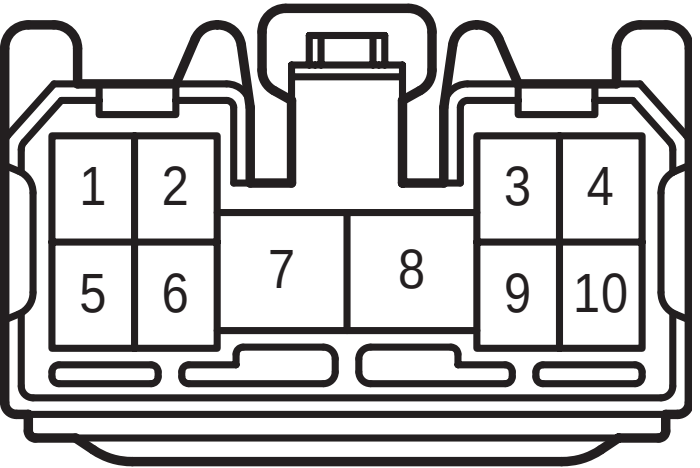
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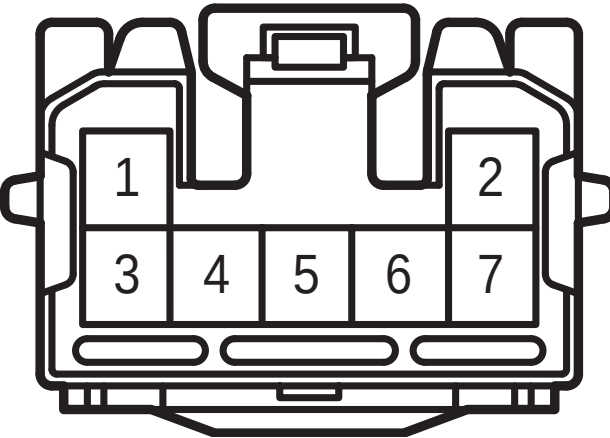
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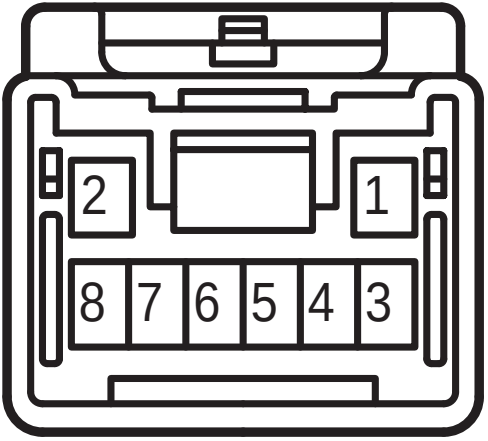
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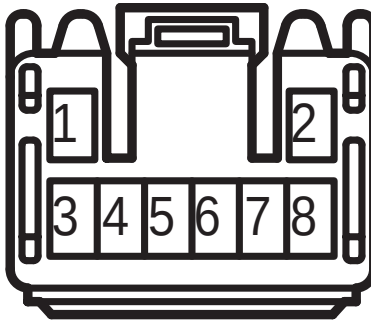
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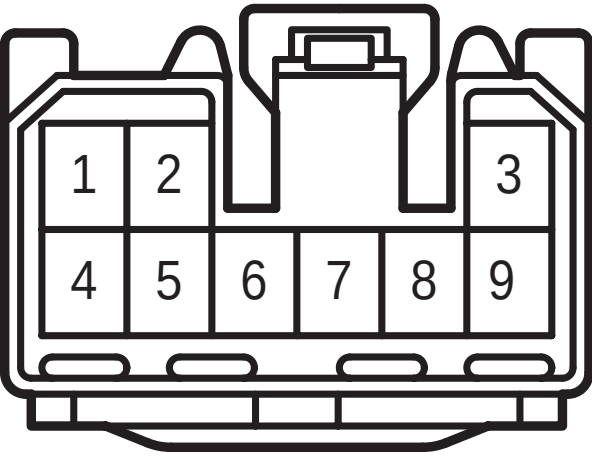
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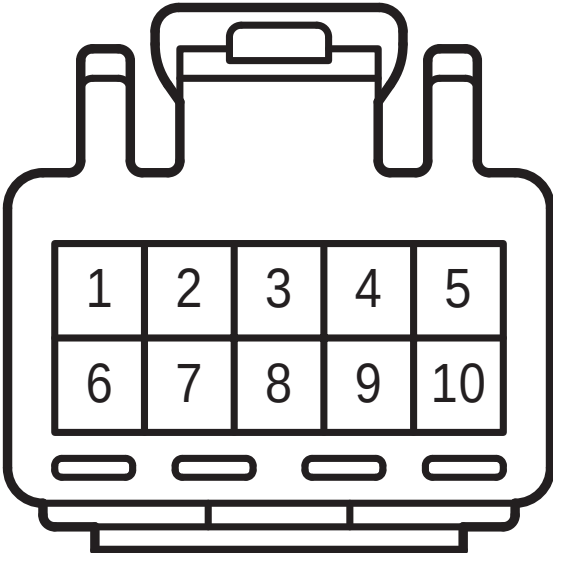
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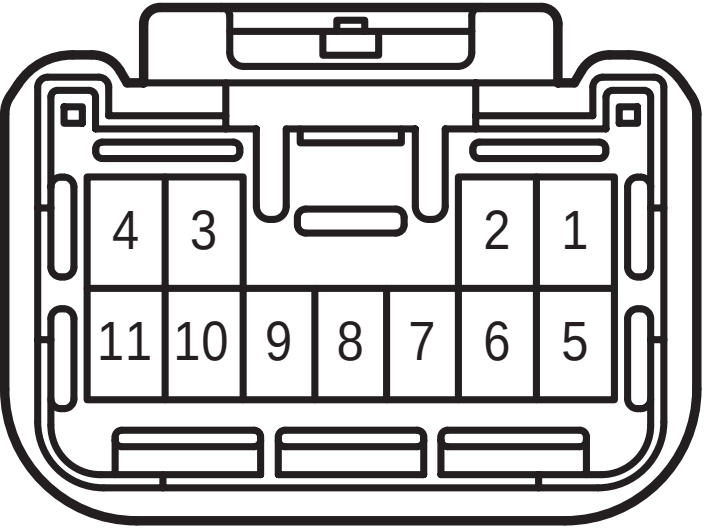
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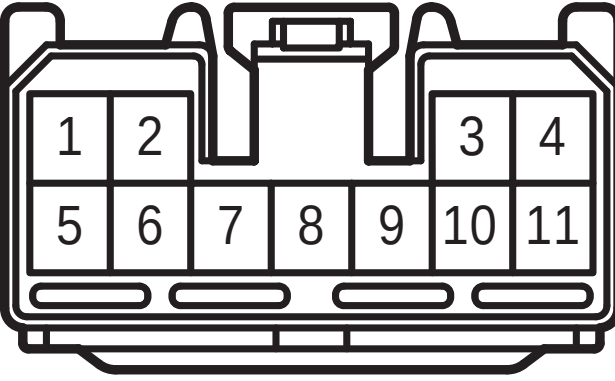
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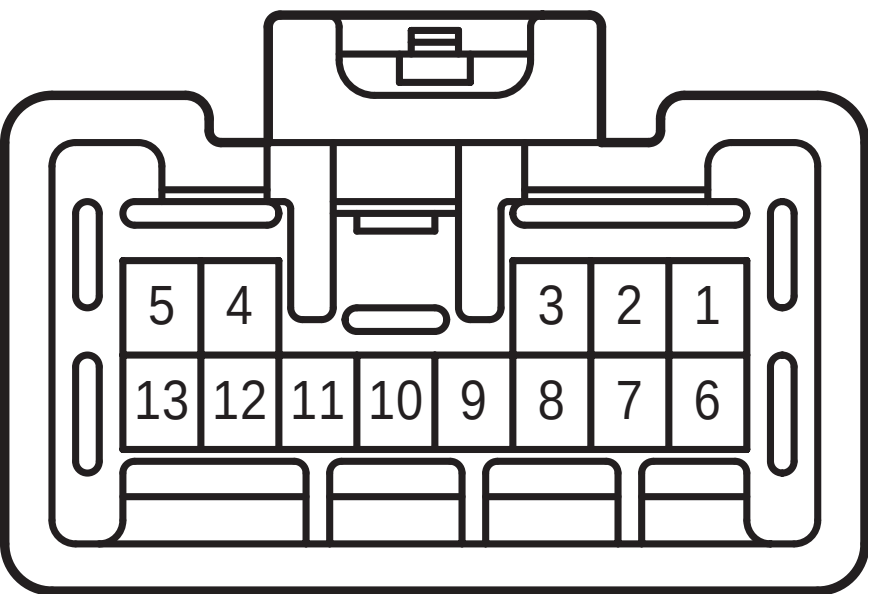
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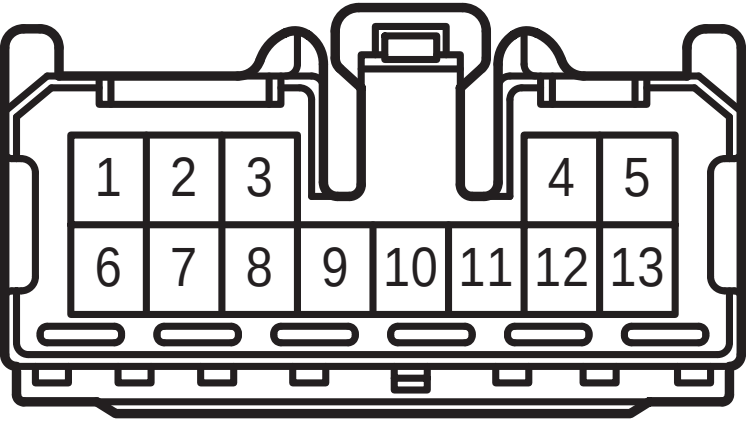
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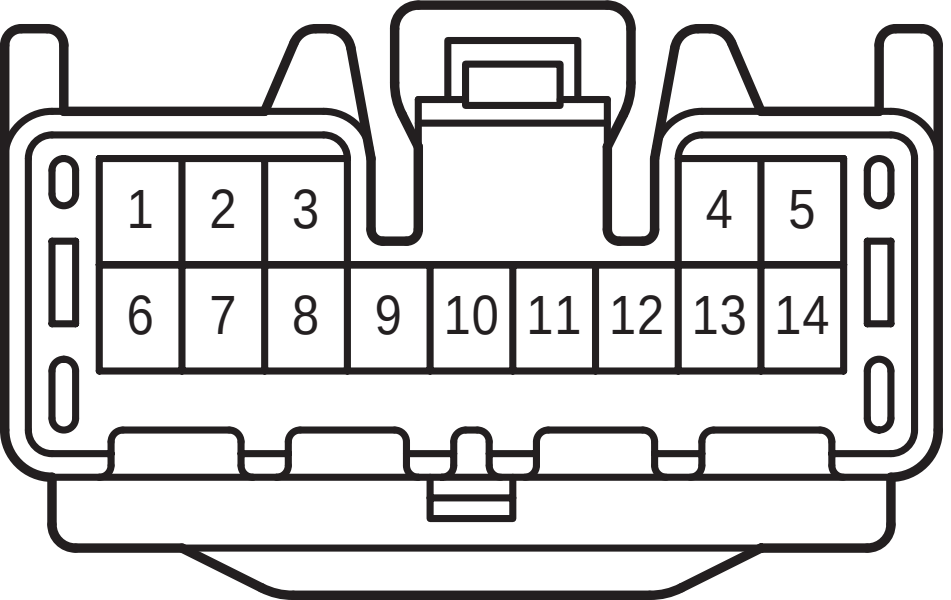
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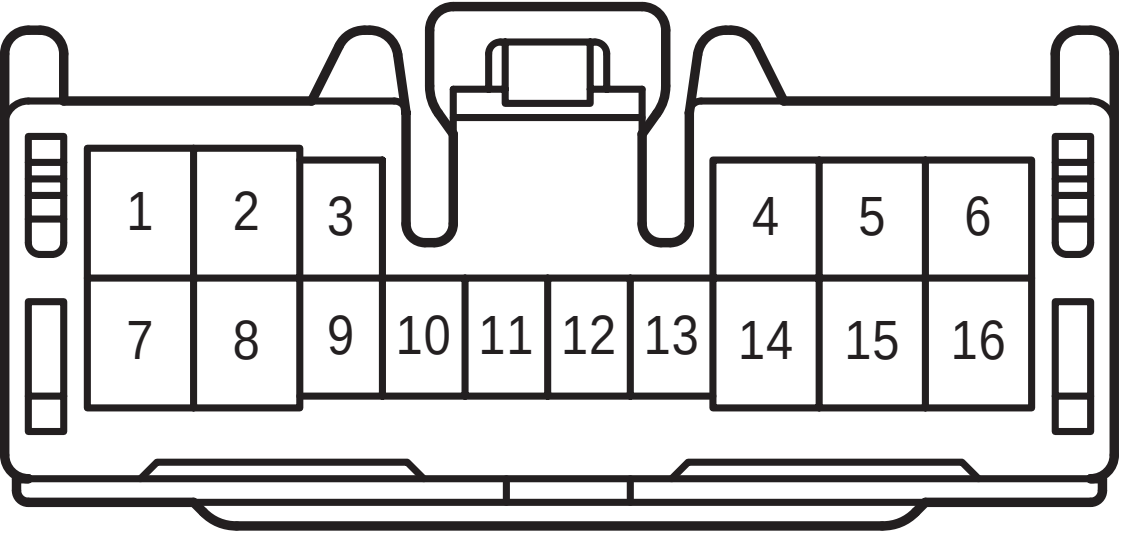
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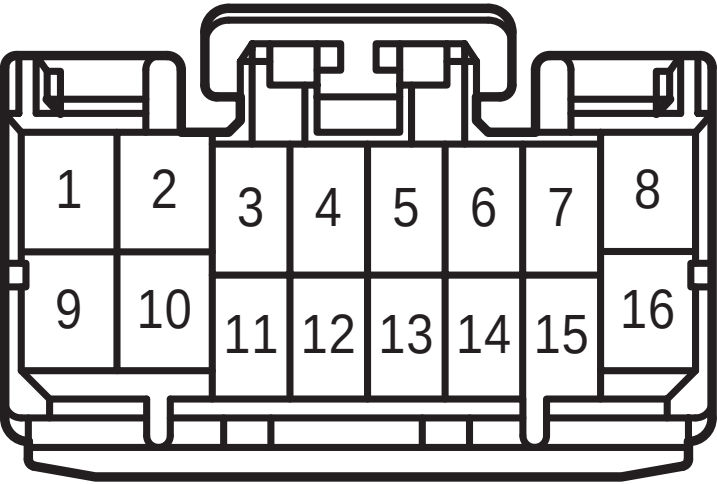
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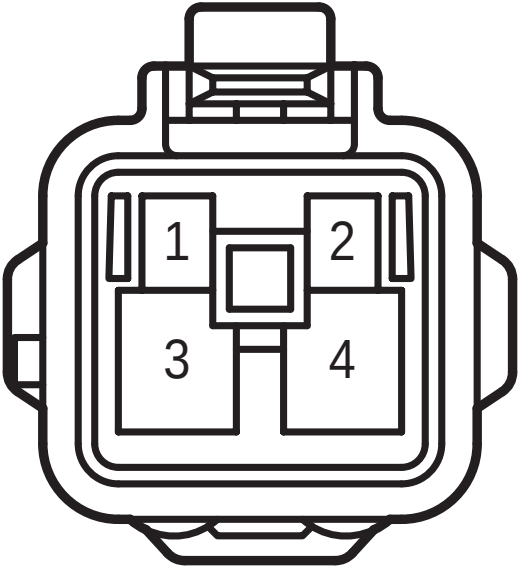
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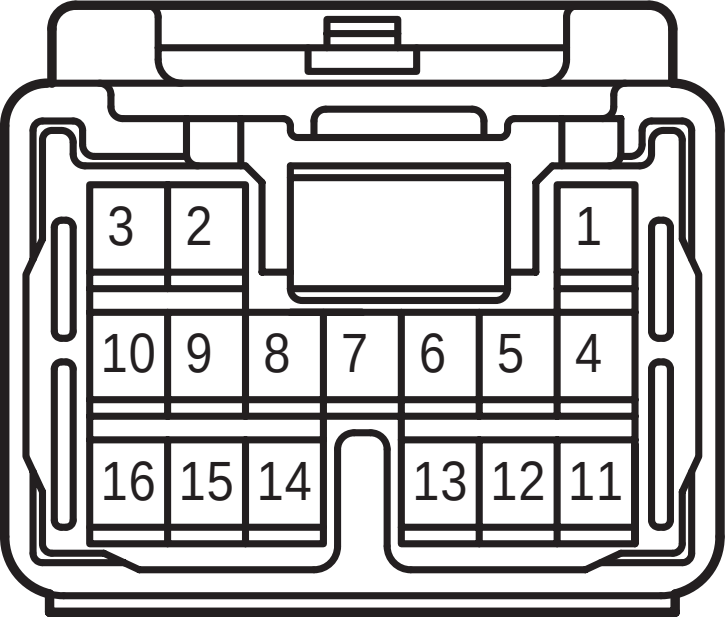
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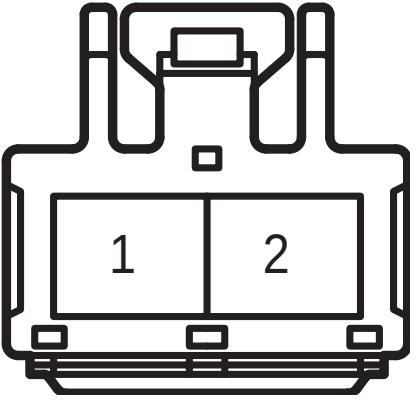
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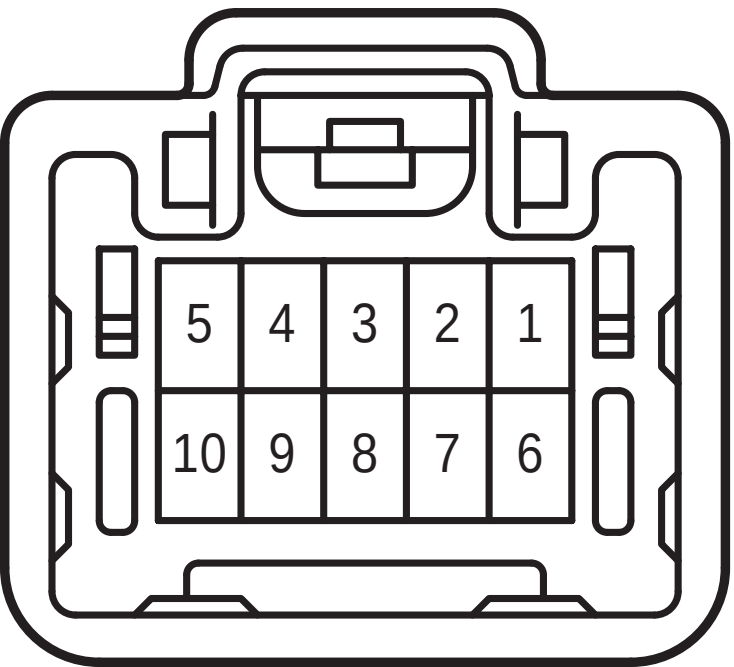
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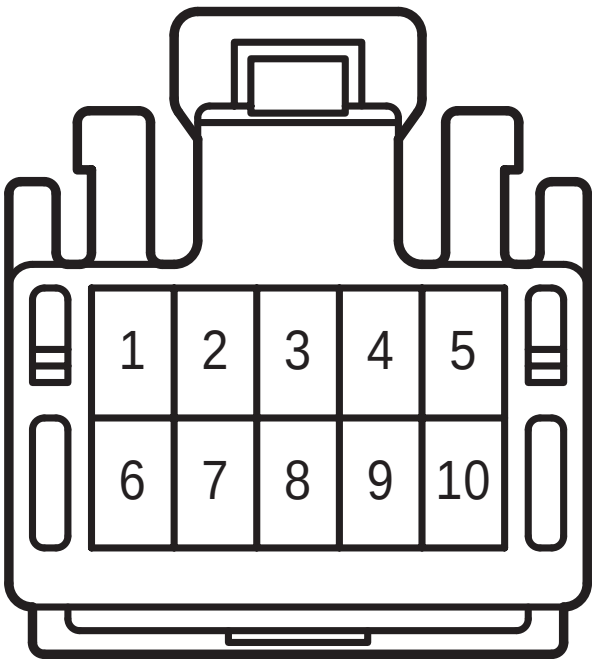
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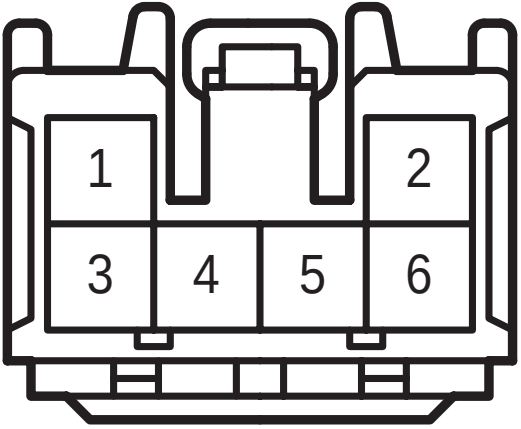
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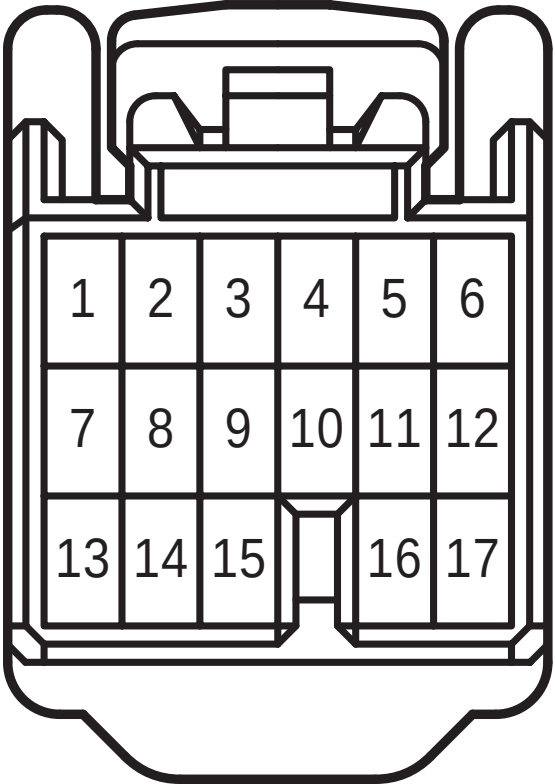
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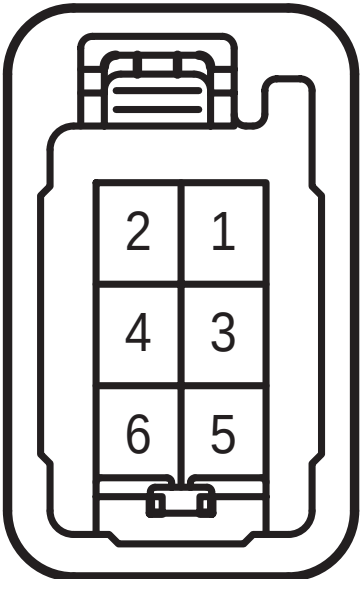
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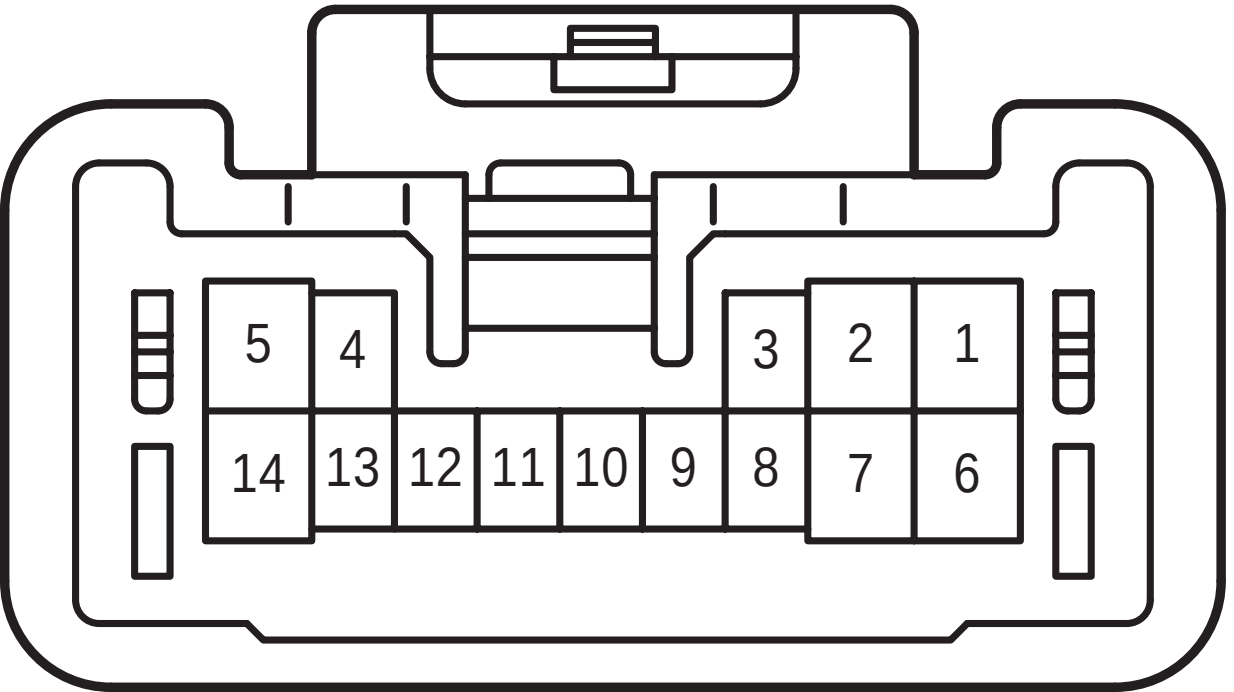
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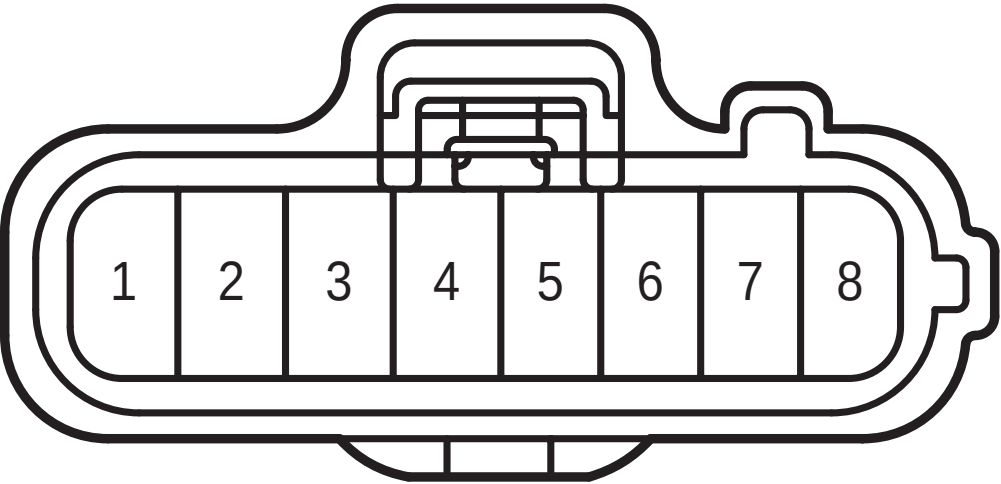
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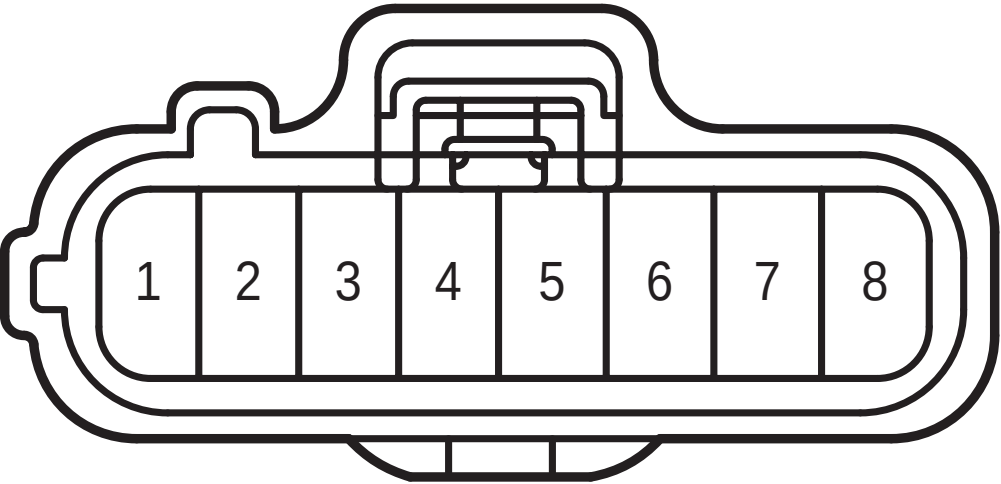
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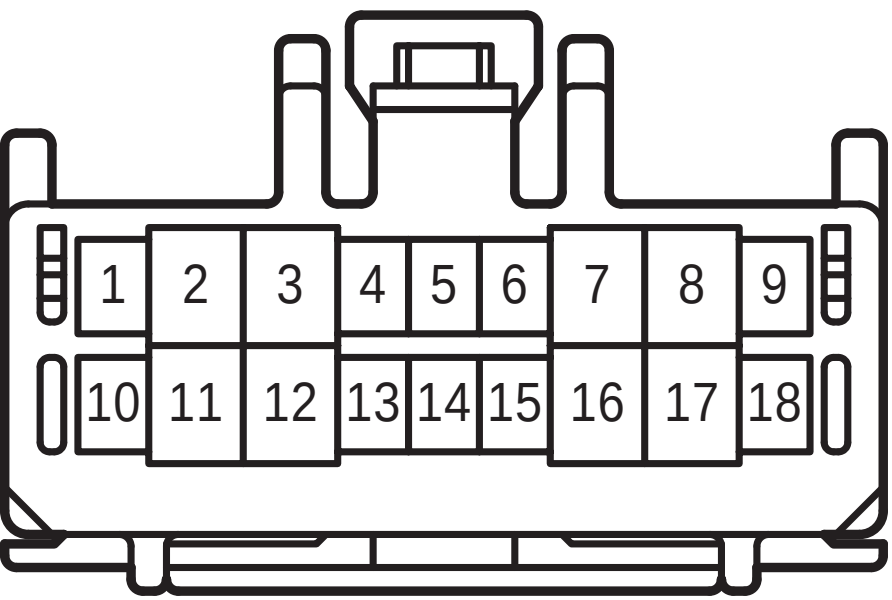
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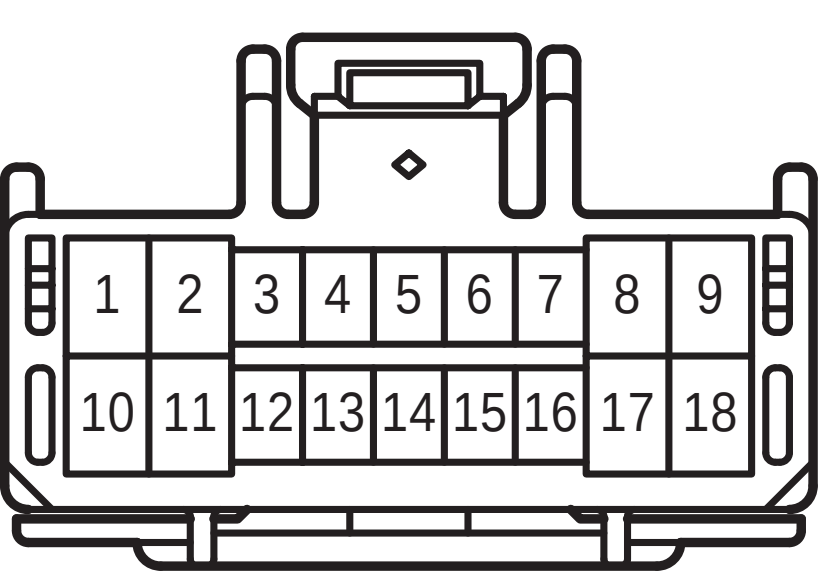
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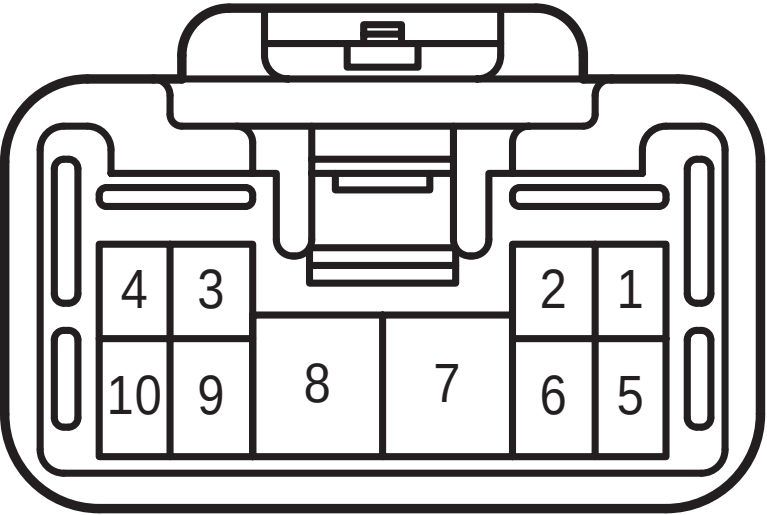
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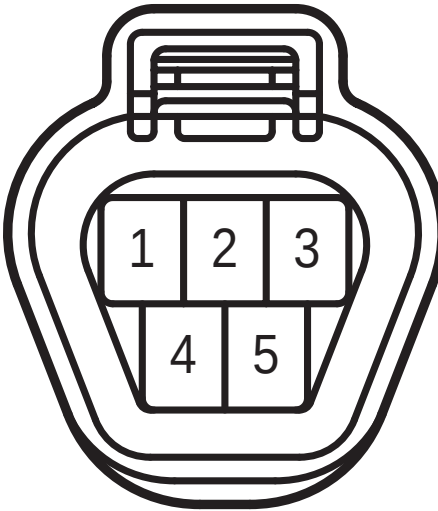
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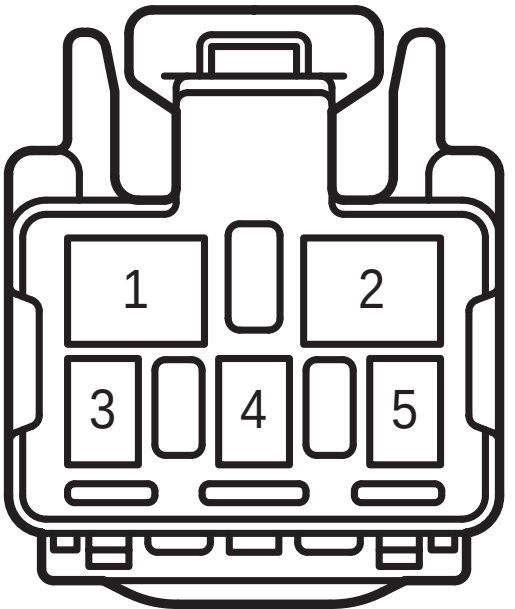
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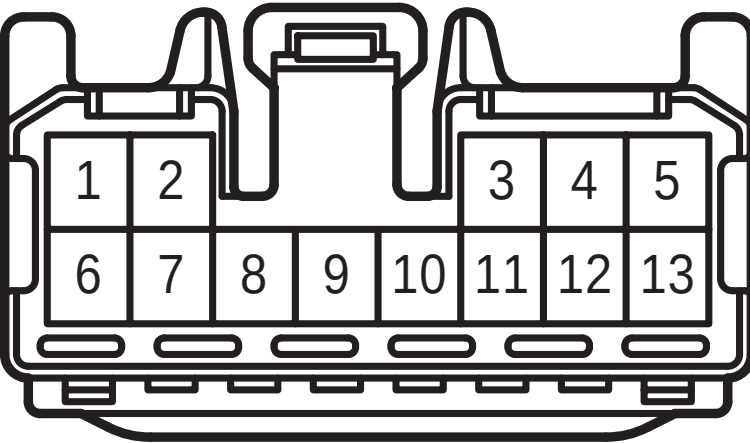
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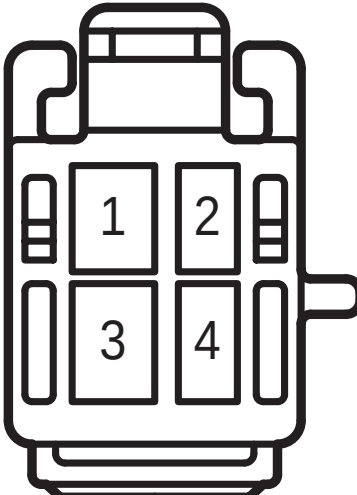
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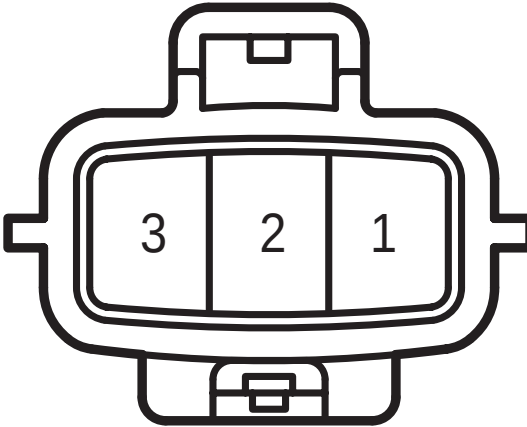
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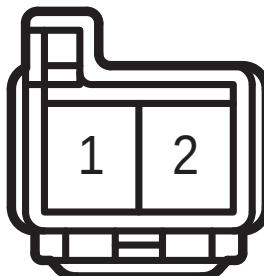
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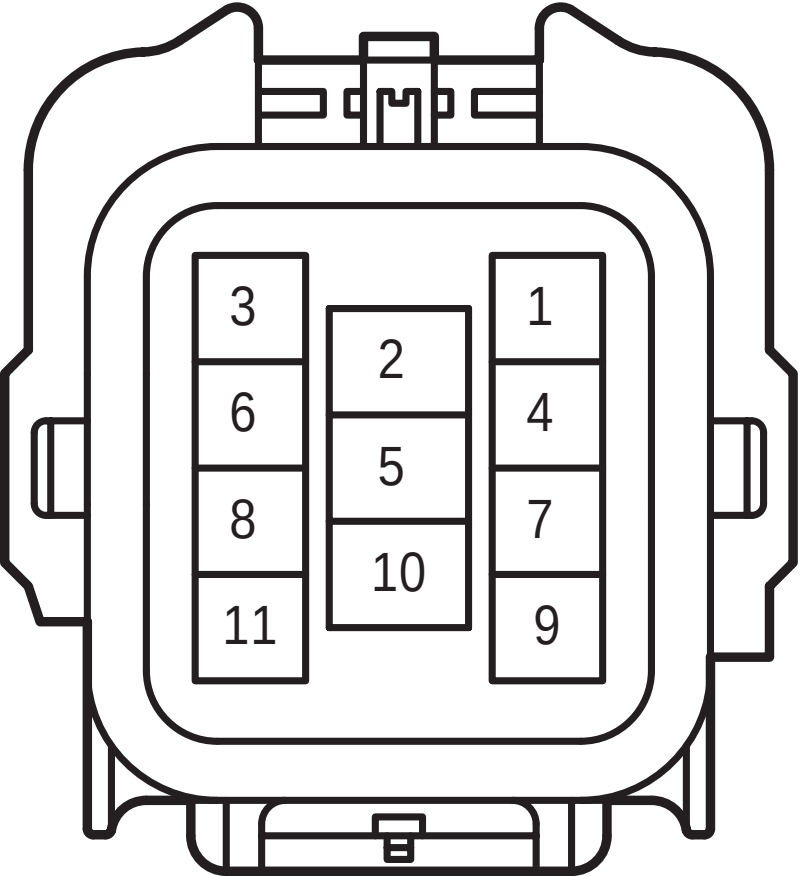
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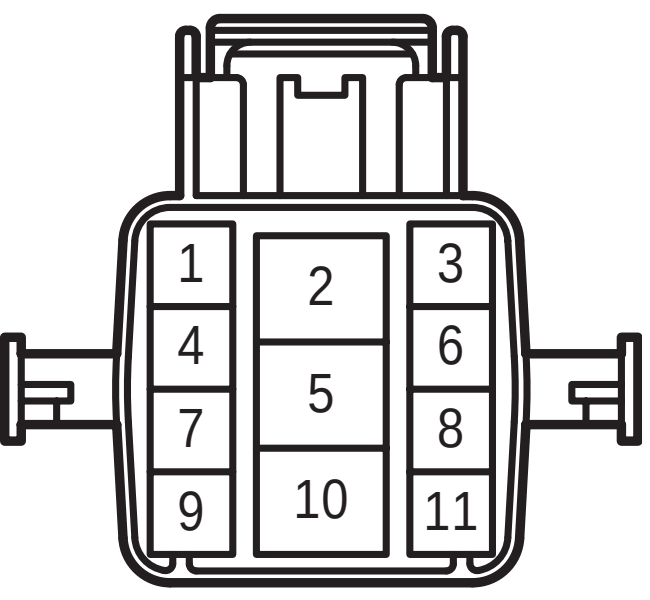
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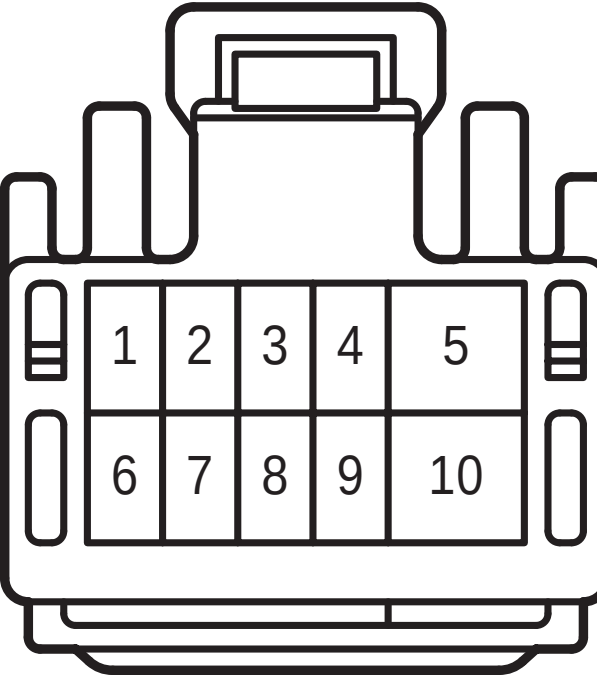
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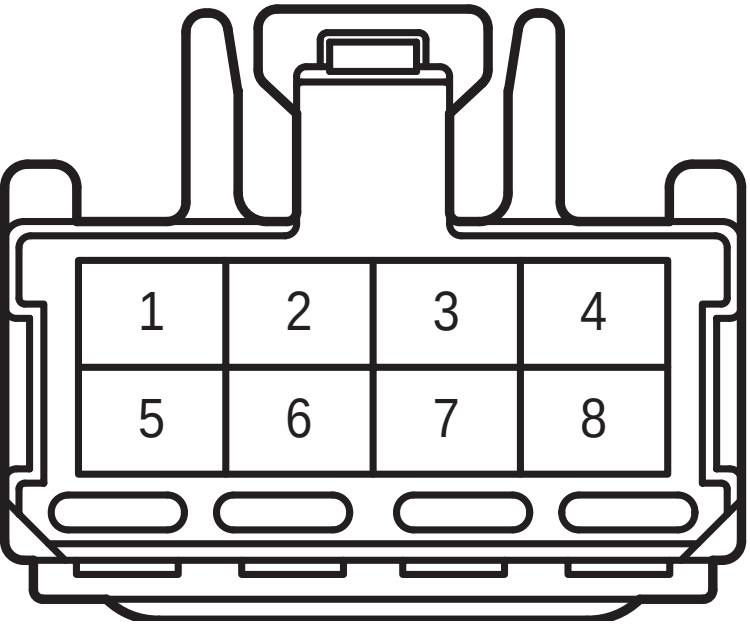
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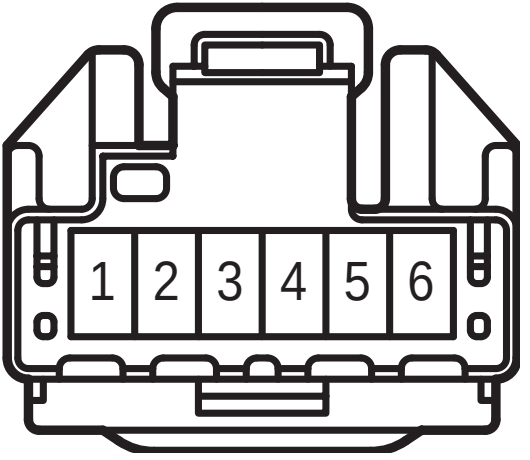
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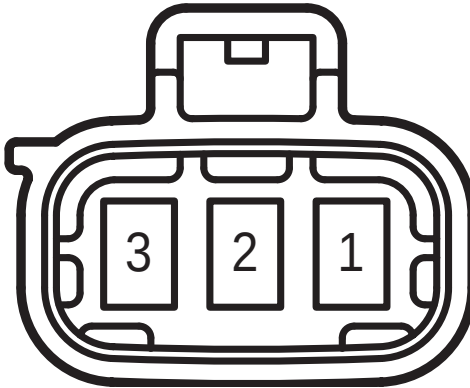
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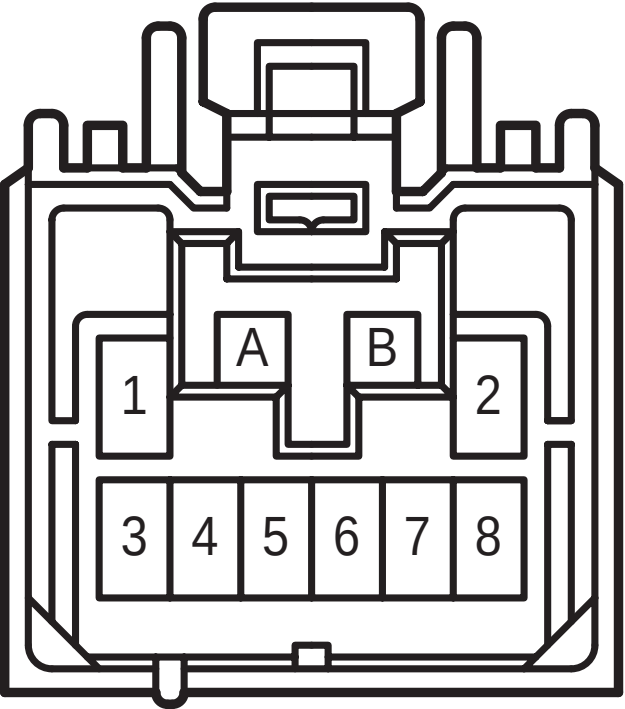
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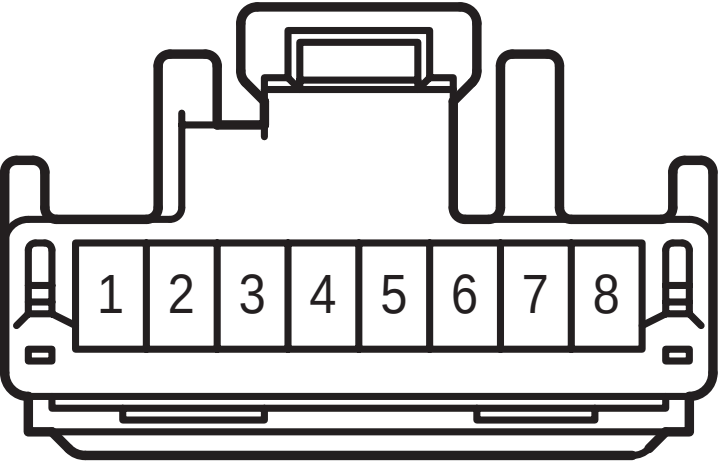
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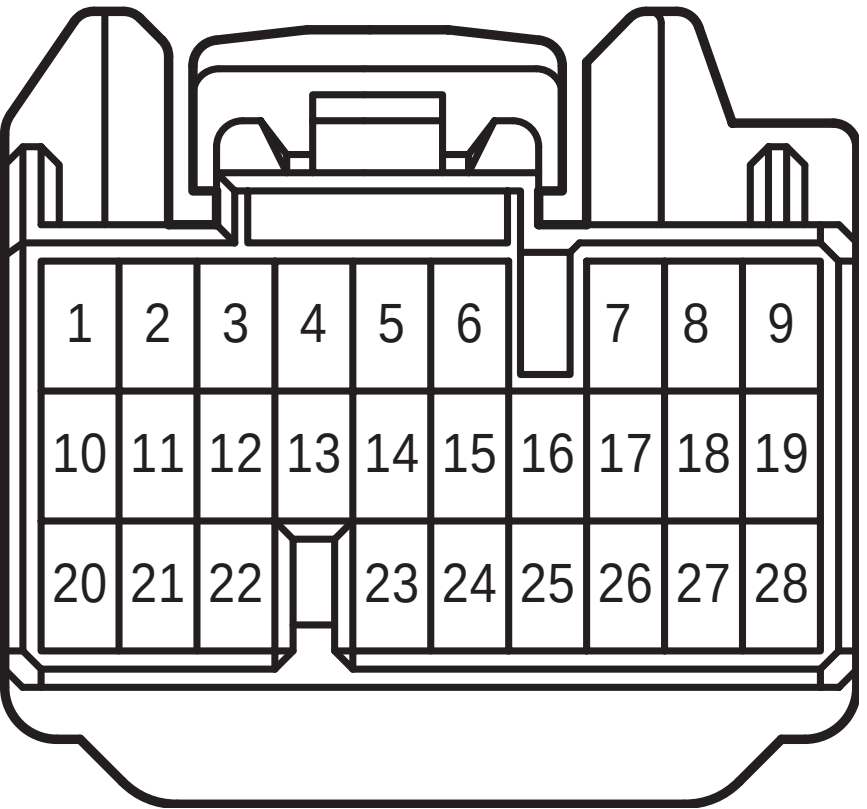
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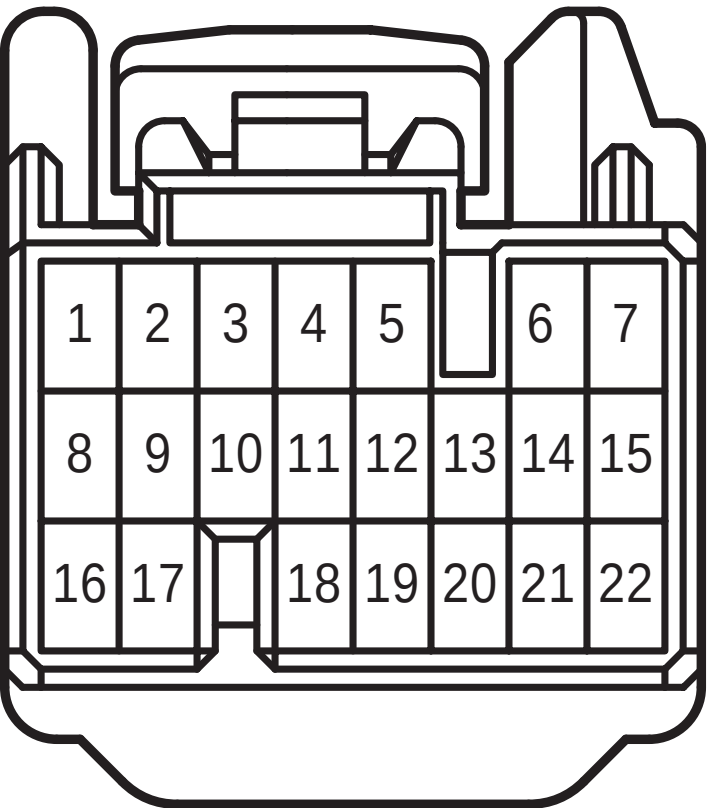
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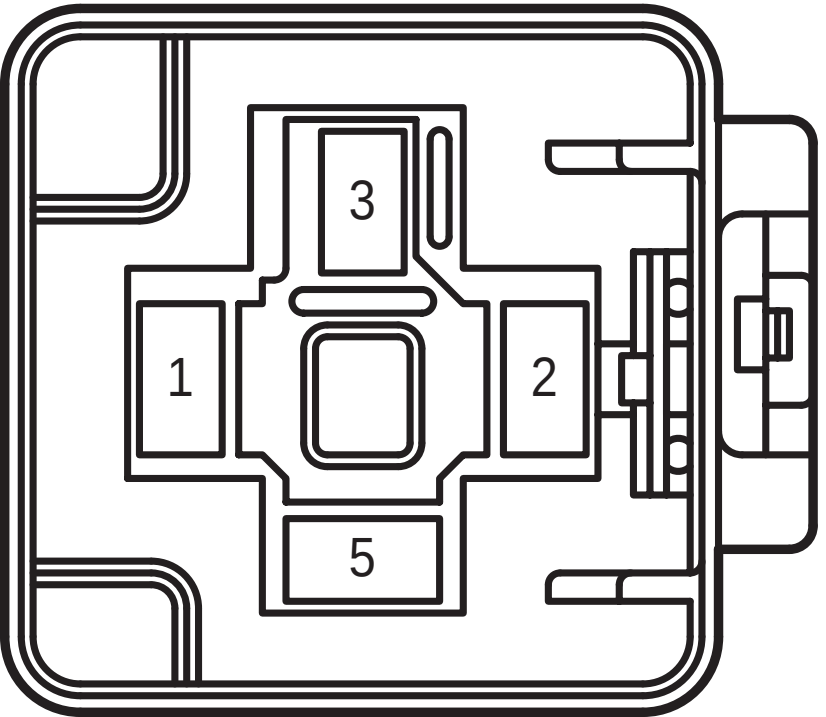
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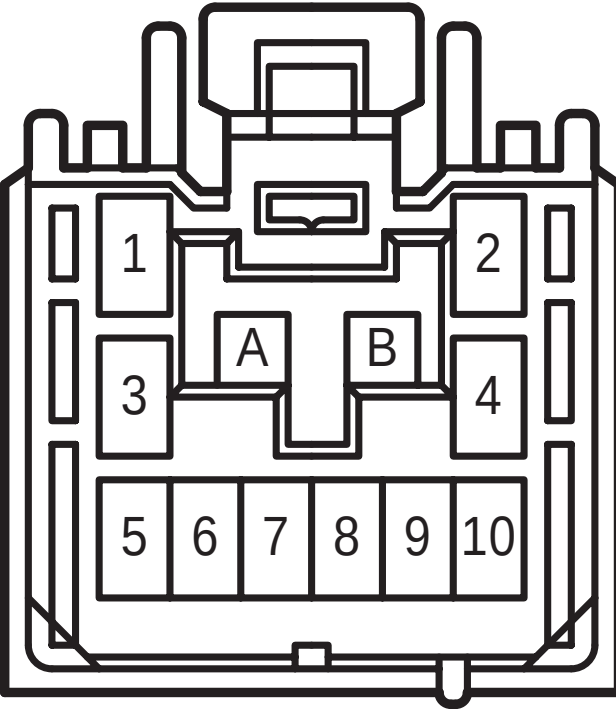
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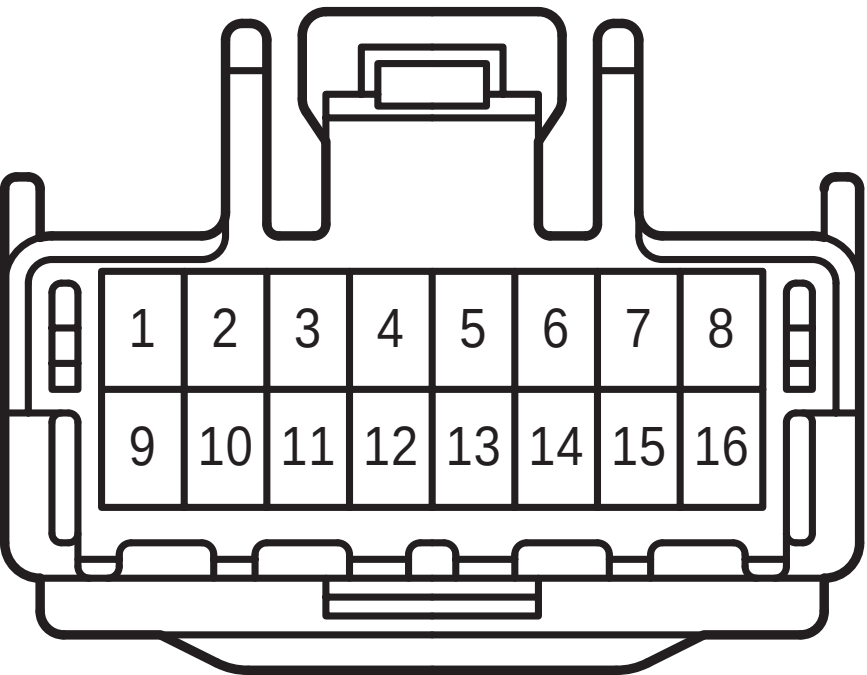
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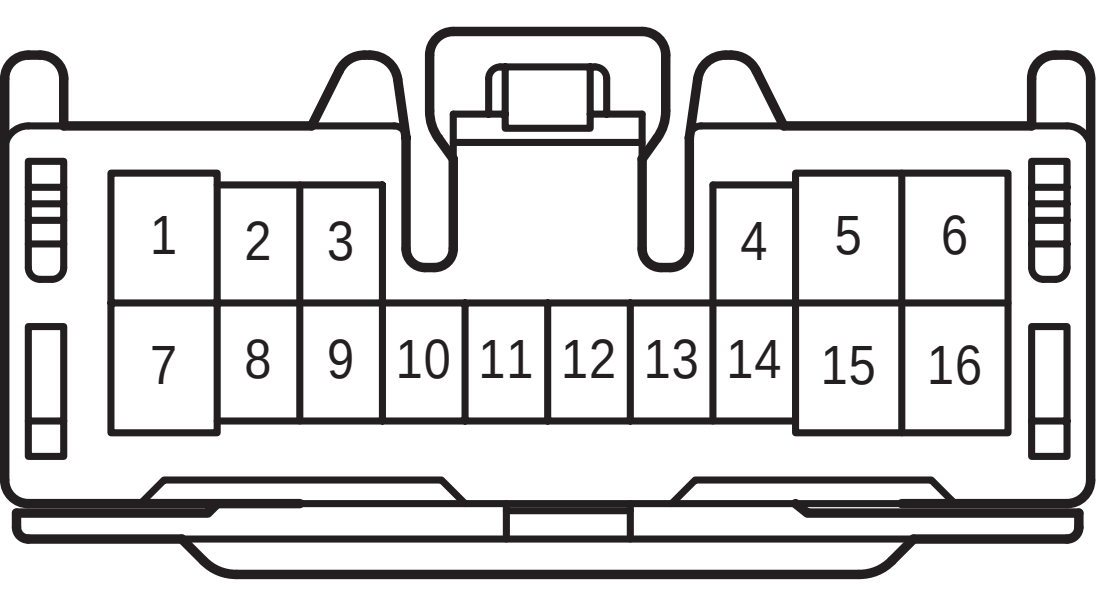
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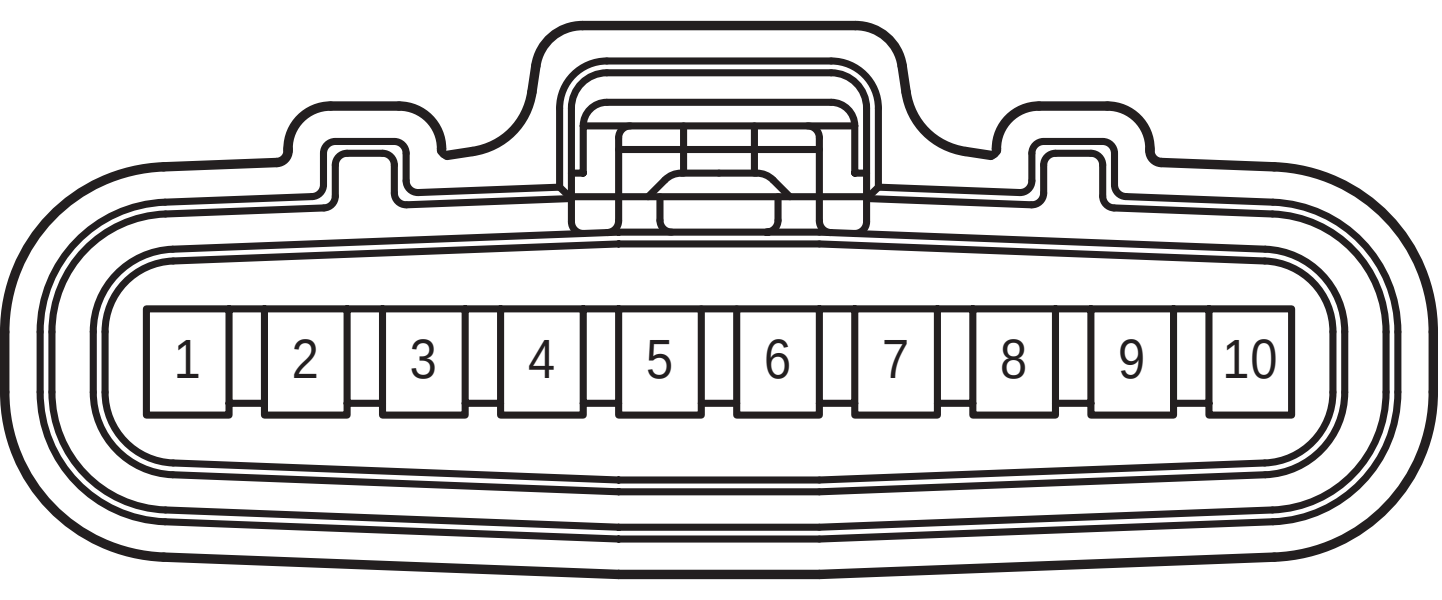
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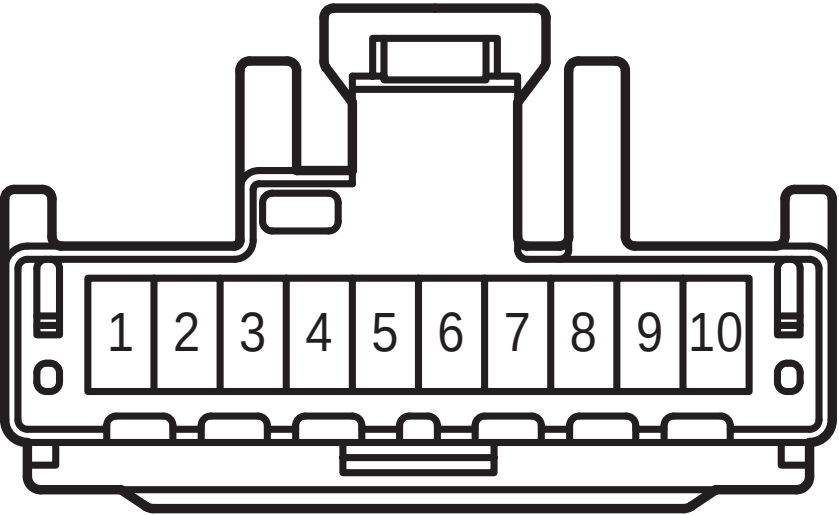
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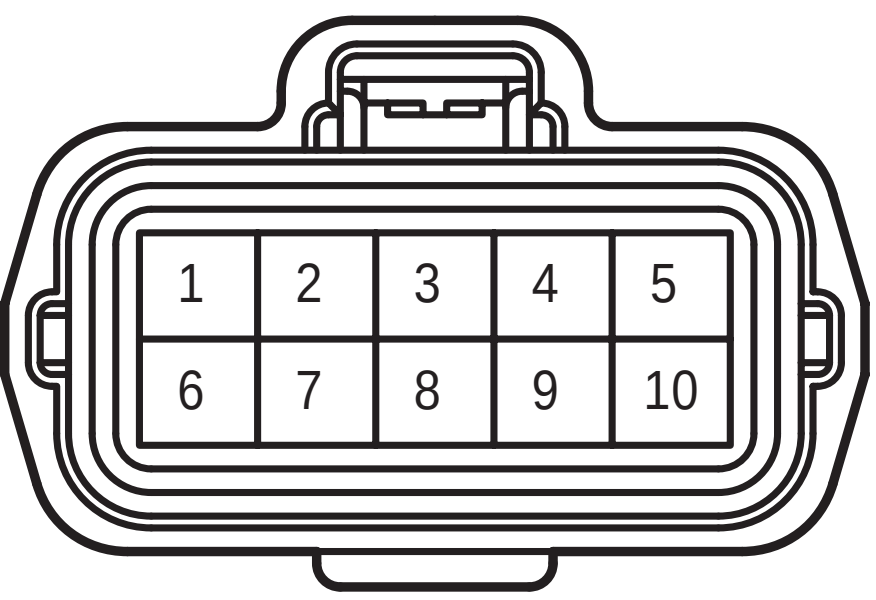
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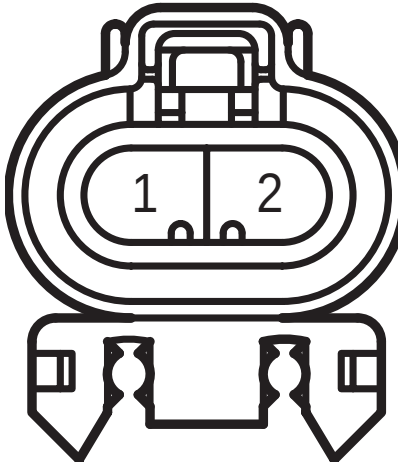
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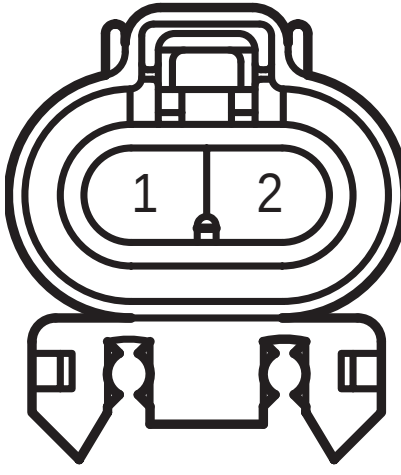
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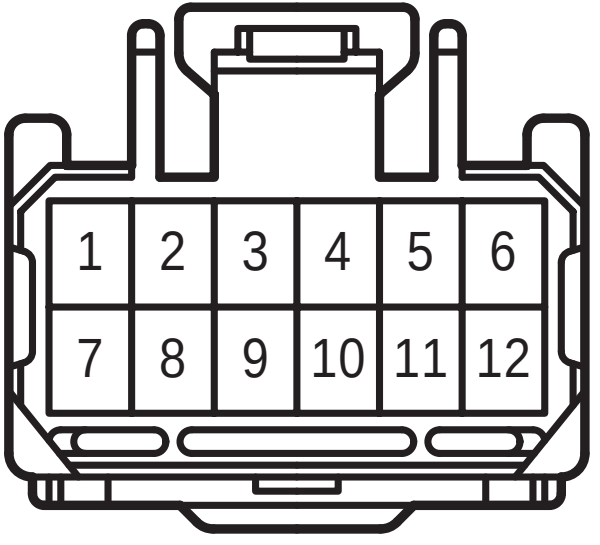
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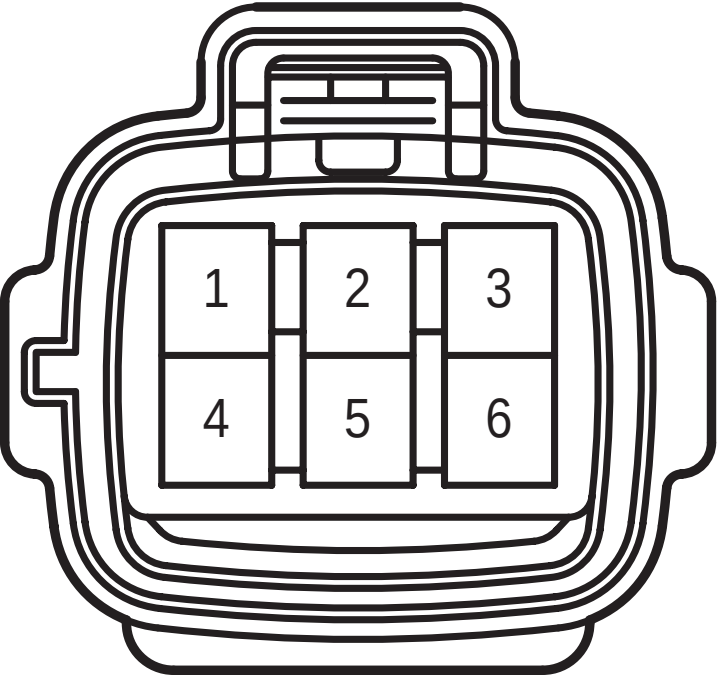
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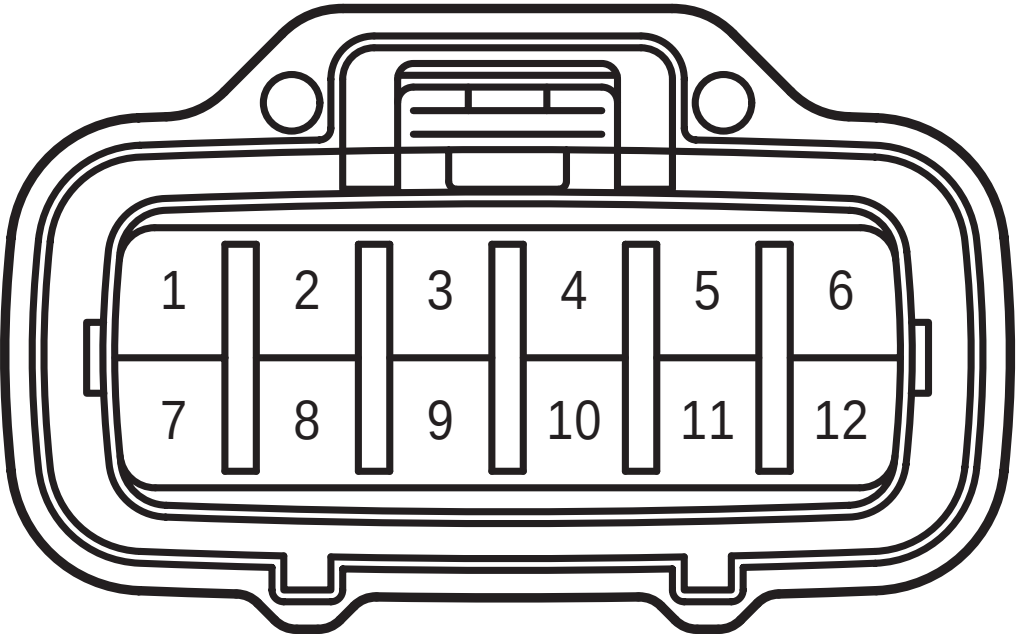
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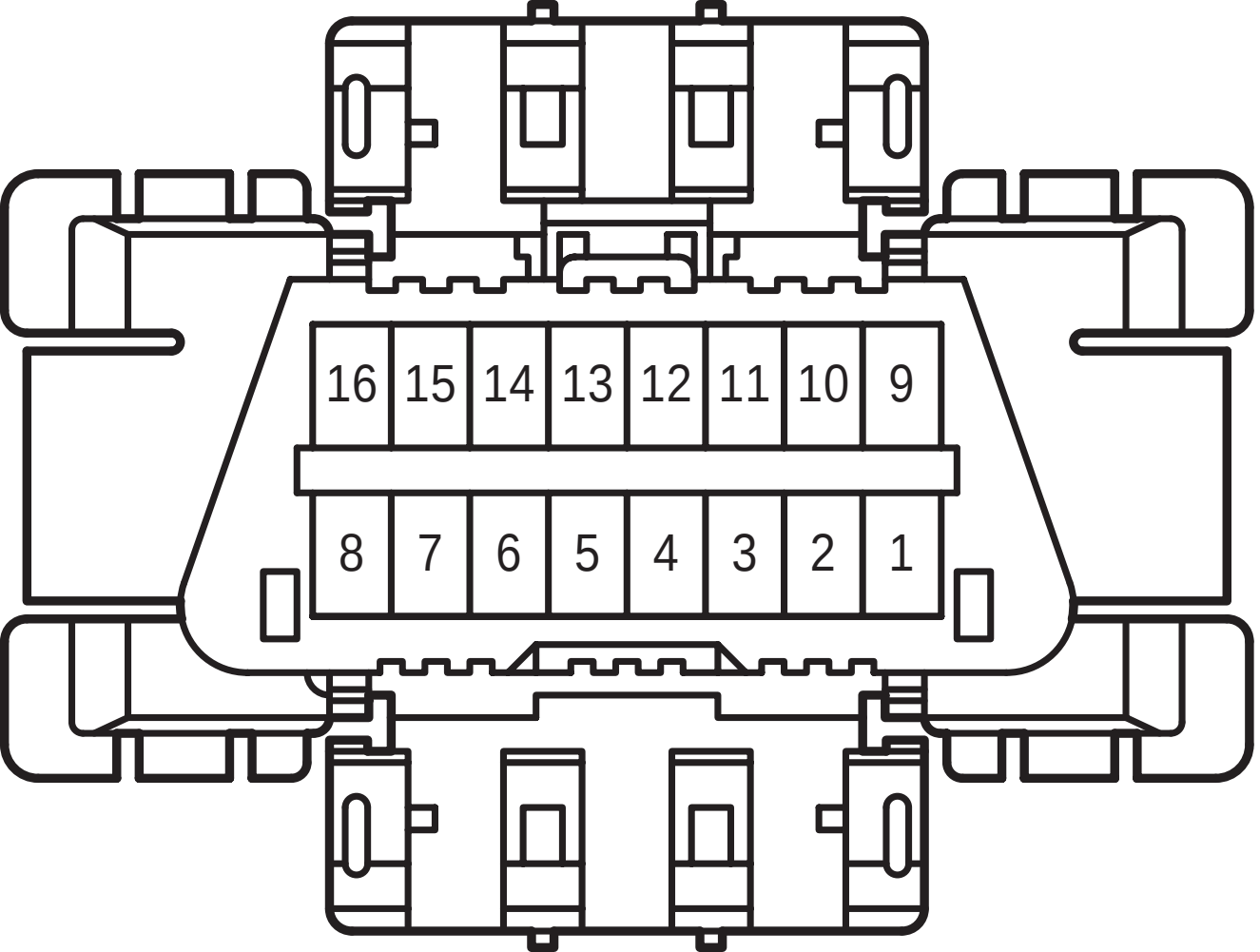
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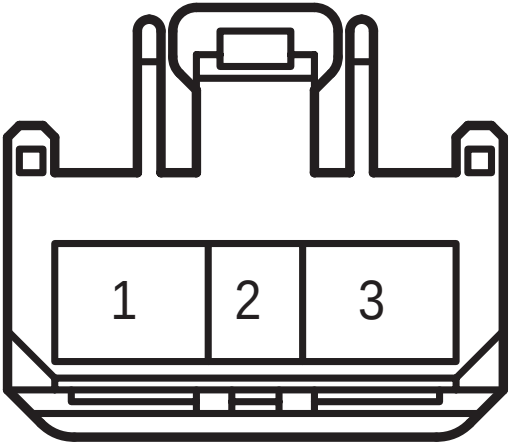
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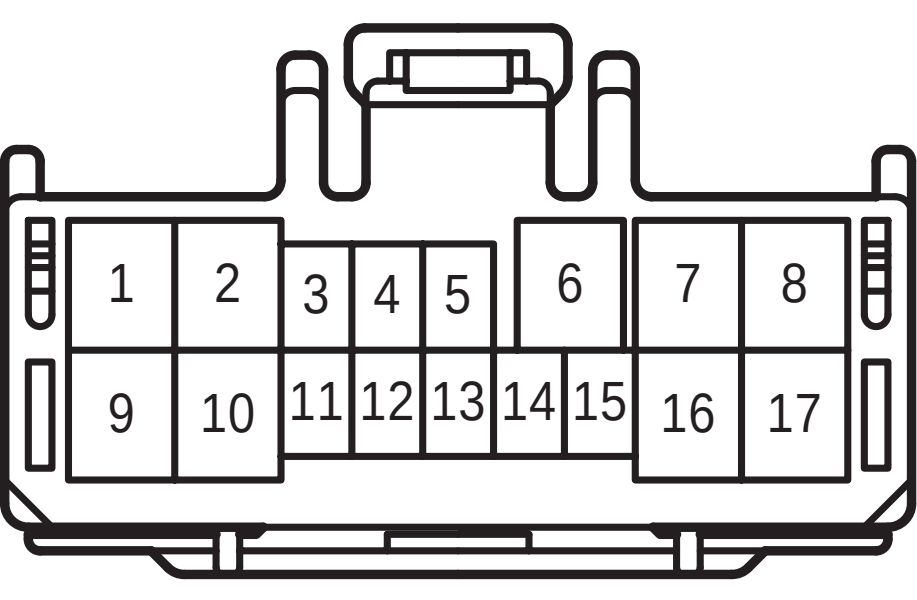
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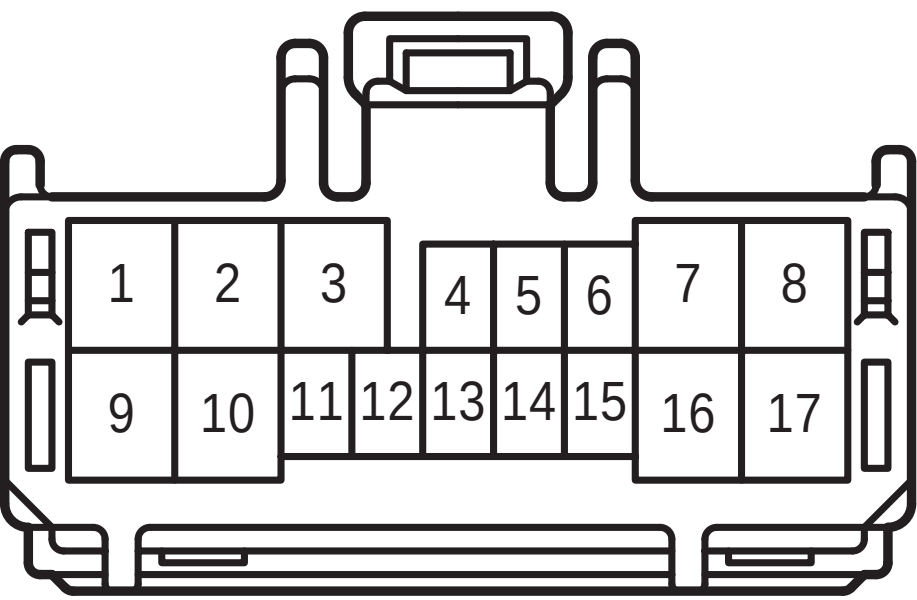
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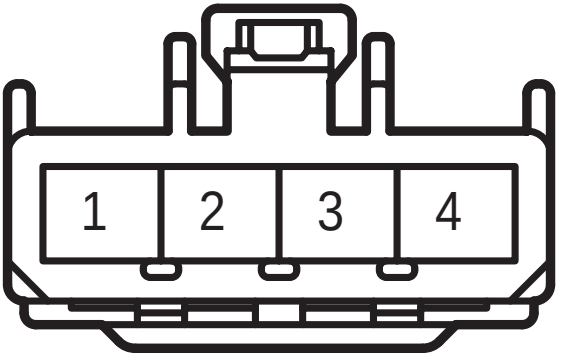
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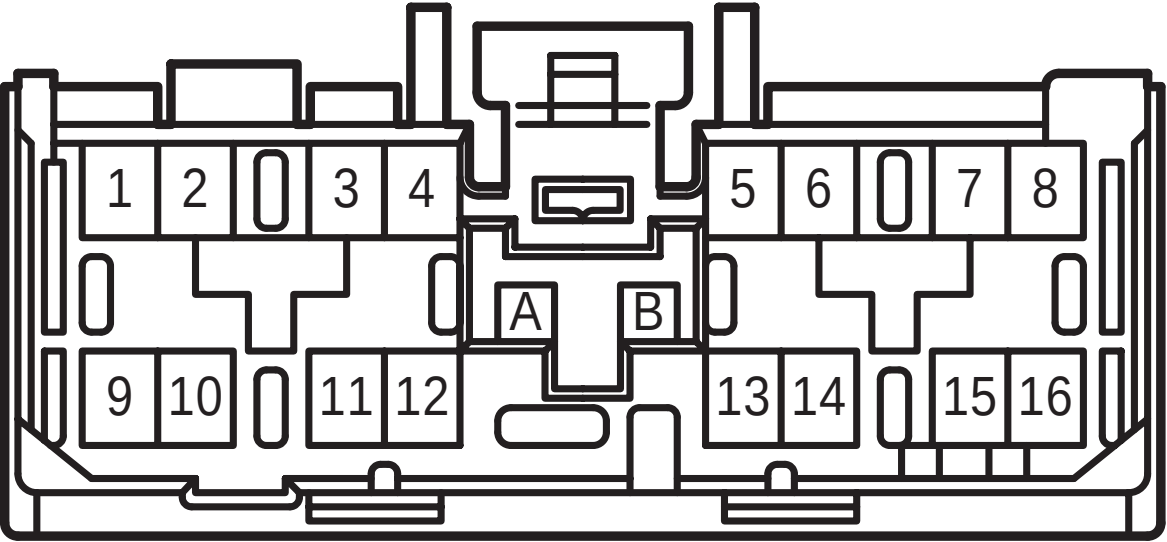
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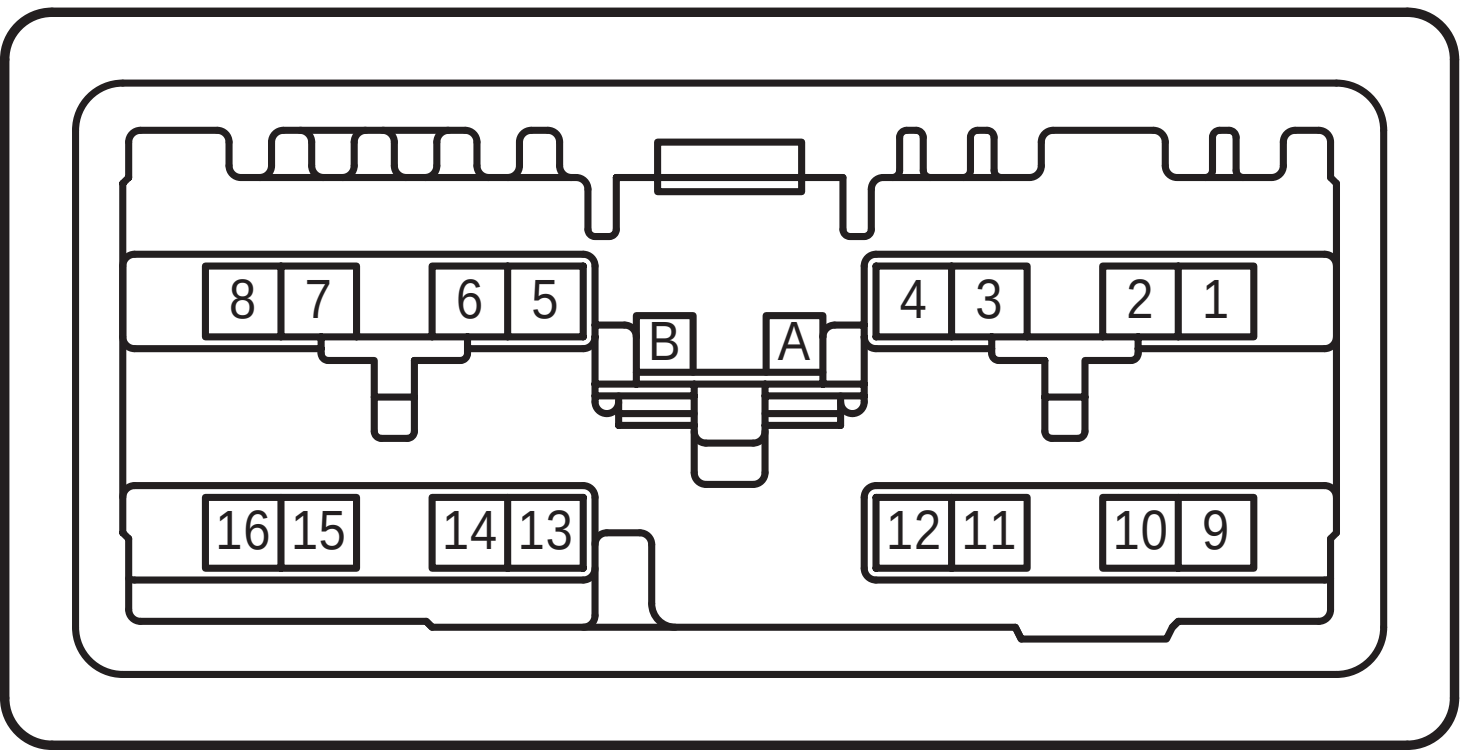
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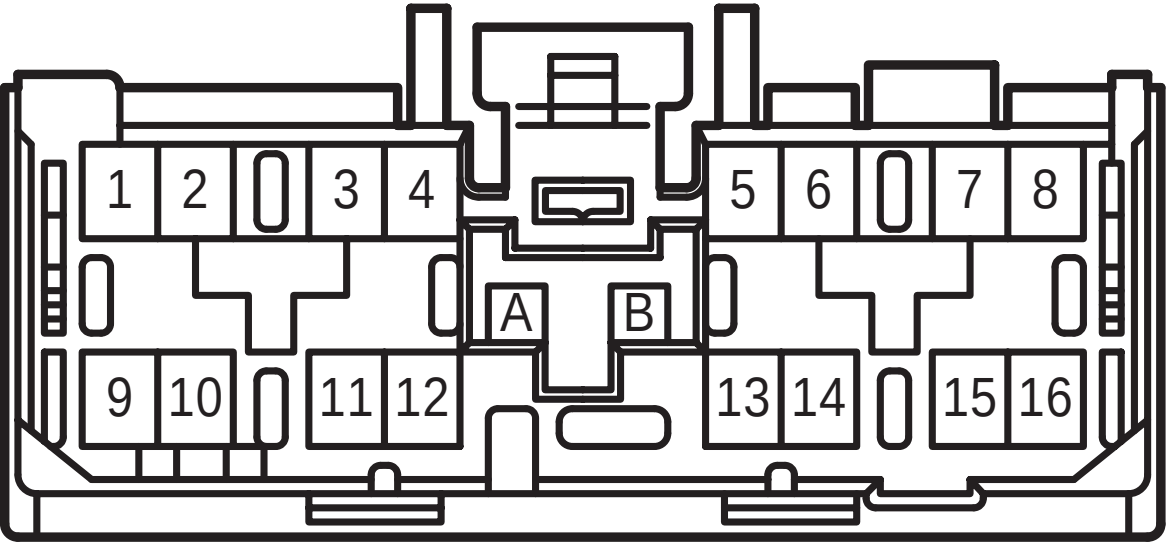
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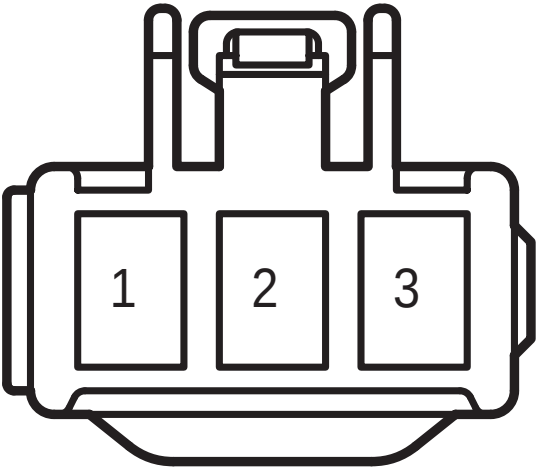
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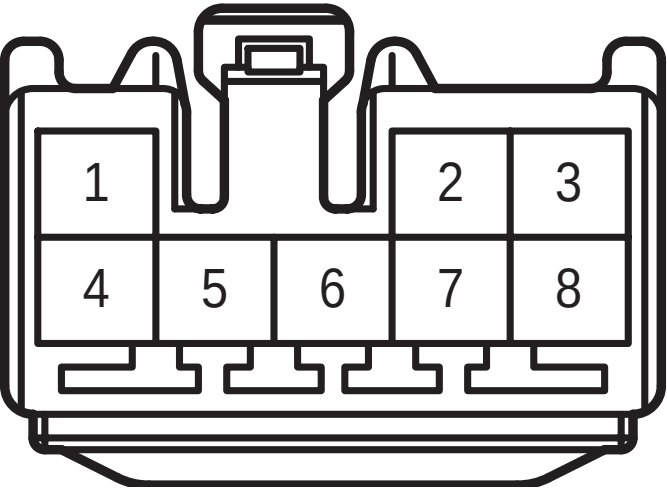
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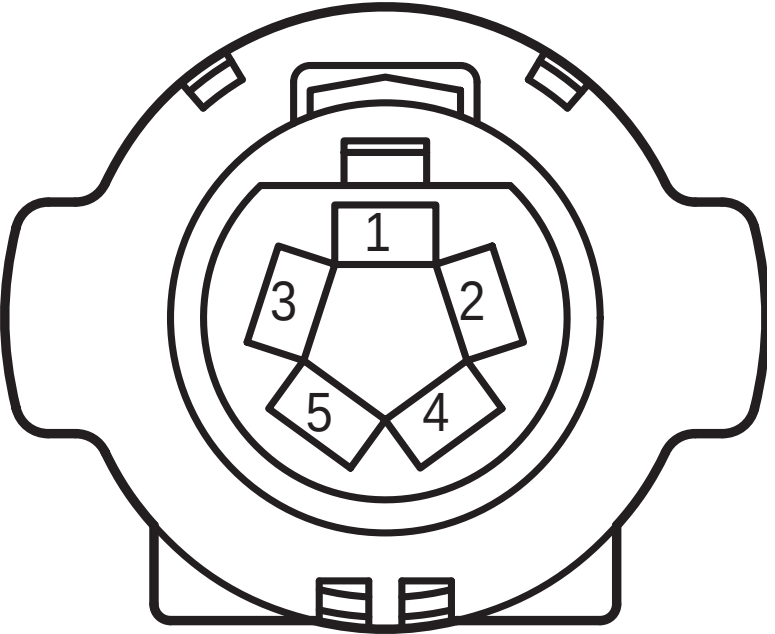
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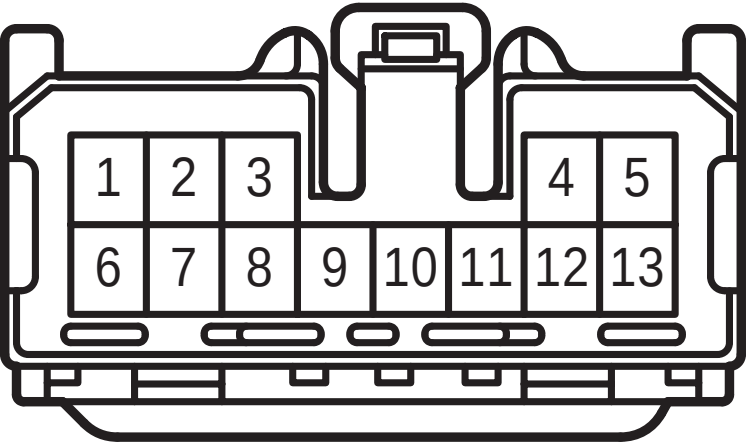
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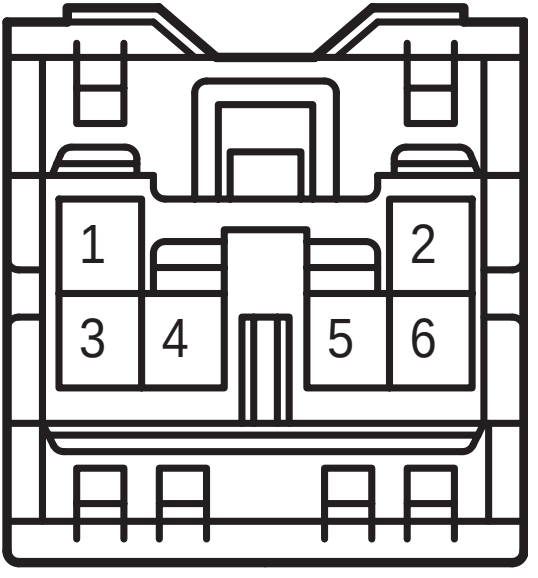
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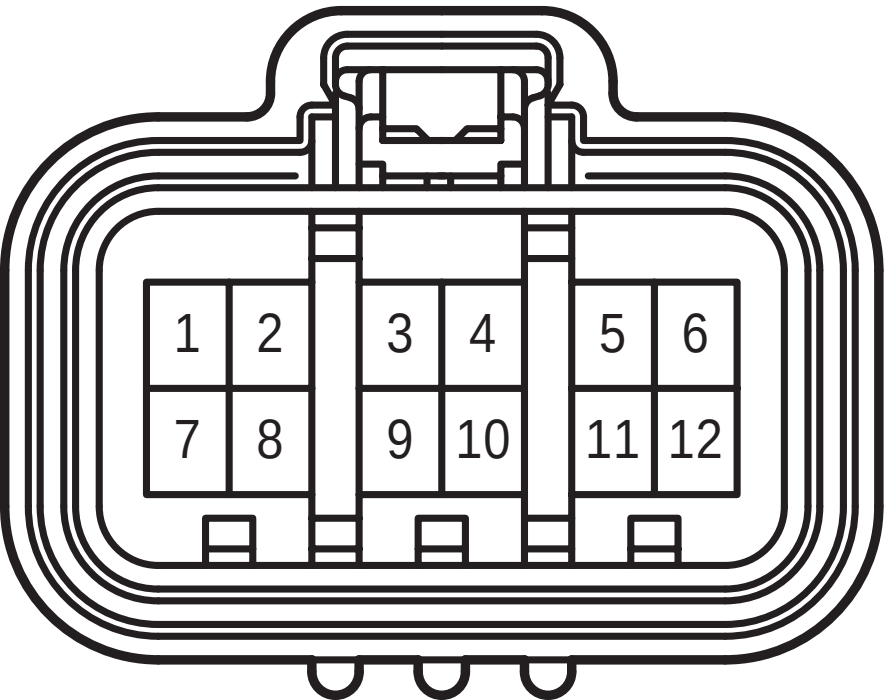
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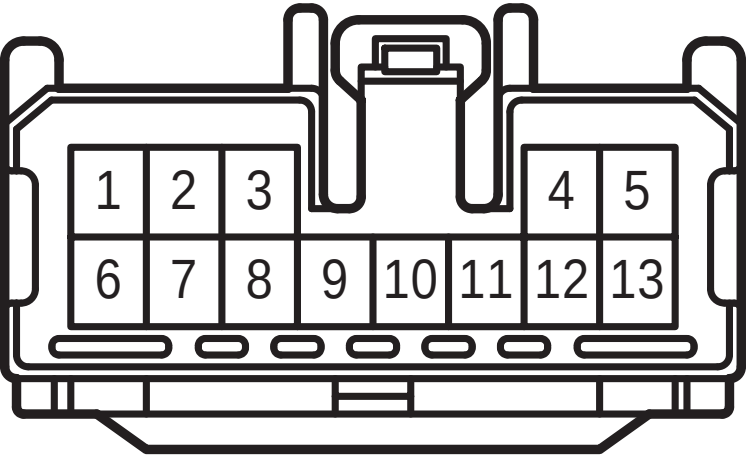
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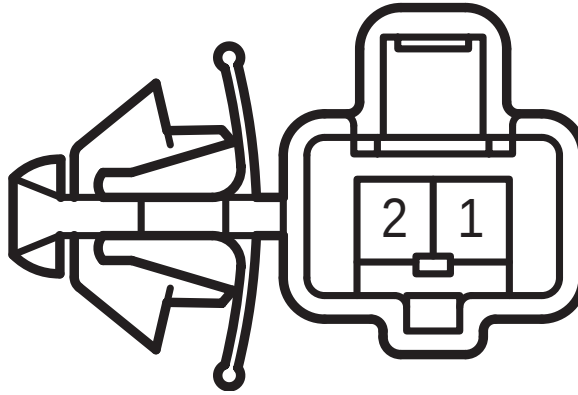
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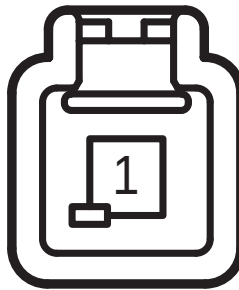
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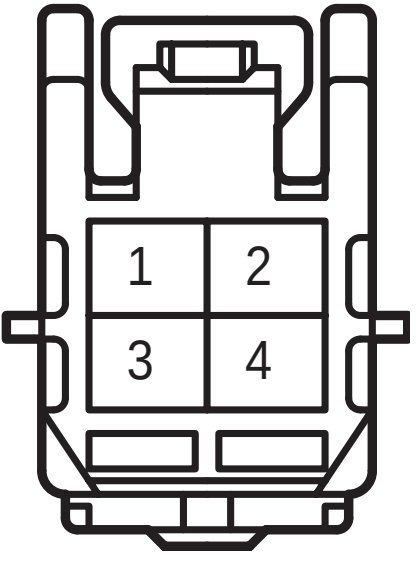
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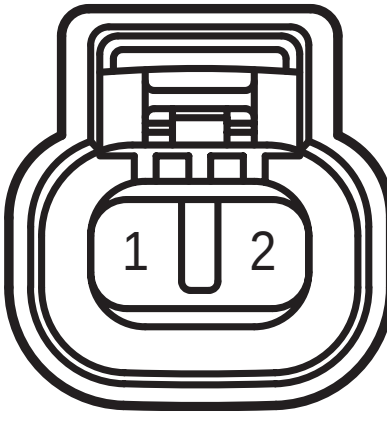
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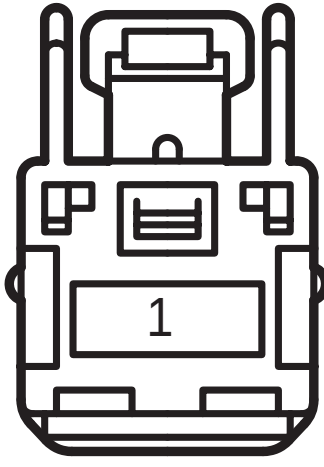
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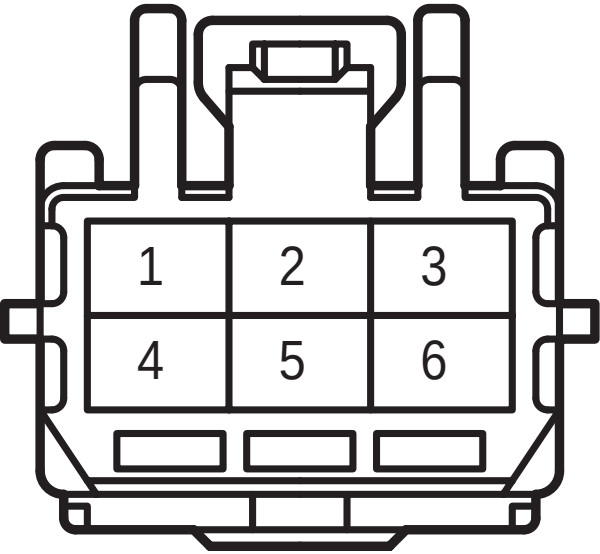
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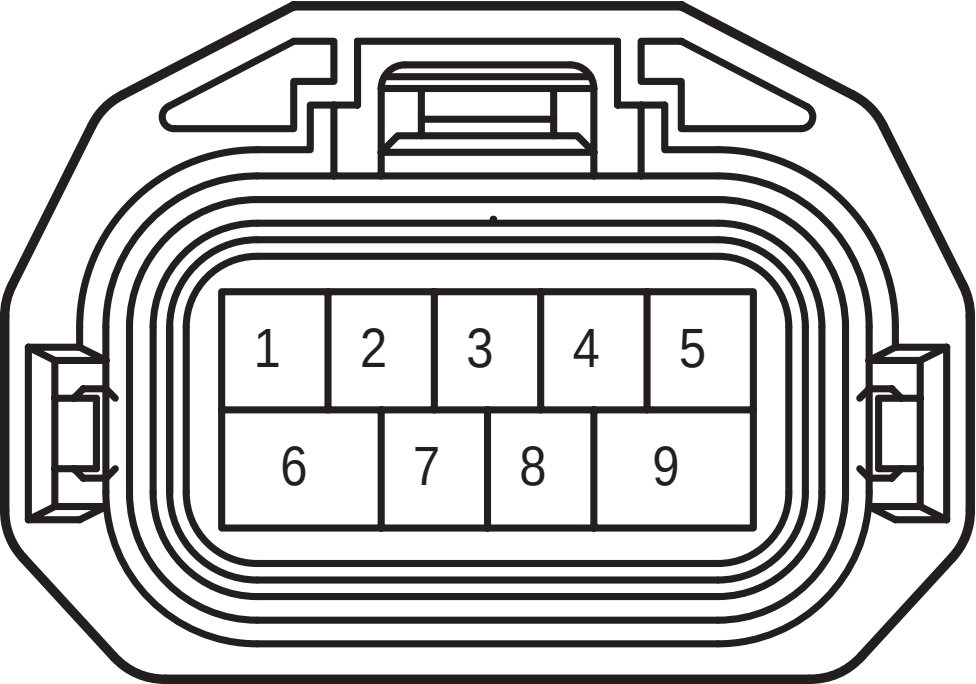
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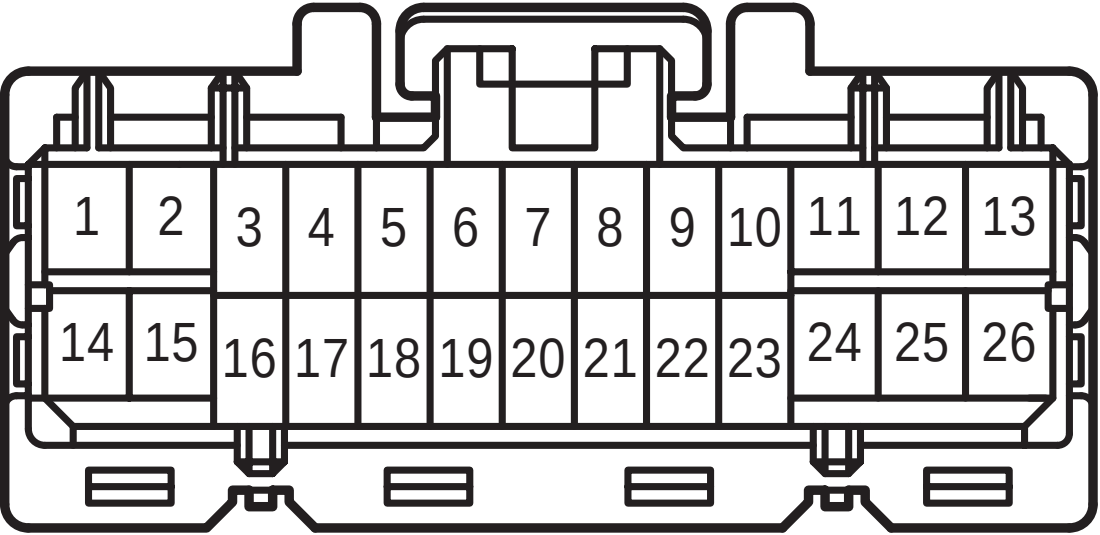
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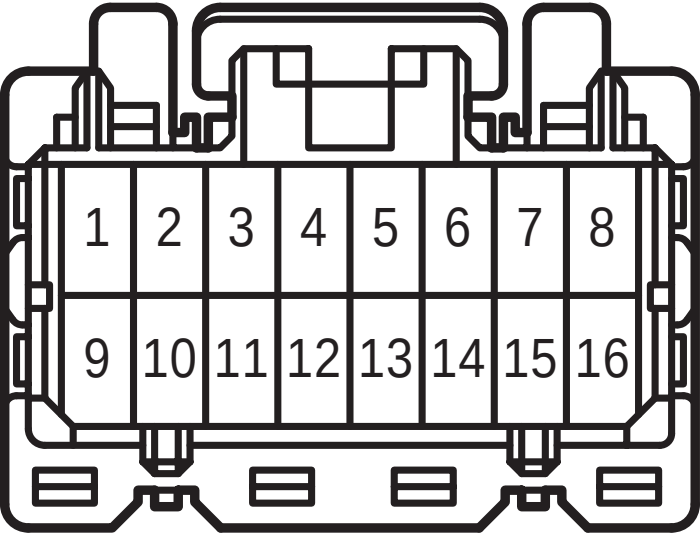
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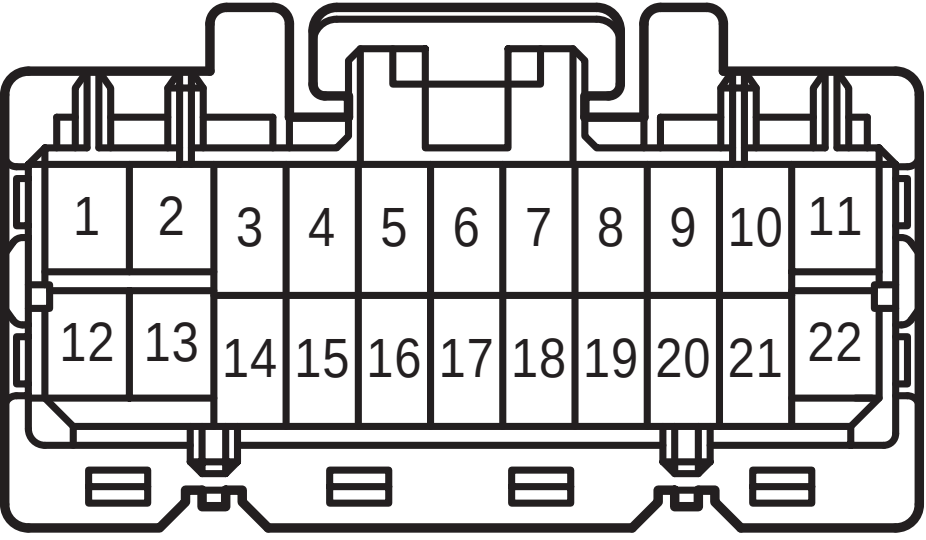
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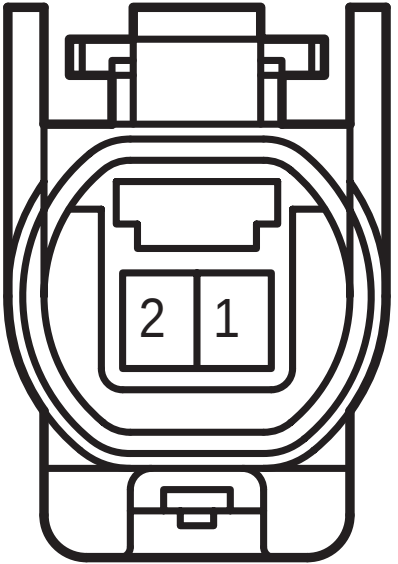
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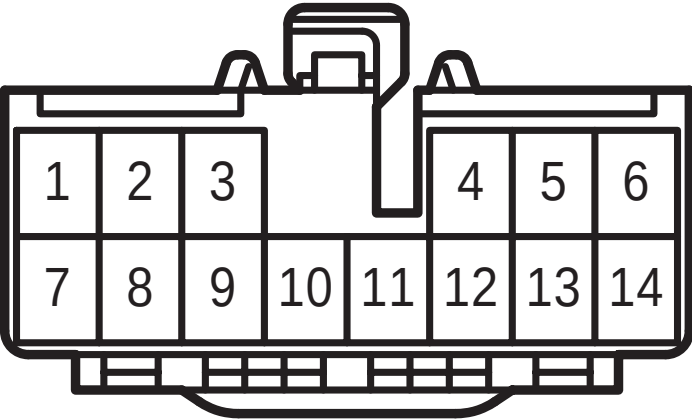
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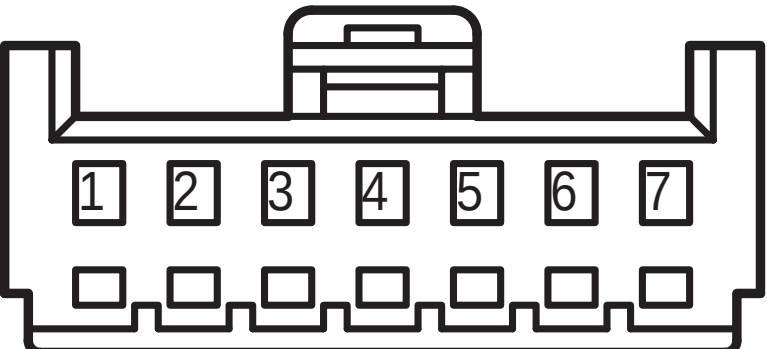
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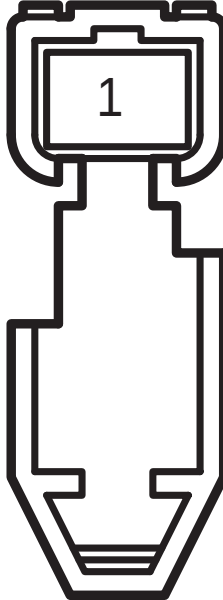
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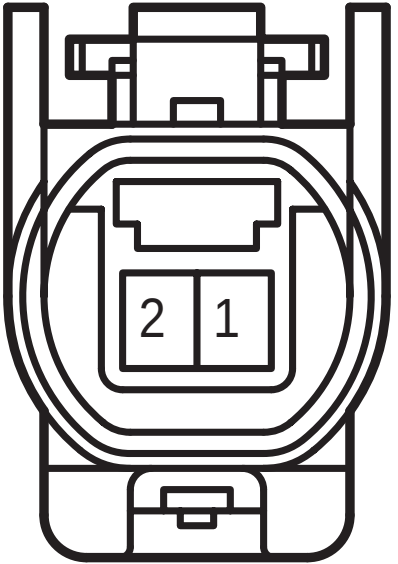
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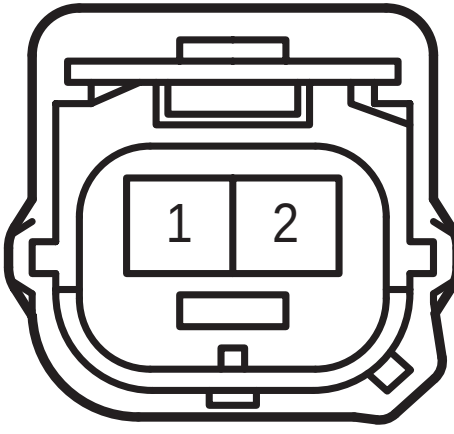
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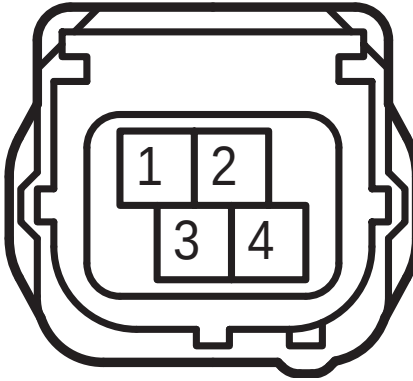
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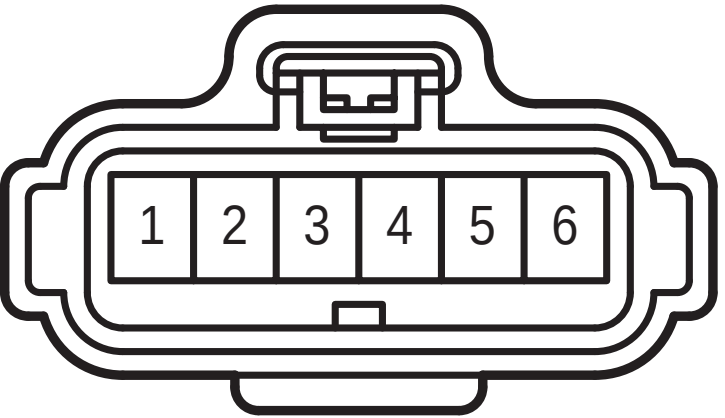
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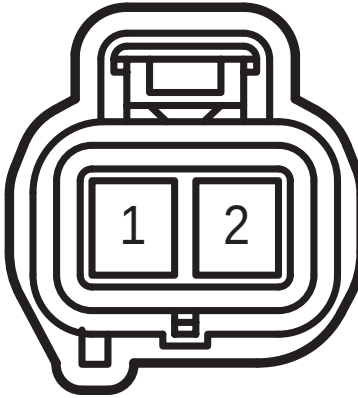
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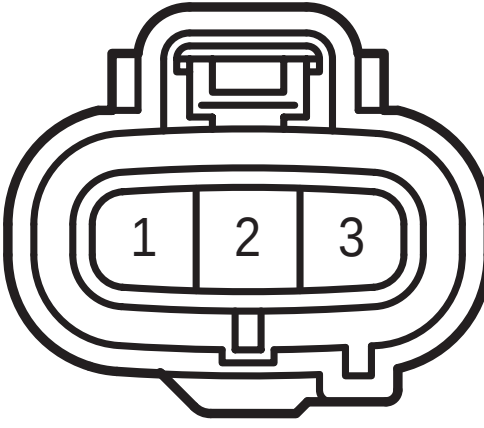
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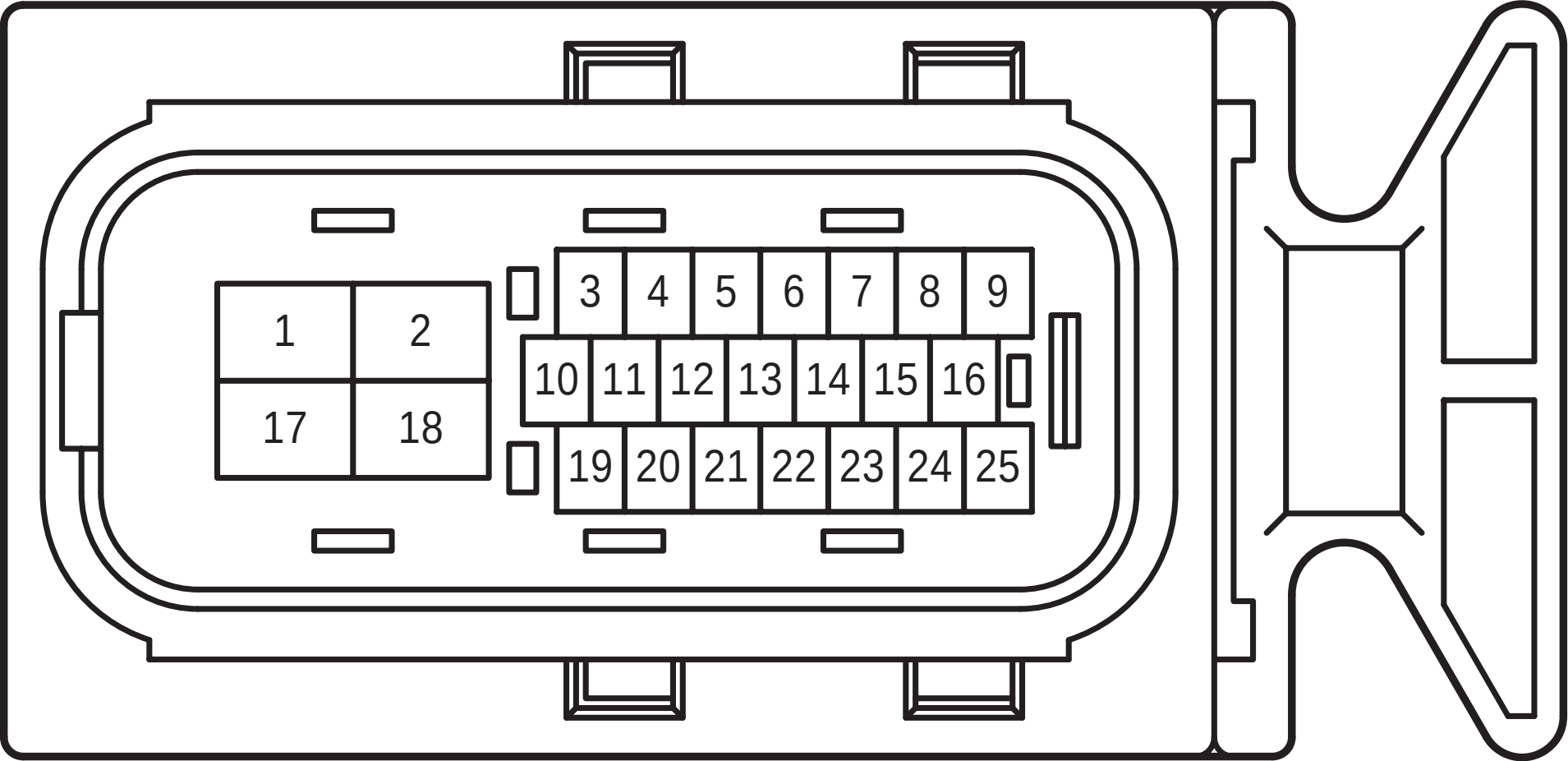
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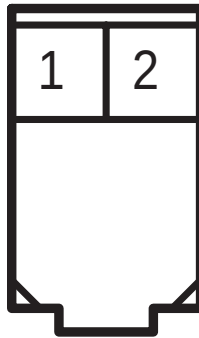
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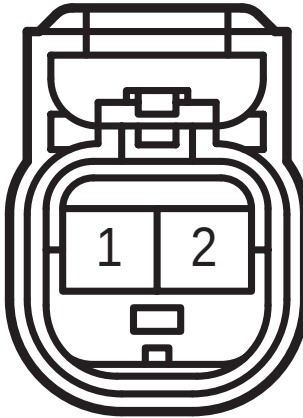
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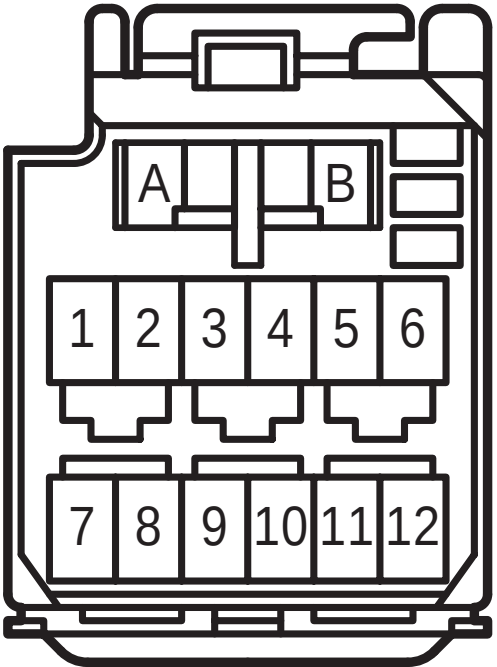
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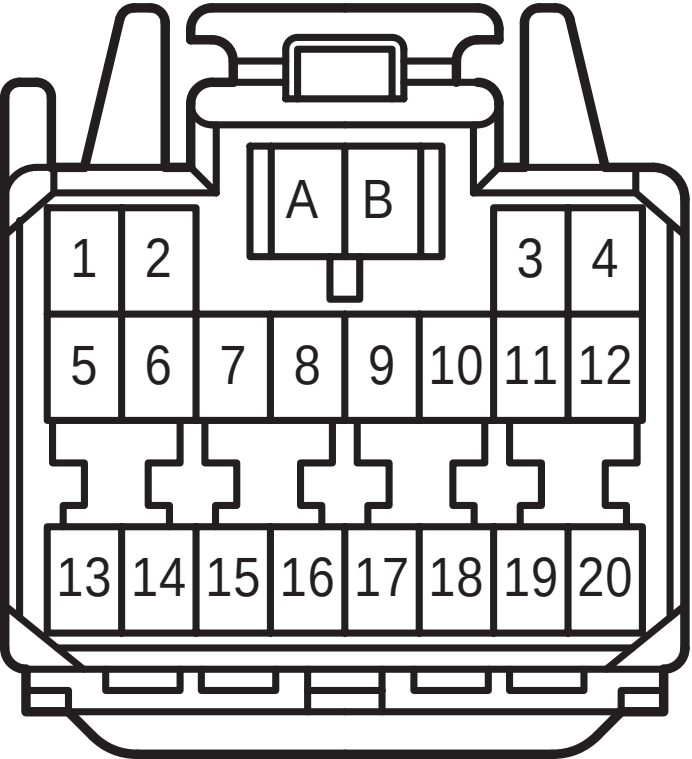
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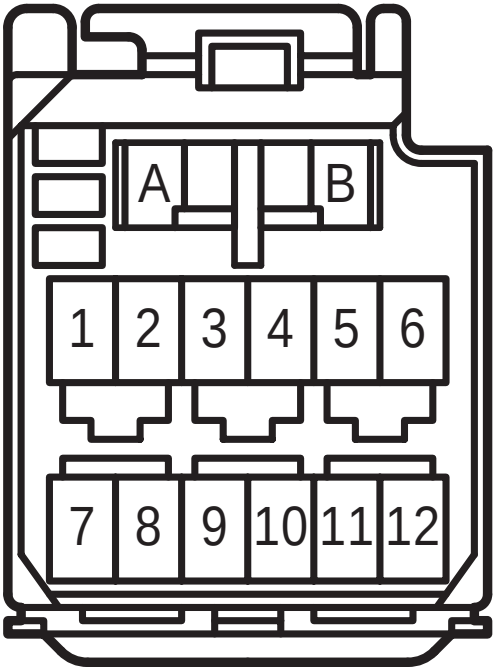
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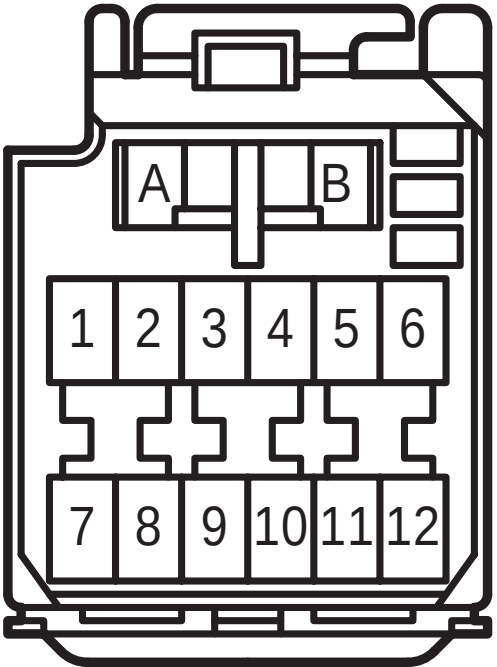
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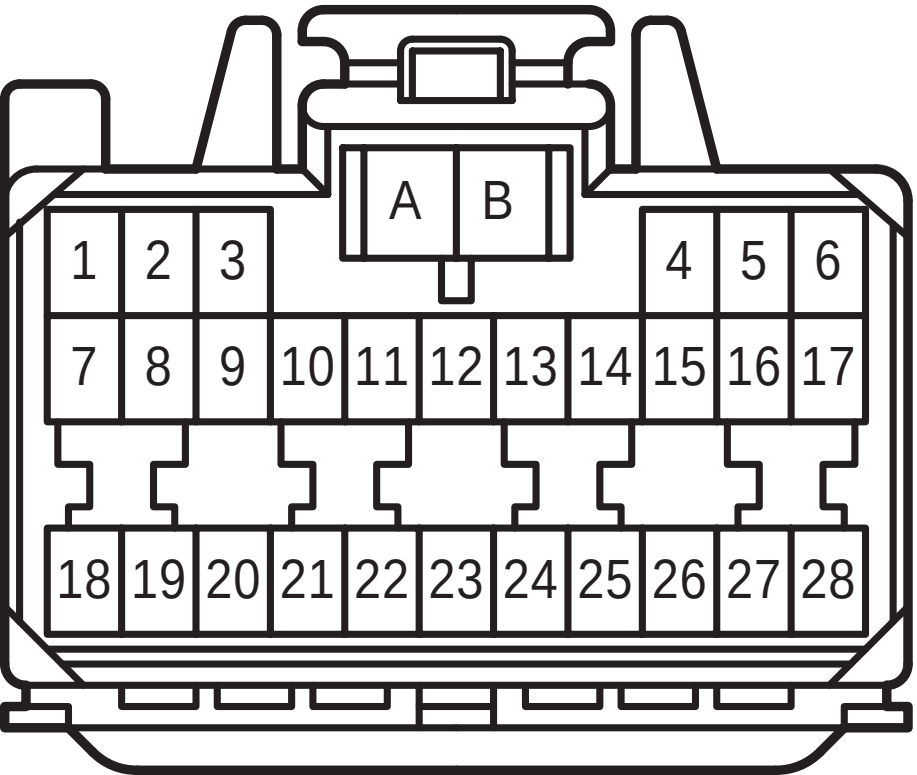
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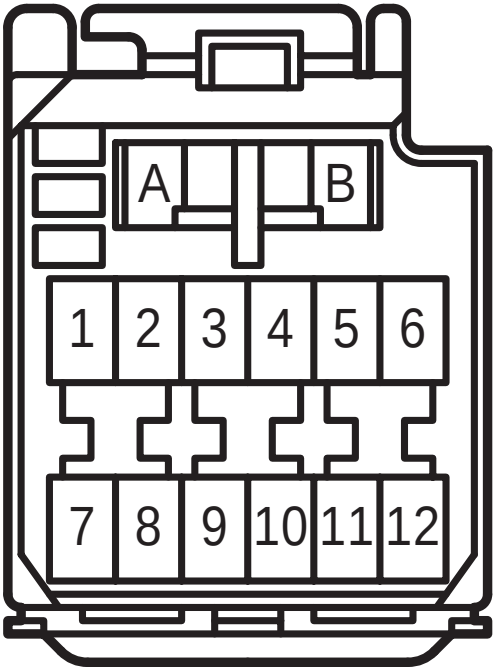
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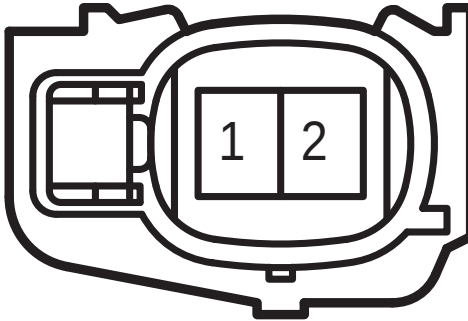
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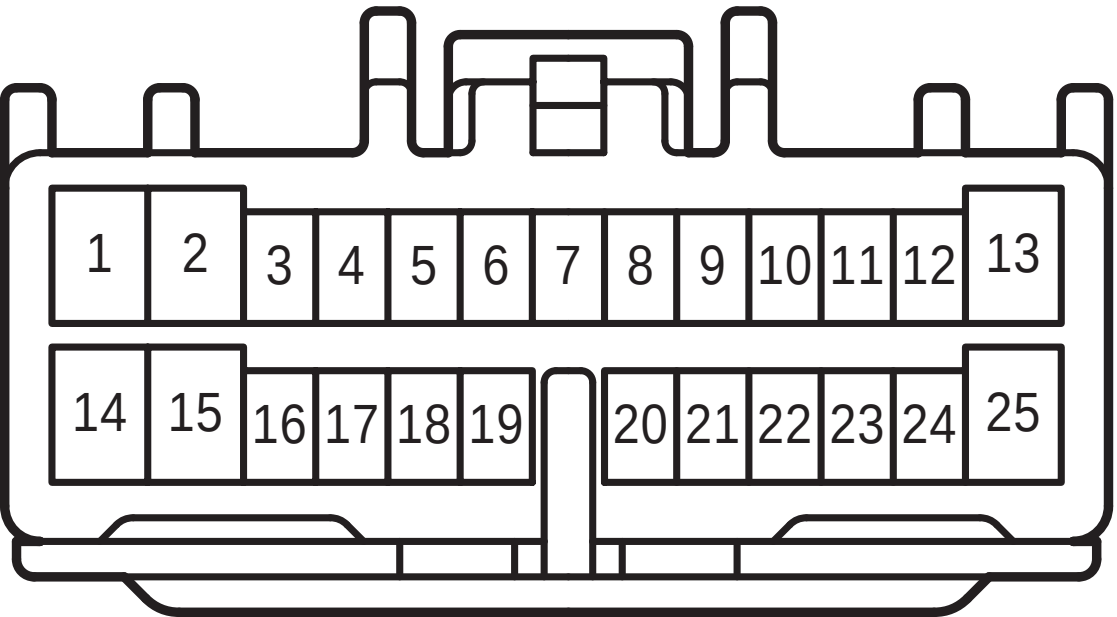
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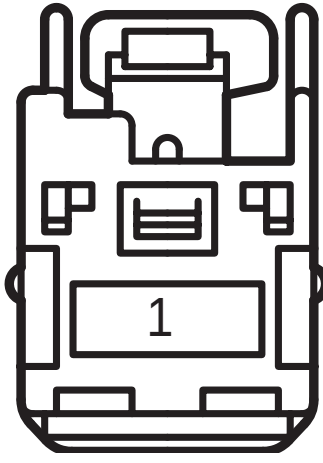
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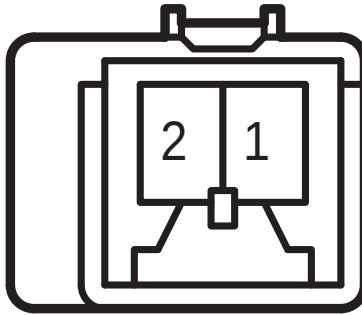
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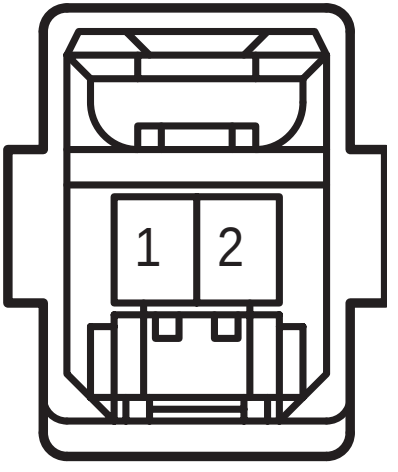
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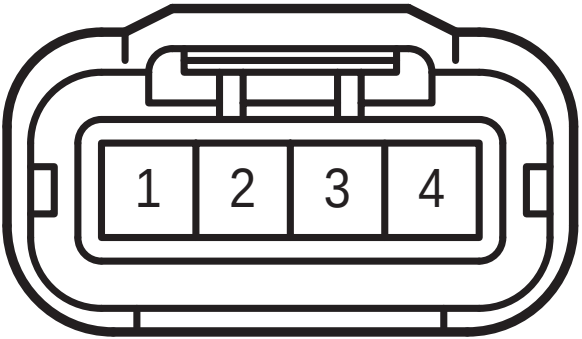
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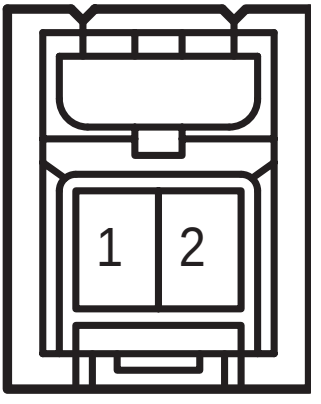
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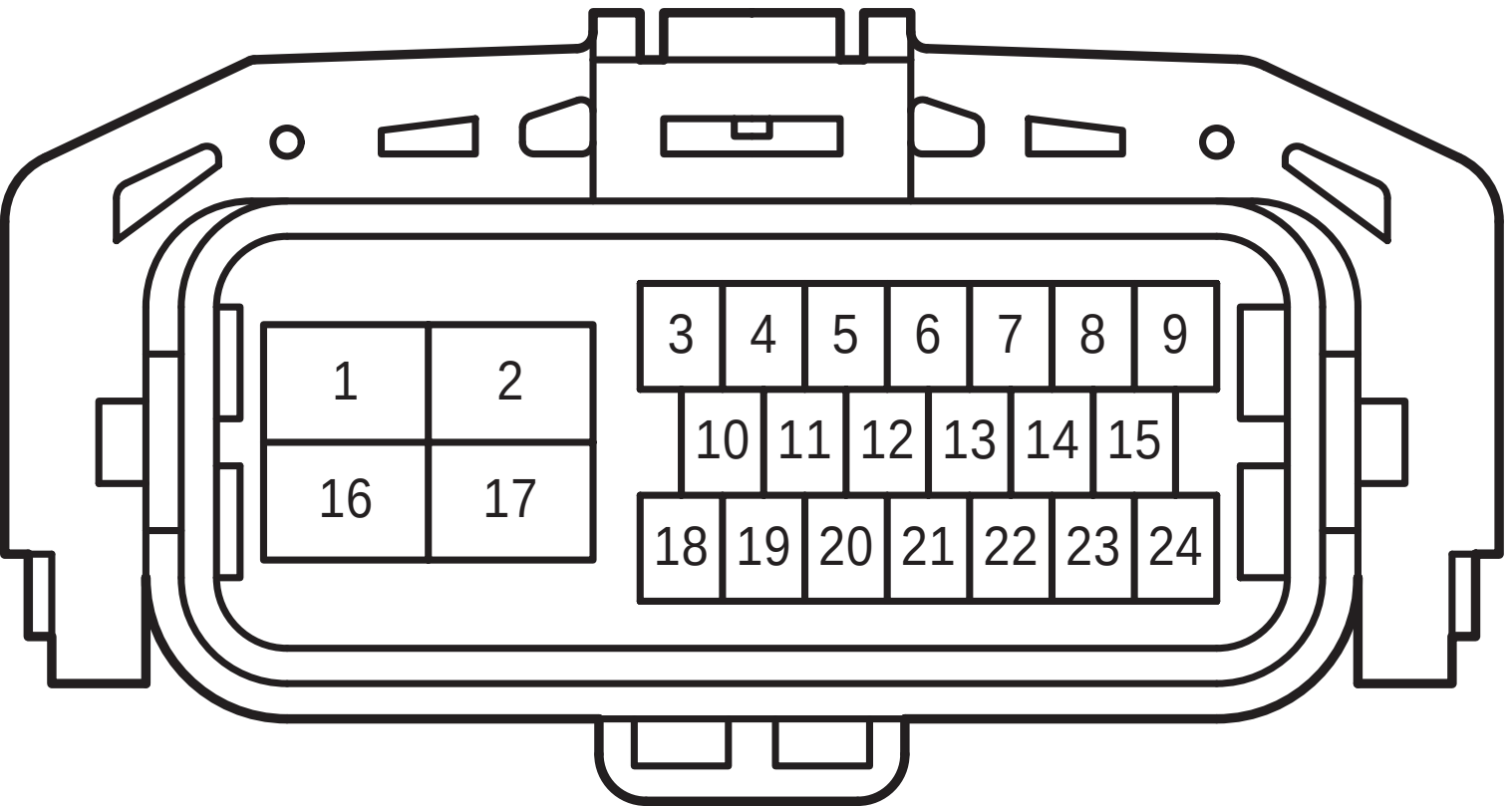
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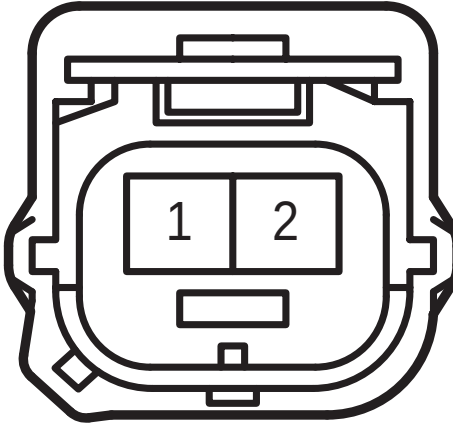
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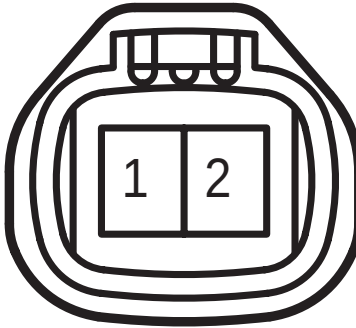
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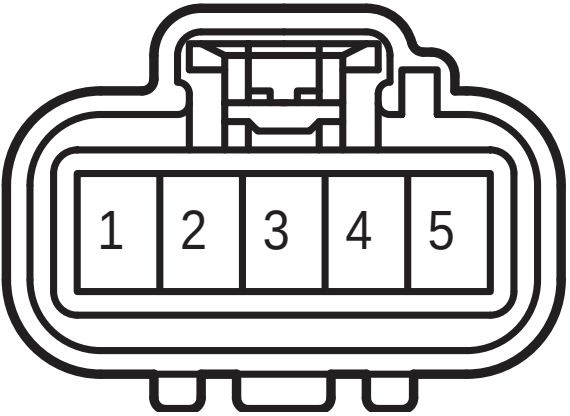
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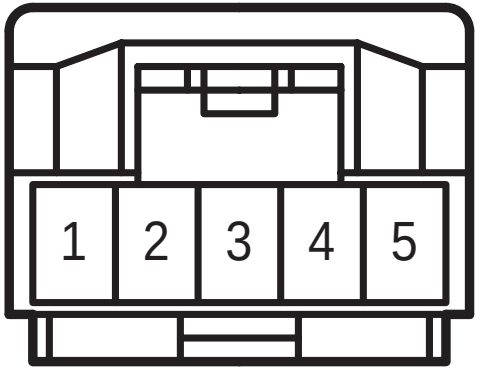
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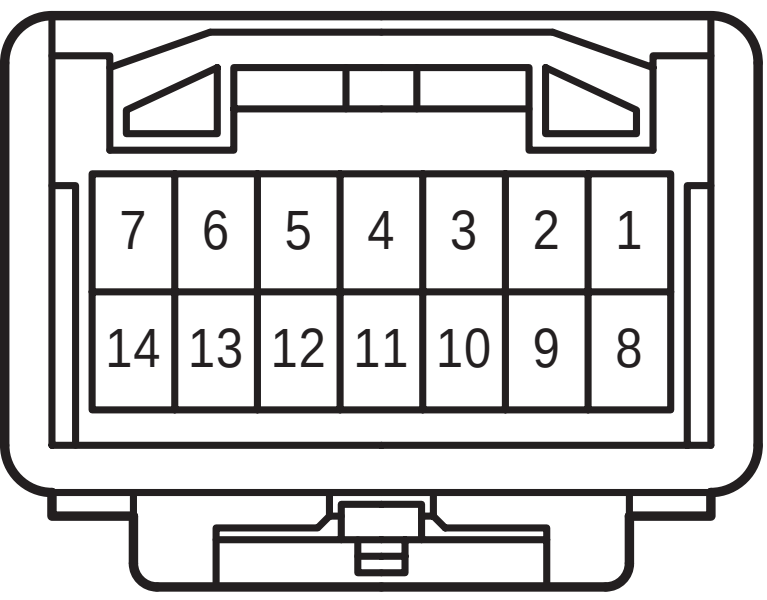
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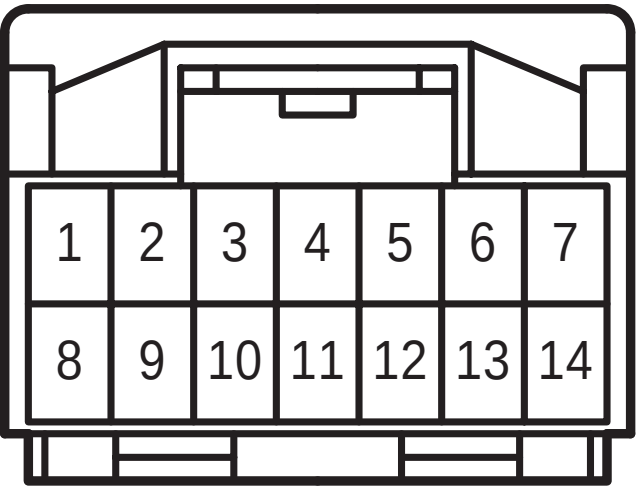
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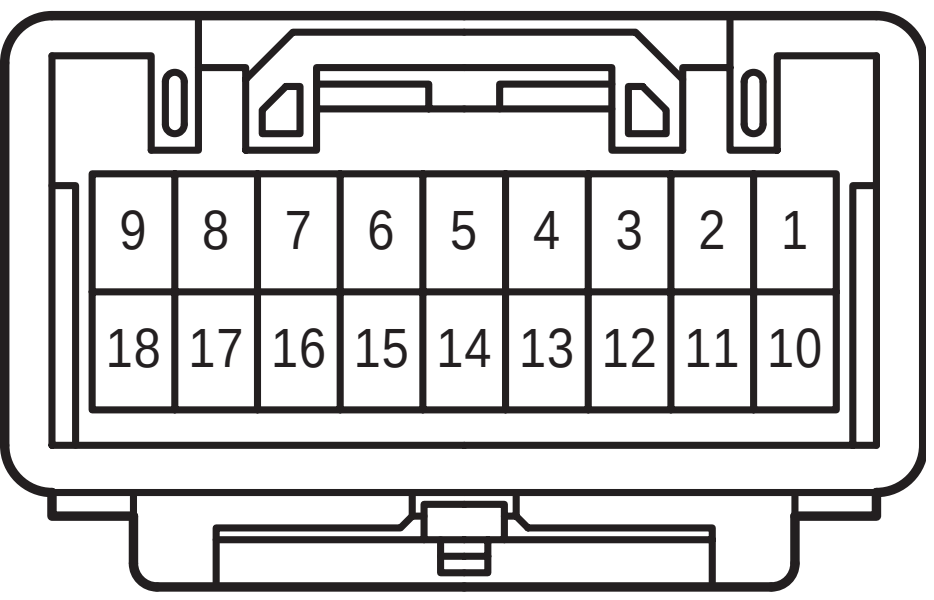
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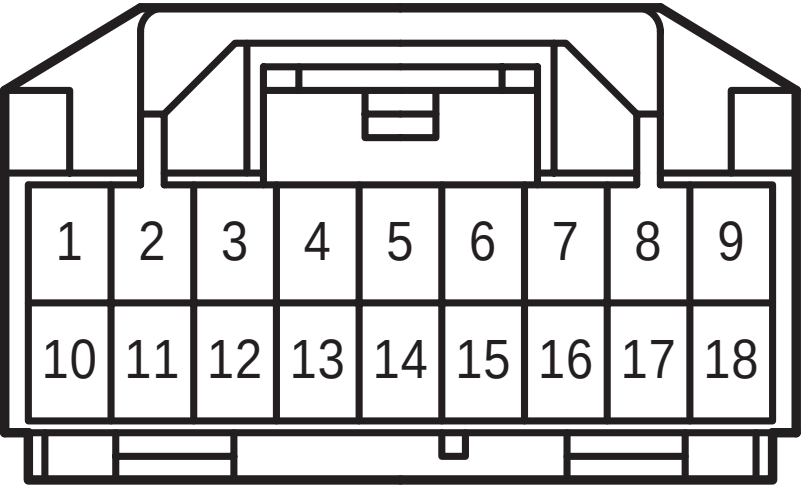
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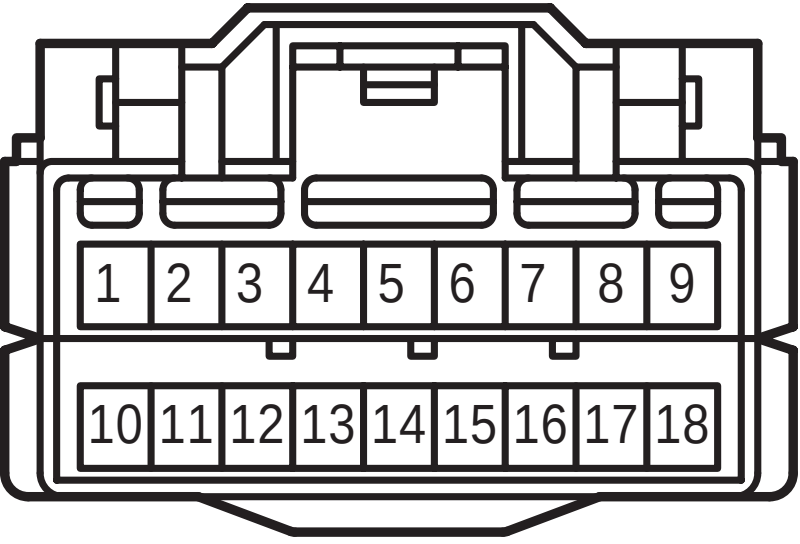
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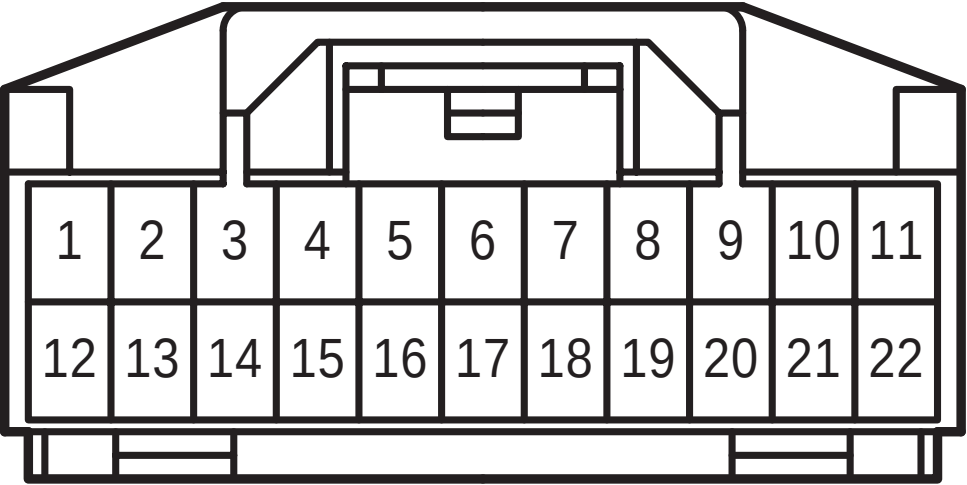
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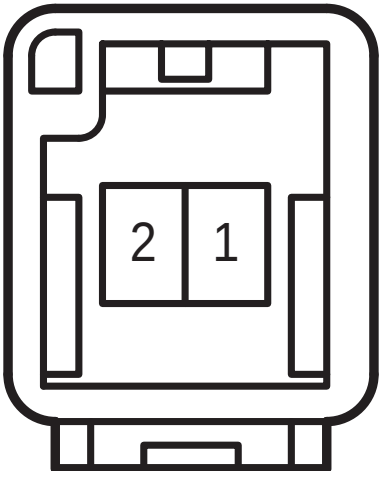
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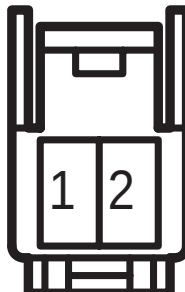
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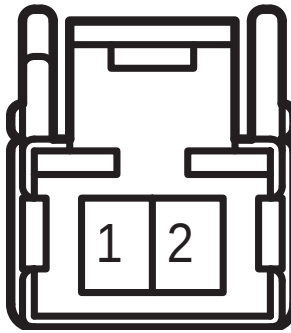
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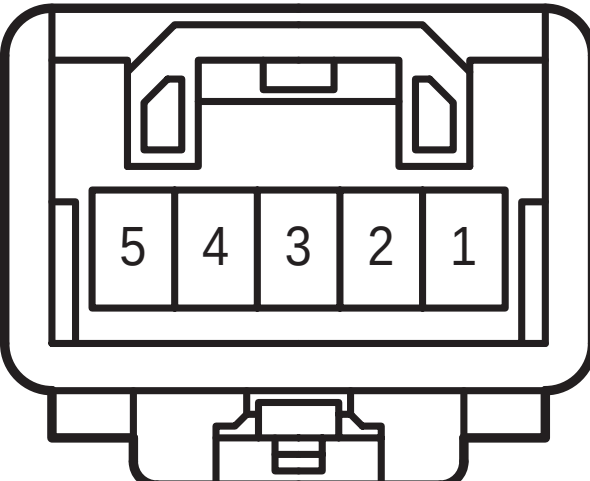
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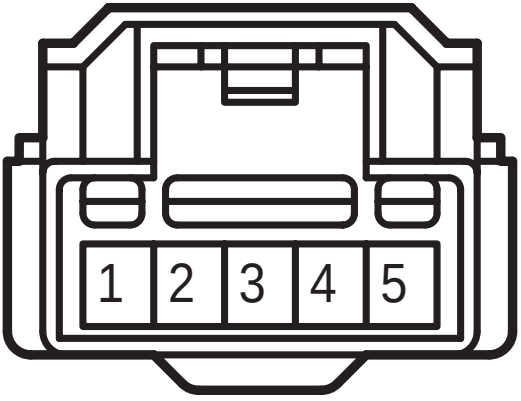
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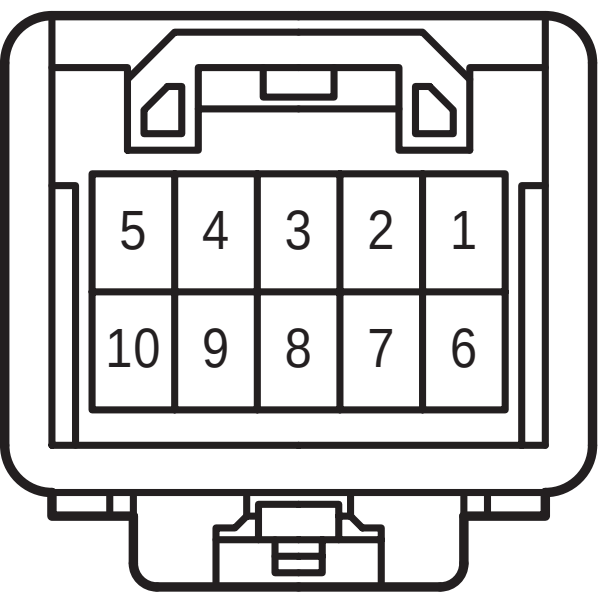
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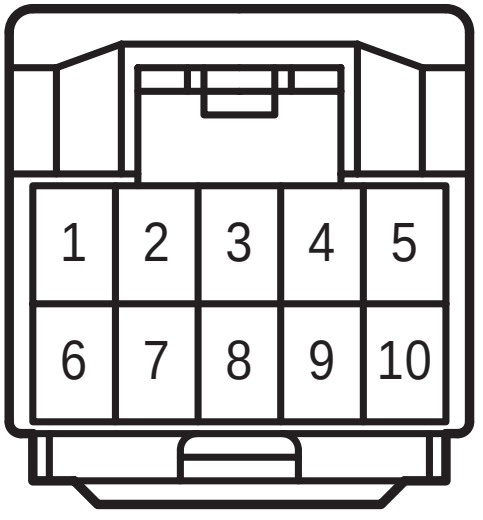
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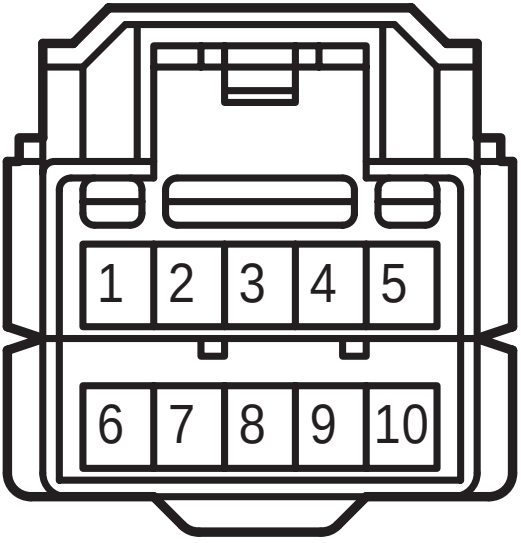
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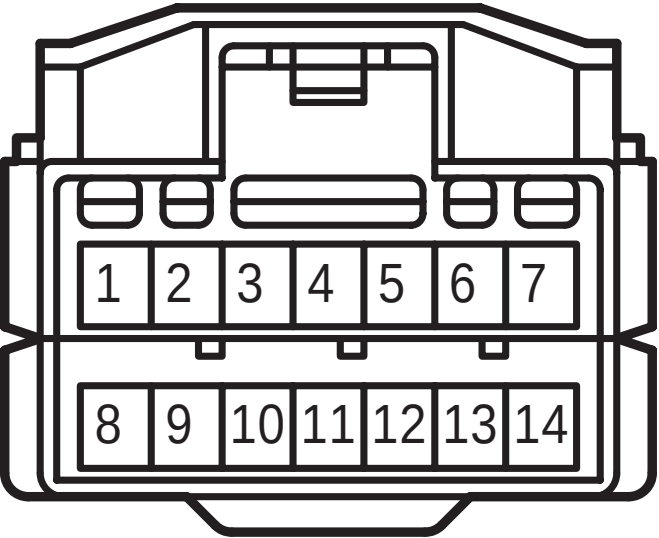
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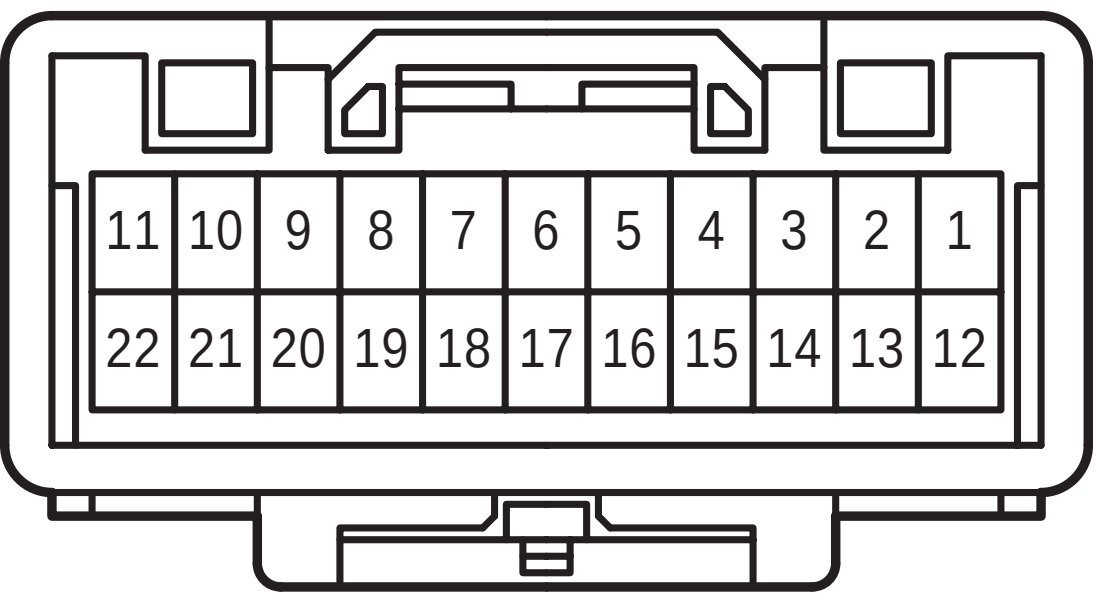
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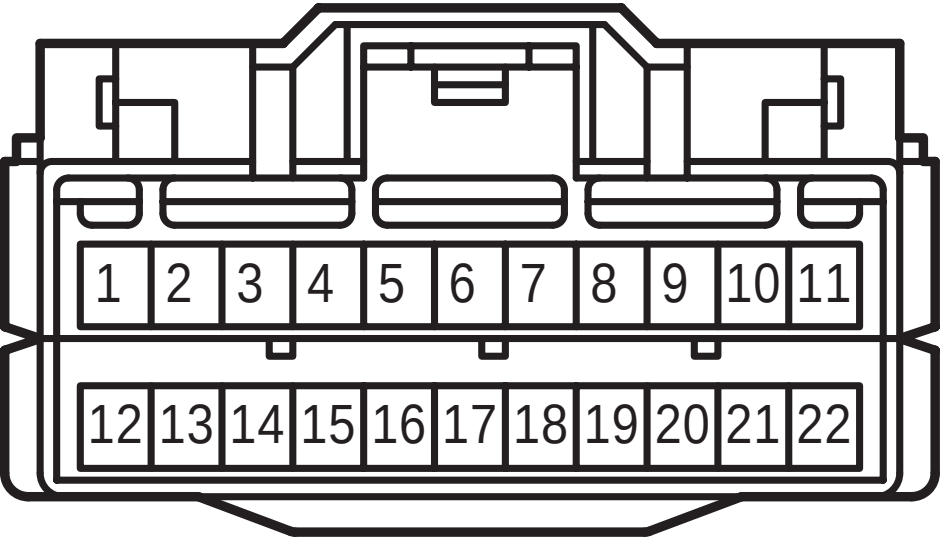
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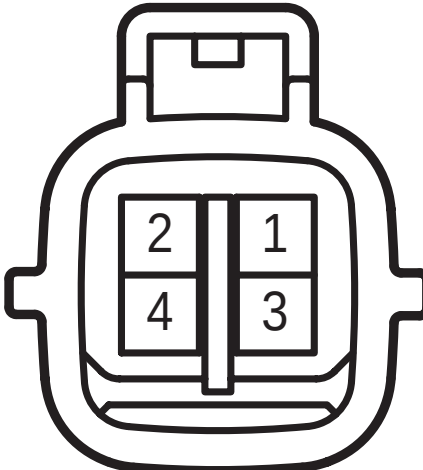
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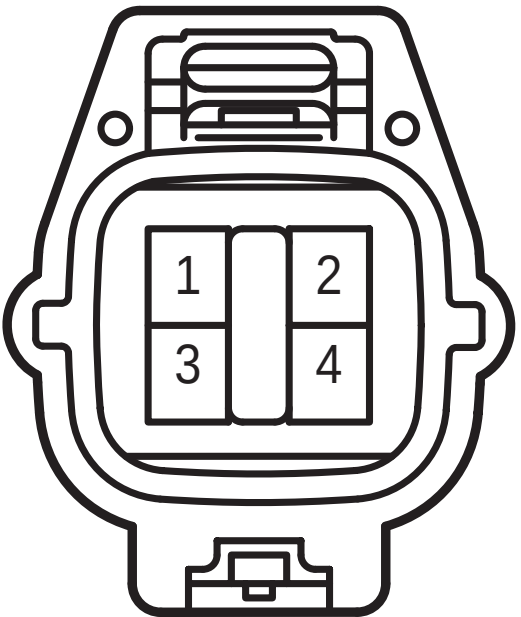
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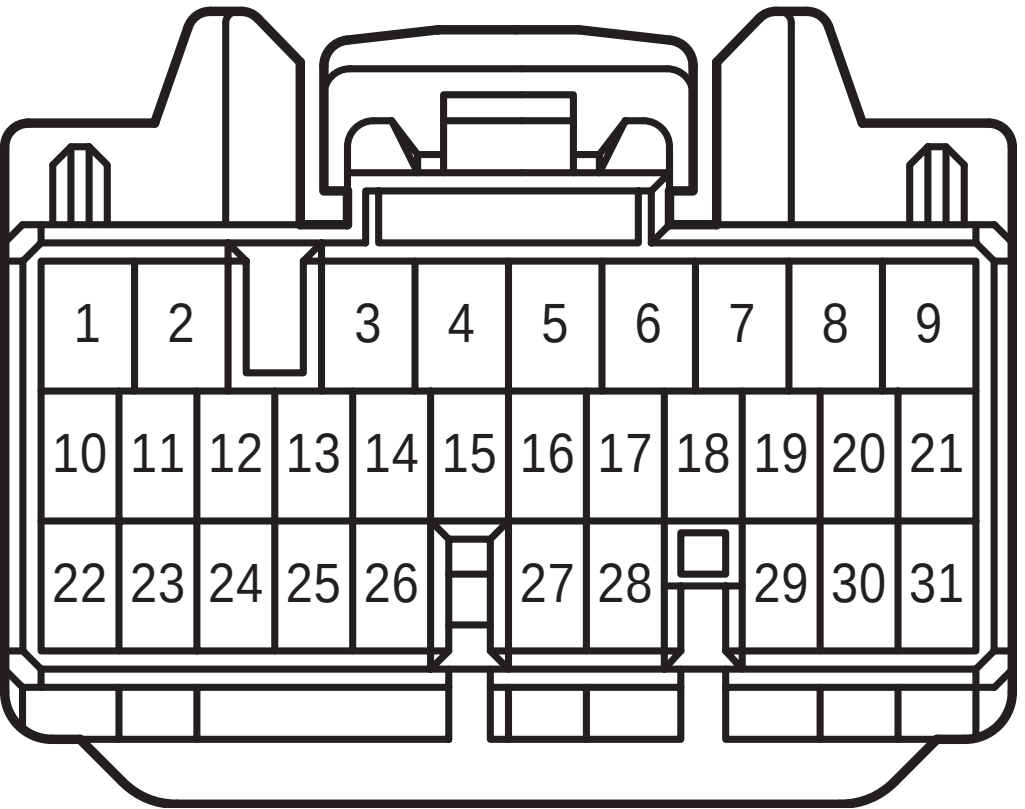
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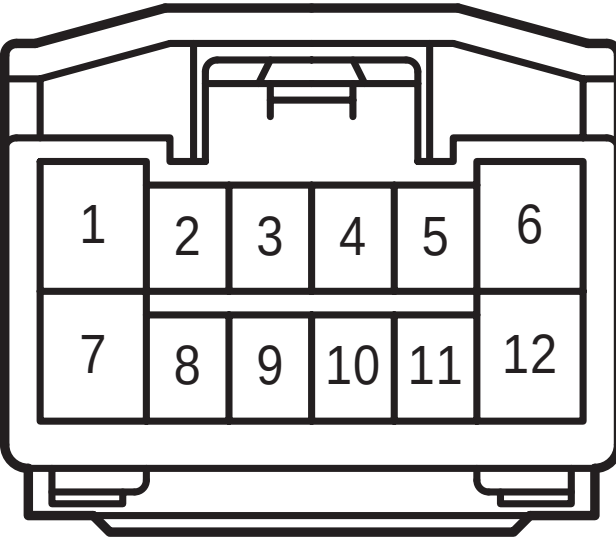
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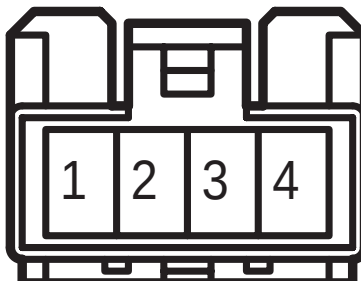
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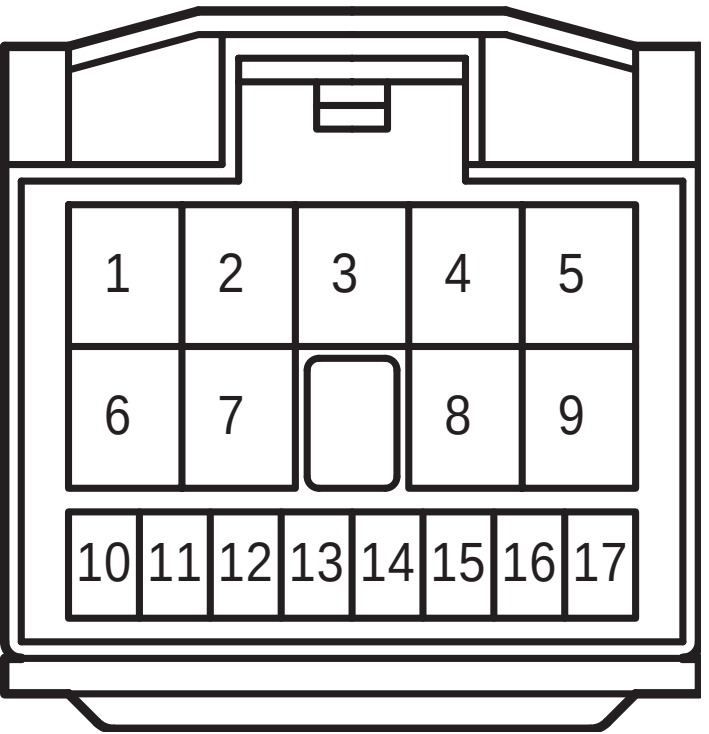
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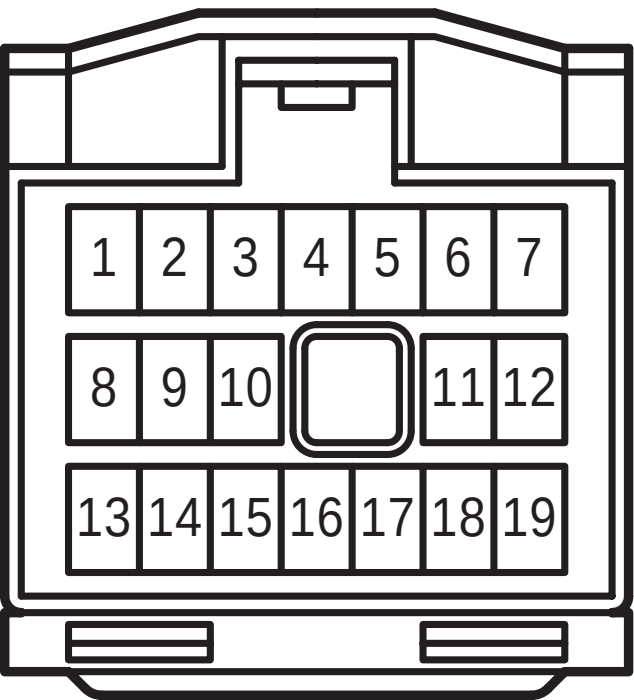
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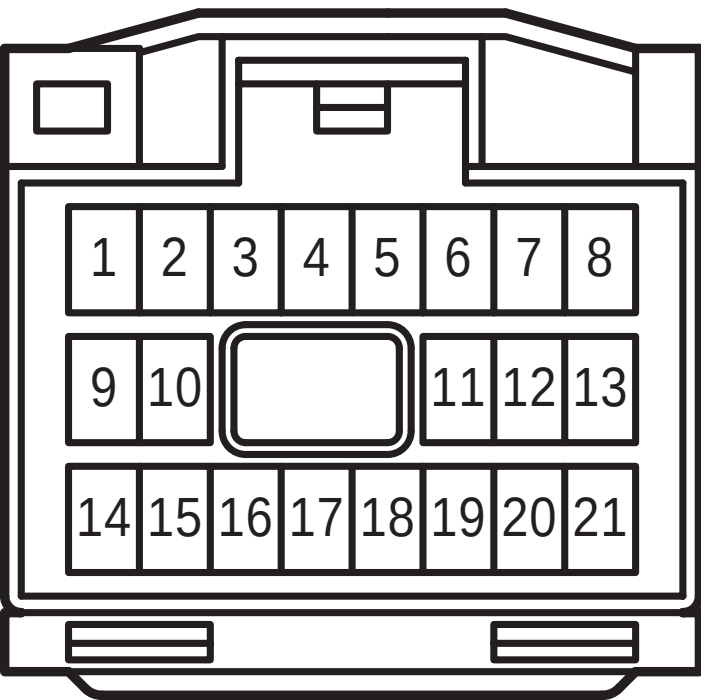
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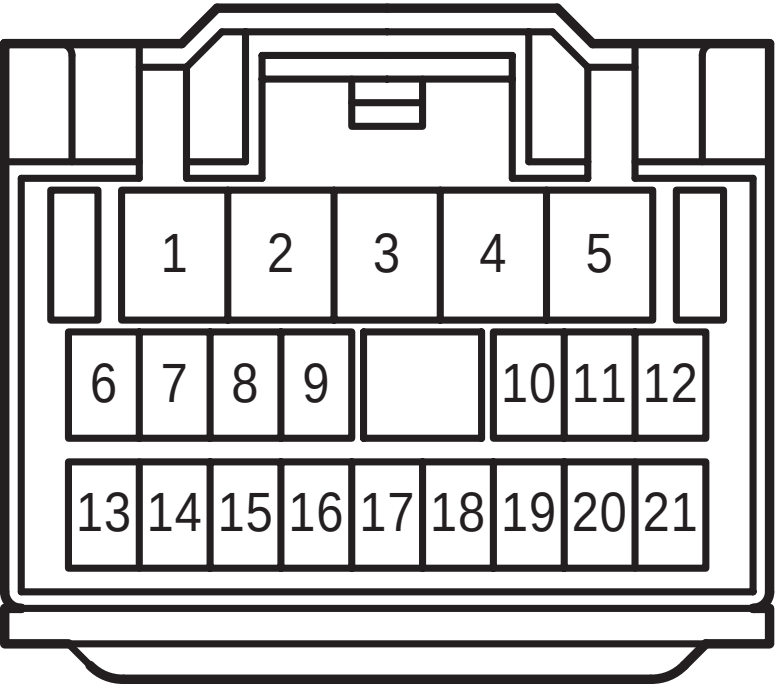
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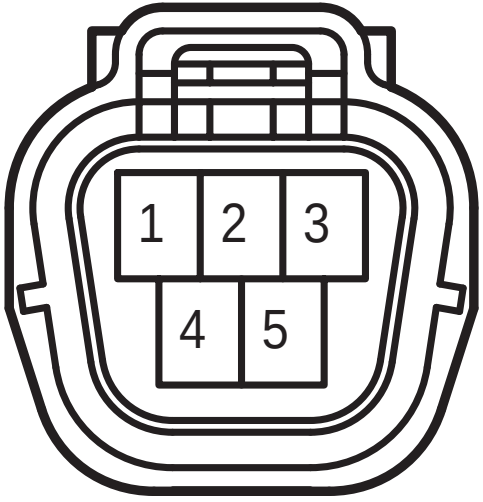
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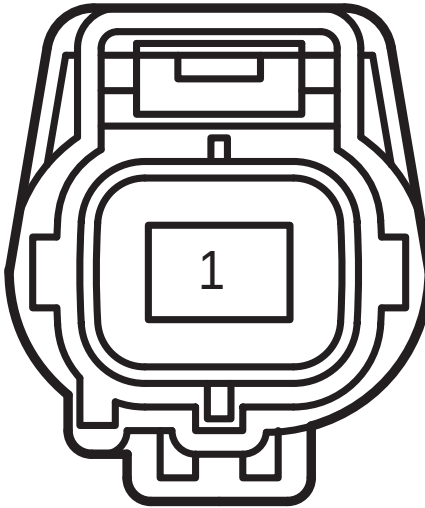
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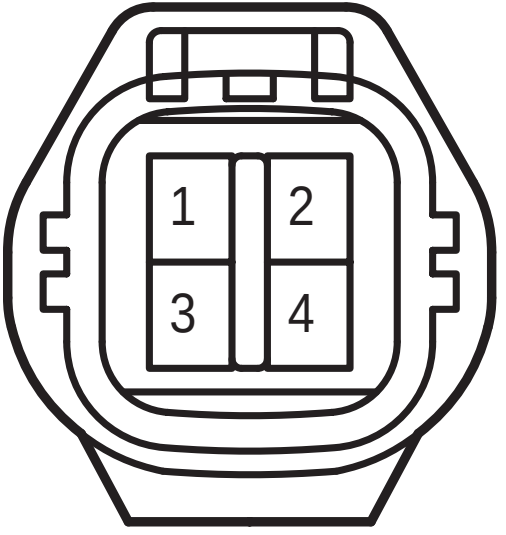
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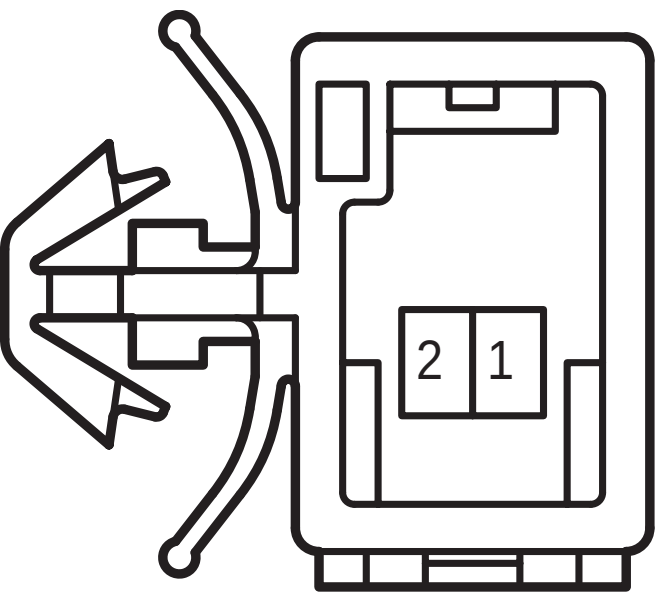
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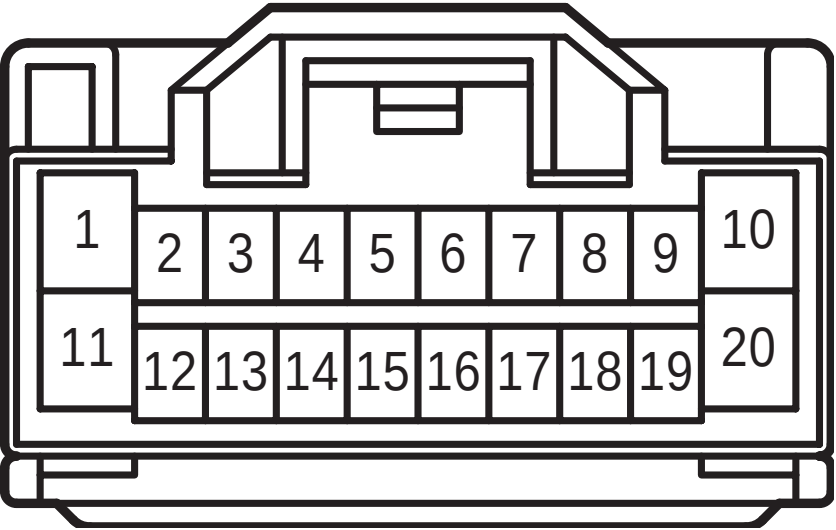
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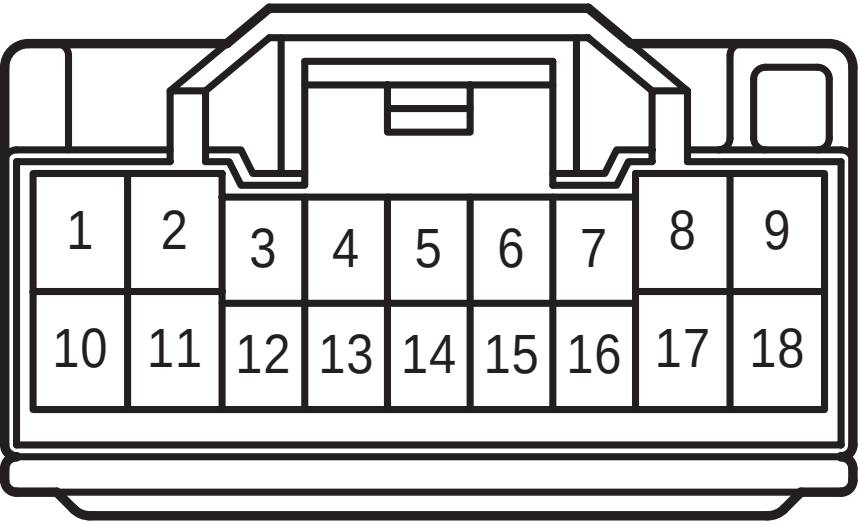
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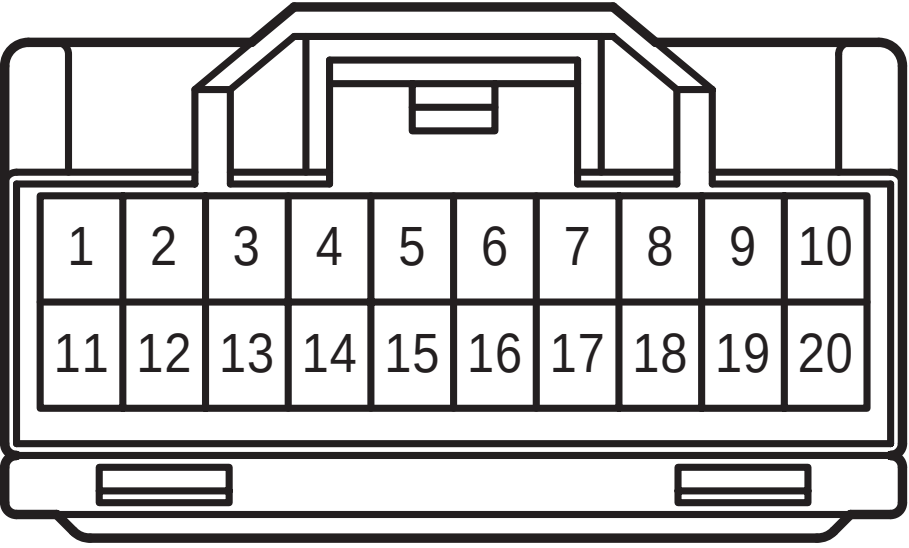
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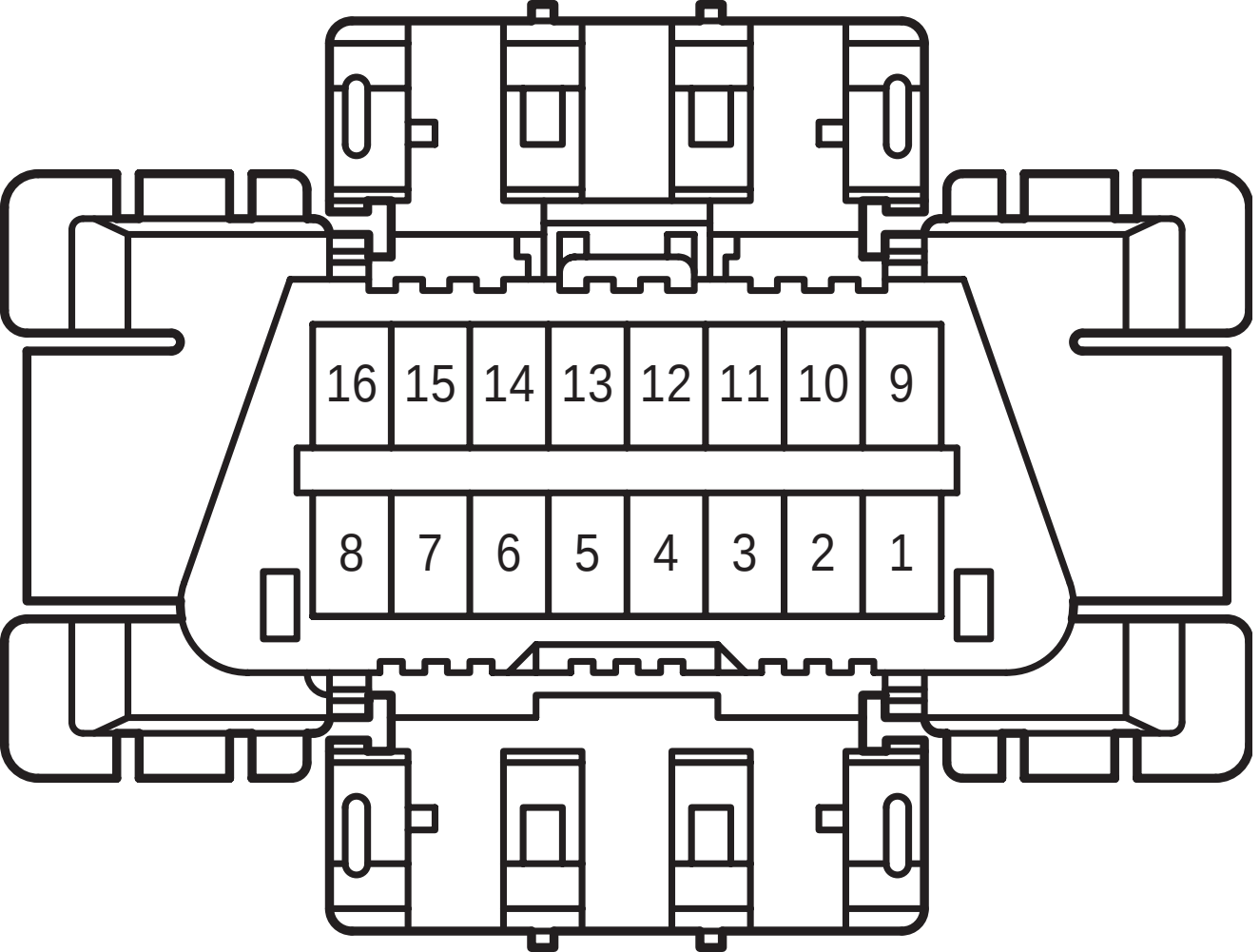
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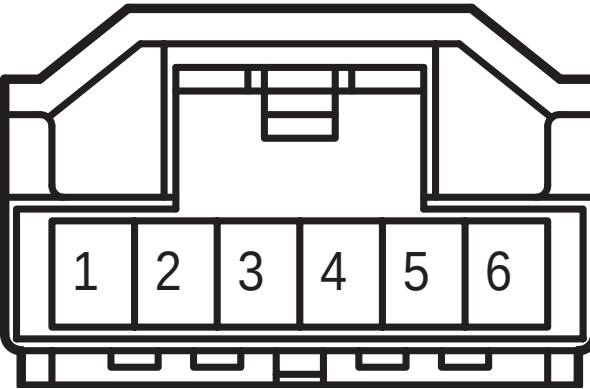
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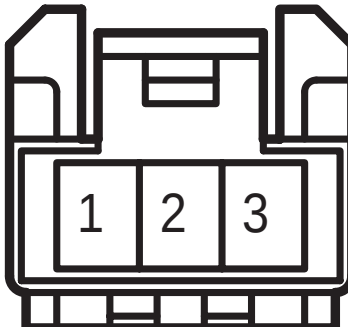
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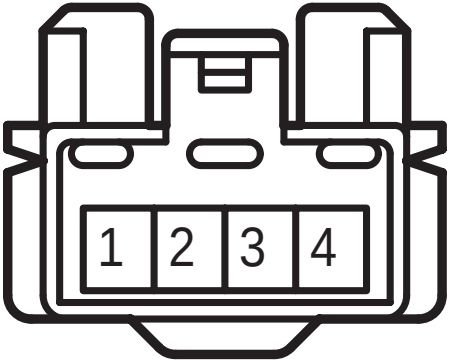
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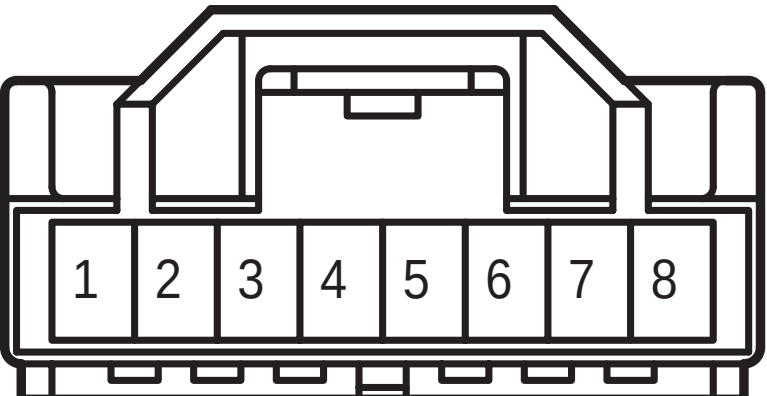
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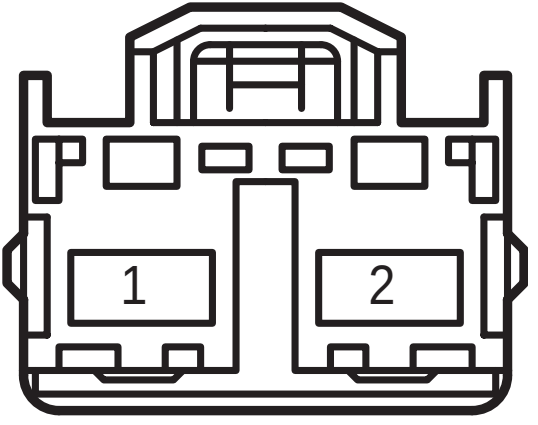
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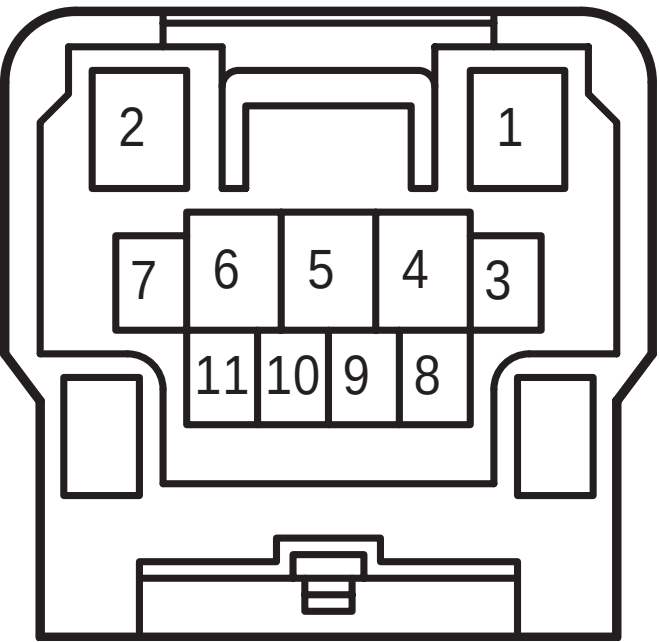
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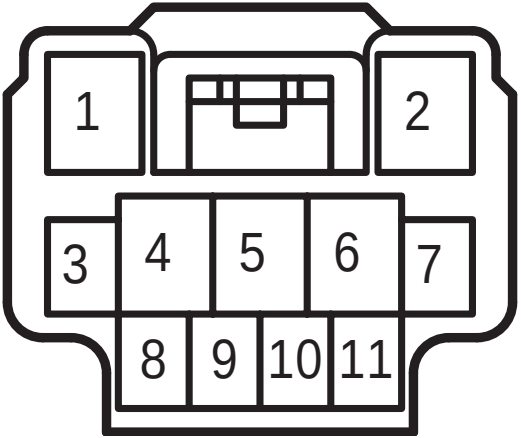
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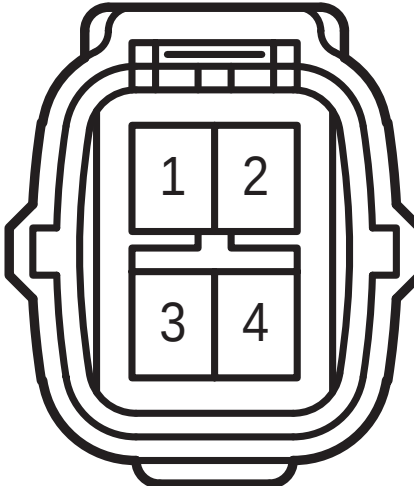
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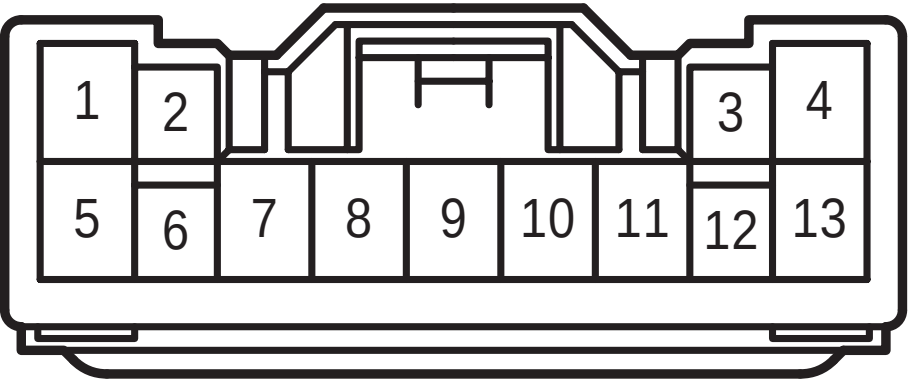
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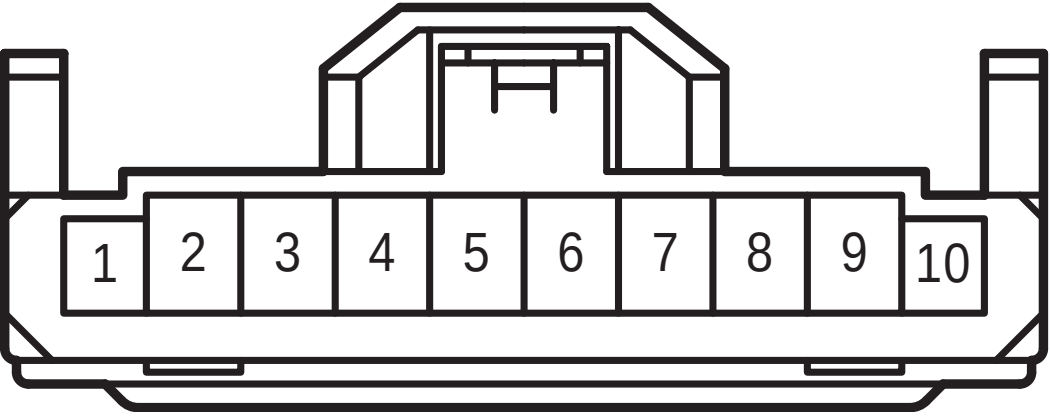
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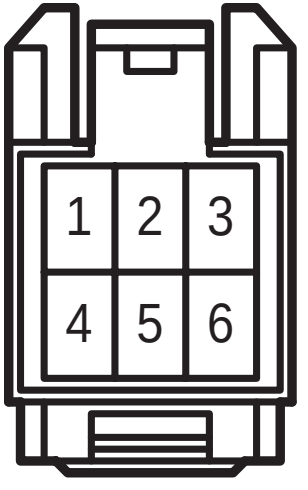
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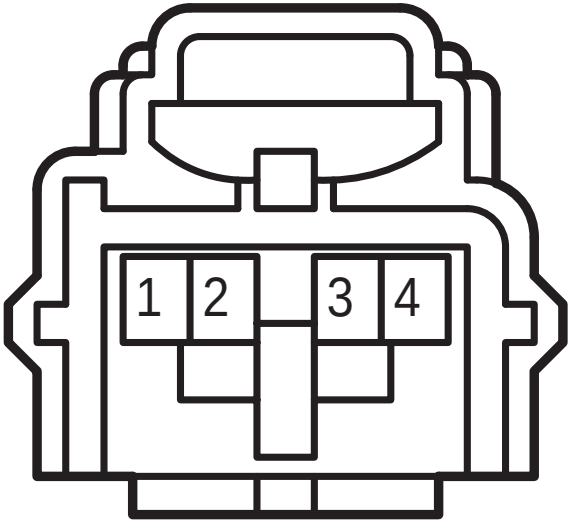
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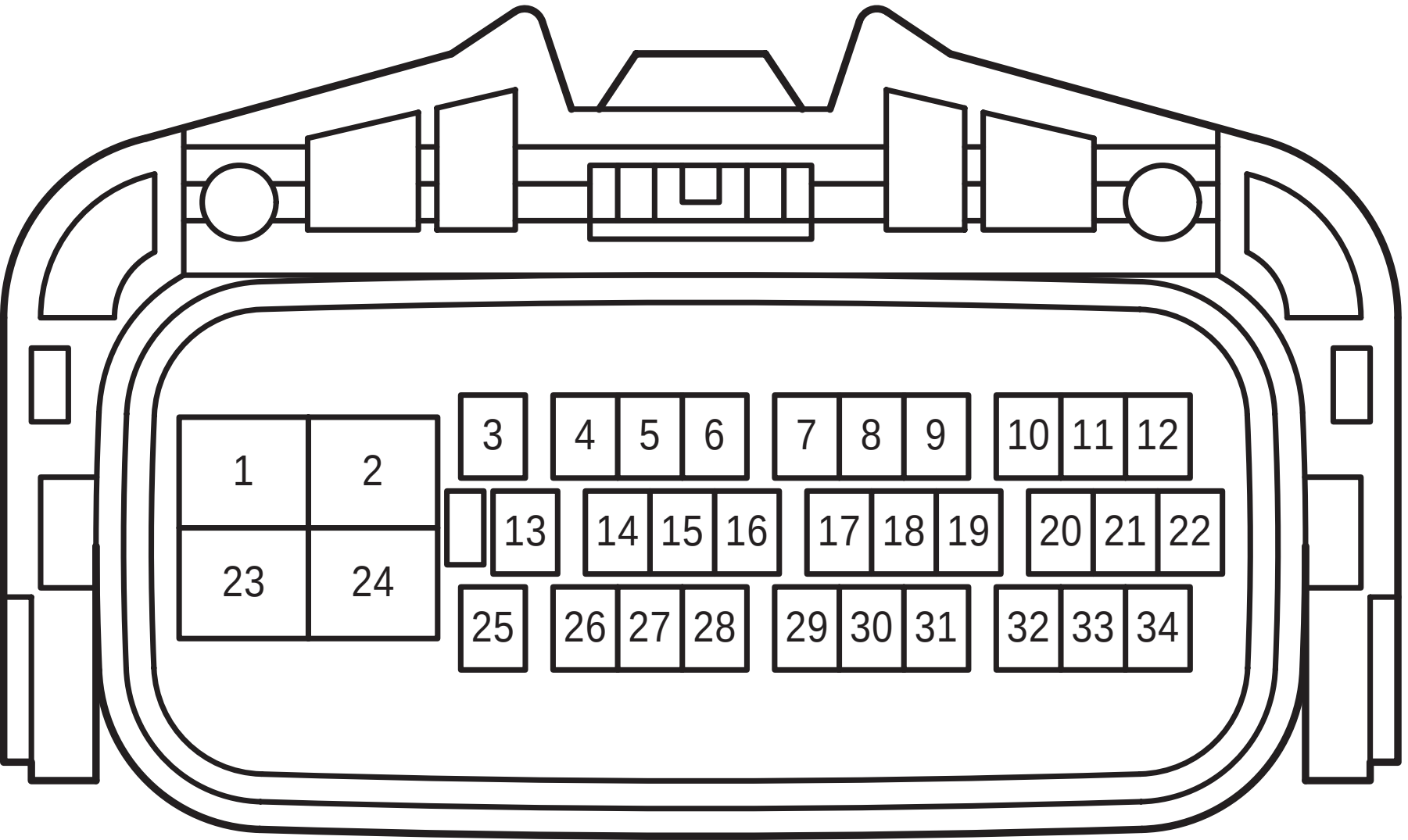
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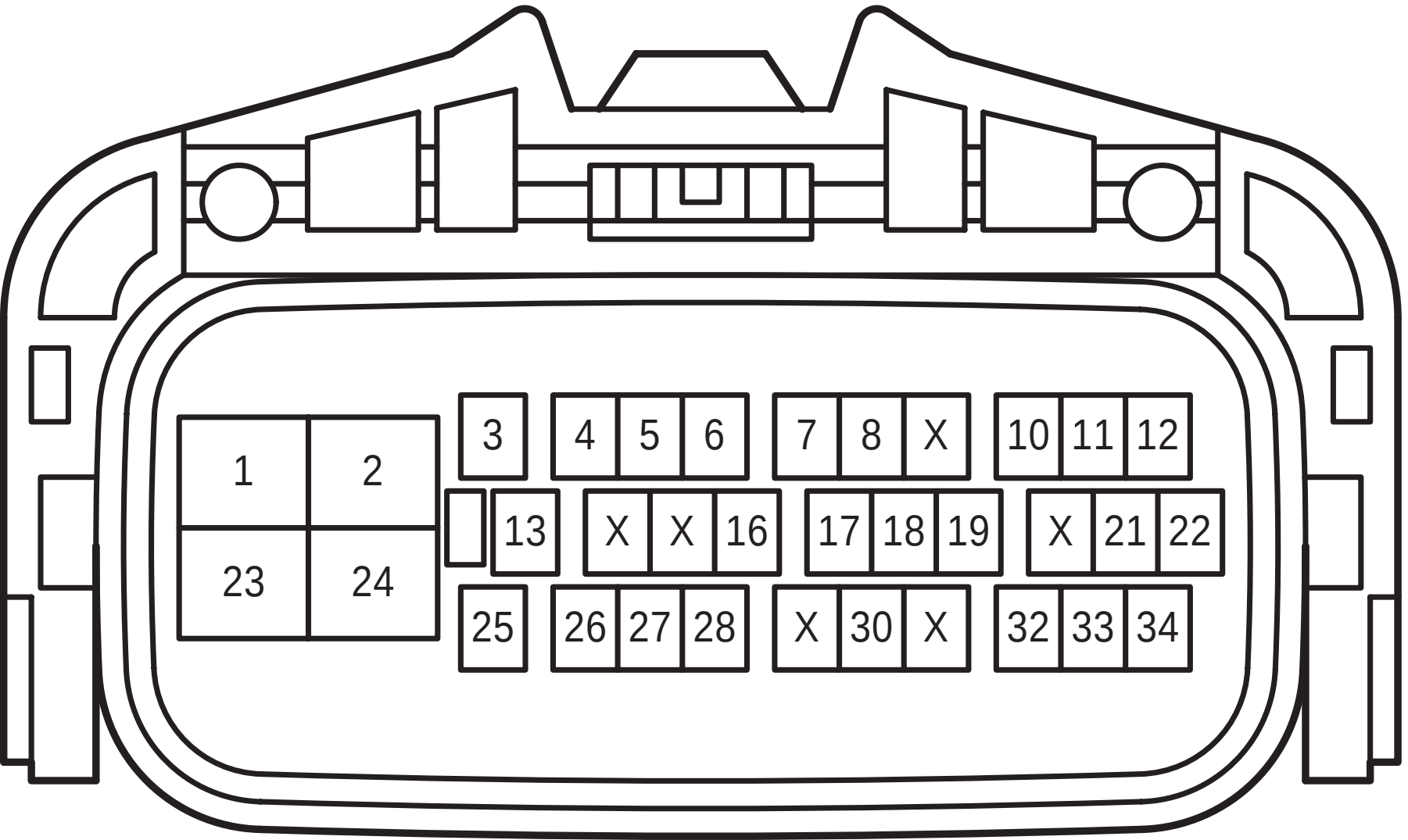
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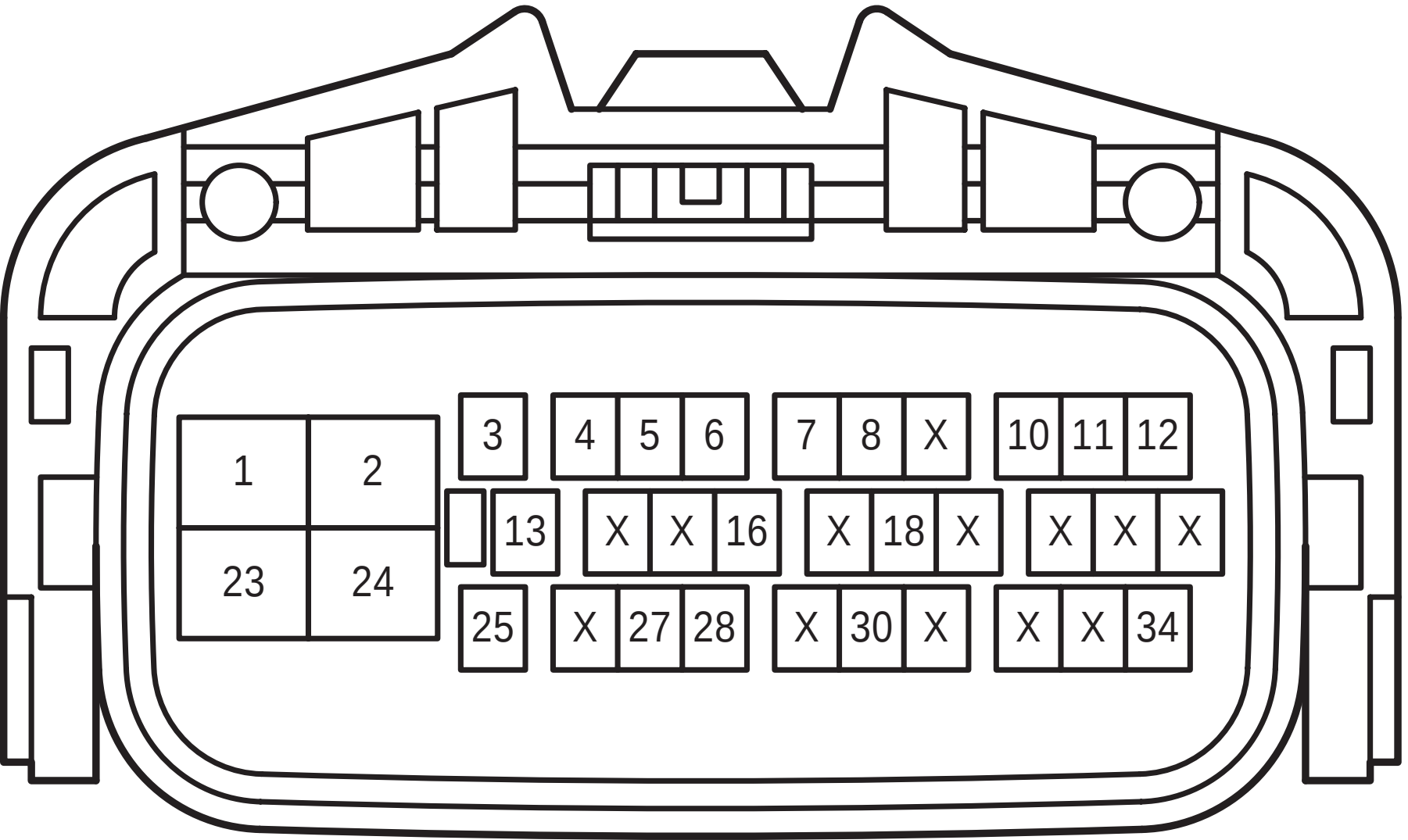
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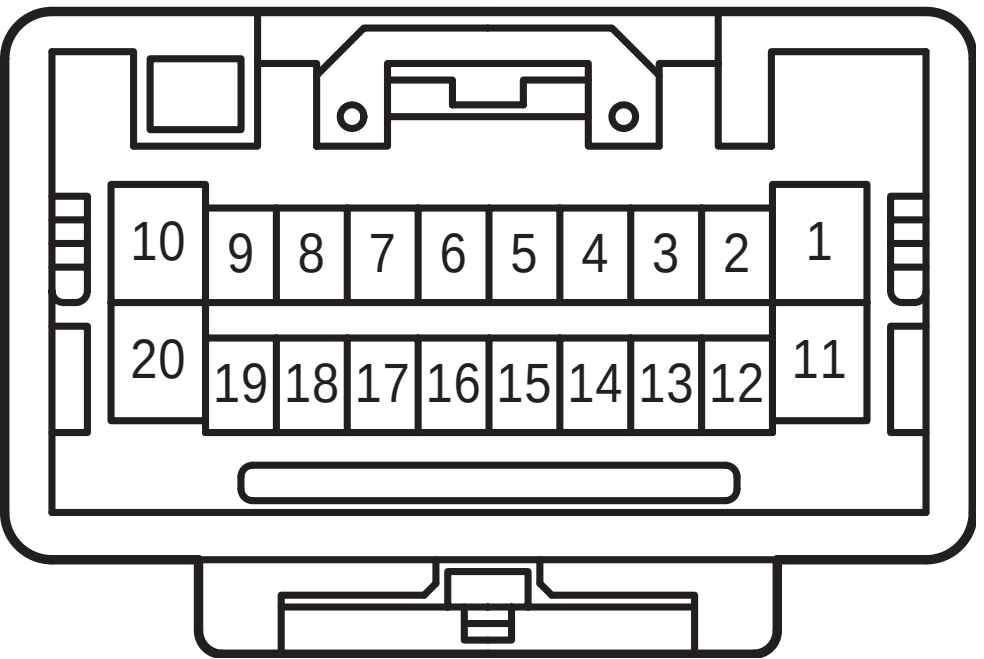
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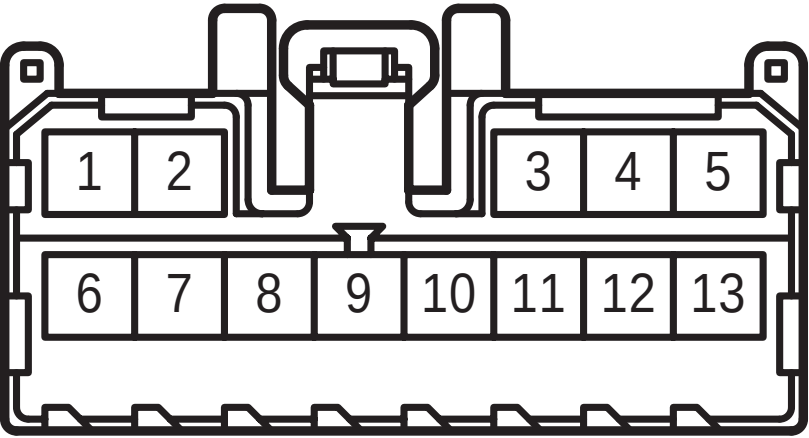
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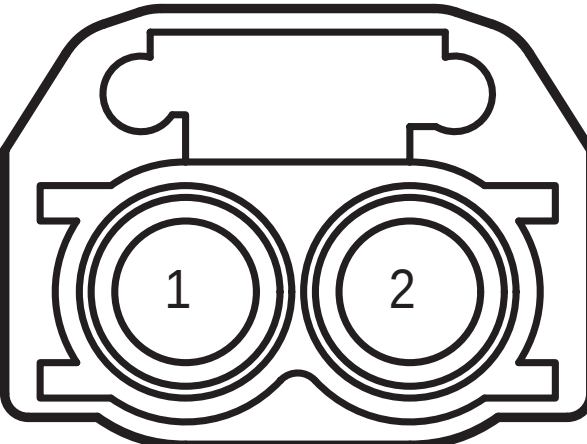
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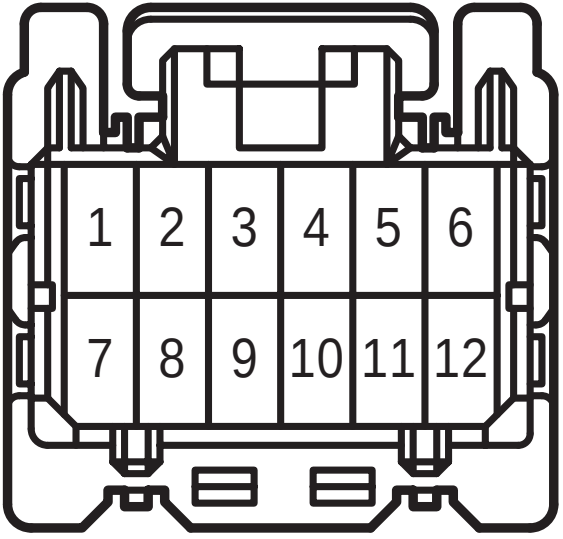
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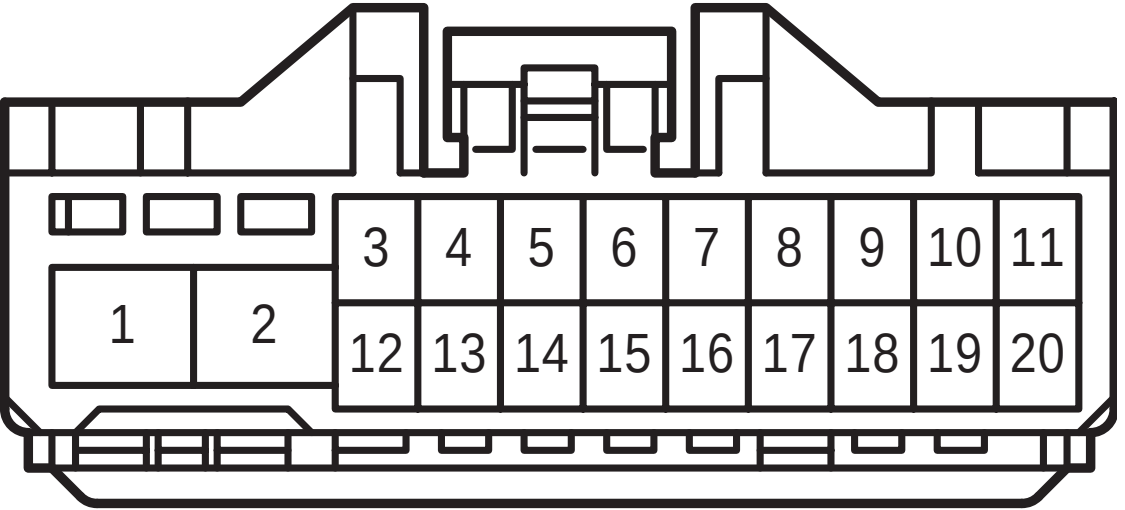
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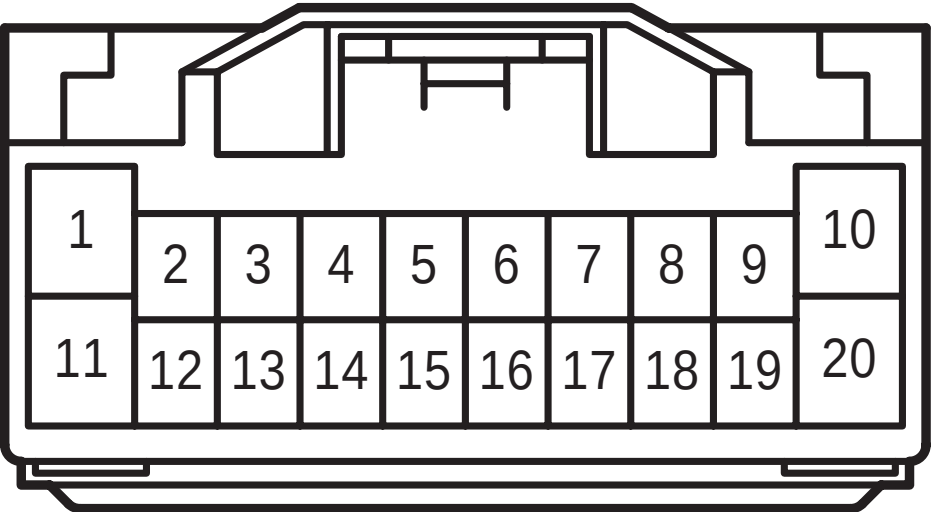
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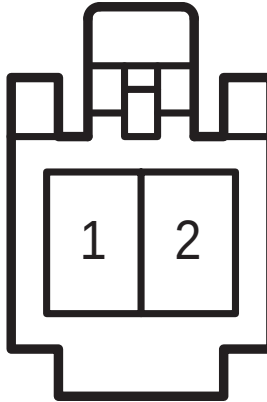
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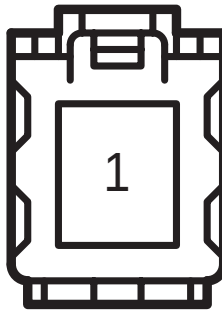
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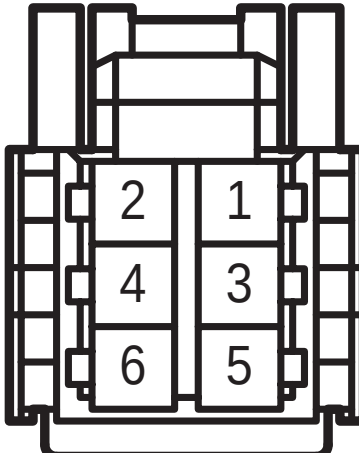
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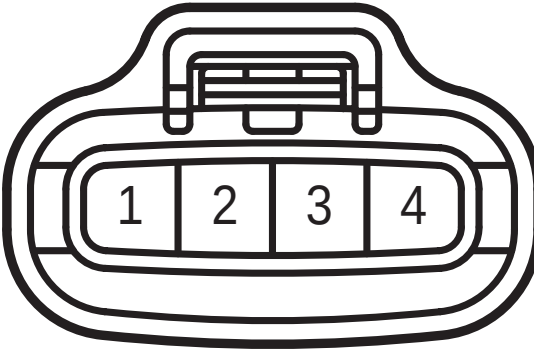
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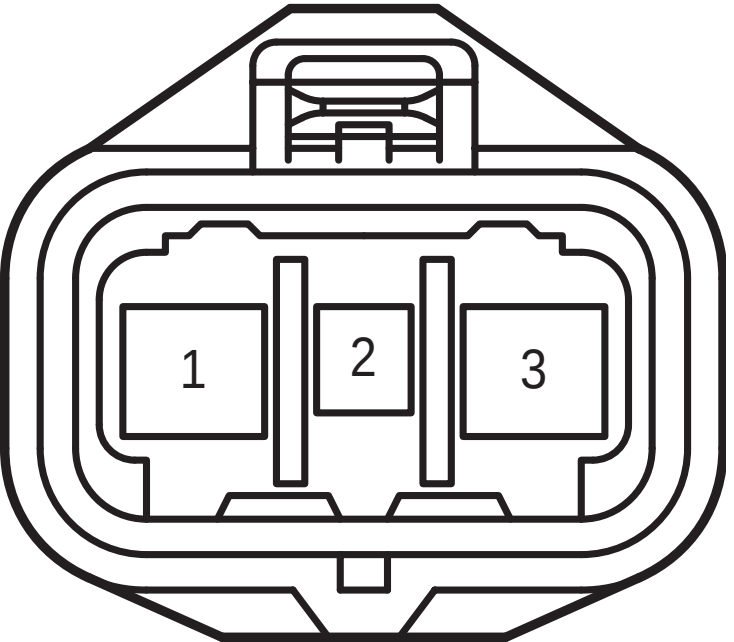
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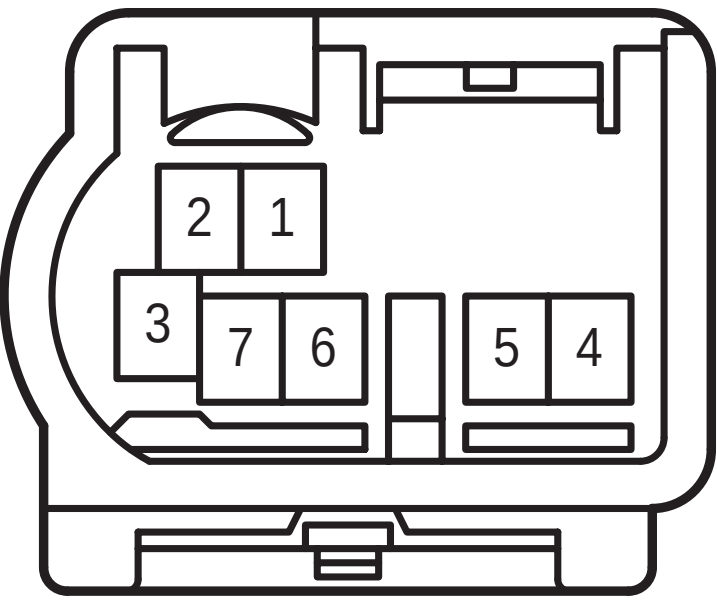
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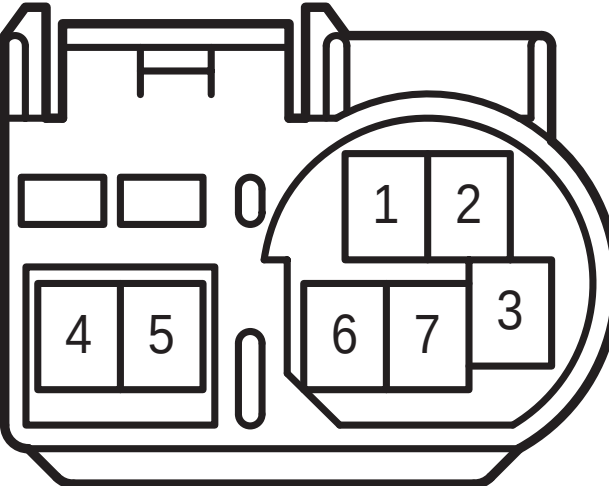
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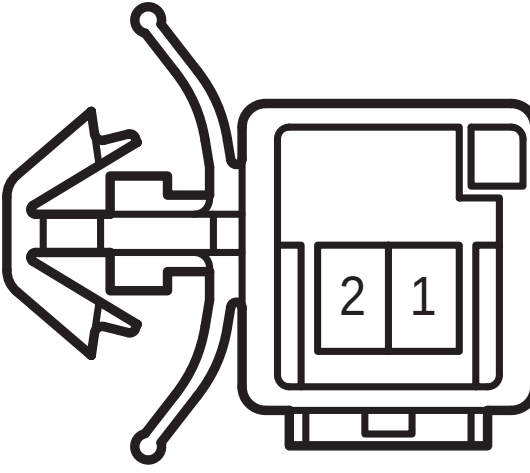
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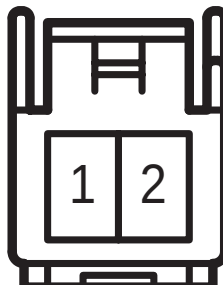
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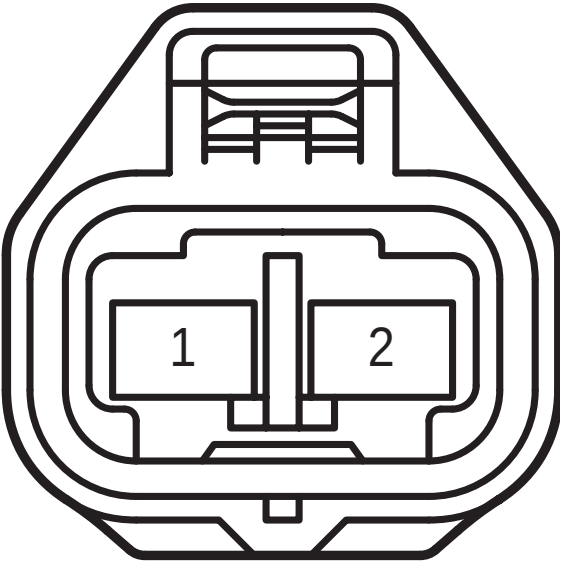
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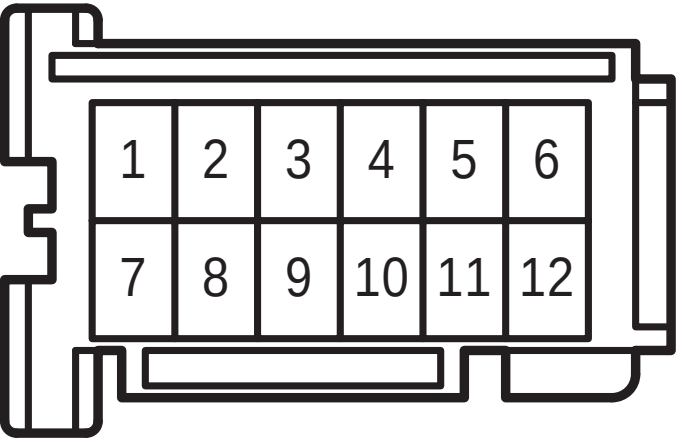
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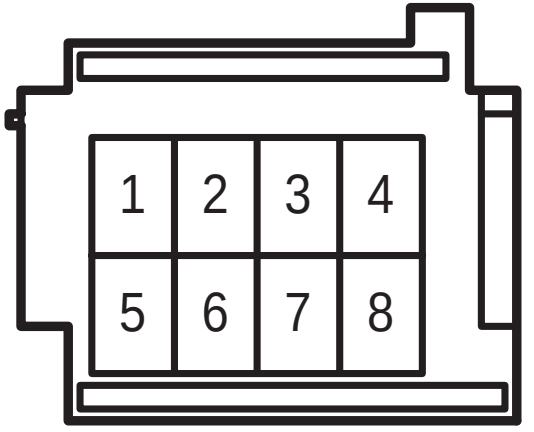
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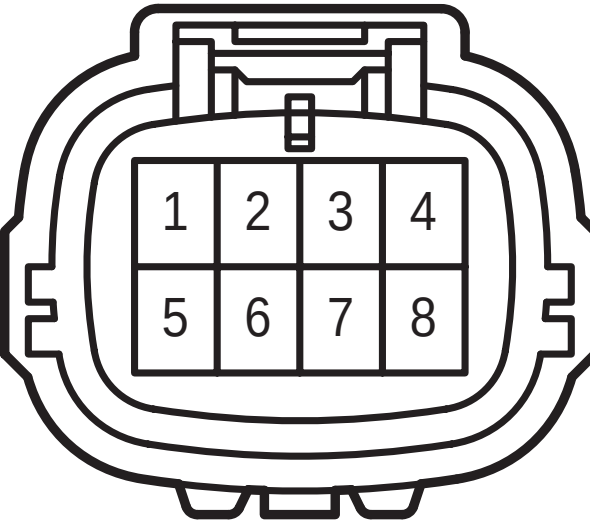
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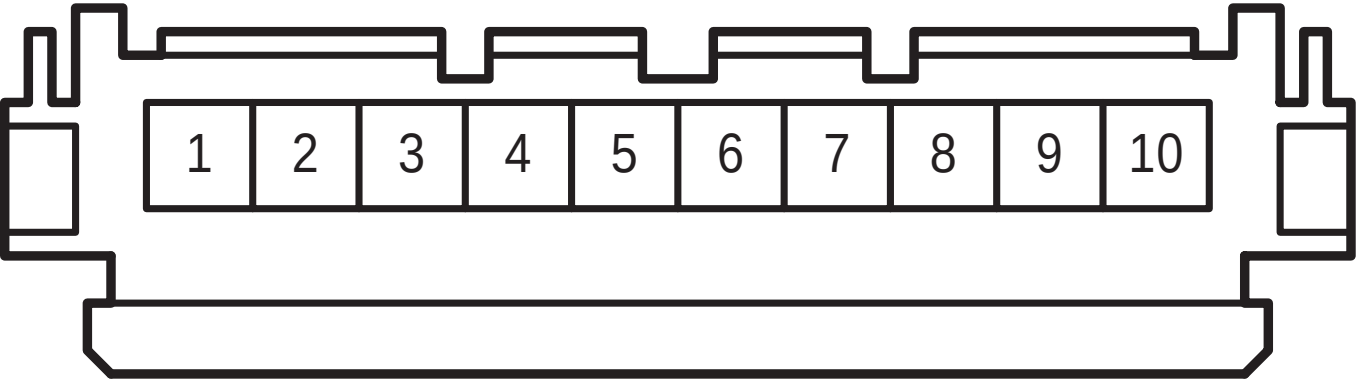
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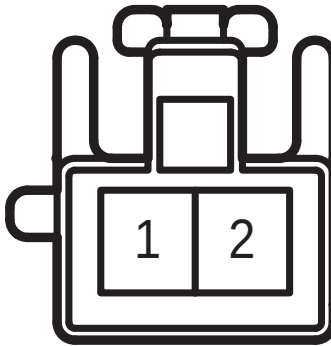
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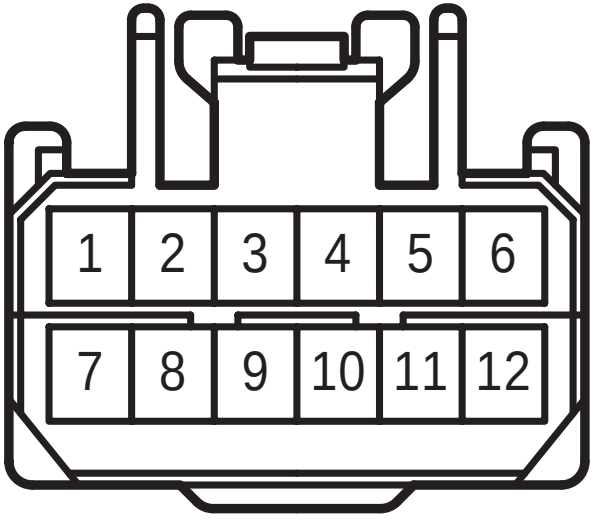
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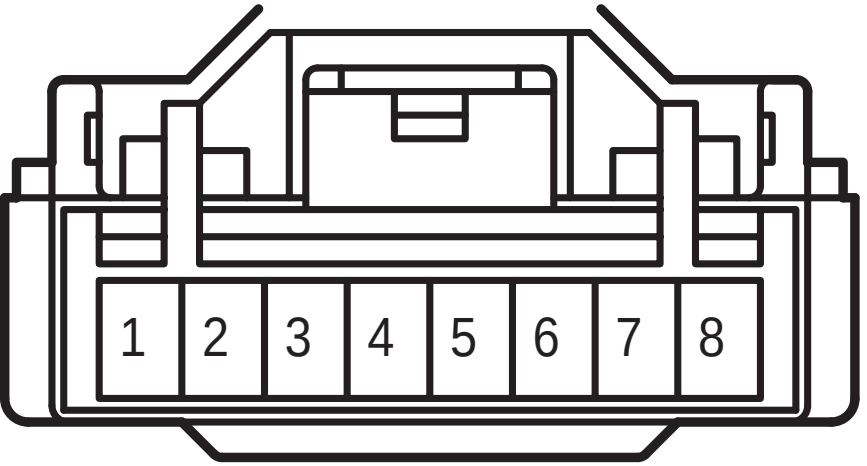
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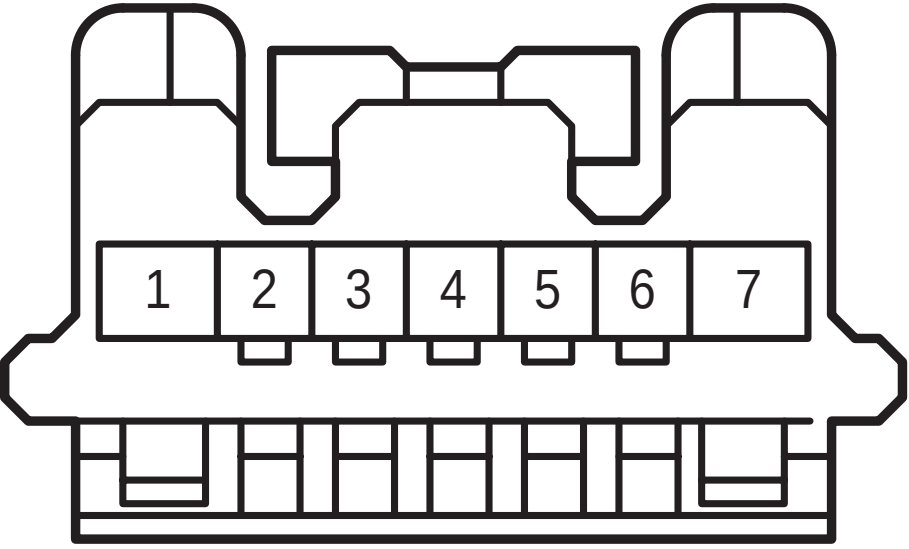
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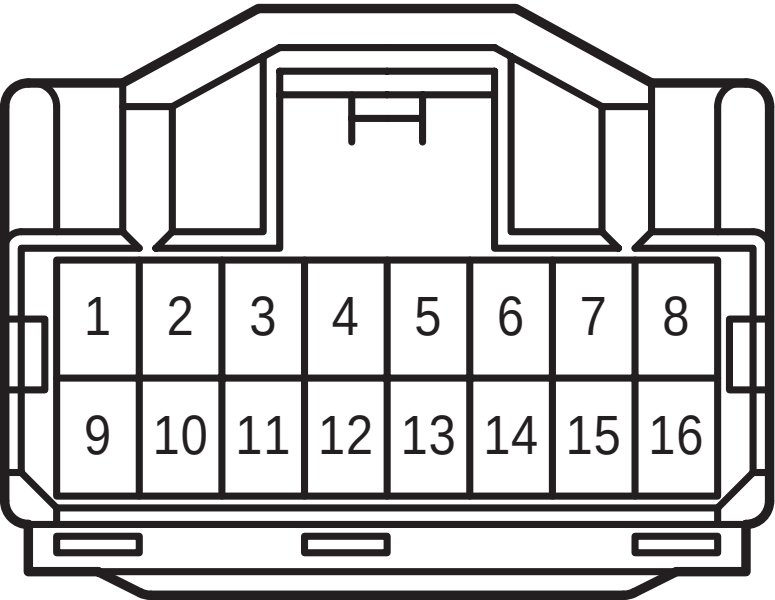
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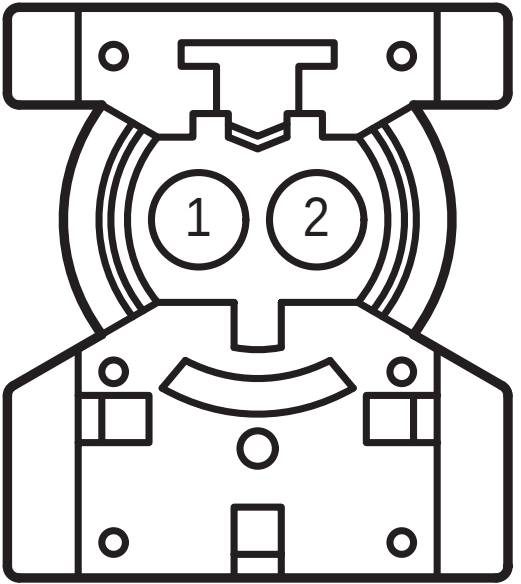
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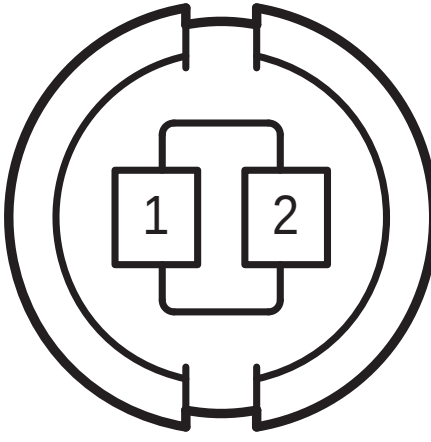
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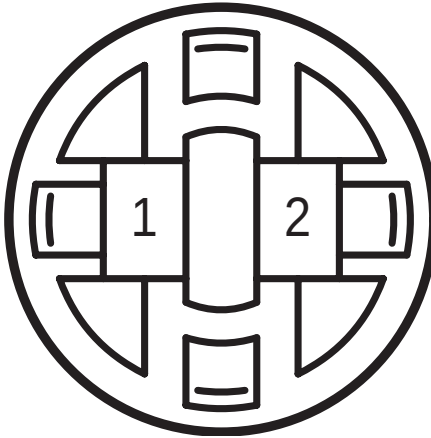
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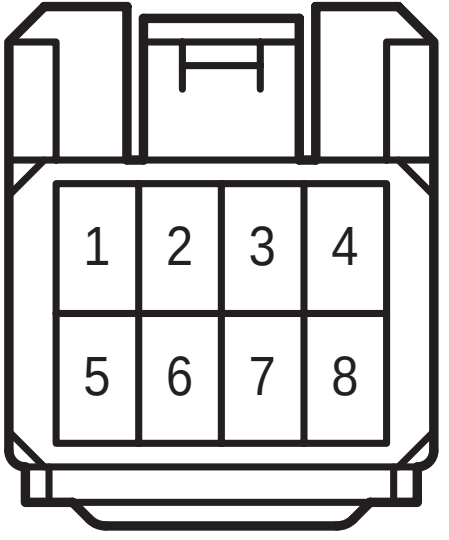
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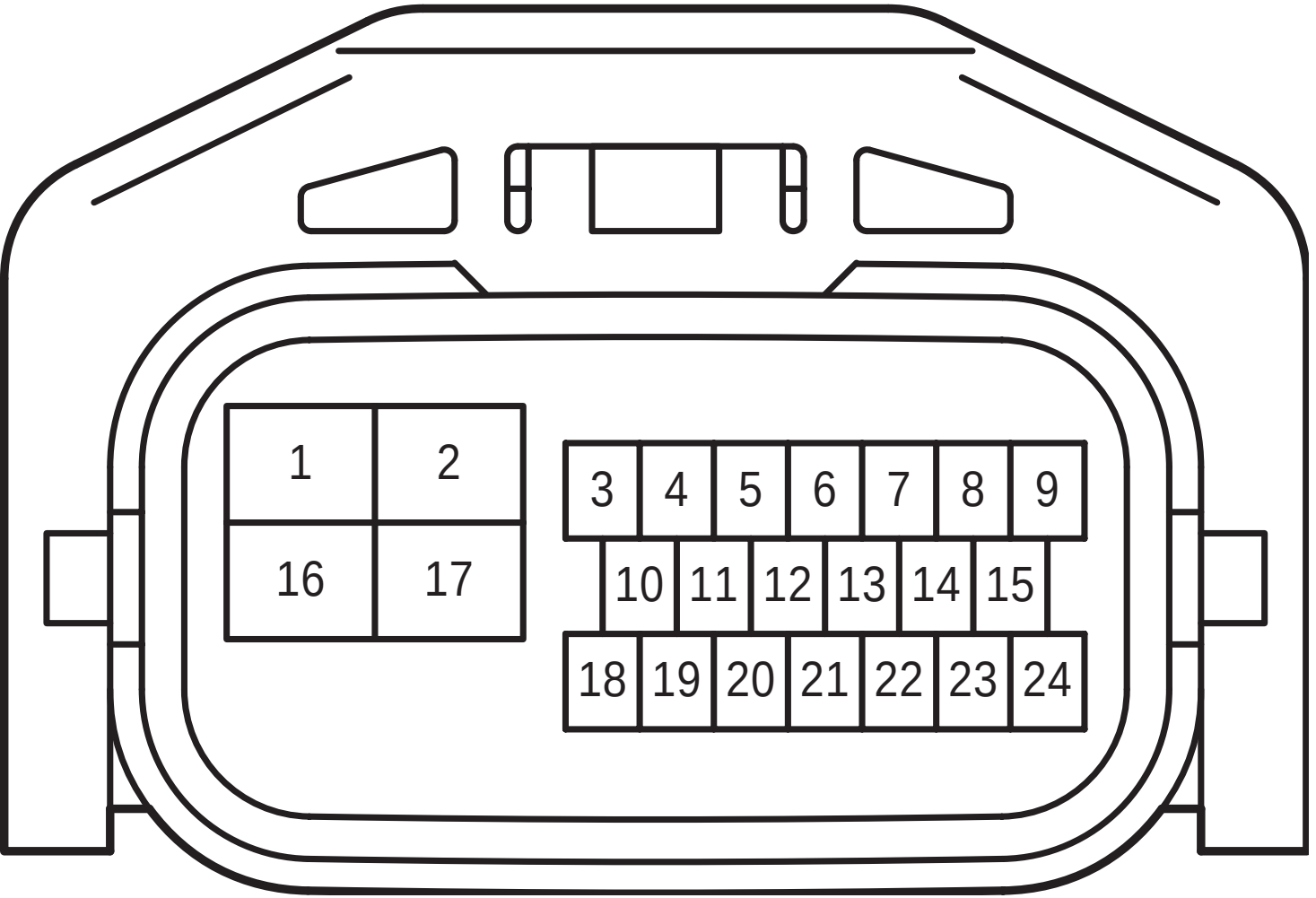
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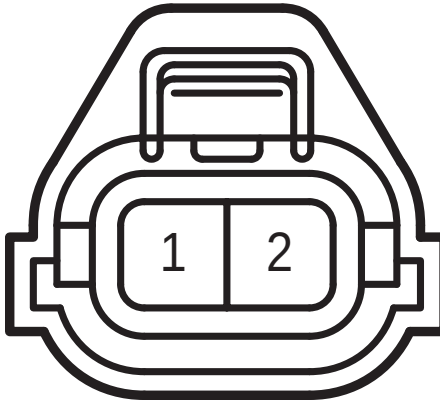
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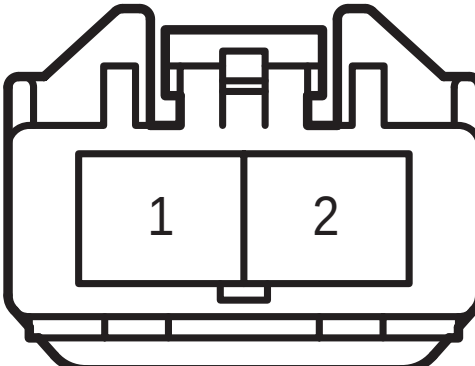
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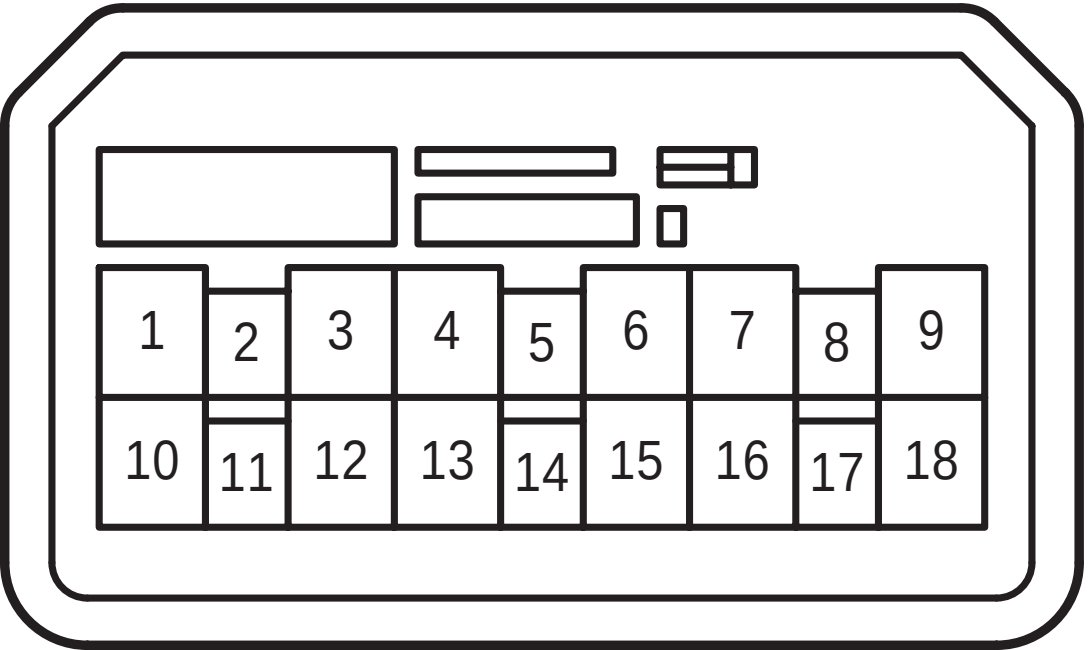
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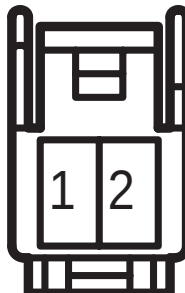
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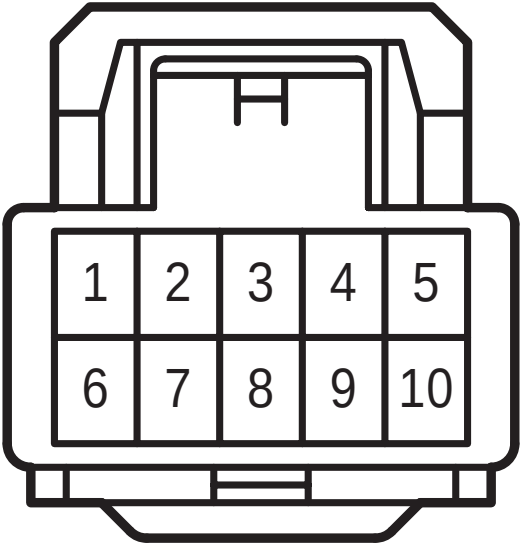
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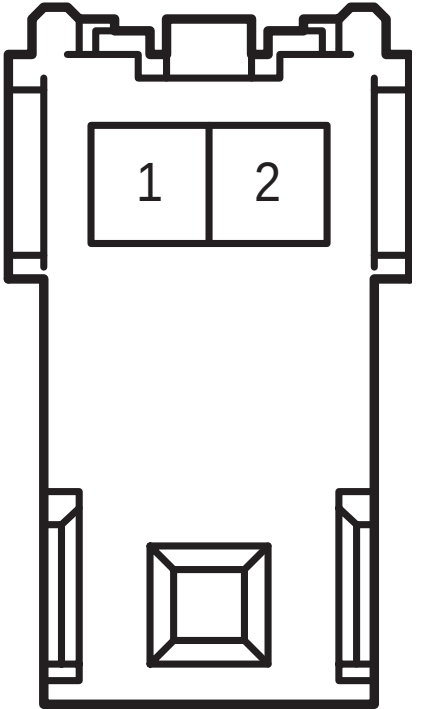
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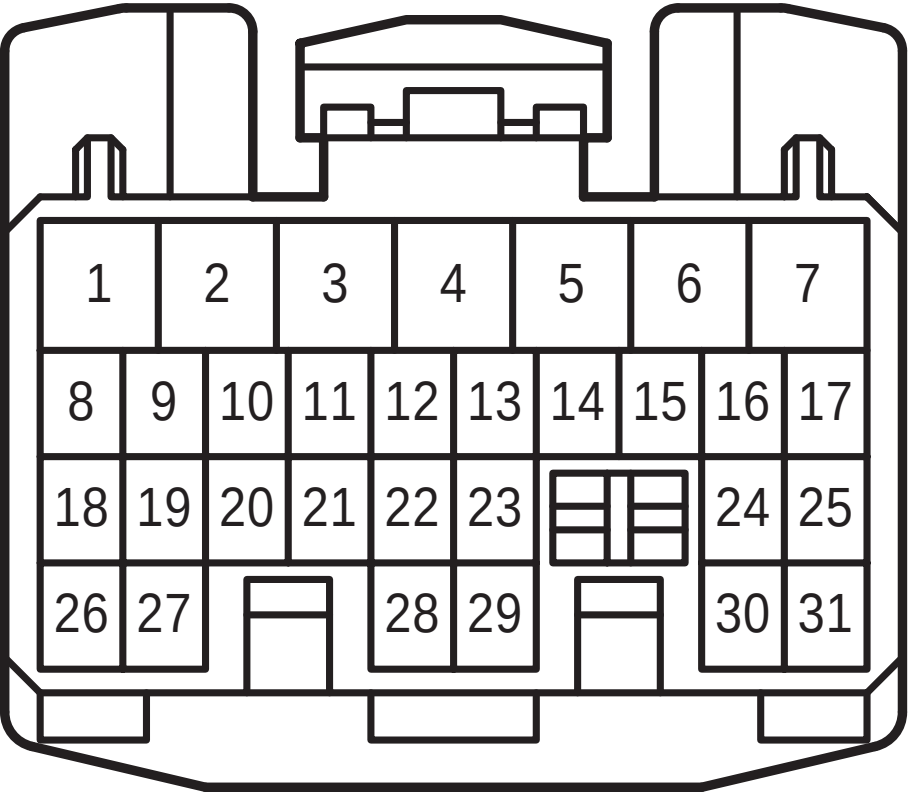
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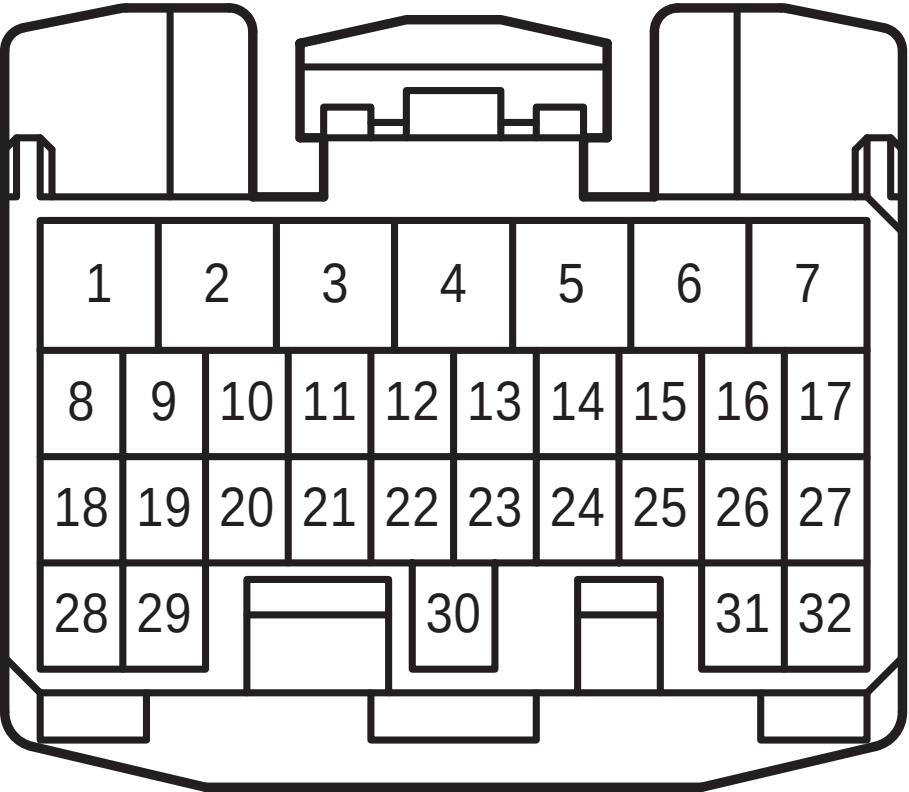
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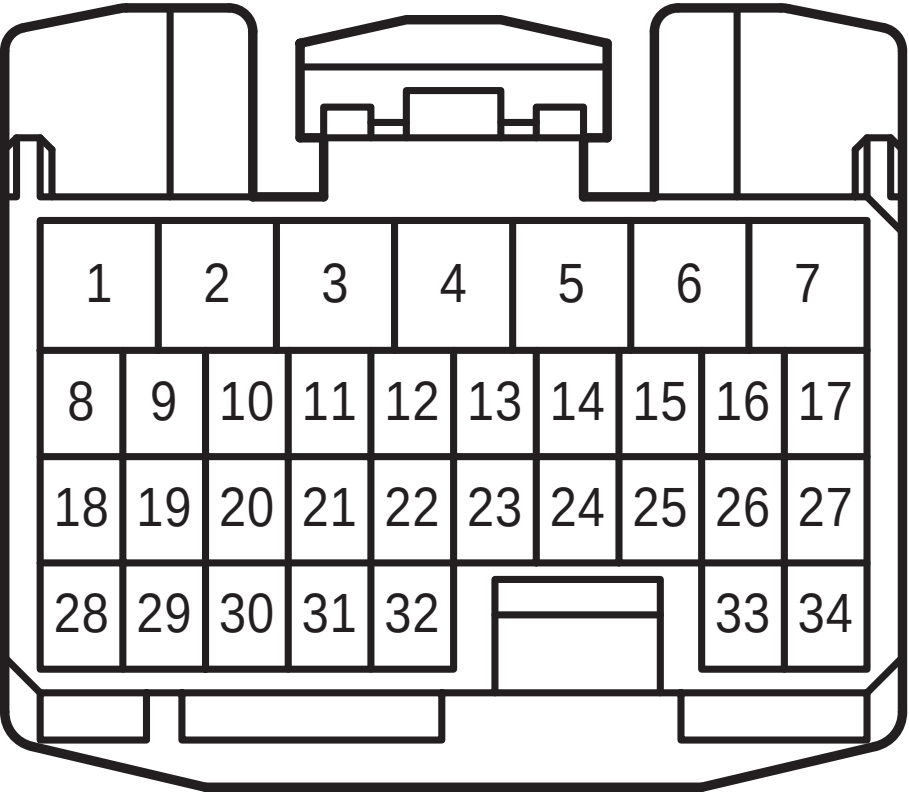
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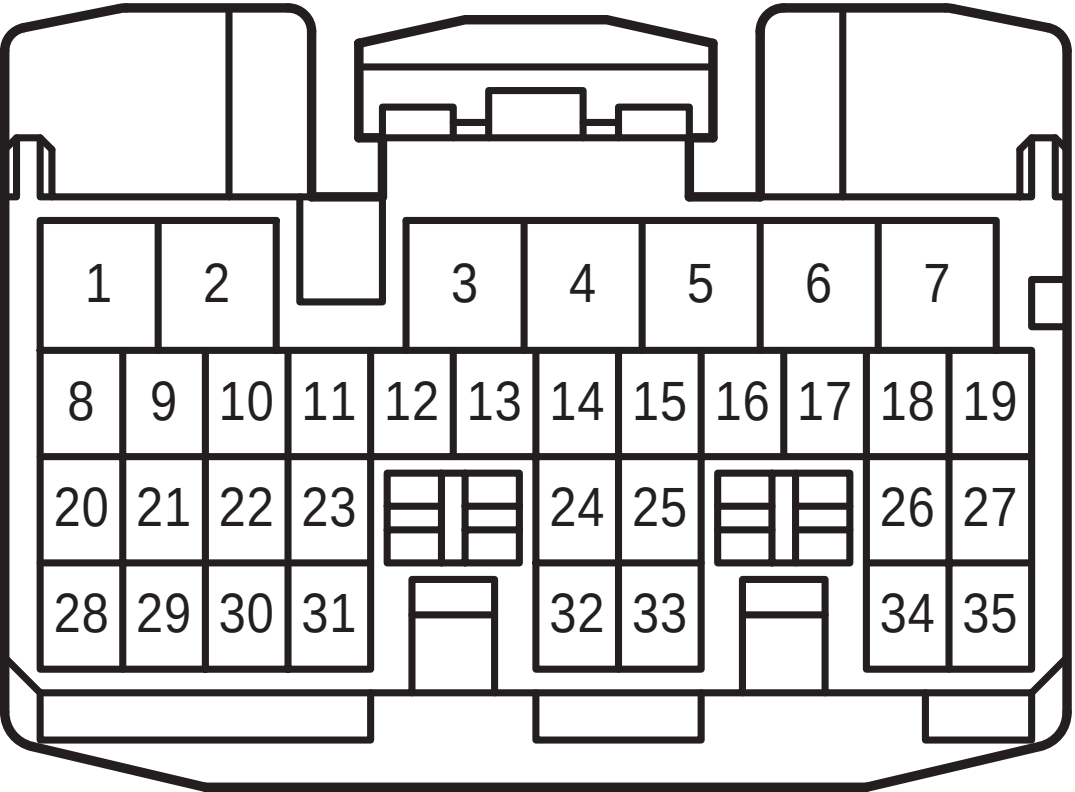
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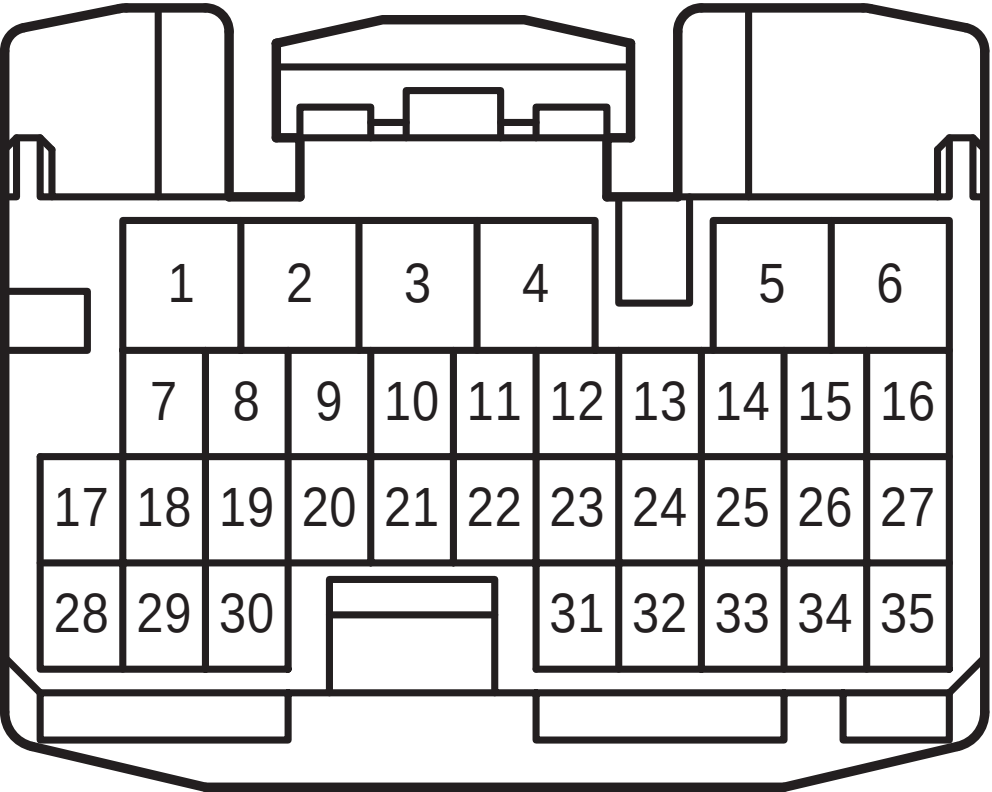
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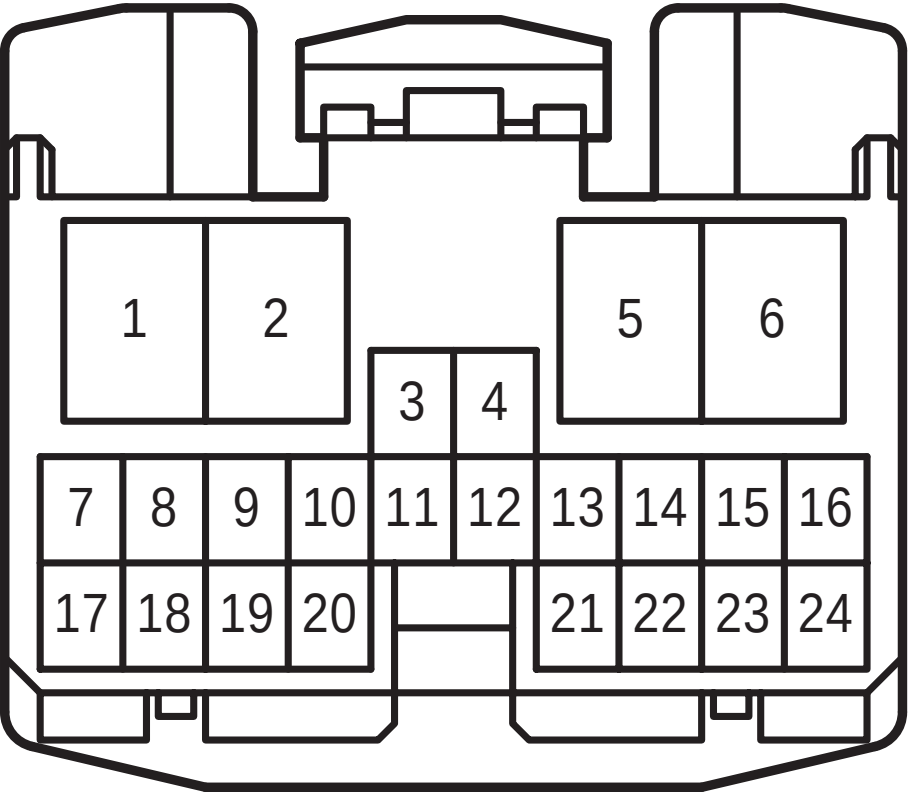
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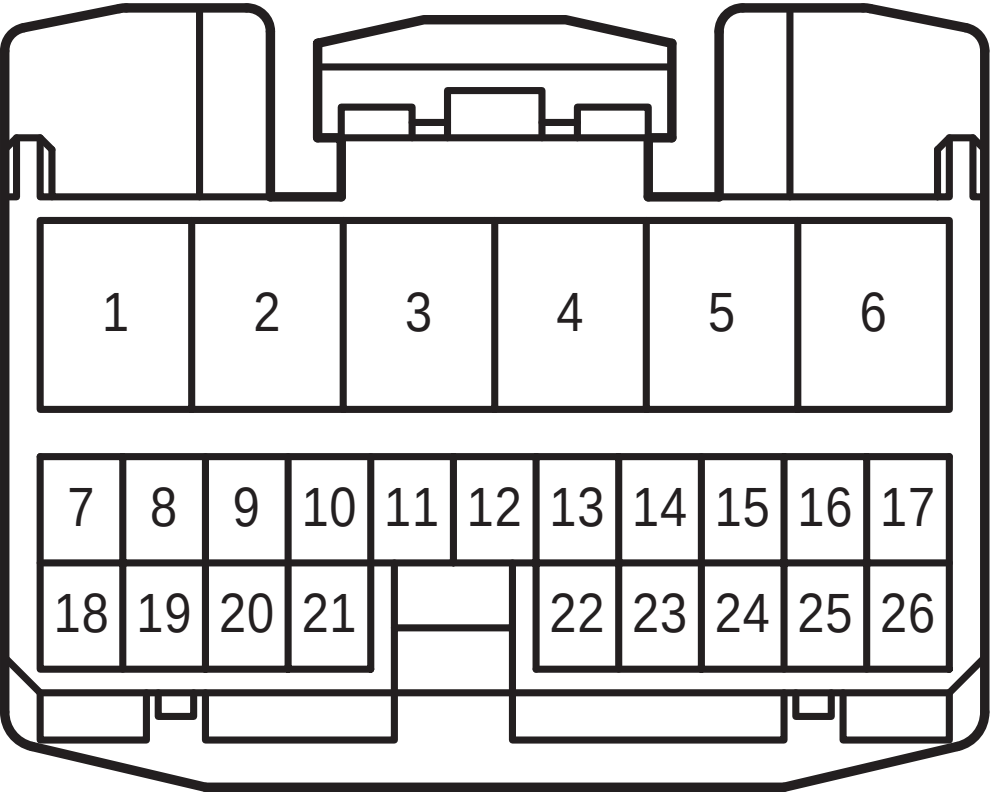
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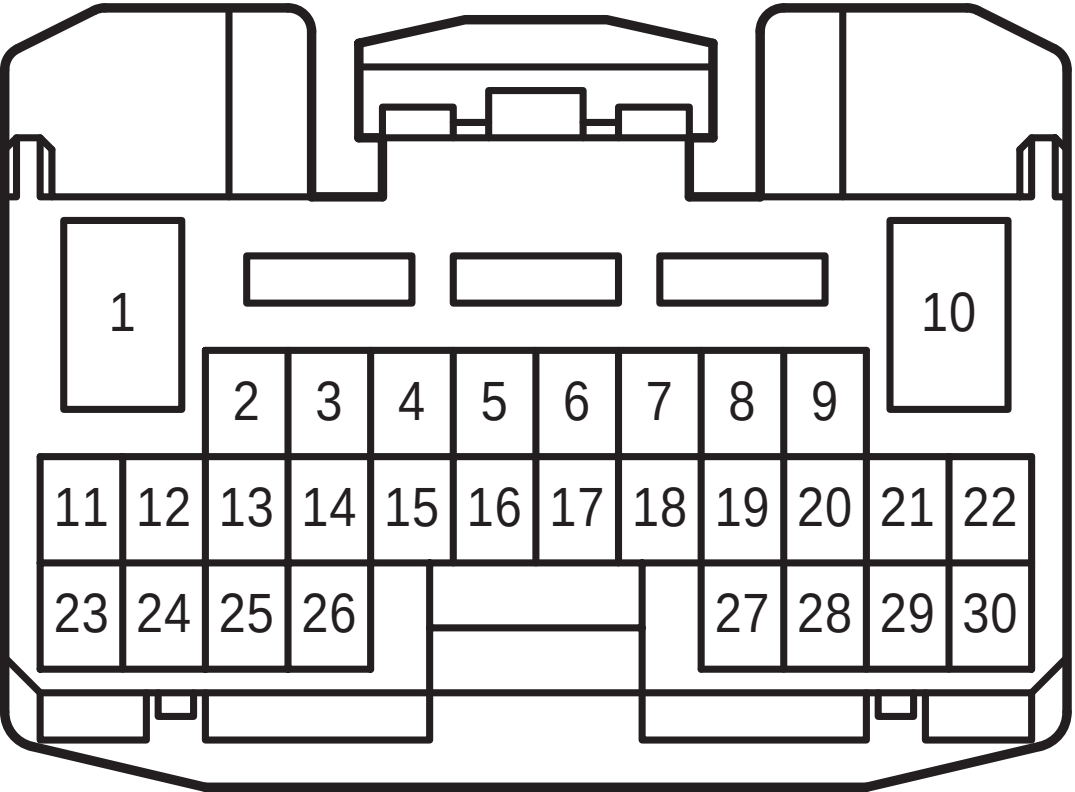
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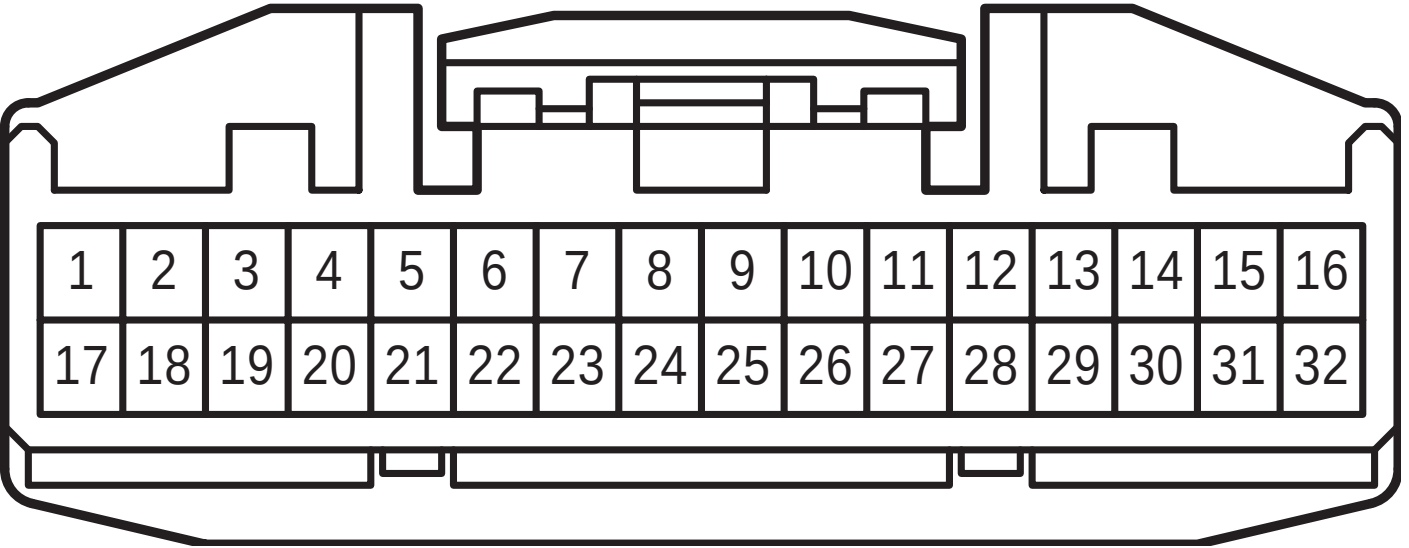
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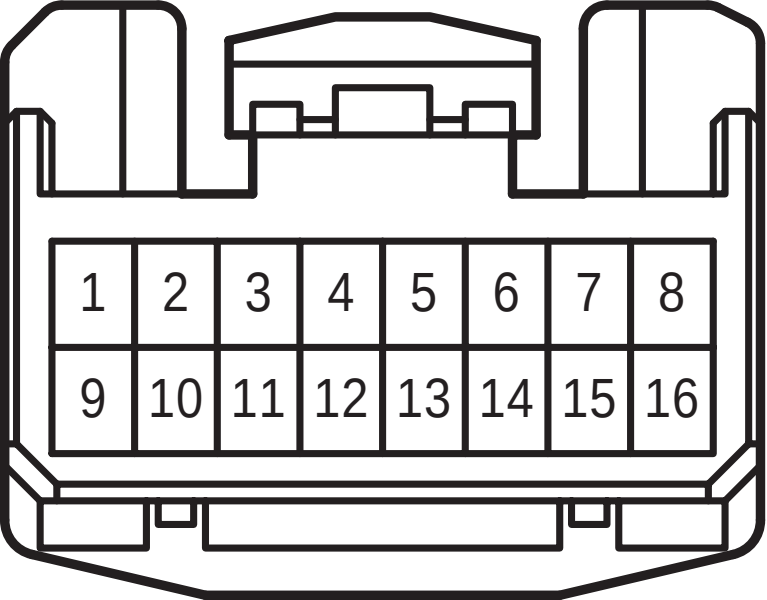
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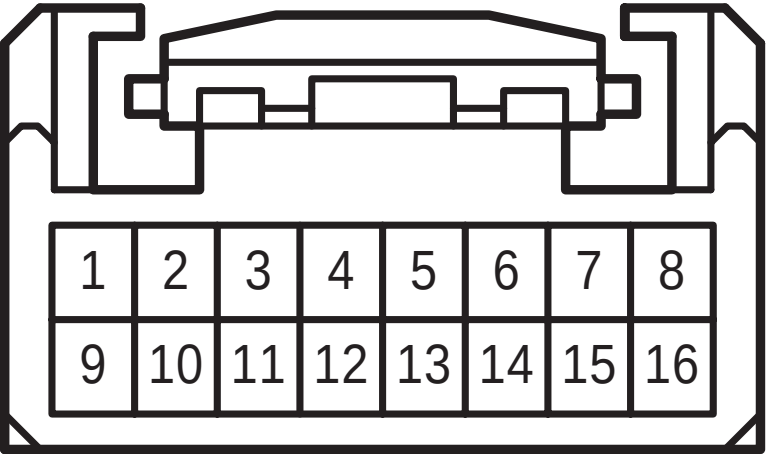
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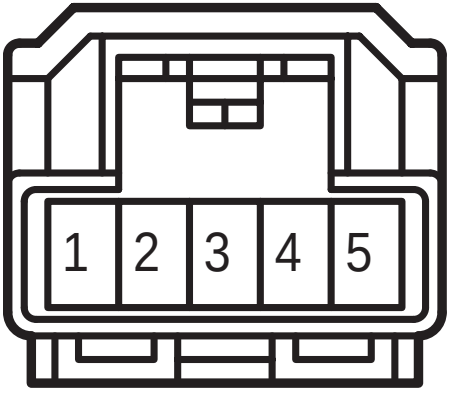
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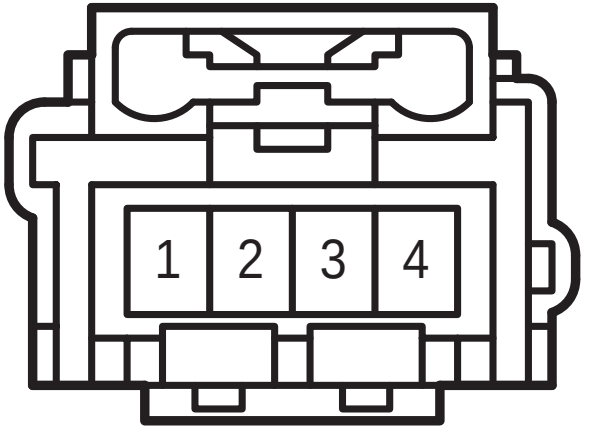
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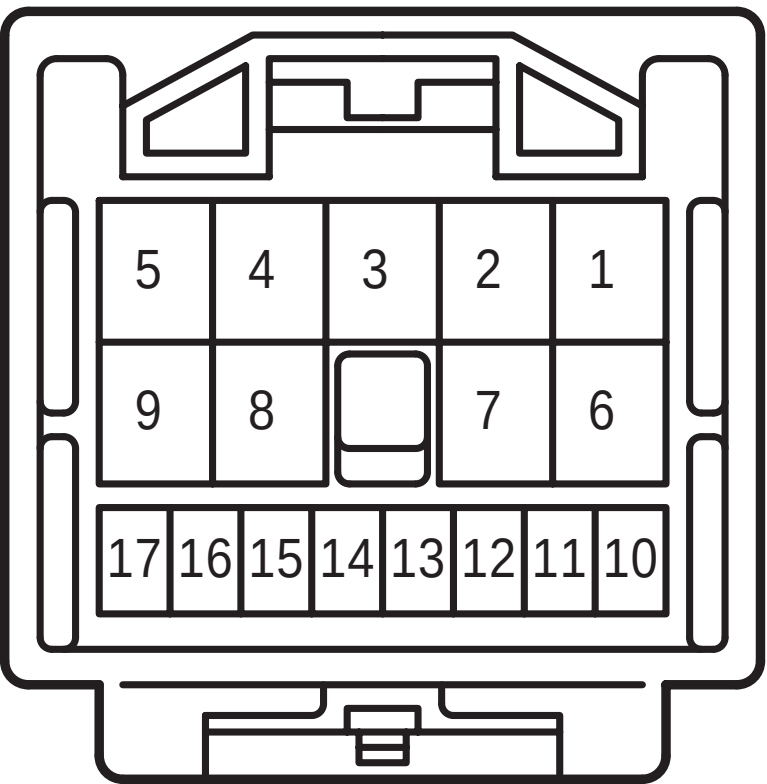
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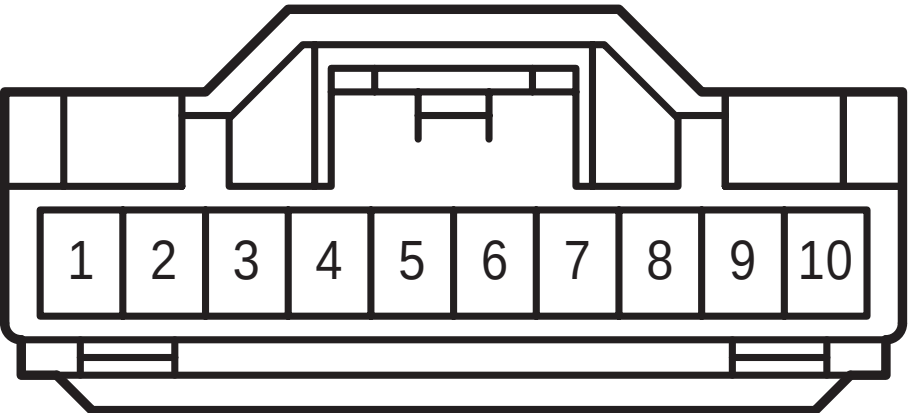
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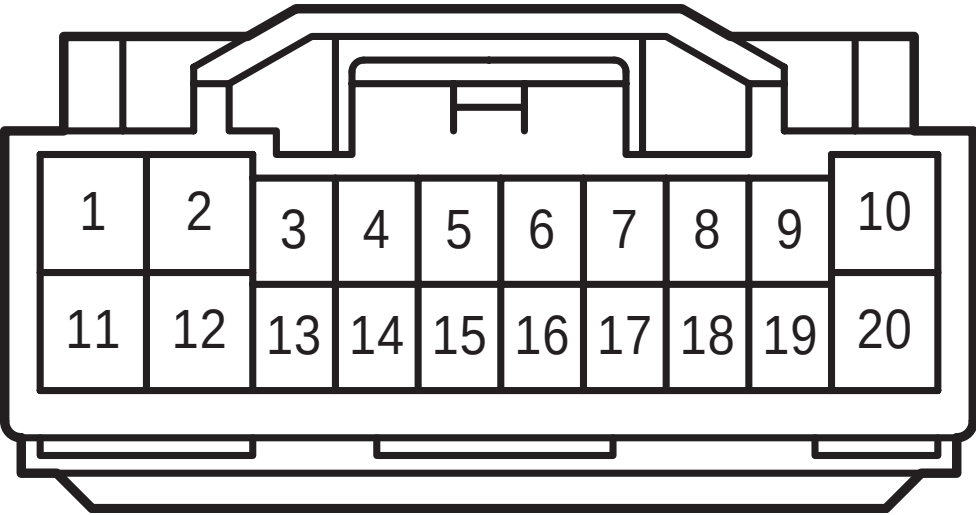
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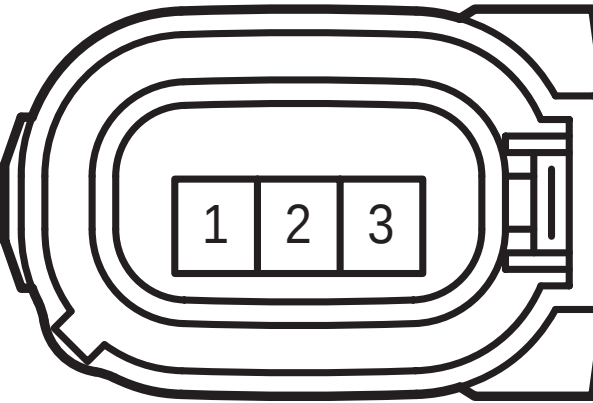
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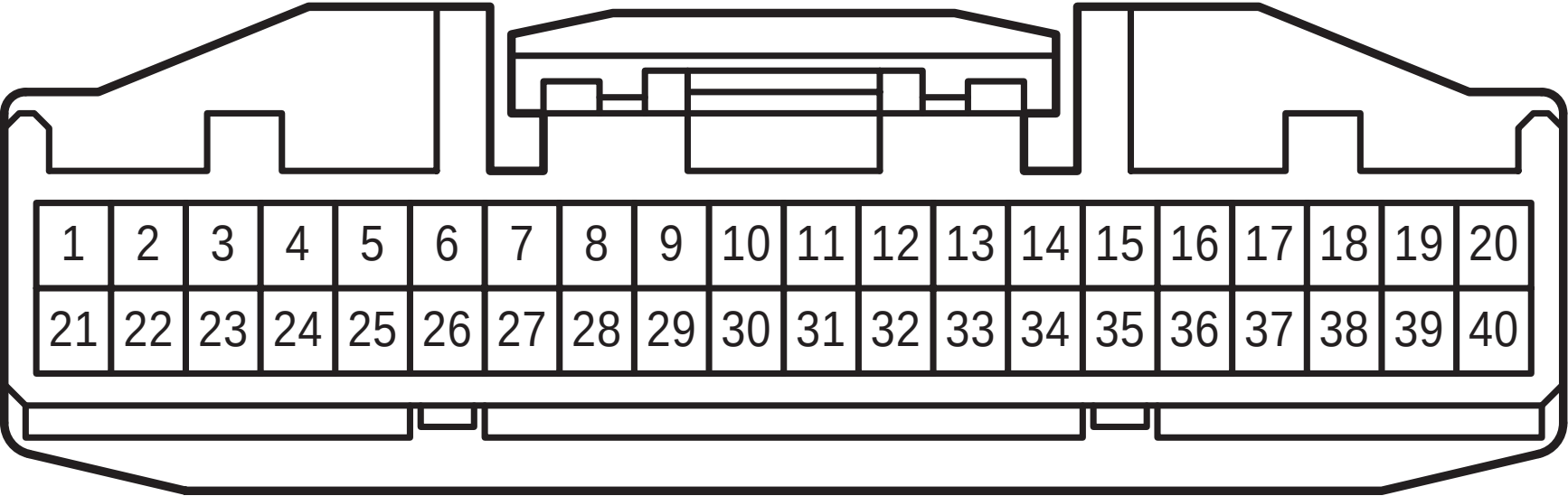
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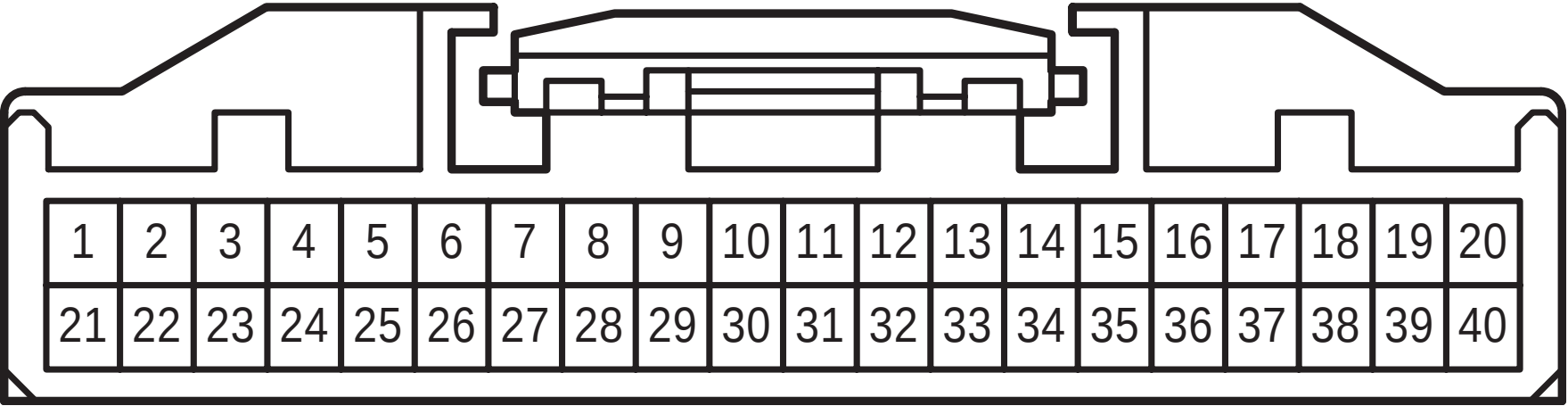
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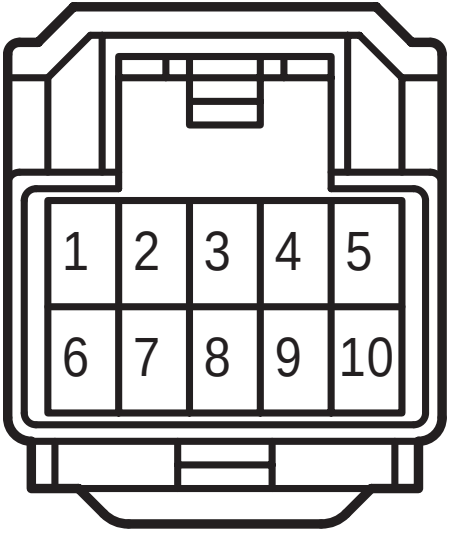
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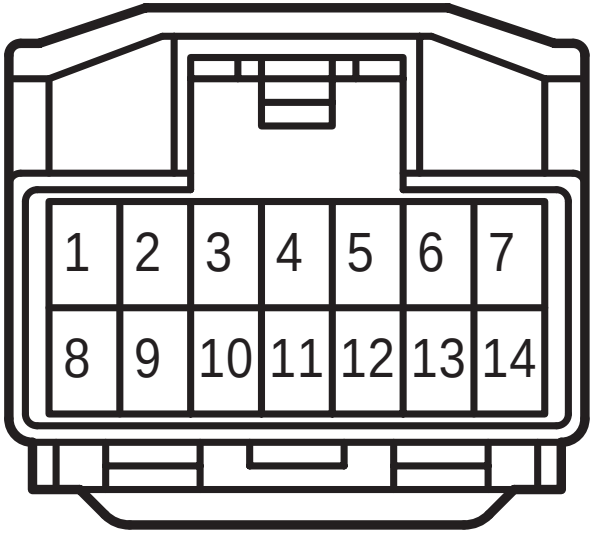
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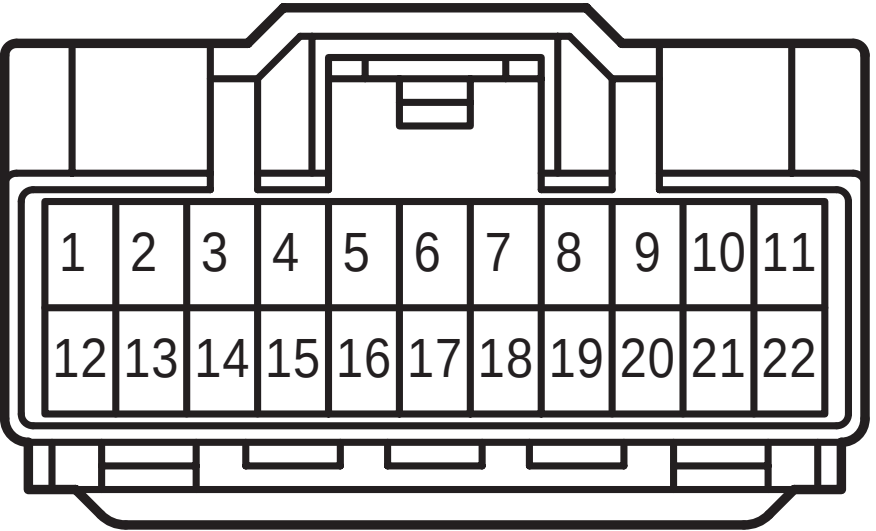
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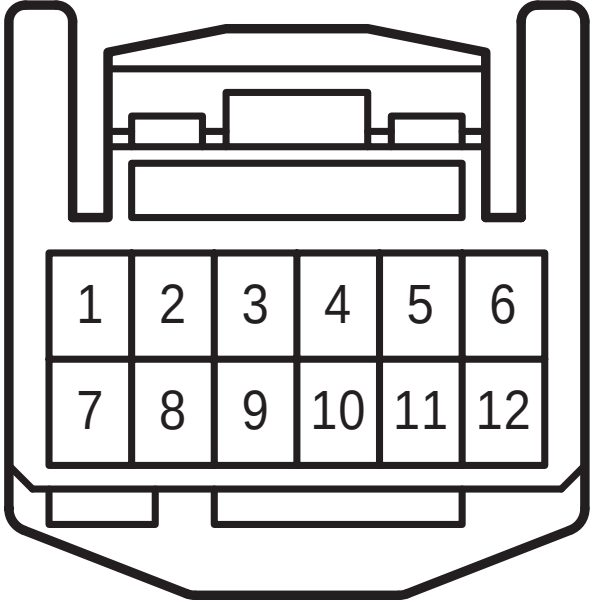
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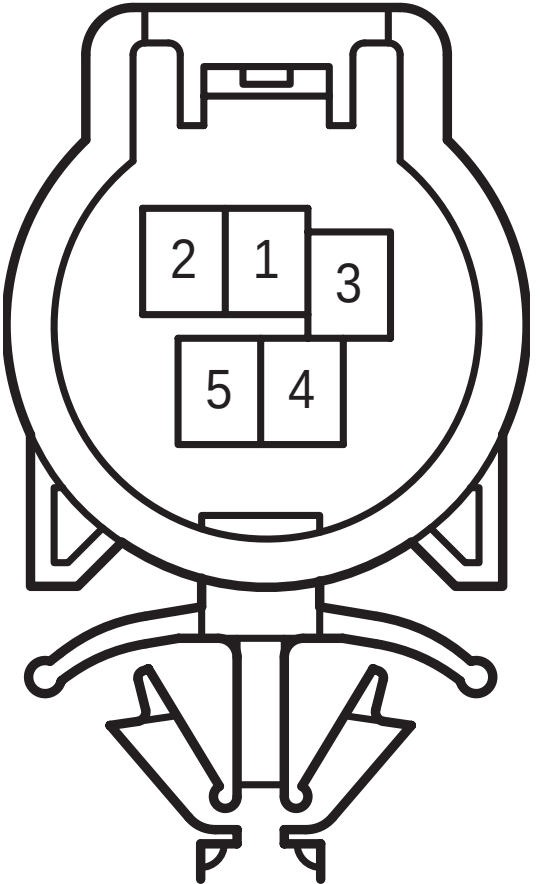
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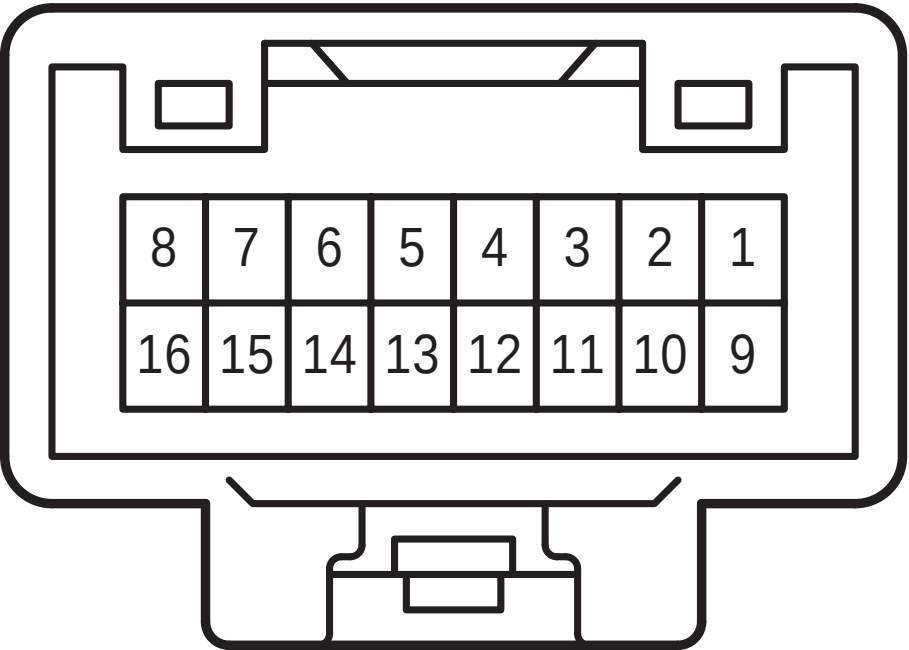
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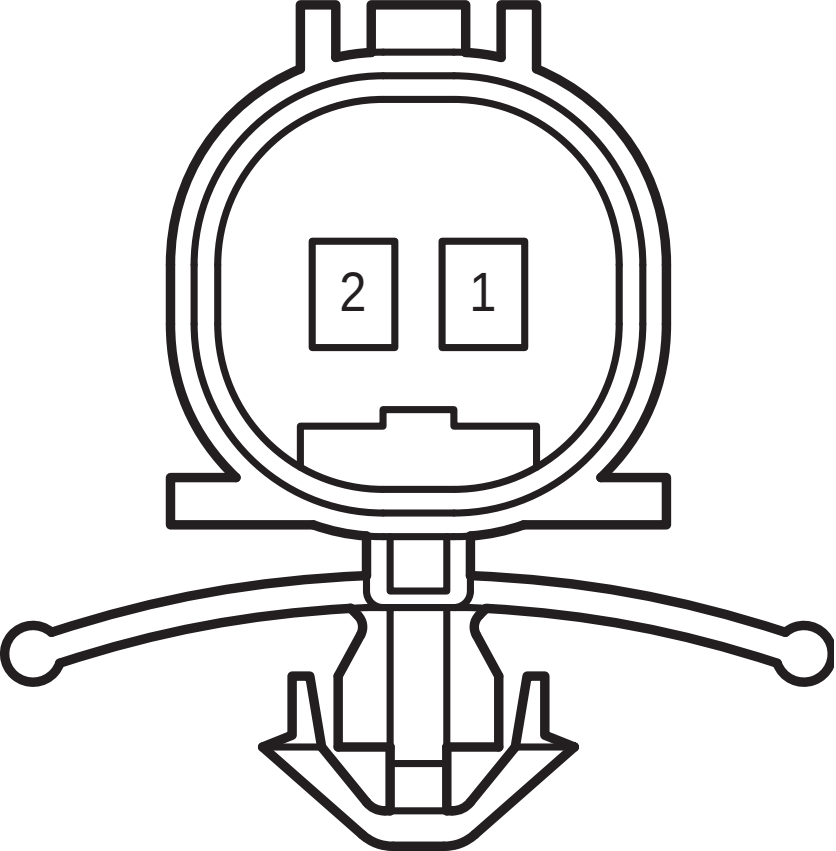
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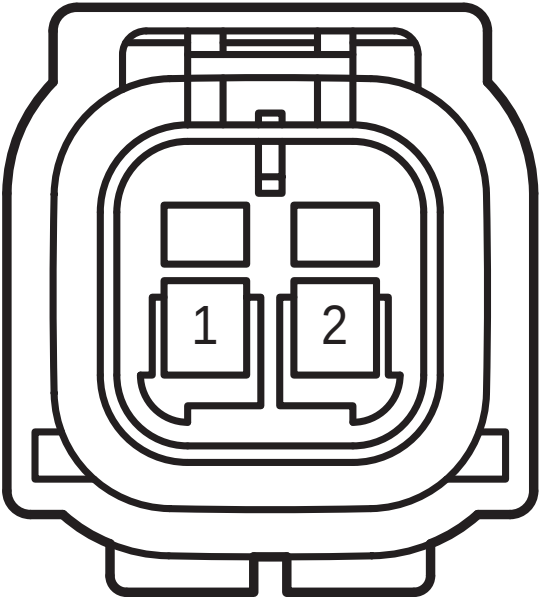
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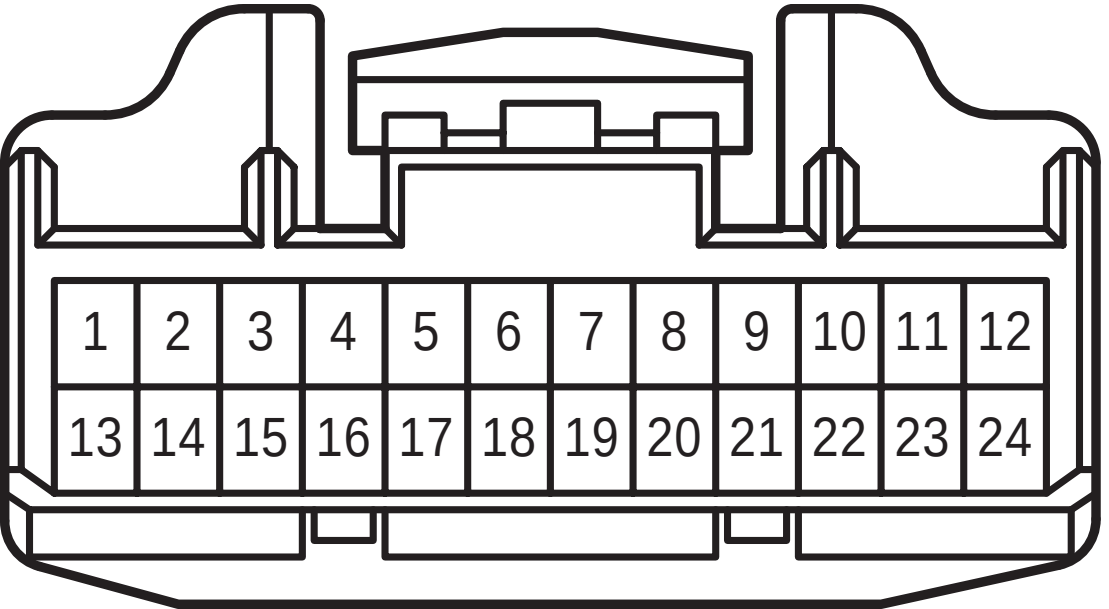
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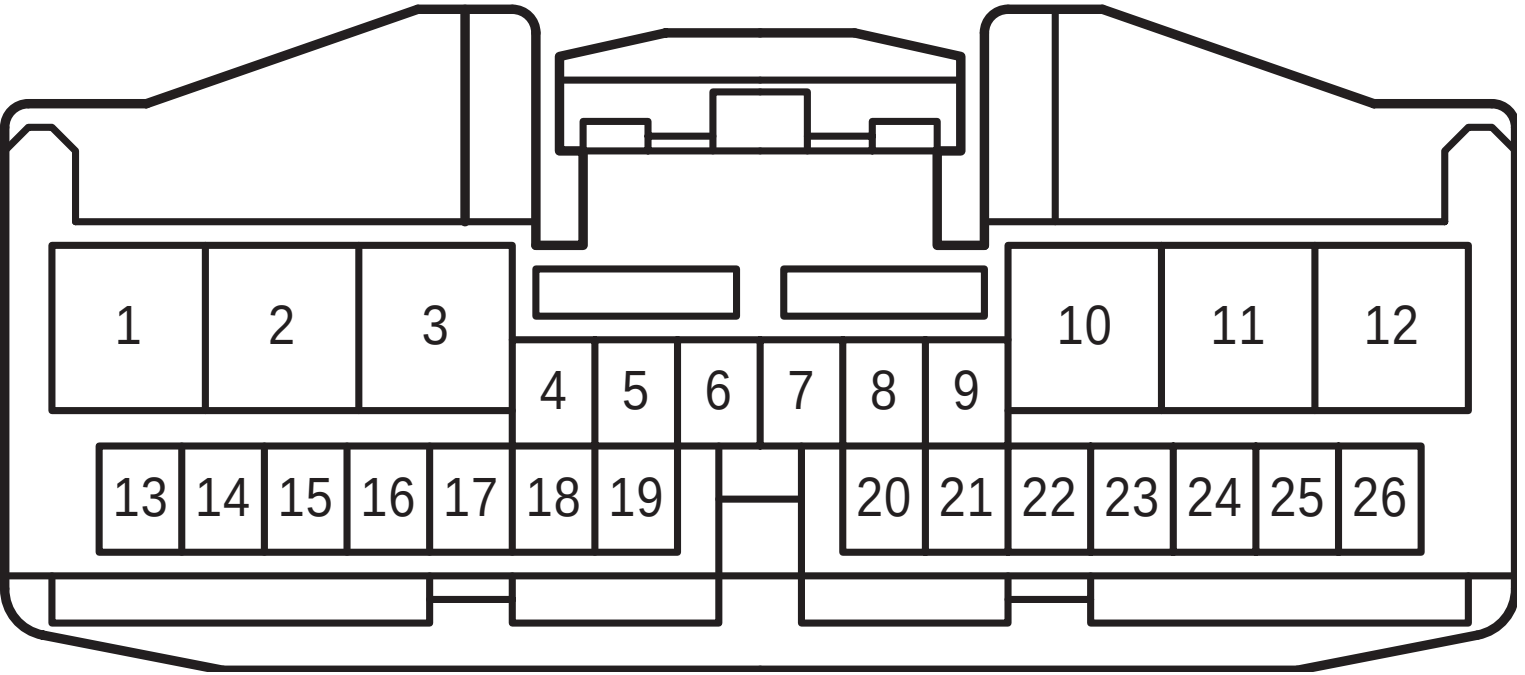
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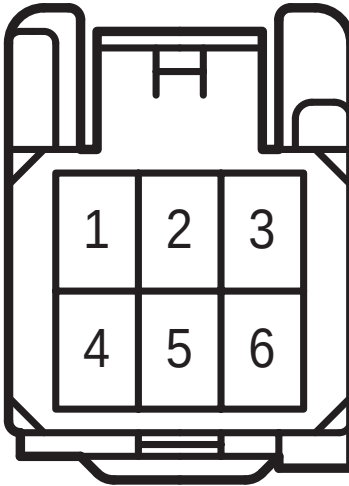
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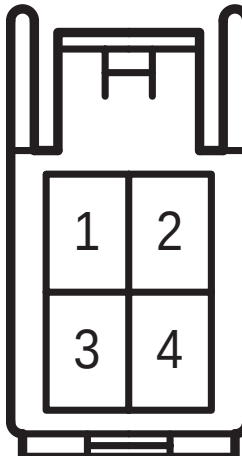
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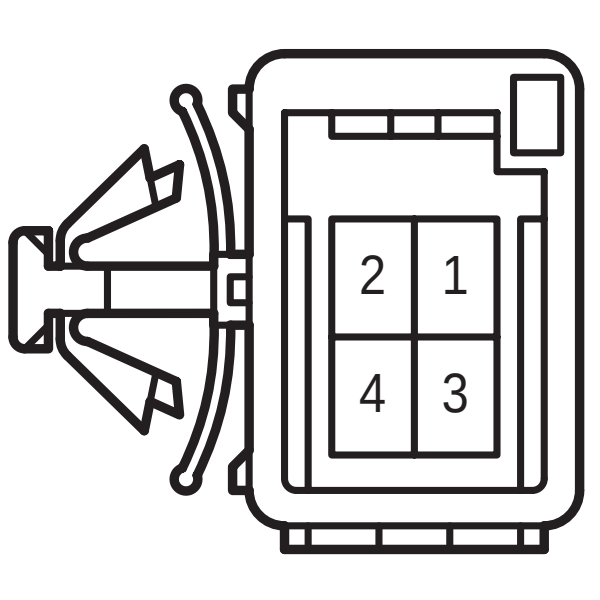
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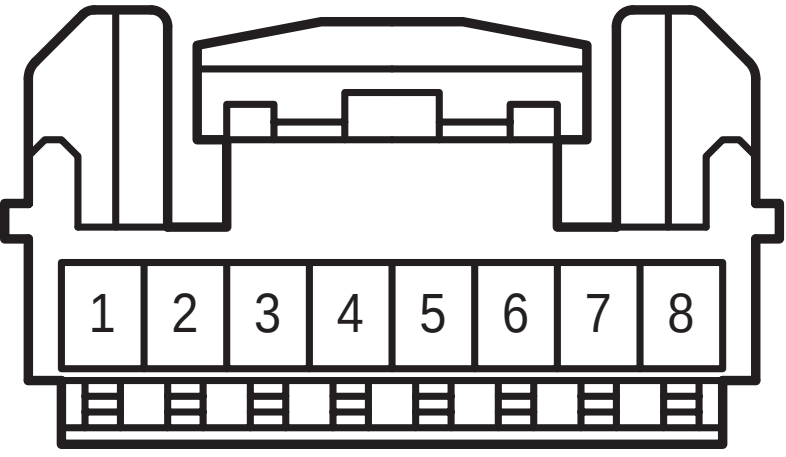
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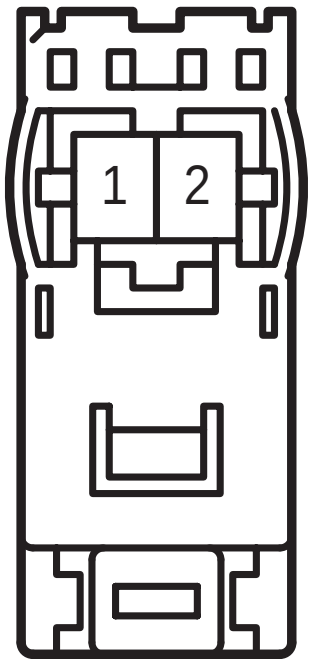
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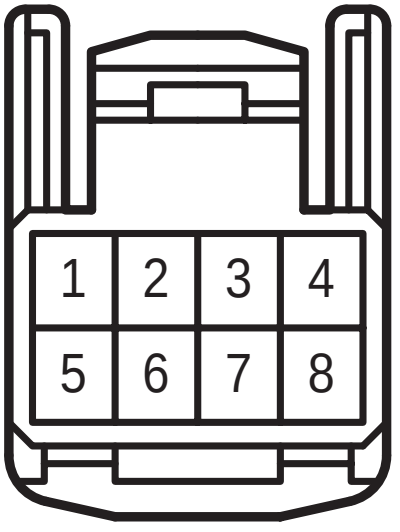
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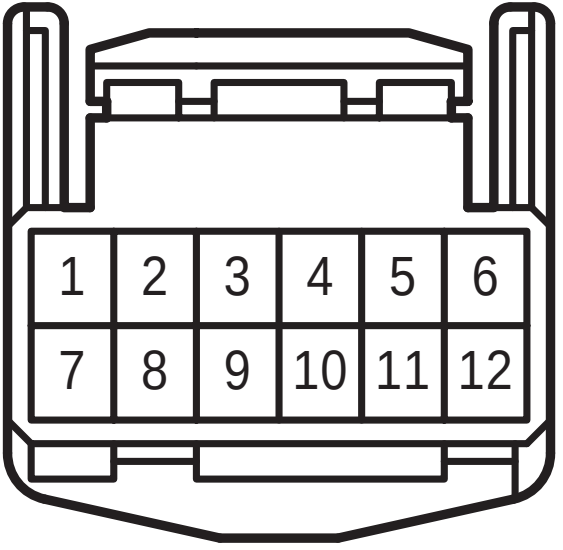
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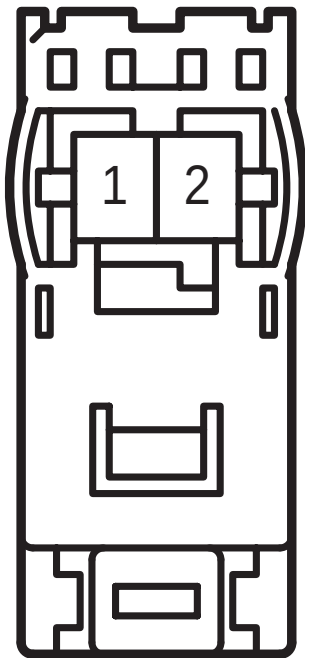
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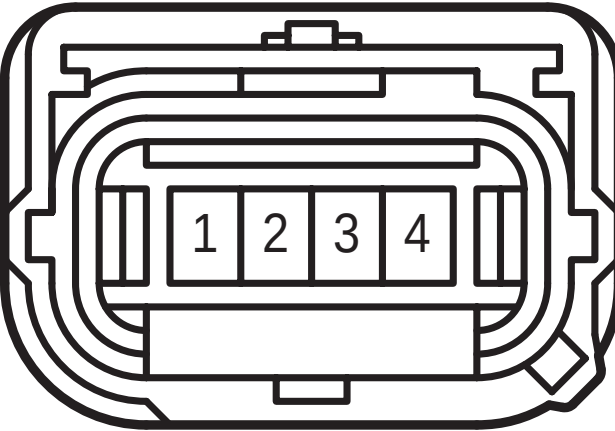
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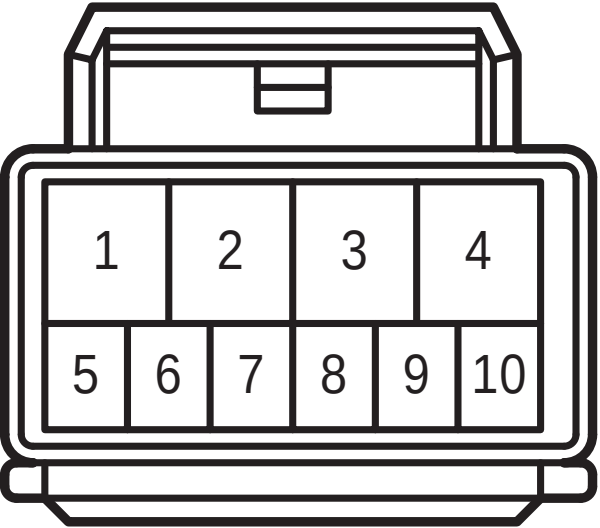
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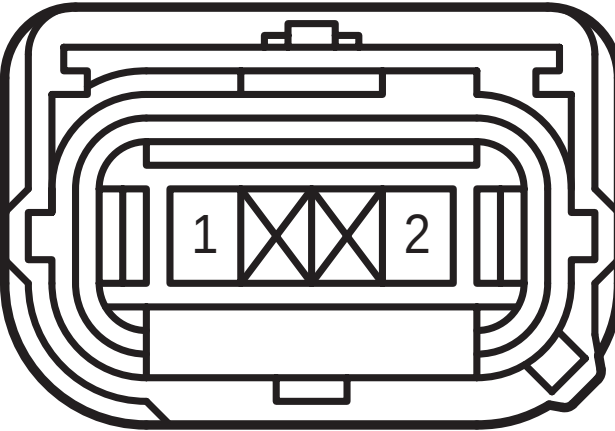
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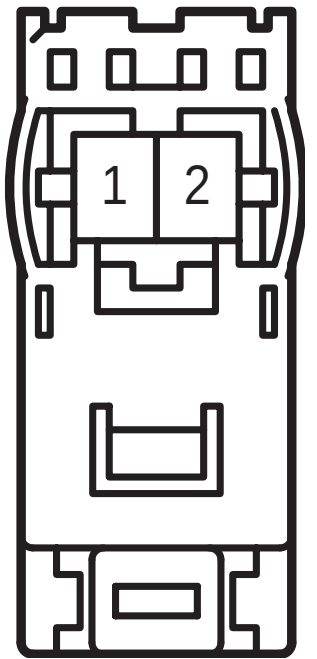
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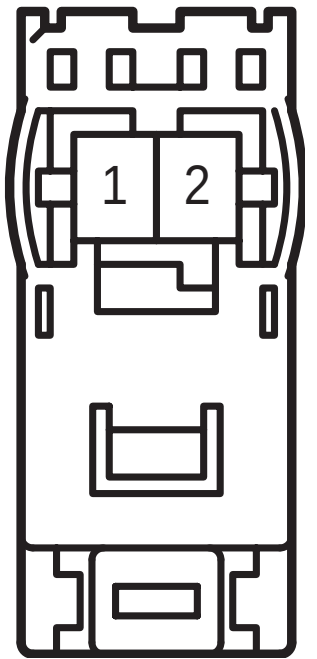
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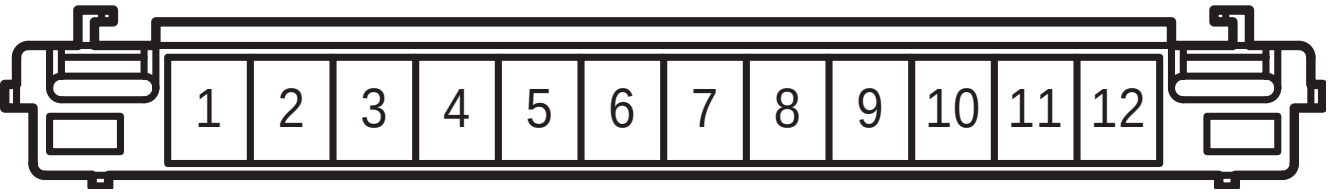
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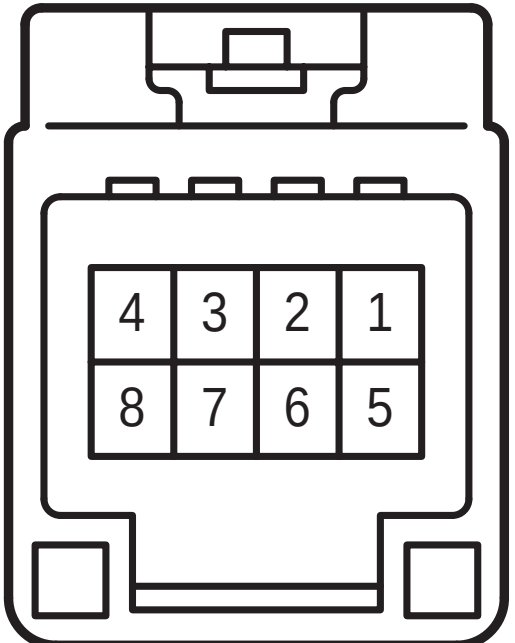
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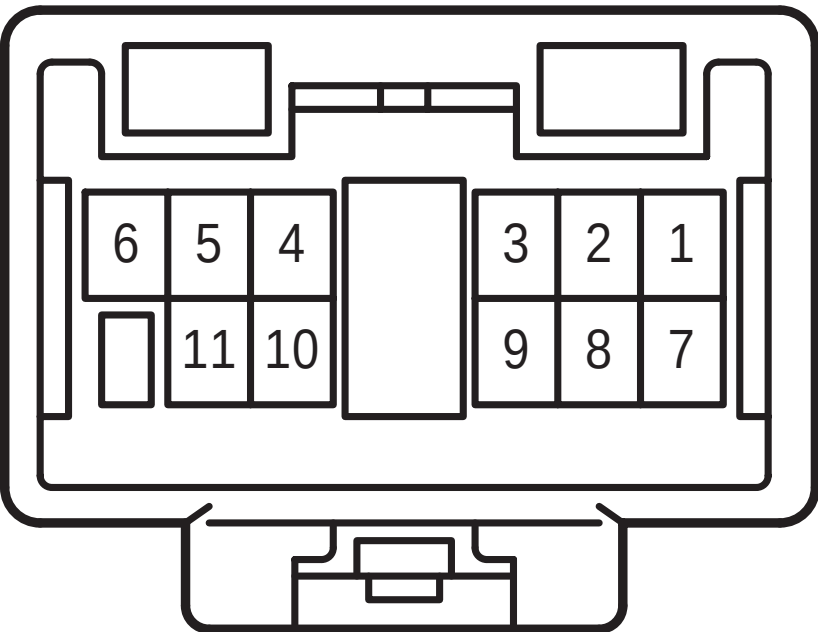
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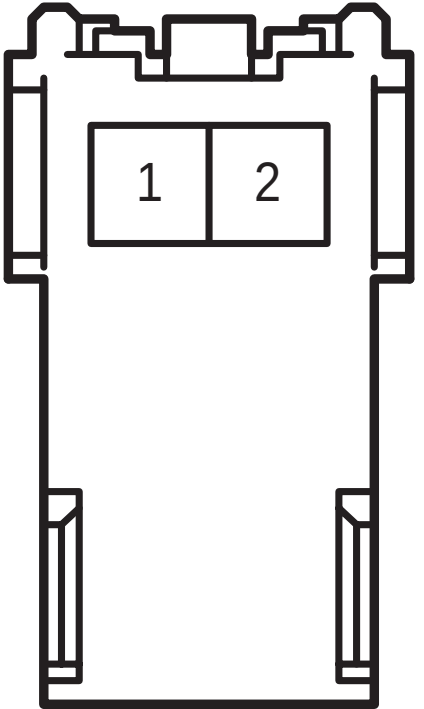
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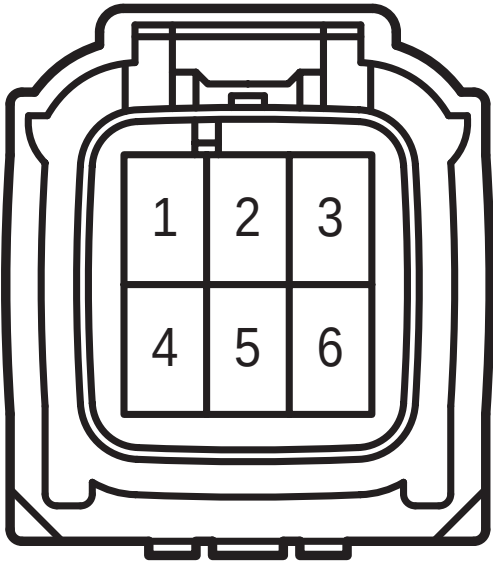
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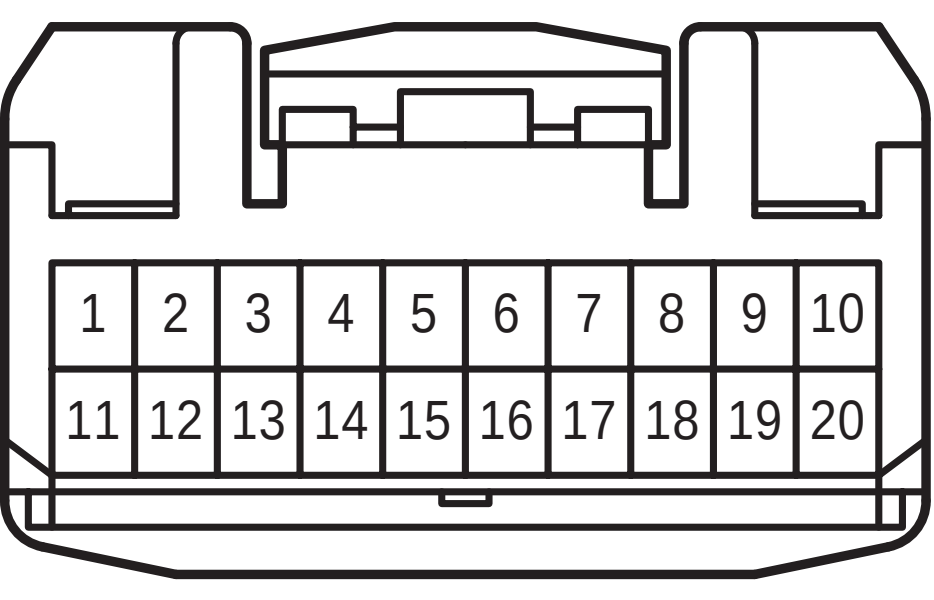
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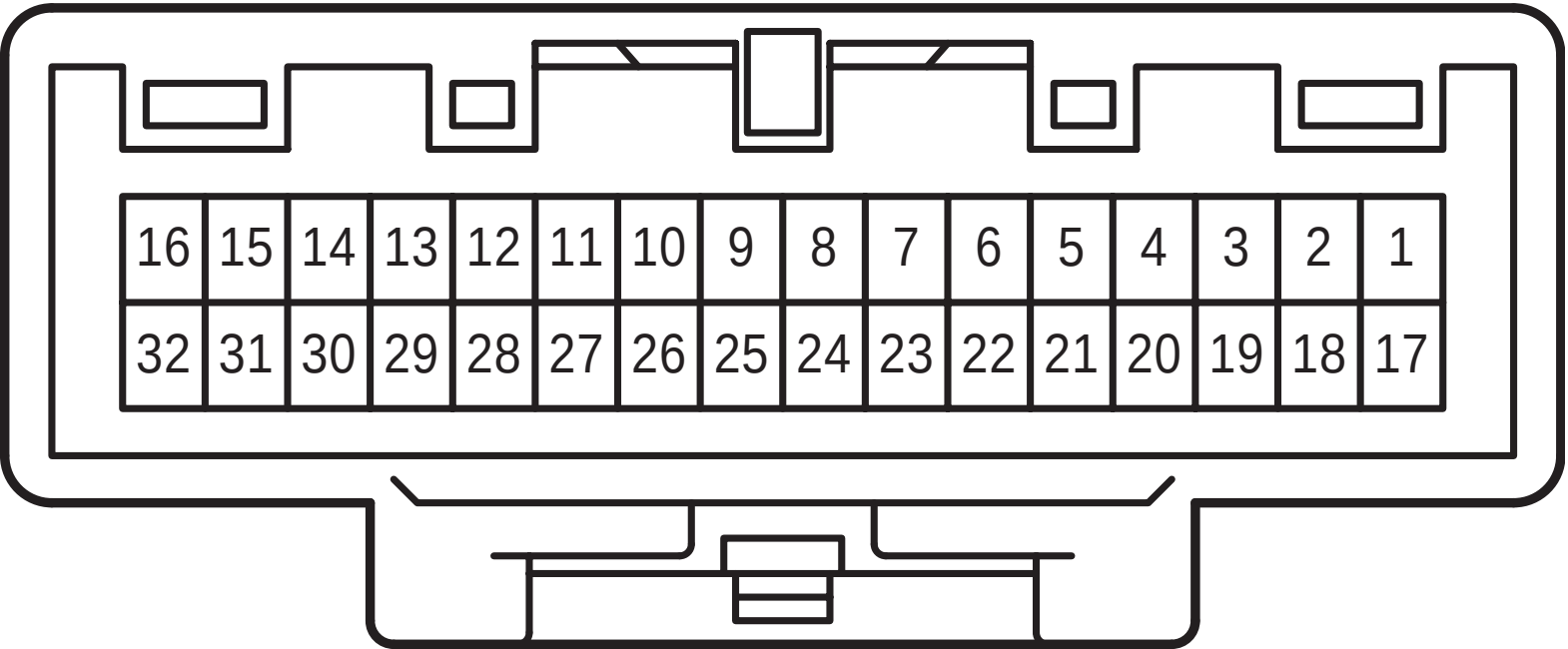
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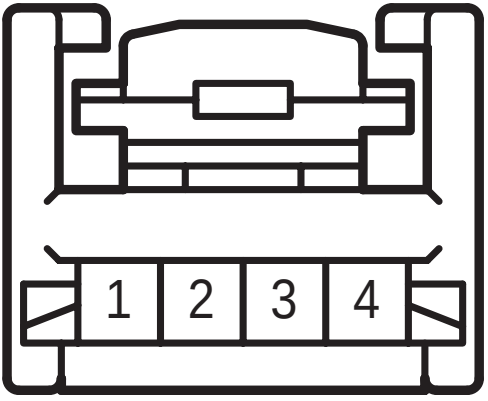
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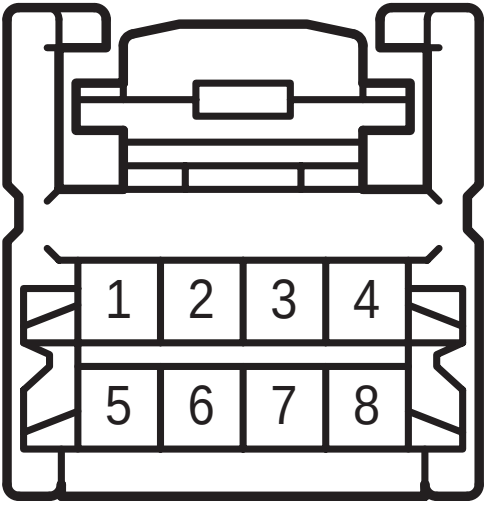
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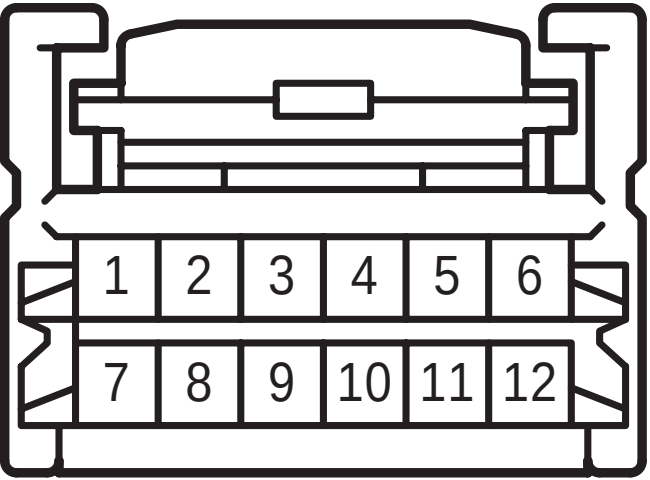
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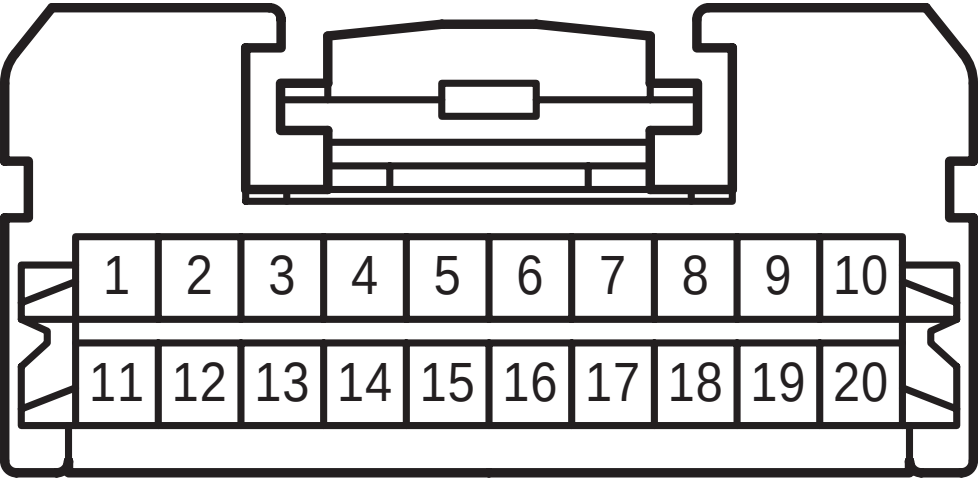
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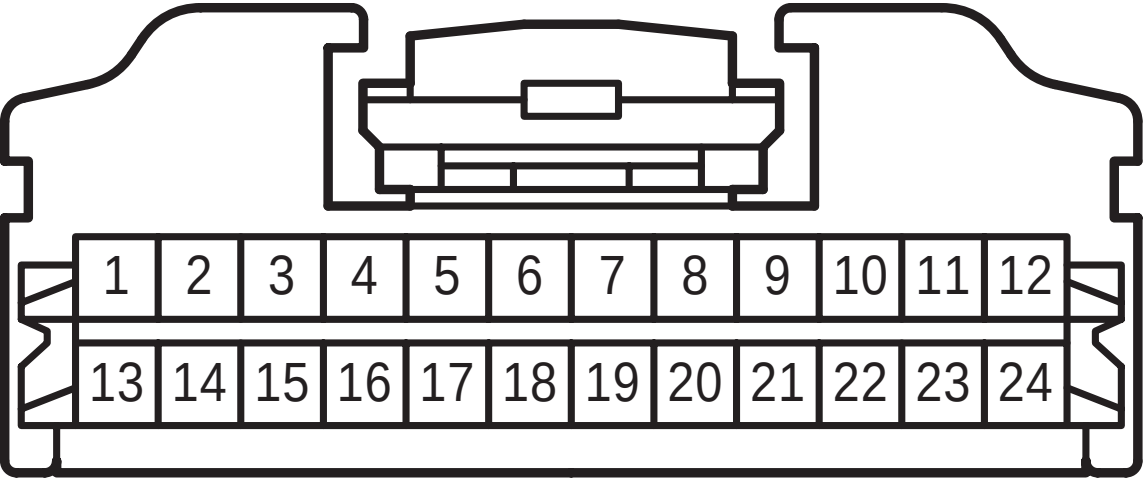
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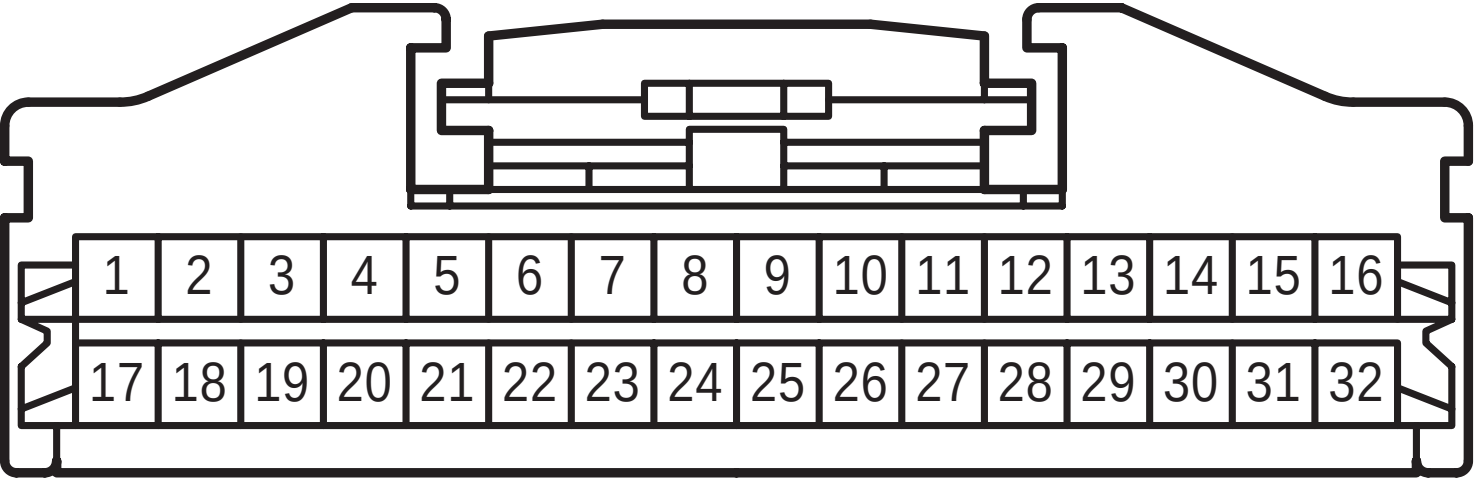
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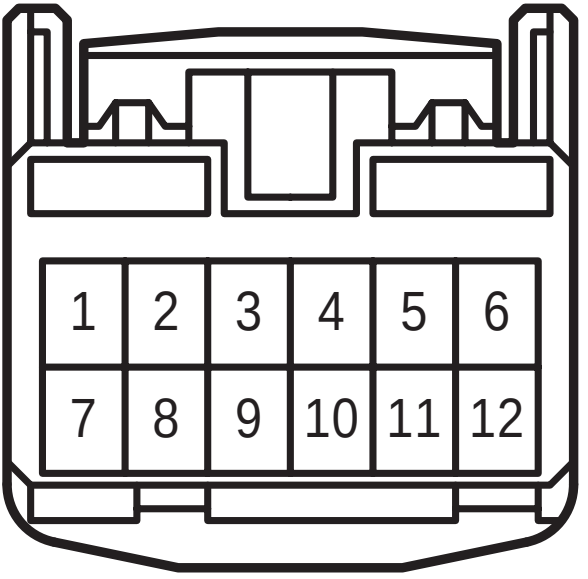
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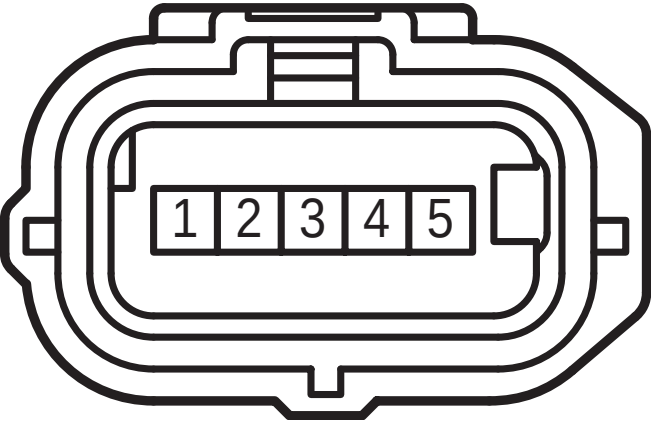
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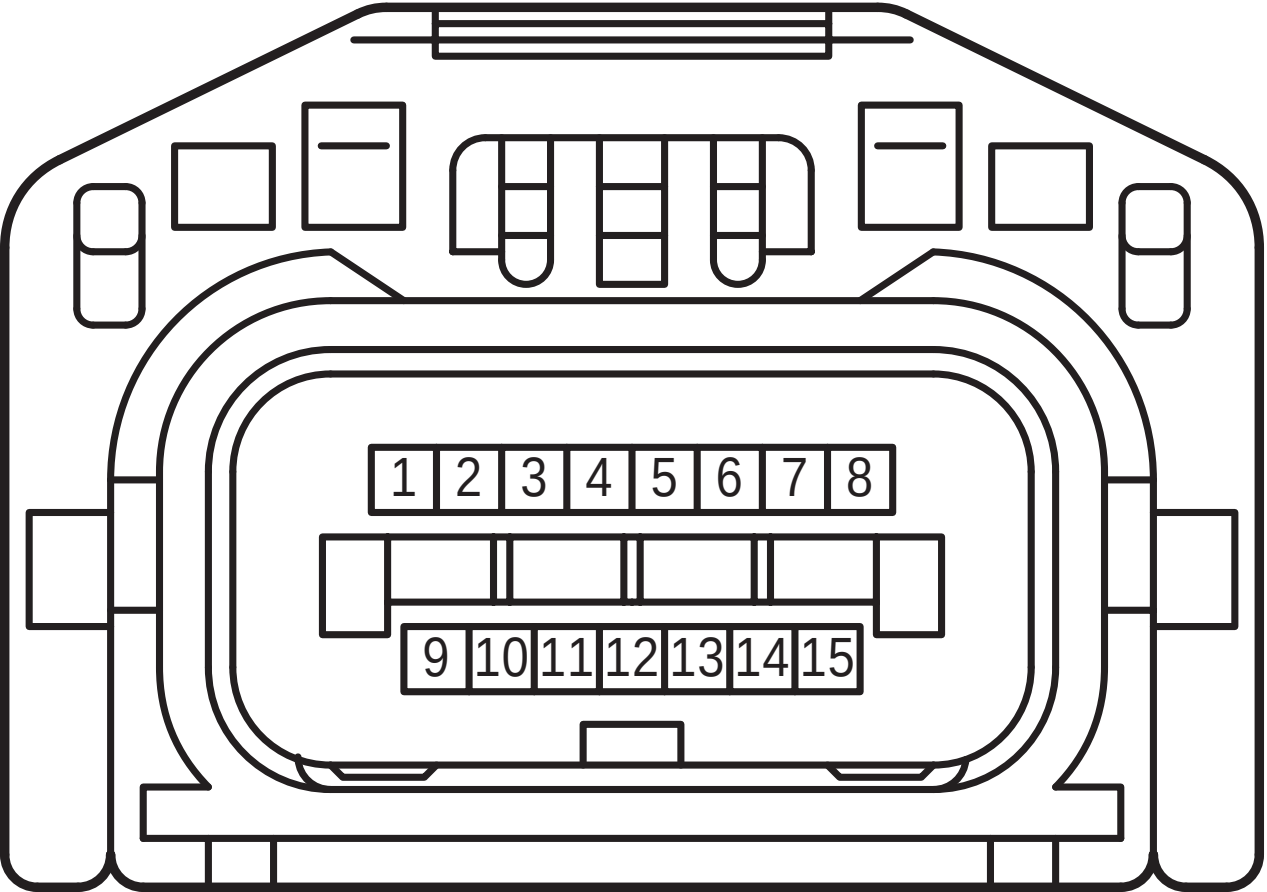
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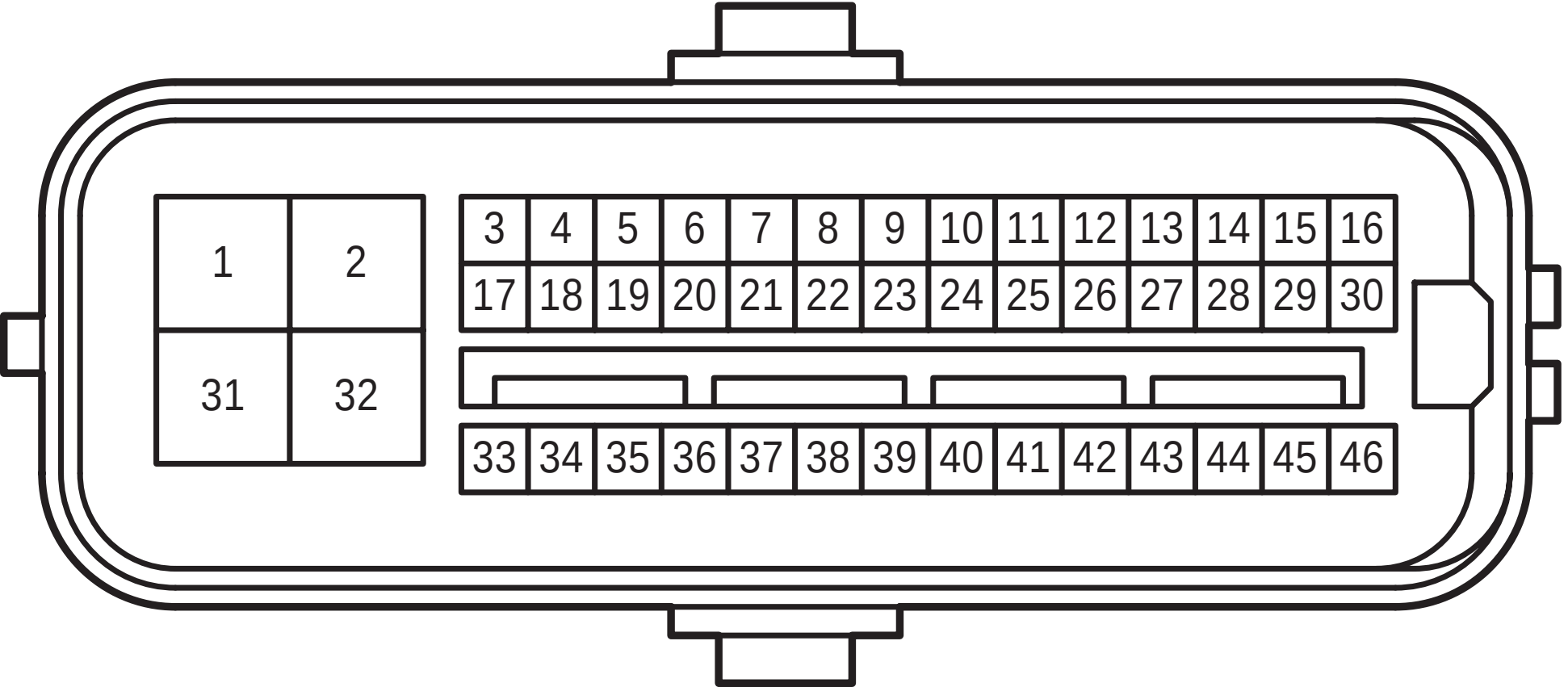
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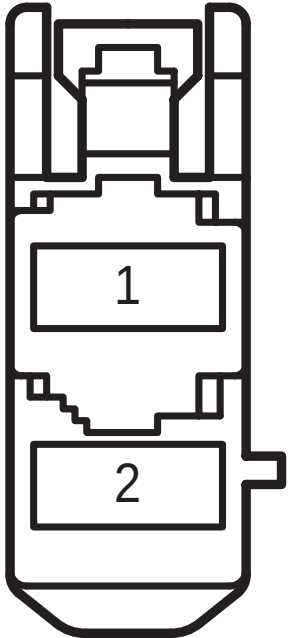
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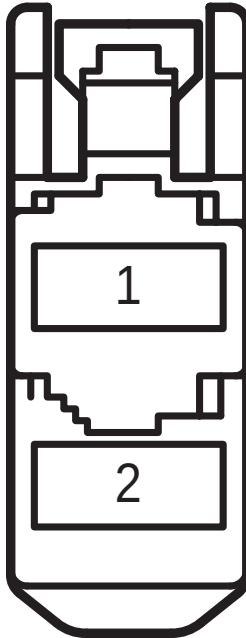
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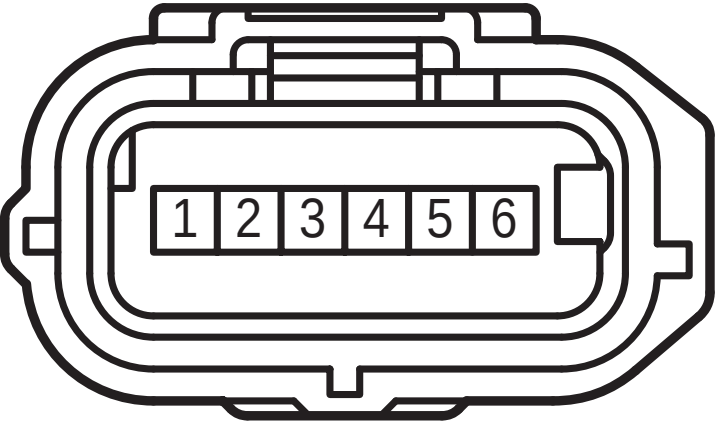
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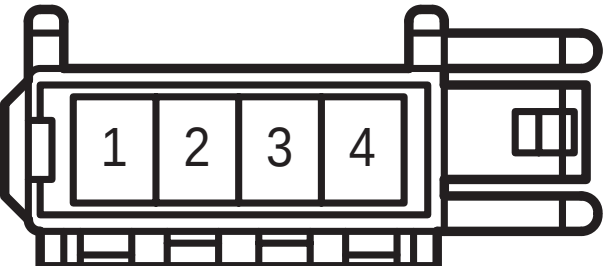
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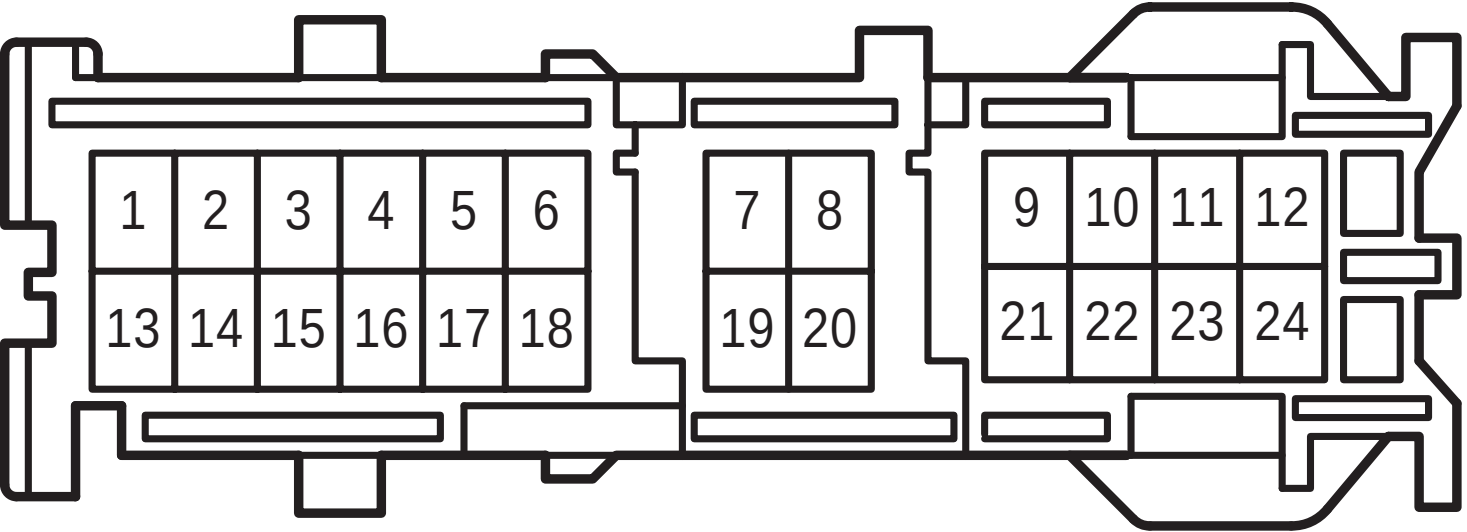
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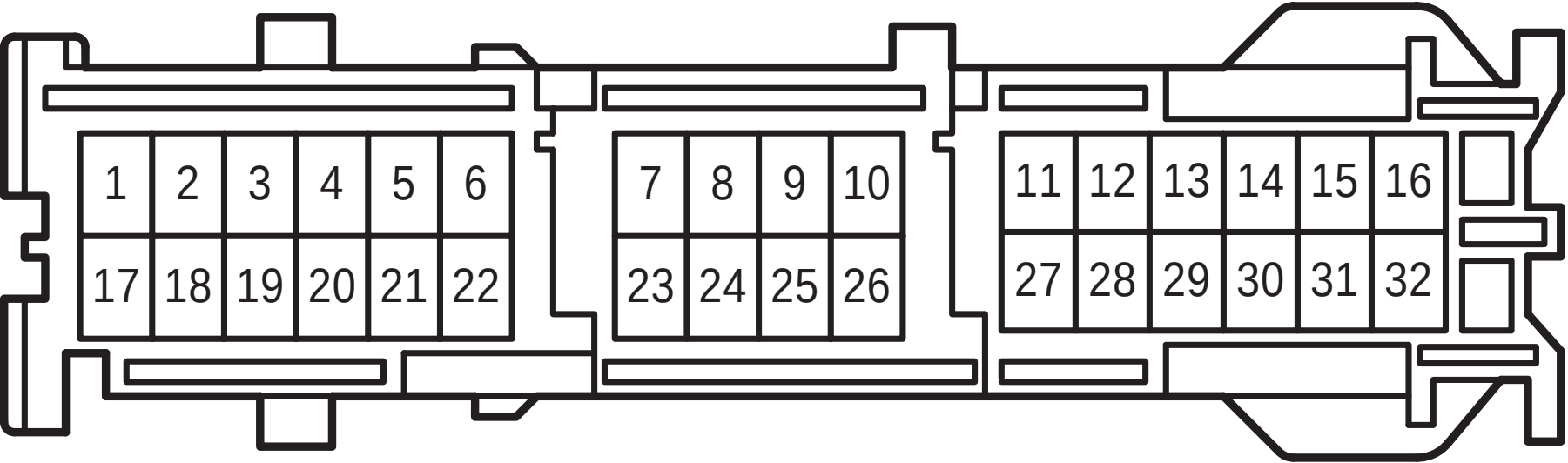
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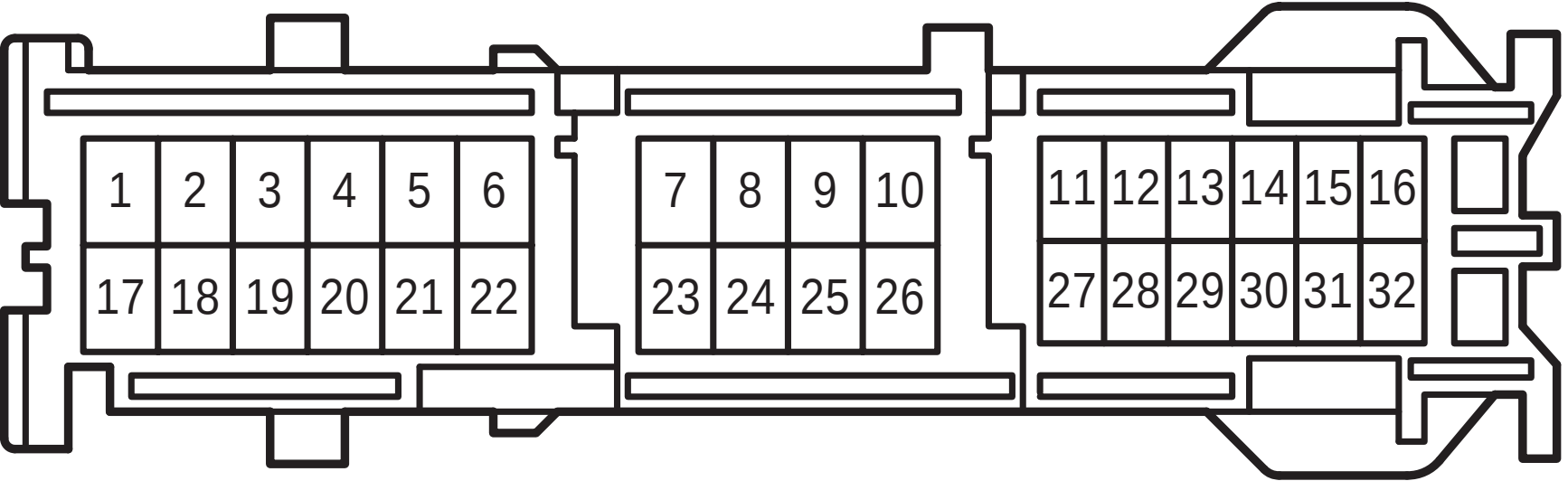
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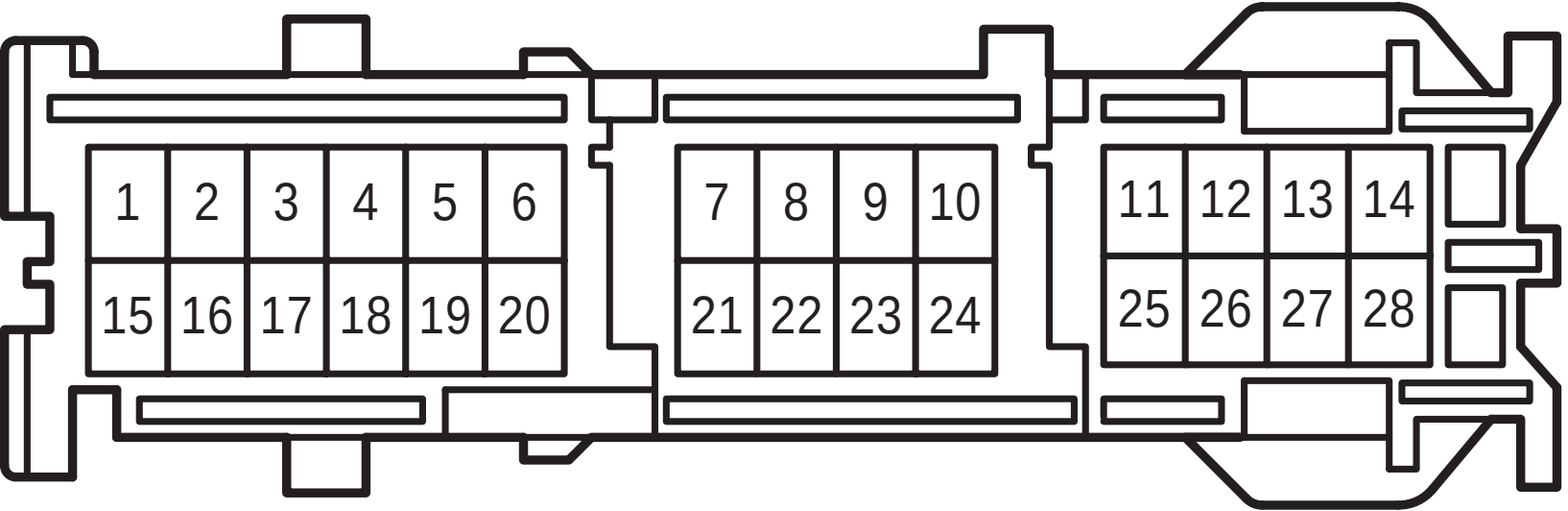
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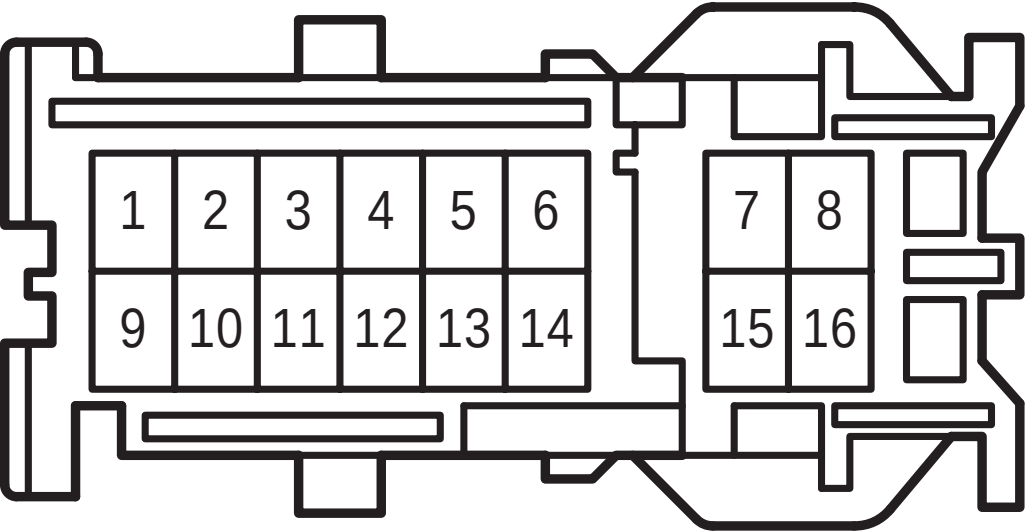
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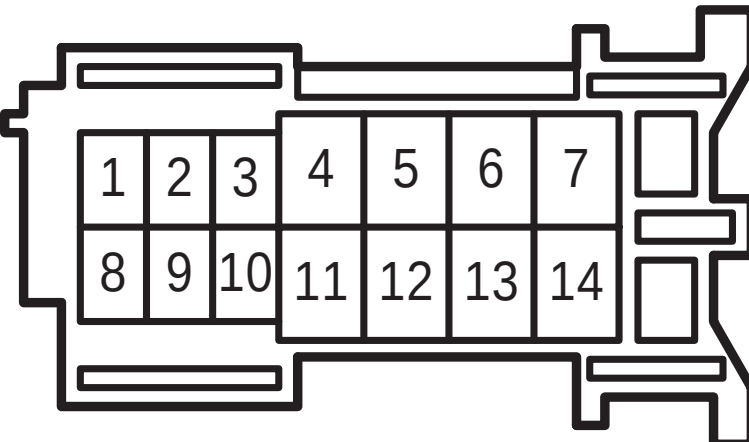
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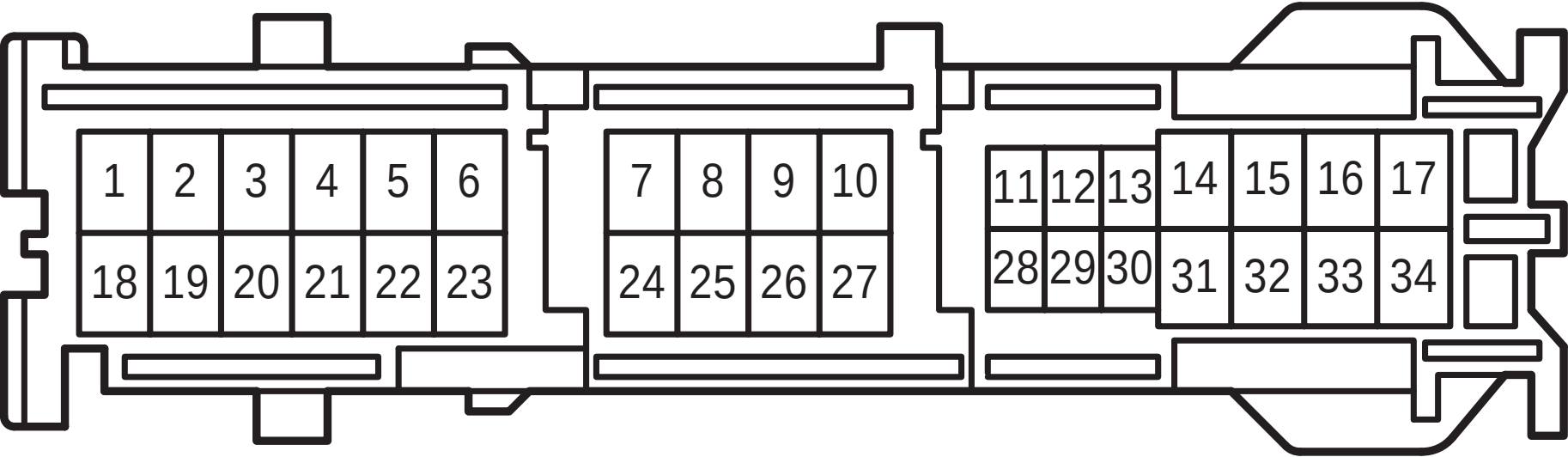
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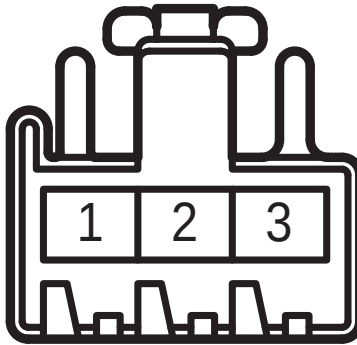
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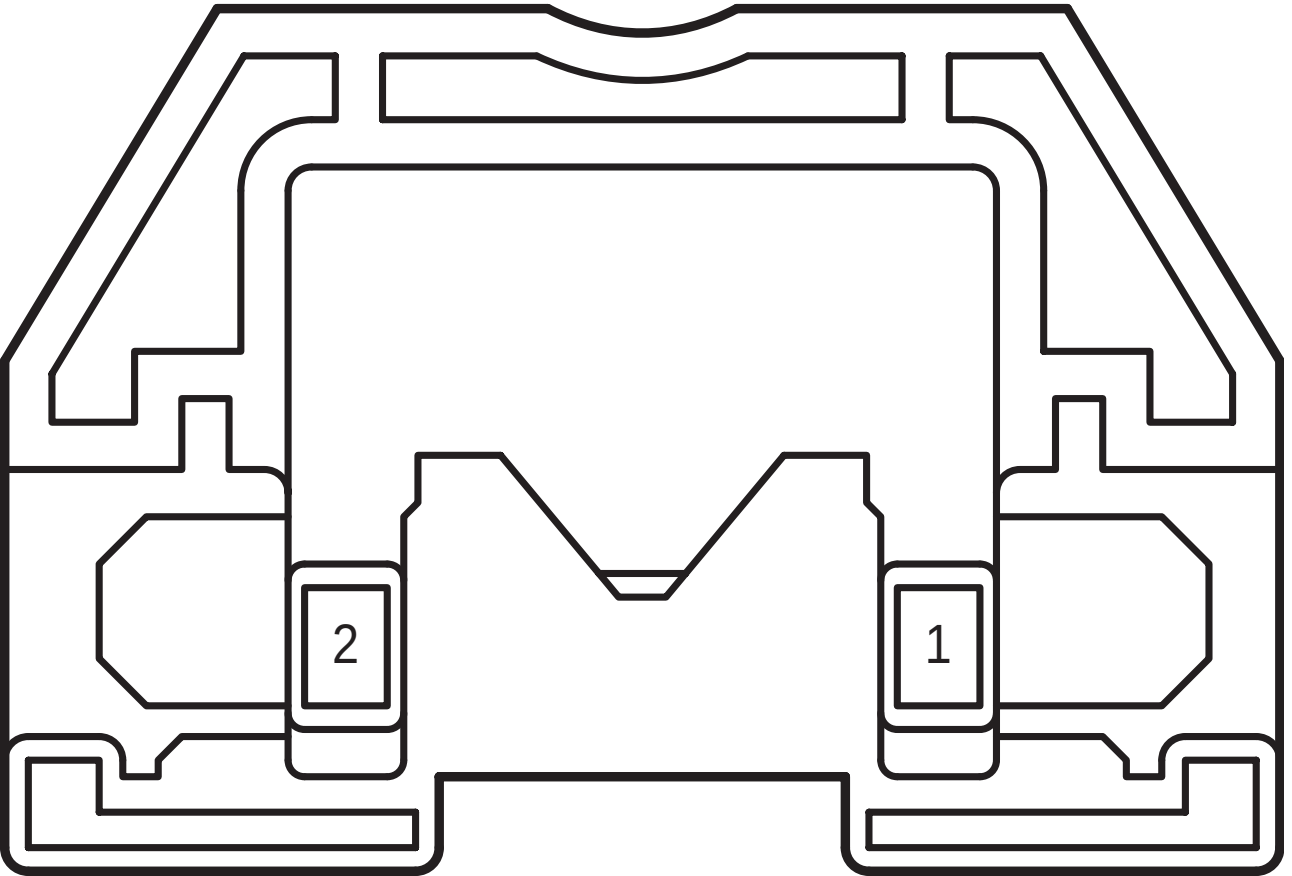
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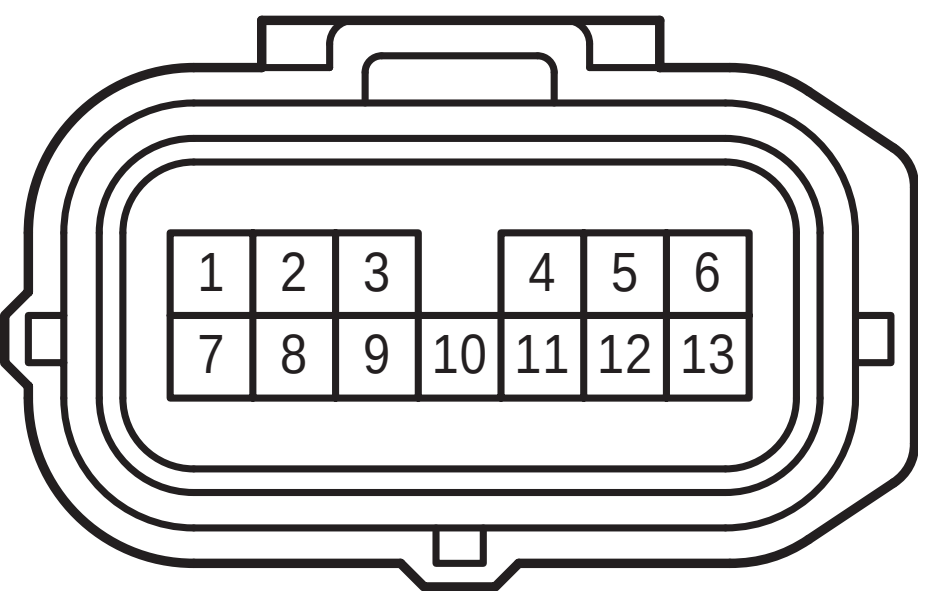
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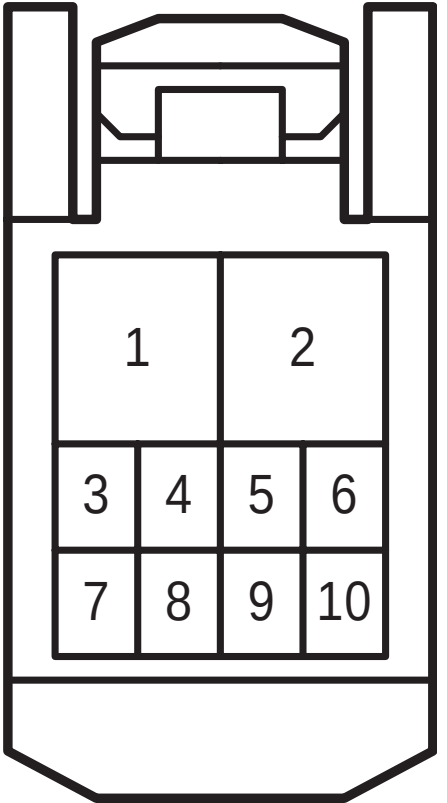
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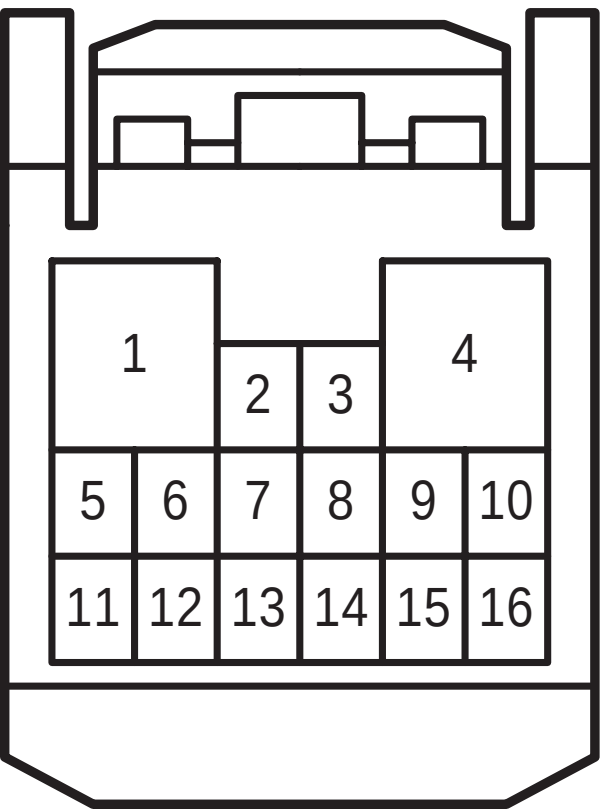
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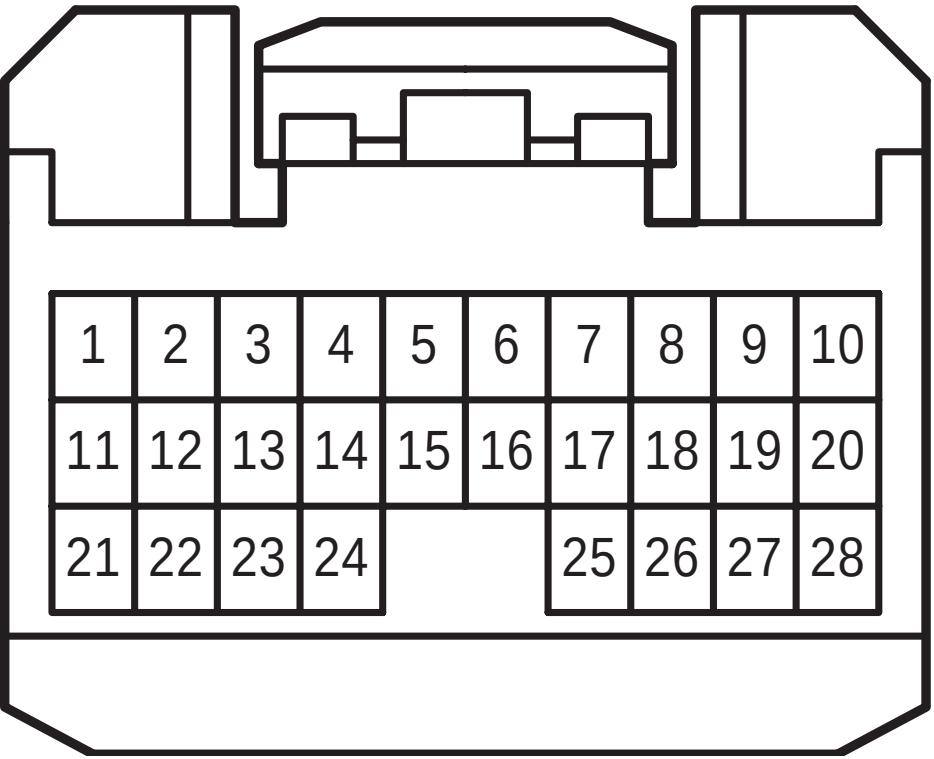
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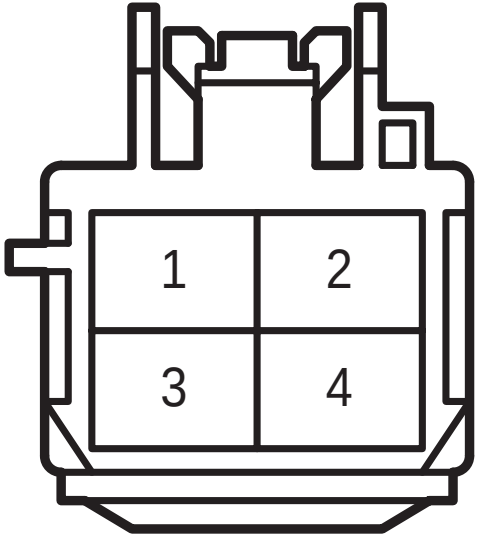
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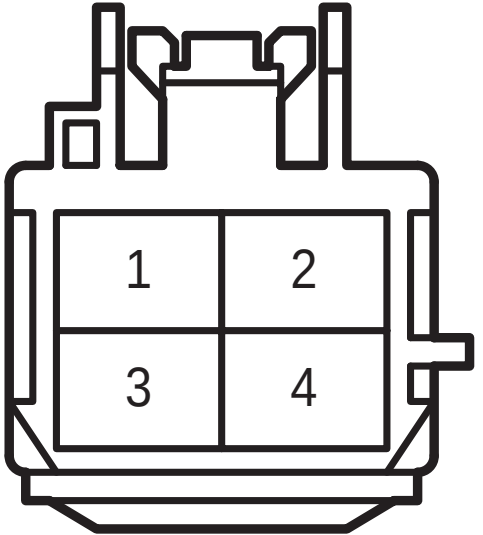
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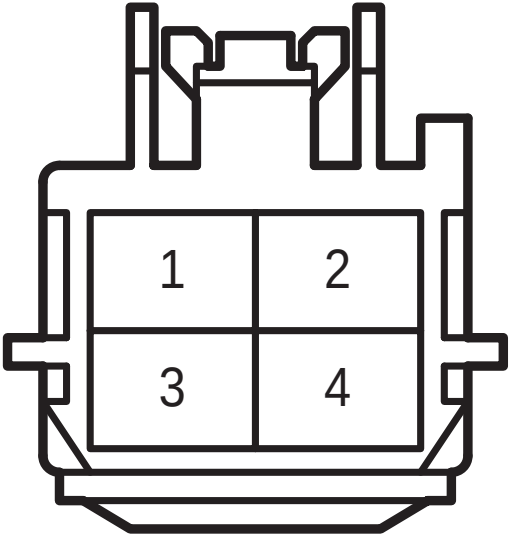
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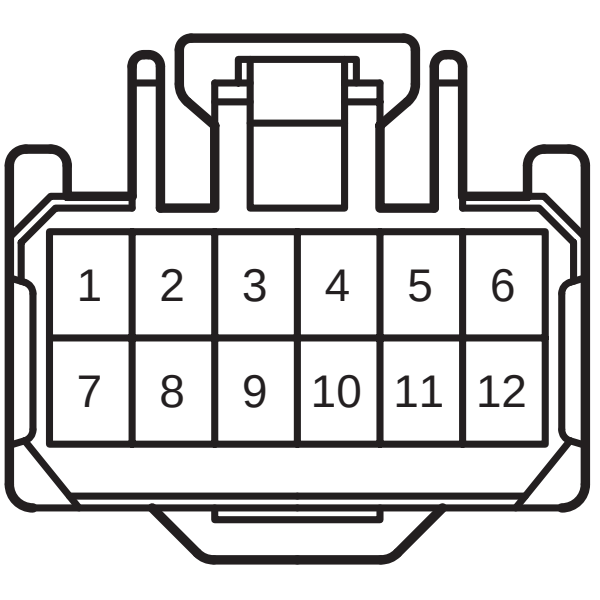
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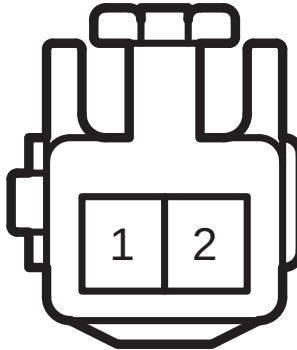
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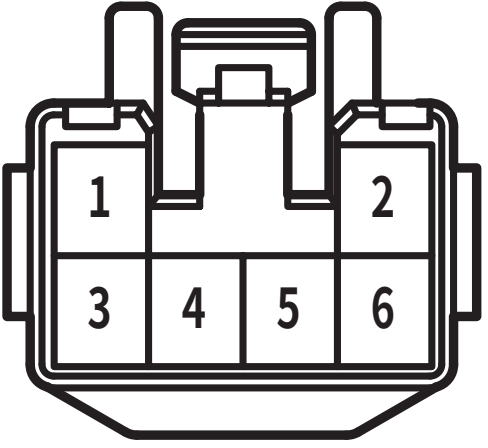
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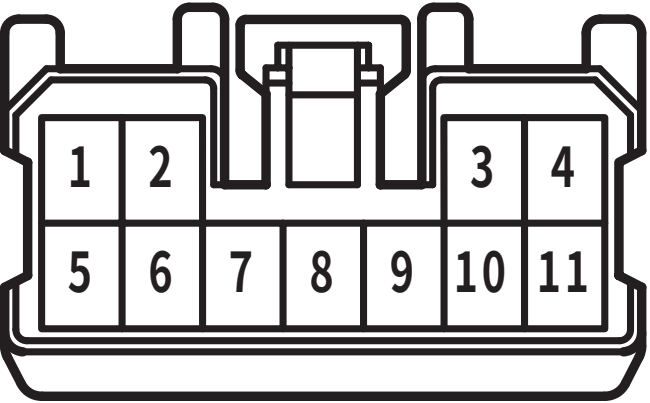
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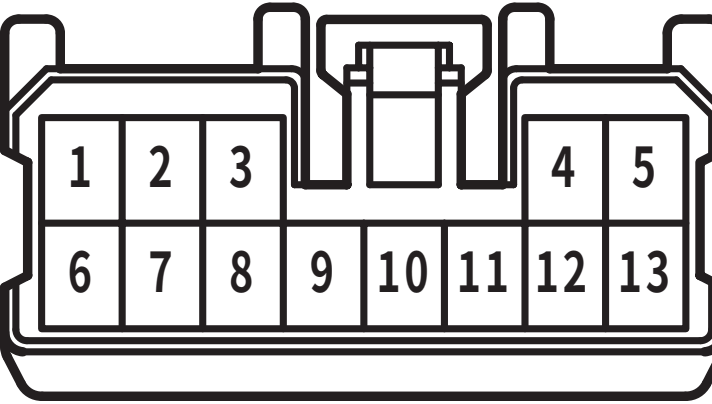
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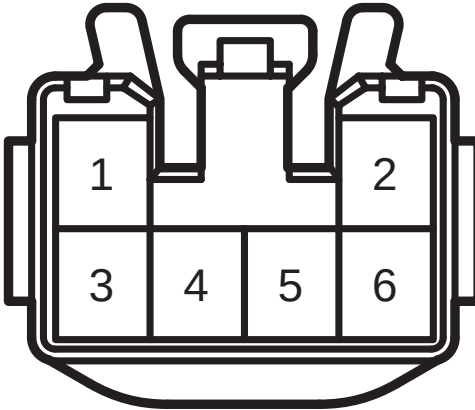
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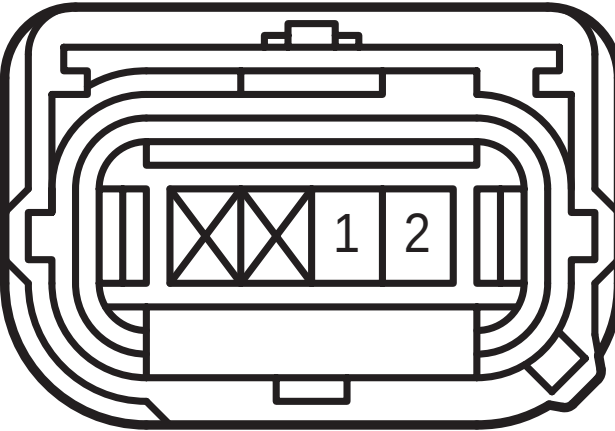
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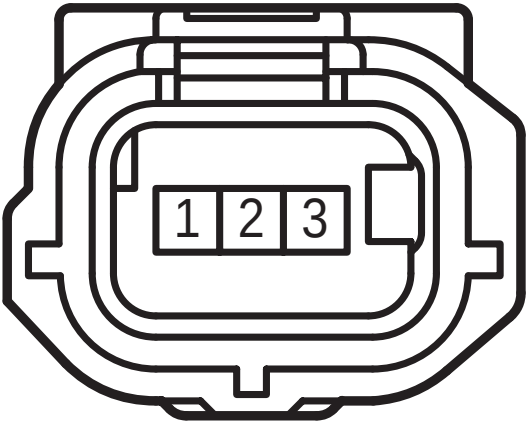
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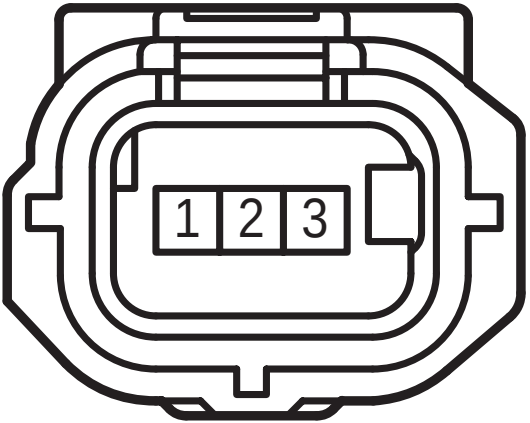
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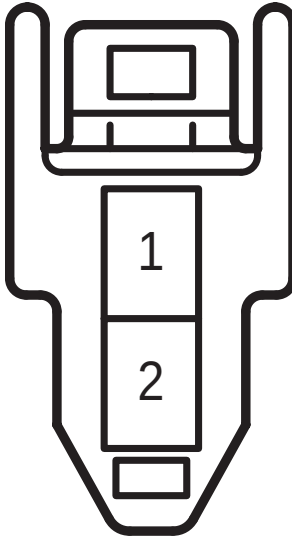
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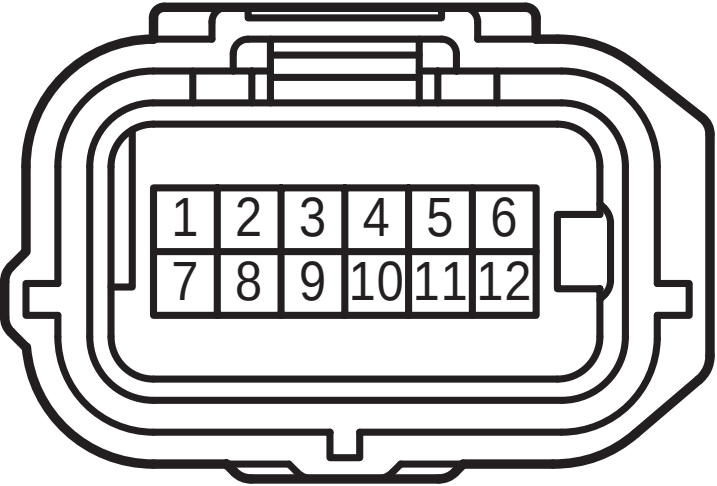
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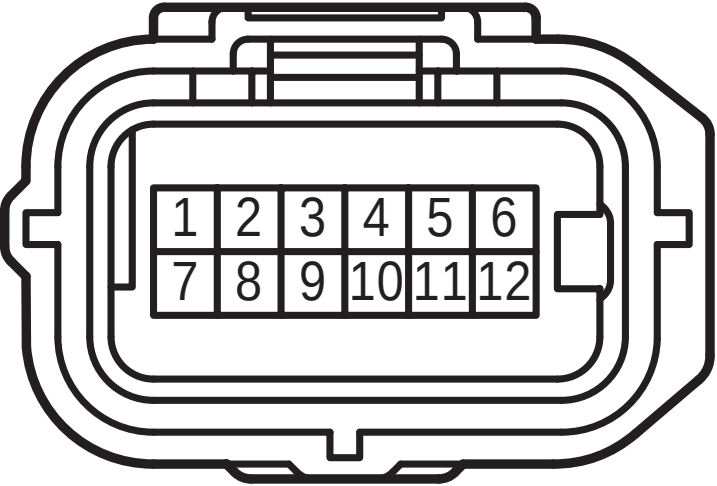
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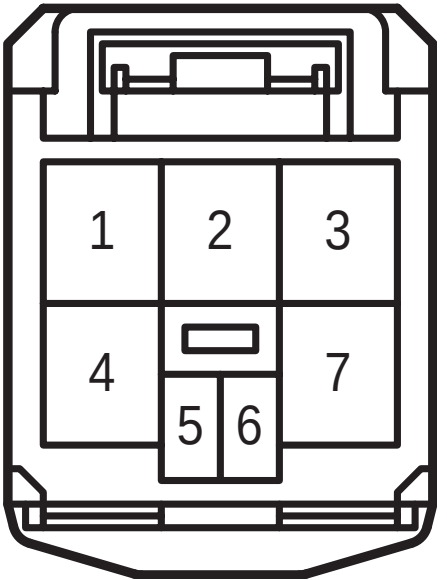
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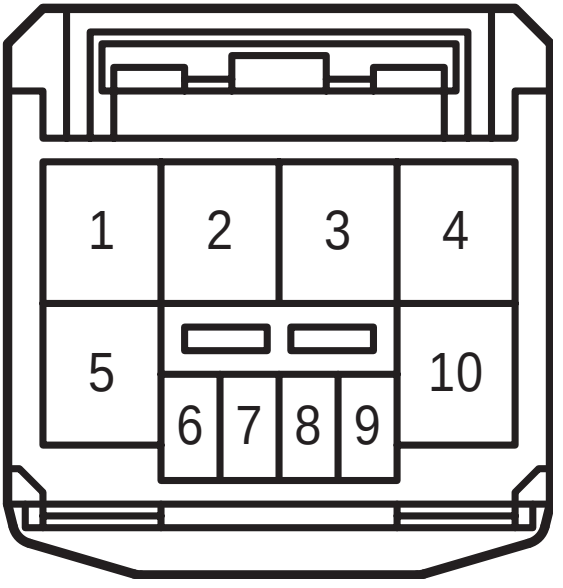
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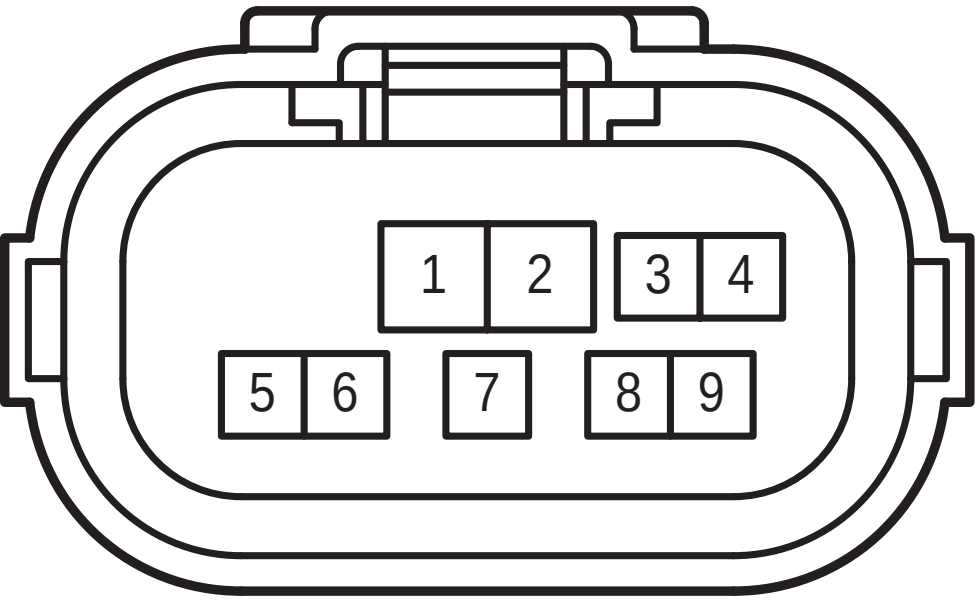
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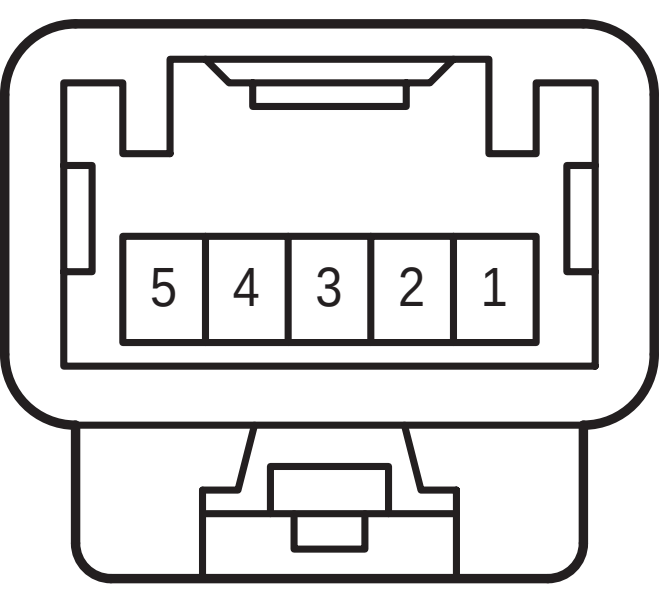
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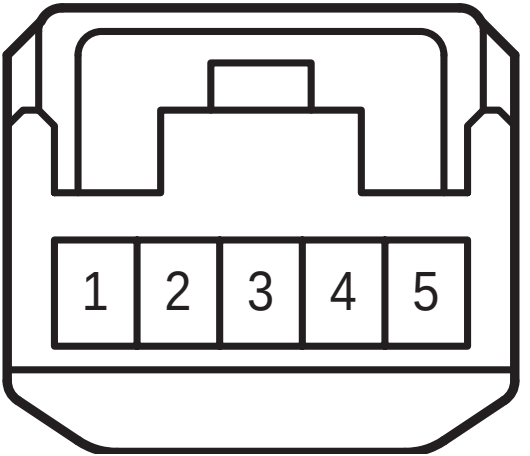
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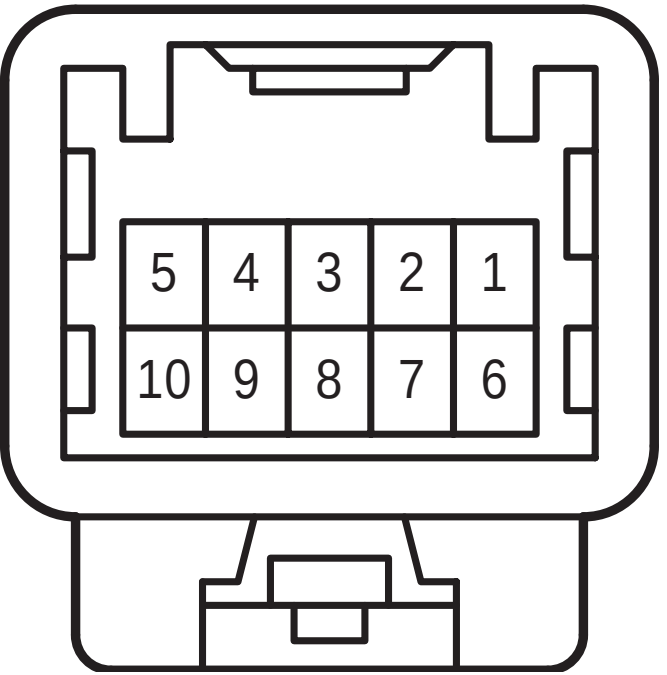
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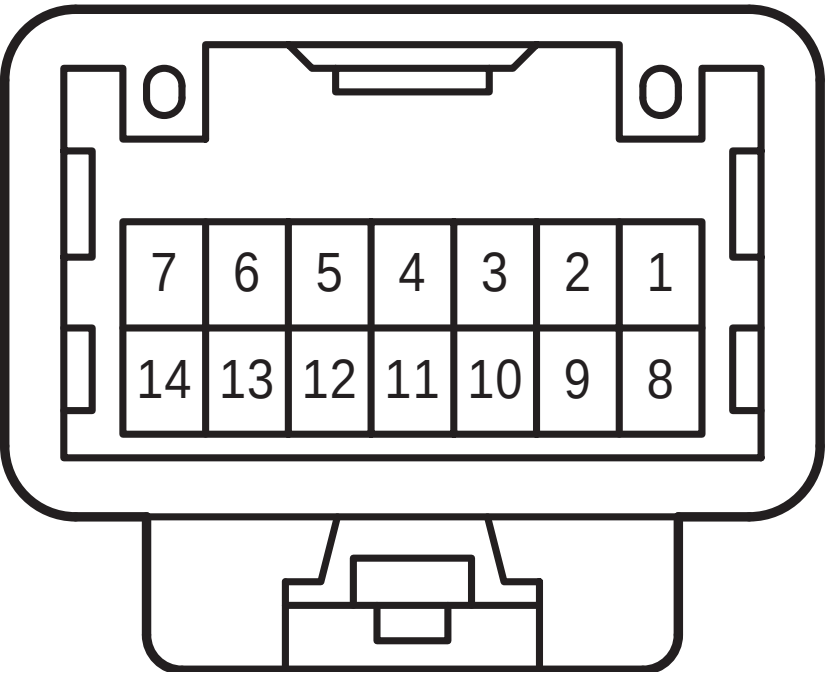
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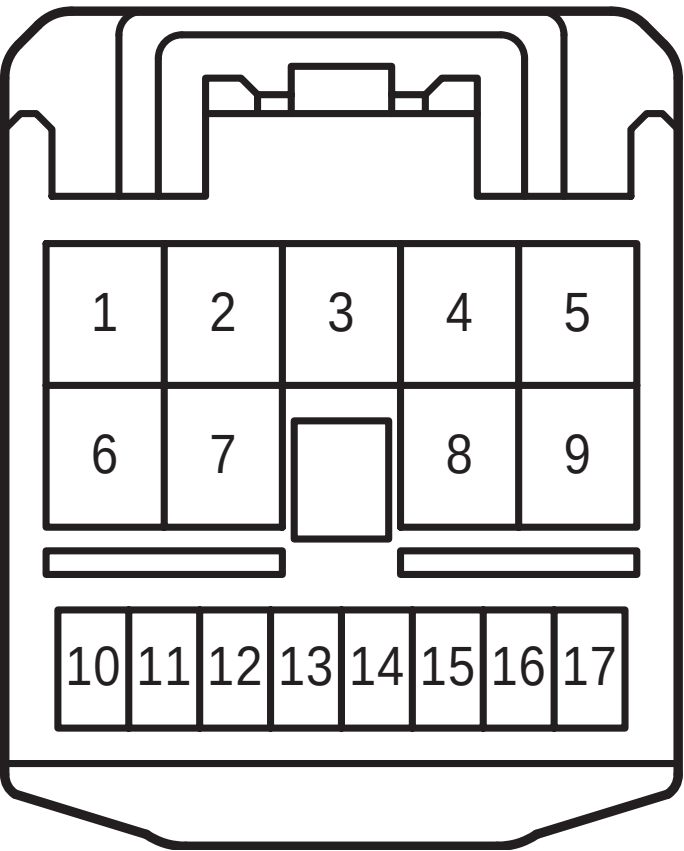
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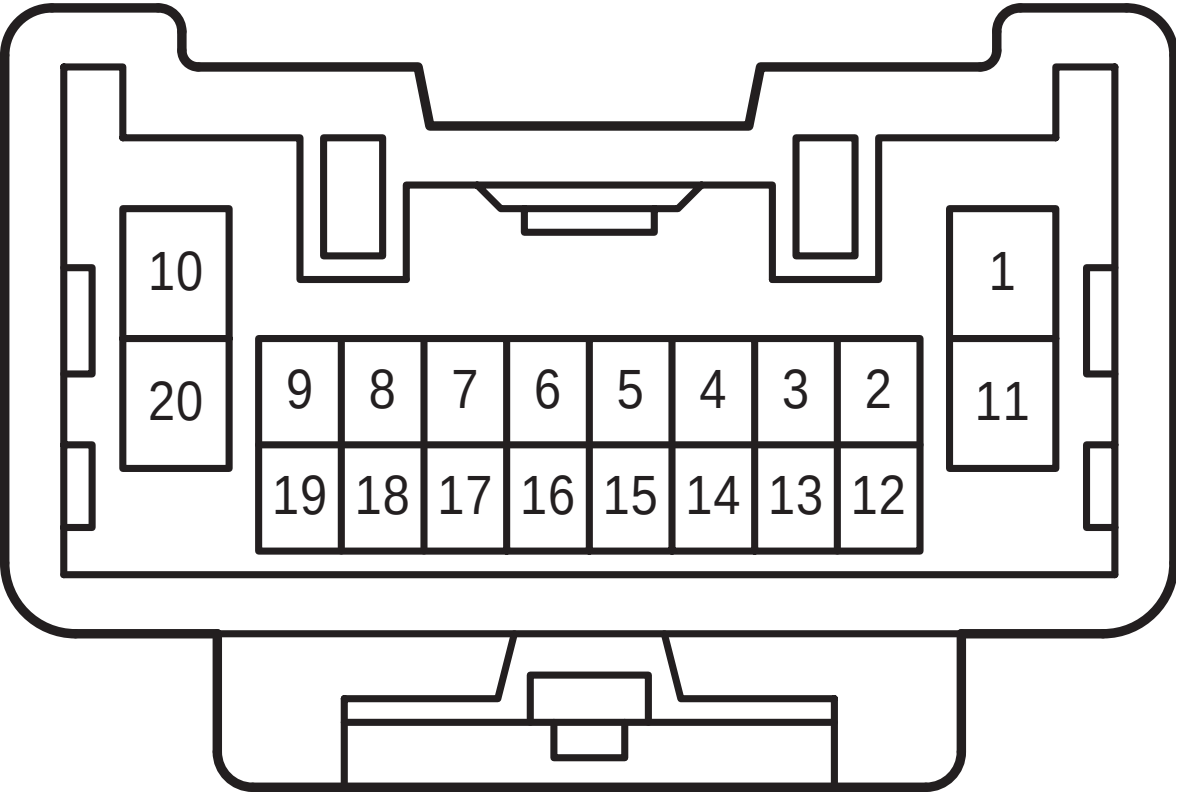
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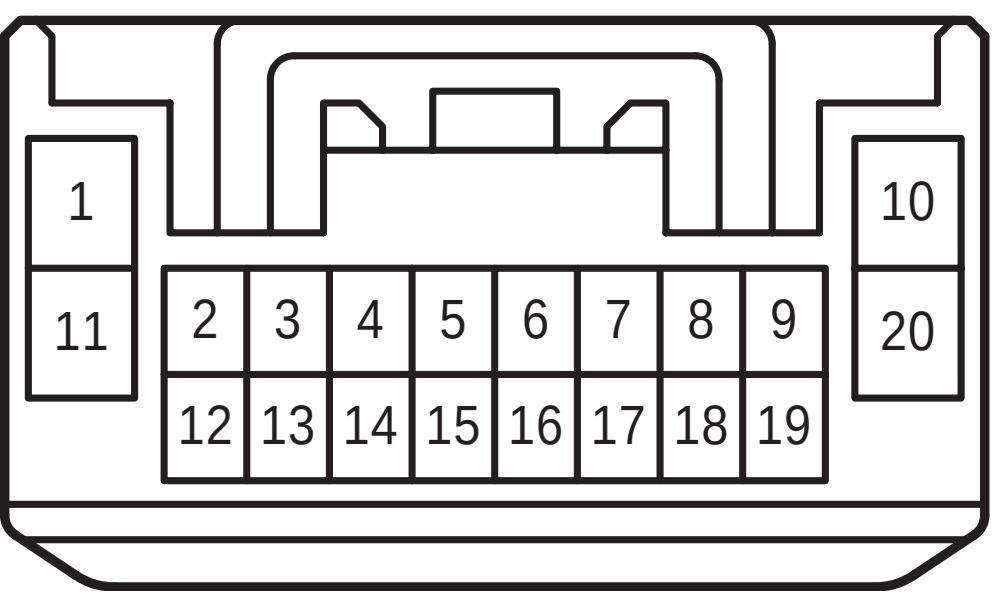
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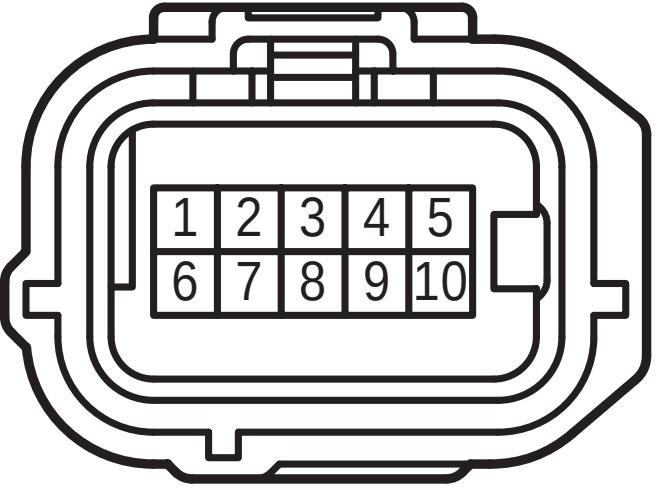
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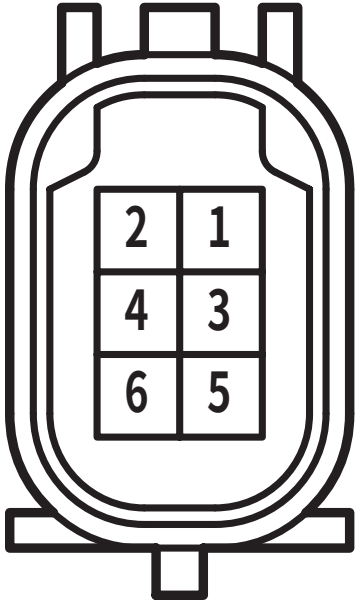
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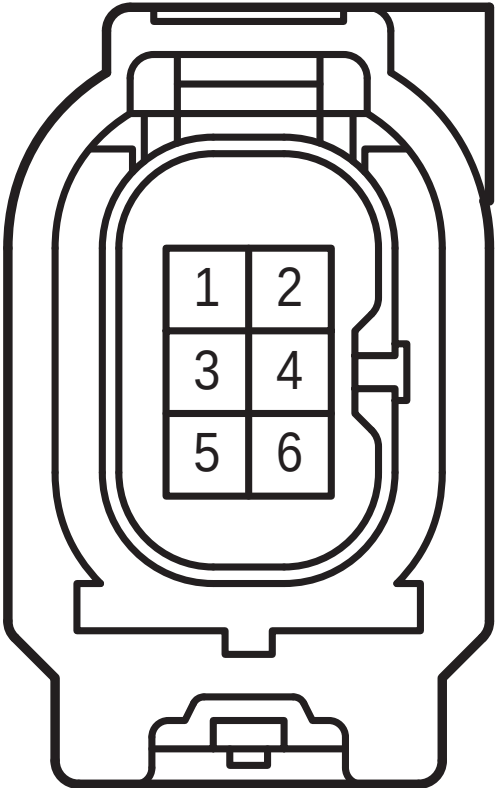
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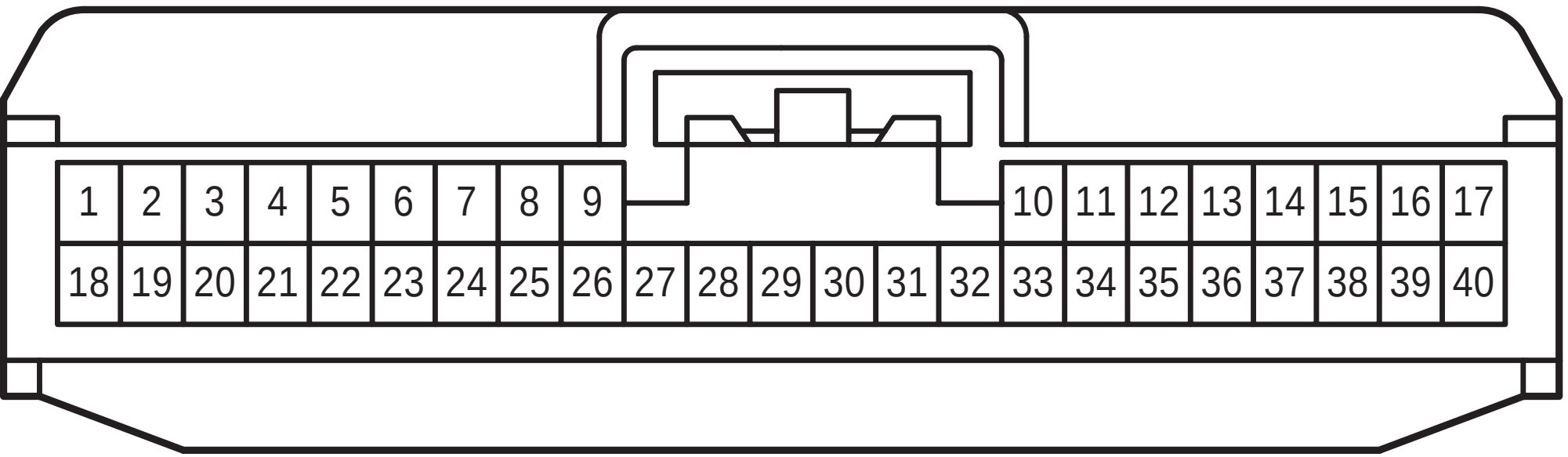
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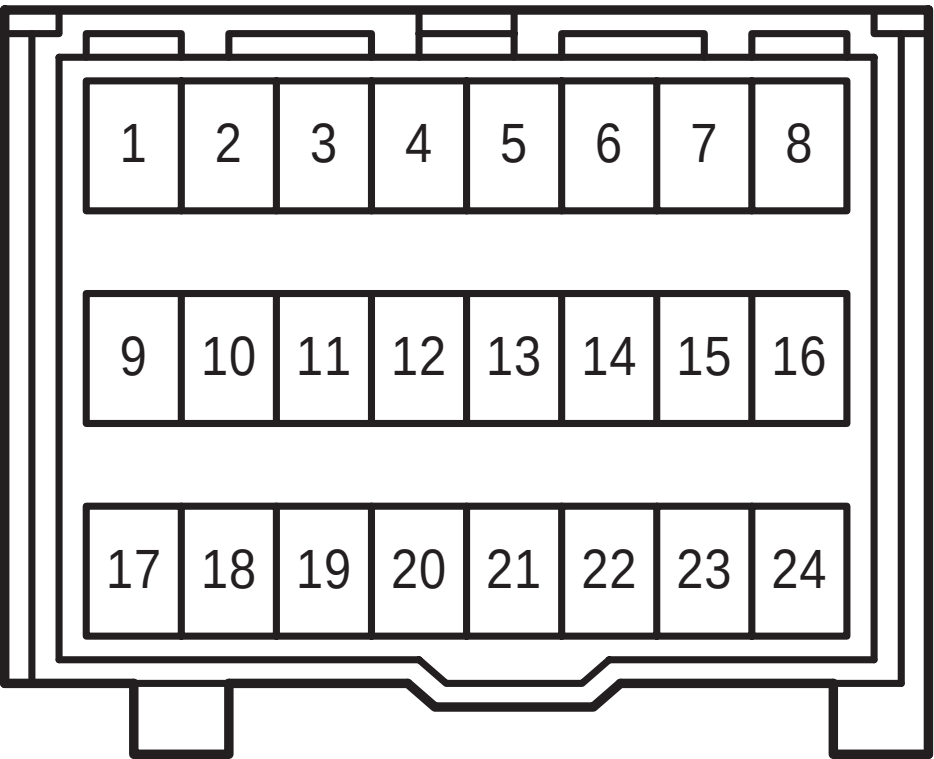
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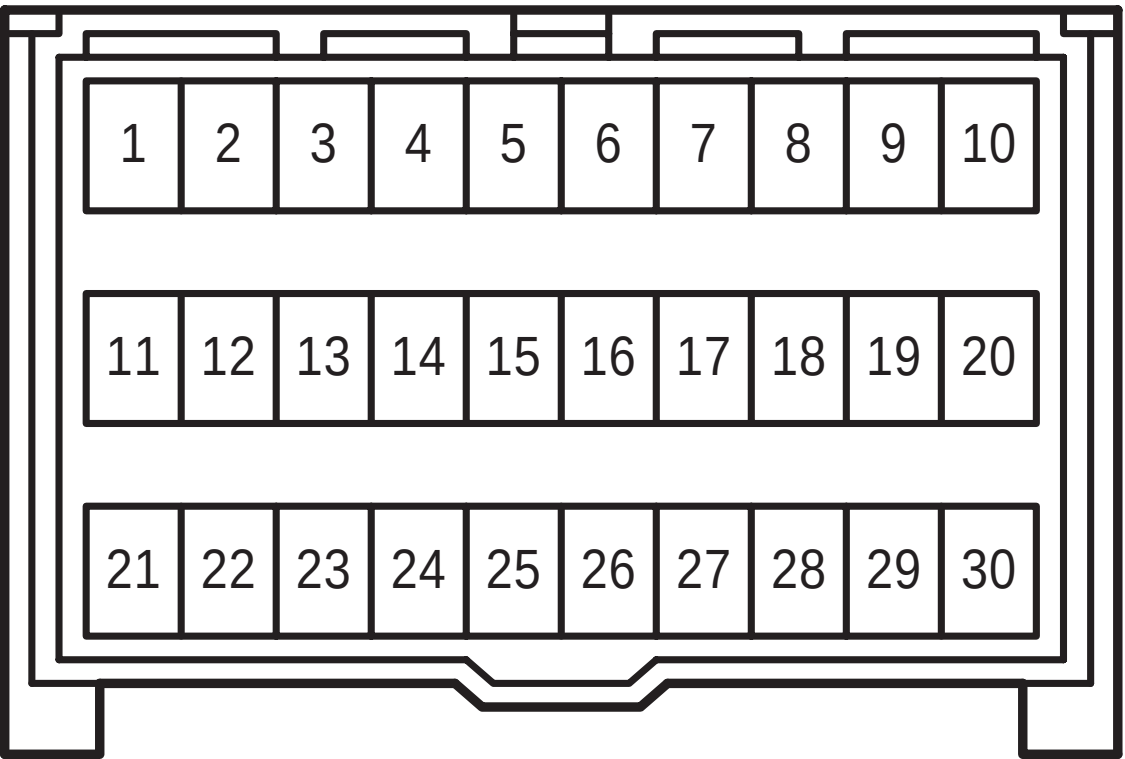
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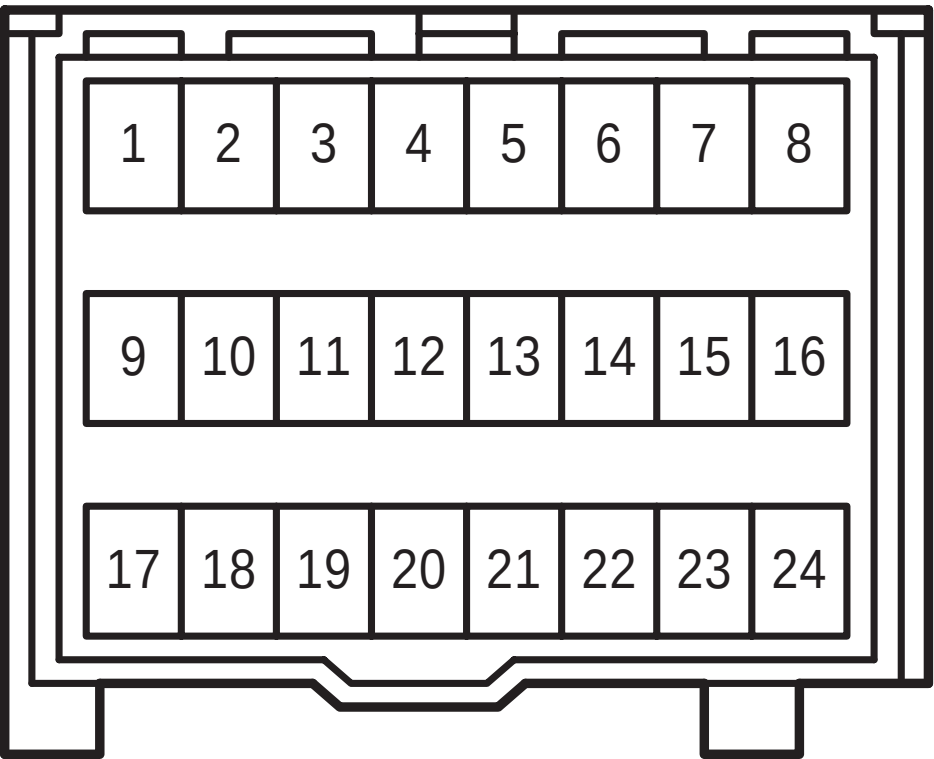
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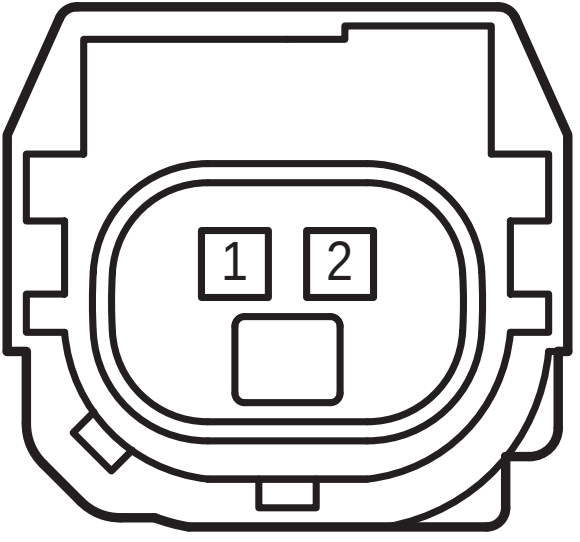
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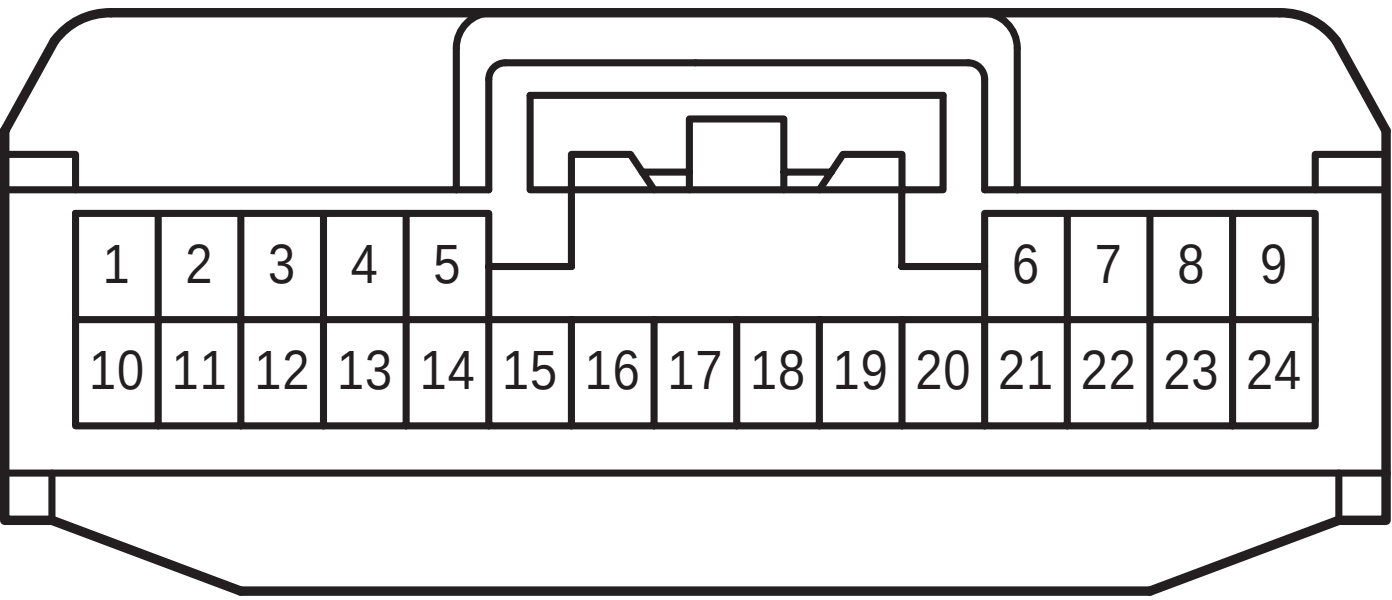
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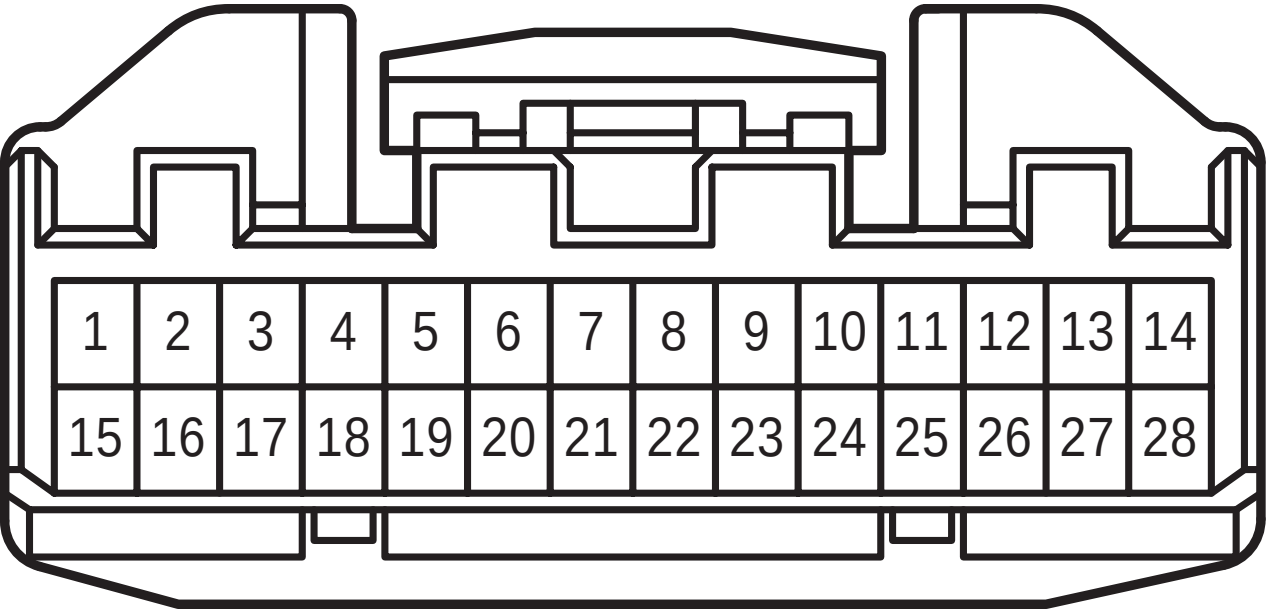
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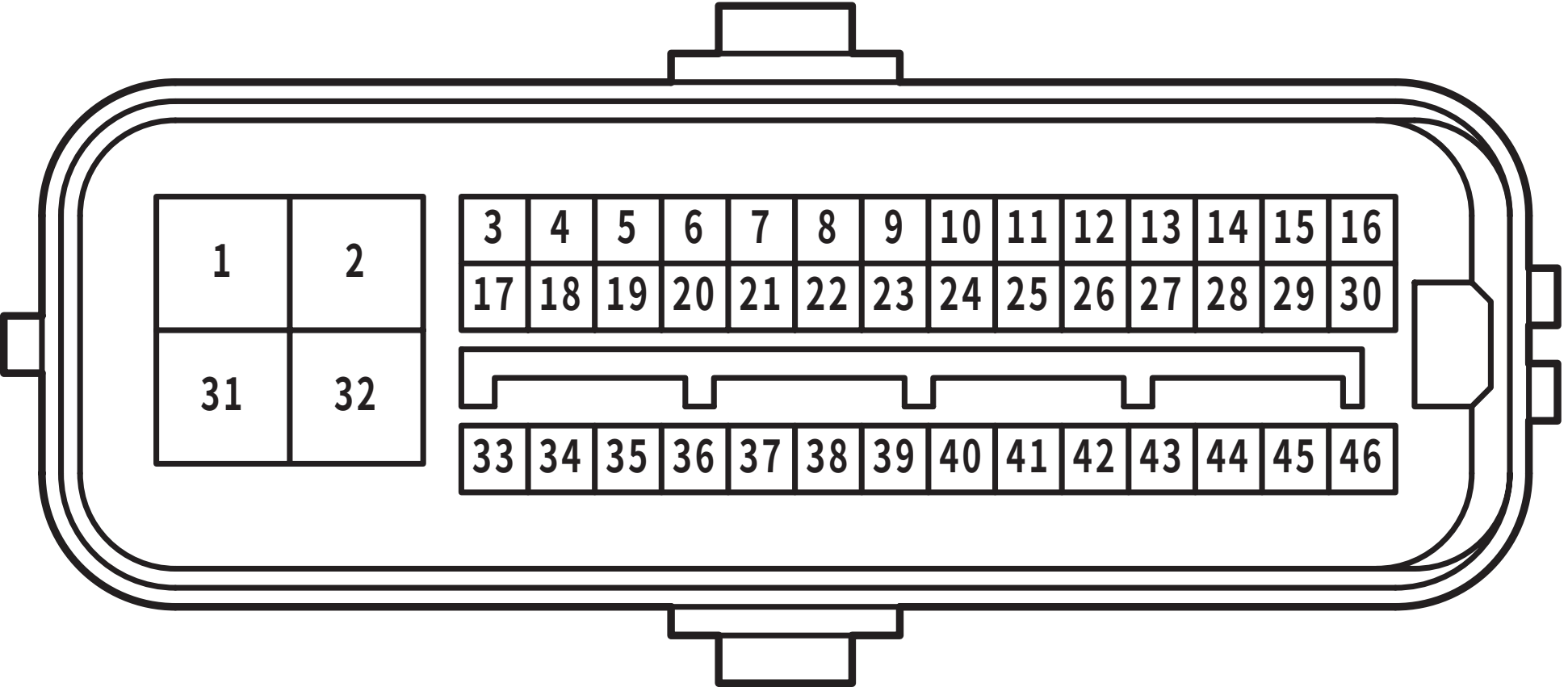
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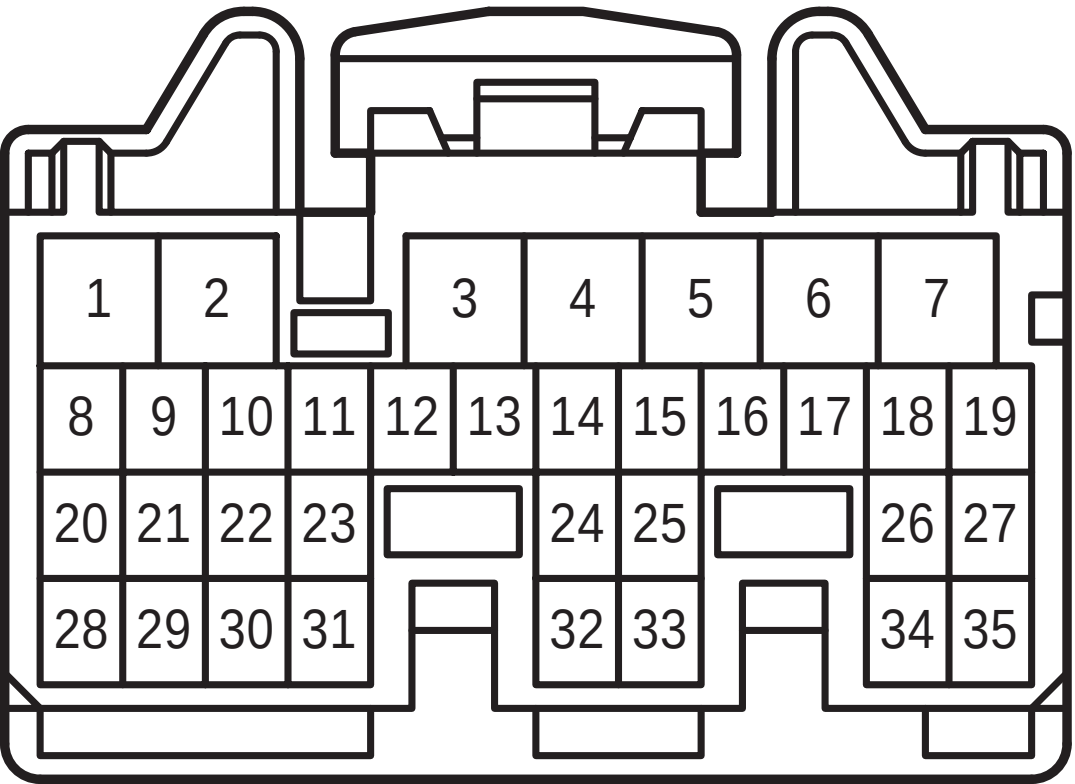
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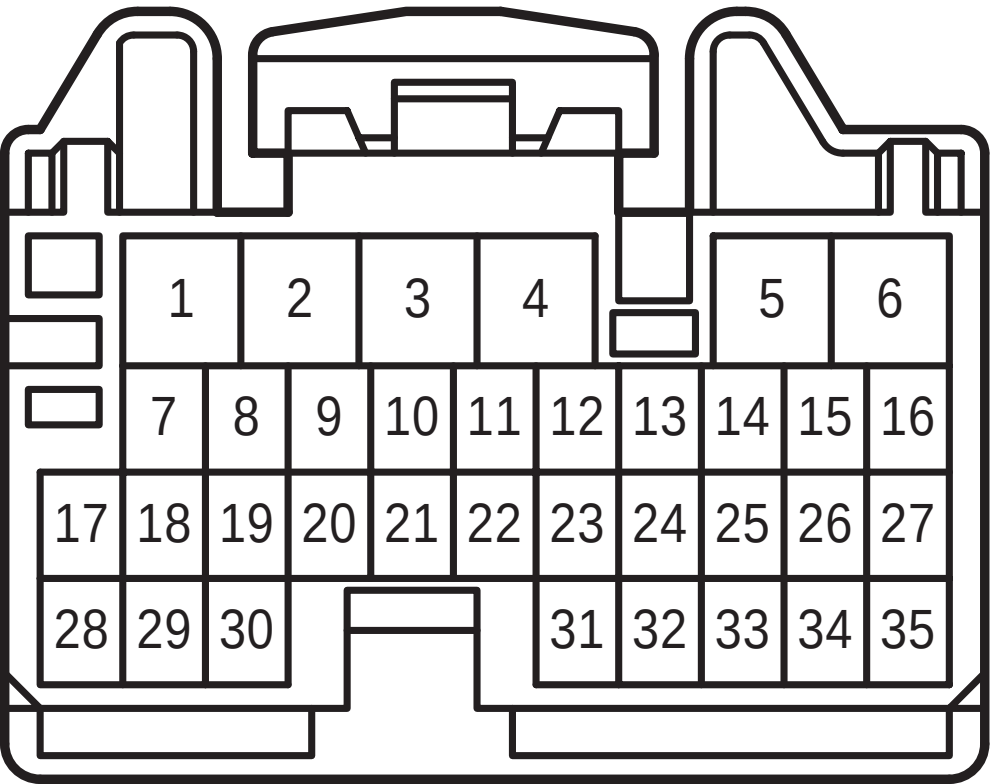
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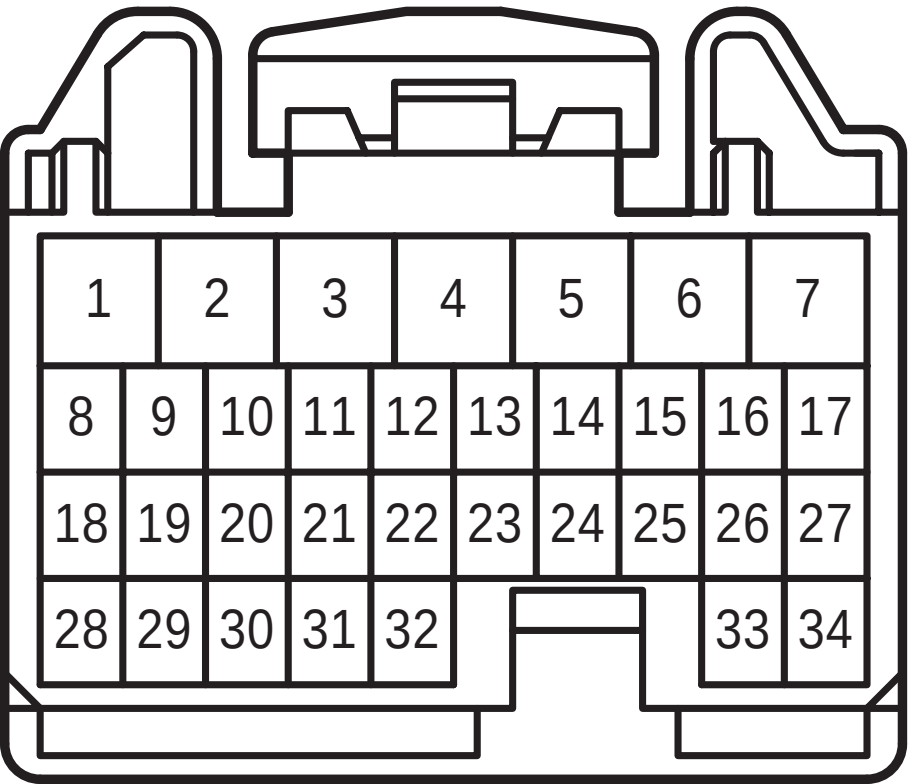
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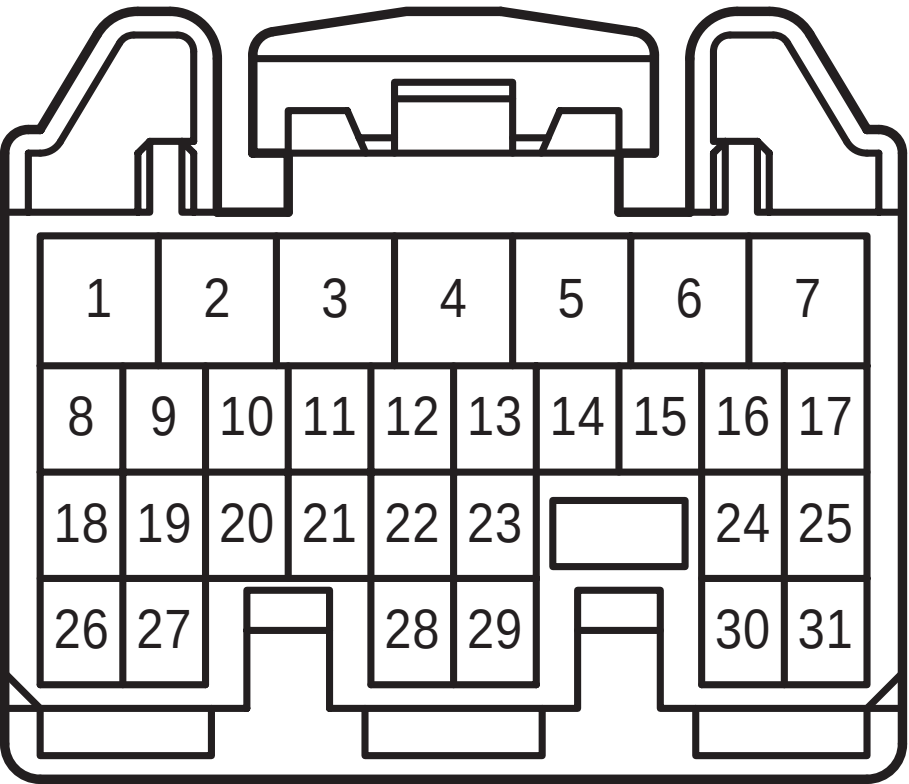
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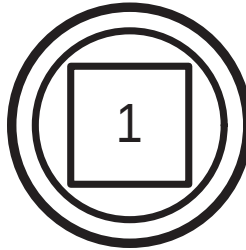
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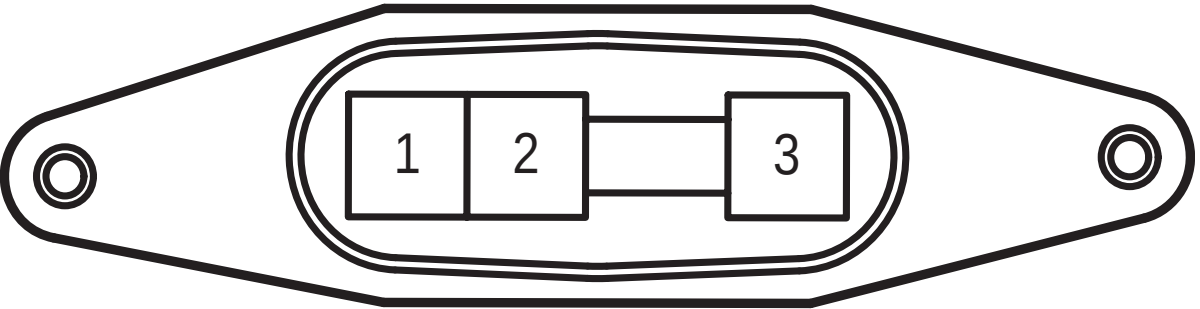
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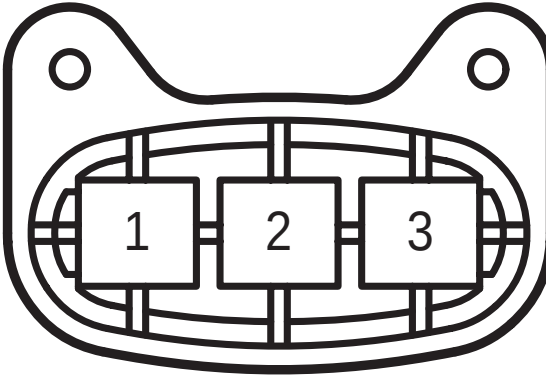
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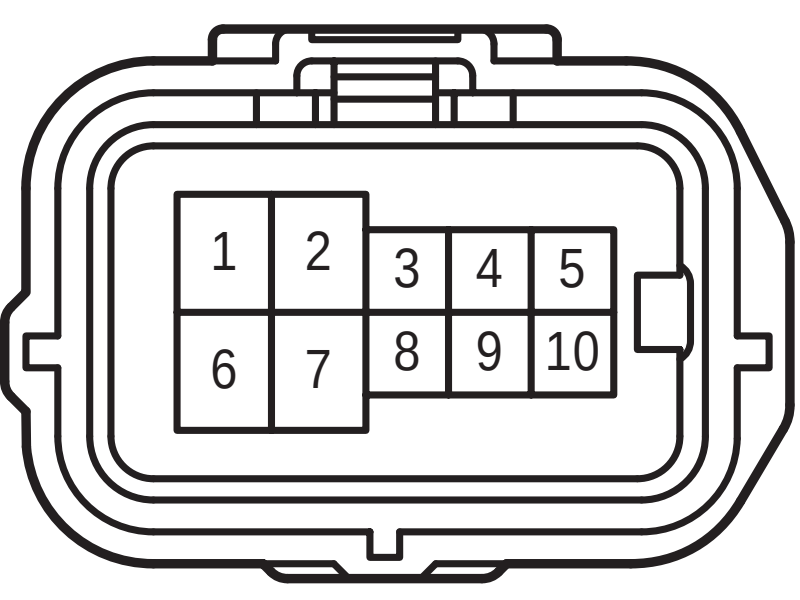
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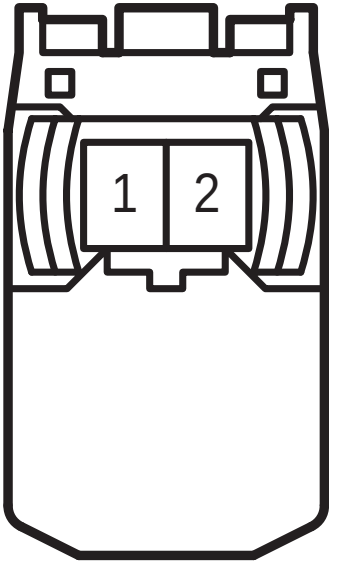
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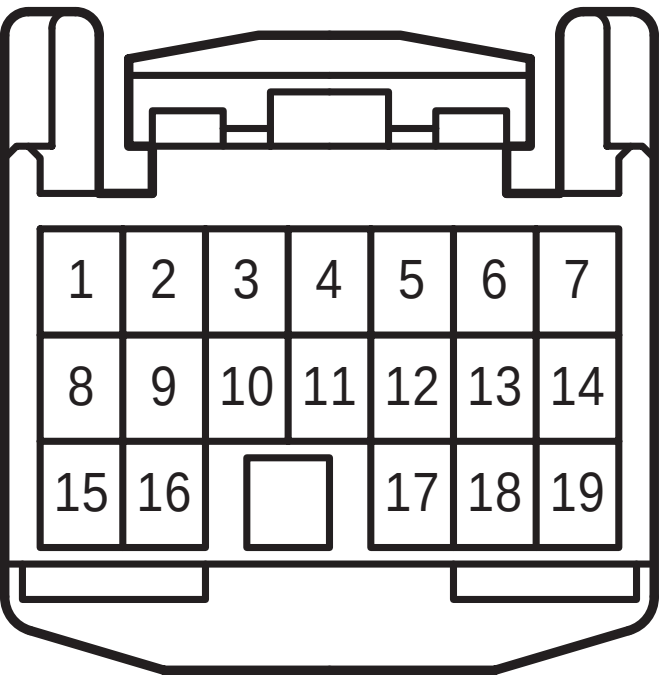
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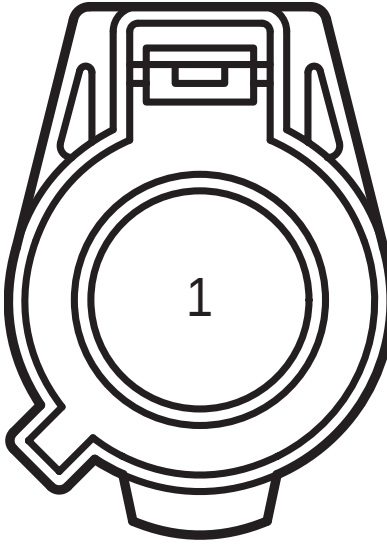
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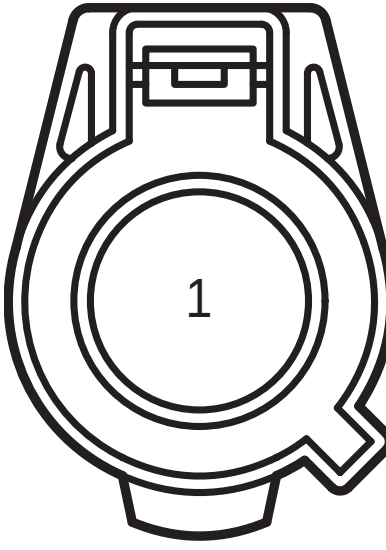
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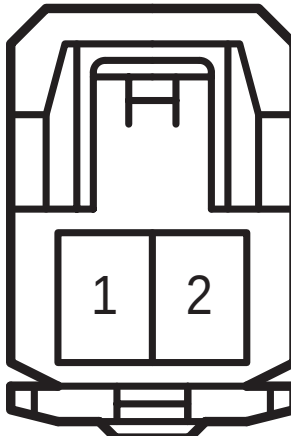
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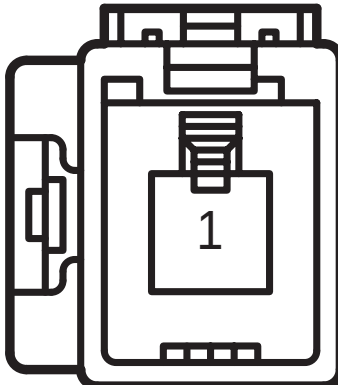
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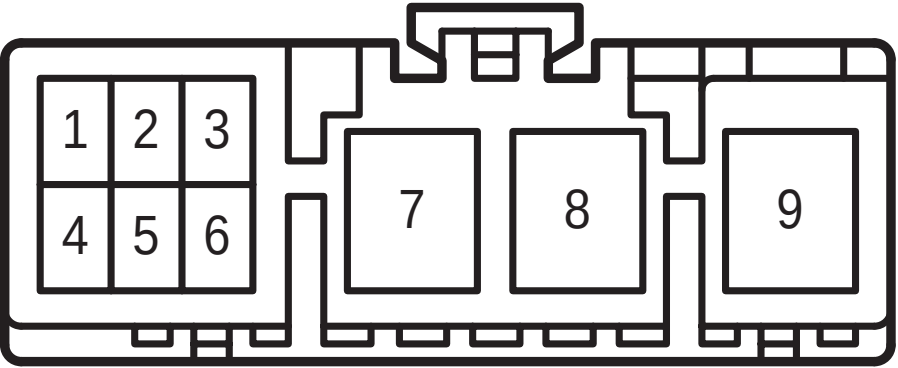
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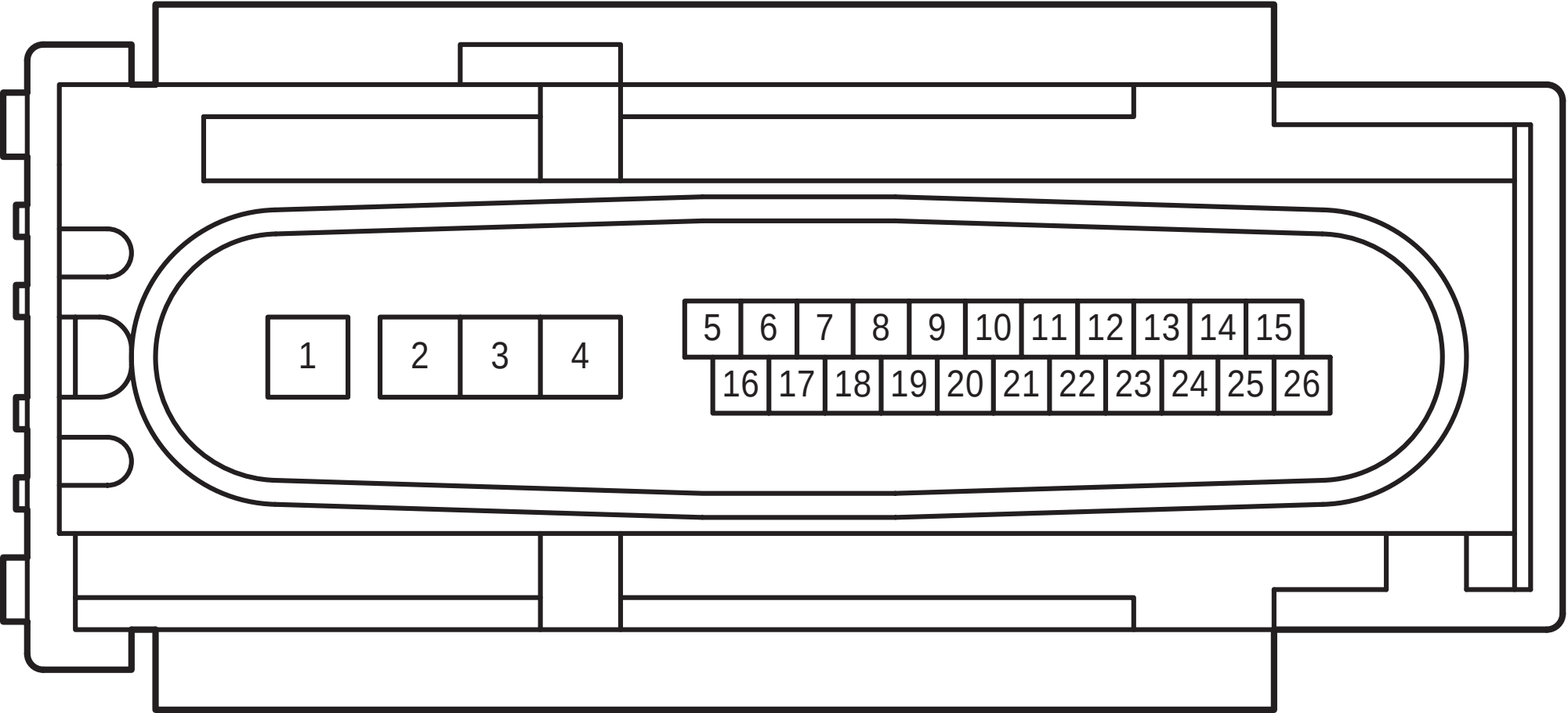
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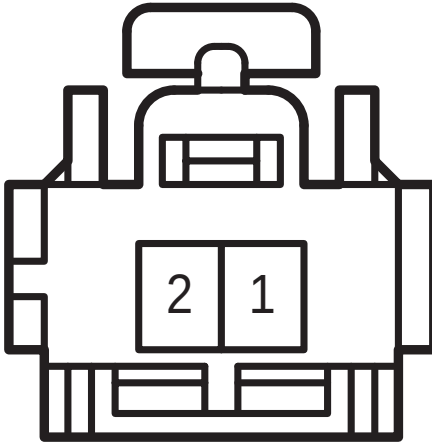
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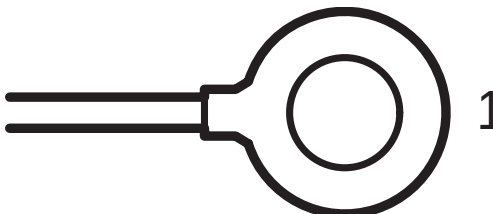
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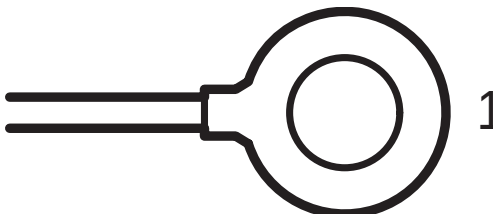
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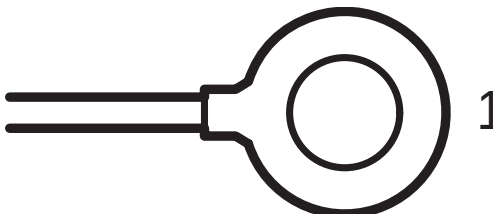
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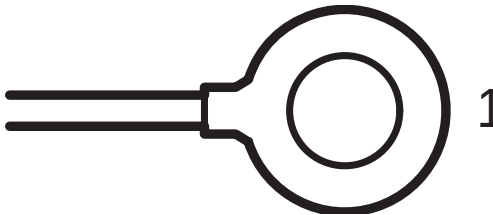
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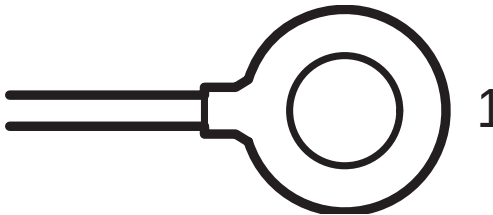
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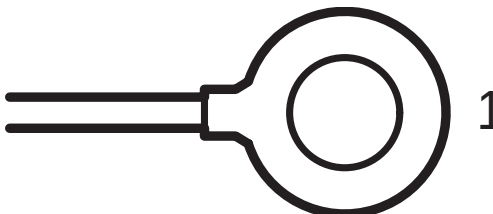
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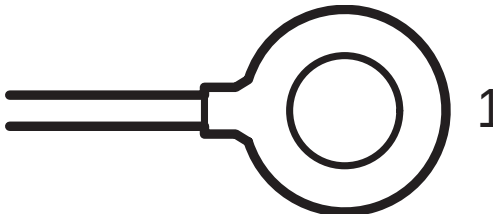
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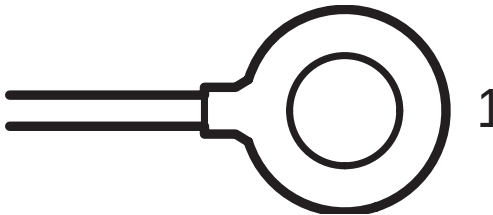
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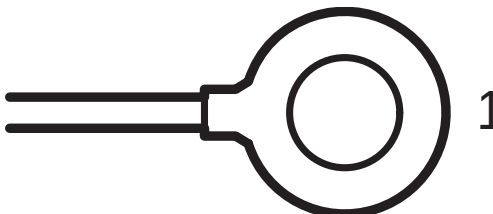
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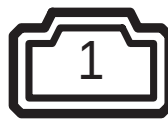
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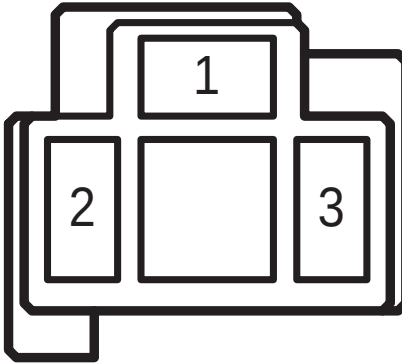
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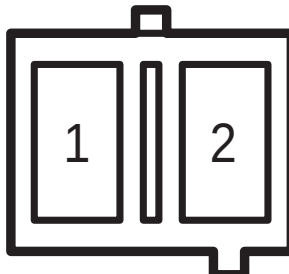
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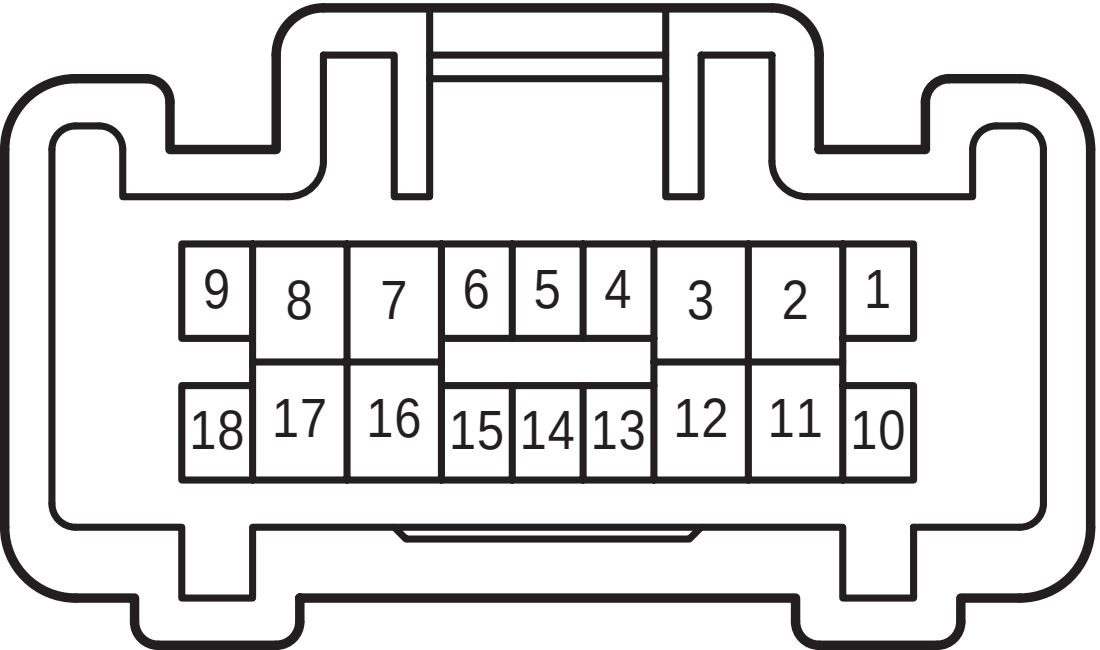
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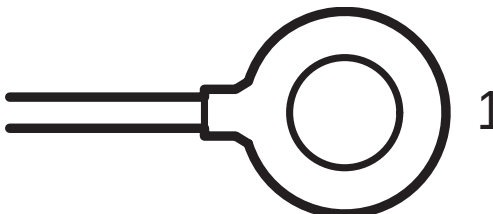
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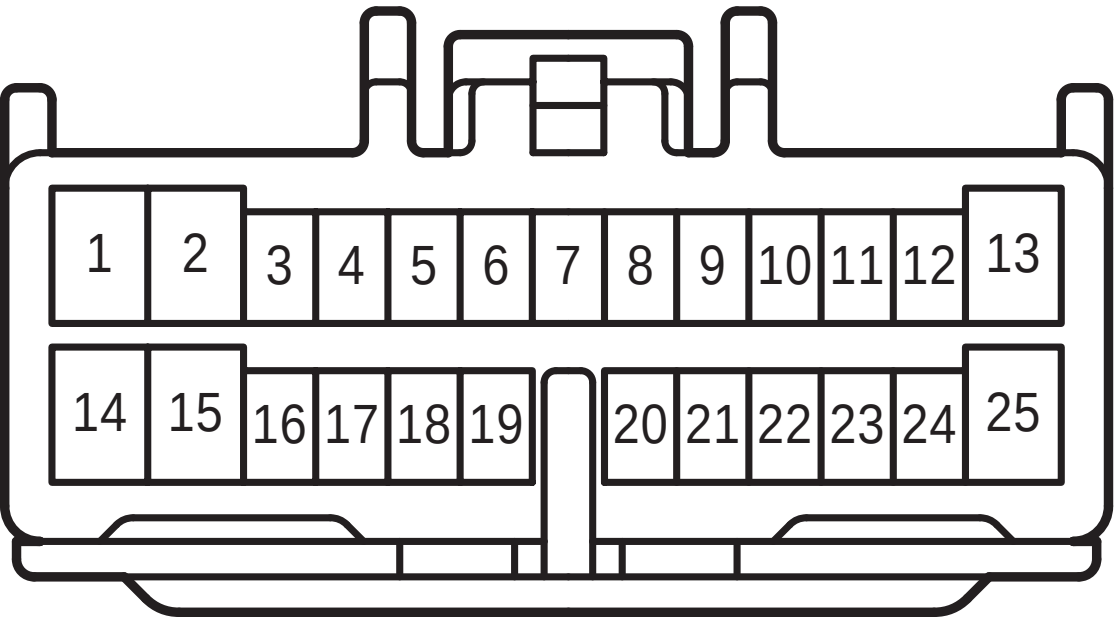
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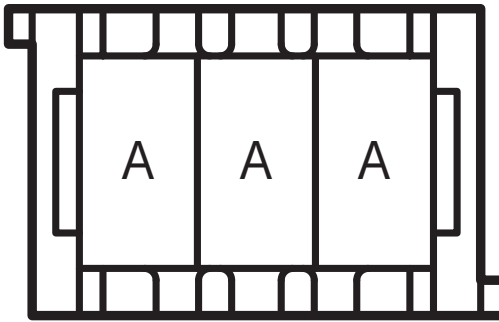
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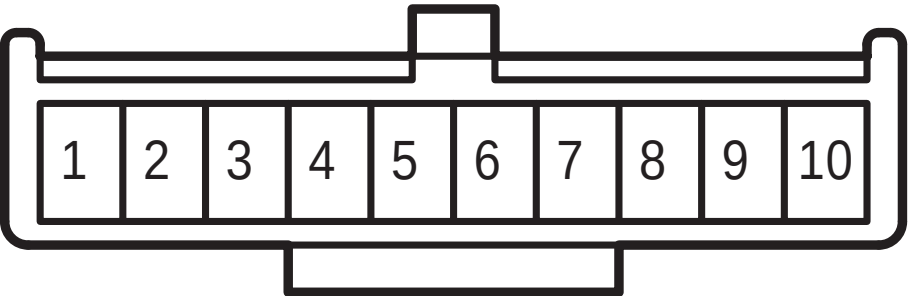
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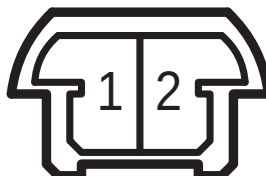
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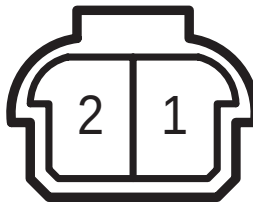
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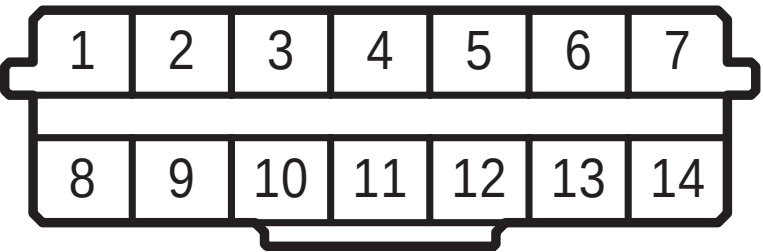
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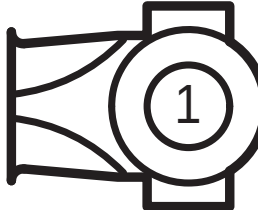
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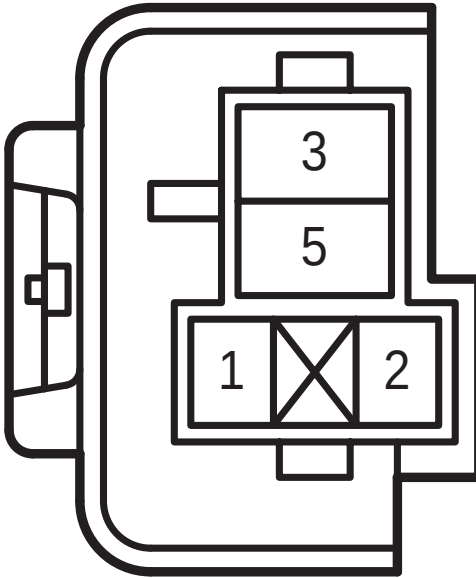
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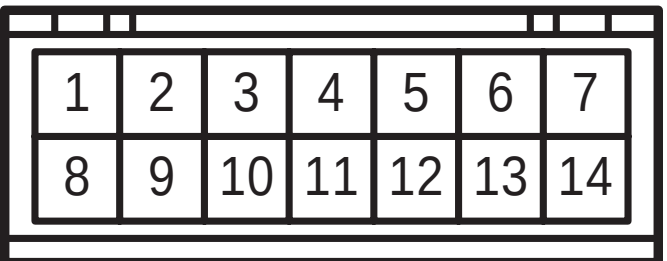
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FOREWORD

This wiring diagram manual has been prepared to provide information on the electrical system of the AVENSIS.

Applicable models: AZT250 Series
ZZT250, 251 Series
CDT250 Series

For service specifications and repair procedures of the above models other than those listed in this manual, refer to the following manuals;

Manual Name	Pub. No.
● AVENSIS Chassis and Body Repair	
Volume 1	RM1018E1
Volume 2	RM1018E2
● 1AZ–FSE Engine Repair Manual	RM1019E
● AVENSIS New Car Features	NCF240E

All information in this manual is based on the latest product information at the time of publication. However, specifications and procedures are subject to change without notice.

TOYOTA MOTOR CORPORATION

NOTICE

When handling supplemental restraint system components (removal, installation or inspection, etc.), always follow the direction given in the repair manuals listed above to prevent accidents and supplemental restraint system malfunction.

A INTRODUCTION

This manual consists of the following 13 sections:

No.	Section	Description
A	INDEX	Index of the contents of this manual.
	INTRODUCTION	Brief explanation of each section.
B	HOW TO USE THIS MANUAL	Instructions on how to use this manual.
C	TROUBLE–SHOOTING	Describes the basic inspection procedures for electrical circuits.
D	ABBREVIATIONS	Defines the abbreviations used in this manual.
E	GLOSSARY OF TERMS AND SYMBOLS	Defines the symbols and functions of major parts.
F	RELAY LOCATIONS	Shows position of the Electronic Control Unit, Relays, Relay Block, etc. This section is closely related to the system circuit.
G	ELECTRICAL WIRING ROUTING	Describes position of Parts Connectors, Splice points, Ground points, etc. This section is closely related to the system circuit.
H	INDEX	Index of the system circuits.
	SYSTEM CIRCUITS	Electrical circuits of each system are shown from the power supply through ground points. Wiring connections and their positions are shown and classified by code according to the connection method. (Refer to the section, ”How to use this manual”). The ”System Outline” and ”Service Hints” useful for troubleshooting are also contained in this section.
I	GROUND POINT	Shows ground positions of all parts described in this manual.
J	POWER SOURCE (Current Flow Chart)	Describes power distribution from the power supply to various electrical loads.
K	CONNECTOR LIST	Describes the form of the connectors for the parts appeared in this book. This section is closely related to the system circuit.
L	PART NUMBER OF CONNECTORS	Indicates the part number of the connectors used in this manual.
M	OVERALL ELECTRICAL WIRING DIAGRAM	Provides circuit diagrams showing the circuit connections.

This manual provides information on the electrical circuits installed on vehicles by dividing them into a circuit for each system.

The actual wiring of each system circuit is shown from the point where the power source is received from the battery as far as each ground point. (All circuit diagrams are shown with the switches in the OFF position.)

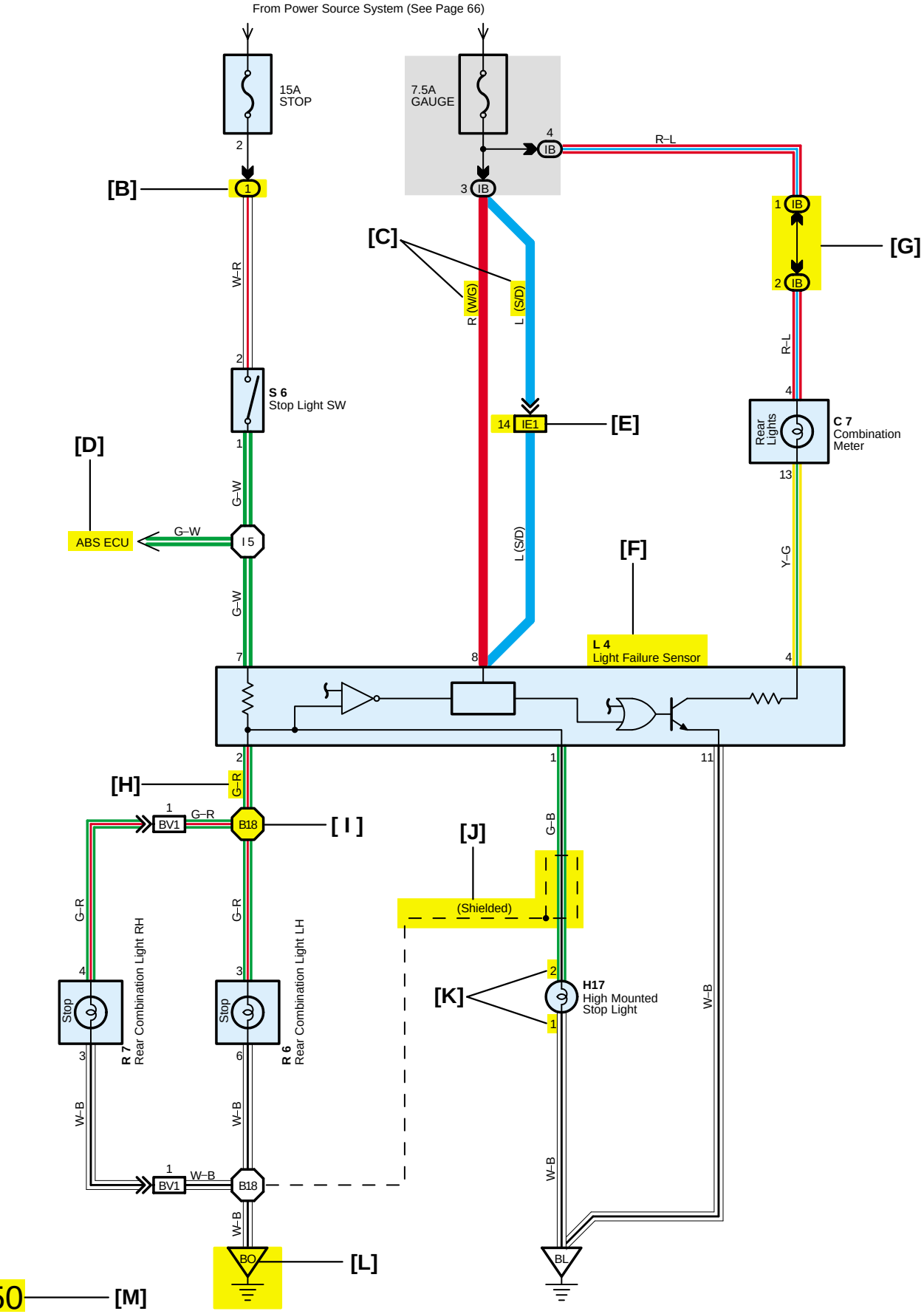
When troubleshooting any problem, first understand the operation of the circuit where the problem was detected (see System Circuit section), the power source supplying power to that circuit (see Power Source section), and the ground points (see Ground Point section). See the System Outline to understand the circuit operation.

When the circuit operation is understood, begin troubleshooting of the problem circuit to isolate the cause. Use Relay Location and Electrical Wiring Routing sections to find each part, junction block and wiring harness connectors, wiring harness and wiring harness connectors, splice points, and ground points of each system circuit. Internal wiring for each junction block is also provided for better understanding of connection within a junction block.
Wiring related to each system is indicated in each system circuit by arrows (from__, to__). When overall connections are required, see the Overall Electrical Wiring Diagram at the end of this manual.

[A]

Stop Light

* The system shown here is an EXAMPLE ONLY. It is different to the actual circuit shown in the SYSTEM CIRCUITS SECTION.



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[A] : System Title

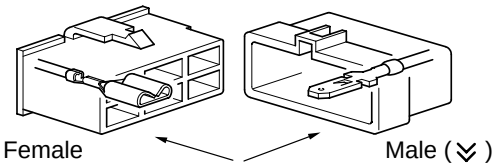
[B] : Indicates a Relay Block. No shading is used and only the Relay Block No. is shown to distinguish it from the J/B

Example: (1) Indicates Relay Block No.1

[C] : ( ) is used to indicate different wiring and connector, etc. when the vehicle model, engine type, or specification is different.

[D] : Indicates related system.

[E] : Indicates the wiring harness and wiring harness connector. The wiring harness with male terminal is shown with arrows (»).
Outside numerals are pin numbers.



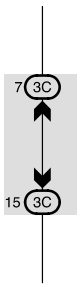
The first letter of the code for each wiring harness and wiring harness connector(s) indicates the component's location, e.g, "E" for the Engine Compartment, "I" for the Instrument Panel and Surrounding area, and "B" for the Body and Surrounding area.

When more than one code has the first and second letters in common, followed by numbers (e.g, IH1, IH2), this indicates the same type of wiring harness and wiring harness connector.

[F] : Represents a part (all parts are shown in sky blue). The code is the same as the code used in parts position.

[G] : Junction Block (The number in the circle is the J/B No. and the connector code is shown beside it). Junction Blocks are shaded to clearly separate them from other parts.

Example:



3C indicates that it is inside Junction Block No.3

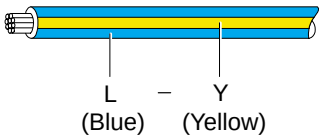
[H] : Indicates the wiring color.

Wire colors are indicated by an alphabetical code.

B	= Black	W	= White	BR	= Brown
L	= Blue	V	= Violet	SB	= Sky Blue
R	= Red	G	= Green	LG	= Light Green
P	= Pink	Y	= Yellow	GR	= Gray
O	= Orange				

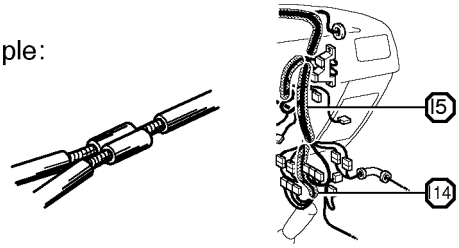
The first letter indicates the basic wire color and the second letter indicates the color of the stripe.

Example: L – Y



[I] : Indicates a wiring Splice Point (Codes are "E" for the Engine Room, "I" for the Instrument Panel, and "B" for the Body).

Example:

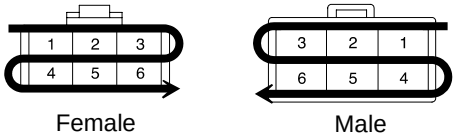


The Location of splice Point I 5 is indicated by the shaded section.

[J] : Indicates a shielded cable.

[K] : Indicates the pin number of the connector.
The numbering system is different for female and male connectors.

Example:



[L] : Indicates a ground point.

The first letter of the code for each ground point(s) indicates the component's location, e.g, "E" for the Engine Compartment, "I" for the Instrument Panel and Surrounding area, and "B" for the Body and Surrounding area.

[M] : Page No.

[N] **System Outline**

Current is applied at all times through the STOP fuse to TERMINAL 2 of the stop light SW.
When the ignition SW is turned on, current flows from the GAUGE fuse to TERMINAL 8 of the light failure sensor, and also flows through the rear lights warning light to TERMINAL 4 of the light failure sensor.

Stop Light Disconnection Warning

When the ignition SW is turned on and the brake pedal is pressed (Stop light SW on), if the stop light circuit is open, the current flowing from TERMINAL 7 of the light failure sensor to TERMINALS 1, 2 changes, so the light failure sensor detects the disconnection and the warning circuit of the light failure sensor is activated.
As a result, the current flows from TERMINAL 4 of the light failure sensor to TERMINAL 11 to GROUND and turns the rear lights warning light on. By pressing the brake pedal, the current flowing to TERMINAL 8 of the light failure sensor keeps the warning circuit on and holds the warning light on until the ignition SW is turned off.

[O] **Service Hints**

S6 Stop Light SW

2–1 : Closed with the brake pedal depressed

L4 Light Failure Sensor

1, 2, 7–Ground : Approx. 12 volts with the stop light SW on
4, 8–Ground : Approx. 12 volts with the ignition SW at ON position
11–Ground : Always continuity

[P] **: Parts Location**

Code	See Page	Code	See Page	Code	See Page
C7	34	L4	36	R7	37
H17	36	R6	37	S6	35

[Q] **: Relay Blocks**

Code	See Page	Relay Blocks (Relay Block Location)
1	18	R/B No.1 (Instrument Panel Brace LH)

[R] **: Junction Block and Wire Harness Connector**

Code	See Page	Junction Block and Wire Harness (Connector Location)
IB	20	Instrument Panel Wire and Instrument Panel J/B (Lower Finish Panel)
3C	22	Instrument Panel Wire and J/B No.3 (Instrument Panel Brace LH)

[S] **: Connector Joining Wire Harness and Wire Harness**

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IE1	42	Floor Wire and Instrument Panel Wire (Left Kick Panel)
BV1	50	Luggage Room Wire and Floor Wire (Luggage Room Left)

[T] **: Ground Points**

Code	See Page	Ground Points Location
BL	50	Under the Left Center Pillar
BO	50	Back Panel Center

[U] **: Splice Points**

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I5	44	Cowl Wire	B18	50	Luggage Room Wire

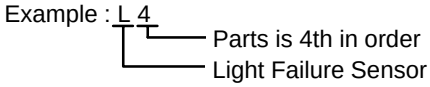
[N] : Explains the system outline.

[O] : Indicates values or explains the function for reference during troubleshooting.

[P] : Indicates the reference page showing the position on the vehicle of the parts in the system circuit.

Example : Part ”L4” (Light Failure Sensor) is on page 36 of the manual.

∗ The letter in the code is from the first letter of the part, and the number indicates its order in parts starting with that letter.



[Q] : Indicates the reference page showing the position on the vehicle of Relay Block Connectors in the system circuit.

Example : Connector ”1” is described on page 18 of this manual and is installed on the left side of the instrument panel.

[R] : Indicates the reference page showing the position on the vehicle of J/B and Wire Harness in the system circuit.

Example : Connector ”3C” connects the Instrument Panel Wire and J/B No.3. It is described on page 22 of this manual, and is installed on the instrument panel left side.

[S] : Indicates the reference page describing the wiring harness and wiring harness connector (the female wiring harness is shown first, followed by the male wiring harness).

Example : Connector ”IE1” connects the floor wire (female) and Instrument panel wire (male). It is described on page 42 of this manual, and is installed on the left side kick panel.

[T] : Indicates the reference page showing the position of the ground points on the vehicle.

Example : Ground point ”BO” is described on page 50 of this manual and is installed on the back panel center.

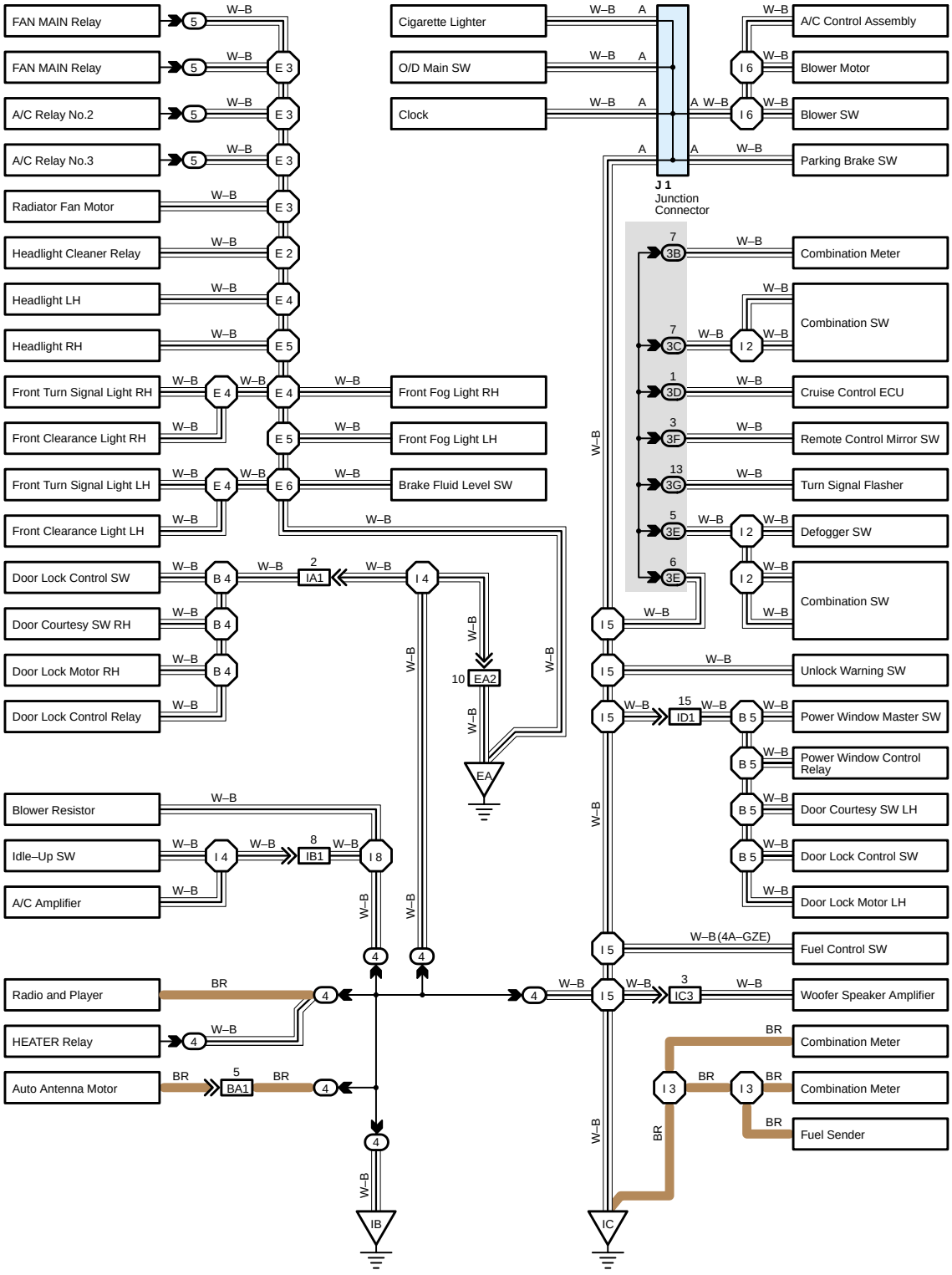
[U] : Indicates the reference page showing the position of the splice points on the vehicle.

Example : Splice point ”I5” is on the Cowl Wire Harness and is described on page 44 of this manual.

B HOW TO USE THIS MANUAL

The ground points circuit diagram shows the connections from all major parts to the respective ground points. When troubleshooting a faulty ground point, checking the system circuits which use a common ground may help you identify the problem ground quickly. The relationship between ground points (EA, IB and IC shown below) can also be checked this way.

I GROUND POINT

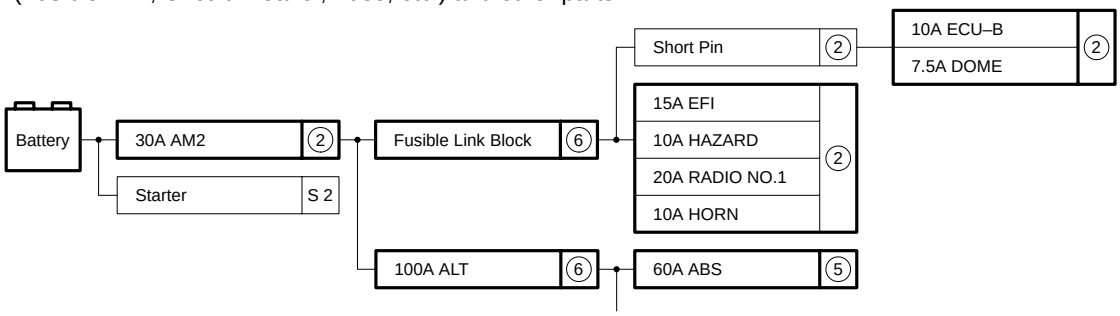


* The system shown here is an EXAMPLE ONLY. It is different to the actual circuit shown in the SYSTEM CIRCUITS SECTION.

The ”Current Flow Chart” section, describes which parts each power source (fuses, fusible links, and circuit breakers) transmits current to. In the Power Source circuit diagram, the conditions when battery power is supplied to each system are explained. Since all System Circuit diagrams start from the power source, the power source system must be fully understood.

J POWER SOURCE (Current Flow Chart)

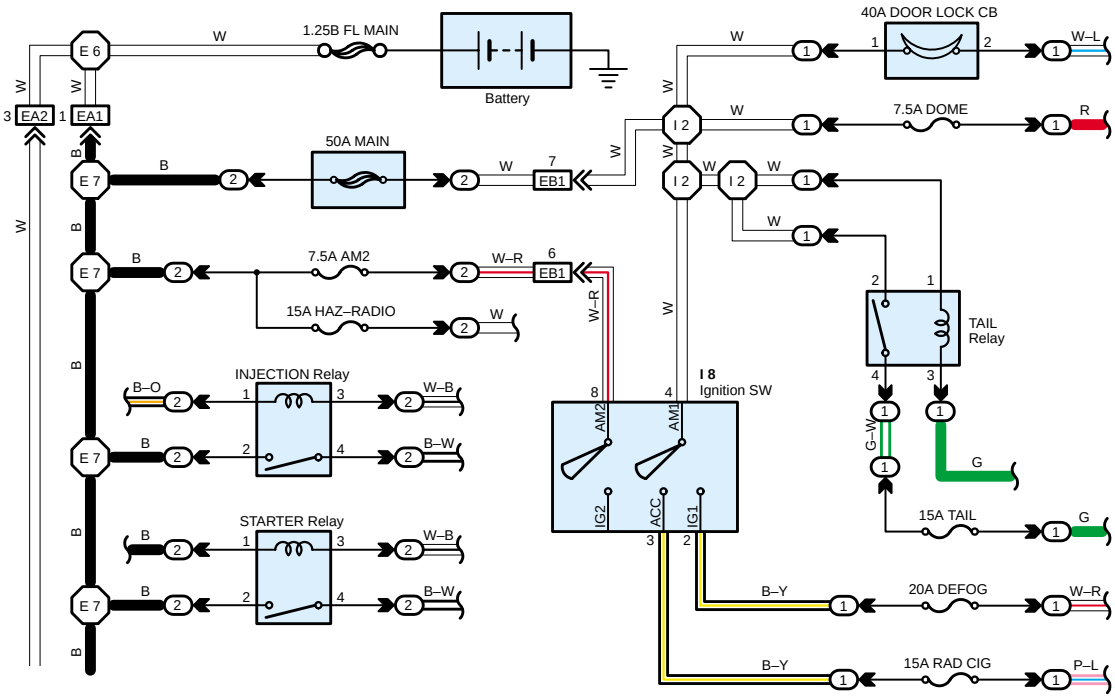
The chart below shows the route by which current flows from the battery to each electrical source (Fusible Link, Circuit Breaker, Fuse, etc.) and other parts.



Engine Room R/B (See Page 20)

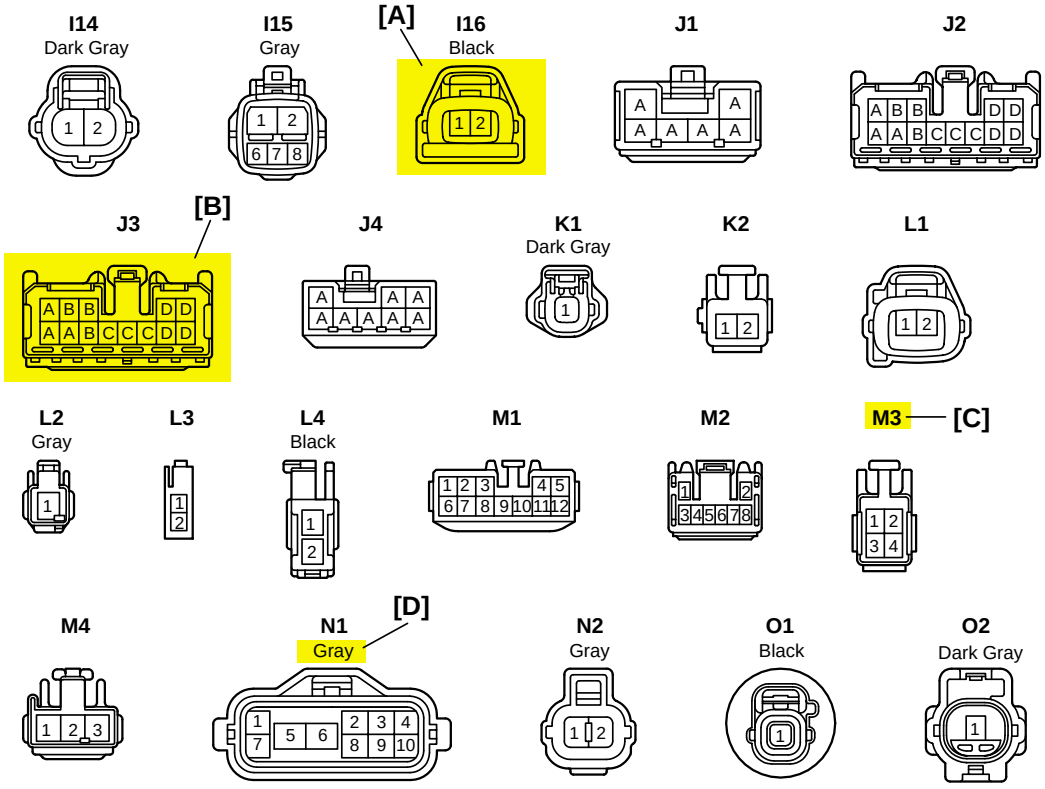
Fuse		System	Page
20A	STOP	ABS ABS and Traction Control Cruise Control Electronically Controlled Transmission Multiplex Communication System	194 187 180 166 210
10A	DOME	Cigarette Lighter Combination Meter Headlight Interior Light Key Reminder and Seat Belt Warning Light Auto Turn Off	214 230 112 122

Power Source



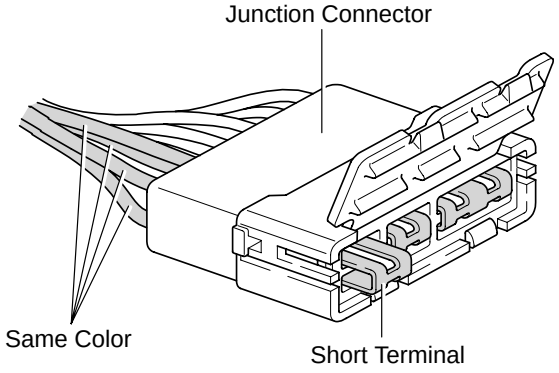
* The system shown here is an EXAMPLE ONLY. It is different to the actual circuit shown in the SYSTEM CIRCUITS SECTION.

K CONNECTOR LIST



[A] : Indicates connector to be connected to a part. (The numeral indicates the pin No.)

[B] : Junction Connector
Indicates a connector which is connected to a short terminal.



Junction connector in this manual include a short terminal which is connected to a number of wire harnesses. Always perform inspection with the short terminal installed. (When installing the wire harnesses, the harnesses can be connected to any position within the short terminal grouping. Accordingly, in other vehicles, the same position in the short terminal may be connected to a wire harness from a different part.)
Wire harness sharing the same short terminal grouping have the same color.

[C] : Parts Code
The first letter of the code is taken from the first letter of part, and the numbers indicates its order in parts which start with the same letter.

[D] : Connector Color
Connectors not indicated are milky white in color.

L PART NUMBER OF CONNECTORS

Code	Part Name	Part Number
A 1	A/C Ambient Temp. Sensor	90980–11070
A 2	A/C Condenser Fan Motor	90980–11237
A 3	A/C Condenser Fan Relay	90980–10940
A 4	A/C Condenser Fan Resistor	90980–10928
A 5	A/C Magnetic Clutch	90980–11271
A 6	A/T Oil Temp. Sensor	90980–11413
[A]	[B]	[C]
A 8	ABS Actuator	90980–11009
A 9	ABS Speed Sensor Front LH	90980–10941
A10	ABS Speed Sensor Front RH	90980–11002
A11	Airbag Sensor Front LH	90980–11856
A12	Airbag Sensor Front RH	
A13		90980–11194
		90980–11

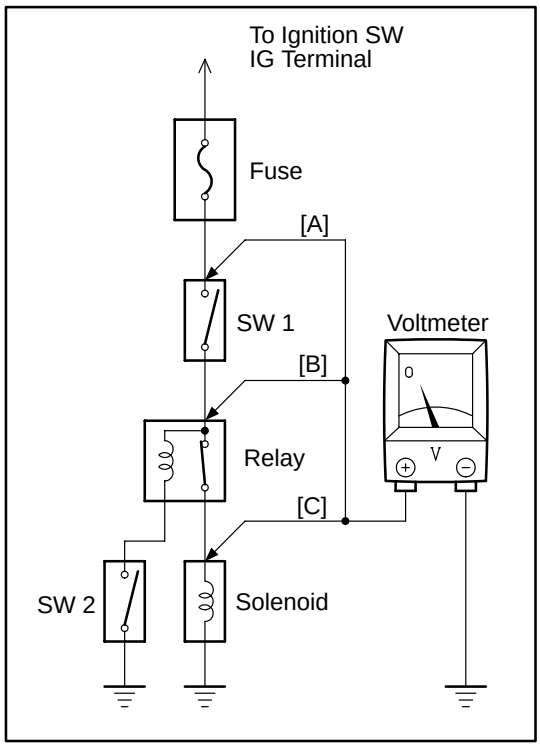
Code	Part Name	Part Number
D 4	Diode (Courtesy)	90980–11608
D 5	Diode (Interior Light)	90980–10962
D 6	Diode (Moon Roof)	90980–11608
D 7	Door Lock Control Relay	90980–10848
D 8	Door Lock Control SW LH	90980–11148
D 9	Door Lock Control SW RH	
D10	Door Courtesy SW LH	90980–11097
D11	Door Courtesy SW RH	
D12	Door Courtesy SW Front LH	90980–11156
D13	Door Courtesy SW Front RH	
D14	Door Courtesy SW Rear LH	
D15	Door Courtesy SW Rear RH	
D16	and Unlock SW LH	90980–11170
	RH	

[A] : Part Code

[B] : Part Name

[C] : Part Number
Toyota Part Number are indicated.

Not all of the above part numbers of the connector are established for the supply.

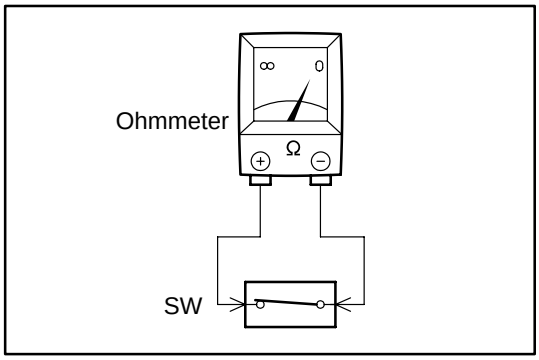


VOLTAGE CHECK

(a) Establish conditions in which voltage is present at the check point.

Example:
[A] – Ignition SW on
[B] – Ignition SW and SW 1 on
[C] – Ignition SW, SW 1 and Relay on (SW 2 off)

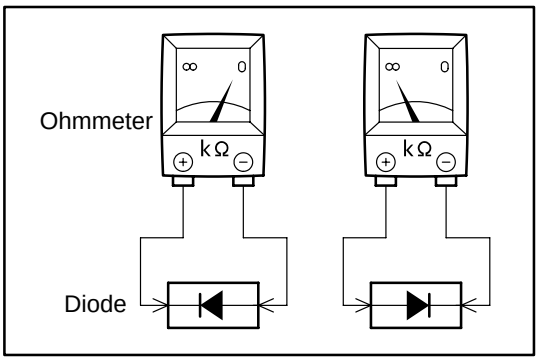
(b) Using a voltmeter, connect the negative lead to a good ground point or negative battery terminal, and the positive lead to the connector or component terminal.
This check can be done with a test light instead of a voltmeter.



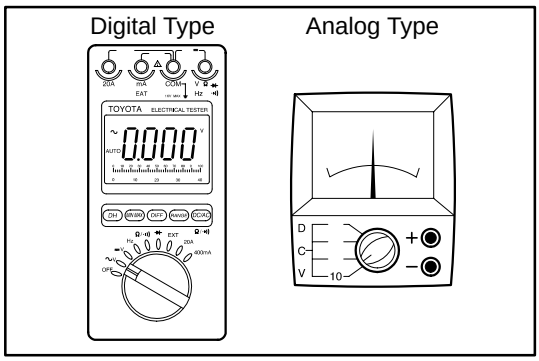
CONTINUITY AND RESISTANCE CHECK

(a) Disconnect the battery terminal or wire so there is no voltage between the check points.

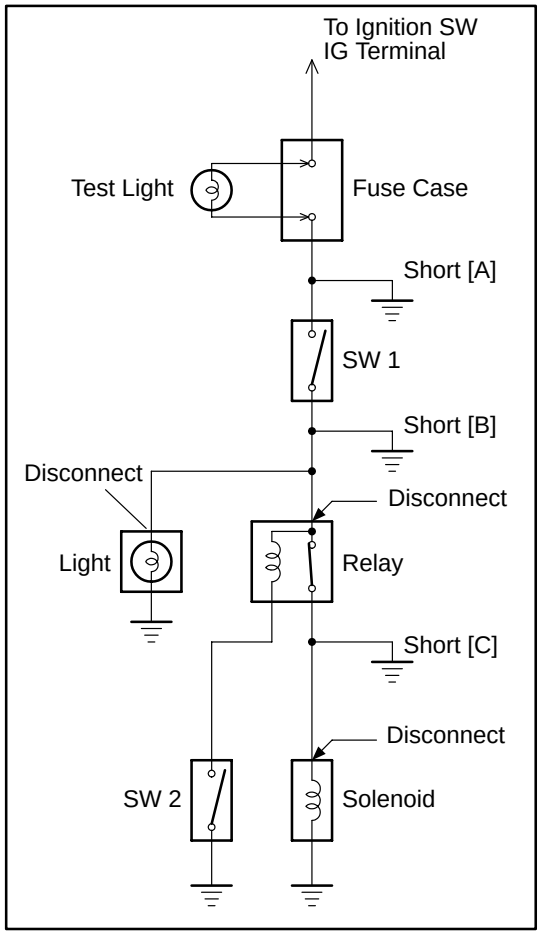
(b) Contact the two leads of an ohmmeter to each of the check points.



If the circuit has diodes, reverse the two leads and check again.
When contacting the negative lead to the diode positive side and the positive lead to the negative side, there should be continuity.
When contacting the two leads in reverse, there should be no continuity.



(c) Use a volt/ohmmeter with high impedance (10 kΩ/V minimum) for troubleshooting of the electrical circuit.



FINDING A SHORT CIRCUIT

(a) Remove the blown fuse and disconnect all loads of the fuse.

(b) Connect a test light in place of the fuse.

(c) Establish conditions in which the test light comes on.

Example:

[A] – Ignition SW on
[B] – Ignition SW and SW 1 on
[C] – Ignition SW, SW 1 and Relay on (Connect the Relay) and SW 2 off (or Disconnect SW 2)

(d) Disconnect and reconnect the connectors while watching the test light.
The short lies between the connector where the test light stays lit and the connector where the light goes out.

(e) Find the exact location of the short by lightly shaking the problem wire along the body.

CAUTION:

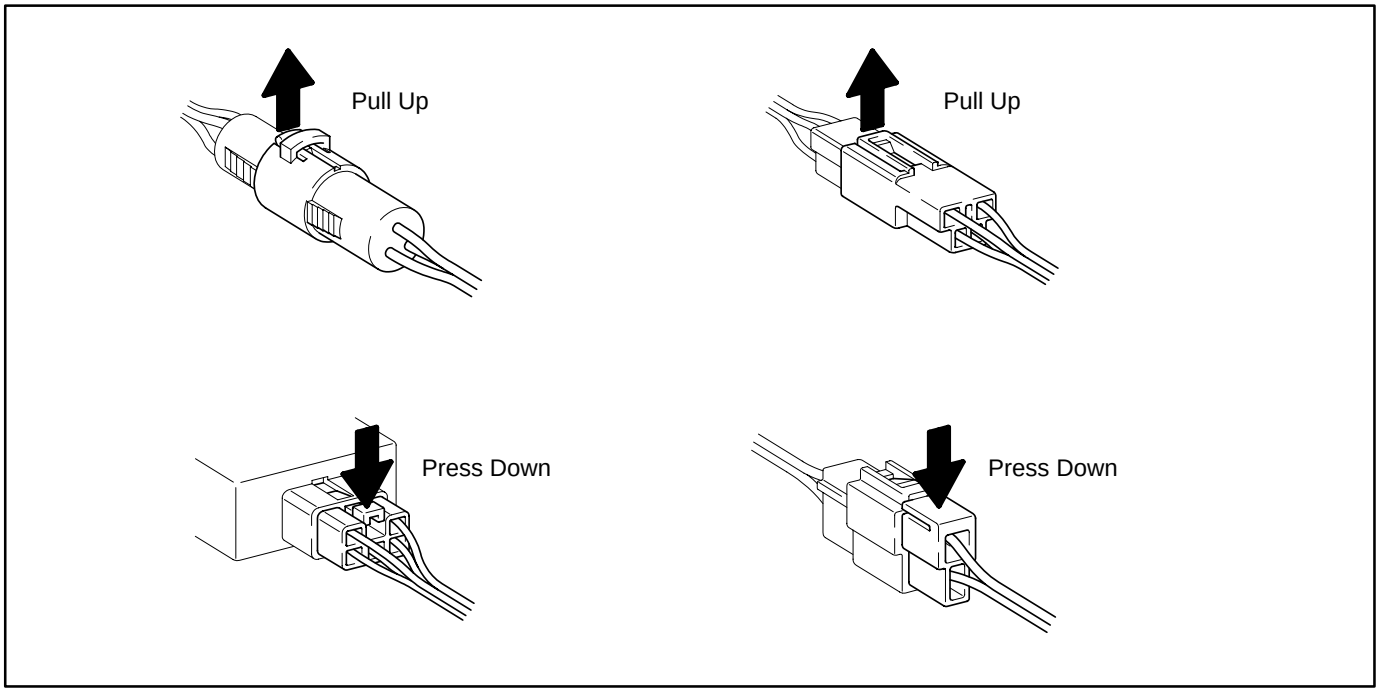
(a) Do not open the cover or the case of the ECU unless absolutely necessary. (If the IC terminals are touched, the IC may be destroyed by static electricity.)

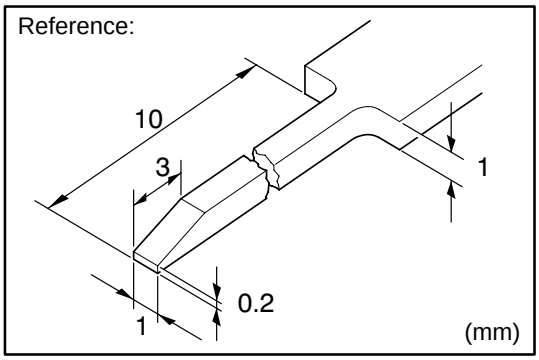
(b) When replacing the internal mechanism (ECU part) of the digital meter, be careful that no part of your body or clothing comes in contact with the terminals of leads from the IC, etc. of the replacement part (spare part).

DISCONNECTION OF MALE AND FEMALE CONNECTORS

To pull apart the connectors, pull on the connector itself, not the wire harness.

HINT : Check to see what kind of connector you are disconnecting before pulling apart.



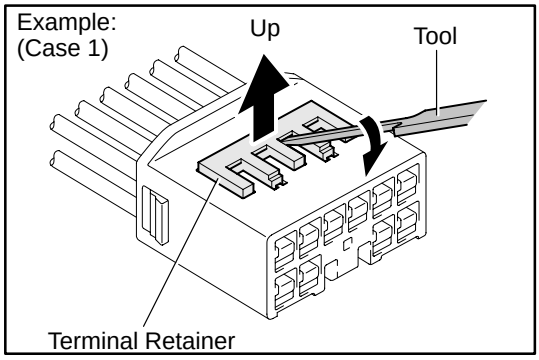


HOW TO REPLACE TERMINAL (with terminal retainer or secondary locking device)

1. PREPARE THE SPECIAL TOOL

   HINT : To remove the terminal from the connector, please construct and use the special tool or like object shown on the left.

2. DISCONNECT CONNECTOR

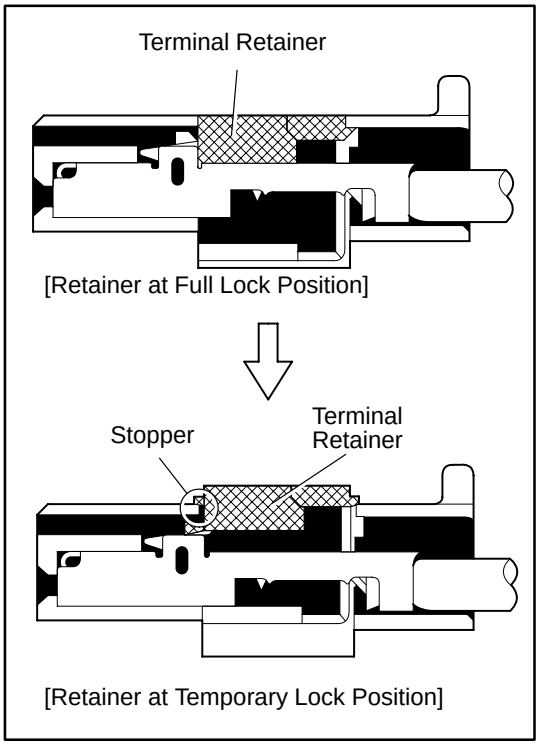


3. DISENGAGE THE SECONDARY LOCKING DEVICE OR TERMINAL RETAINER.

   (a) Locking device must be disengaged before the terminal locking clip can be released and the terminal removed from the connector.

   (b) Use a special tool or the terminal pick to unlock the secondary locking device or terminal retainer.

   NOTICE:
   Do not remove the terminal retainer from connector body.

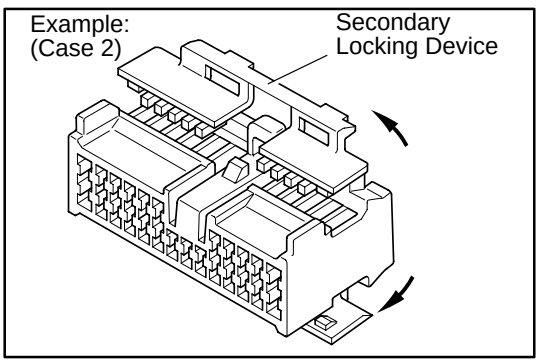


[A] For Non–Waterproof Type Connector

HINT : The needle insertion position varies according to the connector's shape (number of terminals etc.), so check the position before inserting it.

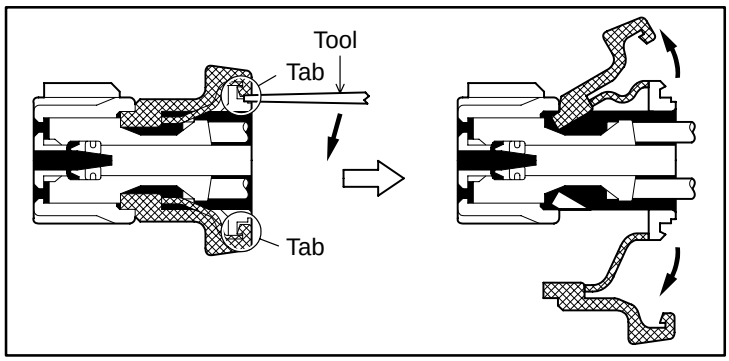
"Case 1"

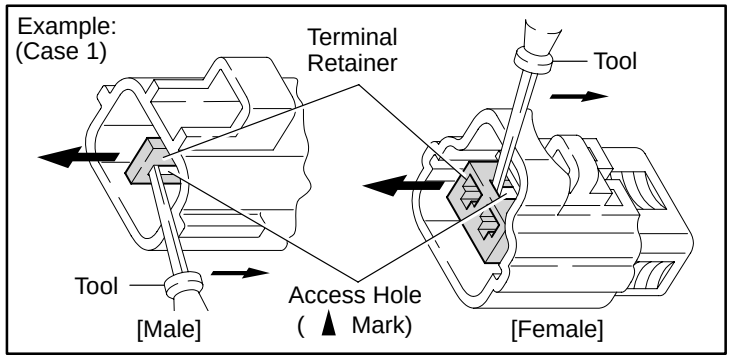
Raise the terminal retainer up to the temporary lock position.



"Case 2"

Open the secondary locking device.



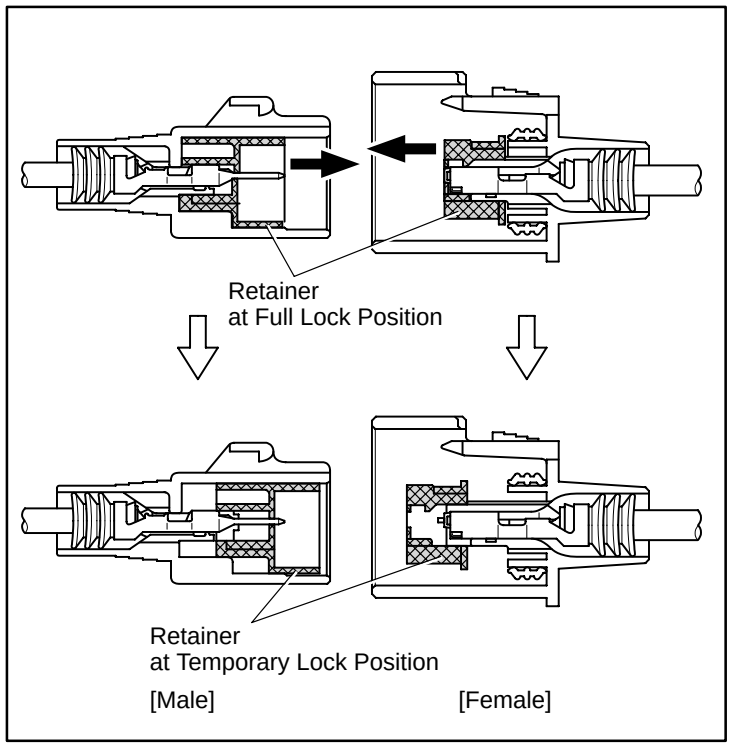


[B] For Waterproof Type Connector

HINT : Terminal retainer color is different according to connector body.

Example:

Terminal Retainer	:	Connector Body
Black or White	:	Gray
Black or White	:	Dark Gray
Gray or White	:	Black

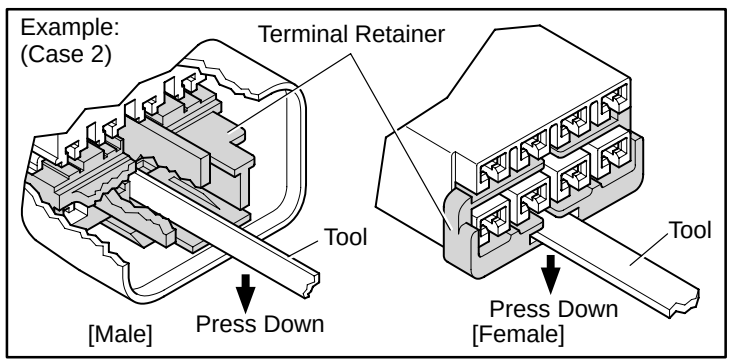


”Case 1”

Type where terminal retainer is pulled up to the temporary lock position (Pull Type).

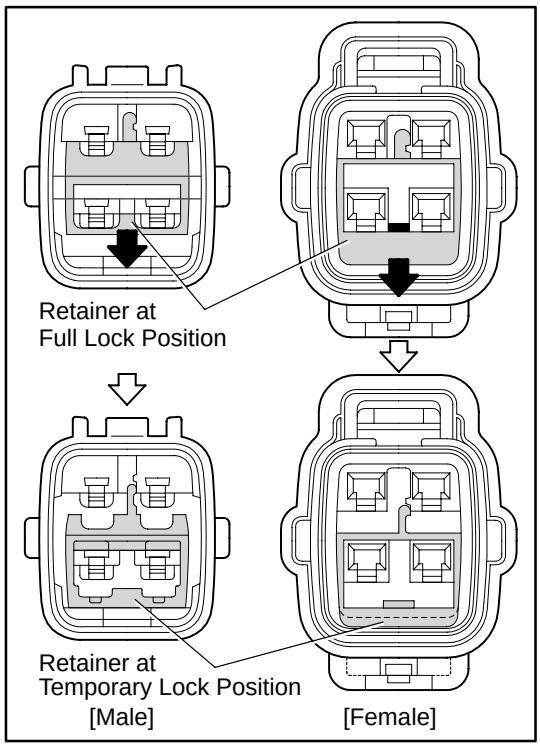
Insert the special tool into the terminal retainer access hole (▲Mark) and pull the terminal retainer up to the temporary lock position.

HINT : The needle insertion position varies according to the connector’s shape (Number of terminals etc.), so check the position before inserting it.

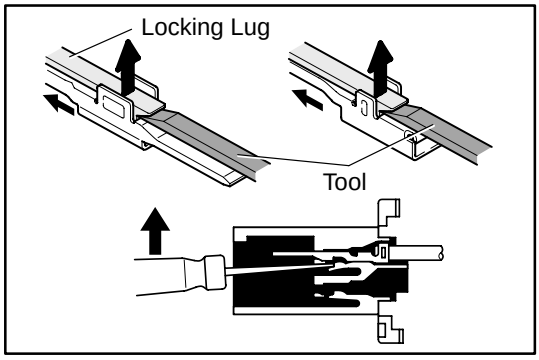


”Case 2”

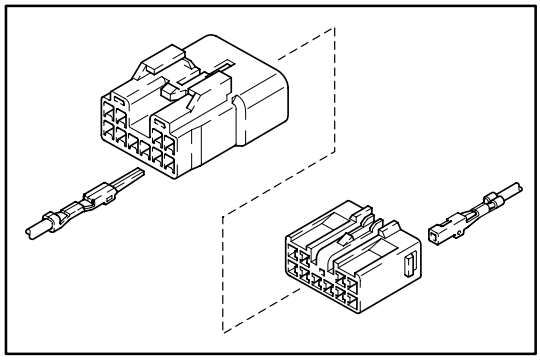
Type which cannot be pulled as far as Power Lock insert the tool straight into the access hole of terminal retainer as shown.



Push the terminal retainer down to the temporary lock position.



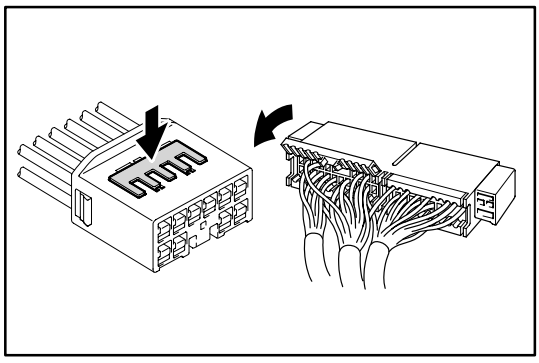
(c) Release the locking lug from terminal and pull the terminal out from rear.



4. INSTALL TERMINAL TO CONNECTOR

(a) Insert the terminal.

HINT:
1. Make sure the terminal is positioned correctly.
2. Insert the terminal until the locking lug locks firmly.
3. Insert the terminal with terminal retainer in the temporary lock position.



(b) Push the secondary locking device or terminal retainer in to the full lock position.

5. CONNECT CONNECTOR

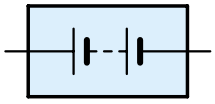
ABBREVIATIONS

The following abbreviations are used in this manual.

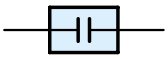
A/C	=	Air Conditioner
A/T	=	Automatic Transaxle
ABS	=	Anti–Lock Brake System
CIS	=	Commonwealth of Independent States
DLC3	=	Data Link Connector 3
EC	=	Electrochromic
ECT	=	Electronic Control Transmission
ECU	=	Electronic Control Unit
EFI	=	Electronic Fuel Injection
EGR	=	Exhaust Gas Recirculation
EPS	=	Electric Power Steering
ESA	=	Electronic Spark Advance
EVAP	=	Evaporative Emission
HID	=	High Intensity Discharge
INT	=	Intermittent
ISC	=	Idle Speed Control
J/B	=	Junction Block
L/B	=	Liftback Type
LH	=	Left–Hand
LHD	=	Left–Hand Drive
M/T	=	Manual Transaxle
PTC	=	Positive Temperature Coefficient
R/B	=	Relay Block
RH	=	Right–Hand
RHD	=	Right–Hand Drive
S/D	=	Sedan Type
SRS	=	Supplemental Restraint System
SW	=	Switch
TEMP.	=	Temperature
TRC	=	Traction Control
VRV	=	Vacuum Regulating Valve
VSC	=	Vehicle Stability Control
VSV	=	Vacuum Switching Valve
VVT	=	Variable Valve Timing
VVT–i	=	Variable Valve Timing–intelligent
W/G	=	Wagon Type
w/	=	With
w/o	=	Without

* The titles given inside the components are the names of the terminals (terminal codes) and are not treated as being abbreviations.

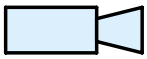
E GLOSSARY OF TERMS AND SYMBOLS



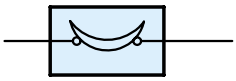
BATTERY
Stores chemical energy and converts it into electrical energy. Provides DC current for the auto's various electrical circuits.



CAPACITOR (Condenser)
A small holding unit for temporary storage of electrical voltage.



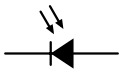
CIGARETTE LIGHTER
An electric resistance heating element.



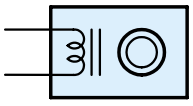
CIRCUIT BREAKER
Basically a reusable fuse, a circuit breaker will heat and open if too much current flows through it. Some units automatically reset when cool, others must be manually reset.

DIODE
A semiconductor which allows current flow in only one direction.

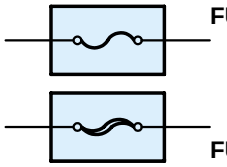
DIODE, ZENER
A diode which allows current flow in one direction but blocks reverse flow only up to a specific voltage. Above that potential, it passes the excess voltage. This acts as a simple voltage regulator.



PHOTODIODE
The photodiode is a semiconductor which controls the current flow according to the amount of light.



DISTRIBUTOR, IIA
Channels high–voltage current from the ignition coil to the individual spark plugs.



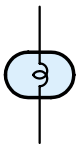
FUSE
A thin metal strip which burns through when too much current flows through it, thereby stopping current flow and protecting a circuit from damage.

(for Medium Current Fuse)

FUSIBLE LINK
A heavy–gauge wire placed in high amperage circuits which burns through on overloads, thereby protecting the circuit. The numbers indicate the crosssection surface area of the wires.

(for High Current Fuse or Fusible Link)

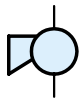
GROUND
The point at which wiring attaches to the Body, thereby providing a return path for an electrical circuit; without a ground, current cannot flow.



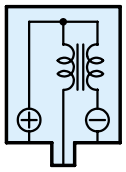
1. SINGLE FILAMENT

2. DOUBLE FILAMENT

HEADLIGHTS
Current flow causes a headlight filament to heat up and emit light. A headlight may have either a single (1) filament or a double (2) filament



HORN
An electric device which sounds a loud audible signal.

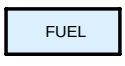


IGNITION COIL
Converts low–voltage DC current into high–voltage ignition current for firing the spark plugs.

LIGHT
Current flow through a filament causes the filament to heat up and emit light.

LED (LIGHT EMITTING DIODE)
Upon current flow, these diodes emit light without producing the heat of a comparable light.

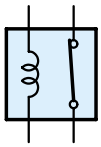
METER, ANALOG
Current flow activates a magnetic coil which causes a needle to move, thereby providing a relative display against a background calibration.



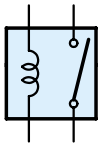
METER, DIGITAL
Current flow activates one or many LED's, LCD's, or fluorescent displays, which provide a relative or digital display.

MOTOR
A power unit which converts electrical energy into mechanical energy, especially rotary motion.

RELAY



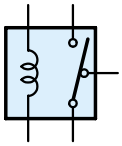
1. NORMALLY CLOSED



2. NORMALLY OPEN

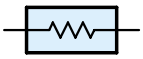
Basically, an electrically operated switch which may be normally closed (1) or open (2).
Current flow through a small coil creates a magnetic field which either opens or closes an attached switch.

RELAY, DOUBLE THROW



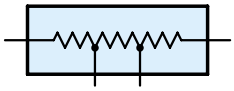
A relay which passes current through one set of contacts or the other.

RESISTOR



An electrical component with a fixed resistance, placed in a circuit to reduce voltage to a specific value.

RESISTOR, TAPPED

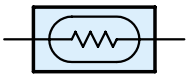


A resistor which supplies two or more different non adjustable resistance values.

RESISTOR, VARIABLE or RHEOSTAT

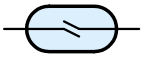
A controllable resistor with a variable rate of resistance.
Also called a potentiometer or rheostat.

SENSOR (Thermistor)



A resistor which varies its resistance with temperature.

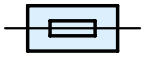
SENSOR, SPEED



(Reed Switch Type)

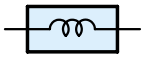
Uses magnetic impulses to open and close a switch to create a signal for activation of other components.

SHORT PIN



Used to provide an unbroken connection within a junction block.

SOLENOID

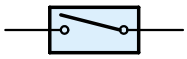


An electromagnetic coil which forms a magnetic field when current flows, to move a plunger, etc.

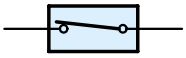
SPEAKER

An electromechanical device which creates sound waves from current flow.

SWITCH, MANUAL



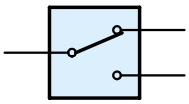
1. NORMALLY OPEN



2. NORMALLY CLOSED

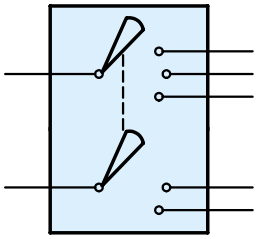
Opens and closes circuits, thereby stopping (1) or allowing (2) current flow.

SWITCH, DOUBLE THROW



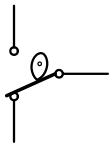
A switch which continuously passes current through one set of contacts or the other.

SWITCH, IGNITION



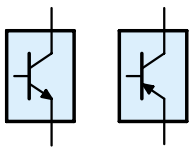
A key operated switch with several positions which allows various circuits, particularly the primary ignition circuit, to become operational.

SWITCH, WIPER PARK



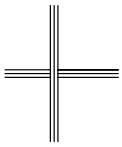
Automatically returns wipers to the stop position when the wiper switch is turned off.

TRANSISTOR

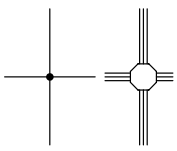


A solidstate device typically used as an electronic relay; stops or passes current depending on the voltage applied at ”base”.

WIRES



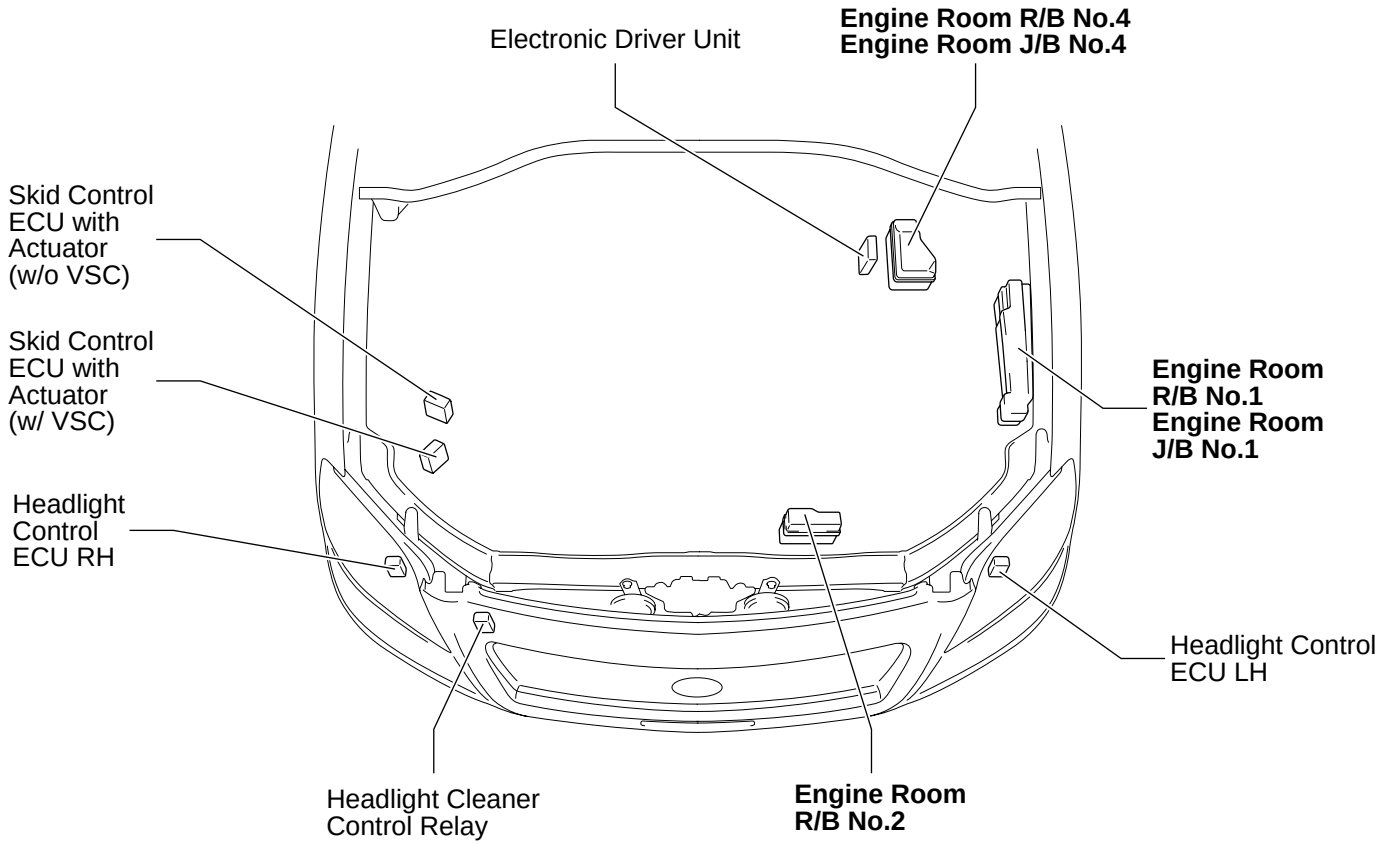
(1) NOT CONNECTED



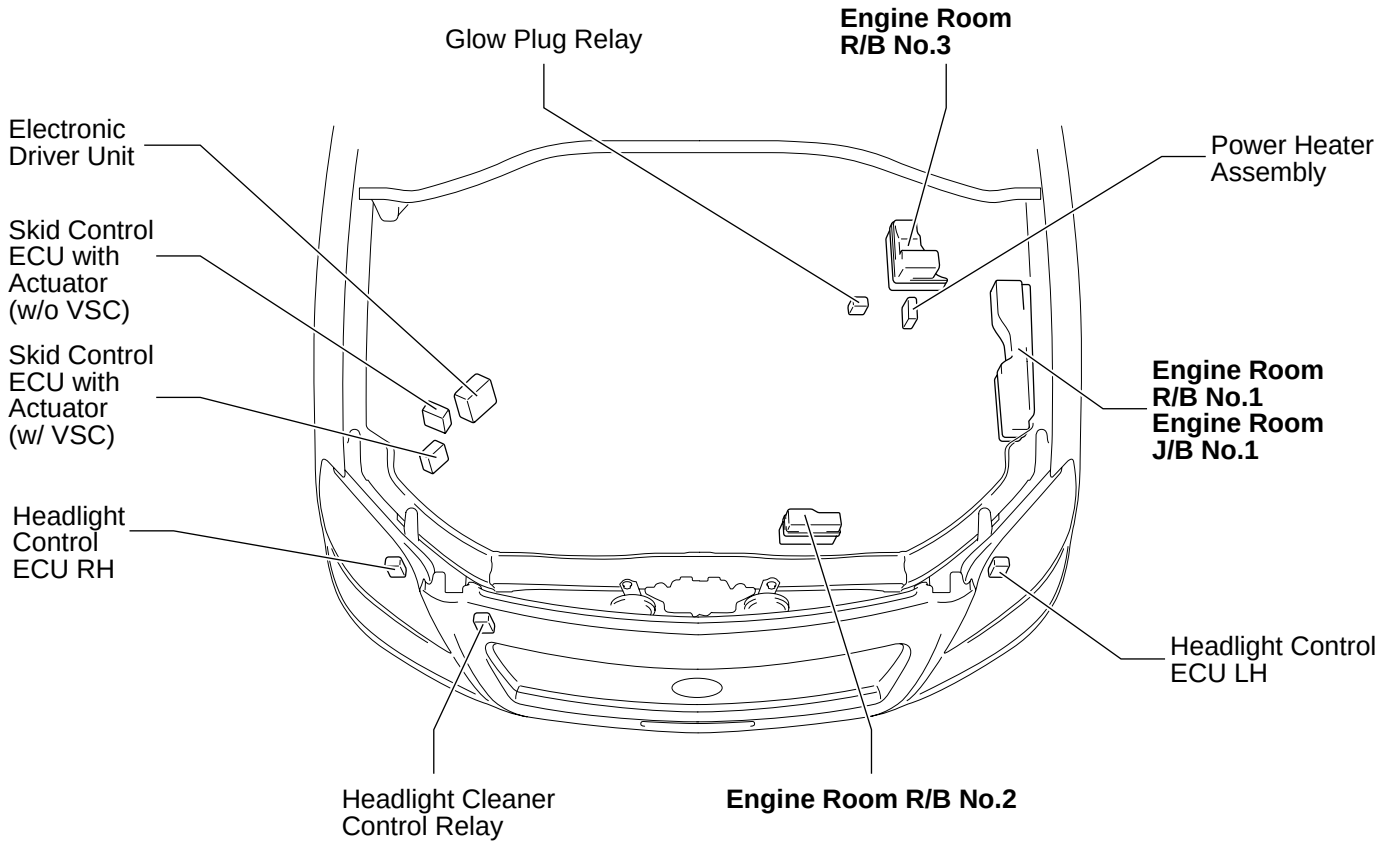
(2) SPLICED

Wires are always drawn as straight lines on wiring diagrams.
Crossed wires (1) without a black dot at the junction are not joined;
crossed wires (2) with a black dot or octagonal (⬡) mark at the junction are spliced (joined) connections.

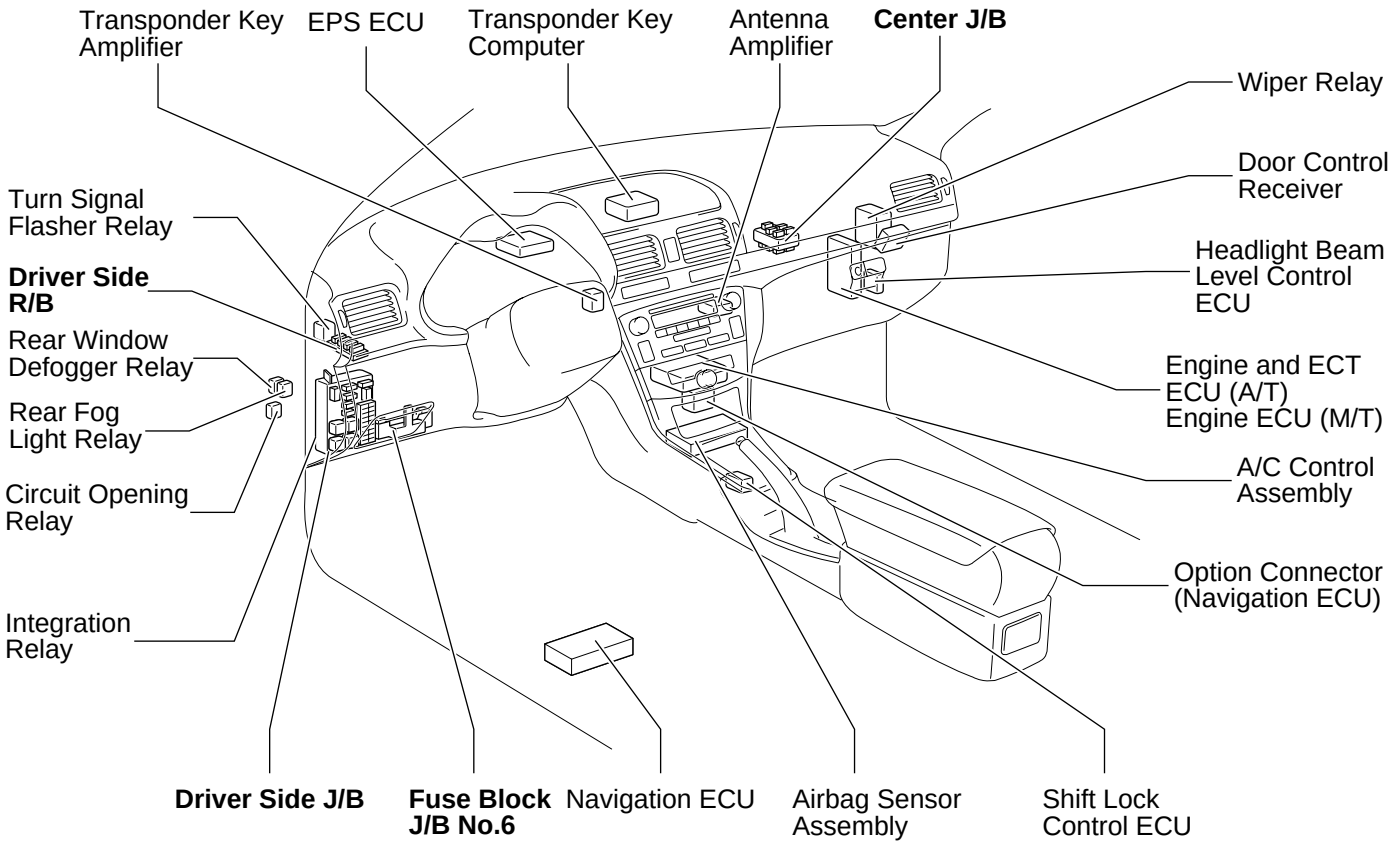
[Engine Compartment]
(Gasoline)



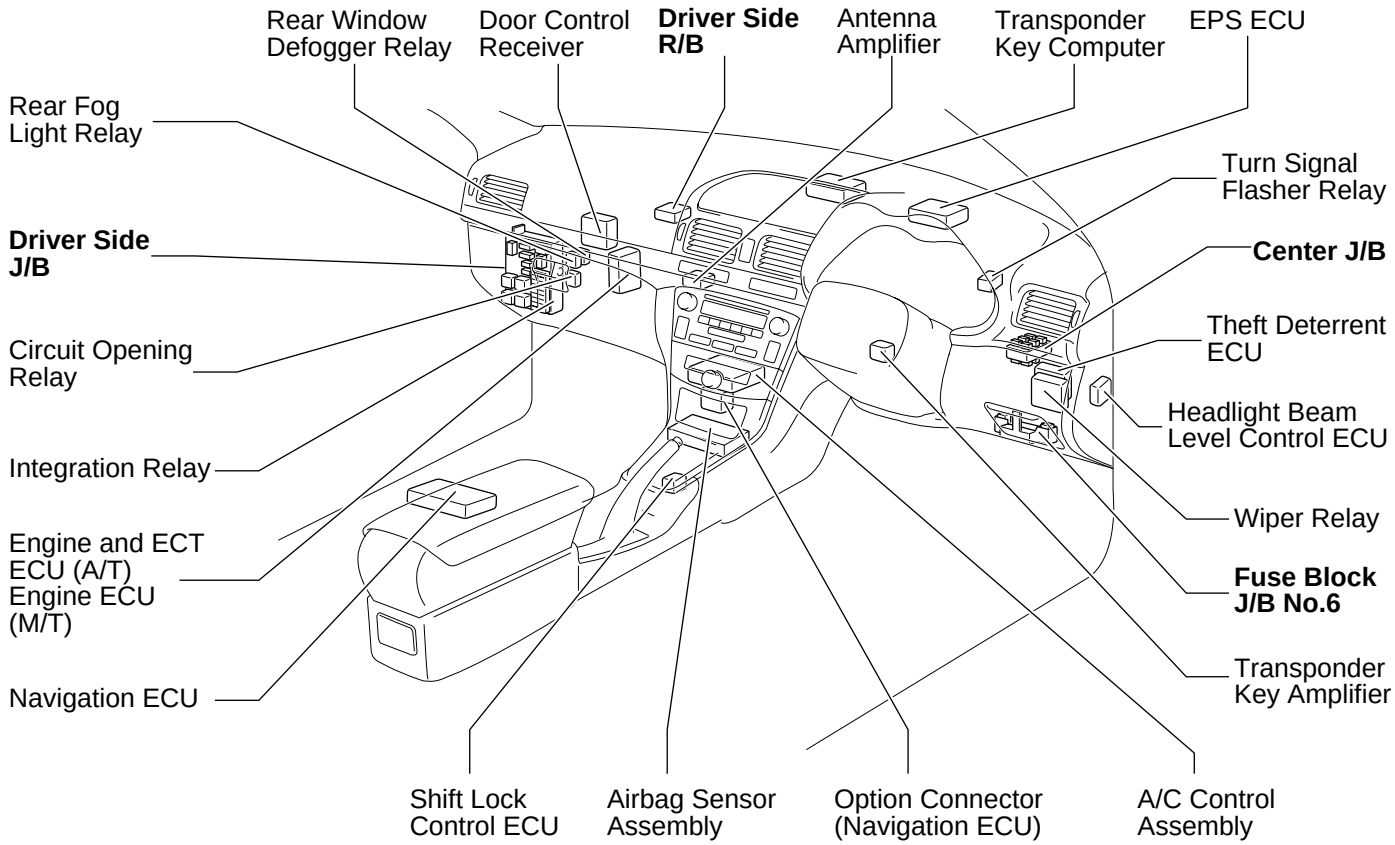
(1CD–FTV)



[Instrument Panel]
(LHD)

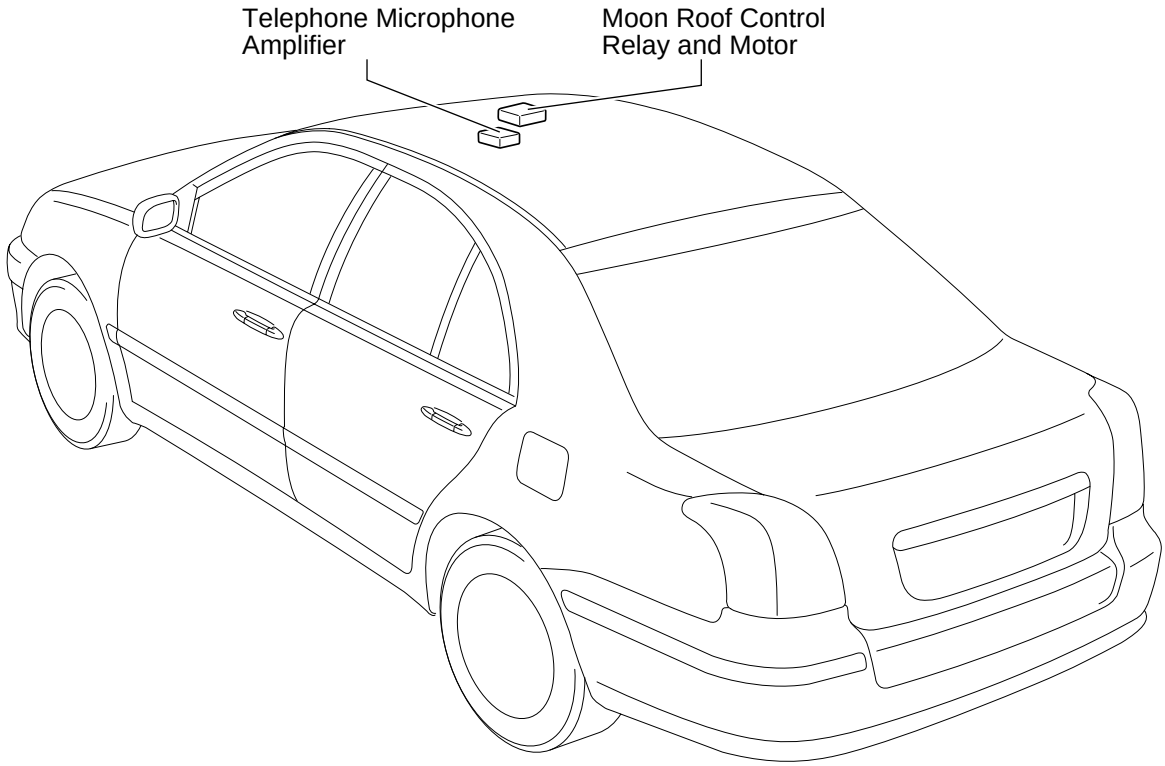


(RHD)

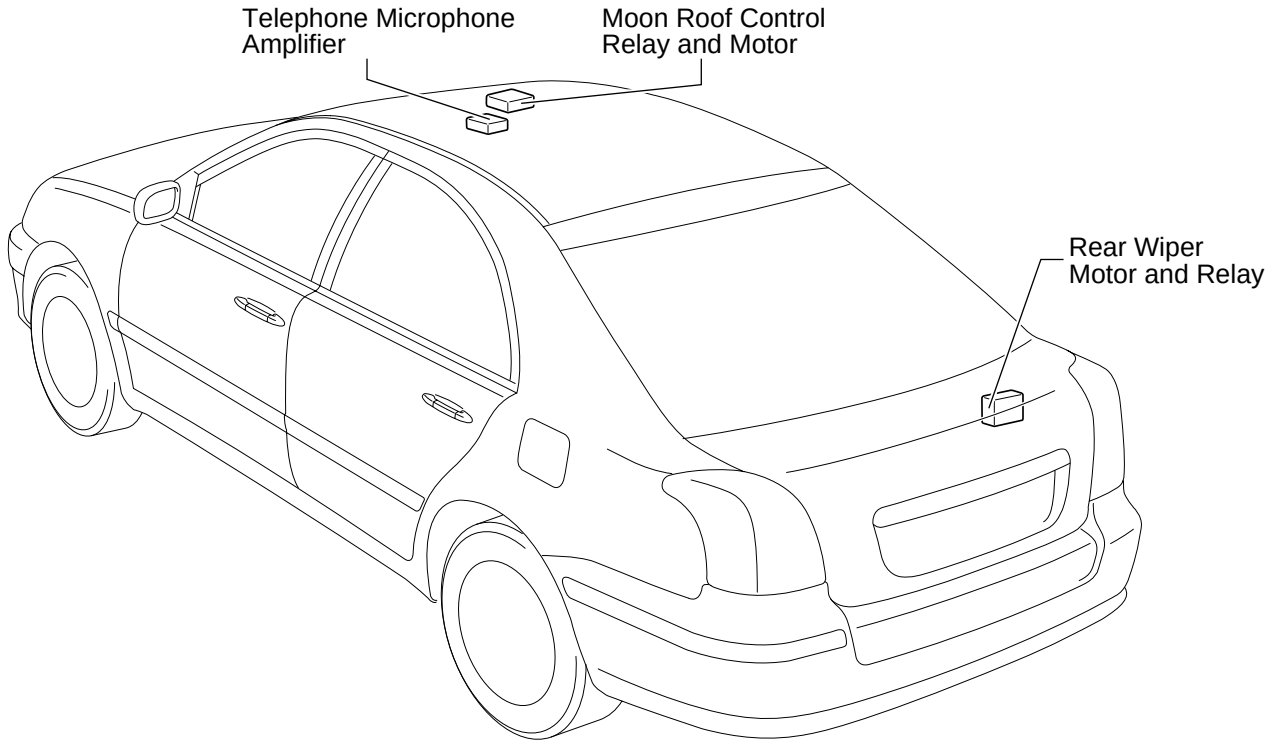


F RELAY LOCATIONS

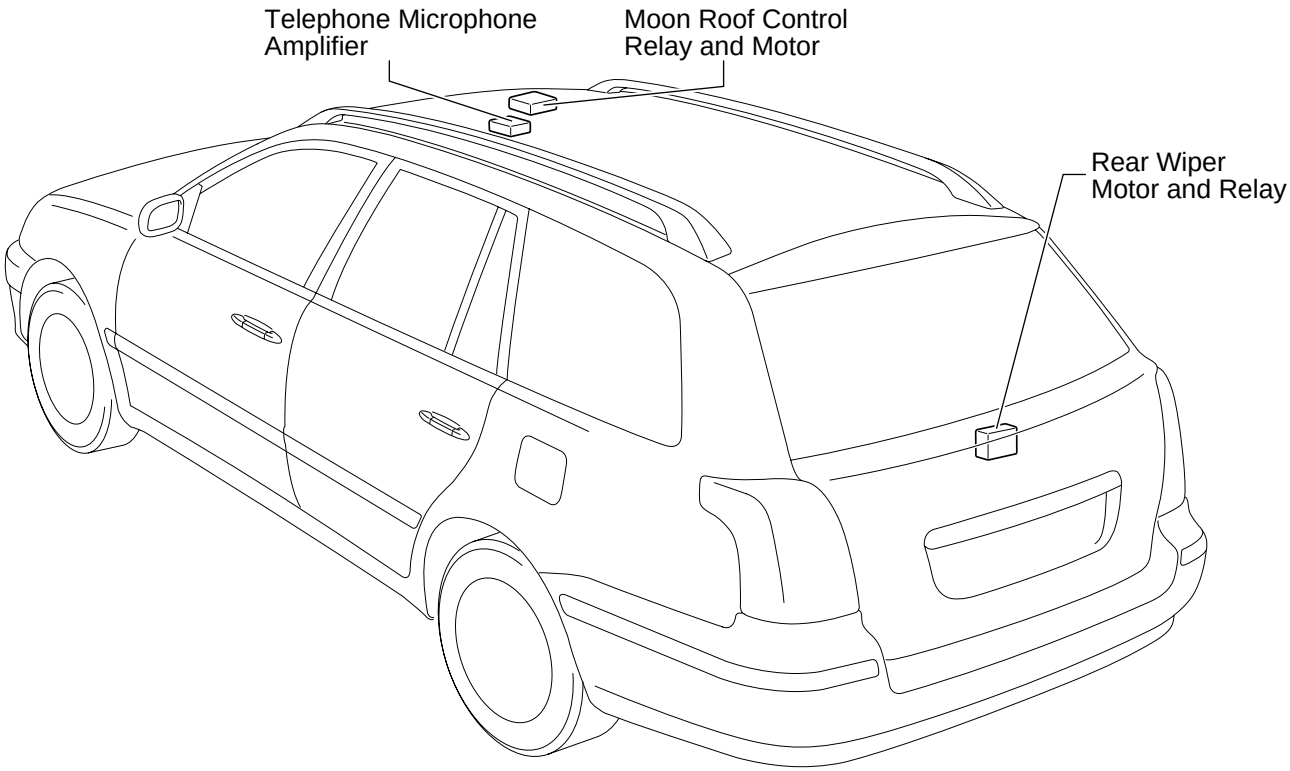
[Body]
(S/D)



(L/B)



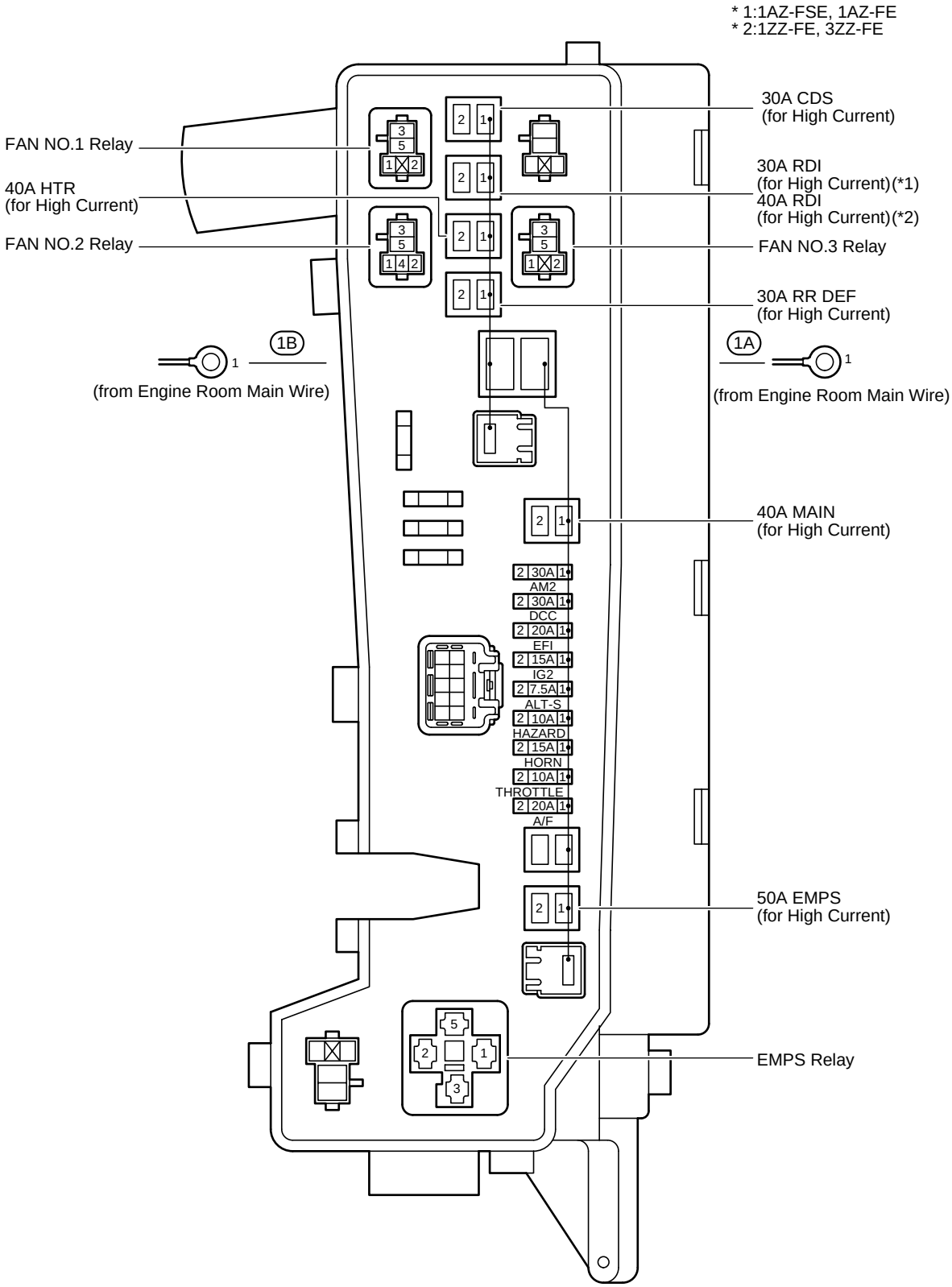
(W/G)


Telephone Microphone Amplifier
Moon Roof Control Relay and Motor
Rear Wiper Motor and Relay

F RELAY LOCATIONS

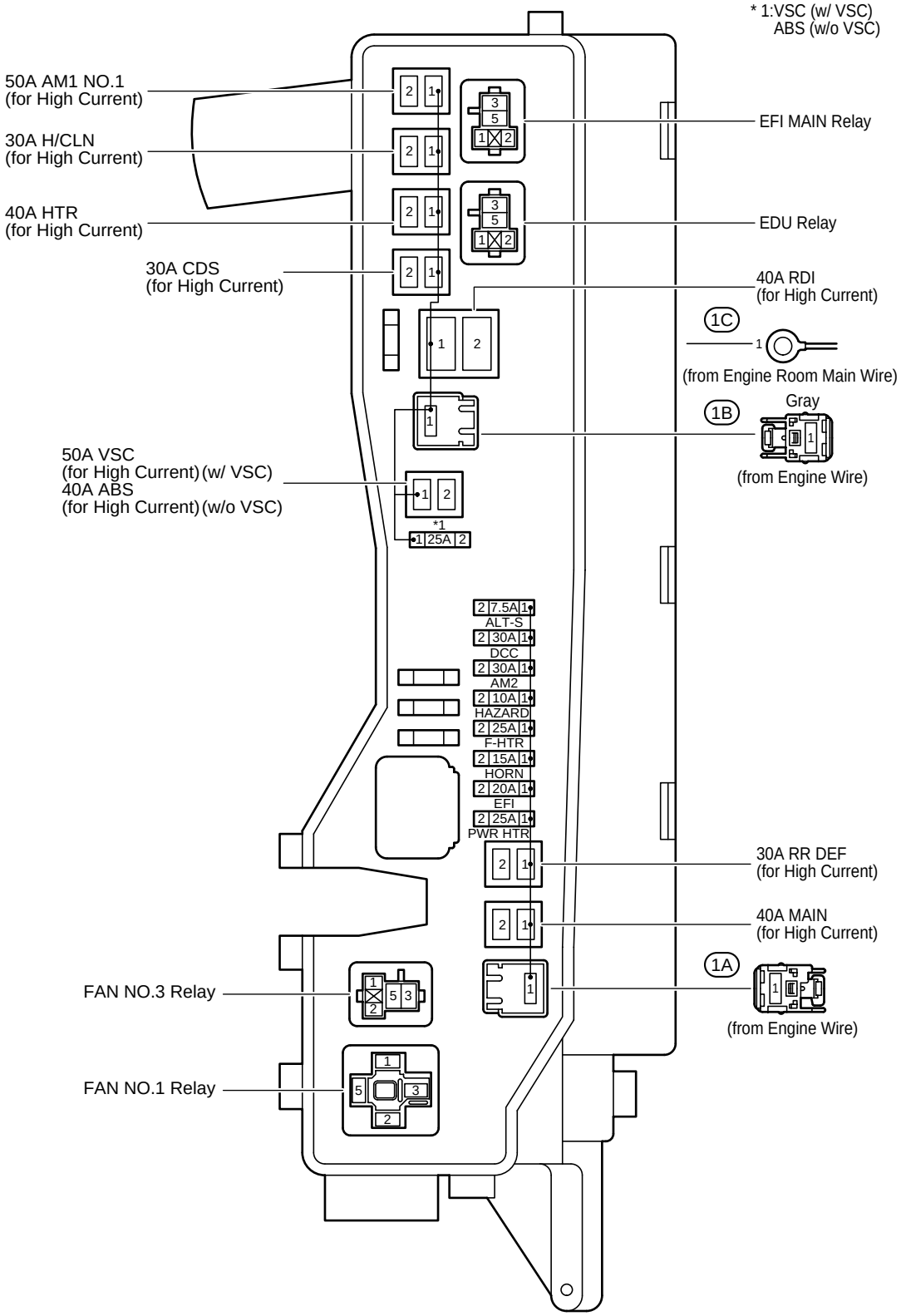
① : Engine Room R/B No.1 ⬭ : Engine Room J/B No.1	Engine Compartment Left (See Page 20)

(Gasoline)



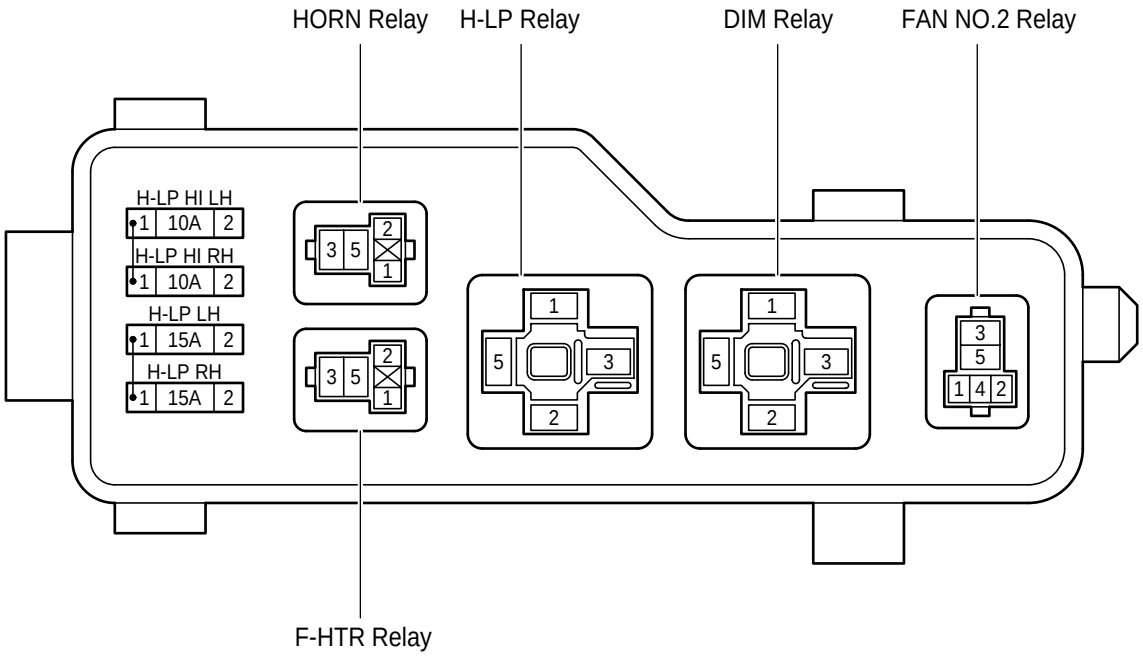
① : Engine Room R/B No.1 ⬭ : Engine Room J/B No.1	Engine Compartment Left (See Page 20)

(1CD–FTV)



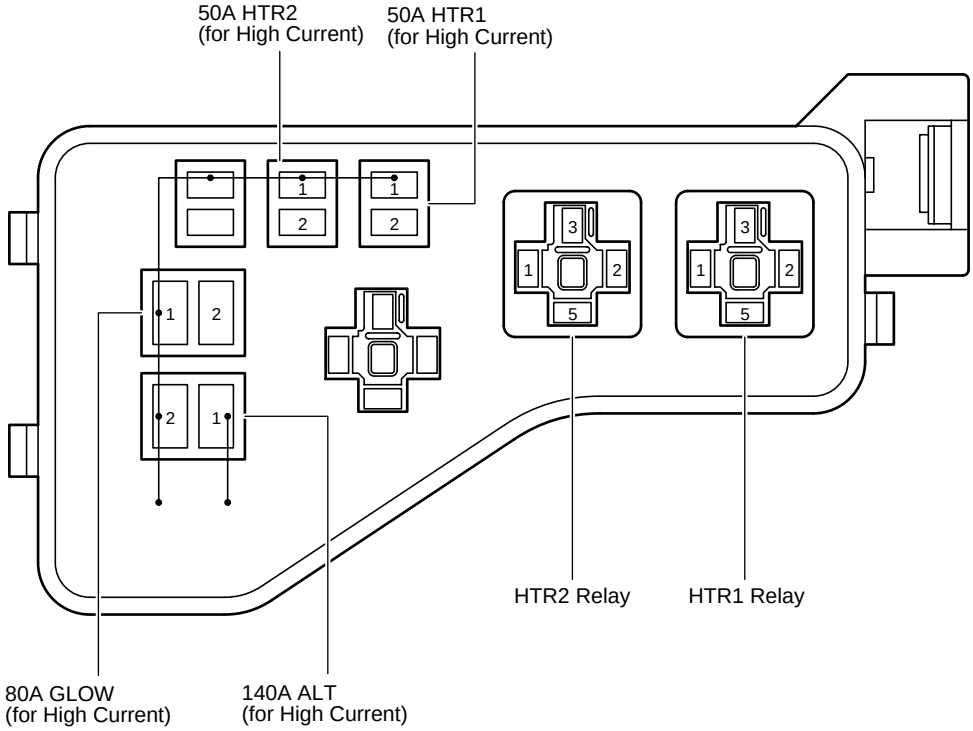
F RELAY LOCATIONS

② : Engine Room R/B No.2	Near the Radiator Fan (See Page 20)



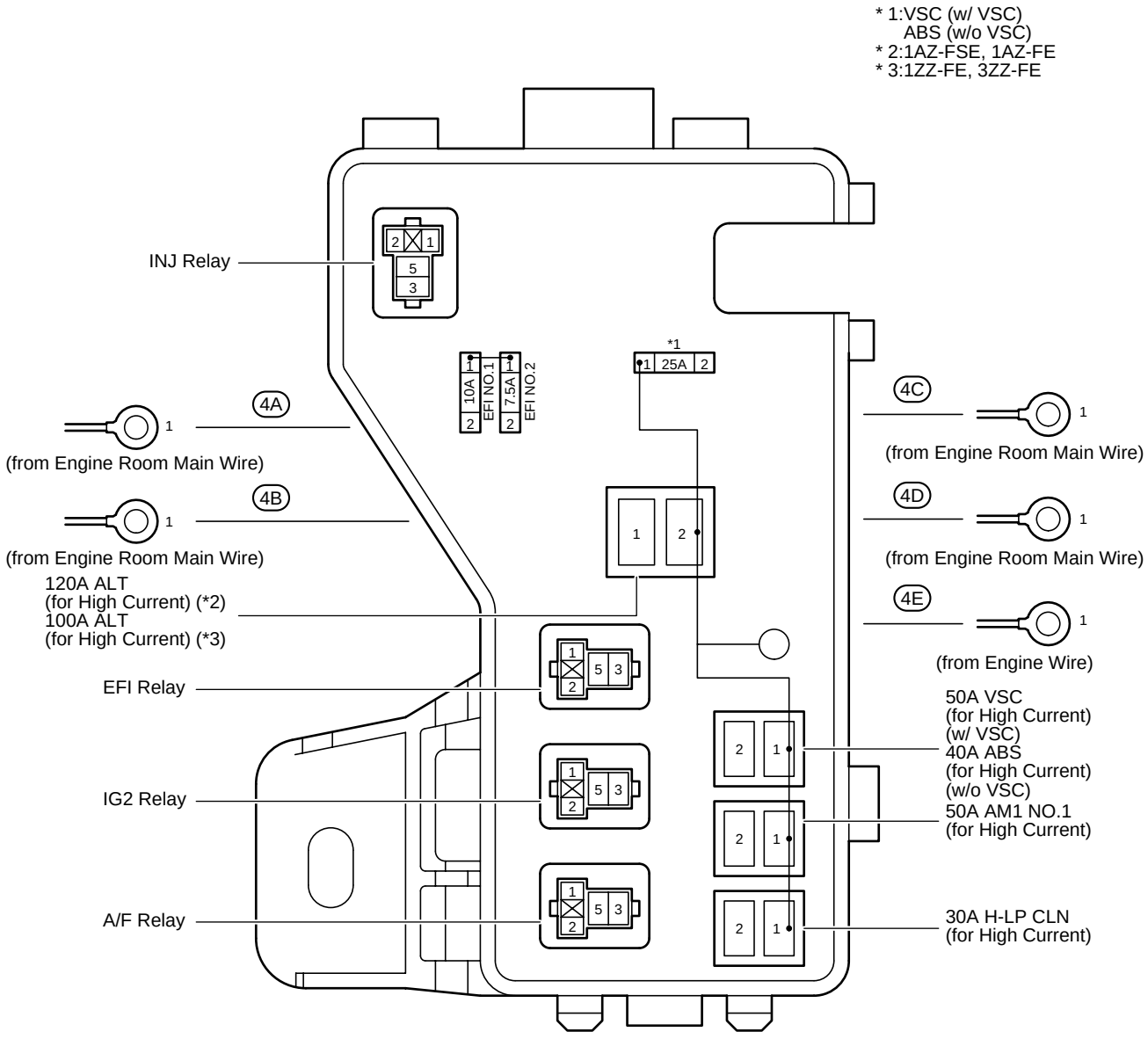
③ : Engine Room R/B No.3	Left Side of the Suspension Tower (See Page 20)

(1CD–FTV)



④ : Engine Room R/B No.4 ⬭ : Engine Room J/B No.4	Left Side of the Suspension Tower (See Page 20)

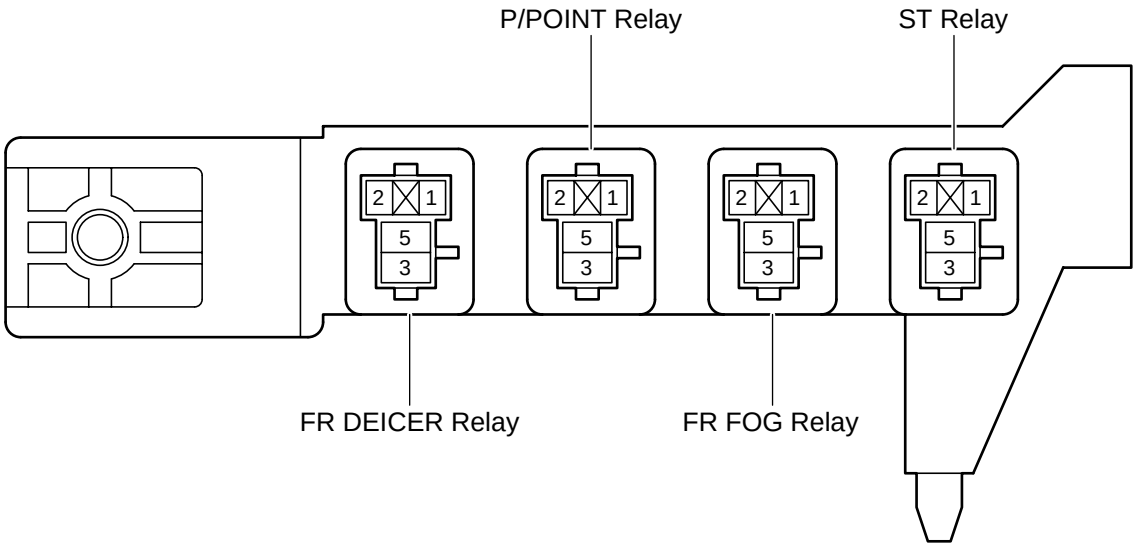
(Gasoline)



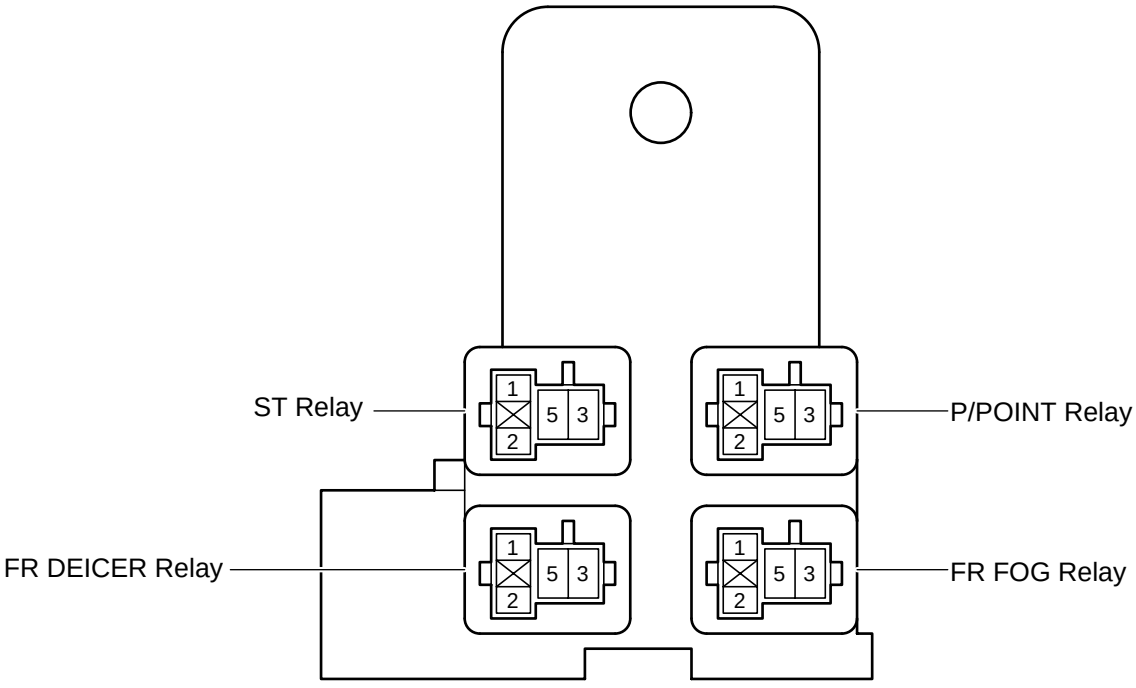
F RELAY LOCATIONS

⑤ : Driver Side R/B	LHD : Left Side of the Instrument Panel (See Page 21)
	RHD : Instrument Panel Reinforcement LH (See Page 21)

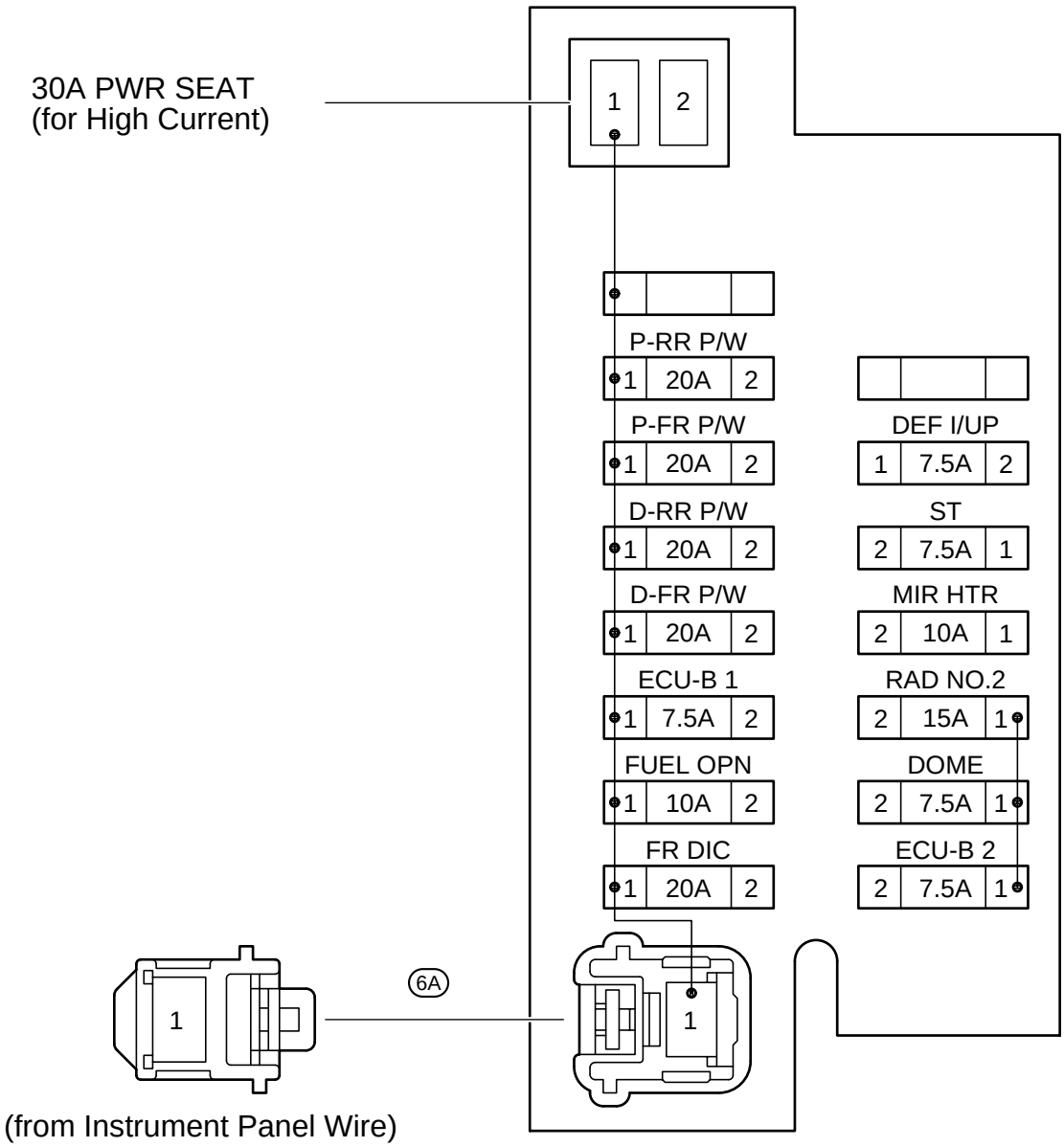
(LHD)



(RHD)

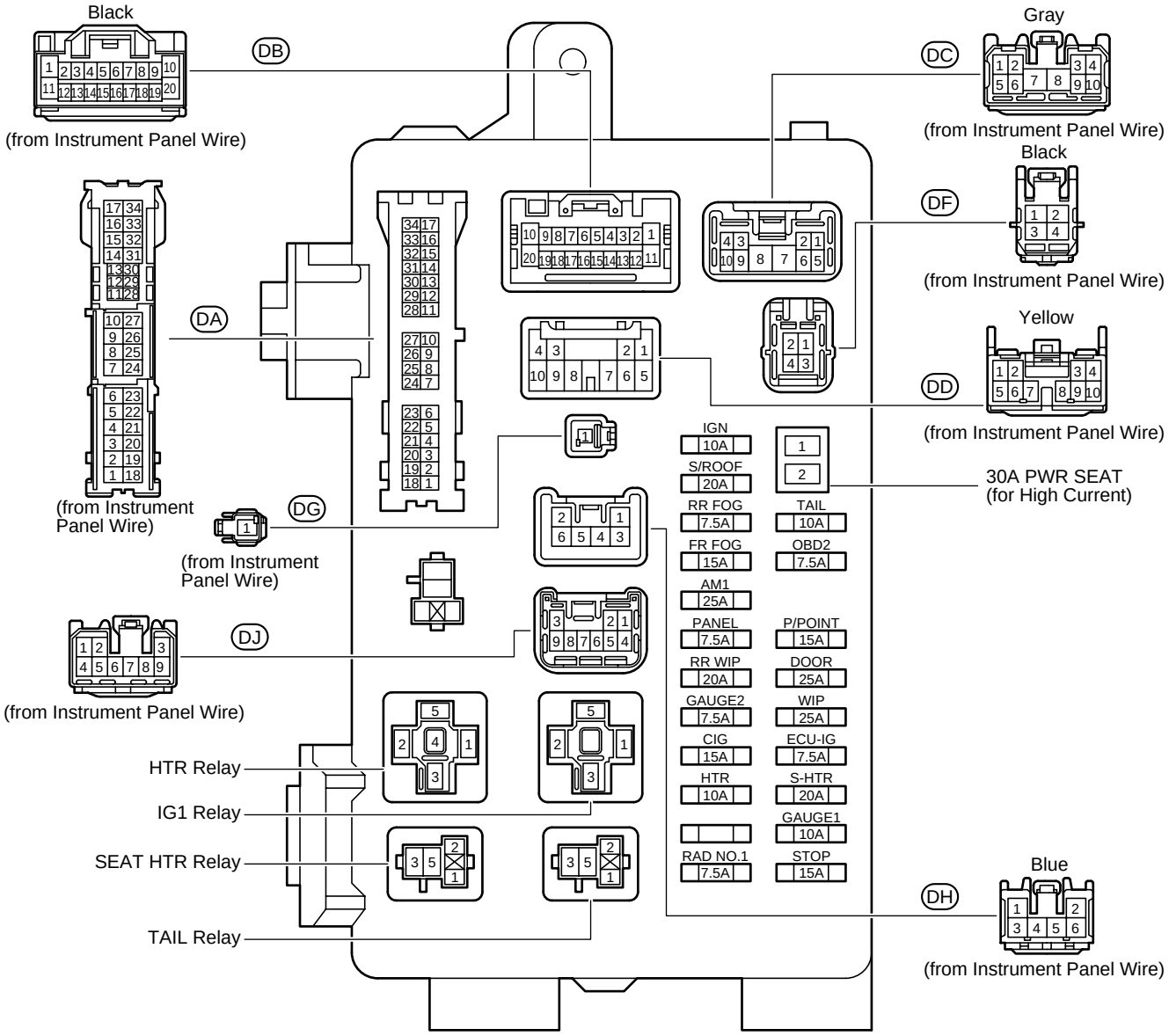


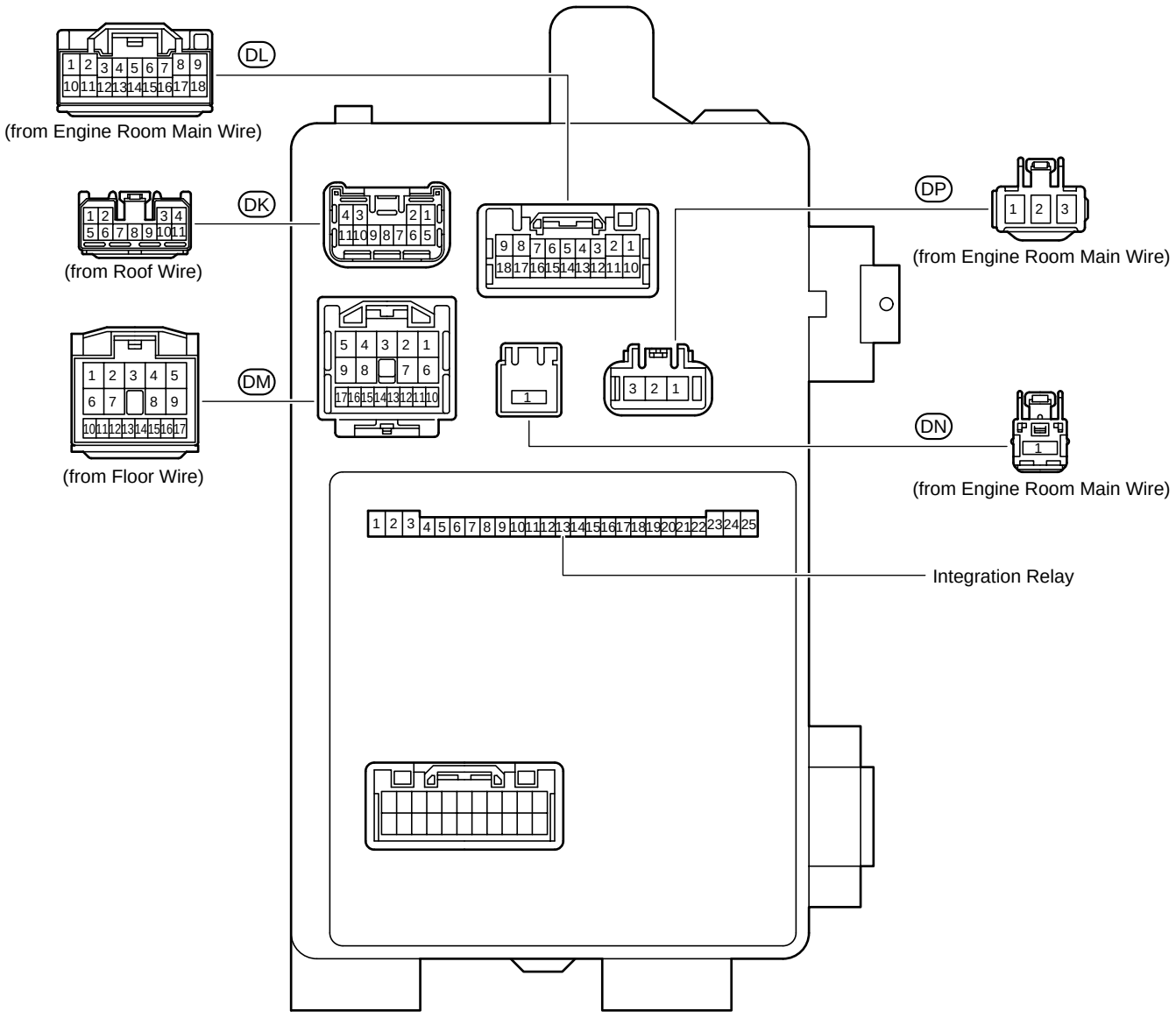
⑥ : Fuse Block ⬭ : J/B No.6	Lower Finish Panel (See Page 21)



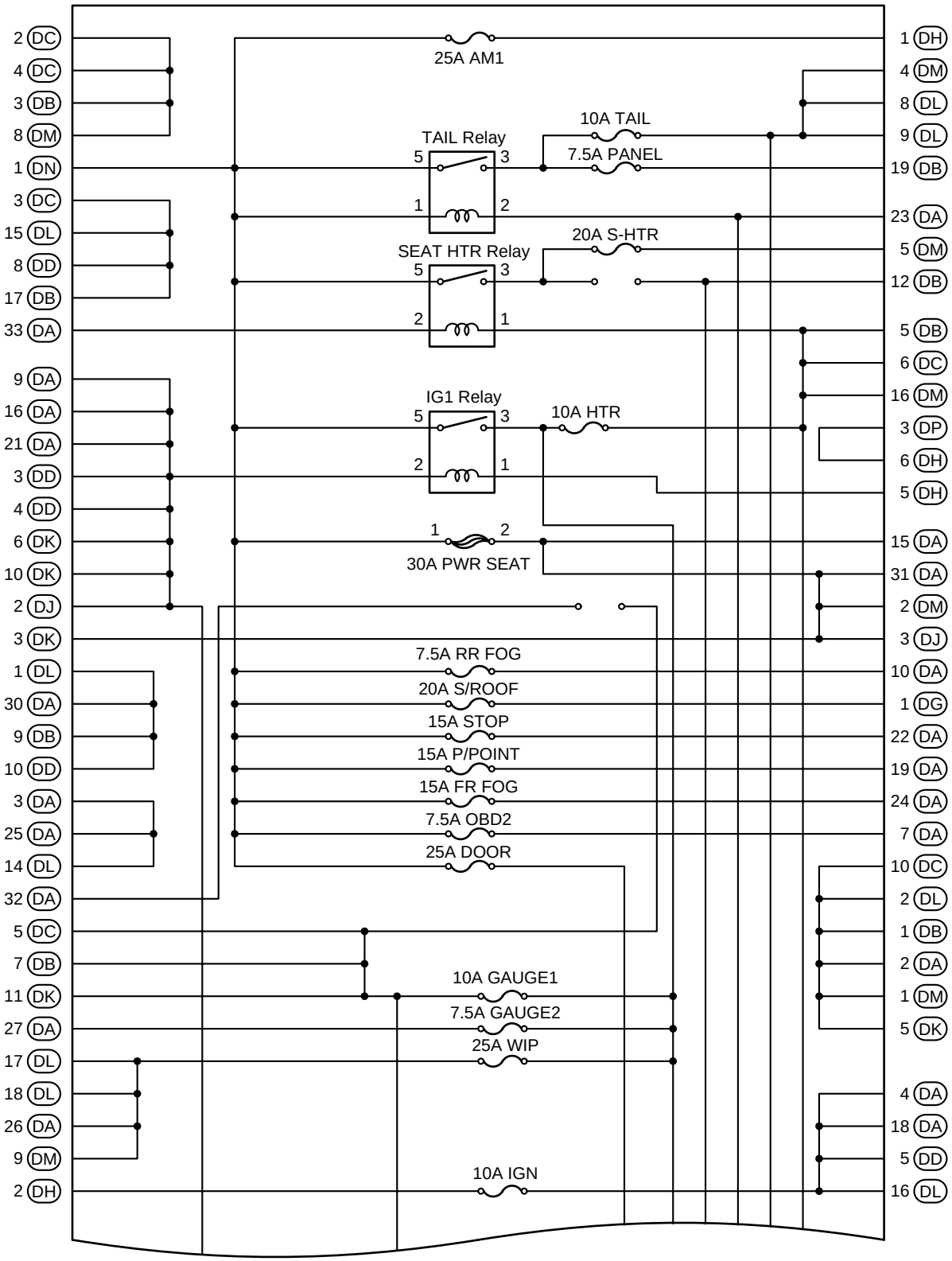
F RELAY LOCATIONS

: Driver Side J/B	Left Side of the Instrument Panel (See Page 21)



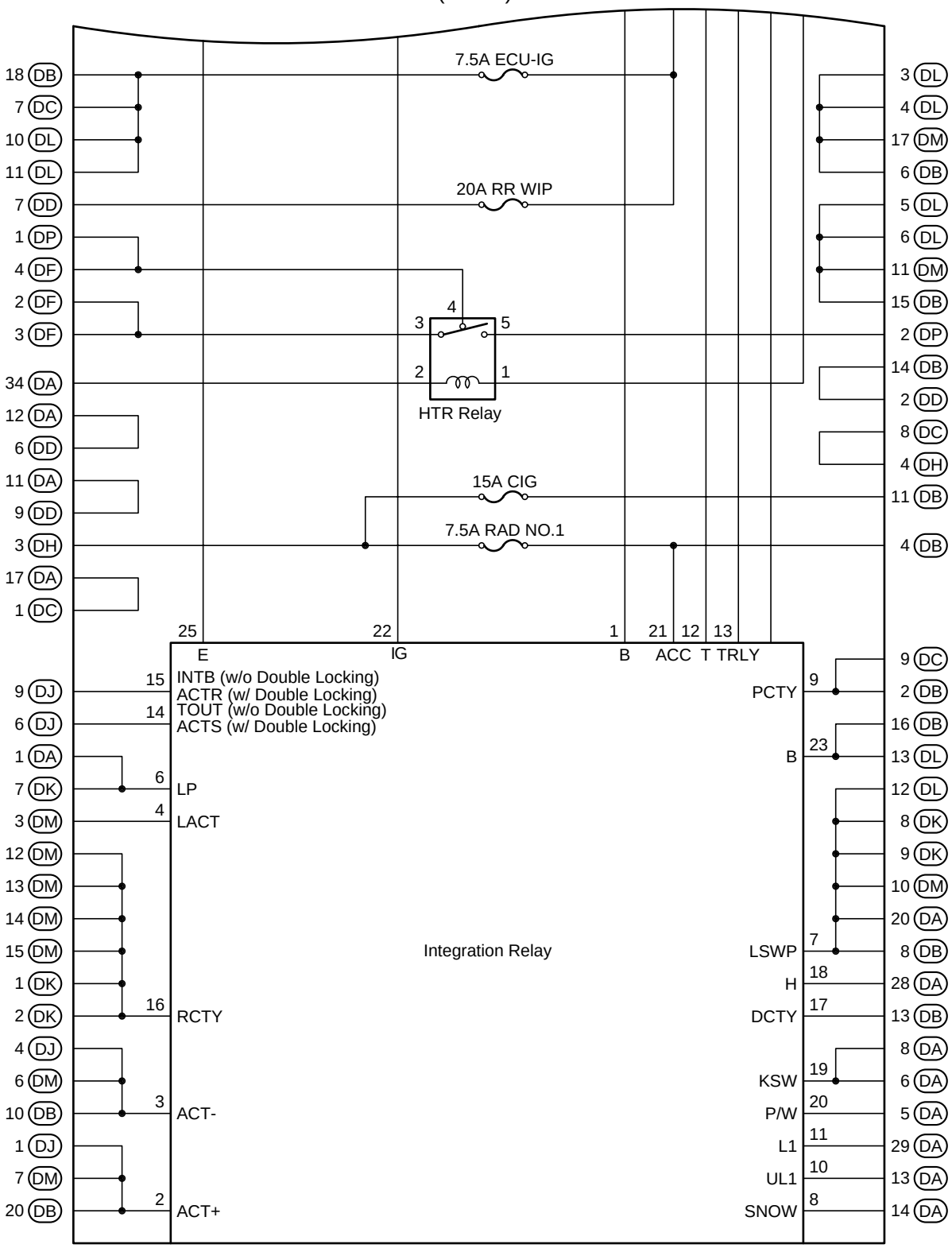

DL
(from Engine Room Main Wire)
DK
(from Roof Wire)
DM
(from Floor Wire)
DP
(from Engine Room Main Wire)
DN
(from Engine Room Main Wire)
Integration Relay

[Driver Side J/B Inner Circuit]



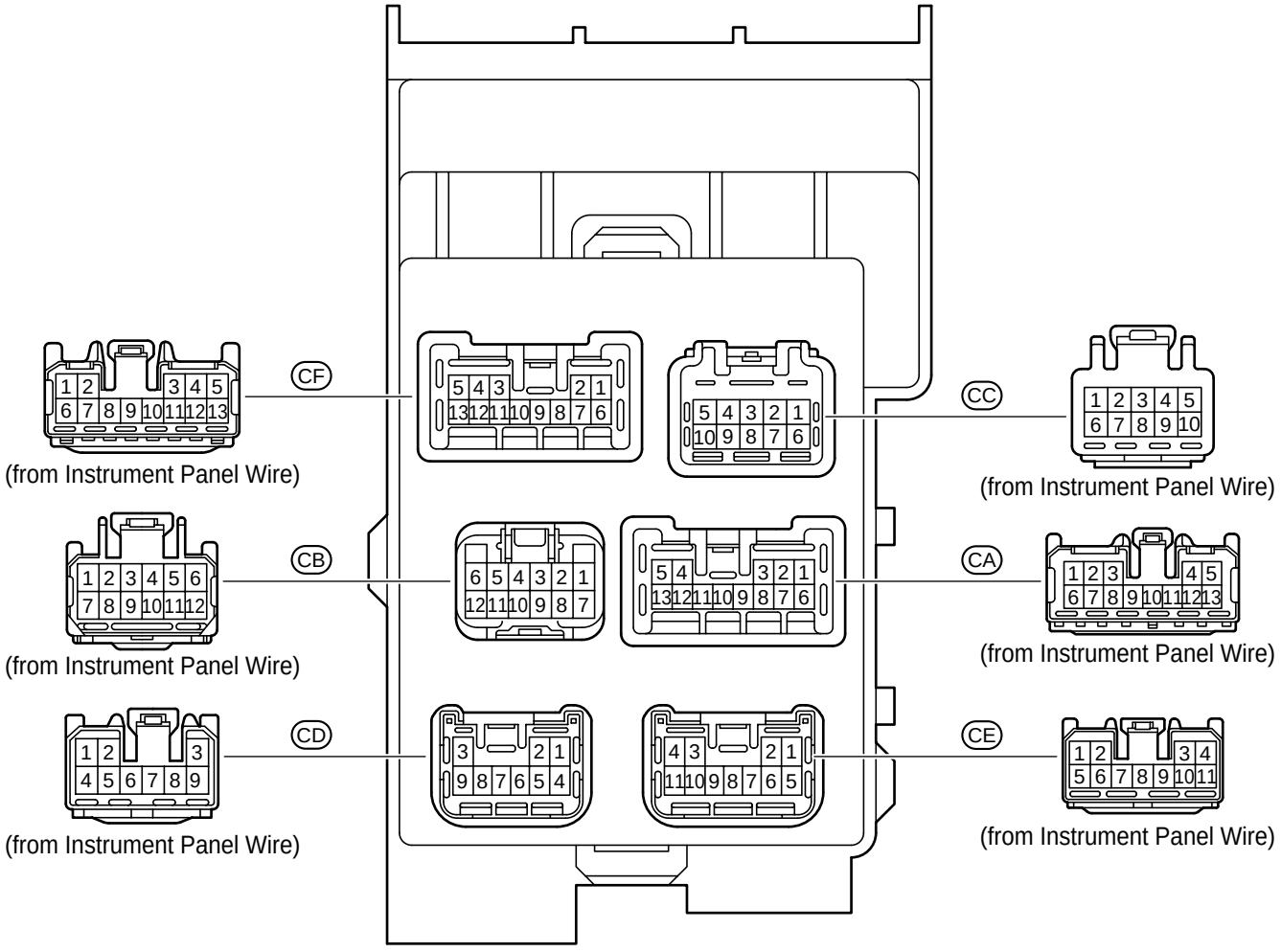
(Cont. Next Page)

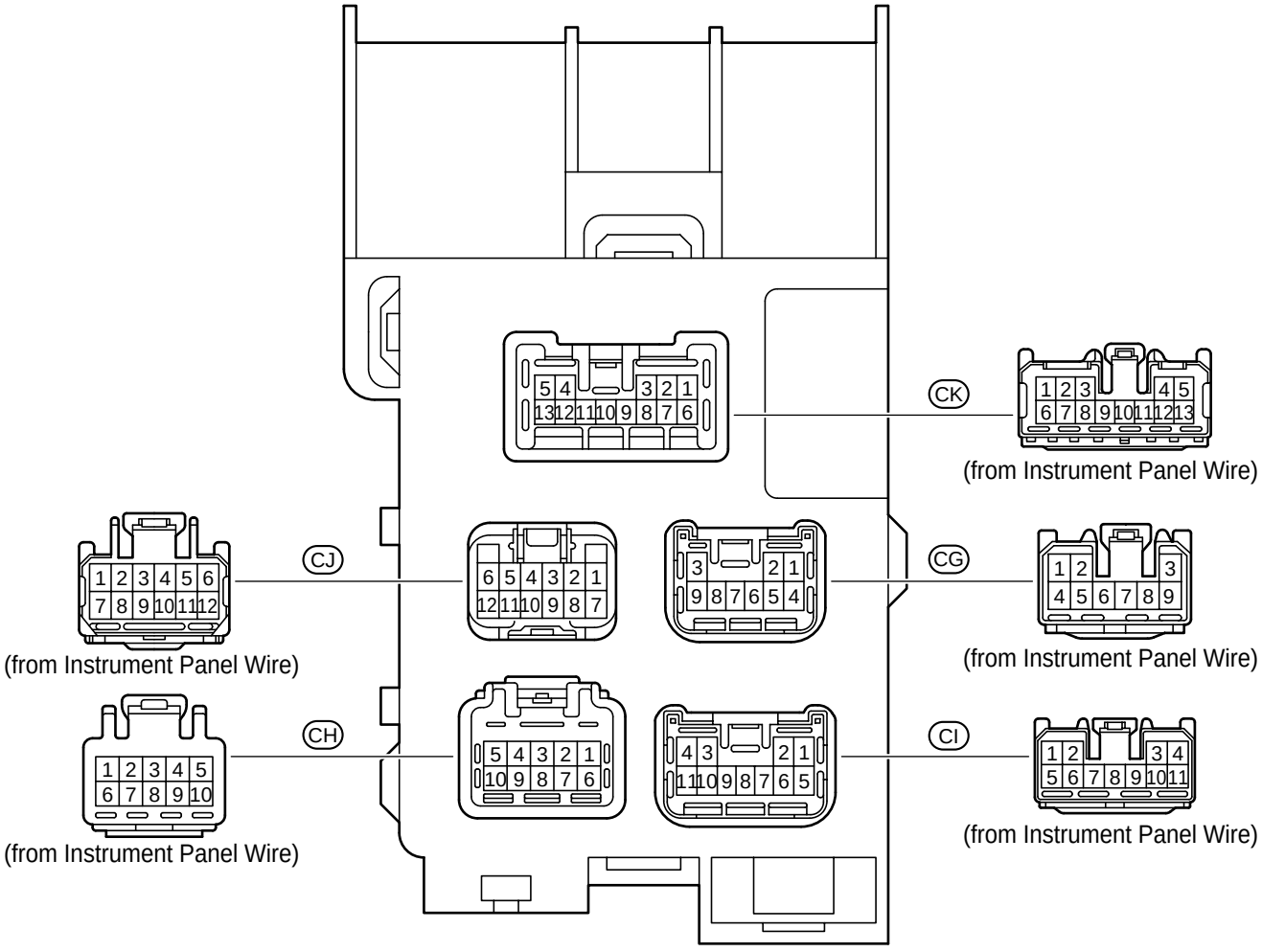
(Cont'd)


7.5A ECU-IG
20A RR WIP
15A CIG
7.5A RAD NO.1
HTR Relay
Integration Relay
25 E
22 IG
1 B
21 ACC
12 T
13 TRLY
15 INTB (w/o Double Locking)
ACTR (w/ Double Locking)
14 TOUT (w/o Double Locking)
ACTS (w/ Double Locking)
6 LP
4 LACT
16 RCTY
3 ACT-
2 ACT+
9 PCTY
23 B
7 LSWP
18 H
17 DCTY
19 KSW
20 P/W
11 L1
10 UL1
8 SNOW
18 DB
7 DC
10 DL
11 DL
7 DD
1 DP
4 DF
2 DF
3 DF
34 DA
12 DA
6 DD
11 DA
9 DD
3 DH
17 DA
1 DC
9 DJ
6 DJ
1 DA
7 DK
3 DM
12 DM
13 DM
14 DM
15 DM
1 DK
2 DK
4 DJ
6 DM
10 DB
1 DJ
7 DM
20 DB
3 DL
4 DL
17 DM
6 DB
5 DL
6 DL
11 DM
15 DB
2 DP
14 DB
2 DD
8 DC
4 DH
11 DB
4 DB
9 DC
2 DB
16 DB
13 DL
12 DL
8 DK
9 DK
10 DM
20 DA
8 DB
28 DA
13 DB
8 DA
6 DA
5 DA
29 DA
13 DA
14 DA

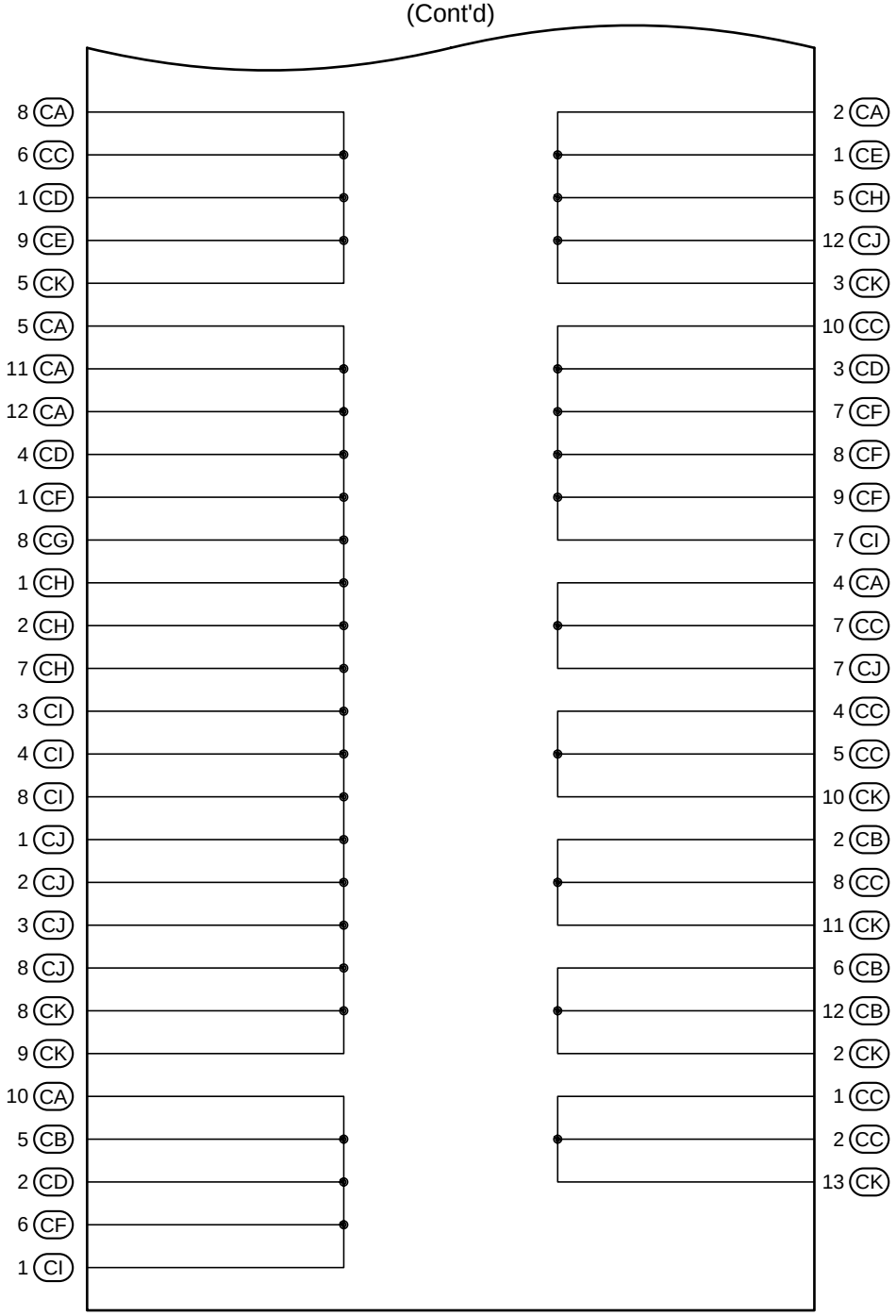
F RELAY LOCATIONS

: Center J/B	Instrument Panel Reinforcement RH (See Page 21)



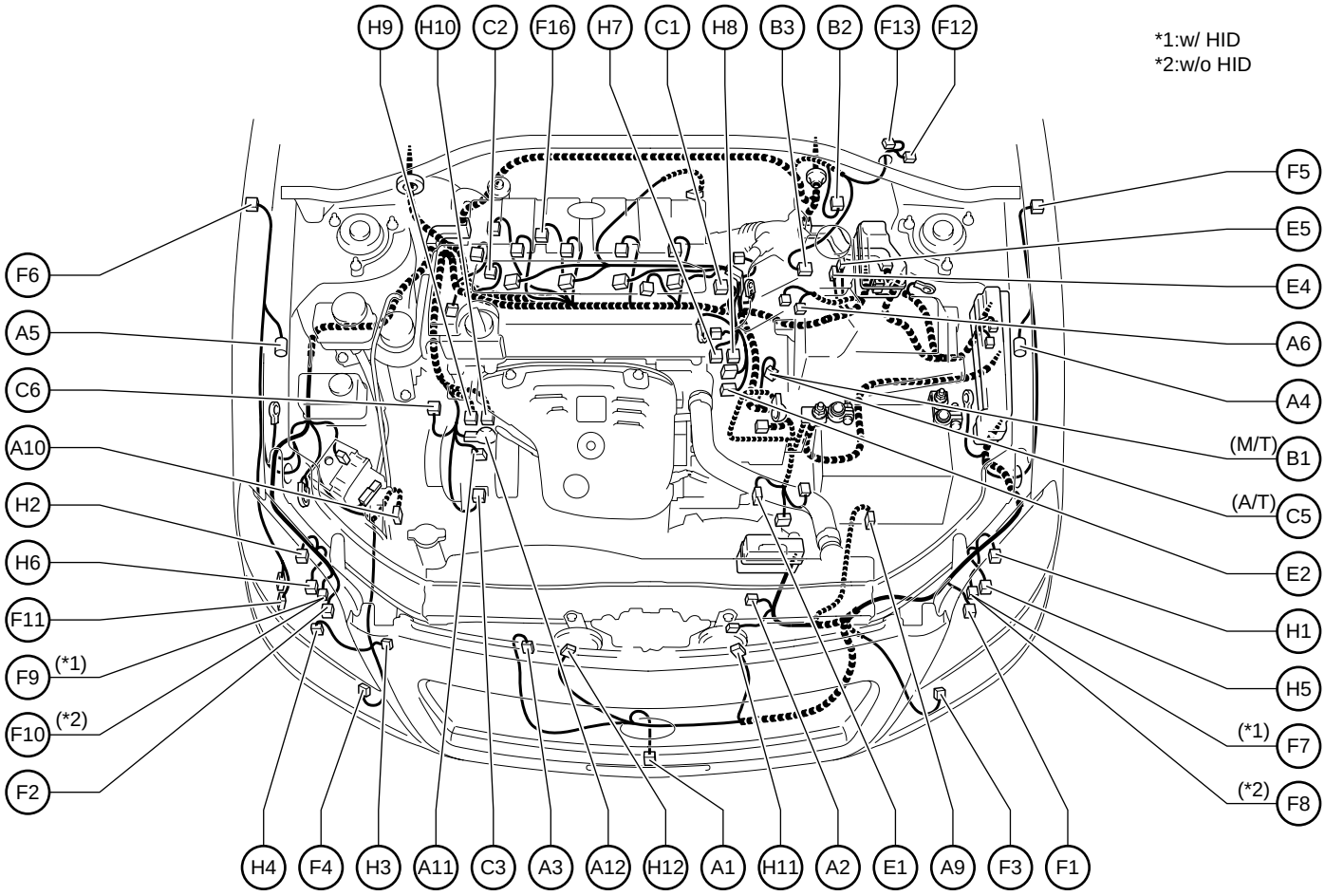

CK
(from Instrument Panel Wire)
CJ
(from Instrument Panel Wire)
CG
(from Instrument Panel Wire)
CH
(from Instrument Panel Wire)
CI
(from Instrument Panel Wire)

(Cont'd)


8 CA
6 CC
1 CD
9 CE
5 CK
5 CA
11 CA
12 CA
4 CD
1 CF
8 CG
1 CH
2 CH
7 CH
3 CI
4 CI
8 CI
1 CJ
2 CJ
3 CJ
8 CJ
8 CK
9 CK
10 CA
5 CB
2 CD
6 CF
1 CI
2 CA
1 CE
5 CH
12 CJ
3 CK
10 CC
3 CD
7 CF
8 CF
9 CF
7 CI
4 CA
7 CC
7 CJ
4 CC
5 CC
10 CK
2 CB
8 CC
11 CK
6 CB
12 CB
2 CK
1 CC
2 CC
13 CK

Position of Parts in Engine Compartment

[LHD : 1AZ–FSE]



A 1 A/C Ambient Temp. Sensor
A 2 A/C Condenser Fan Motor
A 3 A/C Pressure Sensor
A 4 ABS Speed Sensor Front LH
A 5 ABS Speed Sensor Front RH
A 6 Air Flow Meter
A 9 Airbag Sensor Front LH
A10 Airbag Sensor Front RH
A11 Alternator
A12 Alternator

B 1 Back–Up Light SW
B 2 Brake Booster Pressure Sensor
B 3 Brake Fluid Level Warning SW

C 1 Camshaft Position Sensor
C 2 Camshaft Timing Oil Control Valve
C 3 Compressor Assembly
C 5 Counter Gear Speed Sensor
C 6 Crankshaft Position Sensor

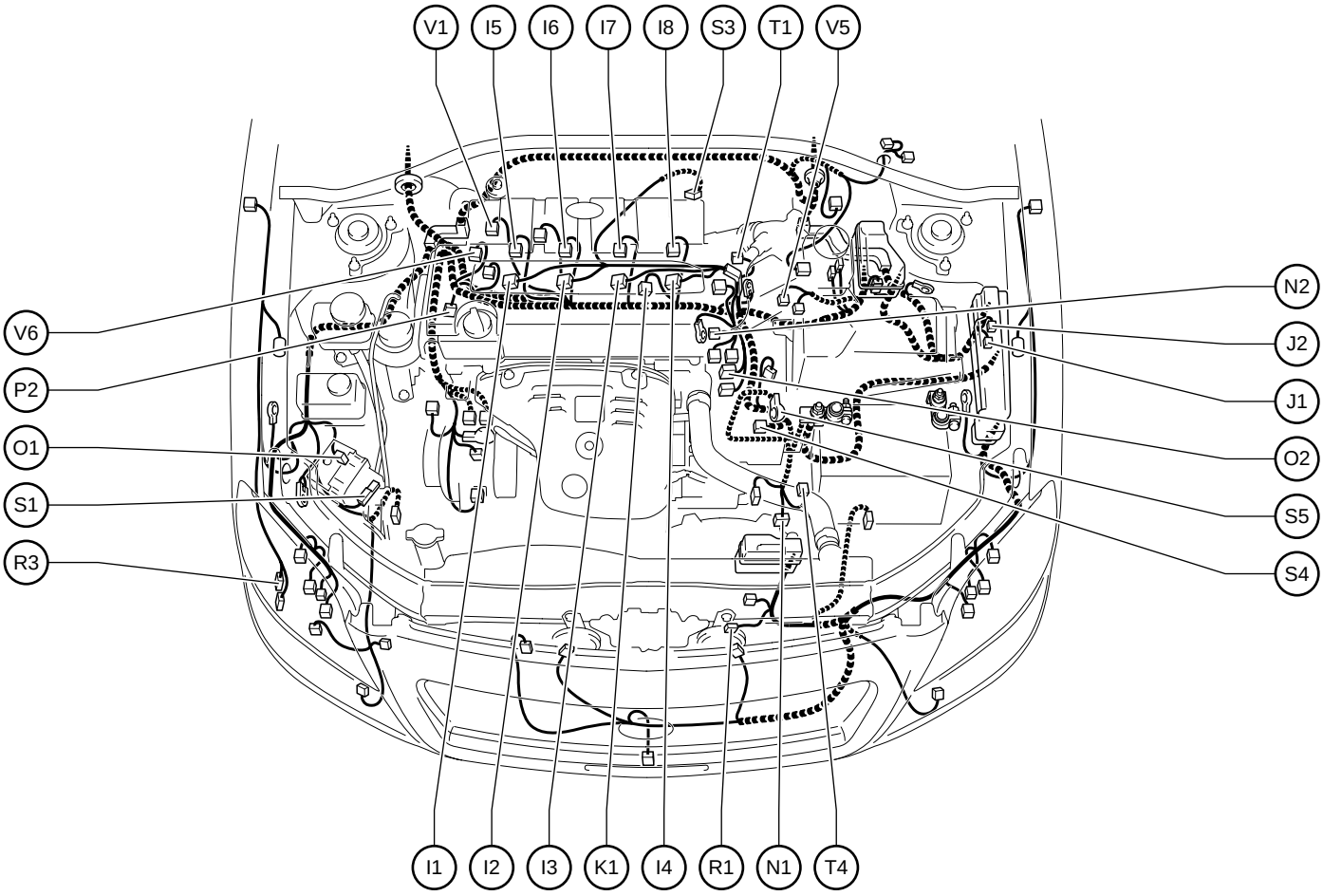
E 1 ECT Solenoid
E 2 EFI Water Temp. Sensor
E 4 Electronic Driver Unit
E 5 Electronic Driver Unit

F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 3 Front Fog Light LH
F 4 Front Fog Light RH
F 5 Front Side Turn Signal Light LH
F 6 Front Side Turn Signal Light RH
F 7 Front Turn Signal Light LH
Headlight Control ECU LH
F 8 Front Turn Signal Light LH
Headlight LH (Low)
F 9 Front Turn Signal Light RH
Headlight Control ECU RH
F10 Front Turn Signal Light RH
Headlight RH (Low)
F11 Front Washer Motor
F12 Front Window Deicer
F13 Front Wiper Motor
F16 Fuel Pressure Sensor

H 1 Headlight Beam Level Control Actuator LH
H 2 Headlight Beam Level Control Actuator RH
H 3 Headlight Cleaner Control Relay
H 4 Headlight Cleaner Motor
H 5 Headlight LH (High)
H 6 Headlight RH (High)
H 7 Heated Oxygen Sensor (Bank 1 Sensor 1)
H 8 Heated Oxygen Sensor (Bank 1 Sensor 2)
H 9 Heated Oxygen Sensor (Bank 2 Sensor 1)
H10 Heated Oxygen Sensor (Bank 2 Sensor 2)
H11 Horn LH
H12 Horn RH

Position of Parts in Engine Compartment

[LHD : 1AZ–FSE]



I 1 Ignition Coil and Igniter No.1
I 2 Ignition Coil and Igniter No.2
I 3 Ignition Coil and Igniter No.3
I 4 Ignition Coil and Igniter No.4
I 5 Injector No.1
I 6 Injector No.2
I 7 Injector No.3
I 8 Injector No.4

J 1 Junction Connector
J 2 Junction Connector

K 1 Knock Sensor

N 1 Neutral Start SW
N 2 Noise Filter (Ignition)

O 1 Oil Pressure Sensor
O 2 Oil Pressure SW

P 2 Power Steering Oil Pressure SW

R 1 Radiator Fan Motor
R 3 Rear Washer Motor

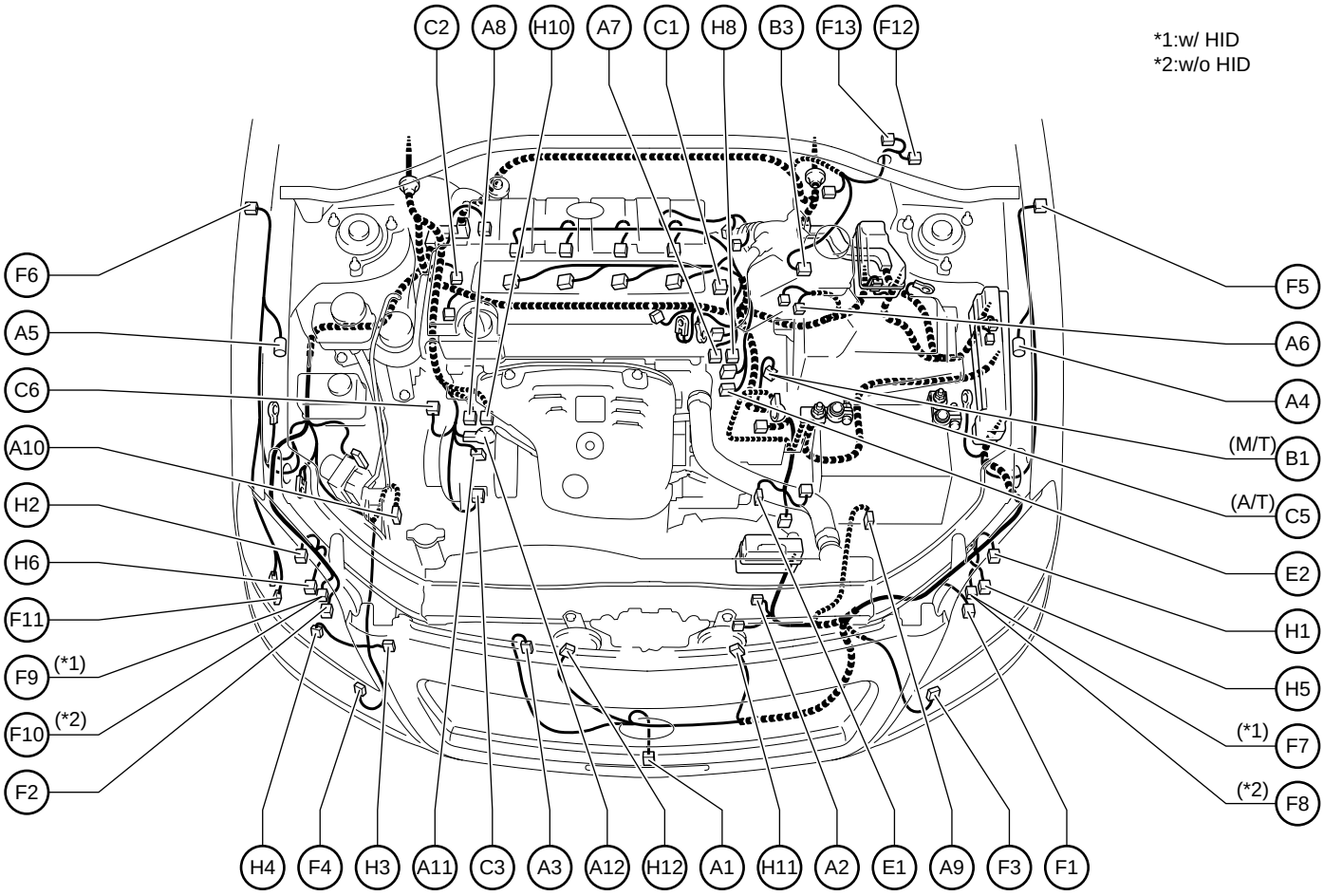
S 1 Skid Control ECU with Actuator
S 3 Spill Valve
S 4 Starter
S 5 Starter

T 1 Throttle Control Motor and Position Sensor
T 4 Turbine Speed Sensor

V 1 Vacuum Sensor
V 5 VSV (EVAP)
V 6 VSV (Intake Air Control Valve)

Position of Parts in Engine Compartment

[LHD : 1AZ–FE]



A 1 A/C Ambient Temp. Sensor
A 2 A/C Condenser Fan Motor
A 3 A/C Pressure Sensor
A 4 ABS Speed Sensor Front LH
A 5 ABS Speed Sensor Front RH
A 6 Air Flow Meter
A 7 Air Fuel Ratio Sensor (Bank 1 Sensor 1)
A 8 Air Fuel Ratio Sensor (Bank 2 Sensor 1)
A 9 Airbag Sensor Front LH
A10 Airbag Sensor Front RH
A11 Alternator
A12 Alternator

B 1 Back–Up Light SW
B 3 Brake Fluid Level Warning SW

C 1 Camshaft Position Sensor
C 2 Camshaft Timing Oil Control Valve
C 3 Compressor Assembly
C 5 Counter Gear Speed Sensor
C 6 Crankshaft Position Sensor

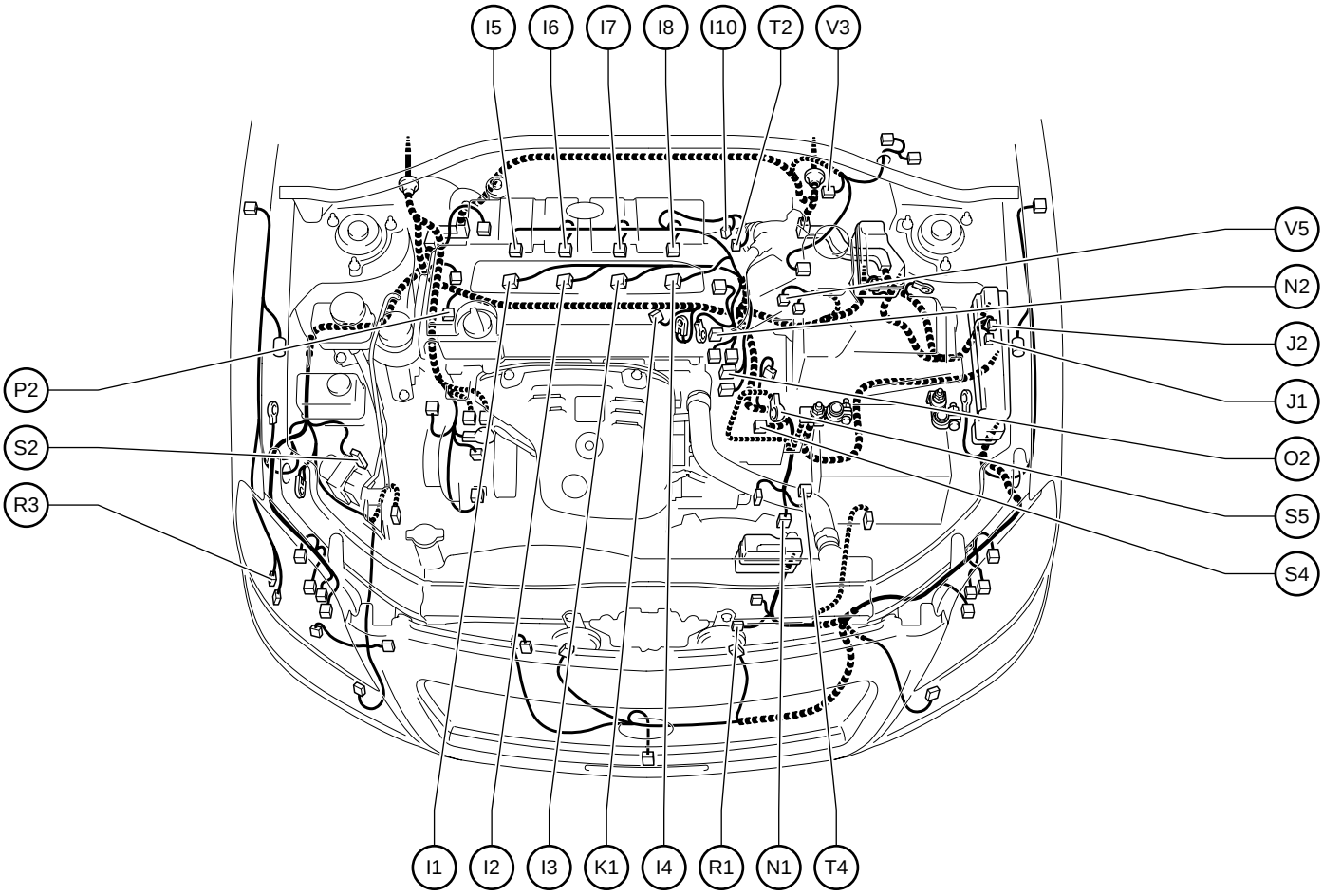
E 1 ECT Solenoid
E 2 EFI Water Temp. Sensor

F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 3 Front Fog Light LH
F 4 Front Fog Light RH
F 5 Front Side Turn Signal Light LH
F 6 Front Side Turn Signal Light RH
F 7 Front Turn Signal Light LH
Headlight Control ECU LH
F 8 Front Turn Signal Light LH
Headlight LH (Low)
F 9 Front Turn Signal Light RH
Headlight Control ECU RH
F10 Front Turn Signal Light RH
Headlight RH (Low)
F11 Front Washer Motor
F12 Front Window Deicer
F13 Front Wiper Motor

H 1 Headlight Beam Level Control Actuator LH
H 2 Headlight Beam Level Control Actuator RH
H 3 Headlight Cleaner Control Relay
H 4 Headlight Cleaner Motor
H 5 Headlight LH (High)
H 6 Headlight RH (High)
H 8 Heated Oxygen Sensor (Bank 1 Sensor 2)
H10 Heated Oxygen Sensor (Bank 2 Sensor 2)
H11 Horn LH
H12 Horn RH

Position of Parts in Engine Compartment

[LHD : 1AZ–FE]



I 1 Ignition Coil and Igniter No.1
I 2 Ignition Coil and Igniter No.2
I 3 Ignition Coil and Igniter No.3
I 4 Ignition Coil and Igniter No.4
I 5 Injector No.1
I 6 Injector No.2
I 7 Injector No.3
I 8 Injector No.4
I 10 ISC Valve

J 1 Junction Connector
J 2 Junction Connector

K 1 Knock Sensor

N 1 Neutral Start SW
N 2 Noise Filter (Ignition)

O 2 Oil Pressure SW

P 2 Power Steering Oil Pressure SW

R 1 Radiator Fan Motor
R 3 Rear Washer Motor

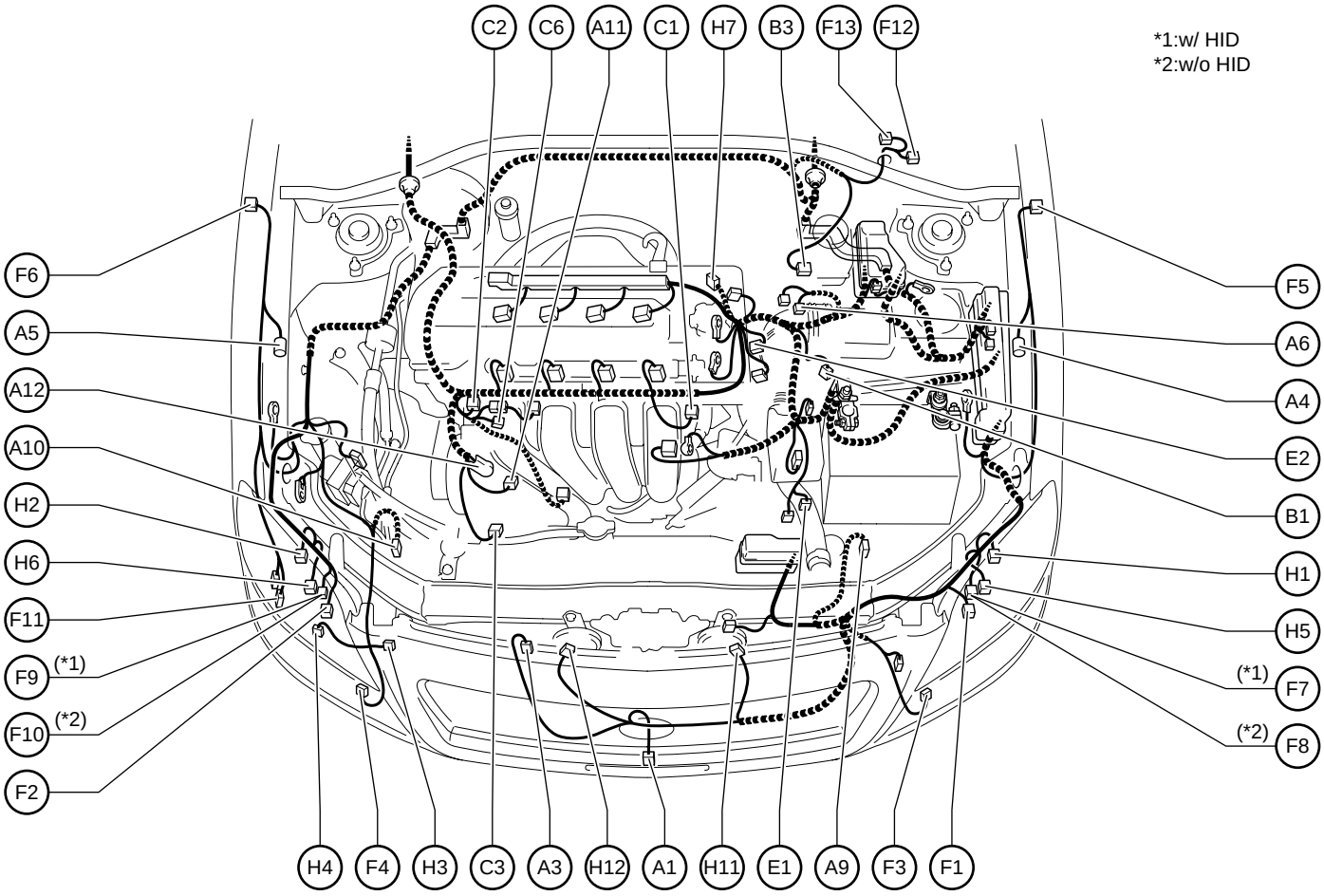
S 2 Skid Control ECU with Actuator
S 4 Starter
S 5 Starter

T 2 Throttle Position Sensor
T 4 Turbine Speed Sensor

V 3 Variable Resistor
V 5 VSV (EVAP)

Position of Parts in Engine Compartment

[LHD : 1ZZ–FE, 3ZZ–FE]



A 1 A/C Ambient Temp. Sensor
A 3 A/C Pressure Sensor
A 4 ABS Speed Sensor Front LH
A 5 ABS Speed Sensor Front RH
A 6 Air Flow Meter
A 9 Airbag Sensor Front LH
A10 Airbag Sensor Front RH
A11 Alternator
A12 Alternator

B 1 Back–Up Light SW
B 3 Brake Fluid Level Warning SW

C 1 Camshaft Position Sensor
C 2 Camshaft Timing Oil Control Valve
C 3 Compressor Assembly
C 6 Crankshaft Position Sensor

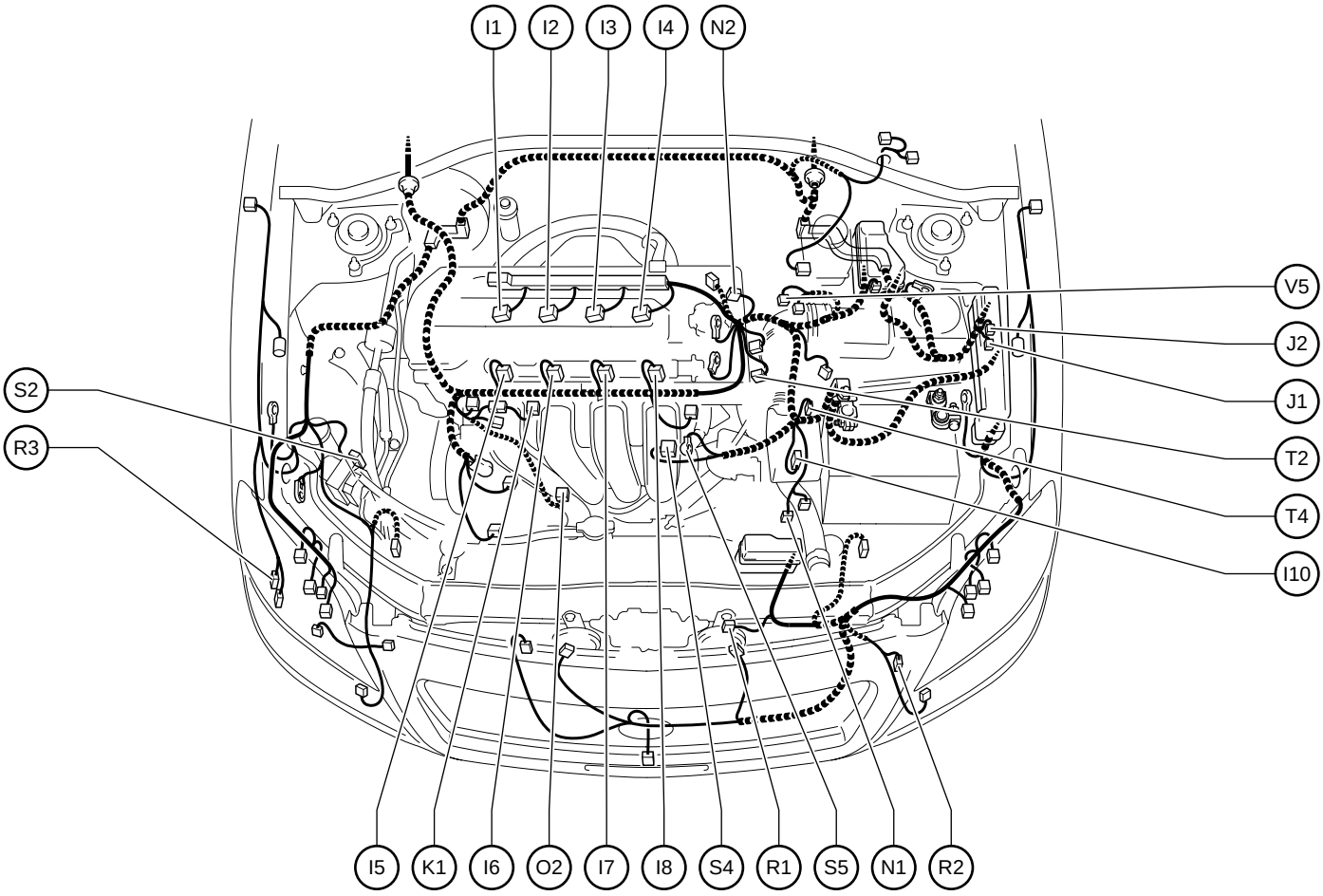
E 1 ECT Solenoid
E 2 EFI Water Temp. Sensor

F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 3 Front Fog Light LH
F 4 Front Fog Light RH
F 5 Front Side Turn Signal Light LH
F 6 Front Side Turn Signal Light RH
F 7 Front Turn Signal Light LH
Headlight Control ECU LH
F 8 Front Turn Signal Light LH
Headlight LH (Low)
F 9 Front Turn Signal Light RH
Headlight Control ECU RH
F10 Front Turn Signal Light RH
Headlight RH (Low)
F11 Front Washer Motor
F12 Front Window Deicer
F13 Front Wiper Motor

H 1 Headlight Beam Level Control Actuator LH
H 2 Headlight Beam Level Control Actuator RH
H 3 Headlight Cleaner Control Relay
H 4 Headlight Cleaner Motor
H 5 Headlight LH (High)
H 6 Headlight RH (High)
H 7 Heated Oxygen Sensor (Bank 1 Sensor 1)
H11 Horn LH
H12 Horn RH

Position of Parts in Engine Compartment

[LHD : 1ZZ–FE, 3ZZ–FE]



I 1 Ignition Coil and Igniter No.1
I 2 Ignition Coil and Igniter No.2
I 3 Ignition Coil and Igniter No.3
I 4 Ignition Coil and Igniter No.4
I 5 Injector No.1
I 6 Injector No.2
I 7 Injector No.3
I 8 Injector No.4
I 10 ISC Valve

J 1 Junction Connector
J 2 Junction Connector

K 1 Knock Sensor

N 1 Neutral Start SW
N 2 Noise Filter (Ignition)

O 2 Oil Pressure SW

R 1 Radiator Fan Motor
R 2 Radiator Fan Resistor
R 3 Rear Washer Motor

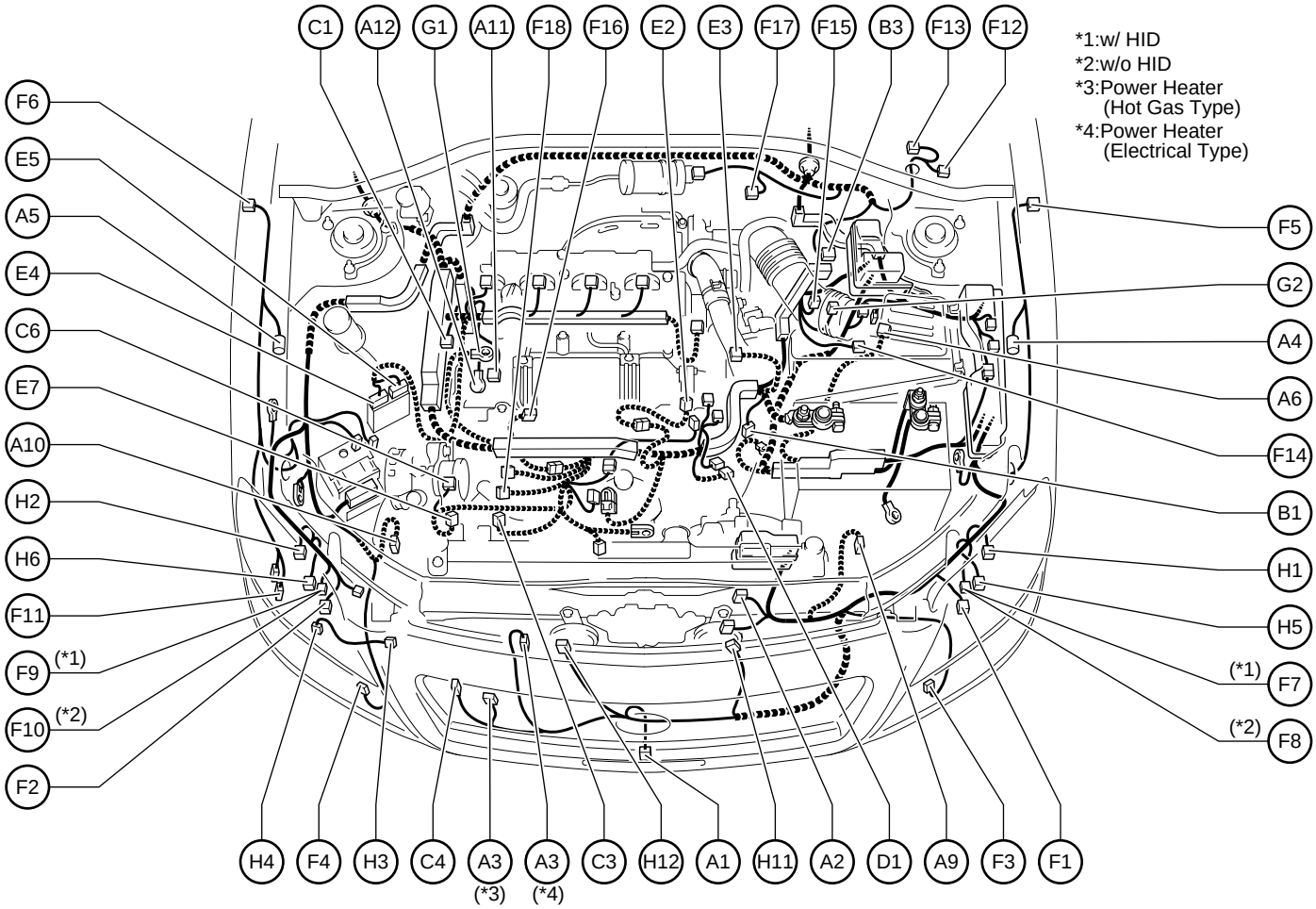
S 2 Skid Control ECU with Actuator
S 4 Starter
S 5 Starter

T 2 Throttle Position Sensor
T 4 Turbine Speed Sensor

V 5 VSV (EVAP)

Position of Parts in Engine Compartment

[LHD : 1CD–FTV]



A 1 A/C Ambient Temp. Sensor
A 2 A/C Condenser Fan Motor
A 3 A/C Pressure Sensor
A 4 ABS Speed Sensor Front LH
A 5 ABS Speed Sensor Front RH
A 6 Air Flow Meter
A 9 Airbag Sensor Front LH
A10 Airbag Sensor Front RH
A11 Alternator
A12 Alternator

B 1 Back–Up Light SW
B 3 Brake Fluid Level Warning SW

C 1 Camshaft Position Sensor
C 3 Compressor Assembly
C 4 Condenser Assembly
C 6 Crankshaft Position Sensor

D 1 Diesel Throttle Control Motor

E 2 EFI Water Temp. Sensor
E 3 EGR Valve Control Motor
E 4 Electronic Driver Unit
E 5 Electronic Driver Unit
E 7 Engine Oil Level Sensor

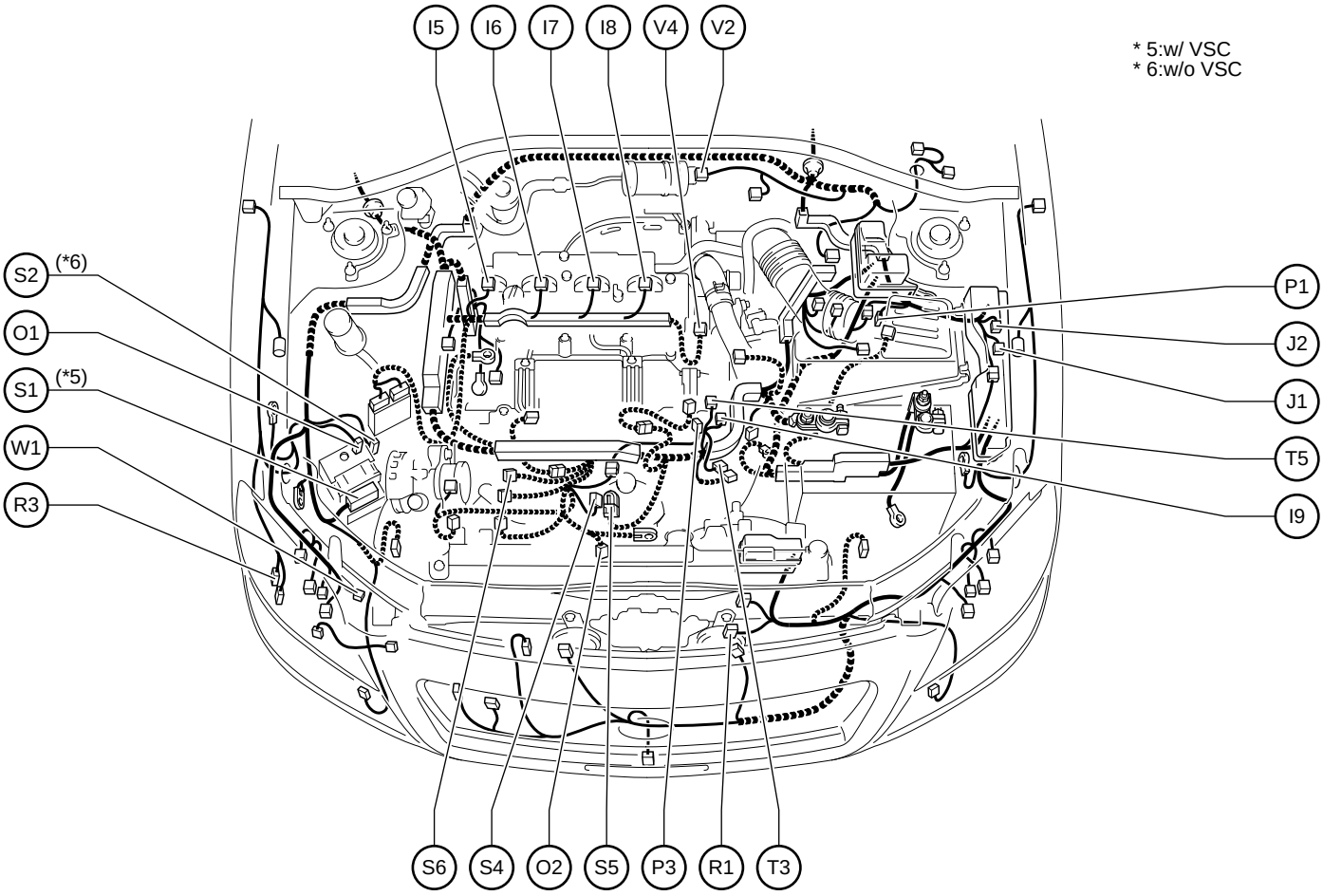
F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 3 Front Fog Light LH
F 4 Front Fog Light RH
F 5 Front Side Turn Signal Light LH
F 6 Front Side Turn Signal Light RH
F 7 Front Turn Signal Light LH
Headlight Control ECU LH
F 8 Front Turn Signal Light LH
Headlight LH (Low)
F 9 Front Turn Signal Light RH
Headlight Control ECU RH
F10 Front Turn Signal Light RH
Headlight RH (Low)
F11 Front Washer Motor
F12 Front Window Deicer
F13 Front Wiper Motor
F14 Fuel Filter Warning SW
F15 Fuel Heater
F16 Fuel Pressure Sensor
F17 Fuel Pump
F18 Fuel Temp. Sensor

G 1 Glow Plug
G 2 Glow Plug Relay

H 1 Headlight Beam Level Control Actuator LH
H 2 Headlight Beam Level Control Actuator RH
H 3 Headlight Cleaner Control Relay
H 4 Headlight Cleaner Motor
H 5 Headlight LH (High)
H 6 Headlight RH (High)
H11 Horn LH
H12 Horn RH

Position of Parts in Engine Compartment

[LHD : 1CD–FTV]



I 5 Injector No.1
I 6 Injector No.2
I 7 Injector No.3
I 8 Injector No.4
I 9 Intake Air Temp. Sensor

J 1 Junction Connector
J 2 Junction Connector

O 1 Oil Pressure Sensor
O 2 Oil Pressure SW

P 1 Power Heater Assembly
P 3 Pressure Discharge Valve

R 1 Radiator Fan Motor
R 3 Rear Washer Motor

S 1 Skid Control ECU with Actuator
S 2 Skid Control ECU with Actuator
S 4 Starter
S 5 Starter
S 6 Suction Control Valve

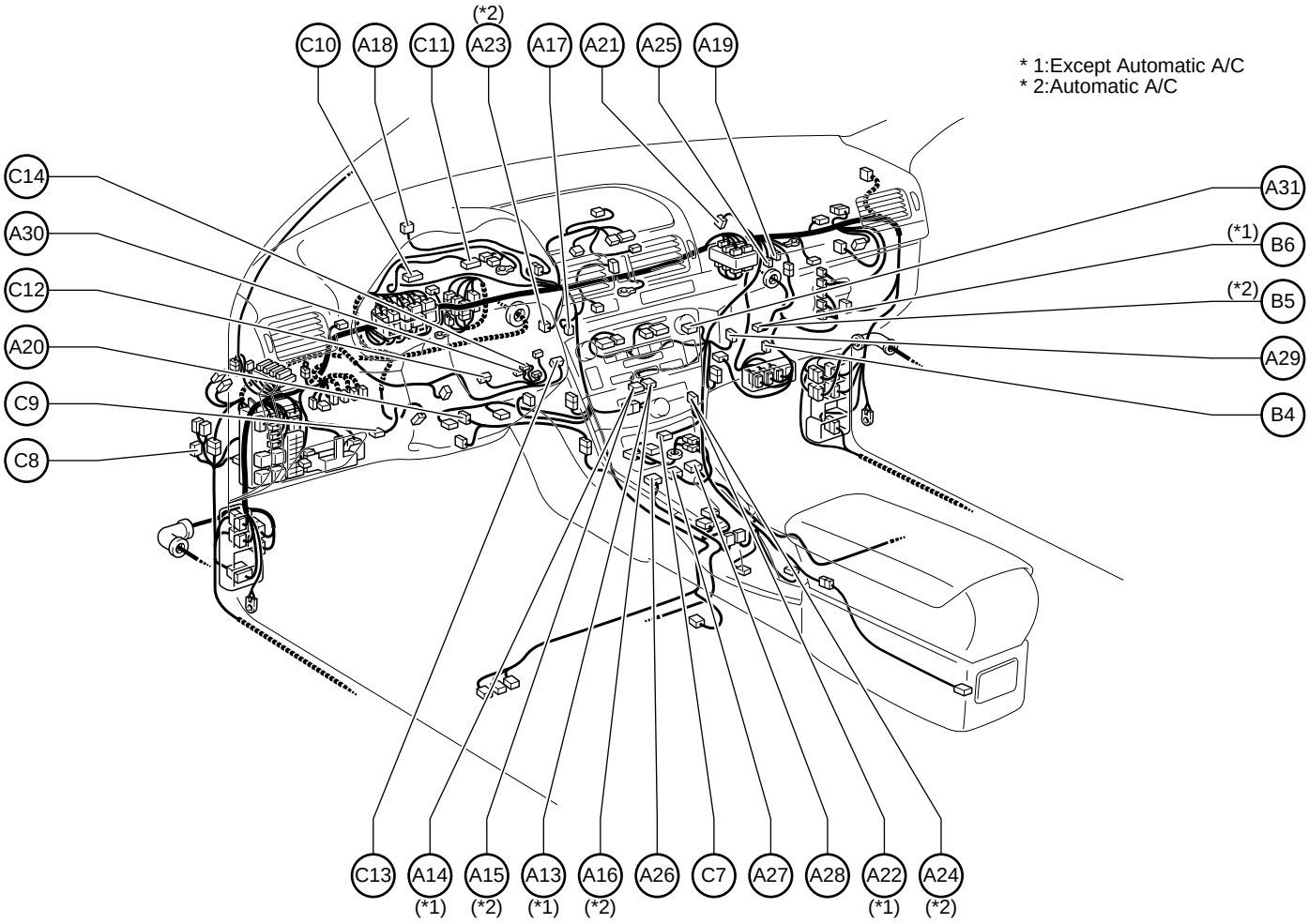
T 3 Throttle Position SW
T 5 Turbo Pressure Sensor

V 2 Vacuum SW
V 4 VRV (EGR)

W 1 Water Temp. SW (Radiator Fan)

Position of Parts in Instrument Panel

[LHD]



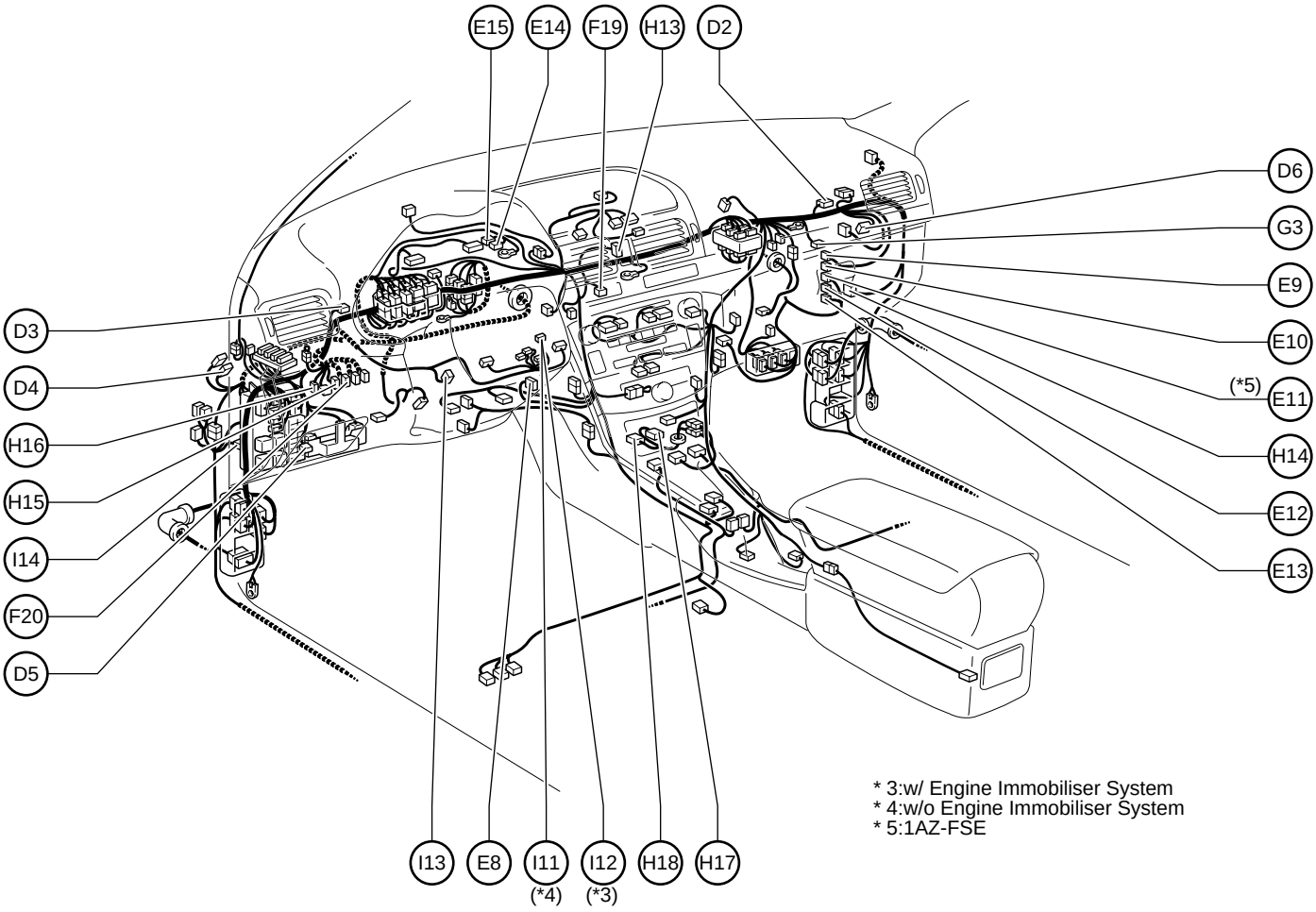
A13 A/C Control Assembly
A14 A/C Control Assembly
A15 A/C Control Assembly
A16 A/C Control Assembly
A17 A/C Room Temp. Sensor
A18 A/C Solar Sensor
A19 A/C Thermistor
A20 Accel Position Sensor
A21 Air Inlet Control Servo Motor
A22 Air Mix Control Servo Motor
A23 Air Mix Control Servo Motor (Driver Side)
A24 Air Mix Control Servo Motor (Front Passenger Side)
A25 Air Vent Mode Control Servo Motor
A26 Airbag Sensor Assembly
A27 Airbag Sensor Assembly
A28 Airbag Sensor Assembly
A29 Airbag Squib (Front Passenger Airbag Assembly)
A30 Airbag Squib (Steering Wheel Pad)
A31 Antenna Amplifier

B 4 Blower Motor
B 5 Blower Motor Controller
B 6 Blower Resistor

C 7 Cigarette Lighter
Cigarette Lighter Illumination
C 8 Circuit Opening Relay
C 9 Clutch Start SW
C10 Combination Meter
C11 Combination Meter
C12 Combination SW
C13 Combination SW
C14 Combination SW

Position of Parts in Instrument Panel

[LHD]



D 2 Diode
D 3 Diode
D 4 Diode (Fan)
D 5 DLC3
D 6 Door Control Receiver

E 8 ECT Pattern Select SW
E 9 Engine and ECT ECU (A/T)
Engine ECU (M/T)
E 10 Engine and ECT ECU (A/T)
Engine ECU (M/T)
E 11 Engine and ECT ECU (A/T)
Engine ECU (M/T)
E 12 Engine and ECT ECU (A/T)
Engine ECU (M/T)
E 13 Engine and ECT ECU (A/T)
Engine ECU (M/T)
E 14 EPS ECU
E 15 EPS ECU

F 19 Front Passenger's Seat Belt Warning Light
Rear Window Defogger SW
Security Indicator Light
F 20 Front Wiper Deicer SW

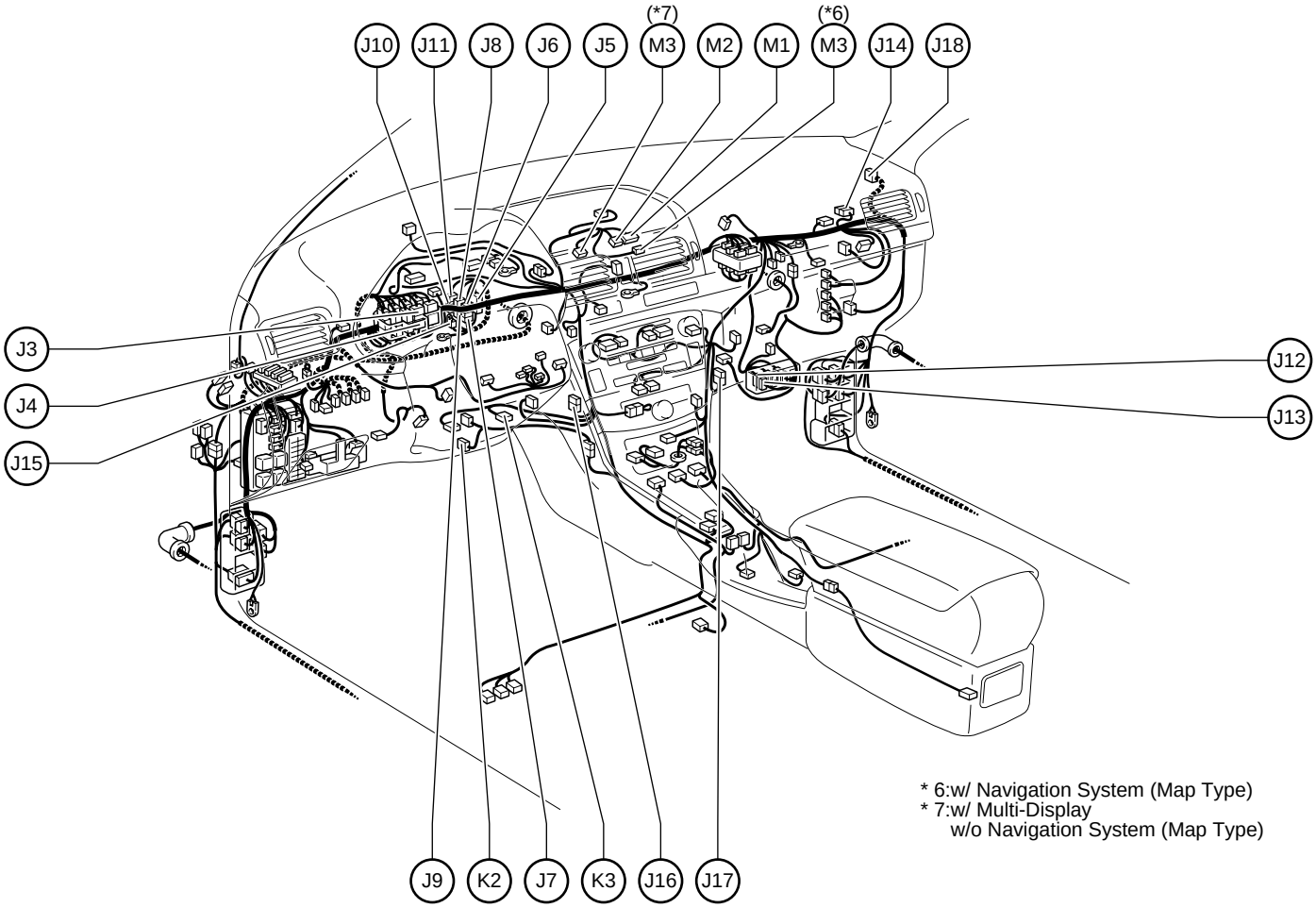
G 3 Glove Box Light

H13 Hazard SW
H14 Headlight Beam Level Control ECU
H15 Headlight Beam Level Control SW
H16 Headlight Cleaner SW
H17 Heated Oxygen Sensor (Bank 1 Sensor 2)
H18 Height Control Sensor (Front)

I 11 Ignition Key Cylinder Light
I 12 Ignition Key Cylinder Light
Transponder Key Amplifier
I 13 Ignition SW
I 14 Integration Relay

Position of Parts in Instrument Panel

[LHD]



* 6:w/ Navigation System (Map Type)
* 7:w/ Multi-Display
  w/o Navigation System (Map Type)

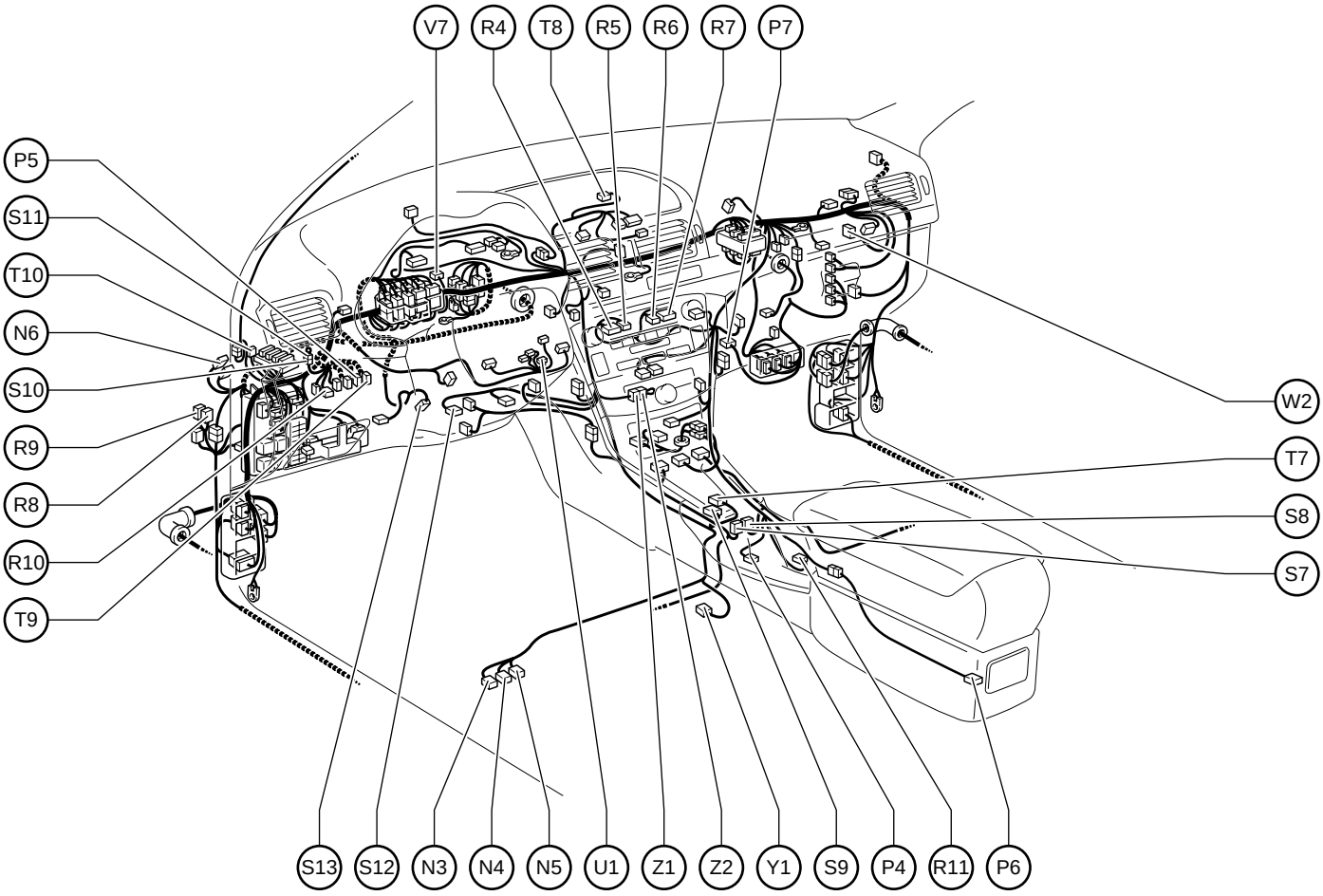
J 3 Junction Connector
J 4 Junction Connector
J 5 Junction Connector
J 6 Junction Connector
J 7 Junction Connector
J 8 Junction Connector
J 9 Junction Connector
J 10 Junction Connector
J 11 Junction Connector
J 12 Junction Connector
J 13 Junction Connector
J 14 Junction Connector
J 15 Junction Connector
J 16 Junction Connector
J 17 Junction Connector
J 18 Junction Connector

K 2 Kick Down SW
K 3 Knee Airbag Squib

M 1 Multi–Display
M 2 Multi–Display
M 3 Multi–Display

Position of Parts in Instrument Panel

[LHD]



N 3 Navigation ECU
N 4 Navigation ECU
N 5 Navigation ECU
N 6 Noise Filter (Rear Window Defogger No.1)

P 4 Parking Brake SW
P 5 Power Heater SW
P 6 Power Outlet
P 7 PTC Heater

R 4 Radio and Player
R 5 Radio and Player
R 6 Radio and Player
R 7 Radio and Player
R 8 Rear Fog Light Relay
R 9 Rear Window Defogger Relay
R10 Remote Control Mirror SW
R11 Remote Controller (Navigation)

S 7 Seat Heater SW
S 8 Seat Heater SW
S 9 Shift Lock Control ECU
S10 Short Connector
S11 Short Connector
S12 Steering Sensor
S13 Stop Light SW

T 7 Transmission Control SW
T 8 Transponder Key Computer
T 9 TRC Off SW
T10 Turn Signal Flasher Relay

U 1 Unlock Warning SW

V 7 VSC Warning Buzzer

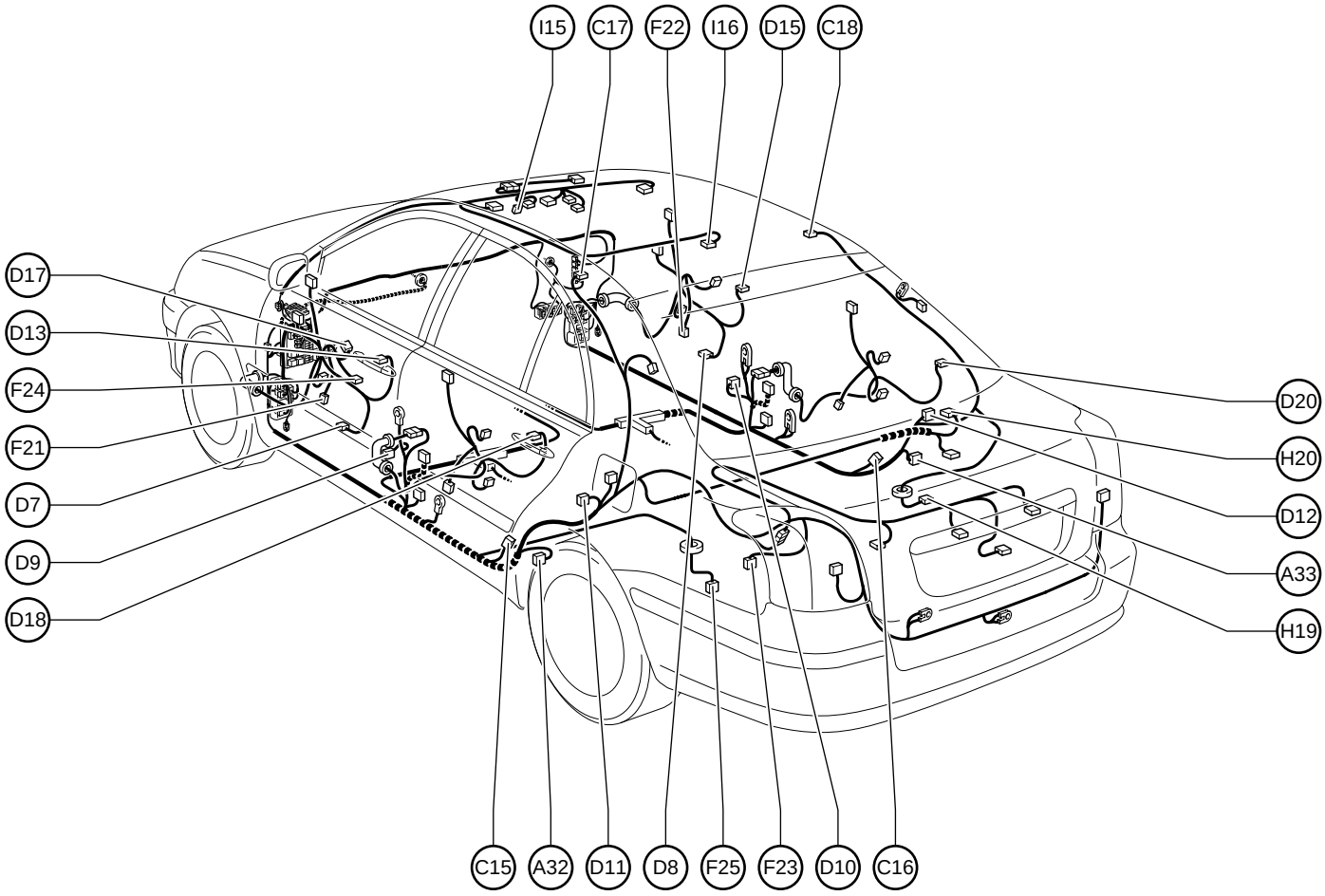
W 2 Wiper Relay

Y 1 Yaw Rate Sensor

Z 1 Option Connector (Navigation ECU)
Z 2 Option Connector (Navigation ECU)

Position of Parts in Body

[LHD : S/D]



A32 ABS Speed Sensor Rear LH
A33 ABS Speed Sensor Rear RH

C15 Curtain Shield Airbag Sensor LH
C16 Curtain Shield Airbag Sensor RH
C17 Curtain Shield Airbag Squib LH
C18 Curtain Shield Airbag Squib RH

D 7 Door Courtesy Light LH
D 8 Door Courtesy Light RH
D 9 Door Courtesy SW Front LH
D10 Door Courtesy SW Front RH
D11 Door Courtesy SW Rear LH
D12 Door Courtesy SW Rear RH
D13 Door Key Lock and Unlock SW (Driver's Side)
Door Lock Control Motor (Driver's Side)
Door Unlock Detection SW (Driver's Side)
D15 Door Lock Control Motor (Front Passenger's Side)
D17 Door Lock Control SW
Power Window Master SW
D18 Door Lock Motor Rear LH
D20 Door Lock Motor Rear RH

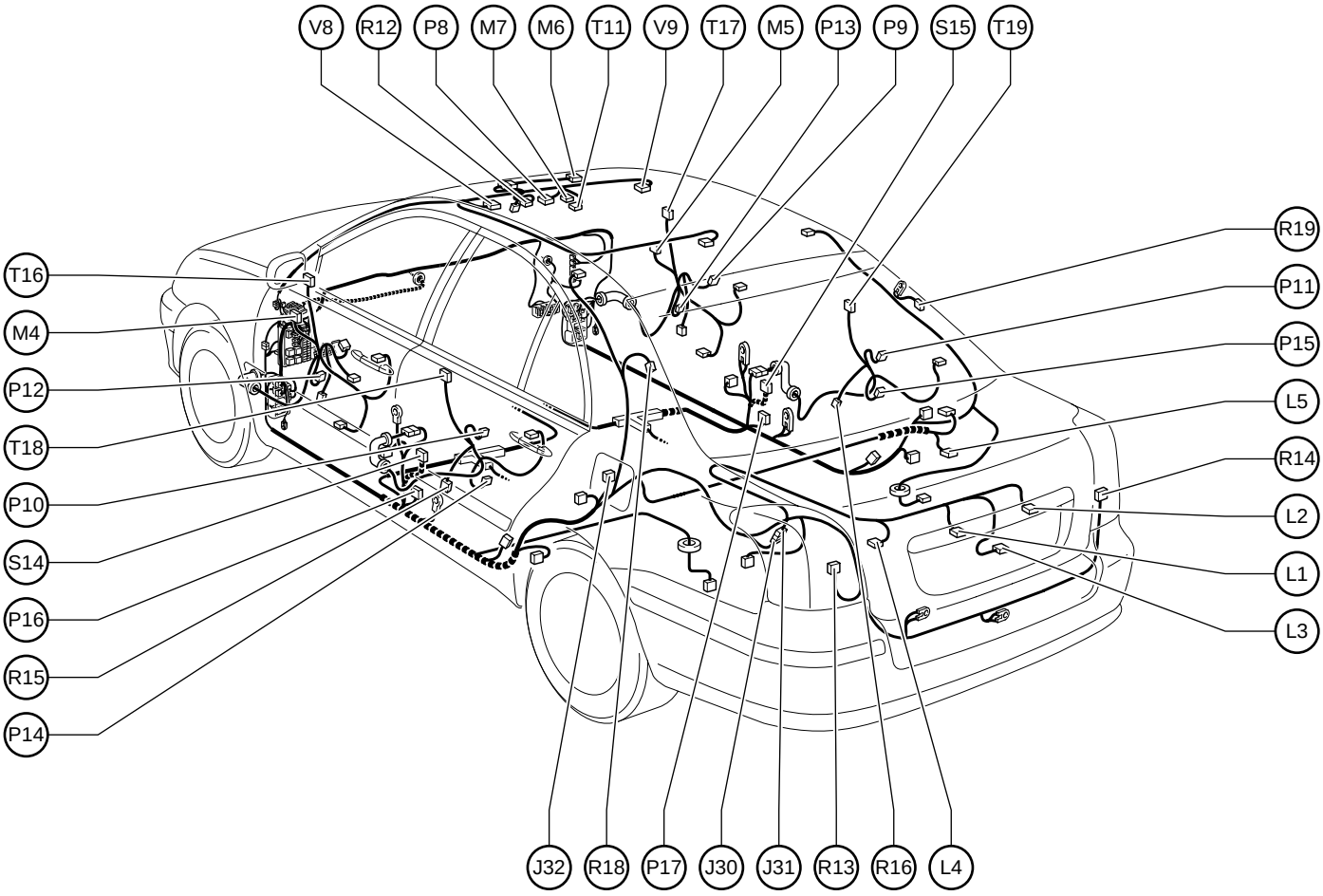
F 21 Front Door Speaker LH
F 22 Front Door Speaker RH
F 23 Fuel Lid Opener Motor
F 24 Fuel Lid Opener SW
F 25 Fuel Pump
Fuel Sender

H19 Height Control Sensor (Rear)
H20 High Mounted Stop Light

I 15 Inner Mirror
I 16 Interior Light

Position of Parts in Body

[LHD : S/D]



J 30 Junction Connector
J 31 Junction Connector
J 32 Junction Connector

L 1 License Plate Light LH
L 2 License Plate Light RH
L 3 Luggage Compartment Door Lock Motor
Luggage Compartment Light SW
L 4 Luggage Compartment Door Opener SW
L 5 Luggage Compartment Light

M 4 Mirror Heater LH
Remote Control Mirror LH
M 5 Mirror Heater RH
Remote Control Mirror RH
M 6 Moon Roof Control Relay and Motor
M 7 Moon Roof Control SW

P 8 Personal Light
P 9 Power Window Control SW (Front Passenger Side)
P 10 Power Window Control SW Rear LH
P 11 Power Window Control SW Rear RH
P 12 Power Window Motor Front LH
P 13 Power Window Motor Front RH
P 14 Power Window Motor Rear LH
P 15 Power Window Motor Rear RH
P 16 Pretensioner LH
P 17 Pretensioner RH

R 12 Rain Sensor
R 13 Rear Combination Light LH
R 14 Rear Combination Light RH
R 15 Rear Door Speaker LH
R 16 Rear Door Speaker RH
R 18 Rear Window Defogger
R 19 Rear Window Defogger

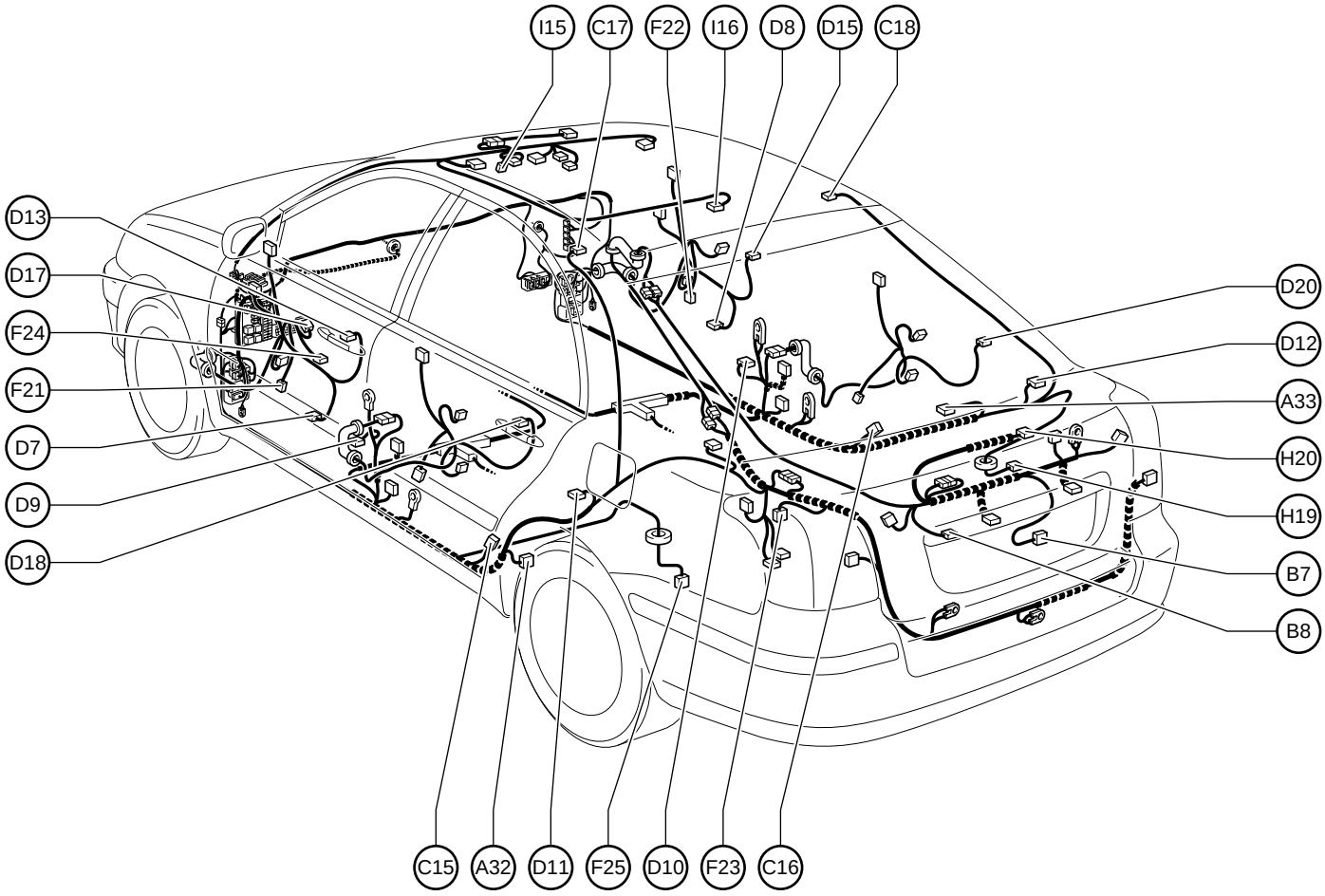
S 14 Side Airbag Sensor LH
S 15 Side Airbag Sensor RH

T 11 Telephone Microphone Amplifier
T 16 Tweeter Front LH
T 17 Tweeter Front RH
T 18 Tweeter Rear LH
T 19 Tweeter Rear RH

V 8 Vanity Light LH
V 9 Vanity Light RH

Position of Parts in Body

[LHD : L/B]



A32 ABS Speed Sensor Rear LH
A33 ABS Speed Sensor Rear RH

B 7 Back Door Courtesy SW
Back Door Lock Motor
B 8 Back Door Opener SW

C15 Curtain Shield Airbag Sensor LH
C16 Curtain Shield Airbag Sensor RH
C17 Curtain Shield Airbag Squib LH
C18 Curtain Shield Airbag Squib RH

D 7 Door Courtesy Light LH
D 8 Door Courtesy Light RH
D 9 Door Courtesy SW Front LH
D10 Door Courtesy SW Front RH
D11 Door Courtesy SW Rear LH
D12 Door Courtesy SW Rear RH
D13 Door Key Lock and Unlock SW (Driver's Side)
Door Lock Control Motor (Driver's Side)
Door Unlock Detection SW (Driver's Side)
D15 Door Lock Control Motor (Front Passenger's Side)
D17 Door Lock Control SW
Power Window Master SW
D18 Door Lock Motor Rear LH
D20 Door Lock Motor Rear RH

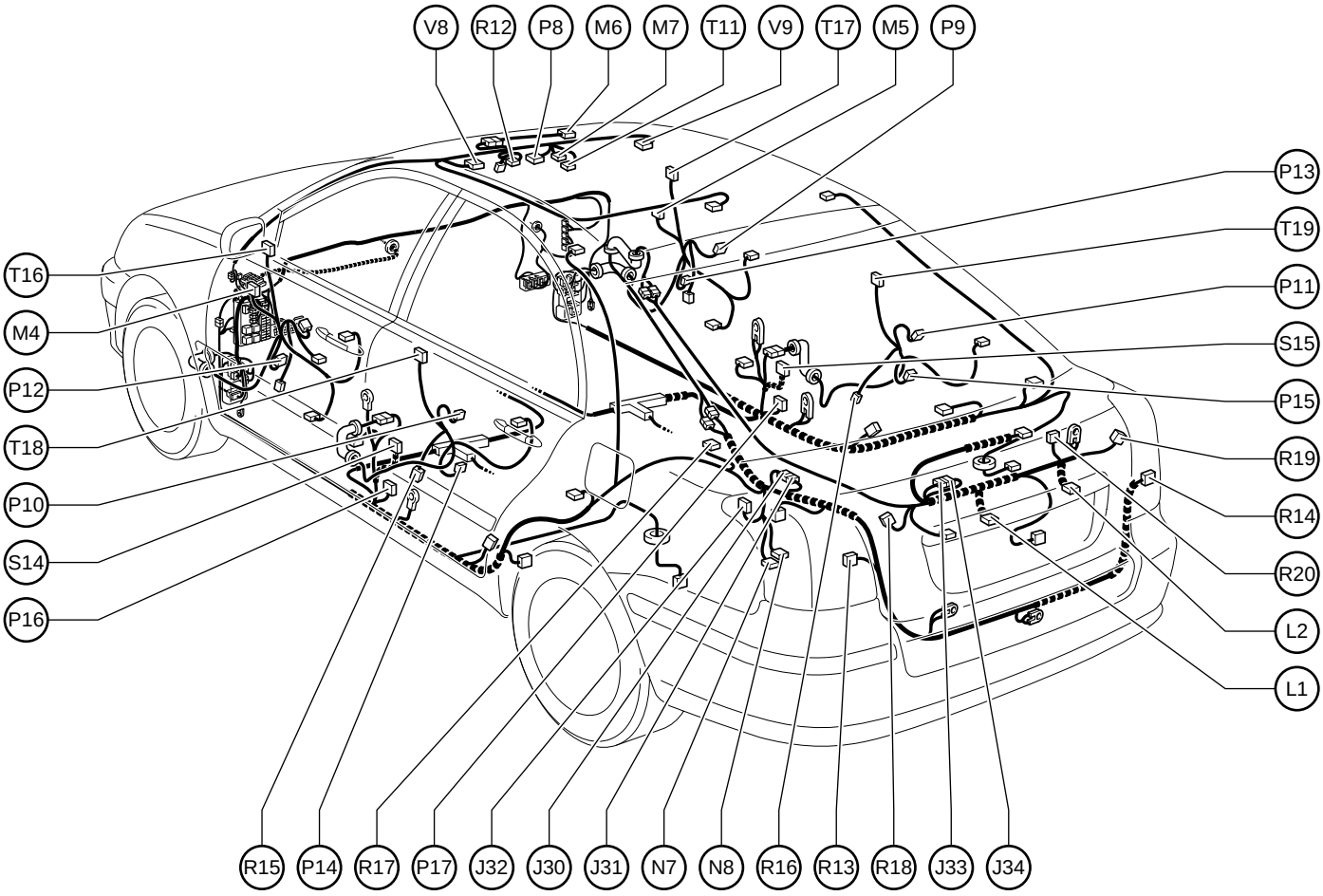
F 21 Front Door Speaker LH
F 22 Front Door Speaker RH
F 23 Fuel Lid Opener Motor
F 24 Fuel Lid Opener SW
F 25 Fuel Pump
Fuel Sender

H19 Height Control Sensor (Rear)
H20 High Mounted Stop Light

I 15 Inner Mirror
I 16 Interior Light

Position of Parts in Body

[LHD : L/B]



J 30 Junction Connector
J 31 Junction Connector
J 32 Junction Connector
J 33 Junction Connector
J 34 Junction Connector

L 1 License Plate Light LH
L 2 License Plate Light RH

M 4 Mirror Heater LH
Remote Control Mirror LH
M 5 Mirror Heater RH
Remote Control Mirror RH
M 6 Moon Roof Control Relay and Motor
M 7 Moon Roof Control SW

N 7 Noise Filter (Rear Window Defogger No.2)
N 8 Noise Filter (Stop Light)

P 8 Personal Light
P 9 Power Window Control SW (Front Passenger Side)
P 10 Power Window Control SW Rear LH
P 11 Power Window Control SW Rear RH
P 12 Power Window Motor Front LH
P 13 Power Window Motor Front RH
P 14 Power Window Motor Rear LH
P 15 Power Window Motor Rear RH
P 16 Pretensioner LH
P 17 Pretensioner RH

R 12 Rain Sensor
R 13 Rear Combination Light LH
R 14 Rear Combination Light RH
R 15 Rear Door Speaker LH
R 16 Rear Door Speaker RH
R 17 Rear Interior Light
R 18 Rear Window Defogger
R 19 Rear Window Defogger
R 20 Rear Wiper Motor and Relay

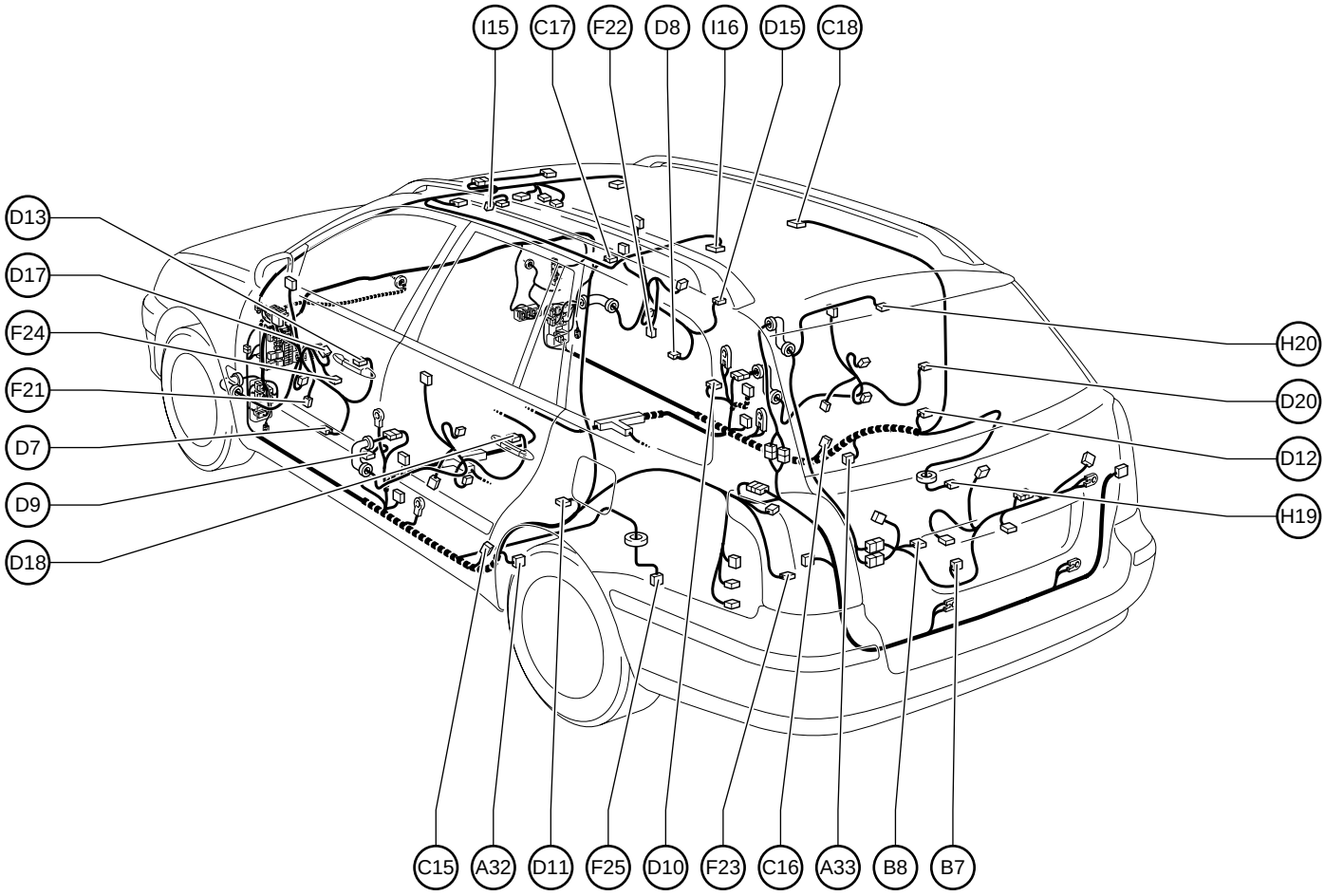
S 14 Side Airbag Sensor LH
S 15 Side Airbag Sensor RH

T 11 Telephone Microphone Amplifier
T 16 Tweeter Front LH
T 17 Tweeter Front RH
T 18 Tweeter Rear LH
T 19 Tweeter Rear RH

V 8 Vanity Light LH
V 9 Vanity Light RH

Position of Parts in Body

[LHD : W/G]



A32 ABS Speed Sensor Rear LH
A33 ABS Speed Sensor Rear RH

B 7 Back Door Courtesy SW
Back Door Lock Motor
B 8 Back Door Opener SW

C15 Curtain Shield Airbag Sensor LH
C16 Curtain Shield Airbag Sensor RH
C17 Curtain Shield Airbag Squib LH
C18 Curtain Shield Airbag Squib RH

D 7 Door Courtesy Light LH
D 8 Door Courtesy Light RH
D 9 Door Courtesy SW Front LH
D10 Door Courtesy SW Front RH
D11 Door Courtesy SW Rear LH
D12 Door Courtesy SW Rear RH
D13 Door Key Lock and Unlock SW (Driver's Side)
Door Lock Control Motor (Driver's Side)
Door Unlock Detection SW (Driver's Side)
D15 Door Lock Control Motor (Front Passenger's Side)
D17 Door Lock Control SW
Power Window Master SW
D18 Door Lock Motor Rear LH
D20 Door Lock Motor Rear RH

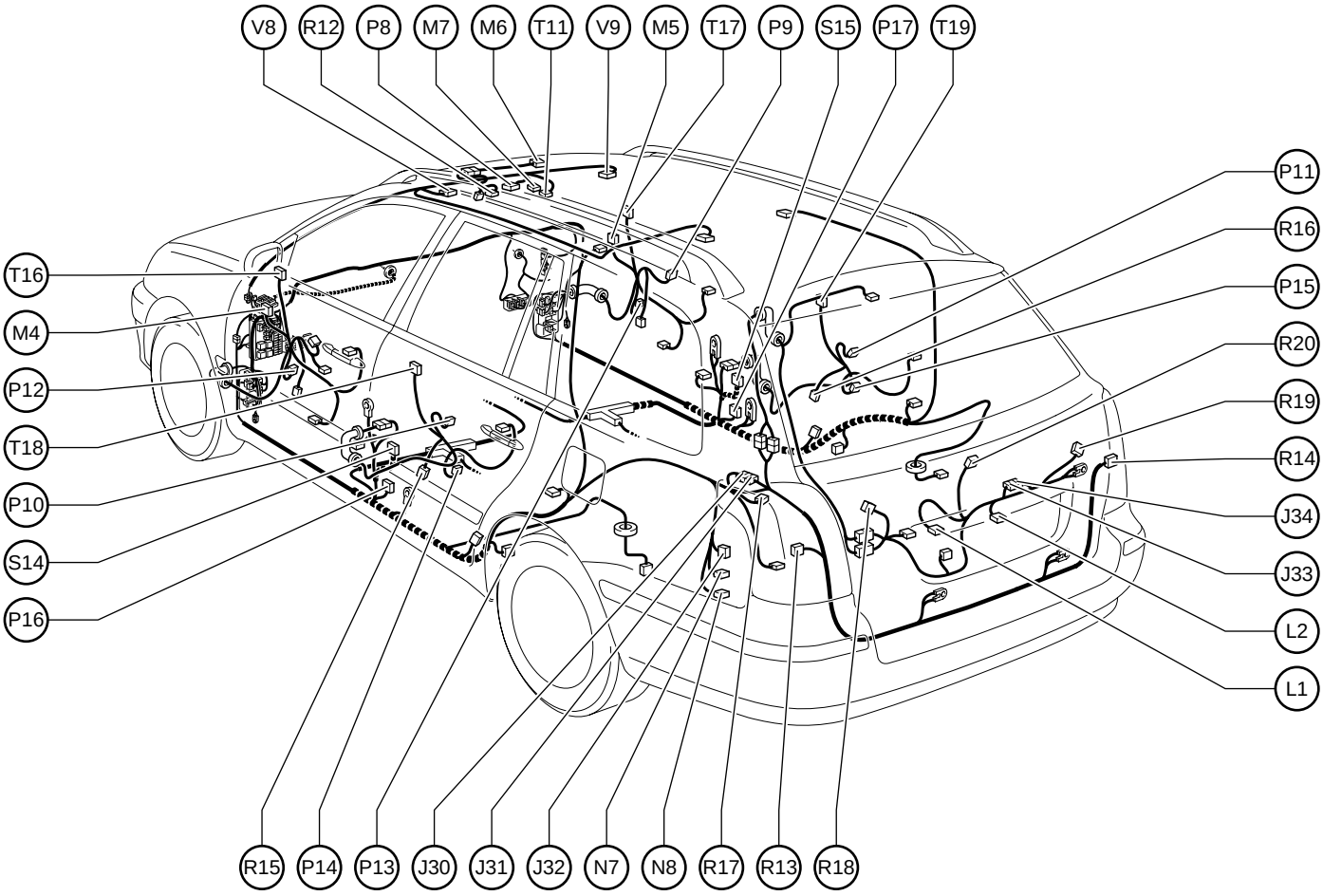
F 21 Front Door Speaker LH
F 22 Front Door Speaker RH
F 23 Fuel Lid Opener Motor
F 24 Fuel Lid Opener SW
F 25 Fuel Pump
Fuel Sender

H19 Height Control Sensor (Rear)
H20 High Mounted Stop Light

I 15 Inner Mirror
I 16 Interior Light

Position of Parts in Body

[LHD : W/G]



J 30 Junction Connector
J 31 Junction Connector
J 32 Junction Connector
J 33 Junction Connector
J 34 Junction Connector

L 1 License Plate Light LH
L 2 License Plate Light RH

M 4 Mirror Heater LH
Remote Control Mirror LH
M 5 Mirror Heater RH
Remote Control Mirror RH
M 6 Moon Roof Control Relay and Motor
M 7 Moon Roof Control SW

N 7 Noise Filter (Rear Window Defogger No.2)
N 8 Noise Filter (Stop Light)

P 8 Personal Light
P 9 Power Window Control SW (Front Passenger Side)
P 10 Power Window Control SW Rear LH
P 11 Power Window Control SW Rear RH
P 12 Power Window Motor Front LH
P 13 Power Window Motor Front RH
P 14 Power Window Motor Rear LH
P 15 Power Window Motor Rear RH
P 16 Pretensioner LH
P 17 Pretensioner RH

R 12 Rain Sensor
R 13 Rear Combination Light LH
R 14 Rear Combination Light RH
R 15 Rear Door Speaker LH
R 16 Rear Door Speaker RH
R 17 Rear Interior Light
R 18 Rear Window Defogger
R 19 Rear Window Defogger
R 20 Rear Wiper Motor and Relay

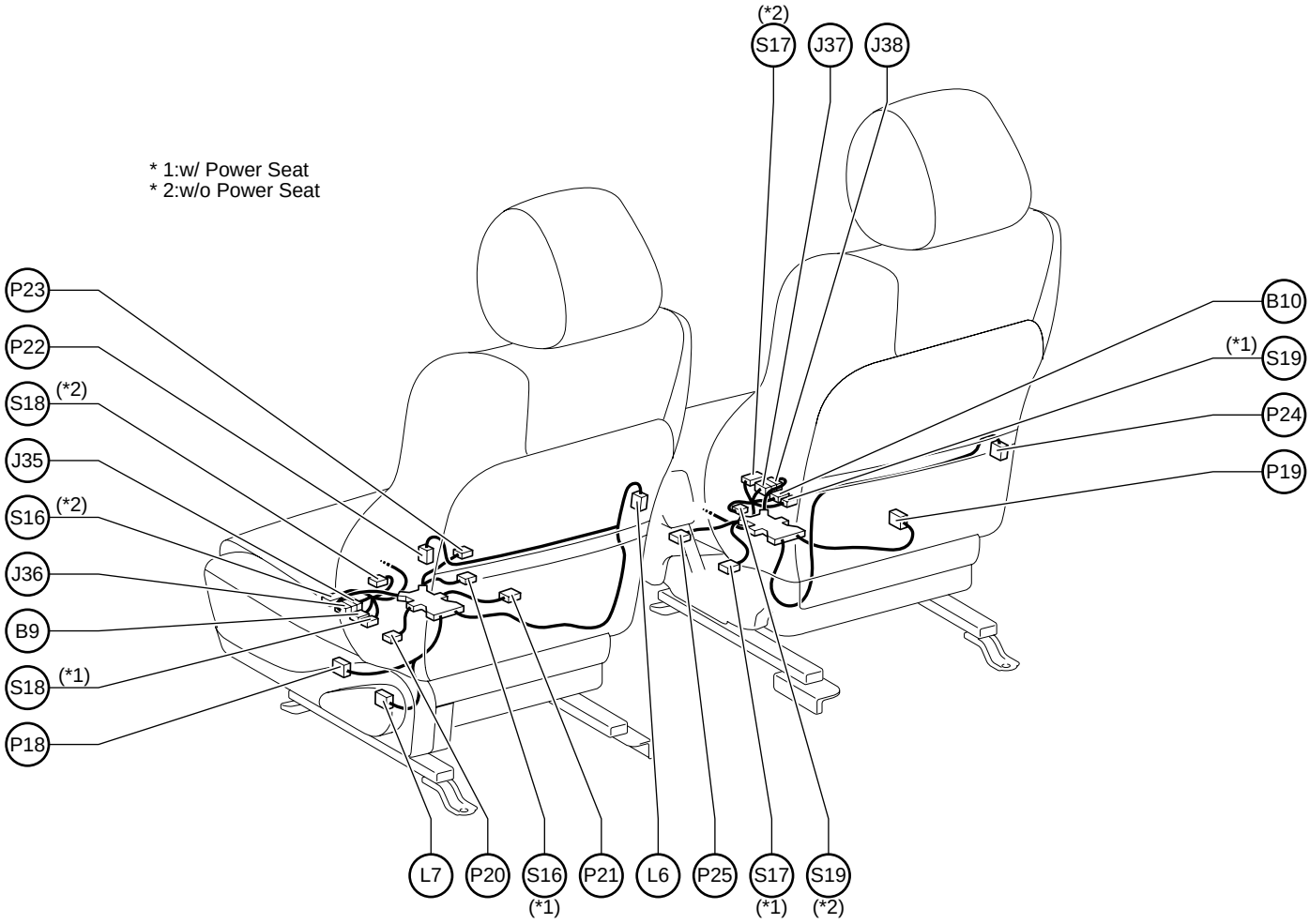
S 14 Side Airbag Sensor LH
S 15 Side Airbag Sensor RH

T 11 Telephone Microphone Amplifier
T 16 Tweeter Front LH
T 17 Tweeter Front RH
T 18 Tweeter Rear LH
T 19 Tweeter Rear RH

V 8 Vanity Light LH
V 9 Vanity Light RH

Position of Parts in Seat

[LHD]



B 9 Buckle SW (Driver's Side)
B10 Buckle SW (Front Passenger's Side) Occupant Detection Sensor

J 35 Junction Connector
J 36 Junction Connector
J 37 Junction Connector
J 38 Junction Connector

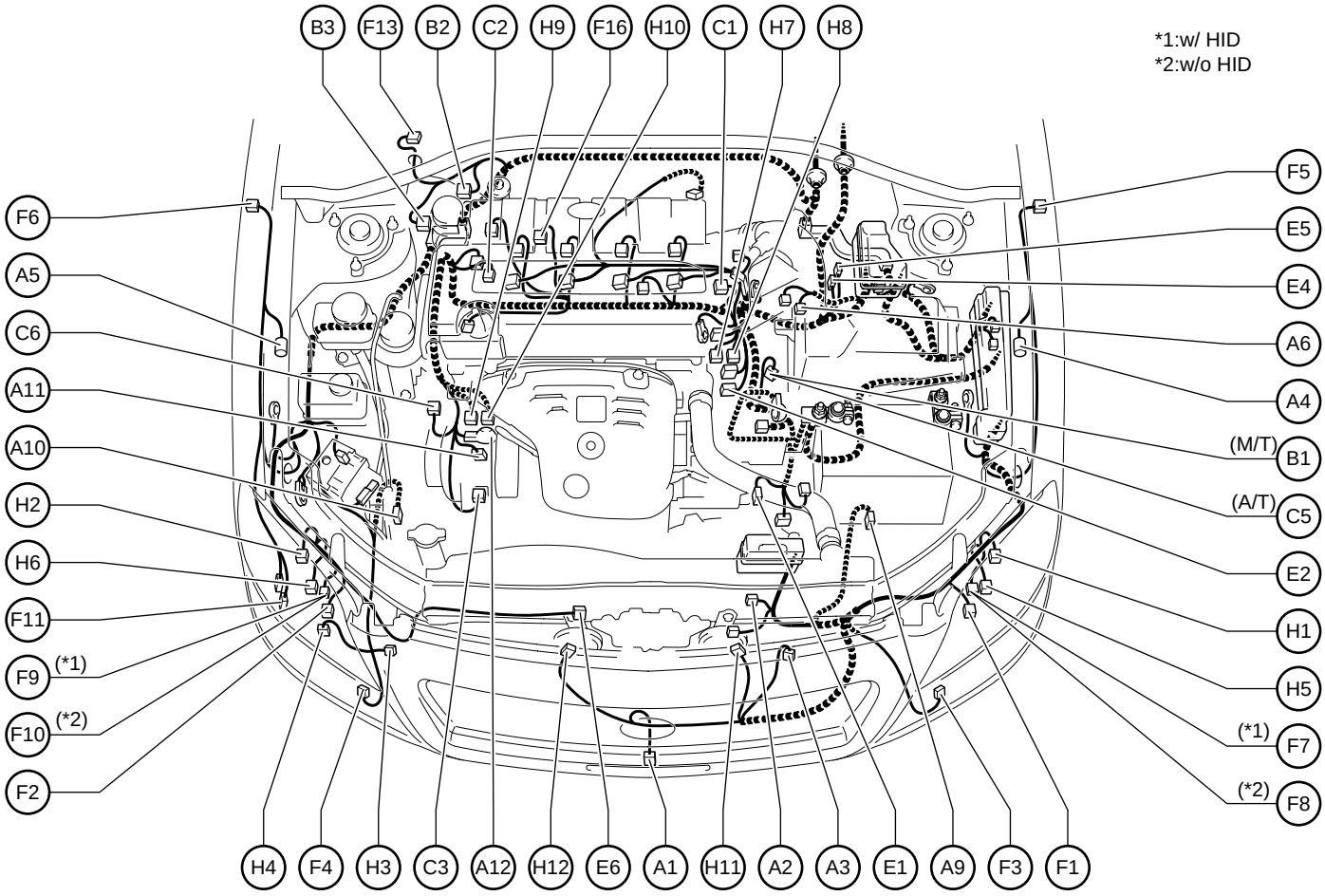
L 6 Lumbar Support Control Motor
L 7 Lumbar Support Control SW

P18 Power Seat Control SW (Driver's Seat)
P19 Power Seat Control SW (Front Passenger's Seat)
P20 Power Seat Motor (Driver's Seat Front Vertical Control)
P21 Power Seat Motor (Driver's Seat Lifter Control)
P22 Power Seat Motor (Driver's Seat Reclining Control)
P23 Power Seat Motor (Driver's Seat Slide Control)
P24 Power Seat Motor (Front Passenger's Seat Reclining Control)
P25 Power Seat Motor (Front Passenger's Seat Slide Control)

S16 Seat Heater LH
S17 Seat Heater RH
S18 Side Airbag Squib LH
S19 Side Airbag Squib RH

Position of Parts in Engine Compartment

[RHD : 1AZ–FSE]



A 1 A/C Ambient Temp. Sensor
A 2 A/C Condenser Fan Motor
A 3 A/C Pressure Sensor
A 4 ABS Speed Sensor Front LH
A 5 ABS Speed Sensor Front RH
A 6 Air Flow Meter
A 9 Airbag Sensor Front LH
A10 Airbag Sensor Front RH
A11 Alternator
A12 Alternator

B 1 Back–Up Light SW
B 2 Brake Booster Pressure Sensor
B 3 Brake Fluid Level Warning SW

C 1 Camshaft Position Sensor
C 2 Camshaft Timing Oil Control Valve
C 3 Compressor Assembly
C 5 Counter Gear Speed Sensor
C 6 Crankshaft Position Sensor

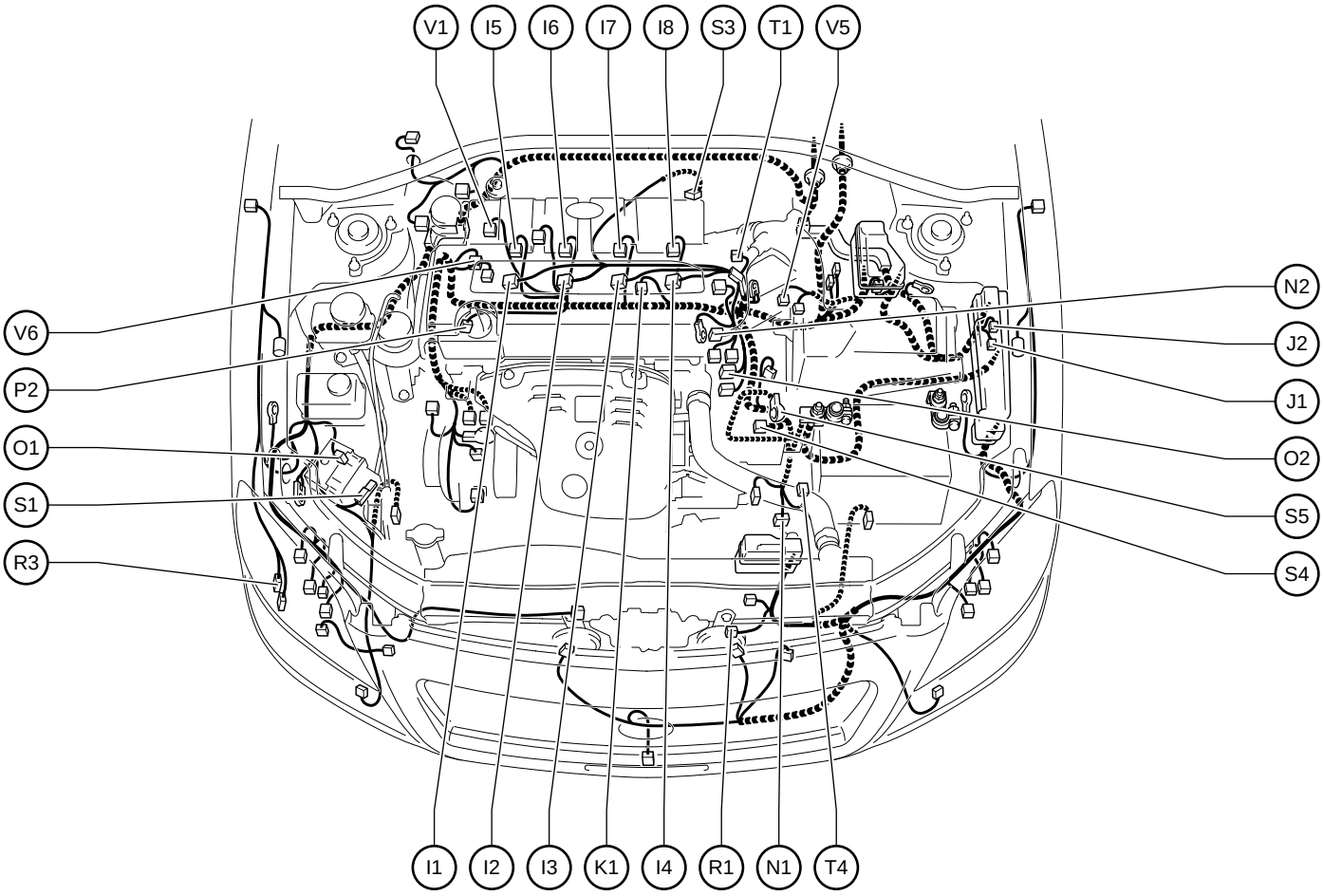
E 1 ECT Solenoid
E 2 EFI Water Temp. Sensor
E 4 Electronic Driver Unit
E 5 Electronic Driver Unit
E 6 Engine Hood Courtesy SW

F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 3 Front Fog Light LH
F 4 Front Fog Light RH
F 5 Front Side Turn Signal Light LH
F 6 Front Side Turn Signal Light RH
F 7 Front Turn Signal Light LH
Headlight Control ECU LH
F 8 Front Turn Signal Light LH
Headlight LH (Low)
F 9 Front Turn Signal Light RH
Headlight Control ECU RH
F10 Front Turn Signal Light RH
Headlight RH (Low)
F11 Front Washer Motor
F13 Front Wiper Motor
F16 Fuel Pressure Sensor

H 1 Headlight Beam Level Control Actuator LH
H 2 Headlight Beam Level Control Actuator RH
H 3 Headlight Cleaner Control Relay
H 4 Headlight Cleaner Motor
H 5 Headlight LH (High)
H 6 Headlight RH (High)
H 7 Heated Oxygen Sensor (Bank 1 Sensor 1)
H 8 Heated Oxygen Sensor (Bank 1 Sensor 2)
H 9 Heated Oxygen Sensor (Bank 2 Sensor 1)
H10 Heated Oxygen Sensor (Bank 2 Sensor 2)
H11 Horn LH
H12 Horn RH

Position of Parts in Engine Compartment

[RHD : 1AZ–FSE]



I 1 Ignition Coil and Igniter No.1
I 2 Ignition Coil and Igniter No.2
I 3 Ignition Coil and Igniter No.3
I 4 Ignition Coil and Igniter No.4
I 5 Injector No.1
I 6 Injector No.2
I 7 Injector No.3
I 8 Injector No.4

J 1 Junction Connector
J 2 Junction Connector

K 1 Knock Sensor

N 1 Neutral Start SW
N 2 Noise Filter (Ignition)

O 1 Oil Pressure Sensor
O 2 Oil Pressure SW

P 2 Power Steering Oil Pressure SW

R 1 Radiator Fan Motor
R 3 Rear Washer Motor

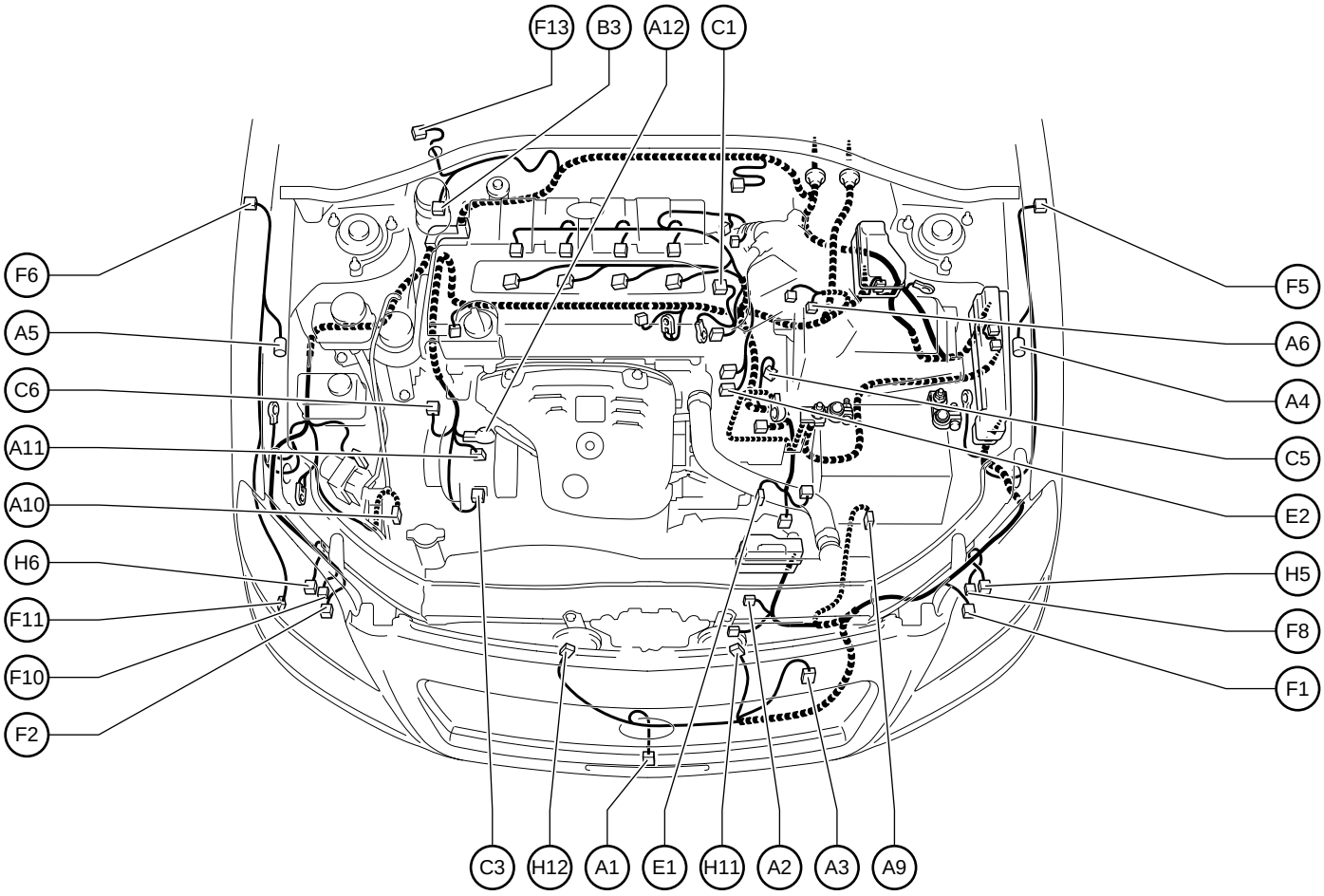
S 1 Skid Control ECU with Actuator
S 3 Spill Valve
S 4 Starter
S 5 Starter

T 1 Throttle Control Motor and Position Sensor
T 4 Turbine Speed Sensor

V 1 Vacuum Sensor
V 5 VSV (EVAP)
V 6 VSV (Intake Air Control Valve)

Position of Parts in Engine Compartment

[RHD : 1AZ–FE]



A 1 A/C Ambient Temp. Sensor
A 2 A/C Condenser Fan Motor
A 3 A/C Pressure Sensor
A 4 ABS Speed Sensor Front LH
A 5 ABS Speed Sensor Front RH
A 6 Air Flow Meter
A 9 Airbag Sensor Front LH
A10 Airbag Sensor Front RH
A11 Alternator
A12 Alternator

B 3 Brake Fluid Level Warning SW

C 1 Camshaft Position Sensor
C 3 Compressor Assembly
C 5 Counter Gear Speed Sensor
C 6 Crankshaft Position Sensor

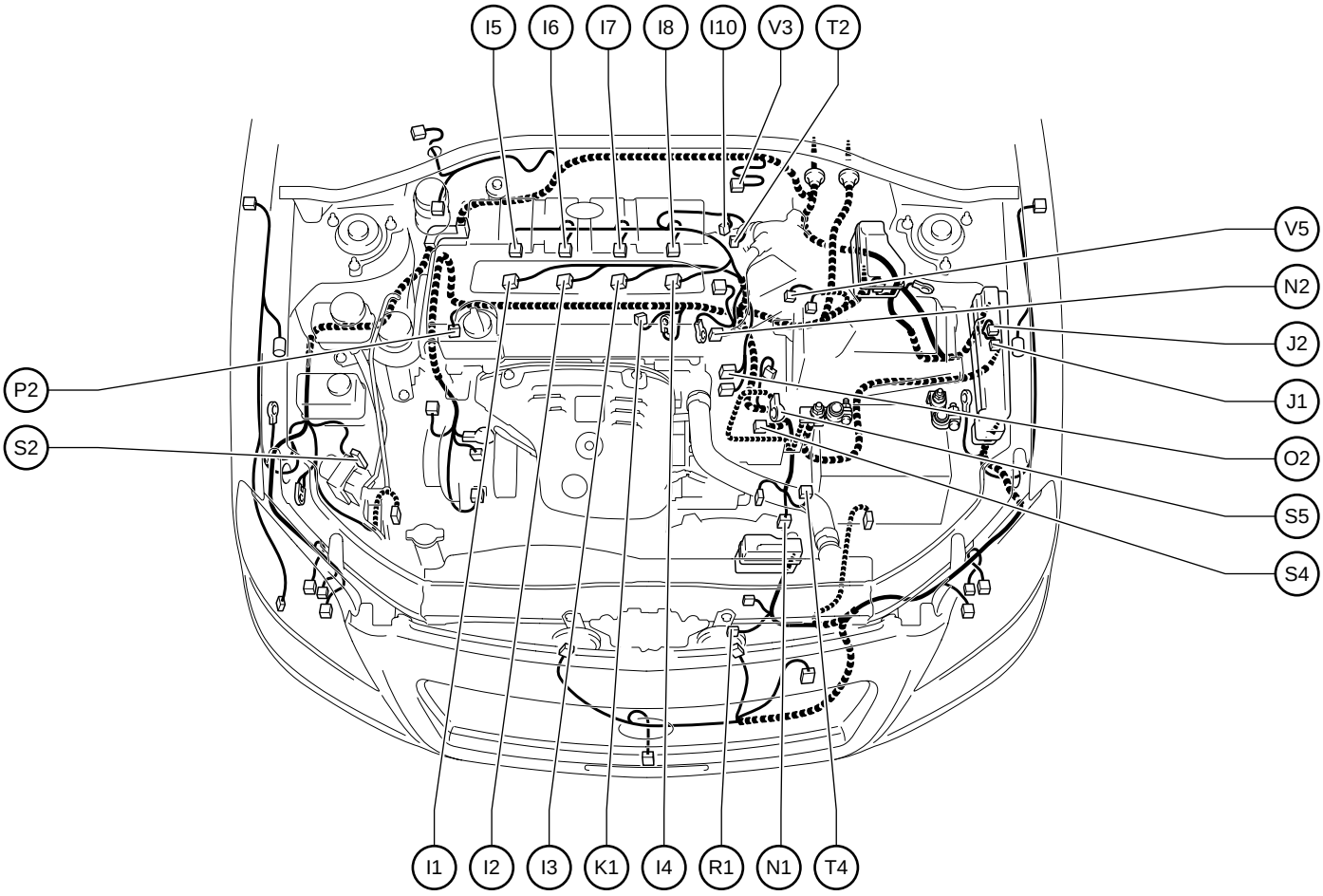
E 1 ECT Solenoid
E 2 EFI Water Temp. Sensor

F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 5 Front Side Turn Signal Light LH
F 6 Front Side Turn Signal Light RH
F 8 Front Turn Signal Light LH
Headlight LH (Low)
F10 Front Turn Signal Light RH
Headlight RH (Low)
F11 Front Washer Motor
F13 Front Wiper Motor

H 5 Headlight LH (High)
H 6 Headlight RH (High)
H11 Horn LH
H12 Horn RH

Position of Parts in Engine Compartment

[RHD : 1AZ–FE]



I 1 Ignition Coil and Igniter No.1
I 2 Ignition Coil and Igniter No.2
I 3 Ignition Coil and Igniter No.3
I 4 Ignition Coil and Igniter No.4
I 5 Injector No.1
I 6 Injector No.2
I 7 Injector No.3
I 8 Injector No.4
I 10 ISC Valve

J 1 Junction Connector
J 2 Junction Connector

K 1 Knock Sensor

N 1 Neutral Start SW
N 2 Noise Filter (Ignition)

O 2 Oil Pressure SW

P 2 Power Steering Oil Pressure SW

R 1 Radiator Fan Motor

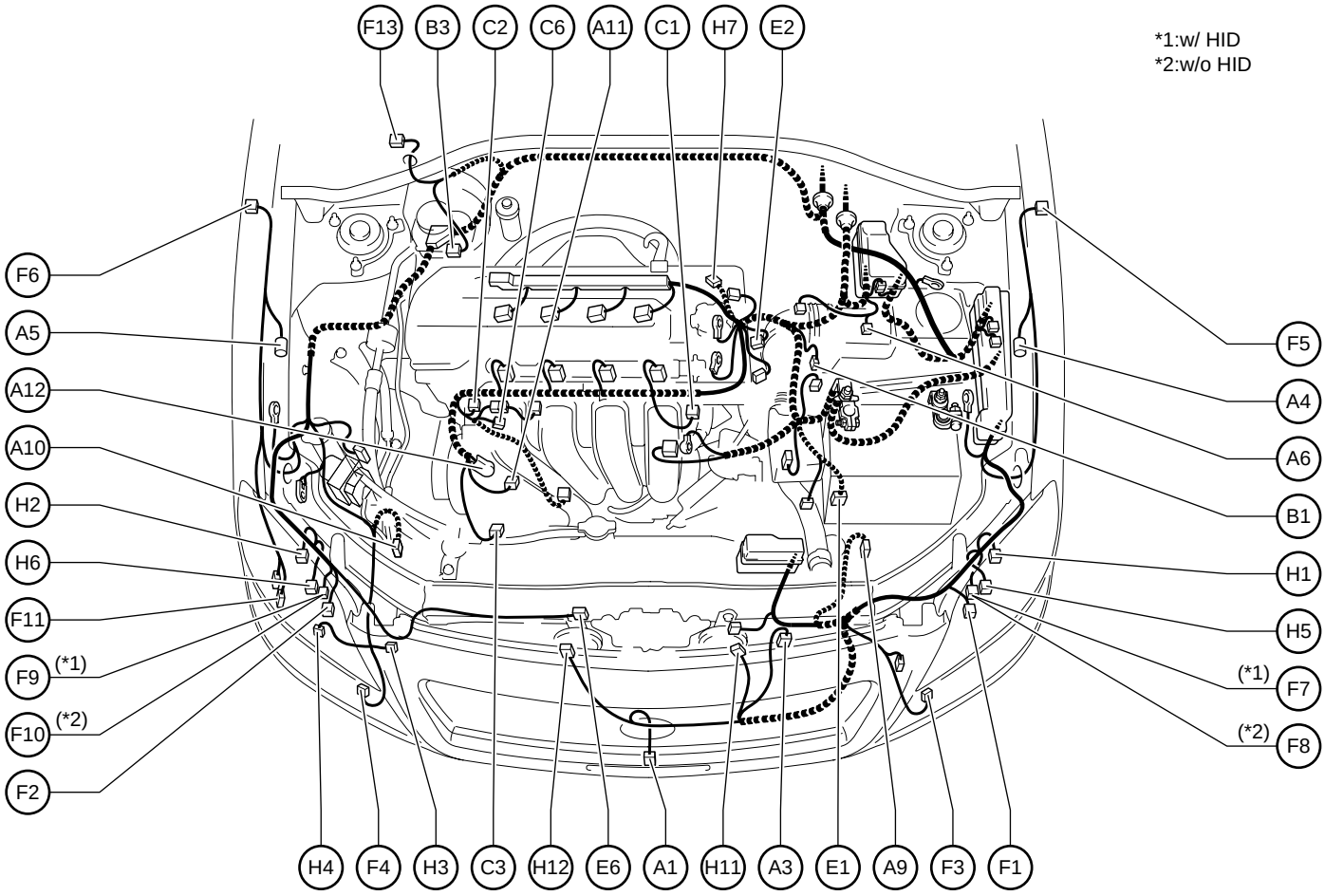
S 2 Skid Control ECU with Actuator
S 4 Starter
S 5 Starter

T 2 Throttle Position Sensor
T 4 Turbine Speed Sensor

V 3 Variable Resistor
V 5 VSV (EVAP)

Position of Parts in Engine Compartment

[RHD : 1ZZ–FE, 3ZZ–FE]



A 1 A/C Ambient Temp. Sensor
A 3 A/C Pressure Sensor
A 4 ABS Speed Sensor Front LH
A 5 ABS Speed Sensor Front RH
A 6 Air Flow Meter
A 9 Airbag Sensor Front LH
A10 Airbag Sensor Front RH
A11 Alternator
A12 Alternator

B 1 Back–Up Light SW
B 3 Brake Fluid Level Warning SW

C 1 Camshaft Position Sensor
C 2 Camshaft Timing Oil Control Valve
C 3 Compressor Assembly
C 6 Crankshaft Position Sensor

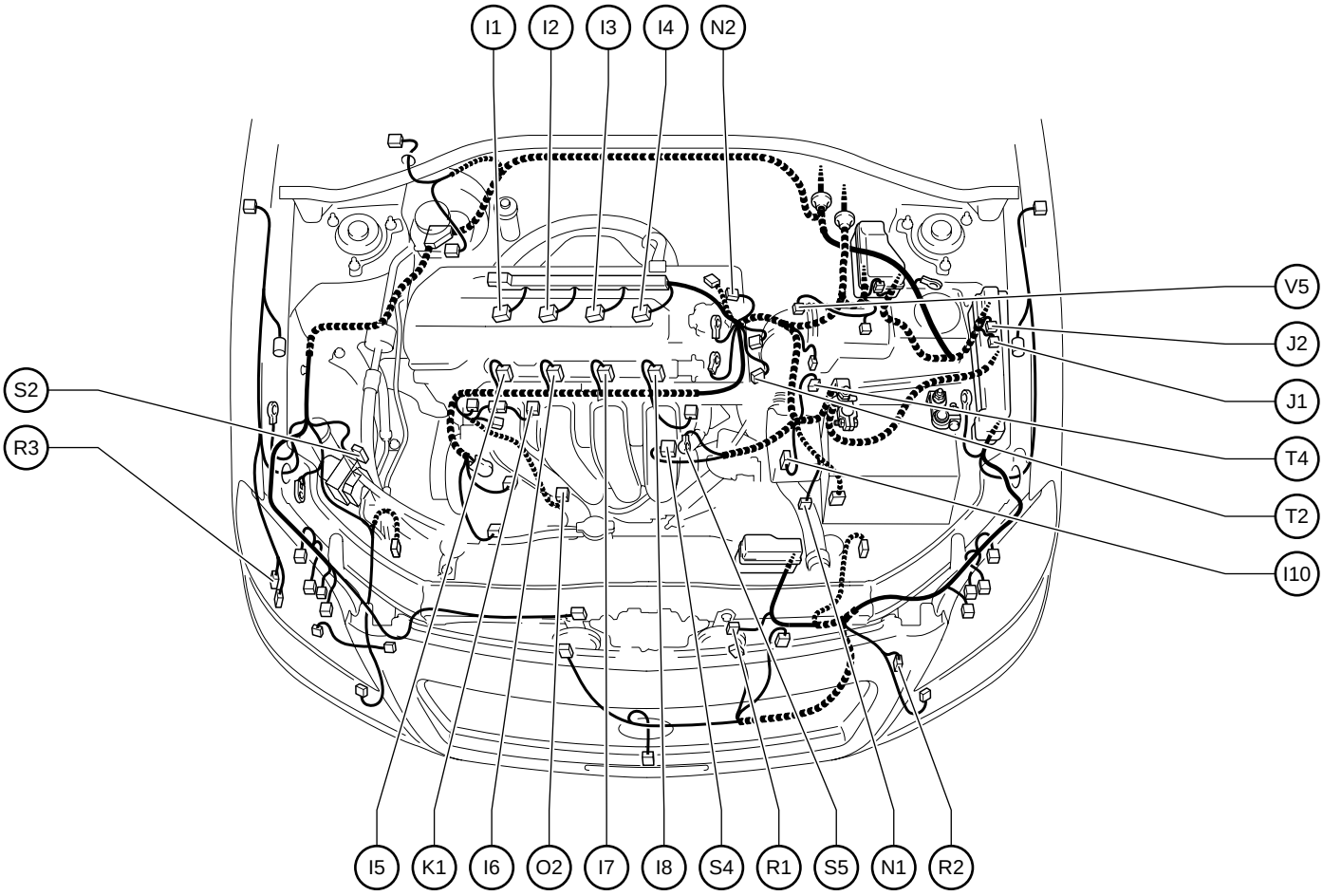
E 1 ECT Solenoid
E 2 EFI Water Temp. Sensor
E 6 Engine Hood Courtesy SW

F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 3 Front Fog Light LH
F 4 Front Fog Light RH
F 5 Front Side Turn Signal Light LH
F 6 Front Side Turn Signal Light RH
F 7 Front Turn Signal Light LH
Headlight Control ECU LH
F 8 Front Turn Signal Light LH
Headlight LH (Low)
F 9 Front Turn Signal Light RH
Headlight Control ECU RH
F10 Front Turn Signal Light RH
Headlight RH (Low)
F11 Front Washer Motor
F13 Front Wiper Motor

H 1 Headlight Beam Level Control Actuator LH
H 2 Headlight Beam Level Control Actuator RH
H 3 Headlight Cleaner Control Relay
H 4 Headlight Cleaner Motor
H 5 Headlight LH (High)
H 6 Headlight RH (High)
H 7 Heated Oxygen Sensor (Bank 1 Sensor 1)
H11 Horn LH
H12 Horn RH

Position of Parts in Engine Compartment

[RHD : 1ZZ–FE, 3ZZ–FE]



I 1 Ignition Coil and Igniter No.1
I 2 Ignition Coil and Igniter No.2
I 3 Ignition Coil and Igniter No.3
I 4 Ignition Coil and Igniter No.4
I 5 Injector No.1
I 6 Injector No.2
I 7 Injector No.3
I 8 Injector No.4
I 10 ISC Valve

J 1 Junction Connector
J 2 Junction Connector

K 1 Knock Sensor

N 1 Neutral Start SW
N 2 Noise Filter (Ignition)

O 2 Oil Pressure SW

R 1 Radiator Fan Motor
R 2 Radiator Fan Resistor
R 3 Rear Washer Motor

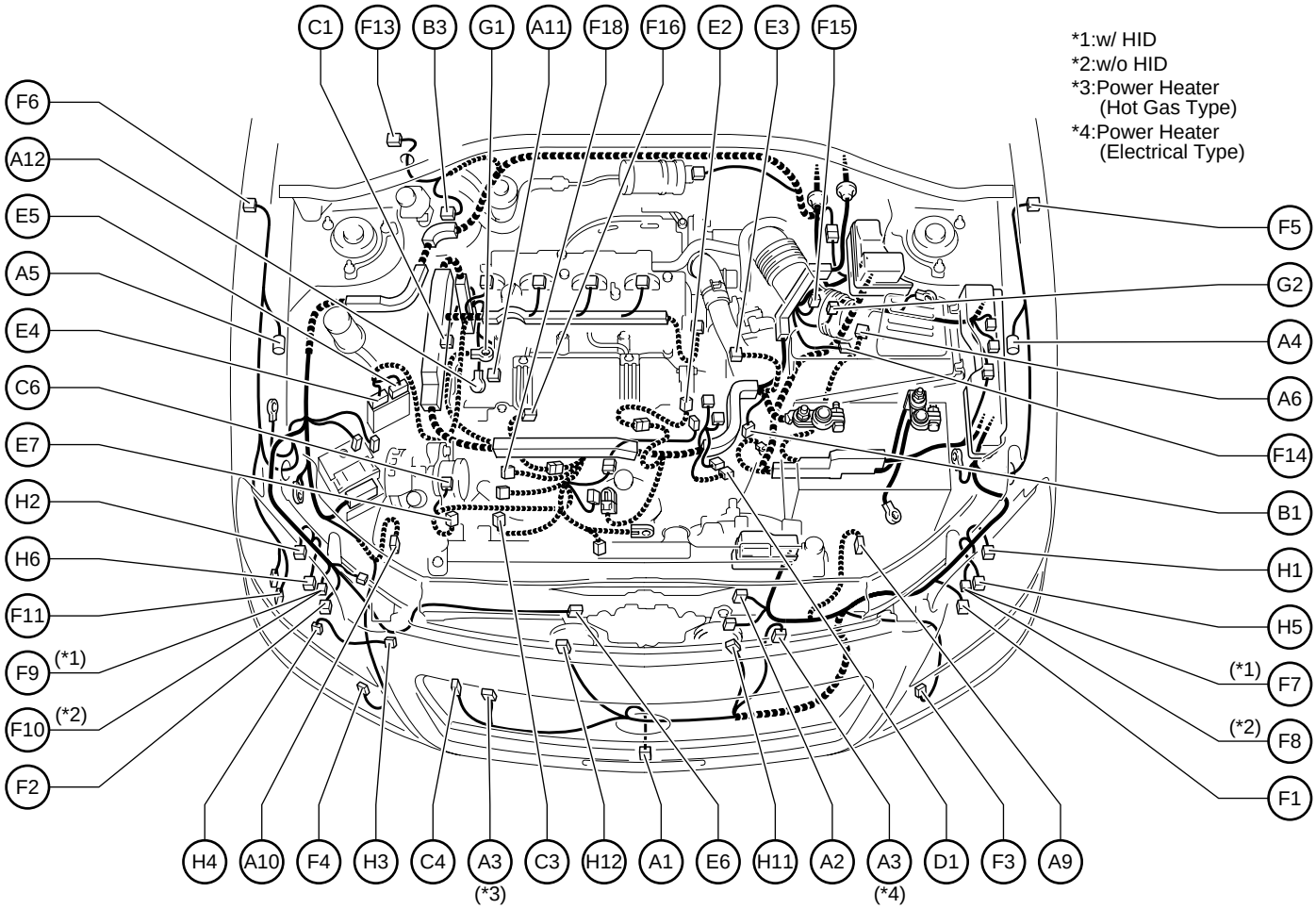
S 2 Skid Control ECU with Actuator
S 4 Starter
S 5 Starter

T 2 Throttle Position Sensor
T 4 Turbine Speed Sensor

V 5 VSV (EVAP)

Position of Parts in Engine Compartment

[RHD : 1CD–FTV]



A 1 A/C Ambient Temp. Sensor
A 2 A/C Condenser Fan Motor
A 3 A/C Pressure Sensor
A 4 ABS Speed Sensor Front LH
A 5 ABS Speed Sensor Front RH
A 6 Air Flow Meter
A 9 Airbag Sensor Front LH
A10 Airbag Sensor Front RH
A11 Alternator
A12 Alternator

B 1 Back–Up Light SW
B 3 Brake Fluid Level Warning SW

C 1 Camshaft Position Sensor
C 3 Compressor Assembly
C 4 Condenser Assembly
C 6 Crankshaft Position Sensor

D 1 Diesel Throttle Control Motor

E 2 EFI Water Temp. Sensor
E 3 EGR Valve Control Motor
E 4 Electronic Driver Unit
E 5 Electronic Driver Unit
E 6 Engine Hood Courtesy SW
E 7 Engine Oil Level Sensor

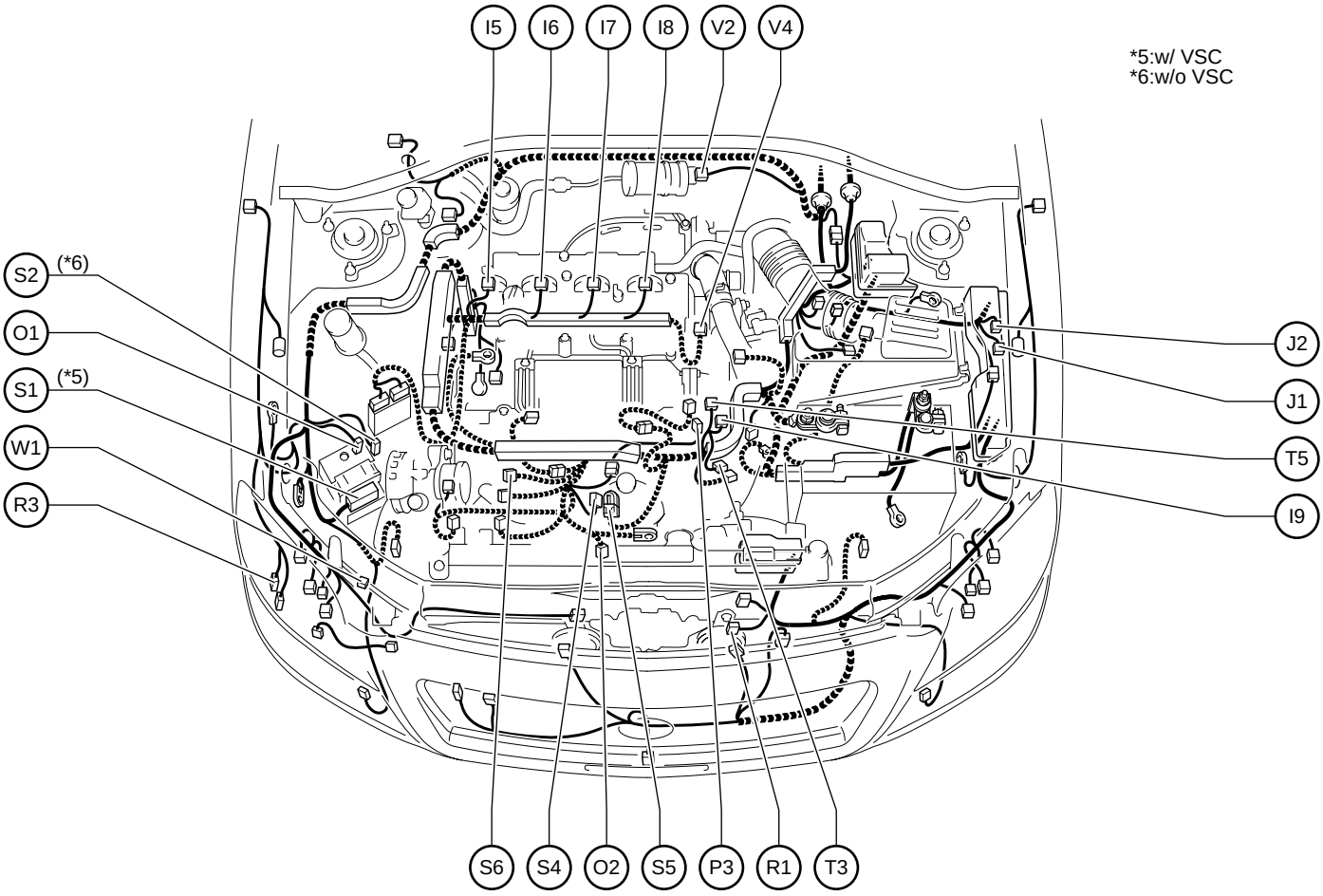
F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 3 Front Fog Light LH
F 4 Front Fog Light RH
F 5 Front Side Turn Signal Light LH
F 6 Front Side Turn Signal Light RH
F 7 Front Turn Signal Light LH
Headlight Control ECU LH
F 8 Front Turn Signal Light LH
Headlight LH (Low)
F 9 Front Turn Signal Light RH
Headlight Control ECU RH
F10 Front Turn Signal Light RH
Headlight RH (Low)
F11 Front Washer Motor
F13 Front Wiper Motor
F14 Fuel Filter Warning SW
F15 Fuel Heater
F16 Fuel Pressure Sensor
F18 Fuel Temp. Sensor

G 1 Glow Plug
G 2 Glow Plug Relay

H 1 Headlight Beam Level Control Actuator LH
H 2 Headlight Beam Level Control Actuator RH
H 3 Headlight Cleaner Control Relay
H 4 Headlight Cleaner Motor
H 5 Headlight LH (High)
H 6 Headlight RH (High)
H11 Horn LH
H12 Horn RH

Position of Parts in Engine Compartment

[RHD : 1CD–FTV]



I 5 Injector No.1
I 6 Injector No.2
I 7 Injector No.3
I 8 Injector No.4
I 9 Intake Air Temp. Sensor

J 1 Junction Connector
J 2 Junction Connector

O 1 Oil Pressure Sensor
O 2 Oil Pressure SW

P 3 Pressure Discharge Valve

R 1 Radiator Fan Motor
R 3 Rear Washer Motor

S 1 Skid Control ECU with Actuator
S 2 Skid Control ECU with Actuator
S 4 Starter
S 5 Starter
S 6 Suction Control Valve

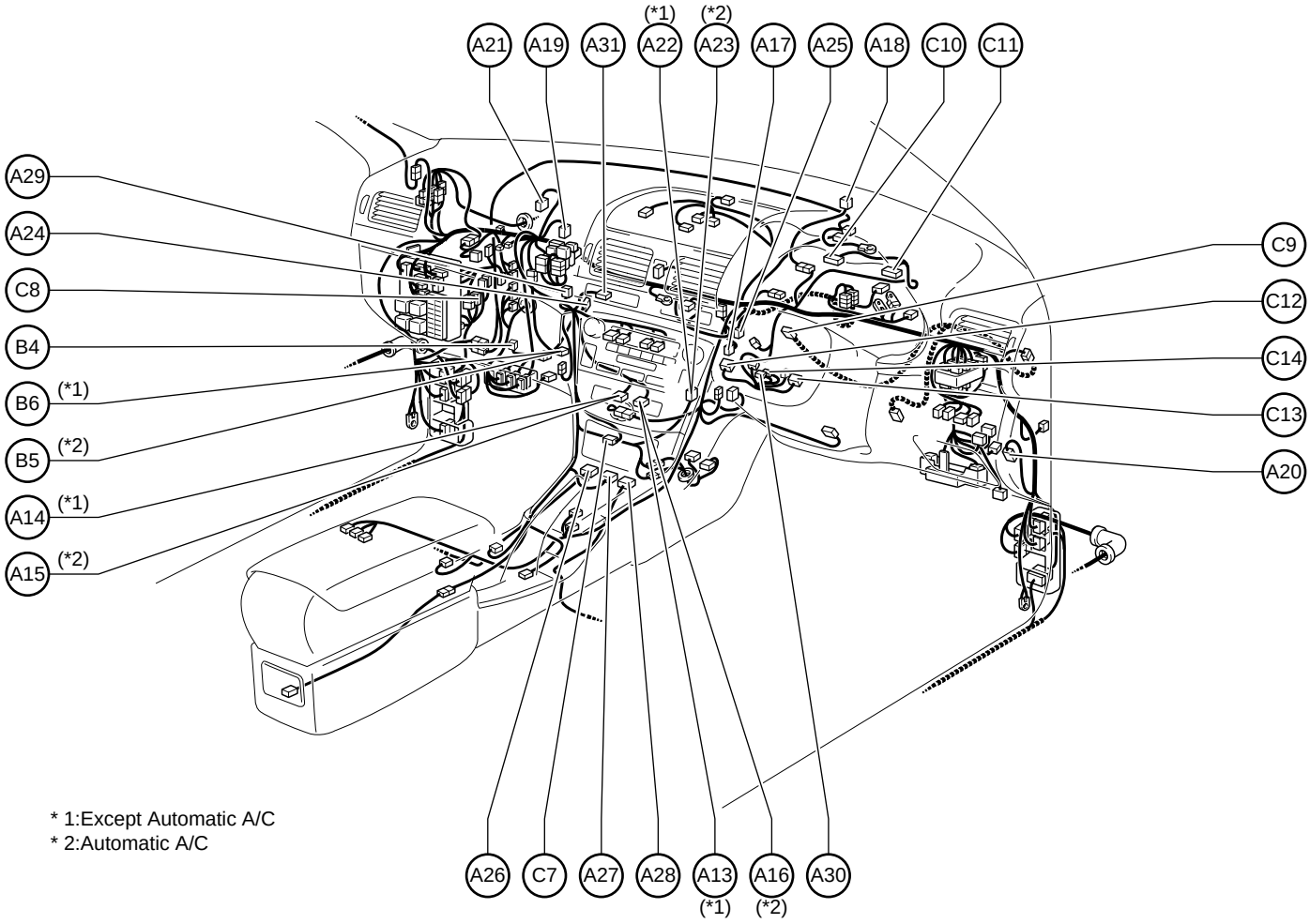
T 3 Throttle Position SW
T 5 Turbo Pressure Sensor

V 2 Vacuum SW
V 4 VRV (EGR)

W 1 Water Temp. SW (Radiator Fan)

Position of Parts in Instrument Panel

[RHD]



* 1:Except Automatic A/C
* 2:Automatic A/C

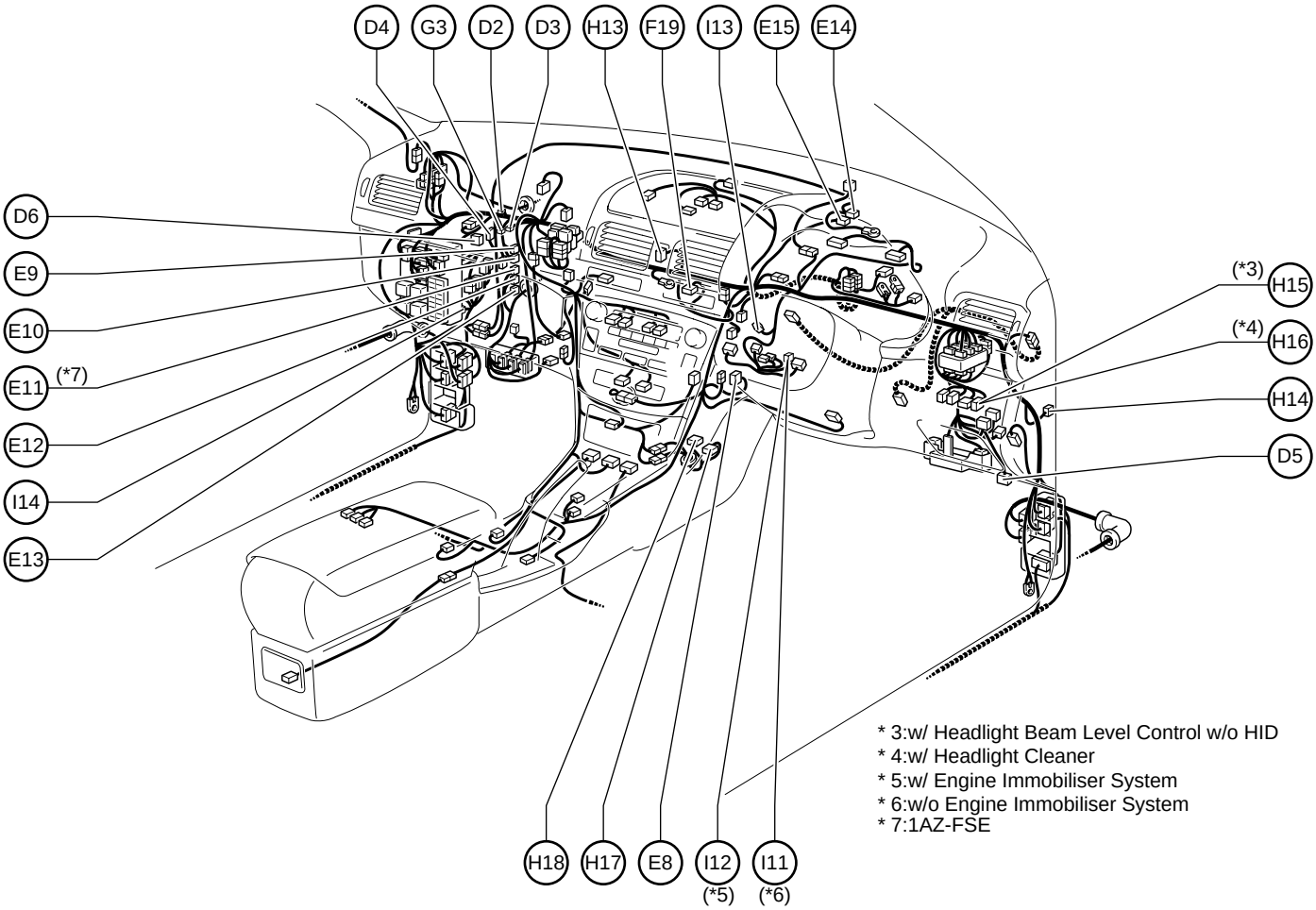
A13 A/C Control Assembly
A14 A/C Control Assembly
A15 A/C Control Assembly
A16 A/C Control Assembly
A17 A/C Room Temp. Sensor
A18 A/C Solar Sensor
A19 A/C Thermistor
A20 Accel Position Sensor
A21 Air Inlet Control Servo Motor
A22 Air Mix Control Servo Motor
A23 Air Mix Control Servo Motor (Driver Side)
A24 Air Mix Control Servo Motor (Front Passenger Side)
A25 Air Vent Mode Control Servo Motor
A26 Airbag Sensor Assembly
A27 Airbag Sensor Assembly
A28 Airbag Sensor Assembly
A29 Airbag Squib (Front Passenger Airbag Assembly)
A30 Airbag Squib (Steering Wheel Pad)
A31 Antenna Amplifier

B 4 Blower Motor
B 5 Blower Motor Controller
B 6 Blower Resistor

C 7 Cigarette Lighter
Cigarette Lighter Illumination
C 8 Circuit Opening Relay
C 9 Clutch Start SW
C10 Combination Meter
C11 Combination Meter
C12 Combination SW
C13 Combination SW
C14 Combination SW

Position of Parts in Instrument Panel

[RHD]



D 2 Diode
D 3 Diode
D 4 Diode (Fan)
D 5 DLC3
D 6 Door Control Receiver

E 8 ECT Pattern Select SW
E 9 Engine and ECT ECU (A/T)
Engine ECU (M/T)
E 10 Engine and ECT ECU (A/T)
Engine ECU (M/T)
E 11 Engine and ECT ECU (A/T)
Engine ECU (M/T)
E 12 Engine and ECT ECU (A/T)
Engine ECU (M/T)
E 13 Engine and ECT ECU (A/T)
Engine ECU (M/T)
E 14 EPS ECU
E 15 EPS ECU

F 19 Front Passenger's Seat Belt Warning Light
Rear Window Defogger SW
Security Indicator Light

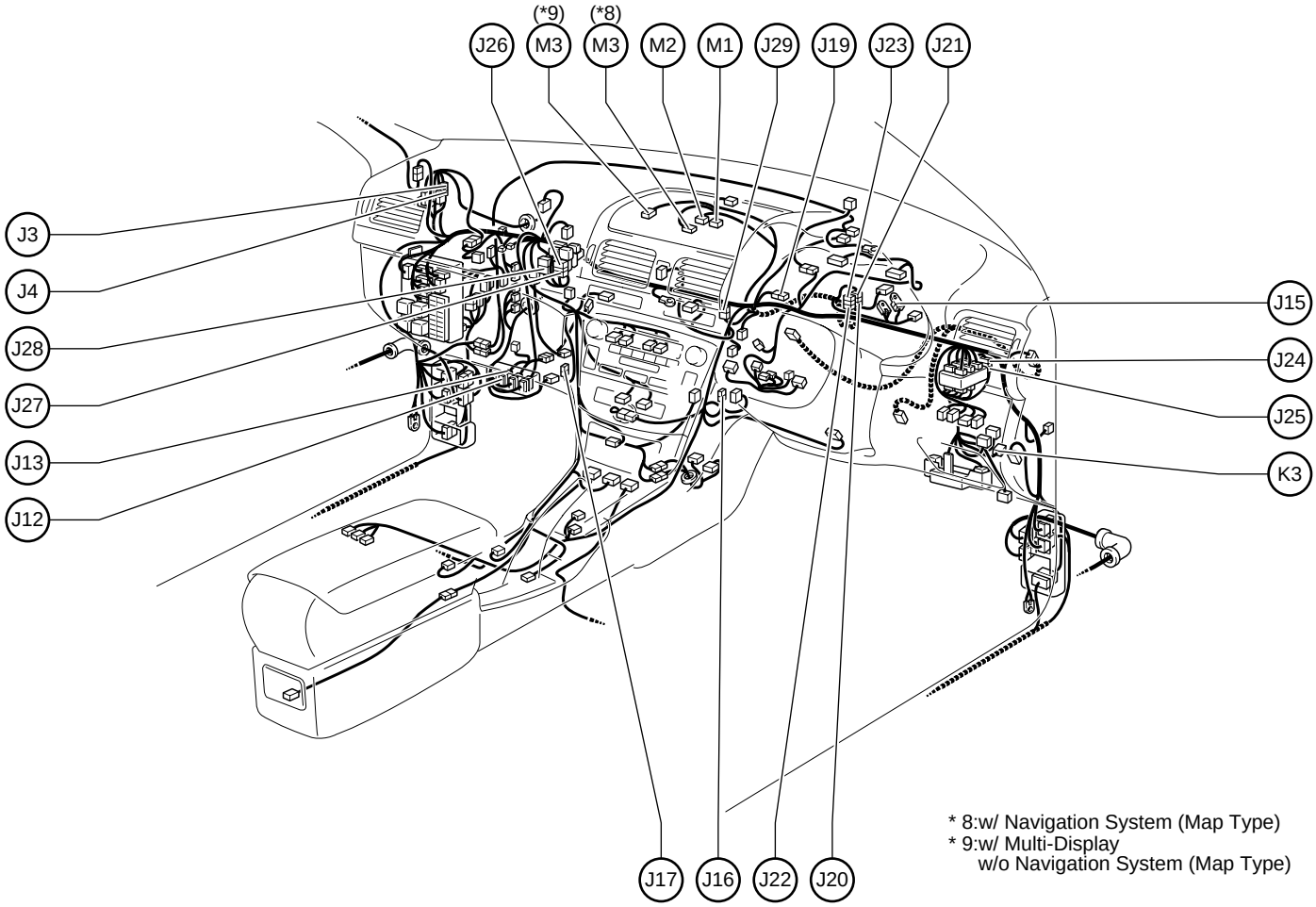
G 3 Glove Box Light

H13 Hazard SW
H14 Headlight Beam Level Control ECU
H15 Headlight Beam Level Control SW
H16 Headlight Cleaner SW
H17 Heated Oxygen Sensor (Bank 1 Sensor 2)
H18 Height Control Sensor (Front)

I 11 Ignition Key Cylinder Light
I 12 Ignition Key Cylinder Light
Transponder Key Amplifier
I 13 Ignition SW
I 14 Integration Relay

Position of Parts in Instrument Panel

[RHD]



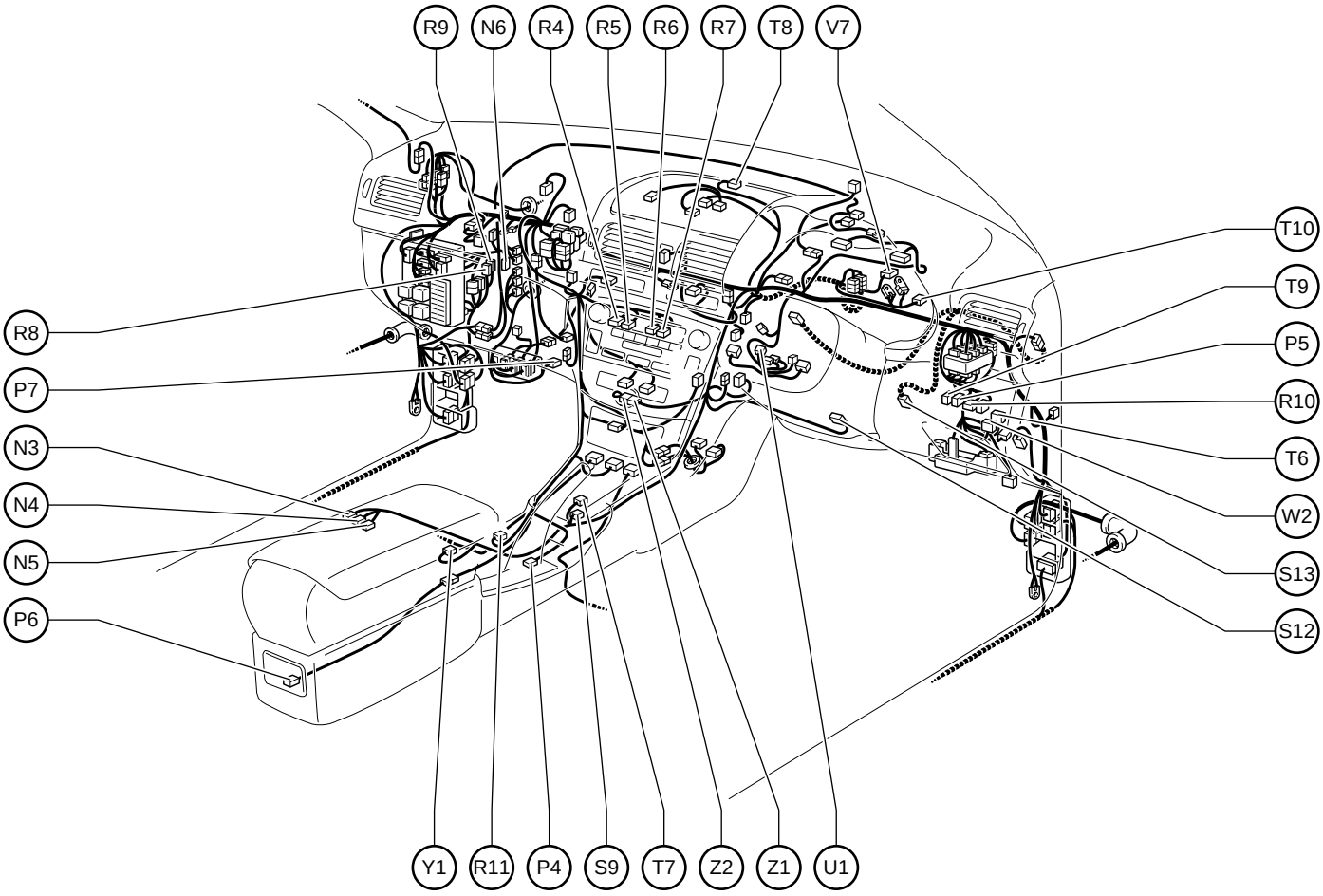
J 3 Junction Connector
J 4 Junction Connector
J 12 Junction Connector
J 13 Junction Connector
J 15 Junction Connector
J 16 Junction Connector
J 17 Junction Connector
J 19 Junction Connector
J 20 Junction Connector
J 21 Junction Connector
J 22 Junction Connector
J 23 Junction Connector
J 24 Junction Connector
J 25 Junction Connector
J 26 Junction Connector
J 27 Junction Connector
J 28 Junction Connector
J 29 Junction Connector

K 3 Knee Airbag Squib

M 1 Multi–Display
M 2 Multi–Display
M 3 Multi–Display

Position of Parts in Instrument Panel

[RHD]



N 3 Navigation ECU
N 4 Navigation ECU
N 5 Navigation ECU
N 6 Noise Filter (Rear Window Defogger No.1)

P 4 Parking Brake SW
P 5 Power Heater SW
P 6 Power Outlet
P 7 PTC Heater

R 4 Radio and Player
R 5 Radio and Player
R 6 Radio and Player
R 7 Radio and Player
R 8 Rear Fog Light Relay
R 9 Rear Window Defogger Relay
R10 Remote Control Mirror SW
R11 Remote Controller (Navigation)

S 9 Shift Lock Control ECU
S12 Steering Sensor
S13 Stop Light SW

T 6 Theft Deterrent ECU
T 7 Transmission Control SW
T 8 Transponder Key Computer
T 9 TRC Off SW
T10 Turn Signal Flasher Relay

U 1 Unlock Warning SW

V 7 VSC Warning Buzzer

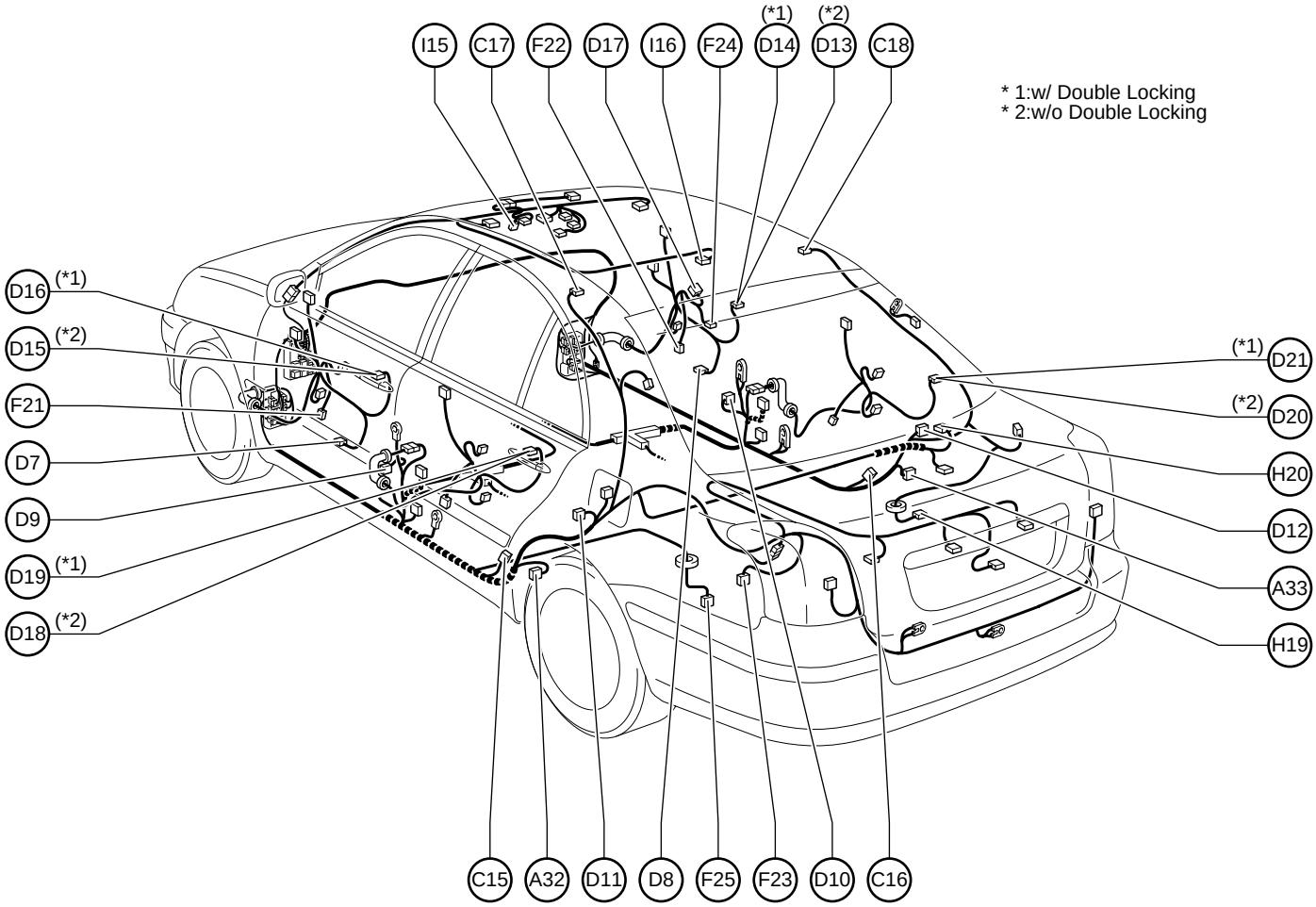
W 2 Wiper Relay

Y 1 Yaw Rate Sensor

Z 1 Option Connector (Navigation ECU)
Z 2 Option Connector (Navigation ECU)

Position of Parts in Body

[RHD : S/D]



A32 ABS Speed Sensor Rear LH
A33 ABS Speed Sensor Rear RH

C15 Curtain Shield Airbag Sensor LH
C16 Curtain Shield Airbag Sensor RH
C17 Curtain Shield Airbag Squib LH
C18 Curtain Shield Airbag Squib RH

D 7 Door Courtesy Light LH
D 8 Door Courtesy Light RH
D 9 Door Courtesy SW Front LH
D10 Door Courtesy SW Front RH
D11 Door Courtesy SW Rear LH
D12 Door Courtesy SW Rear RH
D13 Door Key Lock and Unlock SW (Driver's Side)
Door Lock Control Motor (Driver's Side)
Door Unlock Detection SW (Driver's Side)
D14 Door Key Lock and Unlock SW (Driver's Side)
Door Lock Control Motor (Driver's Side)
Door Unlock Detection SW (Driver's Side)
Double Lock Motor (Driver's Side)
Double Lock Position SW (Driver's Side)
D15 Door Lock Control Motor (Front Passenger's Side)
D16 Door Lock Control Motor (Front Passenger's Side)
Door Unlock Detection SW (Front Passenger's Side)
Double Lock Motor (Front Passenger's Side)
Double Lock Position SW (Front Passenger's Side)
D17 Door Lock Control SW
Power Window Master SW
D18 Door Lock Motor Rear LH
D19 Door Lock Motor Rear LH
Door Unlock Detection SW Rear LH
Double Lock Motor Rear LH
Double Lock Position SW Rear LH
D20 Door Lock Motor Rear RH
D21 Door Lock Motor Rear RH
Door Unlock Detection SW Rear RH
Double Lock Motor Rear RH
Double Lock Position SW Rear RH

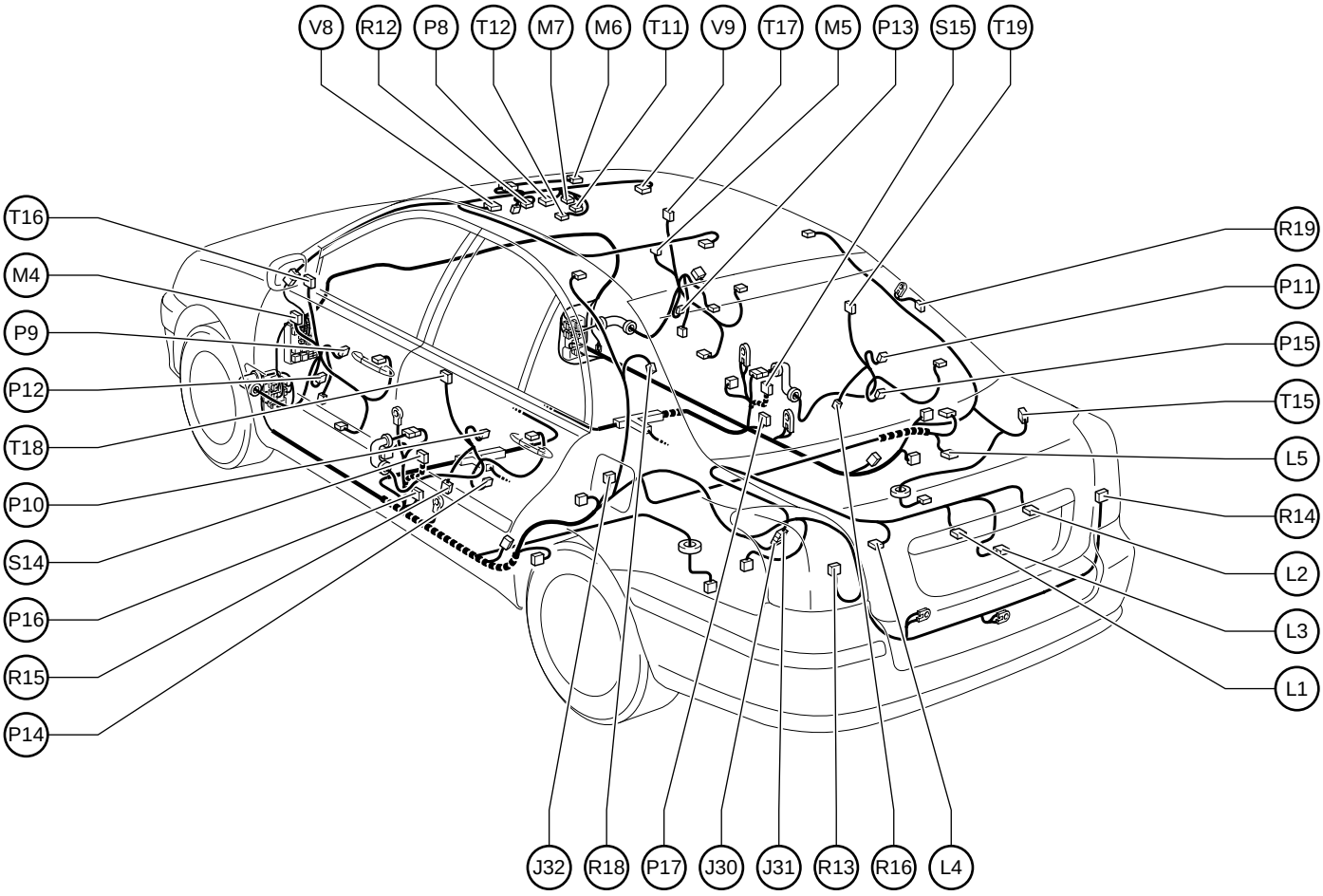
F 21 Front Door Speaker LH
F 22 Front Door Speaker RH
F 23 Fuel Lid Opener Motor
F 24 Fuel Lid Opener SW
F 25 Fuel Pump
Fuel Sender

H19 Height Control Sensor (Rear)
H20 High Mounted Stop Light

I 15 Inner Mirror
I 16 Interior Light

Position of Parts in Body

[RHD : S/D]



J 30 Junction Connector
J 31 Junction Connector
J 32 Junction Connector

L 1 License Plate Light LH
L 2 License Plate Light RH
L 3 Luggage Compartment Door Lock Motor
Luggage Compartment Light SW
L 4 Luggage Compartment Door Opener SW
L 5 Luggage Compartment Light

M 4 Mirror Heater LH
Remote Control Mirror LH
M 5 Mirror Heater RH
Remote Control Mirror RH
M 6 Moon Roof Control Relay and Motor
M 7 Moon Roof Control SW

P 8 Personal Light
P 9 Power Window Control SW (Front Passenger Side)
P 10 Power Window Control SW Rear LH
P 11 Power Window Control SW Rear RH
P 12 Power Window Motor Front LH
P 13 Power Window Motor Front RH
P 14 Power Window Motor Rear LH
P 15 Power Window Motor Rear RH
P 16 Pretensioner LH
P 17 Pretensioner RH

R 12 Rain Sensor
R 13 Rear Combination Light LH
R 14 Rear Combination Light RH
R 15 Rear Door Speaker LH
R 16 Rear Door Speaker RH
R 18 Rear Window Defogger
R 19 Rear Window Defogger

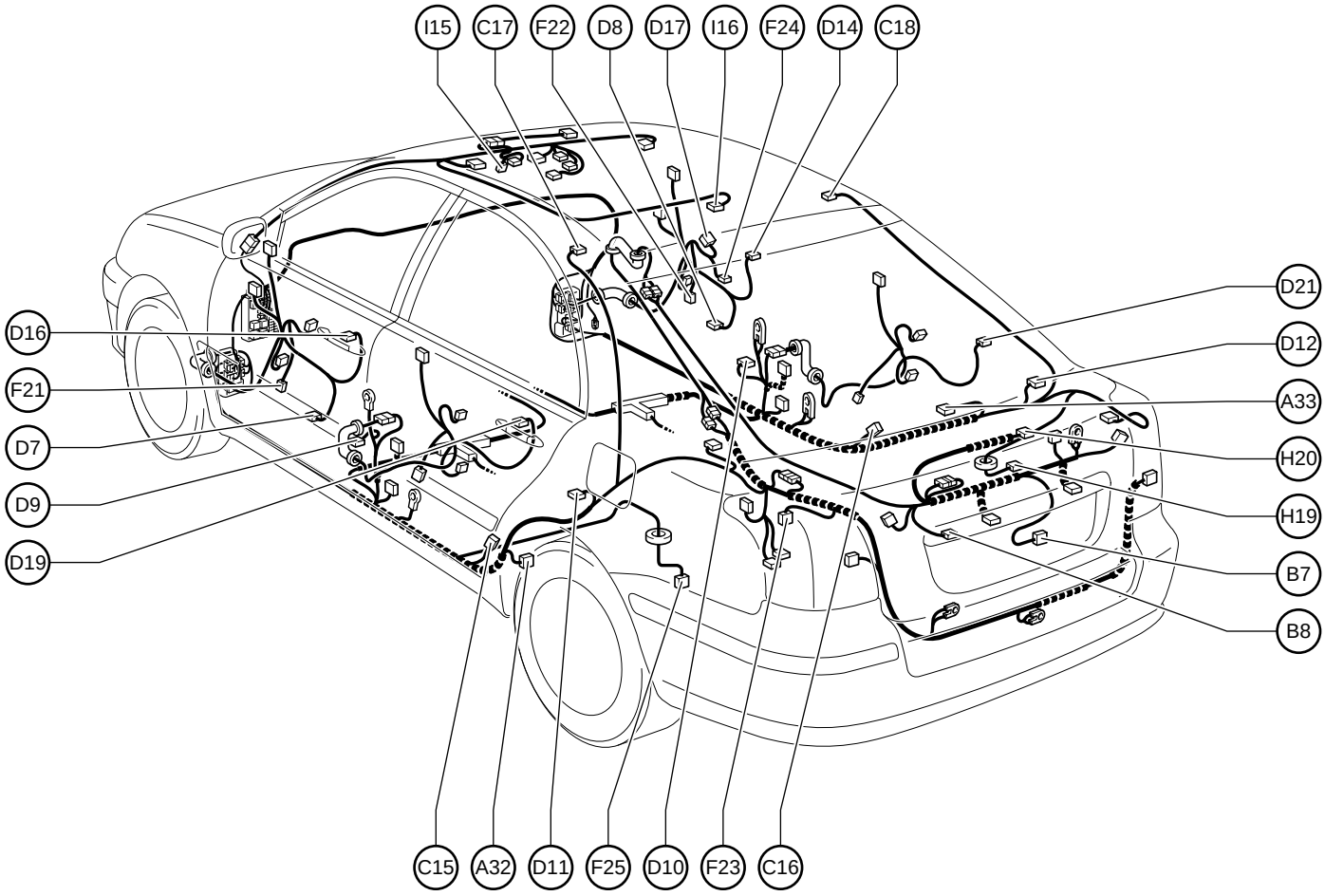
S 14 Side Airbag Sensor LH
S 15 Side Airbag Sensor RH

T 11 Telephone Microphone Amplifier
T 12 Theft Warning Ultrasonic Sensor
T 15 Theft Warning Siren
T 16 Tweeter Front LH
T 17 Tweeter Front RH
T 18 Tweeter Rear LH
T 19 Tweeter Rear RH

V 8 Vanity Light LH
V 9 Vanity Light RH

Position of Parts in Body

[RHD : L/B]



A32 ABS Speed Sensor Rear LH
A33 ABS Speed Sensor Rear RH

B 7 Back Door Courtesy SW
Back Door Lock Motor
B 8 Back Door Opener SW

C15 Curtain Shield Airbag Sensor LH
C16 Curtain Shield Airbag Sensor RH
C17 Curtain Shield Airbag Squib LH
C18 Curtain Shield Airbag Squib RH

D 7 Door Courtesy Light LH
D 8 Door Courtesy Light RH
D 9 Door Courtesy SW Front LH
D10 Door Courtesy SW Front RH
D11 Door Courtesy SW Rear LH
D12 Door Courtesy SW Rear RH
D14 Door Key Lock and Unlock SW (Driver's Side)
Door Lock Control Motor (Driver's Side)
Door Unlock Detection SW (Driver's Side)
Double Lock Motor (Driver's Side)
Double Lock Position SW (Driver's Side)
D16 Door Lock Control Motor (Front Passenger's Side)
Door Unlock Detection SW (Front Passenger's Side)
Double Lock Motor (Front Passenger's Side)
Double Lock Position SW (Front Passenger's Side)
D17 Door Lock Control SW
Power Window Master SW
D19 Door Lock Motor Rear LH
Door Unlock Detection SW Rear LH
Double Lock Motor Rear LH
Double Lock Position SW Rear LH
D21 Door Lock Motor Rear RH
Door Unlock Detection SW Rear RH
Double Lock Motor Rear RH
Double Lock Position SW Rear RH

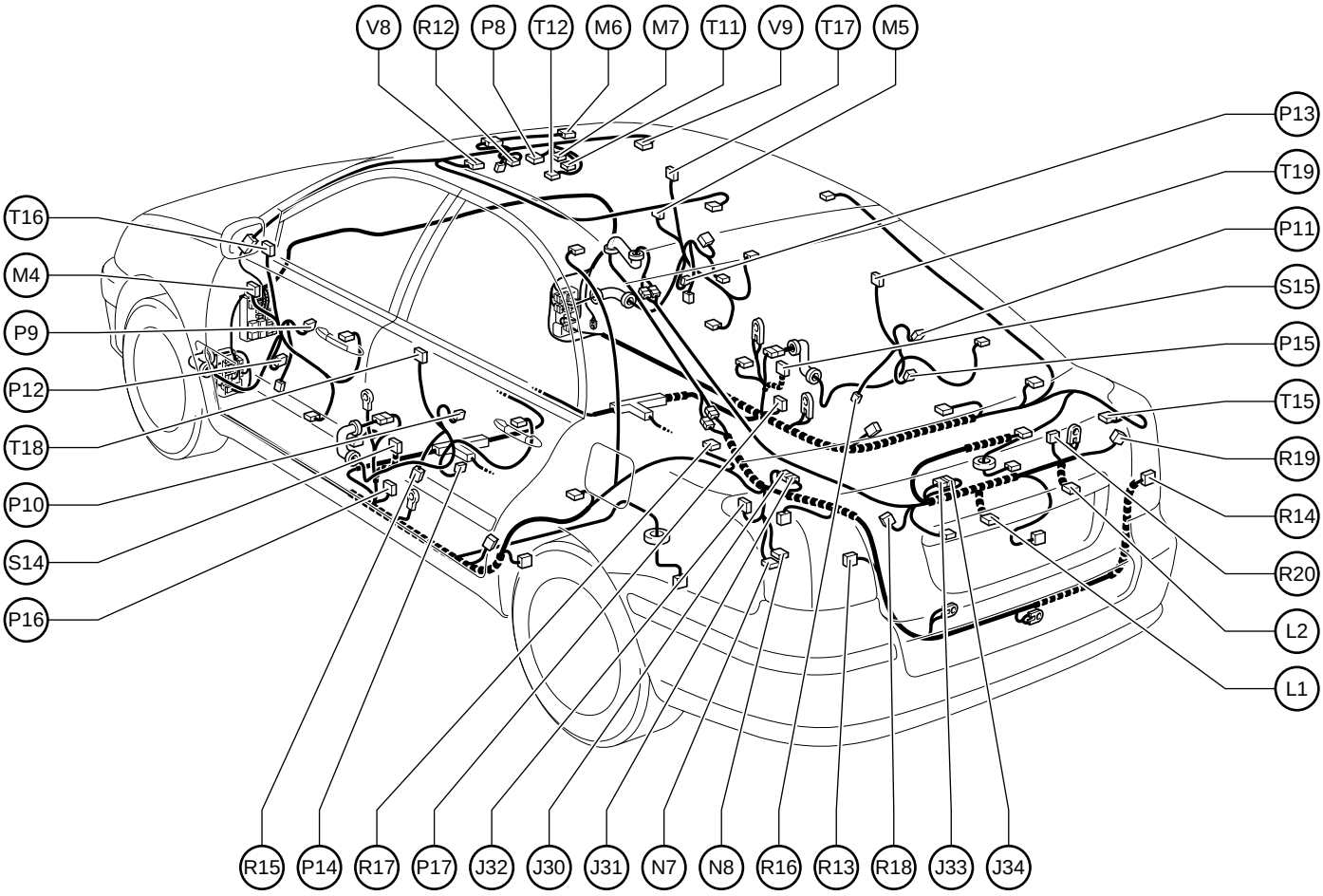
F 21 Front Door Speaker LH
F 22 Front Door Speaker RH
F 23 Fuel Lid Opener Motor
F 24 Fuel Lid Opener SW
F 25 Fuel Pump
Fuel Sender

H19 Height Control Sensor (Rear)
H20 High Mounted Stop Light

I 15 Inner Mirror
I 16 Interior Light

Position of Parts in Body

[RHD : L/B]



J 30 Junction Connector
J 31 Junction Connector
J 32 Junction Connector
J 33 Junction Connector
J 34 Junction Connector

L 1 License Plate Light LH
L 2 License Plate Light RH

M 4 Mirror Heater LH
Remote Control Mirror LH
M 5 Mirror Heater RH
Remote Control Mirror RH
M 6 Moon Roof Control Relay and Motor
M 7 Moon Roof Control SW

N 7 Noise Filter (Rear Window Defogger No.2)
N 8 Noise Filter (Stop Light)

P 8 Personal Light
P 9 Power Window Control SW (Front Passenger Side)
P 10 Power Window Control SW Rear LH
P 11 Power Window Control SW Rear RH
P 12 Power Window Motor Front LH
P 13 Power Window Motor Front RH
P 14 Power Window Motor Rear LH
P 15 Power Window Motor Rear RH
P 16 Pretensioner LH
P 17 Pretensioner RH

R 12 Rain Sensor
R 13 Rear Combination Light LH
R 14 Rear Combination Light RH
R 15 Rear Door Speaker LH
R 16 Rear Door Speaker RH
R 17 Rear Interior Light
R 18 Rear Window Defogger
R 19 Rear Window Defogger
R 20 Rear Wiper Motor and Relay

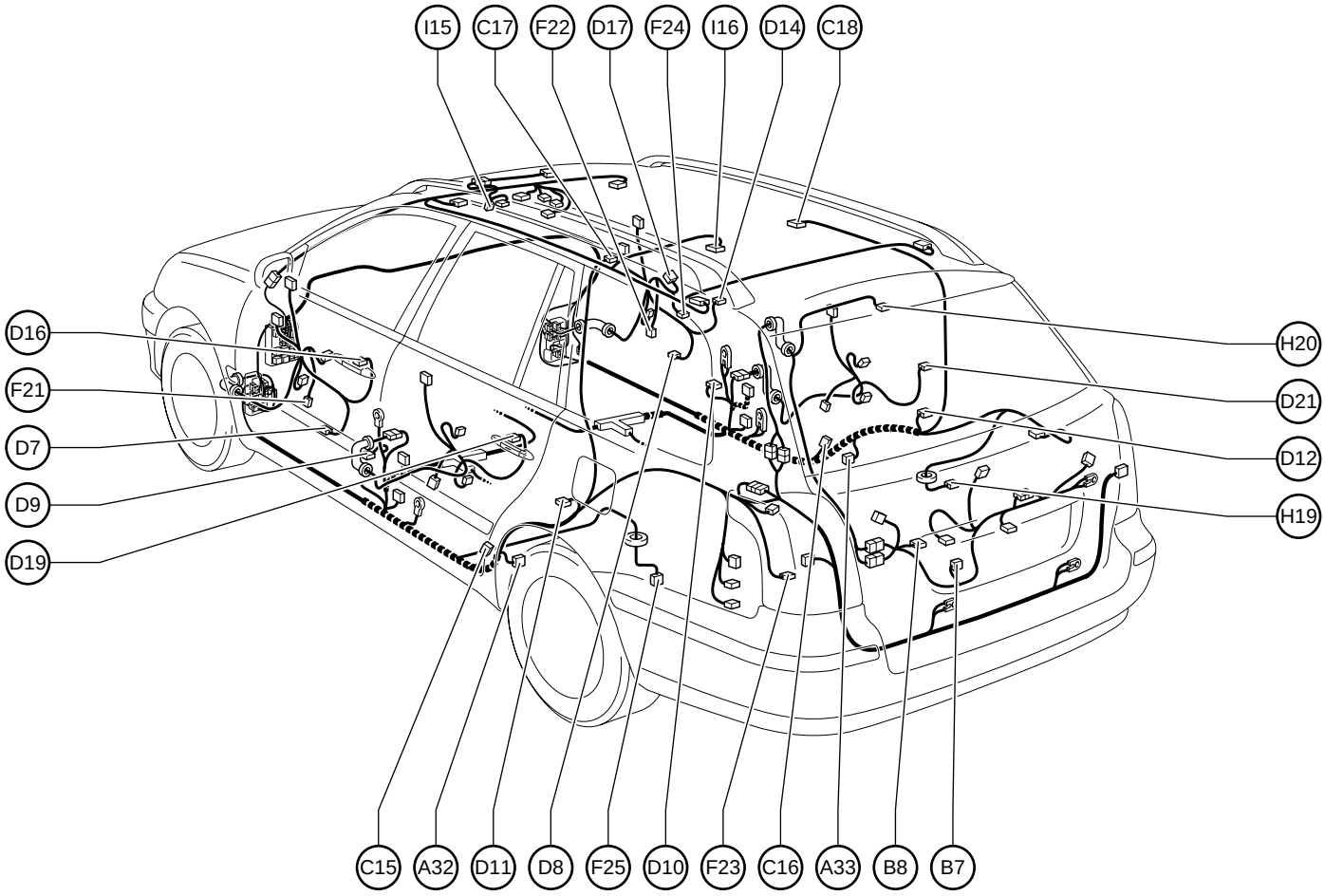
S 14 Side Airbag Sensor LH
S 15 Side Airbag Sensor RH

T 11 Telephone Microphone Amplifier
T 12 Theft Warning Ultrasonic Sensor
T 15 Theft Warning Siren
T 16 Tweeter Front LH
T 17 Tweeter Front RH
T 18 Tweeter Rear LH
T 19 Tweeter Rear RH

V 8 Vanity Light LH
V 9 Vanity Light RH

Position of Parts in Body

[RHD : W/G]



A32 ABS Speed Sensor Rear LH
A33 ABS Speed Sensor Rear RH

B 7 Back Door Courtesy SW
Back Door Lock Motor
B 8 Back Door Opener SW

C15 Curtain Shield Airbag Sensor LH
C16 Curtain Shield Airbag Sensor RH
C17 Curtain Shield Airbag Squib LH
C18 Curtain Shield Airbag Squib RH

D 7 Door Courtesy Light LH
D 8 Door Courtesy Light RH
D 9 Door Courtesy SW Front LH
D10 Door Courtesy SW Front RH
D11 Door Courtesy SW Rear LH
D12 Door Courtesy SW Rear RH
D14 Door Key Lock and Unlock SW (Driver's Side)
Door Lock Control Motor (Driver's Side)
Door Unlock Detection SW (Driver's Side)
Double Lock Motor (Driver's Side)
Double Lock Position SW (Driver's Side)
D16 Door Lock Control Motor (Front Passenger's Side)
Door Unlock Detection SW (Front Passenger's Side)
Double Lock Motor (Front Passenger's Side)
Double Lock Position SW (Front Passenger's Side)
D17 Door Lock Control SW
Power Window Master SW
D19 Door Lock Motor Rear LH
Door Unlock Detection SW Rear LH
Double Lock Motor Rear LH
Double Lock Position SW Rear LH
D21 Door Lock Motor Rear RH
Door Unlock Detection SW Rear RH
Double Lock Motor Rear RH
Double Lock Position SW Rear RH

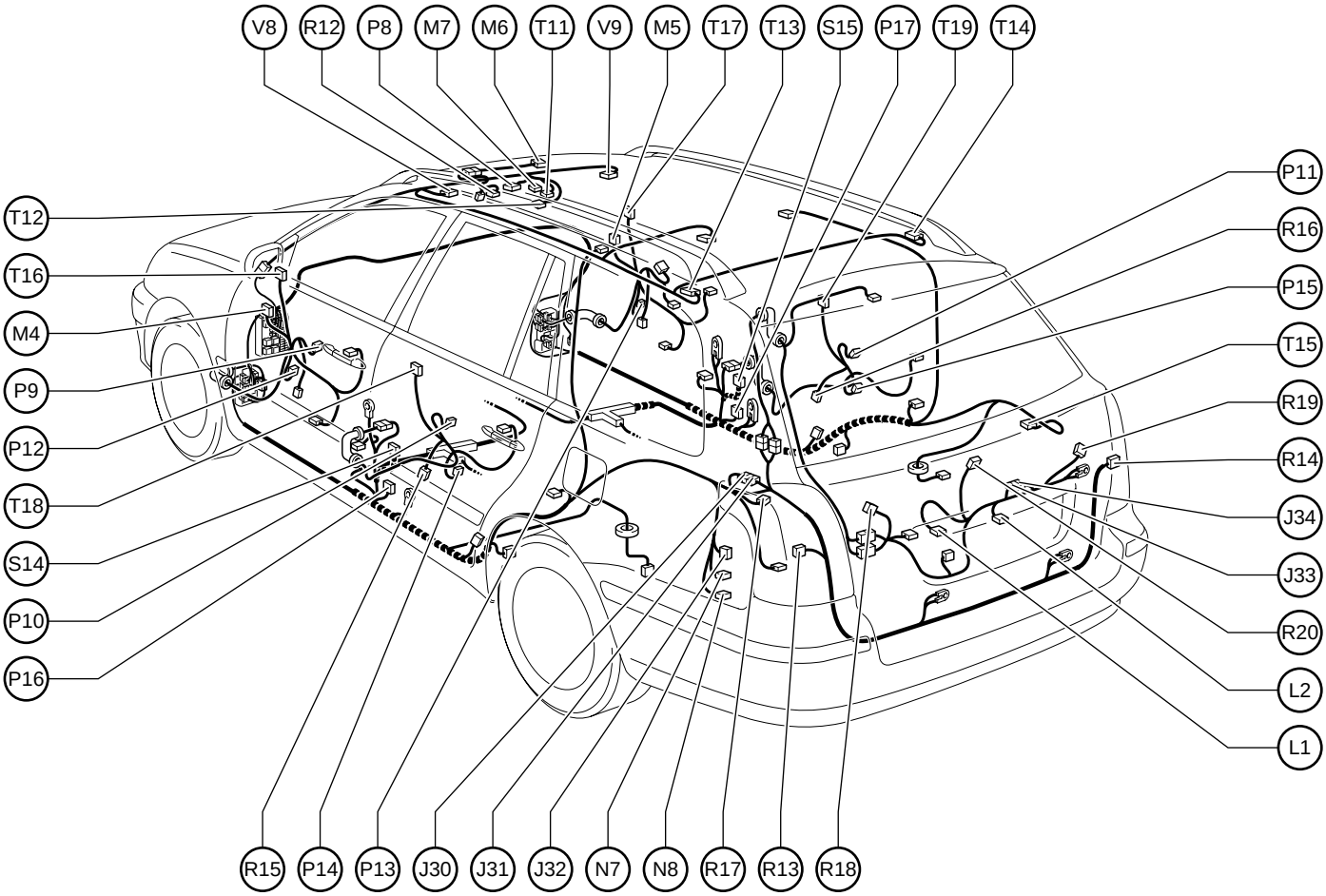
F 21 Front Door Speaker LH
F 22 Front Door Speaker RH
F 23 Fuel Lid Opener Motor
F 24 Fuel Lid Opener SW
F 25 Fuel Pump
Fuel Sender

H19 Height Control Sensor (Rear)
H20 High Mounted Stop Light

I 15 Inner Mirror
I 16 Interior Light

Position of Parts in Body

[RHD : W/G]



J 30 Junction Connector
J 31 Junction Connector
J 32 Junction Connector
J 33 Junction Connector
J 34 Junction Connector

L 1 License Plate Light LH
L 2 License Plate Light RH

M 4 Mirror Heater LH
Remote Control Mirror LH
M 5 Mirror Heater RH
Remote Control Mirror RH
M 6 Moon Roof Control Relay and Motor
M 7 Moon Roof Control SW

N 7 Noise Filter (Rear Window Defogger No.2)
N 8 Noise Filter (Stop Light)

P 8 Personal Light
P 9 Power Window Control SW (Front Passenger Side)
P 10 Power Window Control SW Rear LH
P 11 Power Window Control SW Rear RH
P 12 Power Window Motor Front LH
P 13 Power Window Motor Front RH
P 14 Power Window Motor Rear LH
P 15 Power Window Motor Rear RH
P 16 Pretensioner LH
P 17 Pretensioner RH

R 12 Rain Sensor
R 13 Rear Combination Light LH
R 14 Rear Combination Light RH
R 15 Rear Door Speaker LH
R 16 Rear Door Speaker RH
R 17 Rear Interior Light
R 18 Rear Window Defogger
R 19 Rear Window Defogger
R 20 Rear Wiper Motor and Relay

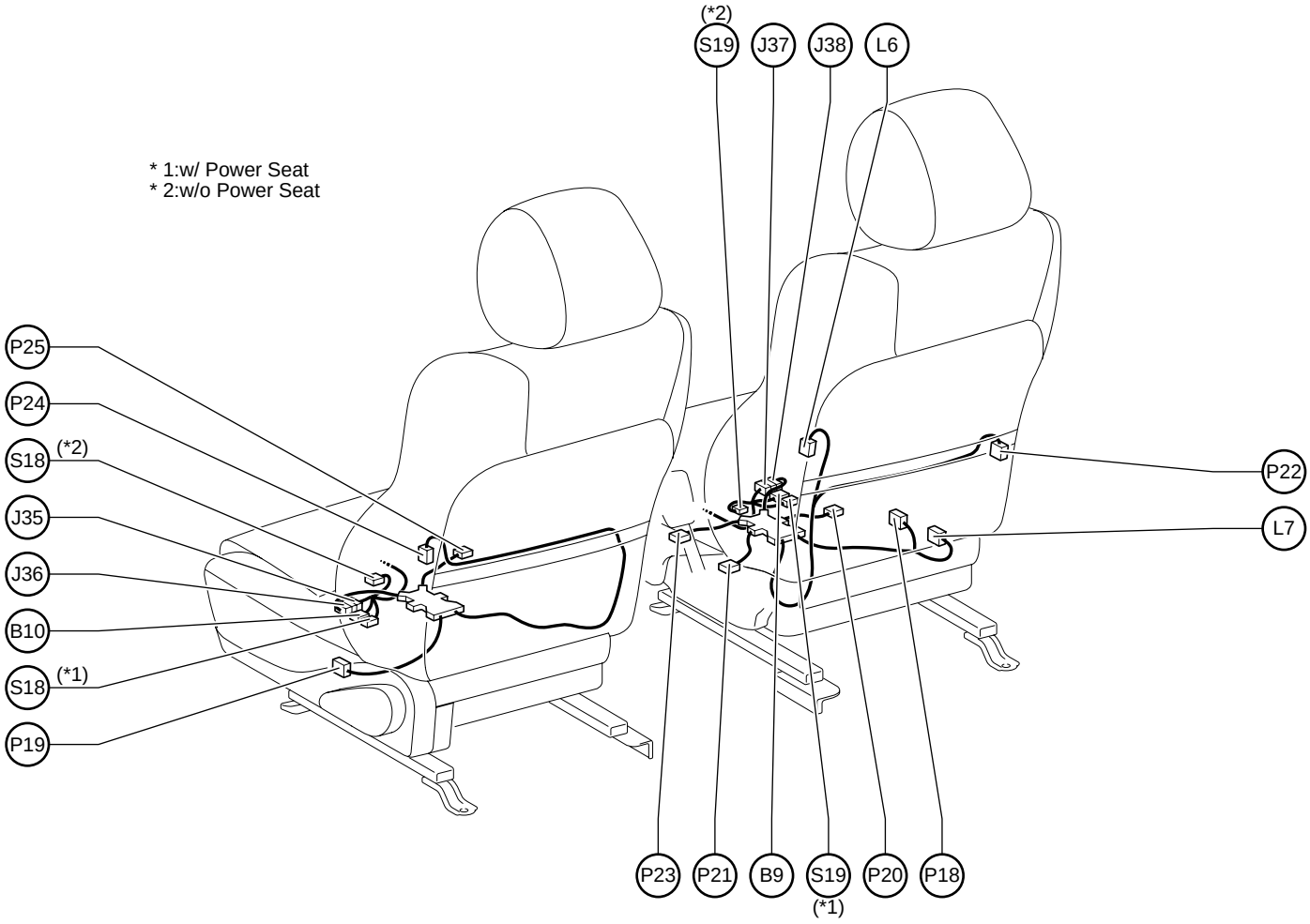
S 14 Side Airbag Sensor LH
S 15 Side Airbag Sensor RH

T 11 Telephone Microphone Amplifier
T 12 Theft Warning Ultrasonic Sensor
T 13 Theft Warning Ultrasonic Sensor Rear LH
T 14 Theft Warning Ultrasonic Sensor Rear RH
T 15 Theft Warning Siren
T 16 Tweeter Front LH
T 17 Tweeter Front RH
T 18 Tweeter Rear LH
T 19 Tweeter Rear RH

V 8 Vanity Light LH
V 9 Vanity Light RH

Position of Parts in Seat

[RHD]



B 9 Buckle SW (Driver's Side)
B10 Buckle SW (Front Passenger's Side) Occupant Detection Sensor

J 35 Junction Connector
J 36 Junction Connector
J 37 Junction Connector
J 38 Junction Connector

L 6 Lumbar Support Control Motor
L 7 Lumbar Support Control SW

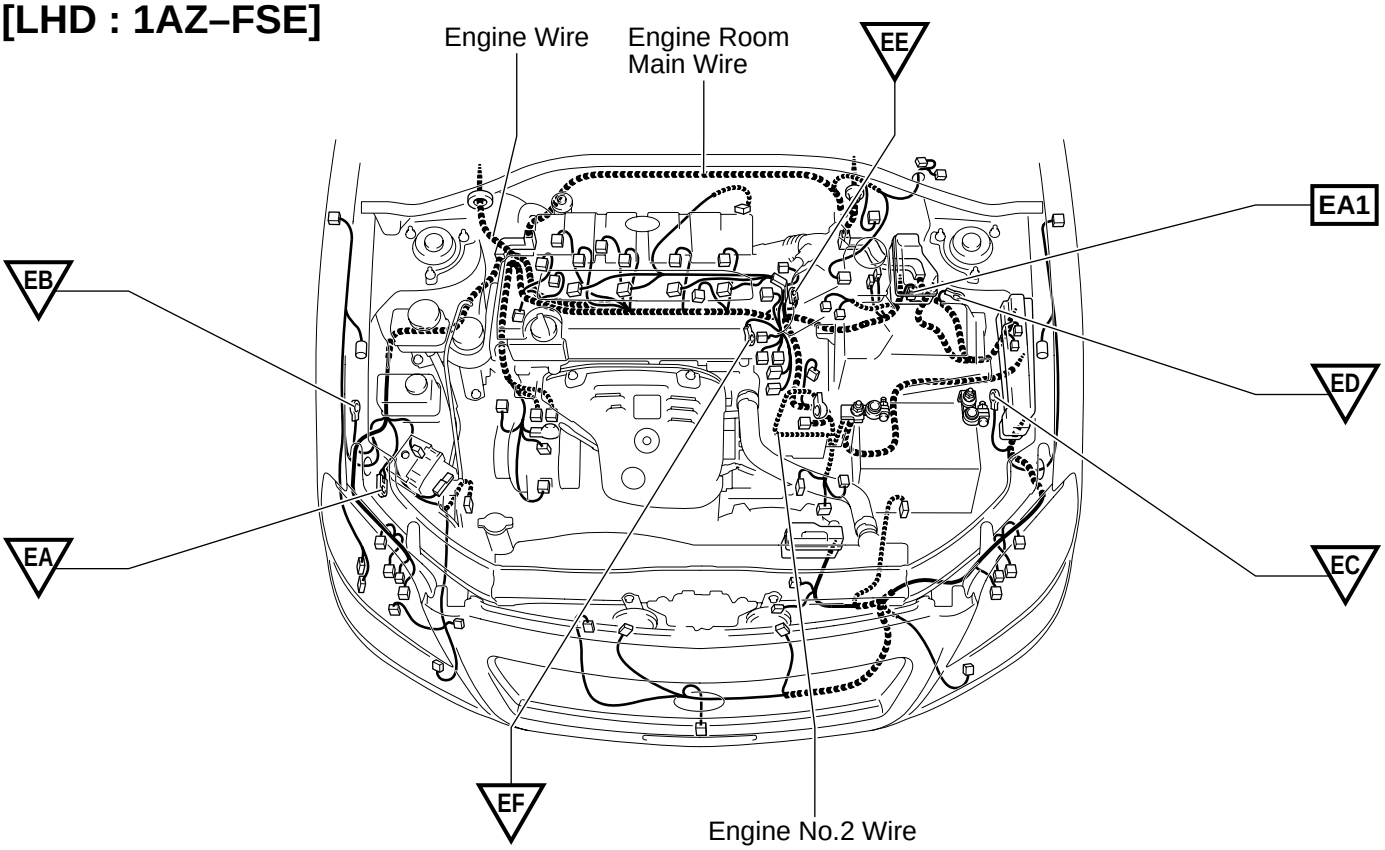
P18 Power Seat Control SW (Driver's Seat)
P19 Power Seat Control SW (Front Passenger's Seat)
P20 Power Seat Motor (Driver's Seat Front Vertical Control)
P21 Power Seat Motor (Driver's Seat Lifter Control)
P22 Power Seat Motor (Driver's Seat Reclining Control)
P23 Power Seat Motor (Driver's Seat Slide Control)
P24 Power Seat Motor (Front Passenger's Seat Reclining Control)
P25 Power Seat Motor (Front Passenger's Seat Slide Control)

S18 Side Airbag Squib LH
S19 Side Airbag Squib RH

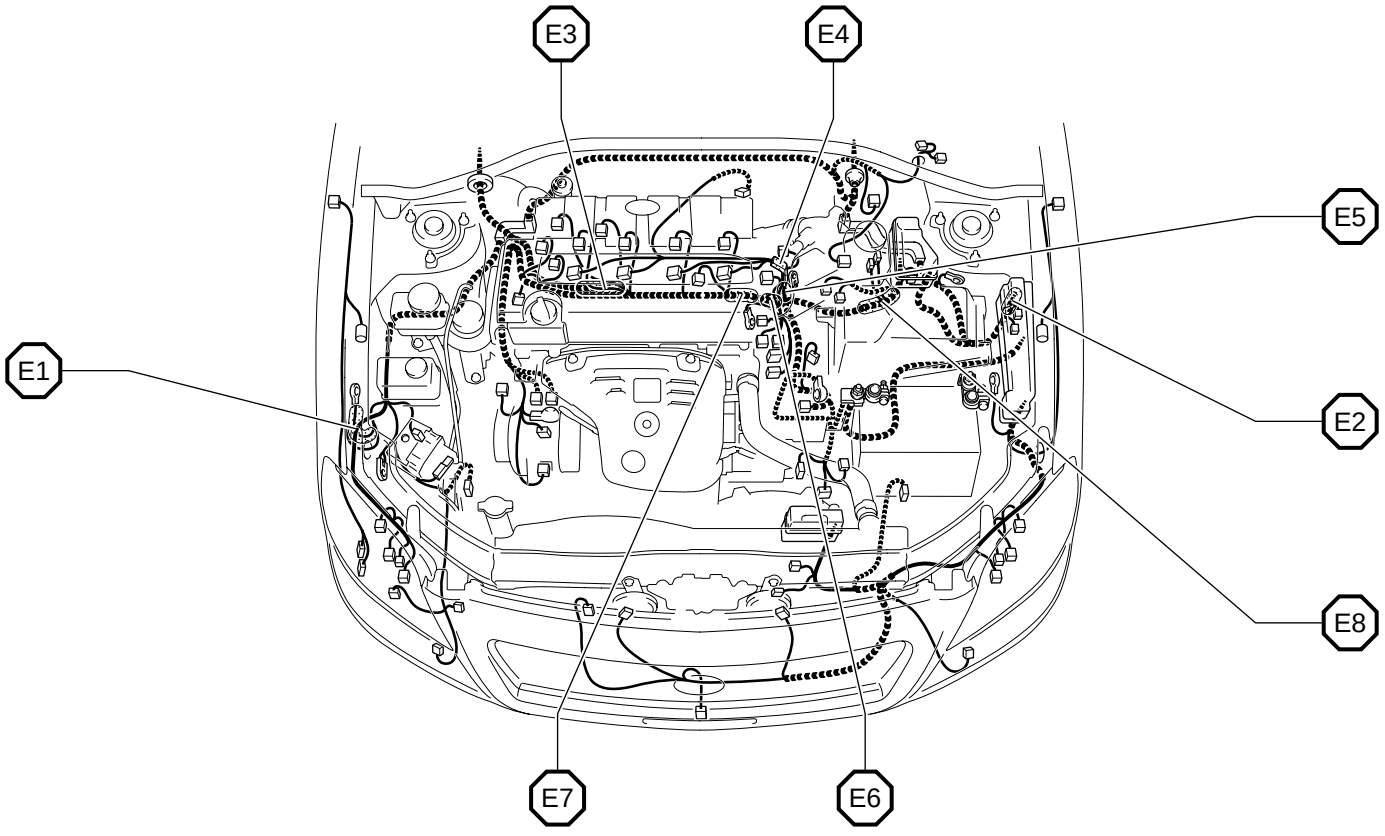
▭ : Location of Connector Joining Wire Harness and Wire Harness

▽ : Location of Ground Points

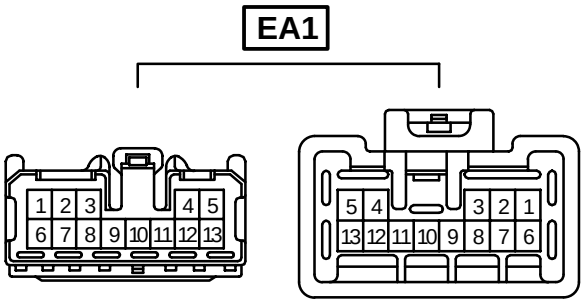
[LHD : 1AZ–FSE]



◯ : Location of Splice Points



Connector Joining Wire Harness and Wire Harness

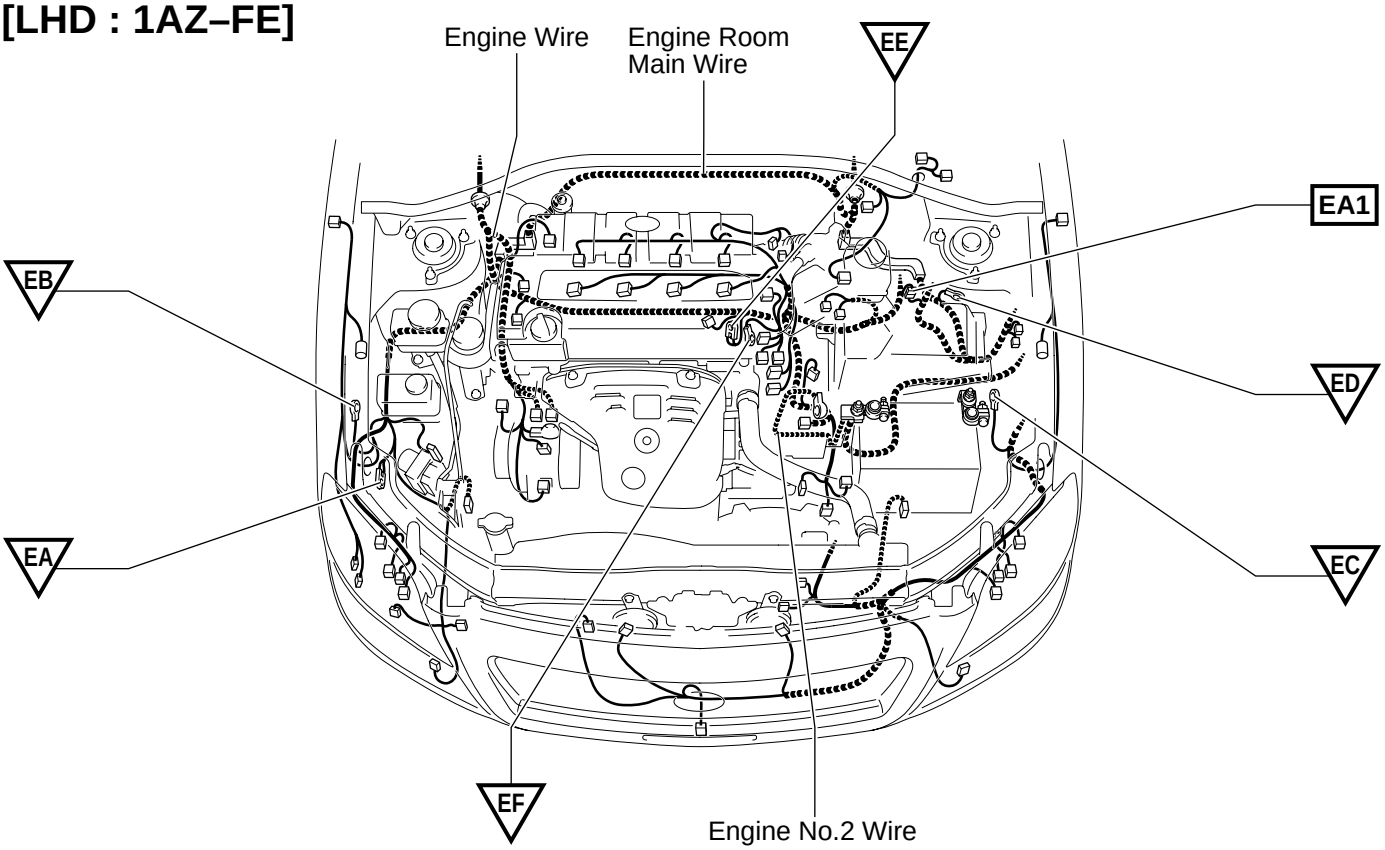


Code	Joining Wire Harness and Wire Harness (Connector Location)
EA1	Engine Wire and Engine Room Main Wire (Left Side of the Suspension Tower)

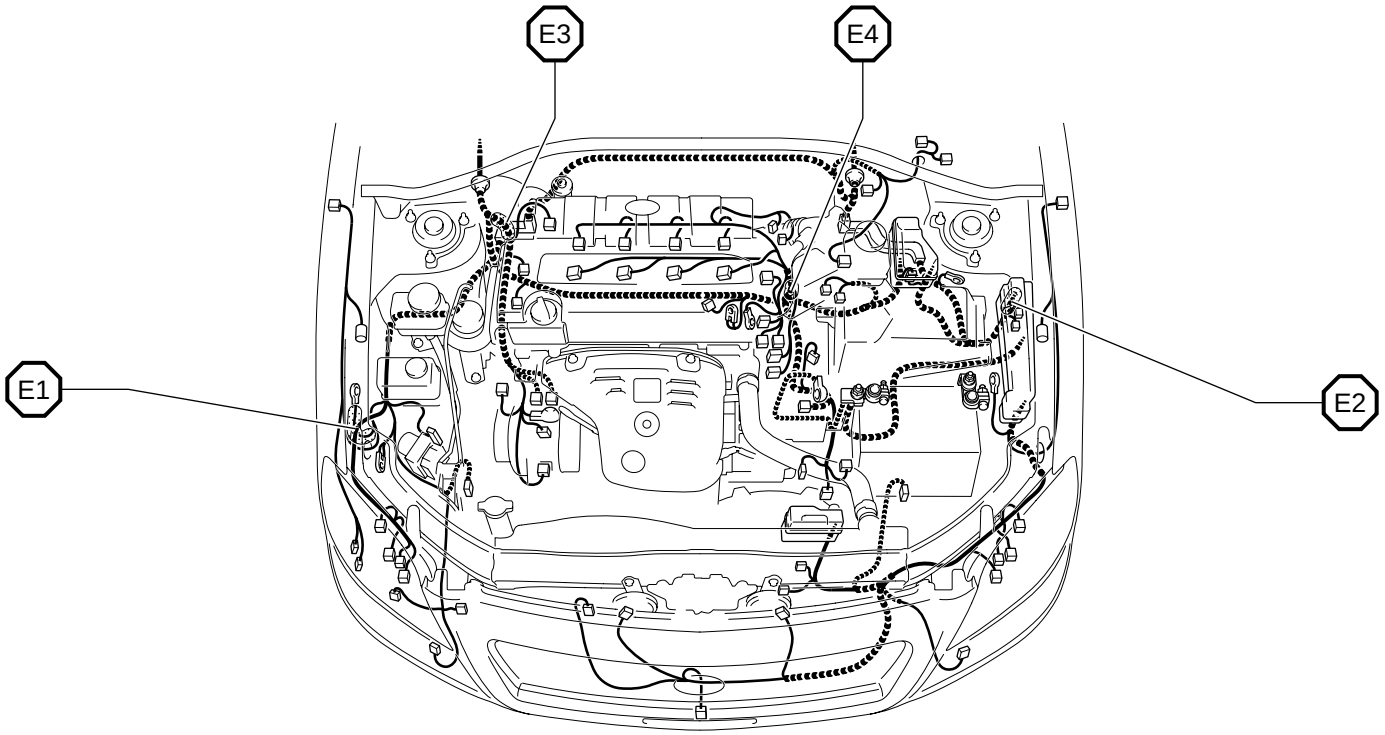
▭ : Location of Connector Joining Wire Harness and Wire Harness

▽ : Location of Ground Points

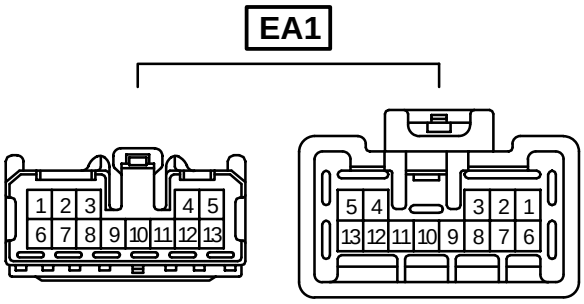
[LHD : 1AZ–FE]



◯ : Location of Splice Points



Connector Joining Wire Harness and Wire Harness

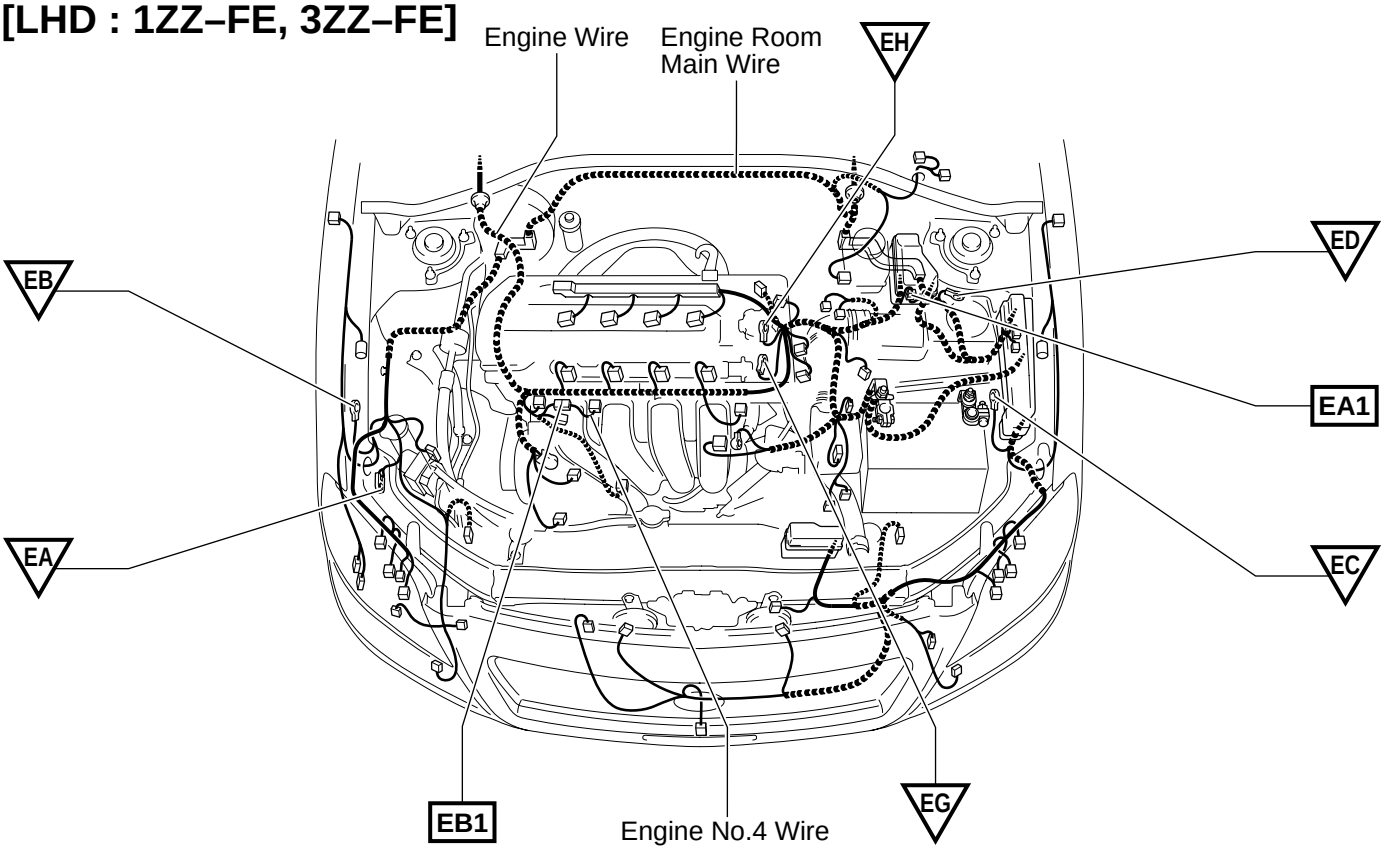


Code	Joining Wire Harness and Wire Harness (Connector Location)
EA1	Engine Wire and Engine Room Main Wire (Left Side of the Suspension Tower)

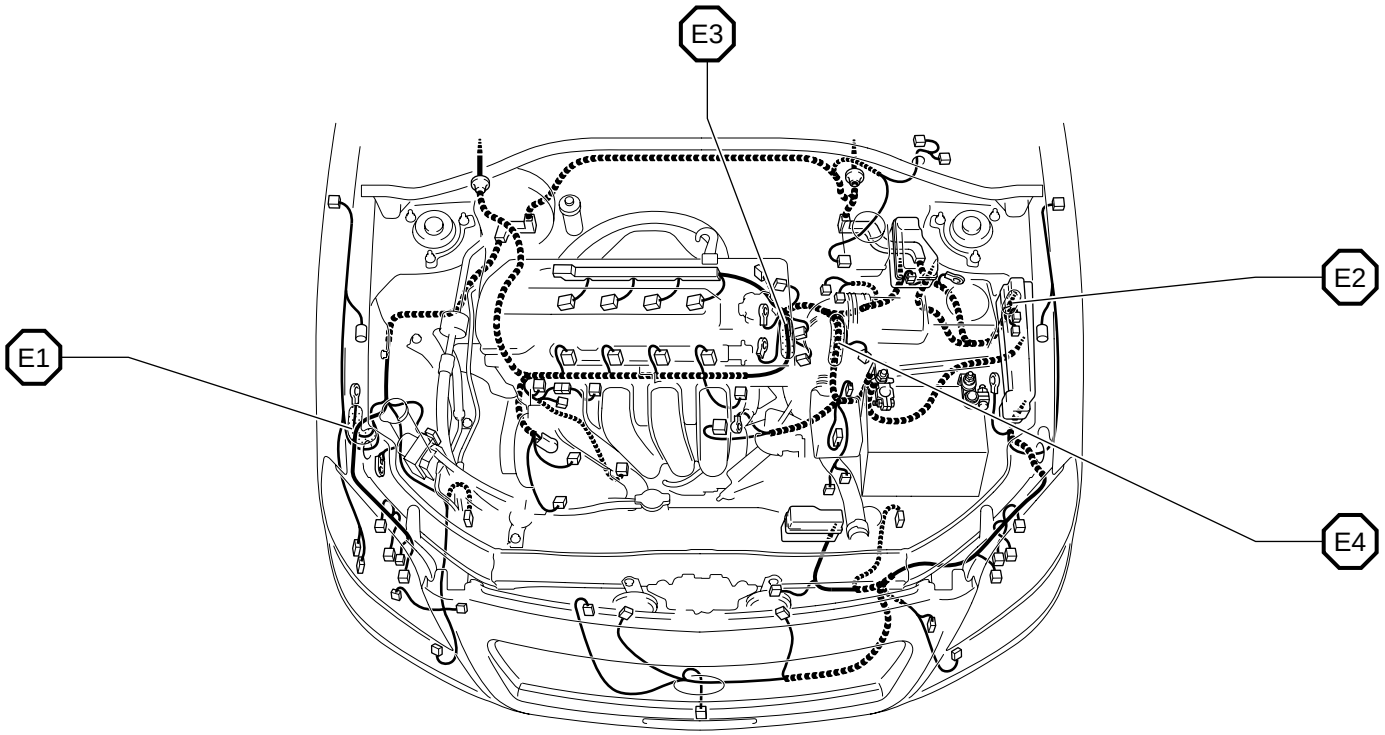
▭ : Location of Connector Joining Wire Harness and Wire Harness

▽ : Location of Ground Points

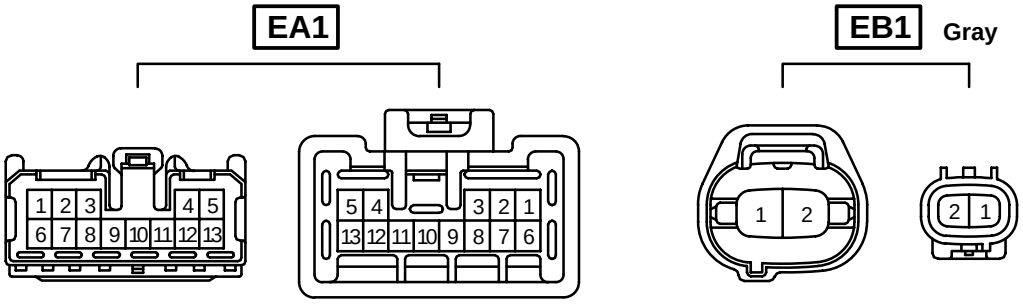
[LHD : 1ZZ–FE, 3ZZ–FE]



○ : Location of Splice Points



Connector Joining Wire Harness and Wire Harness

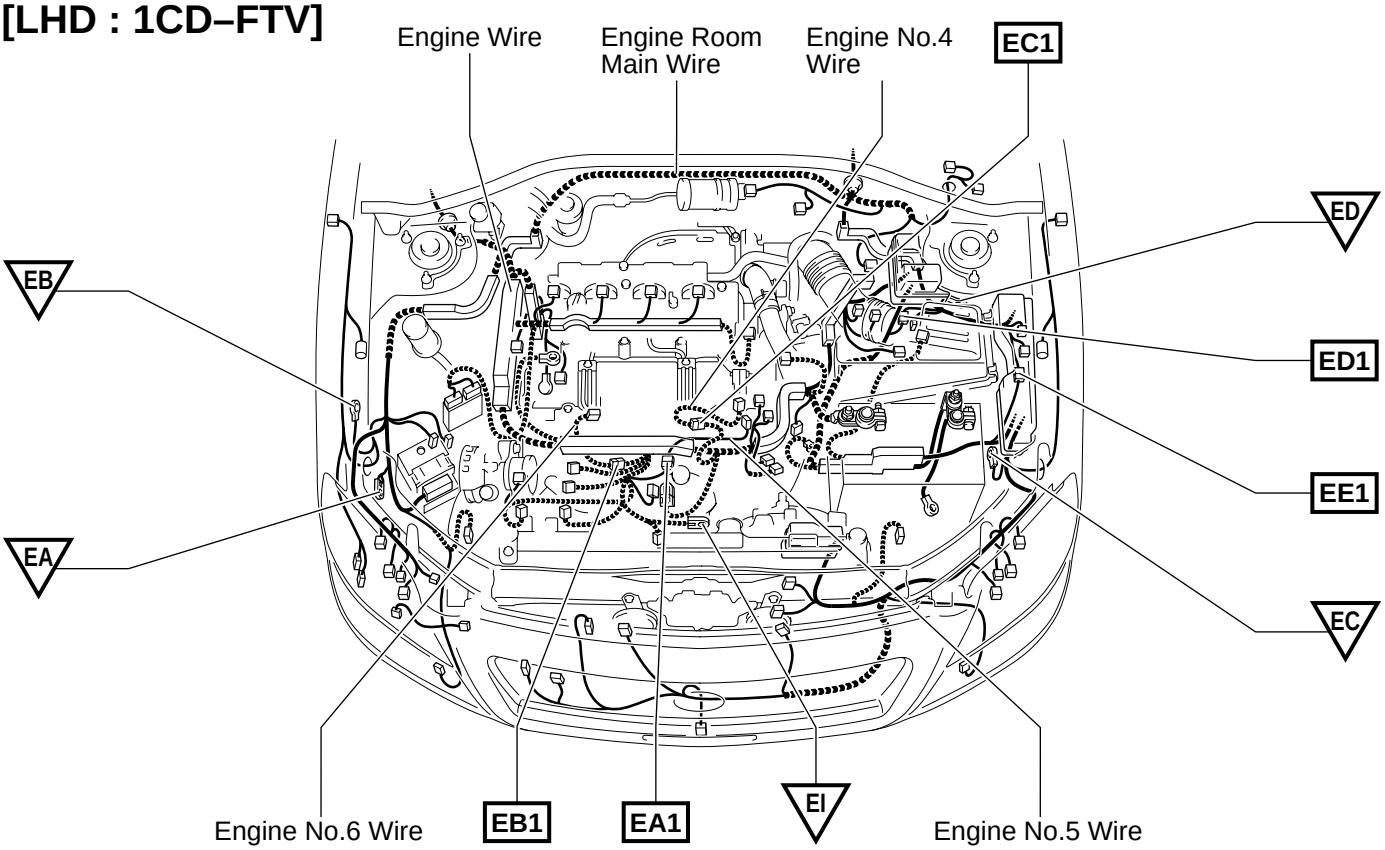


Code	Joining Wire Harness and Wire Harness (Connector Location)
EA1	Engine Wire and Engine Room Main Wire (Left Side of the Suspension Tower)
EB1	Engine Wire and Engine No.4 Wire (Near the Alternator)

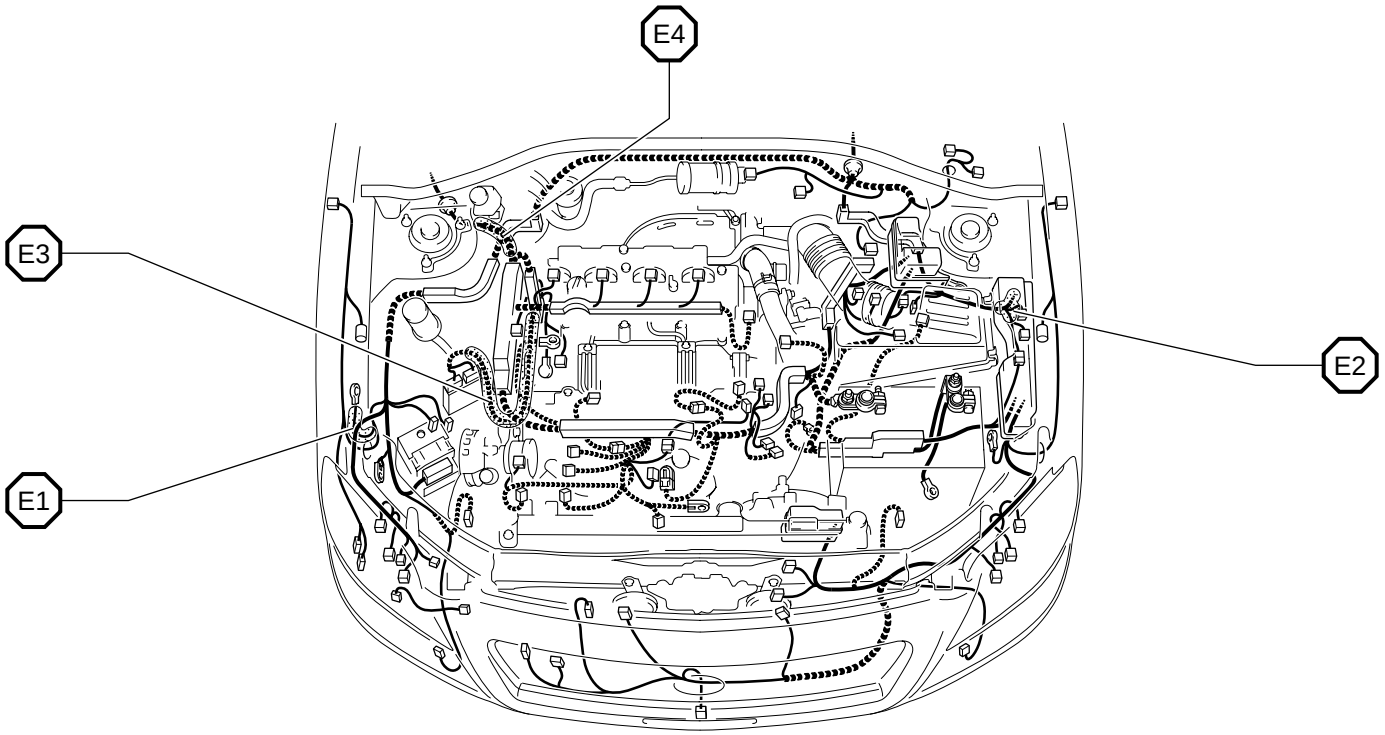
▭ : Location of Connector Joining Wire Harness and Wire Harness

▽ : Location of Ground Points

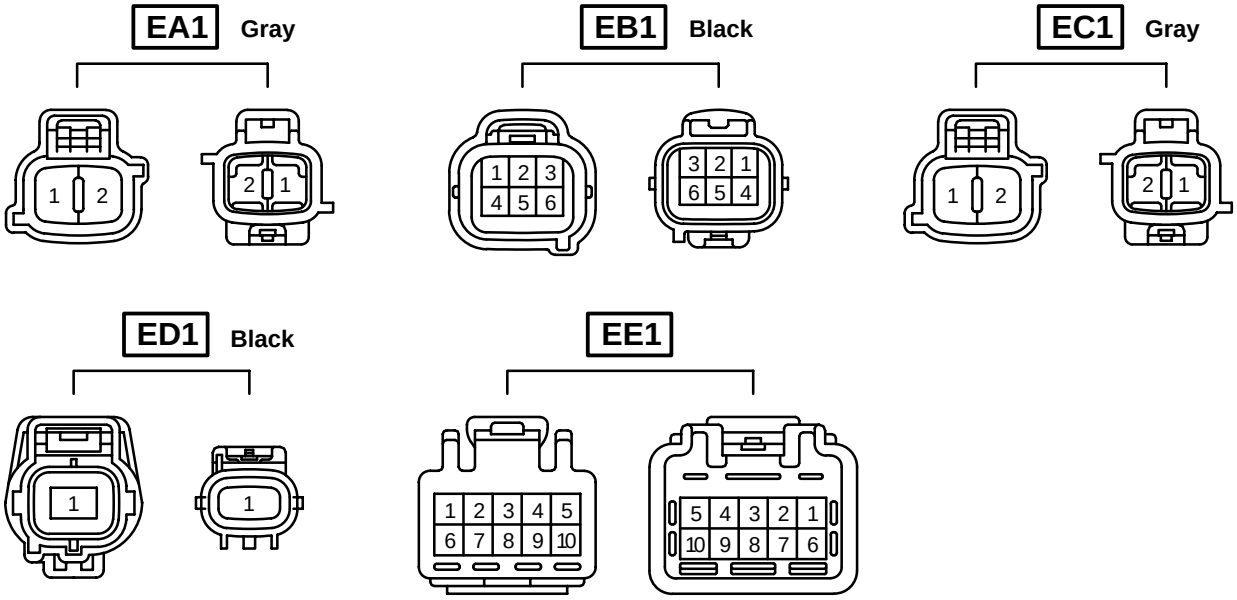
[LHD : 1CD–FTV]



⬡ : Location of Splice Points



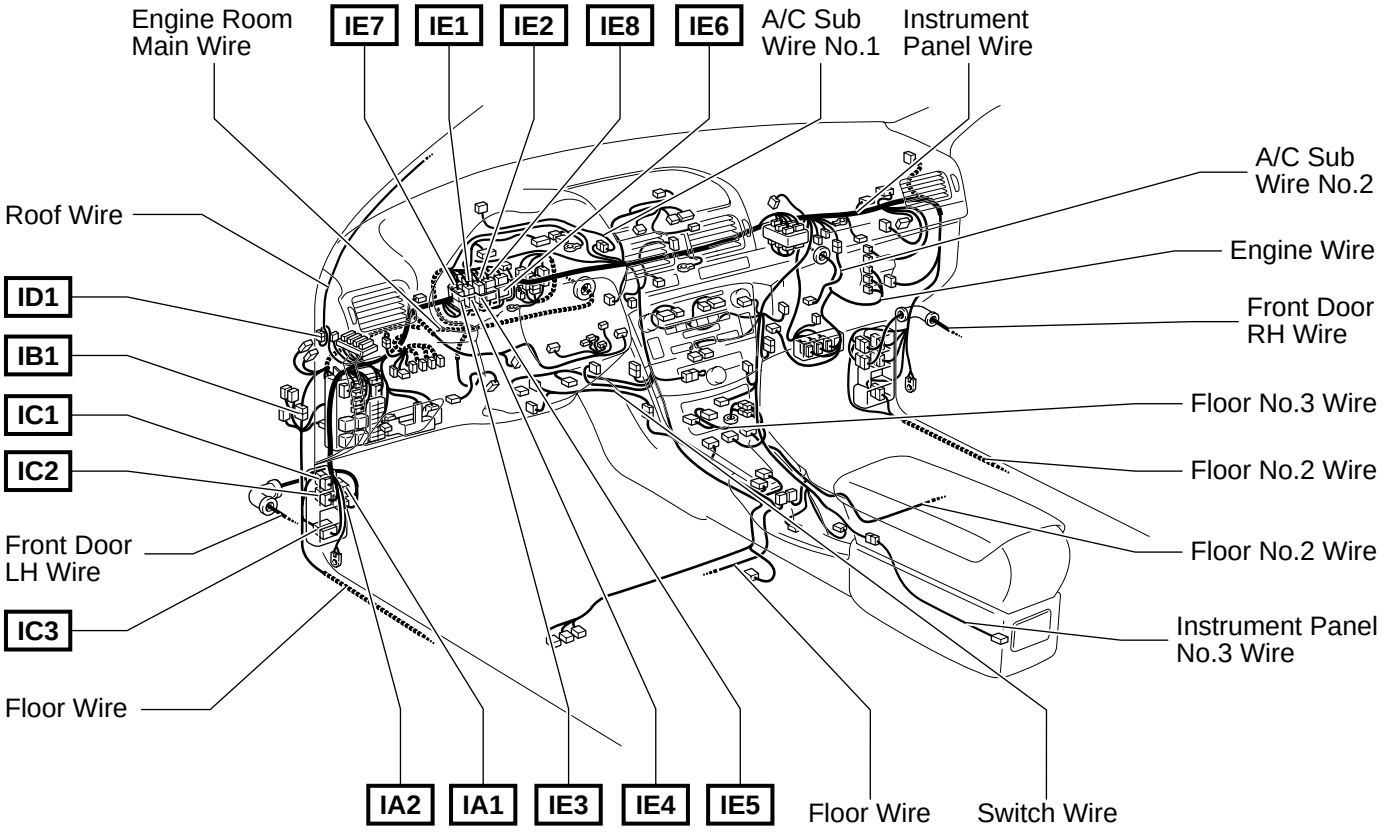
Connector Joining Wire Harness and Wire Harness



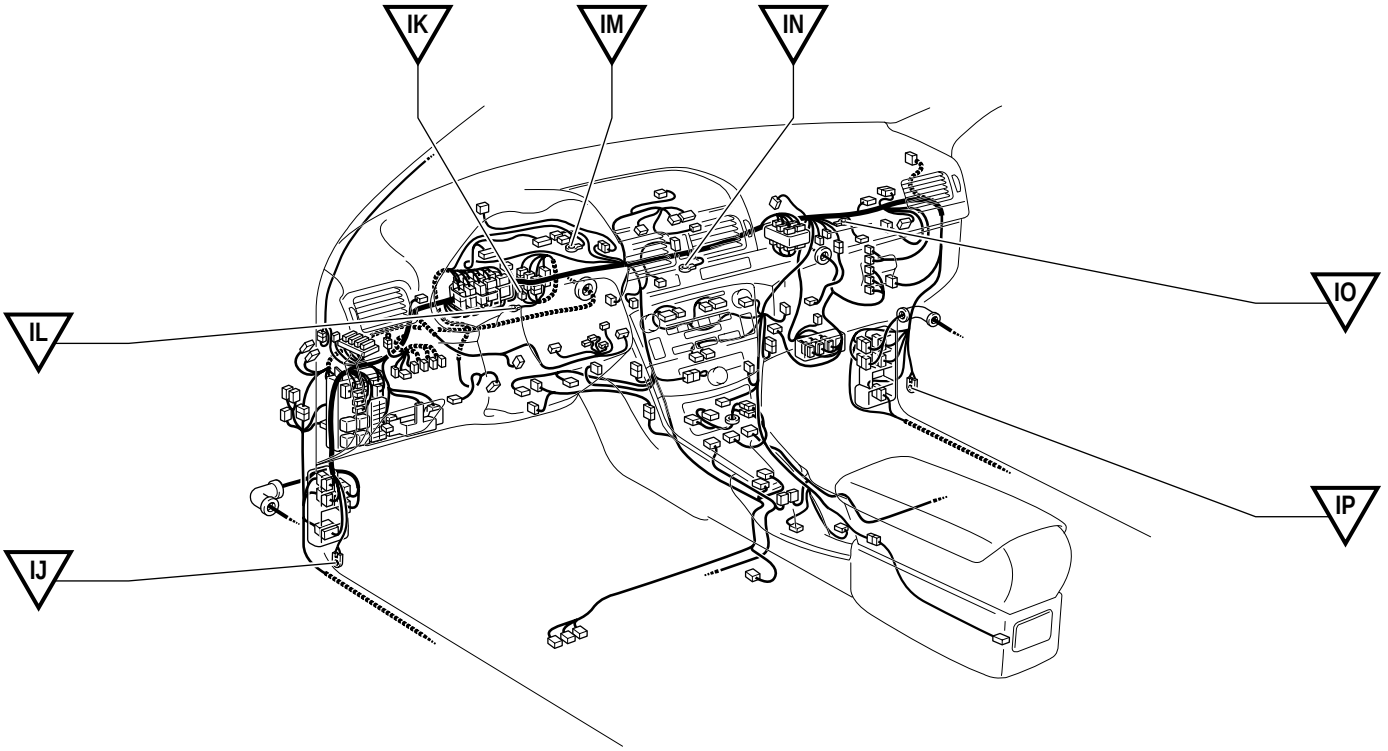
Code	Joining Wire Harness and Wire Harness (Connector Location)
EA1	Engine Wire and Engine No.5 Wire (Near the Starter)
EB1	Engine Wire and Engine No.6 Wire (Near the Starter)
EC1	Engine Wire and Engine No.4 Wire (Near the Starter)
ED1	Engine Wire and Engine Room Main Wire (Left Side of the Suspension Tower)
EE1	Engine Wire and Engine Room Main Wire (Engine Compartment Left)

▭ : Location of Connector Joining Wire Harness and Wire Harness

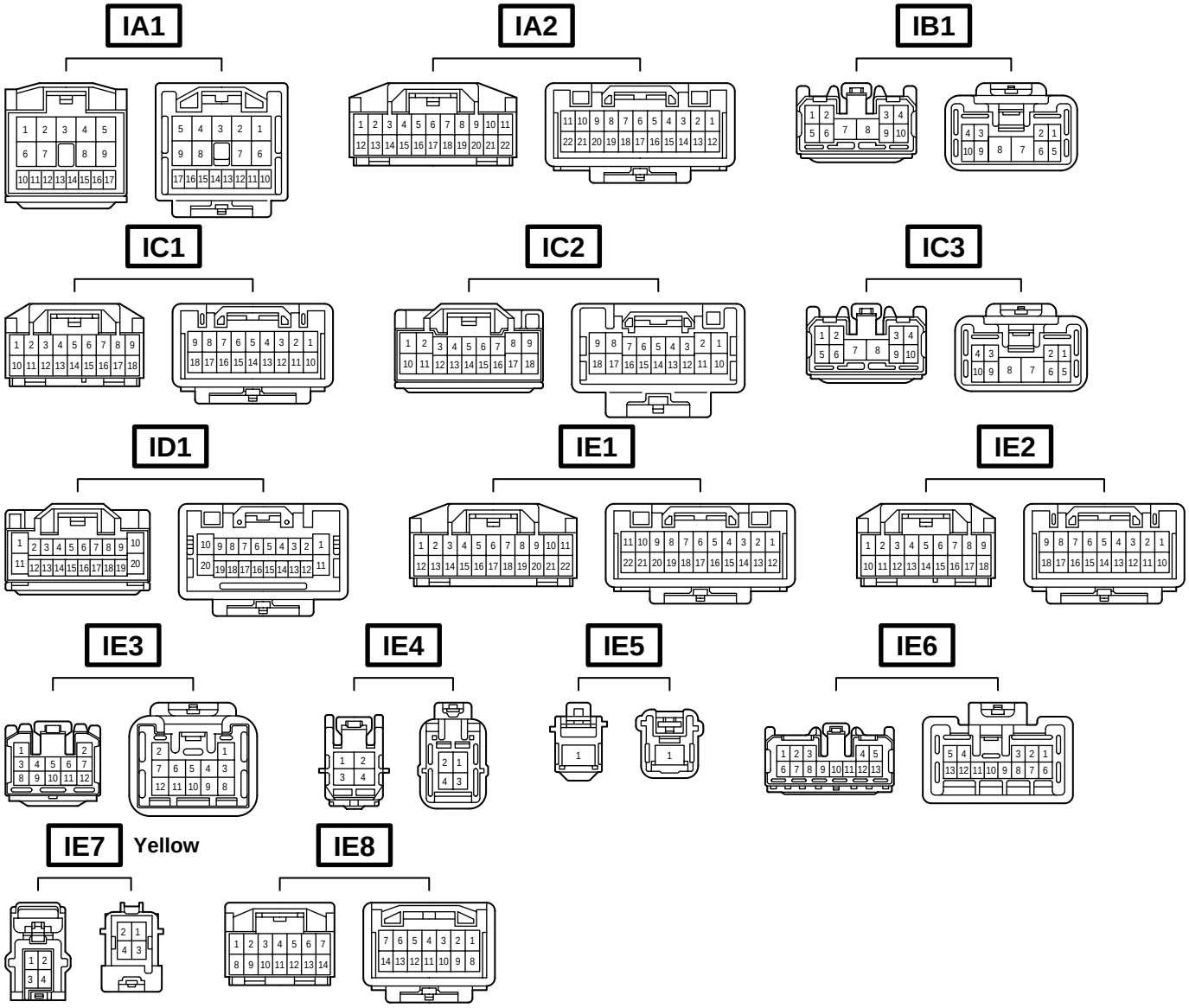
[LHD]



▽ : Location of Ground Points



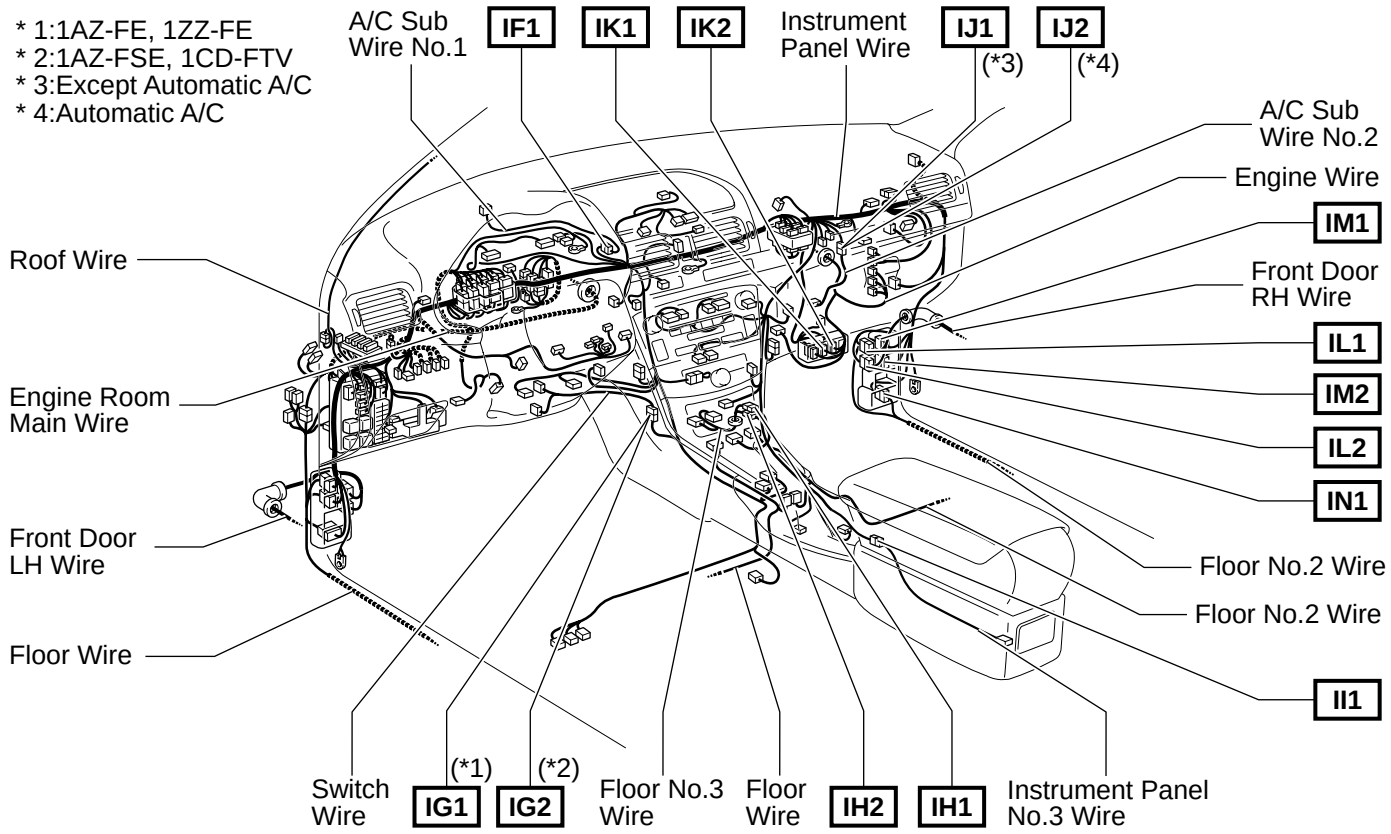
Connector Joining Wire Harness and Wire Harness



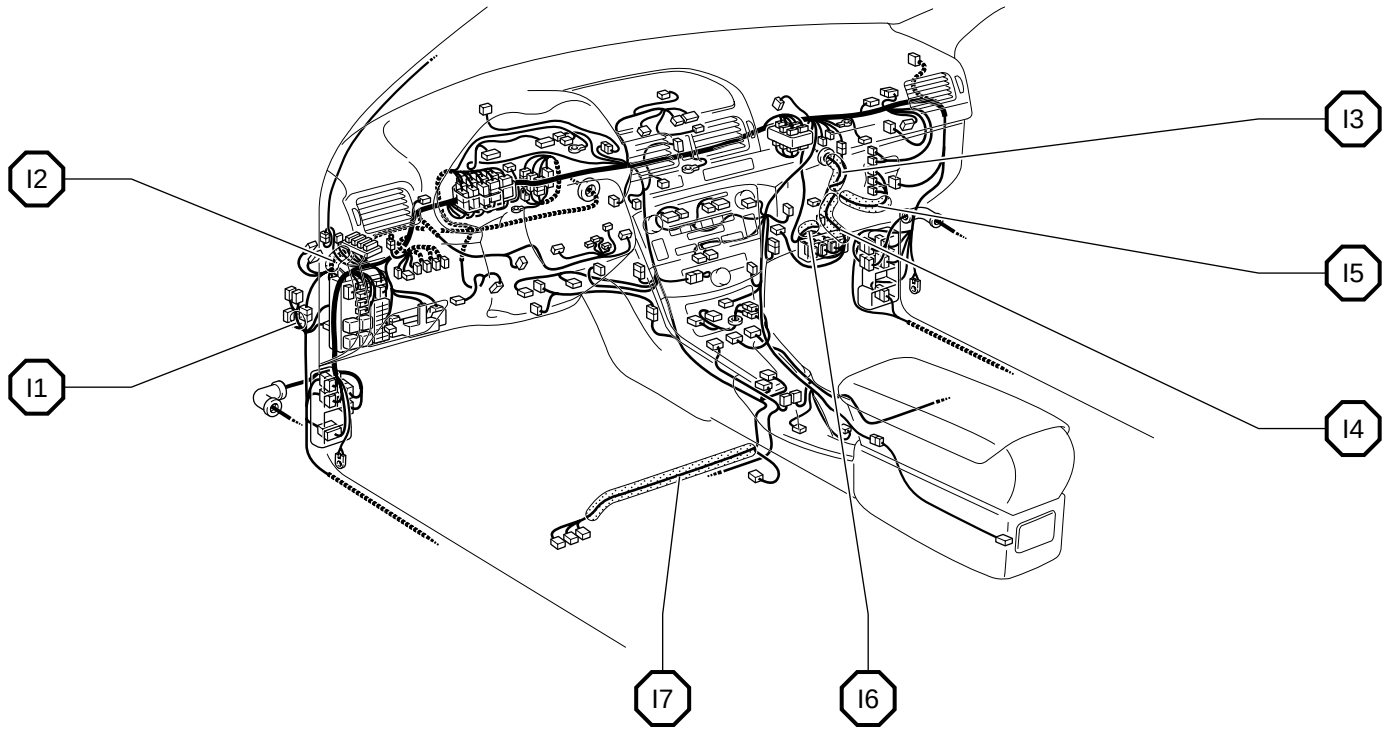
Code	Joining Wire Harness and Wire Harness (Connector Location)
IA1	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
IA2	
IB1	Engine Room Main Wire and Floor Wire (Near the Driver Side J/B)
IC1	Instrument Panel Wire and Floor Wire (Left Kick Panel)
IC2	
IC3	
ID1	Instrument Panel Wire and Roof Wire (Left Side of the Instrument Panel)
IE1	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
IE2	
IE3	
IE4	
IE5	
IE6	
IE7	
IE8	

▭ : Location of Connector Joining Wire Harness and Wire Harness

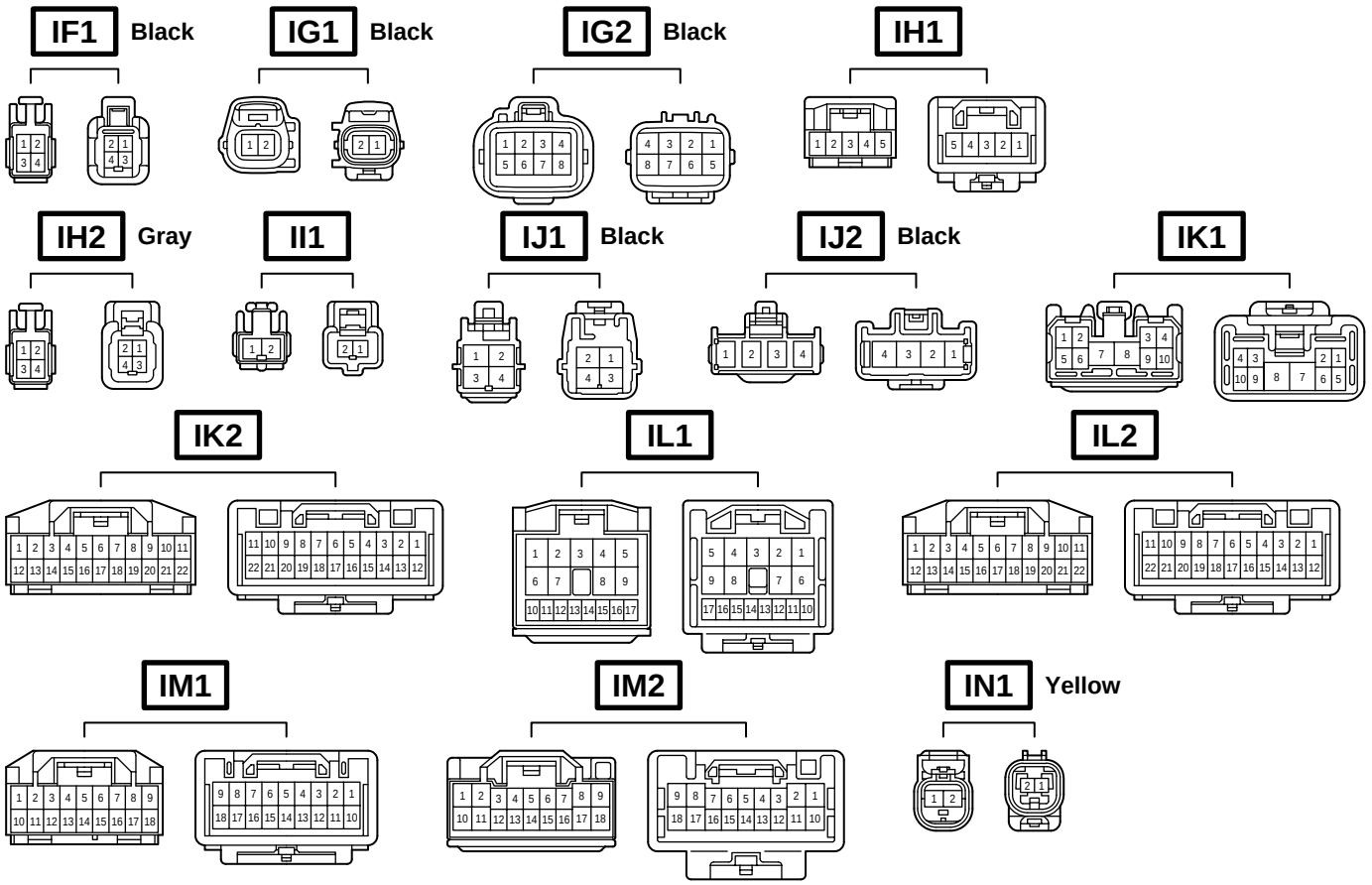
[LHD]



⬡ : Location of Splice Points



Connector Joining Wire Harness and Wire Harness

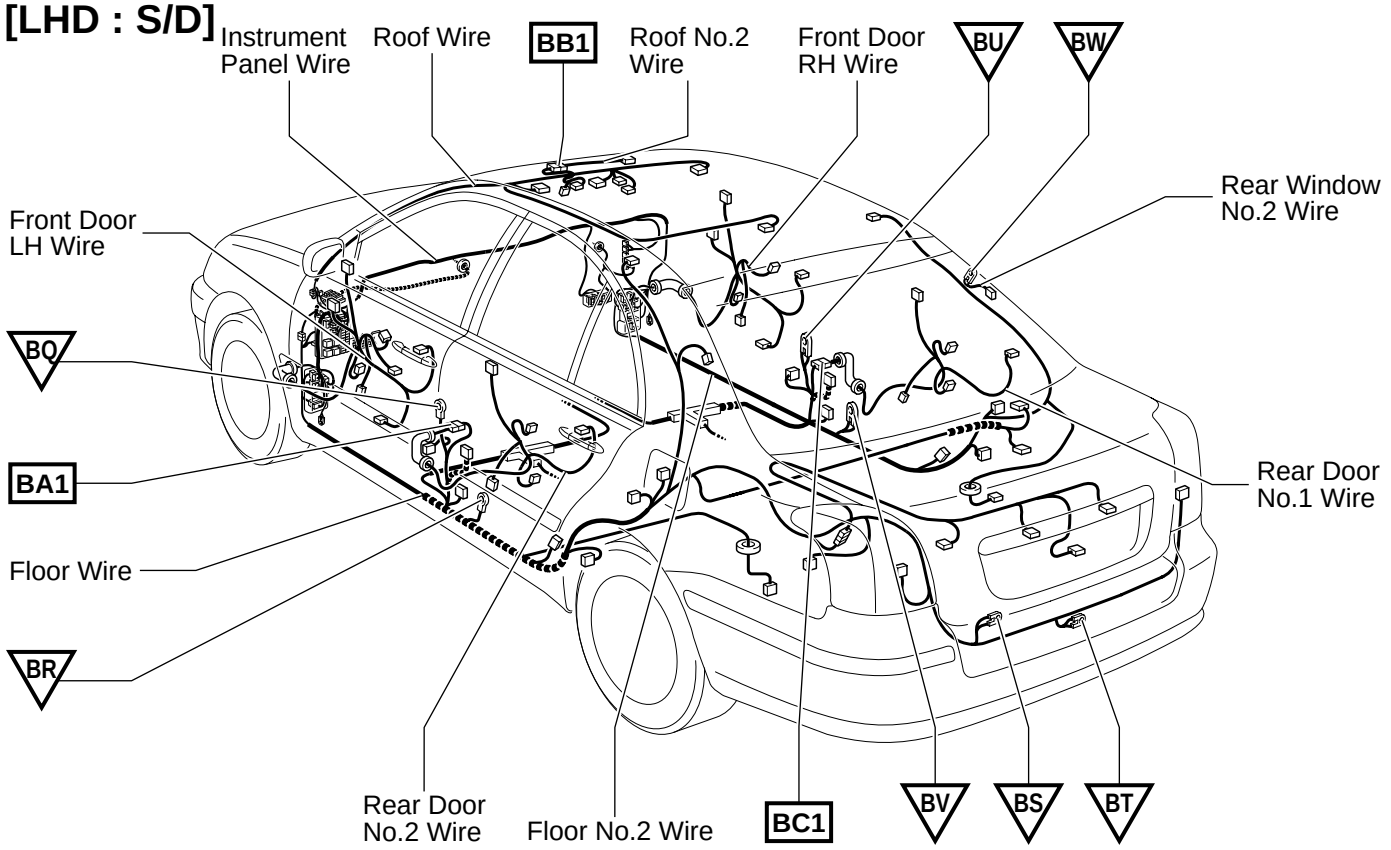


Code	Joining Wire Harness and Wire Harness (Connector Location)
IF1	Instrument Panel Wire and A/C Sub Wire No.1 (Left Side of the Combination Meter)
IG1	Instrument Panel Wire and Switch Wire (Instrument Panel Brace LH)
IG2	
IH1	Floor No.3 Wire and Instrument Panel Wire (Instrument Panel Brace RH)
IH2	
II1	Instrument Panel Wire and Instrument Panel No.3 Wire (Under the Console Box)
IJ1	Instrument Panel Wire and A/C Sub Wire No.2 (Left Side of the A/C Unit)
IJ2	
IK1	Engine Wire and Instrument Panel Wire (Behind the Glove Box)
IK2	
IL1	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
IL2	
IM1	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)
IM2	
IN1	Floor No.2 Wire and Instrument Panel Wire (Right Kick Panel)

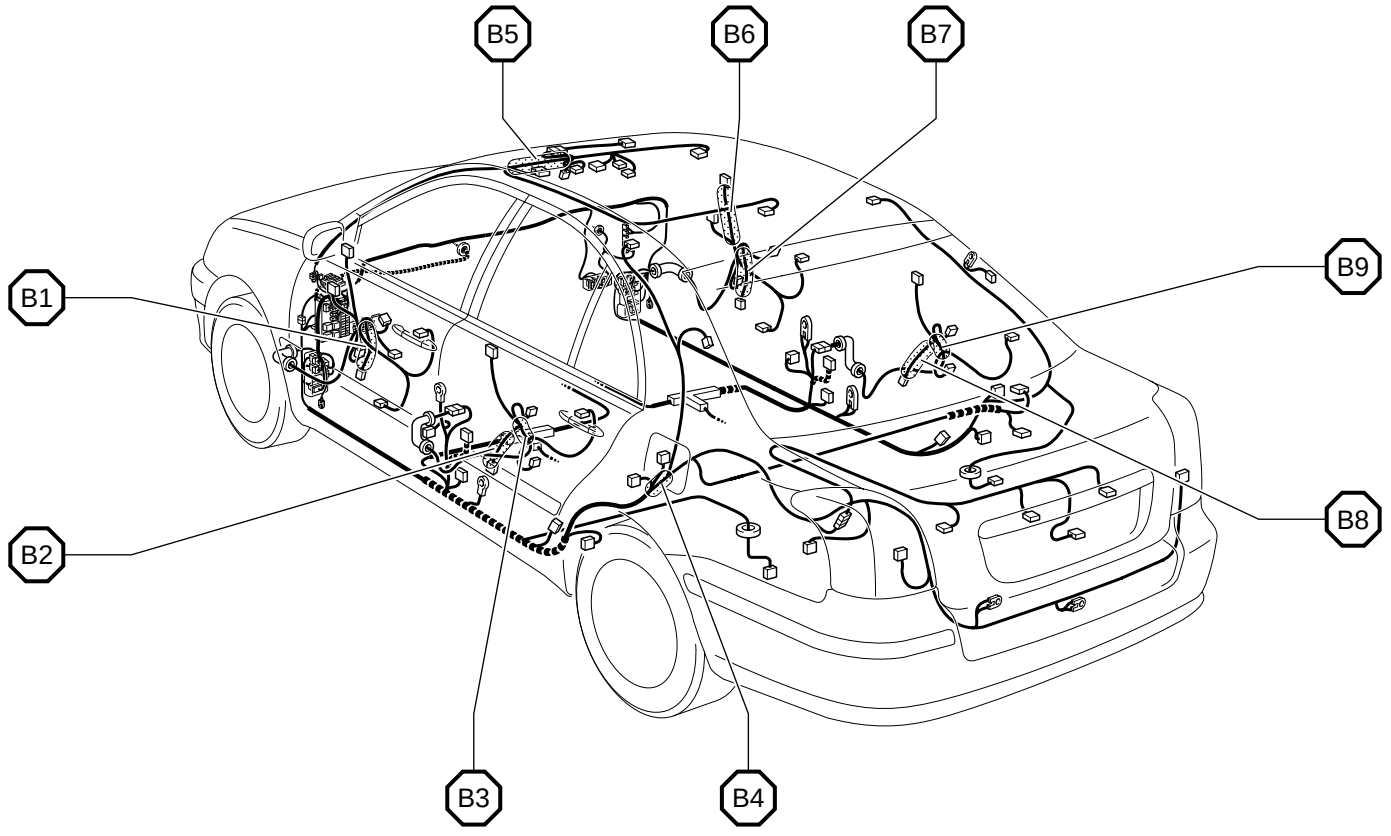
▭ : Location of Connector Joining Wire Harness and Wire Harness

▽ : Location of Ground Points

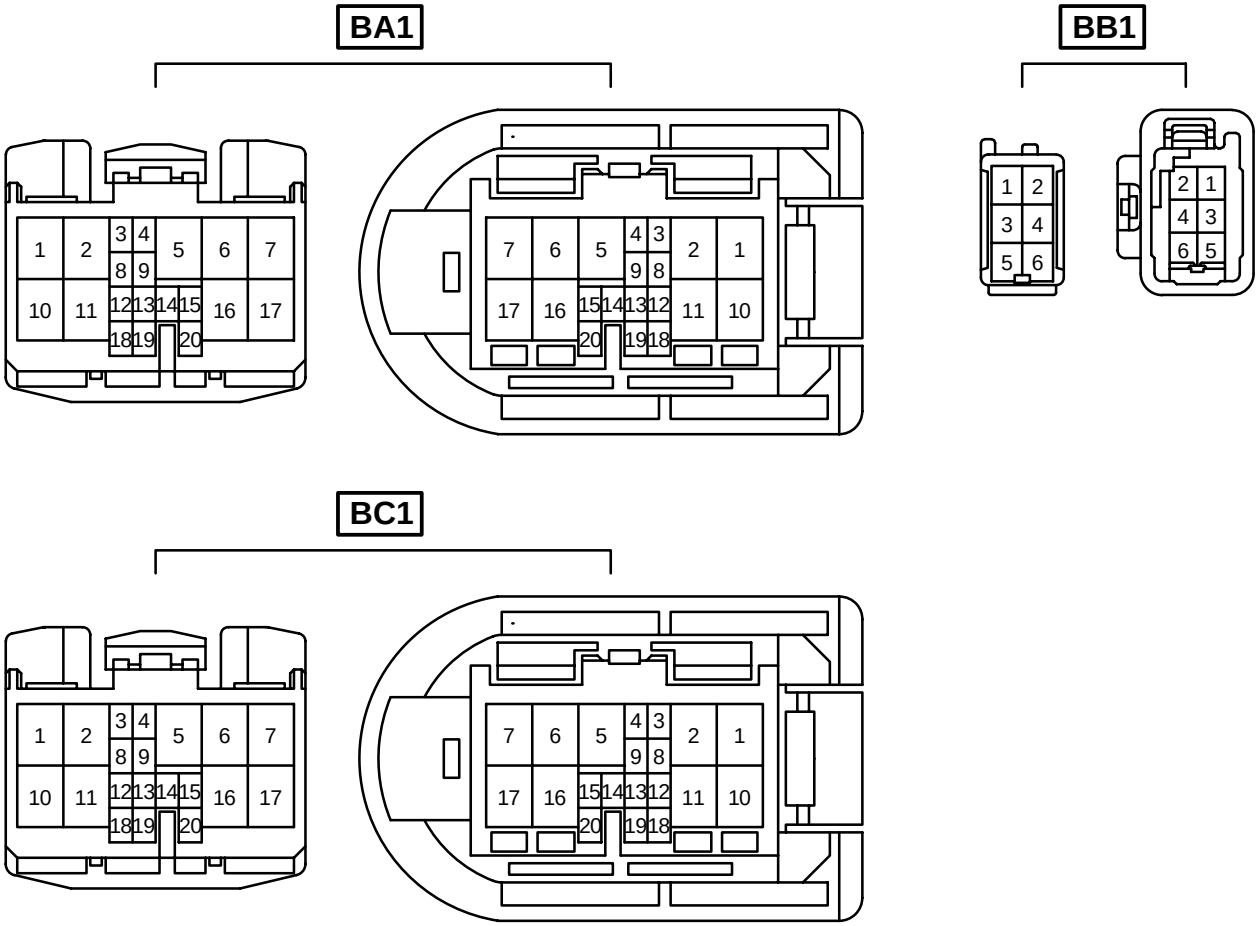
[LHD : S/D]



⬡ : Location of Splice Points



Connector Joining Wire Harness and Wire Harness

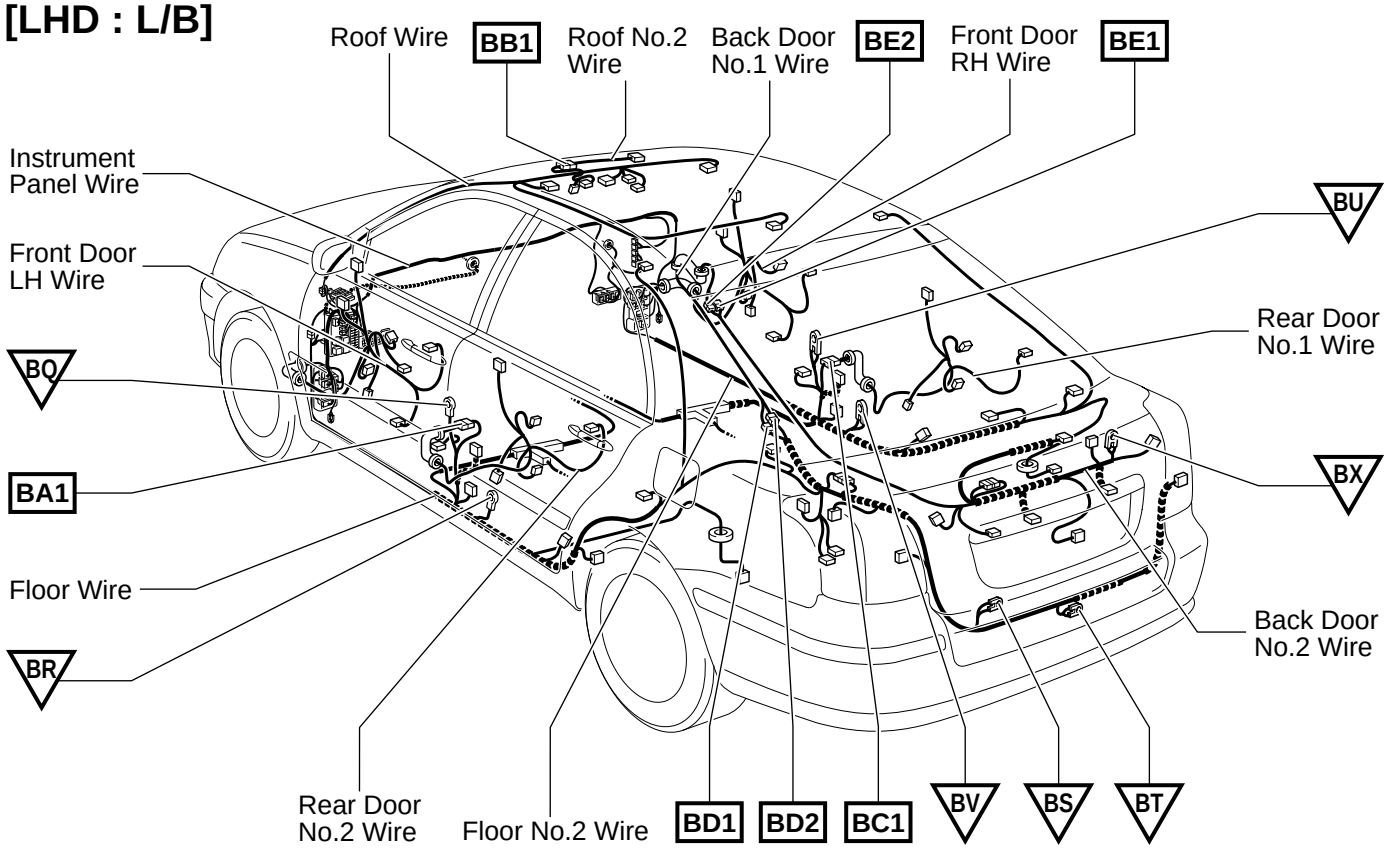


Code	Joining Wire Harness and Wire Harness (Connector Location)
BA1	Rear Door No.2 Wire and Floor Wire (Under the Left Center Pillar)
BB1	Roof Wire and Roof No.2 Wire (Near the Personal Light)
BC1	Rear Door No.1 Wire and Floor No.2 Wire (Under the Right Center Pillar)

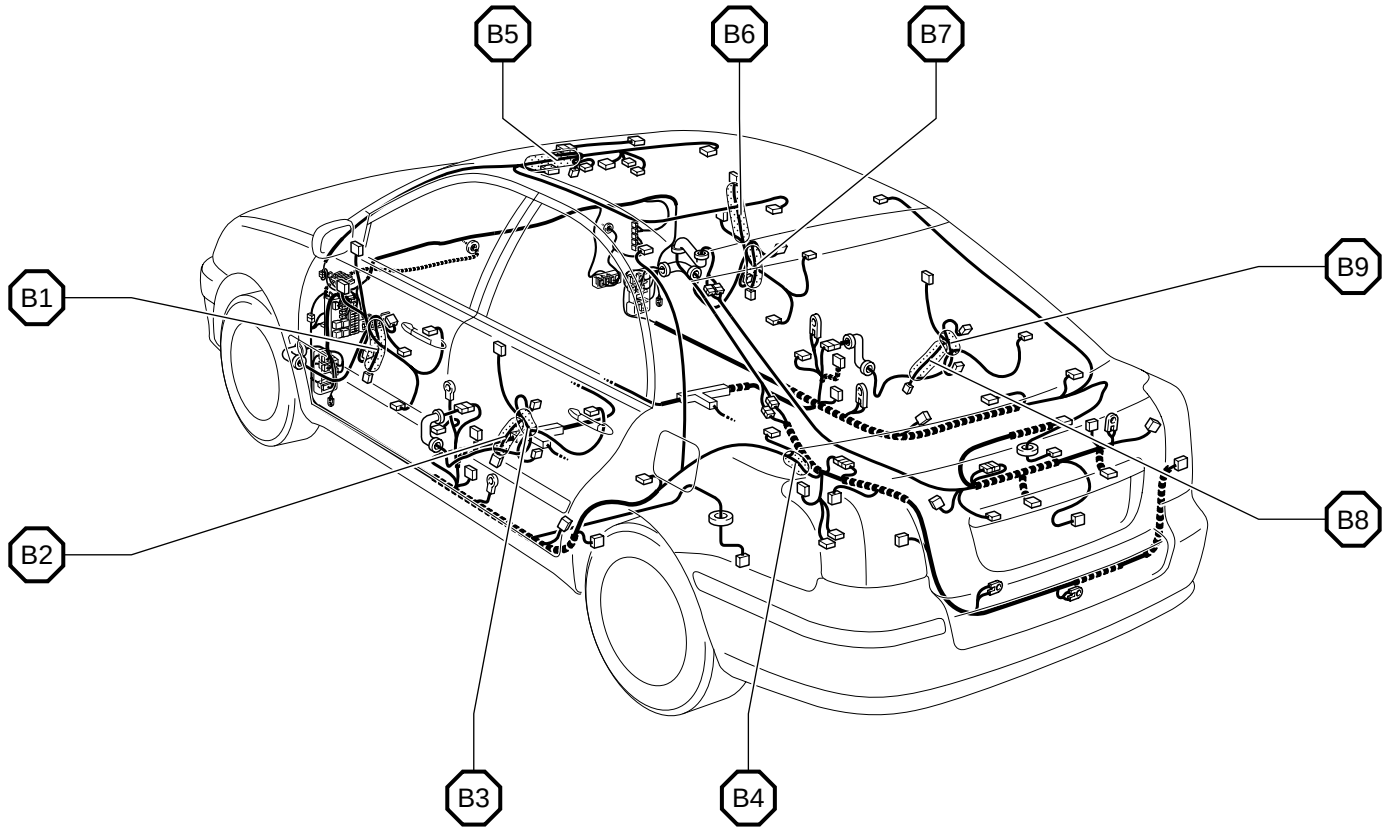
▭ : Location of Connector Joining Wire Harness and Wire Harness

▽ : Location of Ground Points

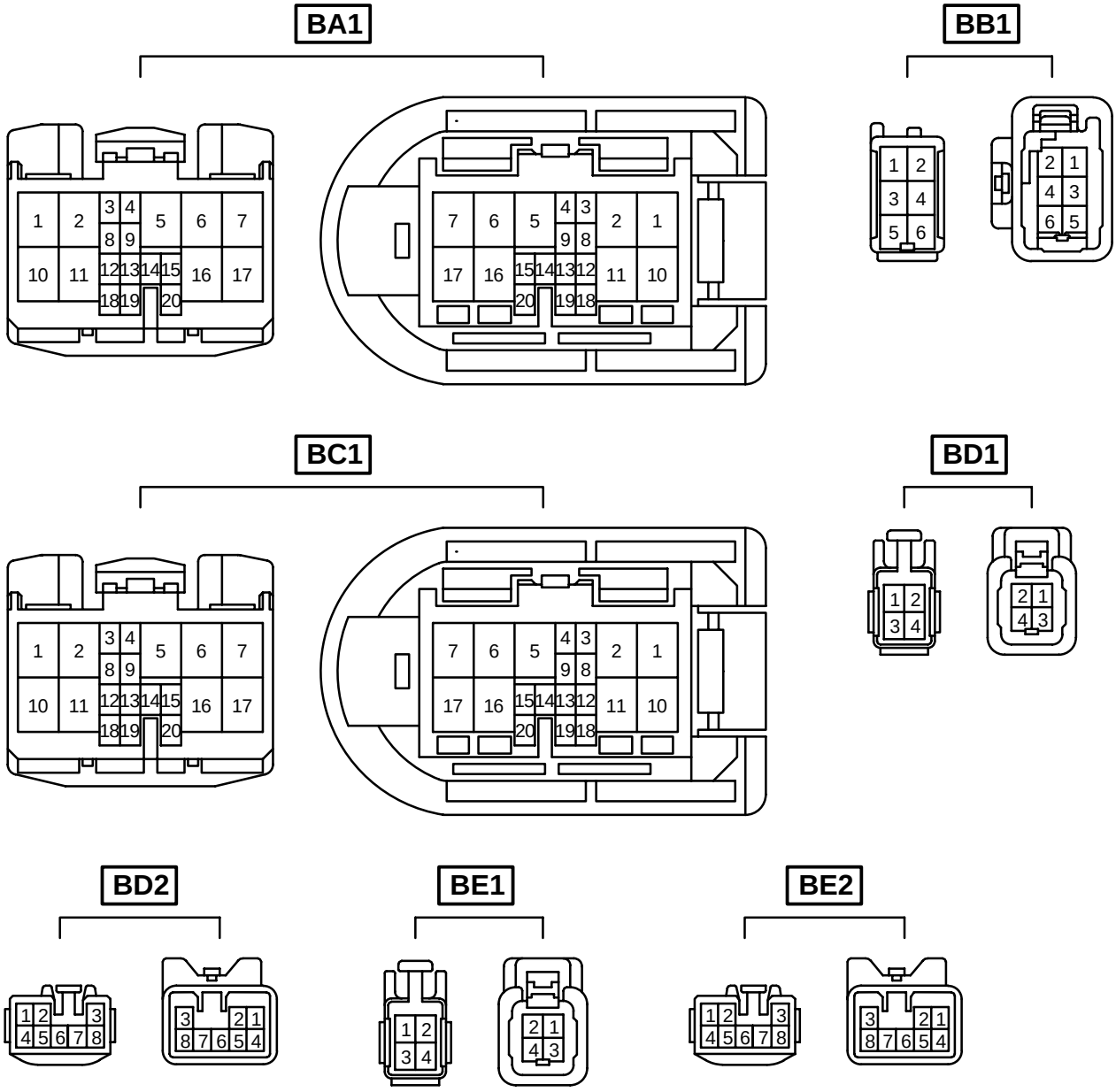
[LHD : L/B]



○ : Location of Splice Points



Connector Joining Wire Harness and Wire Harness

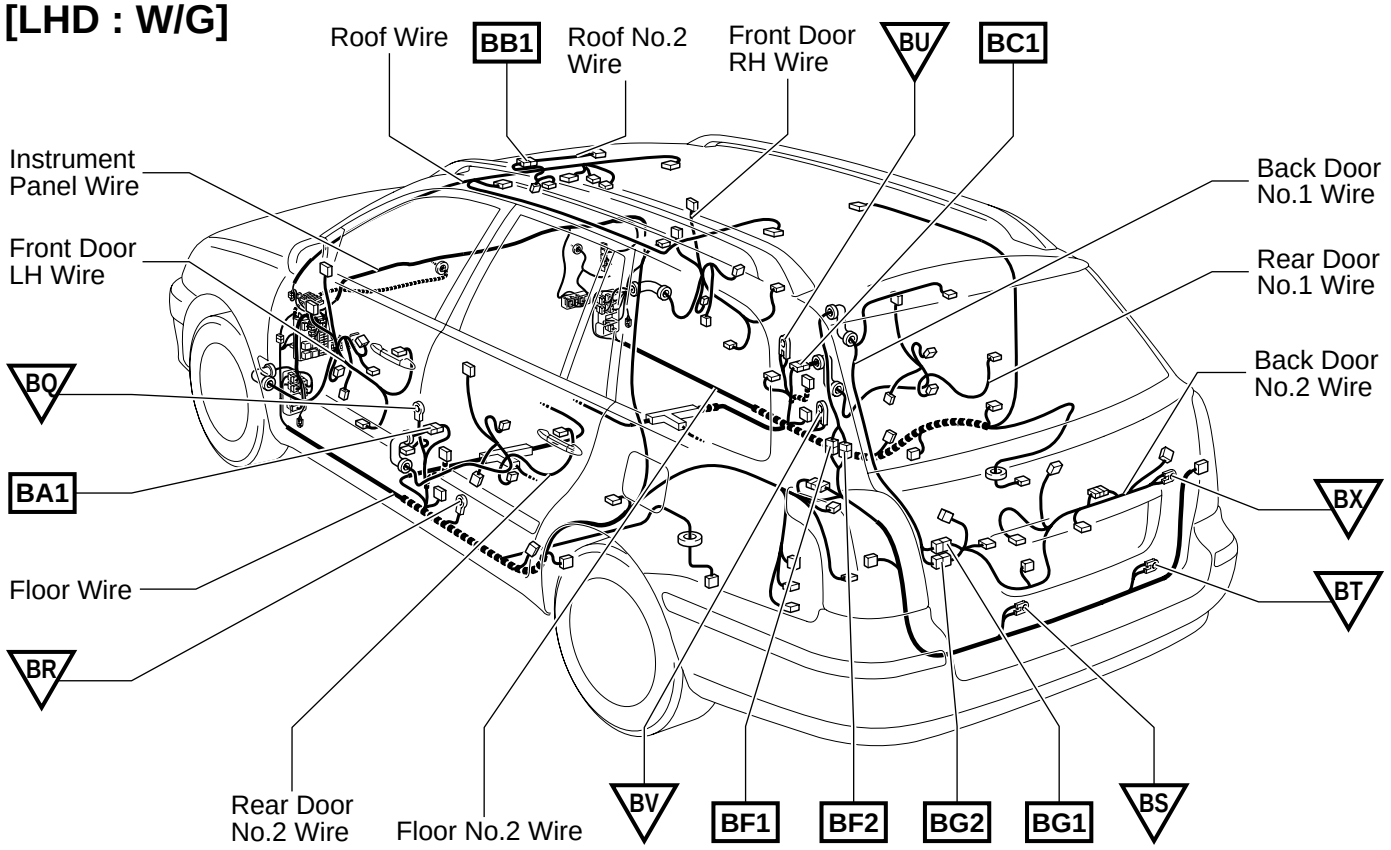


Code	Joining Wire Harness and Wire Harness (Connector Location)
BA1	Rear Door No.2 Wire and Floor Wire (Under the Left Center Pillar)
BB1	Roof Wire and Roof No.2 Wire (Near the Personal Light)
BC1	Rear Door No.1 Wire and Floor No.2 Wire (Under the Right Center Pillar)
BD1	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
BD2	
BE1	Back Door No.2 Wire and Back Door No.1 Wire (Back Door Upper Left)
BE2	

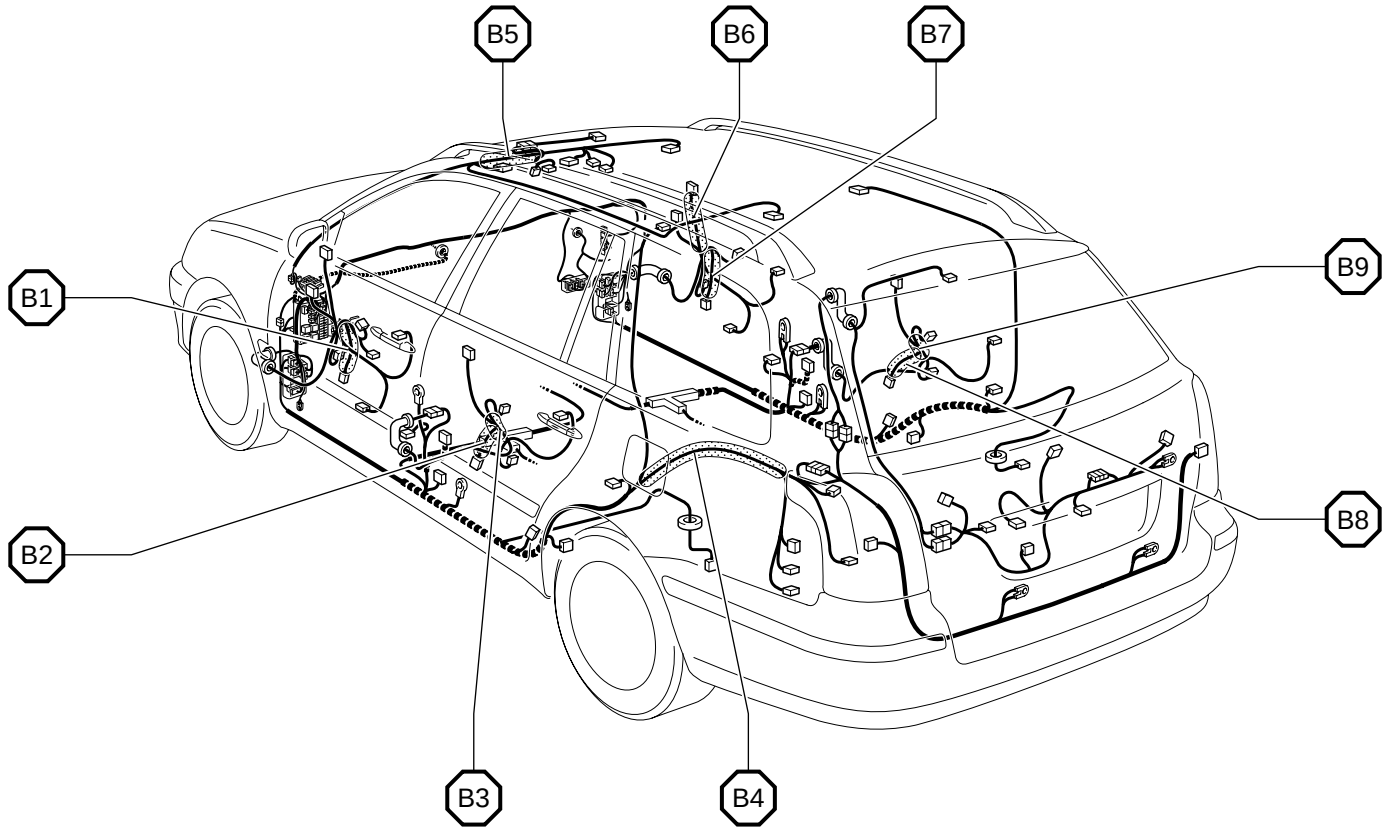
▭ : Location of Connector Joining Wire Harness and Wire Harness

▽ : Location of Ground Points

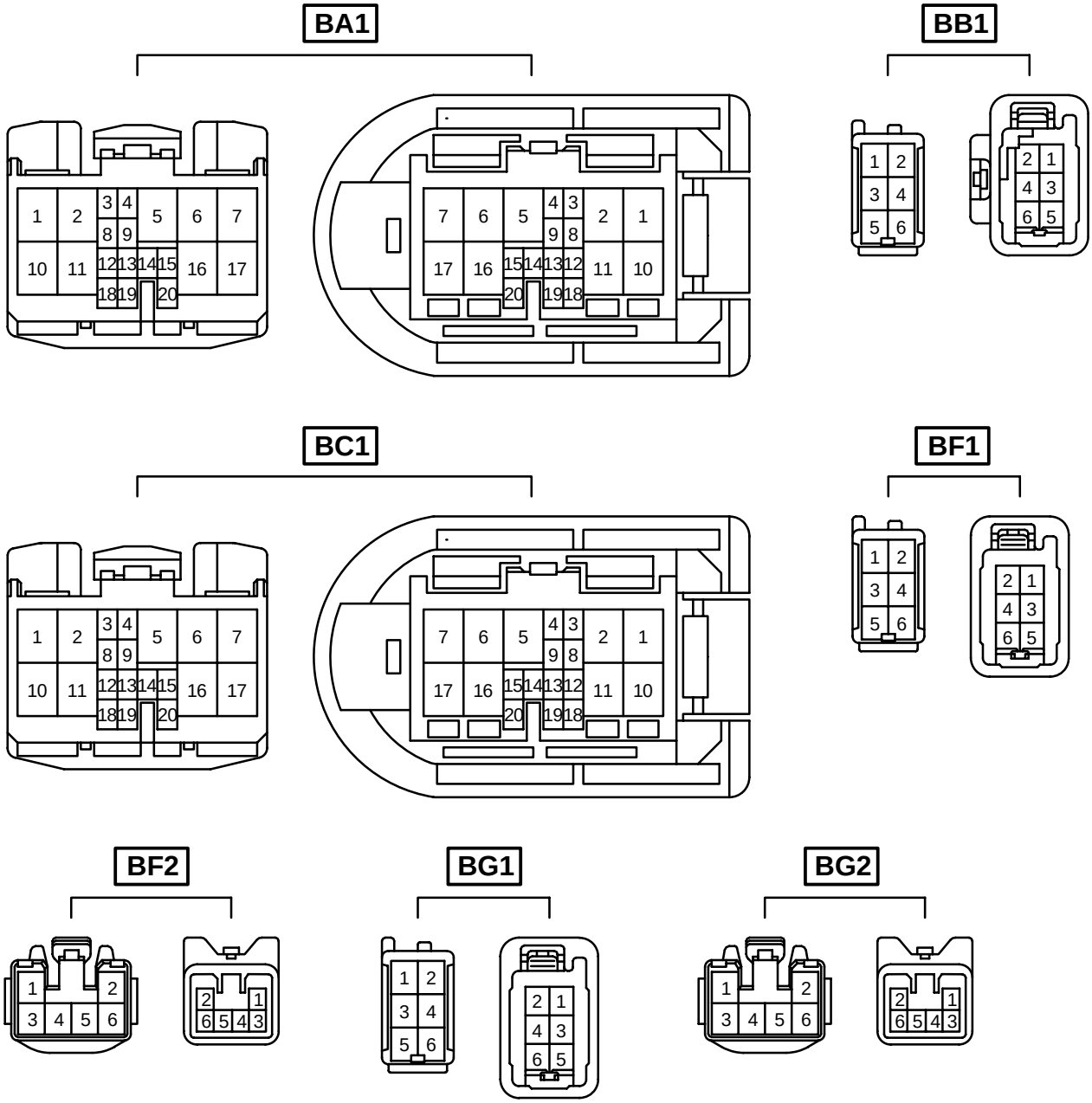
[LHD : W/G]



○ : Location of Splice Points

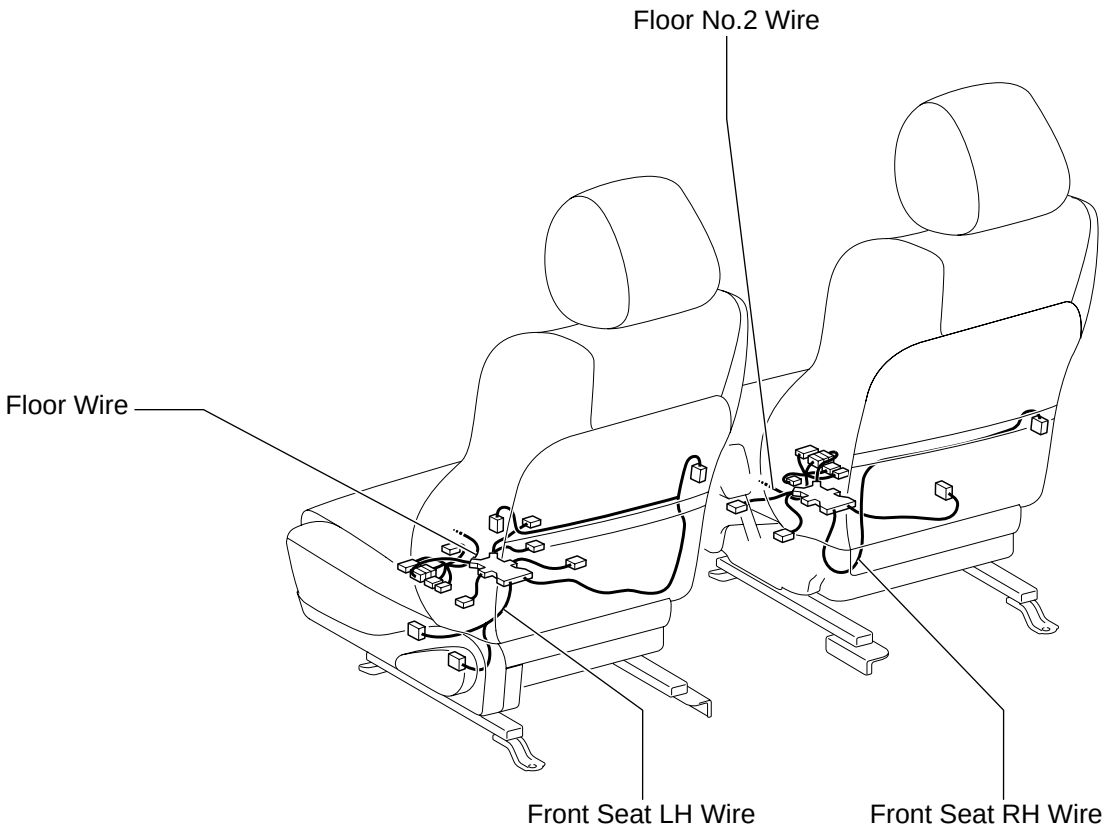


Connector Joining Wire Harness and Wire Harness



Code	Joining Wire Harness and Wire Harness (Connector Location)
BA1	Rear Door No.2 Wire and Floor Wire (Under the Left Center Pillar)
BB1	Roof Wire and Roof No.2 Wire (Near the Personal Light)
BC1	Rear Door No.1 Wire and Floor No.2 Wire (Under the Right Center Pillar)
BF1	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
BF2	
BG1	Back Door No.1 Wire and Back Door No.2 Wire (Back Door Left)
BG2	

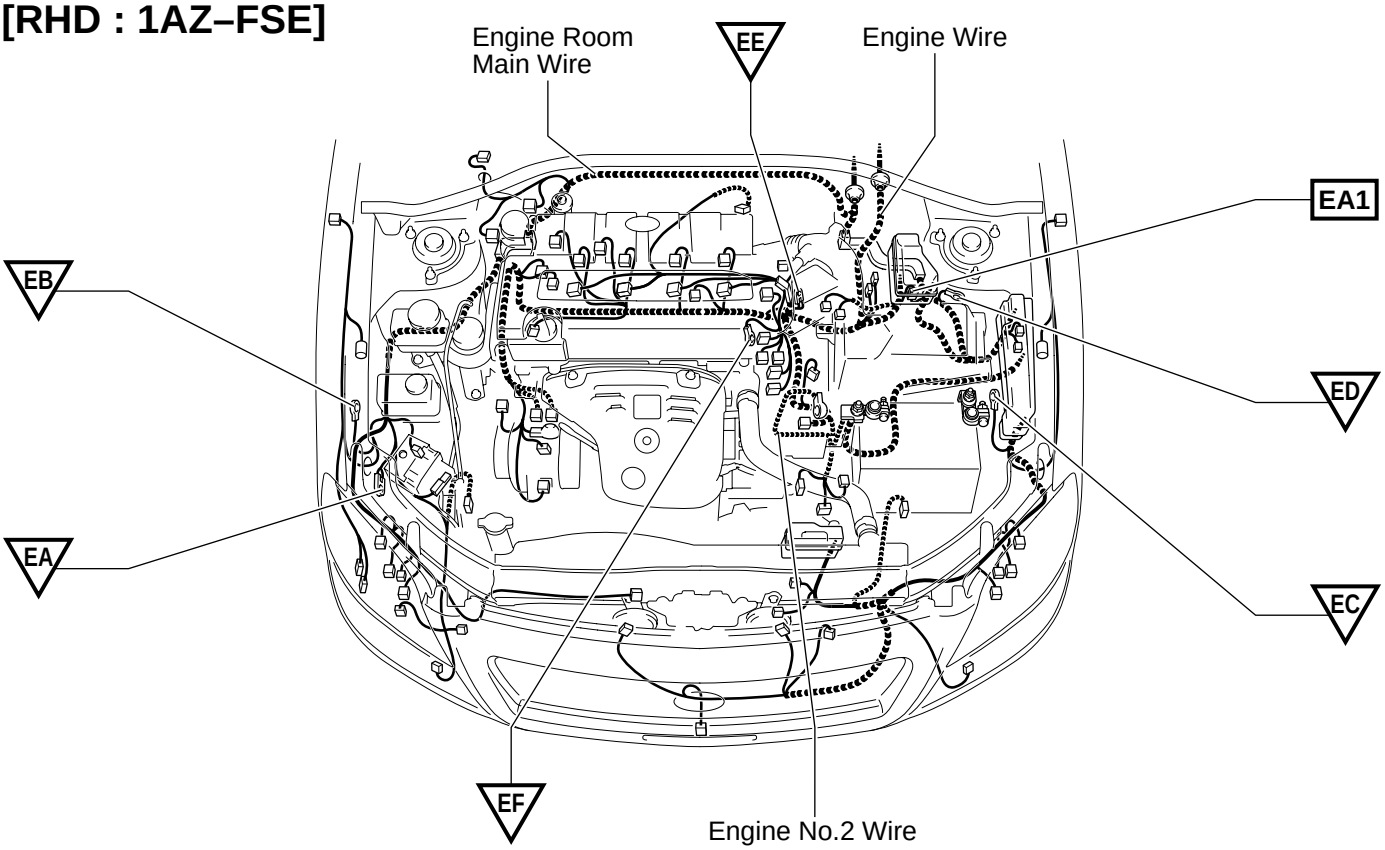
[LHD]


Floor No.2 Wire
Floor Wire
Front Seat LH Wire
Front Seat RH Wire

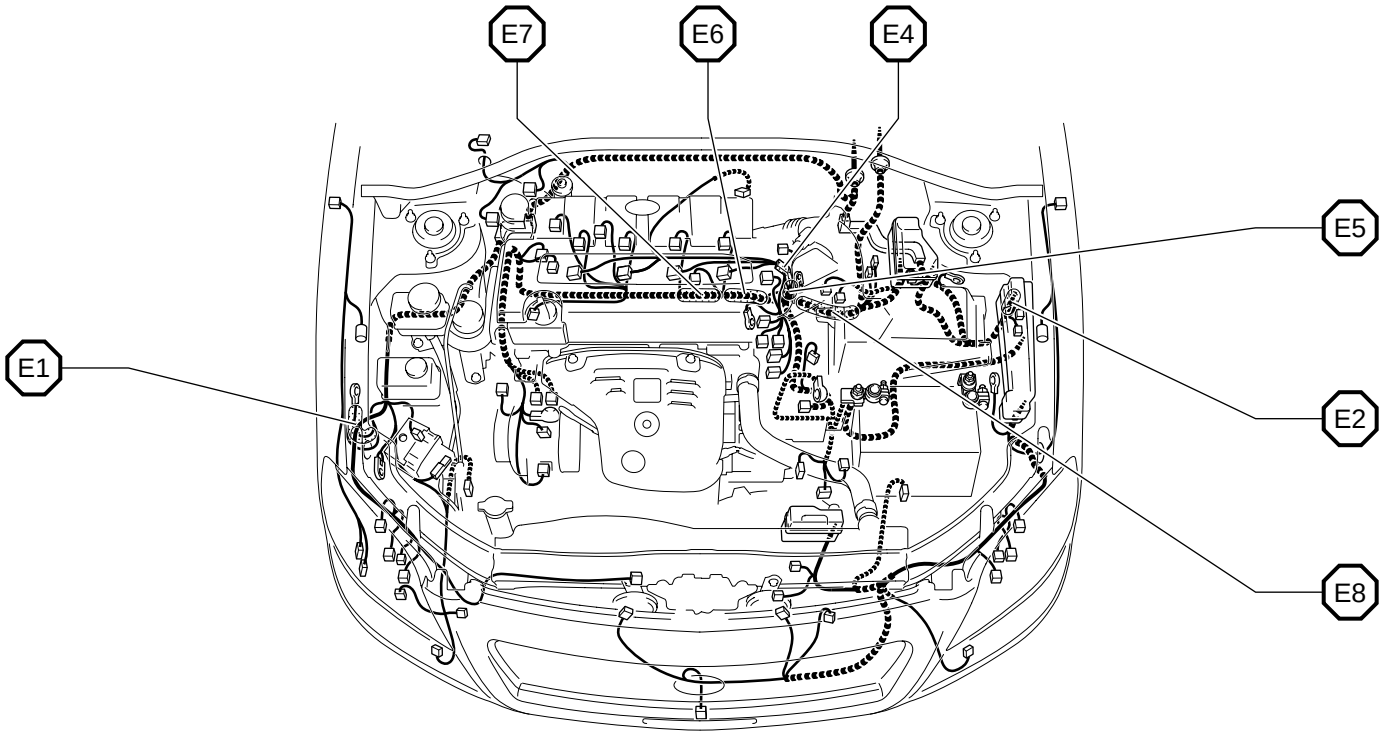
▭ : Location of Connector Joining Wire Harness and Wire Harness

▽ : Location of Ground Points

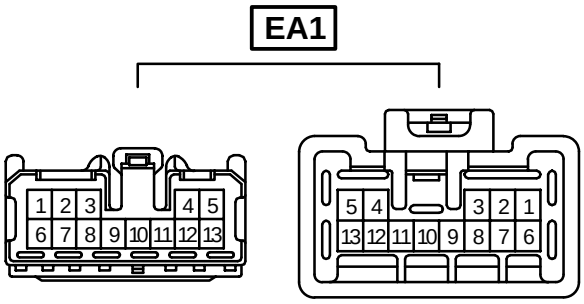
[RHD : 1AZ–FSE]



○ : Location of Splice Points



Connector Joining Wire Harness and Wire Harness

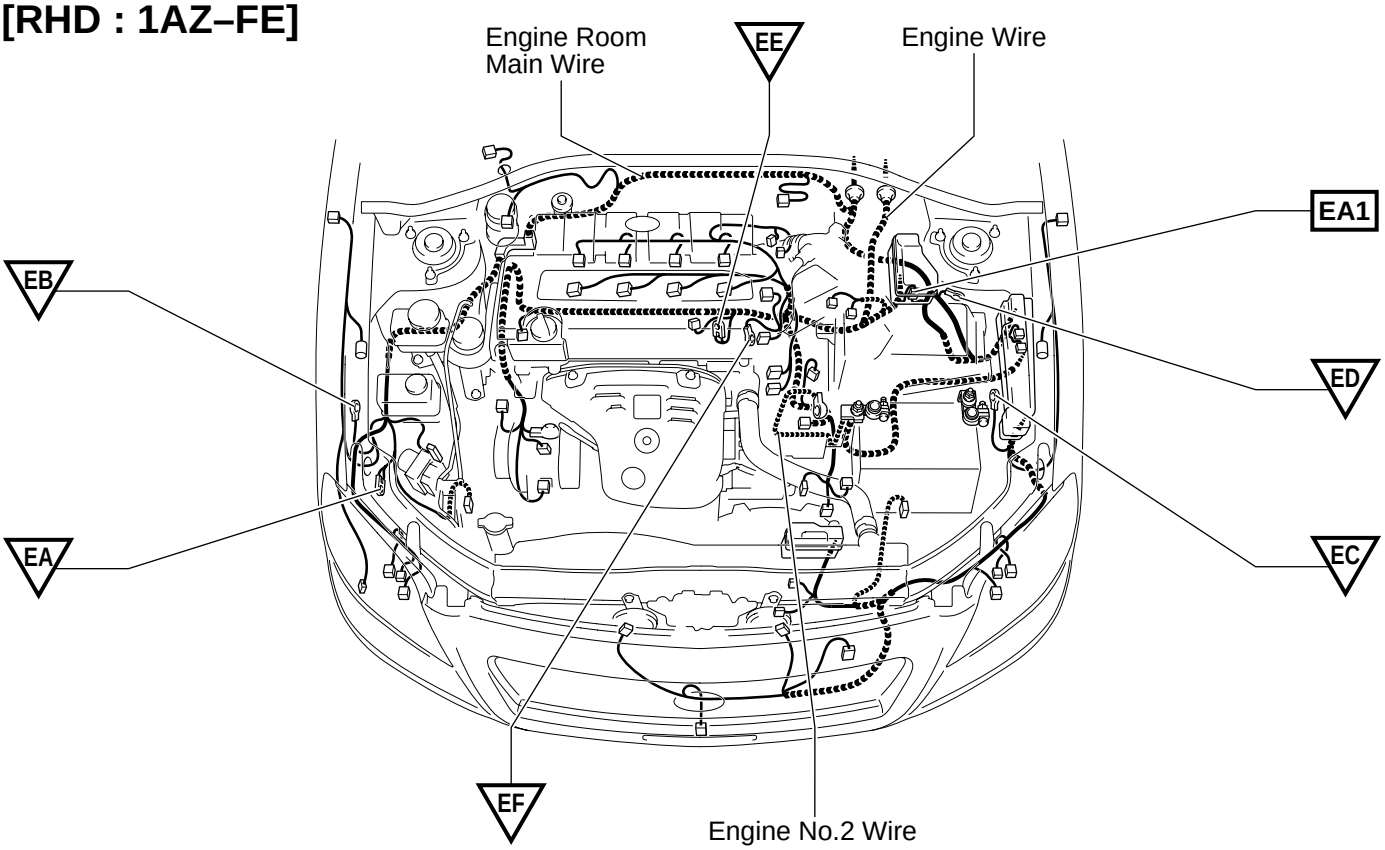


Code	Joining Wire Harness and Wire Harness (Connector Location)
EA1	Engine Wire and Engine Room Main Wire (Left Side of the Suspension Tower)

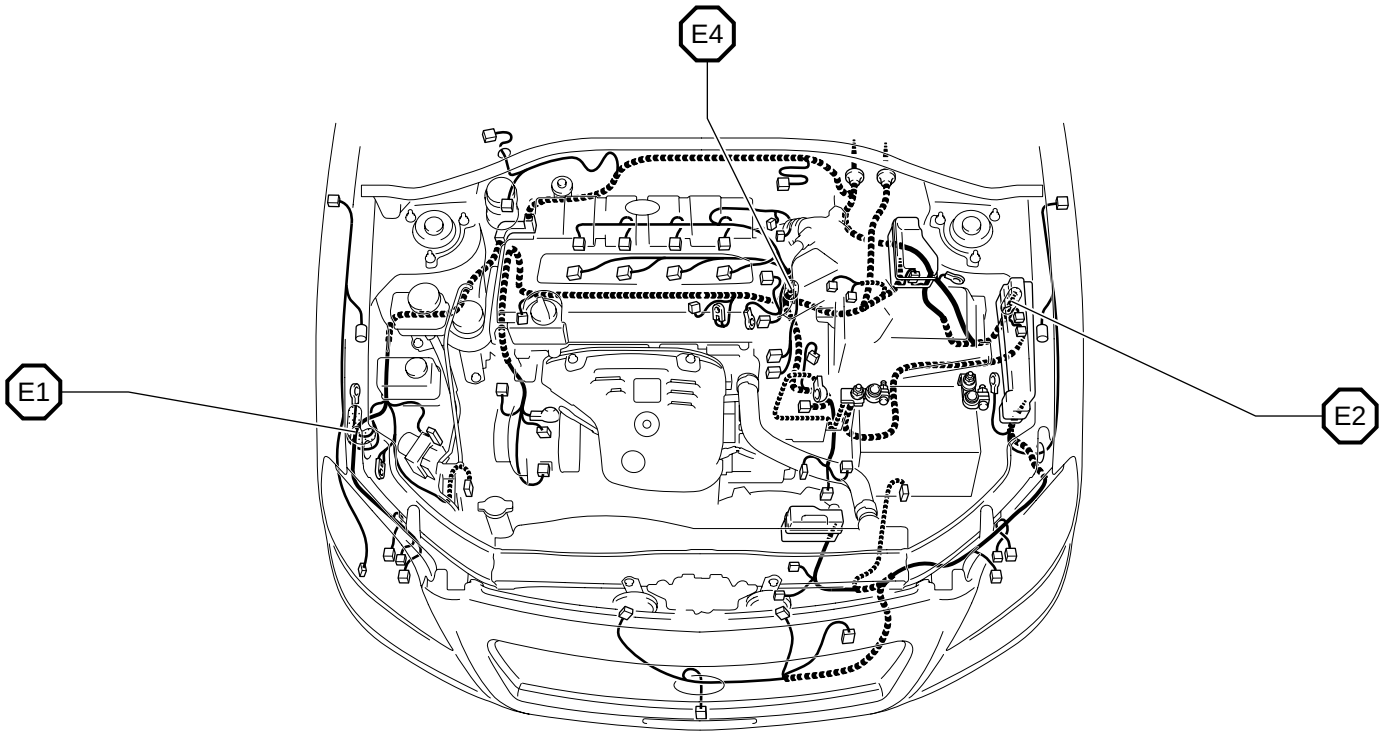
▭ : Location of Connector Joining Wire Harness and Wire Harness

▽ : Location of Ground Points

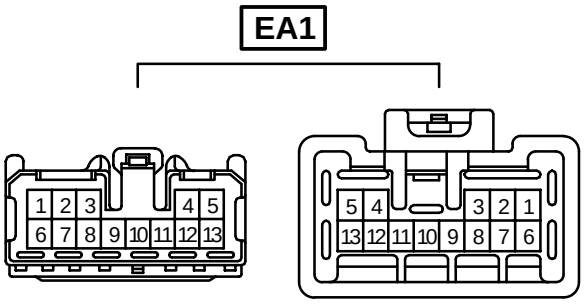
[RHD : 1AZ–FE]



◯ : Location of Splice Points



Connector Joining Wire Harness and Wire Harness

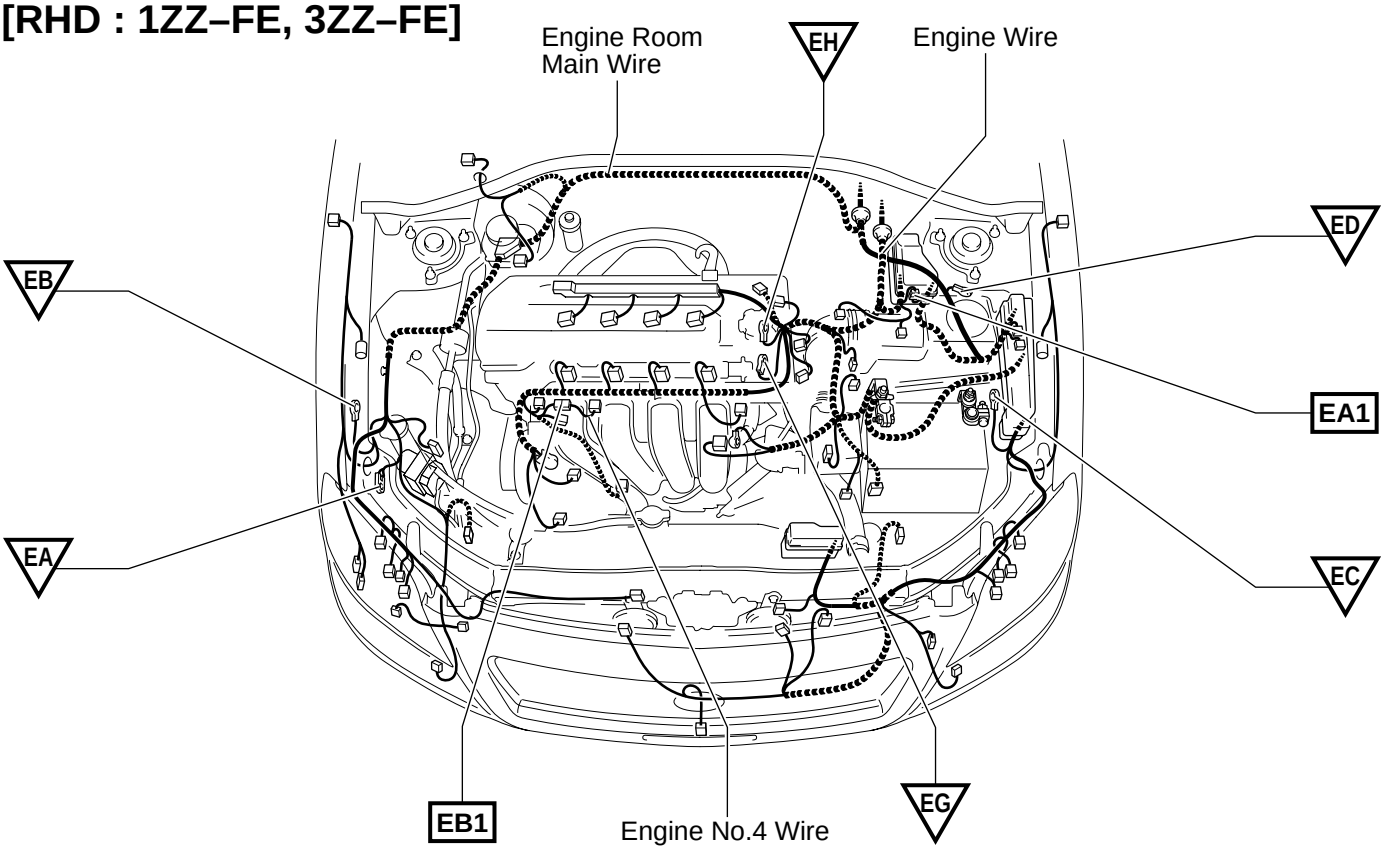


Code	Joining Wire Harness and Wire Harness (Connector Location)
EA1	Engine Wire and Engine Room Main Wire (Left Side of the Suspension Tower)

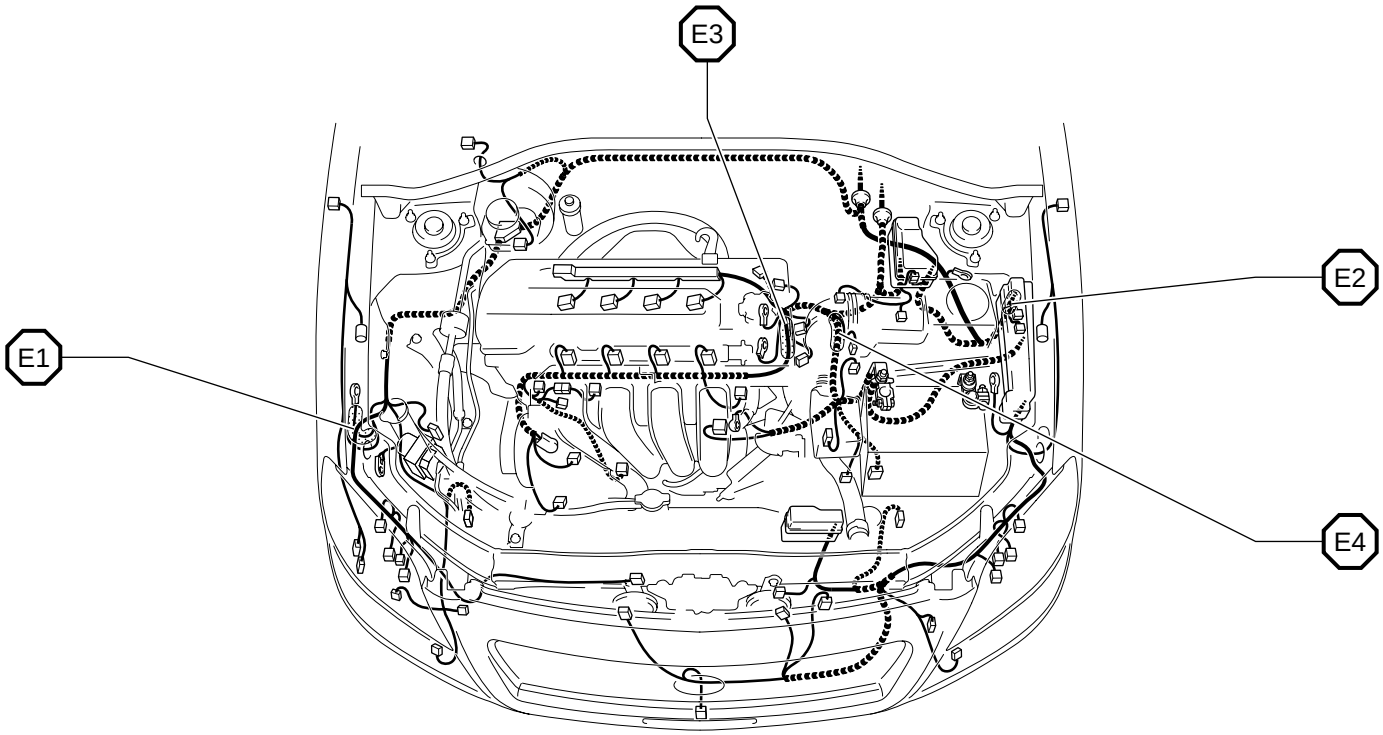
▭ : Location of Connector Joining Wire Harness and Wire Harness

▽ : Location of Ground Points

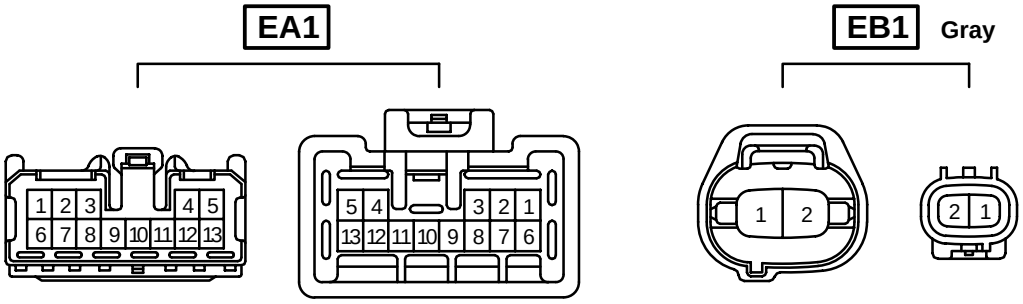
[RHD : 1ZZ–FE, 3ZZ–FE]



○ : Location of Splice Points



Connector Joining Wire Harness and Wire Harness

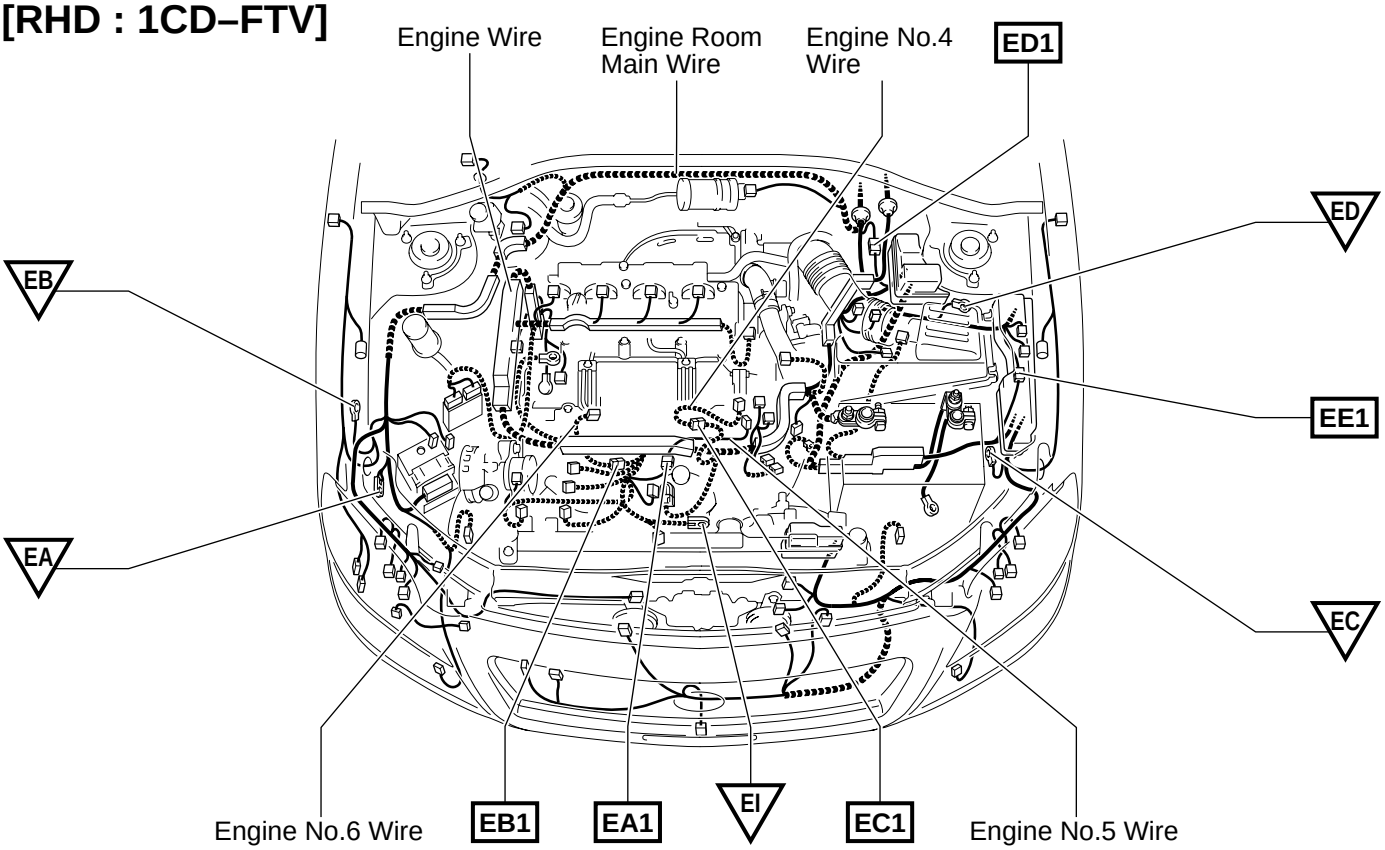


Code	Joining Wire Harness and Wire Harness (Connector Location)
EA1	Engine Wire and Engine Room Main Wire (Left Side of the Suspension Tower)
EB1	Engine Wire and Engine No.4 Wire (Near the Alternator)

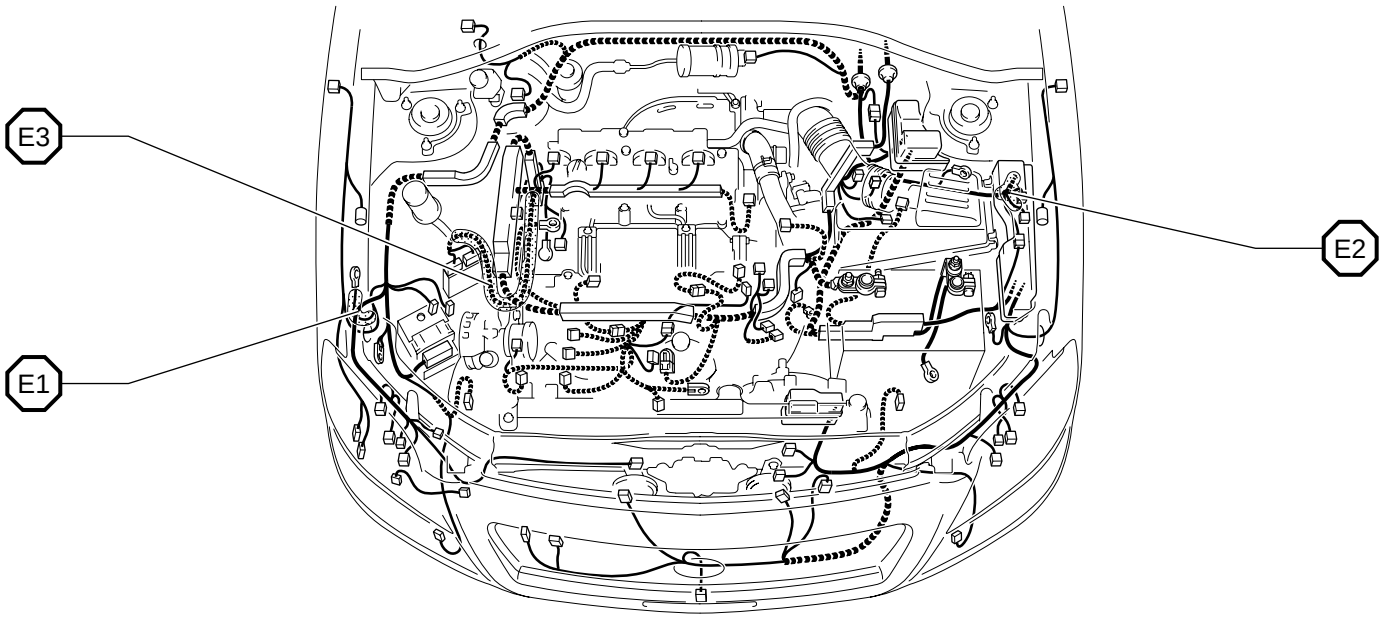
▭ : Location of Connector Joining Wire Harness and Wire Harness

▽ : Location of Ground Points

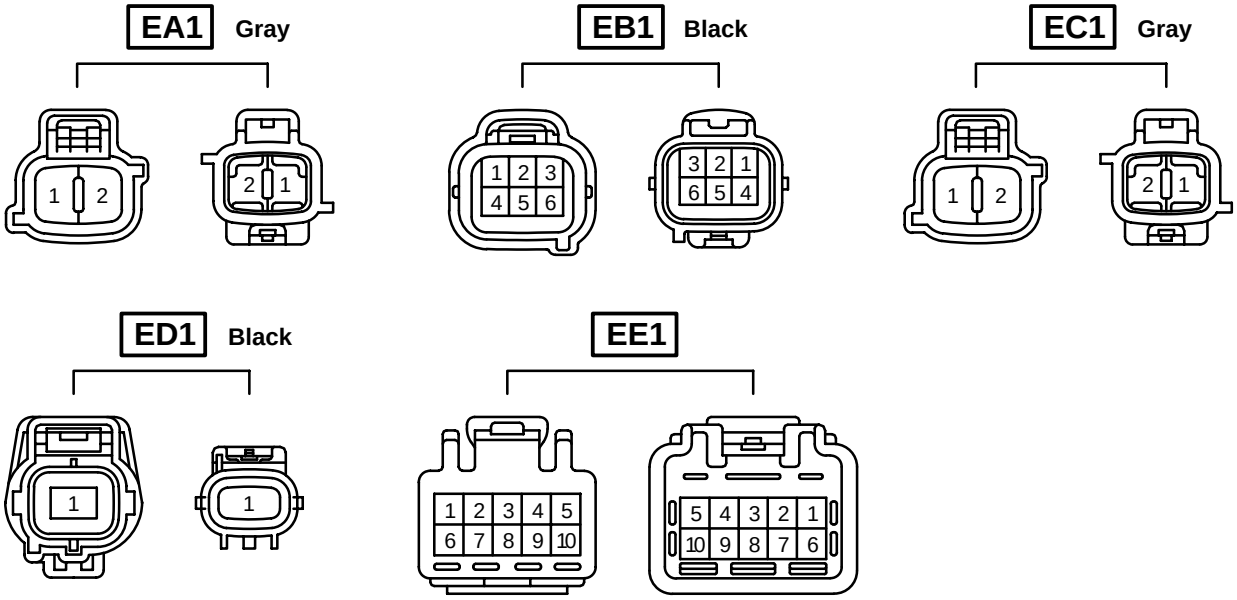
[RHD : 1CD–FTV]



⬡ : Location of Splice Points



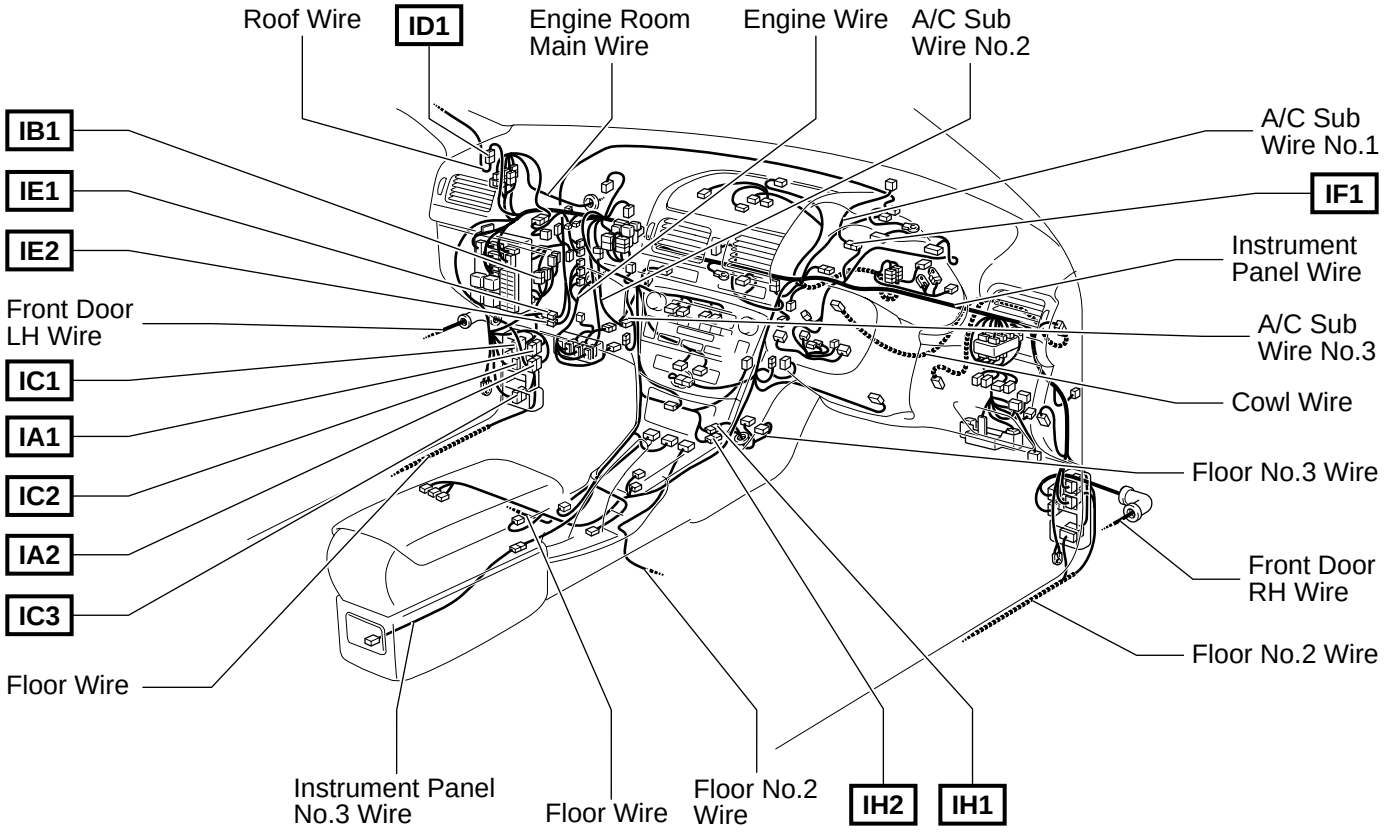
Connector Joining Wire Harness and Wire Harness



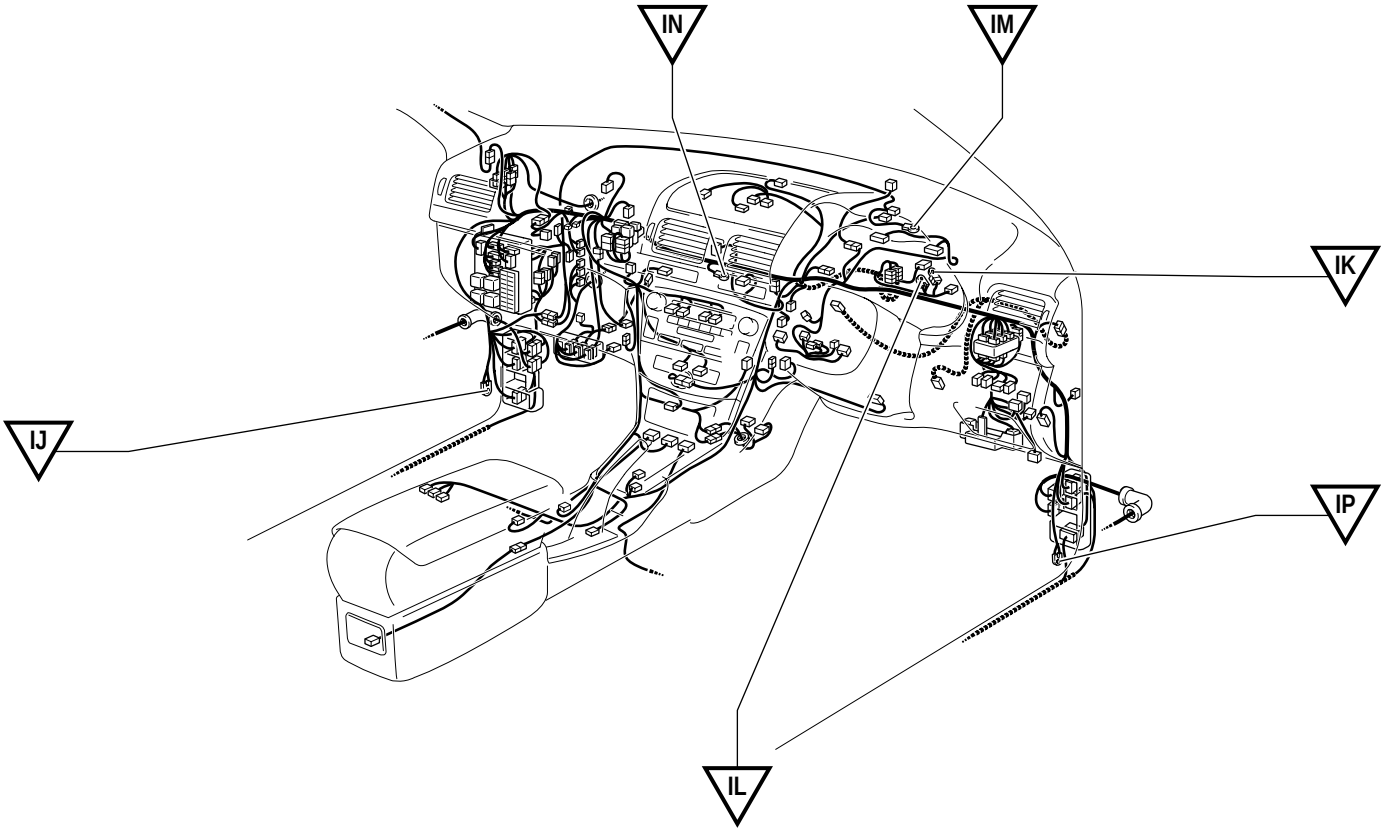
Code	Joining Wire Harness and Wire Harness (Connector Location)
EA1	Engine Wire and Engine No.5 Wire (Near the Starter)
EB1	Engine Wire and Engine No.6 Wire (Near the Starter)
EC1	Engine Wire and Engine No.4 Wire (Near the Starter)
ED1	Engine Wire and Engine Room Main Wire (Left Side of the Suspension Tower)
EE1	Engine Wire and Engine Room Main Wire (Engine Compartment Left)

▭ : Location of Connector Joining Wire Harness and Wire Harness

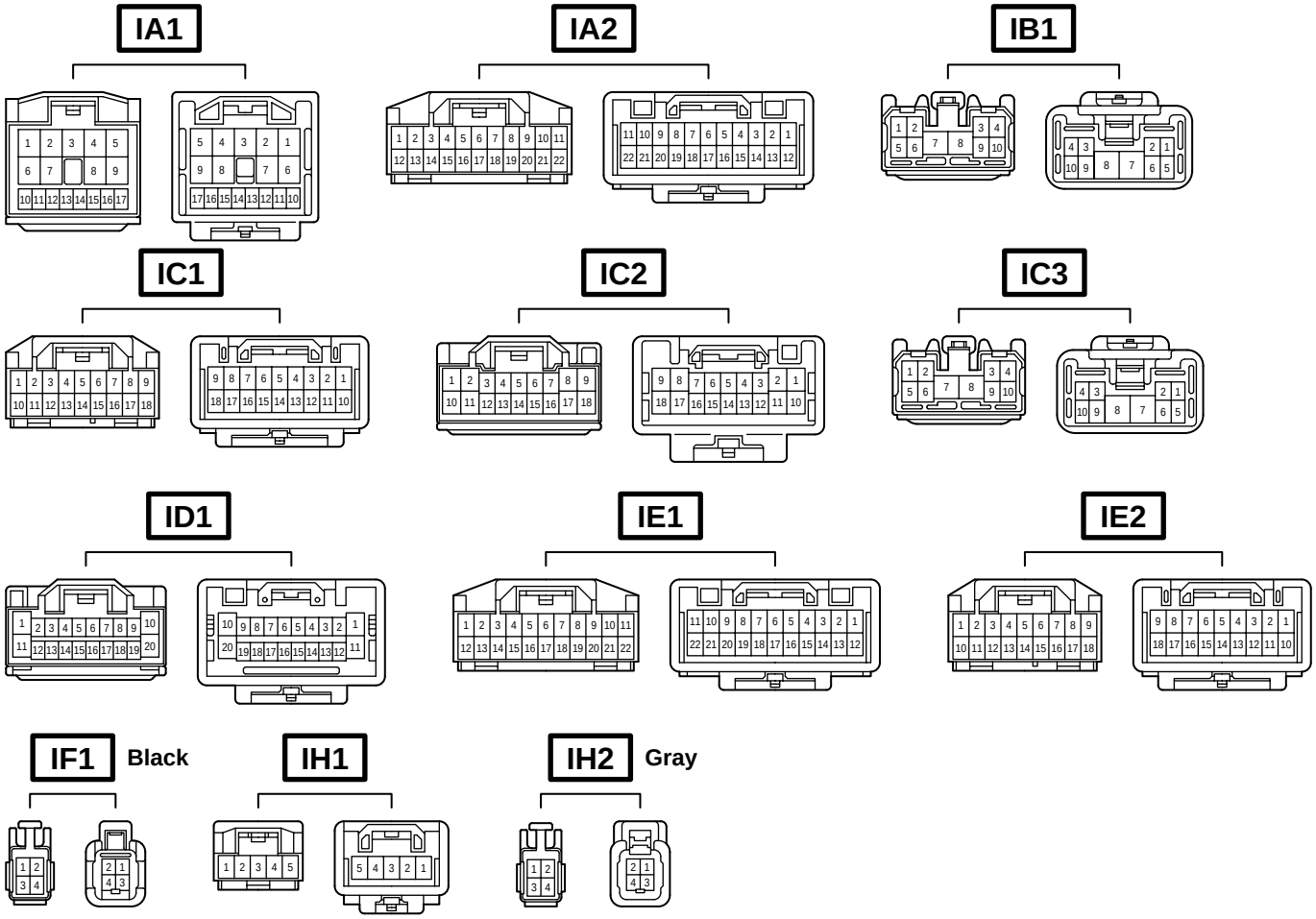
[RHD]



▽ : Location of Ground Points



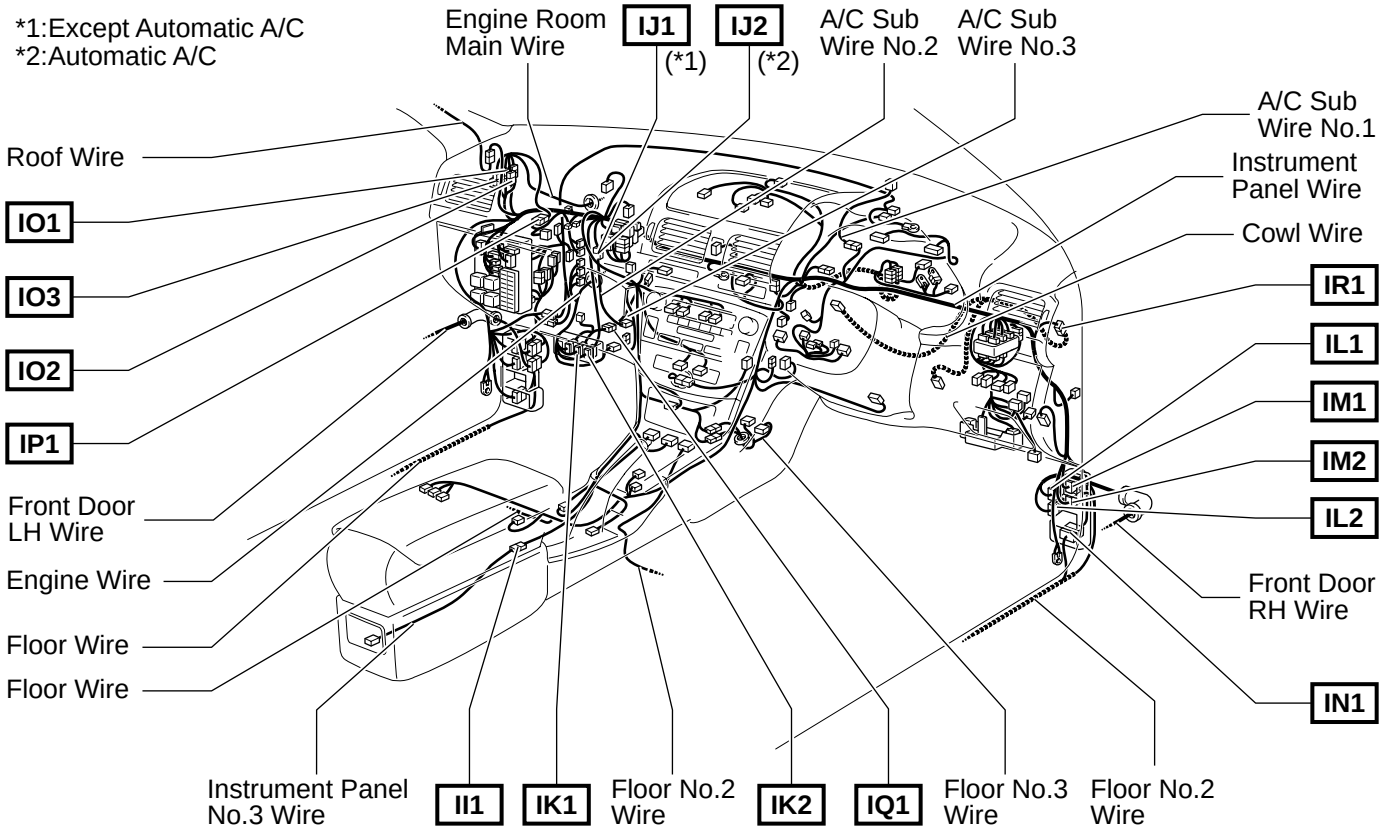
Connector Joining Wire Harness and Wire Harness



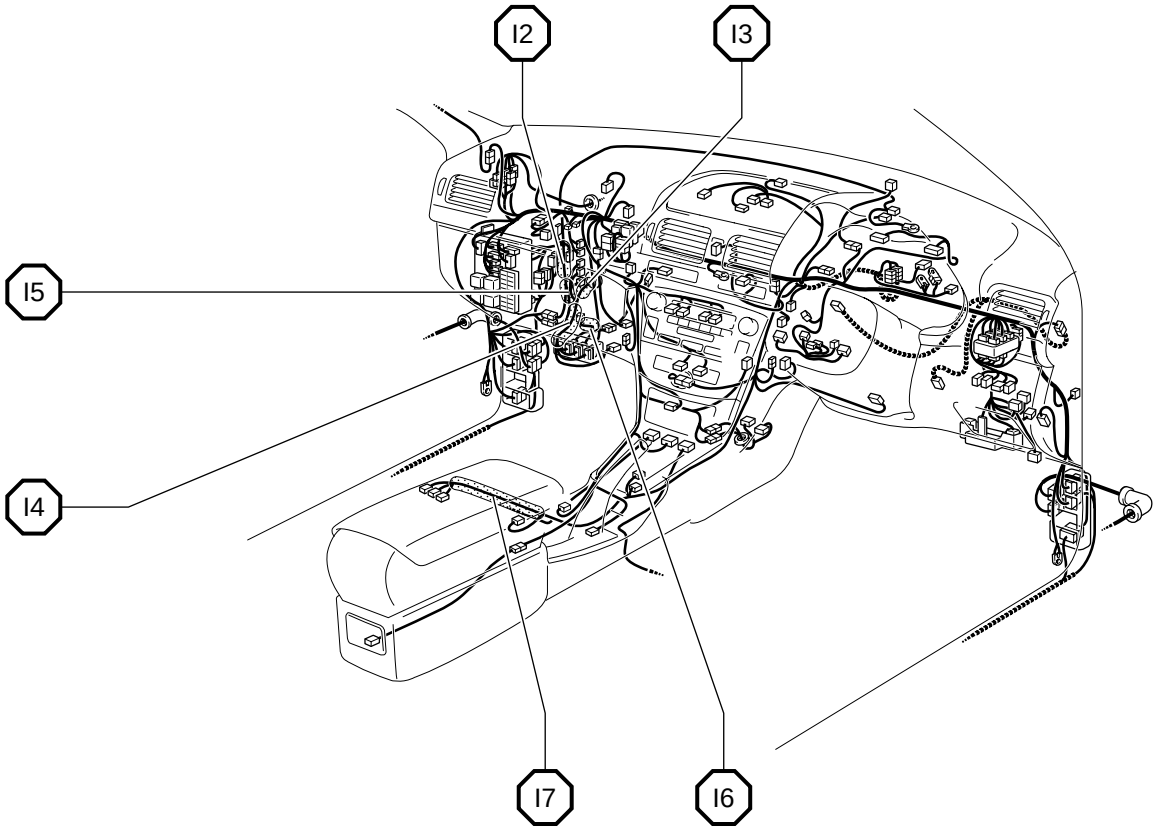
Code	Joining Wire Harness and Wire Harness (Connector Location)
IA1	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
IA2	
IB1	Engine Room Main Wire and Floor Wire (Near the Driver Side J/B)
IC1	Instrument Panel Wire and Floor Wire (Left Kick Panel)
IC2	
IC3	
ID1	Instrument Panel Wire and Roof Wire (Left Side of the Instrument Panel)
IE1	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)
IE2	
IF1	Instrument Panel Wire and A/C Sub Wire No.1 (Right Side of the Combination Meter)
IH1	Floor No.3 Wire and Instrument Panel Wire (Instrument Panel Brace RH)
IH2	

▭ : Location of Connector Joining Wire Harness and Wire Harness

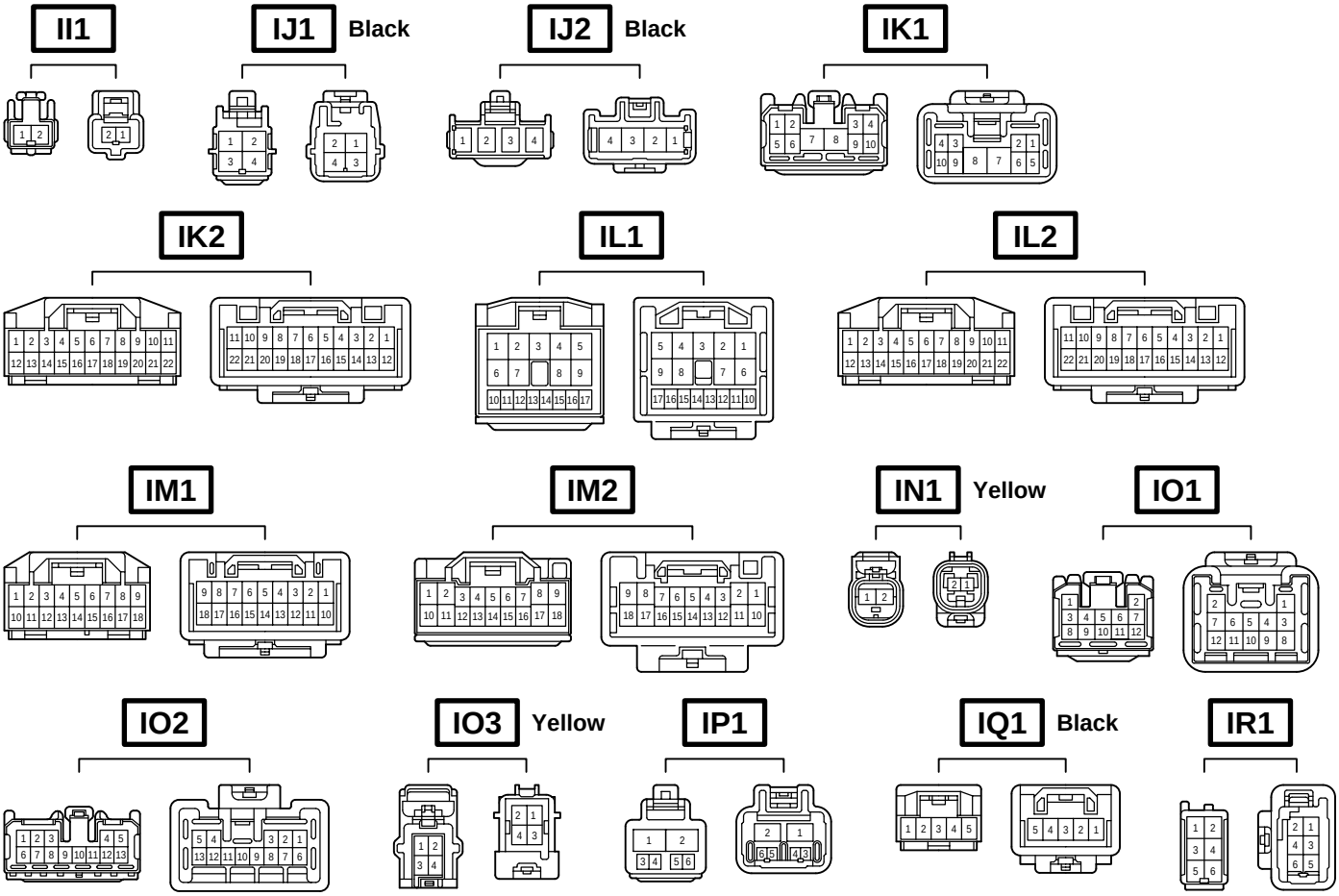
[RHD]



⬡ : Location of Splice Points



Connector Joining Wire Harness and Wire Harness

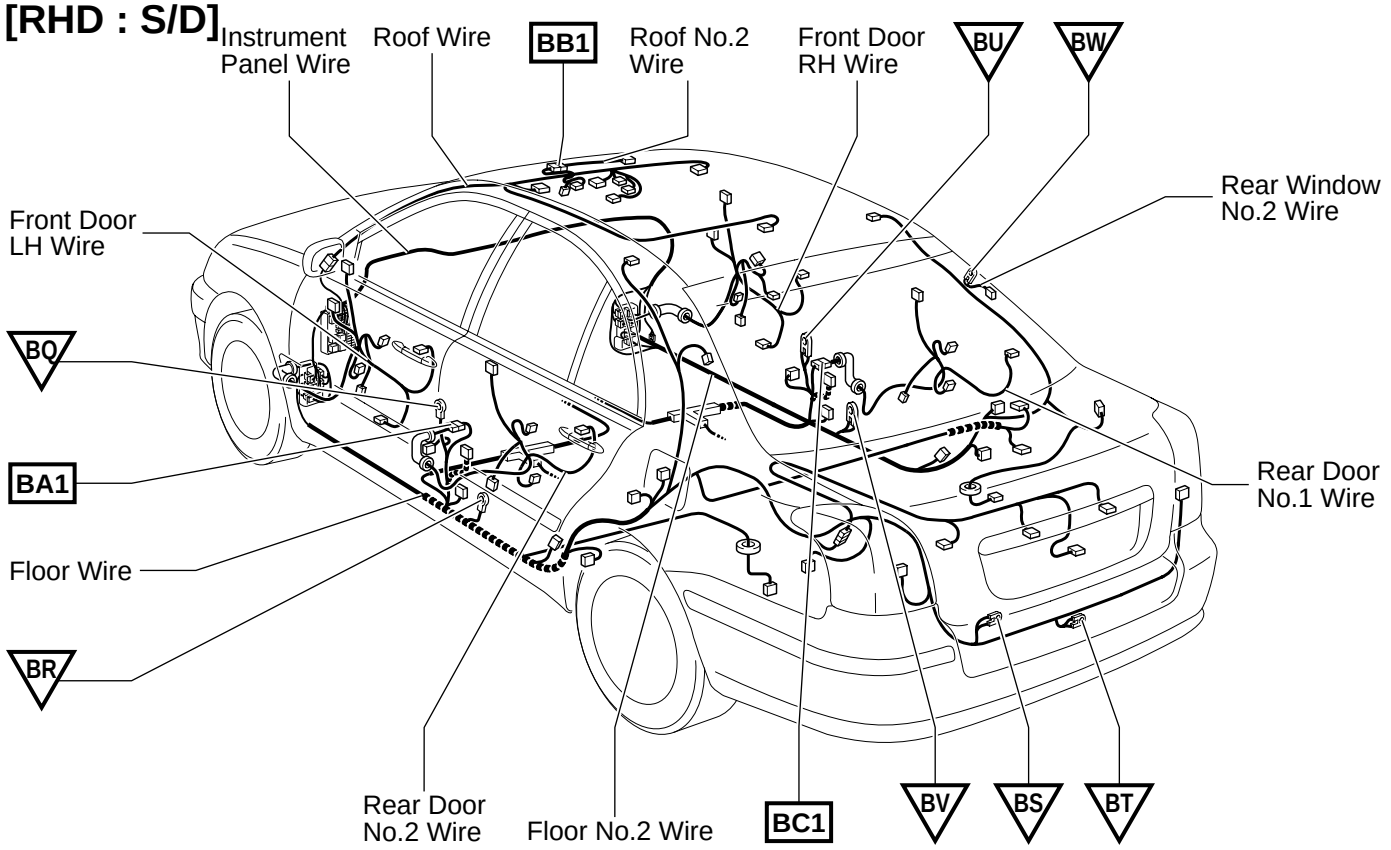


Code	Joining Wire Harness and Wire Harness (Connector Location)
II1	Instrument Panel Wire and Instrument Panel No.3 Wire (Under the Console Box)
IJ1	Instrument Panel Wire and A/C Sub Wire No.2 (Right Side of the A/C Unit)
IJ2	
IK1	Engine Wire and Instrument Panel Wire (Behind the Glove Box)
IK2	
IL1	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
IL2	
IM1	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)
IM2	
IN1	Floor No.2 Wire and Instrument Panel Wire (Right Kick Panel)
IO1	Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel)
IO2	
IO3	
IP1	Engine Room Main Wire and Instrument Panel Wire (Instrument Panel Reinforcement LH)
IQ1	Instrument Panel Wire and A/C Sub Wire No.3 (Behind the Glove Box)
IR1	Instrument Panel Wire and Cowl Wire (Right Side of the Instrument Panel)

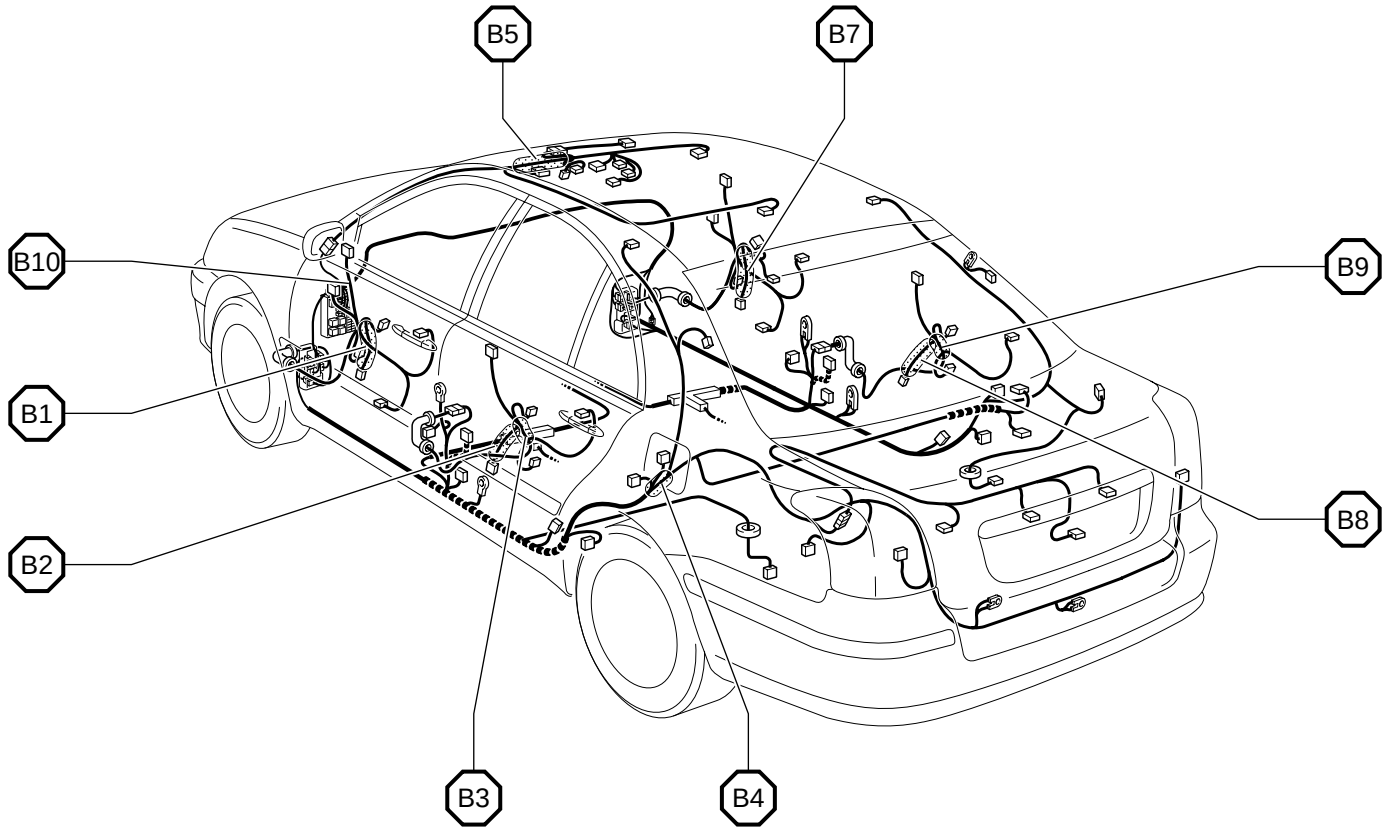
▭ : Location of Connector Joining Wire Harness and Wire Harness

▽ : Location of Ground Points

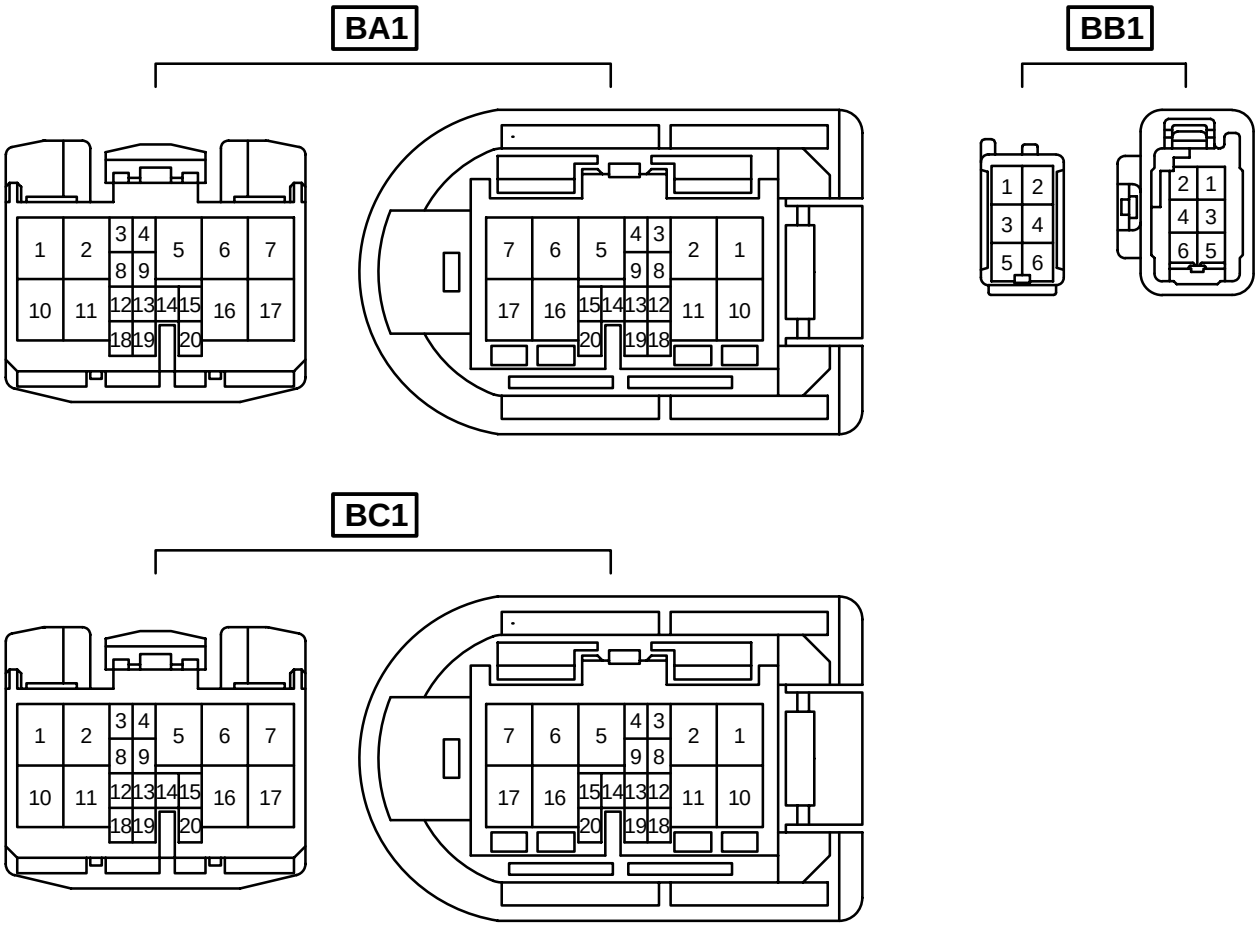
[RHD : S/D]



⬡ : Location of Splice Points



Connector Joining Wire Harness and Wire Harness

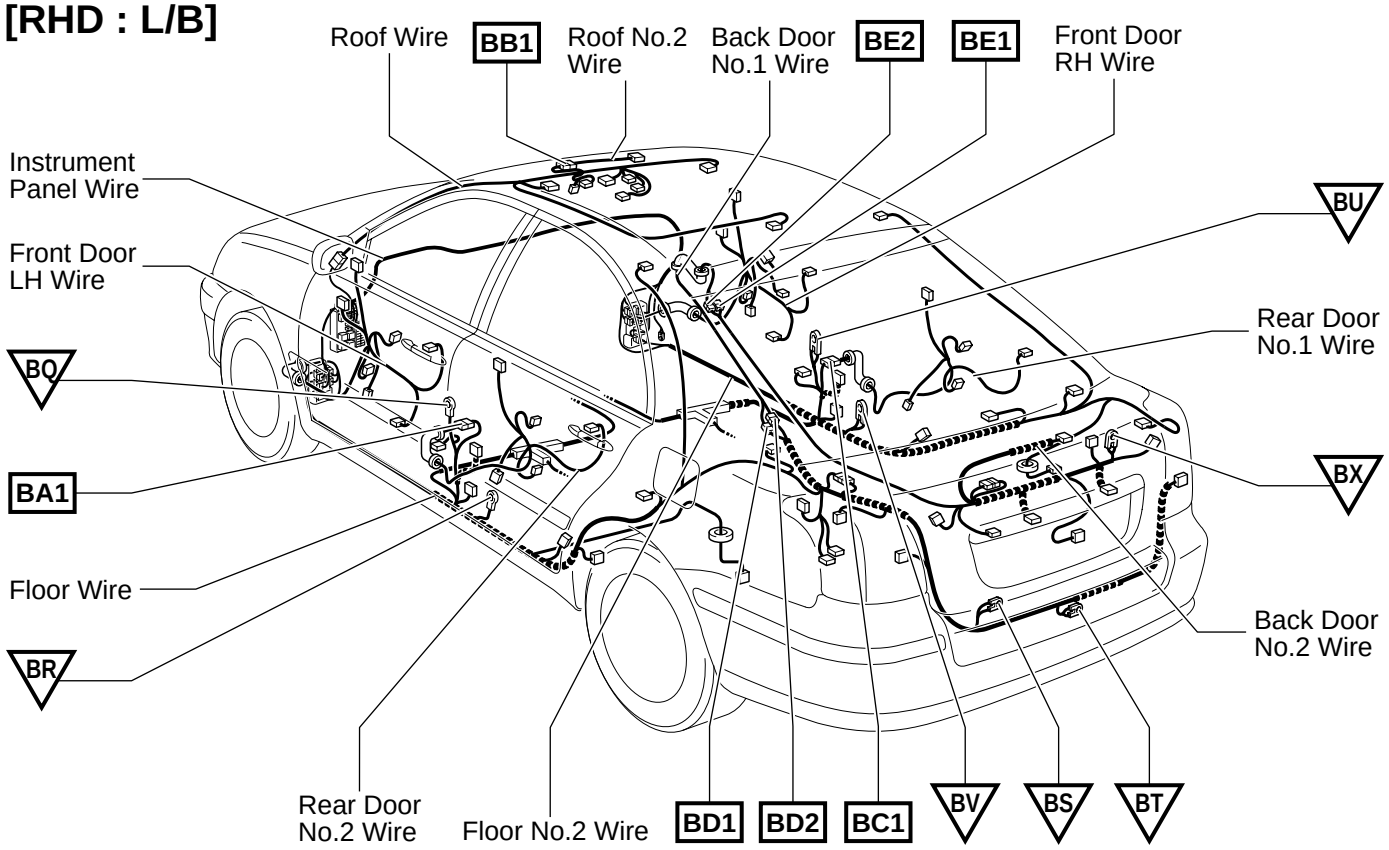


Code	Joining Wire Harness and Wire Harness (Connector Location)
BA1	Rear Door No.2 Wire and Floor Wire (Under the Left Center Pillar)
BB1	Roof Wire and Roof No.2 Wire (Near the Personal Light)
BC1	Rear Door No.1 Wire and Floor No.2 Wire (Under the Right Center Pillar)

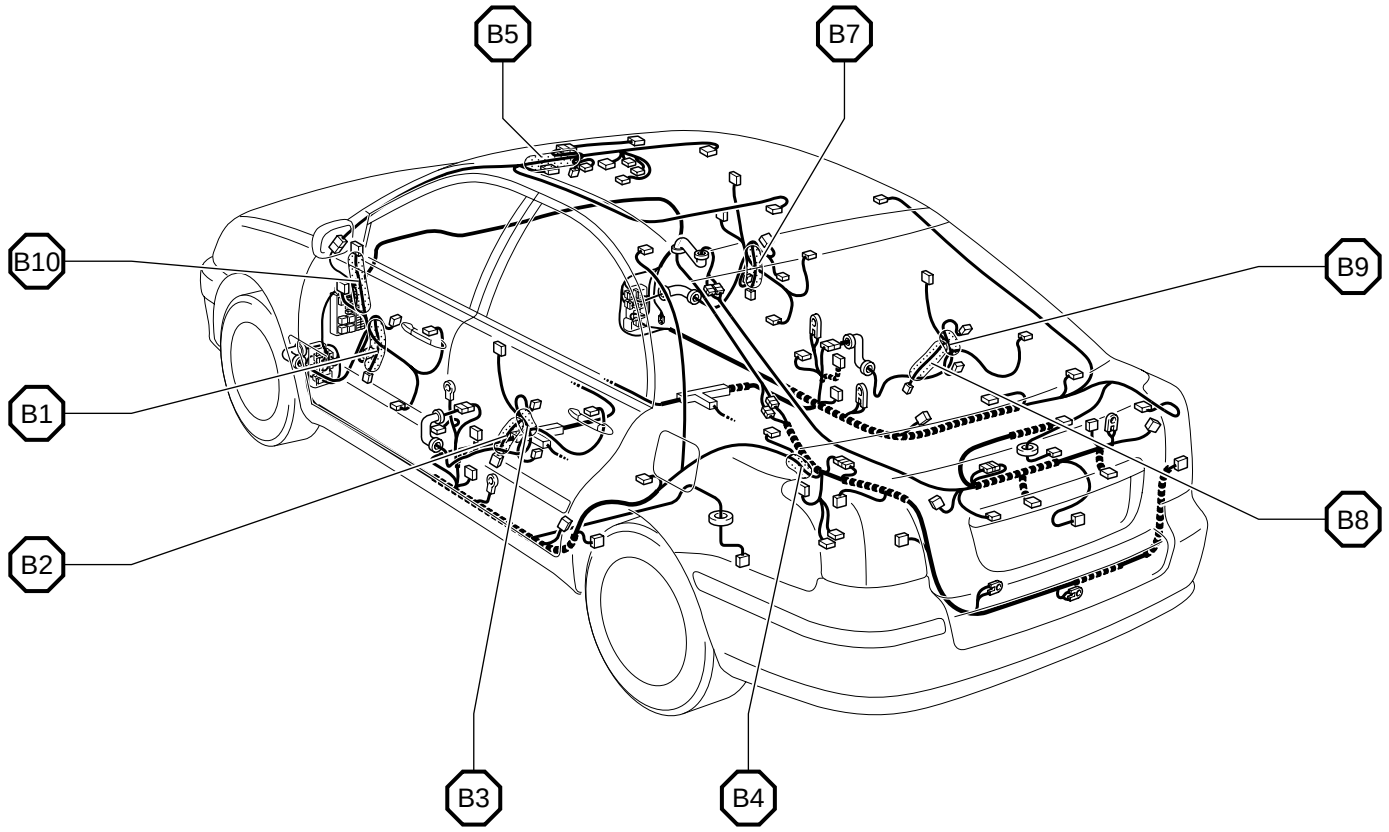
▭ : Location of Connector Joining Wire Harness and Wire Harness

▽ : Location of Ground Points

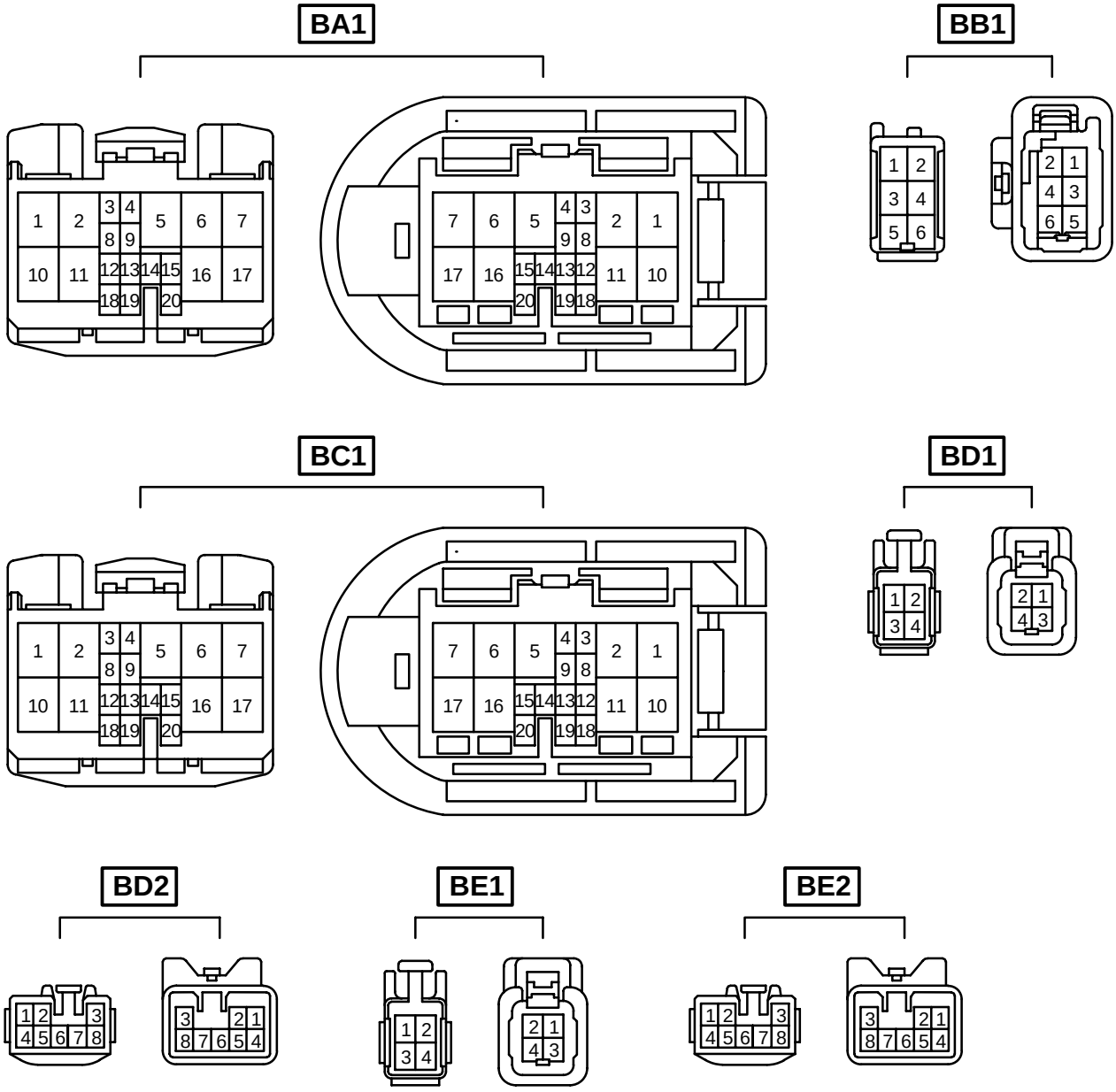
[RHD : L/B]



○ : Location of Splice Points



Connector Joining Wire Harness and Wire Harness

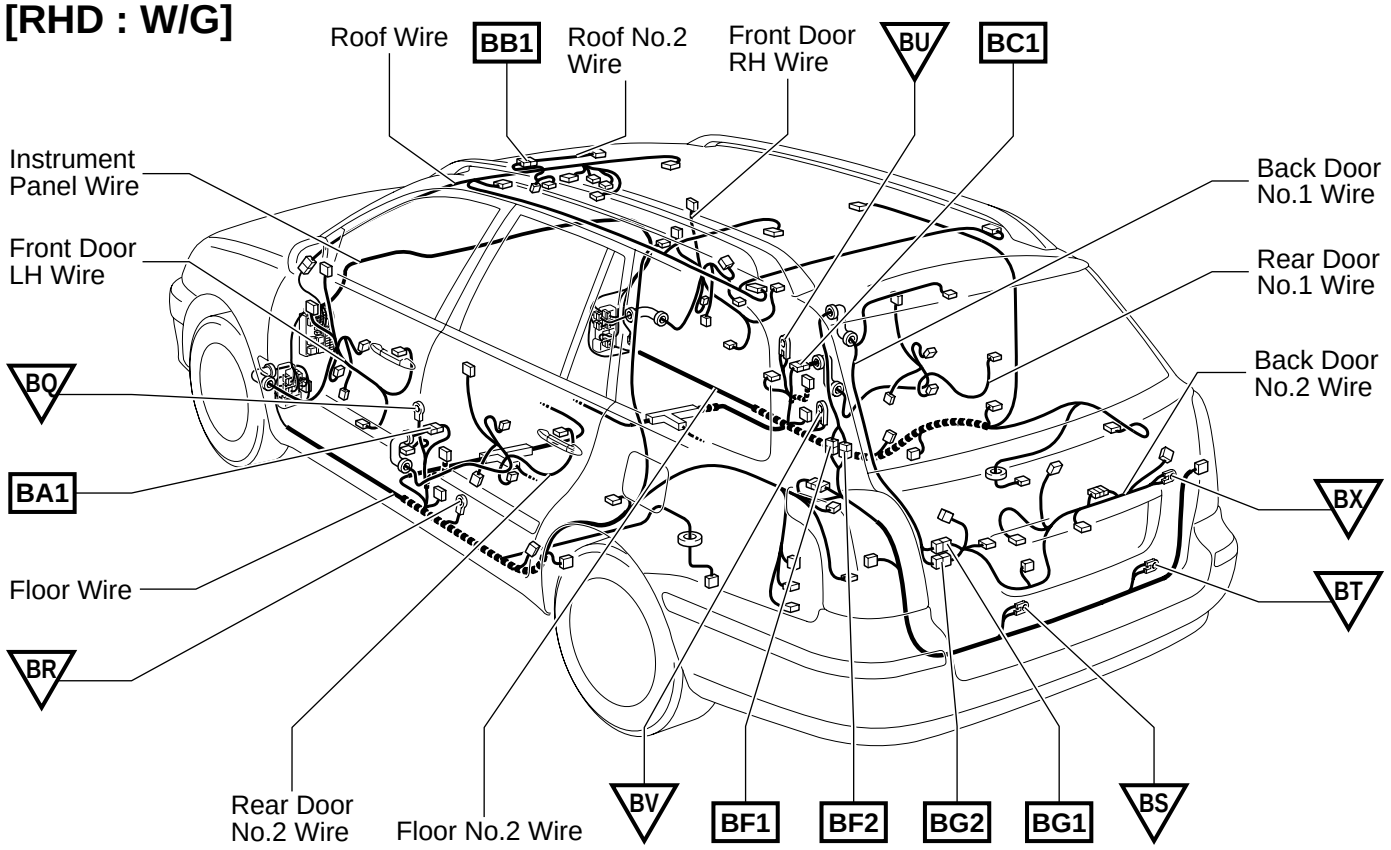


Code	Joining Wire Harness and Wire Harness (Connector Location)
BA1	Rear Door No.2 Wire and Floor Wire (Under the Left Center Pillar)
BB1	Roof Wire and Roof No.2 Wire (Near the Personal Light)
BC1	Rear Door No.1 Wire and Floor No.2 Wire (Under the Right Center Pillar)
BD1	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
BD2	
BE1	Back Door No.2 Wire and Back Door No.1 Wire (Back Door Upper Left)
BE2	

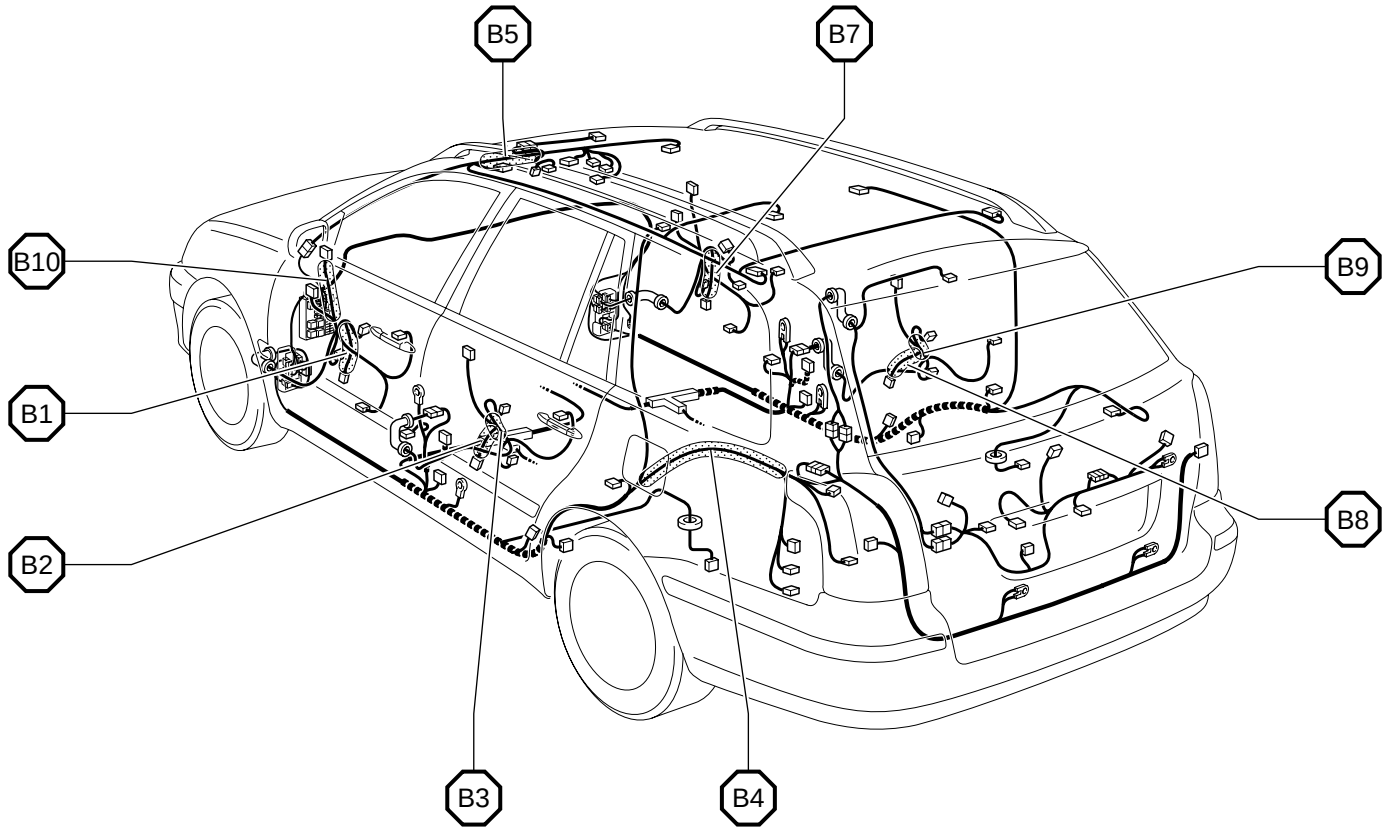
▭ : Location of Connector Joining Wire Harness and Wire Harness

▽ : Location of Ground Points

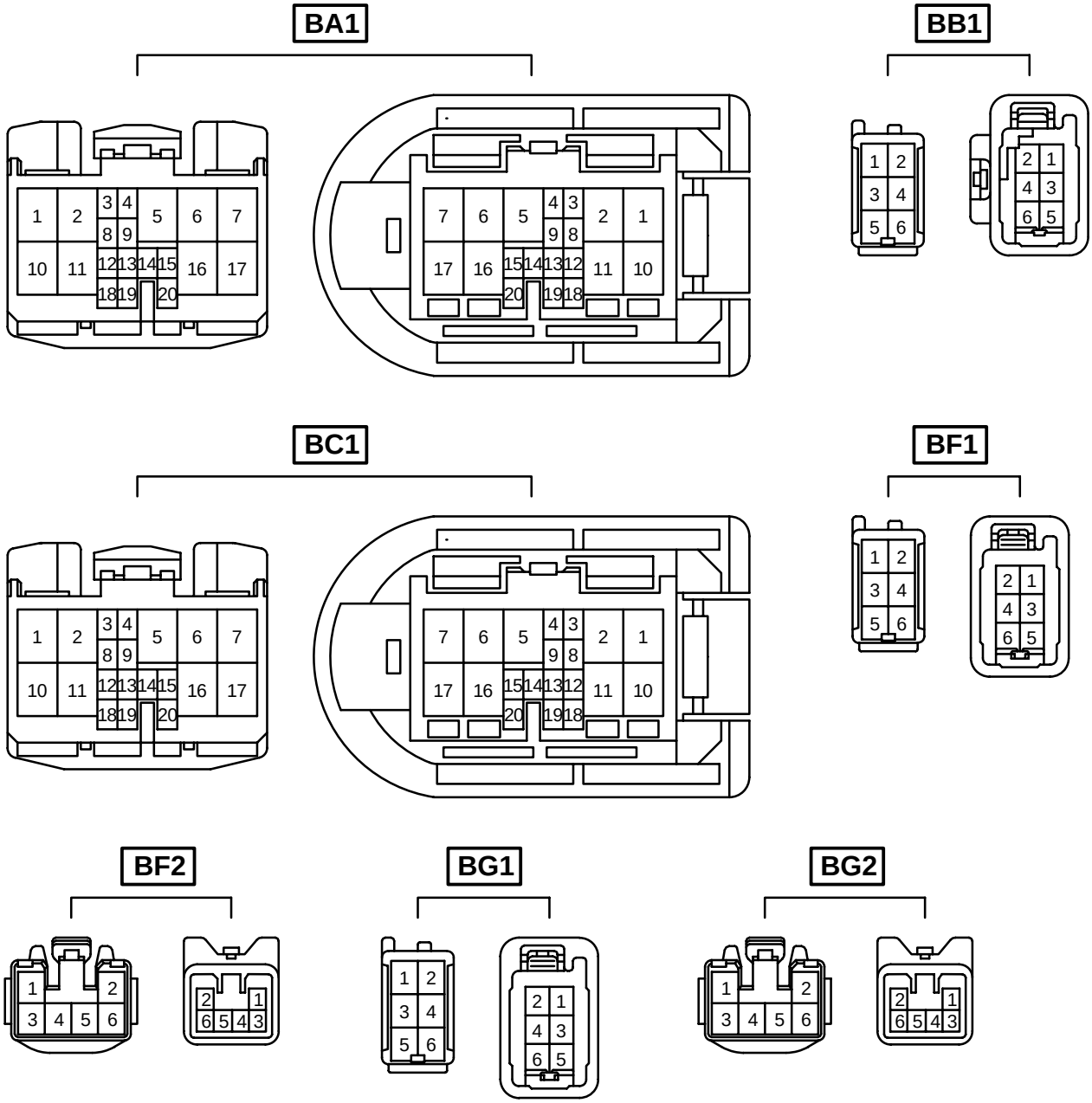
[RHD : W/G]



○ : Location of Splice Points

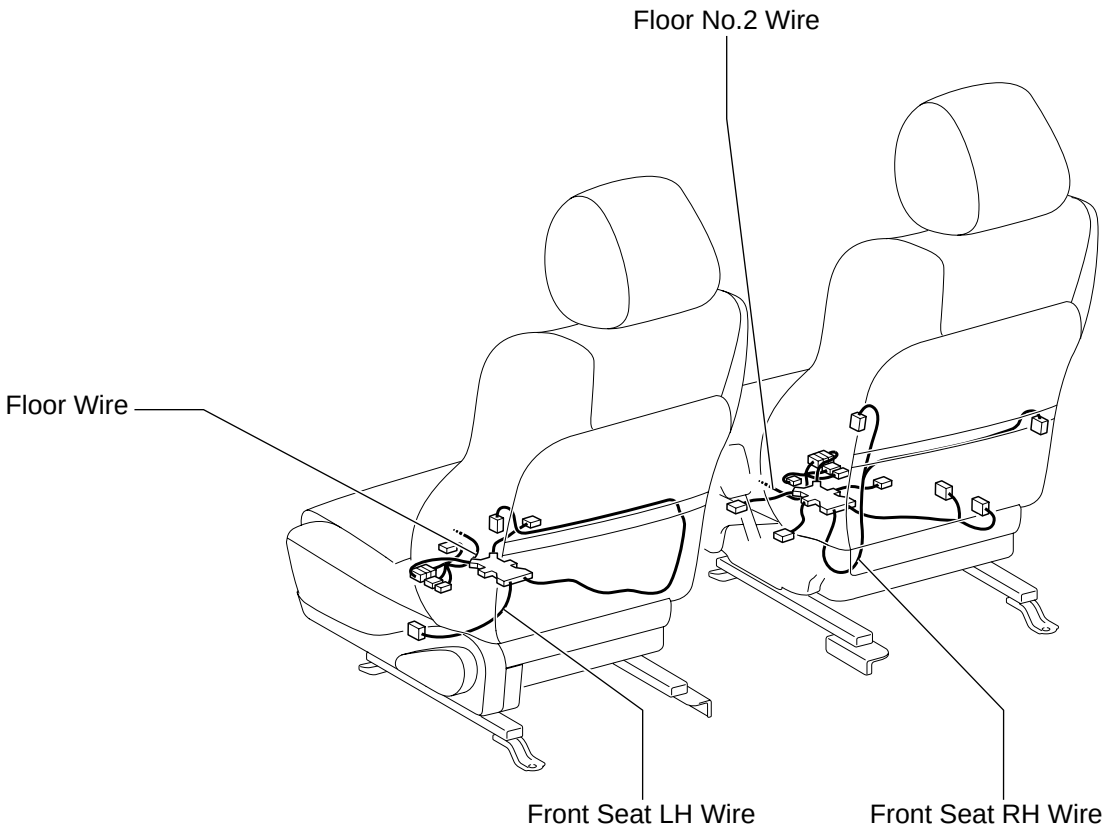


Connector Joining Wire Harness and Wire Harness

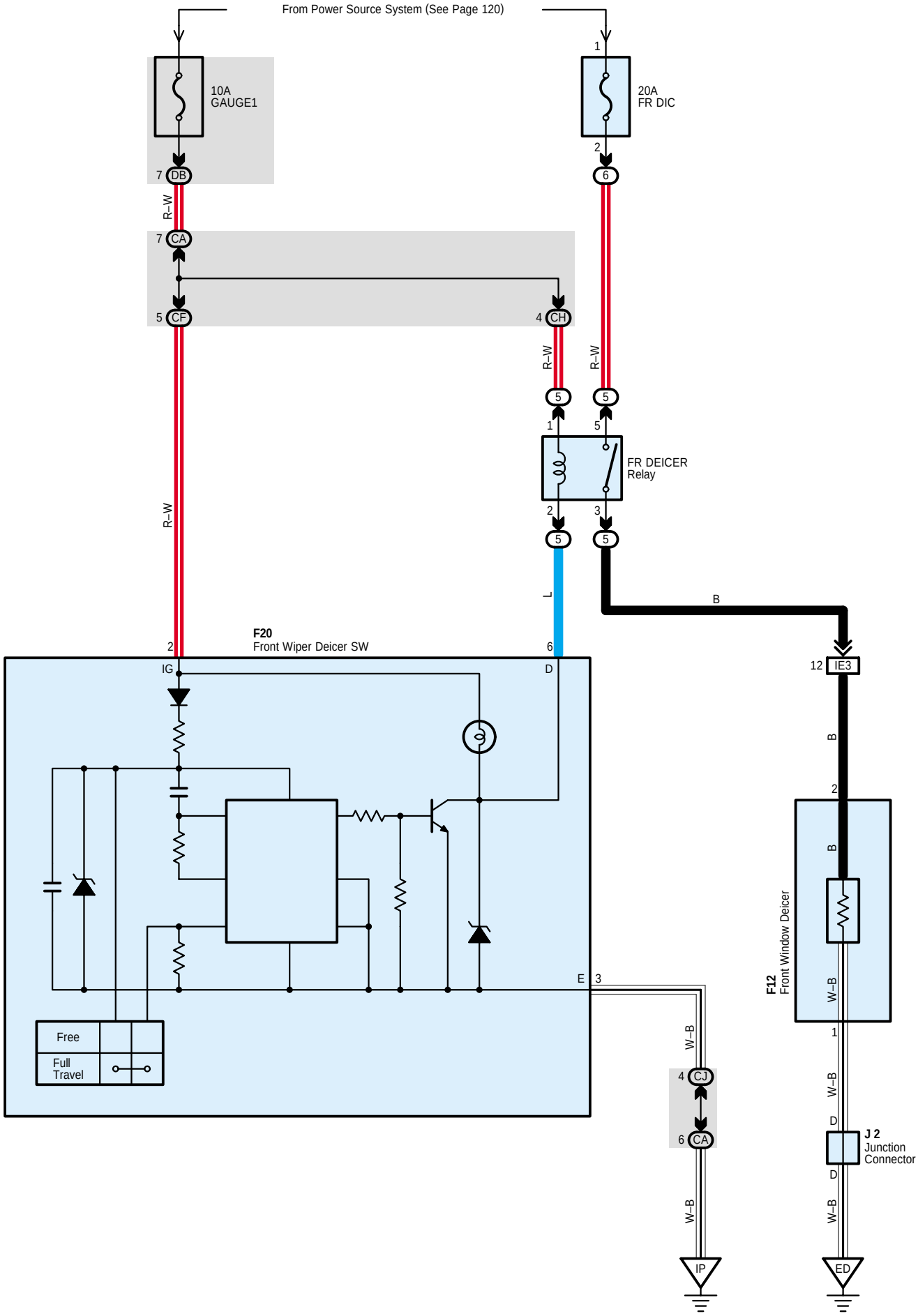


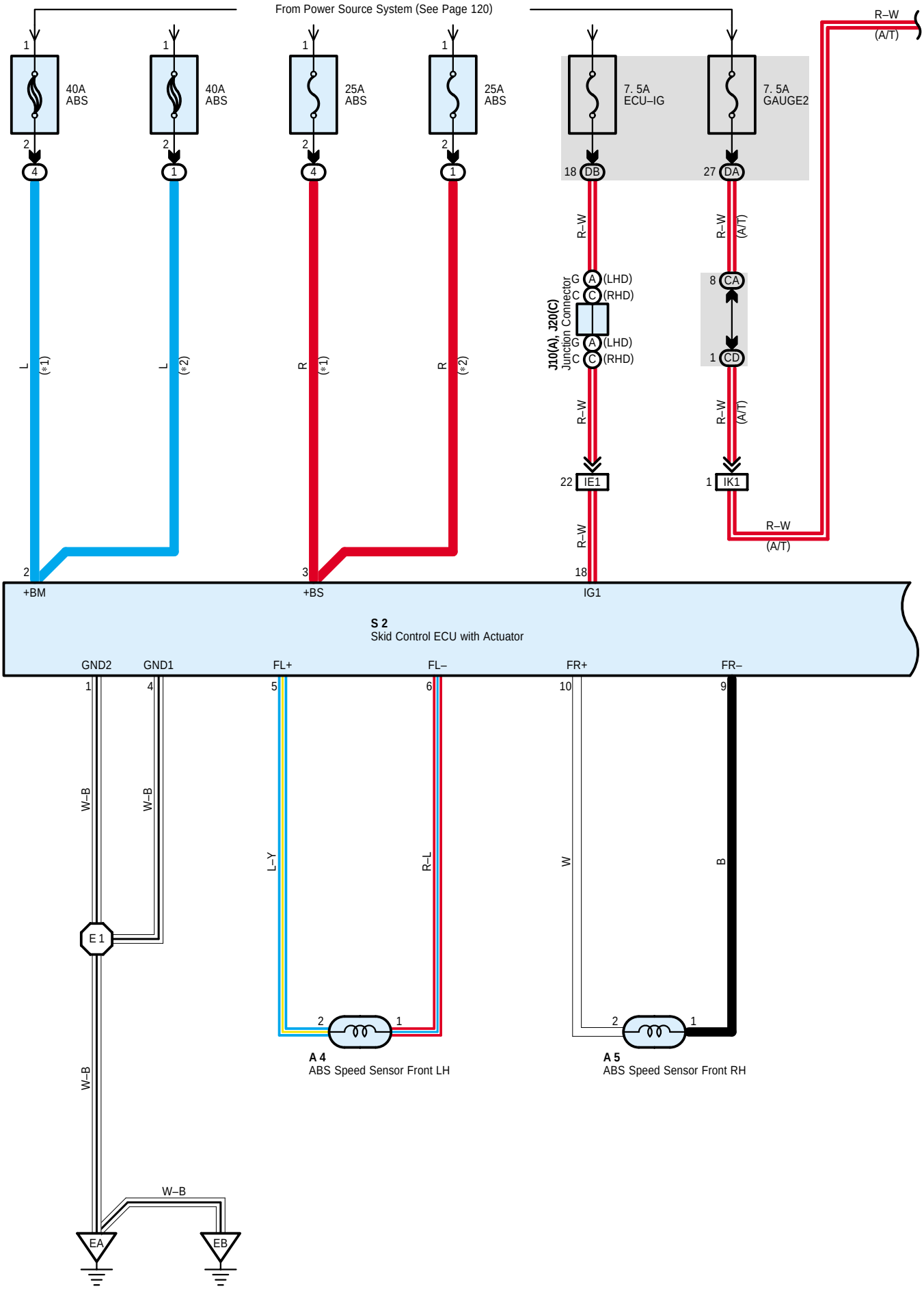
Code	Joining Wire Harness and Wire Harness (Connector Location)
BA1	Rear Door No.2 Wire and Floor Wire (Under the Left Center Pillar)
BB1	Roof Wire and Roof No.2 Wire (Near the Personal Light)
BC1	Rear Door No.1 Wire and Floor No.2 Wire (Under the Right Center Pillar)
BF1	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
BF2	
BG1	Back Door No.1 Wire and Back Door No.2 Wire (Back Door Left)
BG2	

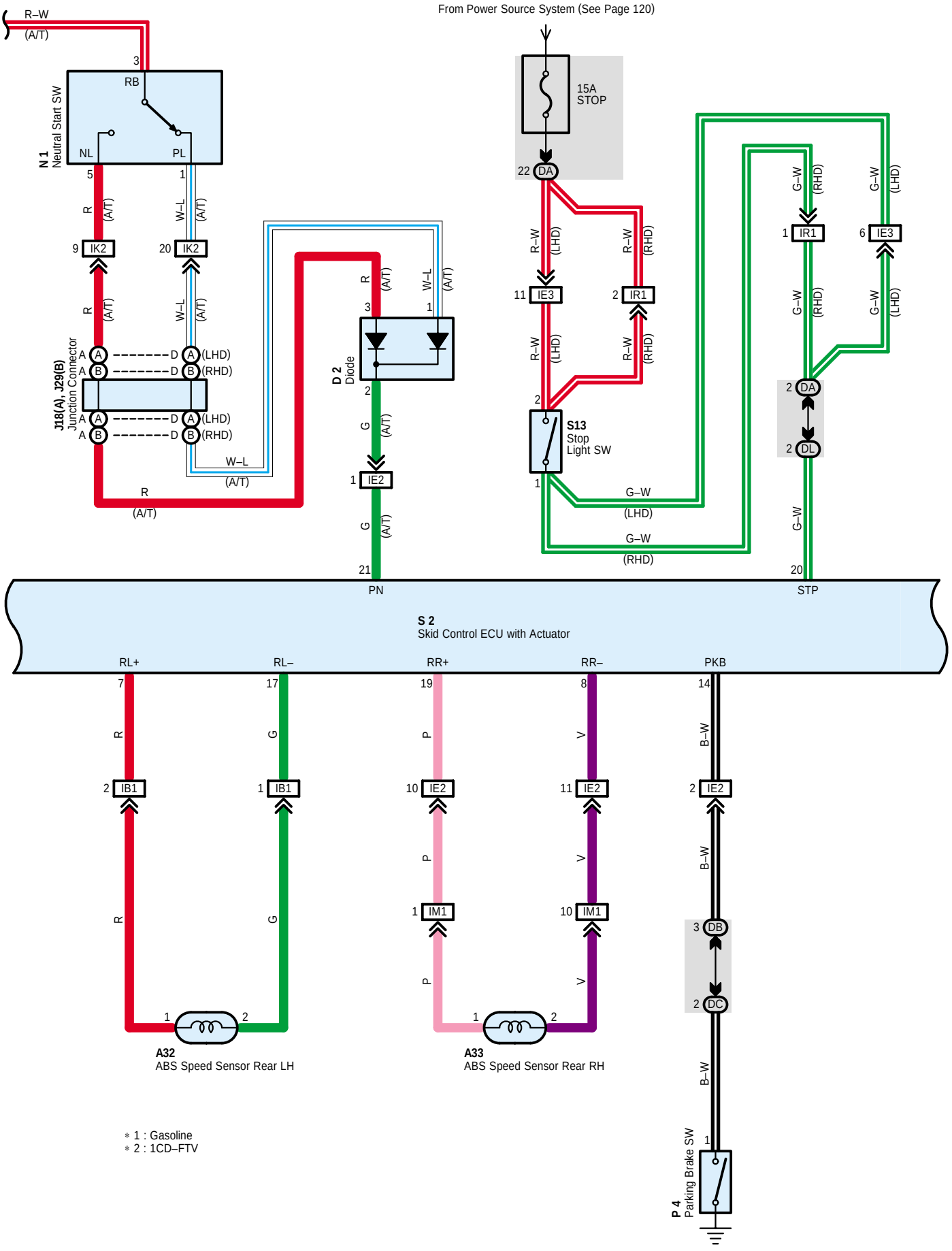
[RHD]

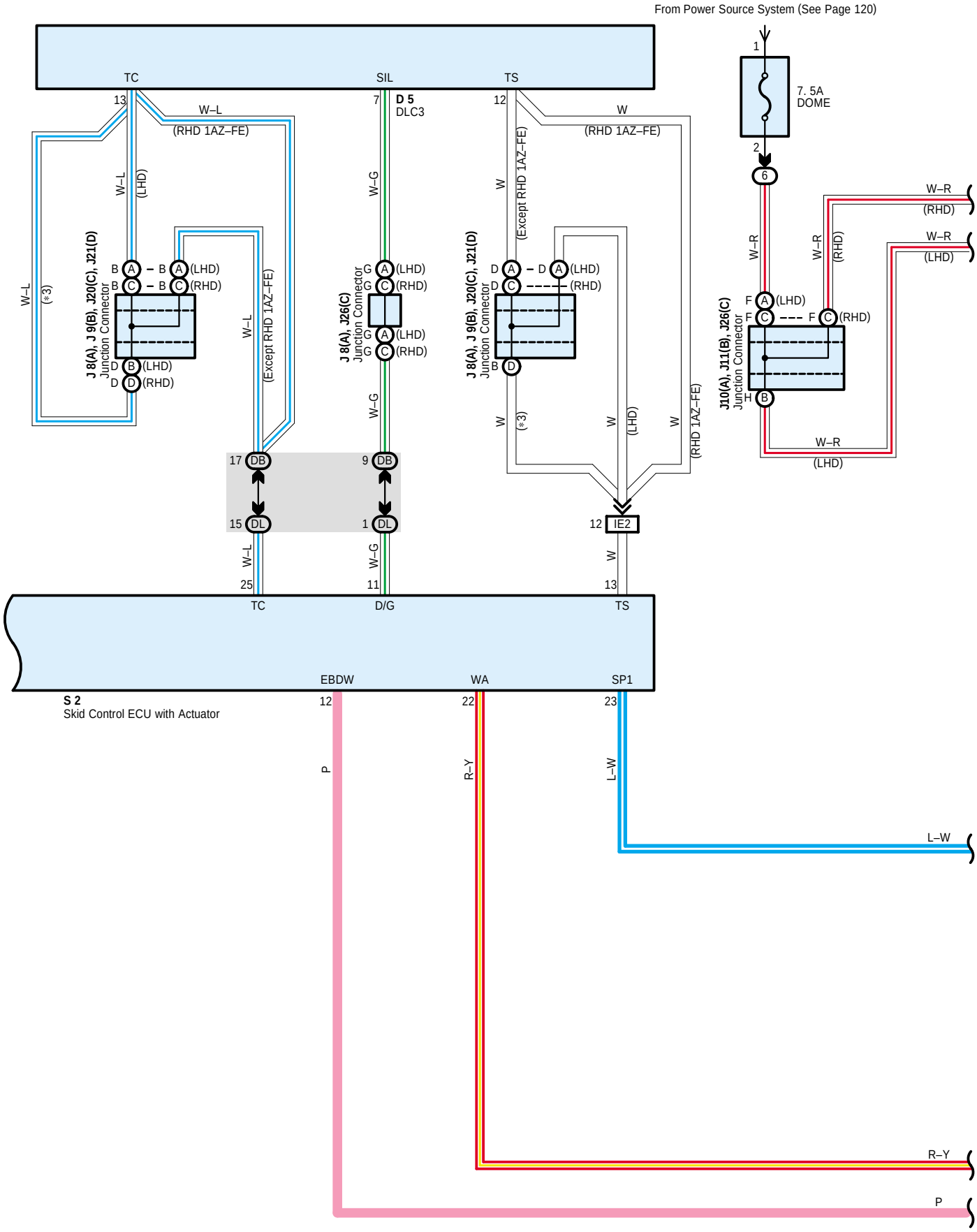

Floor No.2 Wire
Floor Wire
Front Seat LH Wire
Front Seat RH Wire

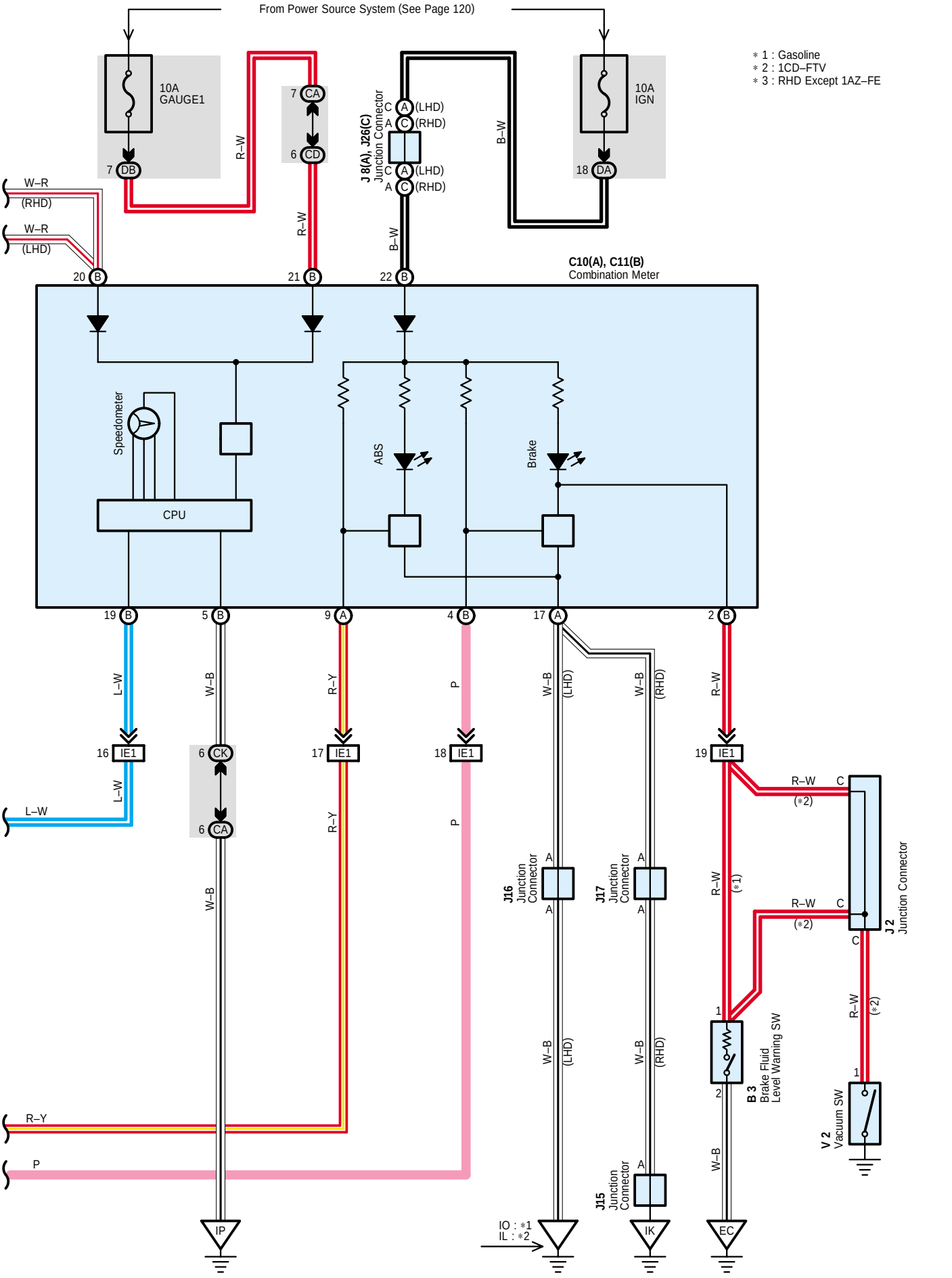
Front Window Deicer

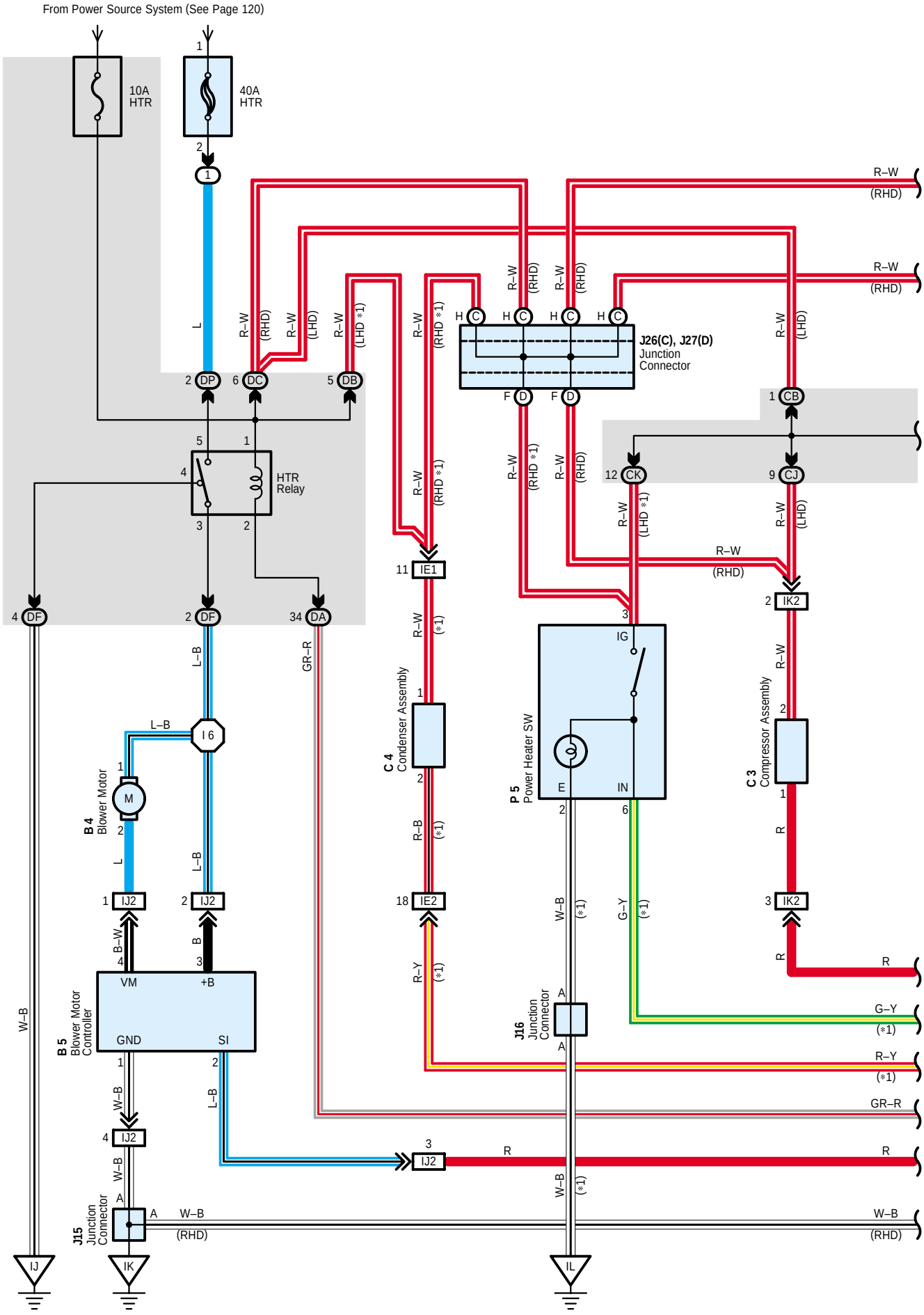



From Power Source System (See Page 120)
40A ABS
40A ABS
25A ABS
25A ABS
7. 5A ECU–IG
7. 5A GAUGE2
R–W (A/T)
J10(A), J20(C) Junction Connector
(LHD)
(RHD)
+BM
+BS
IG1
S 2
Skid Control ECU with Actuator
GND2
GND1
FL+
FL–
FR+
FR–
E 1
A 4
ABS Speed Sensor Front LH
A 5
ABS Speed Sensor Front RH
EA
EB
W–B
L–Y
R–L

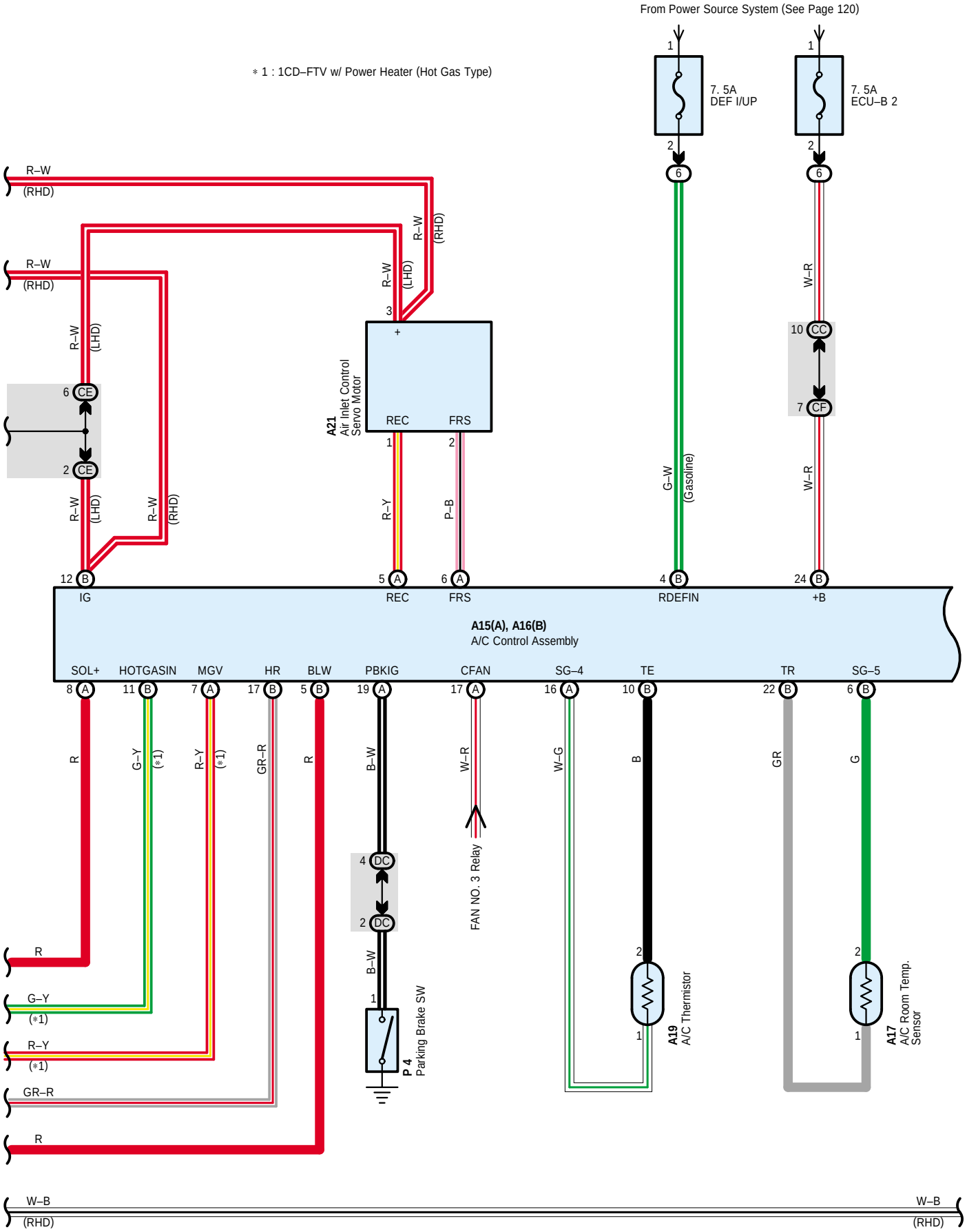

From Power Source System (See Page 120)
R–W
(A/T)
N 1
Neutral Start SW
3
RB
NL
PL
5
1
R
(A/T)
W–L
(A/T)
9 IK2
20 IK2
J18(A), J29(B)
Junction Connector
A
B
D
(LHD)
(RHD)
W–L
(A/T)
R
(A/T)
D 2
Diode
3
1
2
G
(A/T)
1 IE2
21
PN
15A
STOP
22 DA
R–W
(LHD)
R–W
(RHD)
11 IE3
2 IR1
2
S13
Stop
Light SW
1
G–W
(LHD)
G–W
(RHD)
G–W
(RHD)
G–W
(LHD)
1 IR1
6 IE3
2 DA
2 DL
20
STP
S 2
Skid Control ECU with Actuator
RL+
RL–
RR+
RR–
PKB
7
17
19
8
14
R
G
P
V
B–W
2 IB1
1 IB1
10 IE2
11 IE2
2 IE2
1 IM1
10 IM1
3 DB
2 DC
1
2
A32
ABS Speed Sensor Rear LH
A33
ABS Speed Sensor Rear RH
P 4
Parking Brake SW
* 1 : Gasoline
* 2 : 1CD–FTV

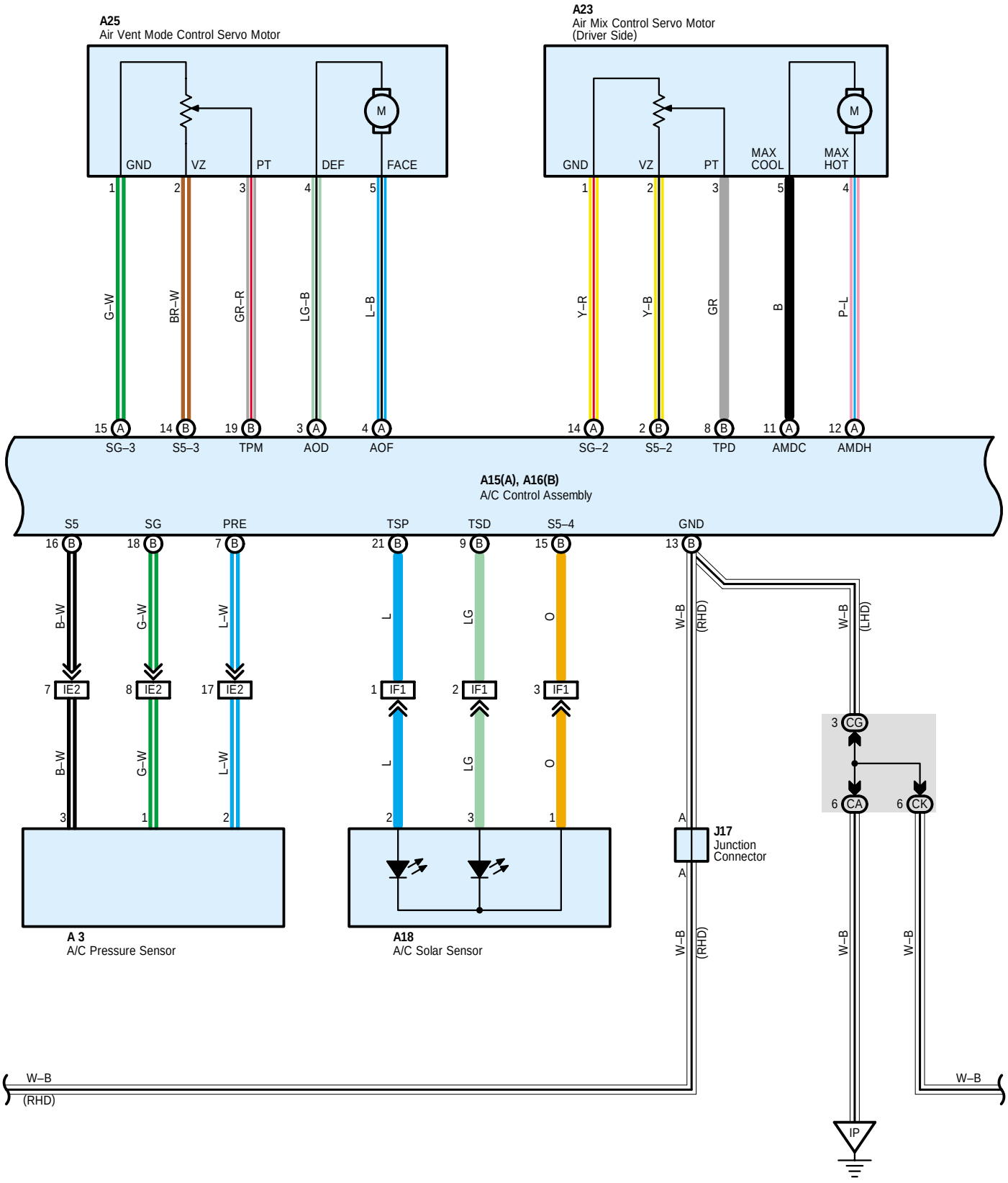

From Power Source System (See Page 120)
TC
SIL
TS
13
7
12
W–L
(RHD 1AZ–FE)
D 5
DLC3
W
(RHD 1AZ–FE)
1
7. 5A
DOME
2
6
W–L
(LHD)
W–G
W
(Except RHD 1AZ–FE)
W–R
(RHD)
W–R
(LHD)
W–L
(*3)
J 8(A), J 9(B), J20(C), J21(D)
Junction Connector
B A – B A (LHD)
B C – B C (RHD)
D B (LHD)
D D (RHD)
J 8(A), J26(C)
Junction Connector
G A (LHD)
G C (RHD)
G A (LHD)
G C (RHD)
J 8(A), J 9(B), J20(C), J21(D)
Junction Connector
D A – D A (LHD)
D C ----- (RHD)
B D
J10(A), J11(B), J26(C)
Junction Connector
F A (LHD)
F C --- F C (RHD)
H B
W–L
(Except RHD 1AZ–FE)
W–G
W
(*3)
W
(LHD)
W
(RHD 1AZ–FE)
W–R
(LHD)
17 DB
9 DB
15 DL
1 DL
12 IE2
W–L
W–G
W
25
11
13
TC
D/G
TS
EBDW
WA
SP1
S 2
Skid Control ECU with Actuator
12
22
23
P
R–Y
L–W
L–W
R–Y
P


From Power Source System (See Page 120)
∗ 1 : Gasoline
∗ 2 : 1CD–FTV
∗ 3 : RHD Except 1AZ–FE
10A GAUGE1
10A IGN
J 8(A), J26(C) Junction Connector
C10(A), C11(B) Combination Meter
Speedometer
CPU
ABS
Brake
W–R (RHD)
W–R (LHD)
R–W
B–W
L–W
W–B
R–Y
P
IE1
J16 Junction Connector
J17 Junction Connector
J15 Junction Connector
J2 Junction Connector
B 3 Brake Fluid Level Warning SW
V 2 Vacuum SW
IP
IO : ∗1
IL : ∗2
IK
EC

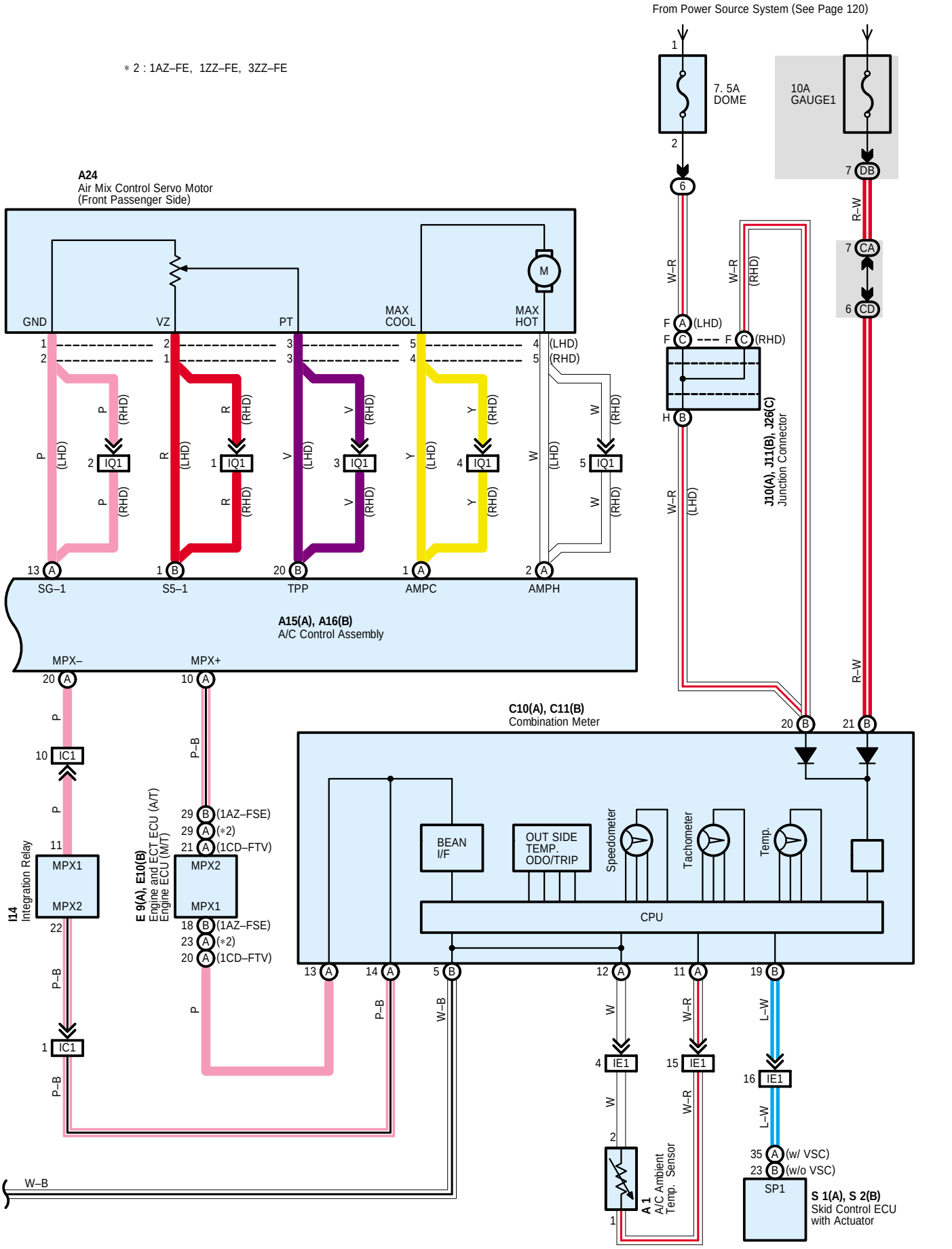

From Power Source System (See Page 120)
10A HTR
40A HTR
HTR Relay
J26(C), J27(D) Junction Connector
B 4 Blower Motor
B 5 Blower Motor Controller
C 4 Condenser Assembly
P 5 Power Heater SW
C 3 Compressor Assembly
J16 Junction Connector
J15 Junction Connector
R–W (RHD)
R–W (LHD)
R–W (RHD *1)
R–W (LHD *1)
L–B
GR–R
B–W
W–B
R–B
R–Y
G–Y
R
L
B
(*1)
(RHD)
(LHD)

Power Heater (Hot Gas Type Automatic A/C)

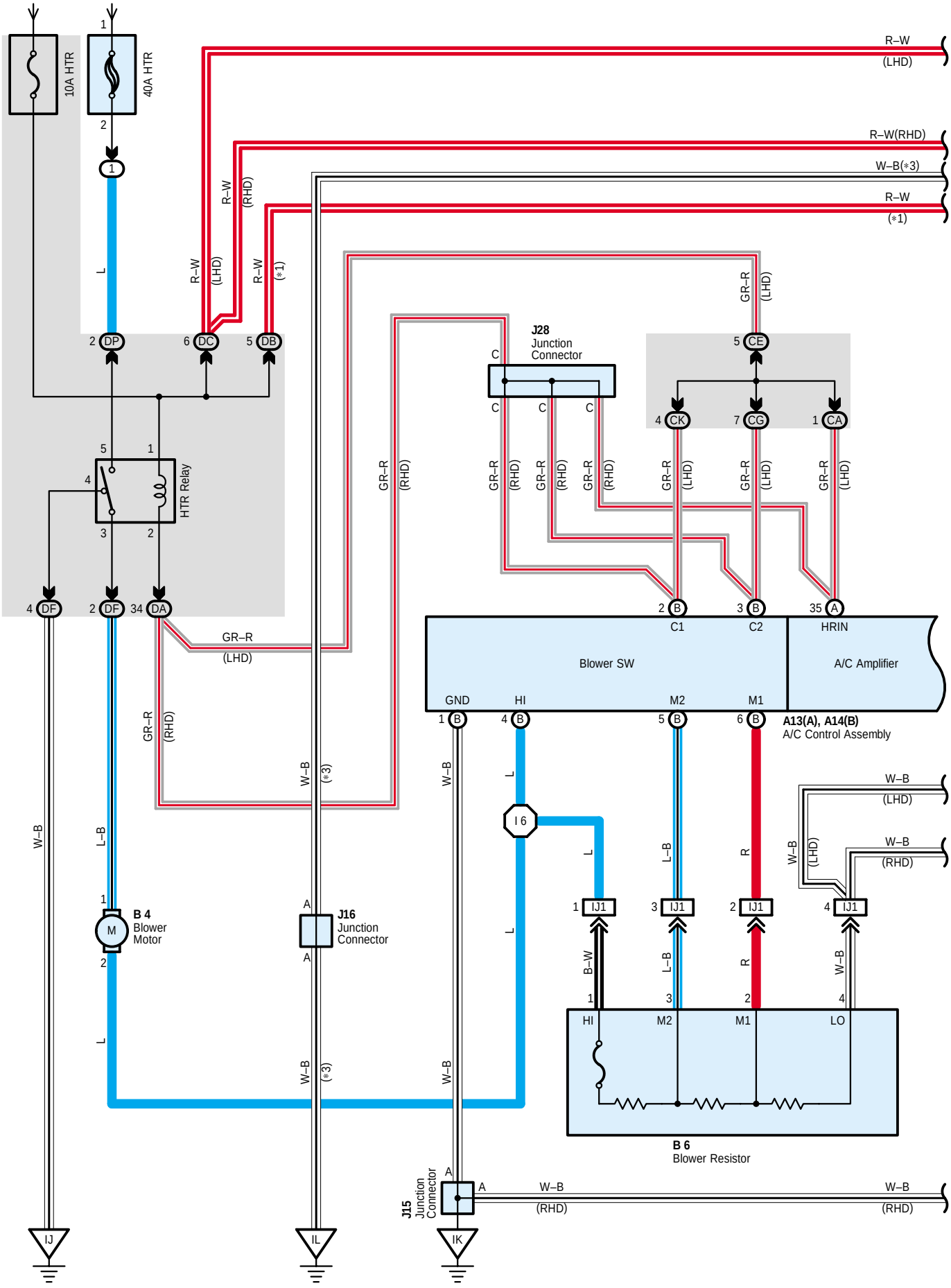



A25
Air Vent Mode Control Servo Motor
GND
VZ
PT
DEF
FACE
M
1
2
3
4
5
G–W
BR–W
GR–R
LG–B
L–B
15 A
14 B
19 B
3 A
4 A
SG–3
S5–3
TPM
AOD
AOF
A23
Air Mix Control Servo Motor
(Driver Side)
GND
VZ
PT
MAX COOL
MAX HOT
M
1
2
3
5
4
Y–R
Y–B
GR
B
P–L
14 A
2 B
8 B
11 A
12 A
SG–2
S5–2
TPD
AMDC
AMDH
A15(A), A16(B)
A/C Control Assembly
S5
SG
PRE
TSP
TSD
S5–4
GND
16 B
18 B
7 B
21 B
9 B
15 B
13 B
B–W
G–W
L–W
L
LG
O
W–B
(RHD)
W–B
(LHD)
7 IE2
8 IE2
17 IE2
1 IF1
2 IF1
3 IF1
3 CG
6 CA
6 CK
A
J17
Junction
Connector
A
A 3
A/C Pressure Sensor
A18
A/C Solar Sensor
W–B
(RHD)
W–B
W–B
W–B
IP

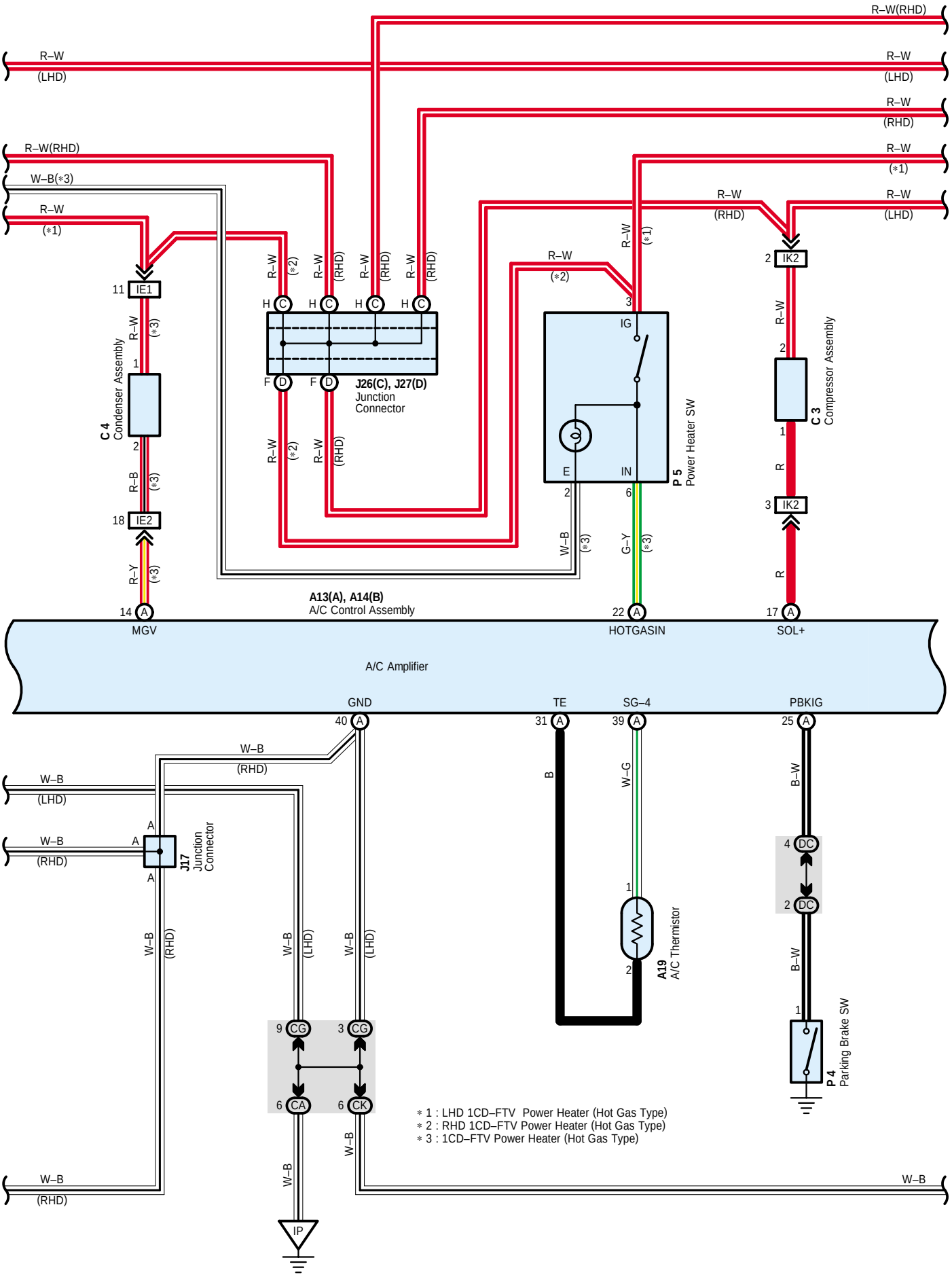
Power Heater (Hot Gas Type Automatic A/C)

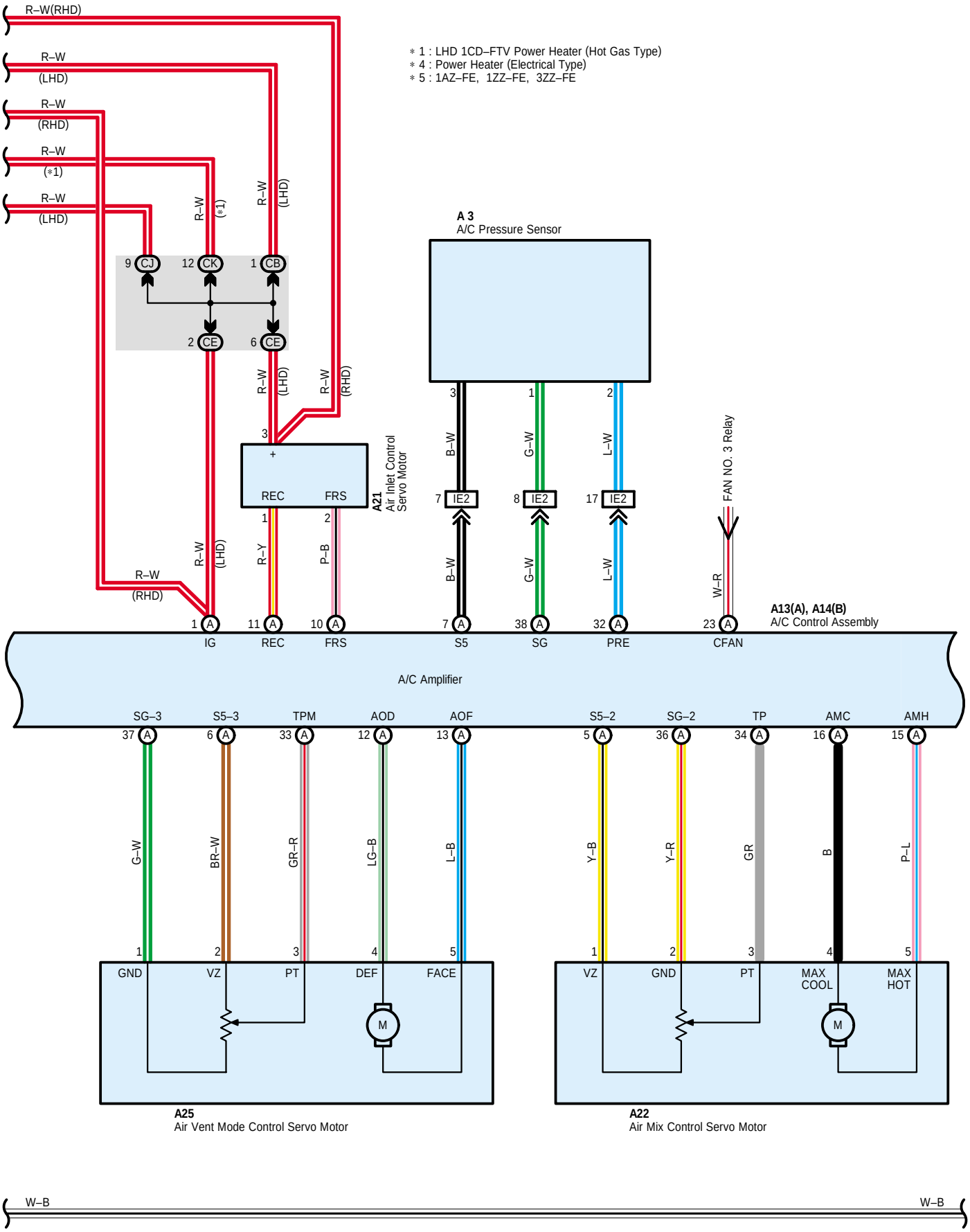


From Power Source System (See Page 120)

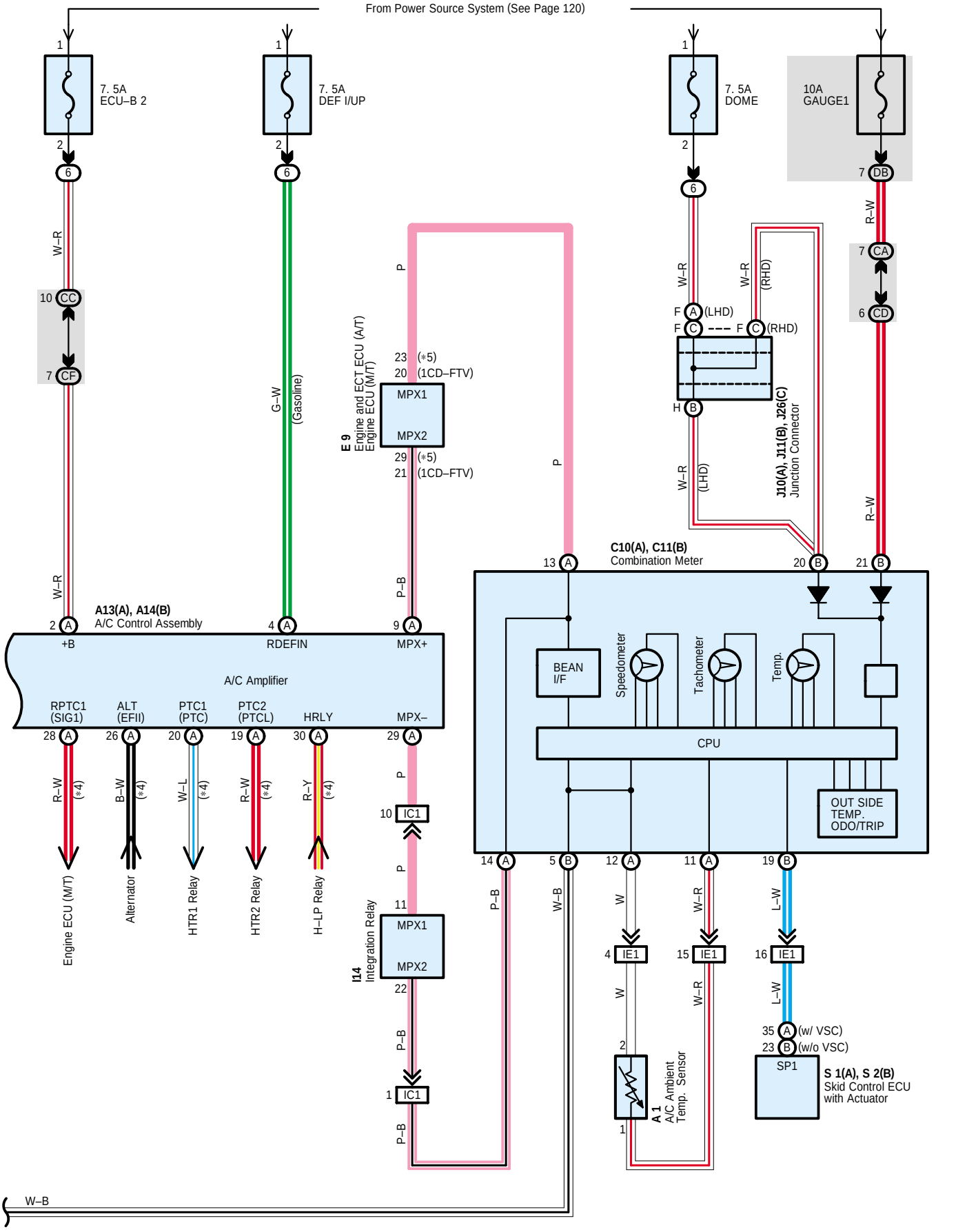


Power Heater (Hot Gas Type Manual A/C)

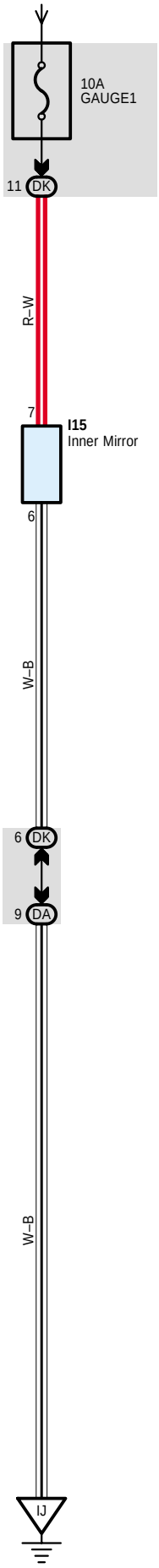



R–W(RHD)
R–W
(LHD)
R–W
(RHD)
R–W
(*1)
R–W
(LHD)
* 1 : LHD 1CD–FTV Power Heater (Hot Gas Type)
* 4 : Power Heater (Electrical Type)
* 5 : 1AZ–FE, 1ZZ–FE, 3ZZ–FE
A 3
A/C Pressure Sensor
9 CJ
12 CK
1 CB
2 CE
6 CE
3
REC
FRS
A21
Air Inlet Control Servo Motor
B–W
G–W
L–W
7 IE2
8 IE2
17 IE2
FAN NO. 3 Relay
W–R
R–Y
P–B
1 A
11 A
10 A
7 A
38 A
32 A
23 A
A13(A), A14(B)
A/C Control Assembly
IG
REC
FRS
S5
SG
PRE
CFAN
A/C Amplifier
SG–3
S5–3
TPM
AOD
AOF
S5–2
SG–2
TP
AMC
AMH
37 A
6 A
33 A
12 A
13 A
5 A
36 A
34 A
16 A
15 A
G–W
BR–W
GR–R
LG–B
L–B
Y–B
Y–R
GR
B
P–L
GND
VZ
PT
DEF
FACE
MAX COOL
MAX HOT
M
A25
Air Vent Mode Control Servo Motor
A22
Air Mix Control Servo Motor
W–B
W–B

Power Heater (Hot Gas Type Manual A/C)

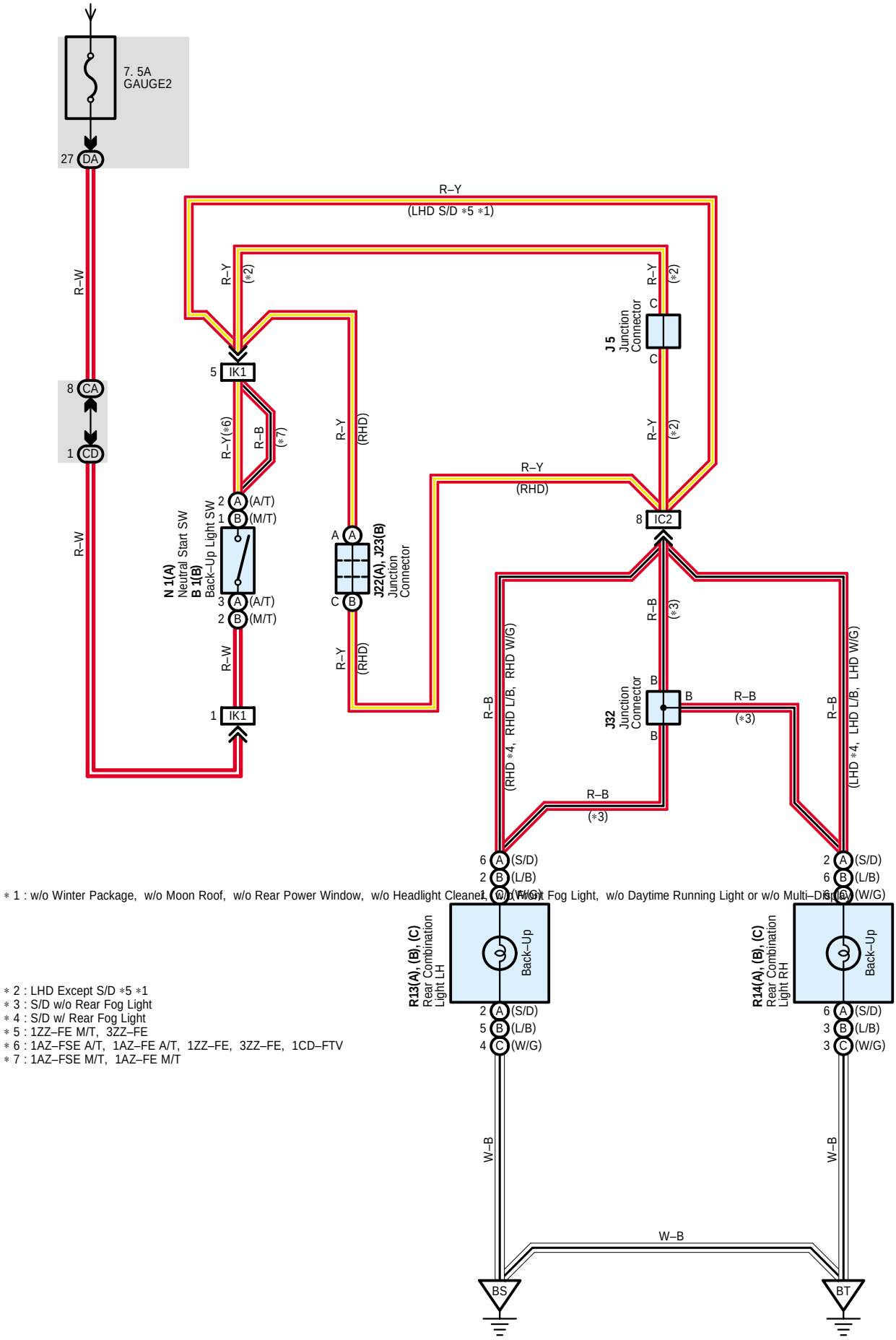


From Power Source System (See Page 120)



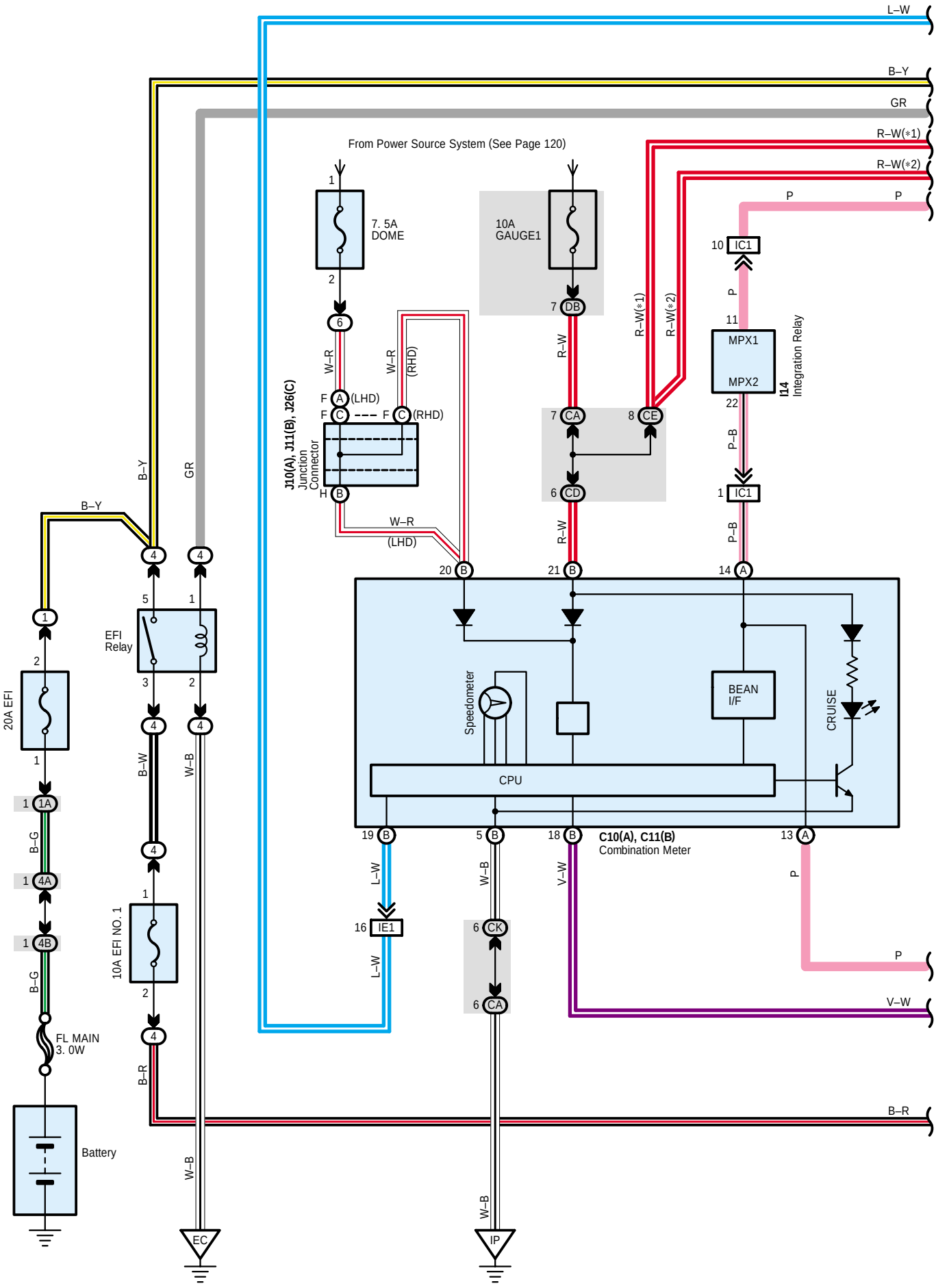
Back–Up Light

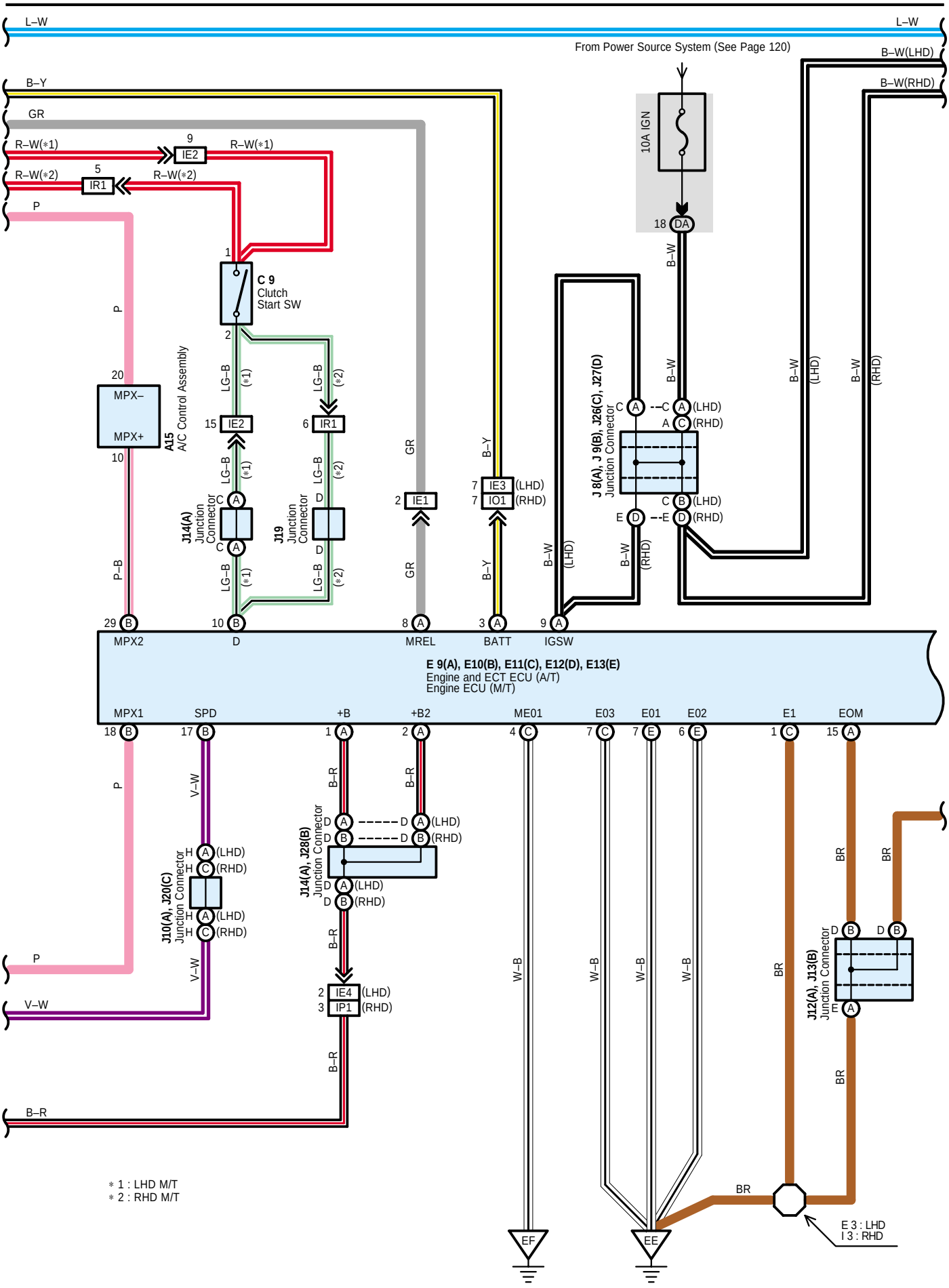
From Power Source System (See Page 120)

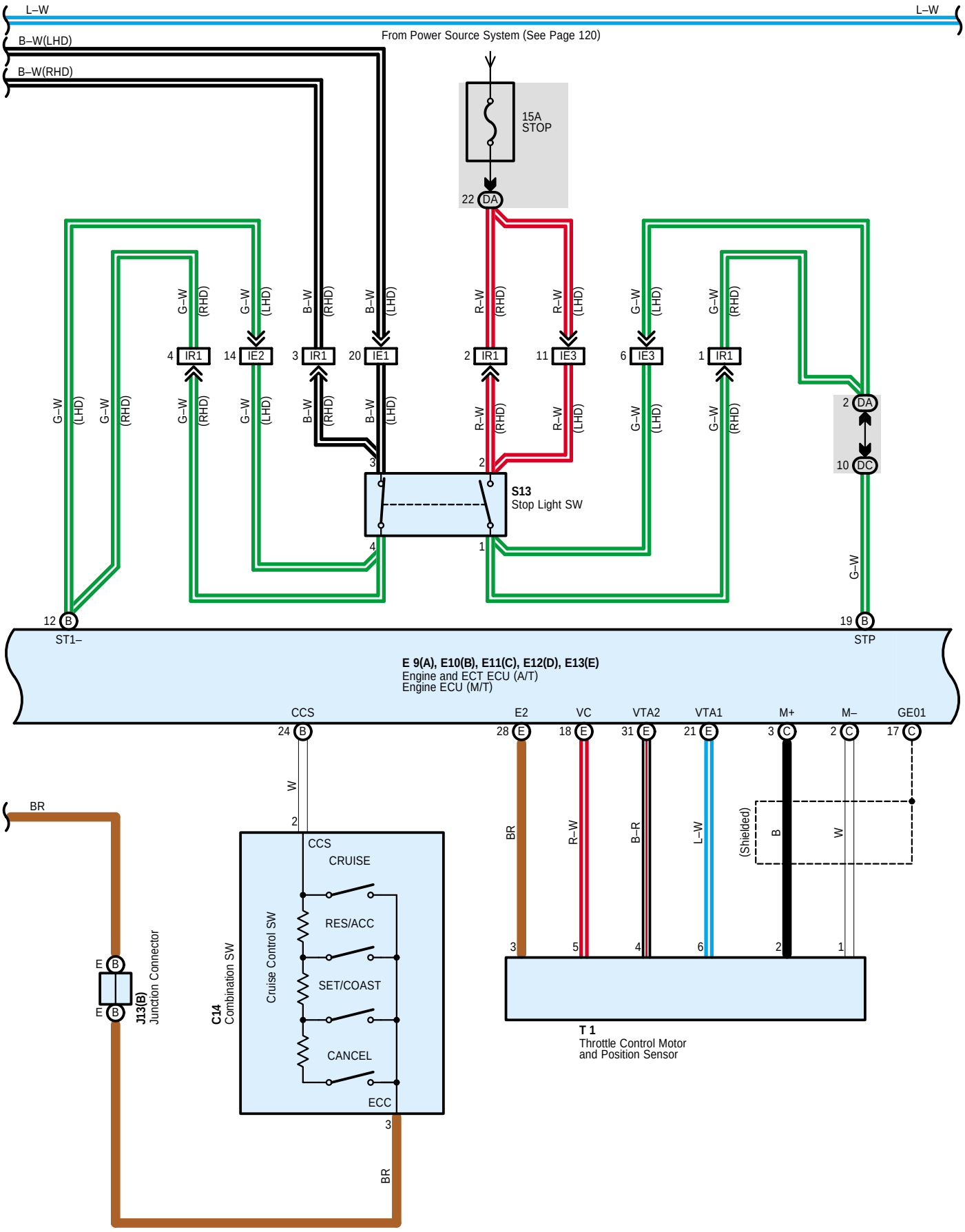


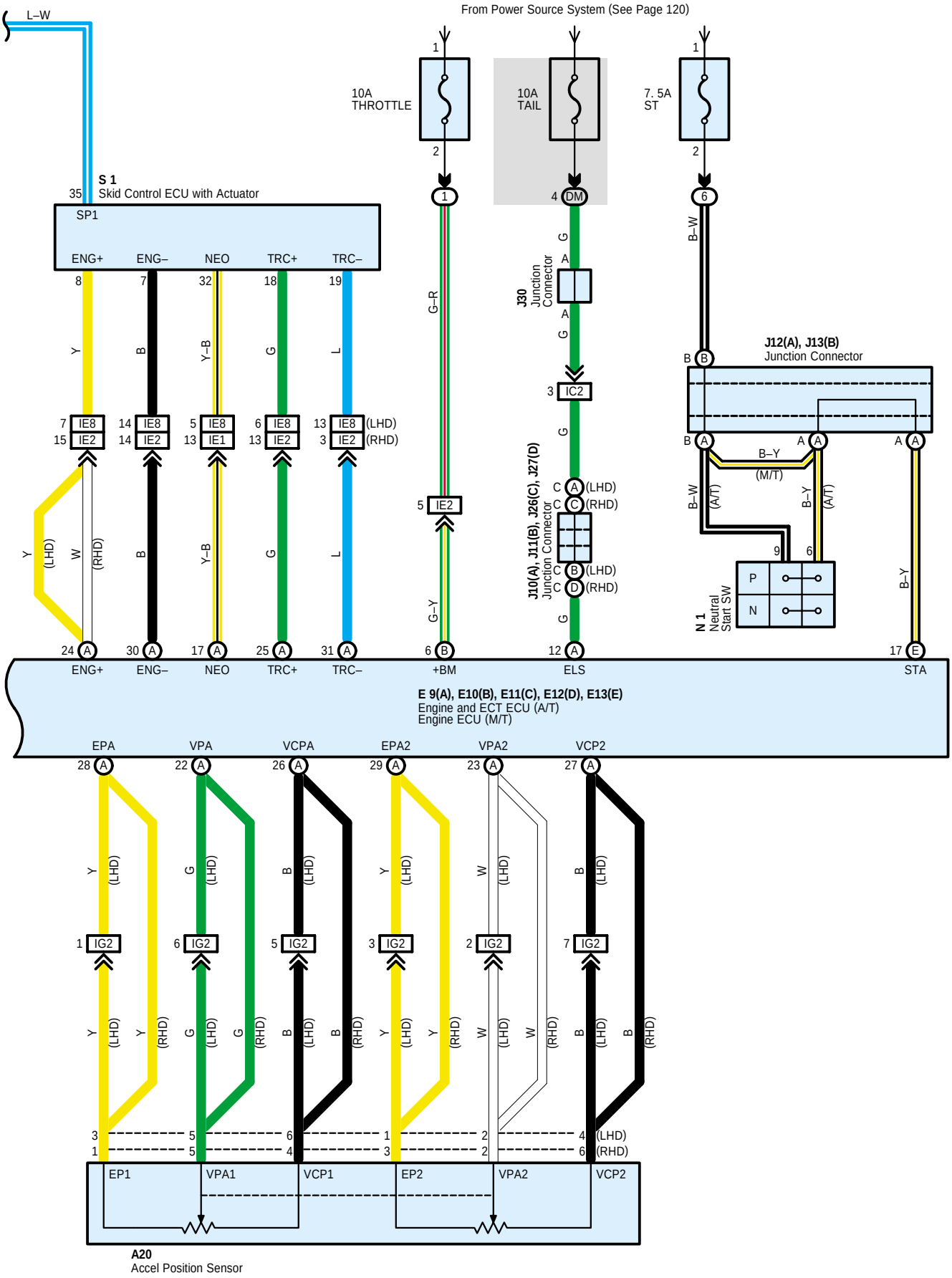
∗ 1 : w/o Winter Package, w/o Moon Roof, w/o Rear Power Window, w/o Headlight Cleaner, w/o Front Fog Light, w/o Daytime Running Light or w/o Multi–Display

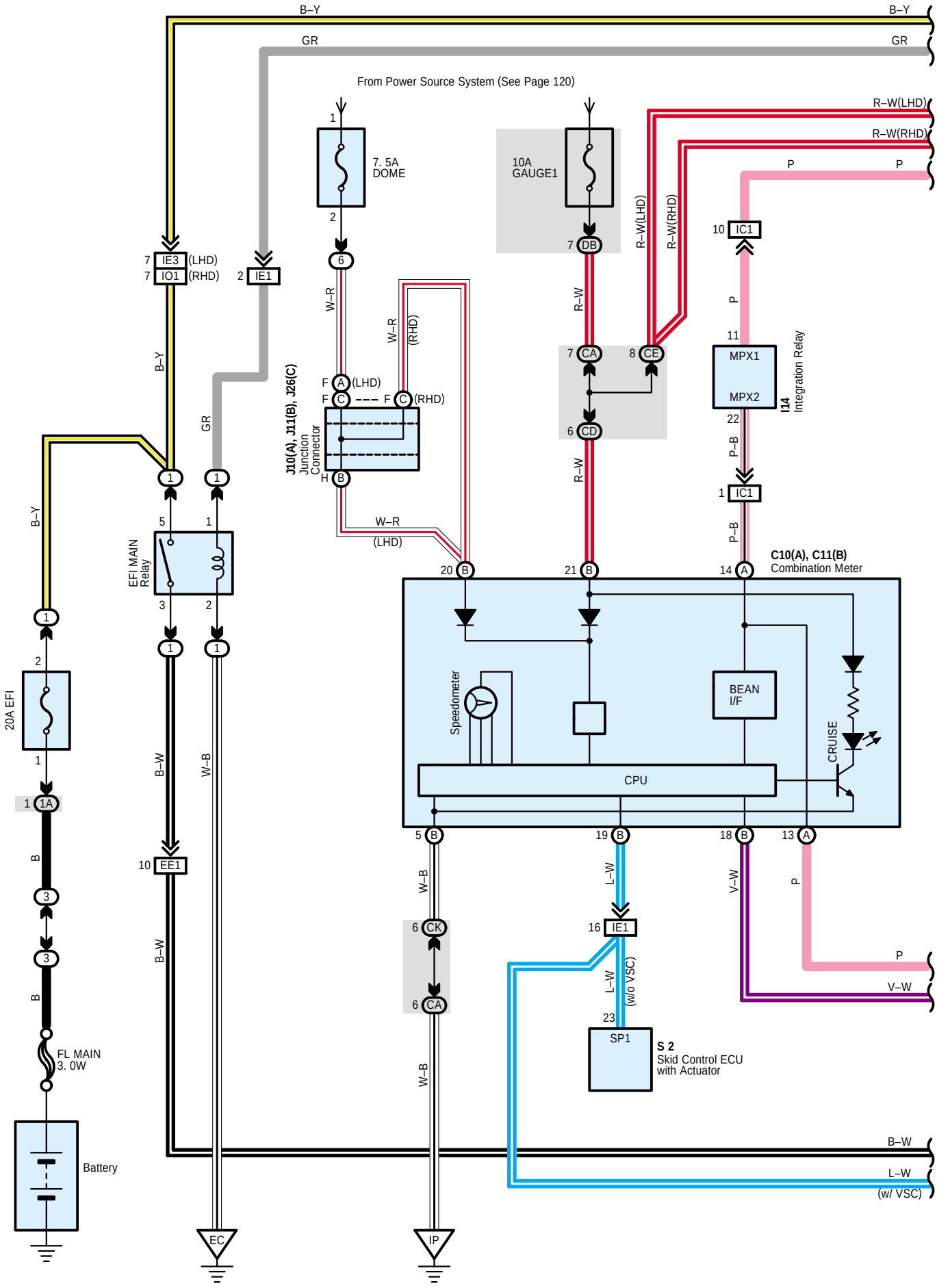
∗ 2 : LHD Except S/D ∗5 ∗1
∗ 3 : S/D w/o Rear Fog Light
∗ 4 : S/D w/ Rear Fog Light
∗ 5 : 1ZZ–FE M/T, 3ZZ–FE
∗ 6 : 1AZ–FSE A/T, 1AZ–FE A/T, 1ZZ–FE, 3ZZ–FE, 1CD–FTV
∗ 7 : 1AZ–FSE M/T, 1AZ–FE M/T

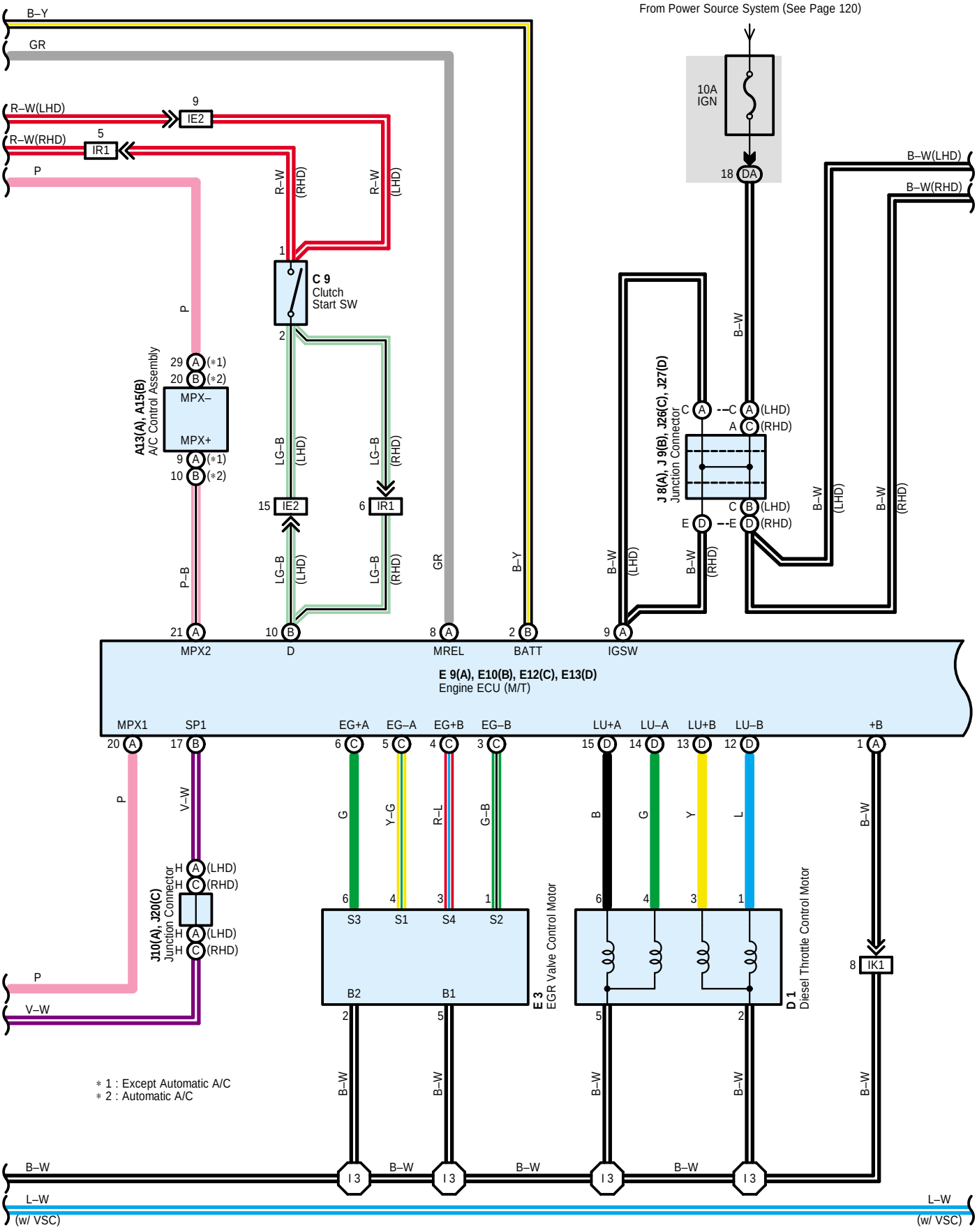

L–W
B–Y
GR
R–W(*1)
R–W(*2)
From Power Source System (See Page 120)
7. 5A
DOME
10A
GAUGE1
P
IC1
MPX1
MPX2
I14
Integration Relay
J10(A), J11(B), J26(C)
Junction
Connector
(LHD)
(RHD)
W–R
R–W
P–B
EFI
Relay
20A EFI
10A EFI NO. 1
FL MAIN
3. 0W
Battery
EC
IP
CPU
Speedometer
BEAN
I/F
CRUISE
C10(A), C11(B)
Combination Meter
B–W
W–B
B–G
B–R
L–W
V–W

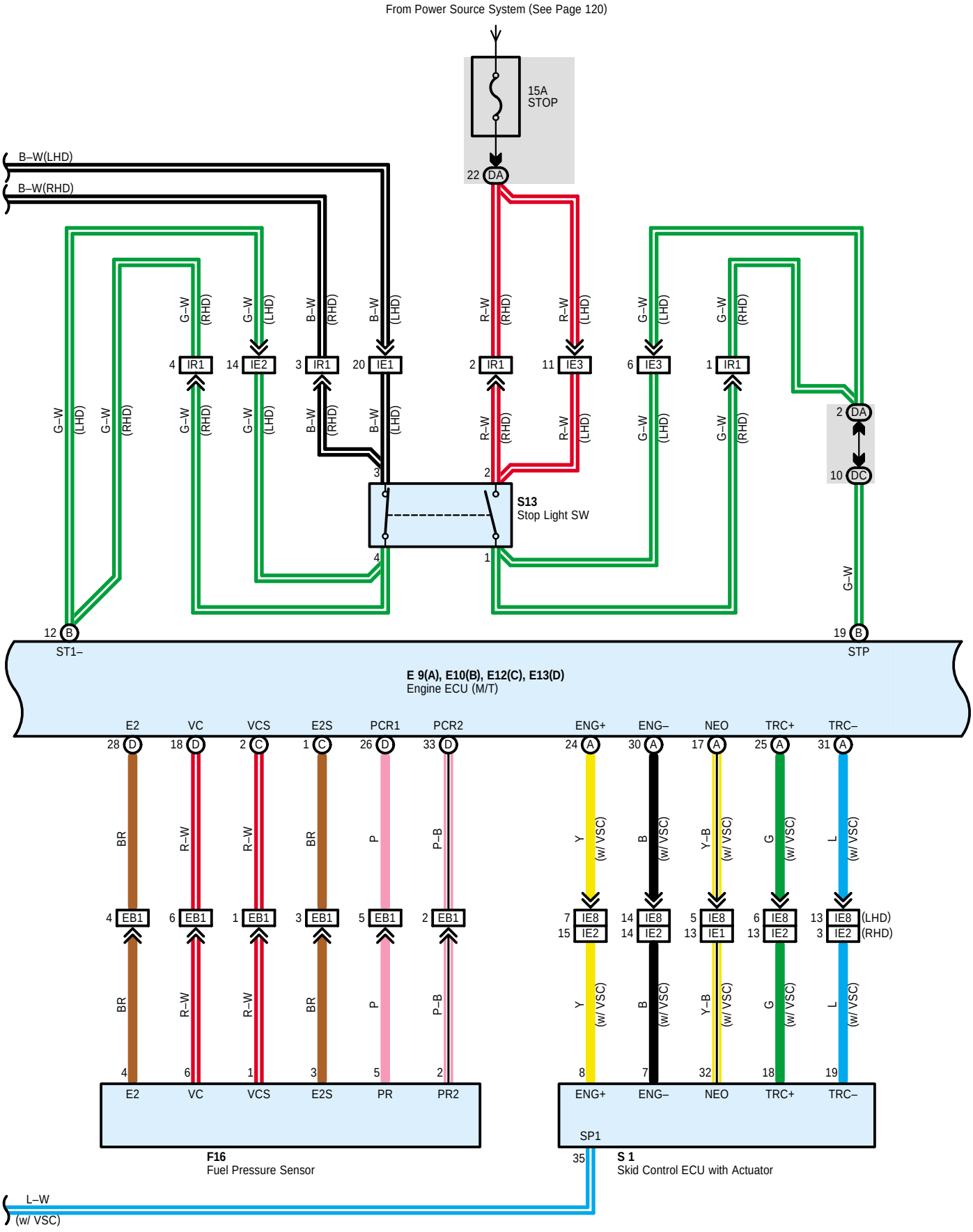

L–W
L–W
From Power Source System (See Page 120)
B–W(LHD)
B–W(RHD)
B–Y
GR
R–W(*1)
R–W(*2)
P
9
IE2
5
IR1
10A IGN
18
DA
B–W
1
C 9
Clutch
Start SW
2
20
MPX–
MPX+
10
A15
A/C Control Assembly
LG–B
(*1)
(*2)
15
IE2
6
IR1
J14(A)
Junction
Connector
J19
Junction
Connector
J 8(A), J 9(B), J26(C), J27(D)
Junction Connector
C
A
(LHD)
A
C
(RHD)
C
B
(LHD)
E
D
D
(RHD)
GR
2
IE1
7
IE3
(LHD)
7
IO1
(RHD)
B–Y
B–W
(LHD)
B–W
(RHD)
P–B
29
B
MPX2
10
B
D
8
A
MREL
3
A
BATT
9
A
IGSW
E 9(A), E10(B), E11(C), E12(D), E13(E)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
MPX1
SPD
+B
+B2
ME01
E03
E01
E02
E1
EOM
18
B
17
B
1
A
2
A
4
C
7
C
7
E
6
E
1
C
15
A
P
V–W
B–R
W–B
BR
J10(A), J20(C)
Junction Connector
H
A
(LHD)
H
C
(RHD)
J14(A), J28(B)
Junction Connector
D
A
(LHD)
D
B
(RHD)
2
IE4
(LHD)
3
IP1
(RHD)
J12(A), J13(B)
Junction Connector
D
B
A
EF
EE
E 3 : LHD
I 3 : RHD
* 1 : LHD M/T
* 2 : RHD M/T


L–W
L–W
From Power Source System (See Page 120)
B–W(LHD)
B–W(RHD)
15A
STOP
22 DA
G–W (LHD)
G–W (RHD)
4 IR1
14 IE2
3 IR1
20 IE1
2 IR1
11 IE3
6 IE3
1 IR1
R–W (RHD)
R–W (LHD)
B–W (RHD)
B–W (LHD)
2 DA
10 DC
S13
Stop Light SW
12 B
ST1–
19 B
STP
E 9(A), E10(B), E11(C), E12(D), E13(E)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
CCS
E2
VC
VTA2
VTA1
M+
M–
GE01
24 B
28 E
18 E
31 E
21 E
3 C
2 C
17 C
BR
W
R–W
B–R
L–W
B
(Shielded)
J13(B)
Junction Connector
C14
Combination SW
Cruise Control SW
CCS
CRUISE
RES/ACC
SET/COAST
CANCEL
ECC
T 1
Throttle Control Motor
and Position Sensor

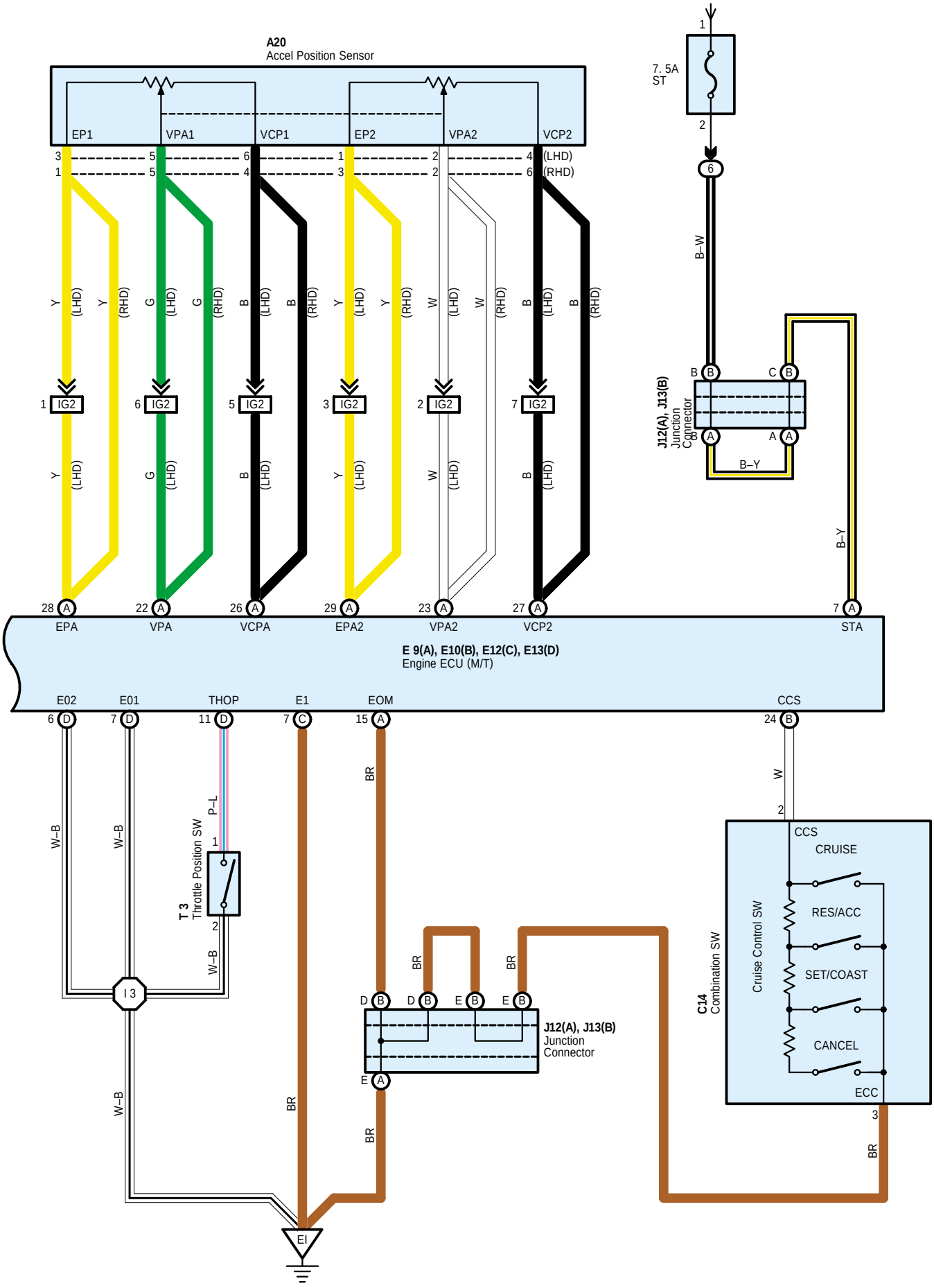

From Power Source System (See Page 120)
L–W
10A THROTTLE
10A TAIL
7. 5A ST
S 1
Skid Control ECU with Actuator
SP1
ENG+
ENG–
NEO
TRC+
TRC–
J30 Junction Connector
J12(A), J13(B) Junction Connector
B–Y (M/T)
B–W (A/T)
B–Y (A/T)
J10(A), J11(B), J26(C), J27(D) Junction Connector
N 1 Neutral Start SW
P
N
(LHD)
(RHD)
+BM
ELS
STA
E 9(A), E10(B), E11(C), E12(D), E13(E)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
EPA
VPA
VCPA
EPA2
VPA2
VCP2
EP1
VPA1
VCP1
EP2
VPA2
VCP2
A20
Accel Position Sensor


B–Y
GR
From Power Source System (See Page 120)
7. 5A
DOME
10A
GAUGE1
R–W(LHD)
R–W(RHD)
7 IE3 (LHD)
7 IO1 (RHD)
2 IE1
W–R
R–W
P
10 IC1
11 MPX1
MPX2
I14
Integration Relay
22
P–B
1 IC1
J10(A), J11(B), J26(C)
Junction
Connector
F A (LHD)
F C --- F C (RHD)
H B
W–R (LHD)
7 CA
8 CE
6 CD
20 B
21 B
14 A
C10(A), C11(B)
Combination Meter
EFI MAIN
Relay
20A EFI
1A
B
FL MAIN
3. 0W
Battery
B–W
W–B
10 EE1
Speedometer
CPU
BEAN
I/F
CRUISE
5 B
19 B
18 B
13 A
6 CK
6 CA
L–W
V–W
16 IE1
(w/o VSC)
23
SP1
S 2
Skid Control ECU
with Actuator
(w/ VSC)
EC
IP

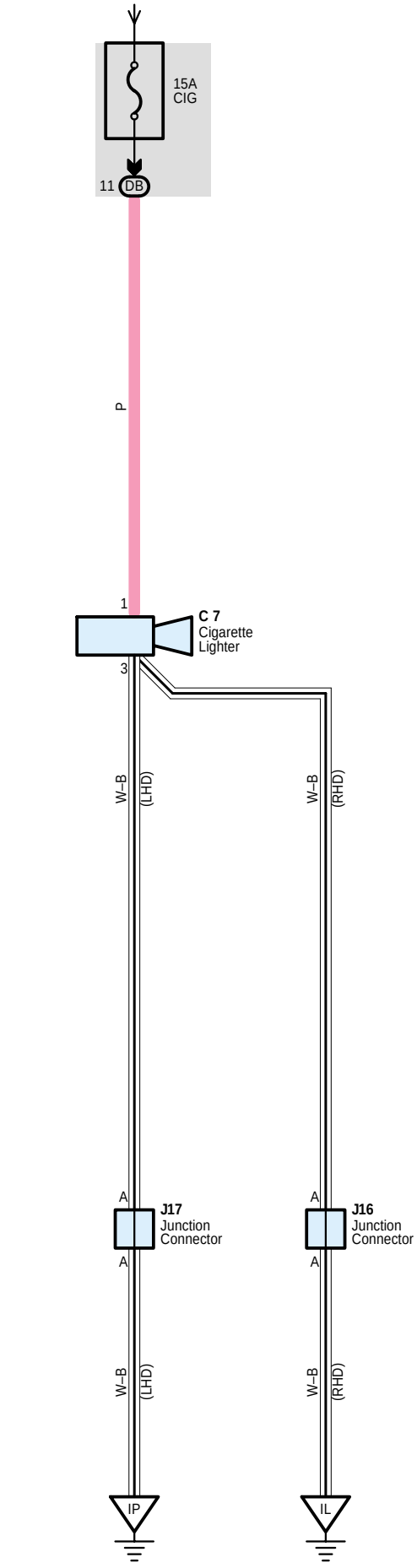

From Power Source System (See Page 120)
B–Y
GR
R–W(LHD)
R–W(RHD)
P
9
IE2
5
IR1
10A
IGN
18
DA
B–W(LHD)
B–W(RHD)
R–W (RHD)
R–W (LHD)
1
C 9
Clutch
Start SW
2
P
A13(A), A15(B)
A/C Control Assembly
29 A (*1)
20 B (*2)
MPX–
MPX+
9 A (*1)
10 B (*2)
LG–B (LHD)
LG–B (RHD)
15 IE2
6 IR1
P–B
LG–B (LHD)
LG–B (RHD)
GR
B–Y
B–W
B–W (LHD)
B–W (RHD)
J8(A), J9(B), J26(C), J27(D)
Junction Connector
C A --C A (LHD)
A C (RHD)
C B (LHD)
E D --E D (RHD)
B–W (LHD)
B–W (RHD)
21 A
MPX2
10 B
D
8 A
MREL
2 B
BATT
9 A
IGSW
E 9(A), E10(B), E12(C), E13(D)
Engine ECU (M/T)
MPX1
SP1
EG+A
EG–A
EG+B
EG–B
LU+A
LU–A
LU+B
LU–B
+B
20 A
17 B
6 C
5 C
4 C
3 C
15 D
14 D
13 D
12 D
1 A
P
V–W
G
Y–G
R–L
G–B
B
G
Y
L
B–W
J10(A), J20(C)
Junction Connector
H A (LHD)
H C (RHD)
H A (LHD)
H C (RHD)
P
V–W
6
4
3
1
S3
S1
S4
S2
E 3
EGR Valve Control Motor
B2
B1
2
5
D 1
Diesel Throttle Control Motor
8 IK1
B–W
I 3
L–W
(w/ VSC)
* 1 : Except Automatic A/C
* 2 : Automatic A/C

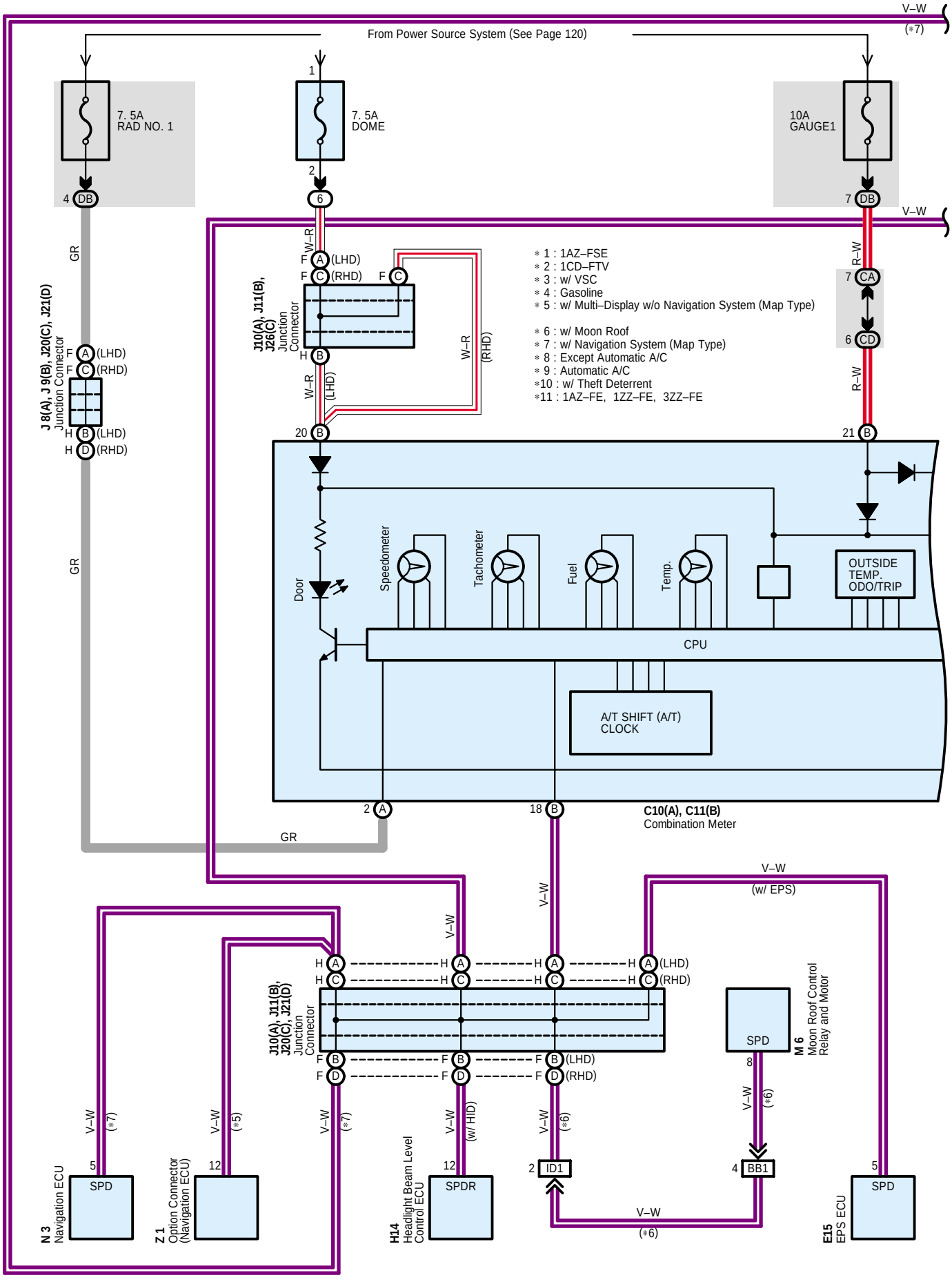

From Power Source System (See Page 120)
15A
STOP
22 DA
B–W(LHD)
B–W(RHD)
G–W (LHD)
G–W (RHD)
B–W (RHD)
B–W (LHD)
R–W (RHD)
R–W (LHD)
4 IR1
14 IE2
3 IR1
20 IE1
2 IR1
11 IE3
6 IE3
1 IR1
2 DA
10 DC
S13
Stop Light SW
12 B
ST1–
19 B
STP
E 9(A), E10(B), E12(C), E13(D)
Engine ECU (M/T)
E2
VC
VCS
E2S
PCR1
PCR2
ENG+
ENG–
NEO
TRC+
TRC–
BR
R–W
P
P–B
Y
B
Y–B
G
L
(w/ VSC)
4 EB1
6 EB1
1 EB1
3 EB1
5 EB1
2 EB1
7 IE8 15 IE2
14 IE8 14 IE2
5 IE8 13 IE1
6 IE8 13 IE2
13 IE8 (LHD) 3 IE2 (RHD)
F16
Fuel Pressure Sensor
SP1
35
S 1
Skid Control ECU with Actuator
L–W
(w/ VSC)

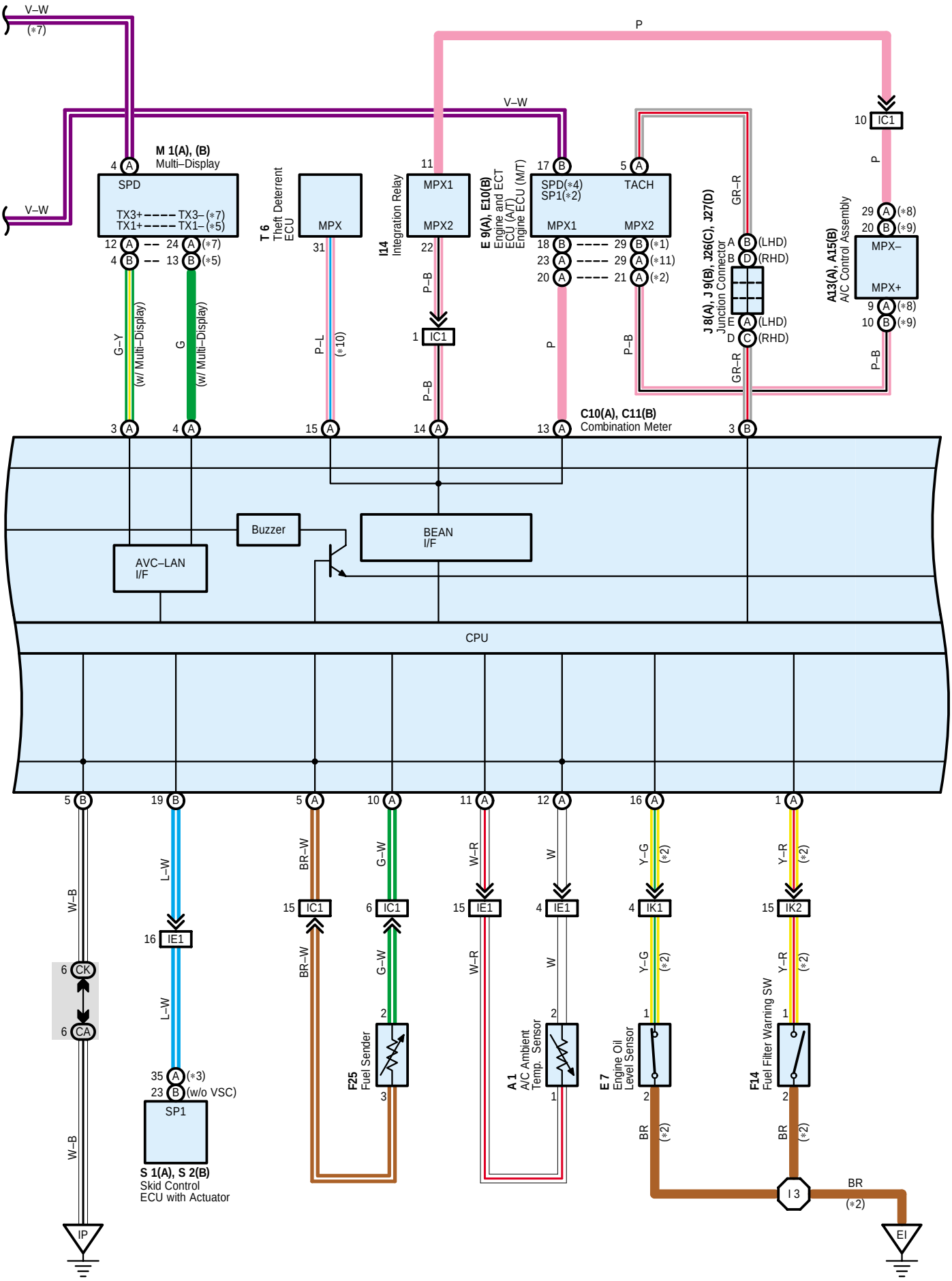
From Power Source System (See Page 120)

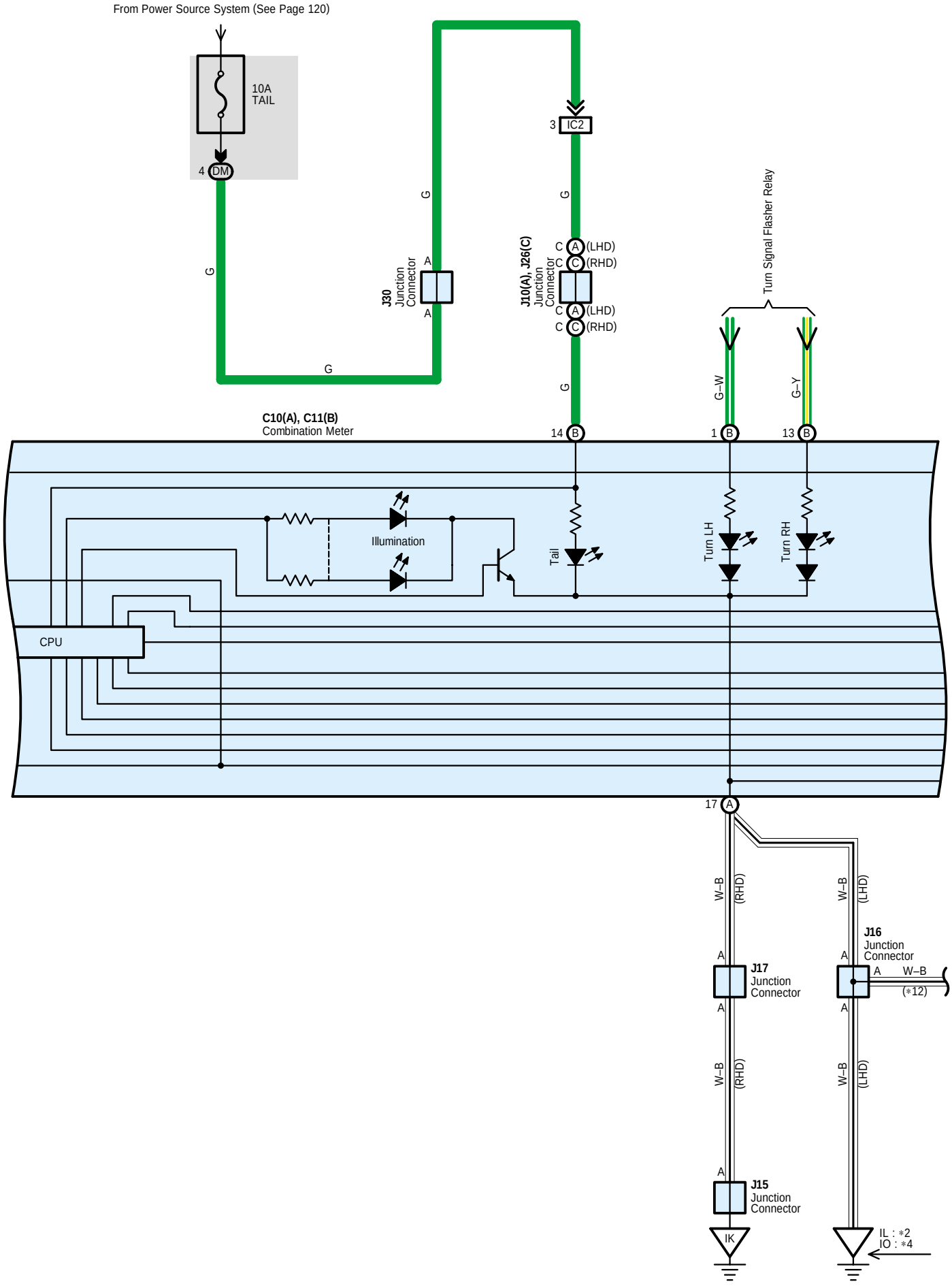


From Power Source System (See Page 120)



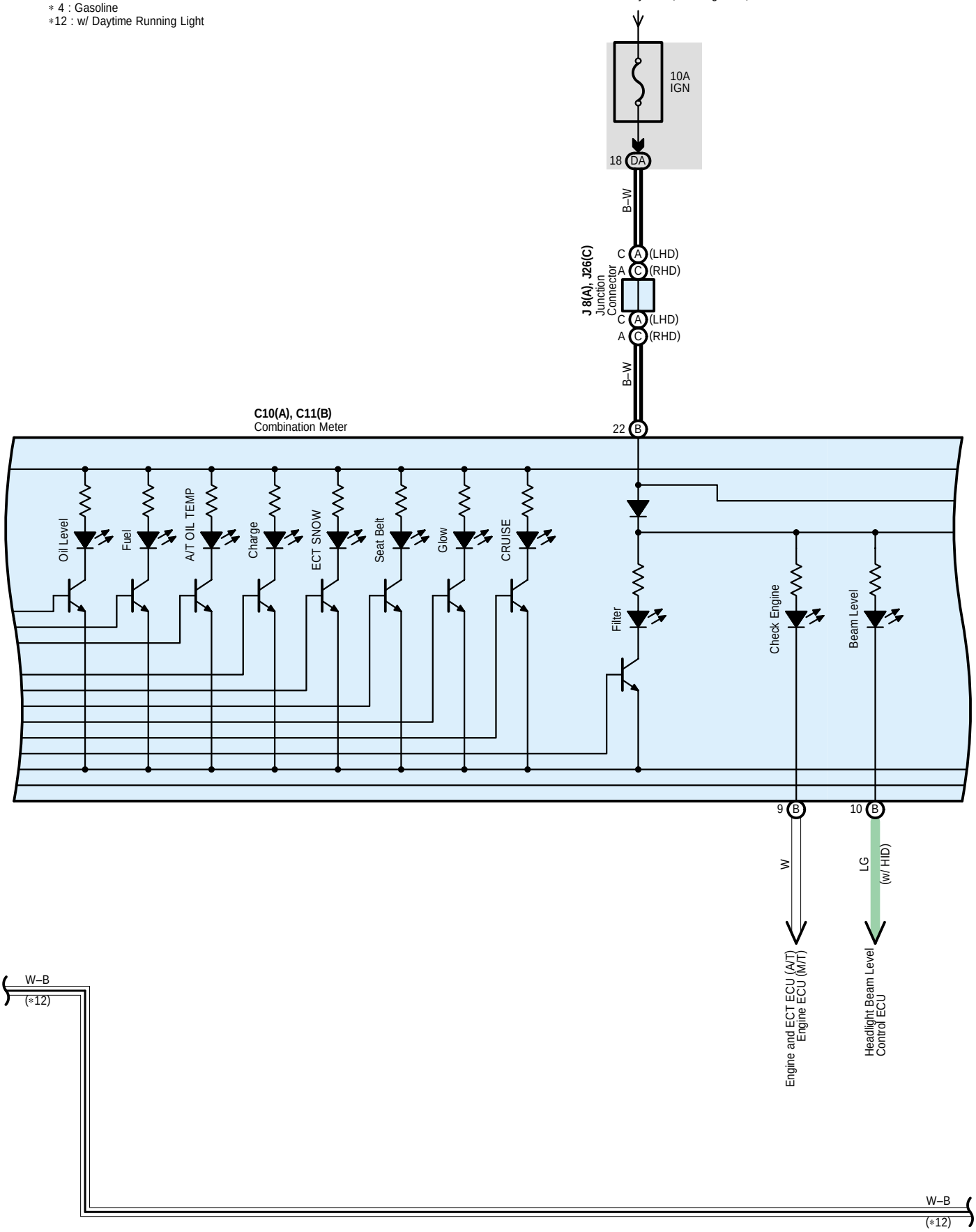

From Power Source System (See Page 120)
7. 5A
RAD NO. 1
7. 5A
DOME
10A
GAUGE1
V–W
(*7)
R–W
W–R
GR
(LHD)
(RHD)
* 1 : 1AZ–FSE
* 2 : 1CD–FTV
* 3 : w/ VSC
* 4 : Gasoline
* 5 : w/ Multi–Display w/o Navigation System (Map Type)
* 6 : w/ Moon Roof
* 7 : w/ Navigation System (Map Type)
* 8 : Except Automatic A/C
* 9 : Automatic A/C
*10 : w/ Theft Deterrent
*11 : 1AZ–FE, 1ZZ–FE, 3ZZ–FE
J 8(A), J 9(B), J20(C), J21(D)
Junction Connector
J10(A), J11(B),
J26(C)
Junction
Connector
Door
Speedometer
Tachometer
Fuel
Temp.
OUTSIDE
TEMP.
ODO/TRIP
CPU
A/T SHIFT (A/T)
CLOCK
C10(A), C11(B)
Combination Meter
J10(A), J11(B),
J20(C), J21(D)
Junction
Connector
(w/ EPS)
(w/ HID)
SPD
SPDR
ID1
BB1
M 6
Moon Roof Control
Relay and Motor
N 3
Navigation ECU
Z 1
Option Connector
(Navigation ECU)
H14
Headlight Beam Level
Control ECU
E15
EPS ECU


V–W
(*7)
P
V–W
V–W
10 IC1
P
M 1(A), (B)
Multi–Display
4 A
SPD
TX3+ TX3– (*7)
TX1+ TX1– (*5)
12 A 24 A (*7)
4 B 13 B (*5)
T 6
Theft Deterrent ECU
MPX
31
I14
Integration Relay
11
MPX1
MPX2
22
P–B
1 IC1
P–B
E 9(A), E10(B)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
17 B
SPD(*4)
SP1(*2)
MPX1
MPX2
18 B 29 B (*1)
23 A 29 A (*11)
20 A 21 A (*2)
5 A
TACH
P–B
GR–R
J 8(A), J 9(B), J26(C), J27(D)
Junction Connector
A B (LHD)
B D (RHD)
E A (LHD)
D C (RHD)
GR–R
A13(A), A15(B)
A/C Control Assembly
29 A (*8)
20 B (*9)
MPX–
MPX+
9 A (*8)
10 B (*9)
P–B
G–Y
(w/ Multi–Display)
G
(w/ Multi–Display)
P–L
(*10)
P
C10(A), C11(B)
Combination Meter
3 A
4 A
15 A
14 A
13 A
3 B
Buzzer
BEAN
I/F
AVC–LAN
I/F
CPU
5 B
19 B
5 A
10 A
11 A
12 A
16 A
1 A
W–B
L–W
BR–W
G–W
W–R
W
Y–G
(*2)
Y–R
(*2)
6 CK
6 CA
16 IE1
15 IC1
6 IC1
15 IE1
4 IE1
4 IK1
15 IK2
L–W
BR–W
G–W
W–R
W
Y–G
(*2)
Y–R
(*2)
35 A (*3)
23 B (w/o VSC)
SP1
S 1(A), S 2(B)
Skid Control
ECU with Actuator
F25
Fuel Sender
2
3
A 1
A/C Ambient Temp. Sensor
2
1
E 7
Engine Oil Level Sensor
1
2
F14
Fuel Filter Warning SW
1
2
BR
(*2)
BR
(*2)
I 3
BR
(*2)
IP
EI


From Power Source System (See Page 120)
10A
TAIL
4 DM
G
G
G
3 IC2
G
J30
Junction
Connector
A
A
J10(A), J26(C)
Junction
Connector
C A (LHD)
C C (RHD)
C A (LHD)
C C (RHD)
G
Turn Signal Flasher Relay
G–W
G–Y
C10(A), C11(B)
Combination Meter
14 B
1 B
13 B
Illumination
Tail
Turn LH
Turn RH
CPU
17 A
W–B
(RHD)
W–B
(LHD)
J16
Junction
Connector
A
J17
Junction
Connector
A W–B
(*12)
A
A
W–B
(RHD)
W–B
(LHD)
A
J15
Junction
Connector
IK
IL : *2
IO : *4

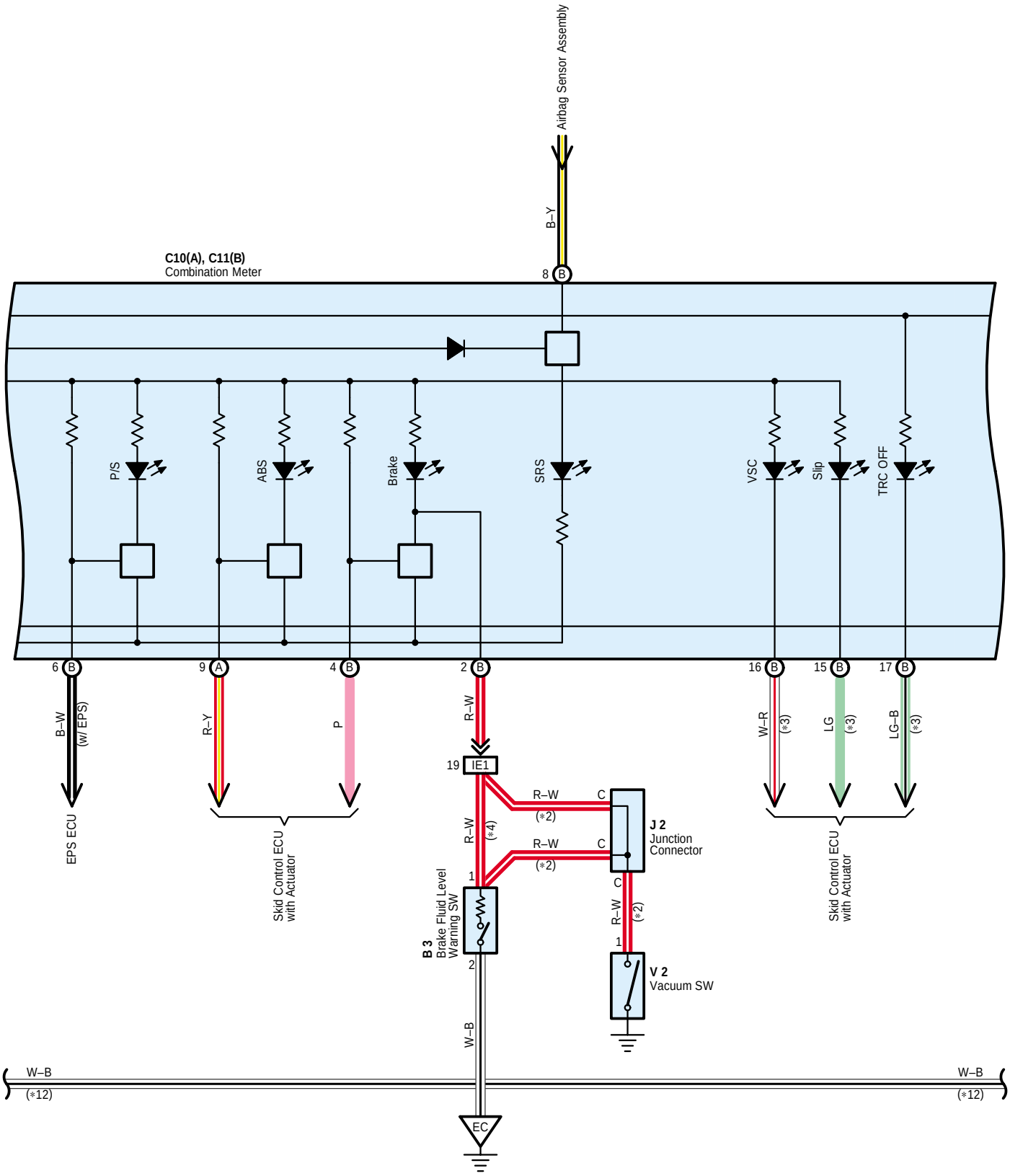
∗ 2 : 1CD–FTV
∗ 4 : Gasoline
∗12 : w/ Daytime Running Light

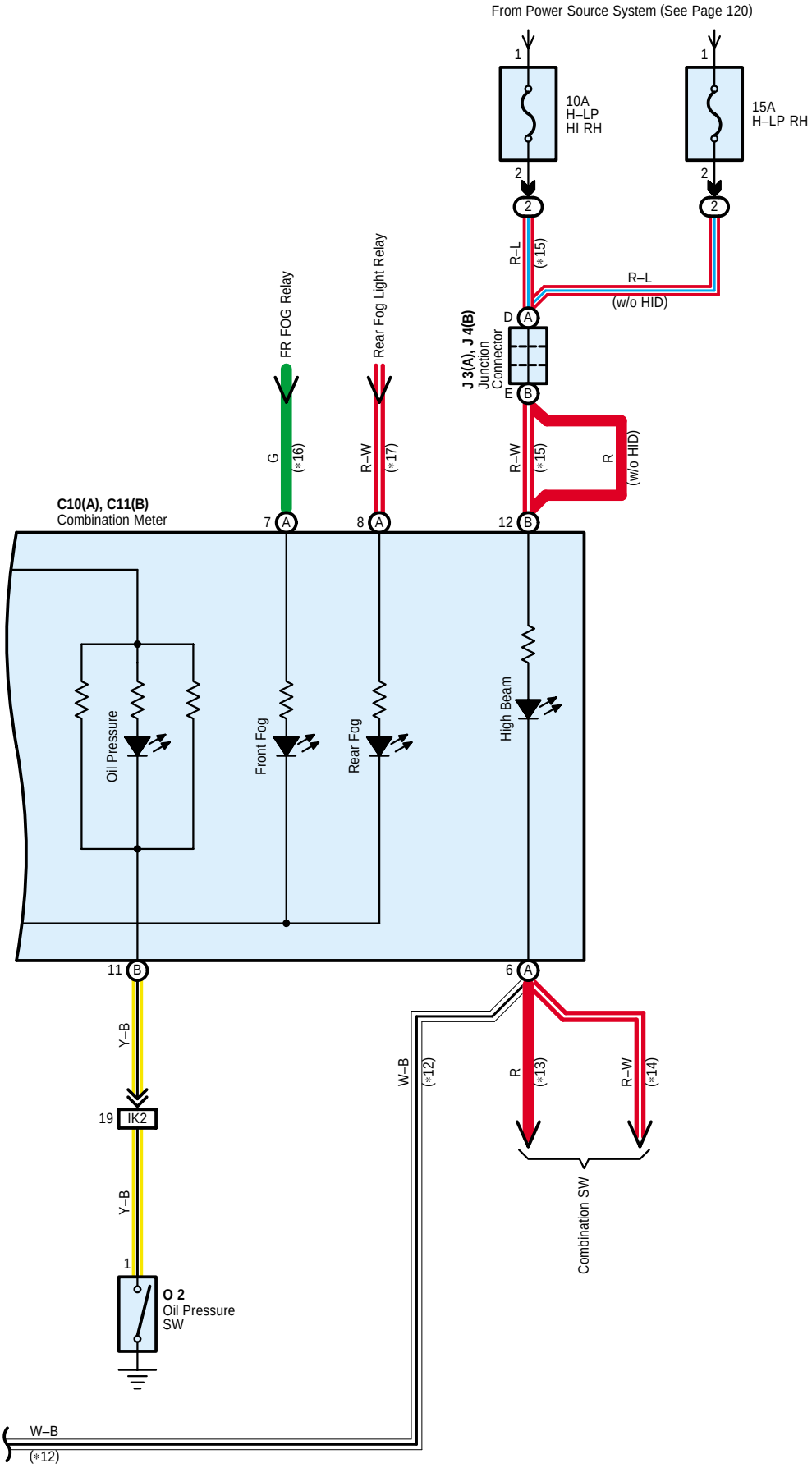
From Power Source System (See Page 120)

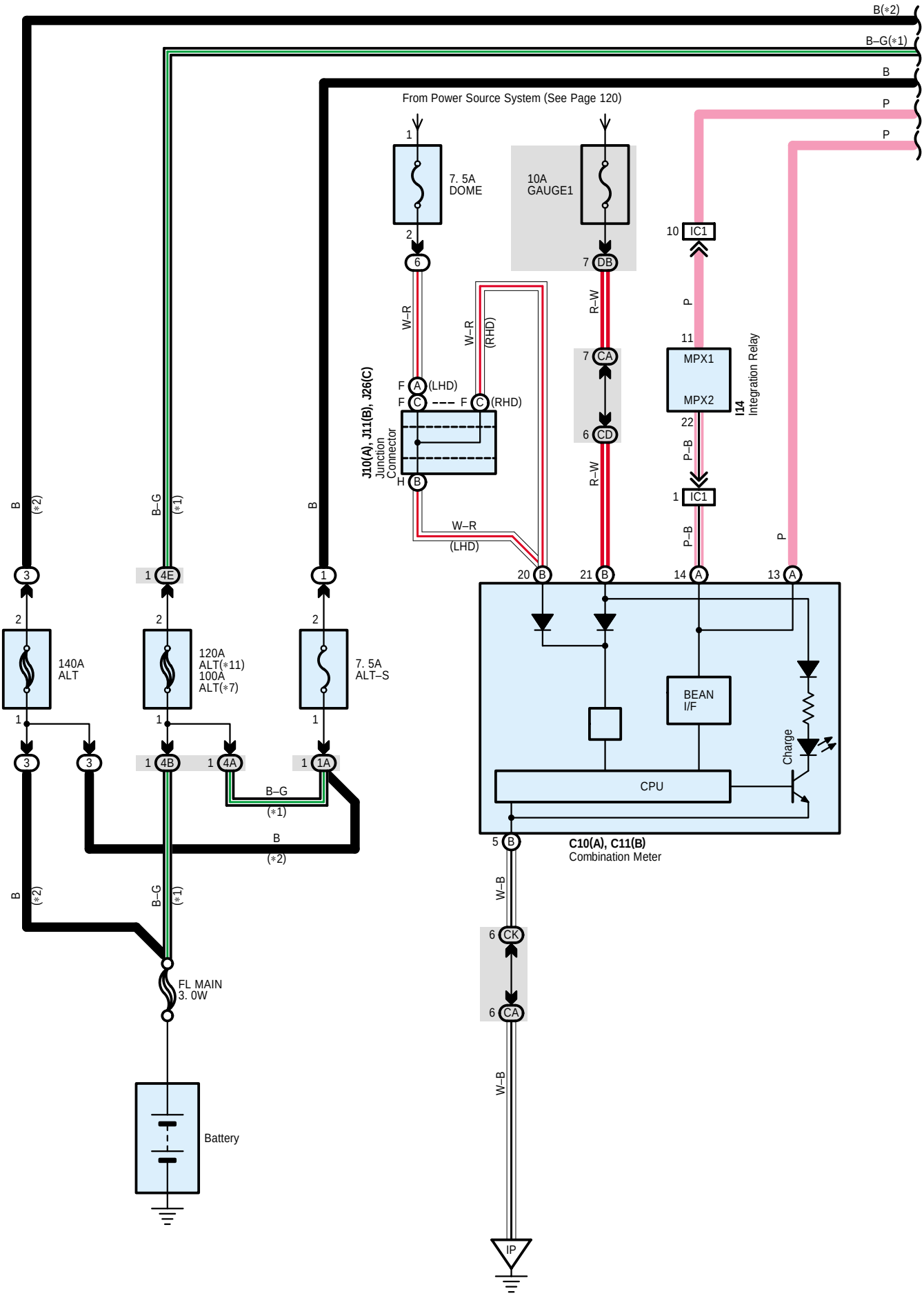


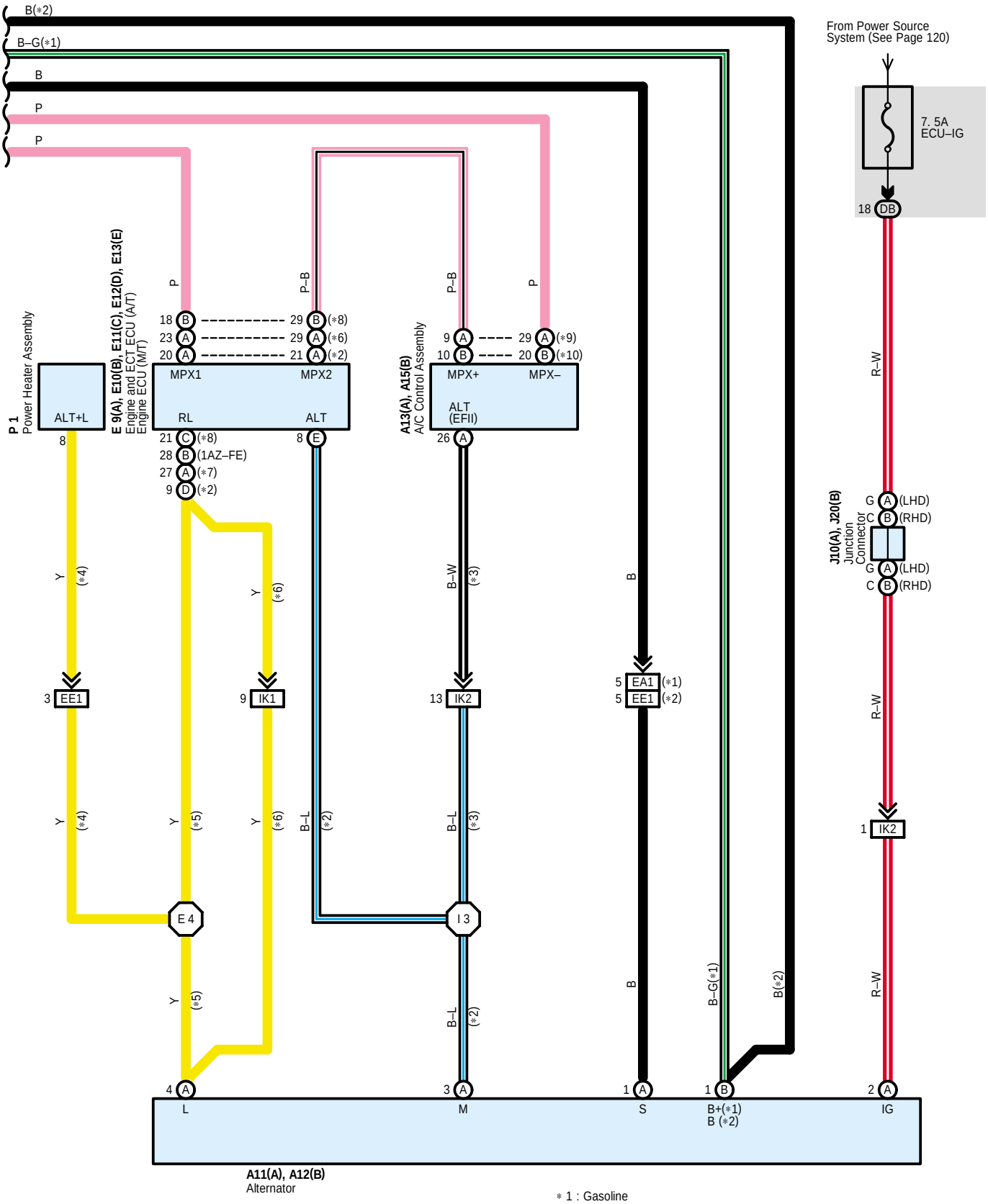
Combination Meter

∗ 2 : 1CD–FTV
∗ 3 : w/ VSC
∗ 4 : Gasoline
∗12 : w/ Daytime Running Light
∗13 : w/o Daytime Running Light w/o HID
∗14 : w/o Daytime Running Light w/ HID
∗15 : w/ Daytime Running Light, w/ HID
∗16 : w/ Front Fog Light
∗17 : w/ Rear Fog Light



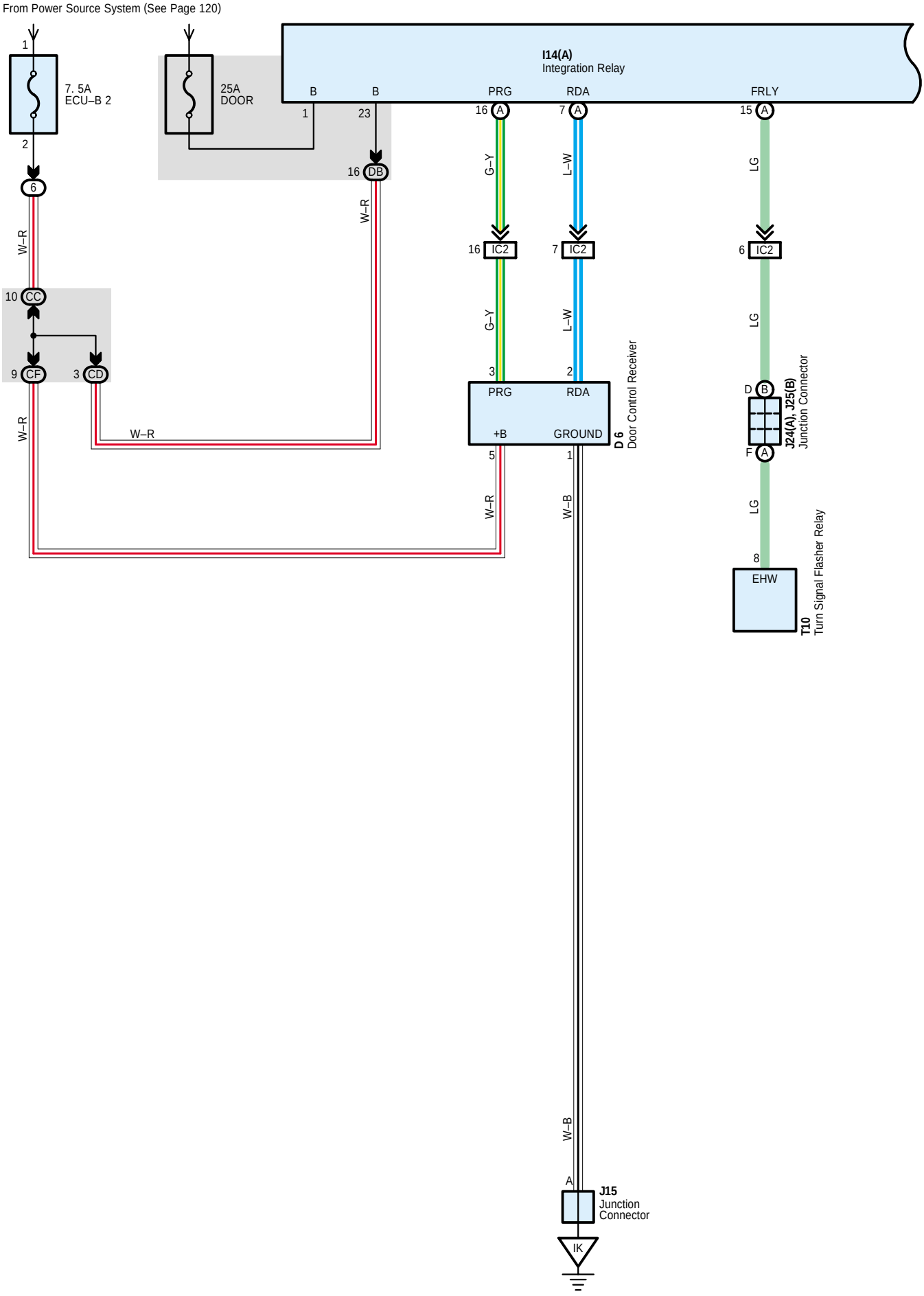

From Power Source System (See Page 120)
10A
H–LP
HI RH
15A
H–LP RH
R–L
(*15)
R–L
(w/o HID)
J 3(A), J 4(B)
Junction
Connector
FR FOG Relay
Rear Fog Light Relay
G
(*16)
R–W
(*17)
R–W
(*15)
R
(w/o HID)
C10(A), C11(B)
Combination Meter
Oil Pressure
Front Fog
Rear Fog
High Beam
Y–B
IK2
Y–B
O 2
Oil Pressure
SW
W–B
(*12)
R
(*13)
R–W
(*14)
Combination SW
W–B
(*12)

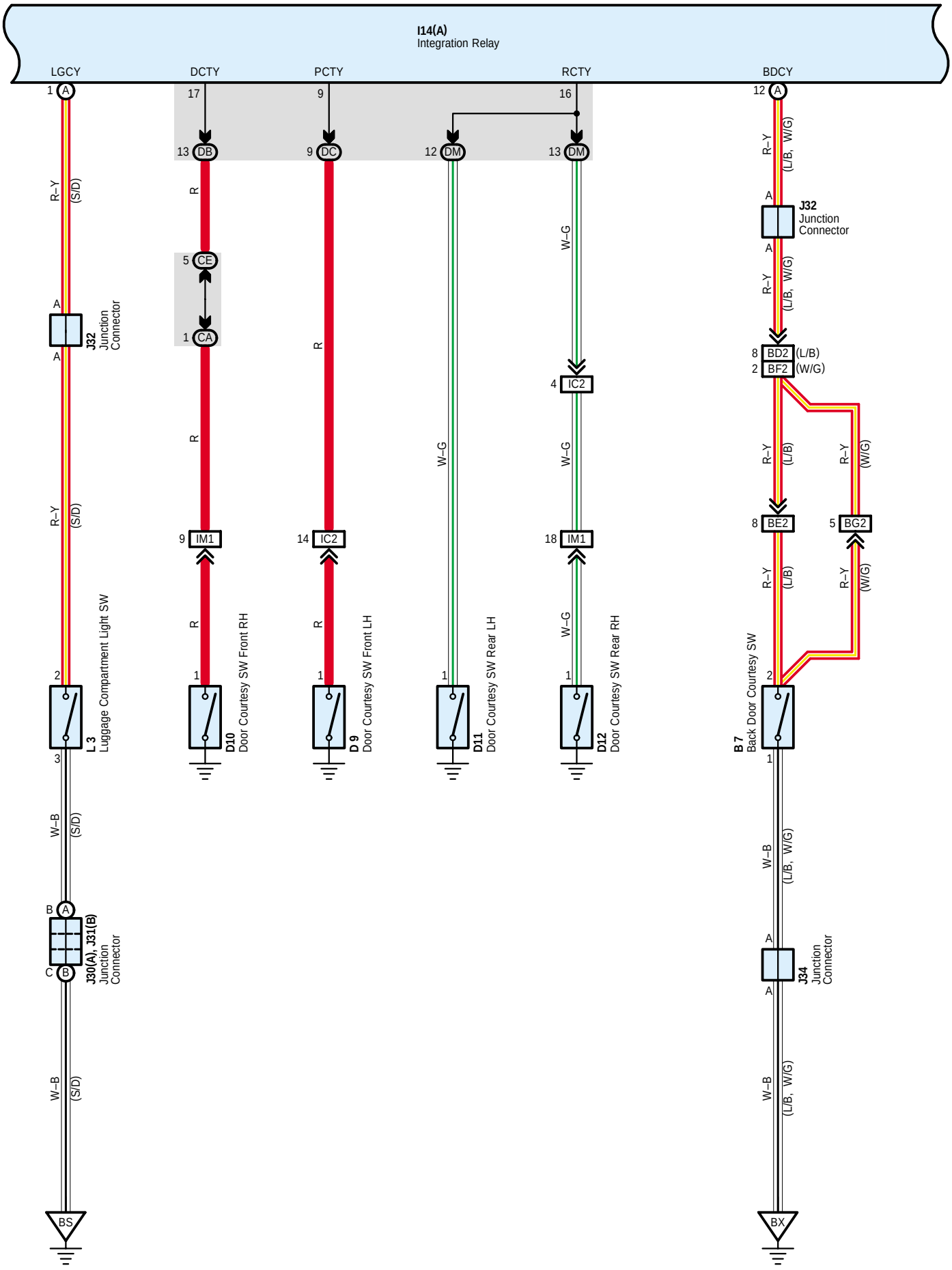

B(*2)
B–G(*1)
B
P
P
From Power Source System (See Page 120)
7. 5A
DOME
10A
GAUGE1
IC1
MPX1
MPX2
I14
Integration Relay
W–R
W–R
(RHD)
R–W
R–W
P
P–B
P–B
P
J10(A), J11(B), J26(C)
Junction
Connector
(LHD)
(RHD)
W–R
(LHD)
140A
ALT
120A
ALT(*11)
100A
ALT(*7)
7. 5A
ALT–S
B–G
(*1)
B
(*2)
BEAN
I/F
CPU
Charge
C10(A), C11(B)
Combination Meter
W–B
W–B
FL MAIN
3. 0W
Battery
IP



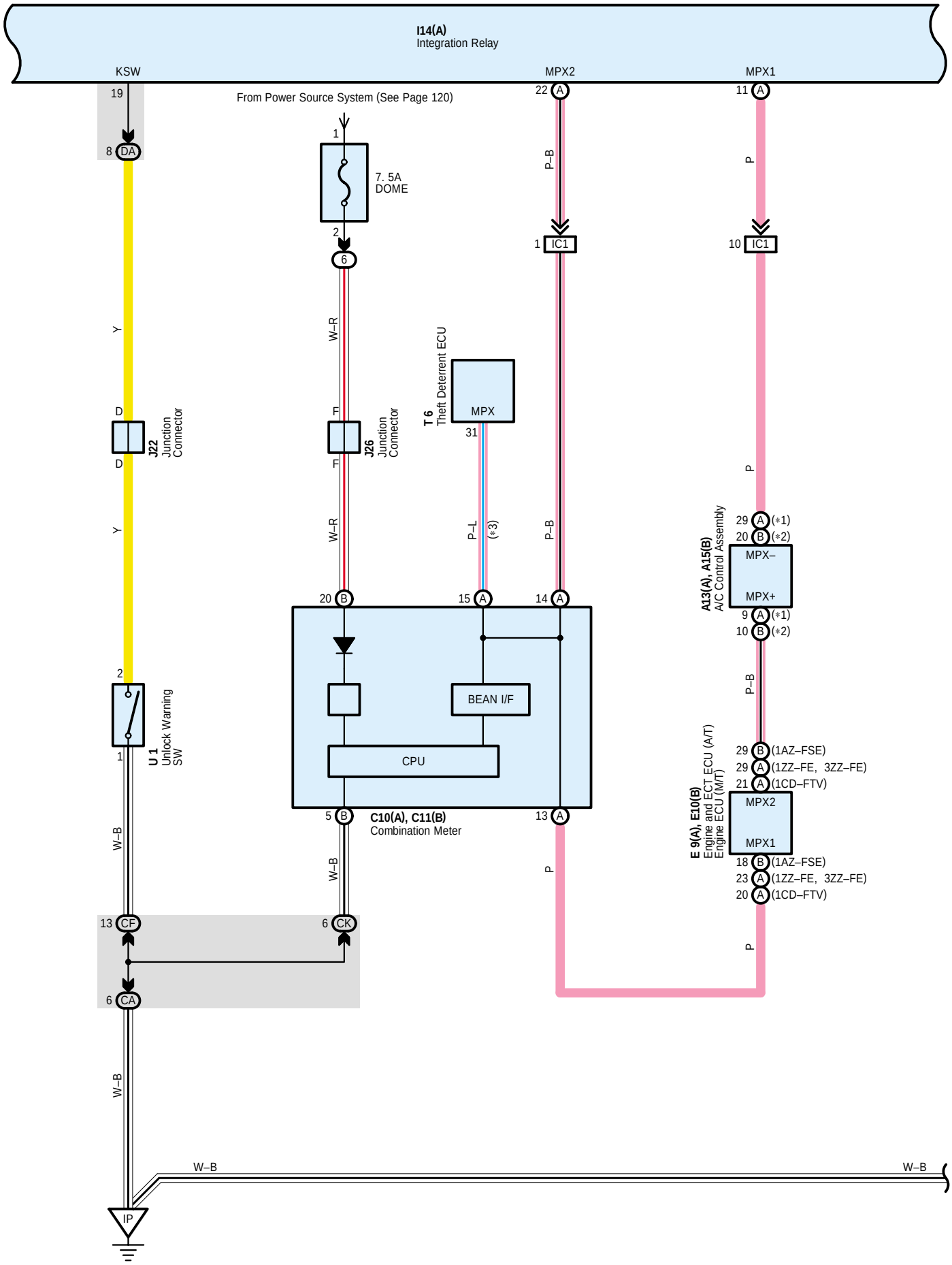
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : Power Heater (Electrical Type)
* 4 : Power Heater (Combustion Type)
* 5 : 1AZ–FSE, 1CD–FTV
* 6 : 1AZ–FE, 1ZZ–FE, 3ZZ–FE
* 7 : 1ZZ–FE, 3ZZ–FE
* 8 : 1AZ–FSE
* 9 : Except Automatic A/C
*10 : Automatic A/C
*11 : 1AZ–FSE, 1AZ–FE

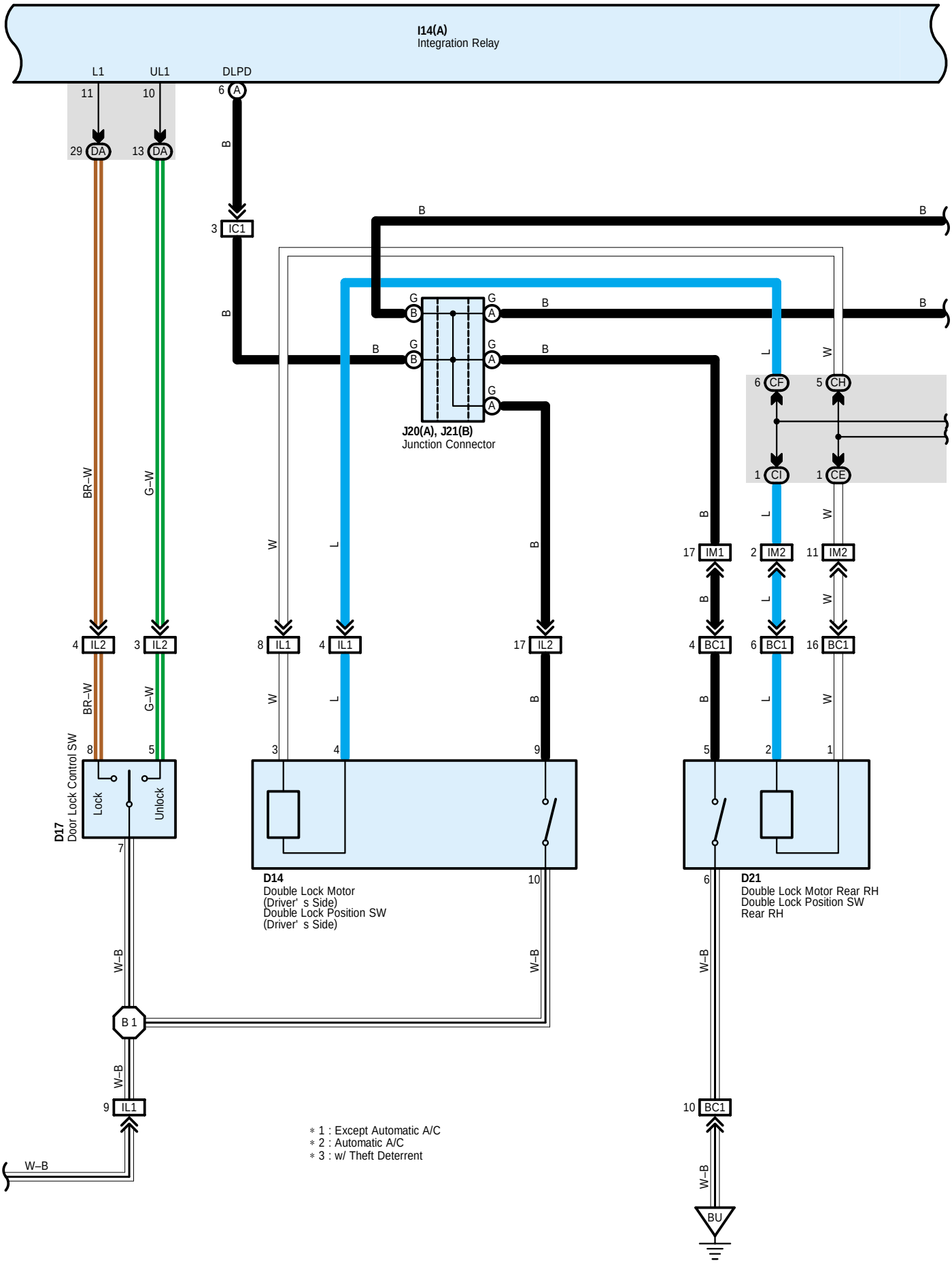
Double Locking

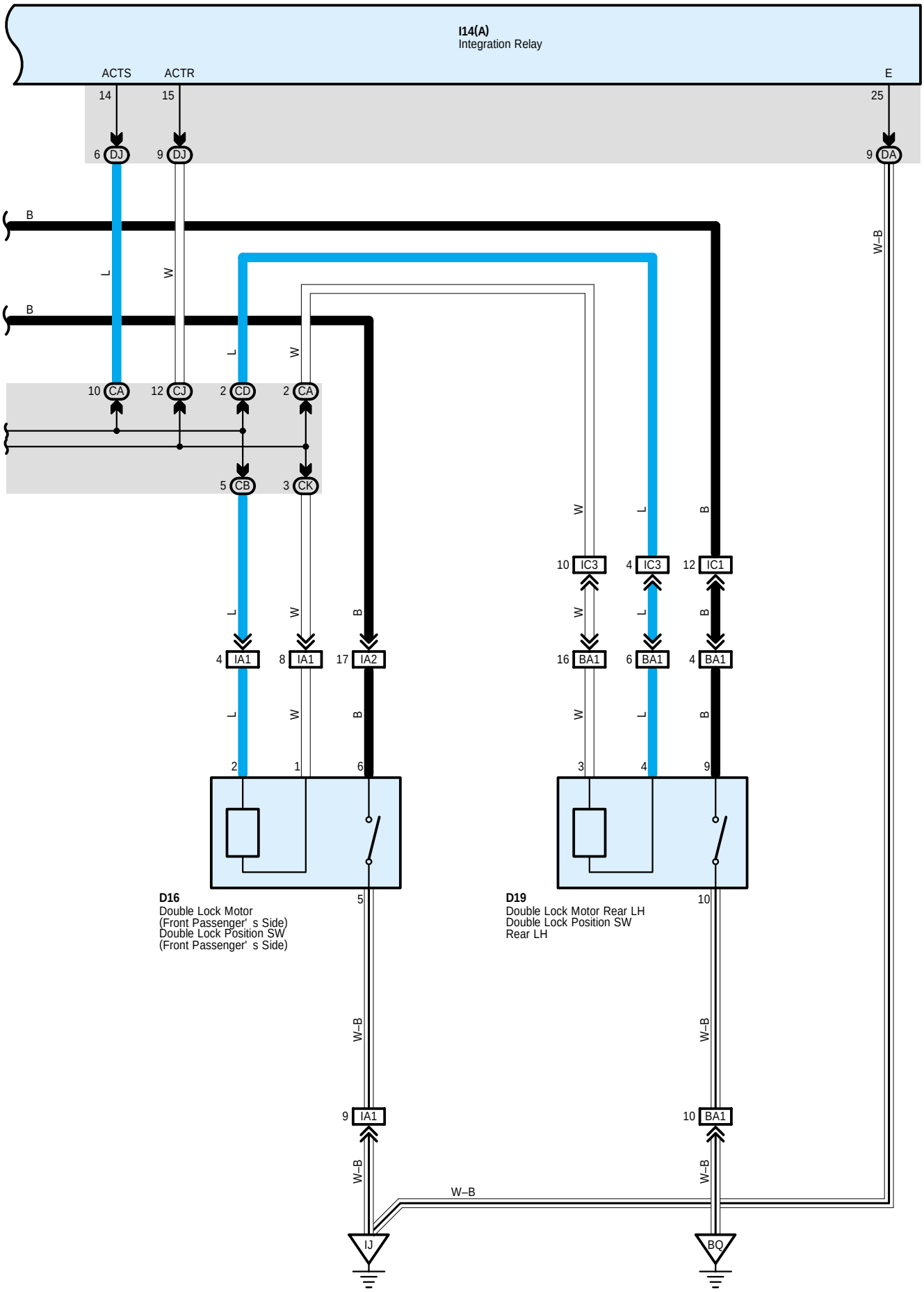



I14(A)
Integration Relay
LGCY
DCTY
PCTY
RCTY
BDCY
1 A
17
9
16
12 A
13 DB
9 DC
12 DM
13 DM
R–Y (S/D)
R
W–G
R–Y (L/B, W/G)
A
J32
Junction Connector
A
5 CE
1 CA
R
R
R
A
J32
Junction Connector
A
8 BD2 (L/B)
2 BF2 (W/G)
4 IC2
W–G
W–G
R–Y (L/B)
R–Y (W/G)
R–Y (S/D)
9 IM1
14 IC2
18 IM1
8 BE2
5 BG2
R–Y (L/B)
R–Y (W/G)
R
R
W–G
2
1
1
1
1
2
L 3
Luggage Compartment Light SW
D10
Door Courtesy SW Front RH
D 9
Door Courtesy SW Front LH
D11
Door Courtesy SW Rear LH
D12
Door Courtesy SW Rear RH
B 7
Back Door Courtesy SW
3
W–B (S/D)
1
W–B (L/B, W/G)
B A
C B
J30(A), J31(B)
Junction Connector
A
A
J34
Junction Connector
W–B (S/D)
W–B (L/B, W/G)
BS
BX

Double Locking

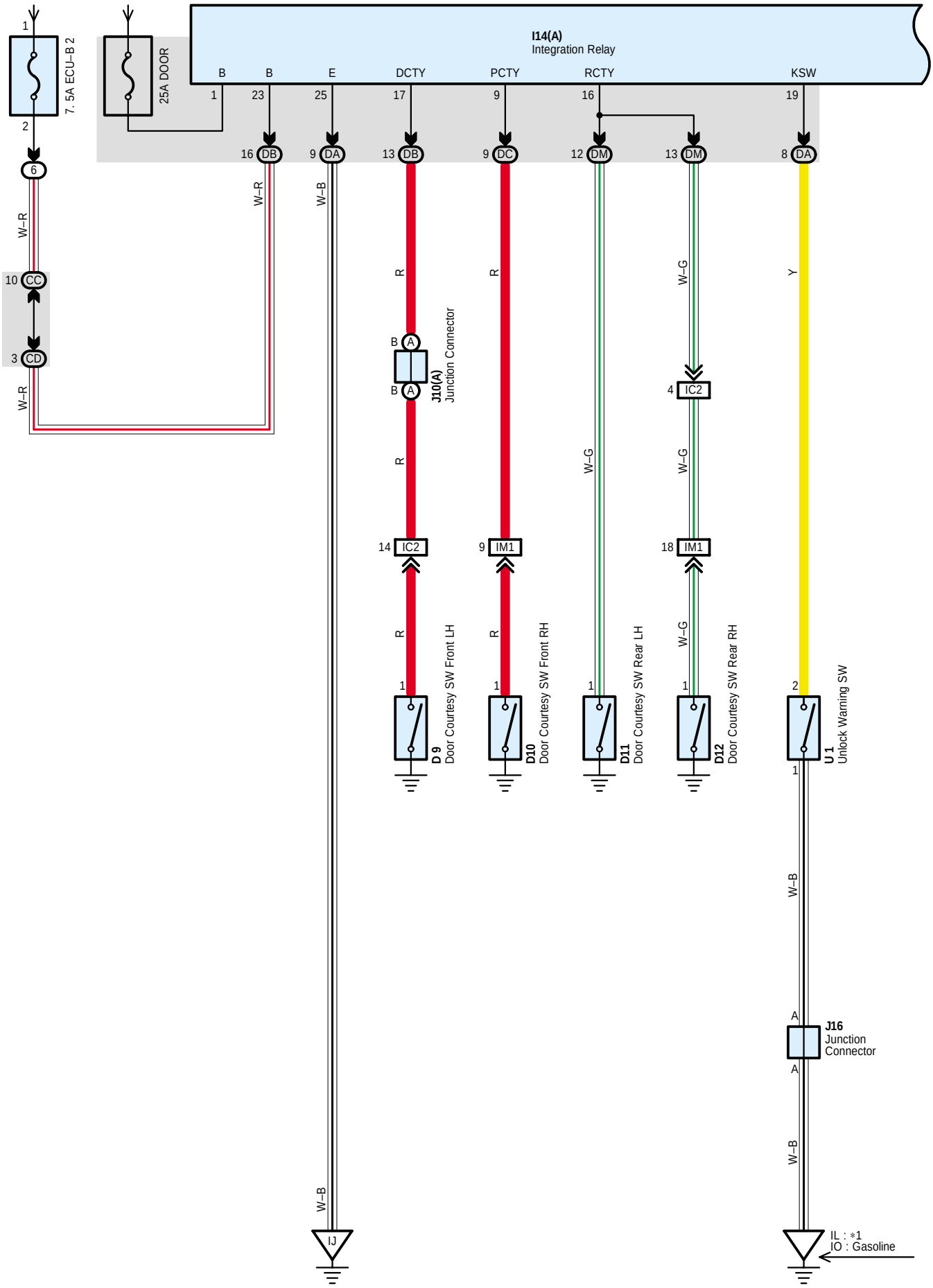


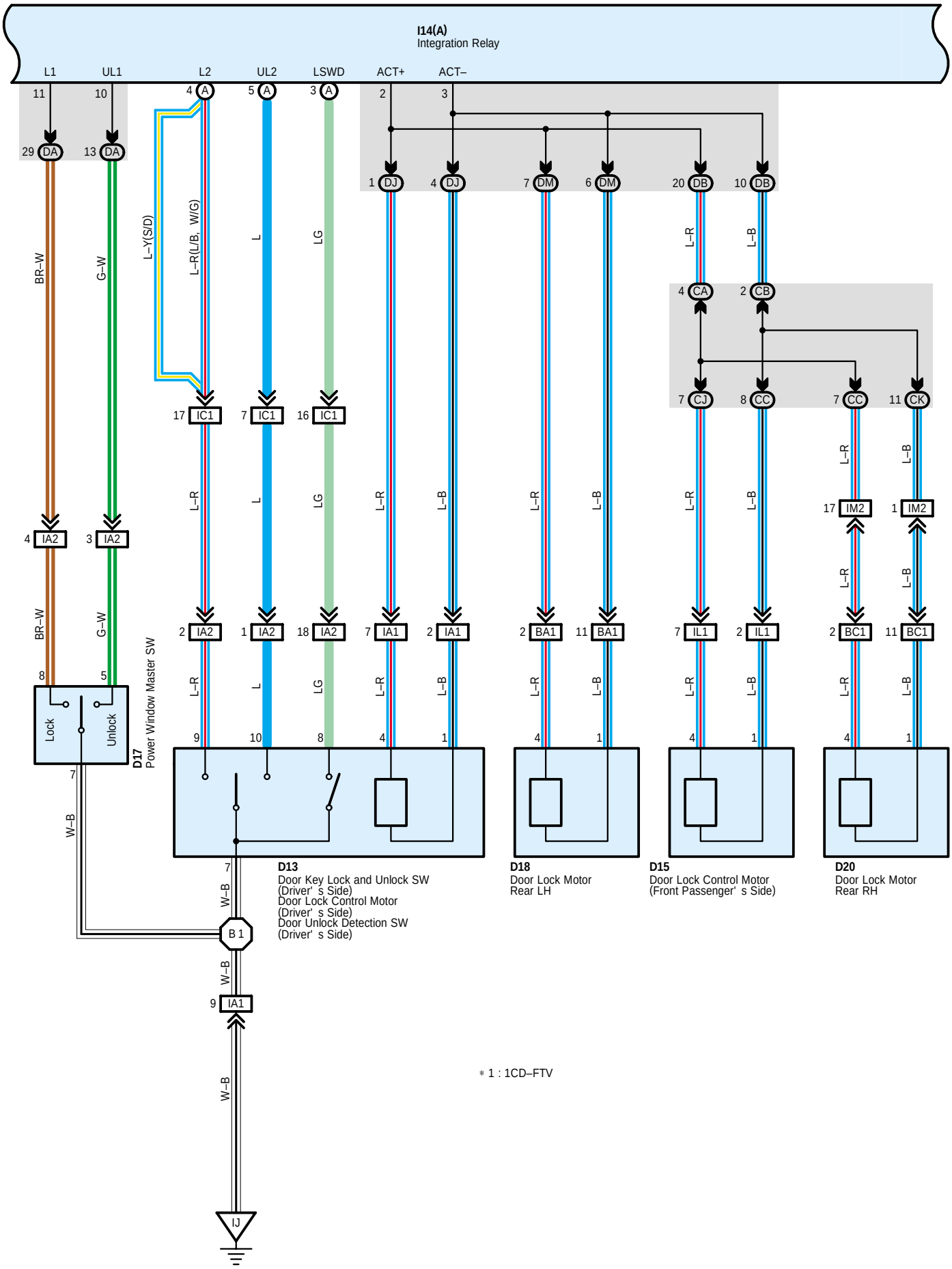

I14(A)
Integration Relay
L1
UL1
DLPD
11
10
6 A
29 DA
13 DA
B
3 IC1
B
B
B
G
B
A
J20(A), J21(B)
Junction Connector
6 CF
5 CH
1 CI
1 CE
L
W
BR–W
G–W
17 IM1
2 IM2
11 IM2
4 IL2
3 IL2
8 IL1
4 IL1
17 IL2
4 BC1
6 BC1
16 BC1
W
L
B
8
5
3
4
9
5
2
1
D17
Door Lock Control SW
Lock
Unlock
7
D14
Double Lock Motor
(Driver' s Side)
Double Lock Position SW
(Driver' s Side)
10
6
D21
Double Lock Motor Rear RH
Double Lock Position SW
Rear RH
W–B
B 1
9 IL1
10 BC1
BU
W–B
∗ 1 : Except Automatic A/C
∗ 2 : Automatic A/C
∗ 3 : w/ Theft Deterrent

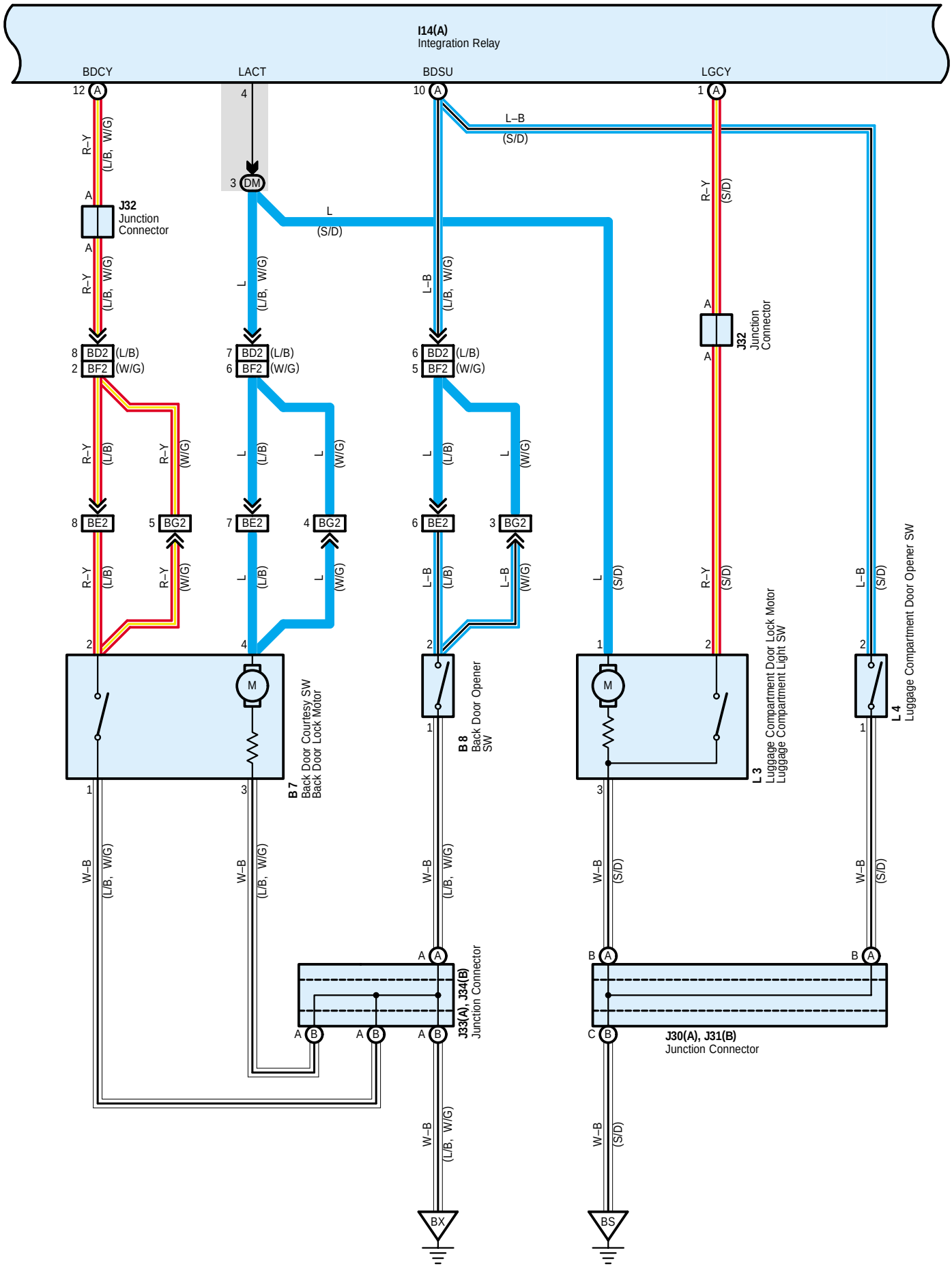

I14(A)
Integration Relay
ACTS
ACTR
E
14
15
25
6 DJ
9 DJ
9 DA
B
L
W
W–B
10 CA
12 CJ
2 CD
2 CA
5 CB
3 CK
4 IA1
8 IA1
17 IA2
10 IC3
4 IC3
12 IC1
16 BA1
6 BA1
4 BA1
2
1
6
3
4
9
D16
Double Lock Motor
(Front Passenger' s Side)
Double Lock Position SW
(Front Passenger' s Side)
D19
Double Lock Motor Rear LH
Double Lock Position SW
Rear LH
5
10
9 IA1
10 BA1
IJ
BQ

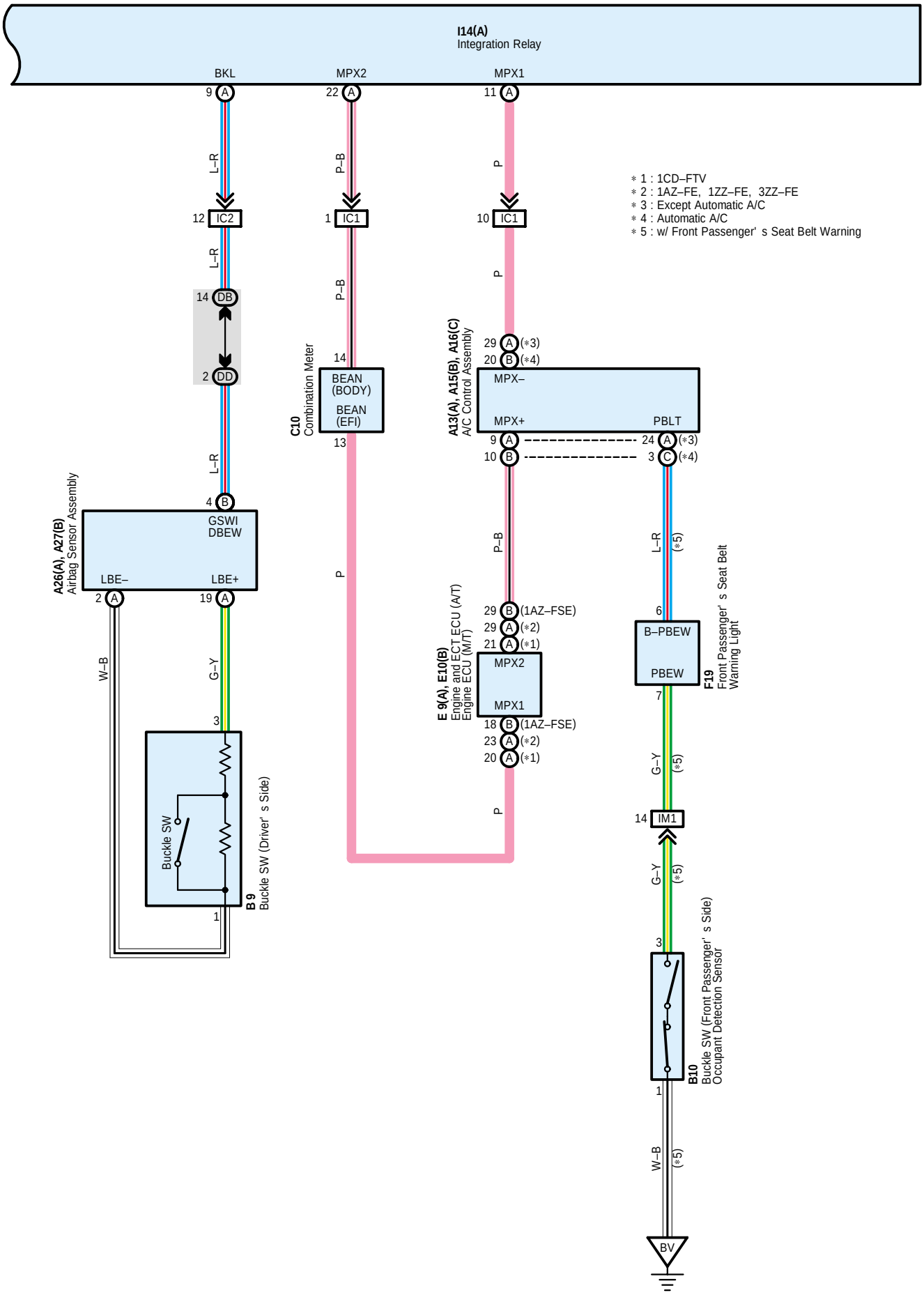
Door Lock Control (LHD)

From Power Source System (See Page 120)

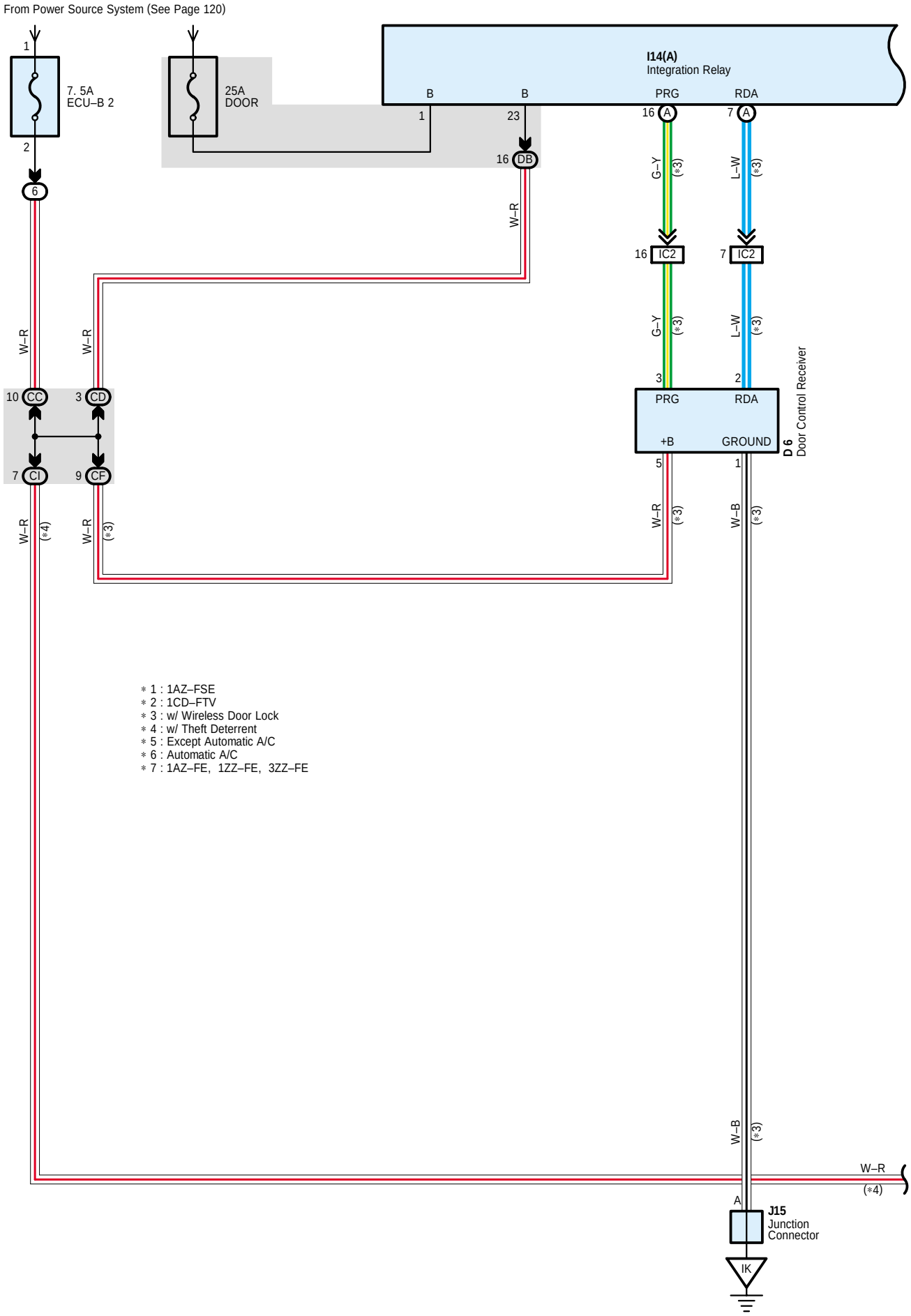


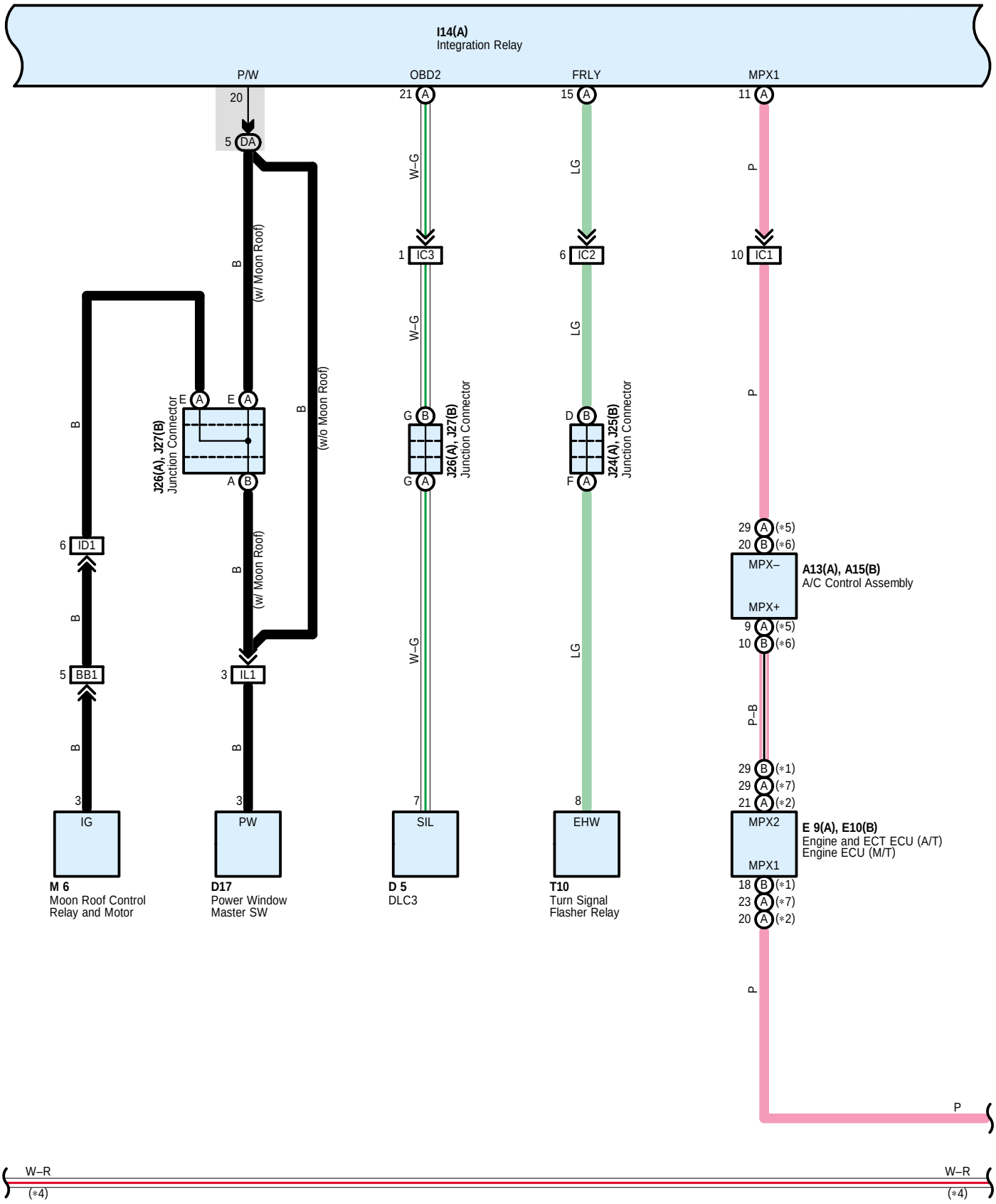

I14(A)
Integration Relay
L1
UL1
L2
UL2
LSWD
ACT+
ACT–
11
10
4 A
5 A
3 A
2
3
29 DA
13 DA
1 DJ
4 DJ
7 DM
6 DM
20 DB
10 DB
BR–W
G–W
L–Y(S/D)
L–R(L/B, W/G)
L
LG
L–R
L–B
4 CA
2 CB
17 IC1
7 IC1
16 IC1
7 CJ
8 CC
7 CC
11 CK
4 IA2
3 IA2
17 IM2
1 IM2
2 IA2
1 IA2
18 IA2
7 IA1
2 IA1
2 BA1
11 BA1
7 IL1
2 IL1
2 BC1
11 BC1
8
5
9
10
8
4
1
Lock
Unlock
D17
Power Window Master SW
7
W–B
B 1
9 IA1
IJ
D13
Door Key Lock and Unlock SW
(Driver' s Side)
Door Lock Control Motor
(Driver' s Side)
Door Unlock Detection SW
(Driver' s Side)
D18
Door Lock Motor
Rear LH
D15
Door Lock Control Motor
(Front Passenger' s Side)
D20
Door Lock Motor
Rear RH
* 1 : 1CD–FTV


I14(A)
Integration Relay
BDCY
LACT
BDSU
LGCY
J32
Junction Connector
J32
Junction Connector
B7
Back Door Courtesy SW
Back Door Lock Motor
B8
Back Door Opener SW
L3
Luggage Compartment Door Lock Motor
Luggage Compartment Light SW
L4
Luggage Compartment Door Opener SW
J33(A), J34(B)
Junction Connector
J30(A), J31(B)
Junction Connector
BX
BS

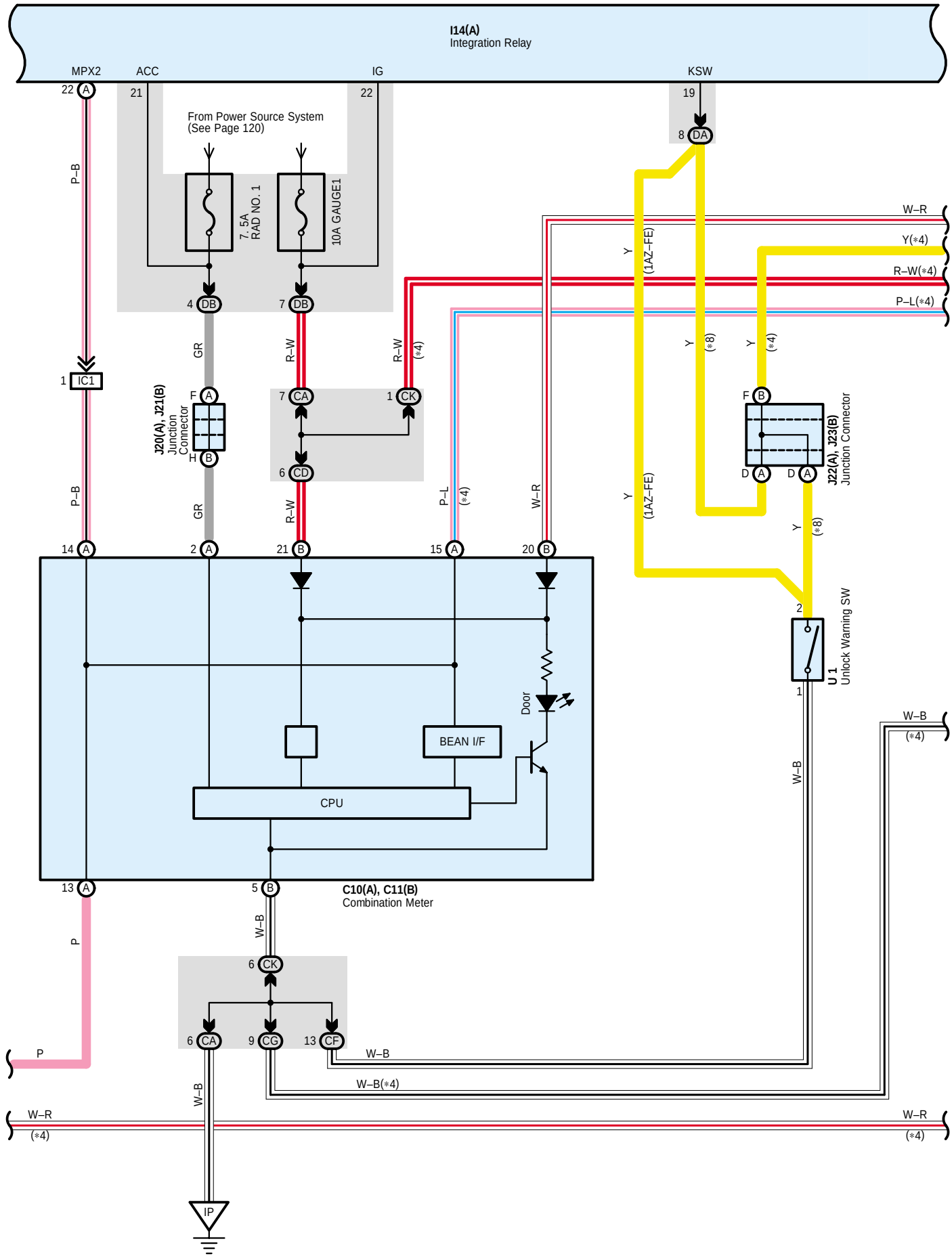

I14(A)
Integration Relay
BKL
MPX2
MPX1
9 A
22 A
11 A
L–R
P–B
P
12 IC2
1 IC1
10 IC1
L–R
P–B
P
14 DB
2 DD
L–R
P
14
BEAN (BODY)
BEAN (EFI)
13
C10
Combination Meter
29 A (*3)
20 B (*4)
MPX–
MPX+
PBLT
A13(A), A15(B), A16(C)
A/C Control Assembly
9 A
10 B
24 A (*3)
3 C (*4)
4 B
GSWI
DBEW
A26(A), A27(B)
Airbag Sensor Assembly
LBE–
LBE+
2 A
19 A
P–B
L–R
(*5)
29 B (1AZ–FSE)
29 A (*2)
21 A (*1)
MPX2
MPX1
18 B (1AZ–FSE)
23 A (*2)
20 A (*1)
E 9(A), E10(B)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
6
B–PBEW
PBEW
7
F19
Front Passenger' s Seat Belt Warning Light
W–B
G–Y
3
G–Y
(*5)
14 IM1
G–Y
(*5)
3
Buckle SW
1
B 9
Buckle SW (Driver' s Side)
B10
Buckle SW (Front Passenger' s Side)
Occupant Detection Sensor
1
W–B
(*5)
BV
* 1 : 1CD–FTV
* 2 : 1AZ–FE, 1ZZ–FE, 3ZZ–FE
* 3 : Except Automatic A/C
* 4 : Automatic A/C
* 5 : w/ Front Passenger' s Seat Belt Warning

Door Lock Control (RHD) and Theft Deterrent



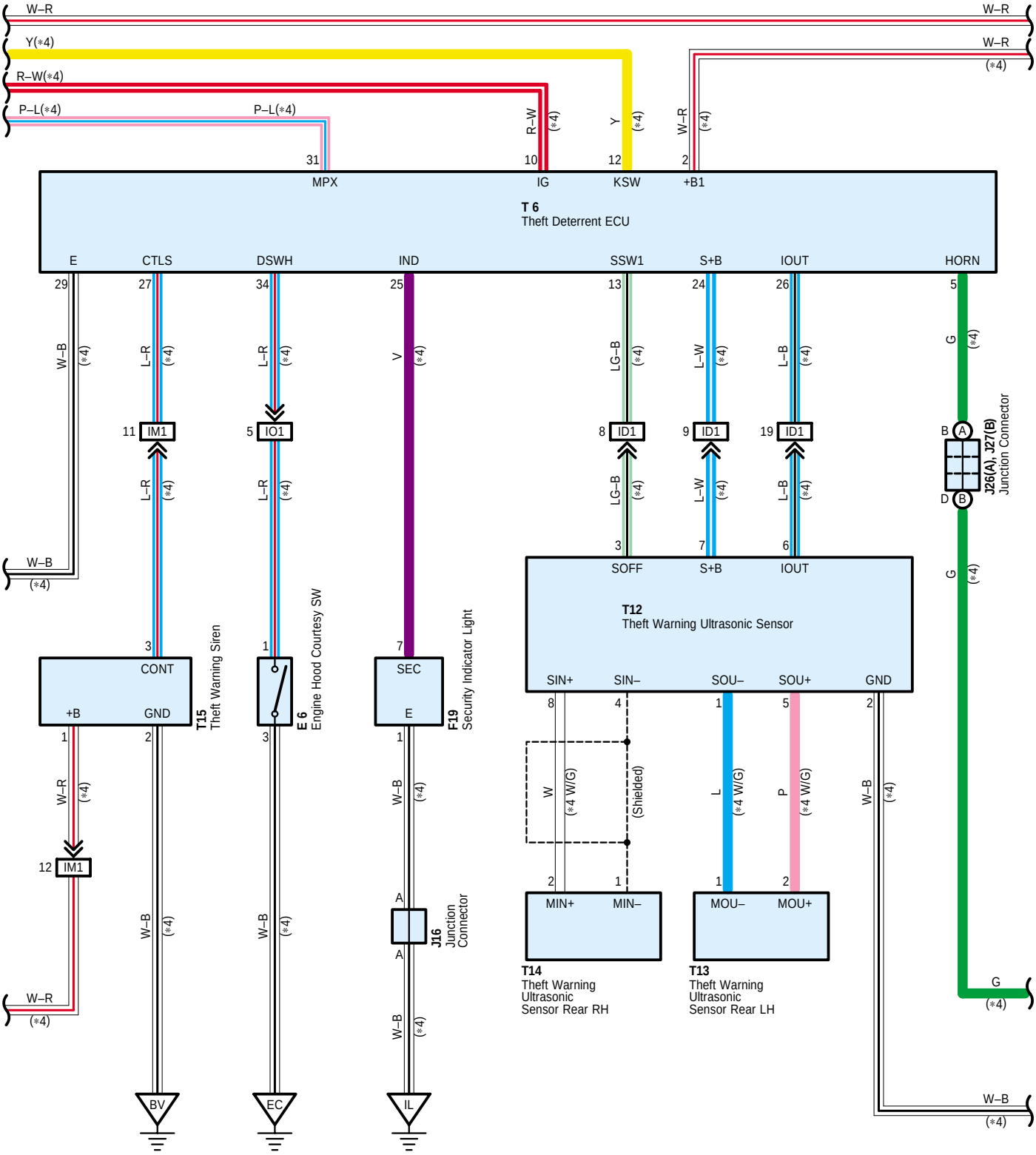

I14(A)
Integration Relay
P/W
OBD2
FRLY
MPX1
20
5 DA
21 A
15 A
11 A
W–G
LG
P
1 IC3
6 IC2
10 IC1
B
(w/ Moon Roof)
(w/o Moon Roof)
J26(A), J27(B)
Junction Connector
E A
A B
G B
G A
J26(A), J27(B)
Junction Connector
D B
F A
J24(A), J25(B)
Junction Connector
6 ID1
5 BB1
3 IL1
3
IG
PW
SIL
EHW
7
8
M 6
Moon Roof Control
Relay and Motor
D17
Power Window
Master SW
D 5
DLC3
T10
Turn Signal
Flasher Relay
29 A (*5)
20 B (*6)
MPX–
MPX+
A13(A), A15(B)
A/C Control Assembly
9 A (*5)
10 B (*6)
P–B
29 B (*1)
29 A (*7)
21 A (*2)
MPX2
MPX1
E 9(A), E10(B)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
18 B (*1)
23 A (*7)
20 A (*2)
W–R
(*4)
W–R
(*4)

Door Lock Control (RHD) and Theft Deterrent

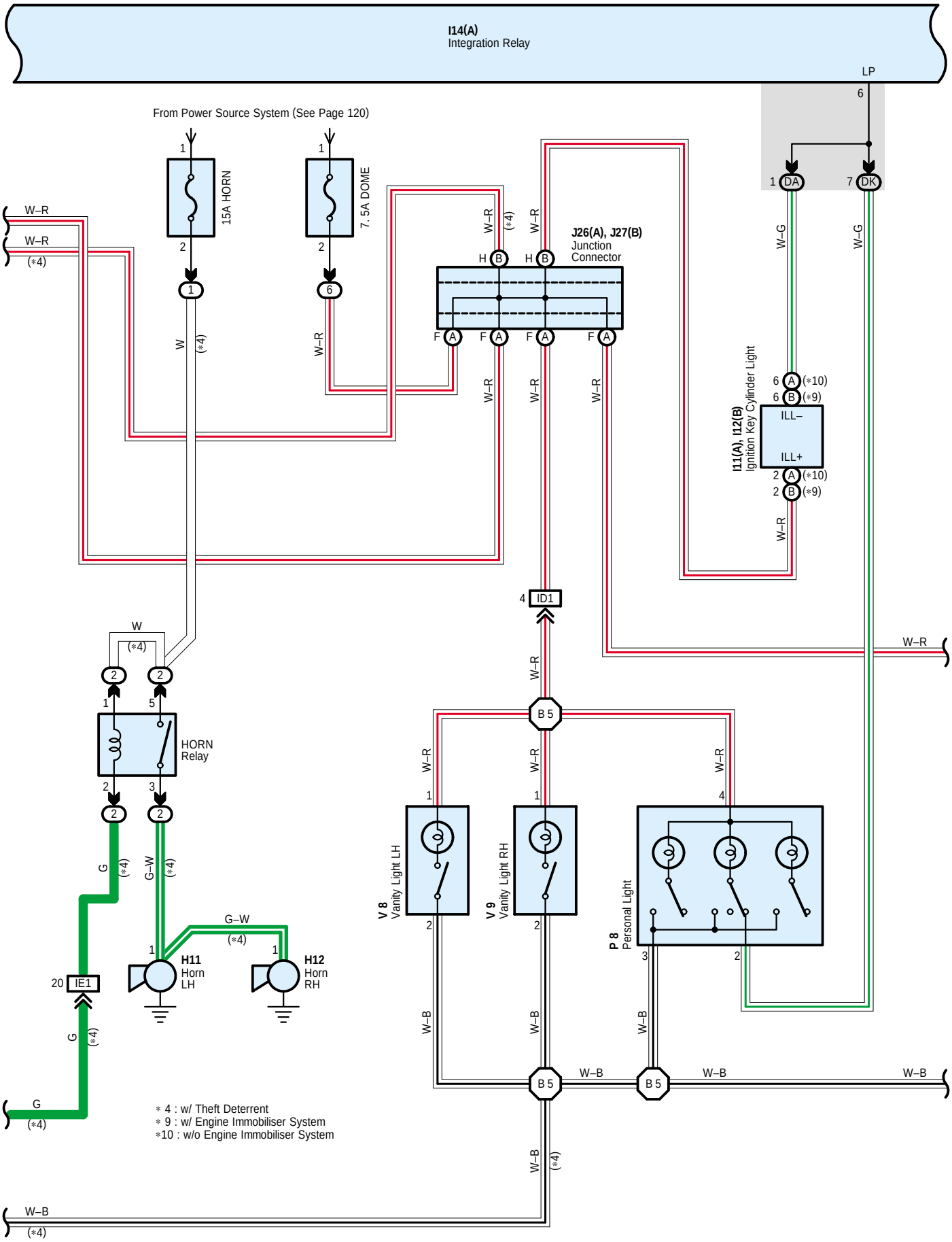


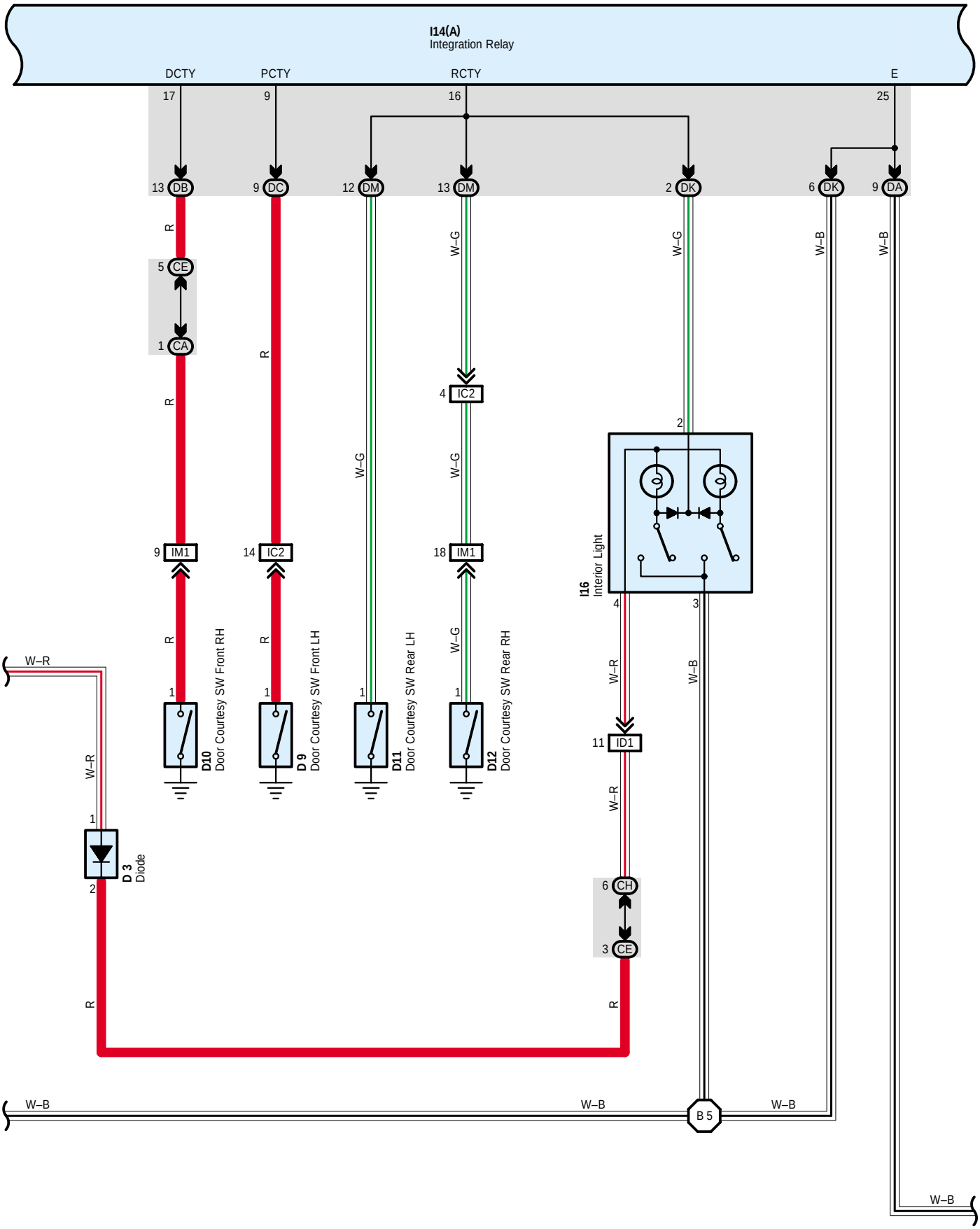
I14(A)
Integration Relay

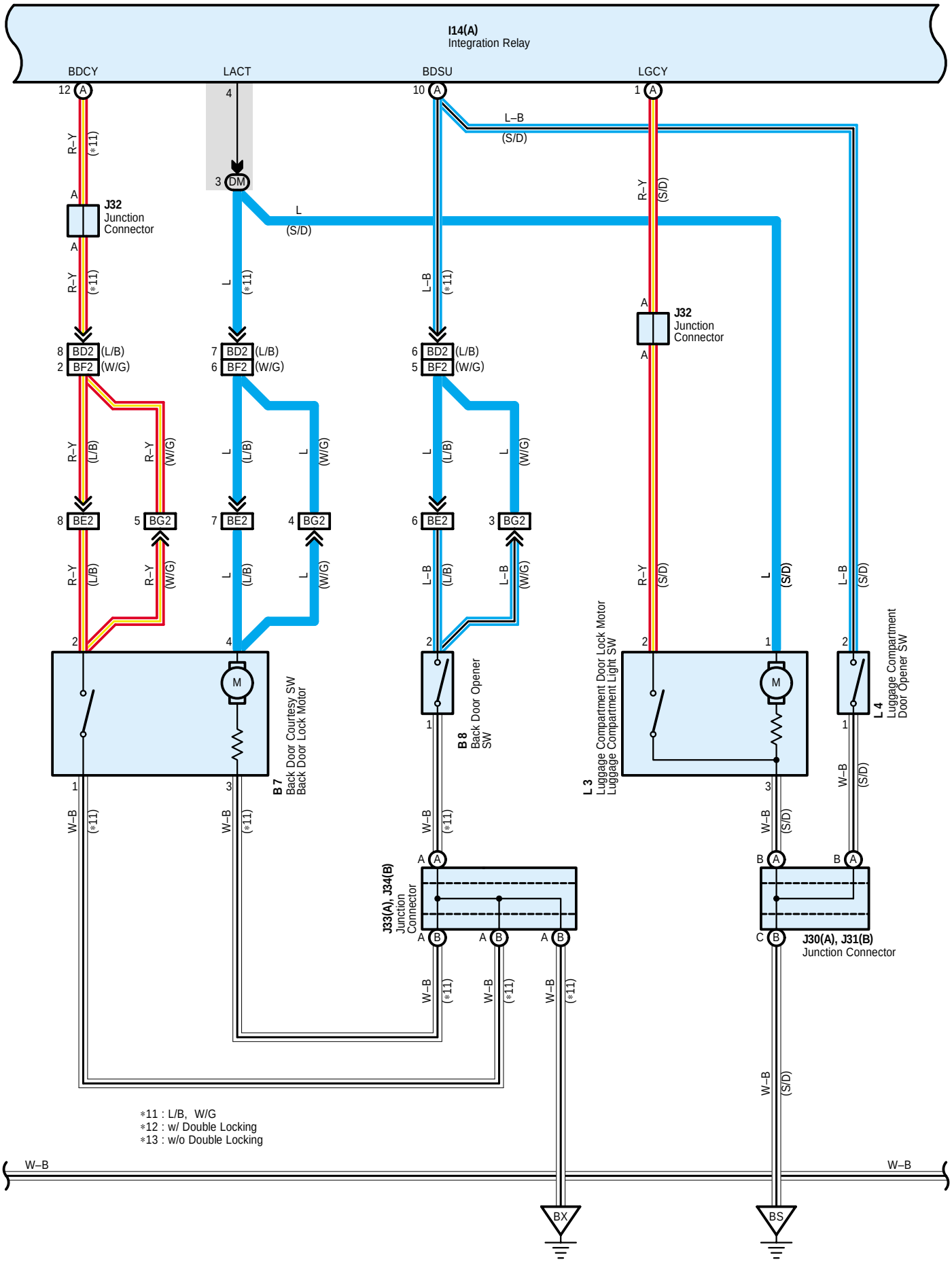
∗ 4 : w/ Theft Deterrent
∗ 8 : Except 1AZ–FE

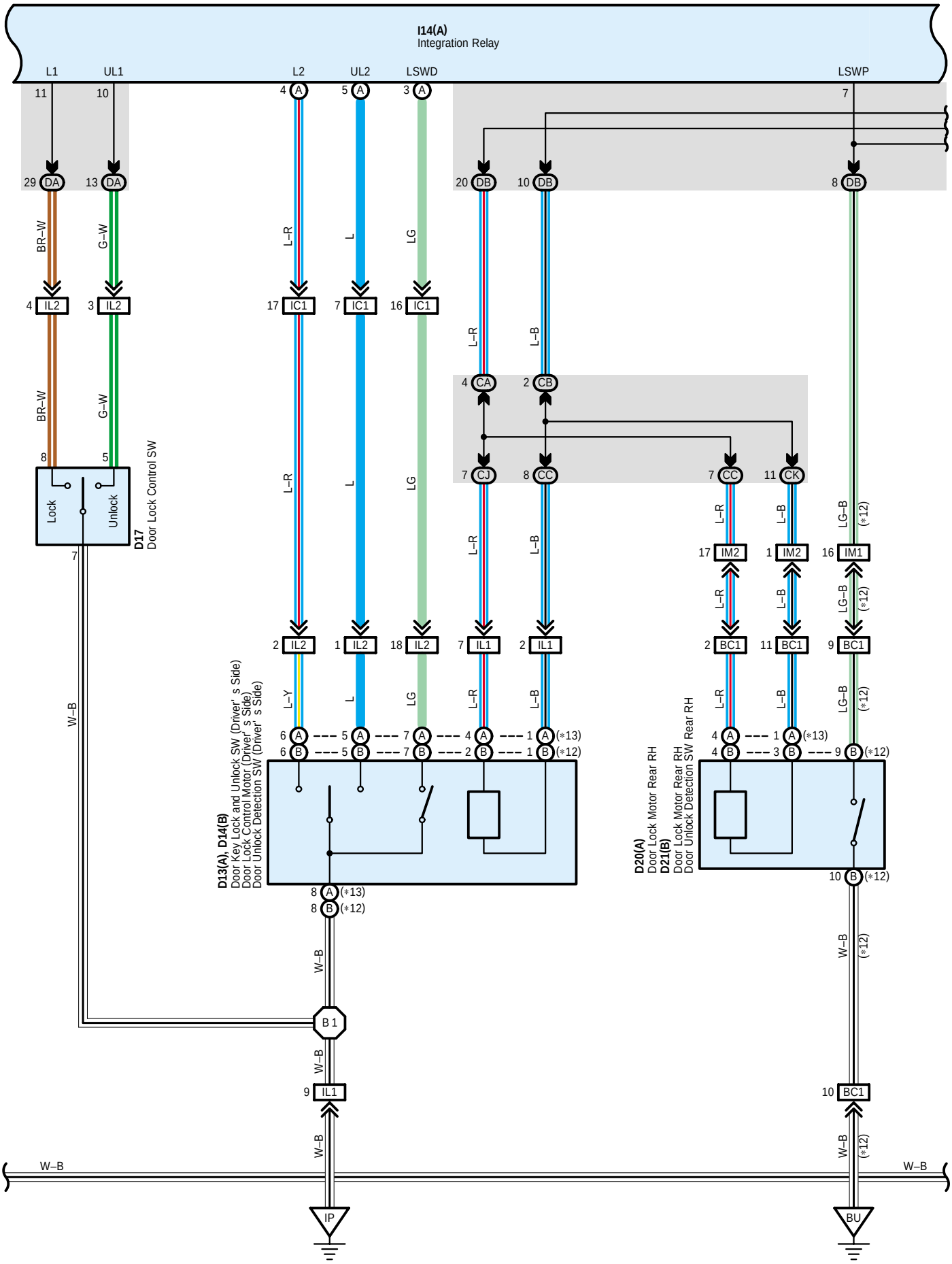


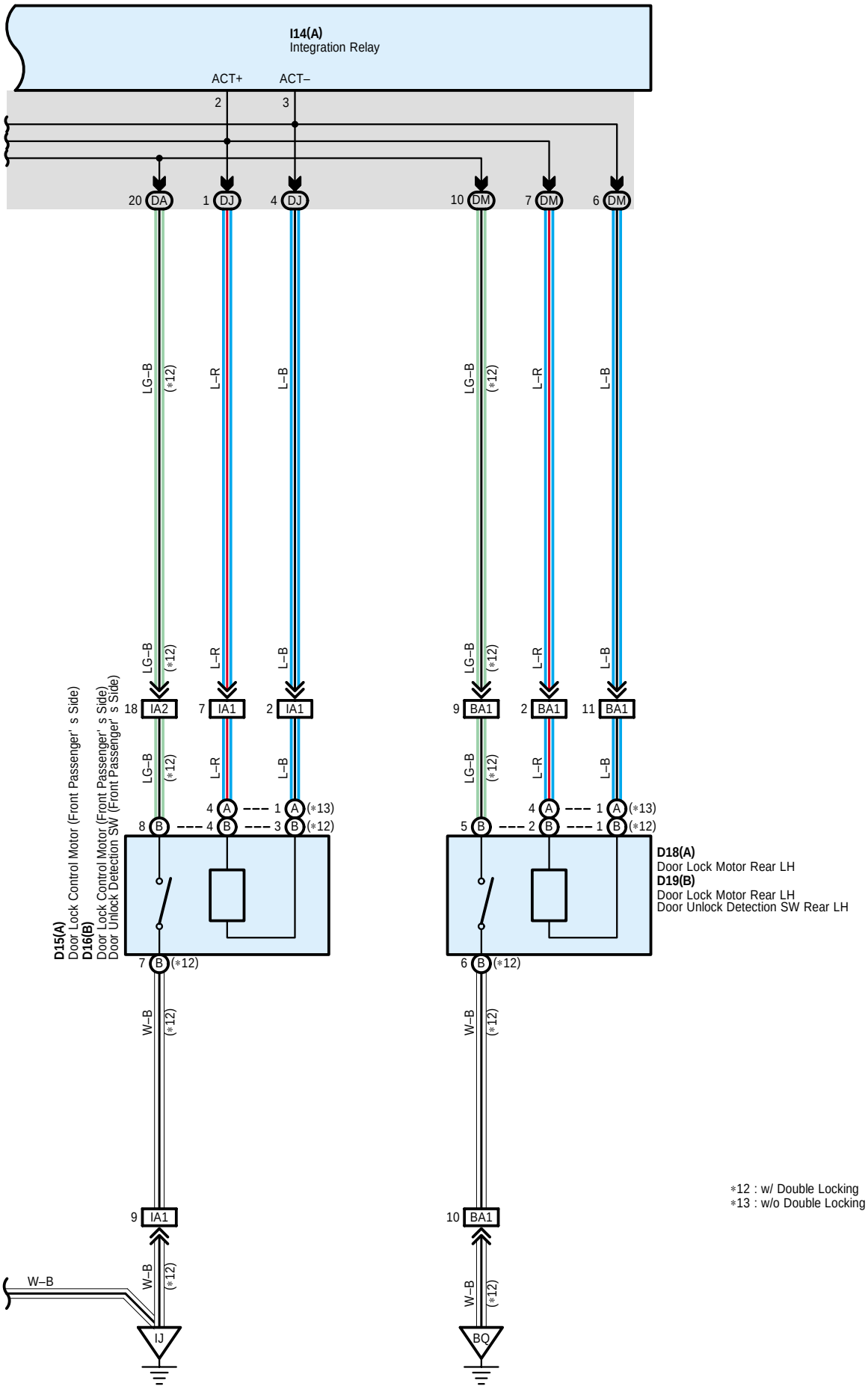
Door Lock Control (RHD) and Theft Deterrent



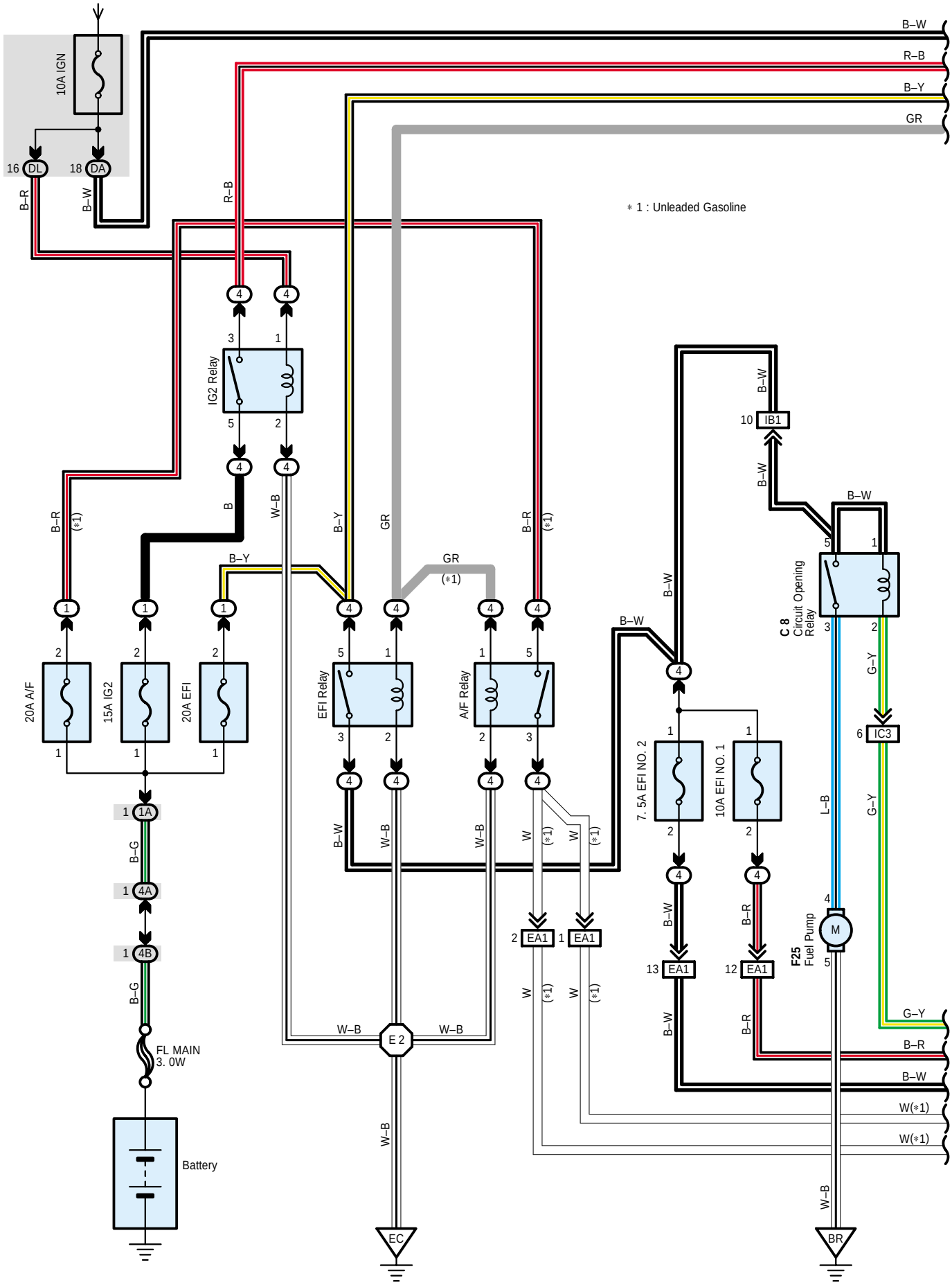

I14(A)
Integration Relay
DCTY
PCTY
RCTY
E
17
9
16
25
13 DB
9 DC
12 DM
13 DM
2 DK
6 DK
9 DA
R
W–G
W–B
5 CE
1 CA
4 IC2
2
9 IM1
14 IC2
18 IM1
I16
Interior Light
4
3
W–R
W–B
D10
Door Courtesy SW Front RH
D 9
Door Courtesy SW Front LH
D11
Door Courtesy SW Rear LH
D12
Door Courtesy SW Rear RH
11 ID1
6 CH
3 CE
D 3
Diode
B 5

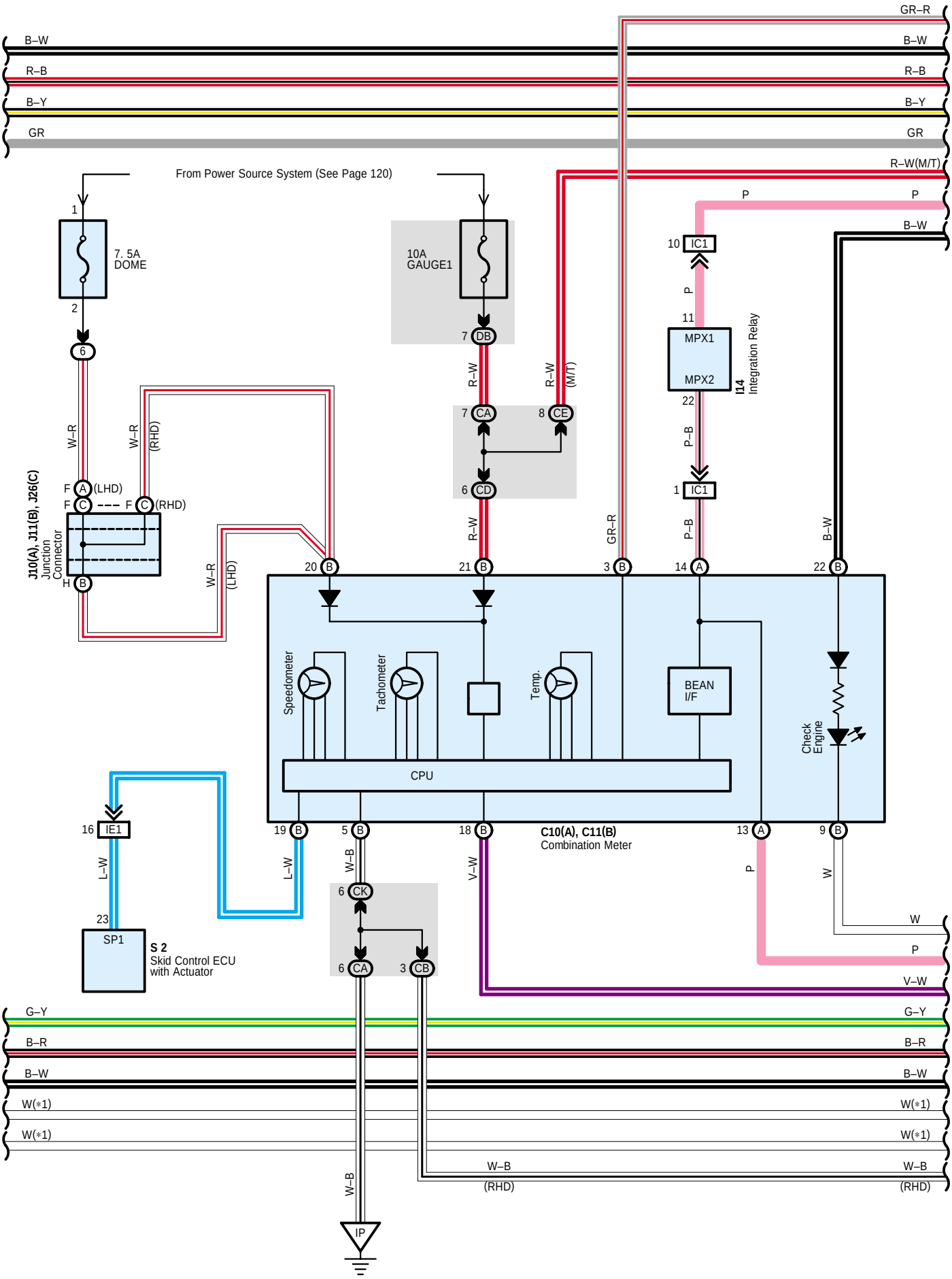

I14(A)
Integration Relay
BDCY
LACT
BDSU
LGCY
J32
Junction
Connector
BD2
BF2
BE2
BG2
(L/B)
(W/G)
(S/D)
(*11)
B7
Back Door Courtesy SW
Back Door Lock Motor
B8
Back Door Opener
SW
L3
Luggage Compartment Door Lock Motor
Luggage Compartment Light SW
L4
Luggage Compartment
Door Opener SW
J33(A), J34(B)
Junction
Connector
J30(A), J31(B)
Junction Connector
*11 : L/B, W/G
*12 : w/ Double Locking
*13 : w/o Double Locking
W–B
BX
BS

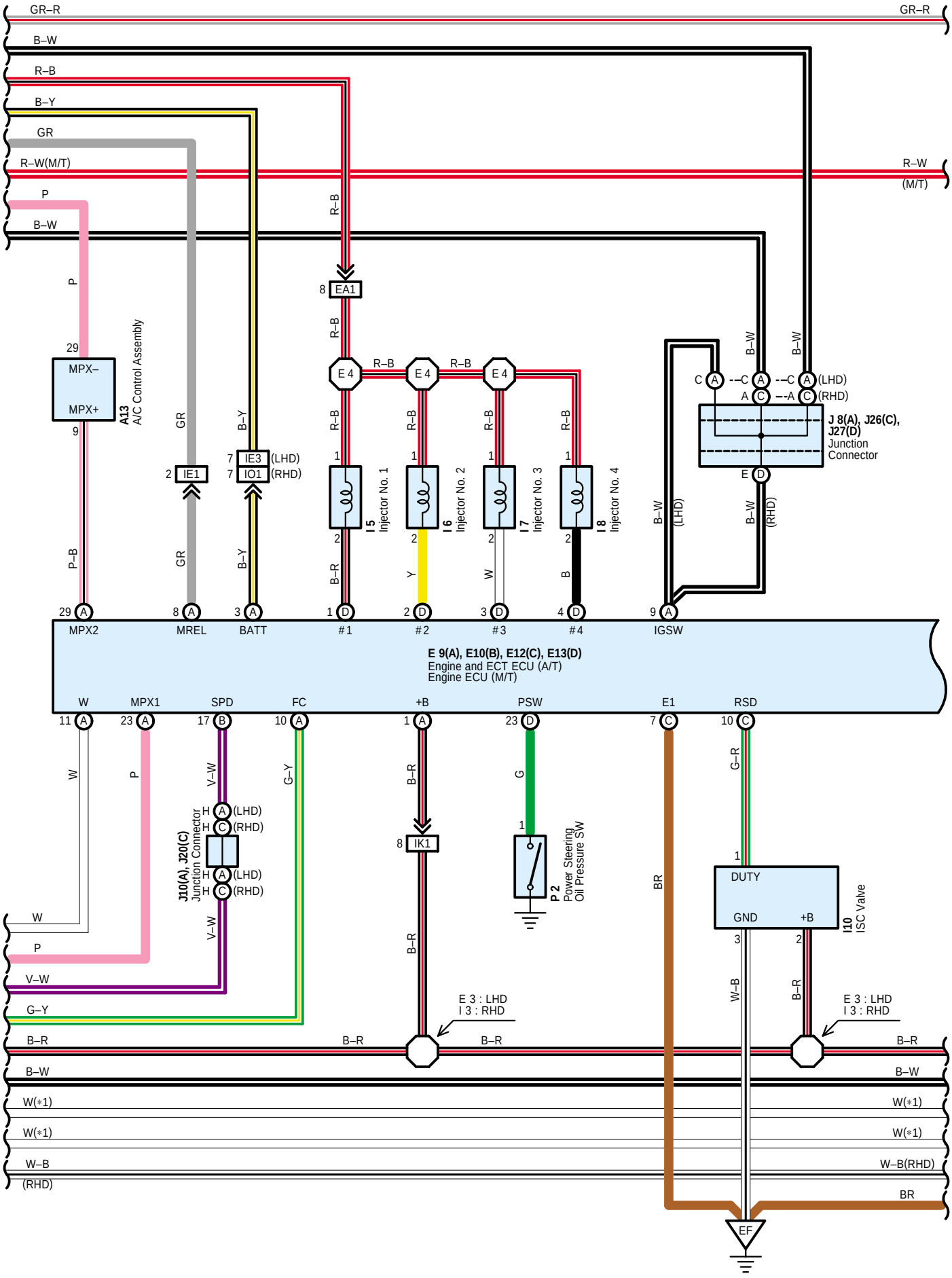

I14(A)
Integration Relay
L1
UL1
L2
UL2
LSWD
LSWP
D17
Door Lock Control SW
Lock
Unlock
D13(A), D14(B)
Door Key Lock and Unlock SW (Driver' s Side)
Door Lock Control Motor (Driver' s Side)
Door Unlock Detection SW (Driver' s Side)
D20(A)
Door Lock Motor Rear RH
D21(B)
Door Lock Motor Rear RH
Door Unlock Detection SW Rear RH
B 1
IP
BU
BR–W
G–W
L–R
L
LG
L–B
L–Y
W–B
LG–B
(*12)
(*13)

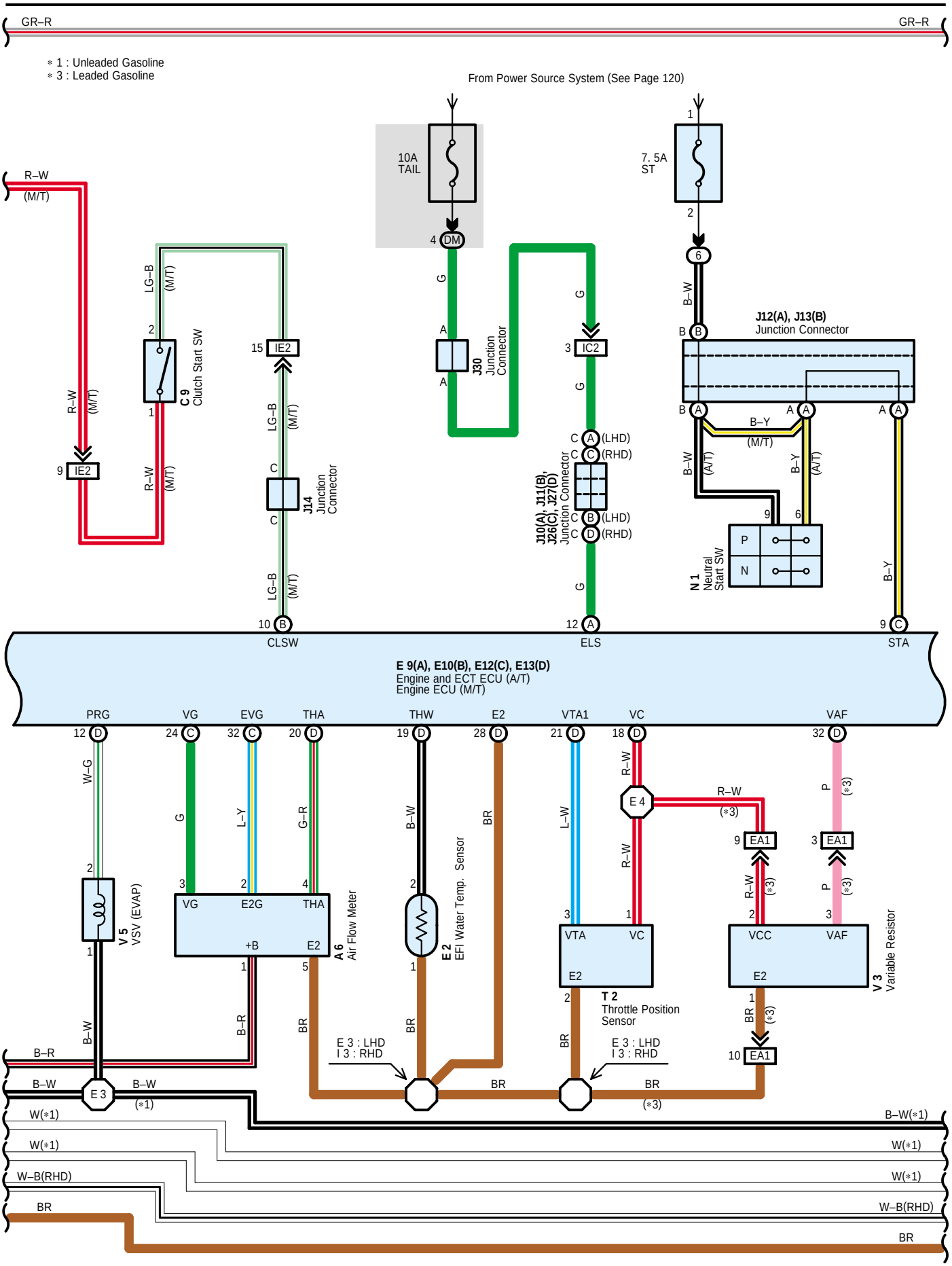

I14(A)
Integration Relay
ACT+
ACT–
2
3
20 DA
1 DJ
4 DJ
10 DM
7 DM
6 DM
LG–B (*12)
L–R
L–B
18 IA2
7 IA1
2 IA1
9 BA1
2 BA1
11 BA1
4 A 1 A (*13)
8 B 4 B 3 B (*12)
5 B 2 B 1 B (*12)
D15(A)
Door Lock Control Motor (Front Passenger' s Side)
D16(B)
Door Lock Control Motor (Front Passenger' s Side)
Door Unlock Detection SW (Front Passenger' s Side)
D18(A)
Door Lock Motor Rear LH
D19(B)
Door Lock Motor Rear LH
Door Unlock Detection SW Rear LH
7 B (*12)
6 B (*12)
W–B (*12)
9 IA1
10 BA1
W–B
IJ
BQ
*12 : w/ Double Locking
*13 : w/o Double Locking

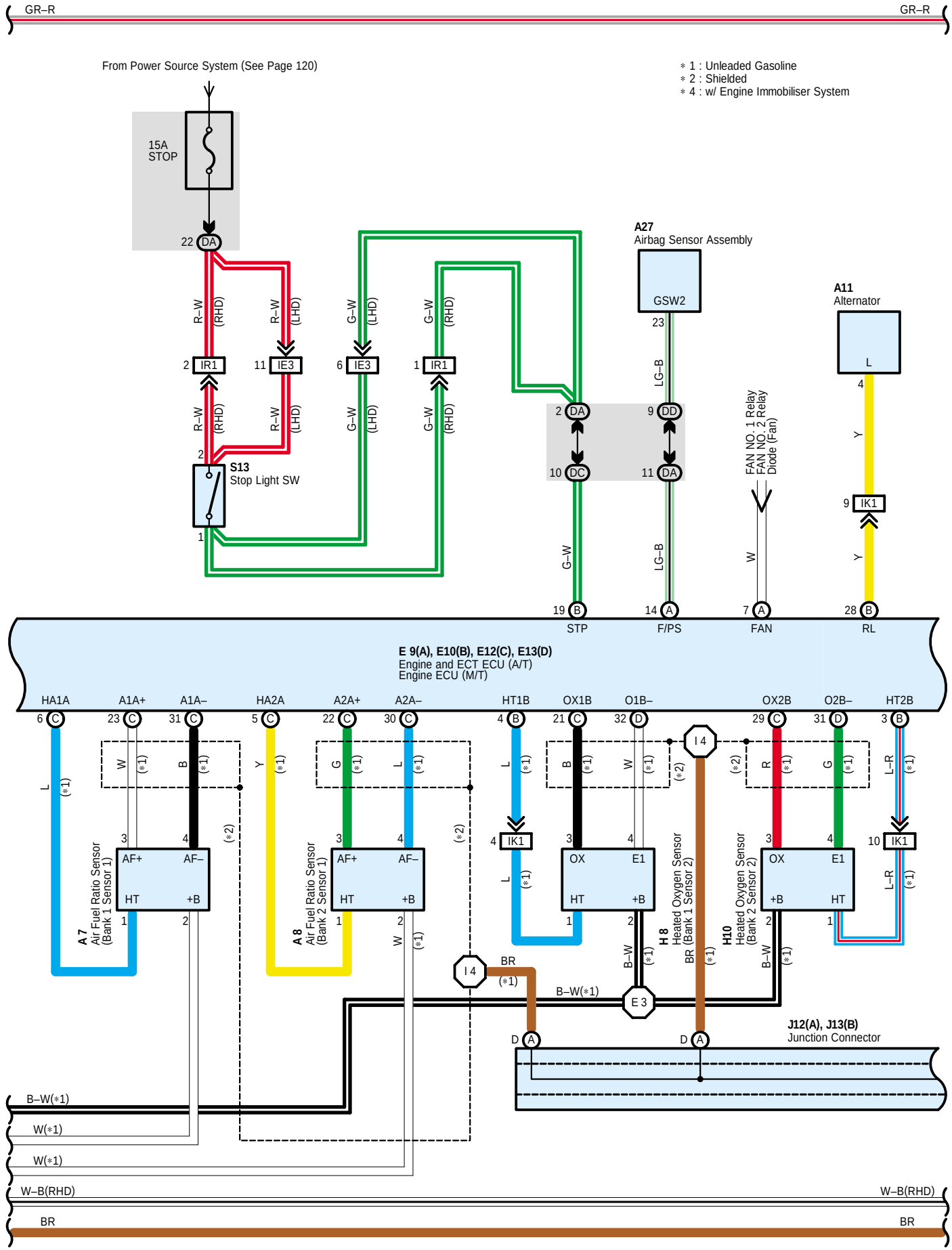
From Power Source System (See Page 120)

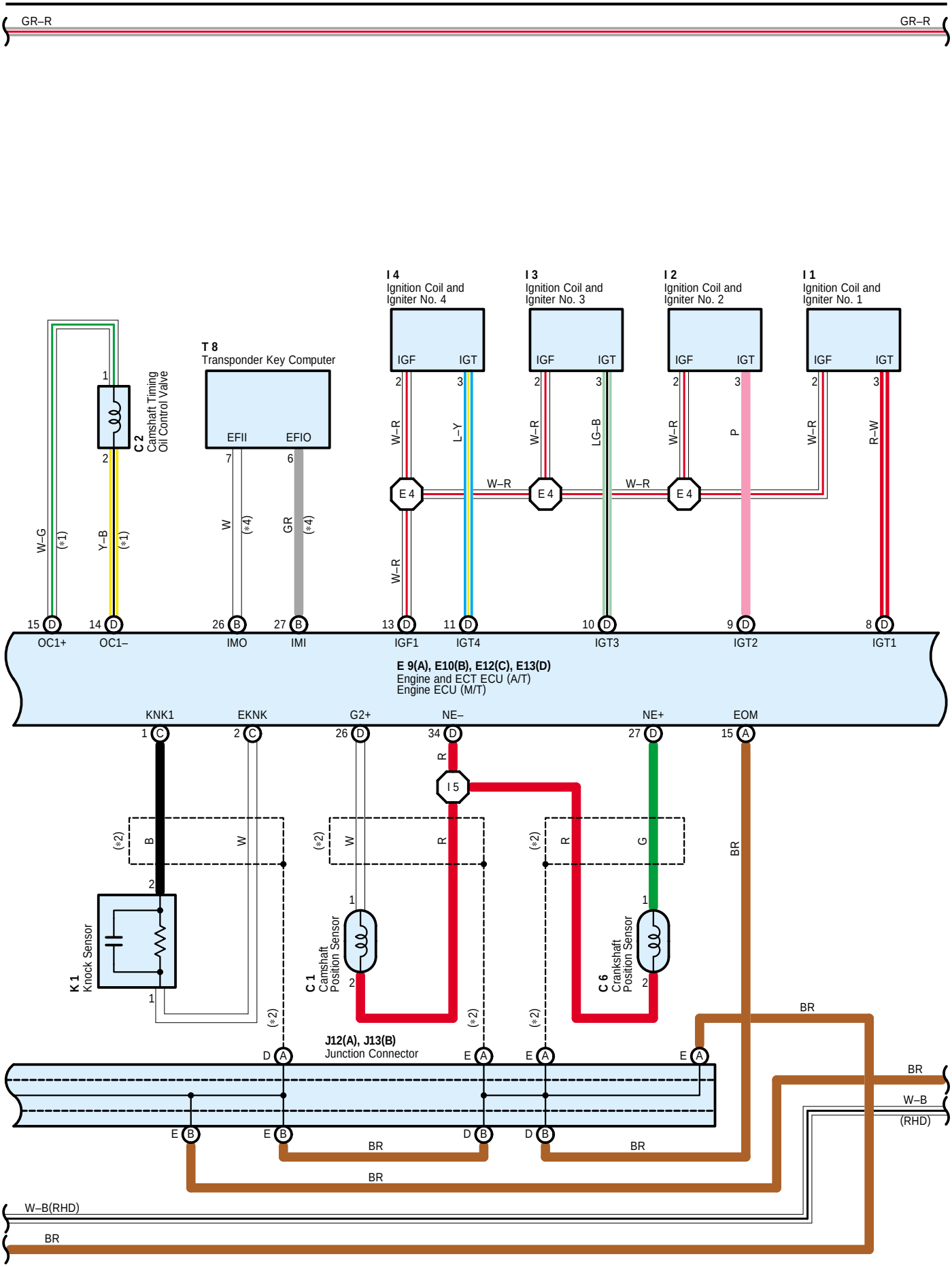


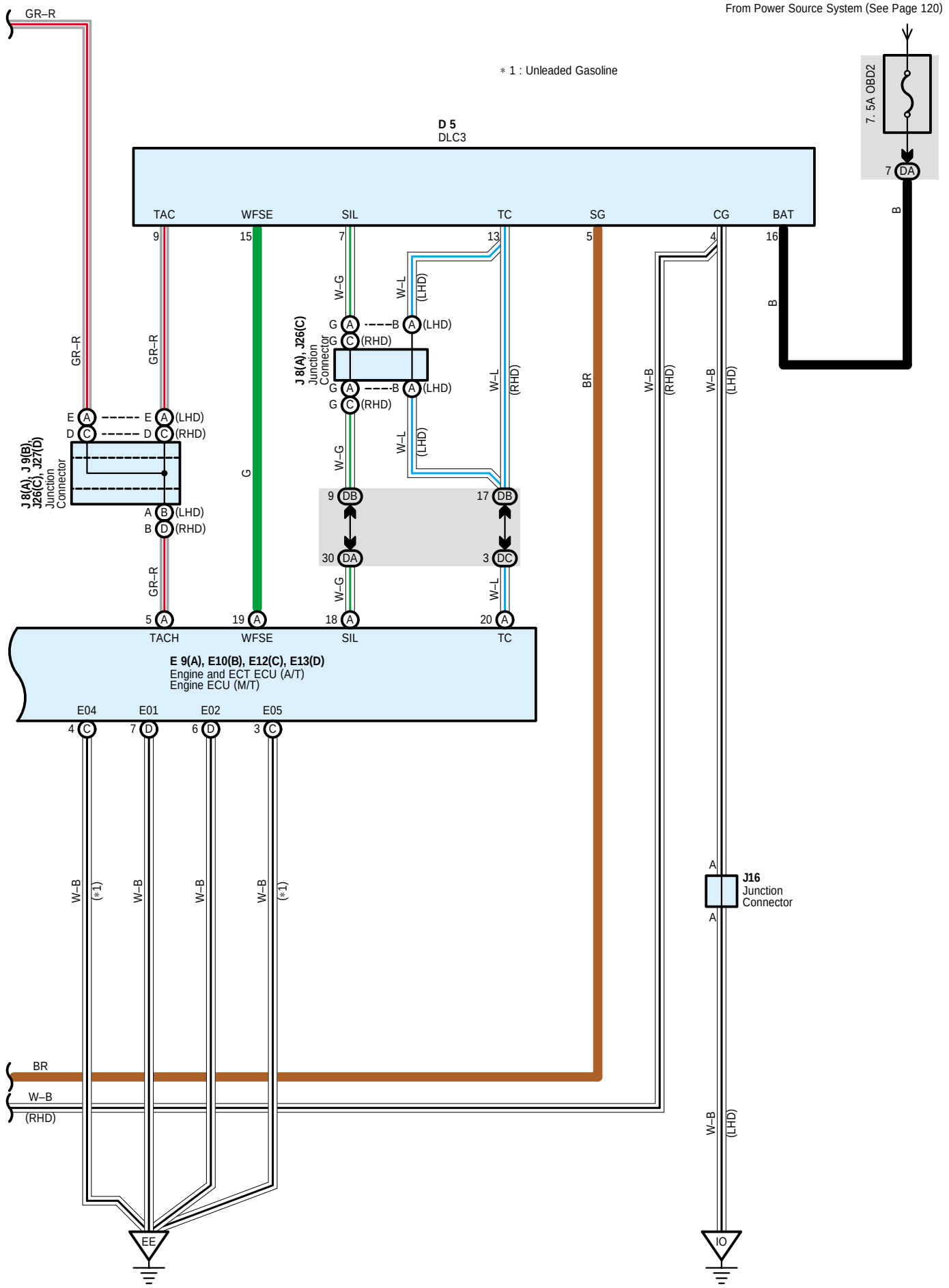

From Power Source System (See Page 120)
7. 5A DOME
10A GAUGE1
J10(A), J11(B), J26(C) Junction Connector
I14 Integration Relay
MPX1
MPX2
IC1
BEAN I/F
Speedometer
Tachometer
Temp.
Check Engine
CPU
C10(A), C11(B) Combination Meter
S 2 Skid Control ECU with Actuator
SP1
IE1
IP
GR–R
B–W
R–B
B–Y
GR
R–W(M/T)
P
W–R
W–R (RHD)
R–W
R–W (M/T)
GR–R
P–B
L–W
W–B
V–W
W
G–Y
B–R
W(∗1)
W–B (RHD)


GR–R
GR–R
B–W
R–B
B–Y
GR
R–W(M/T)
R–W
(M/T)
P
B–W
A13
A/C Control Assembly
MPX–
MPX+
29
9
P
P–B
GR
B–Y
IE1
IE3 (LHD)
IO1 (RHD)
EA1
E 4
R–B
I 5 Injector No. 1
I 6 Injector No. 2
I 7 Injector No. 3
I 8 Injector No. 4
B–R
Y
W
B
B–W
(LHD)
(RHD)
J 8(A), J26(C), J27(D) Junction Connector
MPX2
MREL
BATT
#1
#2
#3
#4
IGSW
E 9(A), E10(B), E12(C), E13(D)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
W
MPX1
SPD
FC
+B
PSW
E1
RSD
V–W
G–Y
G
G–R
BR
J10(A), J20(C) Junction Connector
IK1
P 2 Power Steering Oil Pressure SW
DUTY
GND
+B
I10 ISC Valve
W–B
E 3 : LHD
I 3 : RHD
W(*1)
W–B
W–B(RHD)
BR
EF

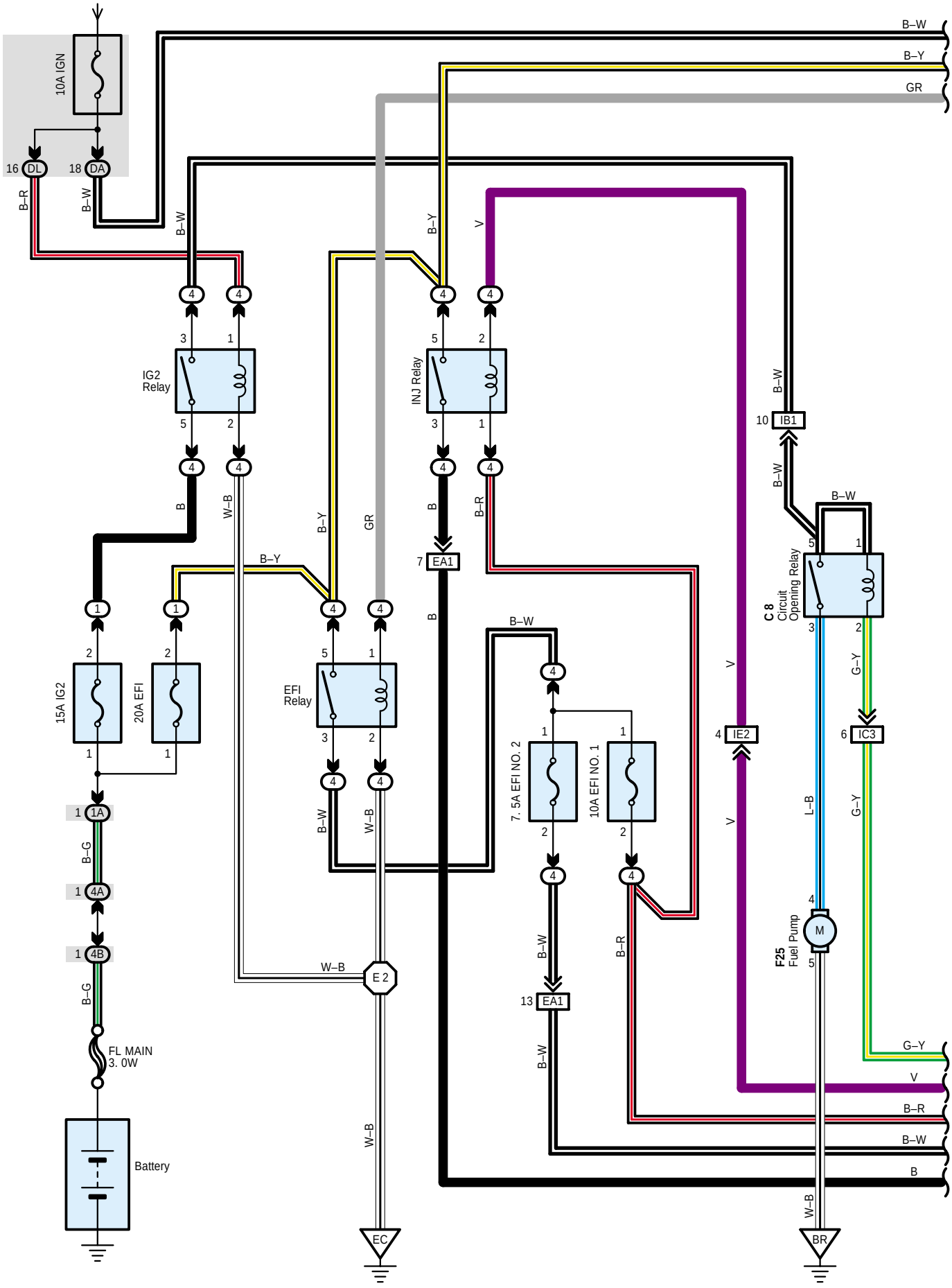

GR–R
GR–R
* 1 : Unleaded Gasoline
* 3 : Leaded Gasoline
From Power Source System (See Page 120)
10A TAIL
7. 5A ST
R–W (M/T)
LG–B (M/T)
C 9 Clutch Start SW
IE2
J30 Junction Connector
IC2
J14 Junction Connector
J10(A), J11(B), J26(C), J27(D) Junction Connector
J12(A), J13(B) Junction Connector
N 1 Neutral Start SW
CLSW
ELS
STA
E 9(A), E10(B), E12(C), E13(D)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
PRG
VG
EVG
THA
THW
E2
VTA1
VC
VAF
V 5 VSV (EVAP)
A 6 Air Flow Meter
E 2 EFI Water Temp. Sensor
T 2 Throttle Position Sensor
V 3 Variable Resistor
E 4
EA1
E 3
E 3 : LHD
I 3 : RHD
B–R
B–W
W(*1)
W–B(RHD)
BR

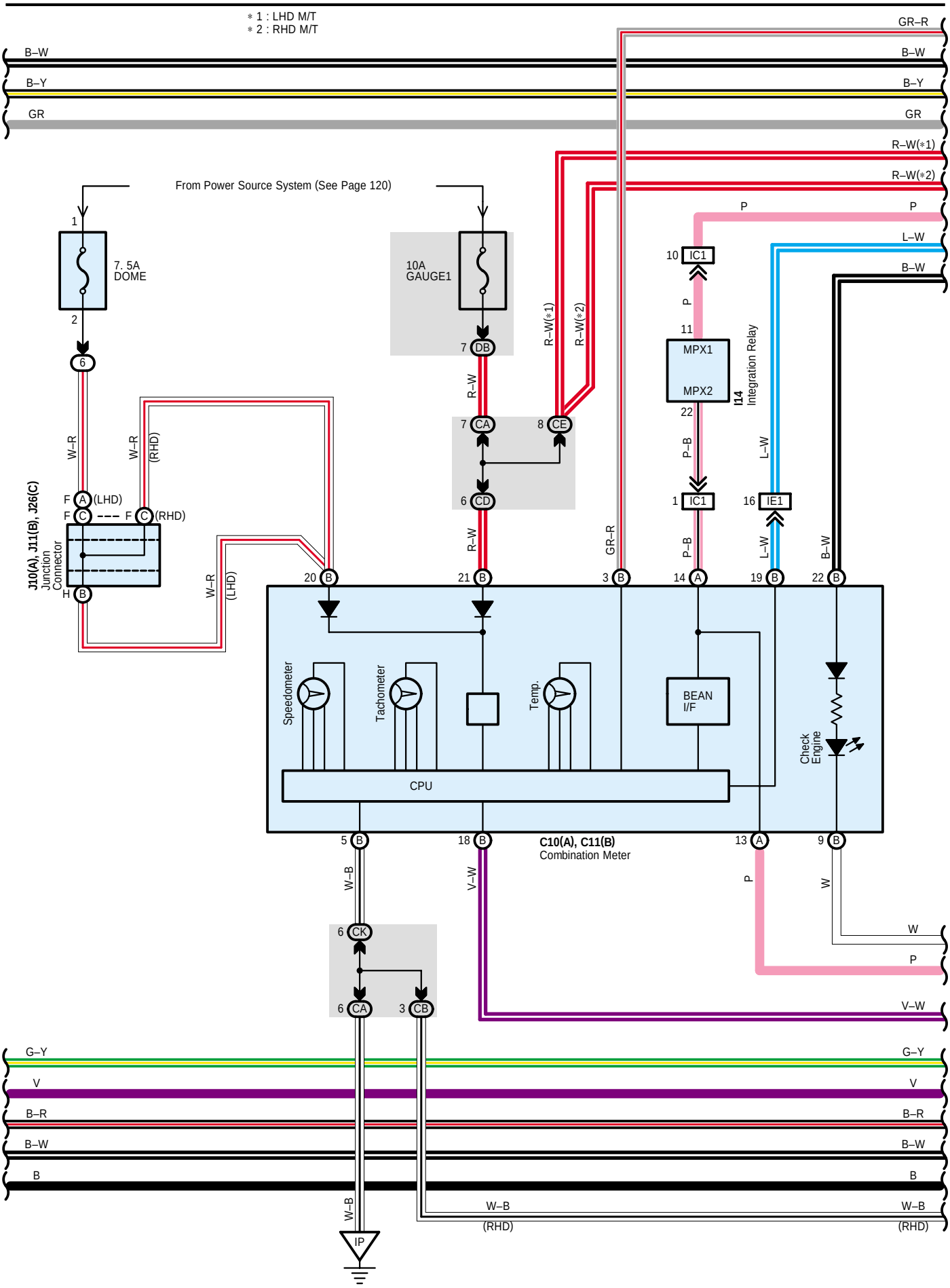

GR–R
GR–R
From Power Source System (See Page 120)
∗ 1 : Unleaded Gasoline
∗ 2 : Shielded
∗ 4 : w/ Engine Immobiliser System
15A
STOP
22 DA
R–W (RHD)
R–W (LHD)
G–W (LHD)
G–W (RHD)
2 IR1
11 IE3
6 IE3
1 IR1
S13
Stop Light SW
A27
Airbag Sensor Assembly
GSW2
23
LG–B
2 DA
9 DD
10 DC
11 DA
FAN NO. 1 Relay
FAN NO. 2 Relay
Diode (Fan)
A11
Alternator
L
4
Y
9 IK1
Y
19 B
STP
14 A
F/PS
7 A
FAN
28 B
RL
E 9(A), E10(B), E12(C), E13(D)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
HA1A
A1A+
A1A–
HA2A
A2A+
A2A–
HT1B
OX1B
O1B–
OX2B
O2B–
HT2B
A 7
Air Fuel Ratio Sensor (Bank 1 Sensor 1)
A 8
Air Fuel Ratio Sensor (Bank 2 Sensor 1)
H 8
Heated Oxygen Sensor (Bank 1 Sensor 2)
H10
Heated Oxygen Sensor (Bank 2 Sensor 2)
AF+
AF–
HT
+B
OX
E1
I 4
E 3
BR (∗1)
B–W(∗1)
J12(A), J13(B)
Junction Connector
B–W(∗1)
W(∗1)
W(∗1)
W–B(RHD)
W–B(RHD)
BR
BR

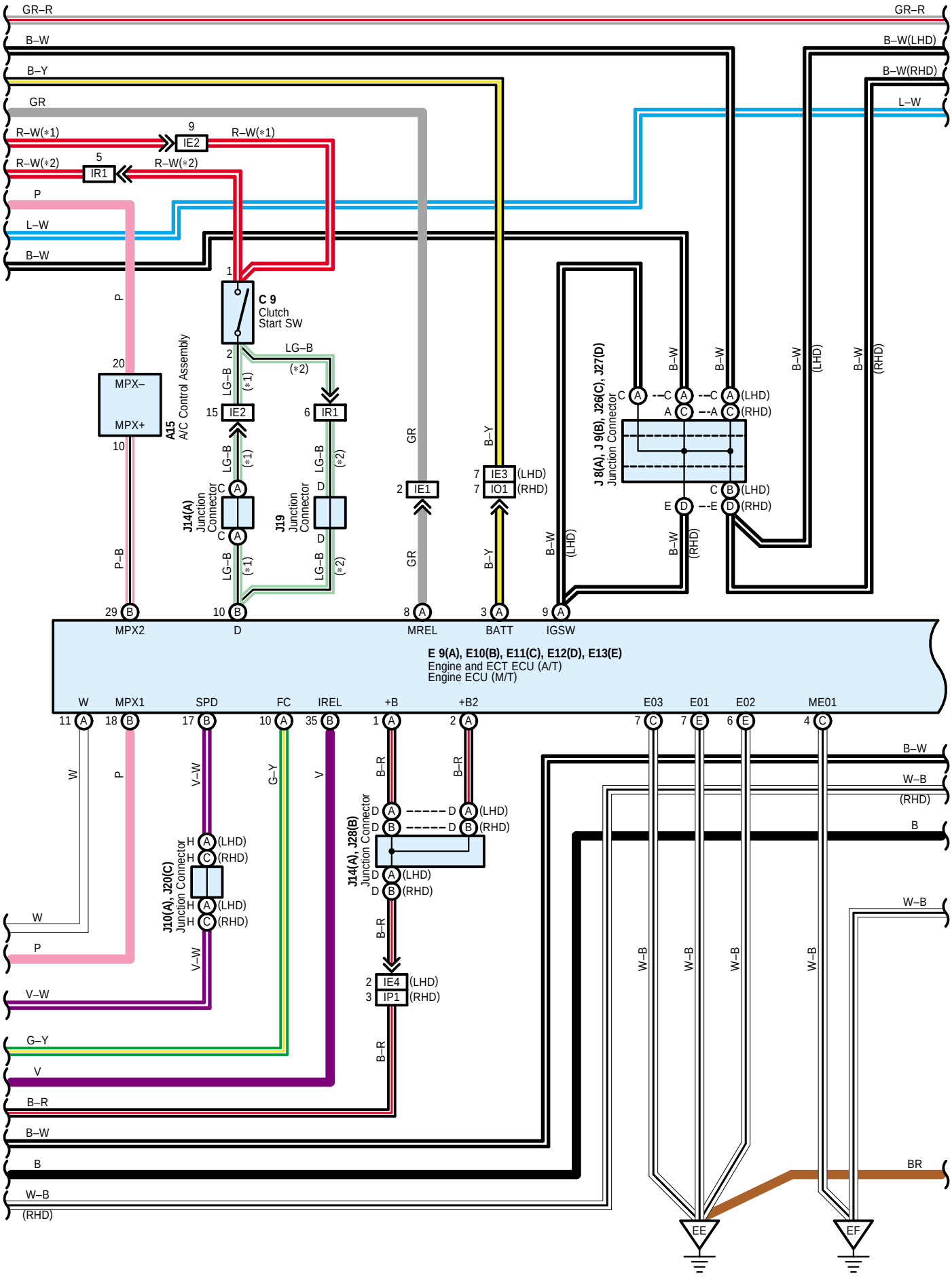

GR–R
GR–R
I 4
Ignition Coil and
Igniter No. 4
I 3
Ignition Coil and
Igniter No. 3
I 2
Ignition Coil and
Igniter No. 2
I 1
Ignition Coil and
Igniter No. 1
IGF
IGT
T 8
Transponder Key Computer
EFII
EFIO
C 2
Camshaft Timing
Oil Control Valve
W–G
Y–B
W
GR
W–R
L–Y
LG–B
P
R–W
E 4
OC1+
OC1–
IMO
IMI
IGF1
IGT4
IGT3
IGT2
IGT1
E 9(A), E10(B), E12(C), E13(D)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
KNK1
EKNK
G2+
NE–
NE+
EOM
I 5
K 1
Knock Sensor
C 1
Camshaft
Position Sensor
C 6
Crankshaft
Position Sensor
J12(A), J13(B)
Junction Connector
BR
W–B
(RHD)
W–B(RHD)

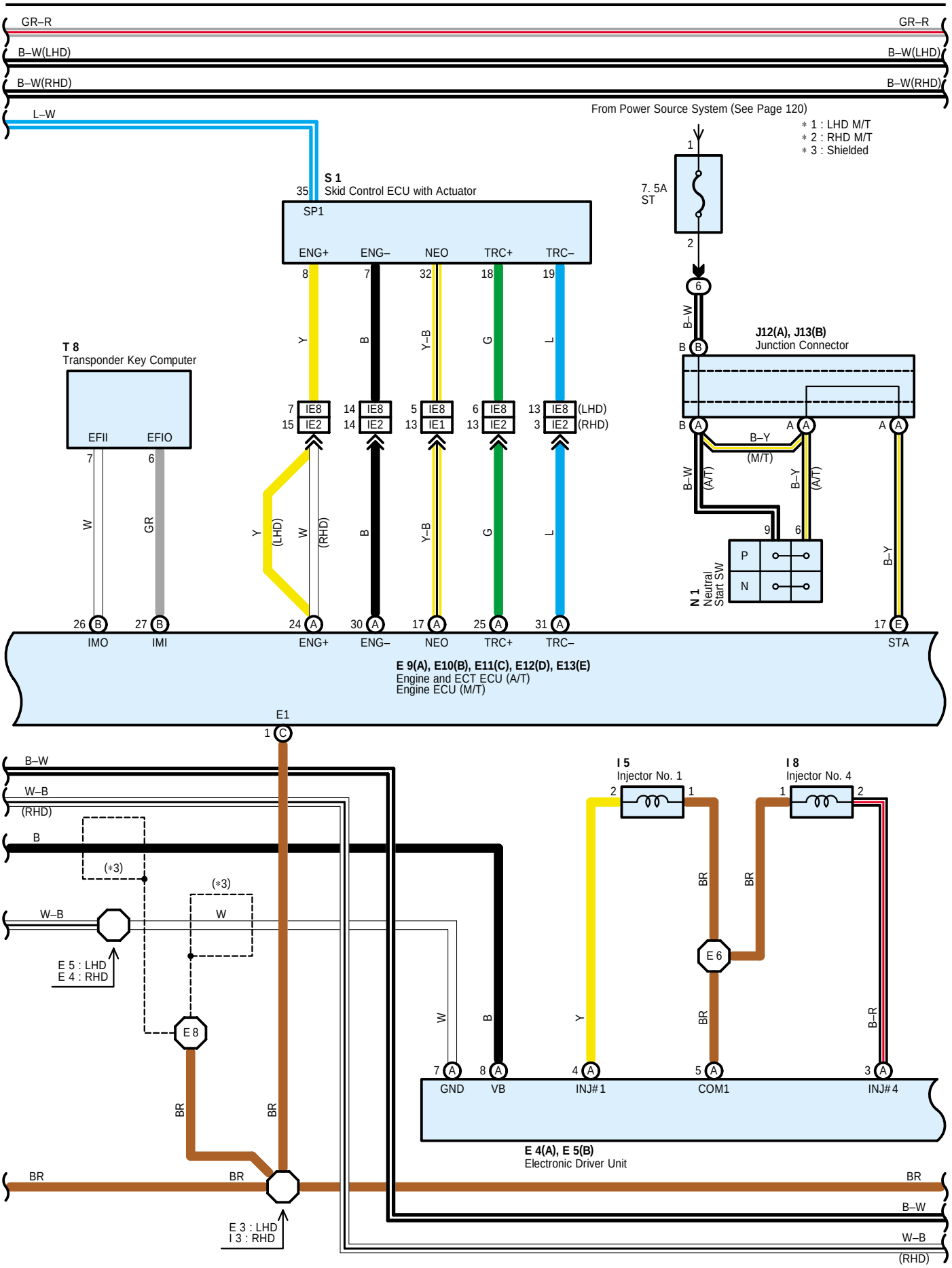

From Power Source System (See Page 120)
GR–R
* 1 : Unleaded Gasoline
7. 5A OBD2
7 DA
B
D 5
DLC3
TAC
WFSE
SIL
TC
SG
CG
BAT
9
15
7
13
5
4
16
W–G
W–L
(LHD)
G A B A (LHD)
G C (RHD)
J 8(A), J26(C)
Junction Connector
W–L
(RHD)
BR
W–B
(RHD)
W–B
(LHD)
B
GR–R
E A E A (LHD)
D C D C (RHD)
J 8(A), J 9(B),
J26(C), J27(D)
Junction Connector
A B (LHD)
B D (RHD)
G
9 DB
17 DB
30 DA
3 DC
5 A
19 A
18 A
20 A
TACH
WFSE
SIL
TC
E 9(A), E10(B), E12(C), E13(D)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
E04
E01
E02
E05
4 C
7 D
6 D
3 C
W–B
(*1)
A
J16
Junction Connector
A
BR
W–B
(RHD)
W–B
(LHD)
EE
IO

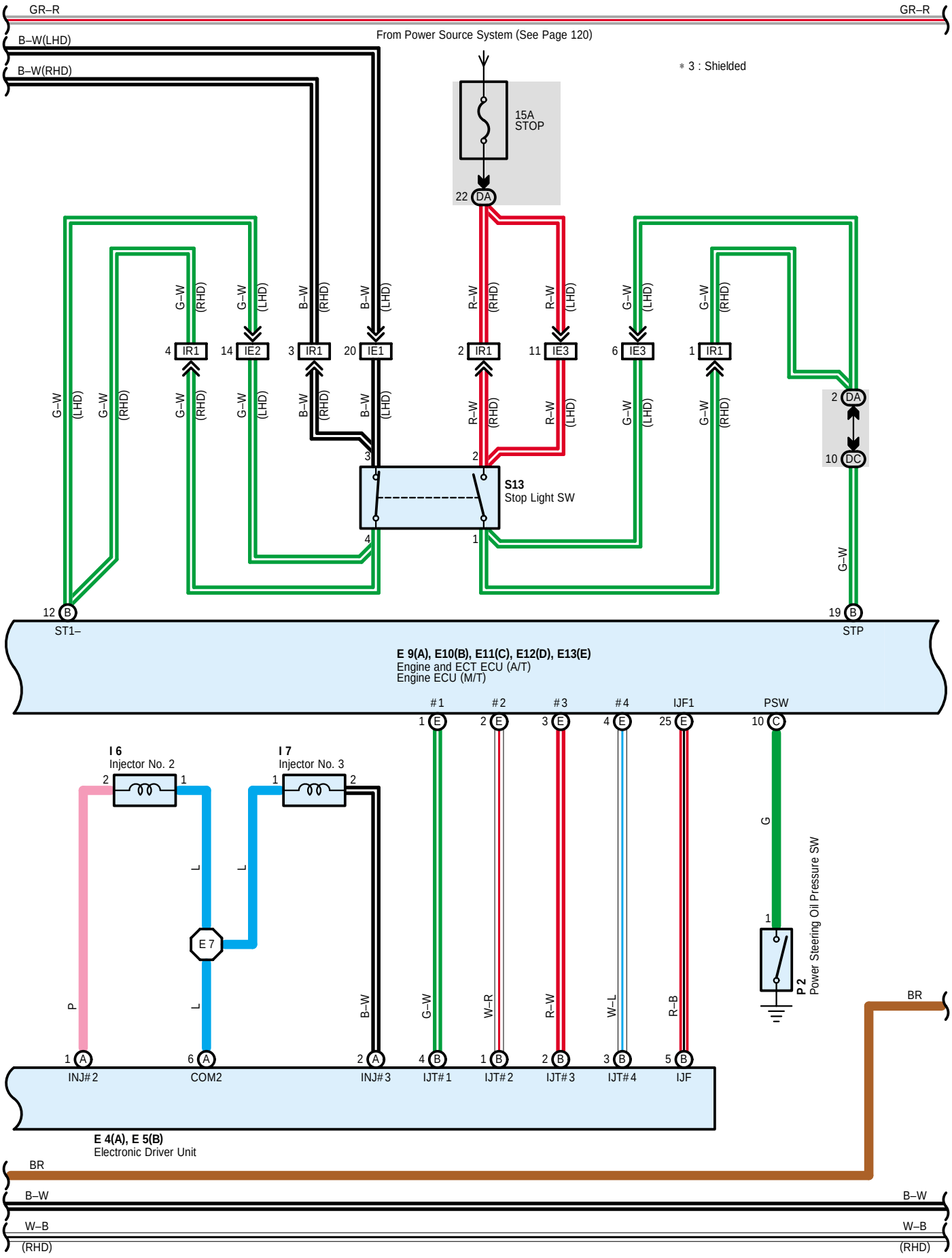
From Power Source System (See Page 120)

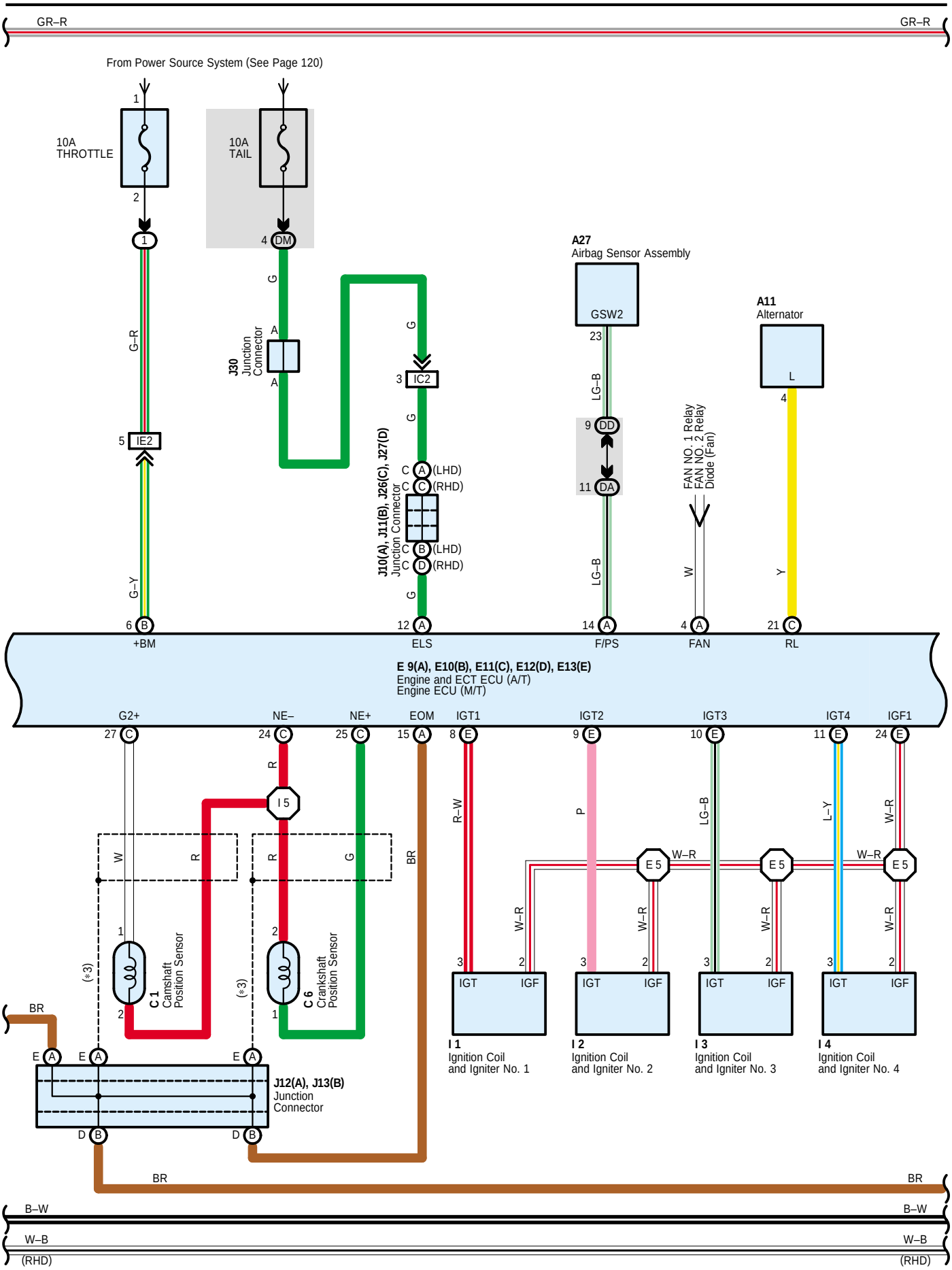


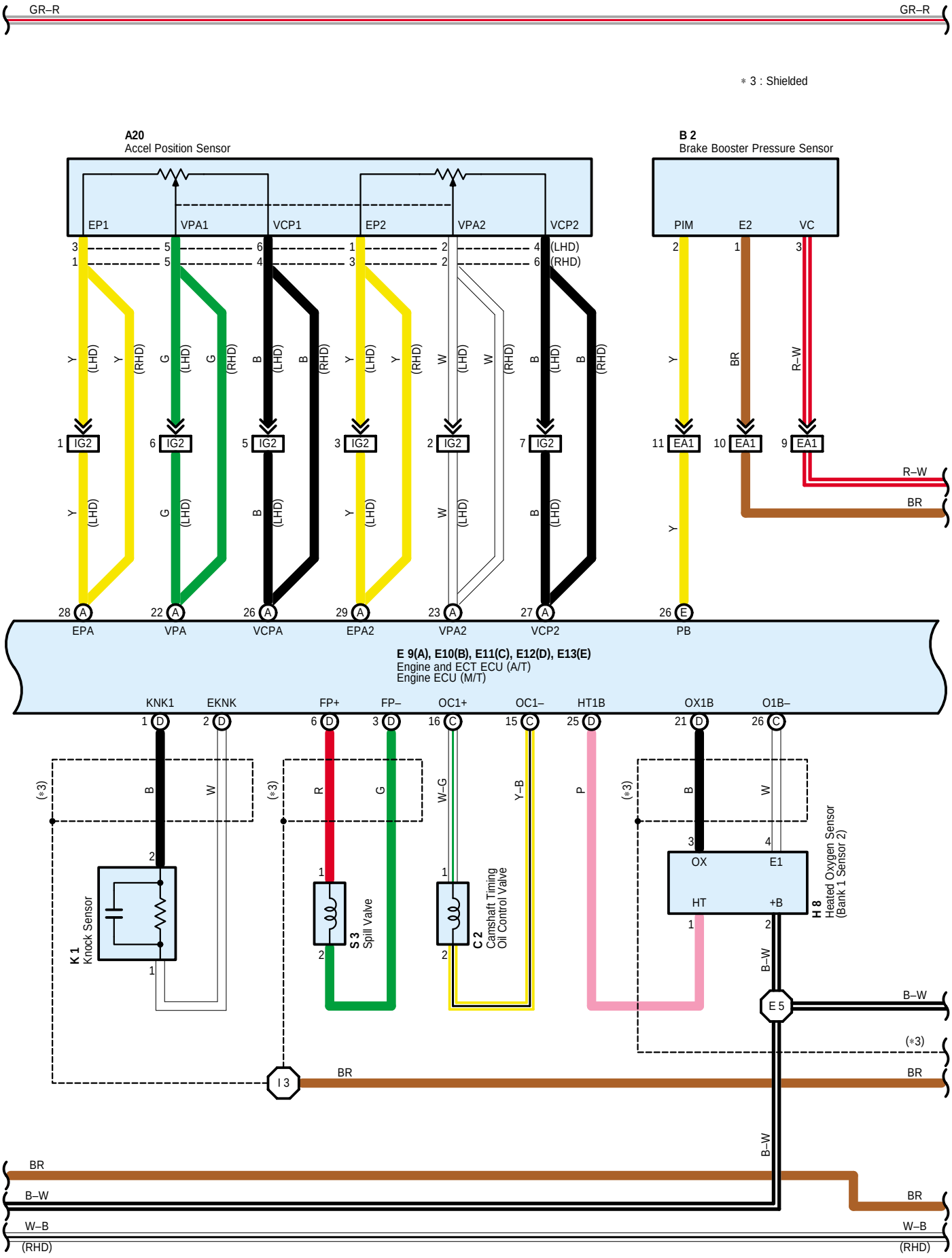

∗1 : LHD M/T
∗2 : RHD M/T
From Power Source System (See Page 120)
7. 5A DOME
10A GAUGE1
J10(A), J11(B), J26(C) Junction Connector
I14 Integration Relay
MPX1
MPX2
IC1
IE1
BEAN I/F
CPU
Speedometer
Tachometer
Temp.
Check Engine
C10(A), C11(B) Combination Meter
IP
GR–R
B–W
B–Y
GR
R–W(∗1)
R–W(∗2)
P
L–W
W–R
W–R (RHD)
W–R (LHD)
R–W
GR–R
P–B
L–W
B–W
W–B
V–W
W
G–Y
V
B–R
B
W–B (RHD)

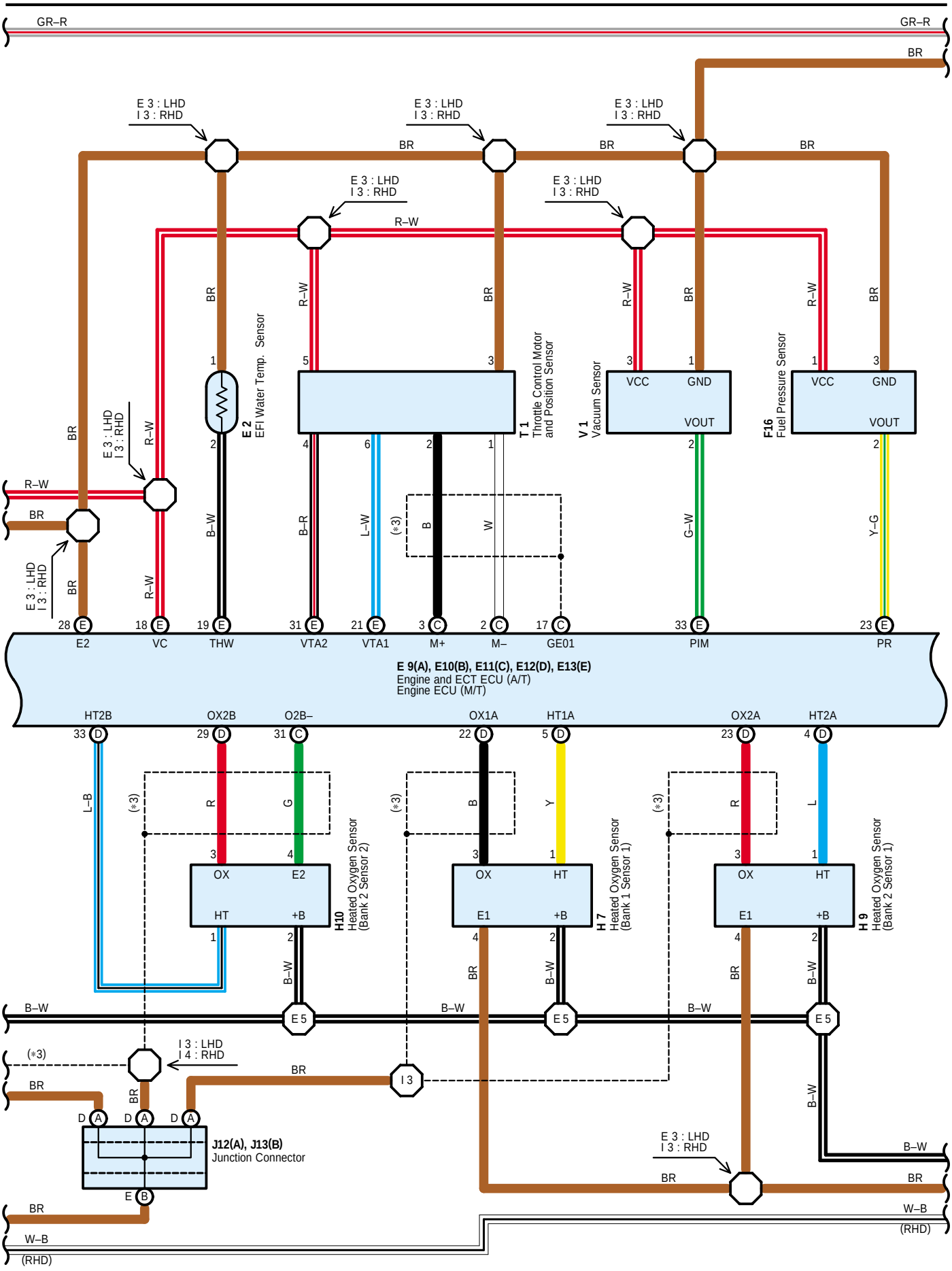

GR–R
B–W
B–Y
GR
R–W(*1)
R–W(*2)
P
L–W
B–W
GR–R
B–W(LHD)
B–W(RHD)
L–W
9
IE2
5
IR1
C 9
Clutch
Start SW
A15
A/C Control Assembly
MPX–
MPX+
20
10
P–B
LG–B
(*1)
(*2)
15
6
J14(A)
Junction
Connector
J19
Junction
Connector
GR
B–Y
2
IE1
7
IE3
(LHD)
7
IO1
(RHD)
J 8(A), J 9(B), J26(C), J27(D)
Junction Connector
B–W
(LHD)
(RHD)
29
MPX2
10
D
8
MREL
3
BATT
9
IGSW
E 9(A), E10(B), E11(C), E12(D), E13(E)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
W
MPX1
SPD
FC
IREL
+B
+B2
E03
E01
E02
ME01
11
18
17
10
35
1
2
7
7
6
4
V–W
G–Y
V
B–R
J10(A), J20(C)
Junction Connector
J14(A), J28(B)
Junction Connector
2
IE4
3
IP1
B–W
W–B
(RHD)
B
BR
EE
EF

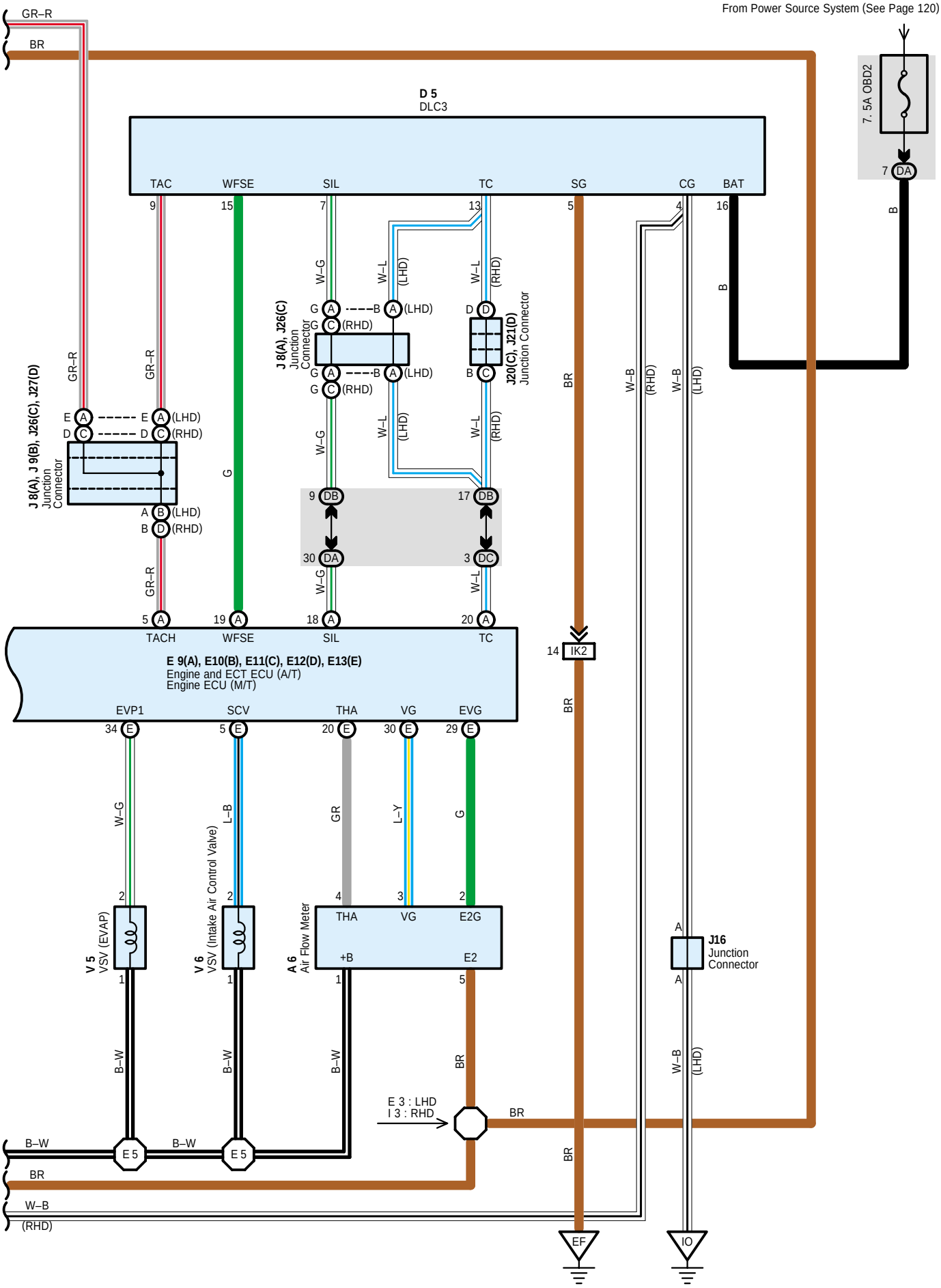

GR–R
B–W(LHD)
B–W(RHD)
L–W
From Power Source System (See Page 120)
∗ 1 : LHD M/T
∗ 2 : RHD M/T
∗ 3 : Shielded
S 1
Skid Control ECU with Actuator
SP1
ENG+
ENG–
NEO
TRC+
TRC–
7. 5A
ST
T 8
Transponder Key Computer
EFII
EFIO
J12(A), J13(B)
Junction Connector
B–W
B–Y
(M/T)
(A/T)
N 1
Neutral
Start SW
P
N
IE8
IE2
IE1
(LHD)
(RHD)
IMO
IMI
STA
E 9(A), E10(B), E11(C), E12(D), E13(E)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
E1
B–W
W–B
(RHD)
B
(∗3)
W
E 5 : LHD
E 4 : RHD
E 8
BR
I 5
Injector No. 1
I 8
Injector No. 4
E 6
B–R
GND
VB
INJ#1
COM1
INJ#4
E 4(A), E 5(B)
Electronic Driver Unit
E 3 : LHD
I 3 : RHD

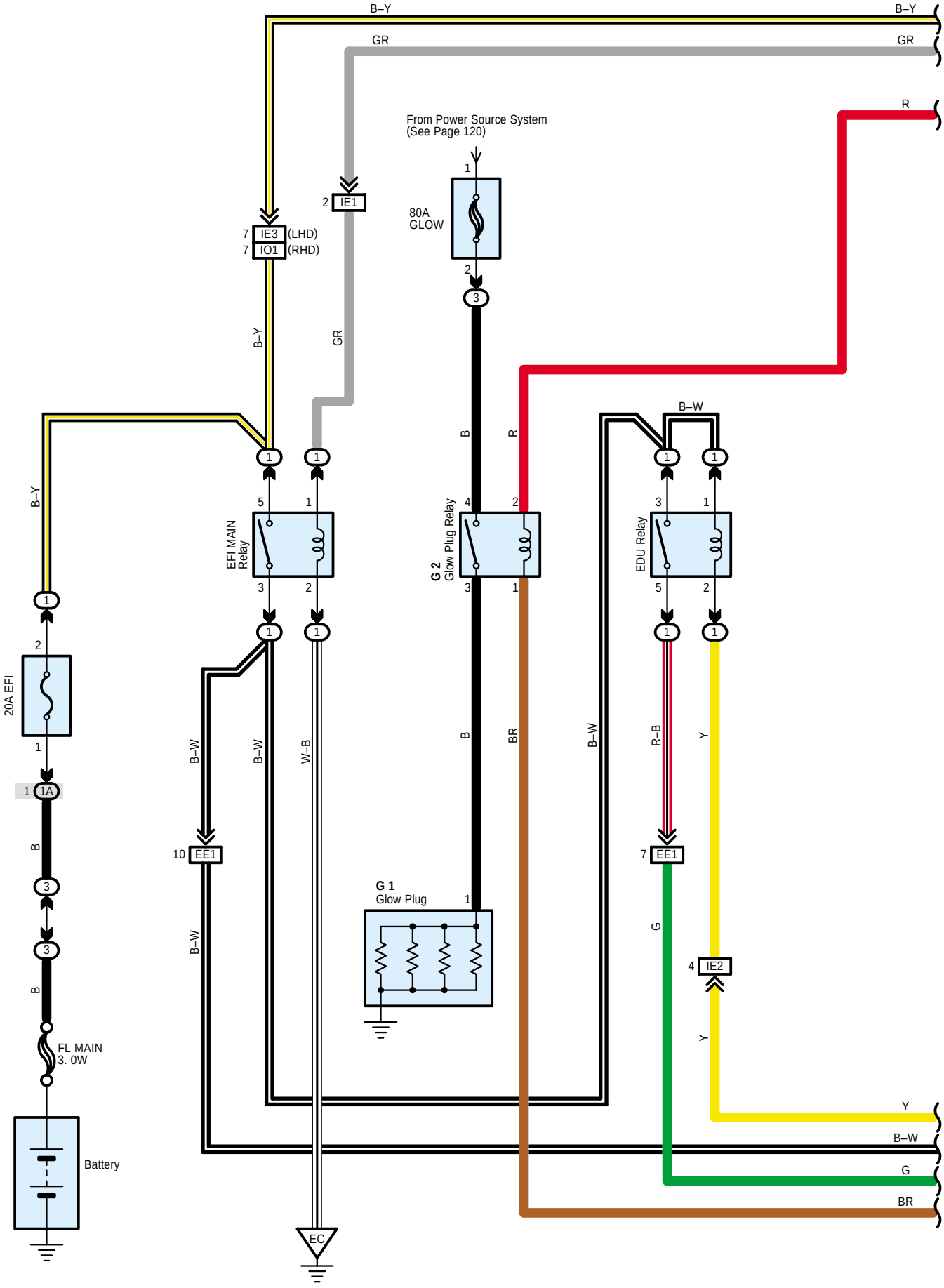

GR–R
GR–R
From Power Source System (See Page 120)
B–W(LHD)
B–W(RHD)
∗ 3 : Shielded
15A
STOP
22 DA
G–W (LHD)
G–W (RHD)
4 IR1
14 IE2
3 IR1
20 IE1
R–W (RHD)
R–W (LHD)
2 IR1
11 IE3
6 IE3
1 IR1
2 DA
10 DC
S13
Stop Light SW
12 B
ST1–
19 B
STP
E 9(A), E10(B), E11(C), E12(D), E13(E)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
#1
#2
#3
#4
IJF1
PSW
I 6
Injector No. 2
I 7
Injector No. 3
E 7
P
L
B–W
G–W
W–R
R–W
W–L
R–B
G
P 2
Power Steering Oil Pressure SW
INJ#2
COM2
INJ#3
IJT#1
IJT#2
IJT#3
IJT#4
IJF
E 4(A), E 5(B)
Electronic Driver Unit
BR
B–W
W–B
(RHD)

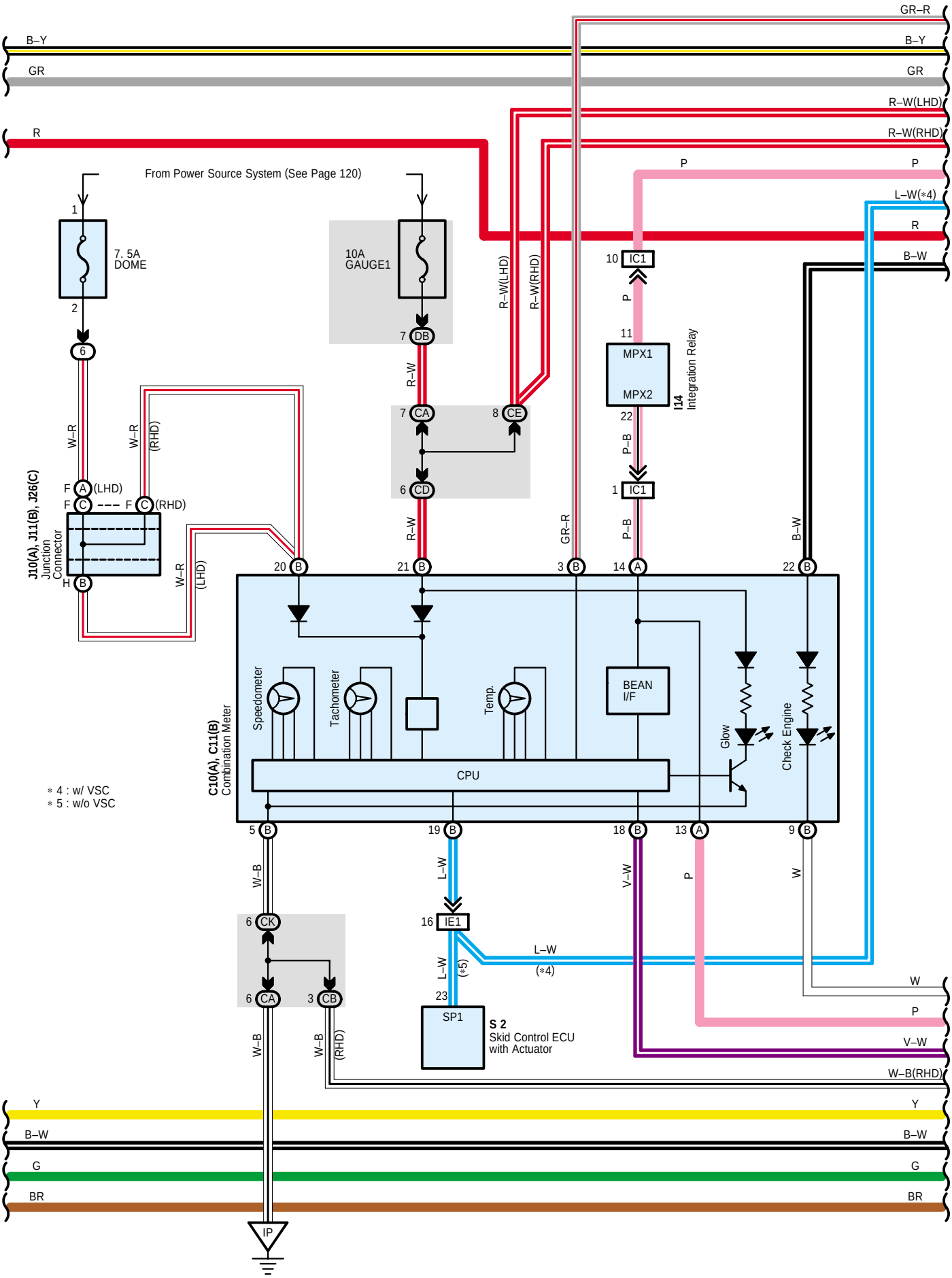

GR–R
GR–R
From Power Source System (See Page 120)
10A
THROTTLE
10A
TAIL
G–R
G–Y
G
J30
Junction
Connector
J10(A), J11(B), J26(C), J27(D)
Junction Connector
IC2
(LHD)
(RHD)
A27
Airbag Sensor Assembly
GSW2
LG–B
DD
DA
FAN NO. 1 Relay
FAN NO. 2 Relay
Diode (Fan)
W
A11
Alternator
L
Y
IE2
+BM
ELS
F/PS
FAN
RL
E 9(A), E10(B), E11(C), E12(D), E13(E)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
G2+
NE–
NE+
EOM
IGT1
IGT2
IGT3
IGT4
IGF1
R
I 5
R–W
P
LG–B
L–Y
W–R
E 5
BR
(*3)
C 1
Camshaft
Position Sensor
C 6
Crankshaft
Position Sensor
IGT
IGF
I 1
Ignition Coil
and Igniter No. 1
I 2
Ignition Coil
and Igniter No. 2
I 3
Ignition Coil
and Igniter No. 3
I 4
Ignition Coil
and Igniter No. 4
J12(A), J13(B)
Junction
Connector
B–W
W–B
(RHD)

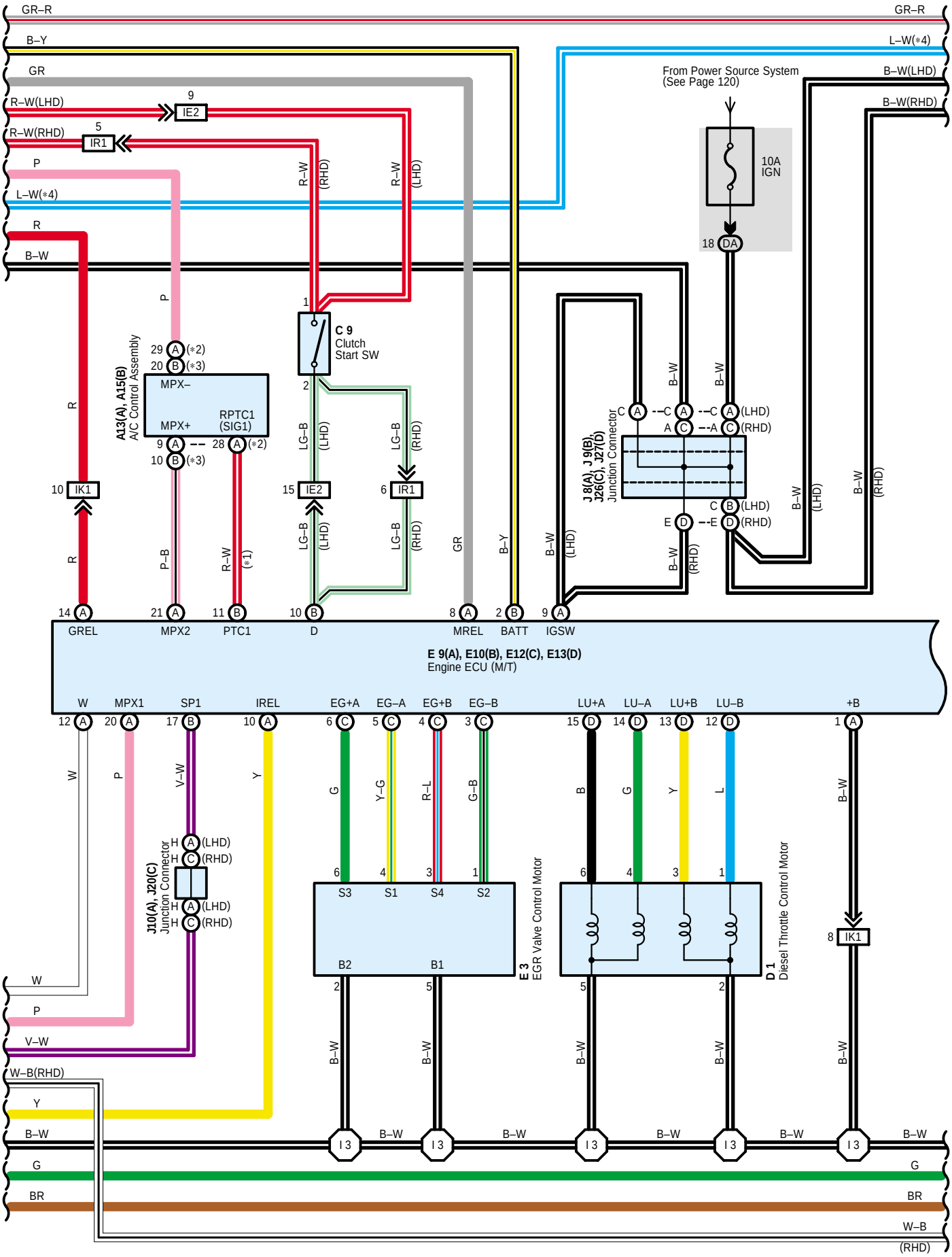

GR–R
GR–R
∗ 3 : Shielded
A20
Accel Position Sensor
EP1
VPA1
VCP1
EP2
VPA2
VCP2
B 2
Brake Booster Pressure Sensor
PIM
E2
VC
(LHD)
(RHD)
IG2
EA1
R–W
BR
28 A EPA
22 A VPA
26 A VCPA
29 A EPA2
23 A VPA2
27 A VCP2
26 E PB
E 9(A), E10(B), E11(C), E12(D), E13(E)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
KNK1
EKNK
FP+
FP–
OC1+
OC1–
HT1B
OX1B
O1B–
(∗3)
K 1
Knock Sensor
S 3
Spill Valve
C 2
Camshaft Timing
Oil Control Valve
H 8
Heated Oxygen Sensor
(Bank 1 Sensor 2)
OX
E1
HT
+B
E 5
I 3
B–W
W–B
(RHD)

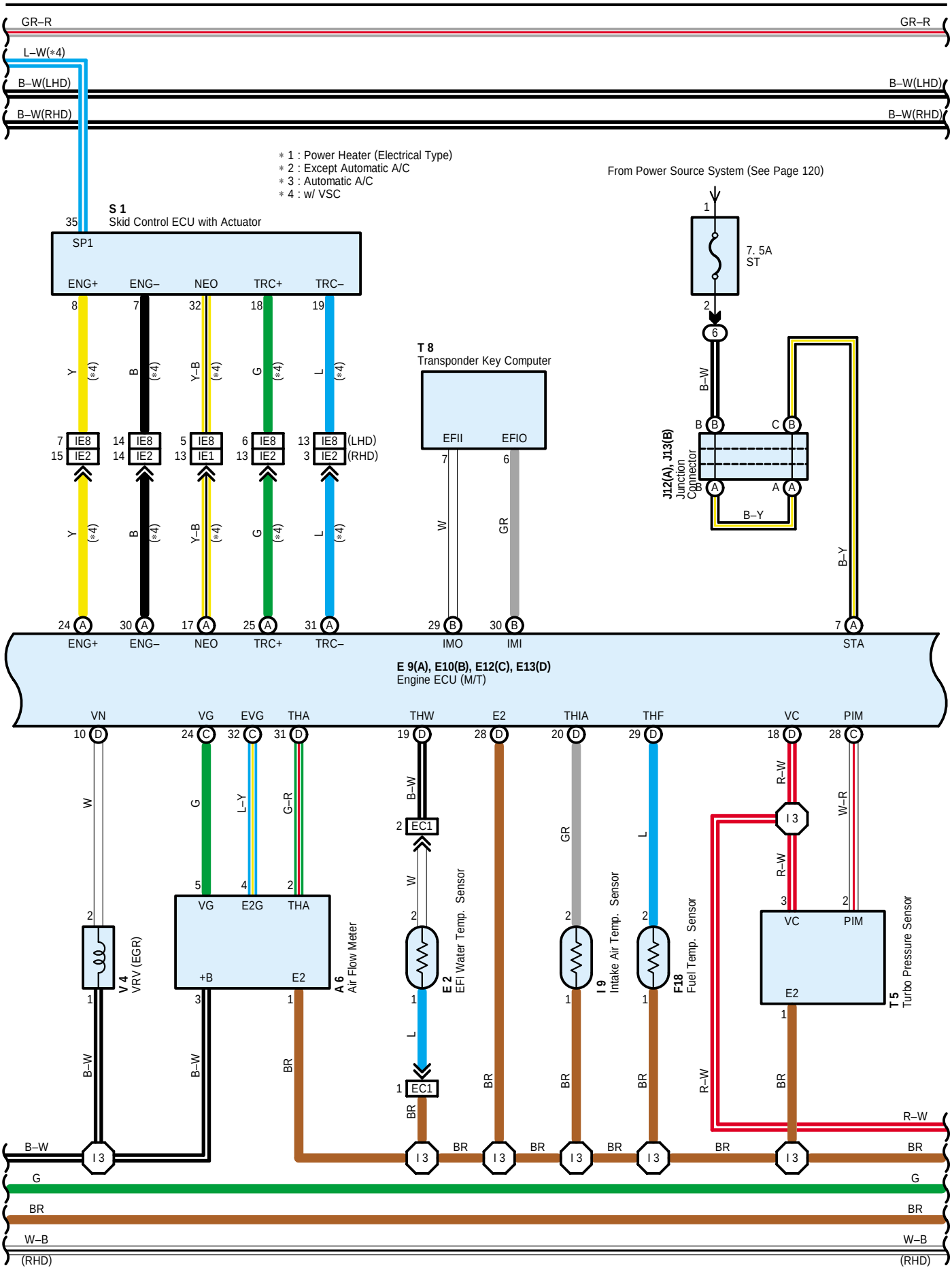

GR–R
GR–R
BR
E 3 : LHD
I 3 : RHD
R–W
E 2
EFI Water Temp. Sensor
T 1
Throttle Control Motor and Position Sensor
V 1
Vacuum Sensor
F16
Fuel Pressure Sensor
VCC
GND
VOUT
B–W
B–R
L–W
G–W
Y–G
(*3)
E2
VC
THW
VTA2
VTA1
M+
M–
GE01
PIM
PR
E 9(A), E10(B), E11(C), E12(D), E13(E)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
HT2B
OX2B
O2B–
OX1A
HT1A
OX2A
HT2A
L–B
R
G
B
Y
L
OX
HT
E1
+B
H10
Heated Oxygen Sensor (Bank 2 Sensor 2)
H 7
Heated Oxygen Sensor (Bank 1 Sensor 1)
H 9
Heated Oxygen Sensor (Bank 2 Sensor 1)
E 5
I 3 : LHD
I 4 : RHD
I 3
J12(A), J13(B)
Junction Connector
W–B
(RHD)

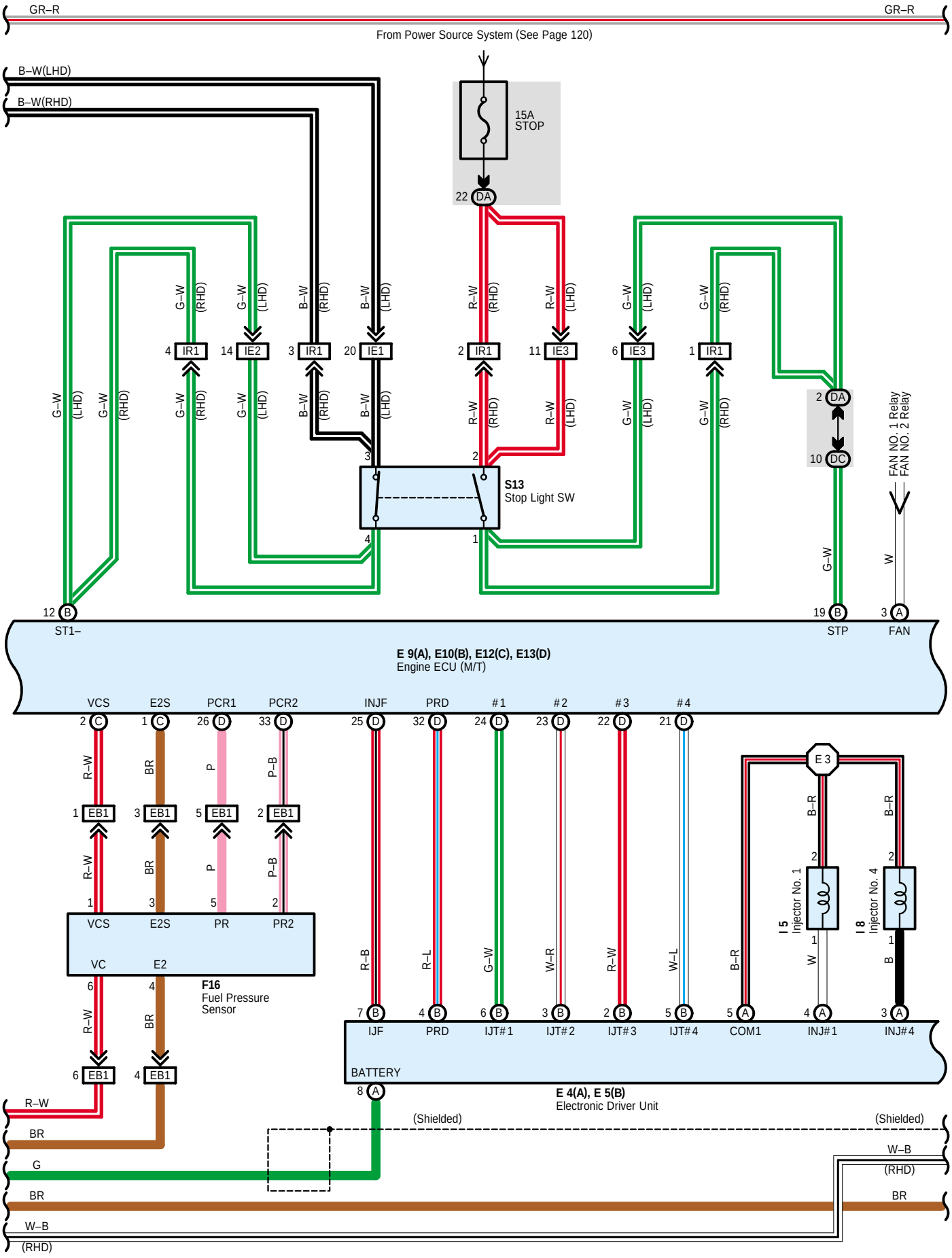

From Power Source System (See Page 120)
GR–R
BR
7. 5A OBD2
7 DA
B
D 5
DLC3
TAC
WFSE
SIL
TC
SG
CG
BAT
9
15
7
13
5
4
16
W–G
W–L
(LHD)
(RHD)
J 8(A), J26(C)
Junction Connector
J20(C), J21(D)
Junction Connector
J 8(A), J 9(B), J26(C), J27(D)
Junction Connector
GR–R
G
BR
W–B
9 DB
17 DB
30 DA
3 DC
5 A
19 A
18 A
20 A
TACH
WFSE
SIL
TC
14 IK2
E 9(A), E10(B), E11(C), E12(D), E13(E)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
EVP1
SCV
THA
VG
EVG
34 E
5 E
20 E
30 E
29 E
L–B
GR
L–Y
V 5
VSV (EVAP)
V 6
VSV (Intake Air Control Valve)
A 6
Air Flow Meter
THA
VG
E2G
+B
E2
B–W
E 5
E 3 : LHD
I 3 : RHD
J16
Junction Connector
EF
IO

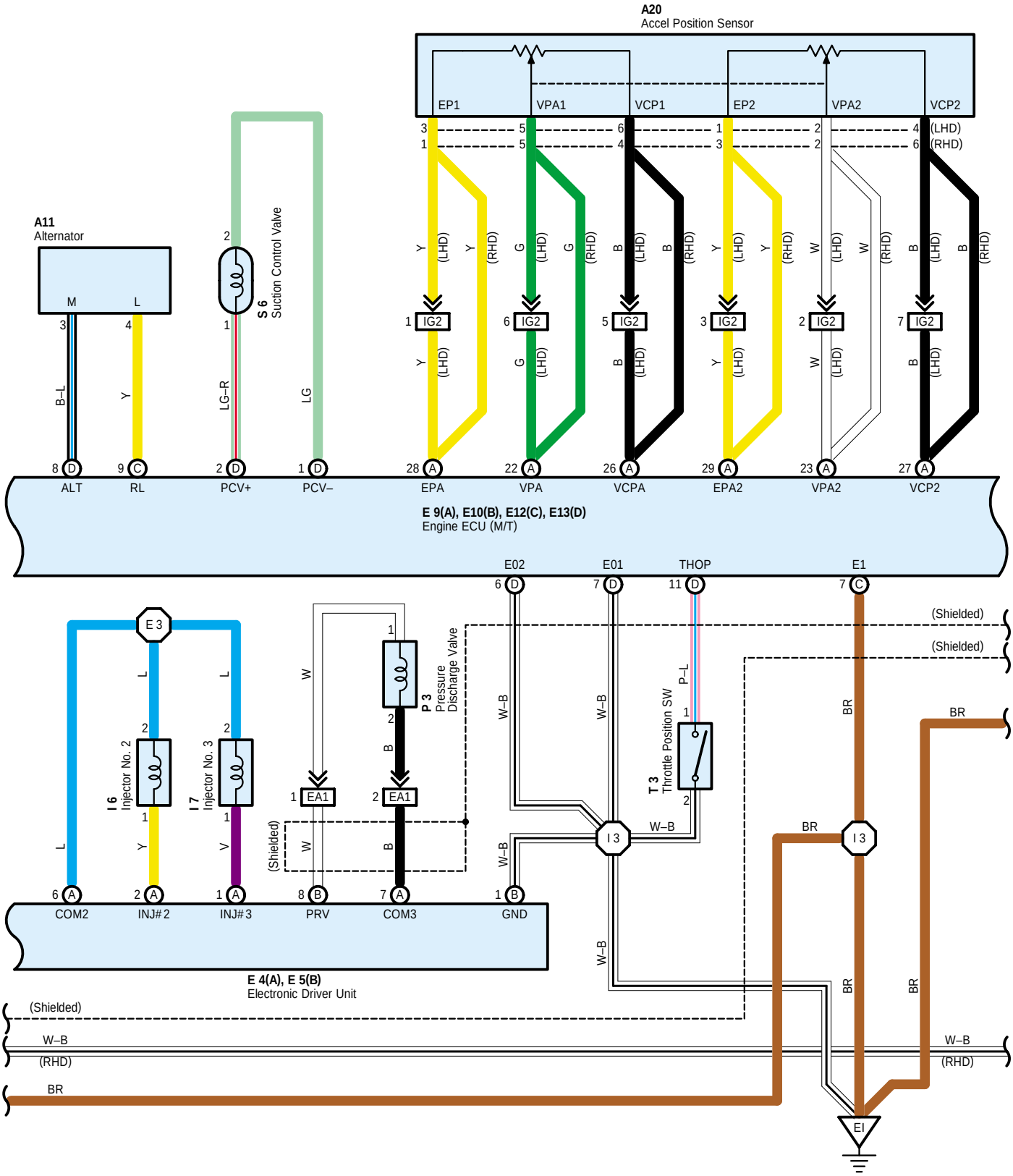

B–Y
B–Y
GR
GR
R
From Power Source System
(See Page 120)
2 IE1
7 IE3 (LHD)
7 IO1 (RHD)
80A
GLOW
1
2
3
B–Y
GR
B
R
B–W
EFI MAIN
Relay
G 2
Glow Plug Relay
EDU Relay
20A EFI
1A
B
B–W
B–W
W–B
B
BR
B–W
R–B
Y
10 EE1
7 EE1
G 1
Glow Plug
G
4 IE2
Y
Y
B–W
G
BR
FL MAIN
3. 0W
Battery
EC

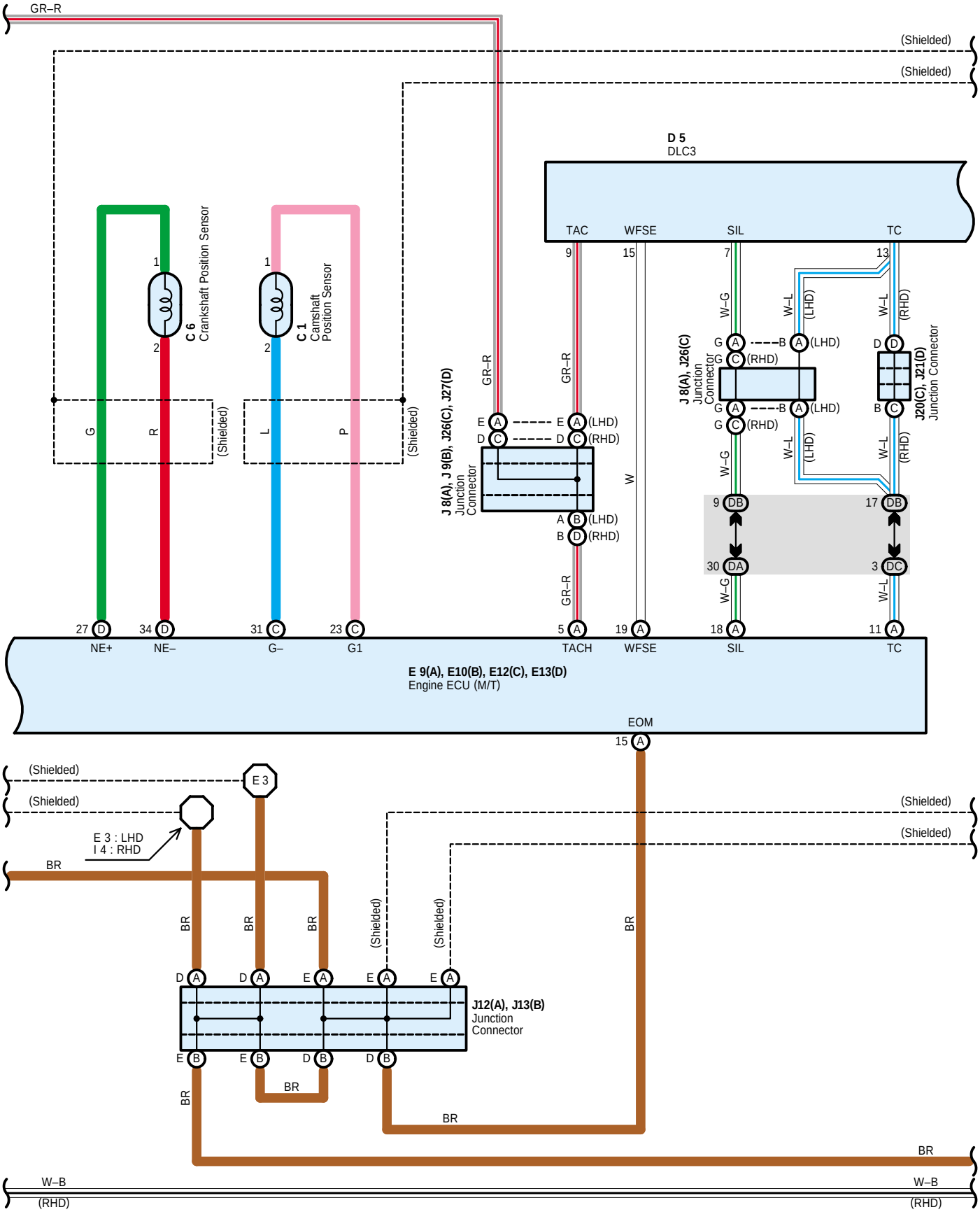

From Power Source System (See Page 120)
7. 5A DOME
10A GAUGE1
J10(A), J11(B), J26(C) Junction Connector
C10(A), C11(B) Combination Meter
Speedometer
Tachometer
Temp.
BEAN I/F
Glow
Check Engine
CPU
I14 Integration Relay
MPX1
MPX2
IC1
IE1
SP1
S 2 Skid Control ECU with Actuator
IP
* 4 : w/ VSC
* 5 : w/o VSC
GR–R
B–Y
GR
R–W(LHD)
R–W(RHD)
R
P
L–W(*4)
B–W
W–R
W–R (RHD)
W–R (LHD)
R–W
GR–R
P–B
W–B
L–W
V–W
W
L–W (*4)
L–W (*5)
W–B (RHD)
Y
G
BR
W–B(RHD)

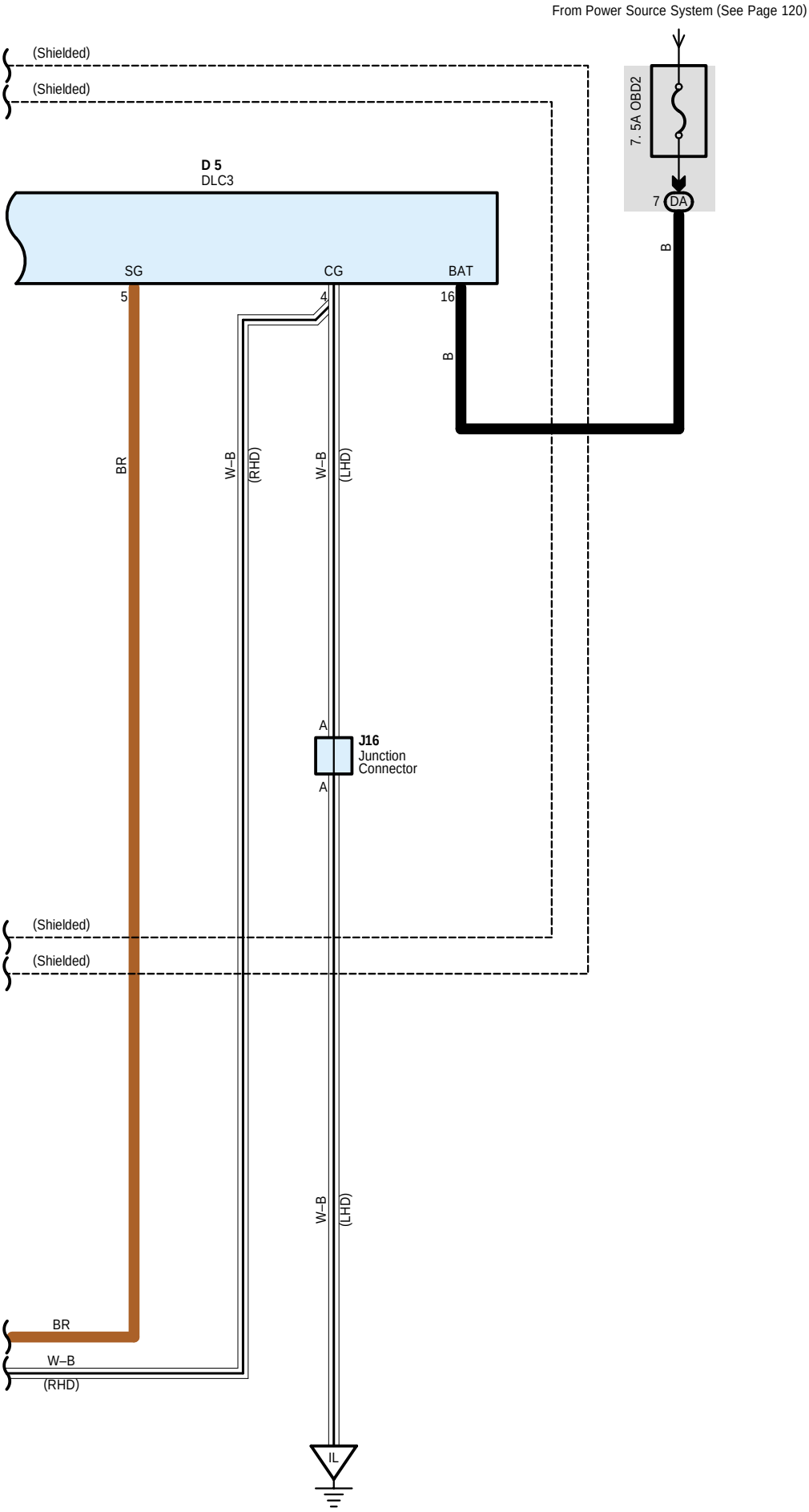

GR–R
B–Y
GR
R–W(LHD)
R–W(RHD)
P
L–W(*4)
R
B–W
From Power Source System
(See Page 120)
10A
IGN
18 DA
B–W(LHD)
B–W(RHD)
IE2
IR1
C 9
Clutch
Start SW
A13(A), A15(B)
A/C Control Assembly
MPX–
MPX+
RPTC1
(SIG1)
J8(A), J9(B),
J26(C), J27(D)
Junction Connector
E 9(A), E10(B), E12(C), E13(D)
Engine ECU (M/T)
GREL
MPX2
PTC1
D
MREL
BATT
IGSW
W
MPX1
SP1
IREL
EG+A
EG–A
EG+B
EG–B
LU+A
LU–A
LU+B
LU–B
+B
J10(A), J20(C)
Junction Connector
E 3
EGR Valve Control Motor
D 1
Diesel Throttle Control Motor
W–B(RHD)
V–W
Y
G
BR
W–B
(RHD)


GR–R
GR–R
L–W(*4)
B–W(LHD)
B–W(LHD)
B–W(RHD)
B–W(RHD)
* 1 : Power Heater (Electrical Type)
* 2 : Except Automatic A/C
* 3 : Automatic A/C
* 4 : w/ VSC
From Power Source System (See Page 120)
S 1
Skid Control ECU with Actuator
SP1
ENG+
ENG–
NEO
TRC+
TRC–
7.5A
ST
T 8
Transponder Key Computer
EFII
EFIO
J12(A), J13(B)
Junction Connector
(LHD)
(RHD)
E 9(A), E10(B), E12(C), E13(D)
Engine ECU (M/T)
IMO
IMI
STA
VN
VG
EVG
THA
THW
E2
THIA
THF
VC
PIM
V 4
VRV (EGR)
A 6
Air Flow Meter
E 2
EFI Water Temp. Sensor
I 9
Intake Air Temp. Sensor
F18
Fuel Temp. Sensor
T 5
Turbo Pressure Sensor
EC1
I 3
B–W
B–Y
R–W
W–B
(RHD)

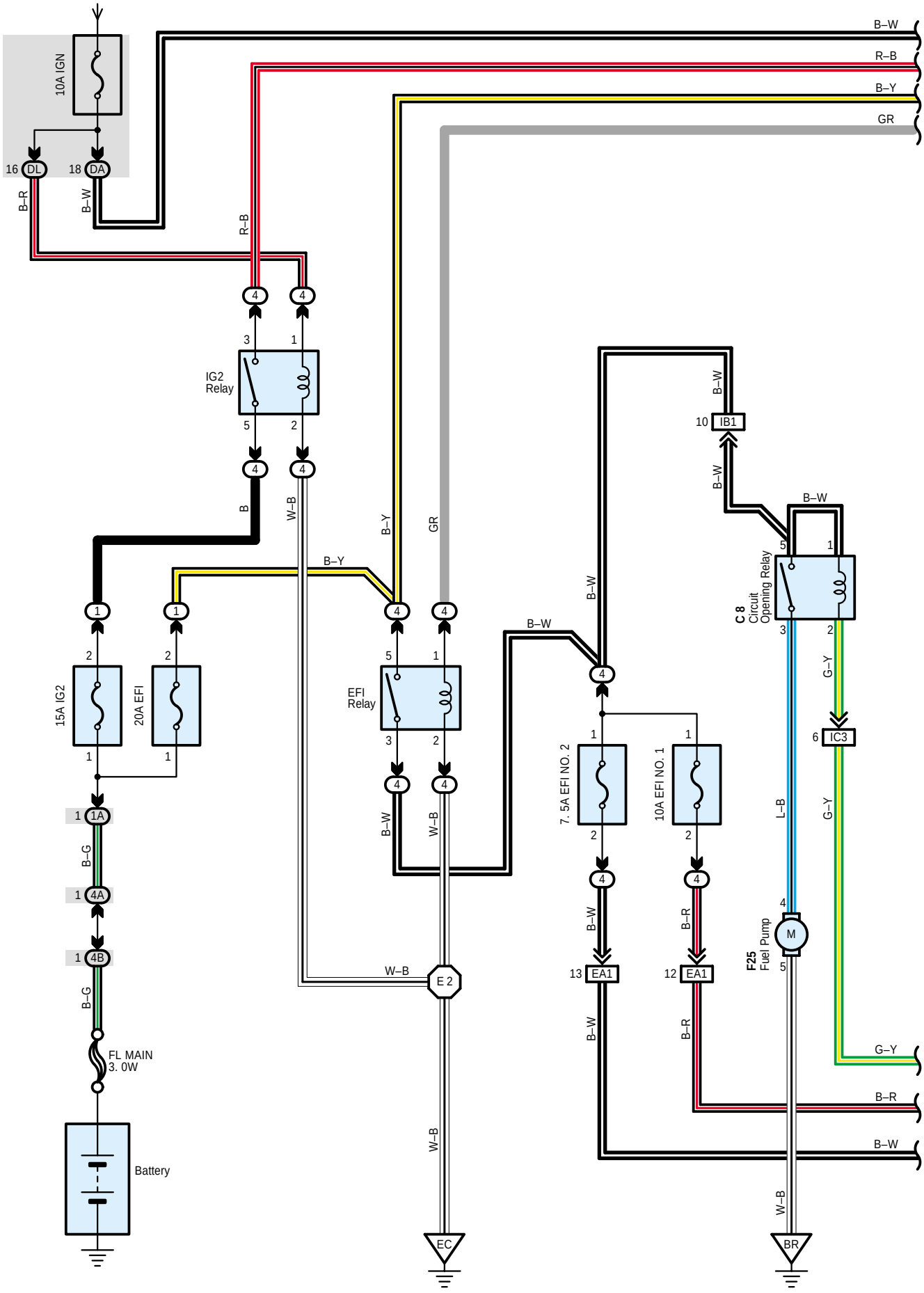

GR–R
GR–R
From Power Source System (See Page 120)
B–W(LHD)
B–W(RHD)
15A
STOP
22 DA
G–W (LHD)
G–W (RHD)
G–W (RHD)
G–W (LHD)
B–W (RHD)
B–W (LHD)
R–W (RHD)
R–W (LHD)
G–W (LHD)
G–W (RHD)
4 IR1
14 IE2
3 IR1
20 IE1
2 IR1
11 IE3
6 IE3
1 IR1
2 DA
10 DC
FAN NO. 1 Relay
FAN NO. 2 Relay
S13
Stop Light SW
G–W
W
12 B
ST1–
19 B
STP
3 A
FAN
E 9(A), E10(B), E12(C), E13(D)
Engine ECU (M/T)
VCS
E2S
PCR1
PCR2
INJF
PRD
#1
#2
#3
#4
2 C
1 C
26 D
33 D
25 D
32 D
24 D
23 D
22 D
21 D
R–W
BR
P
P–B
1 EB1
3 EB1
5 EB1
2 EB1
VCS
E2S
PR
PR2
VC
E2
F16
Fuel Pressure
Sensor
6 EB1
4 EB1
R–B
R–L
G–W
W–R
R–W
W–L
7 B
4 B
6 B
3 B
2 B
5 B
IJF
PRD
IJT#1
IJT#2
IJT#3
IJT#4
E 3
B–R
I 5
Injector No. 1
I 8
Injector No. 4
W
B
5 A
4 A
3 A
COM1
INJ#1
INJ#4
BATTERY
8 A
E 4(A), E 5(B)
Electronic Driver Unit
R–W
BR
G
BR
W–B
(RHD)
(Shielded)
(Shielded)
W–B
(RHD)
BR

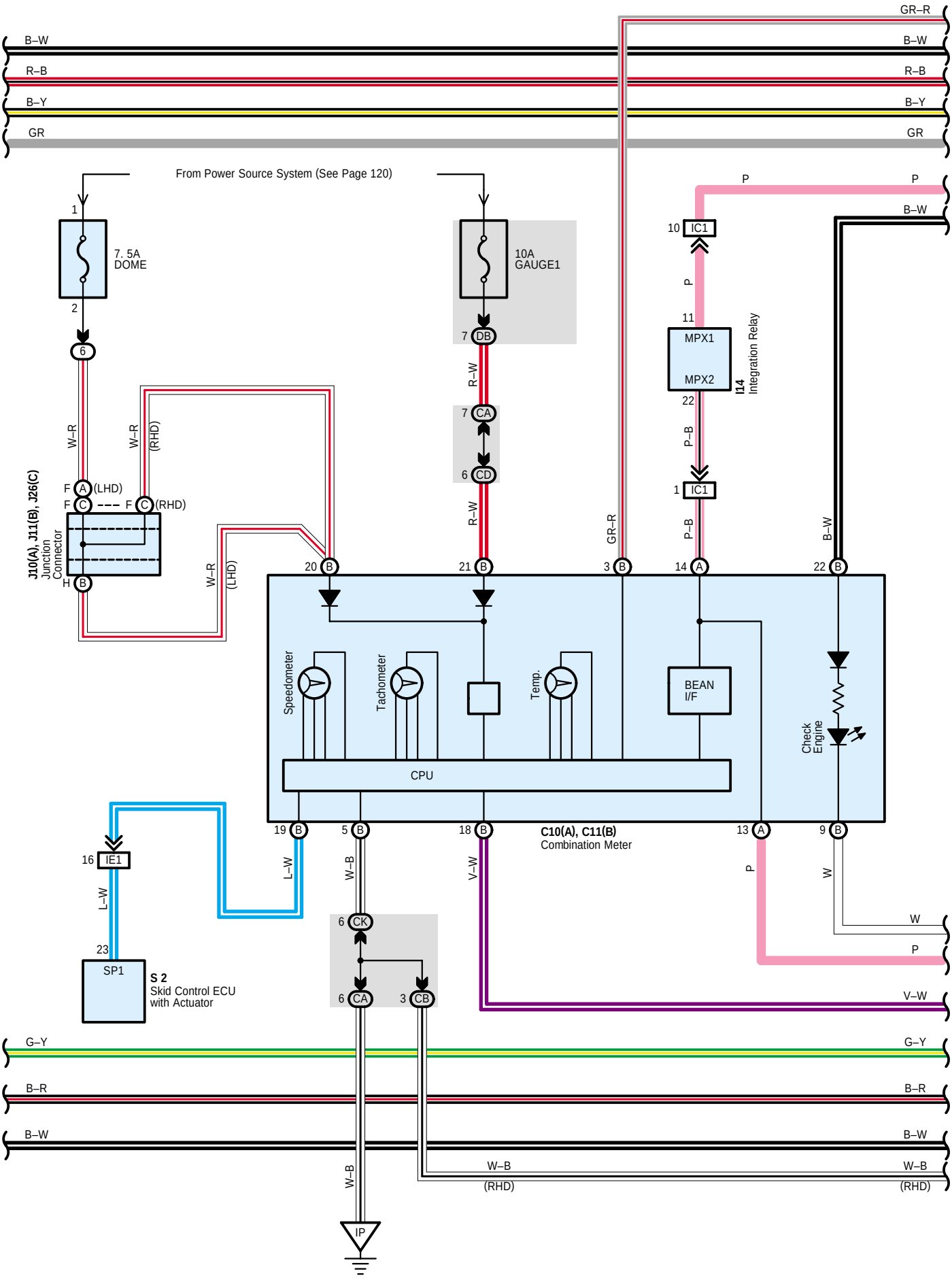

A20
Accel Position Sensor
EP1
VPA1
VCP1
EP2
VPA2
VCP2
(LHD)
(RHD)
A11
Alternator
M
L
S 6
Suction Control Valve
IG2
B–L
Y
LG–R
LG
G
B
W
ALT
RL
PCV+
PCV–
EPA
VPA
VCPA
EPA2
VPA2
VCP2
E 9(A), E10(B), E12(C), E13(D)
Engine ECU (M/T)
E02
E01
THOP
E1
E 3
I 6
Injector No. 2
I 7
Injector No. 3
P 3
Pressure Discharge Valve
EA1
T 3
Throttle Position SW
P–L
W–B
BR
(Shielded)
I 3
COM2
INJ#2
INJ#3
PRV
COM3
GND
E 4(A), E 5(B)
Electronic Driver Unit
EI

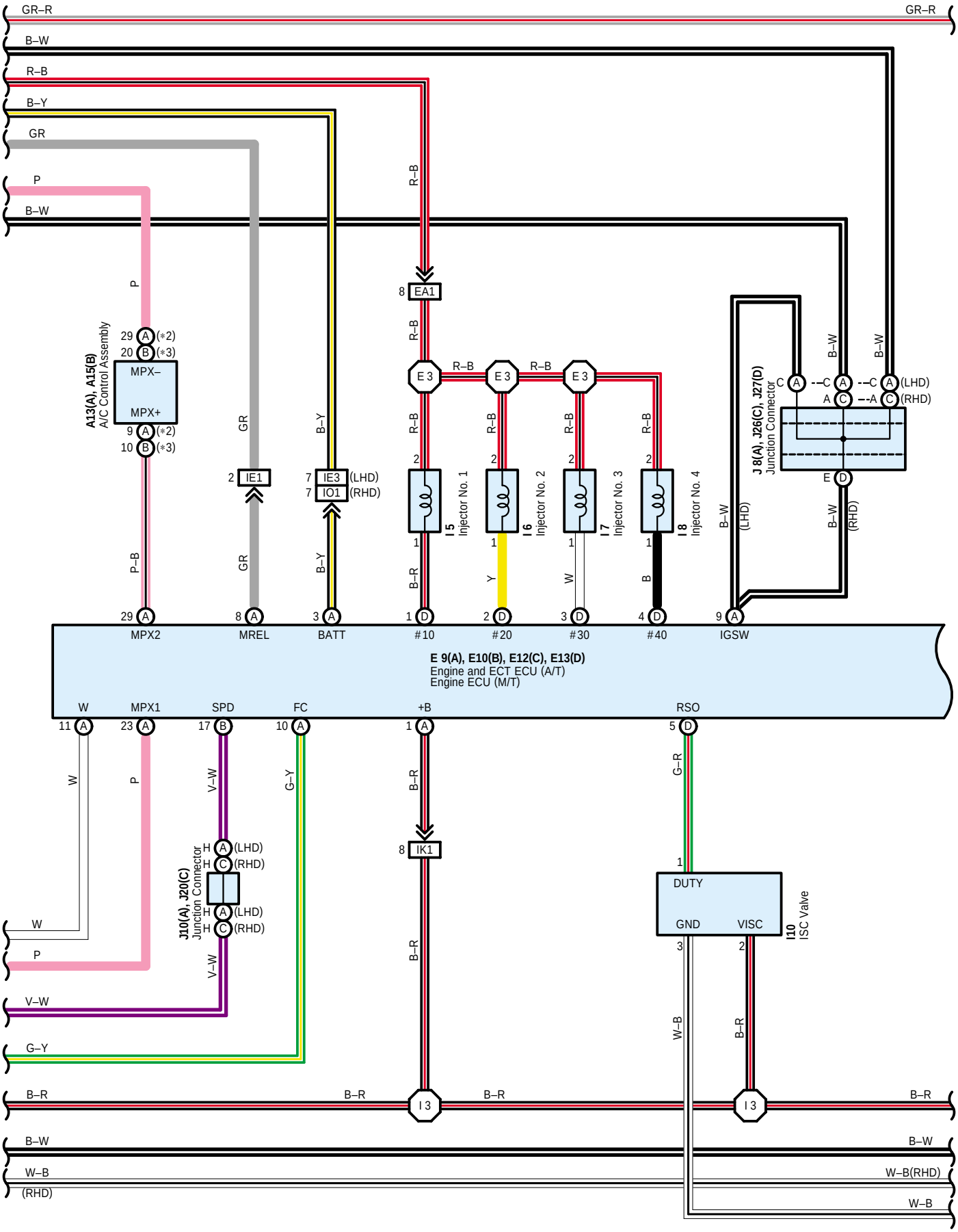

GR–R
(Shielded)
(Shielded)
D 5
DLC3
TAC
WFSE
SIL
TC
C 6
Crankshaft Position Sensor
C 1
Camshaft
Position Sensor
J 8(A), J 9(B), J26(C), J27(D)
Junction
Connector
J 8(A), J26(C)
Junction
Connector
J20(C), J21(D)
Junction Connector
(LHD)
(RHD)
E 9(A), E10(B), E12(C), E13(D)
Engine ECU (M/T)
NE+
NE–
G–
G1
TACH
WFSE
SIL
TC
EOM
E 3
E 3 : LHD
I 4 : RHD
J12(A), J13(B)
Junction
Connector
BR
W–B
(RHD)

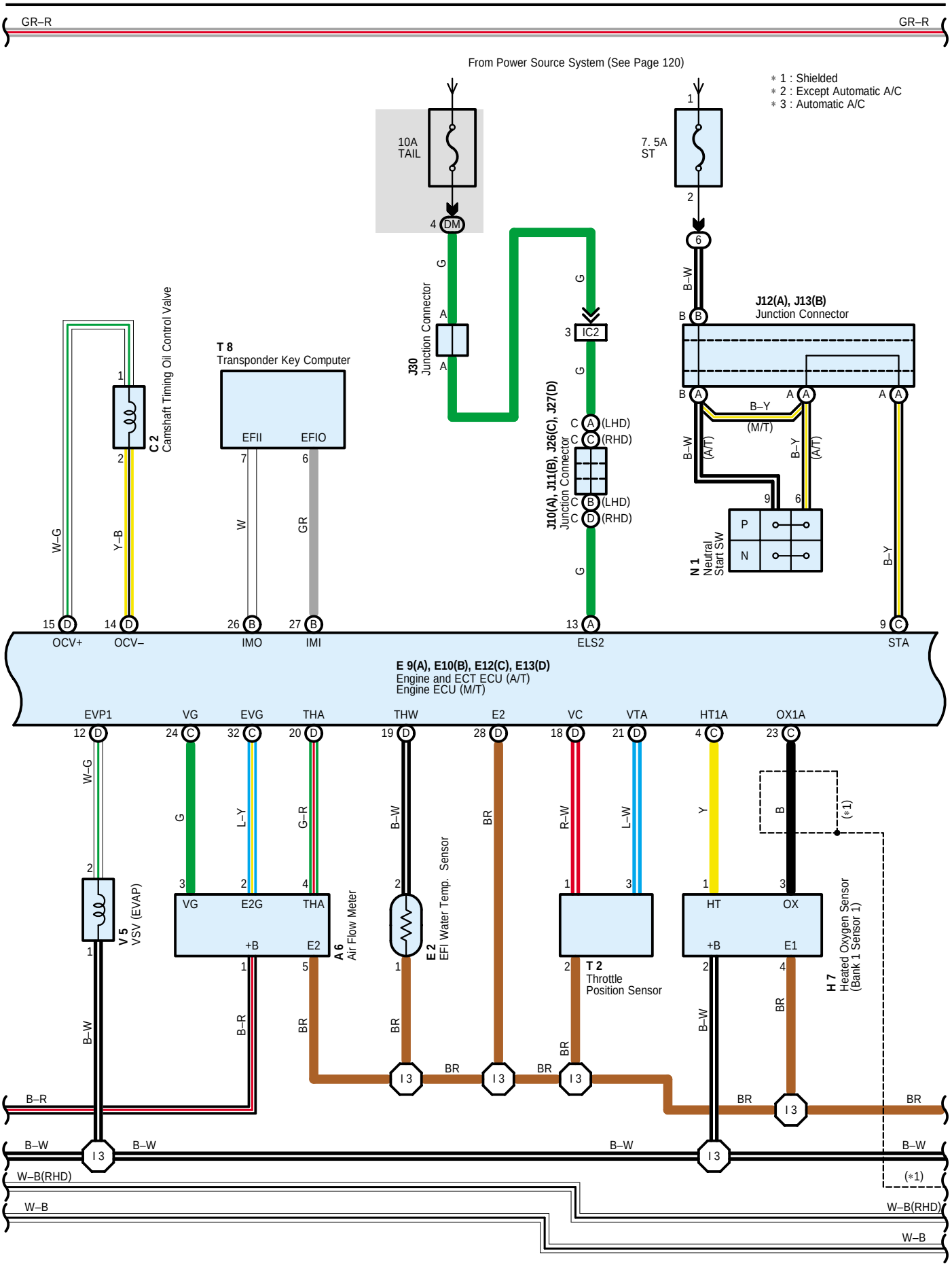

From Power Source System (See Page 120)
(Shielded)
(Shielded)
7. 5A OBD2
7
DA
B
D 5
DLC3
SG
CG
BAT
5
4
16
B
BR
W–B
(RHD)
W–B
(LHD)
A
J16
Junction
Connector
A
(Shielded)
(Shielded)
W–B
(LHD)
BR
W–B
(RHD)
IL

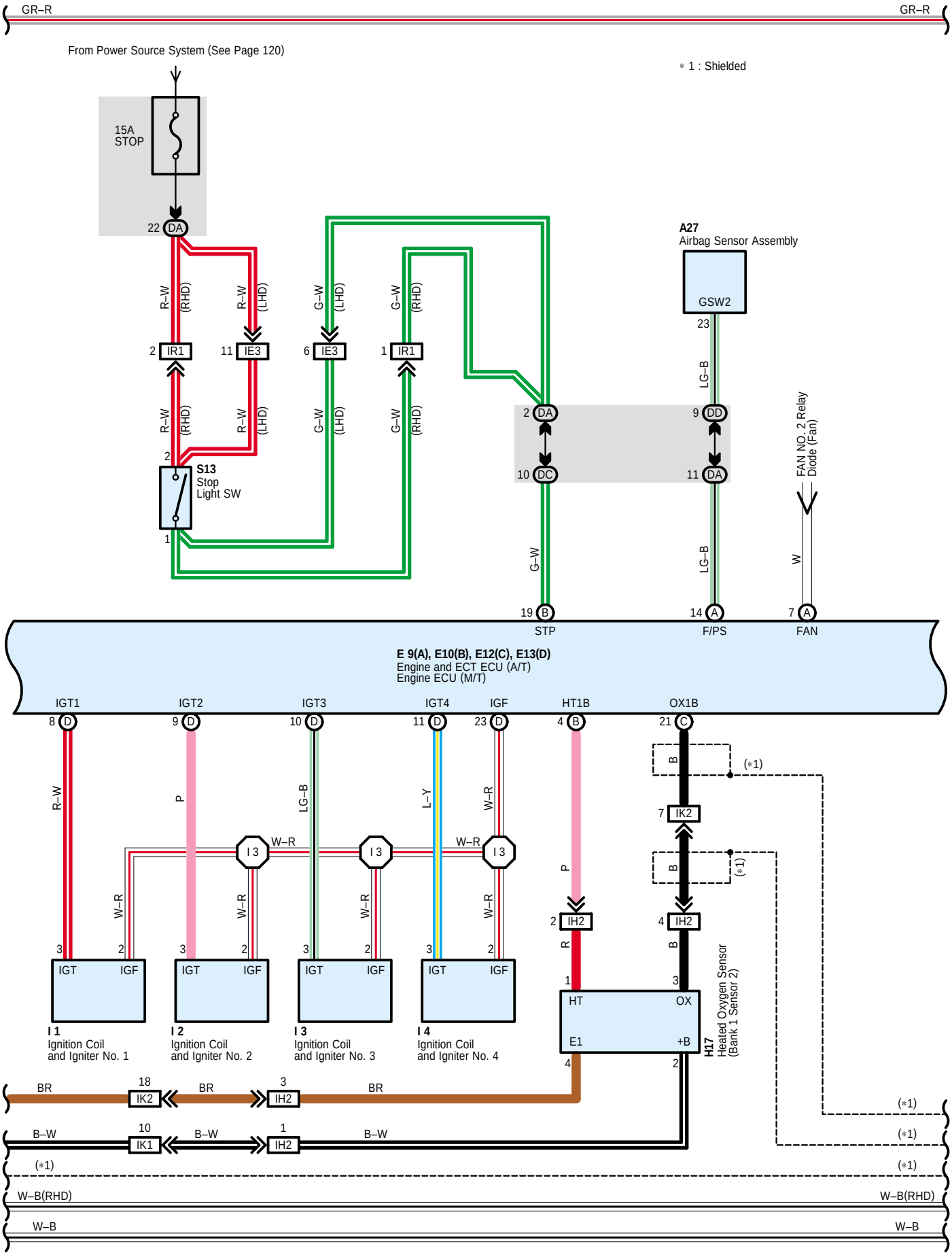
From Power Source System (See Page 120)

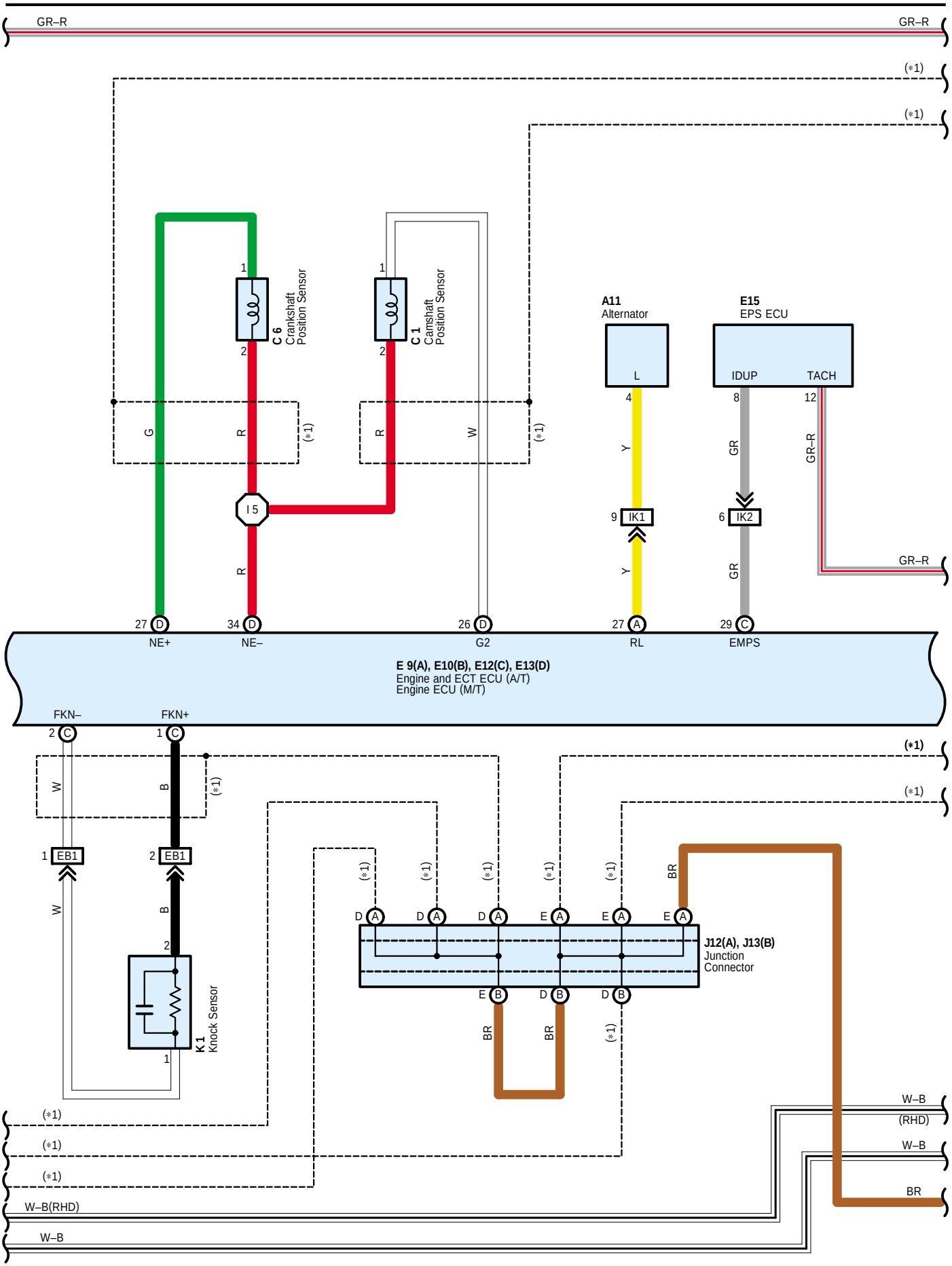


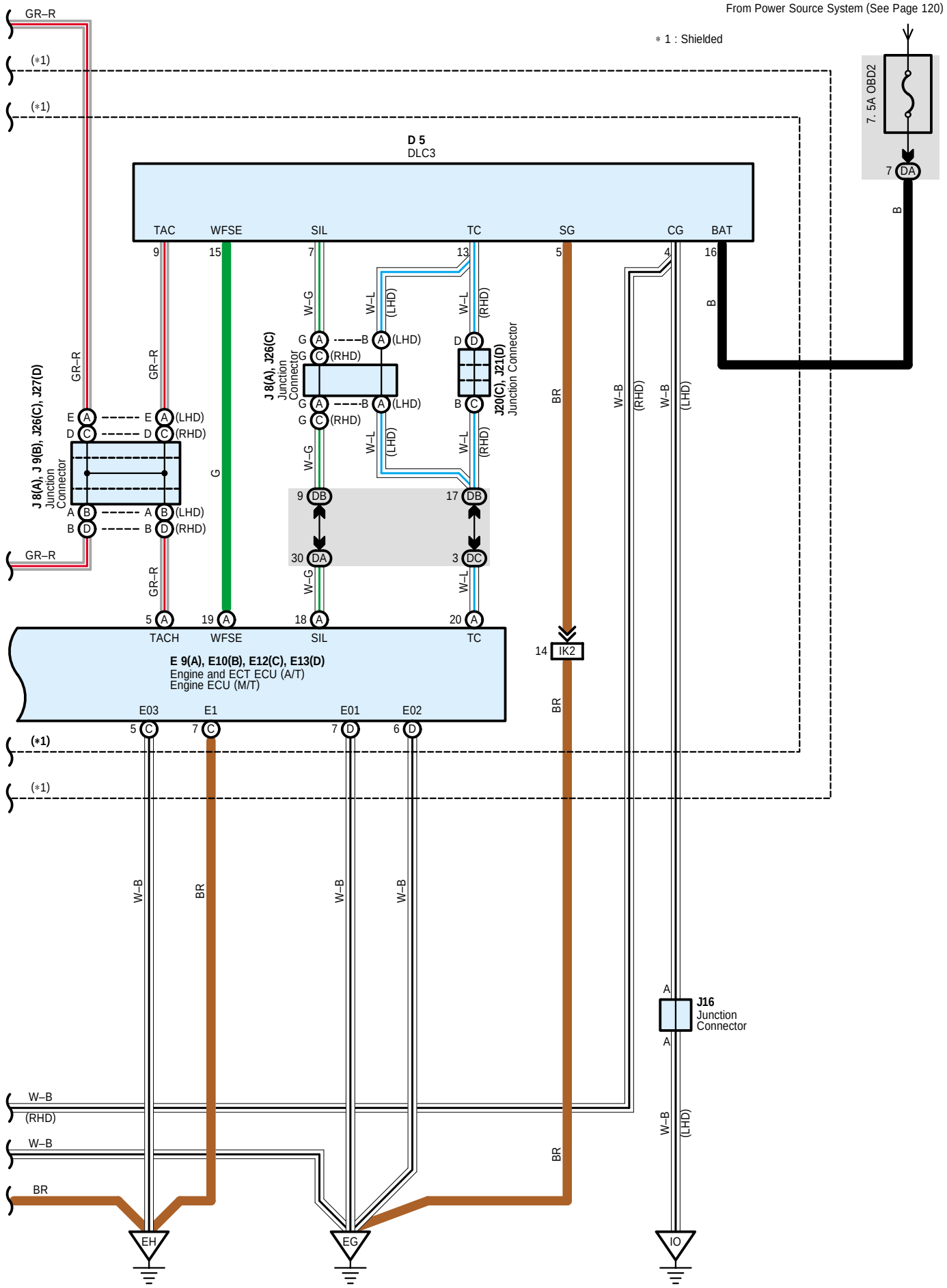

From Power Source System (See Page 120)
7. 5A
DOME
10A
GAUGE1
J10(A), J11(B), J26(C)
Junction
Connector
(LHD)
(RHD)
W–R
R–W
P–B
P
B–W
GR–R
L–W
W–B
V–W
G–Y
B–R
B–W
MPX1
MPX2
I14
Integration Relay
IC1
IE1
SP1
S 2
Skid Control ECU
with Actuator
C10(A), C11(B)
Combination Meter
Speedometer
Tachometer
Temp.
BEAN
I/F
Check
Engine
CPU
IP

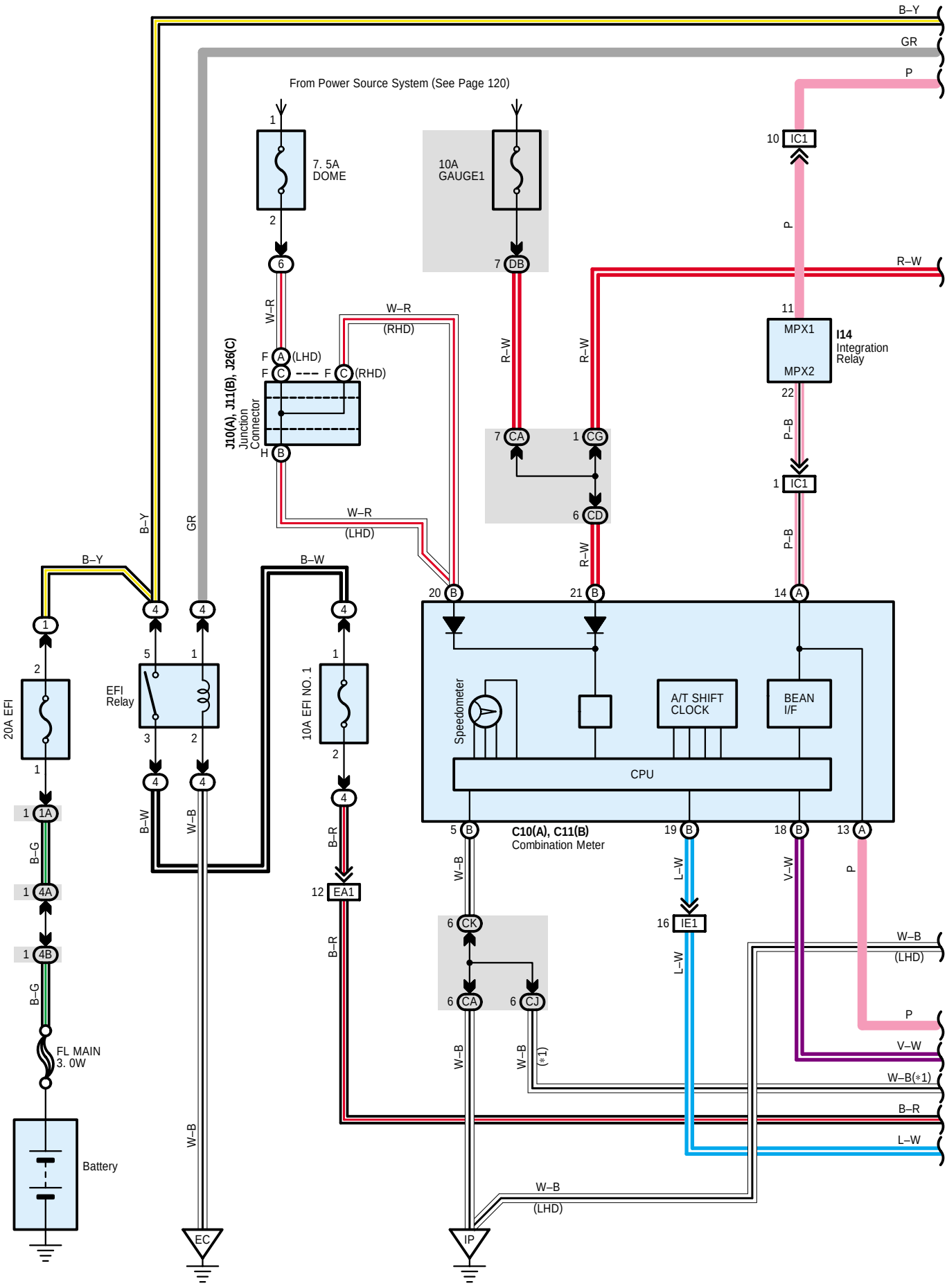

GR–R
GR–R
B–W
R–B
B–Y
GR
P
B–W
R–B
8 EA1
E 3
R–B
R–B
R–B
R–B
R–B
R–B
R–B
2
1
I 5 Injector No. 1
I 6 Injector No. 2
I 7 Injector No. 3
I 8 Injector No. 4
B–R
Y
W
B
P
29 A (*2)
20 B (*3)
MPX–
MPX+
9 A (*2)
10 B (*3)
A13(A), A15(B) A/C Control Assembly
P–B
2 IE1
GR
GR
7 IE3 (LHD)
7 IO1 (RHD)
B–Y
B–Y
B–W
B–W
J 8(A), J26(C), J27(D) Junction Connector
C A --C A --C A (LHD)
A C --A C (RHD)
E D
B–W (LHD)
B–W (RHD)
29 A MPX2
8 A MREL
3 A BATT
1 D #10
2 D #20
3 D #30
4 D #40
9 A IGSW
E 9(A), E10(B), E12(C), E13(D)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
W
MPX1
SPD
FC
+B
RSO
11 A
23 A
17 B
10 A
1 A
5 D
W
P
V–W
G–Y
B–R
G–R
H A (LHD)
H C (RHD)
J10(A), J20(C) Junction Connector
H A (LHD)
H C (RHD)
8 IK1
1
DUTY
GND
VISC
I10 ISC Valve
3
2
W–B
B–R
W
P
V–W
G–Y
B–R
B–R
I 3
B–R
B–R
B–W
B–W
W–B
(RHD)
W–B(RHD)
W–B


GR–R
GR–R
From Power Source System (See Page 120)
∗ 1 : Shielded
∗ 2 : Except Automatic A/C
∗ 3 : Automatic A/C
10A TAIL
7. 5A ST
J30 Junction Connector
J12(A), J13(B) Junction Connector
J10(A), J11(B), J26(C), J27(D) Junction Connector
C 2 Camshaft Timing Oil Control Valve
T 8 Transponder Key Computer
N 1 Neutral Start SW
E 9(A), E10(B), E12(C), E13(D) Engine and ECT ECU (A/T) Engine ECU (M/T)
V 5 VSV (EVAP)
A 6 Air Flow Meter
E 2 EFI Water Temp. Sensor
T 2 Throttle Position Sensor
H 7 Heated Oxygen Sensor (Bank 1 Sensor 1)
OCV+
OCV–
IMO
IMI
ELS2
STA
EVP1
VG
EVG
THA
THW
E2
VC
VTA
HT1A
OX1A
W–G
Y–B
W
GR
G
L–Y
G–R
B–W
BR
R–W
L–W
Y
B
B–R
W–B(RHD)
W–B
B–Y
(M/T)
(A/T)
(∗1)

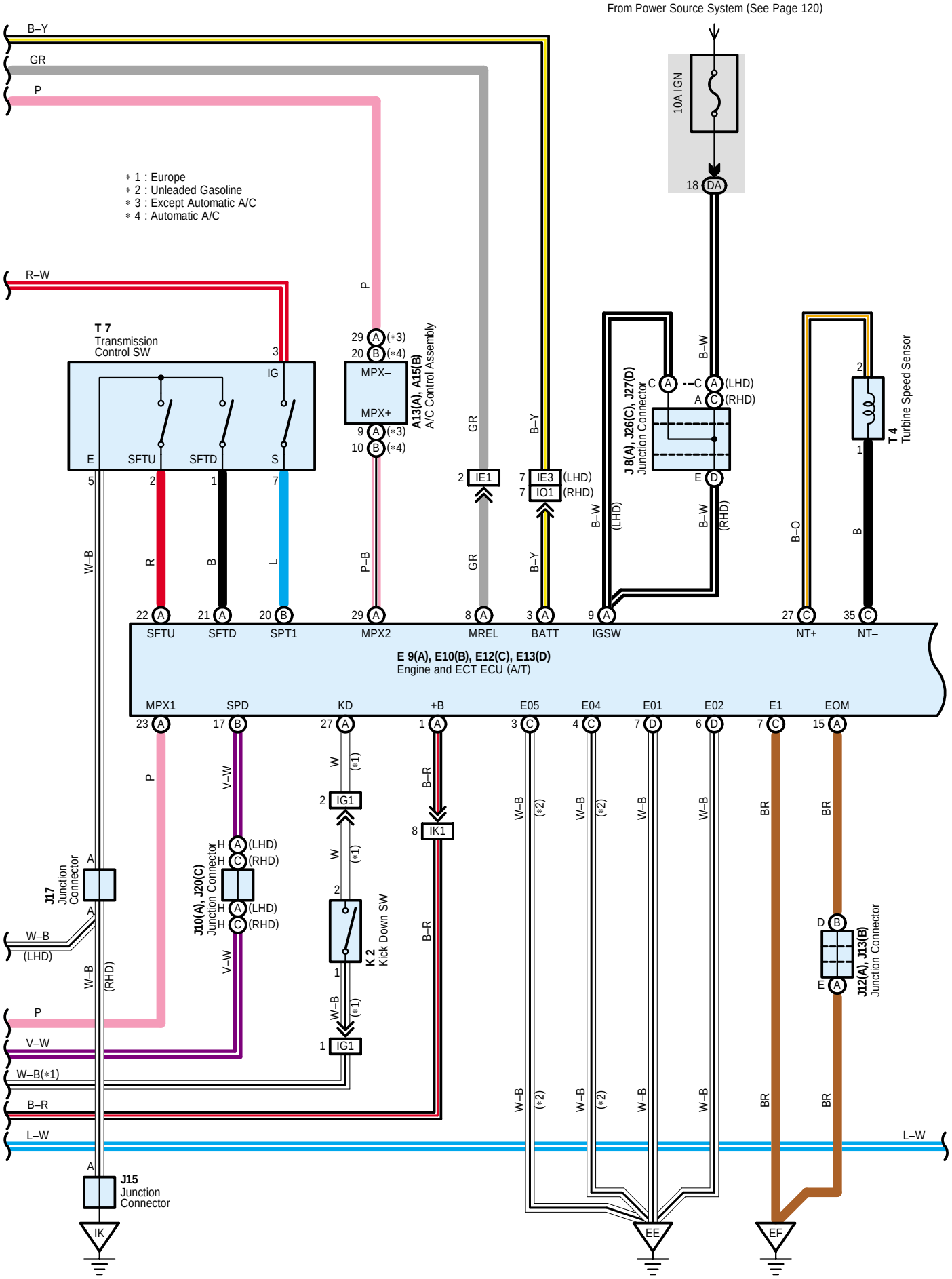

GR–R
GR–R
From Power Source System (See Page 120)
∗ 1 : Shielded
15A
STOP
22 DA
R–W (RHD)
R–W (LHD)
G–W (LHD)
G–W (RHD)
2 IR1
11 IE3
6 IE3
1 IR1
S13
Stop
Light SW
A27
Airbag Sensor Assembly
GSW2
23
LG–B
9 DD
11 DA
2 DA
10 DC
G–W
19 B
STP
14 A
F/PS
FAN NO. 2 Relay
Diode (Fan)
W
7 A
FAN
E 9(A), E10(B), E12(C), E13(D)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
IGT1
IGT2
IGT3
IGT4
IGF
HT1B
OX1B
8 D
9 D
10 D
11 D
23 D
4 B
21 C
R–W
P
LG–B
L–Y
W–R
I 3
B
(∗1)
7 IK2
2 IH2
4 IH2
R
1
3
HT
OX
E1
+B
4
2
H17
Heated Oxygen Sensor
(Bank 1 Sensor 2)
3 IGT
2 IGF
I 1
Ignition Coil
and Igniter No. 1
I 2
Ignition Coil
and Igniter No. 2
I 3
Ignition Coil
and Igniter No. 3
I 4
Ignition Coil
and Igniter No. 4
BR
18 IK2
3 IH2
B–W
10 IK1
1 IH2
W–B(RHD)
W–B


GR–R
GR–R
(*1)
(*1)
C 6
Crankshaft
Position Sensor
C 1
Camshaft
Position Sensor
A11
Alternator
L
E15
EPS ECU
IDUP
TACH
G
R
R
W
Y
GR
GR–R
I 5
IK1
IK2
27 D
NE+
34 D
NE–
26 D
G2
27 A
RL
29 C
EMPS
E 9(A), E10(B), E12(C), E13(D)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
FKN–
FKN+
W
B
EB1
K1
Knock Sensor
BR
J12(A), J13(B)
Junction
Connector
W–B
(RHD)
W–B
BR
W–B(RHD)
W–B

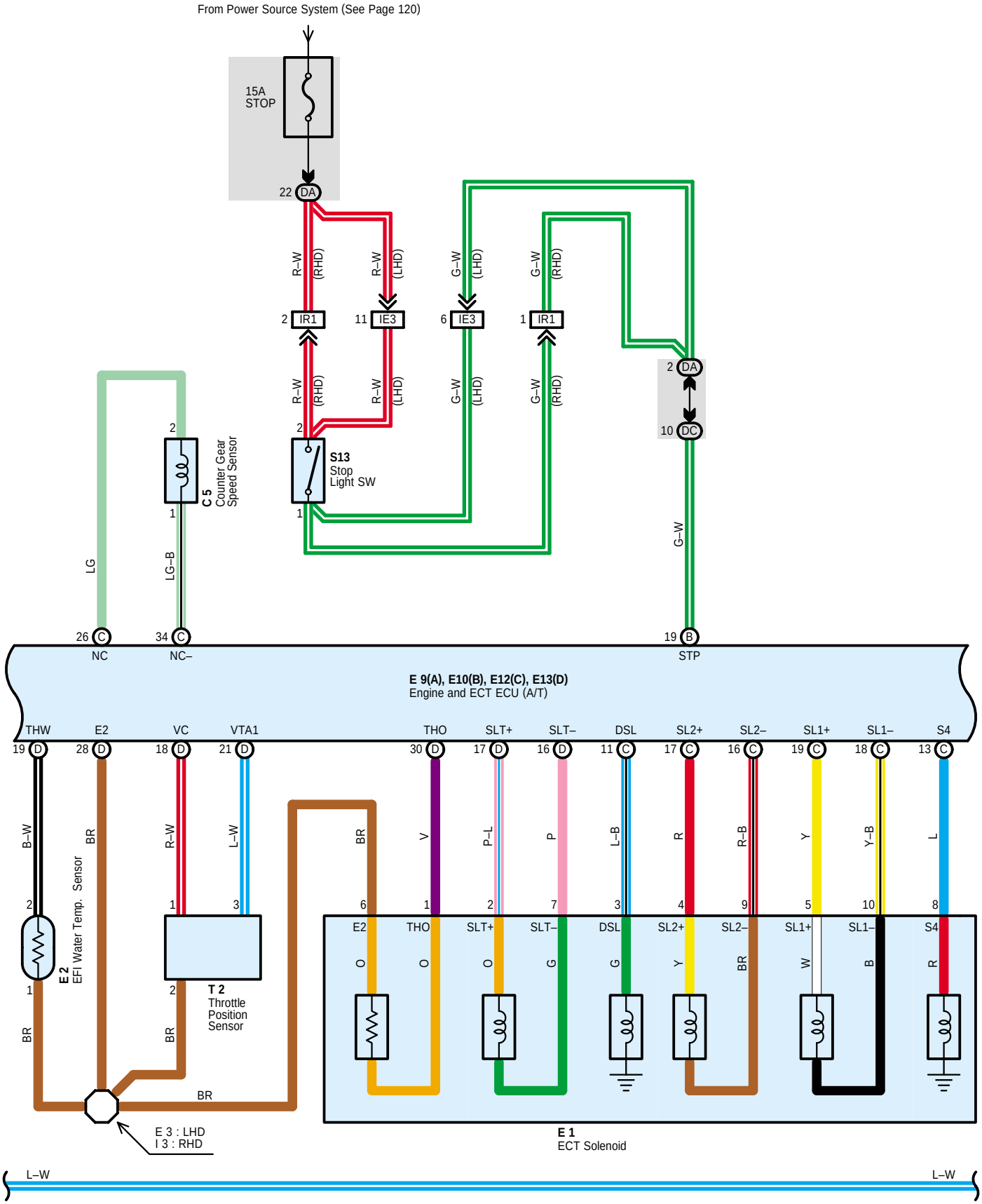

From Power Source System (See Page 120)
∗ 1 : Shielded
7. 5A OBD2
7 DA
B
D 5
DLC3
TAC
WFSE
SIL
TC
SG
CG
BAT
9
15
7
13
5
4
16
GR–R
G
W–G
W–L
(LHD)
(RHD)
J 8(A), J26(C)
Junction Connector
J20(C), J21(D)
Junction Connector
J 8(A), J 9(B), J26(C), J27(D)
Junction Connector
9 DB
17 DB
30 DA
3 DC
BR
W–B
14 IK2
E 9(A), E10(B), E12(C), E13(D)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
TACH
E03
E1
E01
E02
(∗1)
J16
Junction Connector
EH
EG
IO

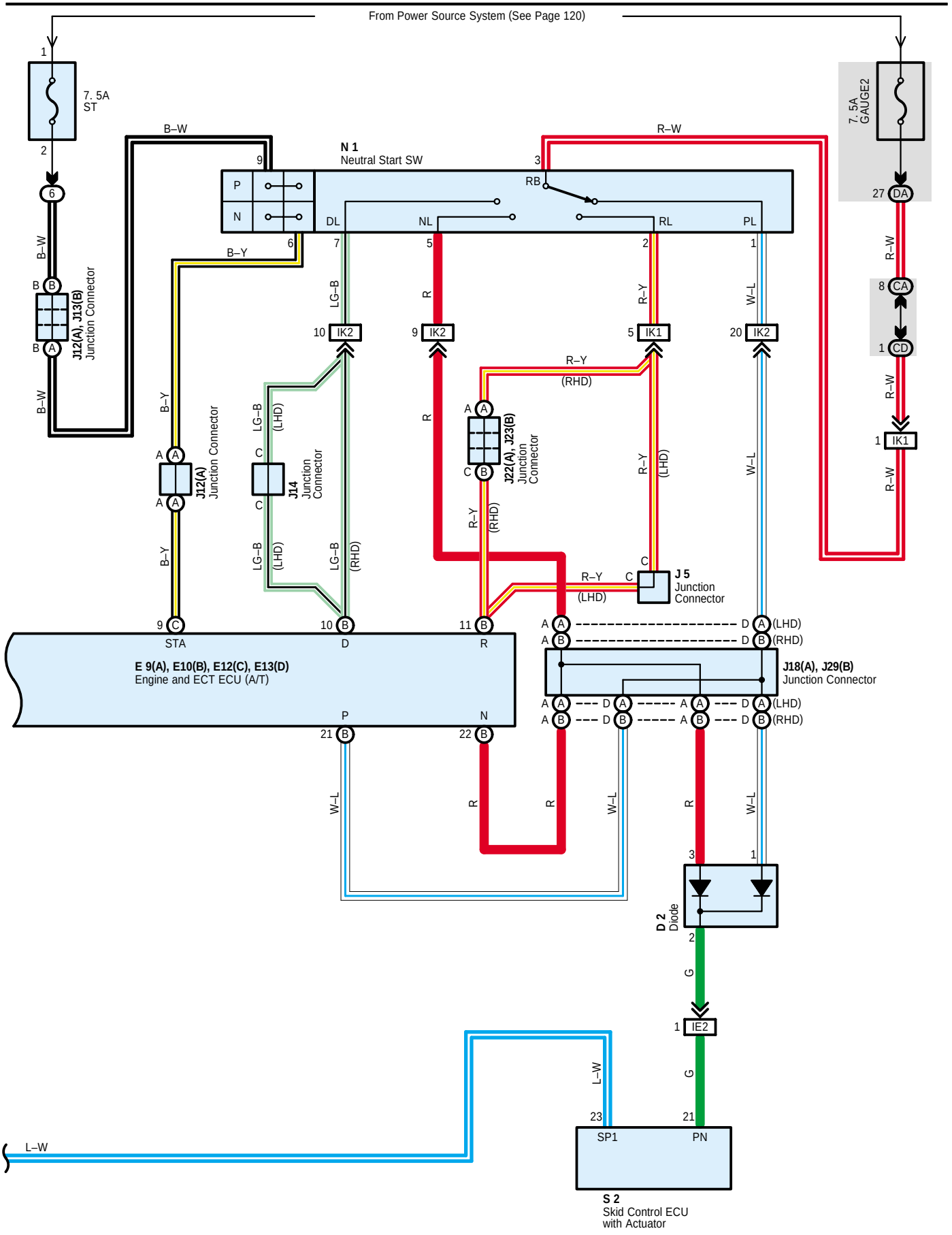

From Power Source System (See Page 120)
7. 5A
DOME
10A
GAUGE1
10 IC1
P
R–W
11
MPX1
MPX2
I14
Integration
Relay
22
P–B
1 IC1
P–B
W–R
(RHD)
W–R
(LHD)
J10(A), J11(B), J26(C)
Junction
Connector
F A (LHD)
F C (RHD)
H B
7 DB
7 CA
1 CG
6 CD
R–W
B–Y
GR
B–W
20 B
21 B
14 A
20A EFI
EFI
Relay
10A EFI NO. 1
Speedometer
A/T SHIFT
CLOCK
BEAN
I/F
CPU
C10(A), C11(B)
Combination Meter
5 B
19 B
18 B
13 A
W–B
L–W
V–W
P
12 EA1
B–R
6 CK
16 IE1
6 CA
6 CJ
(*1)
W–B(*1)
W–B
(LHD)
1A
4A
4B
B–G
FL MAIN
3. 0W
Battery
EC
IP

From Power Source System (See Page 120)

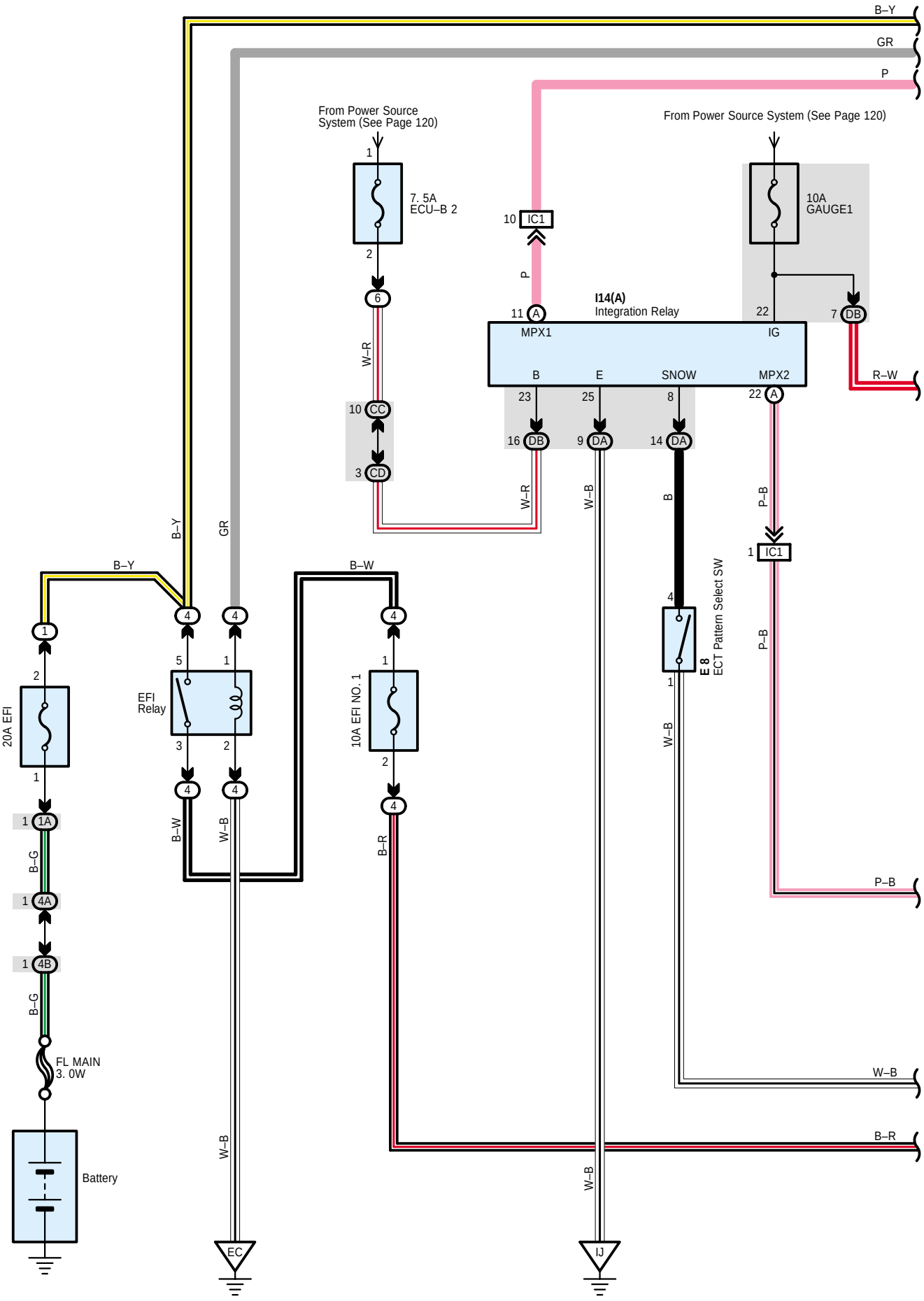


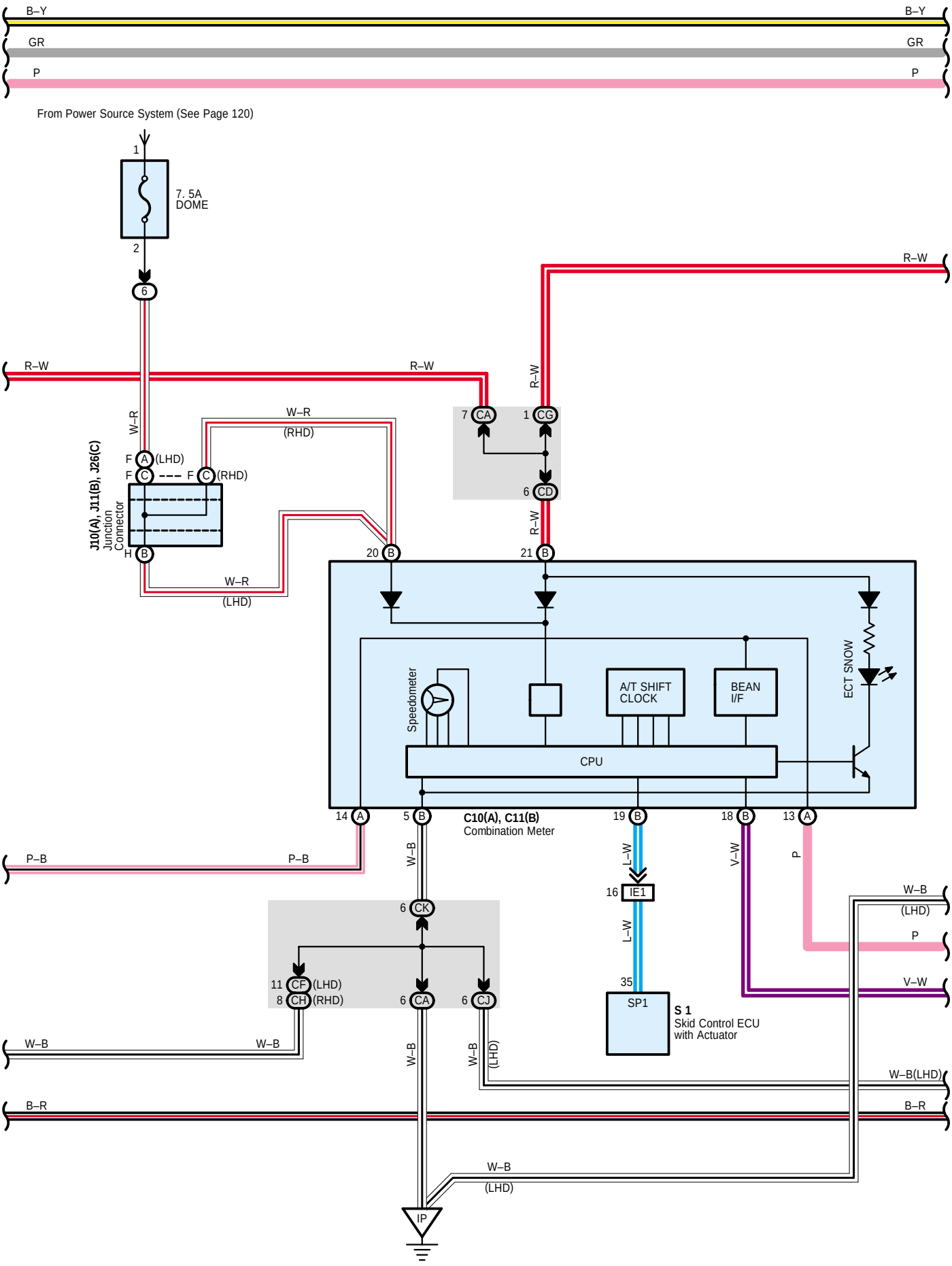
ECT and A/T Indicator (1AZ–FE)



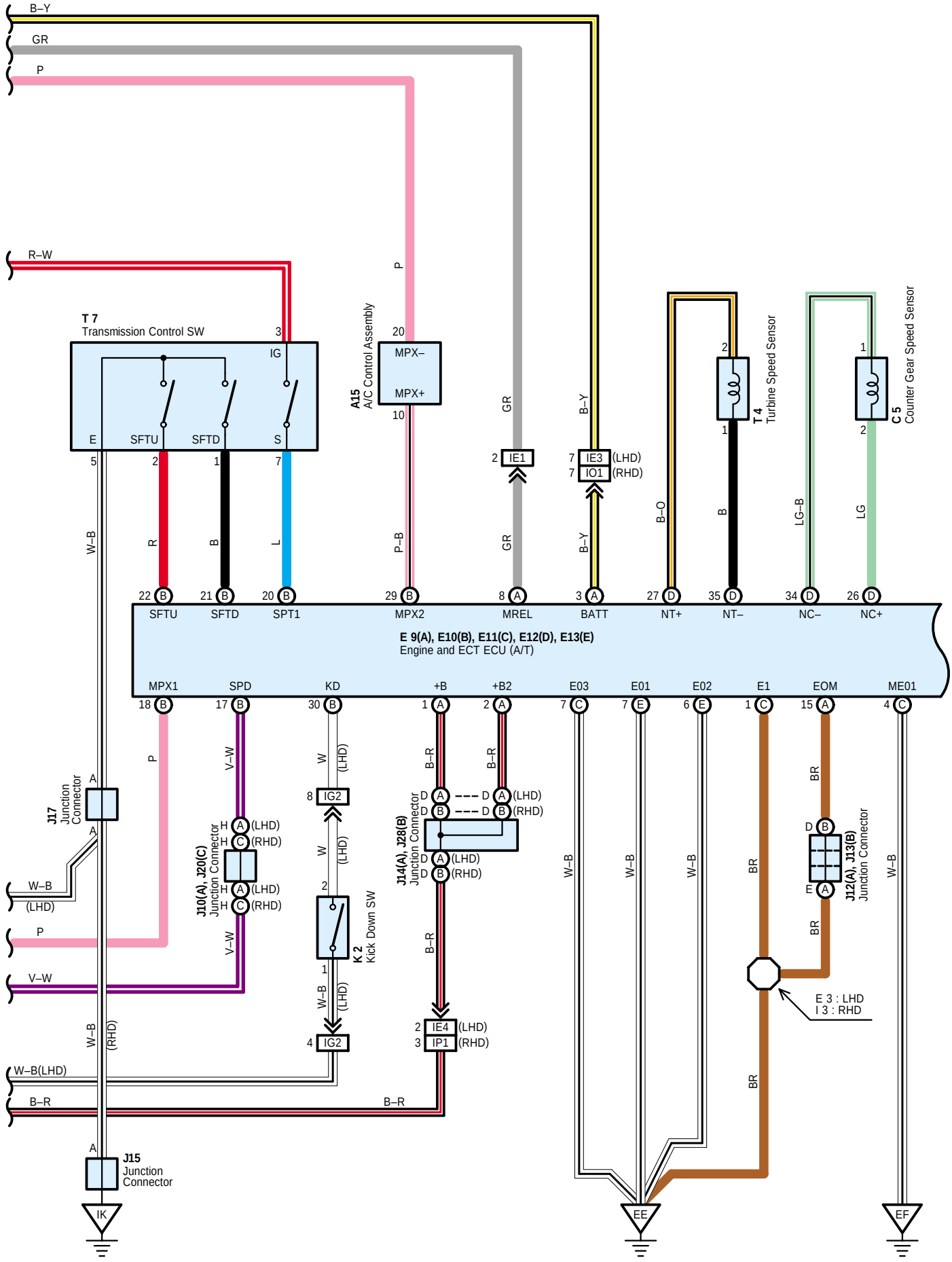

From Power Source System (See Page 120)
7. 5A
ST
7. 5A
GAUGE2
B–W
R–W
N 1
Neutral Start SW
P
N
RB
DL
NL
RL
PL
B–Y
LG–B
R
R–Y
W–L
IK2
IK1
J12(A), J13(B)
Junction Connector
J12(A)
Junction Connector
J14
Junction Connector
J22(A), J23(B)
Junction Connector
J 5
Junction
Connector
(LHD)
(RHD)
DA
CA
CD
STA
D
R
E 9(A), E10(B), E12(C), E13(D)
Engine and ECT ECU (A/T)
J18(A), J29(B)
Junction Connector
P
N
D 2
Diode
G
IE2
L–W
SP1
PN
S 2
Skid Control ECU
with Actuator

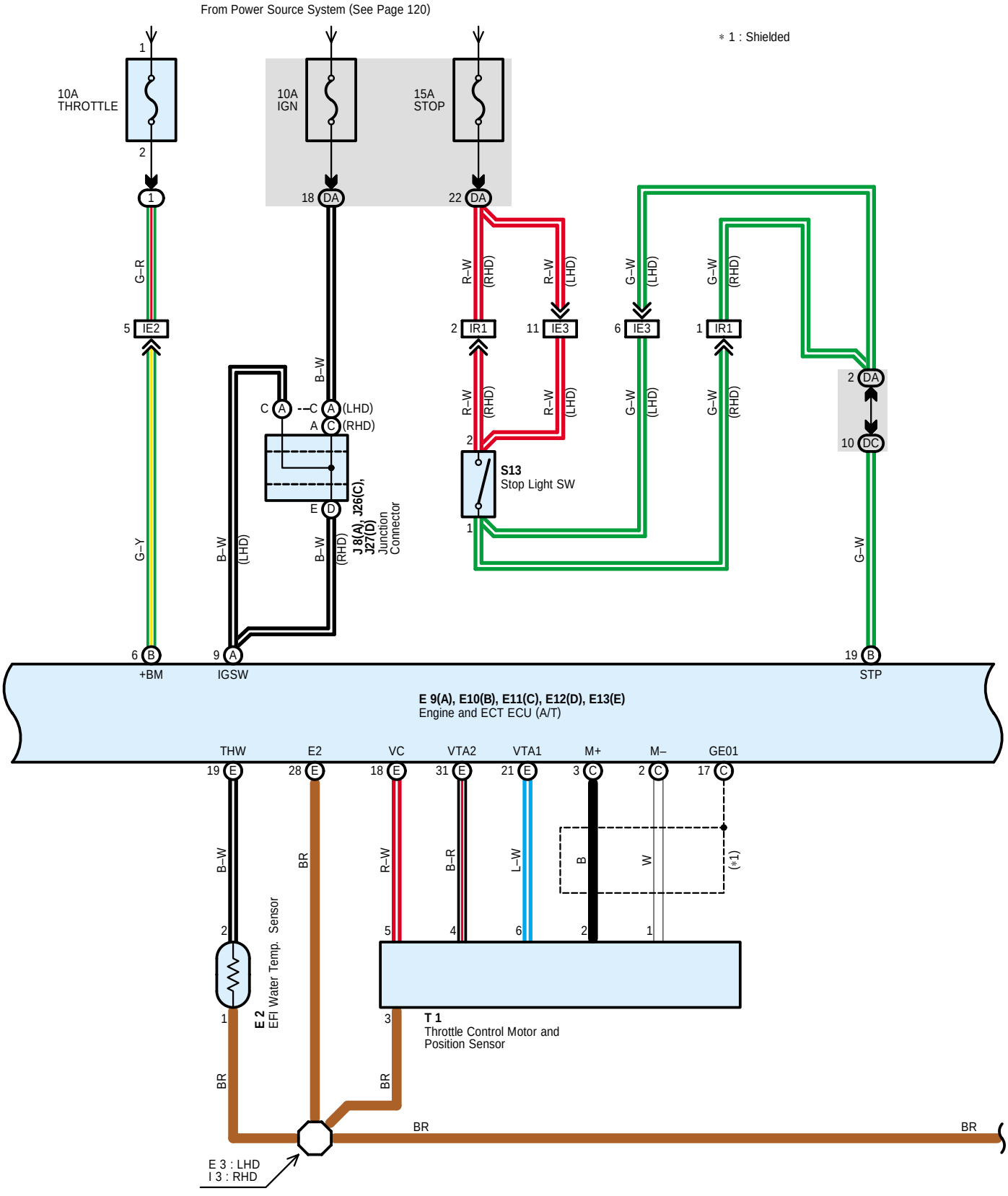
ECT and A/T Indicator (1AZ–FSE)



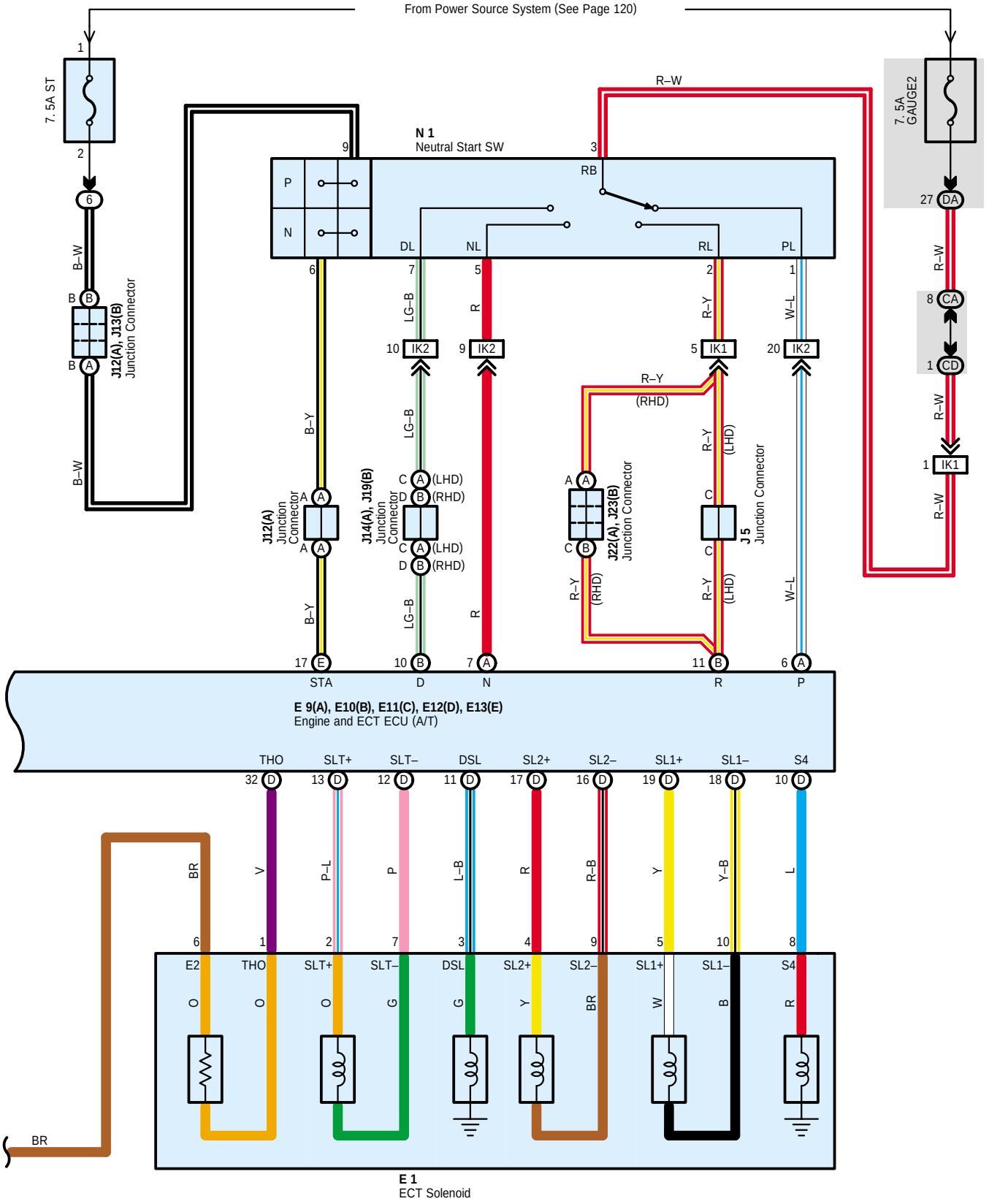

B–Y
B–Y
GR
GR
P
P
From Power Source System (See Page 120)
1
7. 5A
DOME
2
6
R–W
R–W
R–W
R–W
W–R
W–R
(RHD)
7 CA
1 CG
6 CD
R–W
F A (LHD)
F C --- F C (RHD)
J10(A), J11(B), J26(C)
Junction
Connector
H B
20 B
21 B
W–R
(LHD)
Speedometer
A/T SHIFT
CLOCK
BEAN
I/F
ECT SNOW
CPU
14 A
5 B
C10(A), C11(B)
Combination Meter
19 B
18 B
13 A
P–B
P–B
W–B
L–W
V–W
P
16 IE1
W–B
(LHD)
L–W
P
6 CK
35
V–W
11 CF (LHD)
8 CH (RHD)
6 CA
6 CJ
SP1
S 1
Skid Control ECU
with Actuator
W–B
W–B
W–B
W–B
(LHD)
W–B(LHD)
B–R
B–R
W–B
(LHD)
IP

ECT and A/T Indicator (1AZ–FSE)

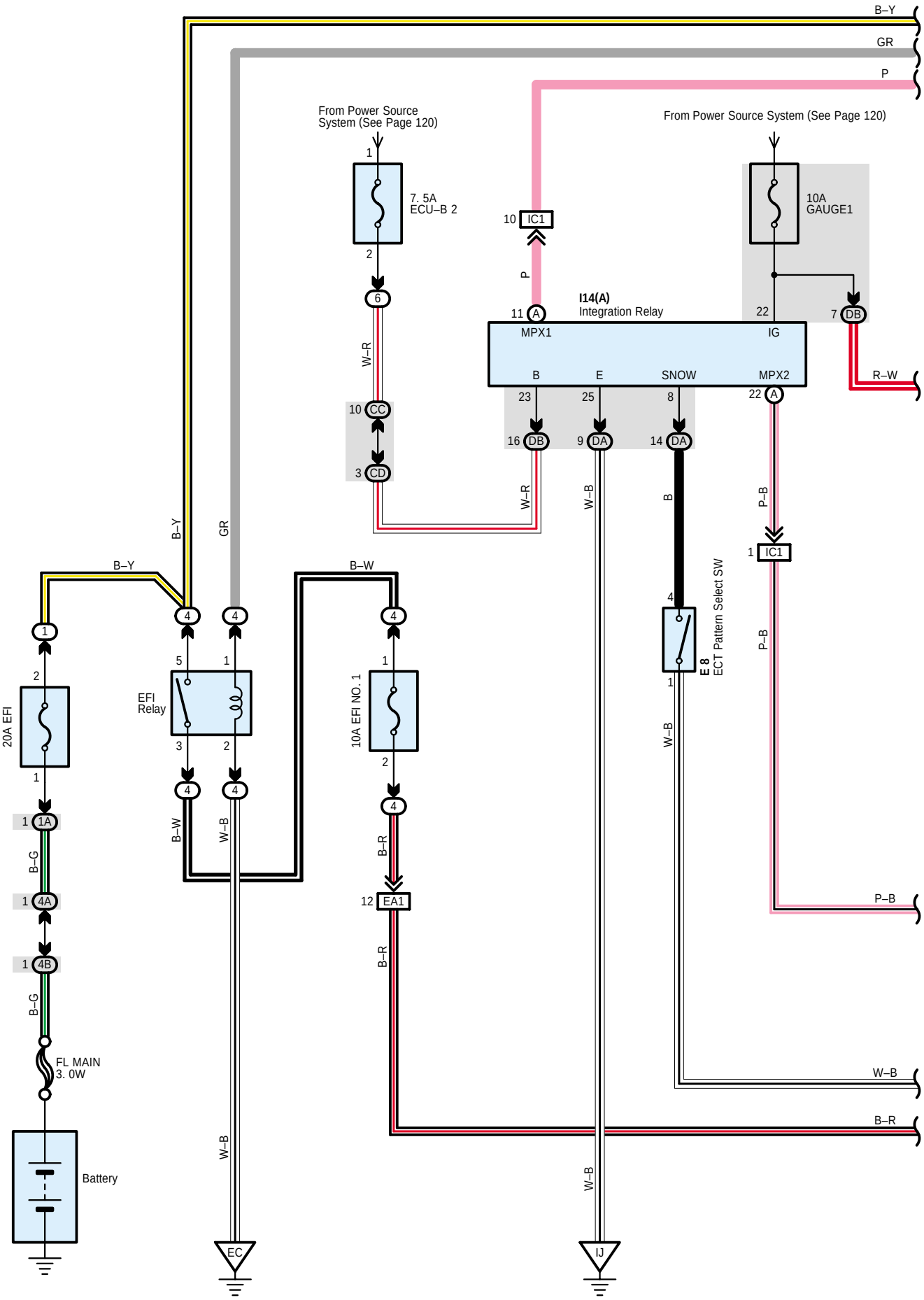


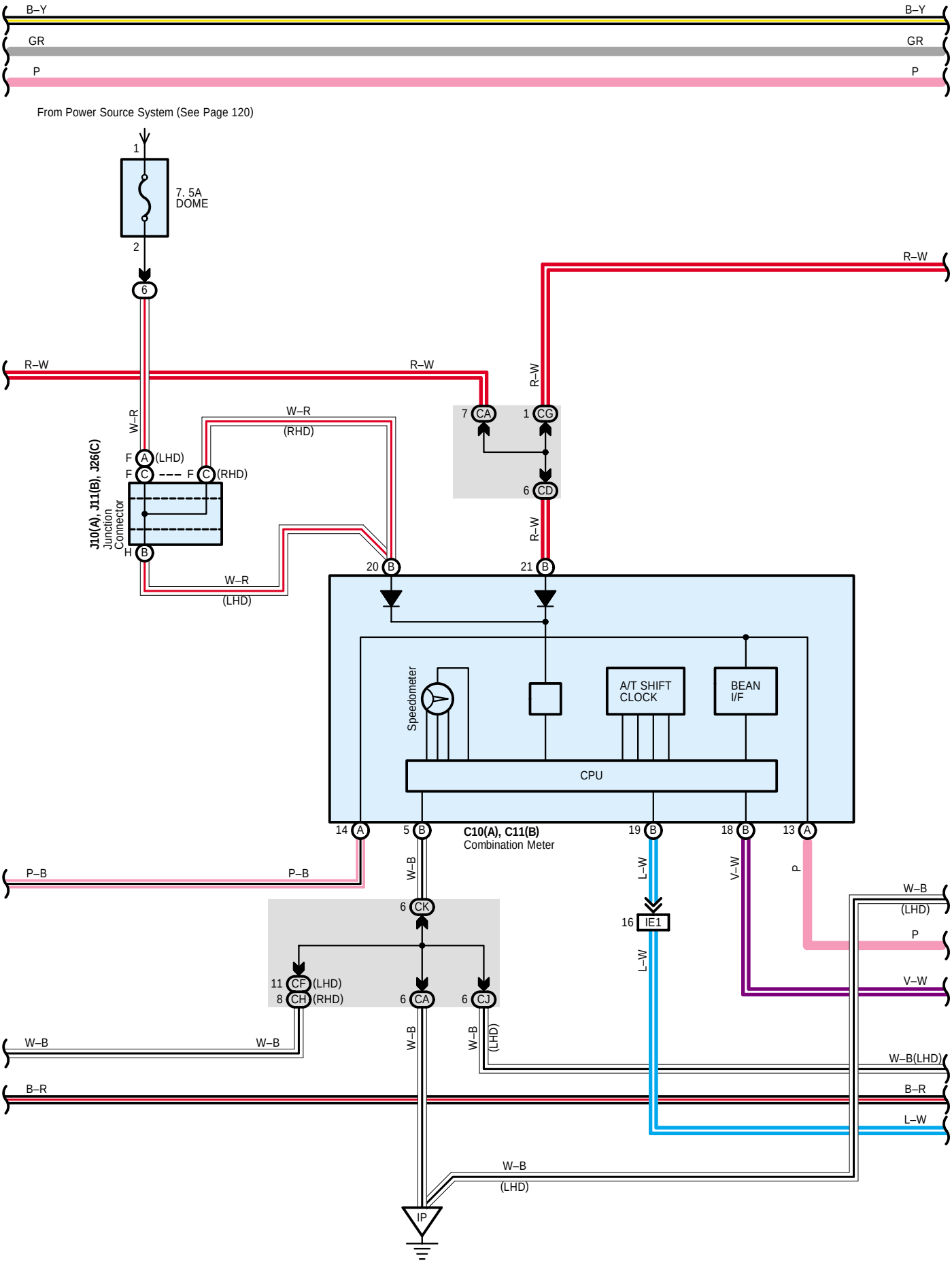

From Power Source System (See Page 120)
* 1 : Shielded
10A THROTTLE
10A IGN
15A STOP
G–R
G–Y
B–W
R–W (RHD)
R–W (LHD)
G–W (LHD)
G–W (RHD)
IE2
IE3
IR1
S13
Stop Light SW
J 8(A), J26(C), J27(D) Junction Connector
+BM
IGSW
STP
E 9(A), E10(B), E11(C), E12(D), E13(E)
Engine and ECT ECU (A/T)
THW
E2
VC
VTA2
VTA1
M+
M–
GE01
BR
R–W
B–R
L–W
B
W
(*1)
E 2
EFI Water Temp. Sensor
T 1
Throttle Control Motor and Position Sensor
E 3 : LHD
I 3 : RHD

ECT and A/T Indicator (1AZ–FSE)

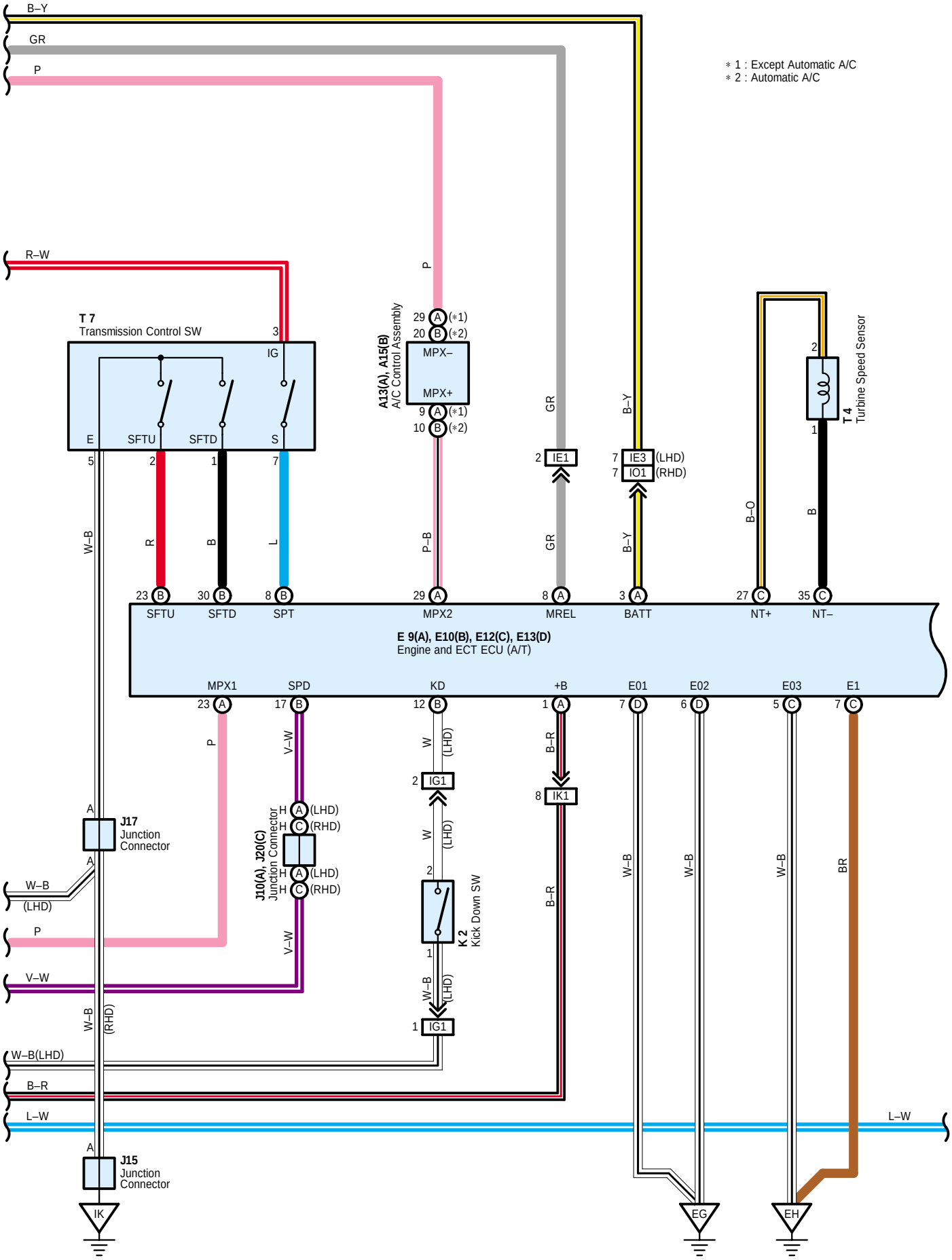


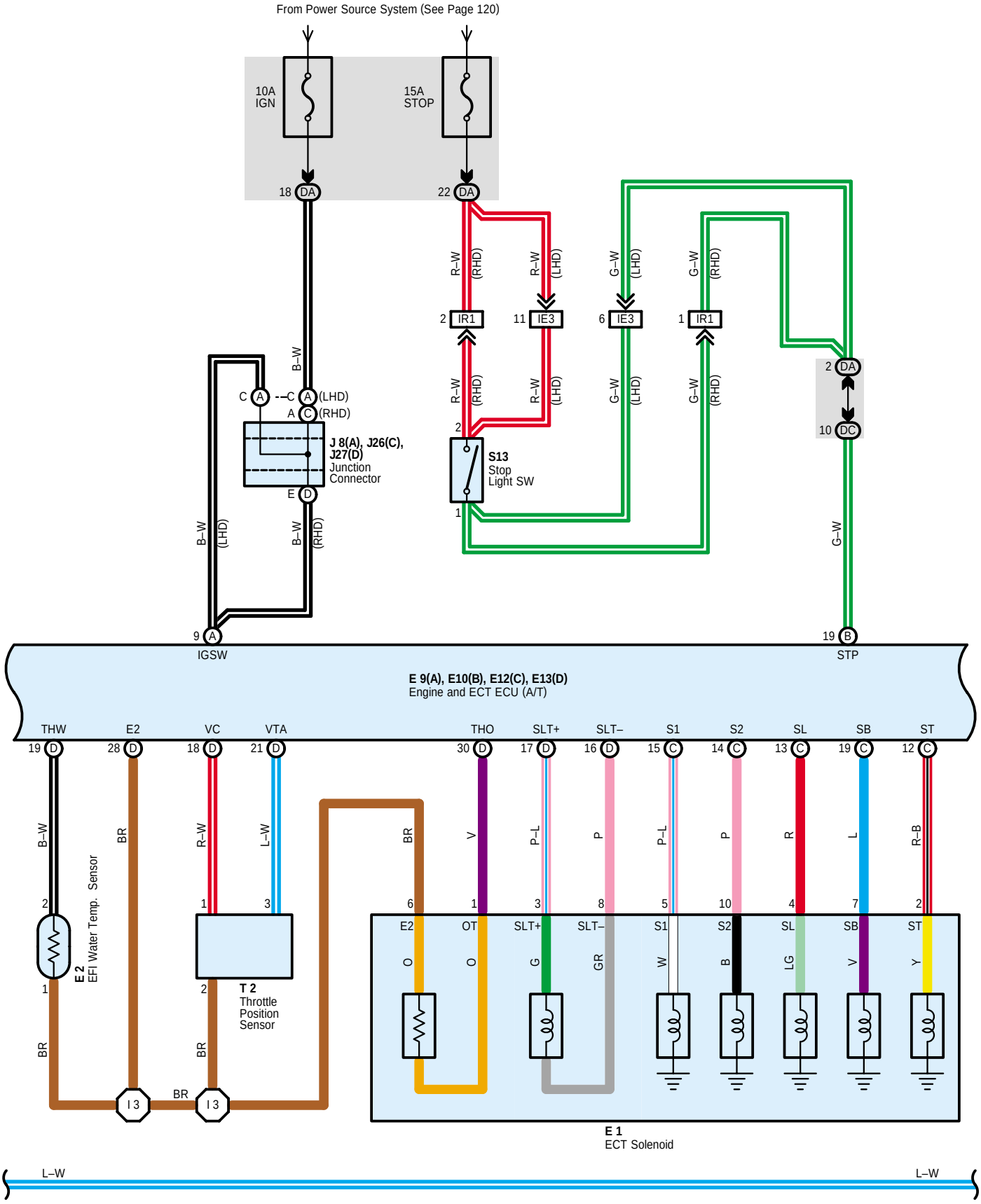
ECT and A/T Indicator (1ZZ–FE)

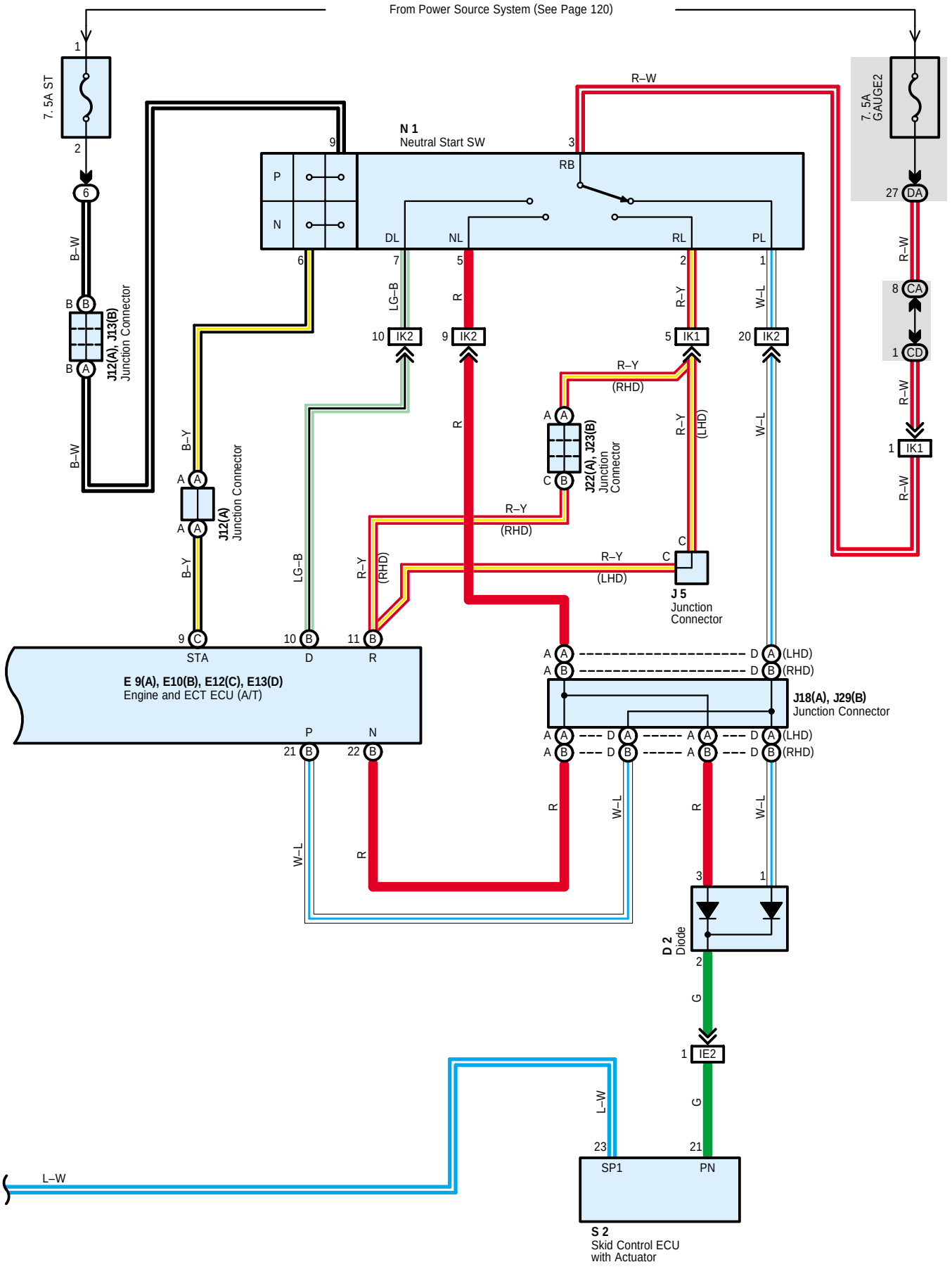



B–Y
B–Y
GR
GR
P
P
From Power Source System (See Page 120)
1
7. 5A
DOME
2
6
R–W
R–W
R–W
R–W
W–R
W–R
(RHD)
7 CA
1 CG
6 CD
F A (LHD)
F C --- F C (RHD)
J10(A), J11(B), J26(C)
Junction
Connector
H B
W–R
(LHD)
20 B
21 B
Speedometer
A/T SHIFT
CLOCK
BEAN
I/F
CPU
14 A
5 B
C10(A), C11(B)
Combination Meter
19 B
18 B
13 A
P–B
P–B
W–B
L–W
V–W
P
6 CK
16 IE1
W–B
(LHD)
P
V–W
11 CF (LHD)
8 CH (RHD)
6 CA
6 CJ
W–B
W–B
W–B
W–B
(LHD)
W–B(LHD)
B–R
B–R
L–W
W–B
(LHD)
IP

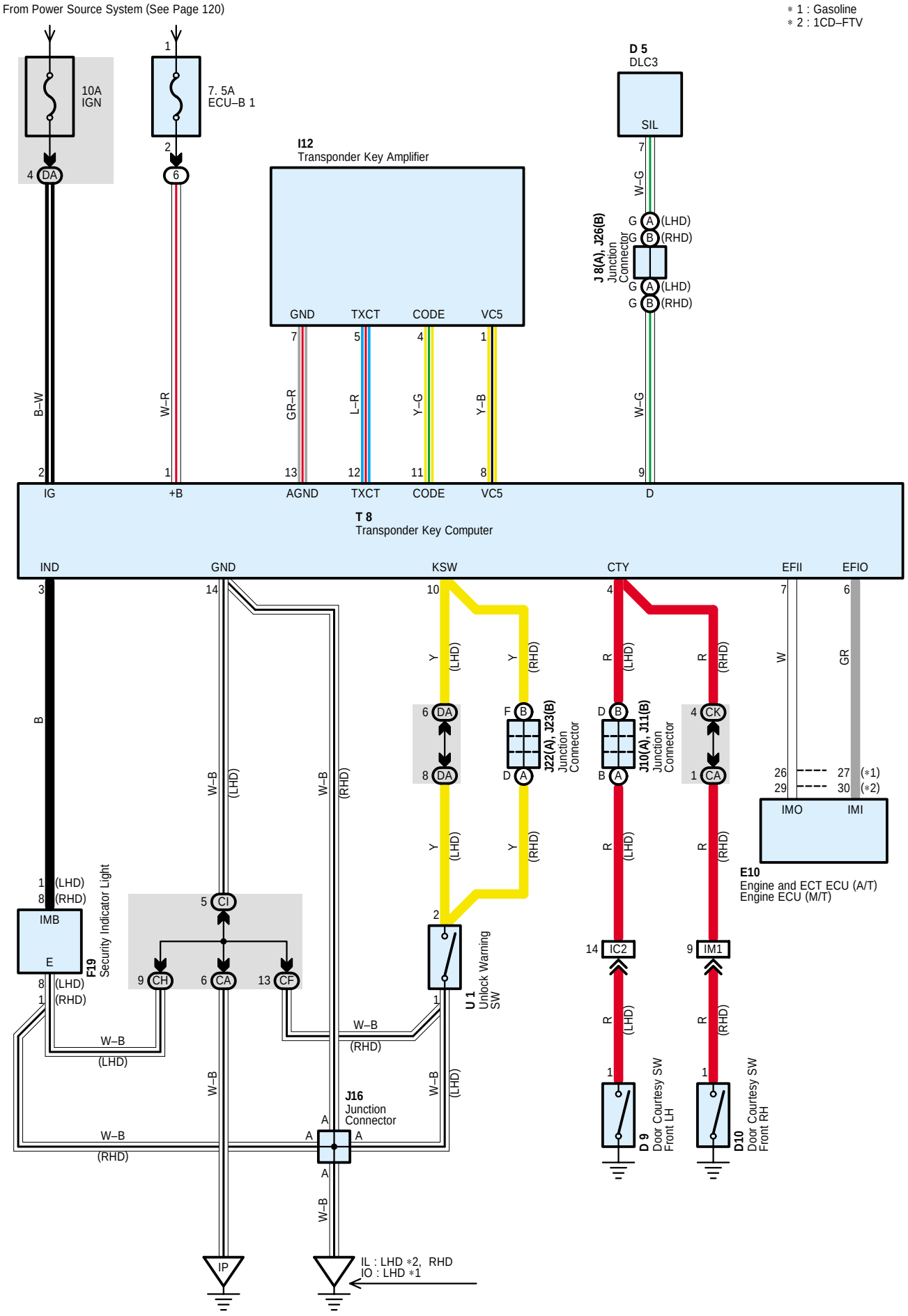
ECT and A/T Indicator (1ZZ–FE)

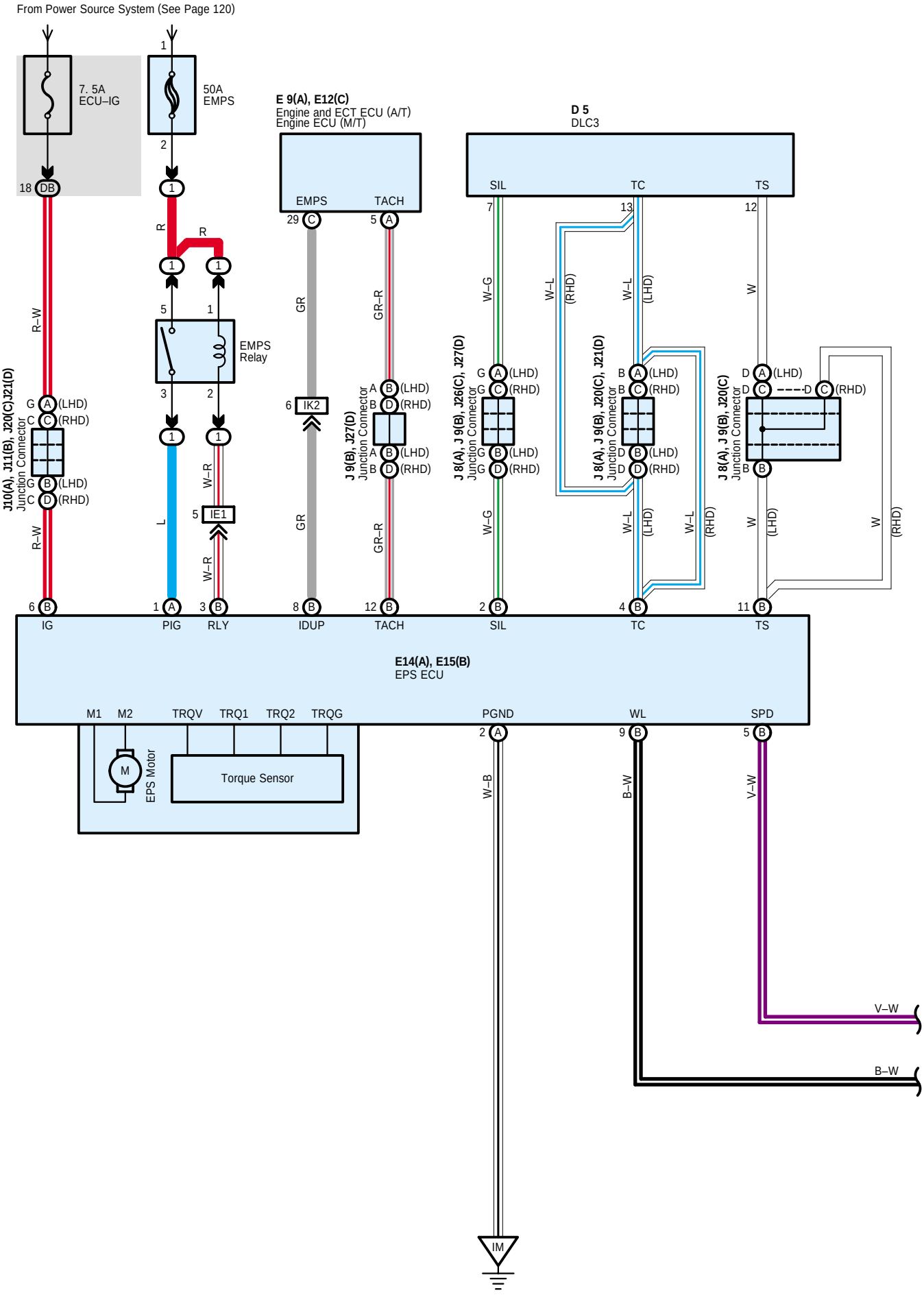


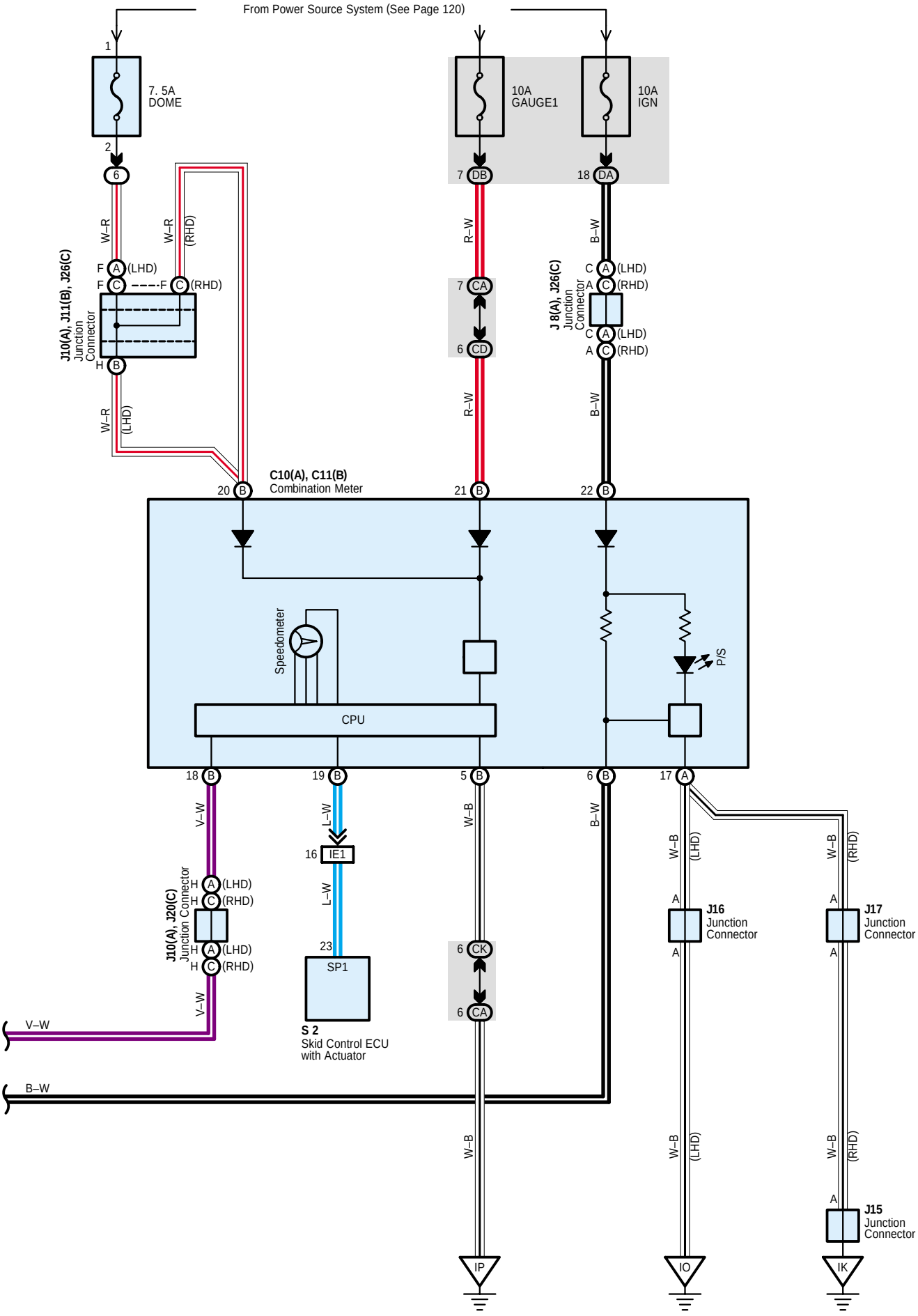

From Power Source System (See Page 120)
10A
IGN
15A
STOP
18 DA
22 DA
B–W
C A (LHD)
A C (RHD)
J 8(A), J26(C),
J27(D)
Junction
Connector
E D
B–W (LHD)
B–W (RHD)
9 A
IGSW
R–W (RHD)
R–W (LHD)
G–W (LHD)
G–W (RHD)
2 IR1
11 IE3
6 IE3
1 IR1
2
S13
Stop
Light SW
1
2 DA
10 DC
G–W
19 B
STP
E 9(A), E10(B), E12(C), E13(D)
Engine and ECT ECU (A/T)
THW
E2
VC
VTA
THO
SLT+
SLT–
S1
S2
SL
SB
ST
19 D
28 D
18 D
21 D
30 D
17 D
16 D
15 C
14 C
13 C
19 C
12 C
B–W
BR
R–W
L–W
BR
V
P–L
P
P–L
P
R
L
R–B
2
1
3
6
1
3
8
5
10
4
7
2
E2
OT
SLT+
SLT–
S1
S2
SL
SB
ST
O
O
G
GR
W
B
LG
V
Y
E 2
EFI Water Temp. Sensor
1
BR
T 2
Throttle
Position
Sensor
2
BR
I 3
BR
I 3
E 1
ECT Solenoid
L–W
L–W

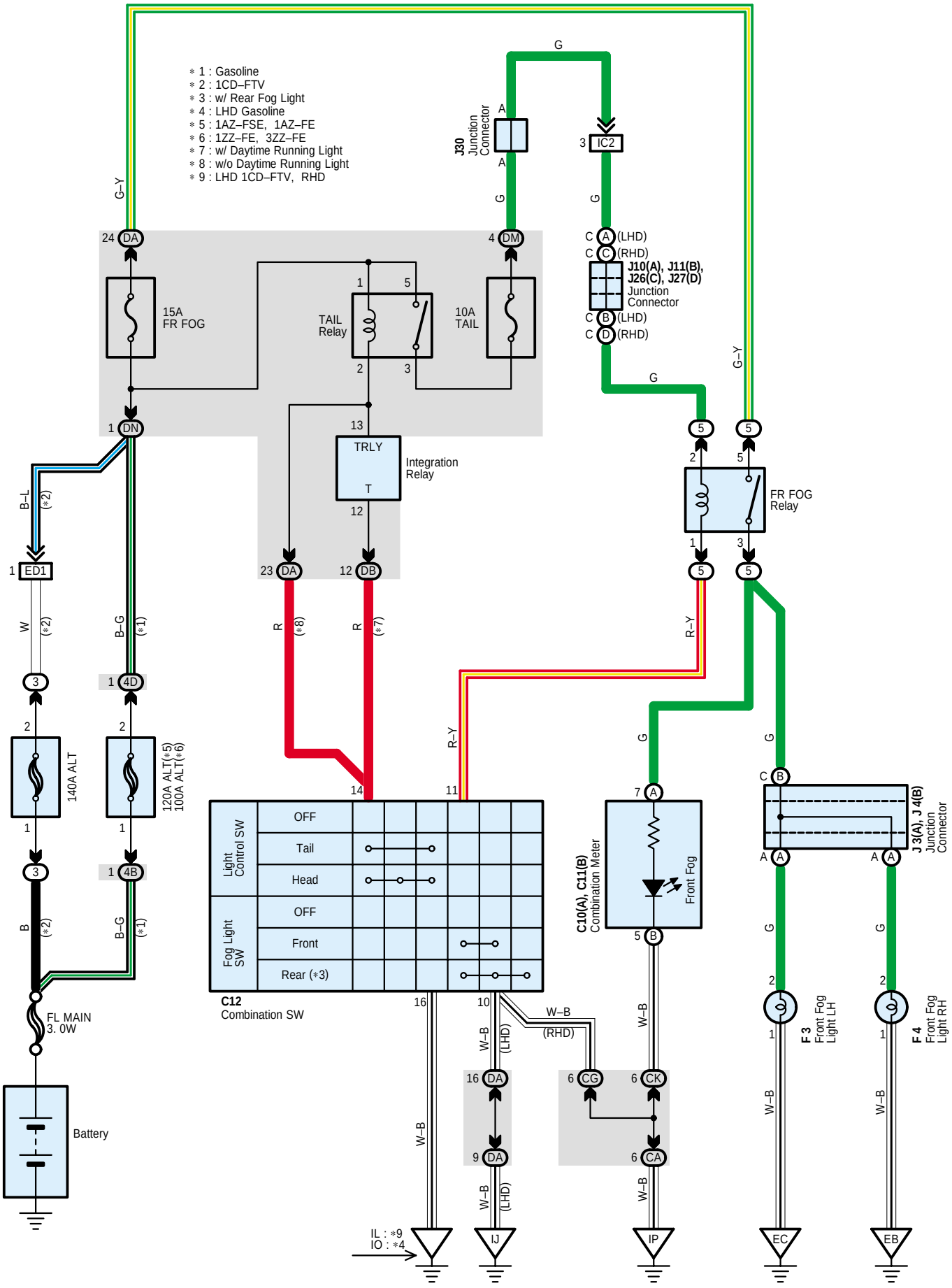

From Power Source System (See Page 120)
7. 5A ST
7. 5A GAUGE2
N 1
Neutral Start SW
P
N
RB
DL
NL
RL
PL
R–W
B–W
B–Y
LG–B
R
R–Y
W–L
L–W
G
J12(A), J13(B) Junction Connector
J12(A) Junction Connector
J22(A), J23(B) Junction Connector
J18(A), J29(B) Junction Connector
J 5 Junction Connector
E 9(A), E10(B), E12(C), E13(D) Engine and ECT ECU (A/T)
STA
D
R
P
N
(RHD)
(LHD)
D 2 Diode
IK1
IK2
IE2
CA
CD
DA
S 2 Skid Control ECU with Actuator
SP1
PN

Engine Immobiliser System

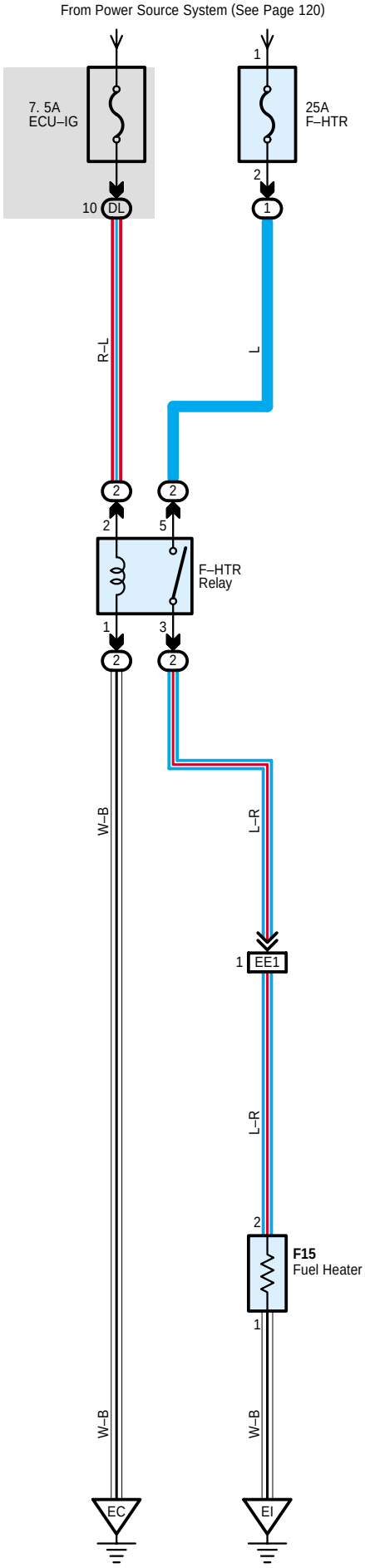



From Power Source System (See Page 120)
7. 5A
ECU–IG
50A
EMPS
18 DB
E 9(A), E12(C)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
EMPS
TACH
29 C
5 A
D 5
DLC3
SIL
TC
TS
7
13
12
R–W
R
GR
GR–R
W–G
W–L
(RHD)
W–L
(LHD)
W
EMPS
Relay
IK2
IE1
L
W–R
W–R
J10(A), J11(B), J20(C),J21(D)
Junction Connector
J 9(B), J27(D)
Junction Connector
J 8(A), J 9(B), J26(C), J27(D)
Junction Connector
J 8(A), J 9(B), J20(C), J21(D)
Junction Connector
J 8(A), J 9(B), J20(C)
Junction Connector
(LHD)
(RHD)
6 B
IG
1 A
PIG
3 B
RLY
8 B
IDUP
12 B
TACH
2 B
SIL
4 B
TC
11 B
TS
E14(A), E15(B)
EPS ECU
M1
M2
TRQV
TRQ1
TRQ2
TRQG
PGND
WL
SPD
M
EPS Motor
Torque Sensor
2 A
9 B
5 B
W–B
B–W
V–W
V–W
B–W
IM

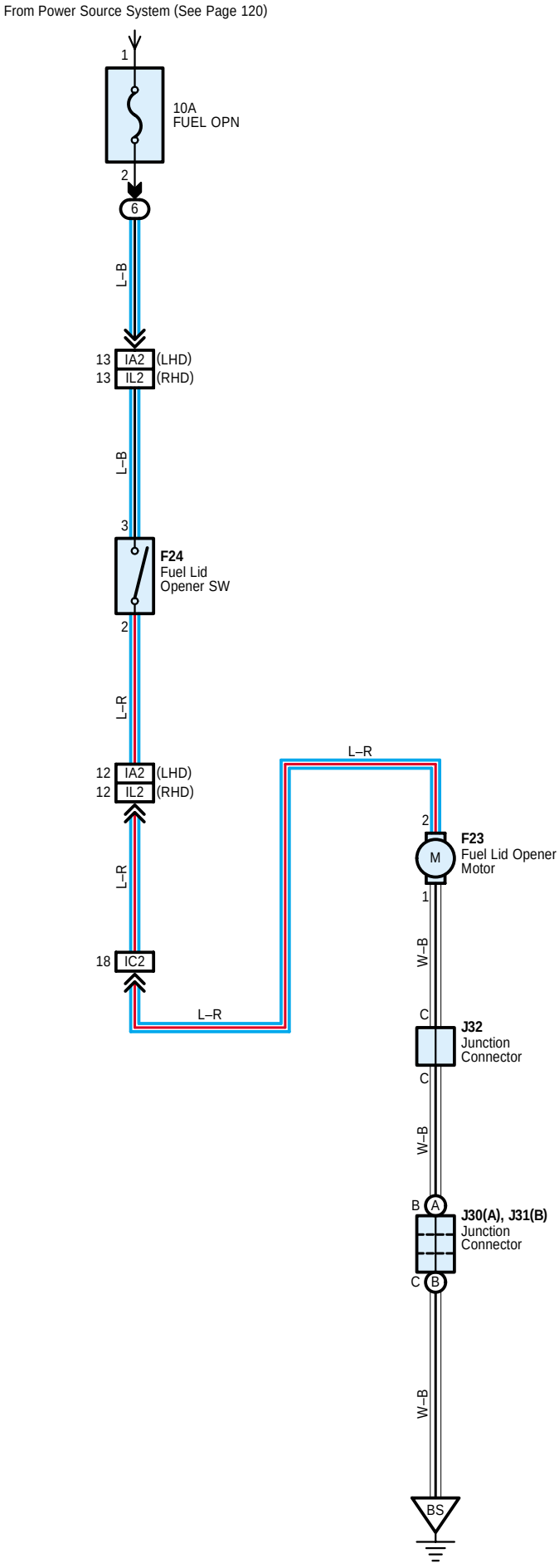

From Power Source System (See Page 120)
1
7. 5A
DOME
2
10A
GAUGE1
10A
IGN
7 DB
18 DA
6
W–R
W–R
(RHD)
F A (LHD)
F C F C (RHD)
J10(A), J11(B), J26(C)
Junction
Connector
H B
W–R
(LHD)
R–W
7 CA
6 CD
R–W
B–W
C A (LHD)
A C (RHD)
J 8(A), J26(C)
Junction
Connector
C A (LHD)
A C (RHD)
B–W
C10(A), C11(B)
Combination Meter
20 B
21 B
22 B
Speedometer
CPU
P/S
18 B
19 B
5 B
6 B
17 A
V–W
L–W
W–B
B–W
W–B
(LHD)
W–B
(RHD)
16 IE1
L–W
J10(A), J20(C)
Junction Connector
H A (LHD)
H C (RHD)
H A (LHD)
H C (RHD)
V–W
23
SP1
6 CK
6 CA
A
J16
Junction
Connector
A
A
J17
Junction
Connector
A
V–W
S 2
Skid Control ECU
with Actuator
B–W
W–B
(LHD)
W–B
(RHD)
A
J15
Junction
Connector
IP
IO
IK

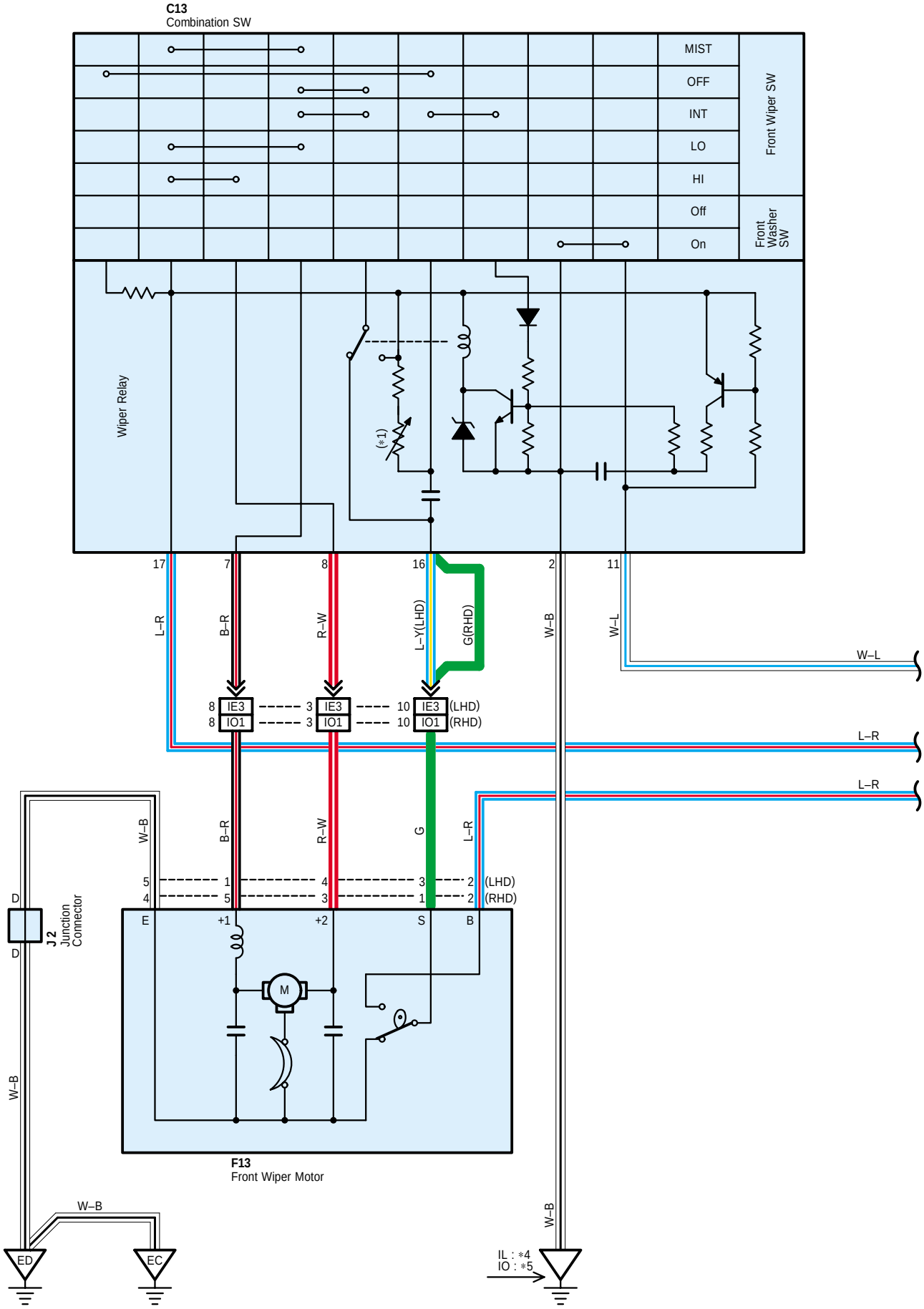

∗ 1 : Gasoline
∗ 2 : 1CD–FTV
∗ 3 : w/ Rear Fog Light
∗ 4 : LHD Gasoline
∗ 5 : 1AZ–FSE, 1AZ–FE
∗ 6 : 1ZZ–FE, 3ZZ–FE
∗ 7 : w/ Daytime Running Light
∗ 8 : w/o Daytime Running Light
∗ 9 : LHD 1CD–FTV, RHD
J30 Junction Connector
IC2
24 DA
4 DM
15A FR FOG
TAIL Relay
10A TAIL
1 DN
13 TRLY
T
12
Integration Relay
23 DA
12 DB
J10(A), J11(B), J26(C), J27(D) Junction Connector
(LHD)
(RHD)
FR FOG Relay
ED1
140A ALT
120A ALT(∗5)
100A ALT(∗6)
4D
4B
FL MAIN 3. 0W
Battery
C12 Combination SW
Light Control SW
OFF
Tail
Head
Fog Light SW
OFF
Front
Rear (∗3)
C10(A), C11(B) Combination Meter
Front Fog
J3(A), J4(B) Junction Connector
F3 Front Fog Light LH
F4 Front Fog Light RH
W–B (RHD)
W–B (LHD)
IL : ∗9
IO : ∗4
IJ
IP
EC
EB

Fuel Heater

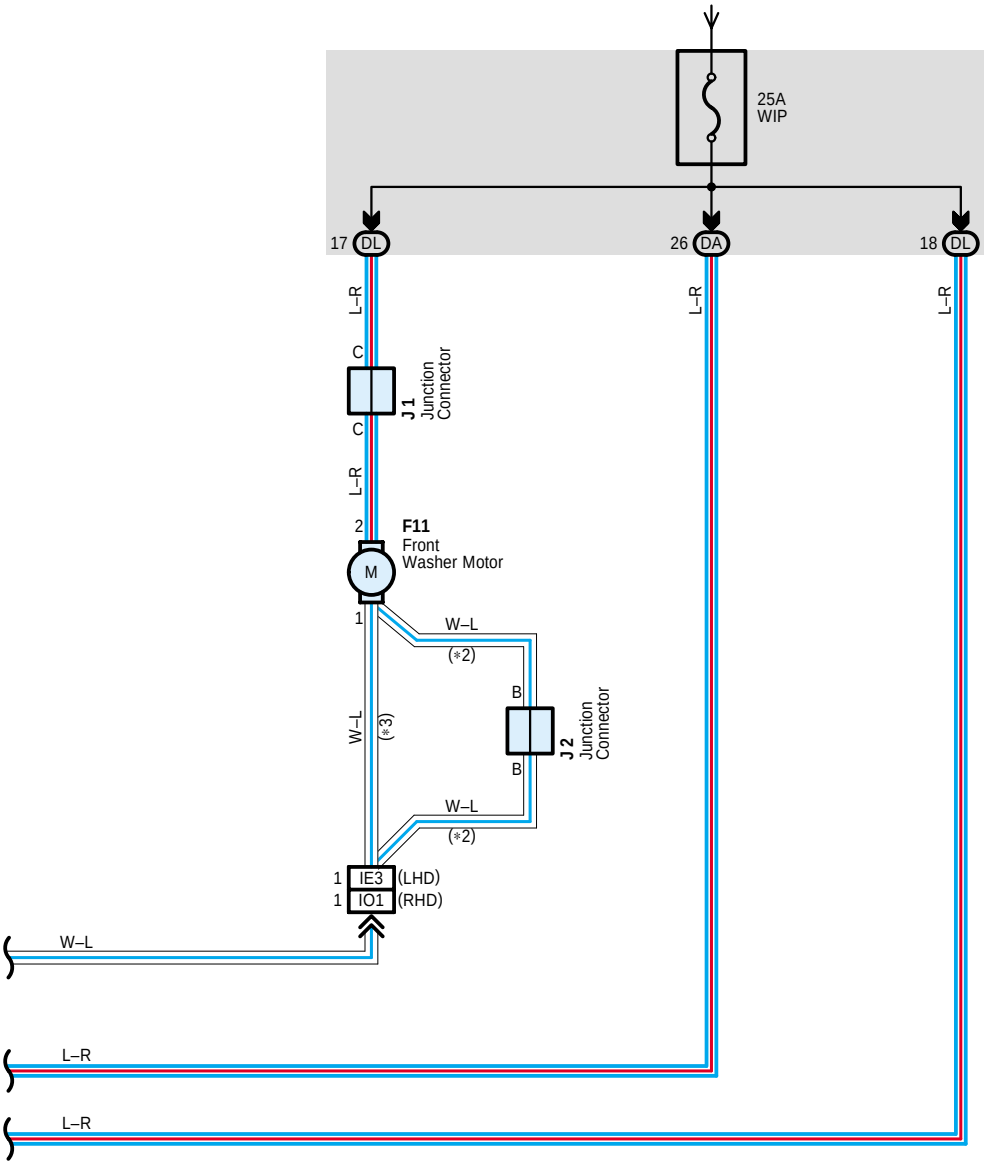

From Power Source System (See Page 120)
7. 5A
ECU–IG
10
DL
1
25A
F–HTR
2
1
R–L
L
2
2
2
5
F–HTR
Relay
1
3
2
2
W–B
L–R
1
EE1
L–R
2
F15
Fuel Heater
1
W–B
W–B
EC
EI

Fuel Lid Opener



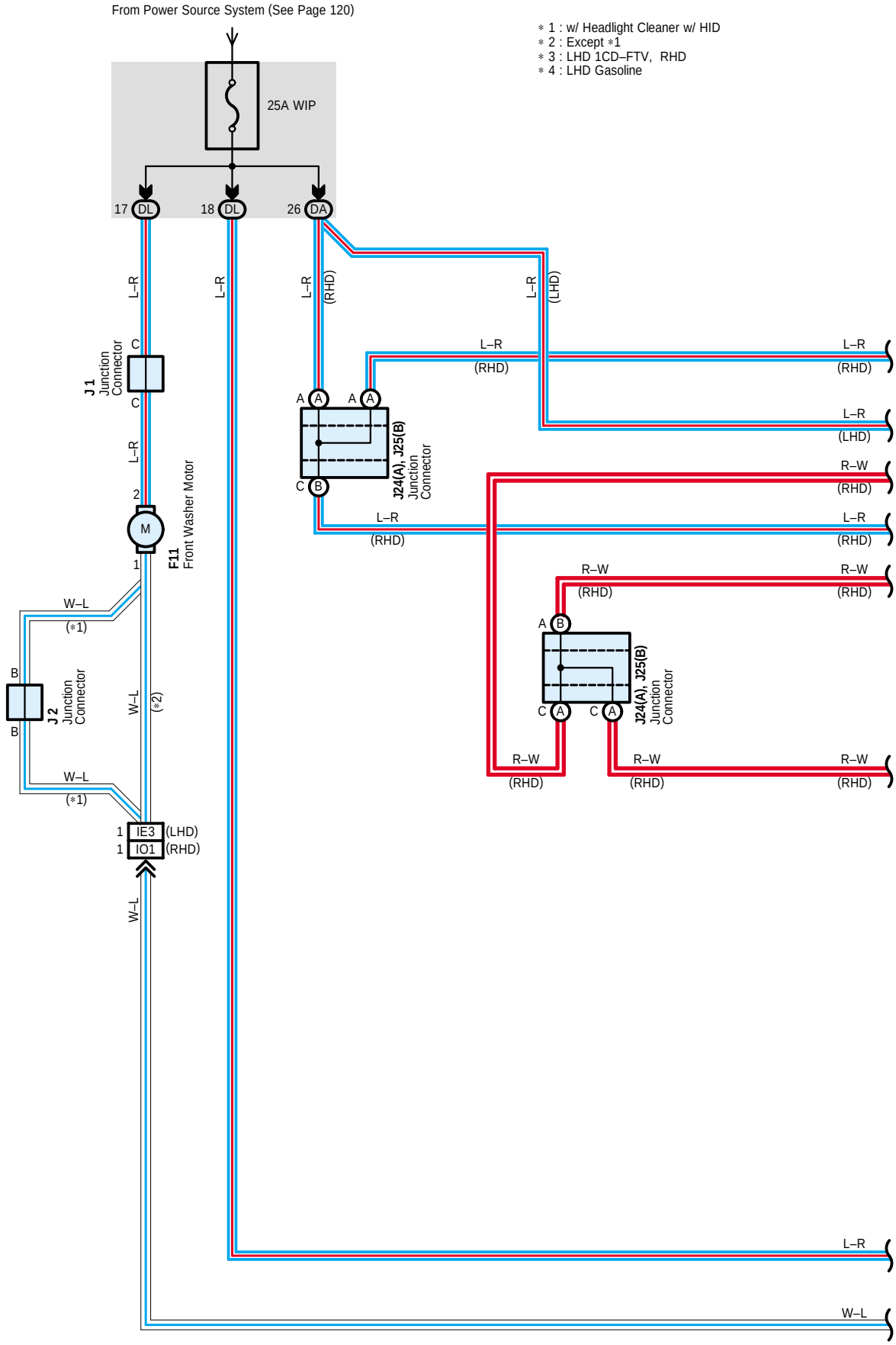

C13
Combination SW
MIST
OFF
INT
LO
HI
Front Wiper SW
Off
On
Front Washer SW
Wiper Relay
(*1)
17
7
8
16
2
11
L–R
B–R
R–W
L–Y(LHD)
G(RHD)
W–B
W–L
W–L
8 IE3 3 IE3 10 IE3 (LHD)
8 IO1 3 IO1 10 IO1 (RHD)
L–R
L–R
W–B
B–R
R–W
G
L–R
5 1 4 3 2 (LHD)
4 5 3 1 2 (RHD)
D
J2
Junction Connector
D
E
+1
+2
S
B
M
F13
Front Wiper Motor
W–B
W–B
W–B
ED
EC
IL : *4
IO : *5

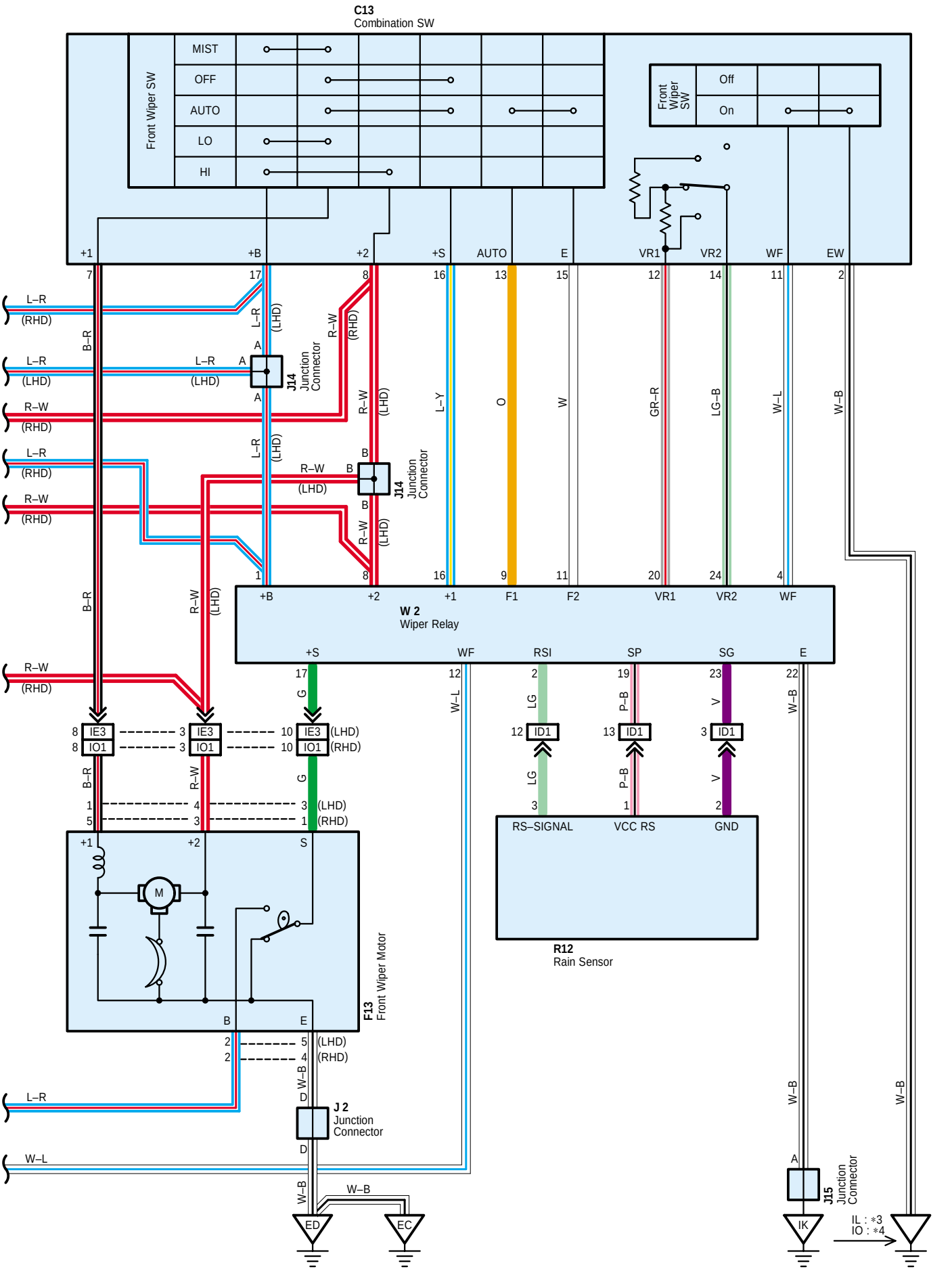
From Power Source System (See Page 120)



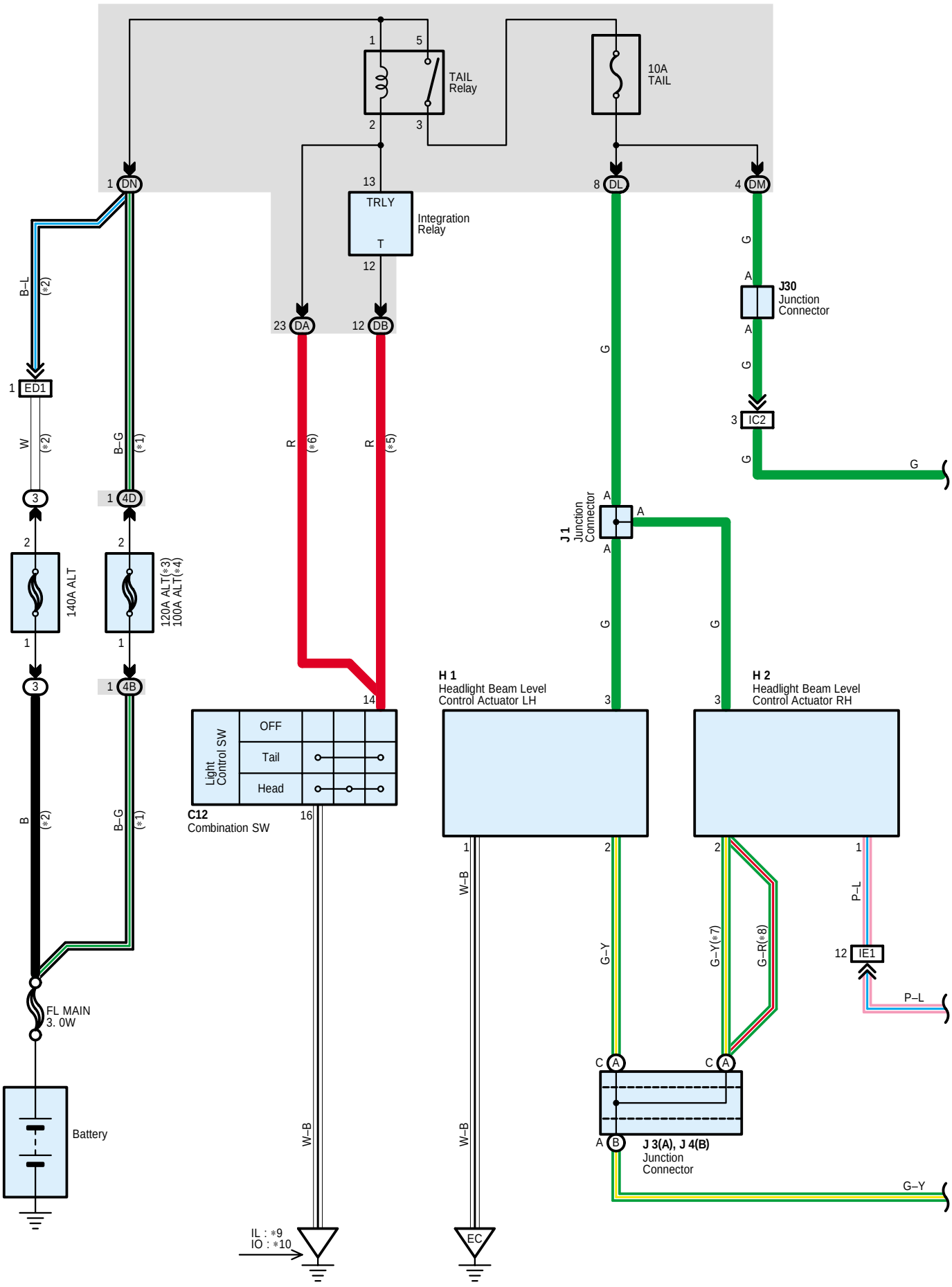
* 1 : Intermittent Volume SW
* 2 : w/ Headlight Cleaner w/ HID
* 3 : Except *2
* 4 : LHD 1CD–FTV, RHD
* 5 : LHD Except 1CD–FTV

Front Wiper and Washer (w/ Auto Wiper System)

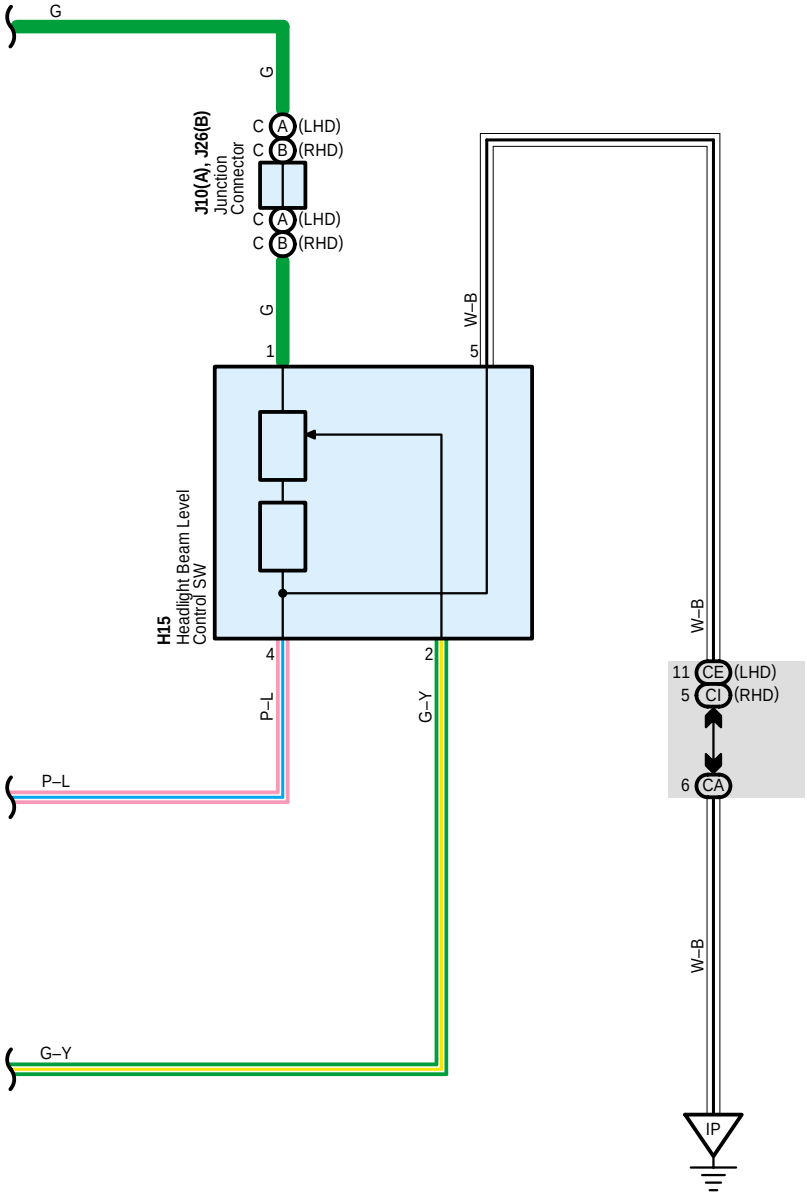



C13
Combination SW
Front Wiper SW
MIST
OFF
AUTO
LO
HI
Front Wiper SW
Off
On
+1
+B
+2
+S
AUTO
E
VR1
VR2
WF
EW
W 2
Wiper Relay
+S
WF
RSI
SP
SG
E
R12
Rain Sensor
RS–SIGNAL
VCC RS
GND
F13
Front Wiper Motor
J14
Junction Connector
J2
Junction Connector
J15
Junction Connector
IE3
IO1
ID1
ED
EC
IK
IL : *3
IO : *4

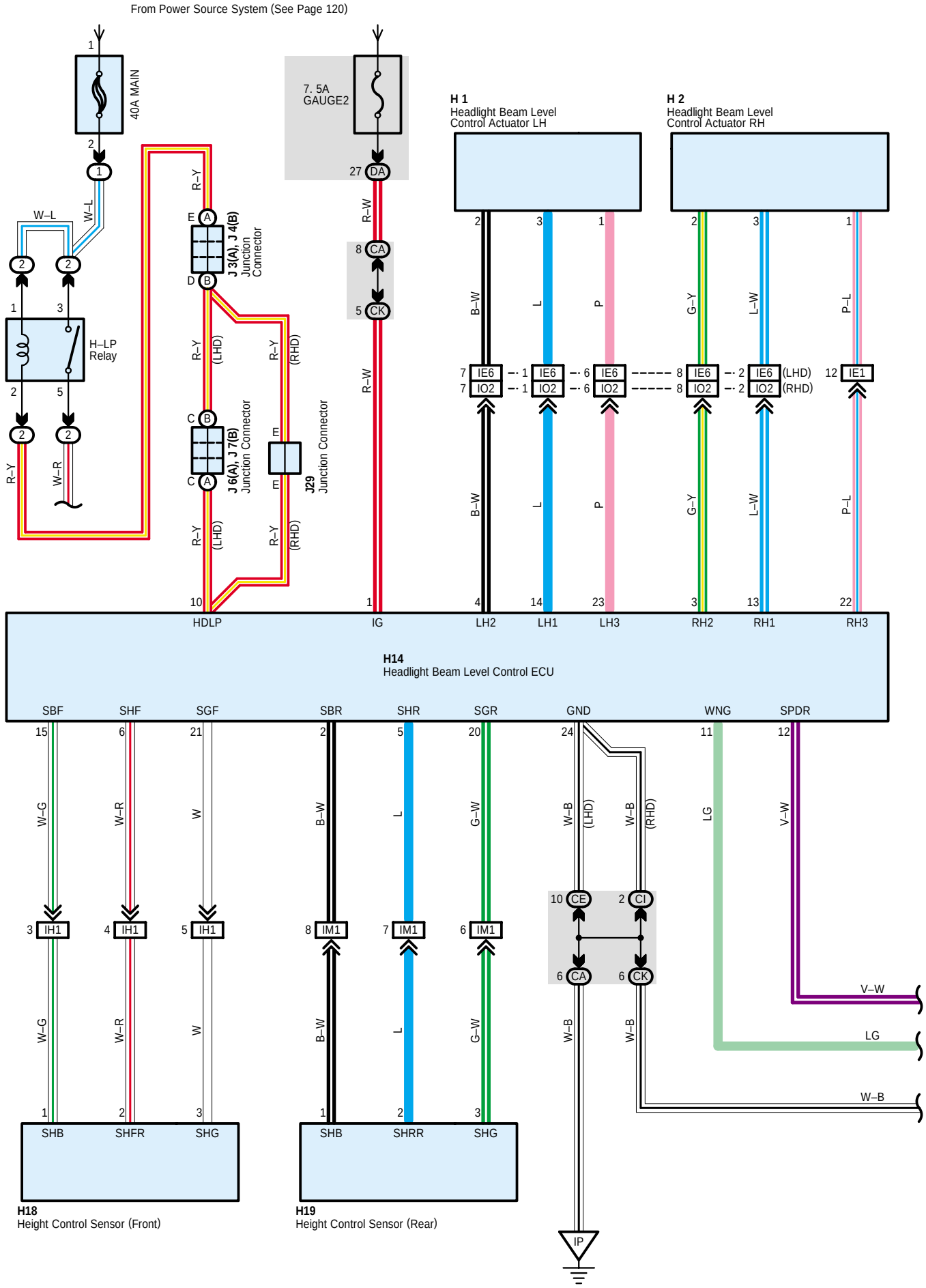
Headlight Beam Level Control (w/o HID)

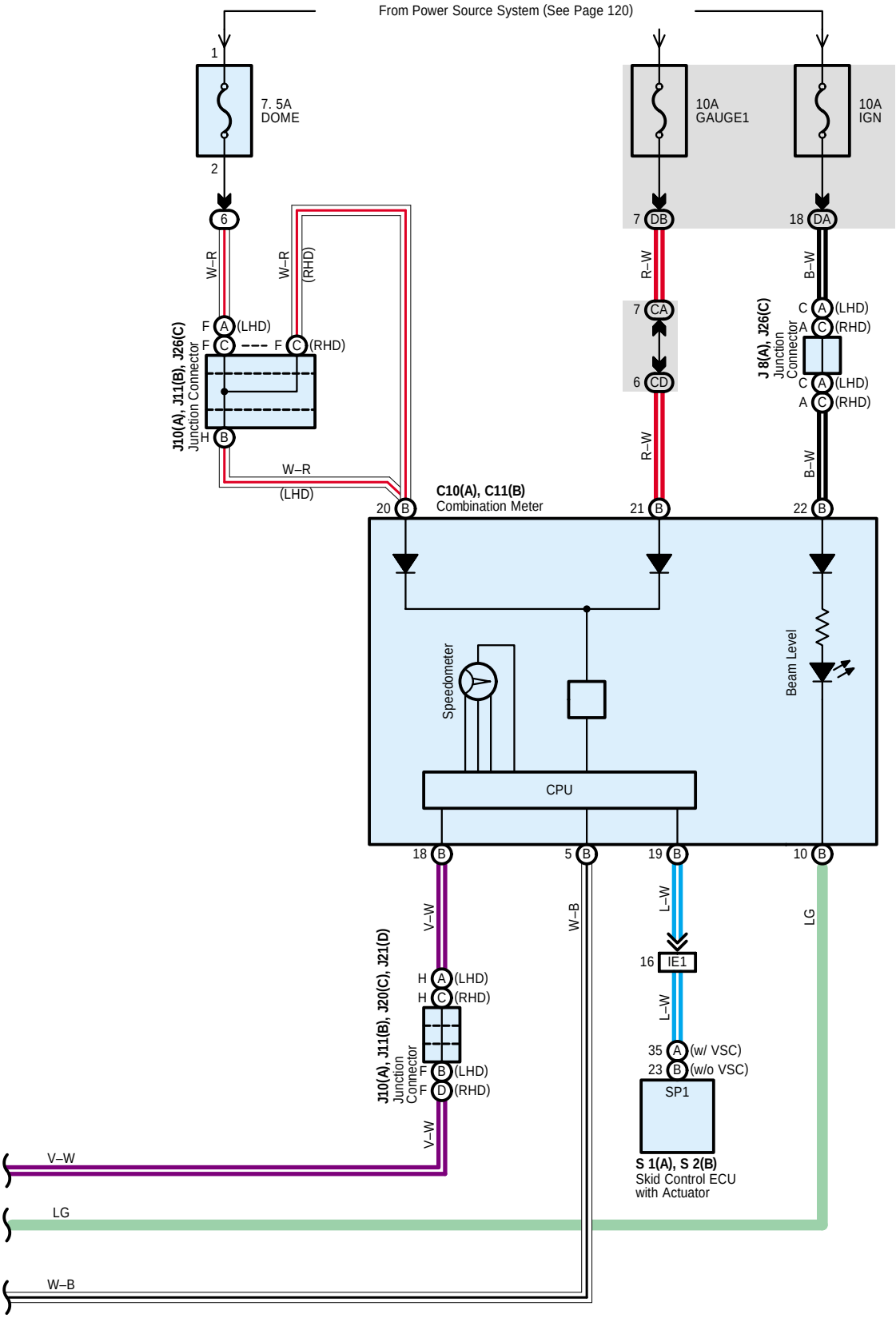


∗ 1 : Gasoline
∗ 2 : 1CD–FTV
∗ 3 : 1AZ–FSE, 1AZ–FE
∗ 4 : 1ZZ–FE, 3ZZ–FE
∗ 5 : w/ Daytime Running Light
∗ 6 : w/o Daytime Running Light
∗ 7 : Except RHD 1CD–FTV
∗ 8 : RHD 1CD–FTV
∗ 9 : LHD 1CD–FTV, RHD
∗10 : LHD Gasoline

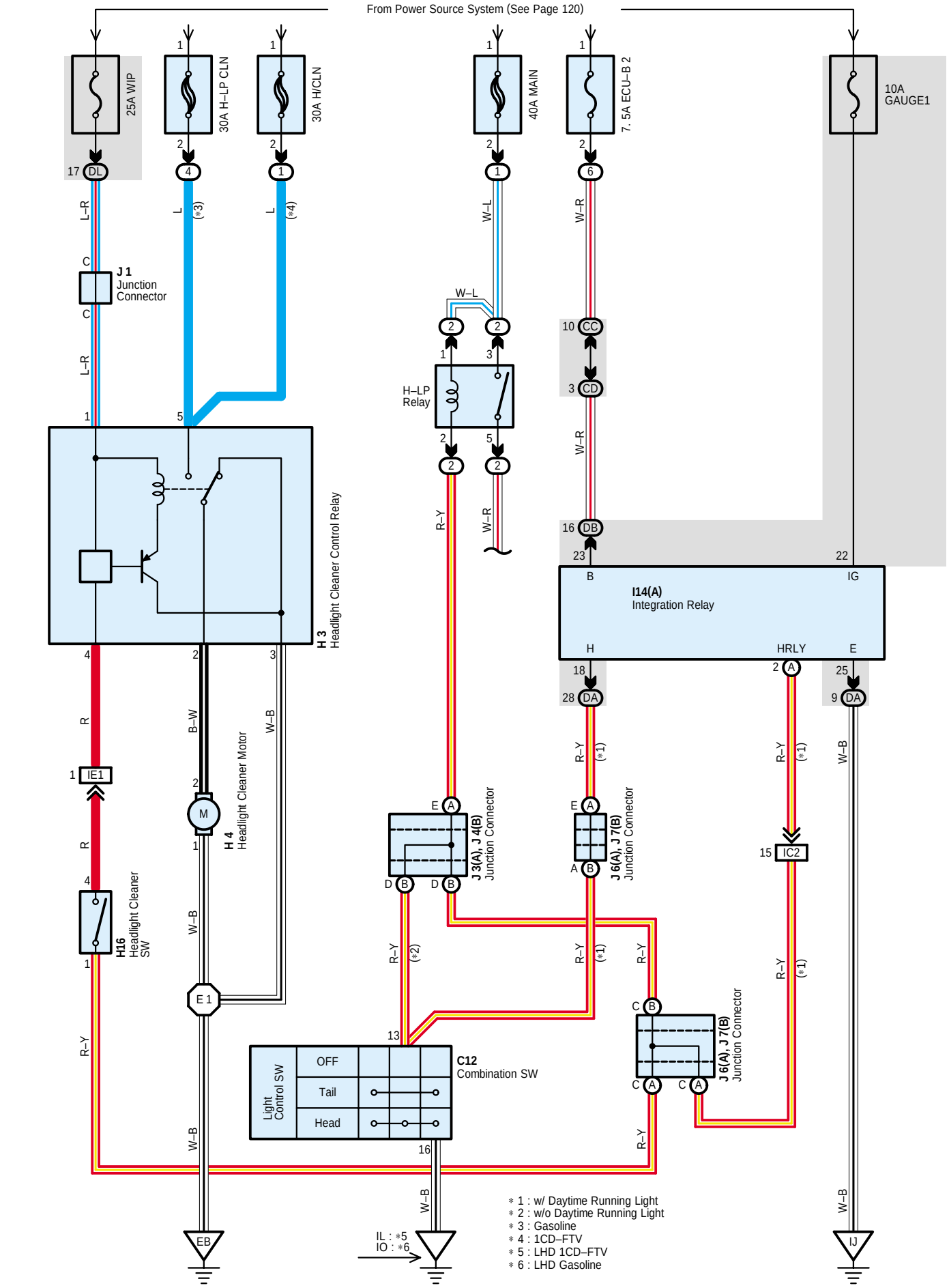


Headlight Beam Level Control (w/ HID)

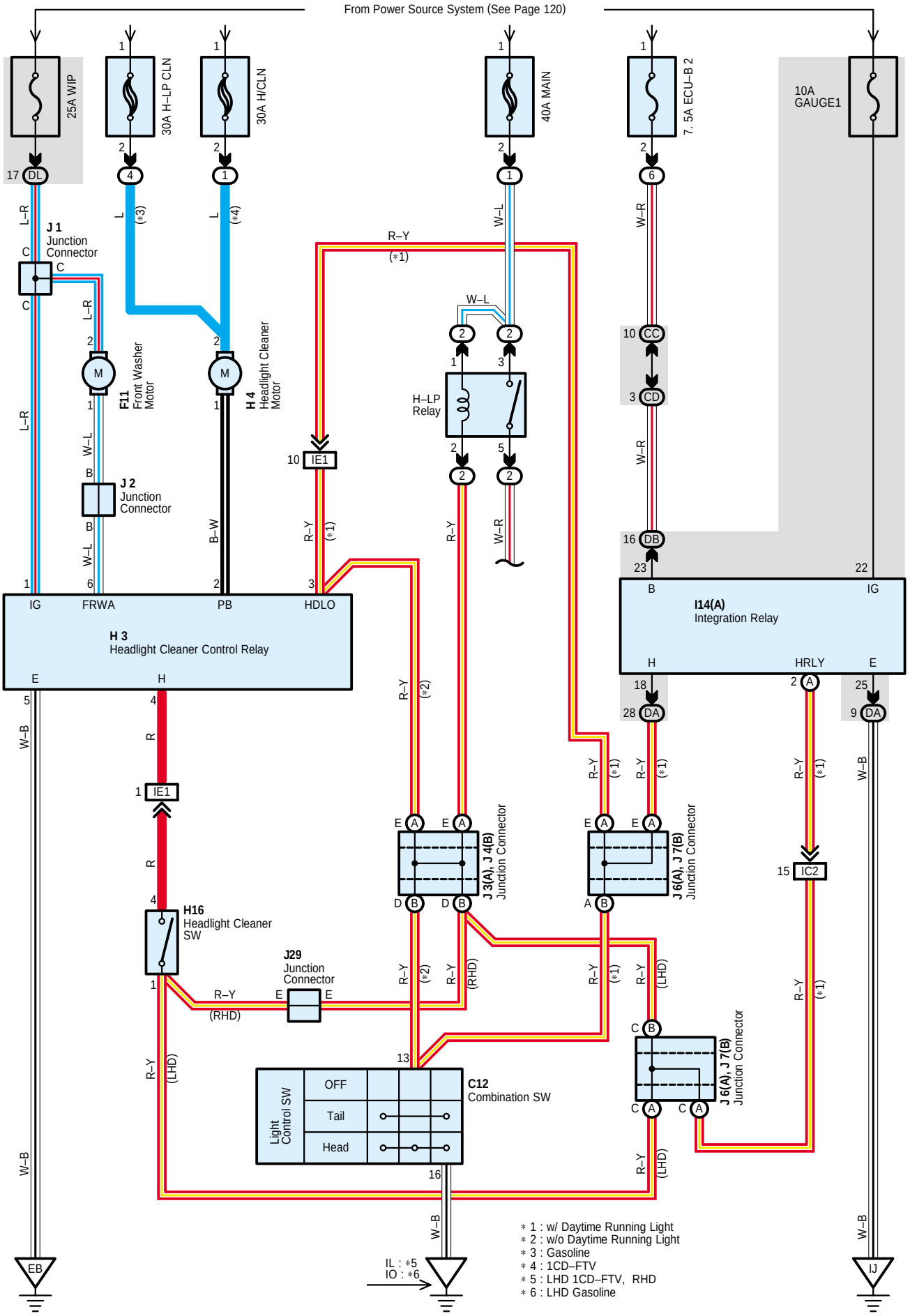


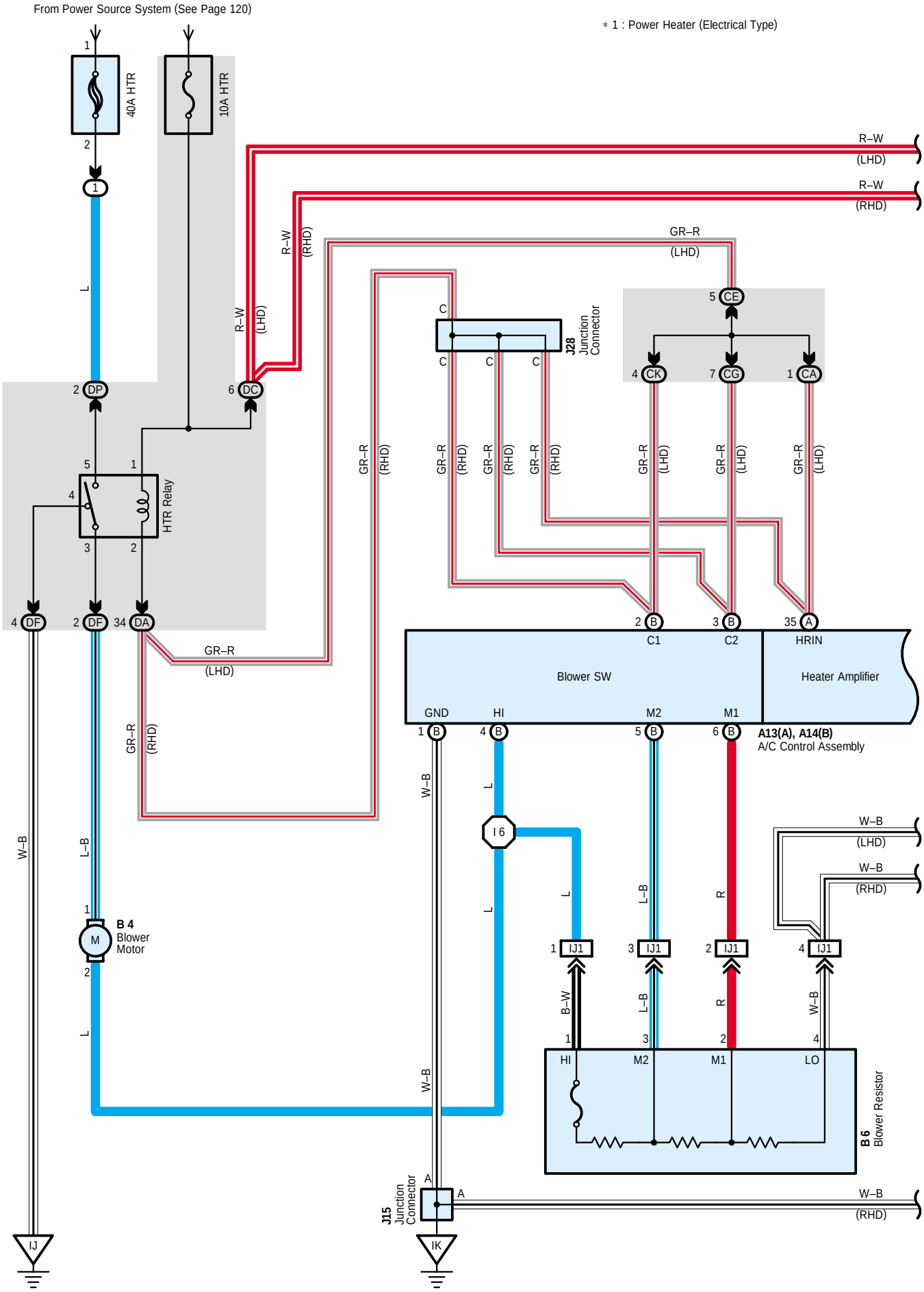

From Power Source System (See Page 120)
1
7. 5A
DOME
2
6
W–R
W–R
(RHD)
F A (LHD)
F C
F C (RHD)
J10(A), J11(B), J26(C)
Junction Connector
H B
W–R
(LHD)
10A
GAUGE1
10A
IGN
7 DB
18 DA
R–W
B–W
7 CA
6 CD
J 8(A), J26(C)
Junction
Connector
C A (LHD)
A C (RHD)
C A (LHD)
A C (RHD)
R–W
B–W
C10(A), C11(B)
Combination Meter
20 B
21 B
22 B
Speedometer
Beam Level
CPU
18 B
5 B
19 B
10 B
V–W
W–B
L–W
LG
H A (LHD)
H C (RHD)
J10(A), J11(B), J20(C), J21(D)
Junction
Connector
F B (LHD)
F D (RHD)
V–W
16 IE1
L–W
35 A (w/ VSC)
23 B (w/o VSC)
SP1
S 1(A), S 2(B)
Skid Control ECU
with Actuator
V–W
LG
W–B

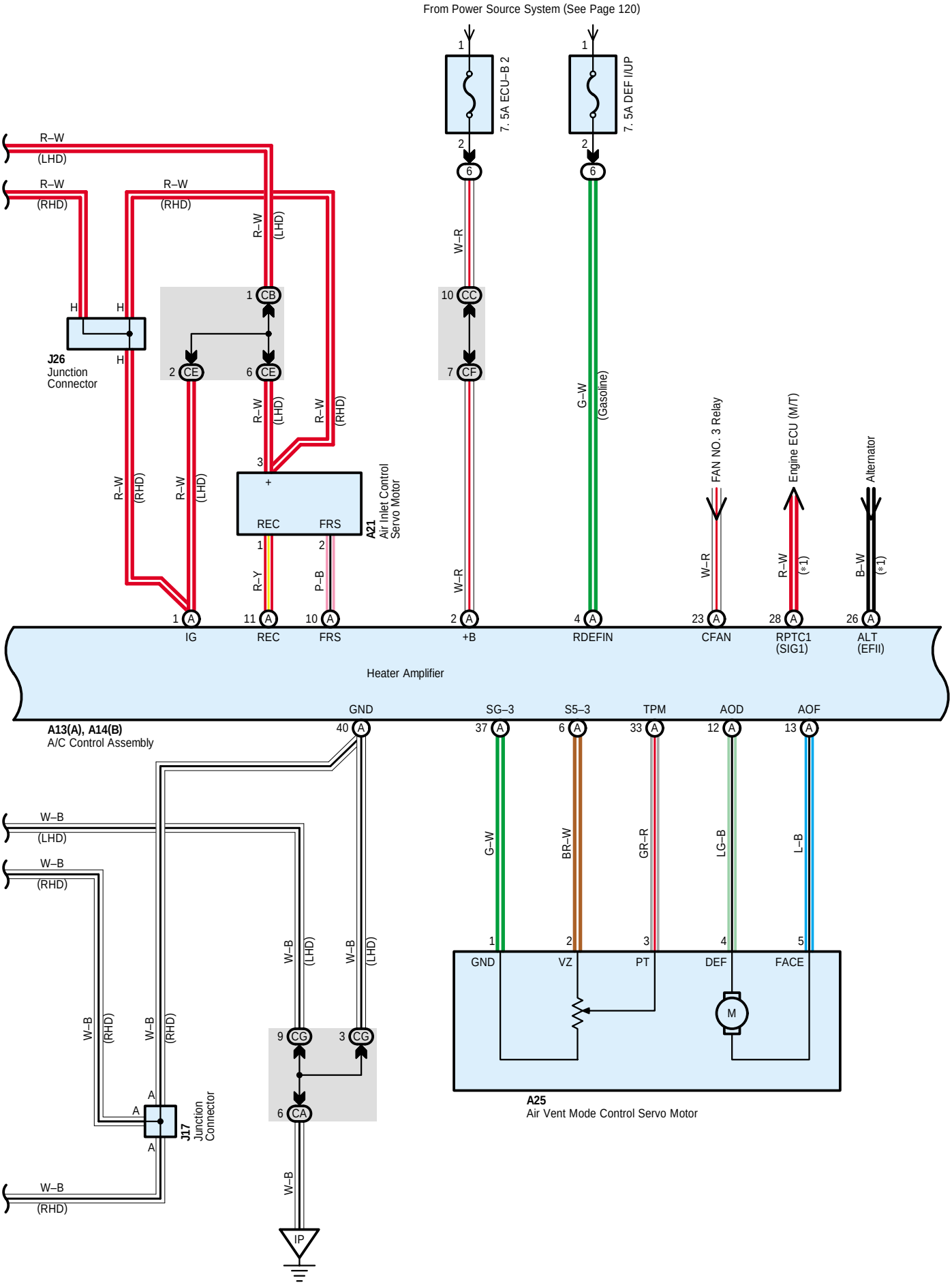
Headlight Cleaner (w/o HID)



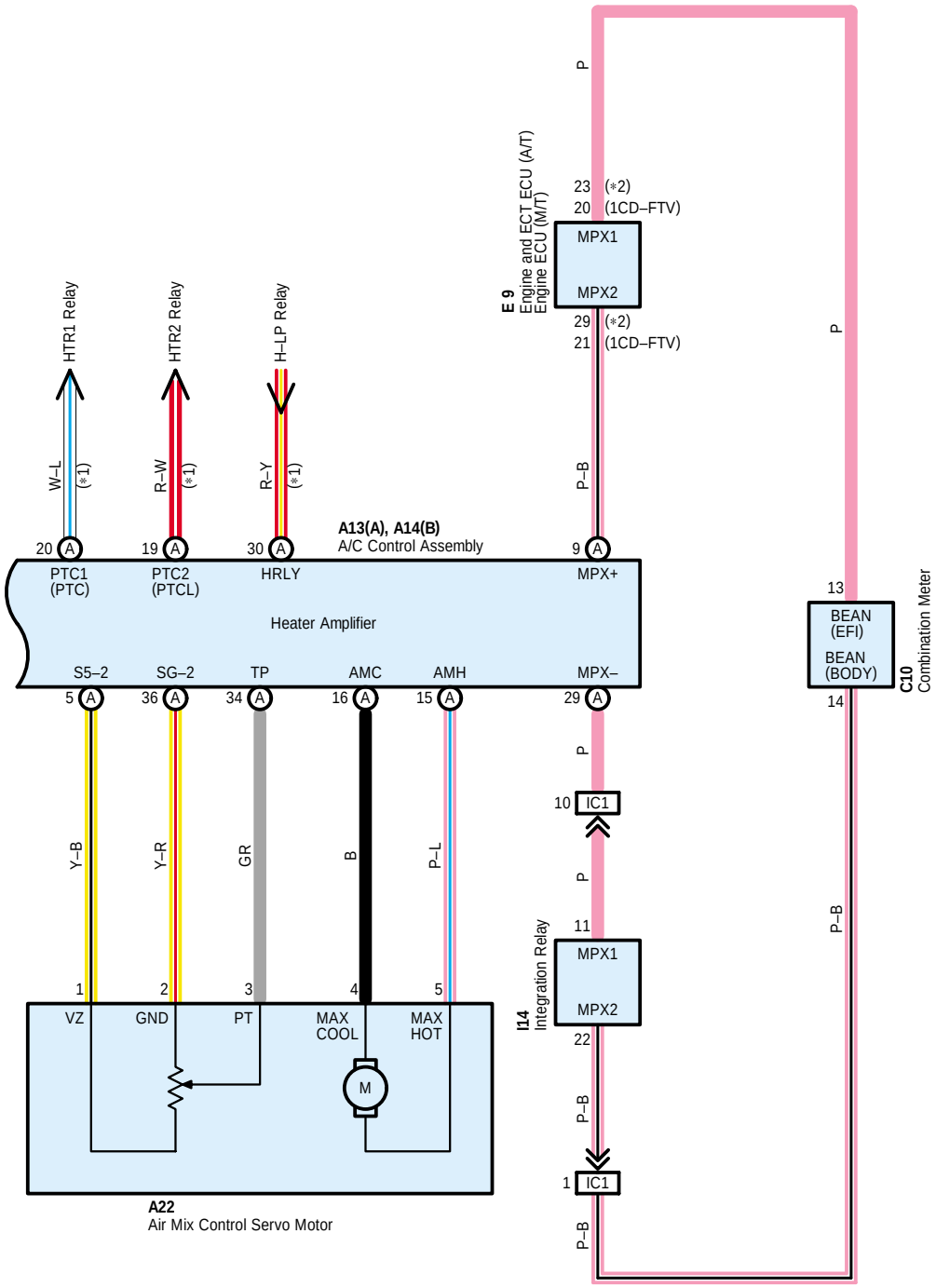
Headlight Cleaner (w/ HID)




From Power Source System (See Page 120)
* 1 : Power Heater (Electrical Type)
40A HTR
10A HTR
HTR Relay
R–W (LHD)
R–W (RHD)
GR–R (LHD)
GR–R (RHD)
L
W–B
L–B
B–W
R
J28 Junction Connector
Blower SW
Heater Amplifier
A13(A), A14(B) A/C Control Assembly
B 4 Blower Motor
B 6 Blower Resistor
J15 Junction Connector
I 6
IJ1
IJ
IK
GND
HI
M2
M1
LO
HRIN
C1
C2

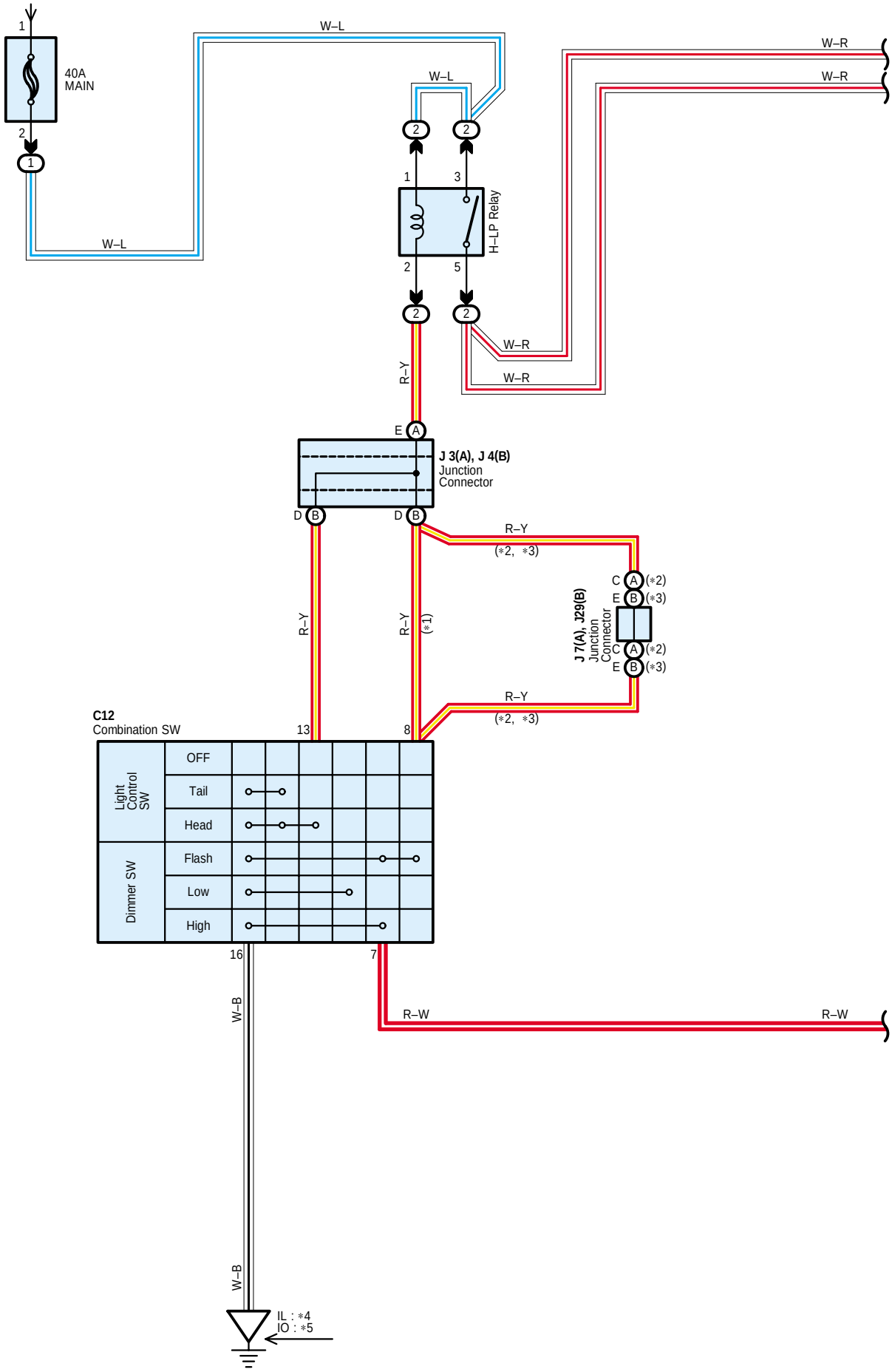

From Power Source System (See Page 120)
7. 5A ECU–B 2
7. 5A DEF I/UP
R–W (LHD)
R–W (RHD)
J26 Junction Connector
A21 Air Inlet Control Servo Motor
REC
FRS
W–R
G–W (Gasoline)
FAN NO. 3 Relay
Engine ECU (M/T)
Alternator
IG
REC
FRS
+B
RDEFIN
CFAN
RPTC1 (SIG1)
ALT (EFII)
Heater Amplifier
GND
SG–3
S5–3
TPM
AOD
AOF
A13(A), A14(B) A/C Control Assembly
W–B (LHD)
W–B (RHD)
J17 Junction Connector
IP
G–W
BR–W
GR–R
LG–B
L–B
VZ
PT
DEF
FACE
M
A25 Air Vent Mode Control Servo Motor

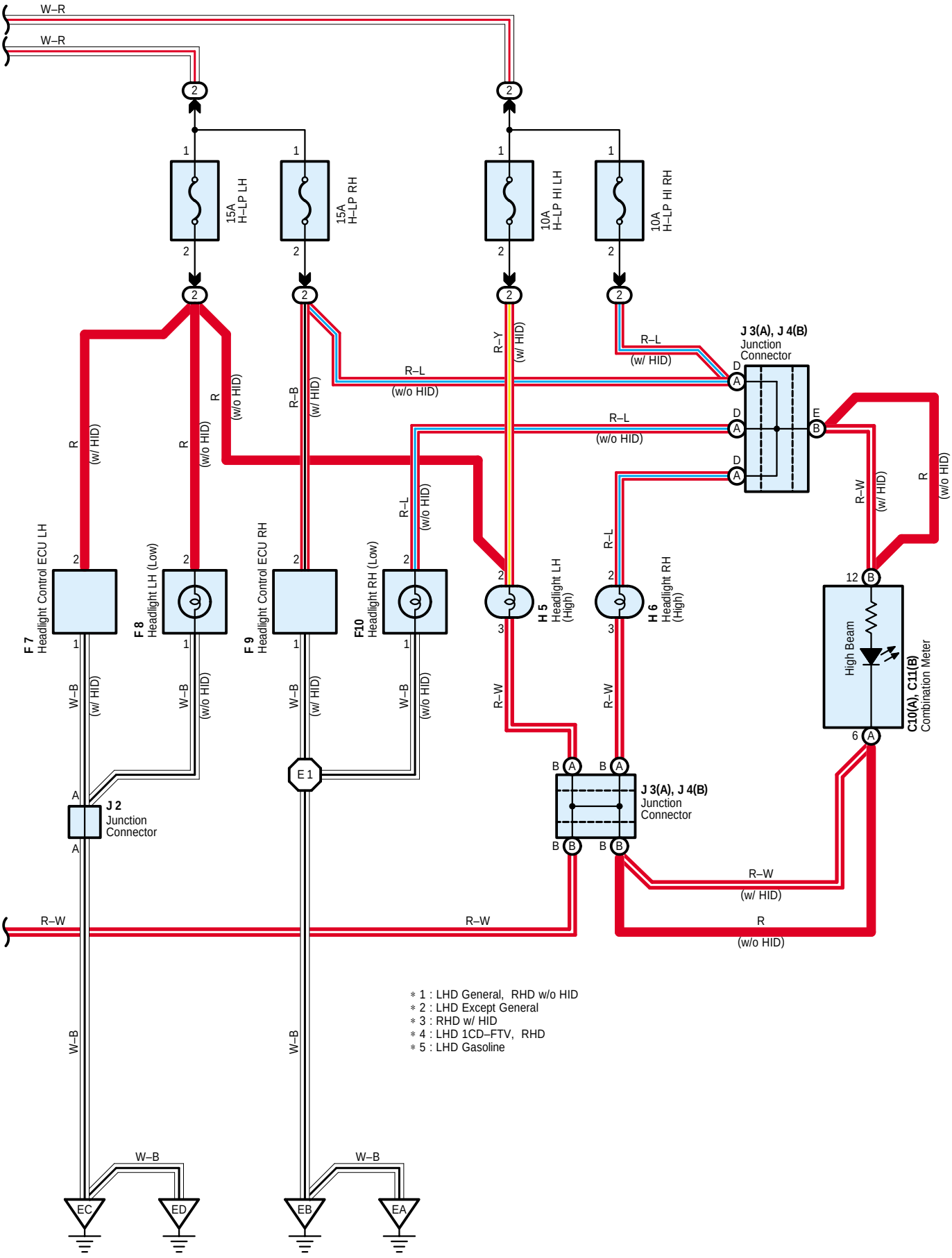
∗ 1 : Power Heater (Electrical Type)
∗ 2 : 1AZ–FE, 1ZZ–FE, 3ZZ–FE



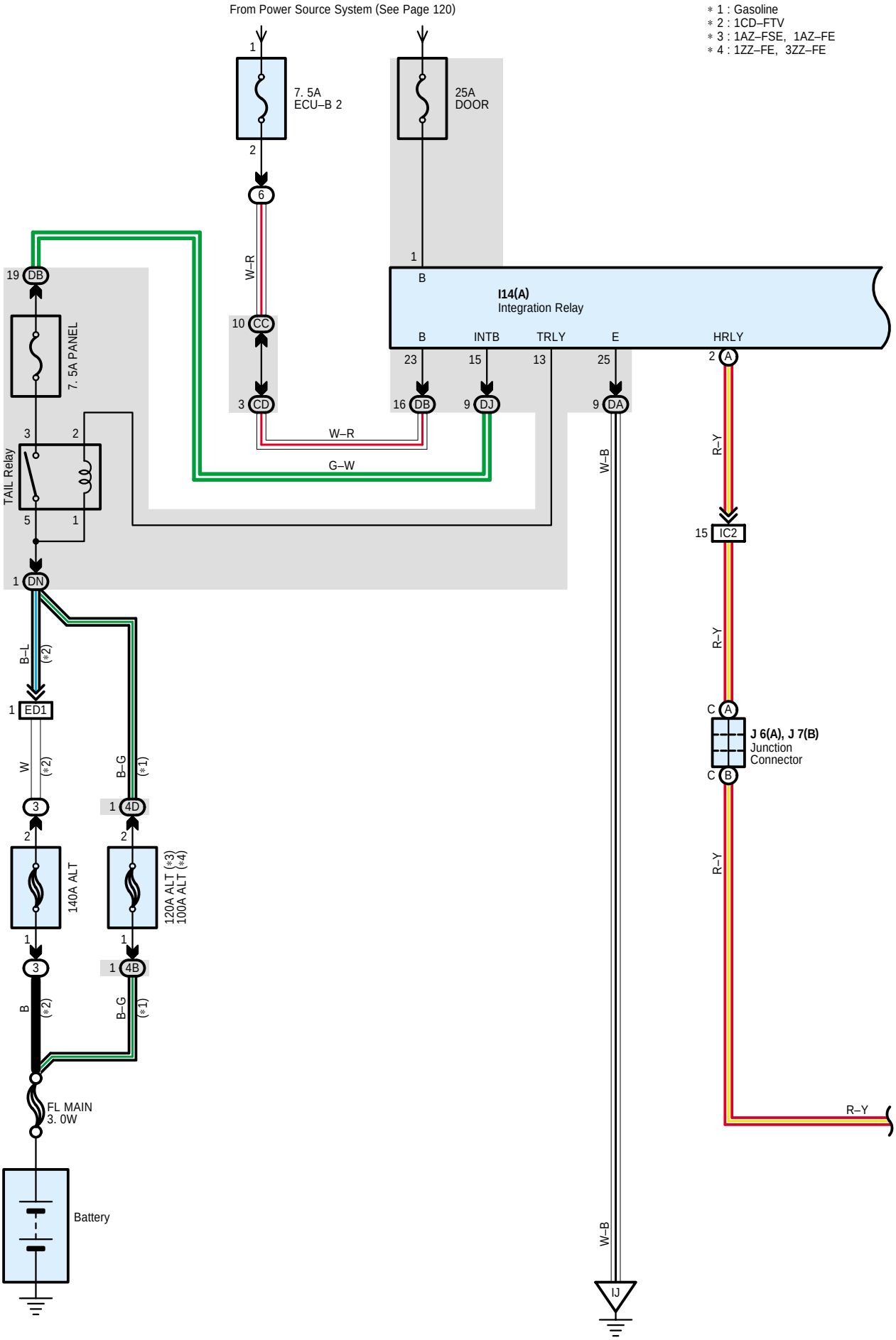
Headlight (w/o Daytime Running Light)

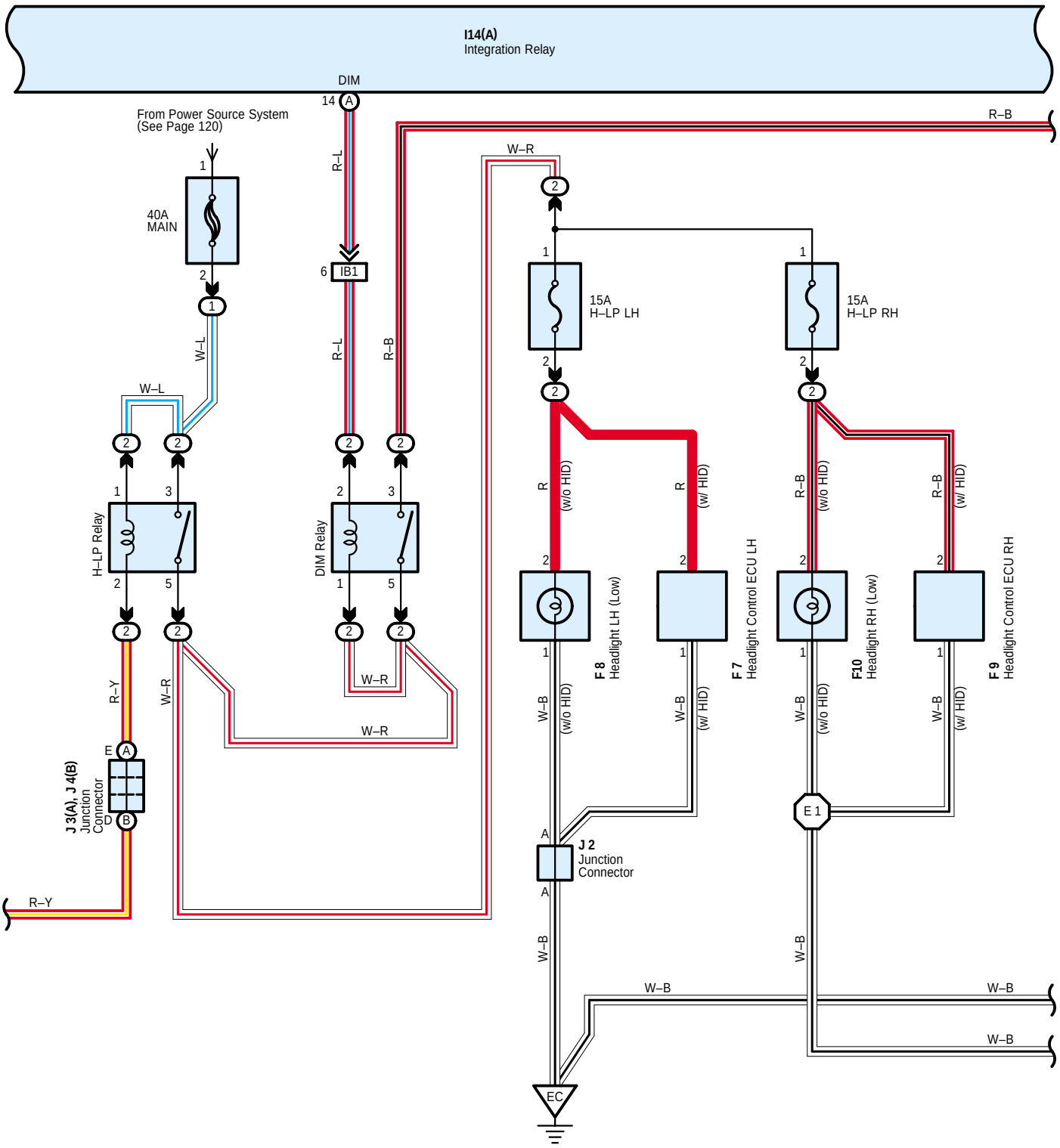
From Power Source System (See Page 120)



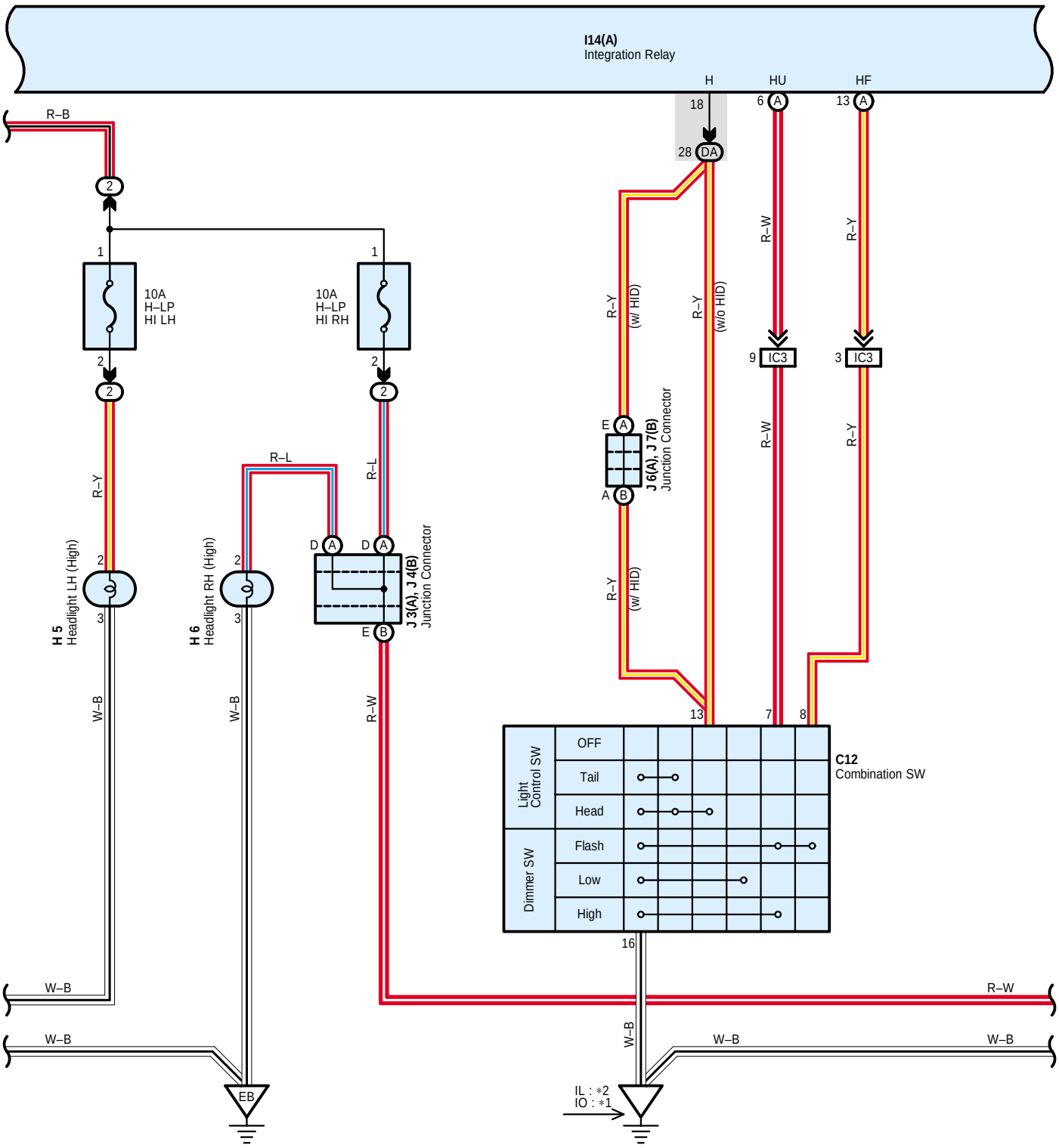

W–R
W–R
15A H–LP LH
15A H–LP RH
10A H–LP HI LH
10A H–LP HI RH
R–L (w/ HID)
R–Y (w/ HID)
R–L (w/o HID)
R (w/ HID)
R (w/o HID)
R–B (w/ HID)
R–L (w/o HID)
J 3(A), J 4(B) Junction Connector
R–L (w/o HID)
R–W (w/ HID)
R (w/o HID)
F 7 Headlight Control ECU LH
F 8 Headlight LH (Low)
F 9 Headlight Control ECU RH
F10 Headlight RH (Low)
H 5 Headlight LH (High)
H 6 Headlight RH (High)
High Beam
C10(A), C11(B) Combination Meter
W–B (w/ HID)
W–B (w/o HID)
W–B (w/ HID)
W–B (w/o HID)
E 1
J 2 Junction Connector
J 3(A), J 4(B) Junction Connector
R–W
R–W
R–W (w/ HID)
R (w/o HID)
W–B
W–B
W–B
W–B
EC
ED
EB
EA
* 1 : LHD General, RHD w/o HID
* 2 : LHD Except General
* 3 : RHD w/ HID
* 4 : LHD 1CD–FTV, RHD
* 5 : LHD Gasoline

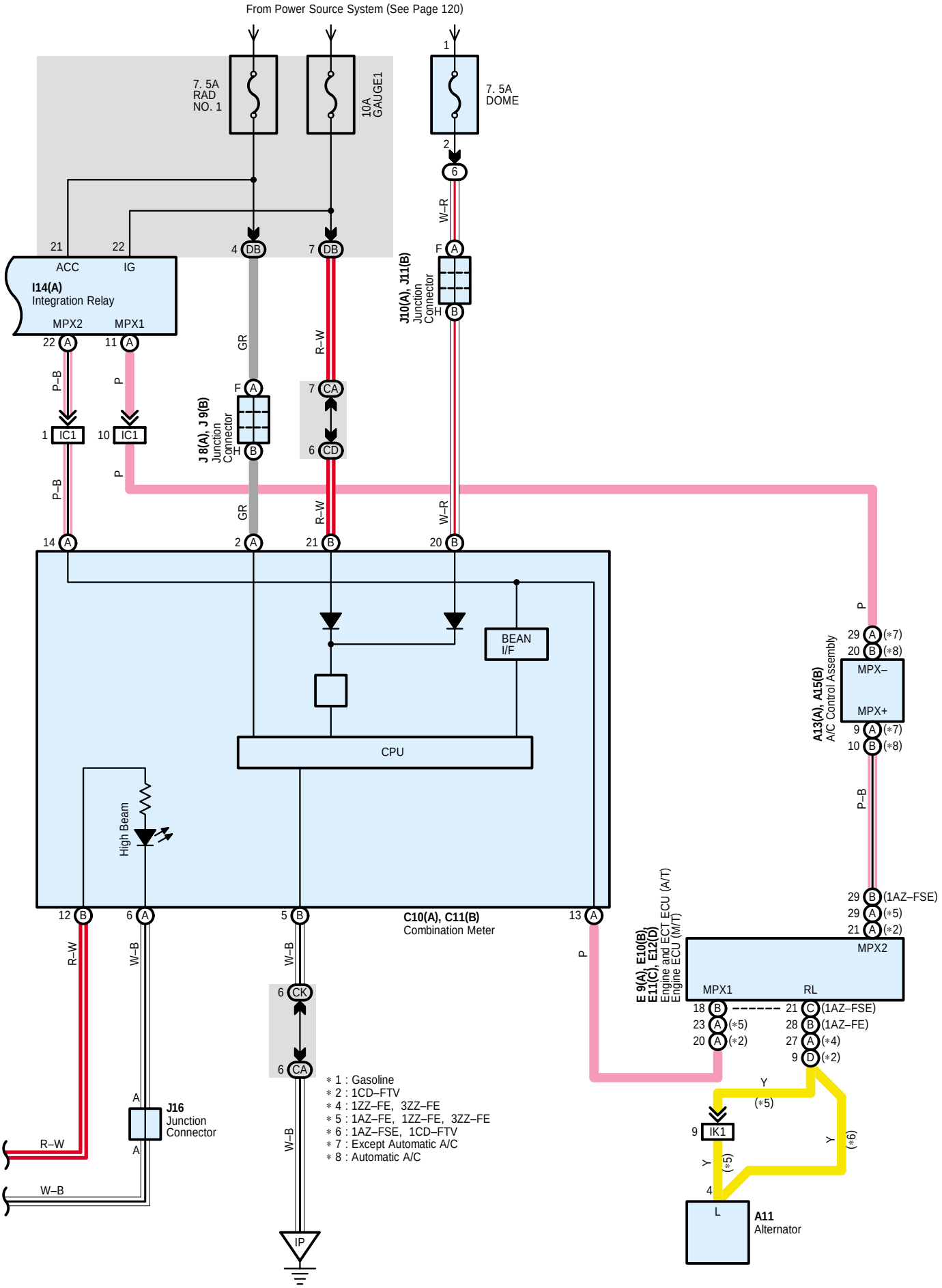
Headlight (w/ Daytime Running Light)

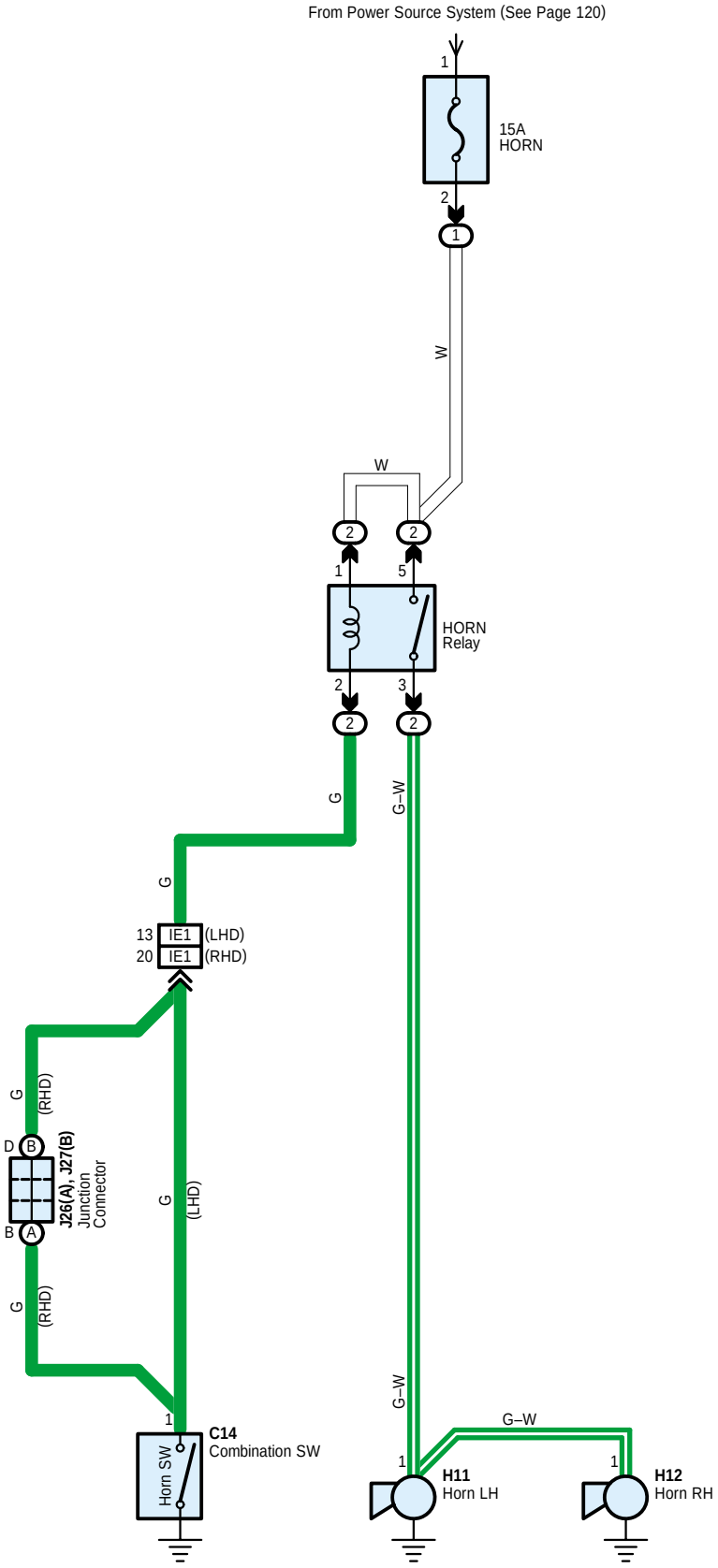



I14(A)
Integration Relay
DIM
14 A
From Power Source System
(See Page 120)
R–B
W–R
R–L
40A
MAIN
1
2
6 IB1
W–L
R–L
R–B
W–L
15A
H–LP LH
15A
H–LP RH
H–LP Relay
DIM Relay
R
(w/o HID)
R
(w/ HID)
R–B
(w/o HID)
R–B
(w/ HID)
F 8
Headlight LH (Low)
F 7
Headlight Control ECU LH
F10
Headlight RH (Low)
F 9
Headlight Control ECU RH
W–B
(w/o HID)
W–B
(w/ HID)
W–B
(w/o HID)
W–B
(w/ HID)
R–Y
W–R
W–R
W–R
E A
D B
J 3(A), J 4(B)
Junction
Connector
R–Y
E 1
A
J 2
Junction
Connector
A
W–B
W–B
W–B
W–B
EC

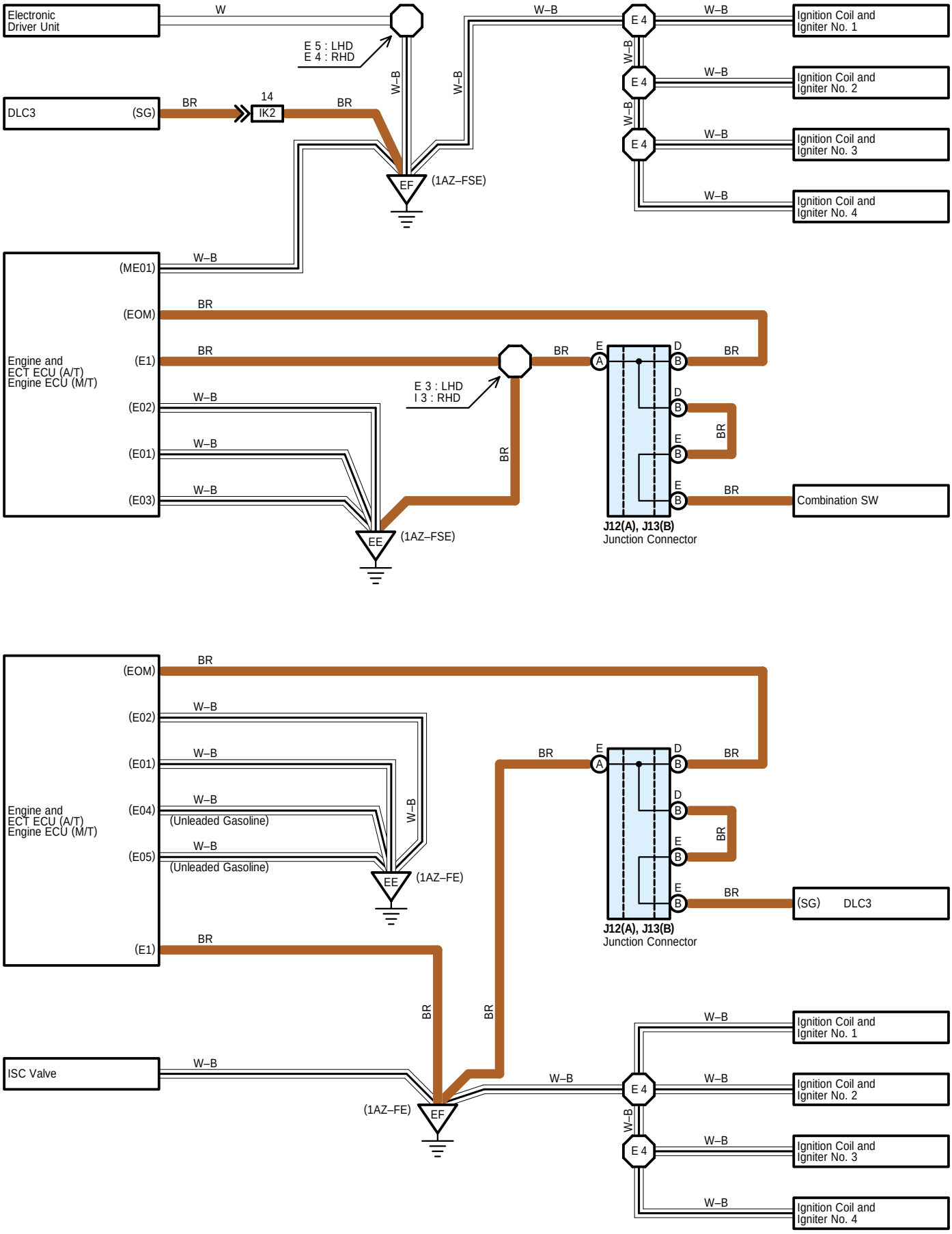
Headlight (w/ Daytime Running Light)

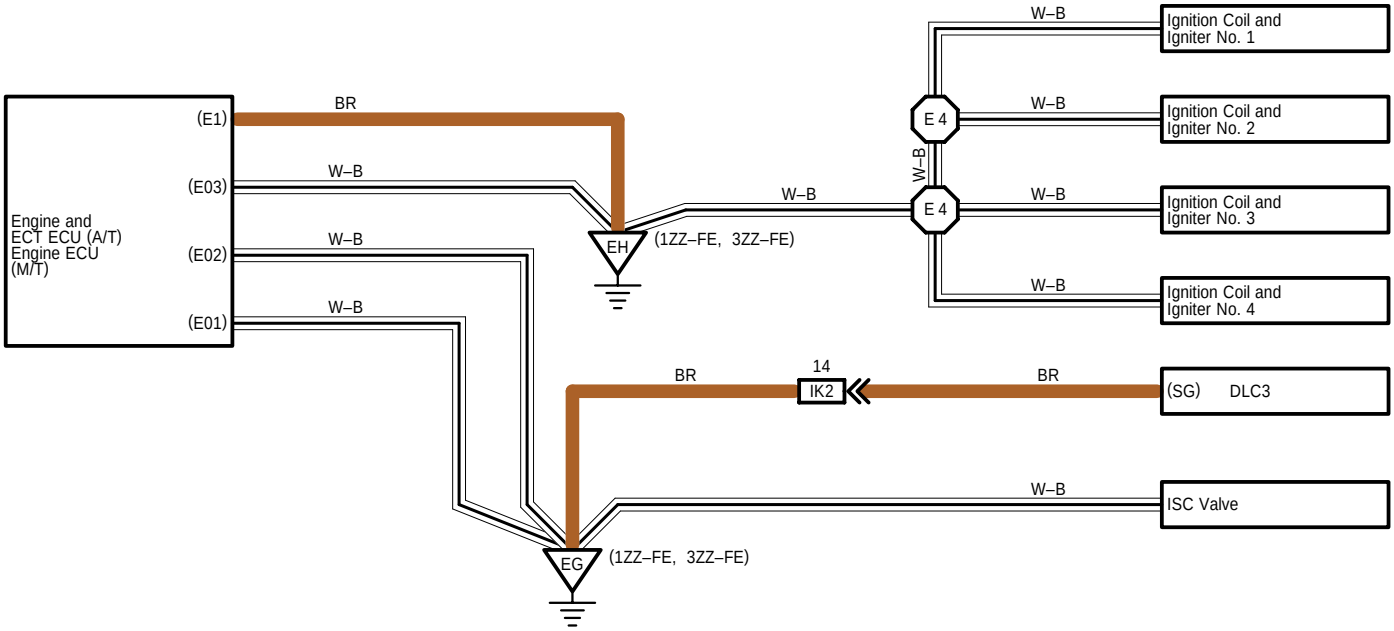


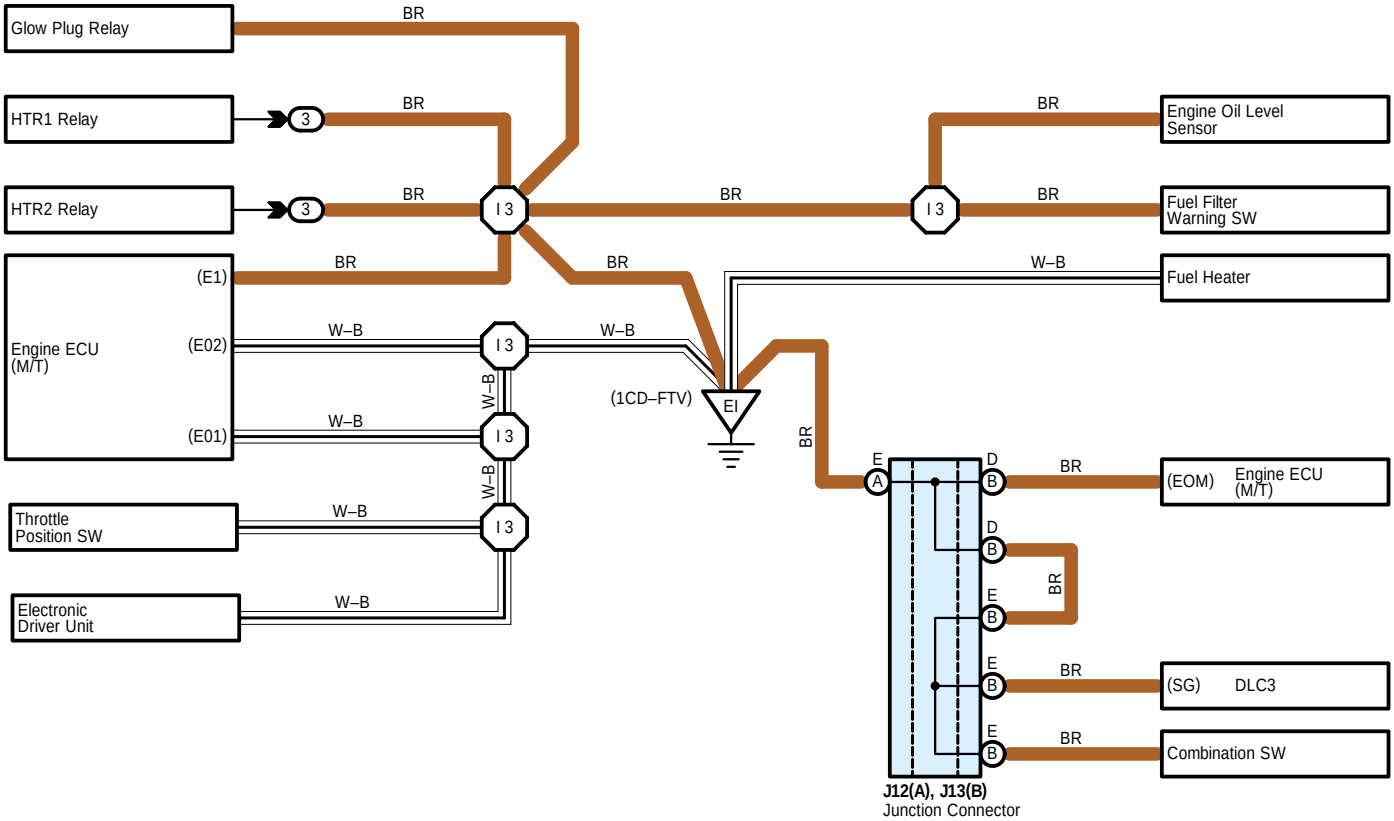

From Power Source System (See Page 120)
7. 5A
RAD
NO. 1
10A
GAUGE1
7. 5A
DOME
I14(A)
Integration Relay
ACC
IG
MPX2
MPX1
J10(A), J11(B)
Junction
Connector
J 8(A), J 9(B)
Junction
Connector
IC1
BEAN
I/F
CPU
High Beam
C10(A), C11(B)
Combination Meter
A13(A), A15(B)
A/C Control Assembly
MPX–
MPX+
E 9(A), E10(B),
E11(C), E12(D)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
MPX1
MPX2
RL
IK1
J16
Junction
Connector
A11
Alternator
IP
R–W
W–B
P–B
GR
R–W
W–R
P
Y
(*5)
(*6)
(1AZ–FSE)
(1AZ–FE)
(*2)
(*4)
(*7)
(*8)
* 1 : Gasoline
* 2 : 1CD–FTV
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : 1AZ–FE, 1ZZ–FE, 3ZZ–FE
* 6 : 1AZ–FSE, 1CD–FTV
* 7 : Except Automatic A/C
* 8 : Automatic A/C


From Power Source System (See Page 120)
1
15A
HORN
2
1
W
W
2
2
1
5
HORN
Relay
2
3
2
2
G
G–W
G
13 IE1 (LHD)
20 IE1 (RHD)
G
(RHD)
D
B
J26(A), J27(B)
Junction
Connector
B
A
G
(RHD)
G
(LHD)
G–W
G–W
1
C14
Combination SW
Horn SW
1
H11
Horn LH
1
H12
Horn RH

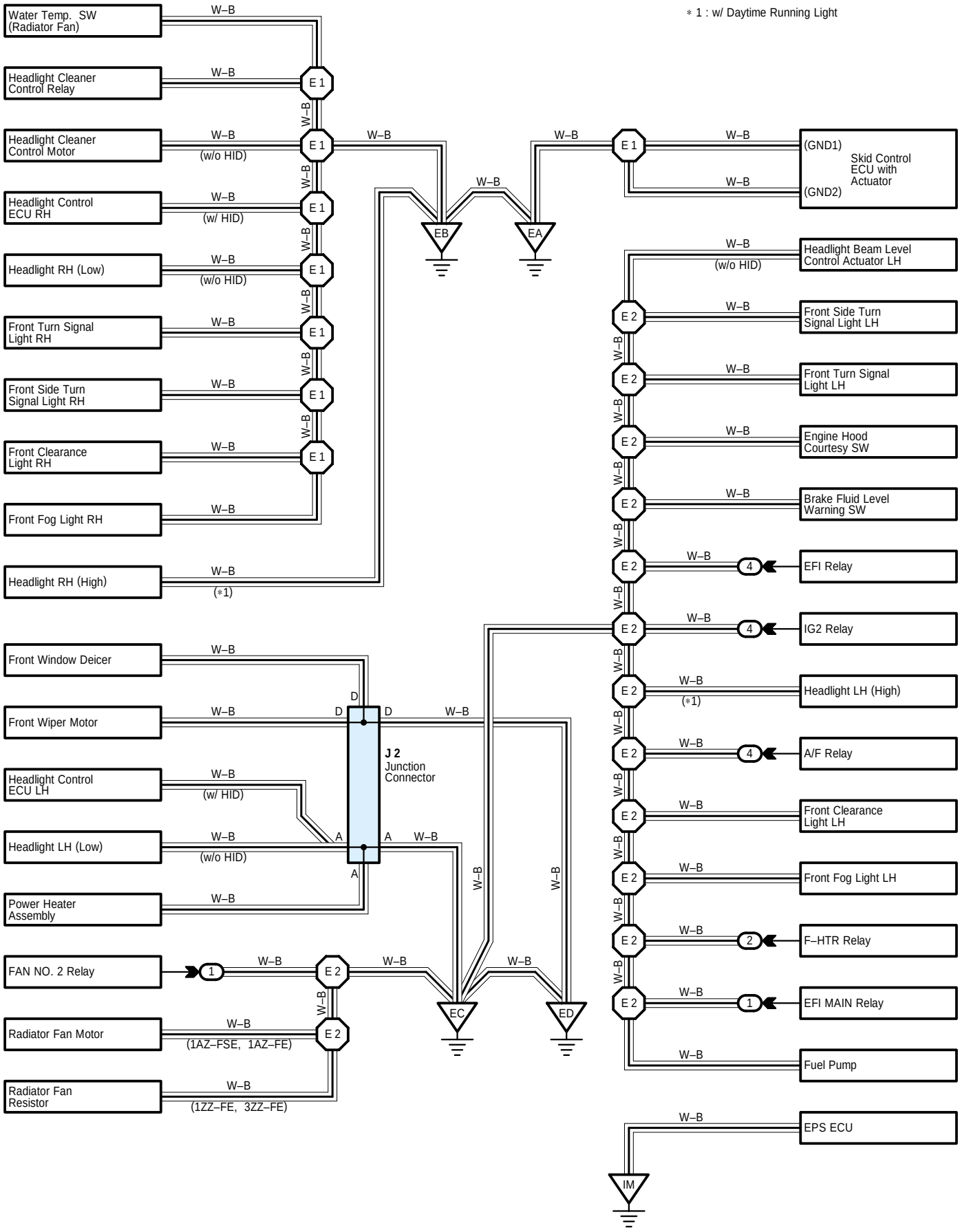
I GROUND POINT

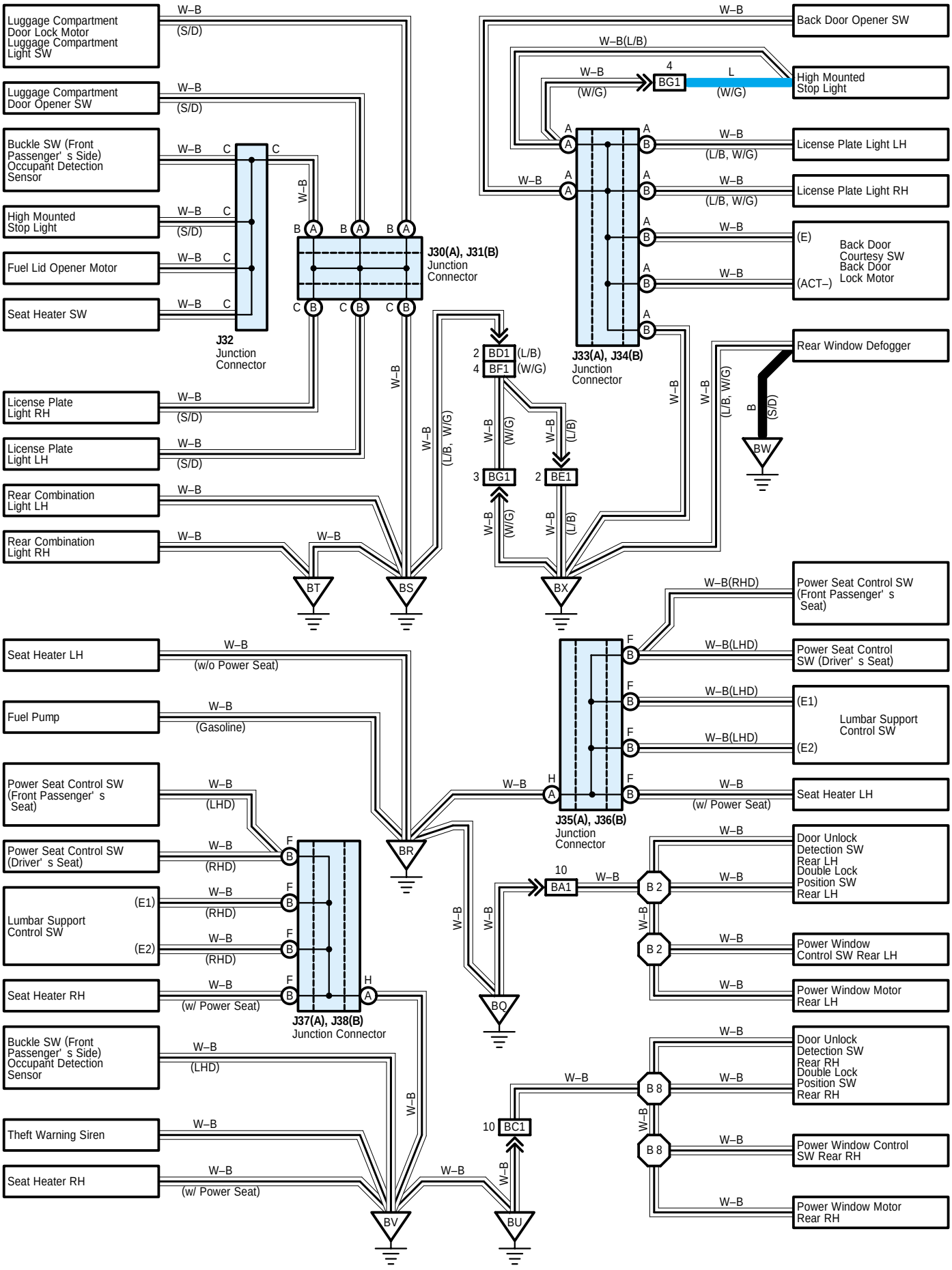



Engine and
ECT ECU (A/T)
Engine ECU
(M/T)
(E1)
(E03)
(E02)
(E01)
BR
W–B
EH
(1ZZ–FE, 3ZZ–FE)
E 4
Ignition Coil and
Igniter No. 1
Ignition Coil and
Igniter No. 2
Ignition Coil and
Igniter No. 3
Ignition Coil and
Igniter No. 4
14
IK2
(SG) DLC3
ISC Valve
EG
(1ZZ–FE, 3ZZ–FE)

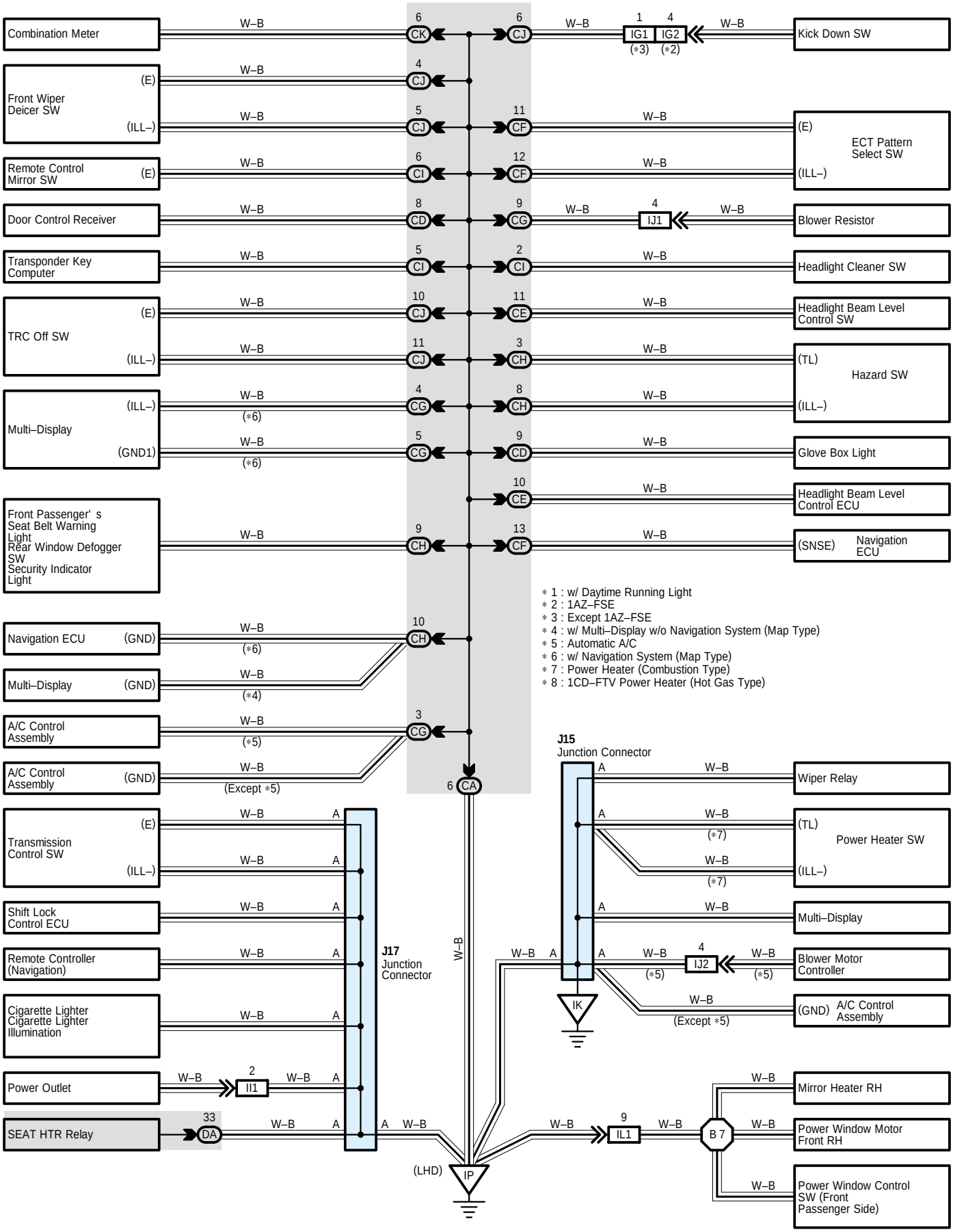

Glow Plug Relay
HTR1 Relay
HTR2 Relay
3
I 3
Engine ECU
(M/T)
(E1)
(E02)
(E01)
Throttle
Position SW
Electronic
Driver Unit
Engine Oil Level
Sensor
Fuel Filter
Warning SW
Fuel Heater
(1CD–FTV)
EI
(EOM) Engine ECU
(M/T)
(SG) DLC3
Combination SW
J12(A), J13(B)
Junction Connector

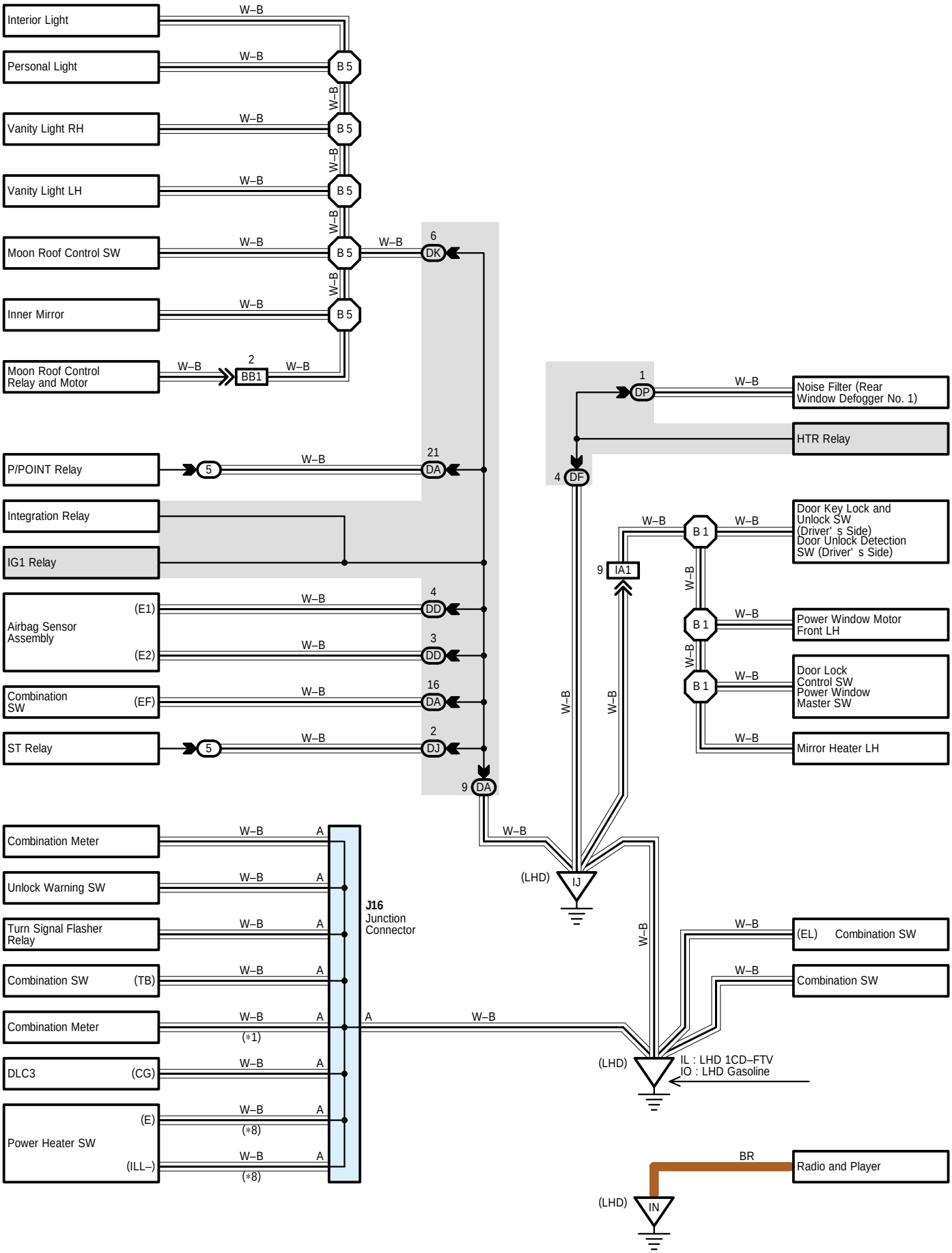
I GROUND POINT



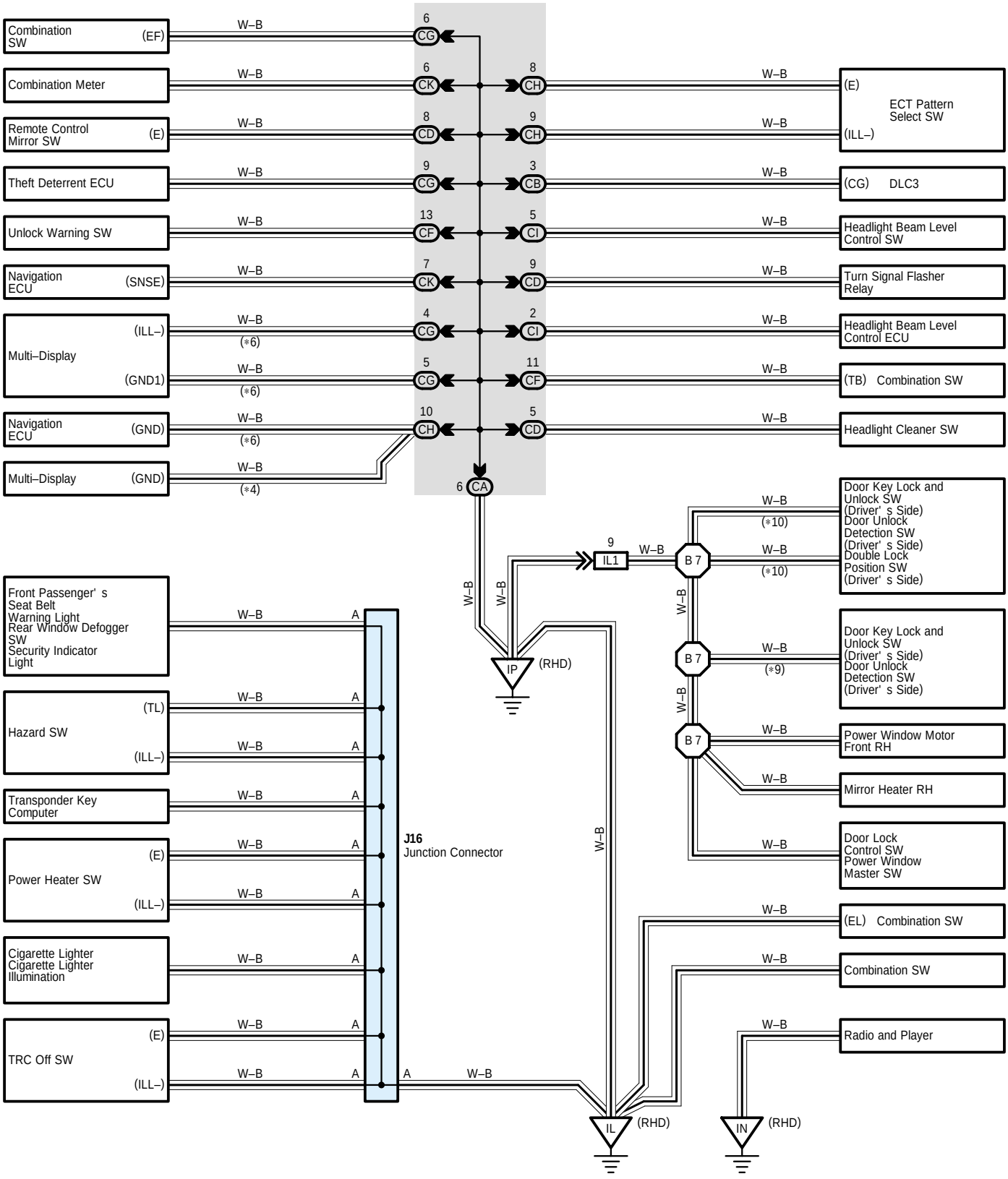

Luggage Compartment Door Lock Motor
Luggage Compartment Light SW
Luggage Compartment Door Opener SW
Buckle SW (Front Passenger' s Side) Occupant Detection Sensor
High Mounted Stop Light
Fuel Lid Opener Motor
Seat Heater SW
License Plate Light RH
License Plate Light LH
Rear Combination Light LH
Rear Combination Light RH
W–B
(S/D)
J32
Junction Connector
J30(A), J31(B)
Junction Connector
J33(A), J34(B)
Junction Connector
Back Door Opener SW
W–B(L/B)
W–B
(W/G)
BG1
L
High Mounted Stop Light
License Plate Light LH
License Plate Light RH
(L/B, W/G)
(E)
(ACT–)
Back Door Courtesy SW
Back Door Lock Motor
Rear Window Defogger
BD1
BF1
BE1
(L/B)
BT
BS
BX
BW
Seat Heater LH
(w/o Power Seat)
Fuel Pump
(Gasoline)
Power Seat Control SW (Front Passenger' s Seat)
(LHD)
Power Seat Control SW (Driver' s Seat)
(RHD)
Lumbar Support Control SW
(E1)
(E2)
Seat Heater RH
(w/ Power Seat)
J37(A), J38(B)
Junction Connector
J35(A), J36(B)
Junction Connector
W–B(RHD)
Power Seat Control SW (Front Passenger' s Seat)
W–B(LHD)
Power Seat Control SW (Driver' s Seat)
Lumbar Support Control SW
Seat Heater LH
BR
BQ
BA1
BC1
B 2
B 8
Door Unlock Detection SW Rear LH
Double Lock Position SW Rear LH
Power Window Control SW Rear LH
Power Window Motor Rear LH
Door Unlock Detection SW Rear RH
Double Lock Position SW Rear RH
Power Window Control SW Rear RH
Power Window Motor Rear RH
Buckle SW (Front Passenger' s Side) Occupant Detection Sensor
Theft Warning Siren
BV
BU

I GROUND POINT

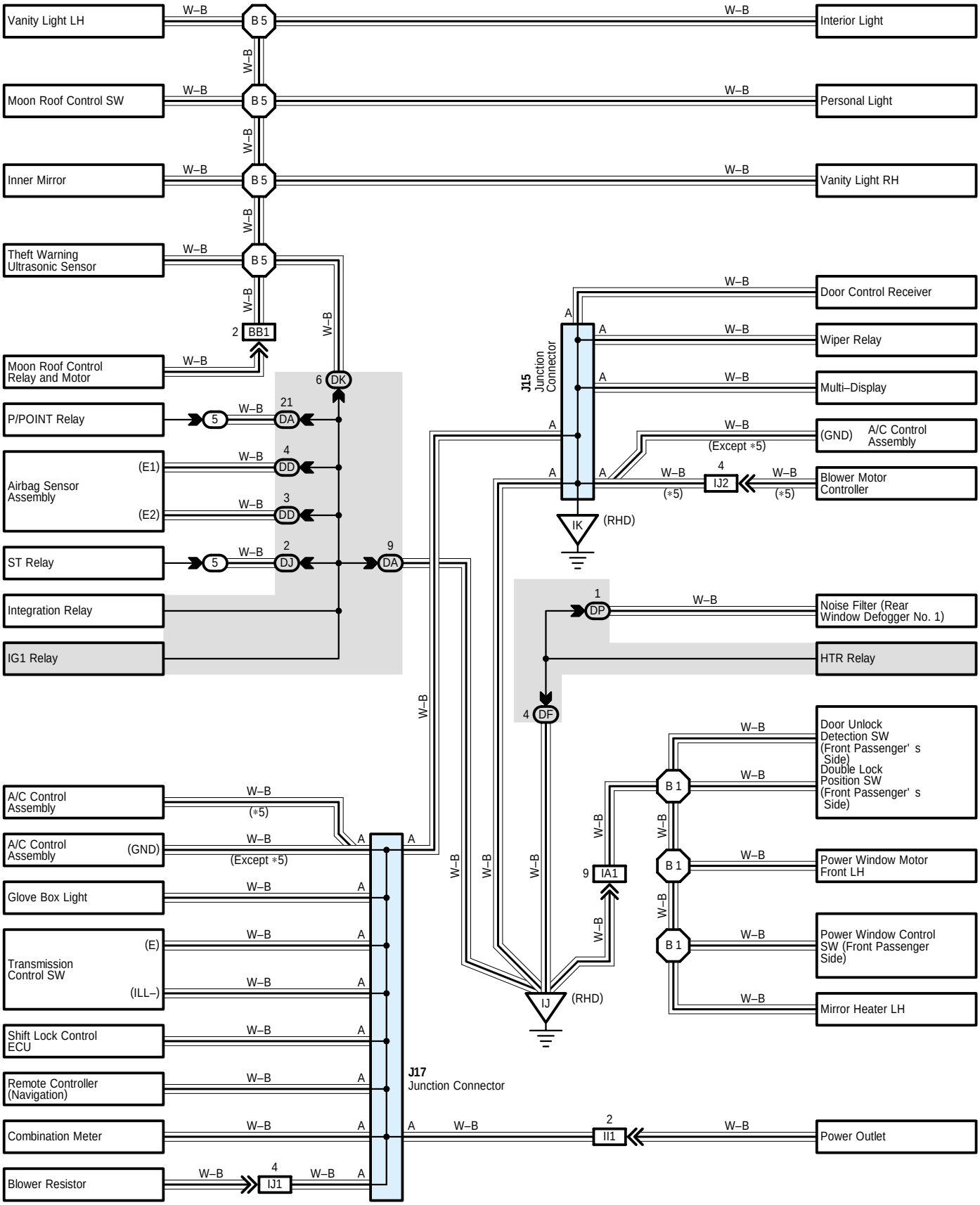


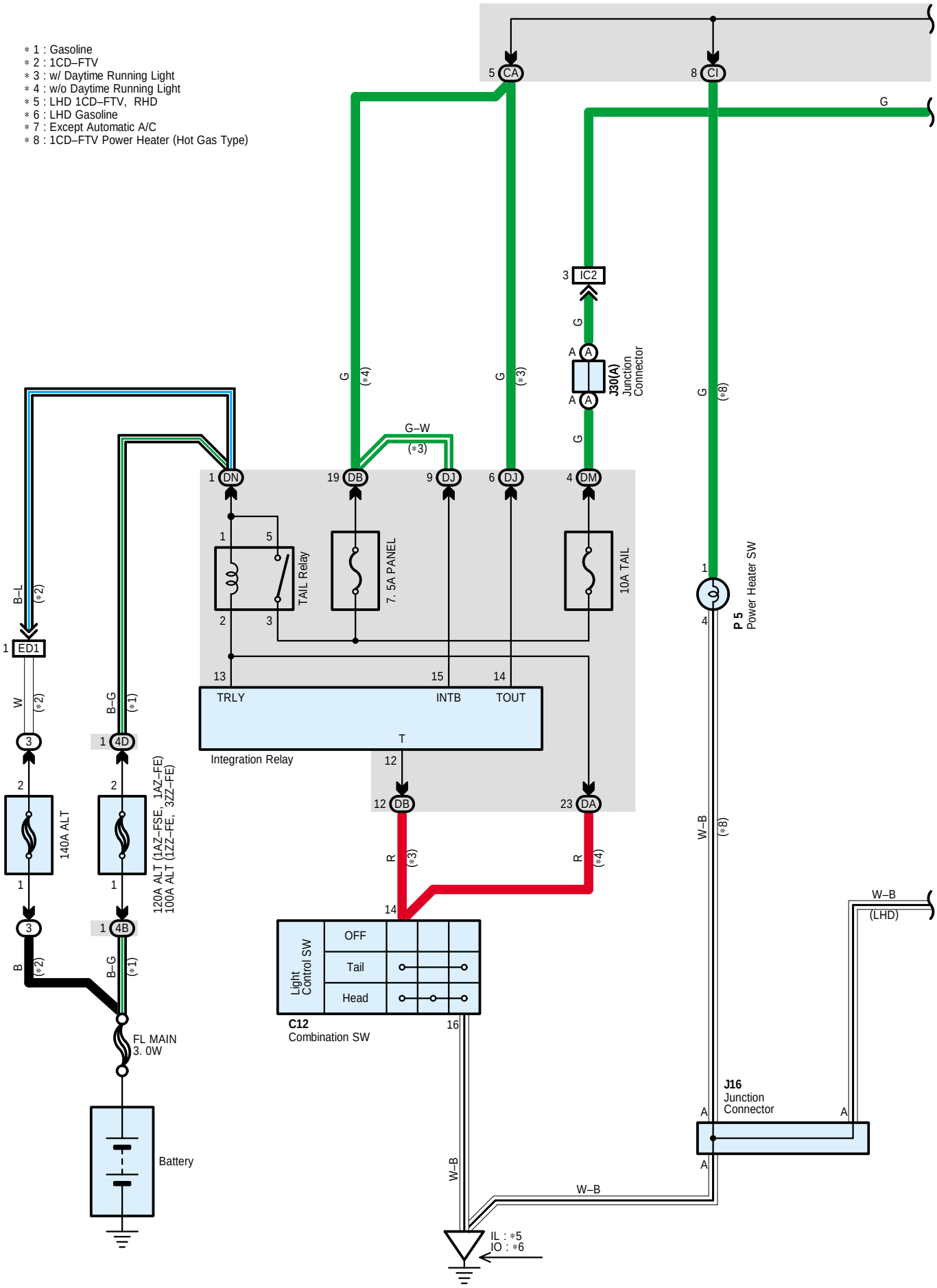

Interior Light
Personal Light
Vanity Light RH
Vanity Light LH
Moon Roof Control SW
Inner Mirror
Moon Roof Control Relay and Motor
P/POINT Relay
Integration Relay
IG1 Relay
Airbag Sensor Assembly
(E1)
(E2)
Combination SW
(EF)
ST Relay
W–B
B 5
BB1
DK
DA
DD
DJ
DF
DP
IA1
B 1
Noise Filter (Rear Window Defogger No. 1)
HTR Relay
Door Key Lock and Unlock SW (Driver' s Side)
Door Unlock Detection SW (Driver' s Side)
Power Window Motor Front LH
Door Lock Control SW Power Window Master SW
Mirror Heater LH
Combination Meter
Unlock Warning SW
Turn Signal Flasher Relay
Combination SW
(TB)
DLC3
(CG)
Power Heater SW
(E)
(ILL–)
(*1)
(*8)
J16
Junction Connector
A
(LHD)
IJ
IL : LHD 1CD–FTV
IO : LHD Gasoline
(EL) Combination SW
BR
Radio and Player
IN

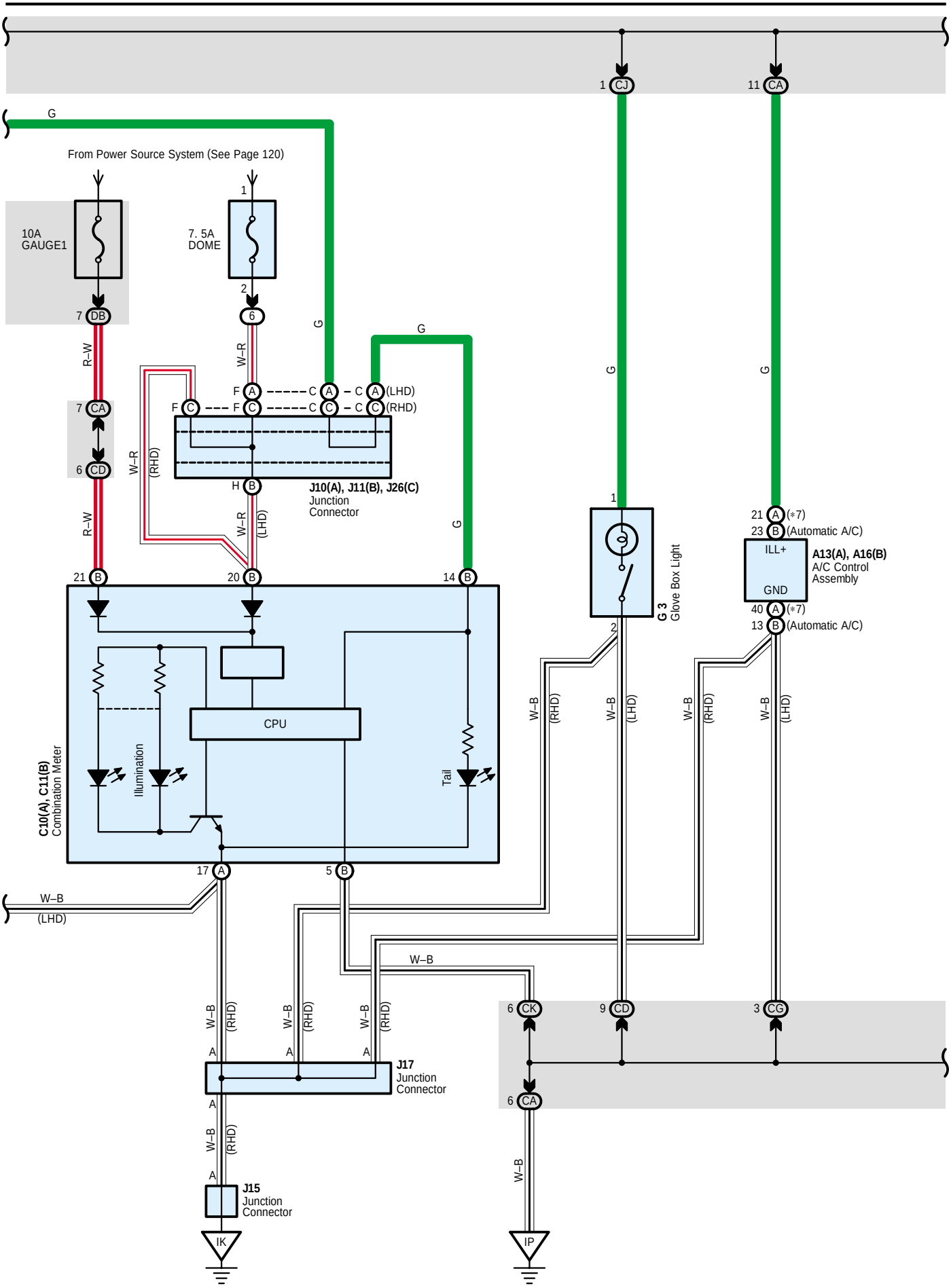
I GROUND POINT

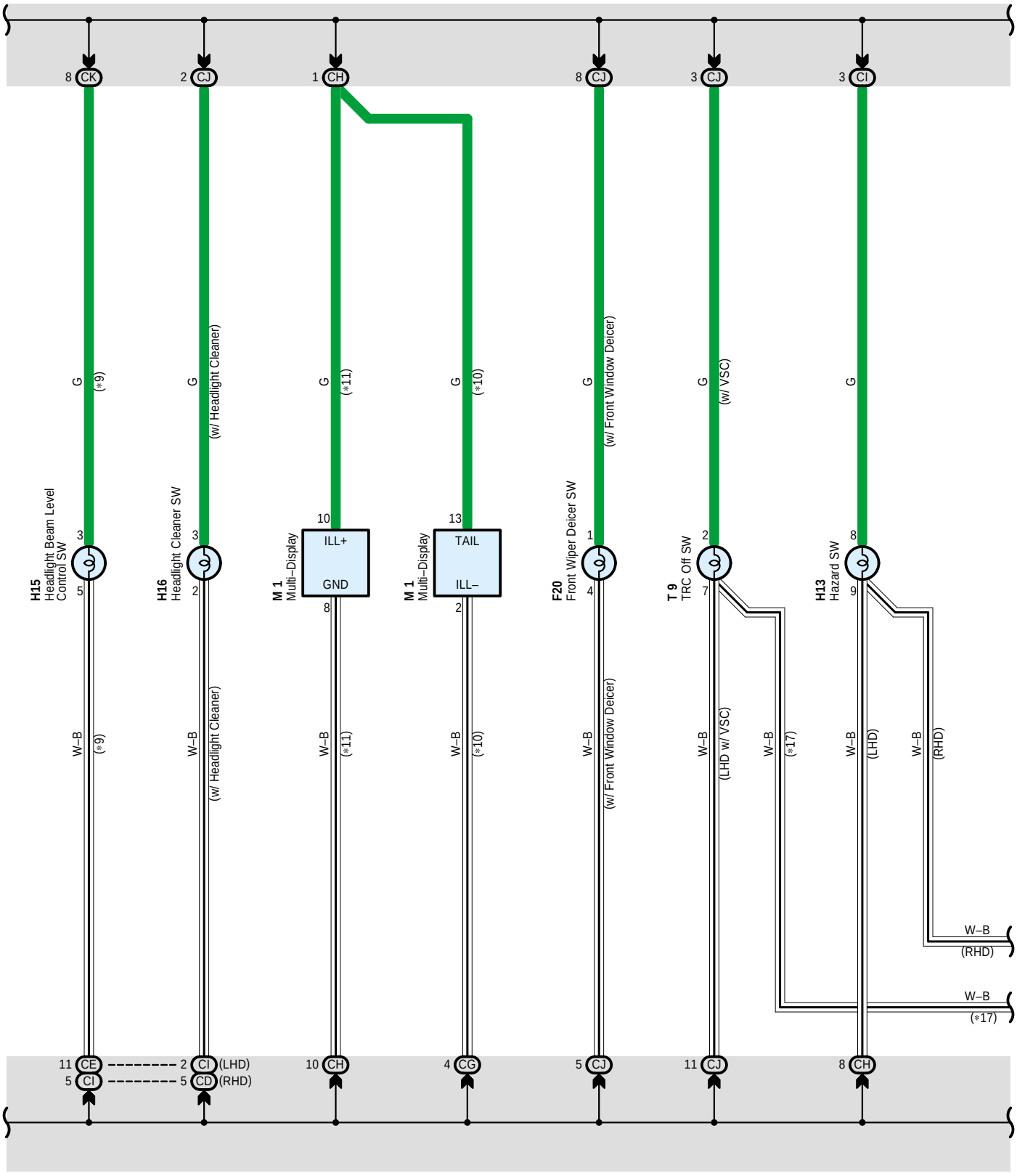


* 4 : w/ Multi–Display w/o Navigation System (Map Type)
* 5 : Automatic A/C
* 6 : w/ Navigation System (Map Type)
* 9 : w/o Double Locking
*10 : w/ Double Locking

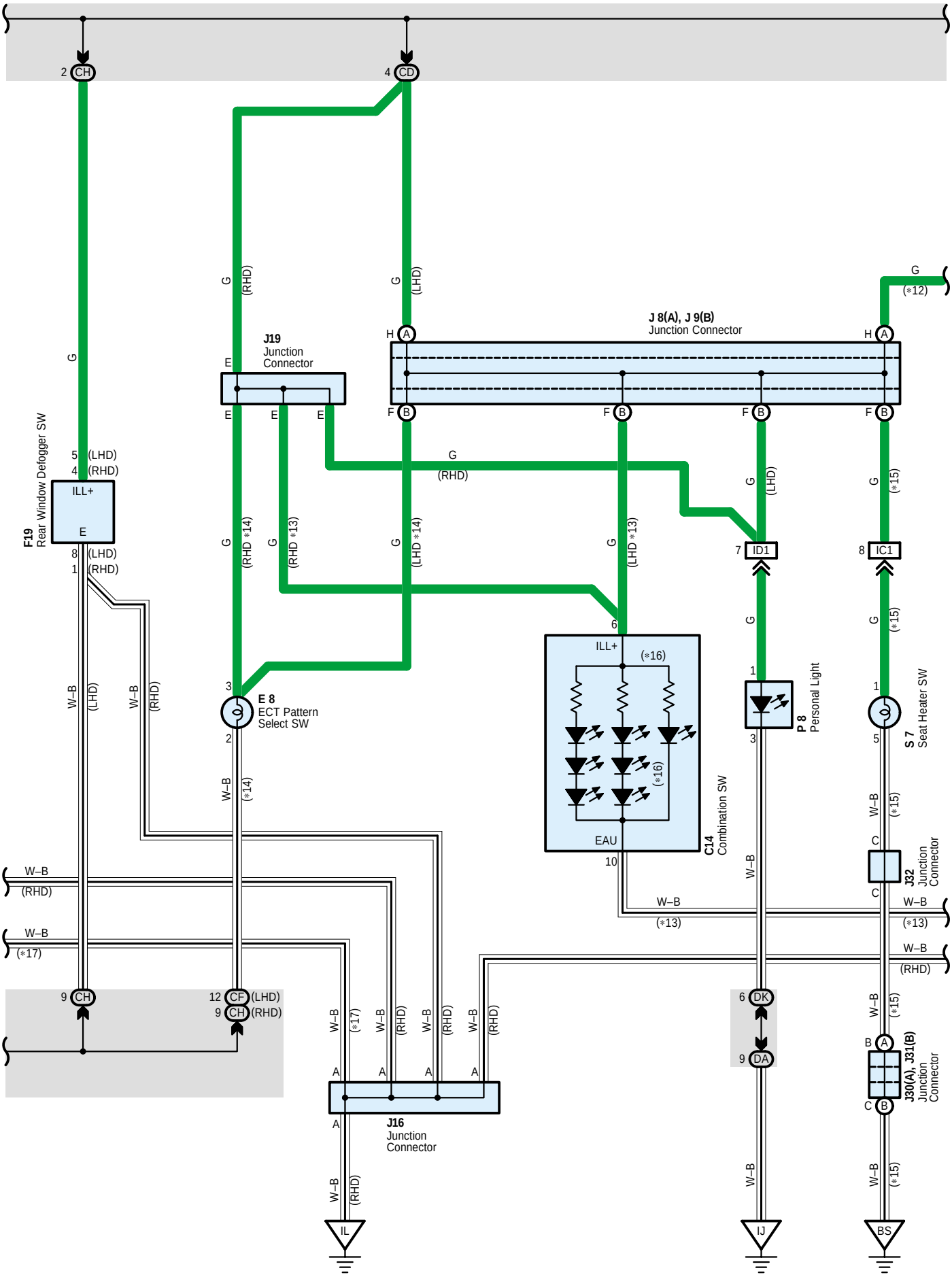

Vanity Light LH
Moon Roof Control SW
Inner Mirror
Theft Warning Ultrasonic Sensor
Moon Roof Control Relay and Motor
P/POINT Relay
Airbag Sensor Assembly
(E1)
(E2)
ST Relay
Integration Relay
IG1 Relay
W–B
B 5
2 BB1
6 DK
21 DA
4 DD
3 DD
2 DJ
9 DA
5
Interior Light
Personal Light
Vanity Light RH
Door Control Receiver
Wiper Relay
Multi–Display
(GND) A/C Control Assembly
Blower Motor Controller
(Except ∗5)
(∗5)
4 IJ2
J15 Junction Connector
A
IK (RHD)
1 DP
Noise Filter (Rear Window Defogger No. 1)
HTR Relay
4 DF
IJ (RHD)
Door Unlock Detection SW (Front Passenger' s Side)
Double Lock Position SW (Front Passenger' s Side)
Power Window Motor Front LH
Power Window Control SW (Front Passenger Side)
Mirror Heater LH
B 1
9 IA1
A/C Control Assembly
(∗5)
(GND)
(Except ∗5)
Glove Box Light
Transmission Control SW
(E)
(ILL–)
Shift Lock Control ECU
Remote Controller (Navigation)
Combination Meter
Blower Resistor
4 IJ1
J17 Junction Connector
2 II1
Power Outlet

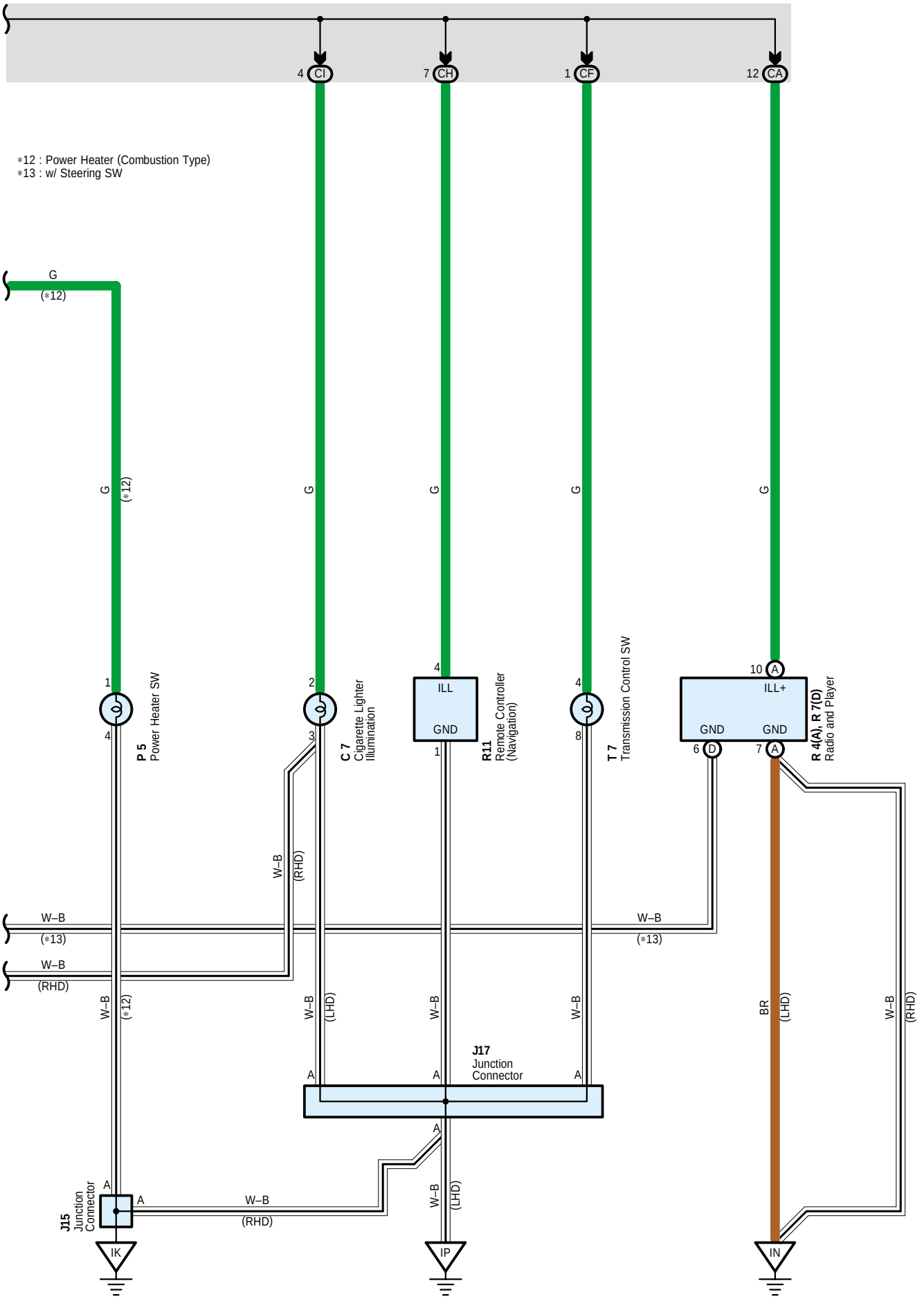

∗ 1 : Gasoline
∗ 2 : 1CD–FTV
∗ 3 : w/ Daytime Running Light
∗ 4 : w/o Daytime Running Light
∗ 5 : LHD 1CD–FTV, RHD
∗ 6 : LHD Gasoline
∗ 7 : Except Automatic A/C
∗ 8 : 1CD–FTV Power Heater (Hot Gas Type)
5 CA
8 CI
G
3 IC2
A A
J30(A) Junction Connector
A A
G (∗4)
G (∗3)
G (∗8)
G–W (∗3)
1 DN
19 DB
9 DJ
6 DJ
4 DM
TAIL Relay
7. 5A PANEL
10A TAIL
P 5 Power Heater SW
B–L (∗2)
1 ED1
W (∗2)
B–G (∗1)
1 4D
3
2
140A ALT
120A ALT (1AZ–FSE, 1AZ–FE)
100A ALT (1ZZ–FE, 3ZZ–FE)
1
3
1 4B
B (∗2)
B–G (∗1)
FL MAIN
3. 0W
Battery
13
15
14
TRLY
INTB
TOUT
T
Integration Relay
12
12 DB
23 DA
R (∗3)
R (∗4)
14
Light Control SW
OFF
Tail
Head
C12
Combination SW
16
W–B (∗8)
W–B
(LHD)
J16
Junction Connector
A
A
A
W–B
W–B
IL : ∗5
IO : ∗6


From Power Source System (See Page 120)
10A
GAUGE1
7. 5A
DOME
J10(A), J11(B), J26(C)
Junction
Connector
C10(A), C11(B)
Combination Meter
CPU
Illumination
Tail
G 3
Glove Box Light
A13(A), A16(B)
A/C Control
Assembly
ILL+
GND
(Automatic A/C)
J17
Junction
Connector
J15
Junction
Connector
IK
IP
(LHD)
(RHD)

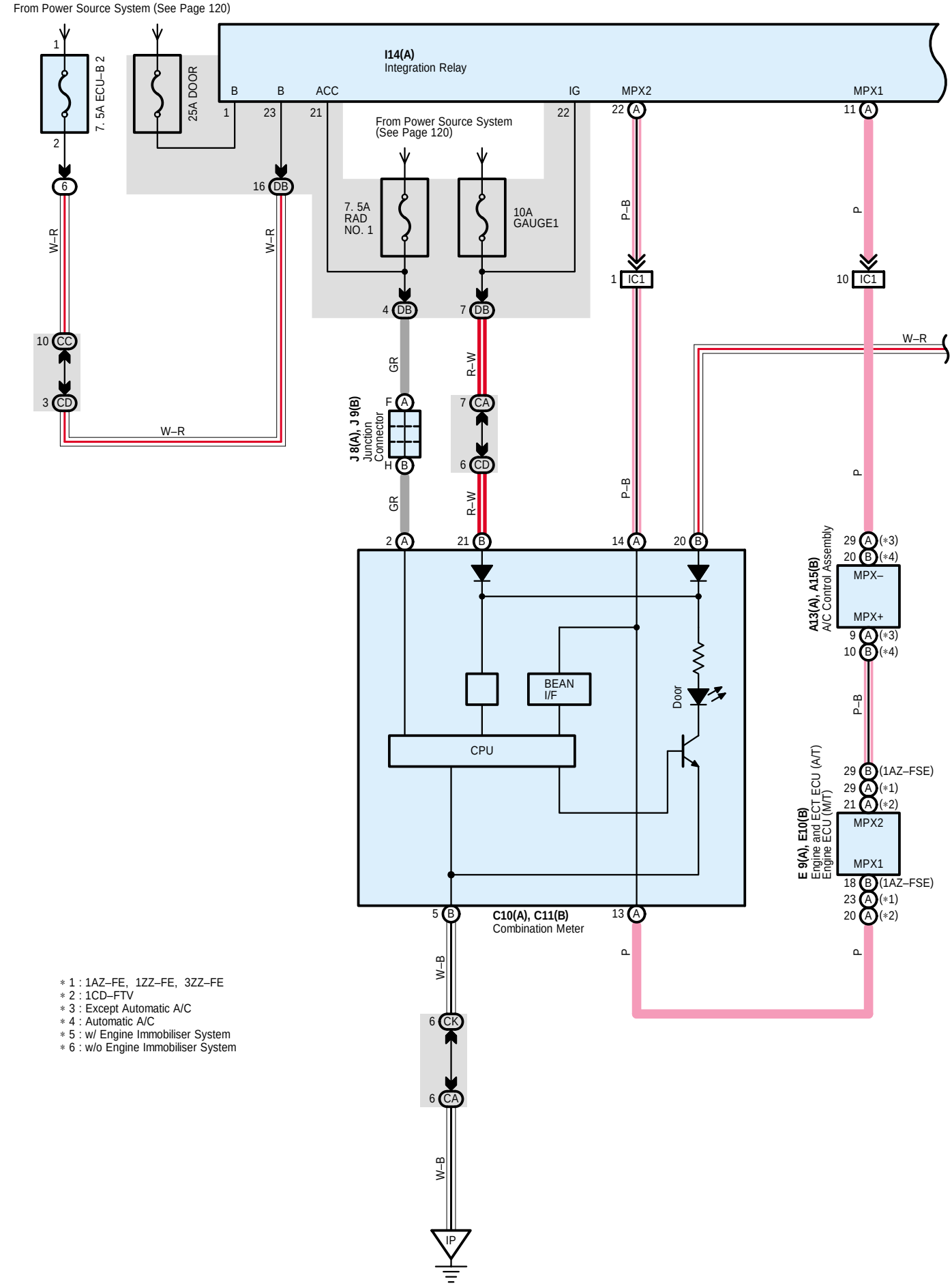


∗ 9 : w/ Headlight Beam Level Control w/o HID
∗10 : w/ Navigation System (Map Type)
∗11 : w/ Multi–Display w/o Navigation System (Map Type)
∗12 : Power Heater (Combustion Type)
∗13 : w/ Steering SW
∗14 : A/T Except 1AZ–FE
∗15 : w/ Seat Heater
∗16 : w/ Multi–Display
∗17 : RHD w/ VSC

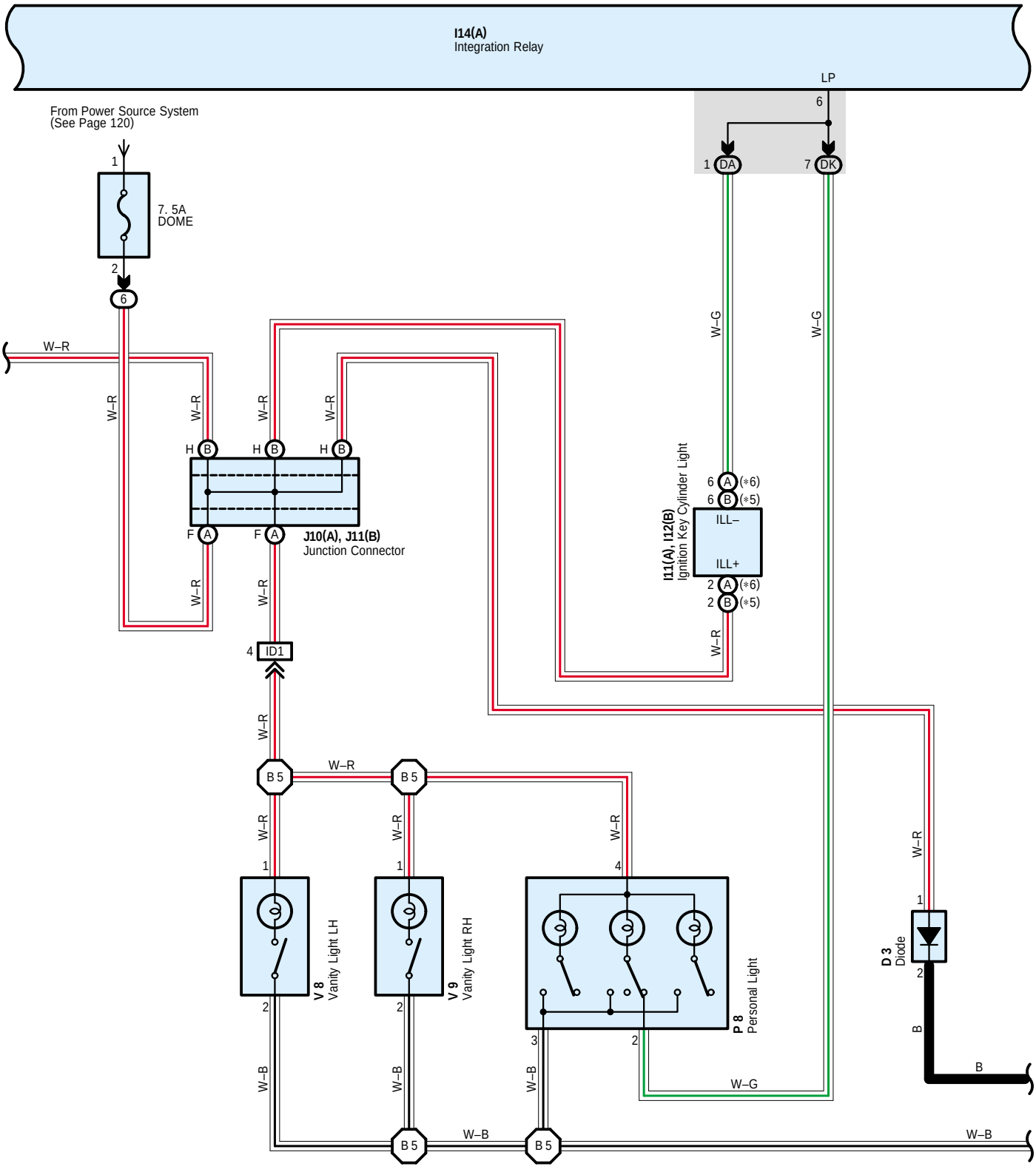

2 CH
4 CD
G (RHD)
G (LHD)
G (*12)
J 8(A), J 9(B)
Junction Connector
J19
Junction
Connector
H A
F B
E
G
5 (LHD)
4 (RHD)
ILL+
E
F19
Rear Window Defogger SW
8 (LHD)
1 (RHD)
G (RHD)
G (LHD)
G (*15)
7 ID1
8 IC1
G (RHD *14)
G (RHD *13)
G (LHD *14)
G (LHD *13)
6
ILL+
(*16)
1
P 8
Personal Light
S 7
Seat Heater SW
3
E 8
ECT Pattern
Select SW
2
W–B (LHD)
W–B (RHD)
W–B (*14)
C14
Combination SW
EAU
10
W–B (*13)
C
J32
Junction
Connector
W–B (RHD)
W–B (*17)
9 CH
12 CF (LHD)
9 CH (RHD)
W–B (*17)
W–B (RHD)
A
J16
Junction
Connector
W–B (RHD)
IL
6 DK
9 DA
IJ
B A
C B
J30(A), J31(B)
Junction
Connector
BS


4 CI
7 CH
1 CF
12 CA
*12 : Power Heater (Combustion Type)
*13 : w/ Steering SW
G
(*12)
P 5
Power Heater SW
C 7
Cigarette Lighter Illumination
R11
Remote Controller (Navigation)
T 7
Transmission Control SW
R 4(A), R 7(D)
Radio and Player
ILL
GND
ILL+
W–B
(RHD)
(LHD)
(*13)
BR
J17
Junction Connector
J15
Junction Connector
IK
IP
IN

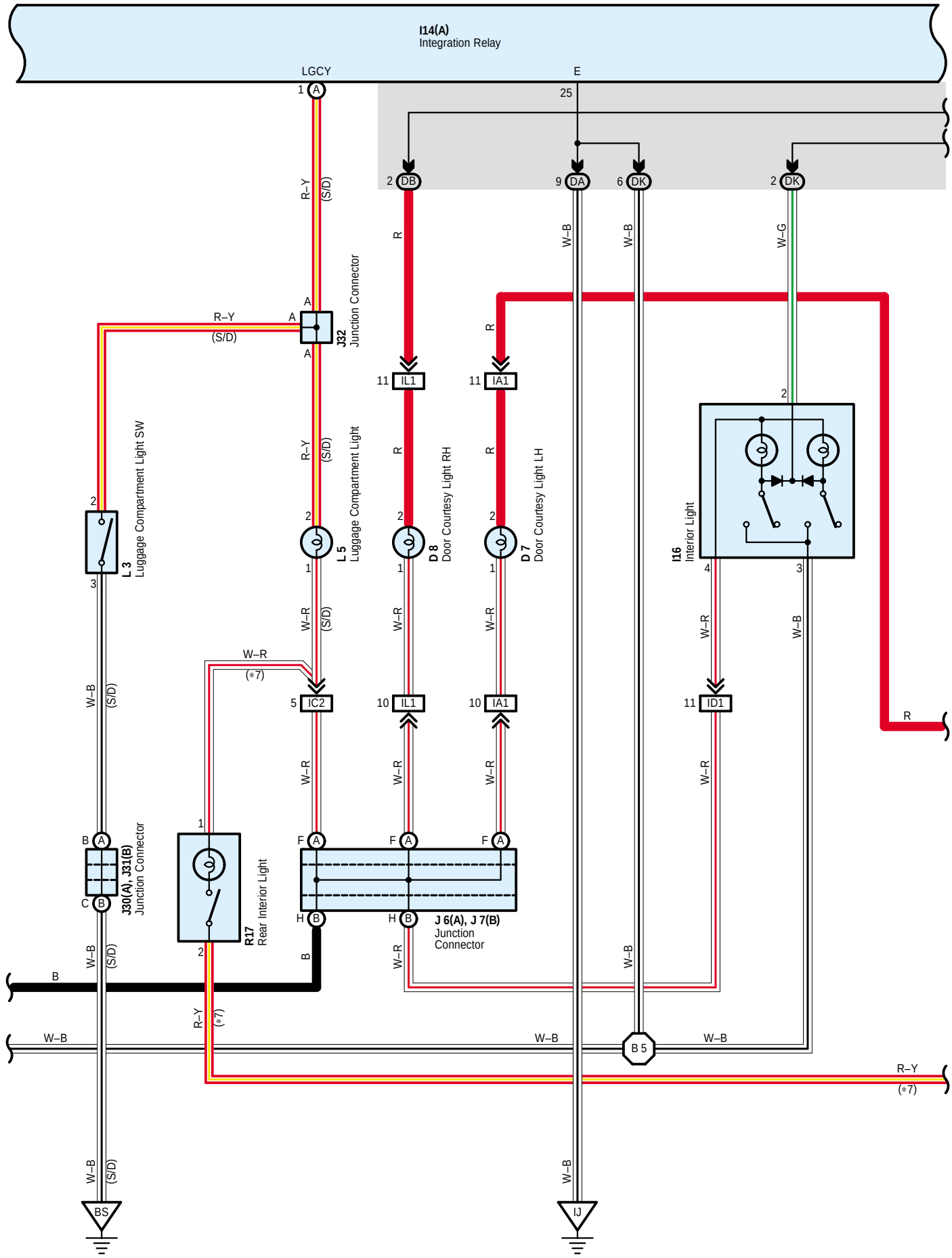
Interior Light (LHD)

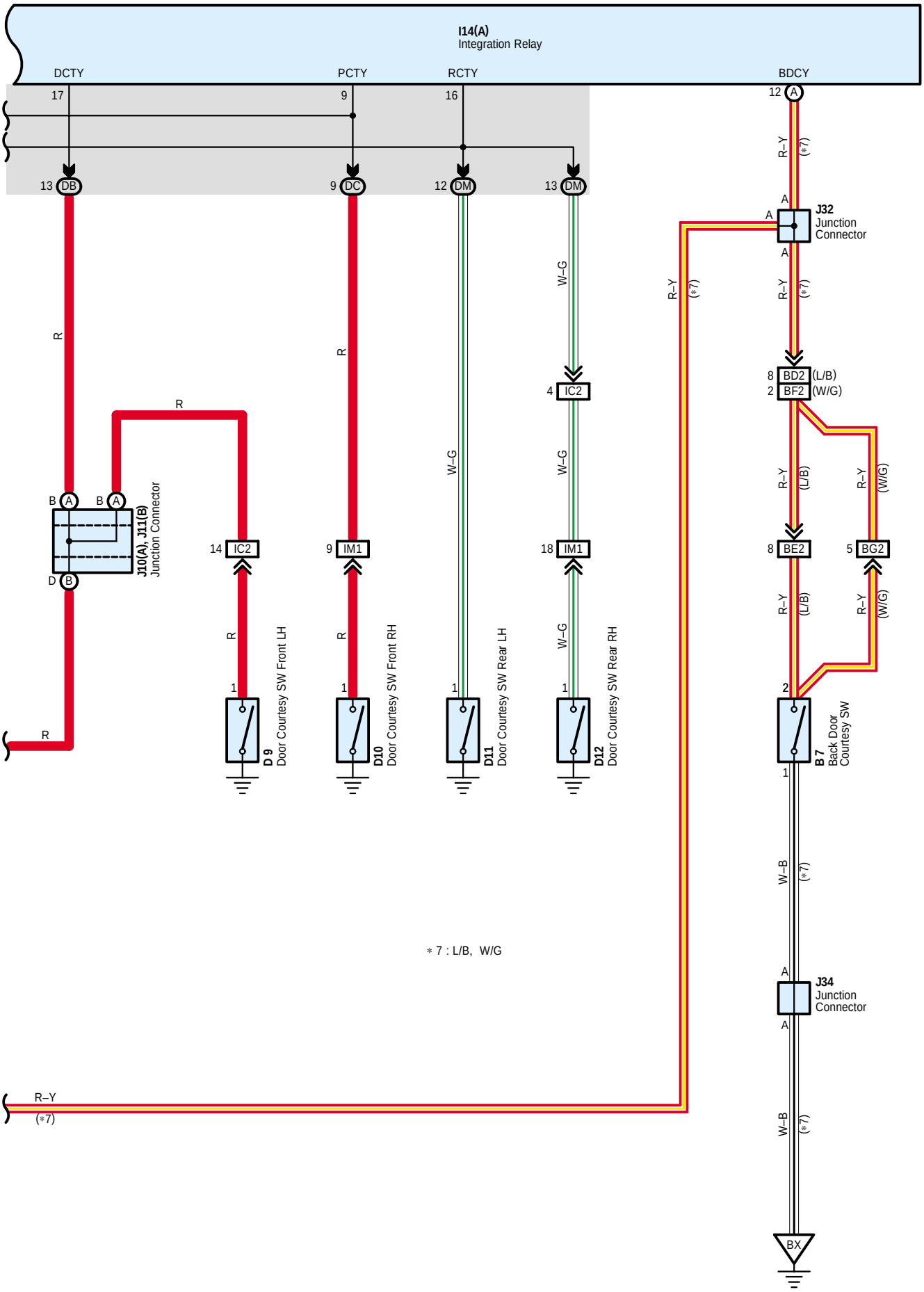


* 1 : 1AZ–FE, 1ZZ–FE, 3ZZ–FE
* 2 : 1CD–FTV
* 3 : Except Automatic A/C
* 4 : Automatic A/C
* 5 : w/ Engine Immobiliser System
* 6 : w/o Engine Immobiliser System

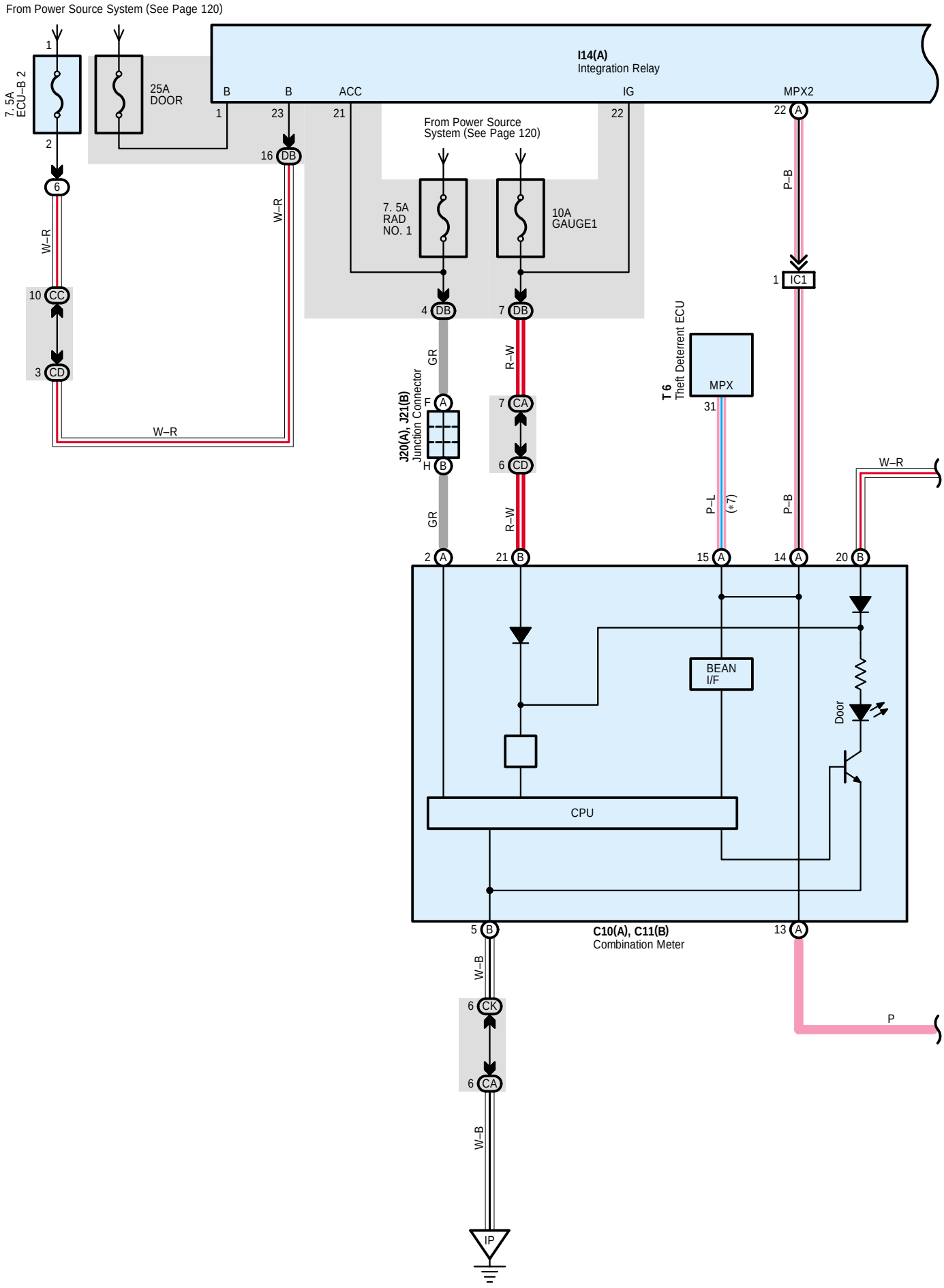

I14(A)
Integration Relay
LP
6
From Power Source System
(See Page 120)
1
7. 5A
DOME
2
6
1 DA
7 DK
W–G
W–G
W–R
W–R
W–R
W–R
W–R
H B
H B
H B
F A
F A
J10(A), J11(B)
Junction Connector
W–R
W–R
6 A (*6)
6 B (*5)
ILL–
ILL+
I11(A), I12(B)
Ignition Key Cylinder Light
2 A (*6)
2 B (*5)
W–R
4 ID1
W–R
B 5
W–R
B 5
W–R
W–R
W–R
1
1
4
V 8
Vanity Light LH
V 9
Vanity Light RH
P 8
Personal Light
D 3
Diode
2
2
2
3
B
B
W–B
W–B
W–B
W–G
B 5
W–B
B 5
W–B

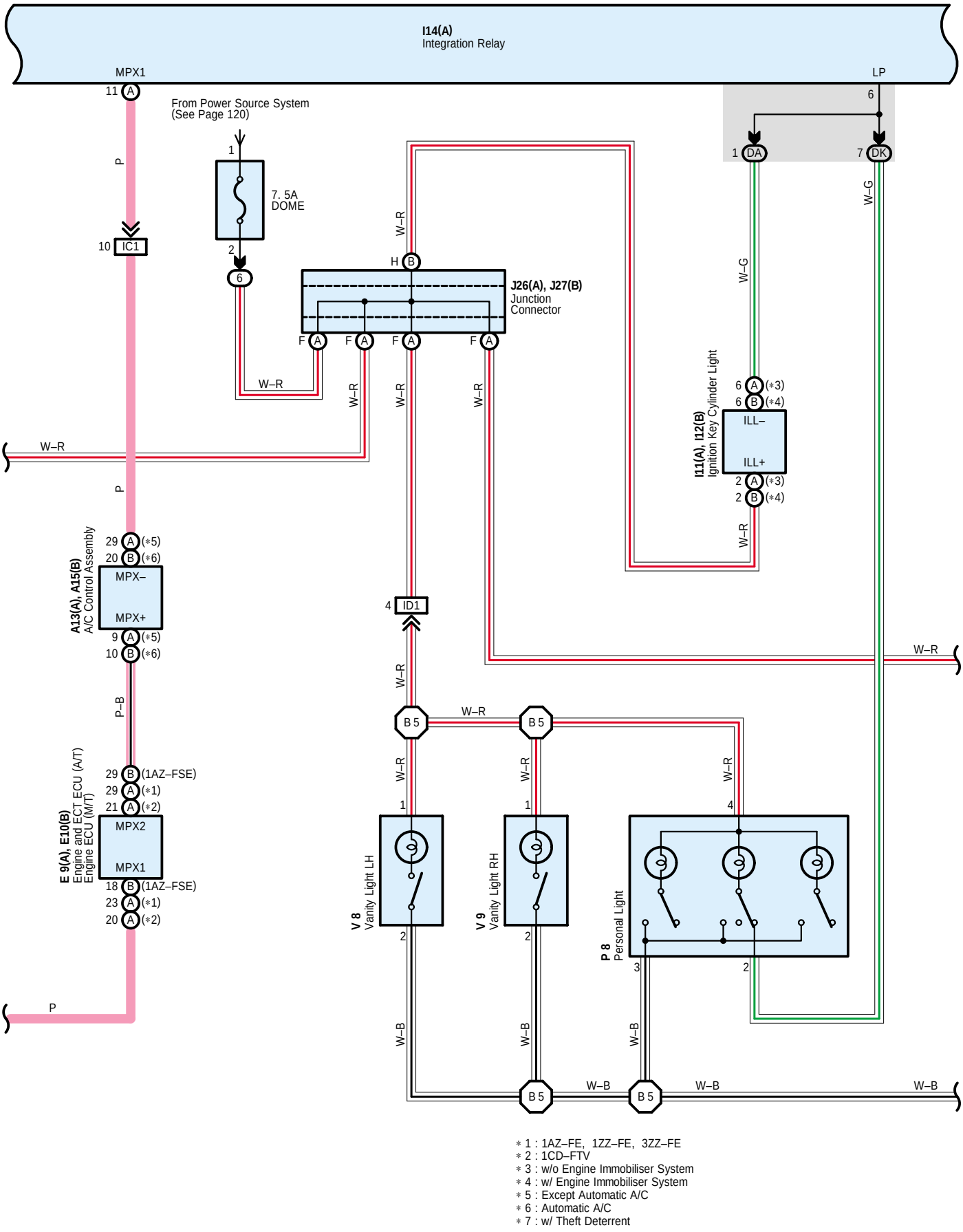
Interior Light (LHD)




I14(A)
Integration Relay
DCTY
PCTY
RCTY
BDCY
17
9
16
12 A
13 DB
9 DC
12 DM
13 DM
R–Y (*7)
A
J32
Junction Connector
A
R
R
W–G
R–Y (*7)
R–Y (*7)
4 IC2
8 BD2 (L/B)
2 BF2 (W/G)
R
R
W–G
W–G
R–Y (L/B)
R–Y (W/G)
B A B A
J10(A), J11(B)
Junction Connector
D B
14 IC2
9 IM1
18 IM1
8 BE2
5 BG2
R
R
R
R–Y (L/B)
R–Y (W/G)
1
1
1
1
2
D 9
Door Courtesy SW Front LH
D10
Door Courtesy SW Front RH
D11
Door Courtesy SW Rear LH
D12
Door Courtesy SW Rear RH
B 7
Back Door Courtesy SW
1
W–B (*7)
* 7 : L/B, W/G
A
J34
Junction Connector
A
R–Y
(*7)
W–B (*7)
BX

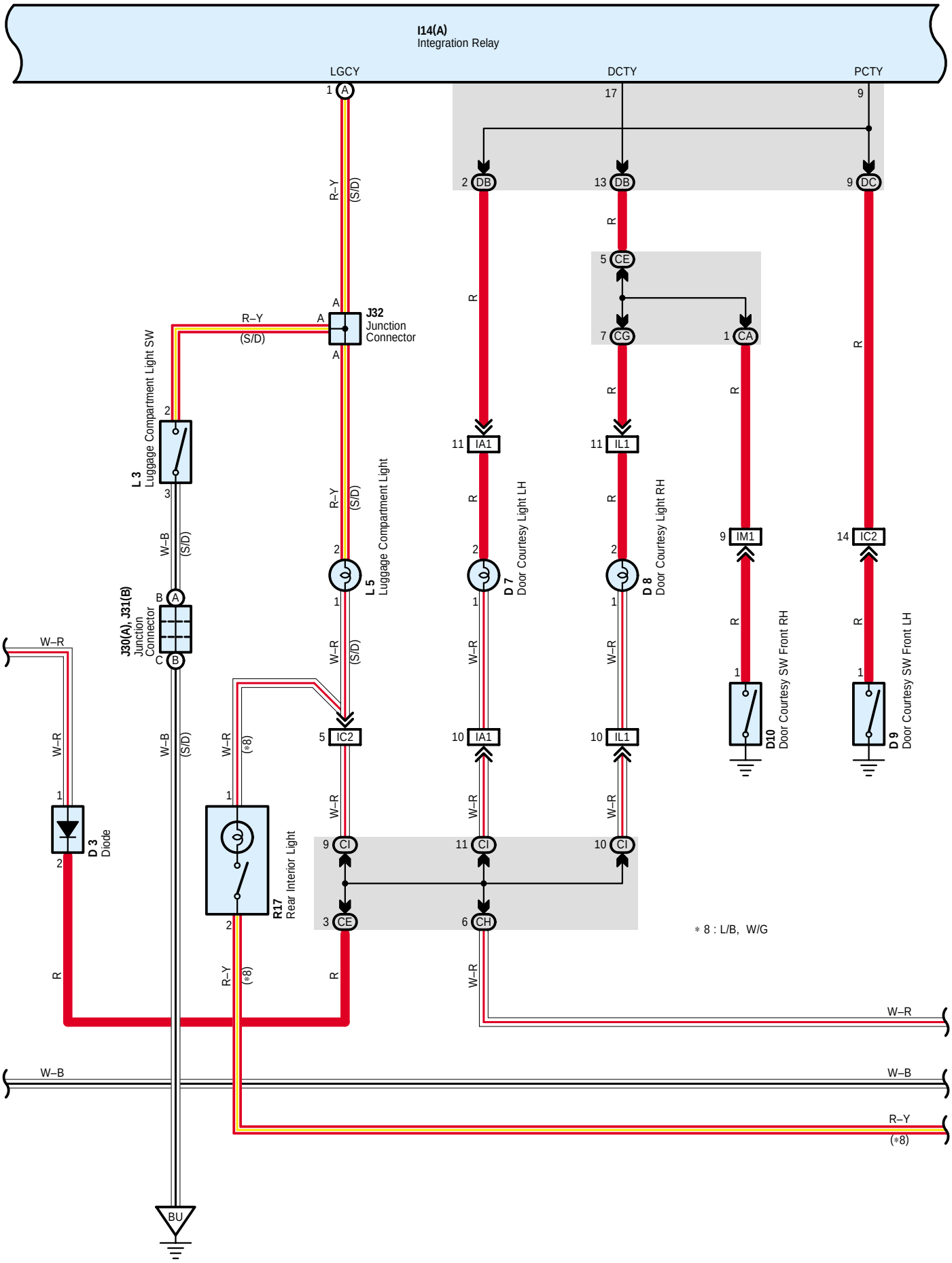
Interior Light (RHD)

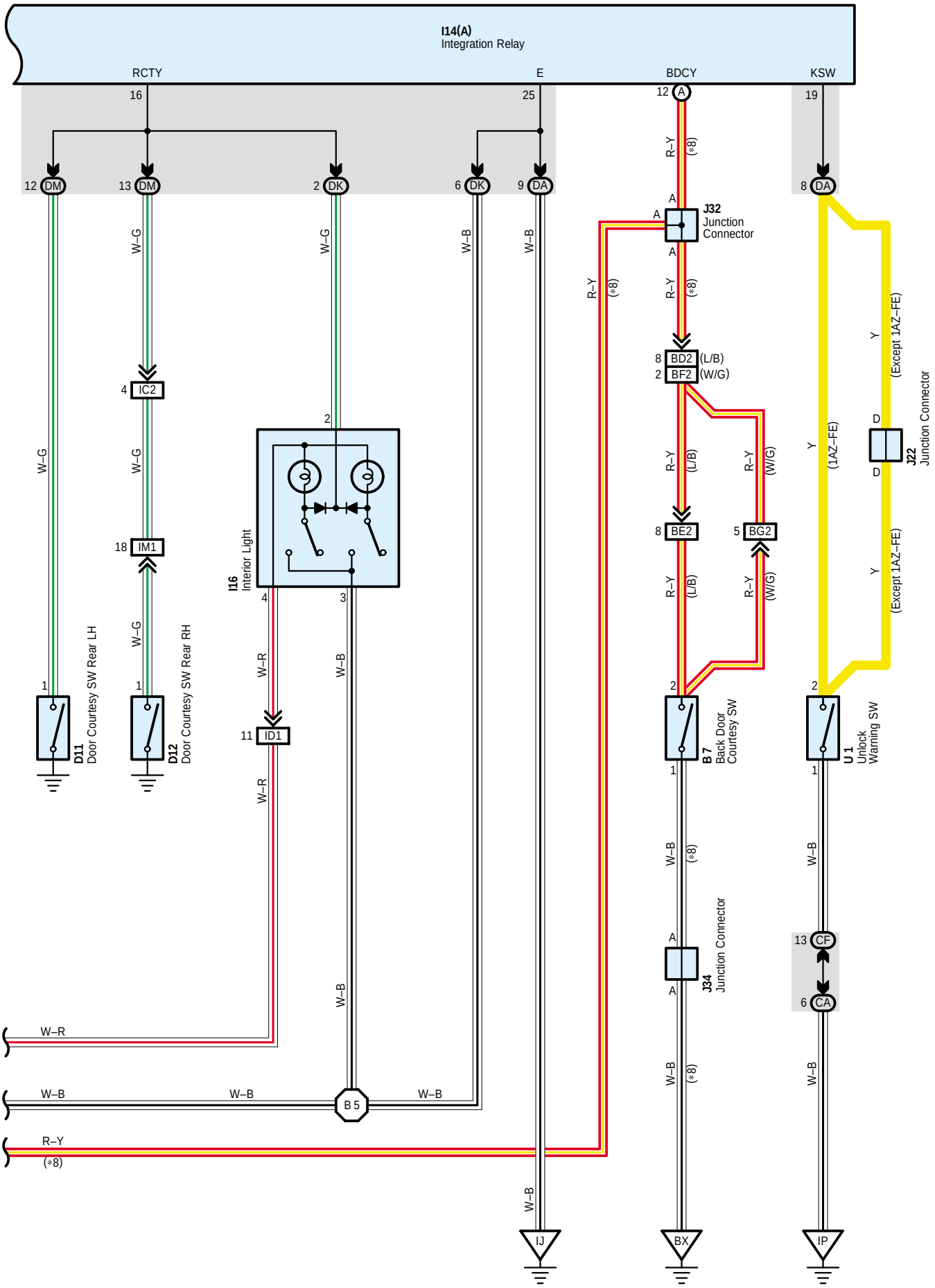




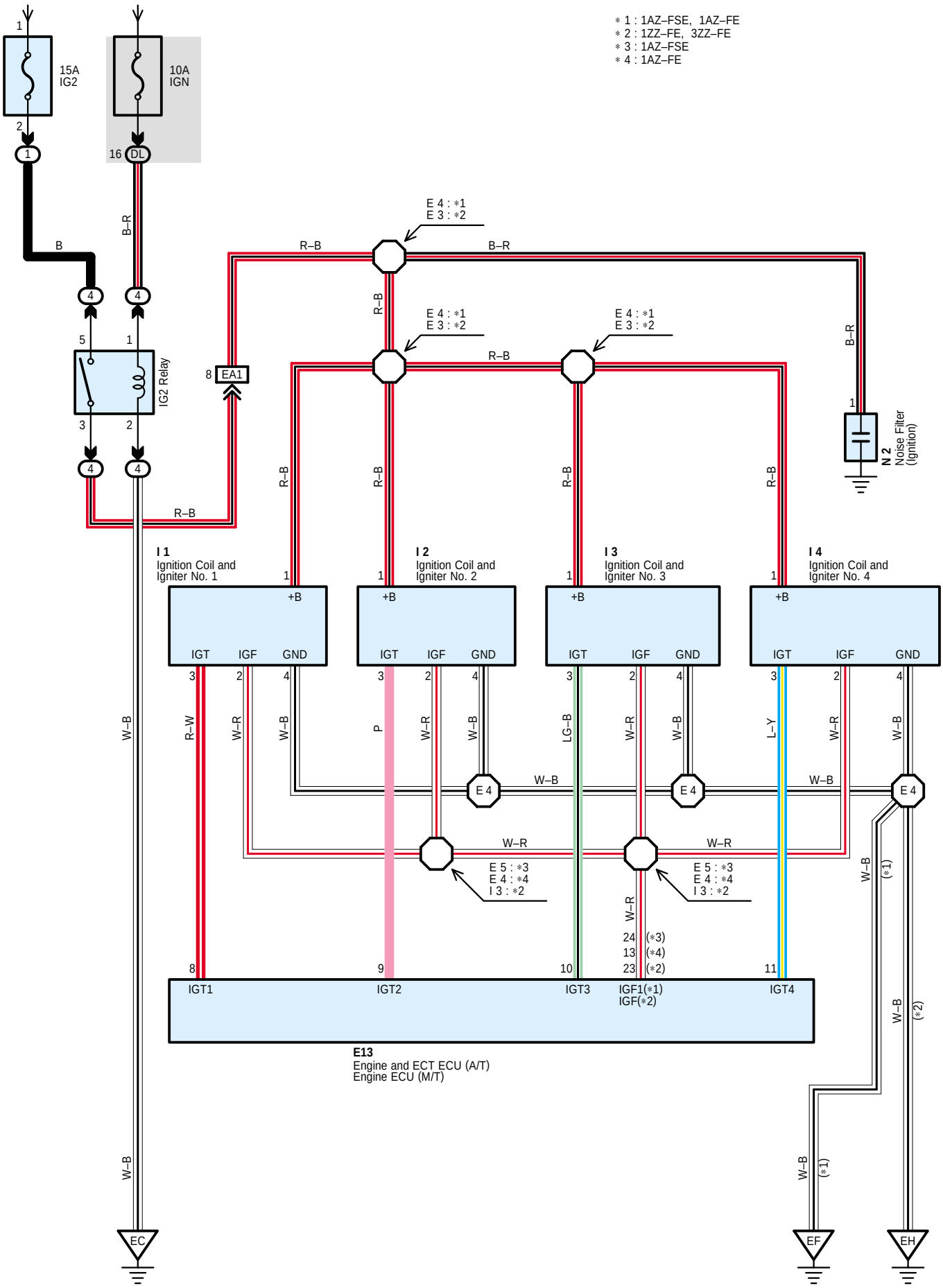
* 1 : 1AZ–FE, 1ZZ–FE, 3ZZ–FE
* 2 : 1CD–FTV
* 3 : w/o Engine Immobiliser System
* 4 : w/ Engine Immobiliser System
* 5 : Except Automatic A/C
* 6 : Automatic A/C
* 7 : w/ Theft Deterrent

Interior Light (RHD)



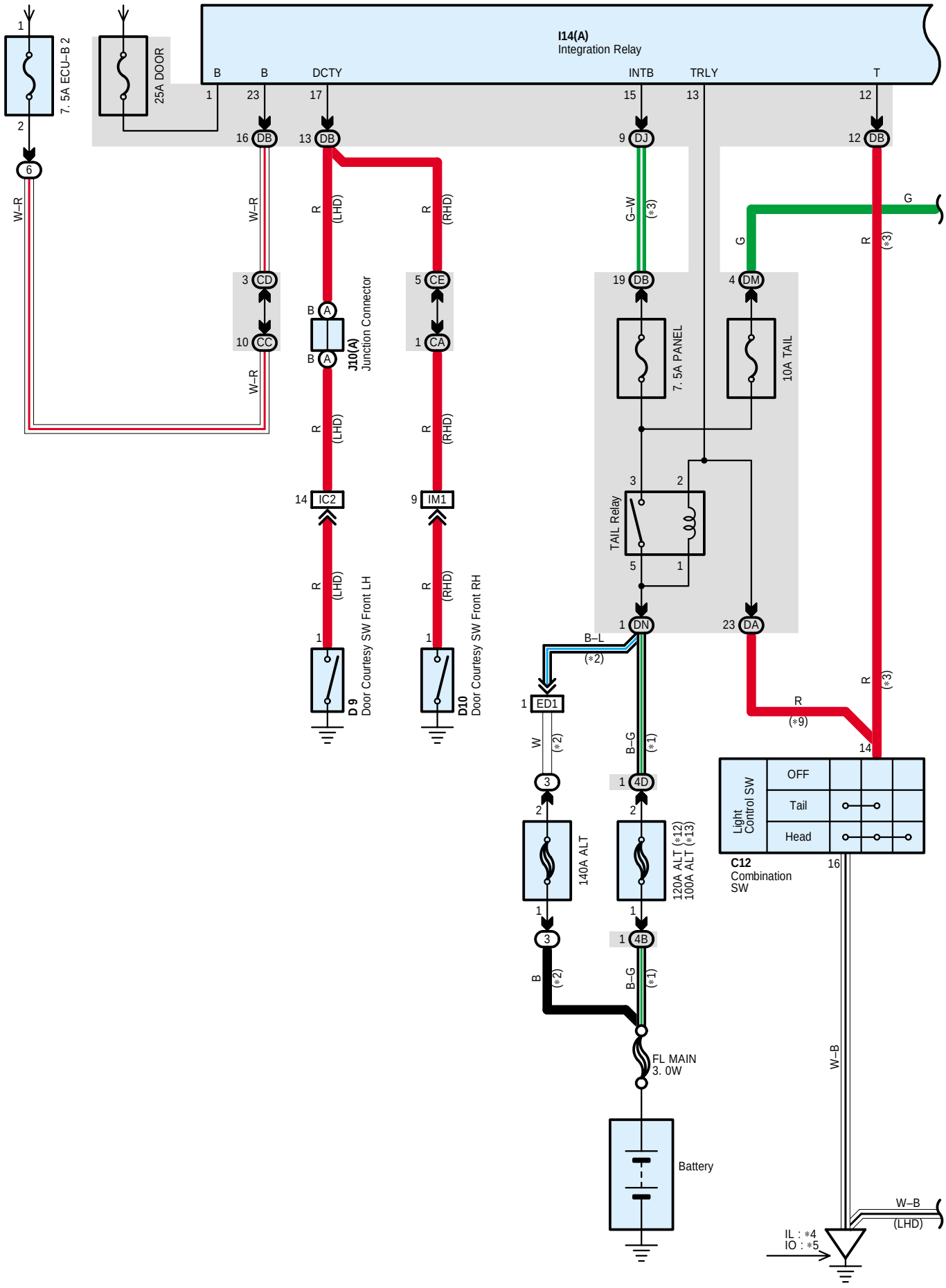

I14(A)
Integration Relay
RCTY
E
BDCY
KSW
16
25
12
19
12 DM
13 DM
2 DK
6 DK
9 DA
8 DA
A
J32
Junction
Connector
R–Y
(*8)
W–G
W–B
4 IC2
18 IM1
8 BD2 (L/B)
2 BF2 (W/G)
8 BE2
5 BG2
I16
Interior Light
W–R
1
D11
Door Courtesy SW Rear LH
D12
Door Courtesy SW Rear RH
11 ID1
B 5
B7
Back Door
Courtesy SW
U1
Unlock
Warning SW
J34
Junction Connector
J22
Junction Connector
Y
(1AZ–FE)
(Except 1AZ–FE)
D
13 CF
6 CA
IJ
BX
IP

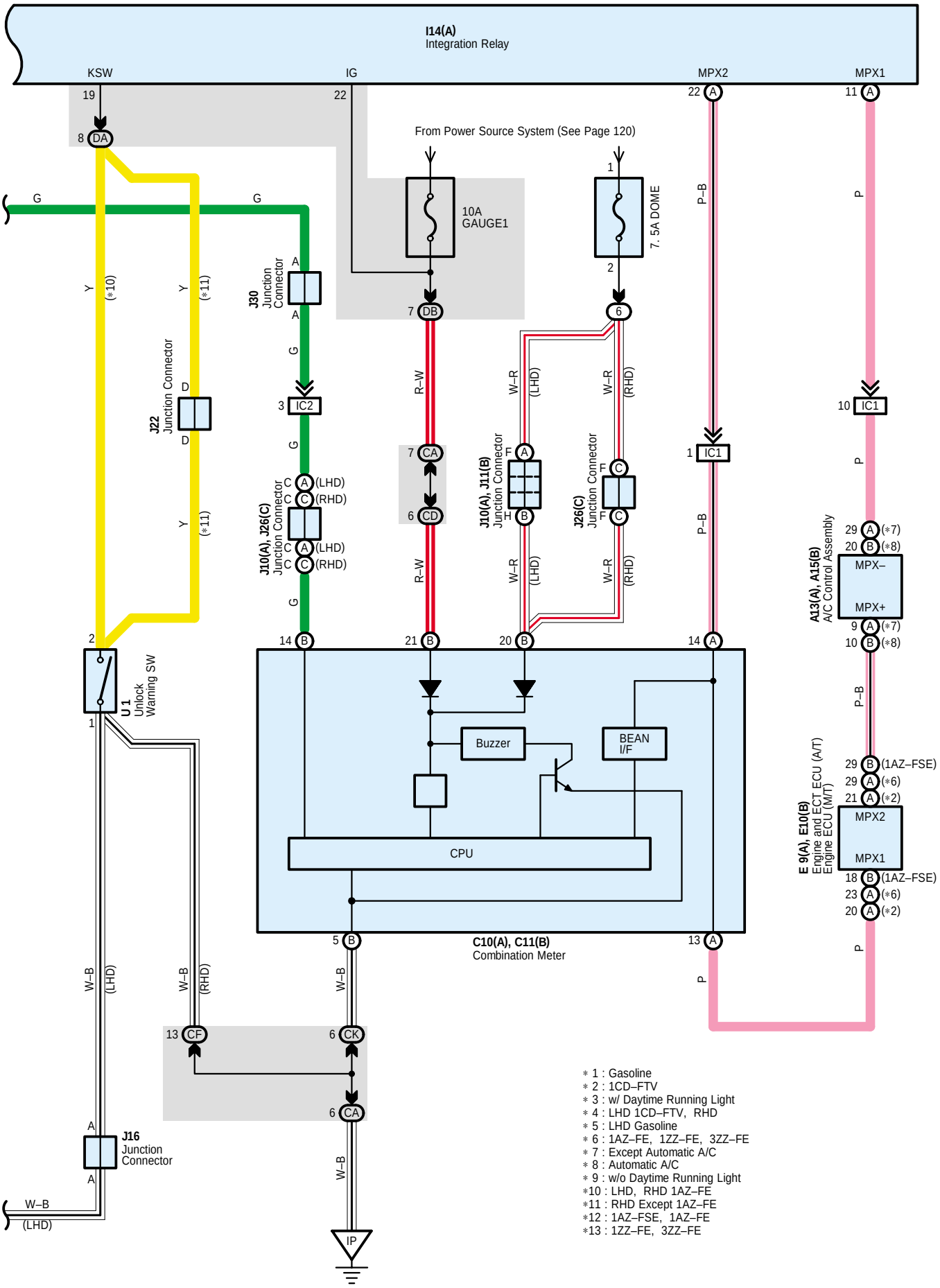
From Power Source System (See Page 120)



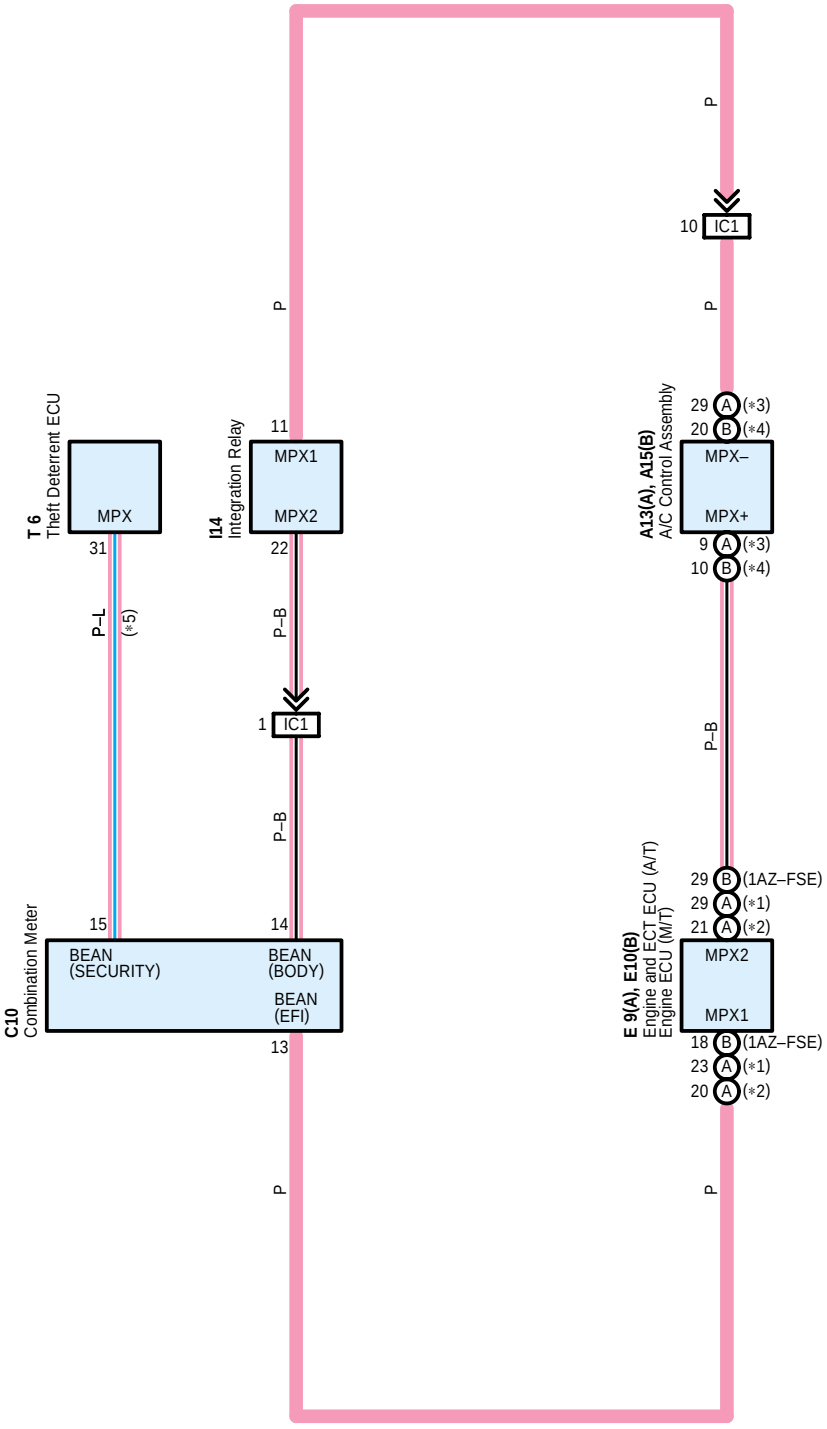
Key Reminder and Light Reminder

From Power Source System (See Page 120)

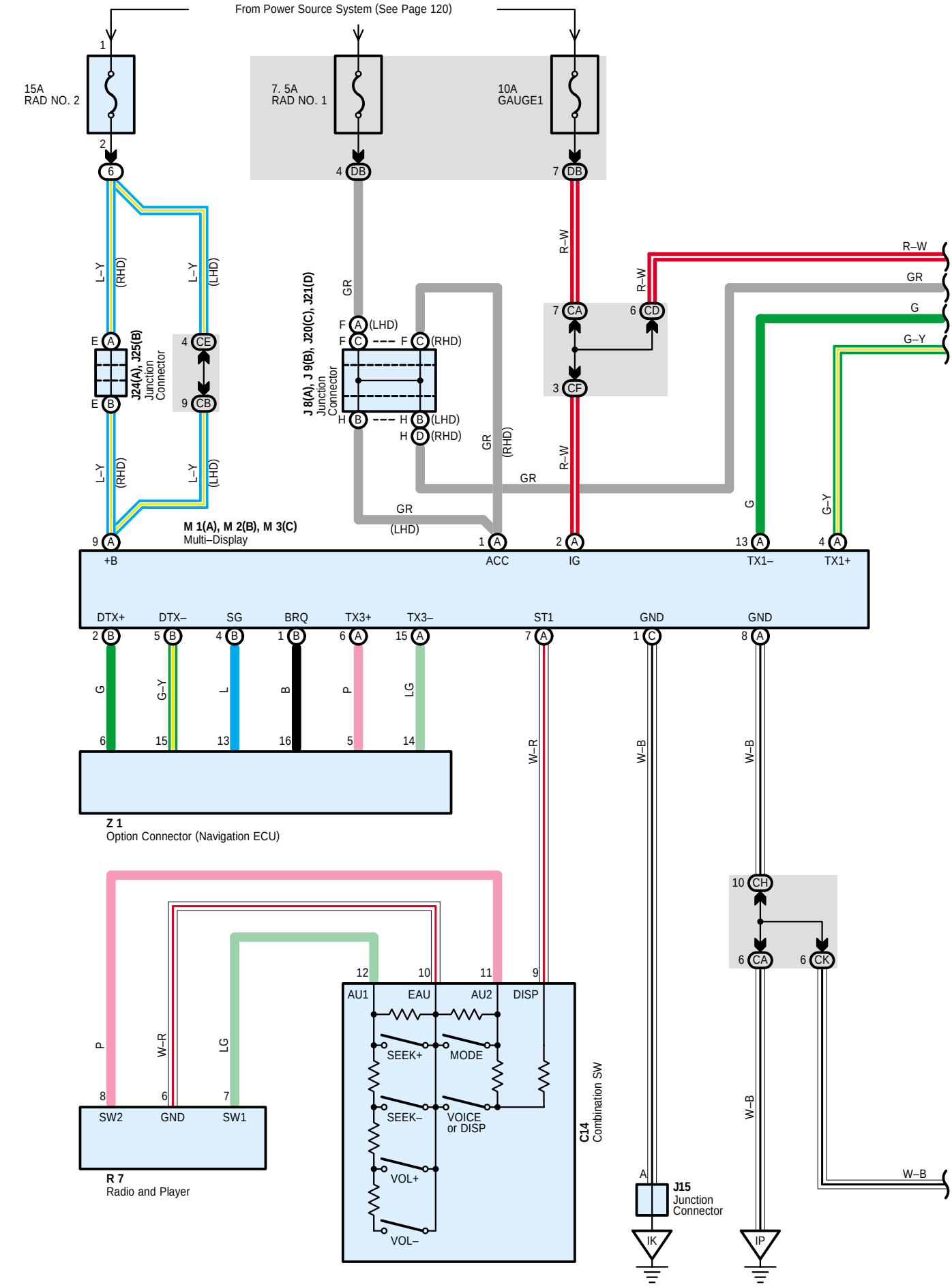



I14(A)
Integration Relay
KSW
IG
MPX2
MPX1
From Power Source System (See Page 120)
10A
GAUGE1
7. 5A DOME
J30
Junction
Connector
J22
Junction Connector
J10(A), J26(C)
Junction Connector
J10(A), J11(B)
Junction Connector
J26(C)
Junction Connector
U 1
Unlock
Warning SW
J16
Junction
Connector
A13(A), A15(B)
A/C Control Assembly
MPX–
MPX+
E 9(A), E10(B)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
MPX2
MPX1
Buzzer
BEAN
I/F
CPU
C10(A), C11(B)
Combination Meter
IP
(LHD)
(RHD)
(*10)
(*11)
(1AZ–FSE)
(*6)
(*2)
(*7)
(*8)
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : w/ Daytime Running Light
* 4 : LHD 1CD–FTV, RHD
* 5 : LHD Gasoline
* 6 : 1AZ–FE, 1ZZ–FE, 3ZZ–FE
* 7 : Except Automatic A/C
* 8 : Automatic A/C
* 9 : w/o Daytime Running Light
*10 : LHD, RHD 1AZ–FE
*11 : RHD Except 1AZ–FE
*12 : 1AZ–FSE, 1AZ–FE
*13 : 1ZZ–FE, 3ZZ–FE

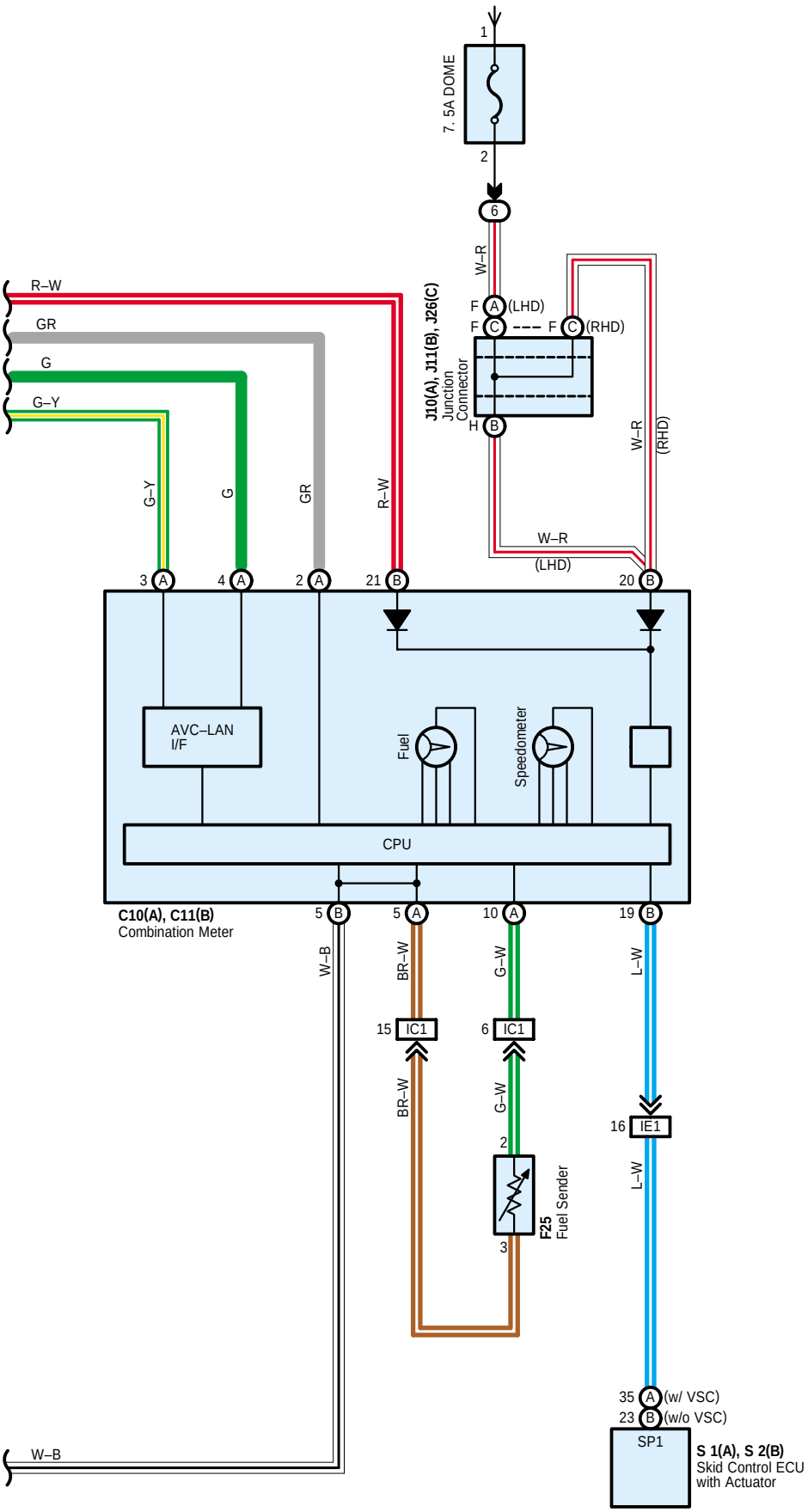
∗ 1 : 1AZ–FE, 1ZZ–FE, 3ZZ–FE
∗ 2 : 1CD–FTV
∗ 3 : Except Automatic A/C
∗ 4 : Automatic A/C
∗ 5 : w/ Theft Deterrent



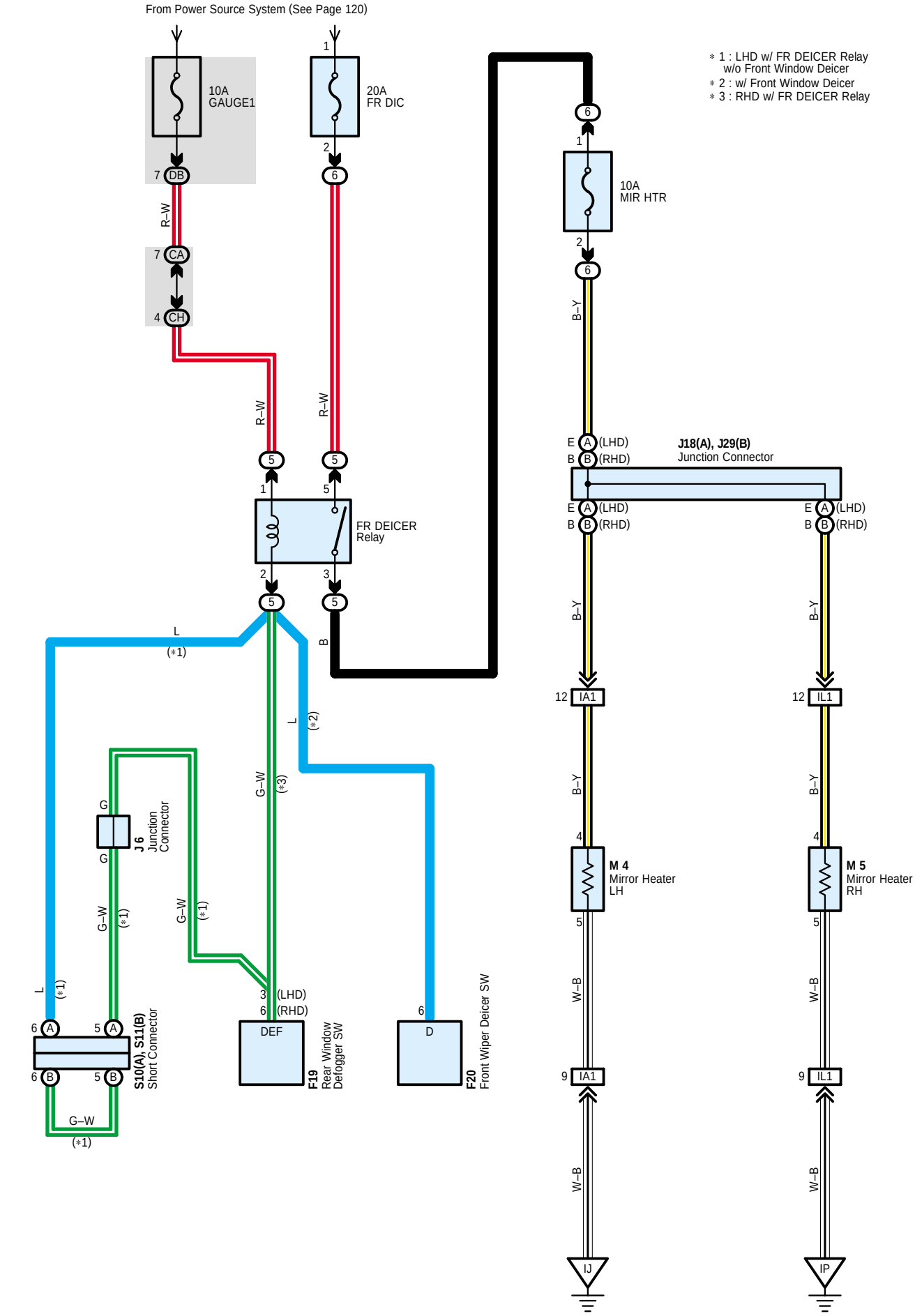
Multi–Display (w/o Navigation System Map Type)



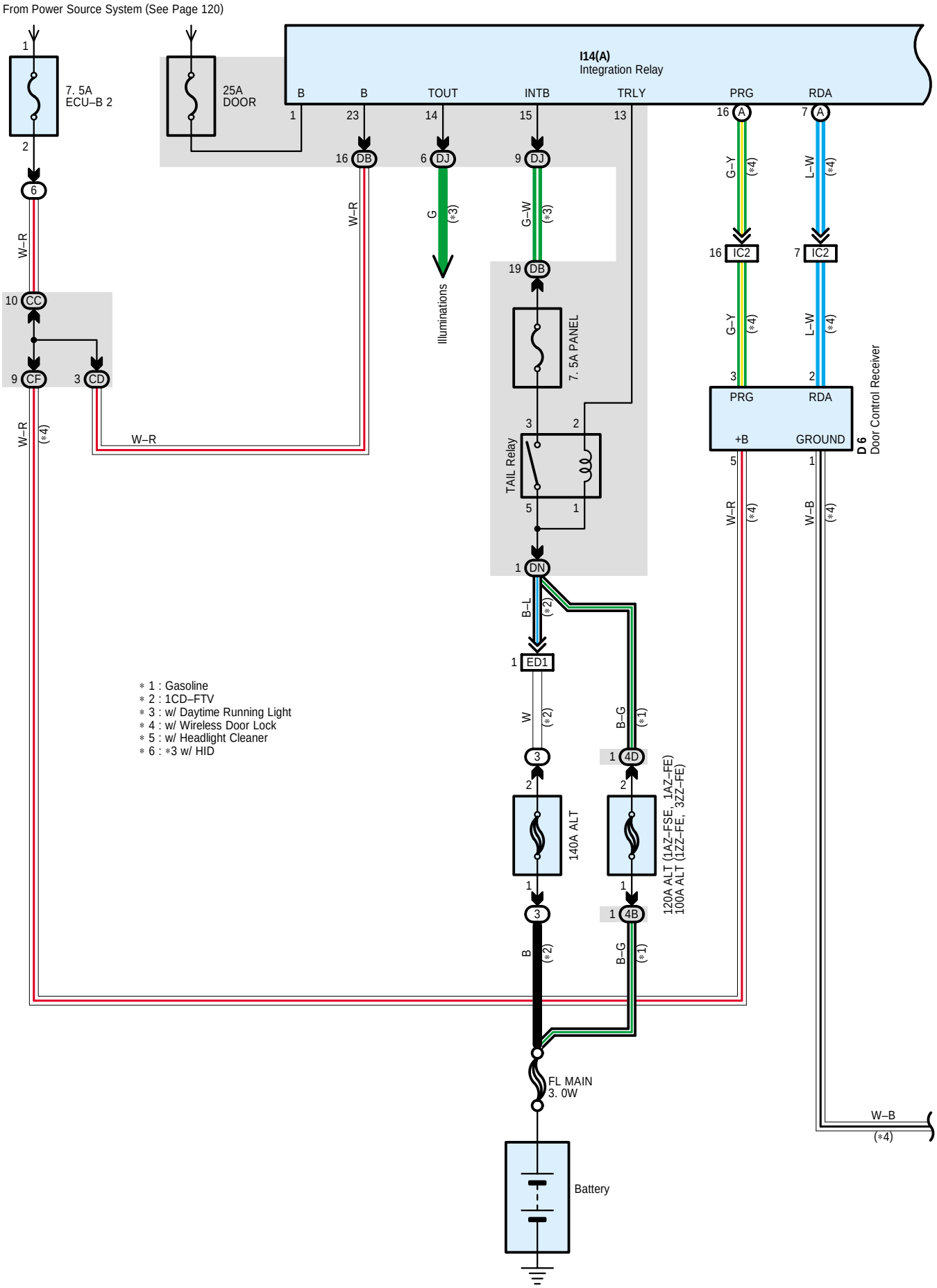
From Power Source System (See Page 120)

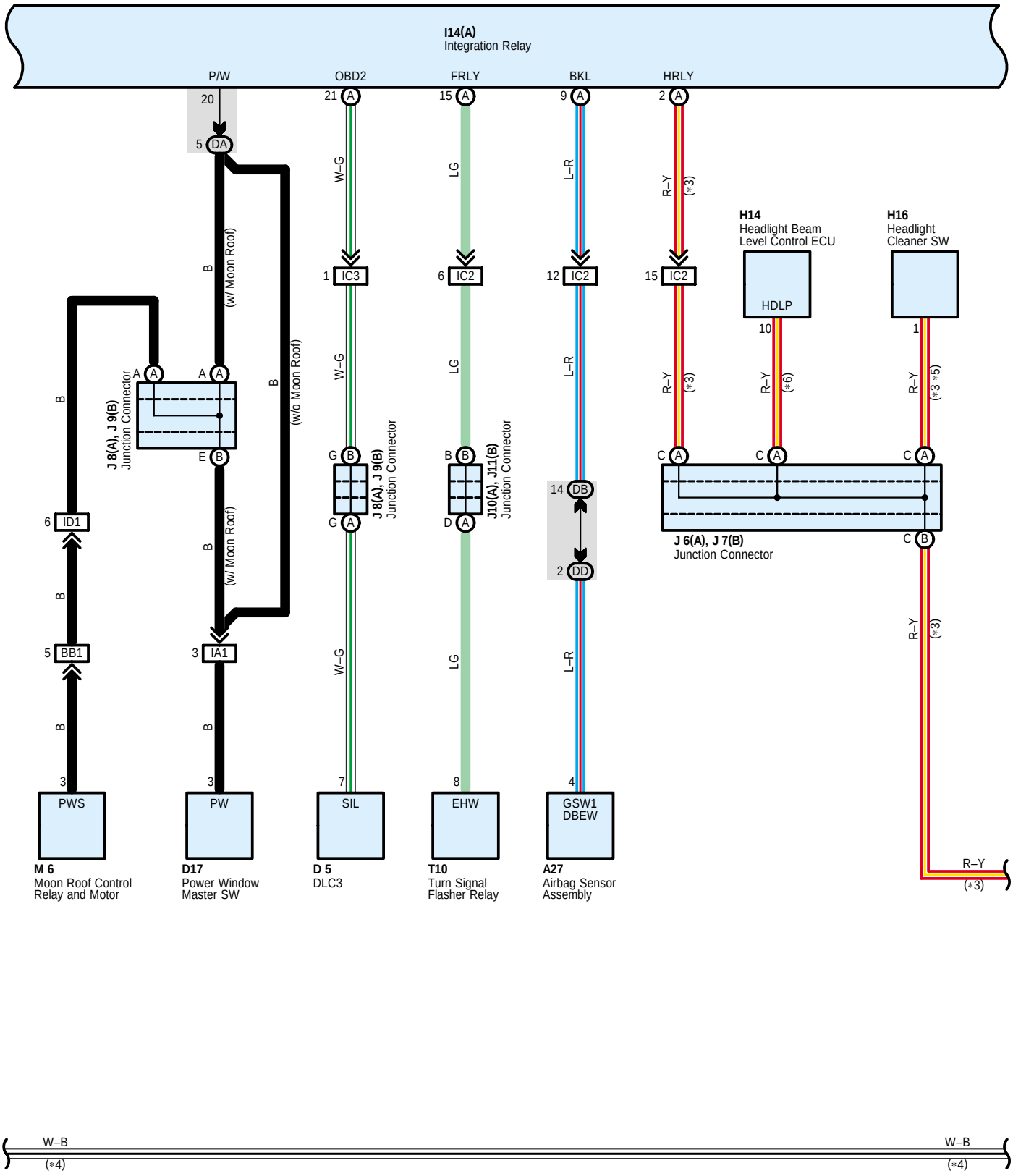


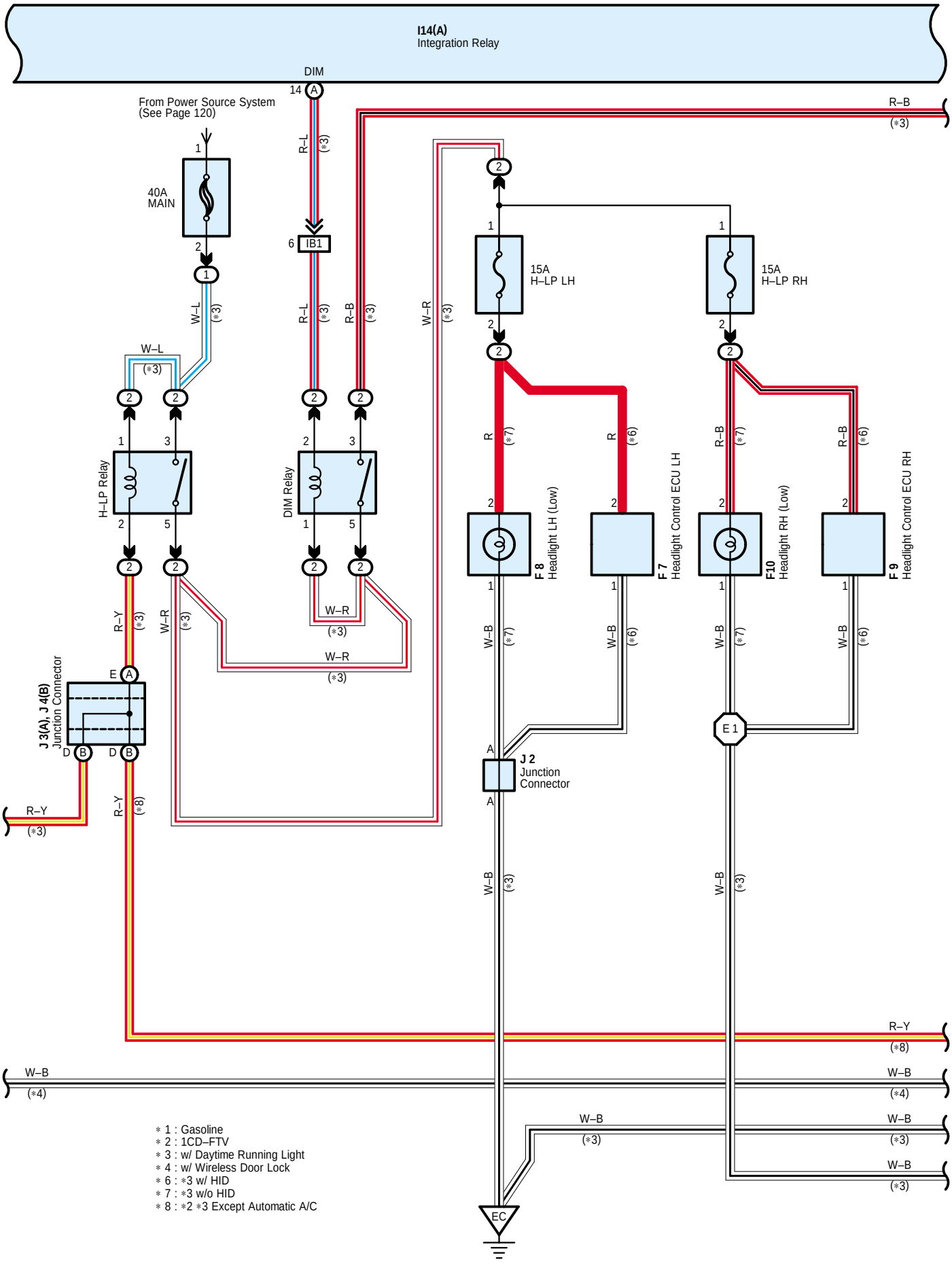
Mirror Heater

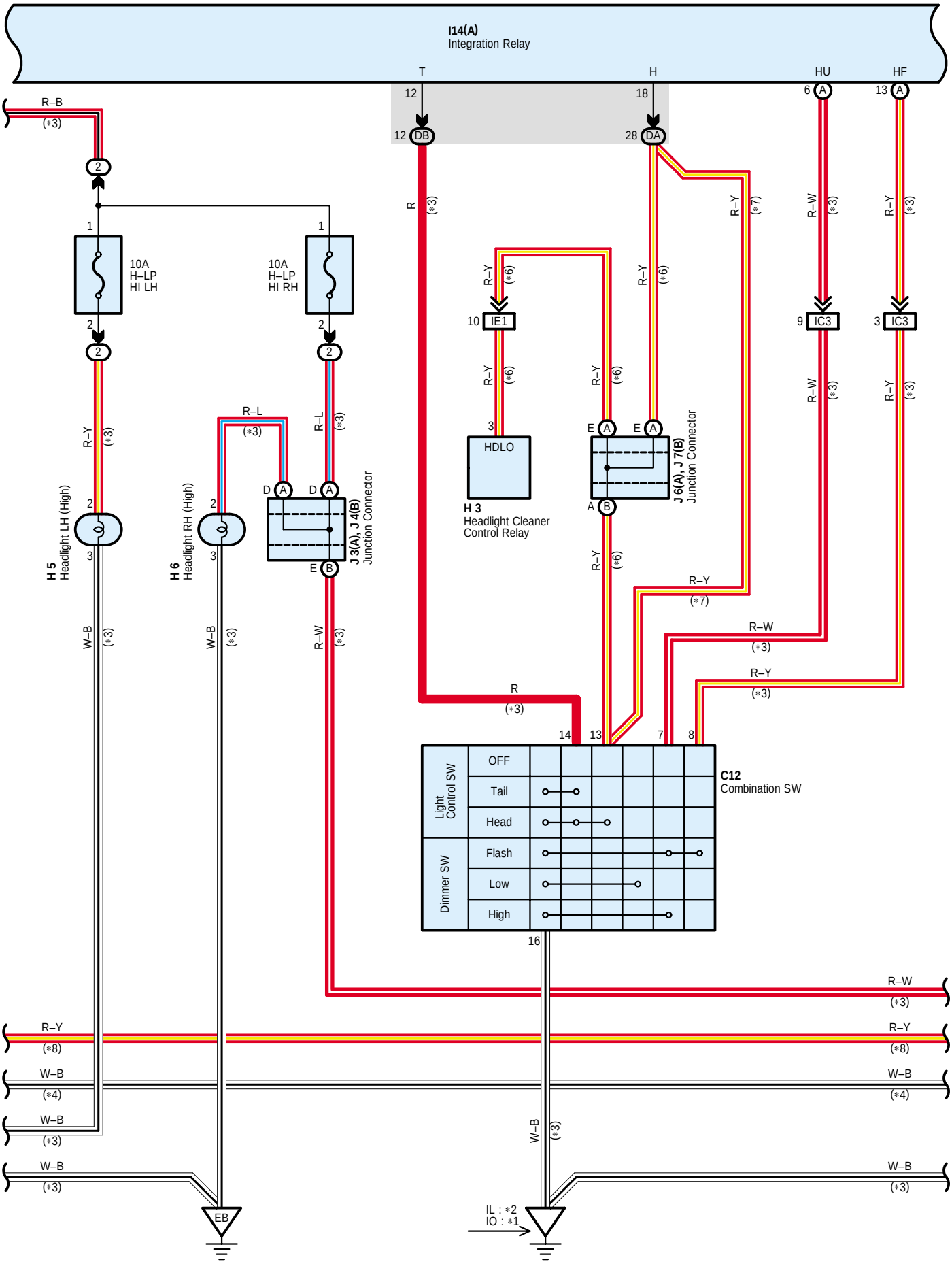


Multiplex Communication System (LHD)

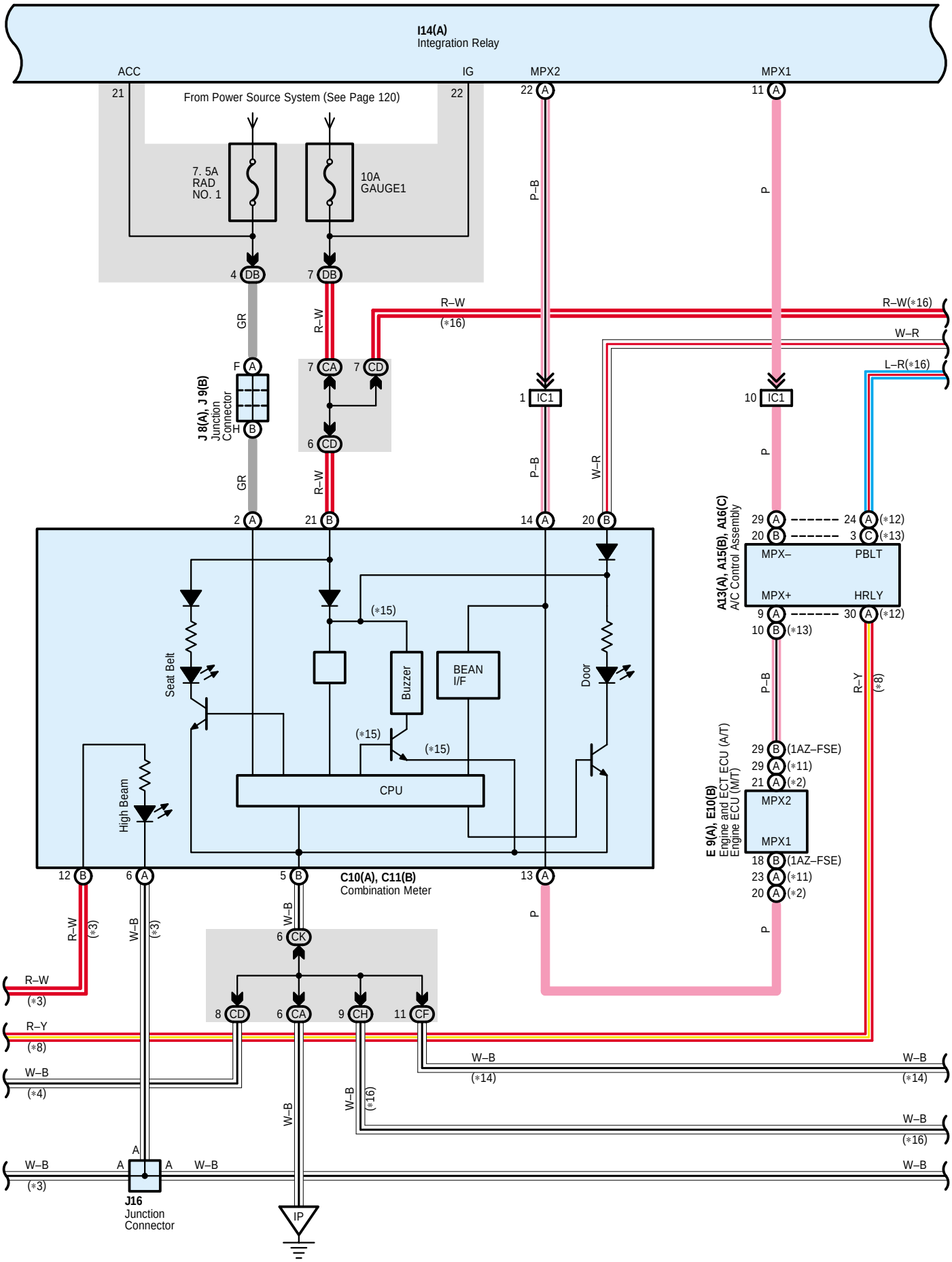


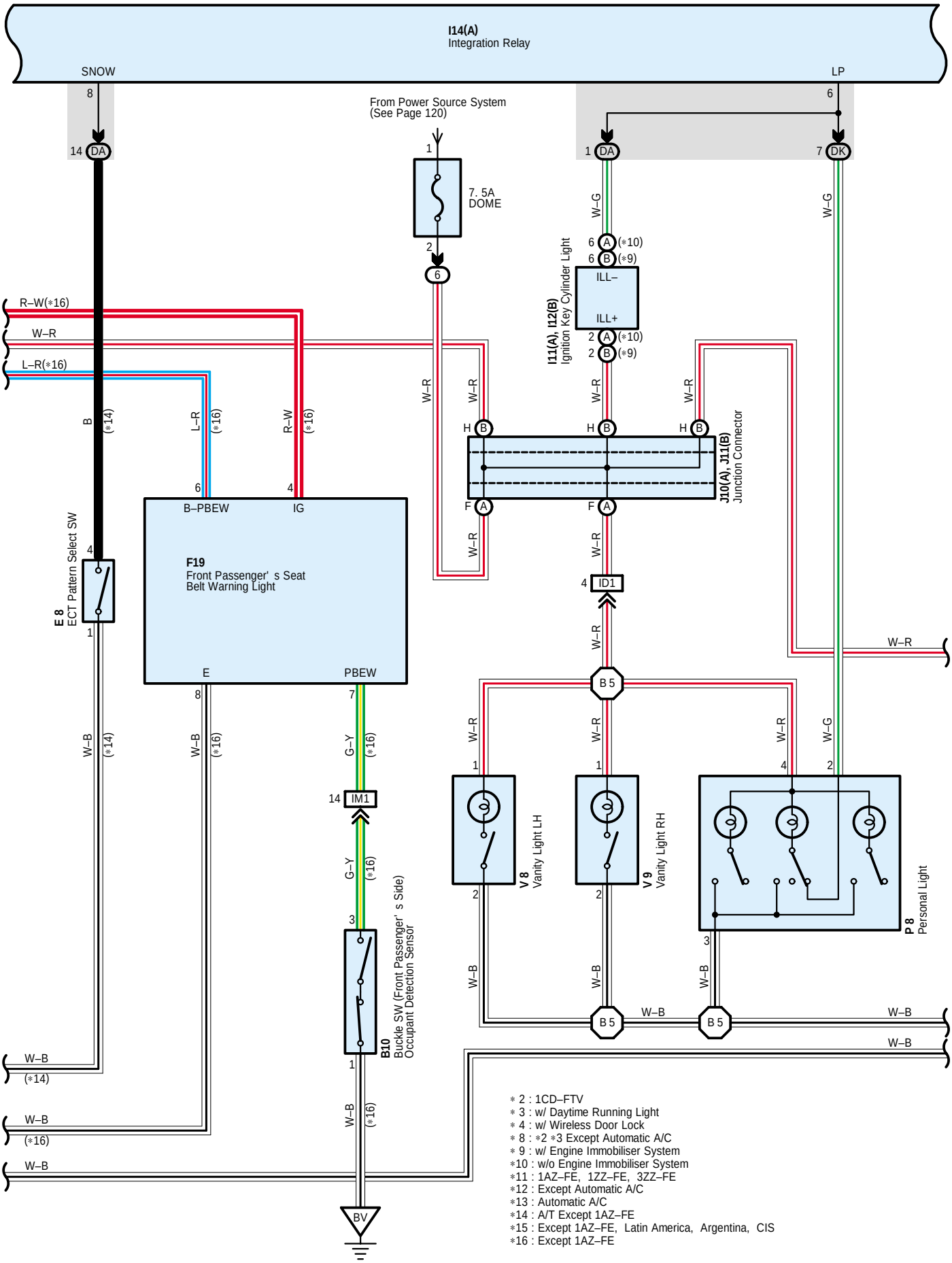

I14(A)
Integration Relay
P/W
OBD2
FRLY
BKL
HRLY
20
5 DA
21 A
15 A
9 A
2 A
W–G
LG
L–R
R–Y
(*3)
B
(w/ Moon Roof)
(w/o Moon Roof)
1 IC3
6 IC2
12 IC2
15 IC2
H14
Headlight Beam
Level Control ECU
HDLP
10
H16
Headlight
Cleaner SW
1
(*6)
(*3 *5)
J 8(A), J 9(B)
Junction Connector
A A
E B
G B
G A
B B
D A
14 DB
2 DD
C A
C B
J 6(A), J 7(B)
Junction Connector
J10(A), J11(B)
Junction Connector
6 ID1
5 BB1
3 IA1
3
7
8
4
PWS
PW
SIL
EHW
GSW1
DBEW
M 6
Moon Roof Control
Relay and Motor
D17
Power Window
Master SW
D 5
DLC3
T10
Turn Signal
Flasher Relay
A27
Airbag Sensor
Assembly
W–B
(*4)


I14(A)
Integration Relay
DIM
14 A
From Power Source System
(See Page 120)
R–B
(*3)
40A
MAIN
1
2
6 IB1
R–L
(*3)
W–L
(*3)
R–B
(*3)
W–R
(*3)
15A
H–LP LH
15A
H–LP RH
R
(*7)
R
(*6)
R–B
(*7)
R–B
(*6)
H–LP Relay
DIM Relay
F 8
Headlight LH (Low)
F 7
Headlight Control ECU LH
F10
Headlight RH (Low)
F 9
Headlight Control ECU RH
W–B
(*7)
W–B
(*6)
J 3(A), J 4(B)
Junction Connector
J 2
Junction
Connector
E 1
R–Y
(*3)
R–Y
(*8)
W–B
(*4)
W–B
(*3)
EC
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : w/ Daytime Running Light
* 4 : w/ Wireless Door Lock
* 6 : *3 w/ HID
* 7 : *3 w/o HID
* 8 : *2 *3 Except Automatic A/C

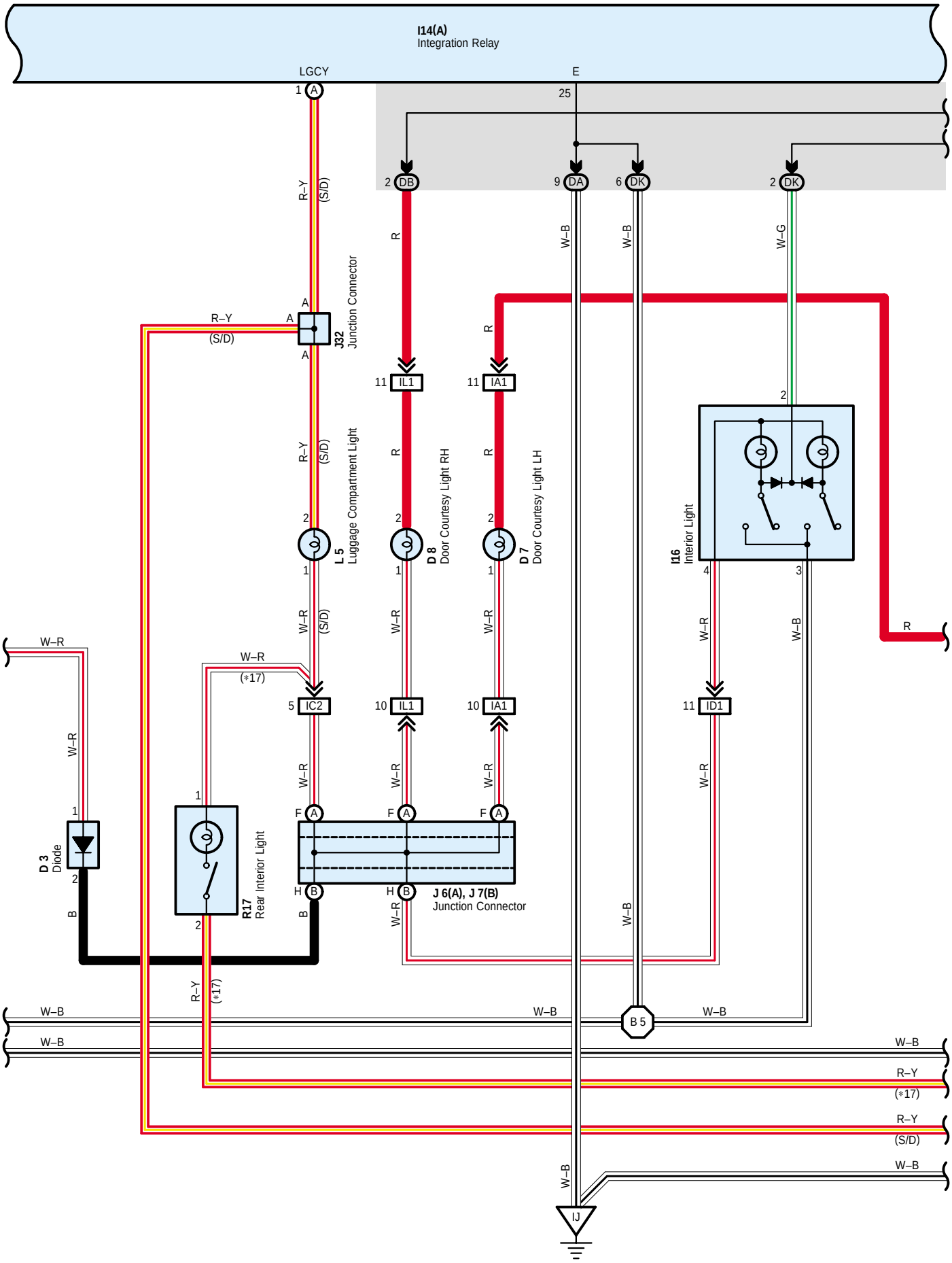

I14(A)
Integration Relay
T
H
HU
HF
12
18
6
13
12 DB
28 DA
R–B
(*3)
10A
H–LP
HI LH
10A
H–LP
HI RH
R–Y
R–L
R–W
R
(*6)
(*7)
(*3)
10 IE1
9 IC3
3 IC3
HDLO
H 3
Headlight Cleaner
Control Relay
J 6(A), J 7(B)
Junction Connector
J 3(A), J 4(B)
Junction Connector
H 5
Headlight LH (High)
H 6
Headlight RH (High)
W–B
C12
Combination SW
Light Control SW
Dimmer SW
OFF
Tail
Head
Flash
Low
High
14
13
7
8
16
(*8)
(*4)
EB
IL : *2
IO : *1

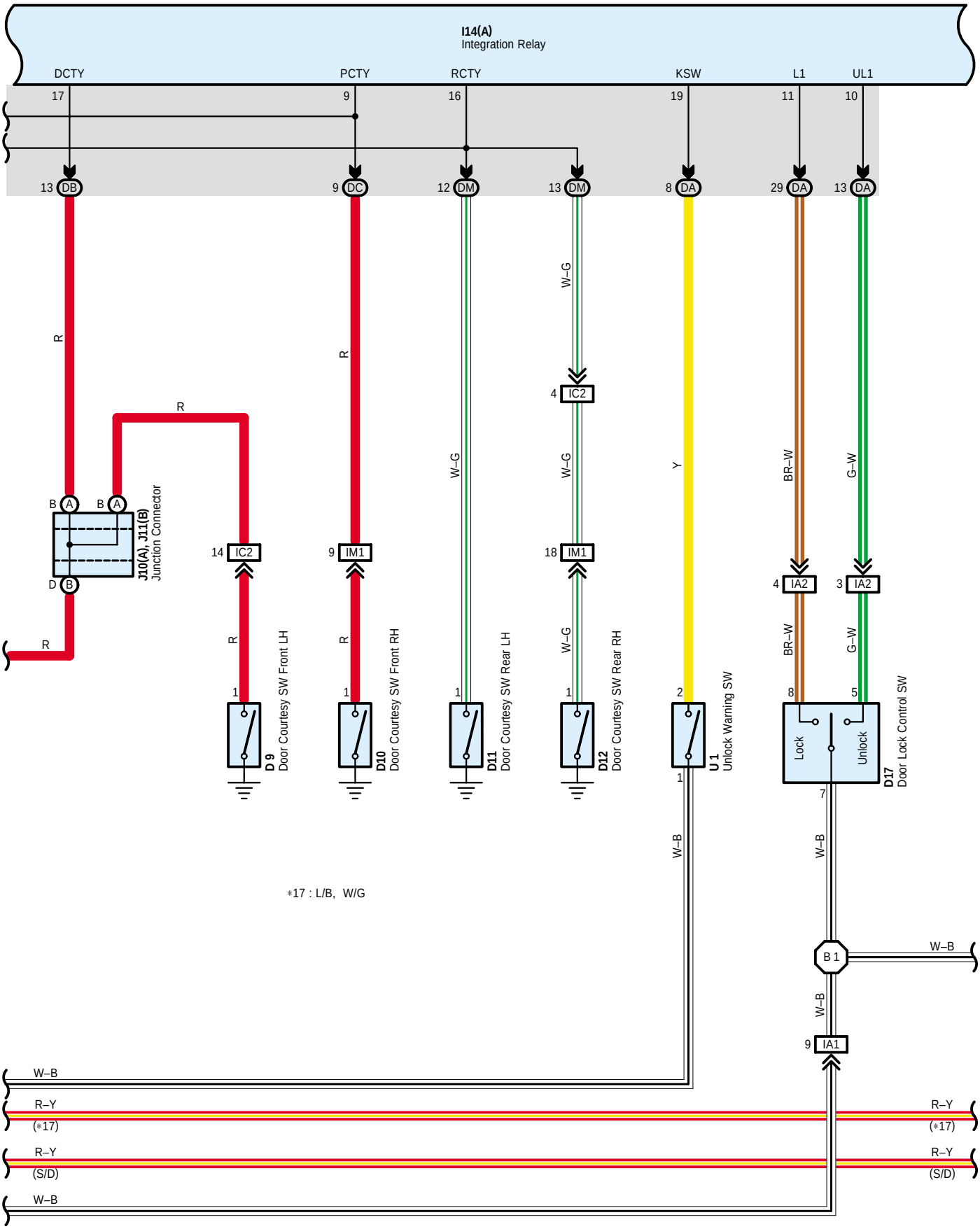
Multiplex Communication System (LHD)



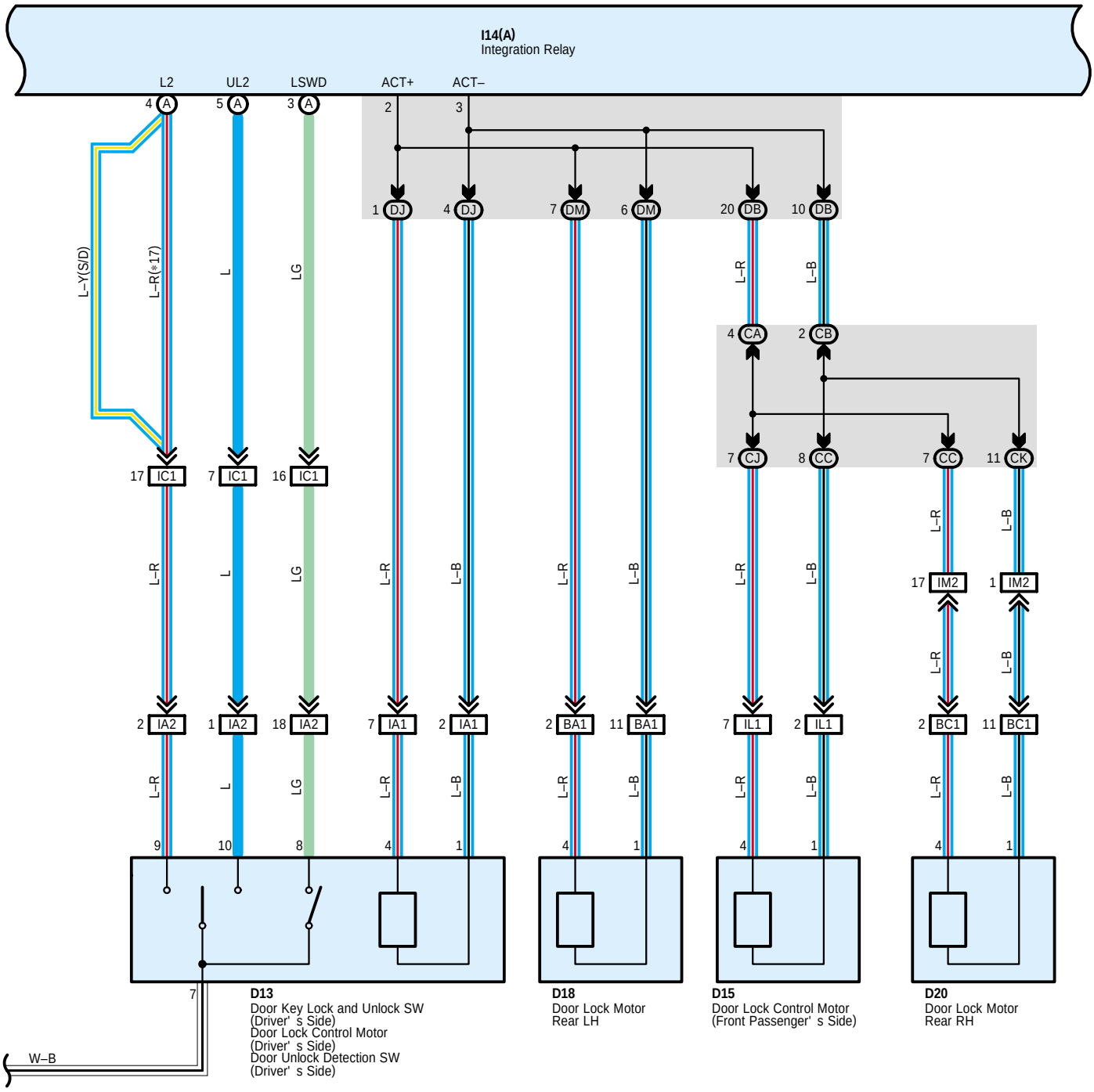

I14(A)
Integration Relay
SNOW
LP
From Power Source System
(See Page 120)
7. 5A
DOME
I11(A), I12(B)
Ignition Key Cylinder Light
ILL–
ILL+
J10(A), J11(B)
Junction Connector
F19
Front Passenger' s Seat
Belt Warning Light
B–PBEW
IG
E
PBEW
E 8
ECT Pattern Select SW
B10
Buckle SW (Front Passenger' s Side)
Occupant Detection Sensor
V 8
Vanity Light LH
V 9
Vanity Light RH
P 8
Personal Light
ID1
IM1
B 5
BV
R–W(∗16)
W–R
L–R(∗16)
W–B
G–Y
∗ 2 : 1CD–FTV
∗ 3 : w/ Daytime Running Light
∗ 4 : w/ Wireless Door Lock
∗ 8 : ∗2 ∗3 Except Automatic A/C
∗ 9 : w/ Engine Immobiliser System
∗10 : w/o Engine Immobiliser System
∗11 : 1AZ–FE, 1ZZ–FE, 3ZZ–FE
∗12 : Except Automatic A/C
∗13 : Automatic A/C
∗14 : A/T Except 1AZ–FE
∗15 : Except 1AZ–FE, Latin America, Argentina, CIS
∗16 : Except 1AZ–FE

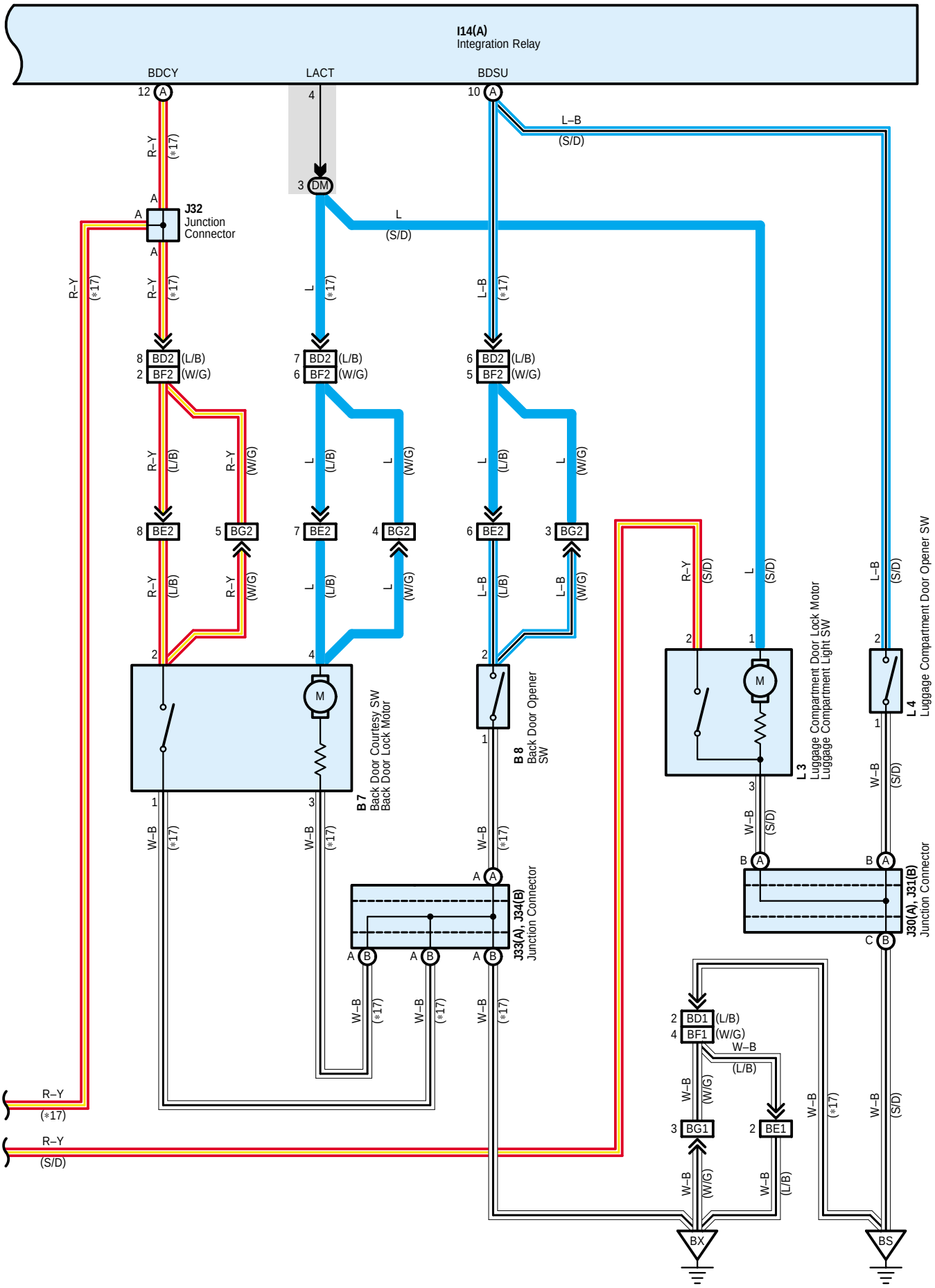
Multiplex Communication System (LHD)



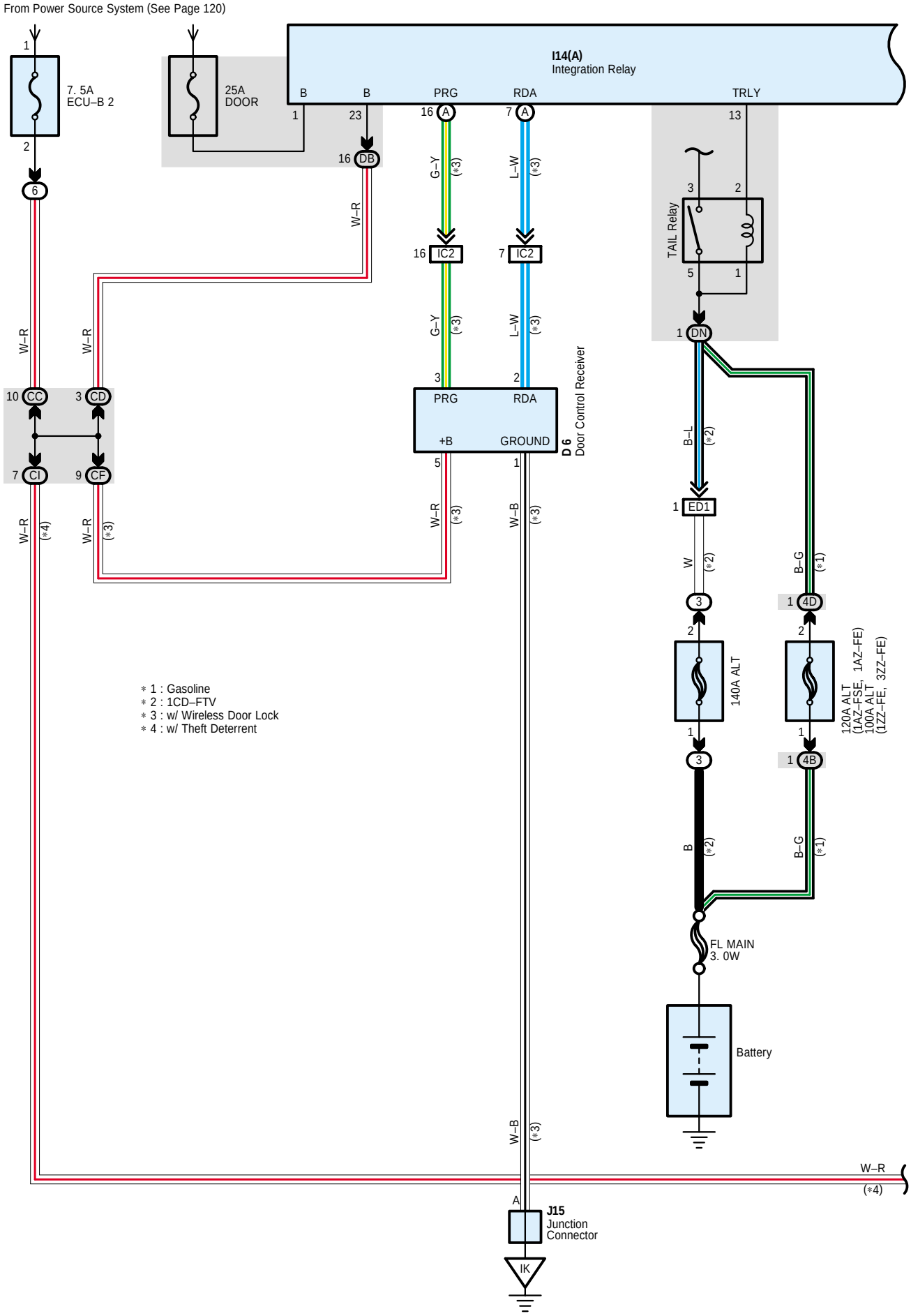

I14(A)
Integration Relay
DCTY
PCTY
RCTY
KSW
L1
UL1
17
9
16
19
11
10
13 DB
9 DC
12 DM
13 DM
8 DA
29 DA
13 DA
R
W–G
Y
BR–W
G–W
4 IC2
18 IM1
4 IA2
3 IA2
B A
B A
D B
J10(A), J11(B)
Junction Connector
14 IC2
9 IM1
1
2
8
5
7
D 9
Door Courtesy SW Front LH
D10
Door Courtesy SW Front RH
D11
Door Courtesy SW Rear LH
D12
Door Courtesy SW Rear RH
U 1
Unlock Warning SW
D17
Door Lock Control SW
Lock
Unlock
W–B
B 1
9 IA1
∗17 : L/B, W/G
R–Y
(∗17)
R–Y
(S/D)

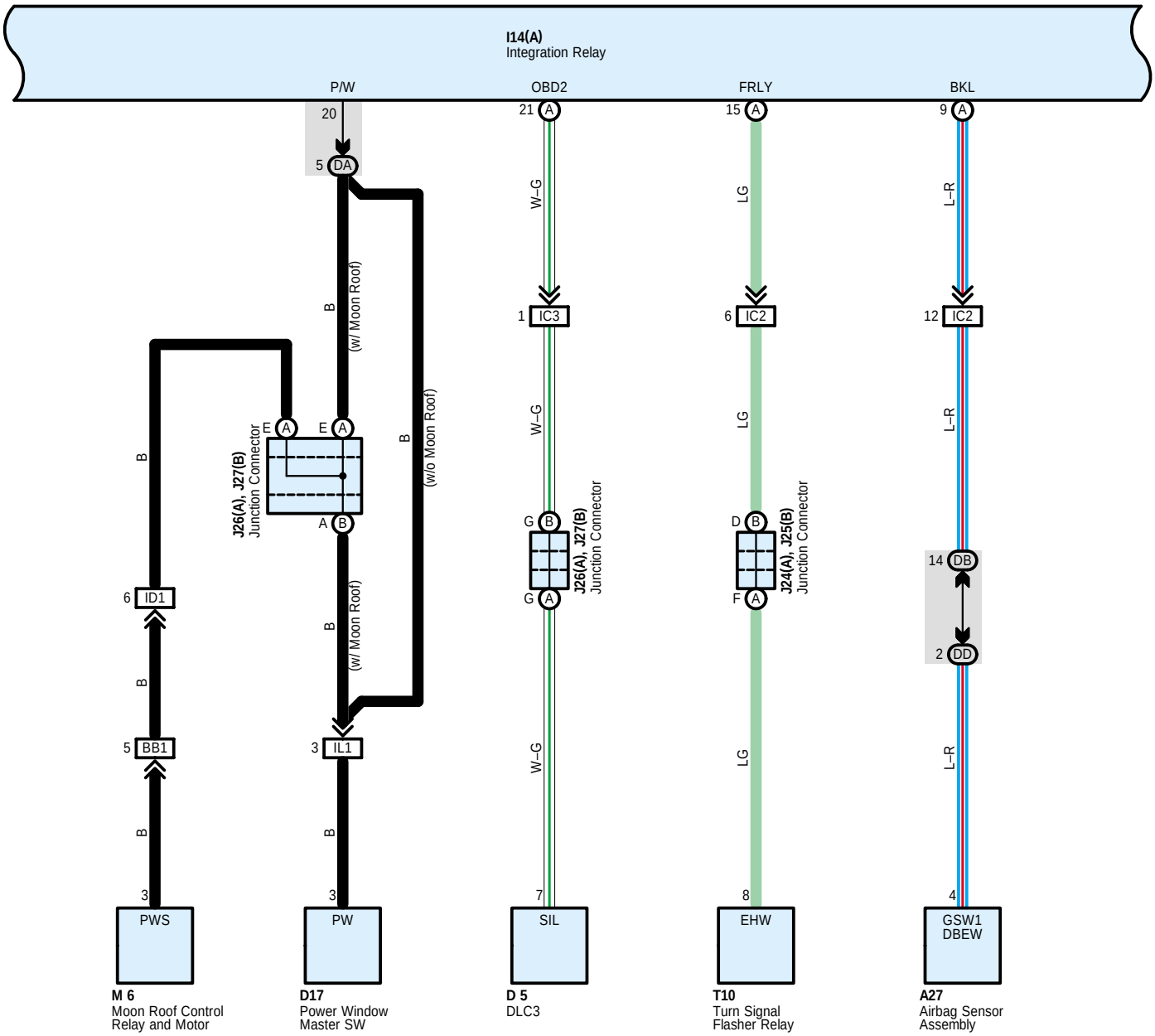
Multiplex Communication System (LHD)




I14(A)
Integration Relay
BDCY
LACT
BDSU
J32
Junction Connector
B7
Back Door Courtesy SW
Back Door Lock Motor
B8
Back Door Opener SW
L3
Luggage Compartment Door Lock Motor
Luggage Compartment Light SW
L4
Luggage Compartment Door Opener SW
J33(A), J34(B)
Junction Connector
J30(A), J31(B)
Junction Connector
BD2
BF2
BE2
BG2
BD1
BF1
BE1
BG1
BX
BS
R–Y
L–B
L
W–B
(L/B)
(W/G)
(S/D)
(*17)

Multiplex Communication System (RHD)

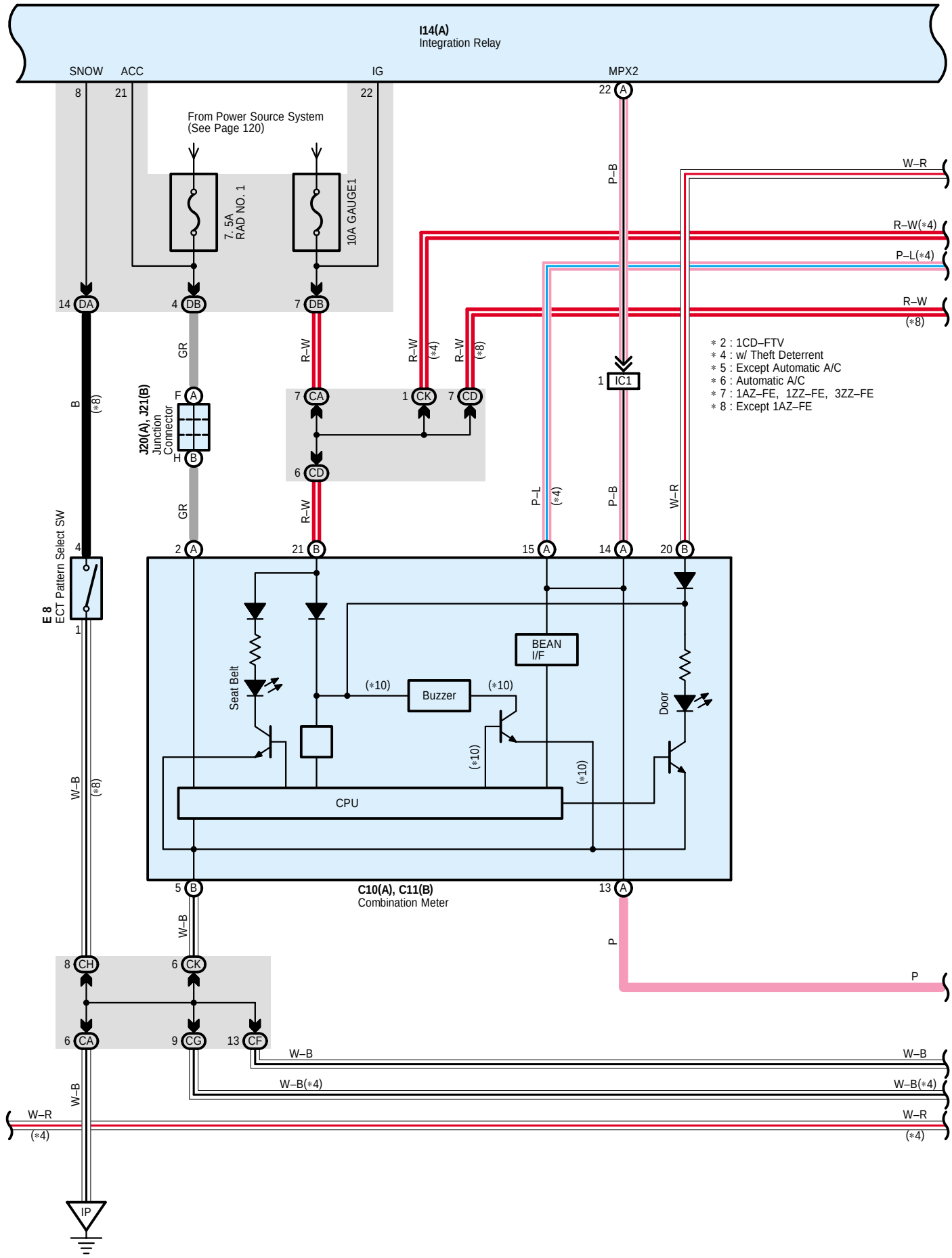


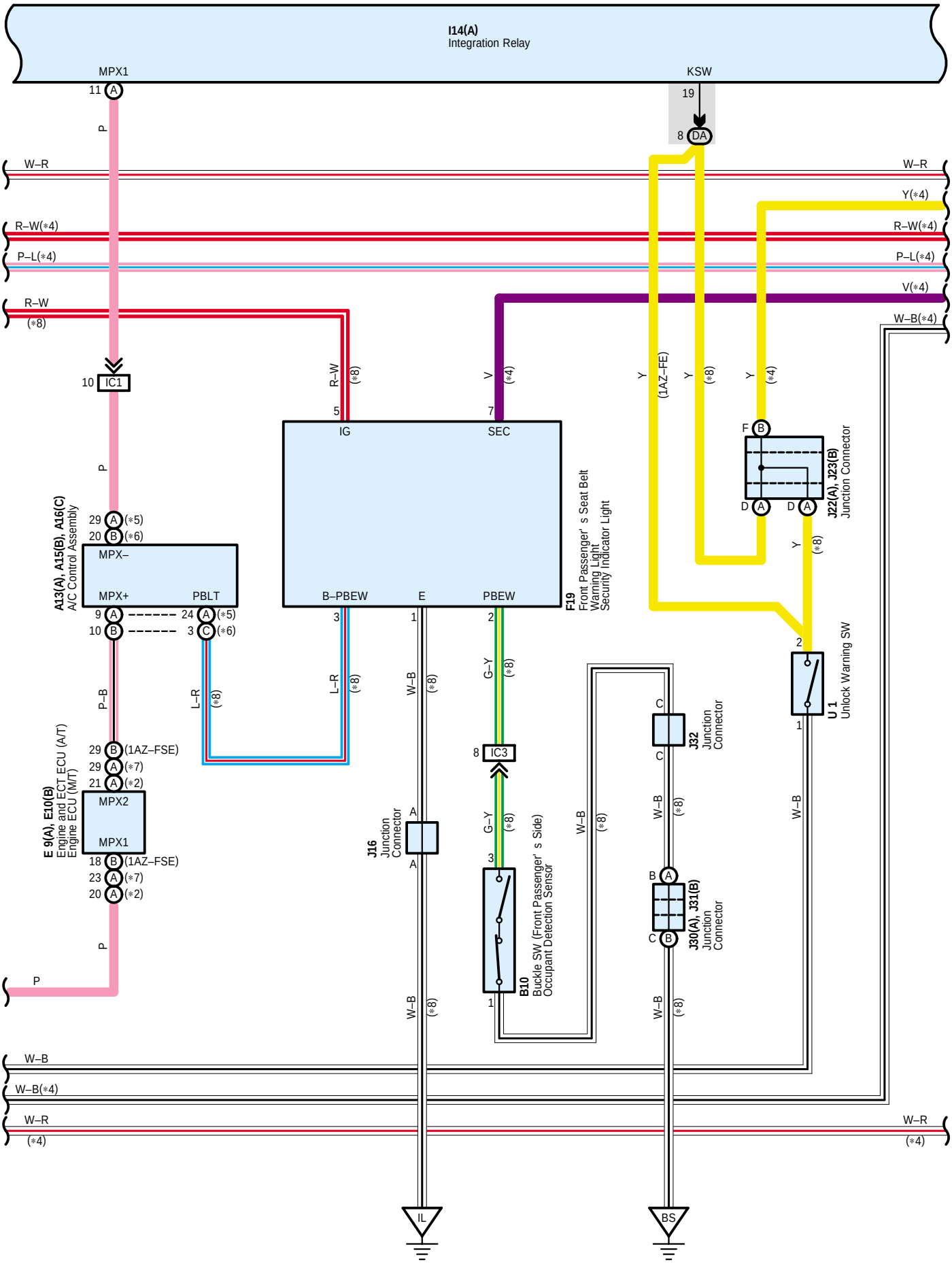

I14(A)
Integration Relay
P/W
OBD2
FRLY
BKL
20
5 DA
21 A
15 A
9 A
B
(w/ Moon Roof)
W–G
LG
L–R
1 IC3
6 IC2
12 IC2
E A
E A
J26(A), J27(B)
Junction Connector
A B
G B
G A
J26(A), J27(B)
Junction Connector
D B
F A
J24(A), J25(B)
Junction Connector
14 DB
2 DD
B
(w/o Moon Roof)
6 ID1
5 BB1
3 IL1
3
7
8
4
PWS
PW
SIL
EHW
GSW1
DBEW
M 6
Moon Roof Control
Relay and Motor
D17
Power Window
Master SW
D 5
DLC3
T10
Turn Signal
Flasher Relay
A27
Airbag Sensor
Assembly

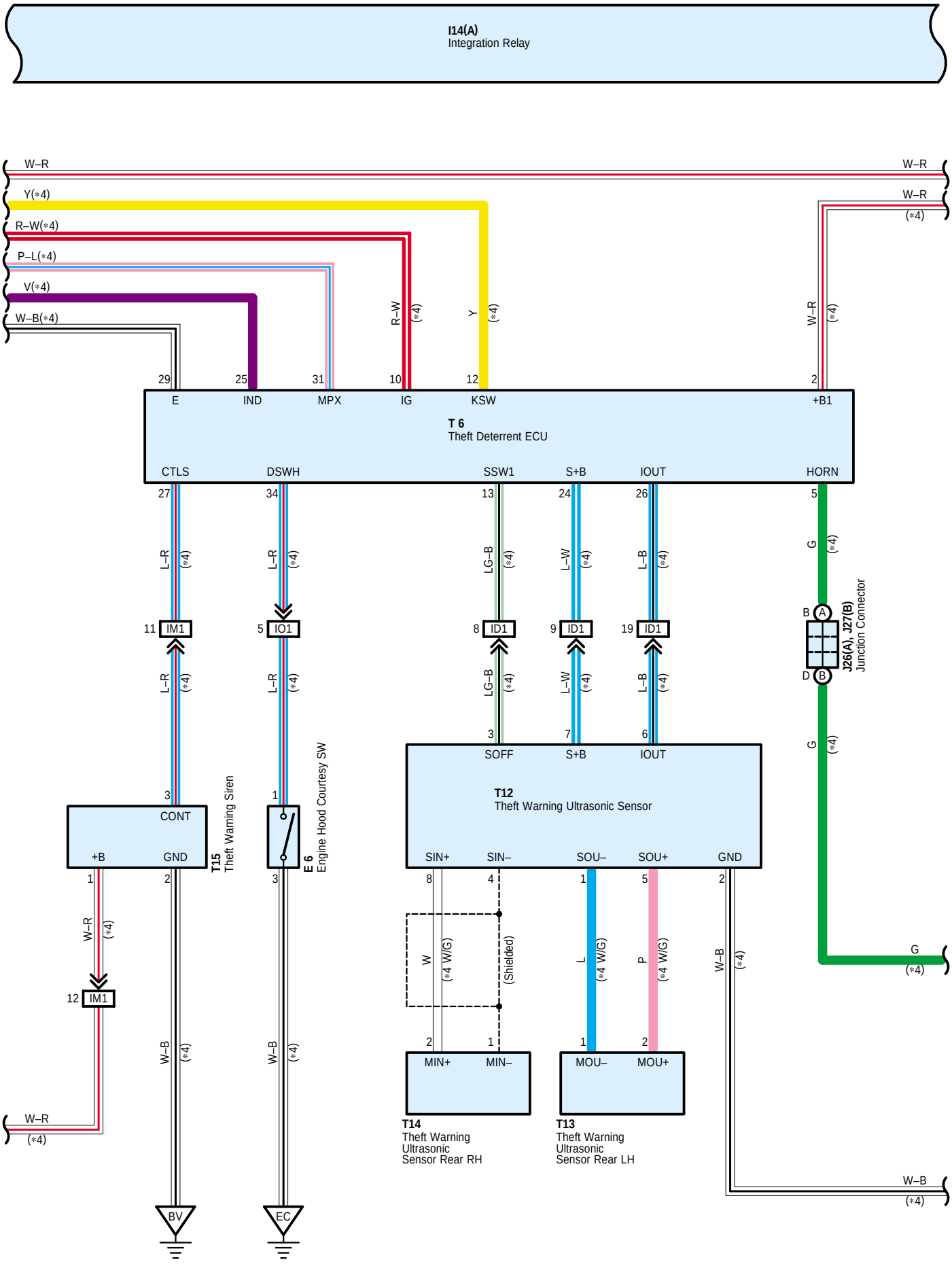
W–R (*4)

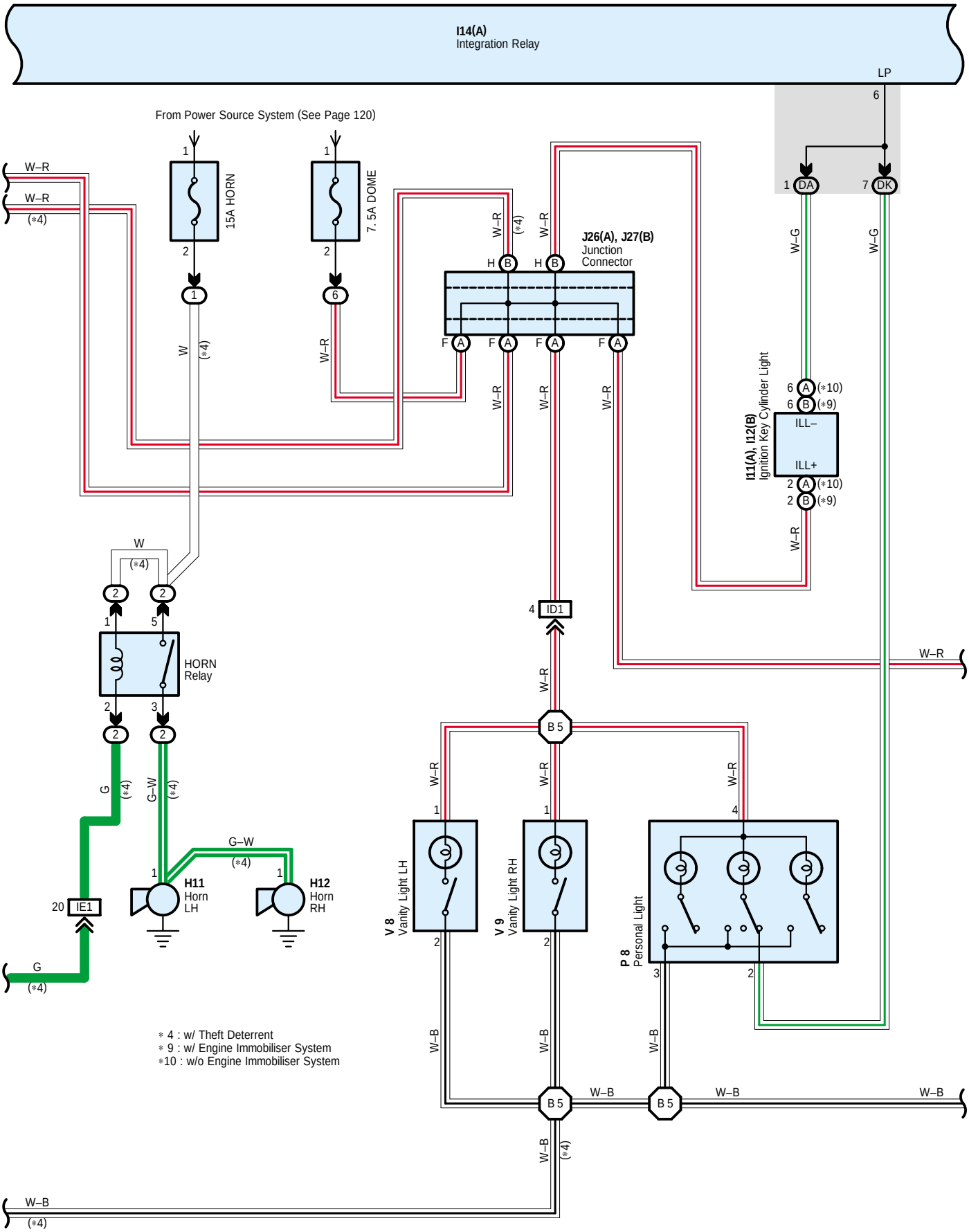
W–R (*4)

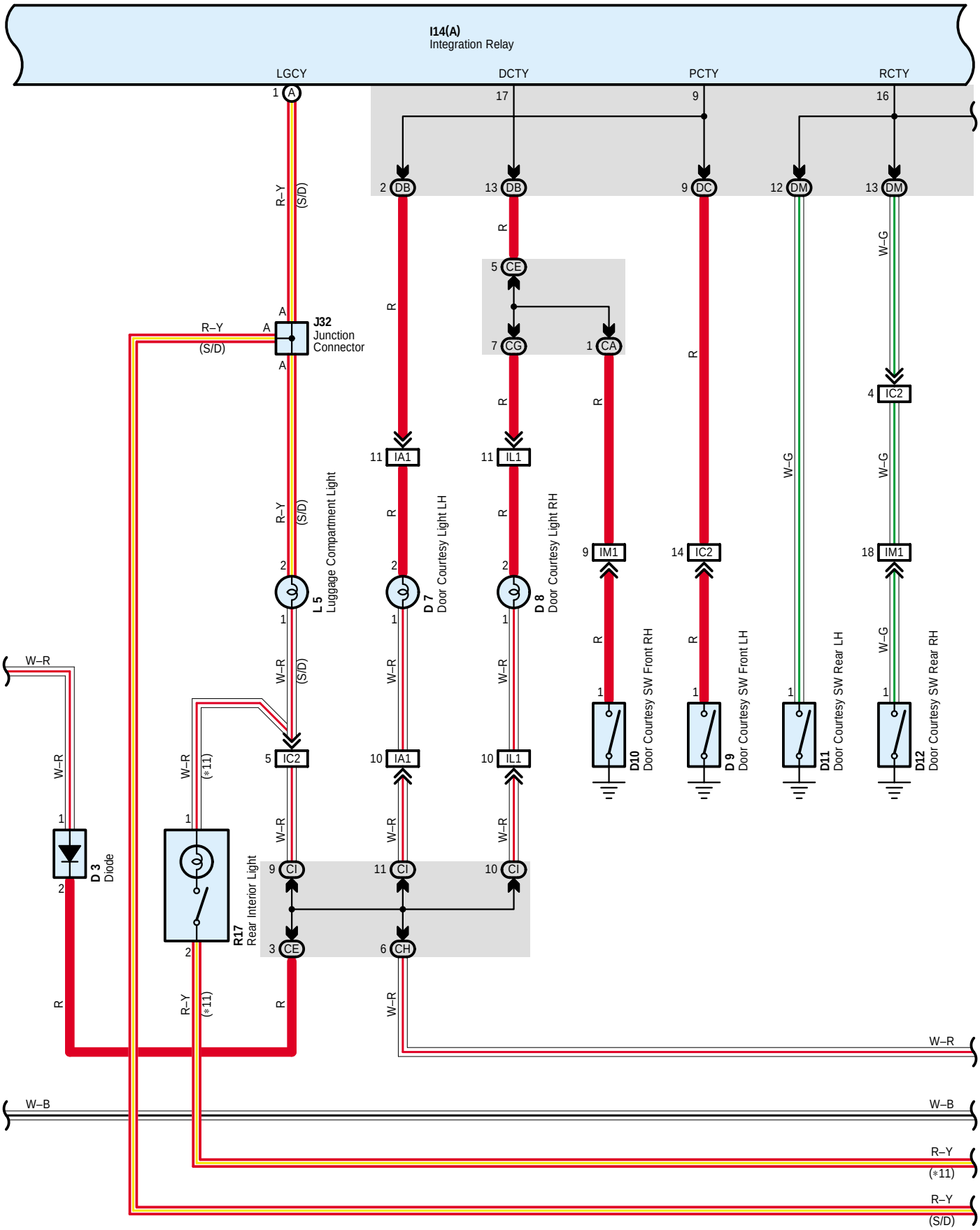
Multiplex Communication System (RHD)

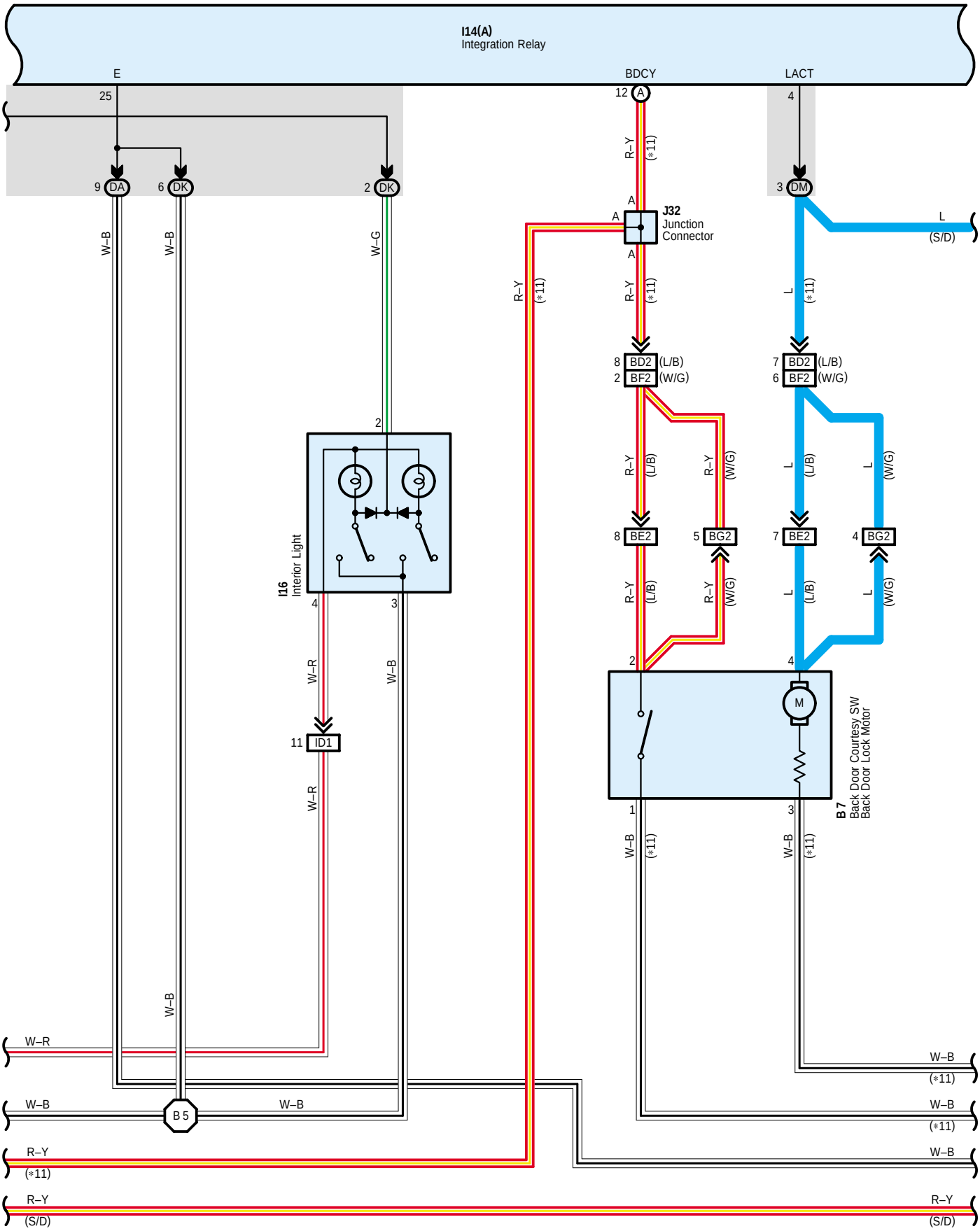


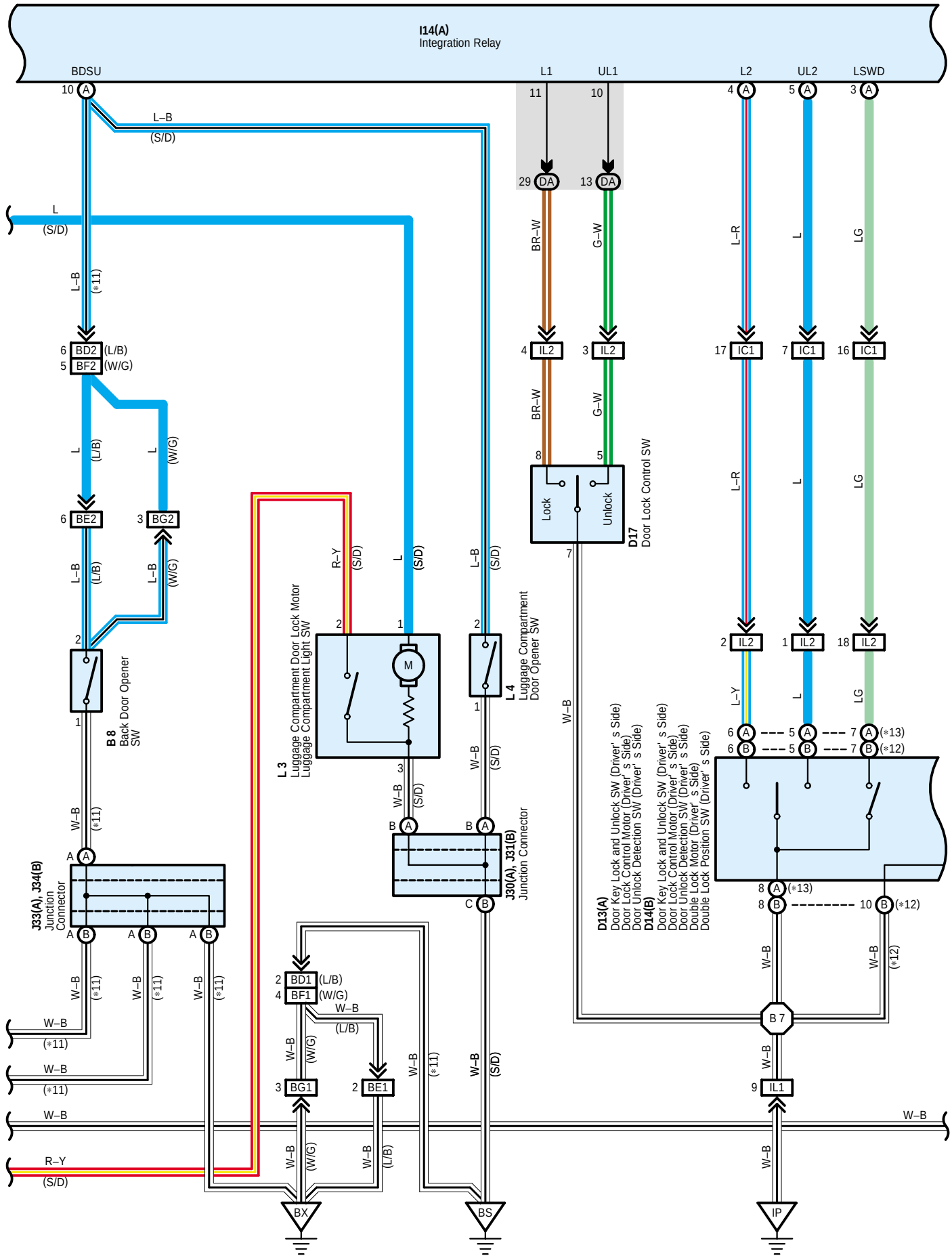

I14(A)
Integration Relay
MPX1
KSW
11 A
19
8 DA
P
W–R
Y(*4)
R–W(*4)
P–L(*4)
V(*4)
R–W
(*8)
W–B(*4)
10 IC1
R–W
(*8)
5
IG
V
(*4)
7
SEC
Y
(1AZ–FE)
Y
(*8)
Y
(*4)
F B
D A
D A
J22(A), J23(B)
Junction Connector
A13(A), A15(B), A16(C)
A/C Control Assembly
29 A (*5)
20 B (*6)
MPX–
MPX+
PBLT
9 A
10 B
24 A (*5)
3 C (*6)
B–PBEW
E
PBEW
F19
Front Passenger' s Seat Belt
Warning Light
Security Indicator Light
3
1
2
Y
(*8)
2
U 1
Unlock Warning SW
1
P–B
L–R
(*8)
L–R
(*8)
W–B
(*8)
G–Y
(*8)
C
J32
Junction
Connector
C
W–B
(*8)
29 B (1AZ–FSE)
29 A (*7)
21 A (*2)
MPX2
MPX1
E 9(A), E10(B)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
8 IC3
J16
Junction
Connector
A
A
G–Y
(*8)
W–B
(*8)
W–B
(*8)
18 B (1AZ–FSE)
23 A (*7)
20 A (*2)
3
B A
C B
J30(A), J31(B)
Junction
Connector
P
P
B10
Buckle SW (Front Passenger' s Side)
Occupant Detection Sensor
1
W–B
W–B(*4)
W–R
(*4)
W–R
(*4)
IL
BS

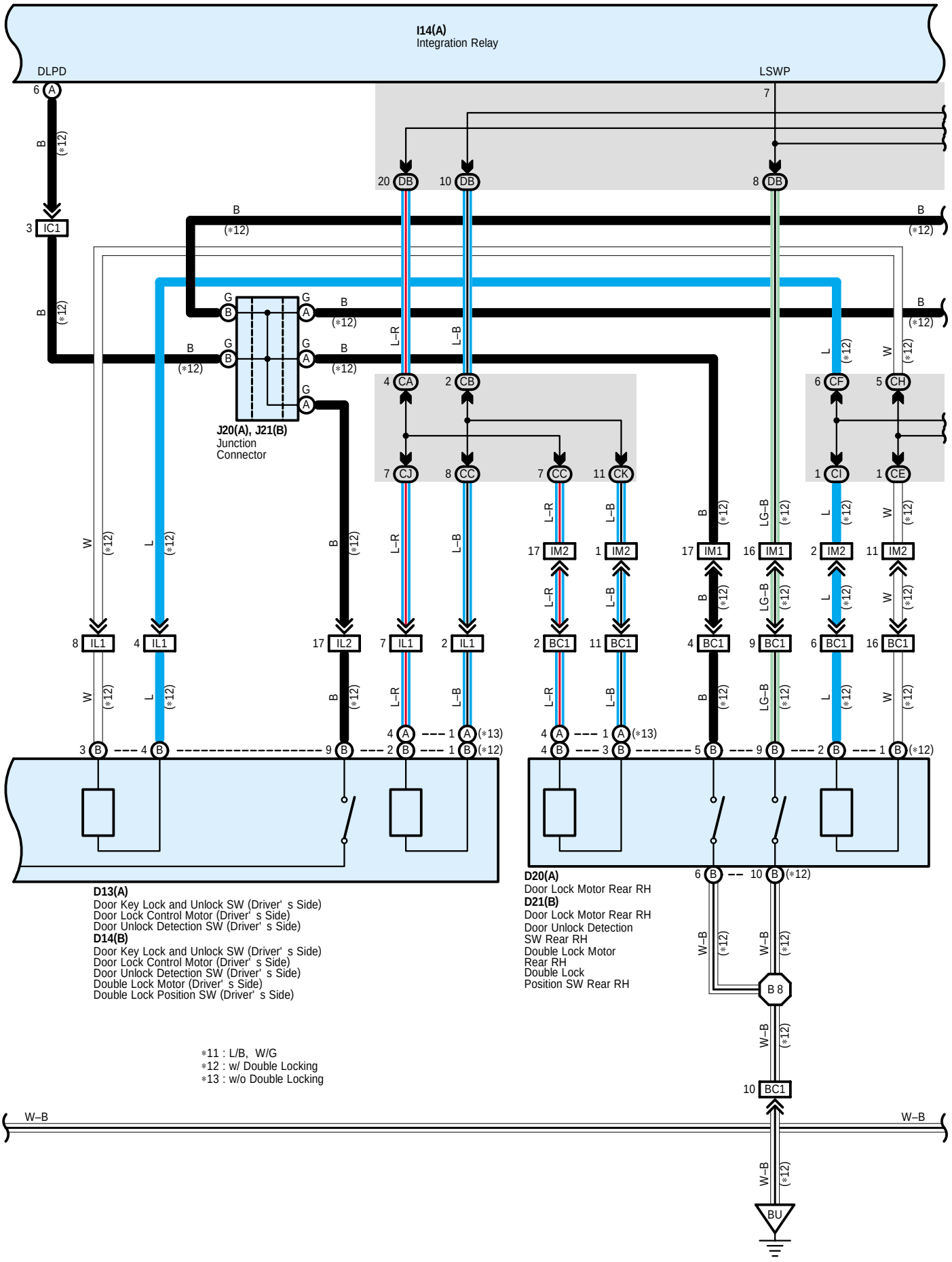

I14(A)
Integration Relay
W–R
Y(∗4)
R–W(∗4)
P–L(∗4)
V(∗4)
W–B(∗4)
R–W (∗4)
Y (∗4)
W–R (∗4)
W–R
W–R (∗4)
29 E
25 IND
31 MPX
10 IG
12 KSW
2 +B1
T 6
Theft Deterrent ECU
CTLS
DSWH
SSW1
S+B
IOUT
HORN
27
34
13
24
26
5
L–R (∗4)
LG–B (∗4)
L–W (∗4)
L–B (∗4)
G (∗4)
11 IM1
5 IO1
8 ID1
9 ID1
19 ID1
B A
D B
J26(A), J27(B)
Junction Connector
3
1
3
7
6
SOFF
S+B
IOUT
T12
Theft Warning Ultrasonic Sensor
CONT
+B
GND
T15
Theft Warning Siren
E 6
Engine Hood Courtesy SW
SIN+
SIN–
SOU–
SOU+
GND
8
4
1
5
2
W (∗4 W/G) (Shielded)
L (∗4 W/G)
P (∗4 W/G)
W–B (∗4)
G (∗4)
12 IM1
W–R (∗4)
W–B (∗4)
W–B (∗4)
2
1
1
2
MIN+
MIN–
MOU–
MOU+
T14
Theft Warning Ultrasonic Sensor Rear RH
T13
Theft Warning Ultrasonic Sensor Rear LH
W–R (∗4)
BV
EC
W–B (∗4)

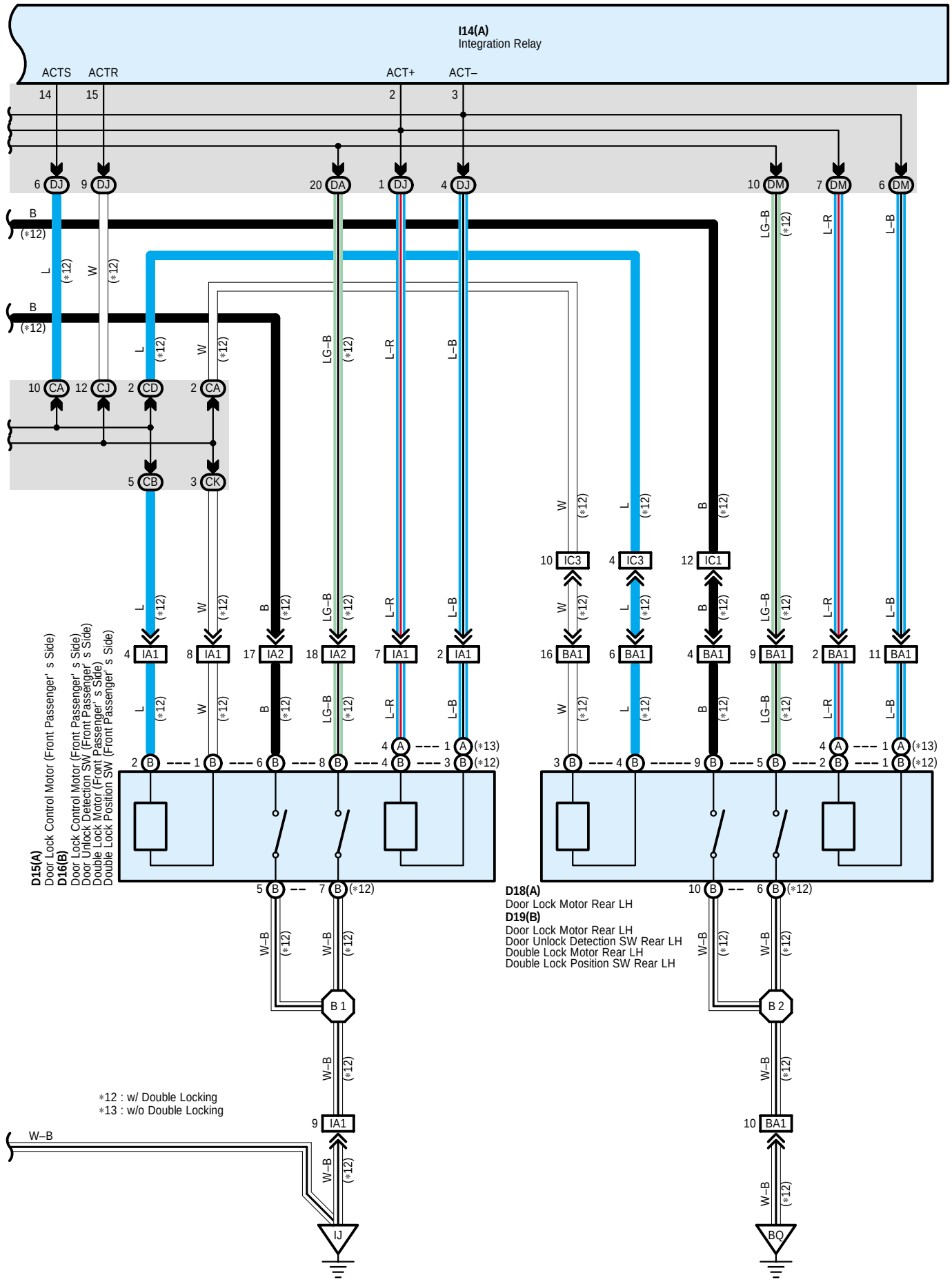

I14(A)
Integration Relay
LP
From Power Source System (See Page 120)
15A HORN
7. 5A DOME
J26(A), J27(B)
Junction
Connector
I11(A), I12(B)
Ignition Key Cylinder Light
ILL–
ILL+
HORN
Relay
H11
Horn
LH
H12
Horn
RH
V 8
Vanity Light LH
V 9
Vanity Light RH
P 8
Personal Light
ID1
IE1
B 5
W–R
W–B
W–G
G
G–W
W
(*4)
(*9)
(*10)
* 4 : w/ Theft Deterrent
* 9 : w/ Engine Immobiliser System
*10 : w/o Engine Immobiliser System

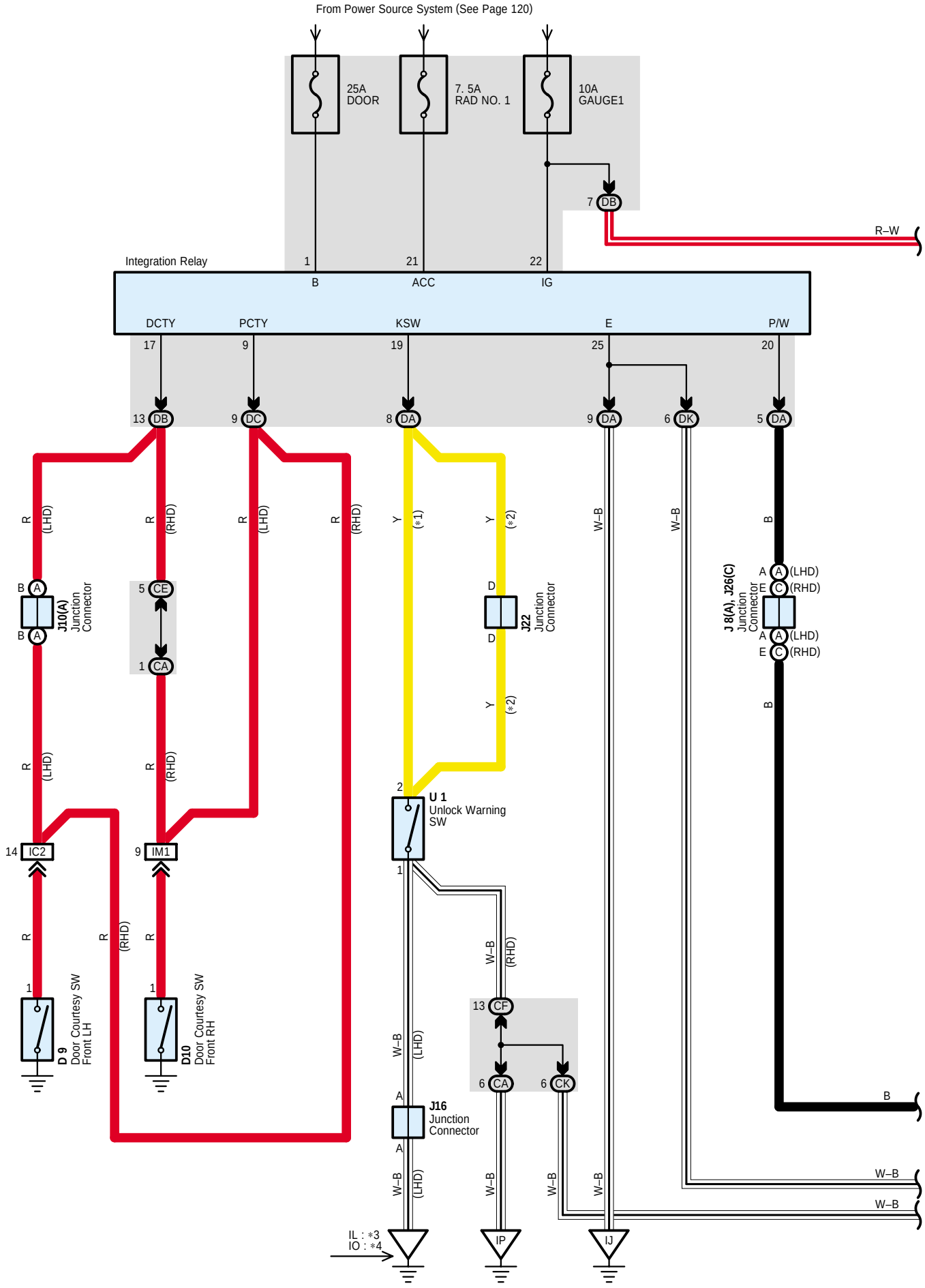

I14(A)
Integration Relay
LGCY
DCTY
PCTY
RCTY
J32
Junction Connector
L5
Luggage Compartment Light
D3
Diode
R17
Rear Interior Light
D7
Door Courtesy Light LH
D8
Door Courtesy Light RH
D10
Door Courtesy SW Front RH
D9
Door Courtesy SW Front LH
D11
Door Courtesy SW Rear LH
D12
Door Courtesy SW Rear RH
W–R
W–B
R–Y
(S/D)
(*11)

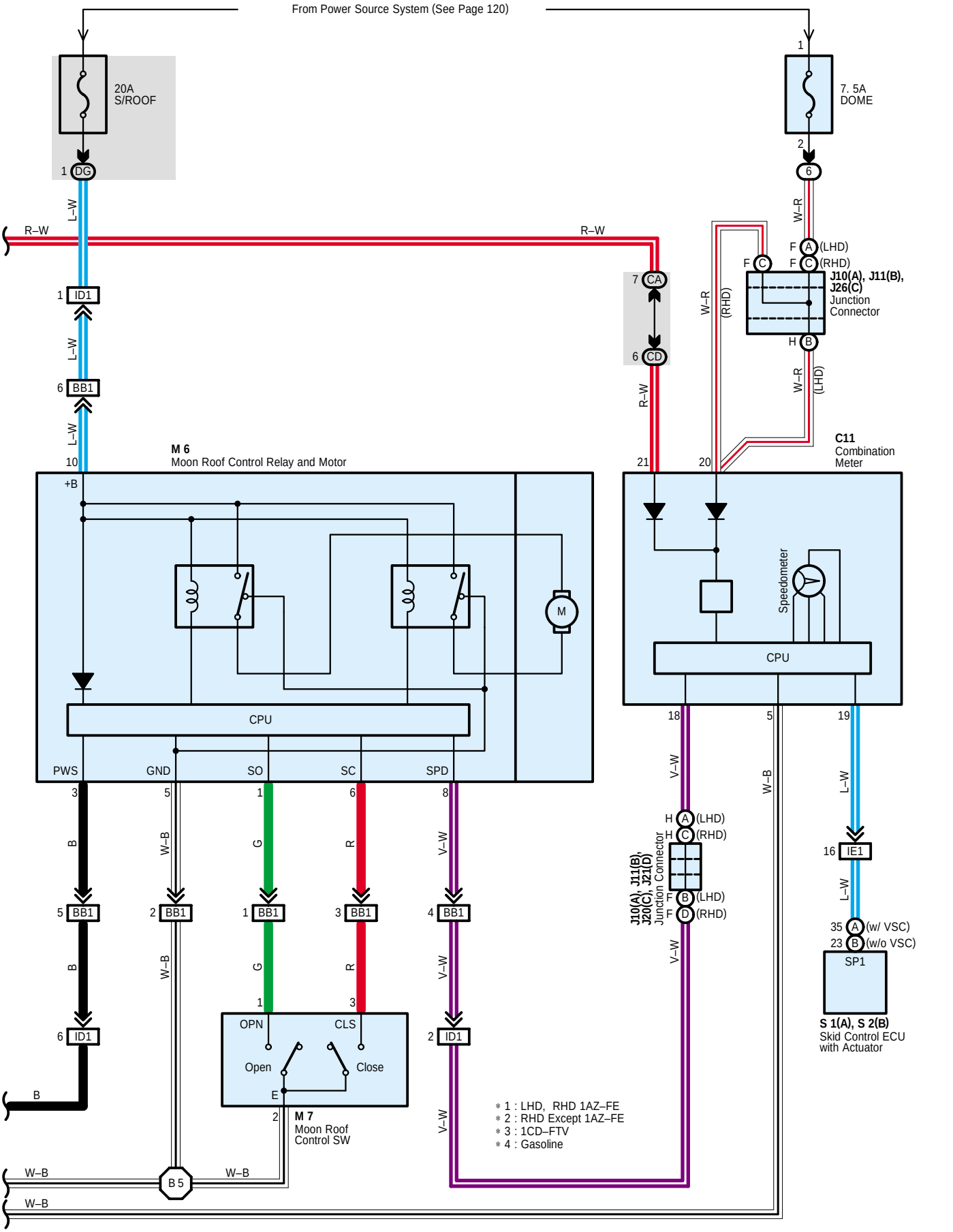

I14(A)
Integration Relay
E
BDCY
LACT
25
12
4
9 DA
6 DK
2 DK
3 DM
W–B
W–B
W–G
R–Y
(∗11)
A
J32
Junction
Connector
L
(S/D)
8 BD2 (L/B)
2 BF2 (W/G)
7 BD2 (L/B)
6 BF2 (W/G)
I16
Interior Light
8 BE2
5 BG2
7 BE2
4 BG2
(L/B)
(W/G)
11 ID1
W–R
M
B7
Back Door Courtesy SW
Back Door Lock Motor
B 5
∗11 : L/B, W/G


I14(A)
Integration Relay
BDSU
L1
UL1
L2
UL2
LSWD
Lock
Unlock
D17
Door Lock Control SW
B 8
Back Door Opener SW
L 3
Luggage Compartment Door Lock Motor
Luggage Compartment Light SW
L 4
Luggage Compartment Door Opener SW
J33(A), J34(B)
Junction Connector
J30(A), J31(B)
Junction Connector
D13(A)
Door Key Lock and Unlock SW (Driver' s Side)
Door Lock Control Motor (Driver' s Side)
Door Unlock Detection SW (Driver' s Side)
D14(B)
Door Key Lock and Unlock SW (Driver' s Side)
Door Lock Control Motor (Driver' s Side)
Door Unlock Detection SW (Driver' s Side)
Double Lock Motor (Driver' s Side)
Double Lock Position SW (Driver' s Side)
B 7
BX
BS
IP

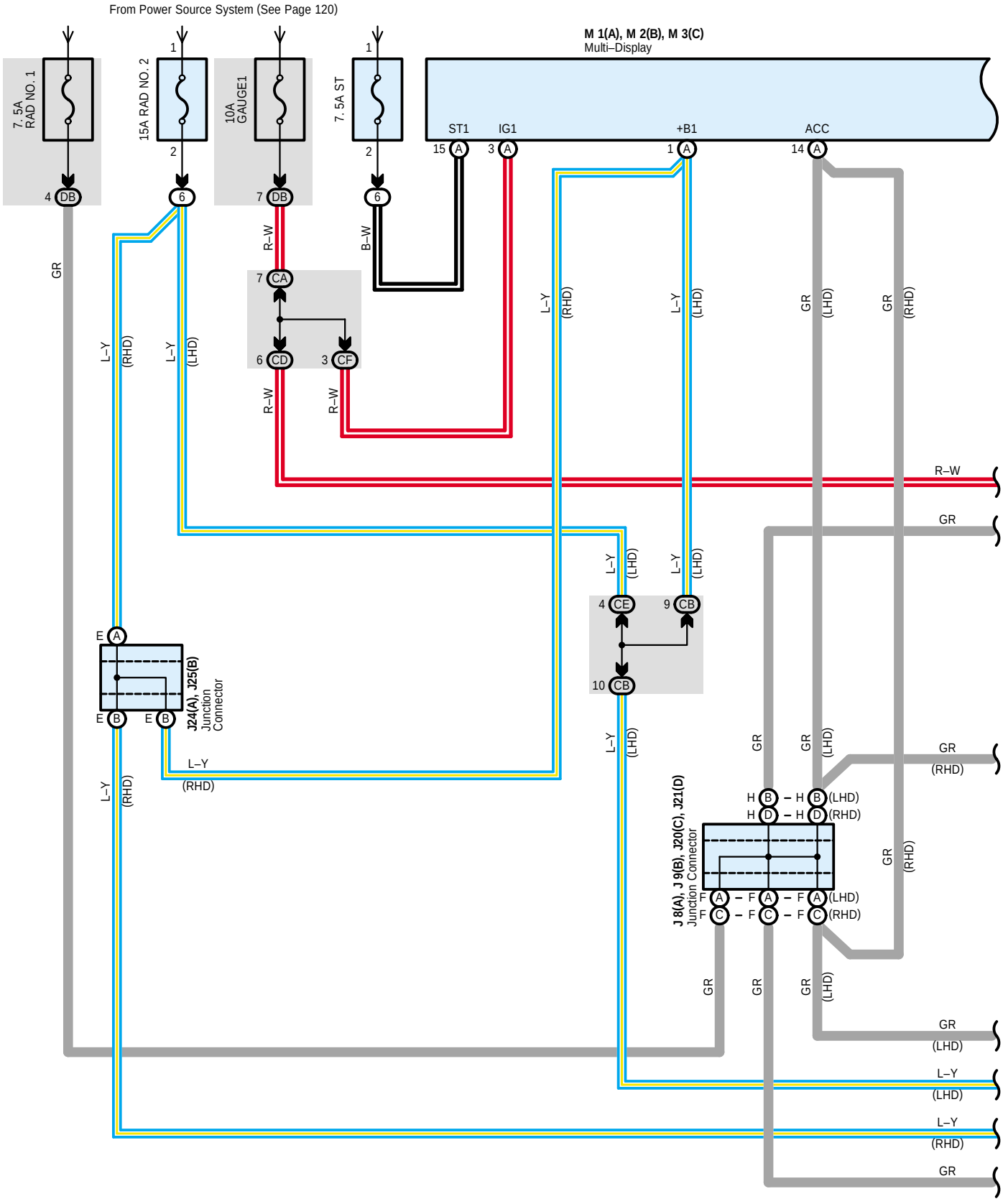

I14(A)
Integration Relay
DLPD
LSWP
J20(A), J21(B)
Junction
Connector
D13(A)
Door Key Lock and Unlock SW (Driver' s Side)
Door Lock Control Motor (Driver' s Side)
Door Unlock Detection SW (Driver' s Side)
D14(B)
Door Key Lock and Unlock SW (Driver' s Side)
Door Lock Control Motor (Driver' s Side)
Door Unlock Detection SW (Driver' s Side)
Double Lock Motor (Driver' s Side)
Double Lock Position SW (Driver' s Side)
D20(A)
Door Lock Motor Rear RH
D21(B)
Door Lock Motor Rear RH
Door Unlock Detection
SW Rear RH
Double Lock Motor
Rear RH
Double Lock
Position SW Rear RH
∗11 : L/B, W/G
∗12 : w/ Double Locking
∗13 : w/o Double Locking
B 8
BU
W–B

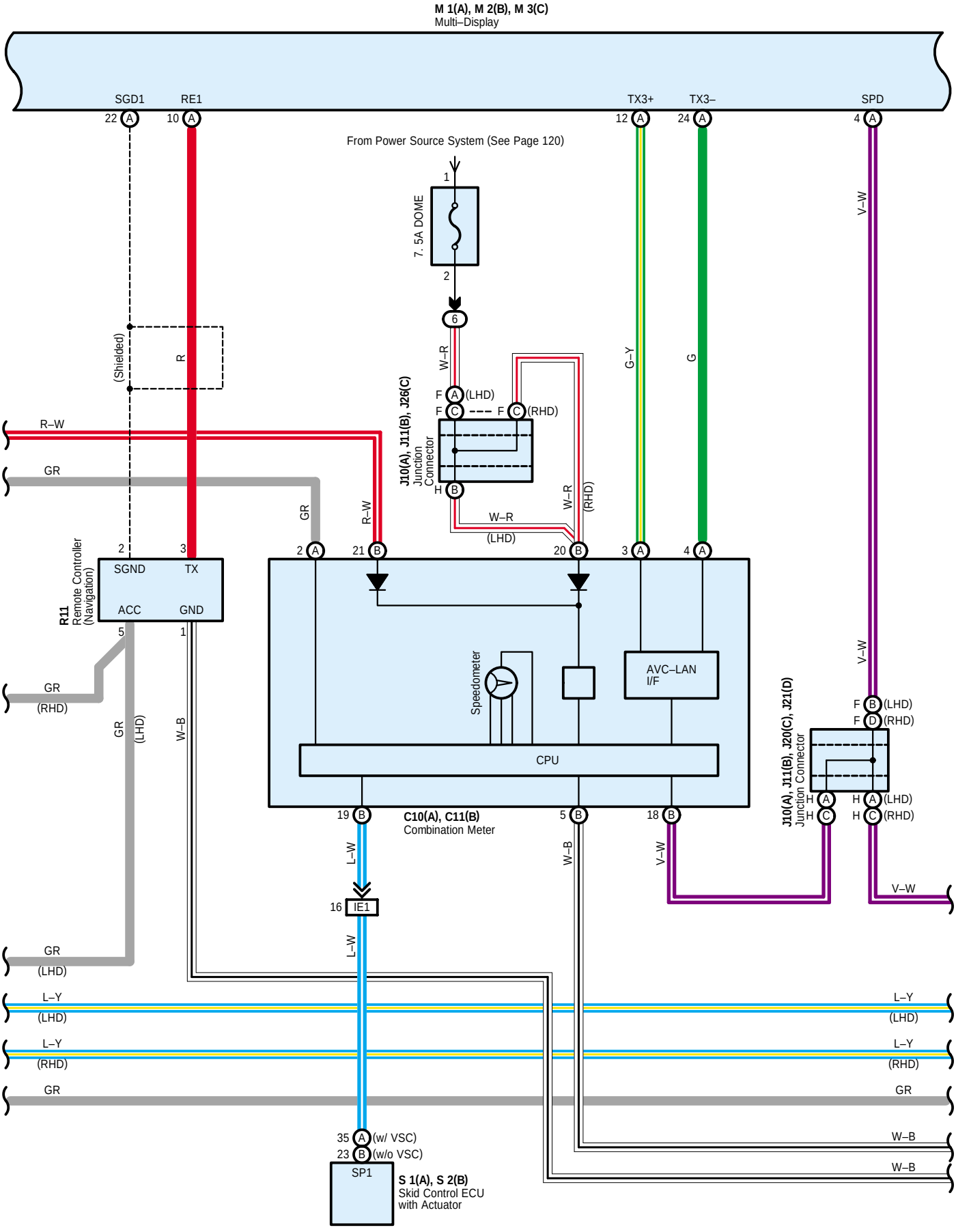

I14(A)
Integration Relay
ACTS
ACTR
ACT+
ACT–
D15(A)
D16(B)
Door Lock Control Motor (Front Passenger' s Side)
Door Lock Control Motor (Front Passenger' s Side)
Door Unlock Detection SW (Front Passenger' s Side)
Double Lock Motor (Front Passenger' s Side)
Double Lock Position SW (Front Passenger' s Side)
D18(A)
Door Lock Motor Rear LH
D19(B)
Door Lock Motor Rear LH
Door Unlock Detection SW Rear LH
Double Lock Motor Rear LH
Double Lock Position SW Rear LH
B 1
B 2
IJ
BQ
∗12 : w/ Double Locking
∗13 : w/o Double Locking

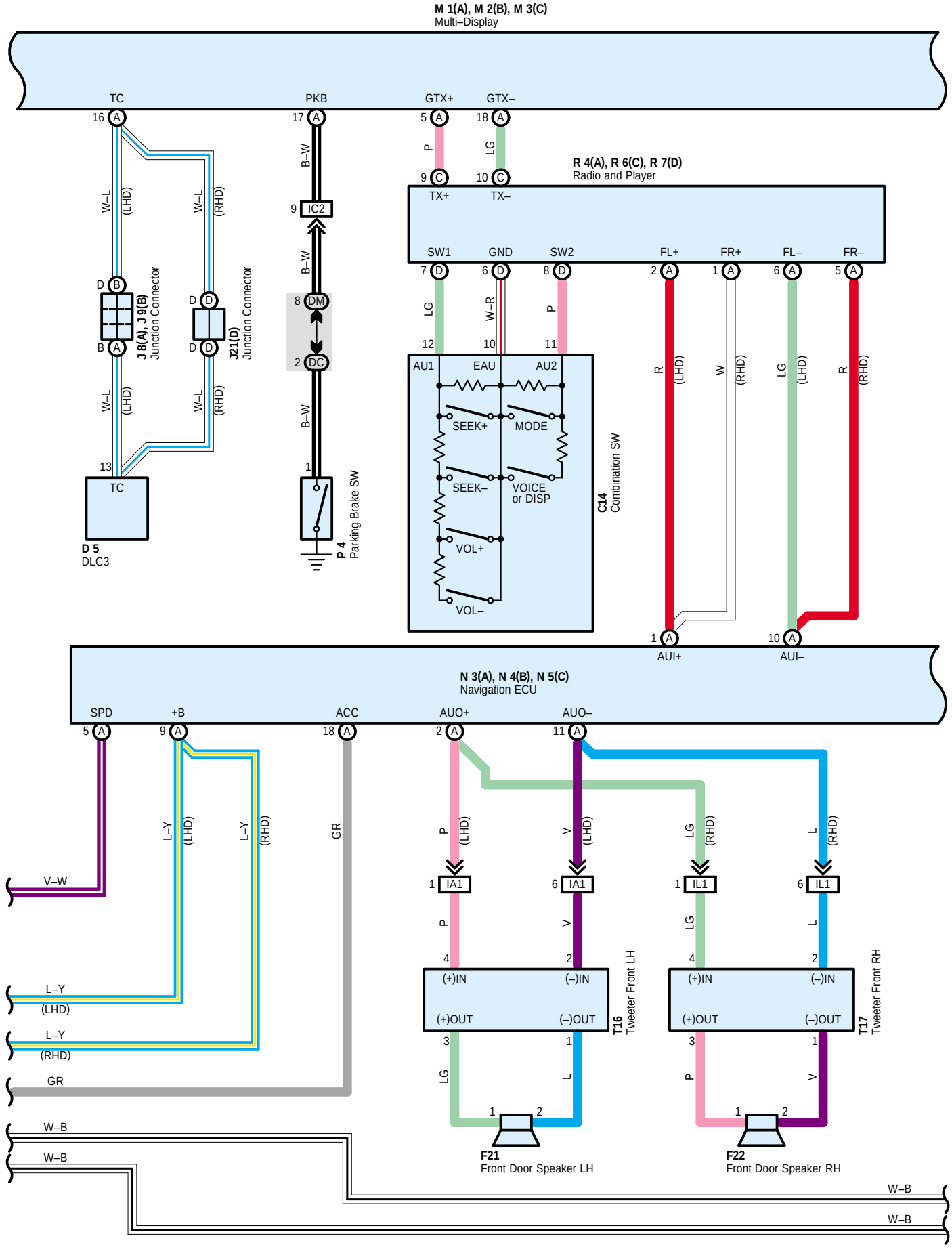

From Power Source System (See Page 120)
25A DOOR
7. 5A RAD NO. 1
10A GAUGE1
7 DB
R–W
Integration Relay
1 B
21 ACC
22 IG
DCTY 17
PCTY 9
KSW 19
E 25
P/W 20
13 DB
9 DC
8 DA
9 DA
6 DK
5 DA
R (LHD)
R (RHD)
R (LHD)
R (RHD)
Y (*1)
Y (*2)
W–B
W–B
B
B A J10(A) Junction Connector B A
5 CE
1 CA
D J22 Junction Connector D
Y (*2)
A (LHD) C (RHD) A (LHD) E (RHD) J 8(A), J26(C) Junction Connector
B
R (LHD)
R (RHD)
2 U 1 Unlock Warning SW
1
14 IC2
9 IM1
R
R (RHD)
R
1 D 9 Door Courtesy SW Front LH
1 D10 Door Courtesy SW Front RH
W–B (RHD)
13 CF
6 CA
6 CK
W–B (LHD)
A J16 Junction Connector A
W–B (LHD)
W–B
W–B
W–B
W–B
B
W–B
W–B
IL : *3
IO : *4
IP
IJ


From Power Source System (See Page 120)
20A
S/ROOF
7. 5A
DOME
L–W
R–W
W–R
W–B
B
V–W
G
R
M 6
Moon Roof Control Relay and Motor
+B
CPU
PWS
GND
SO
SC
SPD
M
M 7
Moon Roof
Control SW
OPN
CLS
Open
Close
E
J10(A), J11(B),
J26(C)
Junction
Connector
J10(A), J11(B),
J20(C), J21(D)
Junction Connector
(LHD)
(RHD)
C11
Combination
Meter
Speedometer
IE1
SP1
(w/ VSC)
(w/o VSC)
S 1(A), S 2(B)
Skid Control ECU
with Actuator
ID1
BB1
B5
* 1 : LHD, RHD 1AZ–FE
* 2 : RHD Except 1AZ–FE
* 3 : 1CD–FTV
* 4 : Gasoline

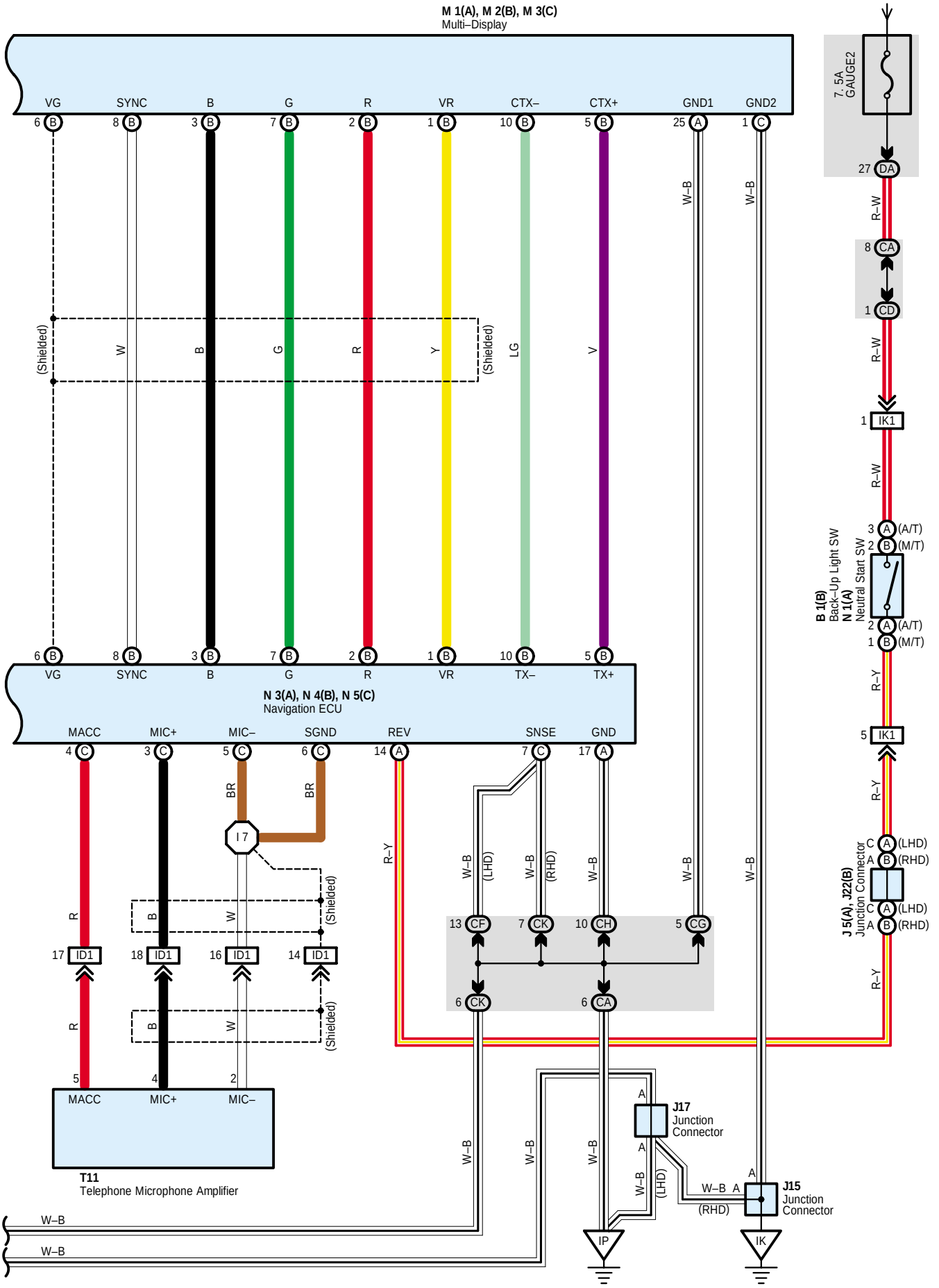
Navigation System (Map Type)



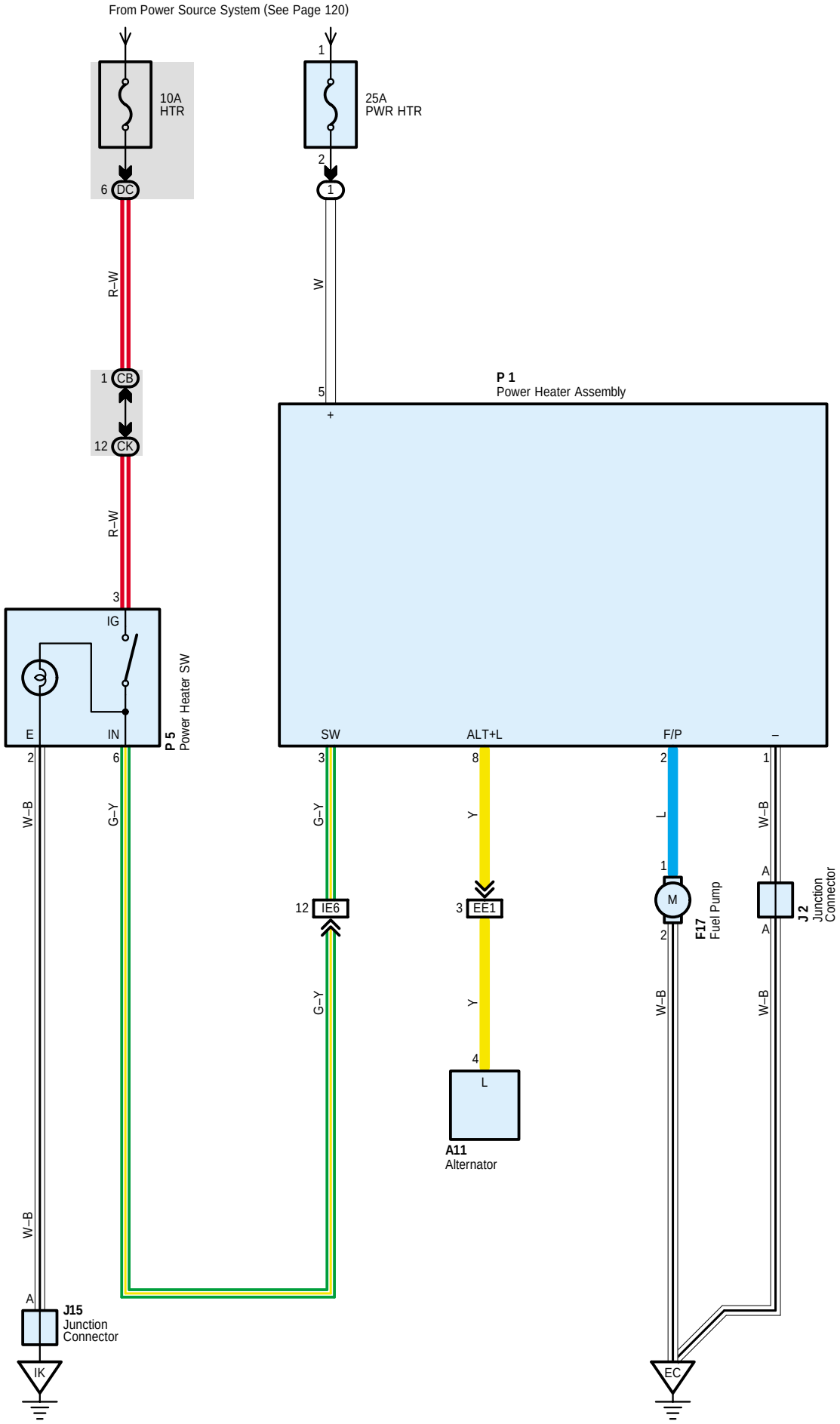

M 1(A), M 2(B), M 3(C)
Multi–Display
SGD1
RE1
TX3+
TX3–
SPD
From Power Source System (See Page 120)
7. 5A DOME
(Shielded)
R
R–W
GR
W–R
G–Y
G
V–W
J10(A), J11(B), J26(C)
Junction Connector
(LHD)
(RHD)
R11
Remote Controller
(Navigation)
SGND
TX
ACC
GND
Speedometer
AVC–LAN
I/F
CPU
C10(A), C11(B)
Combination Meter
J10(A), J11(B), J20(C), J21(D)
Junction Connector
W–B
L–W
L–Y
IE1
SP1
(w/ VSC)
(w/o VSC)
S 1(A), S 2(B)
Skid Control ECU
with Actuator


M 1(A), M 2(B), M 3(C)
Multi–Display
TC
PKB
GTX+
GTX–
16 A
17 A
5 A
18 A
W–L (LHD)
W–L (RHD)
B–W
P
LG
9 IC2
9 C
10 C
TX+
TX–
R 4(A), R 6(C), R 7(D)
Radio and Player
D B
B A
J 8(A), J 9(B)
Junction Connector
D D
D D
J21(D)
Junction Connector
B–W
8 DM
2 DC
SW1
GND
SW2
FL+
FR+
FL–
FR–
7 D
6 D
8 D
2 A
1 A
6 A
5 A
LG
W–R
P
12
10
11
R (LHD)
W (RHD)
LG (LHD)
R (RHD)
AU1
EAU
AU2
SEEK+
MODE
SEEK–
VOICE
or DISP
VOL+
VOL–
C14
Combination SW
13
TC
D 5
DLC3
1
P 4
Parking Brake SW
1 A
10 A
AUI+
AUI–
N 3(A), N 4(B), N 5(C)
Navigation ECU
SPD
+B
ACC
AUO+
AUO–
5 A
9 A
18 A
2 A
11 A
L–Y (LHD)
L–Y (RHD)
GR
P (LHD)
V (LHD)
LG (RHD)
L (RHD)
V–W
1 IA1
6 IA1
1 IL1
6 IL1
L–Y
(LHD)
L–Y
(RHD)
GR
4
2
(+)IN
(–)IN
(+)OUT
(–)OUT
T16
Tweeter Front LH
T17
Tweeter Front RH
3
1
LG
L
P
V
1
2
F21
Front Door Speaker LH
F22
Front Door Speaker RH
W–B
W–B
W–B
W–B

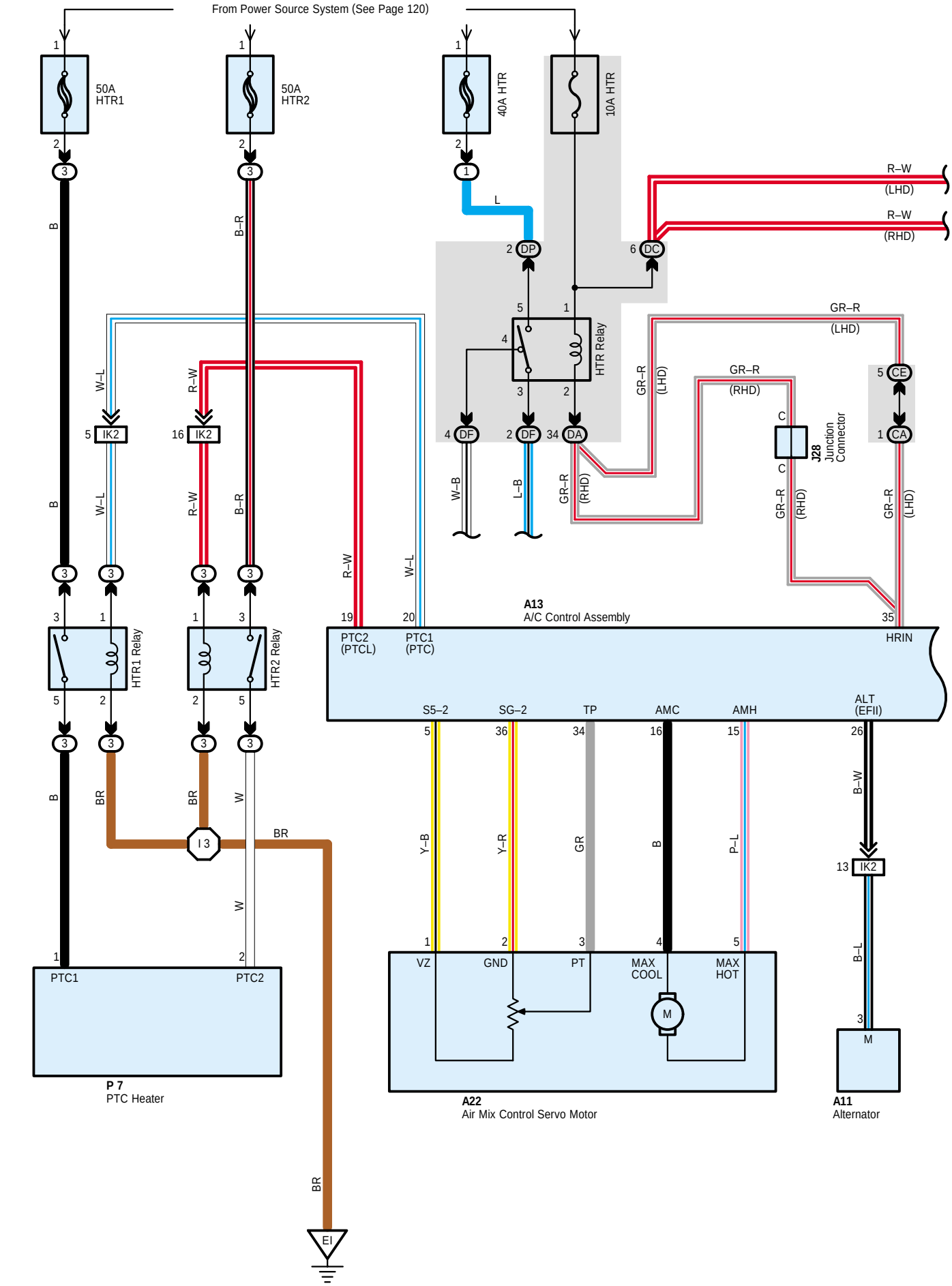
From Power Source System (See Page 120)

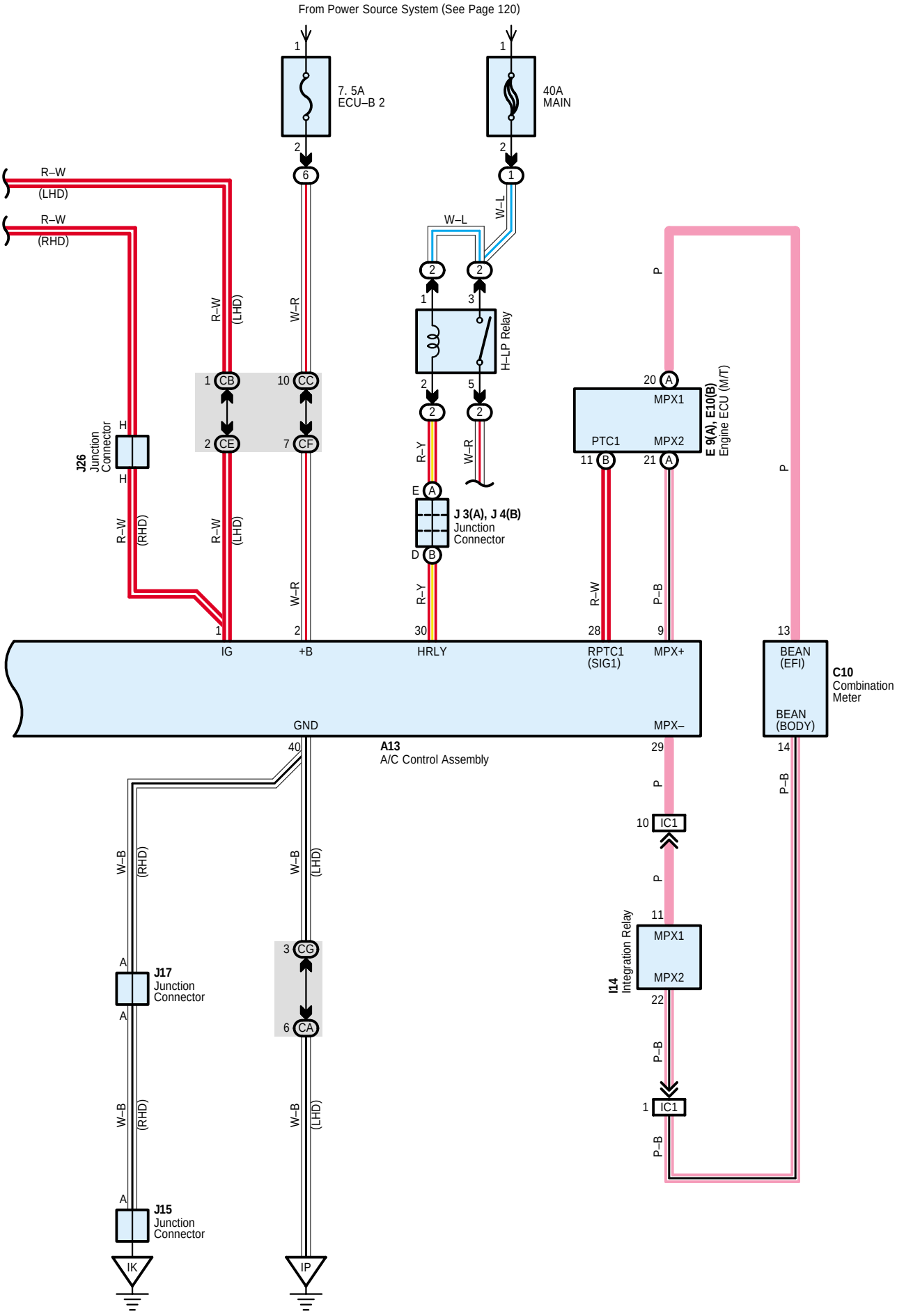


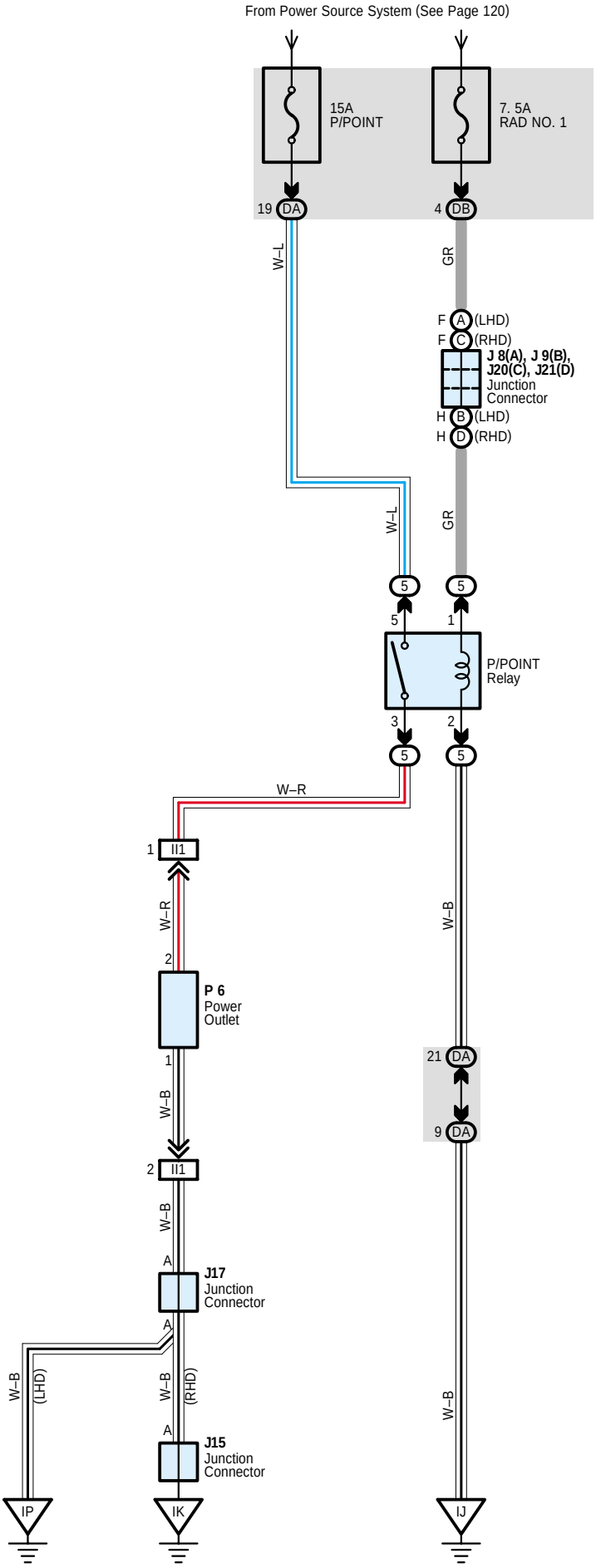
Power Heater (Combustion Type)

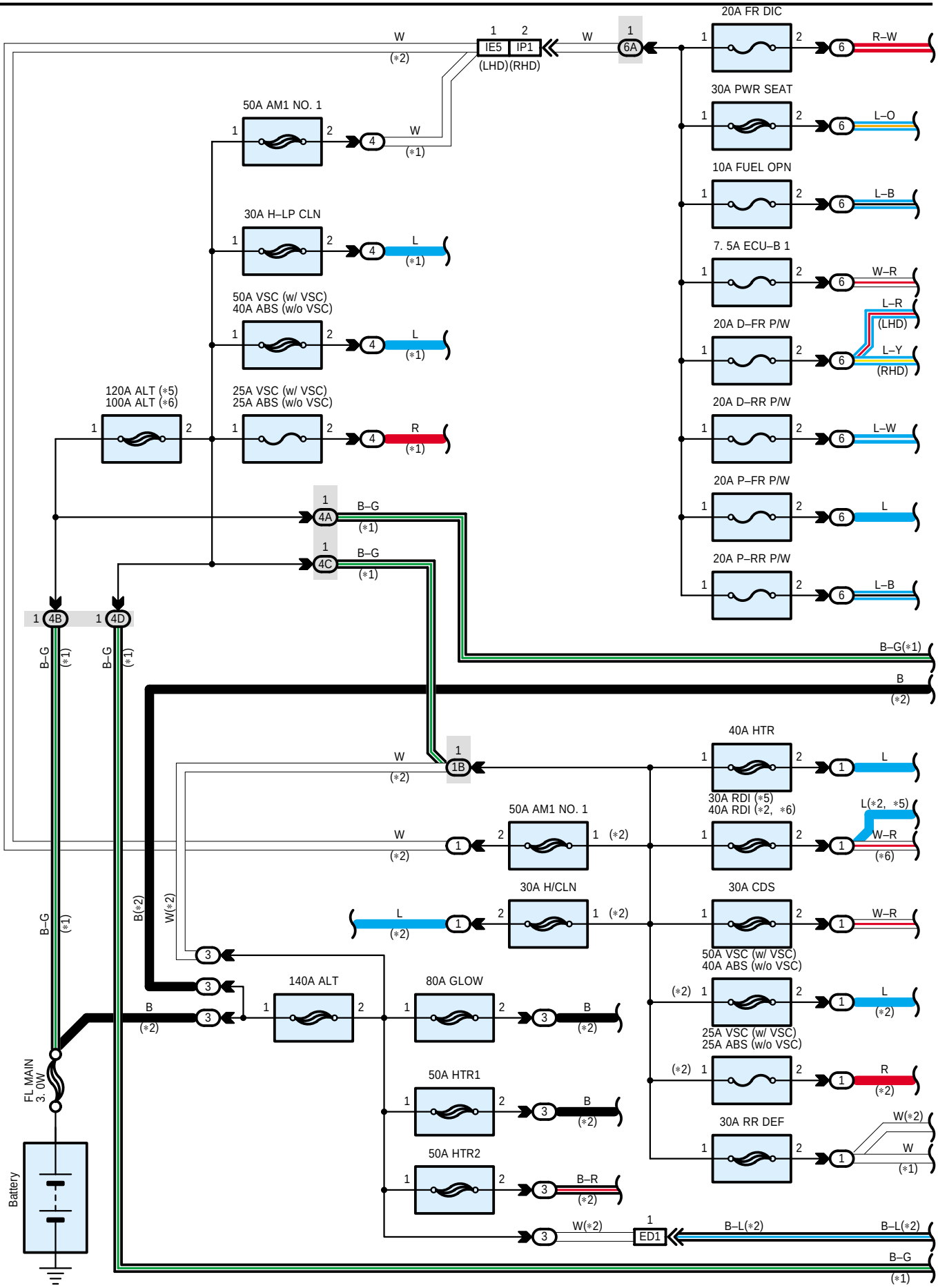


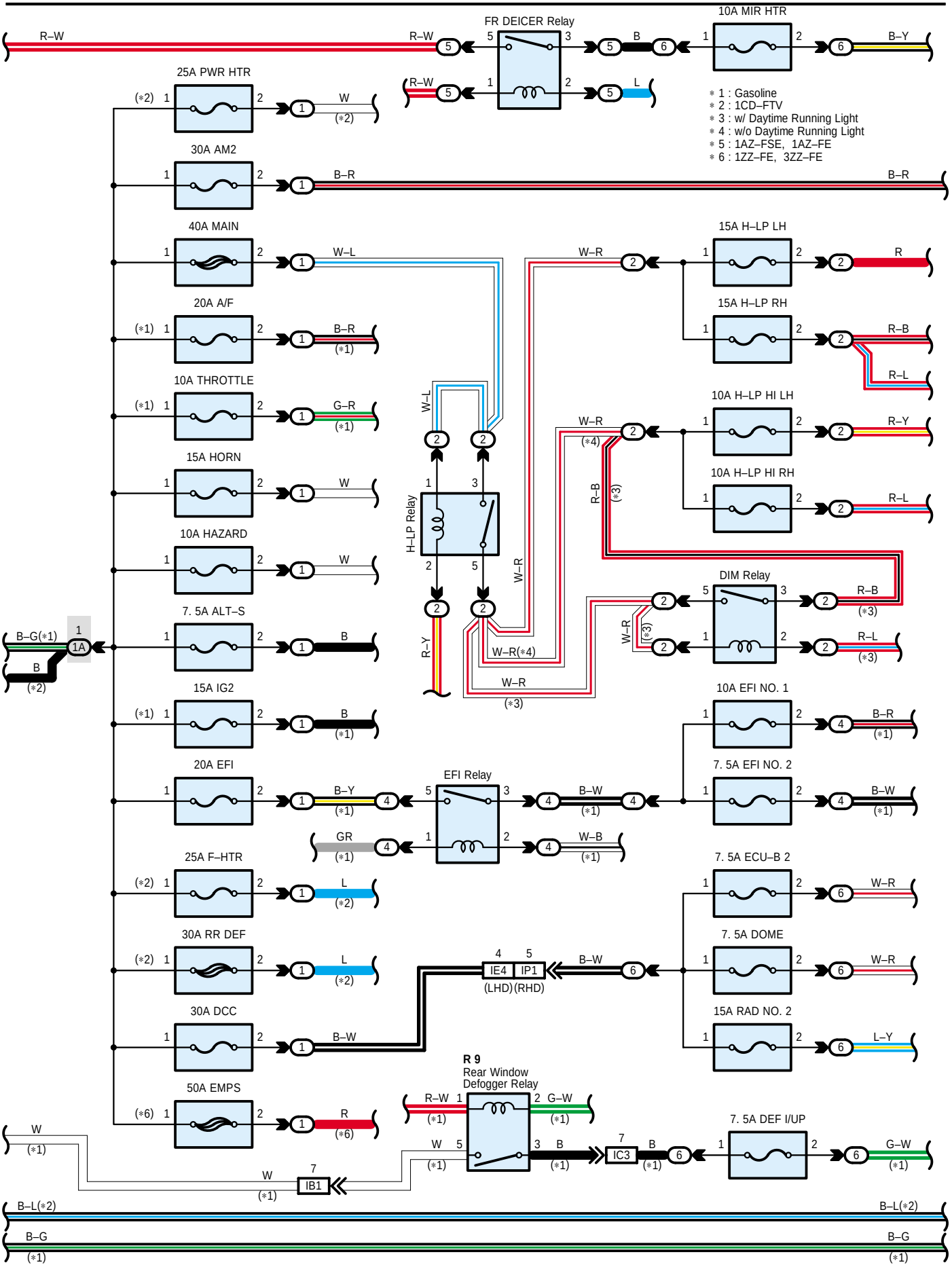
Power Heater (Electrical Type)

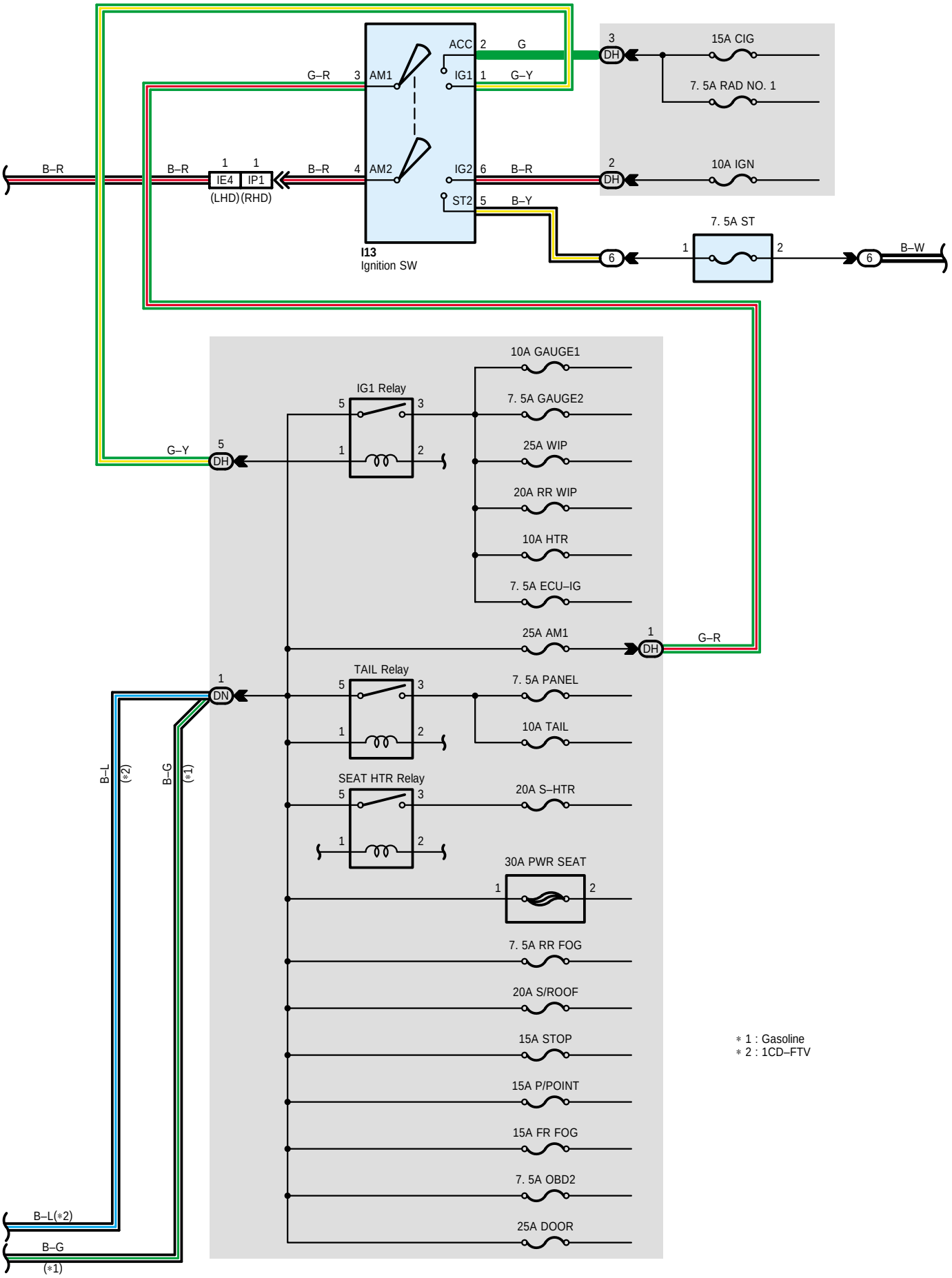



From Power Source System (See Page 120)
7. 5A
ECU–B 2
40A
MAIN
R–W
(LHD)
R–W
(RHD)
W–L
H–LP Relay
J26
Junction
Connector
J 3(A), J 4(B)
Junction
Connector
E 9(A), E10(B)
Engine ECU (M/T)
MPX1
MPX2
PTC1
IG
+B
HRLY
RPTC1
(SIG1)
MPX+
MPX–
GND
A13
A/C Control Assembly
C10
Combination
Meter
BEAN
(EFI)
BEAN
(BODY)
I14
Integration Relay
J17
Junction
Connector
J15
Junction
Connector
IK
IP
IC1


From Power Source System (See Page 120)
15A
P/POINT
7. 5A
RAD NO. 1
19 DA
4 DB
W–L
GR
F A (LHD)
F C (RHD)
J 8(A), J 9(B),
J20(C), J21(D)
Junction
Connector
H B (LHD)
H D (RHD)
W–L
GR
5
5
5
1
P/POINT
Relay
3
2
5
5
W–R
1 II1
W–R
2
P 6
Power
Outlet
1
W–B
2 II1
W–B
A
J17
Junction
Connector
A
W–B
(LHD)
W–B
(RHD)
A
J15
Junction
Connector
IP
IK
21 DA
9 DA
W–B
W–B
IJ

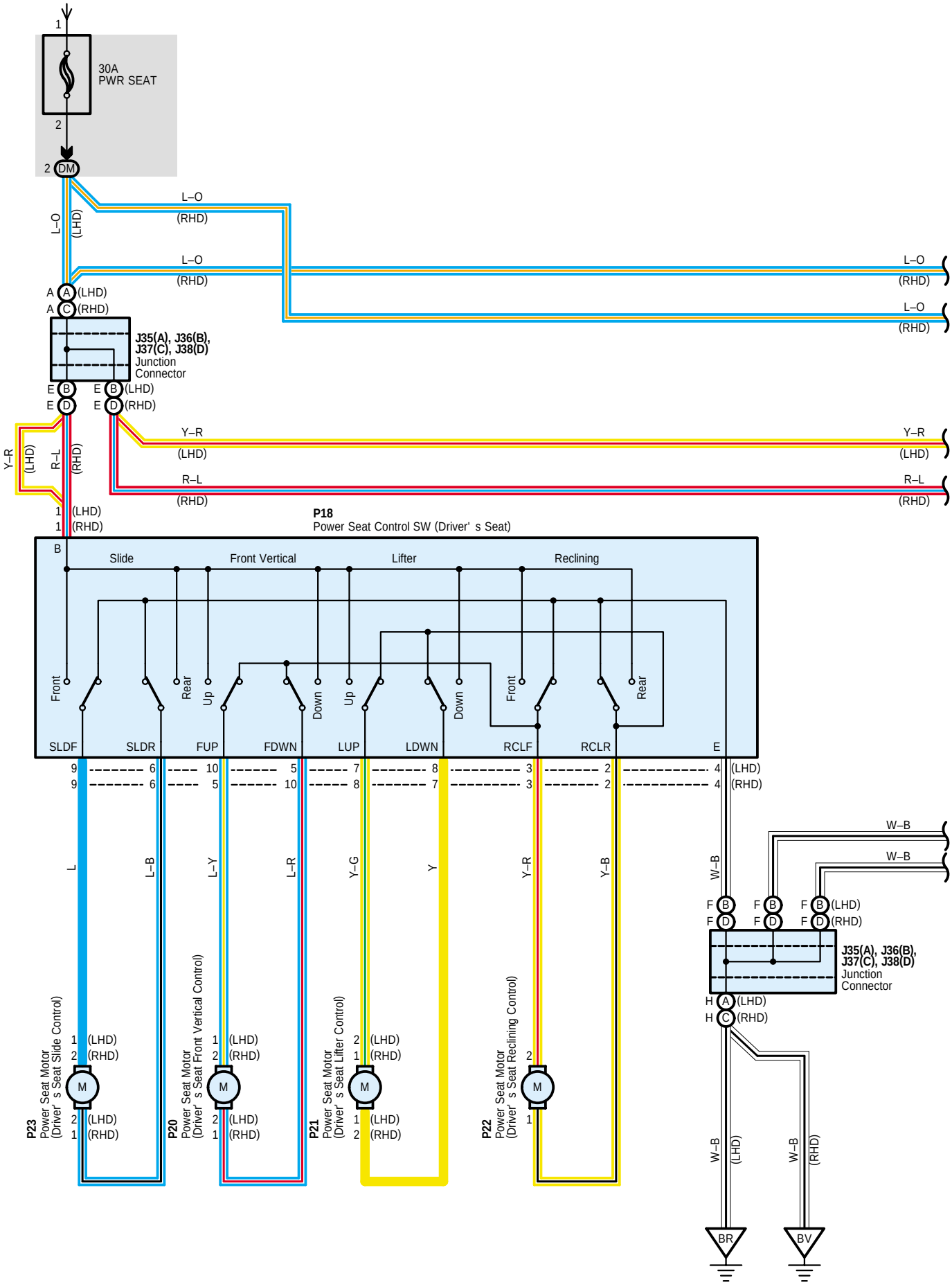

20A FR DIC
30A PWR SEAT
10A FUEL OPN
7. 5A ECU–B 1
20A D–FR P/W
20A D–RR P/W
20A P–FR P/W
20A P–RR P/W
50A AM1 NO. 1
30A H–LP CLN
50A VSC (w/ VSC)
40A ABS (w/o VSC)
120A ALT (∗5)
100A ALT (∗6)
25A VSC (w/ VSC)
25A ABS (w/o VSC)
IE5
IP1
(LHD)(RHD)
6A
4A
4C
4B
4D
1B
ED1
B–G
B–G(∗1)
B
(∗2)
W
(∗2)
W
(∗1)
L
(∗1)
R
(∗1)
R–W
L–O
L–B
W–R
L–R
(LHD)
L–Y
(RHD)
L–W
L
B–L(∗2)
40A HTR
30A RDI (∗5)
40A RDI (∗2, ∗6)
L(∗2, ∗5)
W–R
(∗6)
30A H/CLN
30A CDS
50A VSC (w/ VSC)
40A ABS (w/o VSC)
25A VSC (w/ VSC)
25A ABS (w/o VSC)
30A RR DEF
W(∗2)
W
(∗1)
140A ALT
80A GLOW
50A HTR1
50A HTR2
B–R
B(∗2)
W(∗2)
FL MAIN
3. 0W
Battery


FR DEICER Relay
10A MIR HTR
25A PWR HTR
30A AM2
40A MAIN
20A A/F
10A THROTTLE
15A HORN
10A HAZARD
7. 5A ALT–S
15A IG2
20A EFI
25A F–HTR
30A RR DEF
30A DCC
50A EMPS
15A H–LP LH
15A H–LP RH
10A H–LP HI LH
10A H–LP HI RH
H–LP Relay
DIM Relay
EFI Relay
10A EFI NO. 1
7. 5A EFI NO. 2
7. 5A ECU–B 2
7. 5A DOME
15A RAD NO. 2
7. 5A DEF I/UP
R 9
Rear Window
Defogger Relay
IE4
IP1
(LHD)(RHD)
IB1
IC3
∗ 1 : Gasoline
∗ 2 : 1CD–FTV
∗ 3 : w/ Daytime Running Light
∗ 4 : w/o Daytime Running Light
∗ 5 : 1AZ–FSE, 1AZ–FE
∗ 6 : 1ZZ–FE, 3ZZ–FE

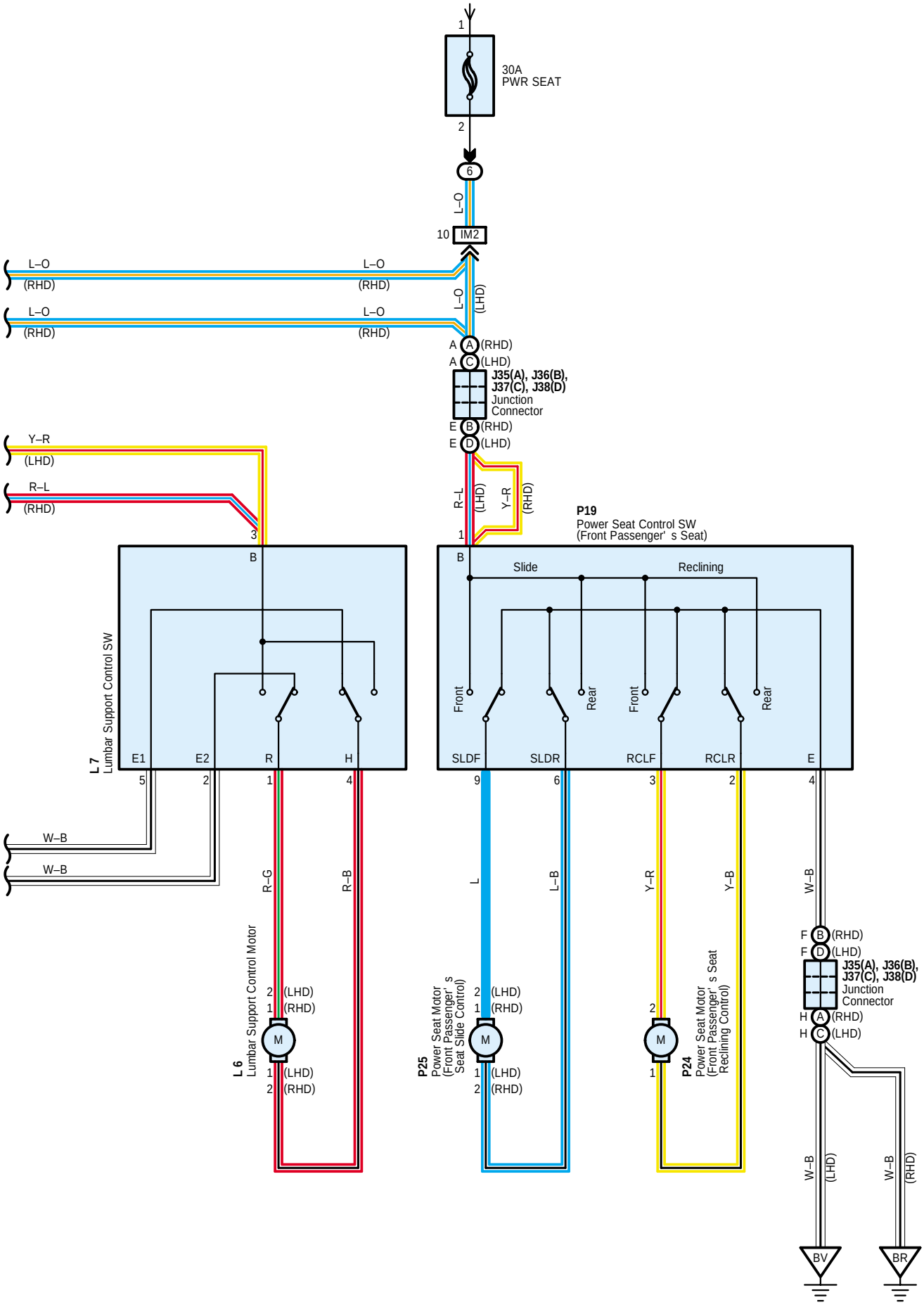

ACC
IG1
IG2
ST2
AM1
AM2
G–R
G
G–Y
B–R
B–Y
15A CIG
7. 5A RAD NO. 1
10A IGN
7. 5A ST
B–W
IE4
IP1
(LHD)(RHD)
I13
Ignition SW
10A GAUGE1
IG1 Relay
7. 5A GAUGE2
25A WIP
20A RR WIP
10A HTR
7. 5A ECU–IG
25A AM1
TAIL Relay
7. 5A PANEL
10A TAIL
SEAT HTR Relay
20A S–HTR
30A PWR SEAT
7. 5A RR FOG
20A S/ROOF
15A STOP
15A P/POINT
15A FR FOG
7. 5A OBD2
25A DOOR
B–L
B–G
B–L(∗2)
B–G
(∗1)
(∗2)
(∗1)
∗ 1 : Gasoline
∗ 2 : 1CD–FTV

Power Seat

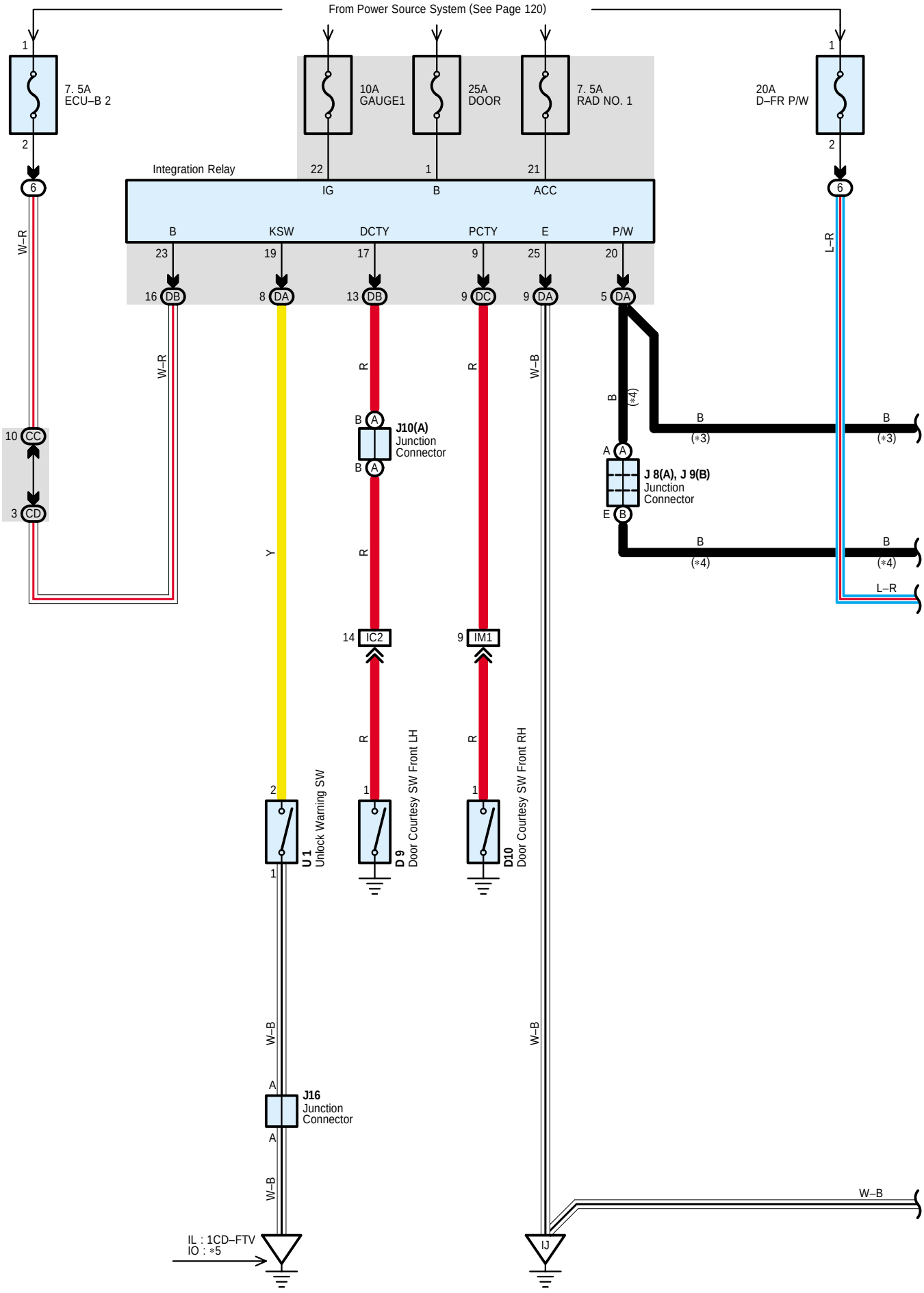
From Power Source System (See Page 120)

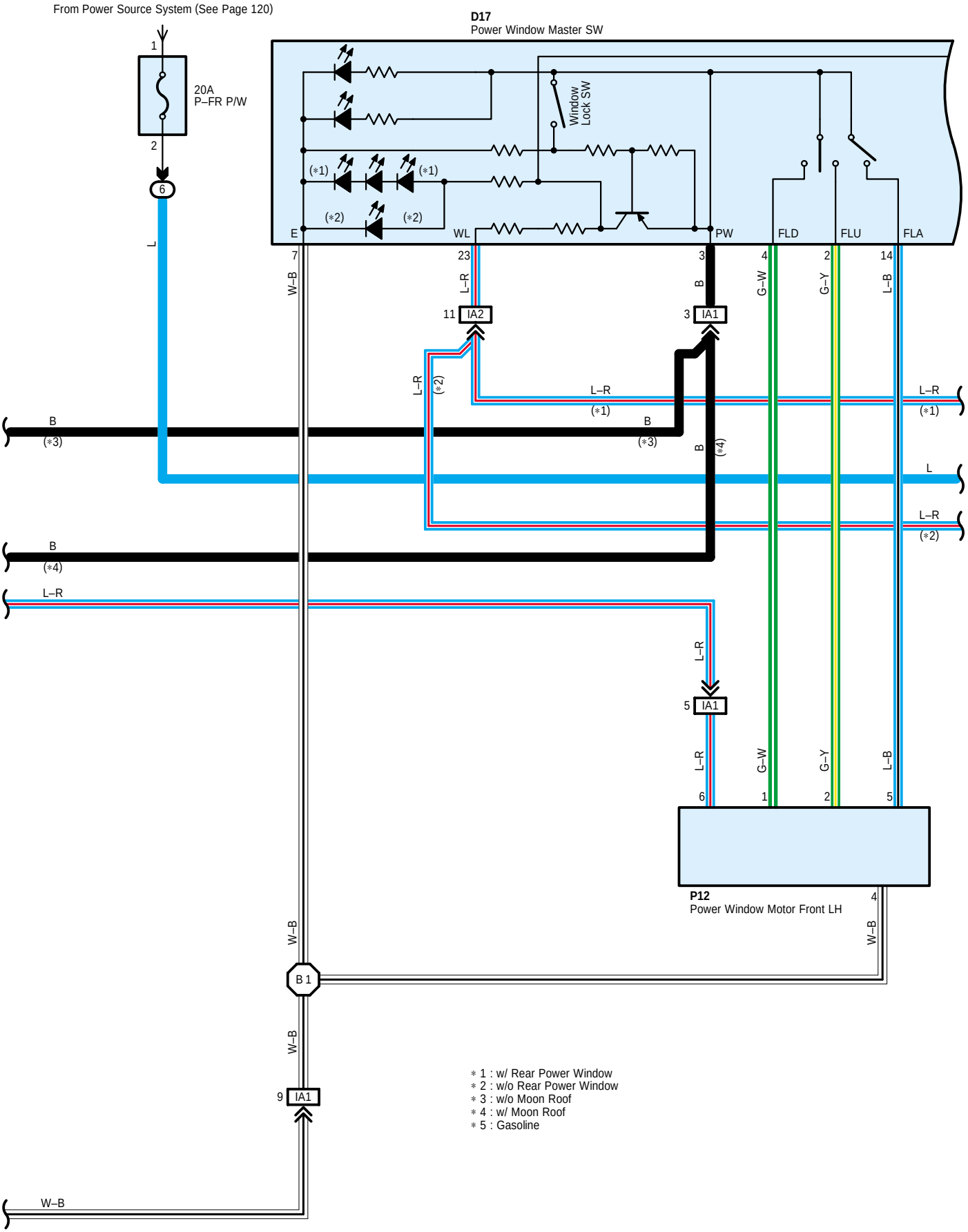


From Power Source System (See Page 120)

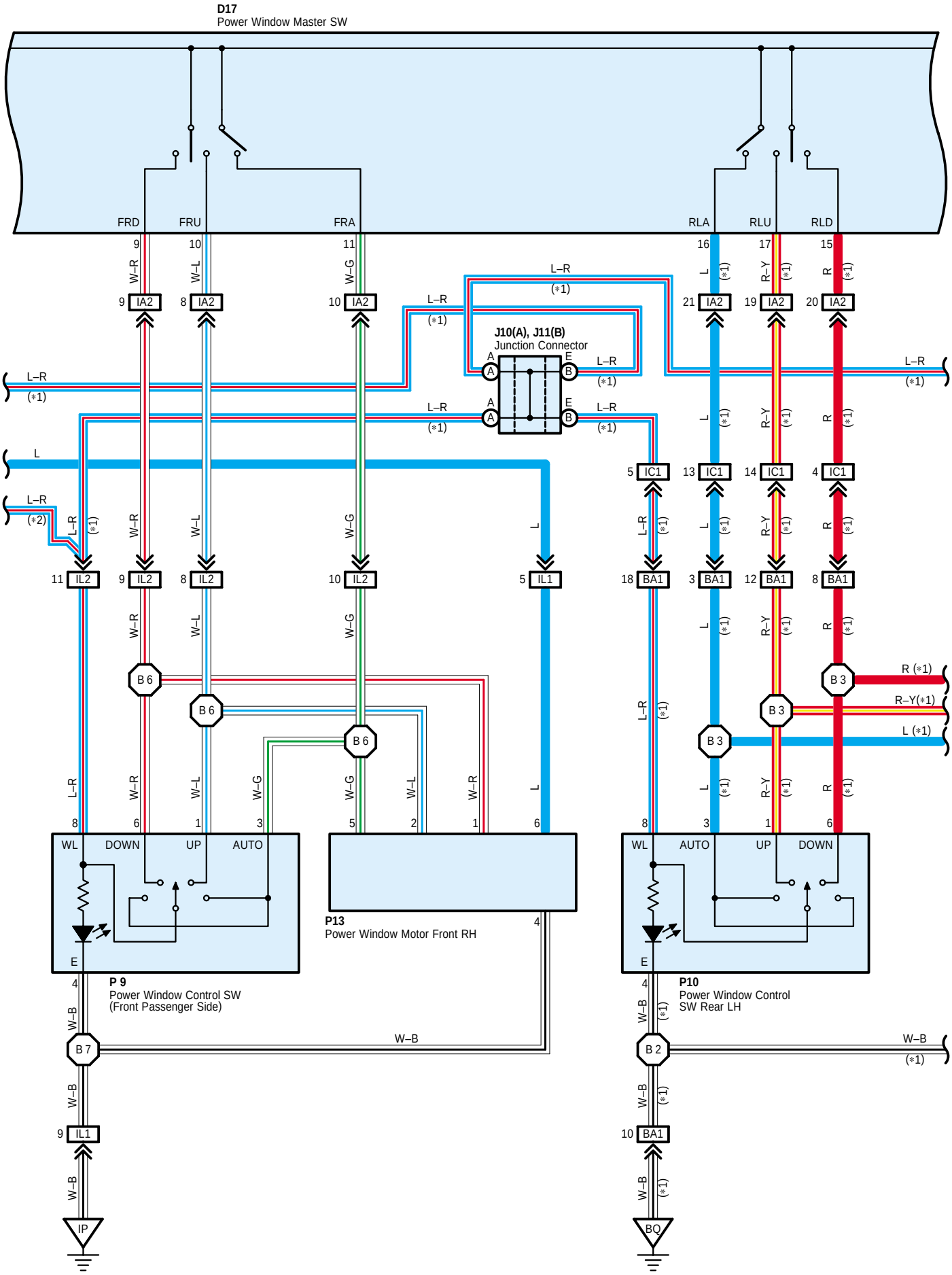


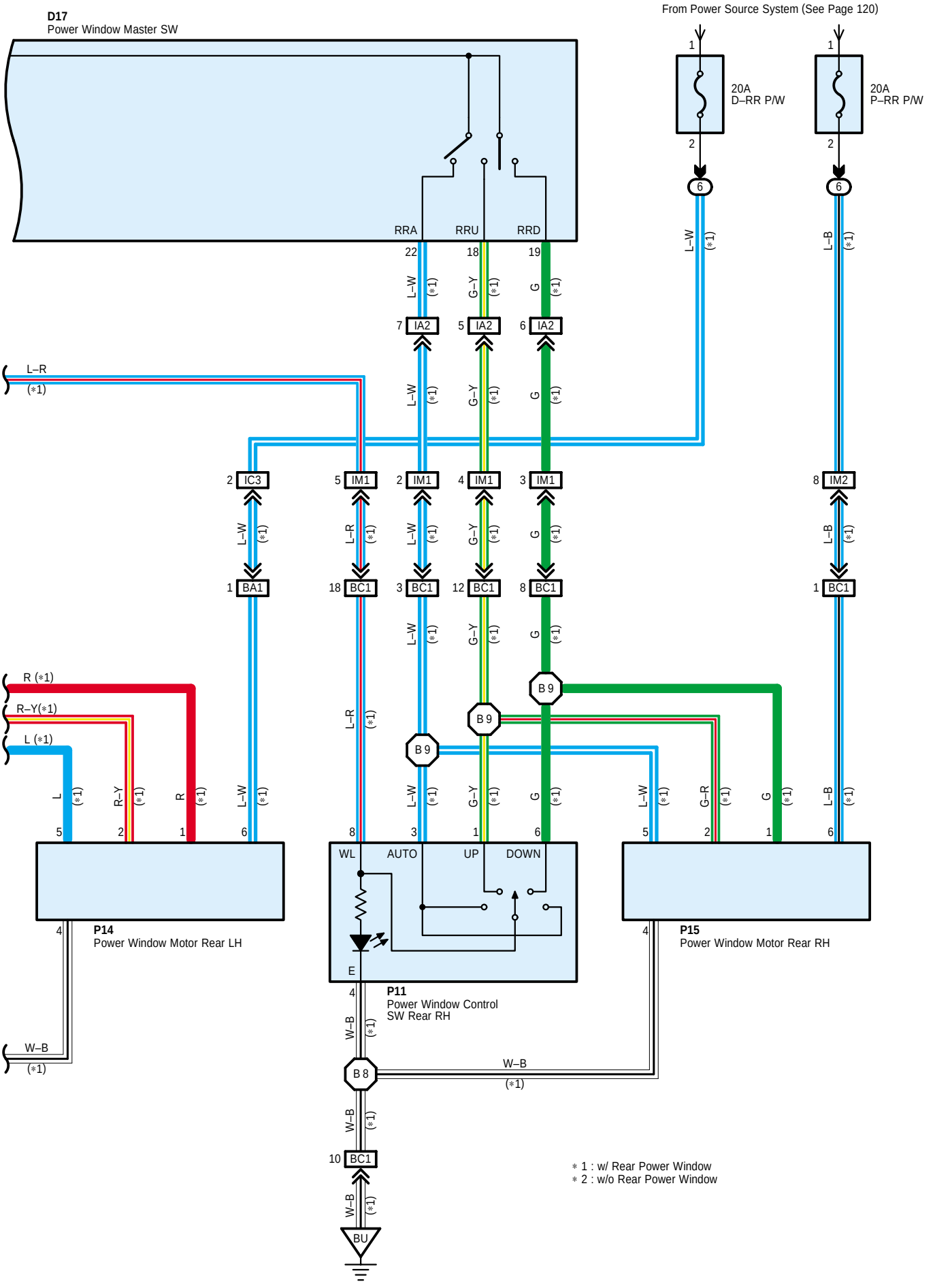
Power Window (LHD)



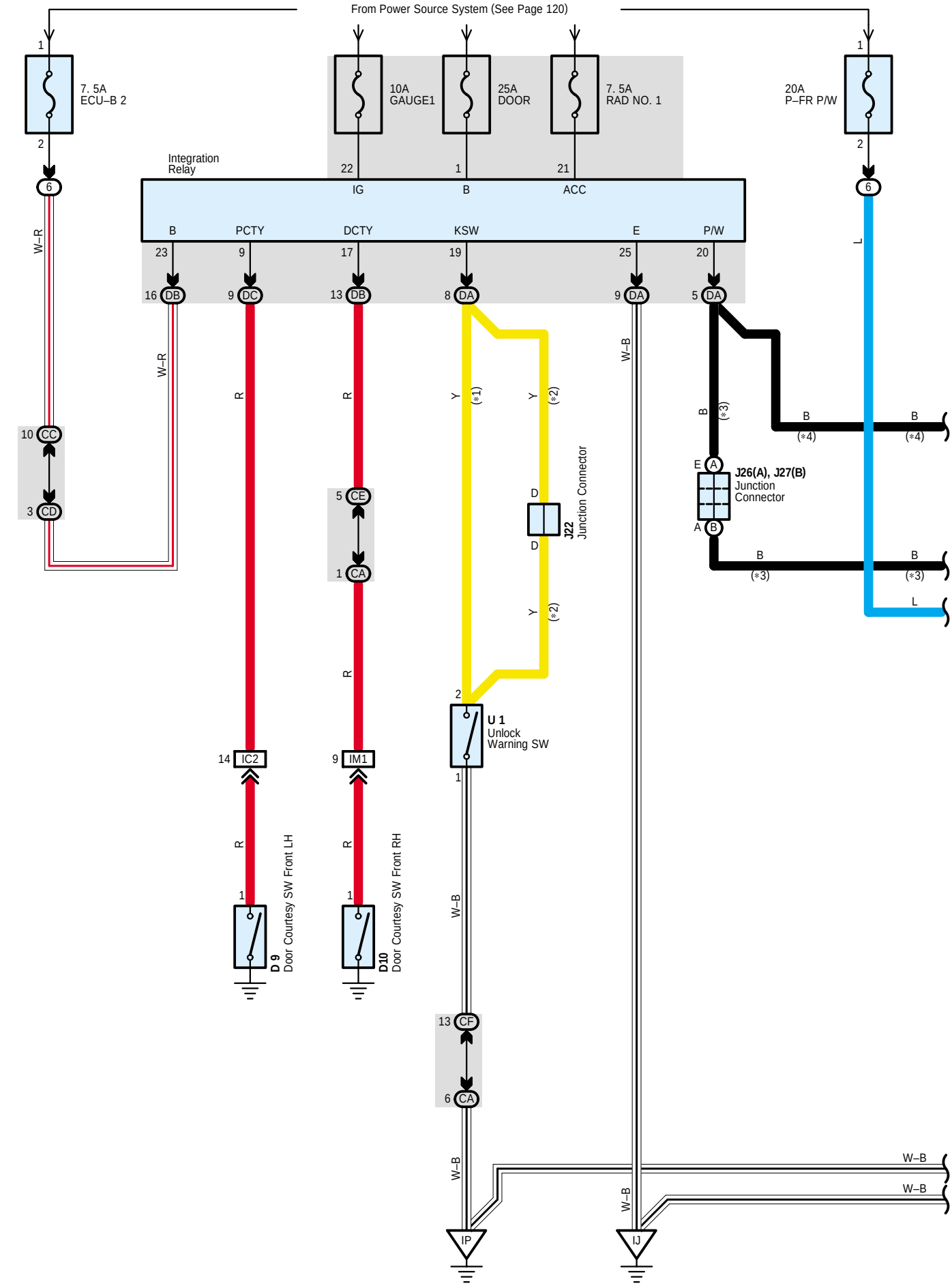

From Power Source System (See Page 120)
D17
Power Window Master SW
20A
P–FR P/W
Window
Lock SW
E
WL
PW
FLD
FLU
FLA
IA2
IA1
P12
Power Window Motor Front LH
B 1
W–B
L–R
G–W
G–Y
L–B
B
L
(∗1)
(∗2)
(∗3)
(∗4)
∗ 1 : w/ Rear Power Window
∗ 2 : w/o Rear Power Window
∗ 3 : w/o Moon Roof
∗ 4 : w/ Moon Roof
∗ 5 : Gasoline

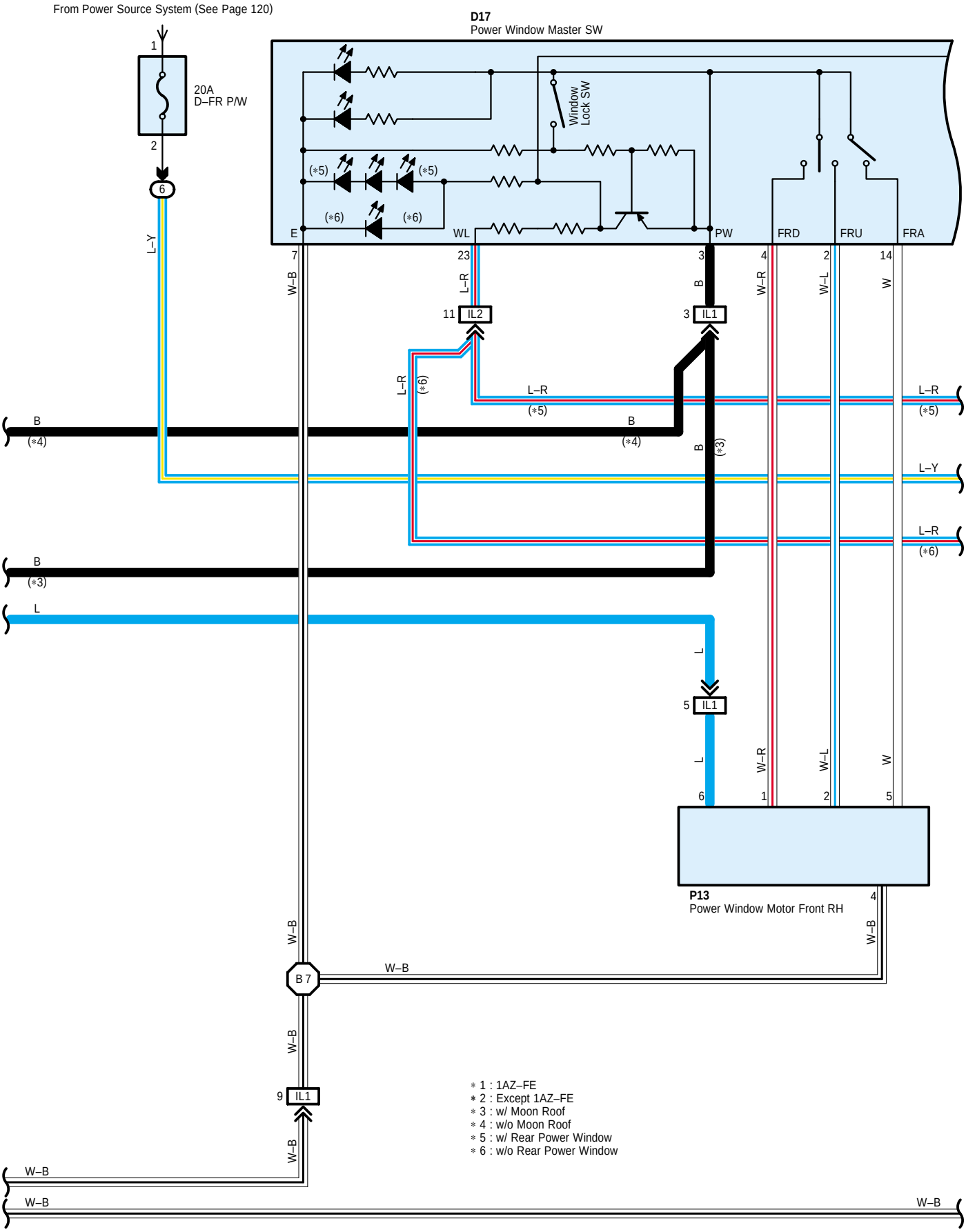
Power Window (LHD)



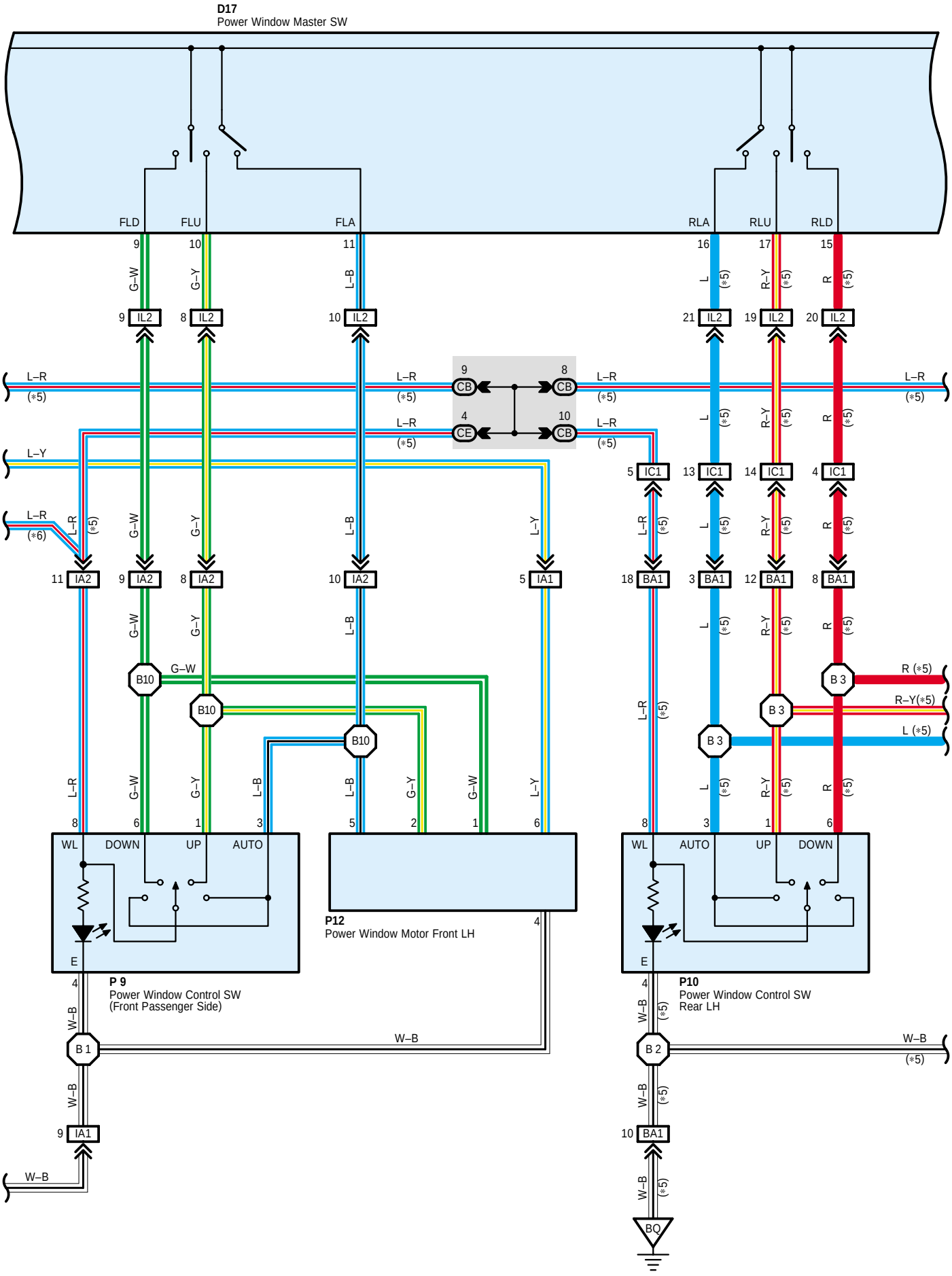

D17
Power Window Master SW
From Power Source System (See Page 120)
20A
D–RR P/W
20A
P–RR P/W
RRA
RRU
RRD
L–W
G–Y
G
L–B
L–R
R (*1)
R–Y(*1)
L (*1)
W–B
WL
AUTO
UP
DOWN
E
P14
Power Window Motor Rear LH
P15
Power Window Motor Rear RH
P11
Power Window Control
SW Rear RH
* 1 : w/ Rear Power Window
* 2 : w/o Rear Power Window

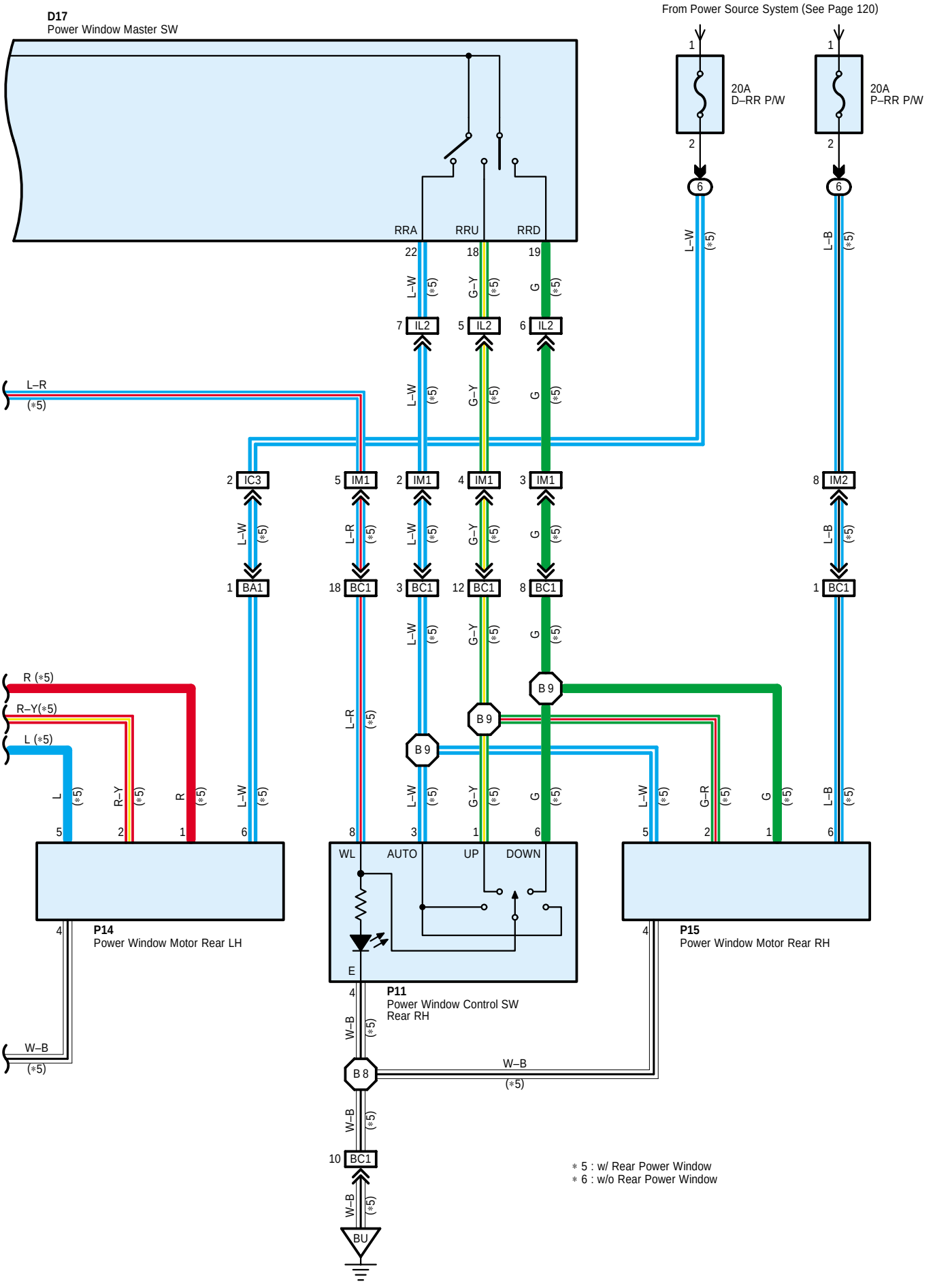
Power Window (RHD)

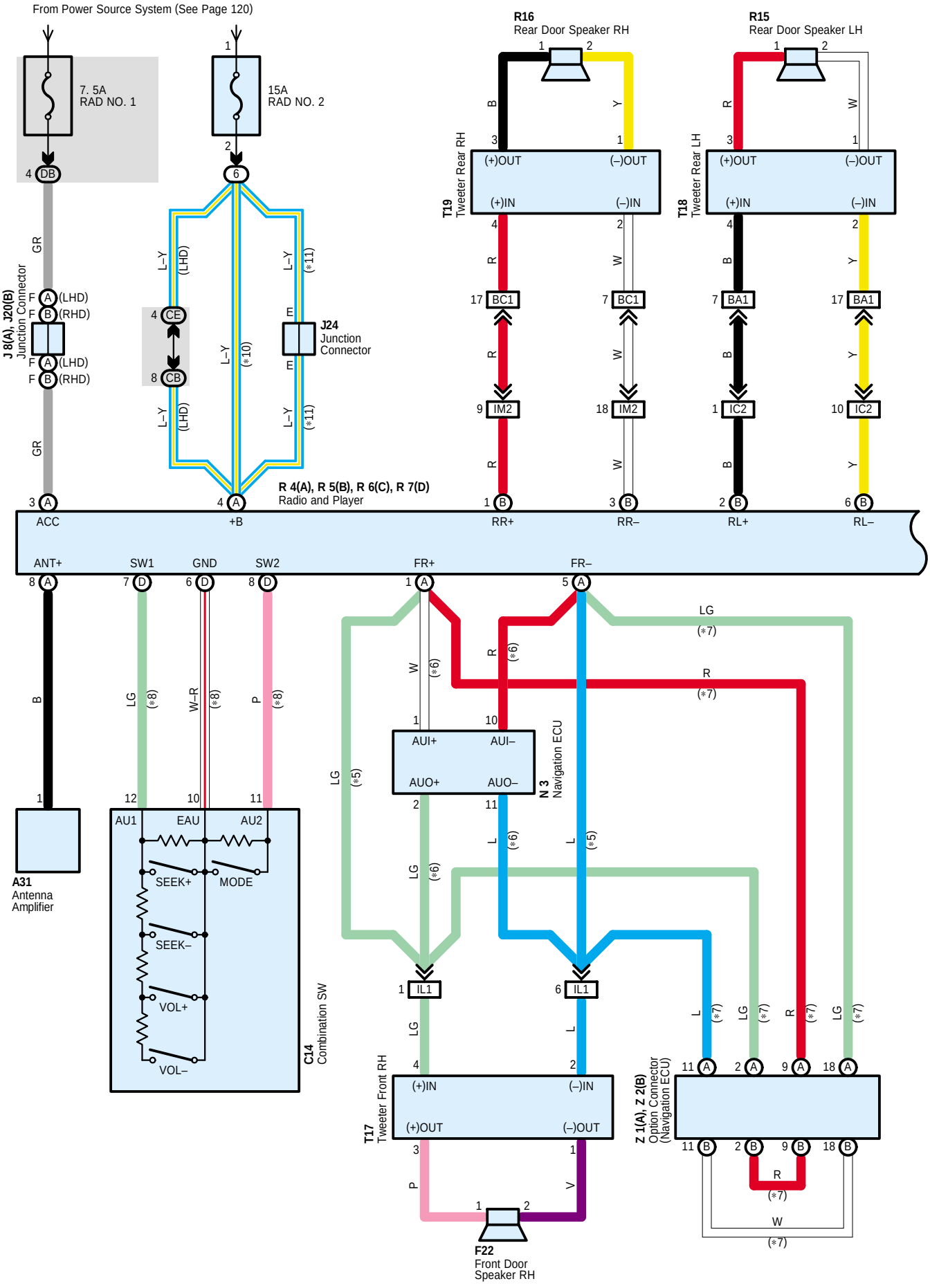



From Power Source System (See Page 120)
D17
Power Window Master SW
20A
D–FR P/W
Window
Lock SW
E
WL
PW
FRD
FRU
FRA
IL2
IL1
P13
Power Window Motor Front RH
B 7
∗ 1 : 1AZ–FE
∗ 2 : Except 1AZ–FE
∗ 3 : w/ Moon Roof
∗ 4 : w/o Moon Roof
∗ 5 : w/ Rear Power Window
∗ 6 : w/o Rear Power Window

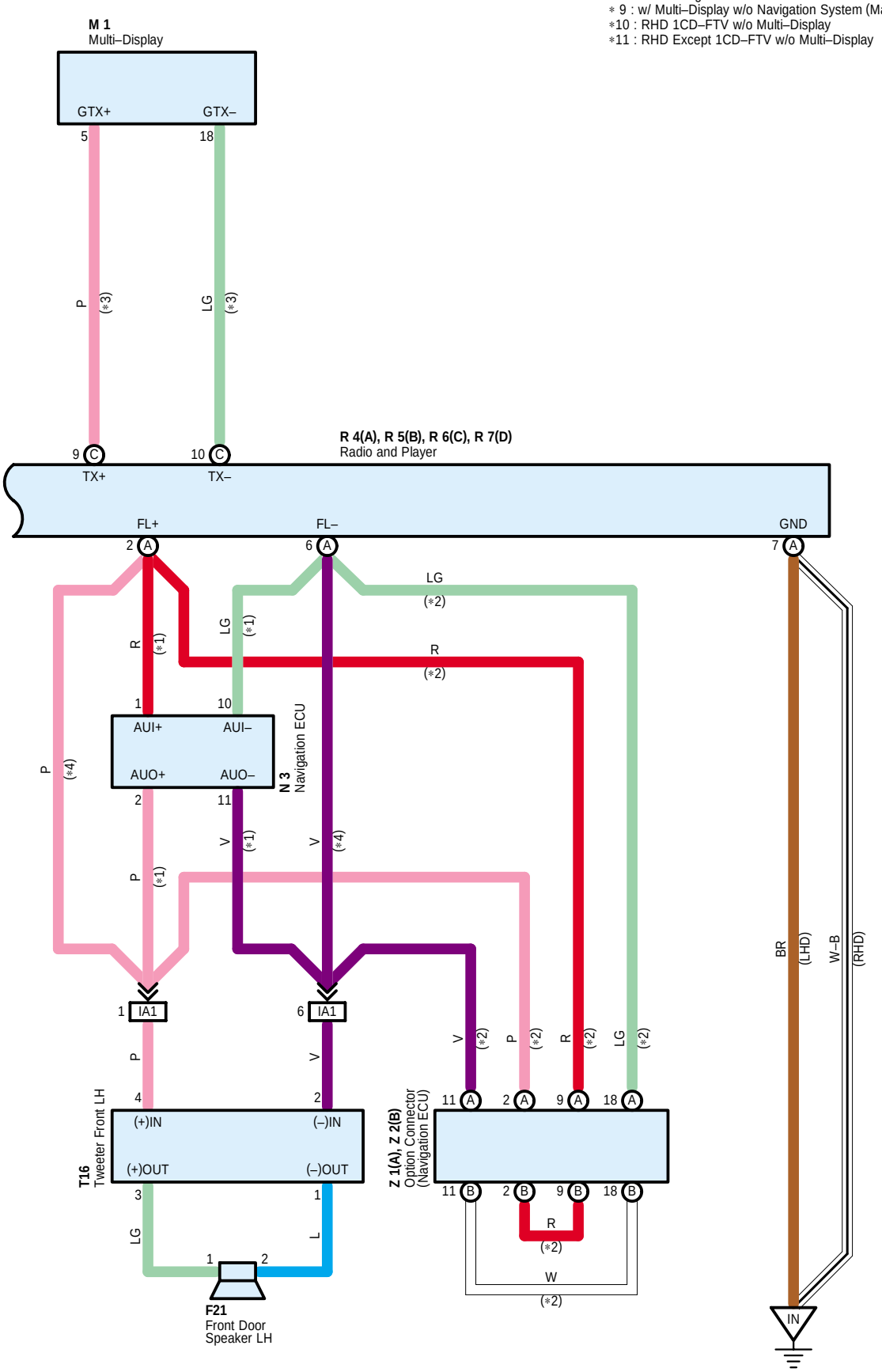
Power Window (RHD)



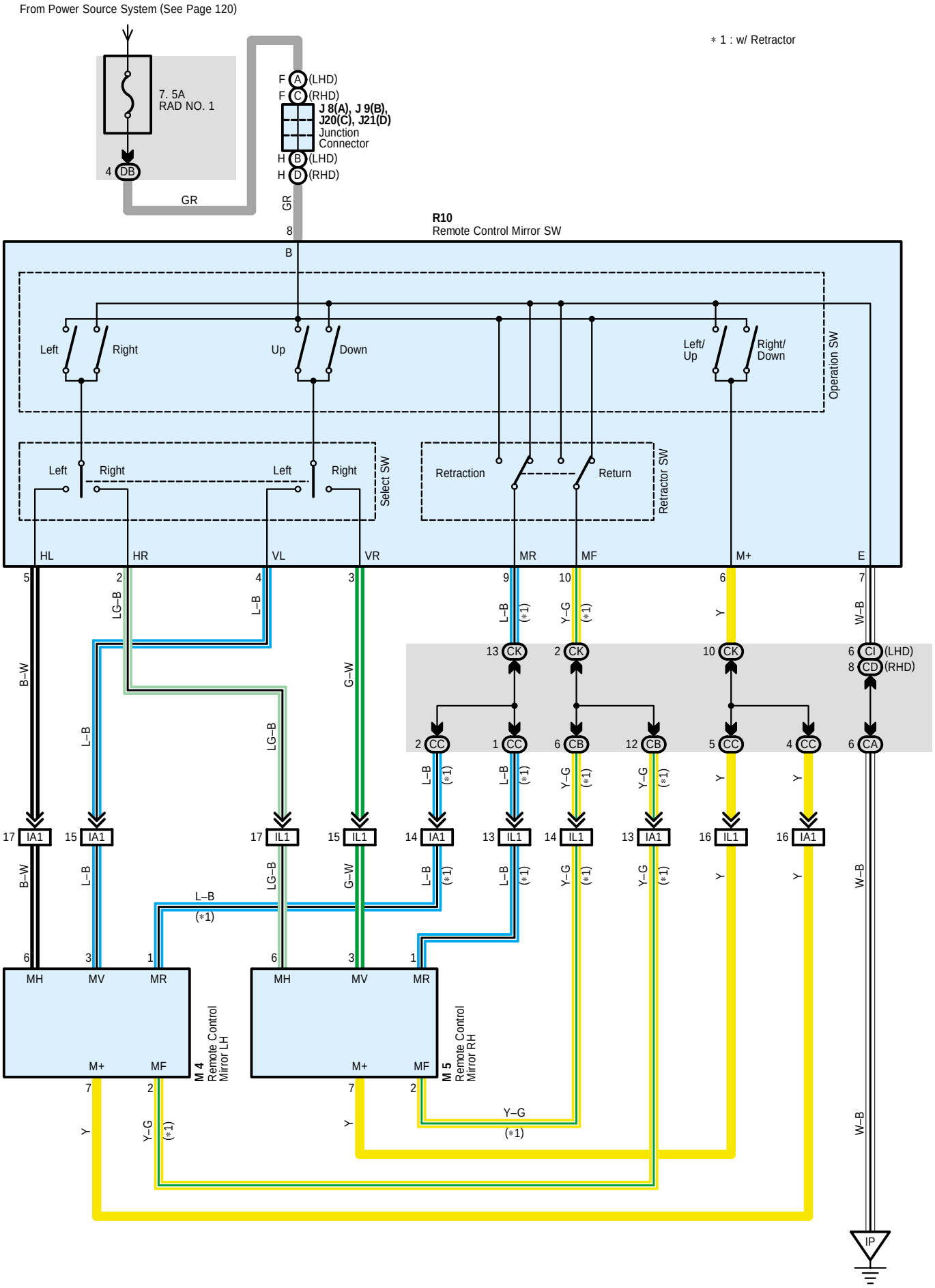

D17
Power Window Master SW
From Power Source System (See Page 120)
20A
D–RR P/W
20A
P–RR P/W
RRA
RRU
RRD
L–W
G–Y
G
L–B
L–R
R (*5)
R–Y(*5)
L (*5)
W–B
WL
AUTO
UP
DOWN
E
P14
Power Window Motor Rear LH
P11
Power Window Control SW
Rear RH
P15
Power Window Motor Rear RH
IC3
IM1
IM2
IL2
BA1
BC1
B 9
B 8
BU
* 5 : w/ Rear Power Window
* 6 : w/o Rear Power Window


From Power Source System (See Page 120)
7. 5A
RAD NO. 1
15A
RAD NO. 2
4 DB
6
GR
L–Y (LHD)
L–Y (*11)
L–Y (*10)
J 8(A), J20(B)
Junction Connector
F A (LHD)
F B (RHD)
4 CE
8 CB
E
J24
Junction
Connector
R16
Rear Door Speaker RH
R15
Rear Door Speaker LH
T19
Tweeter Rear RH
T18
Tweeter Rear LH
(+)OUT
(–)OUT
(+)IN
(–)IN
BC1
BA1
IM2
IC2
R 4(A), R 5(B), R 6(C), R 7(D)
Radio and Player
ACC
+B
RR+
RR–
RL+
RL–
ANT+
SW1
GND
SW2
FR+
FR–
LG (*7)
R (*7)
W (*6)
R (*6)
LG (*5)
AUI+
AUI–
AUO+
AUO–
N 3
Navigation ECU
L (*6)
L (*5)
LG (*6)
A31
Antenna
Amplifier
AU1
EAU
AU2
SEEK+
MODE
SEEK–
VOL+
VOL–
C14
Combination SW
IL1
T17
Tweeter Front RH
P
V
F22
Front Door
Speaker RH
Z 1(A), Z 2(B)
Option Connector
(Navigation ECU)
R (*7)
W (*7)

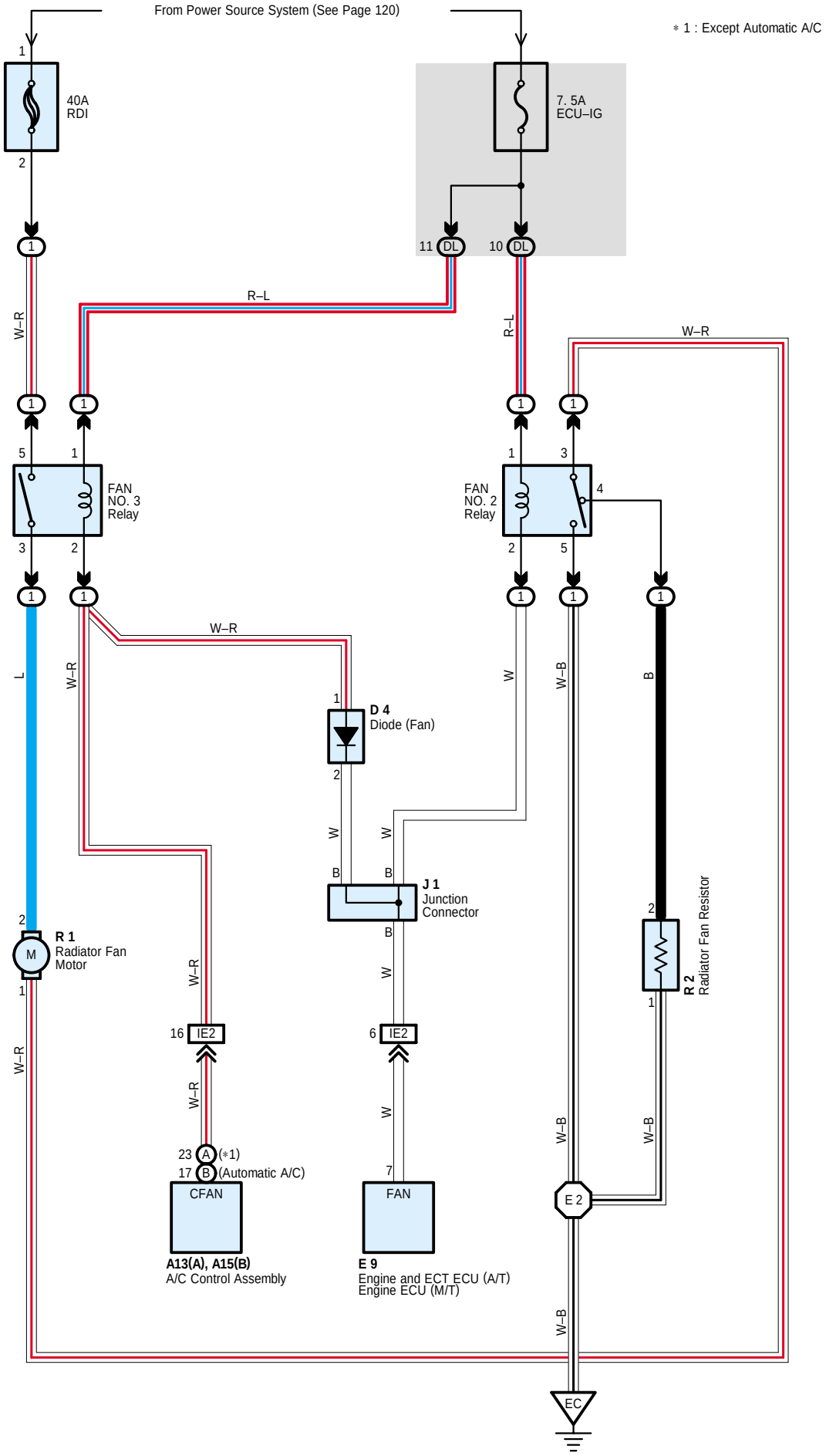
∗1 : LHD ∗3
∗2 : LHD ∗9
∗3 : w/ Navigation System (Map Type)
∗4 : RHD, LHD w/o Multi–Display
∗5 : LHD, RHD w/o Multi–Display
∗6 : RHD ∗3
∗7 : RHD ∗9
∗8 : w/ Steering SW
∗9 : w/ Multi–Display w/o Navigation System (Map Type)
∗10 : RHD 1CD–FTV w/o Multi–Display
∗11 : RHD Except 1CD–FTV w/o Multi–Display



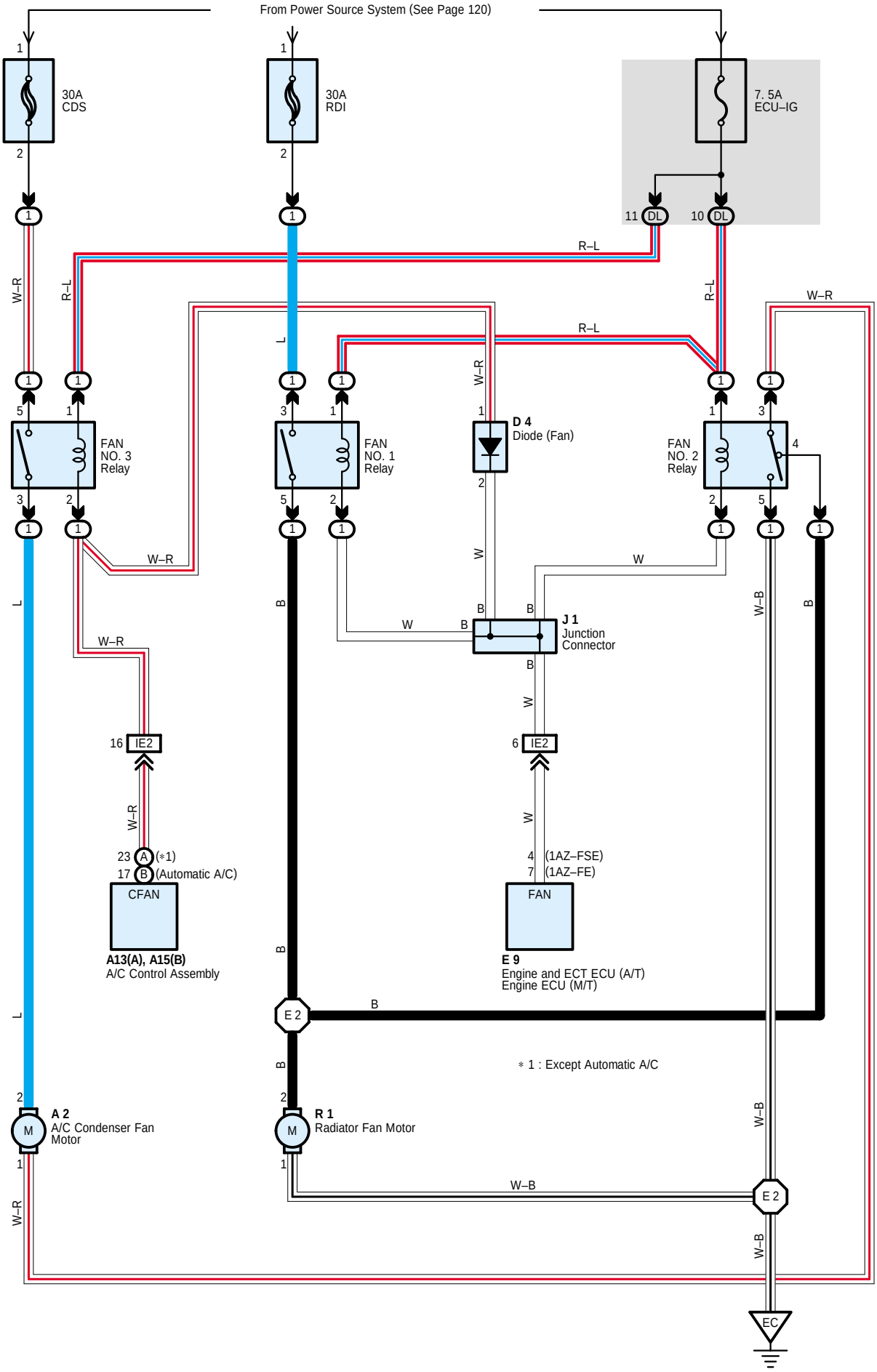
Remote Control Mirror



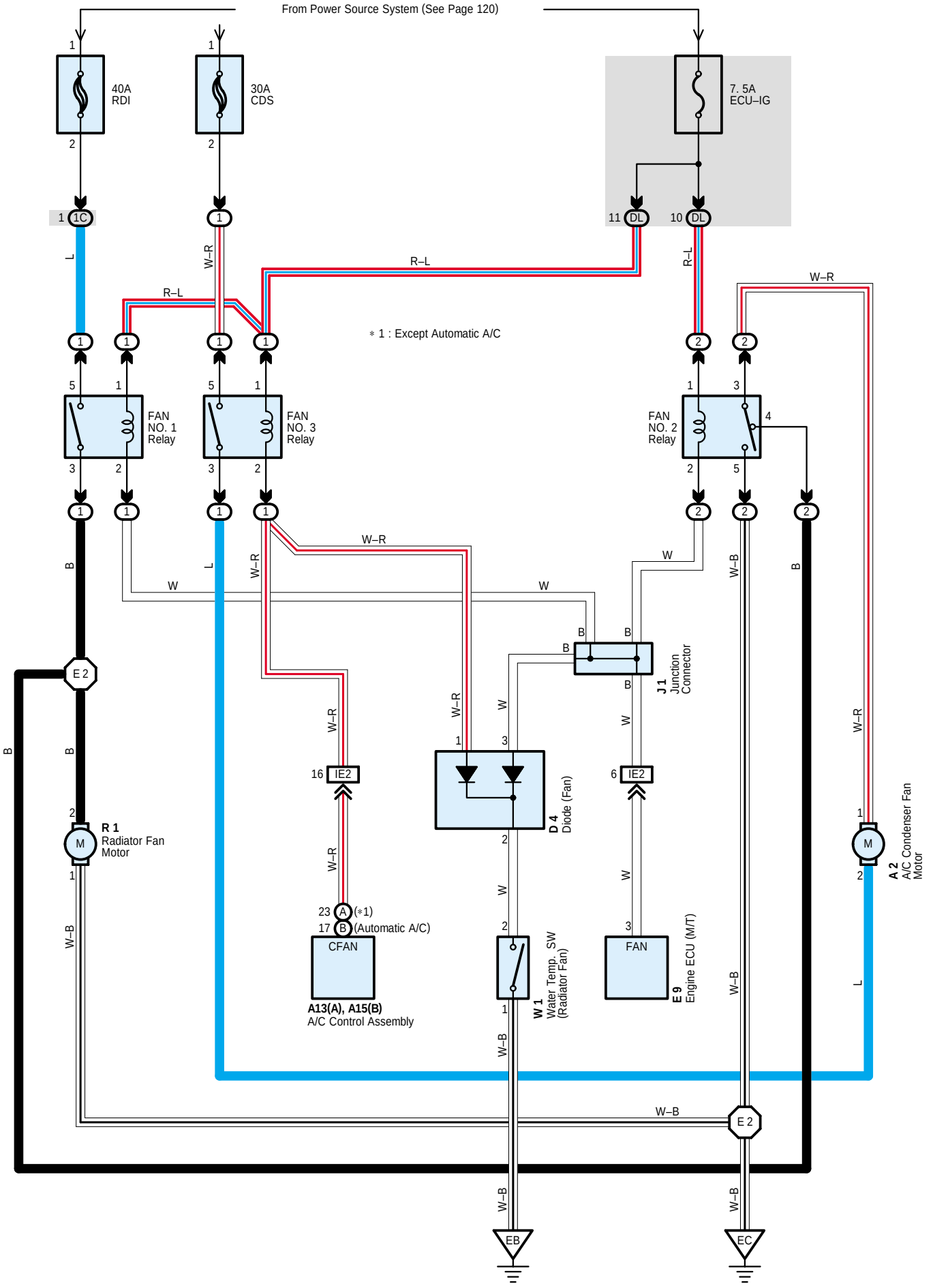
Radiator Fan (1ZZ–FE, 3ZZ–FE)

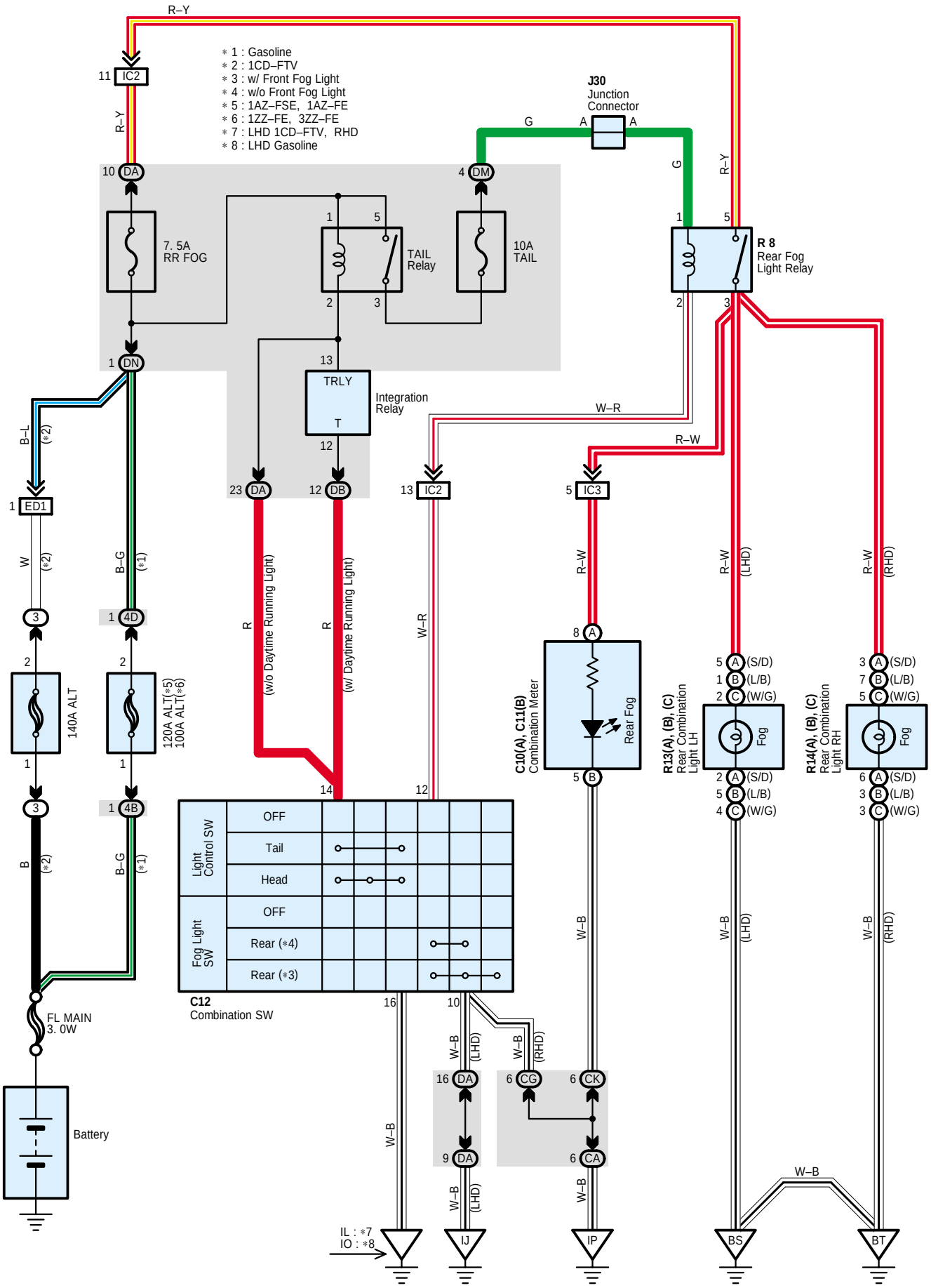


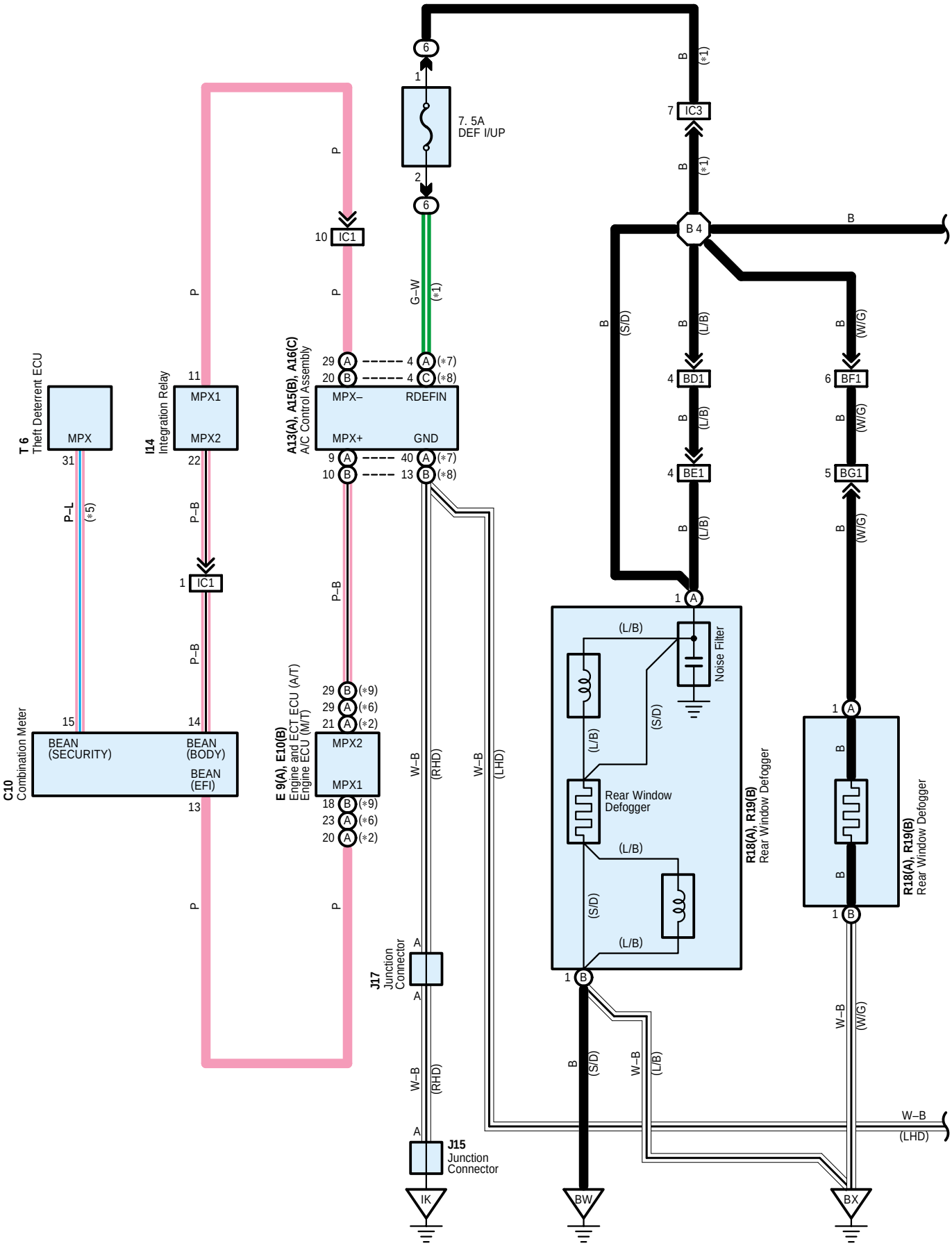
Radiator Fan and Condenser Fan (1AZ–FE, 1AZ–FSE)

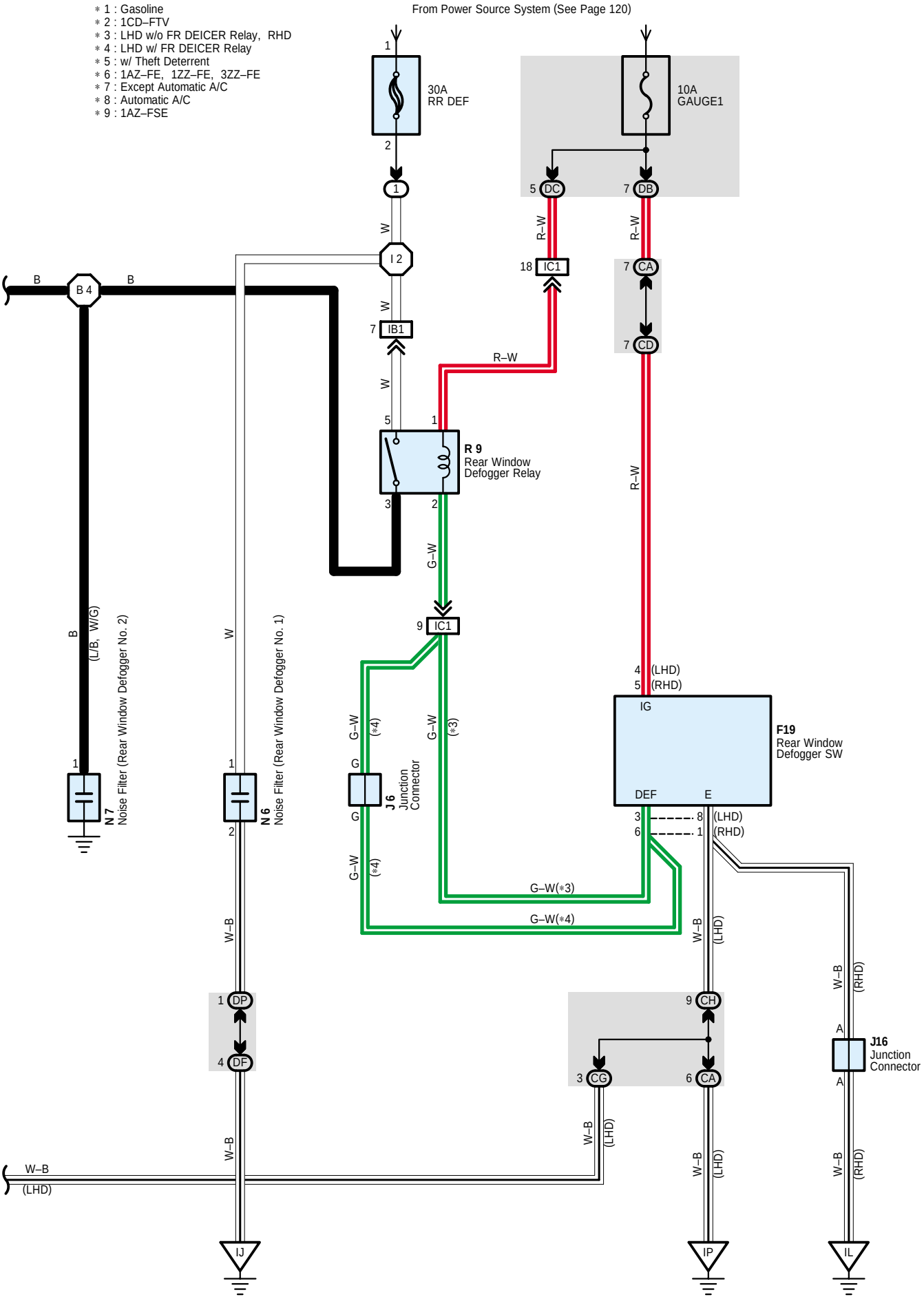


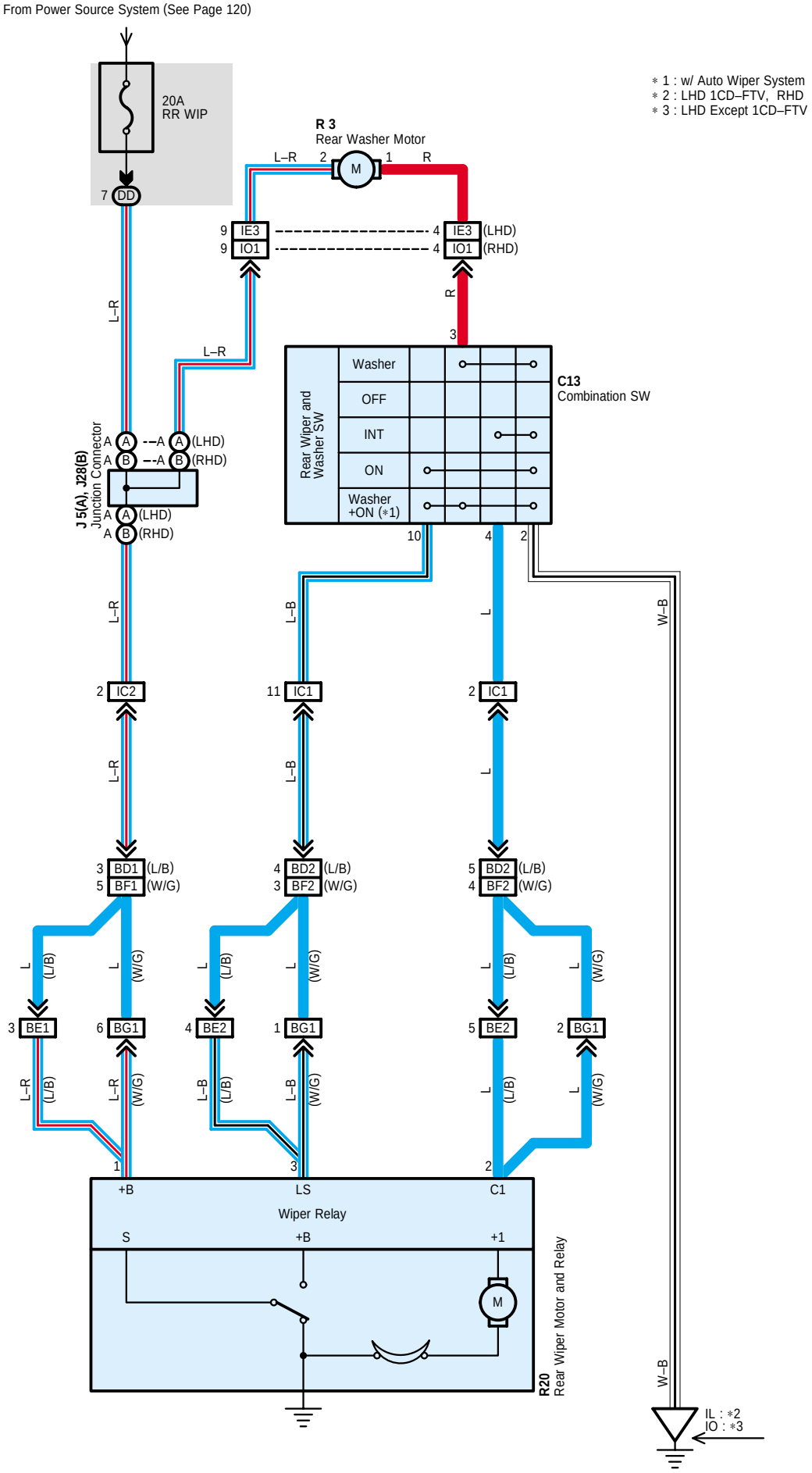
Radiator Fan and Condenser Fan (1CD–FTV)



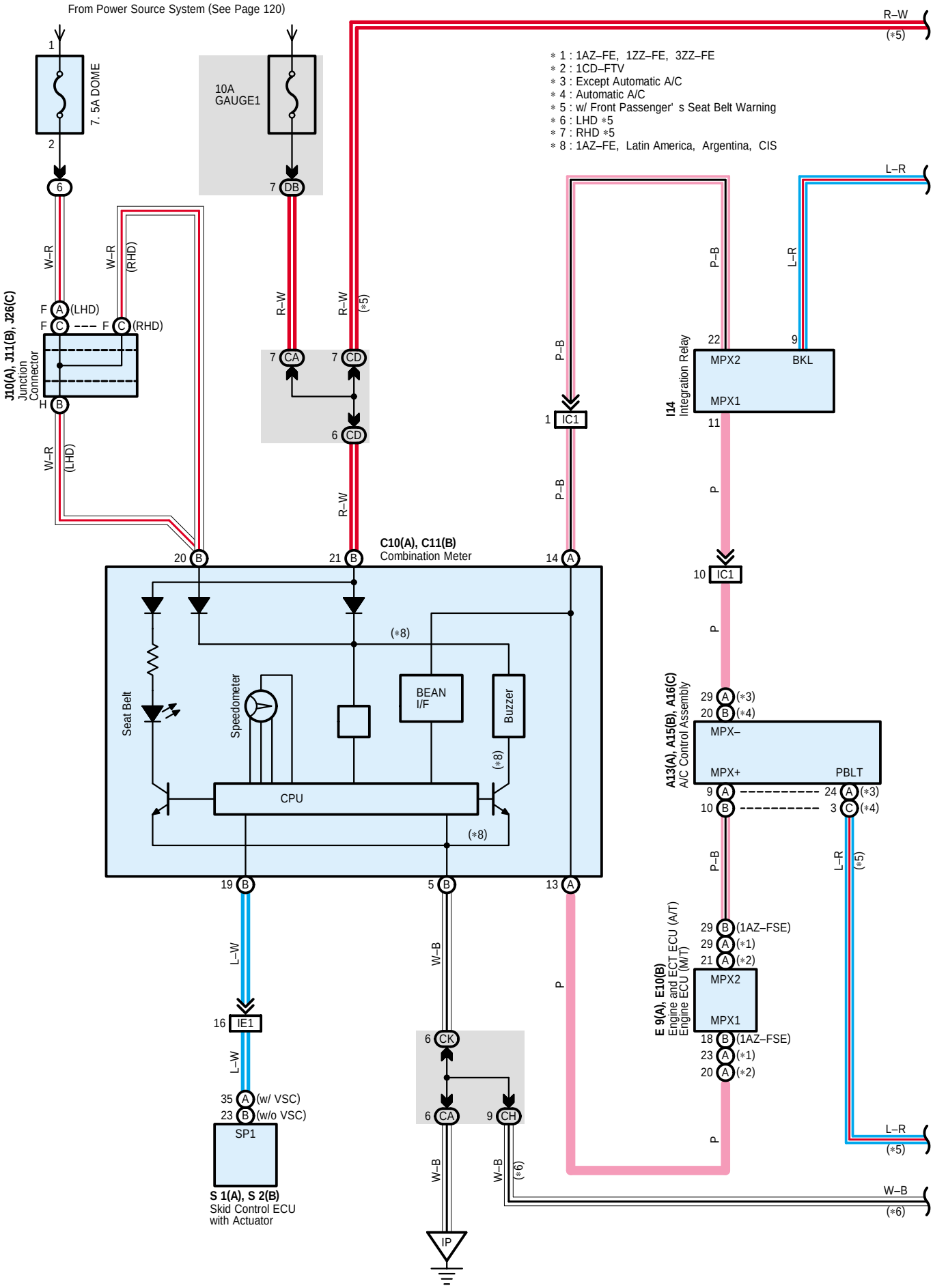

R–Y
∗ 1 : Gasoline
∗ 2 : 1CD–FTV
∗ 3 : w/ Front Fog Light
∗ 4 : w/o Front Fog Light
∗ 5 : 1AZ–FSE, 1AZ–FE
∗ 6 : 1ZZ–FE, 3ZZ–FE
∗ 7 : LHD 1CD–FTV, RHD
∗ 8 : LHD Gasoline
J30
Junction Connector
G
R–Y
7. 5A
RR FOG
TAIL
Relay
10A
TAIL
R 8
Rear Fog
Light Relay
TRLY
Integration
Relay
W–R
R–W
B–L
W
B–G
R
(w/o Daytime Running Light)
(w/ Daytime Running Light)
W–R
R–W
(LHD)
R–W
(RHD)
140A ALT
120A ALT(∗5)
100A ALT(∗6)
C10(A), C11(B)
Combination Meter
Rear Fog
R13(A), (B), (C)
Rear Combination
Light LH
Fog
R14(A), (B), (C)
Rear Combination
Light RH
Fog
(S/D)
(L/B)
(W/G)
C12
Combination SW
Light
Control SW
OFF
Tail
Head
Fog Light
SW
OFF
Rear (∗4)
Rear (∗3)
W–B
(LHD)
W–B
(RHD)
FL MAIN
3. 0W
Battery
IL : ∗7
IO : ∗8
IJ
IP
BS
BT

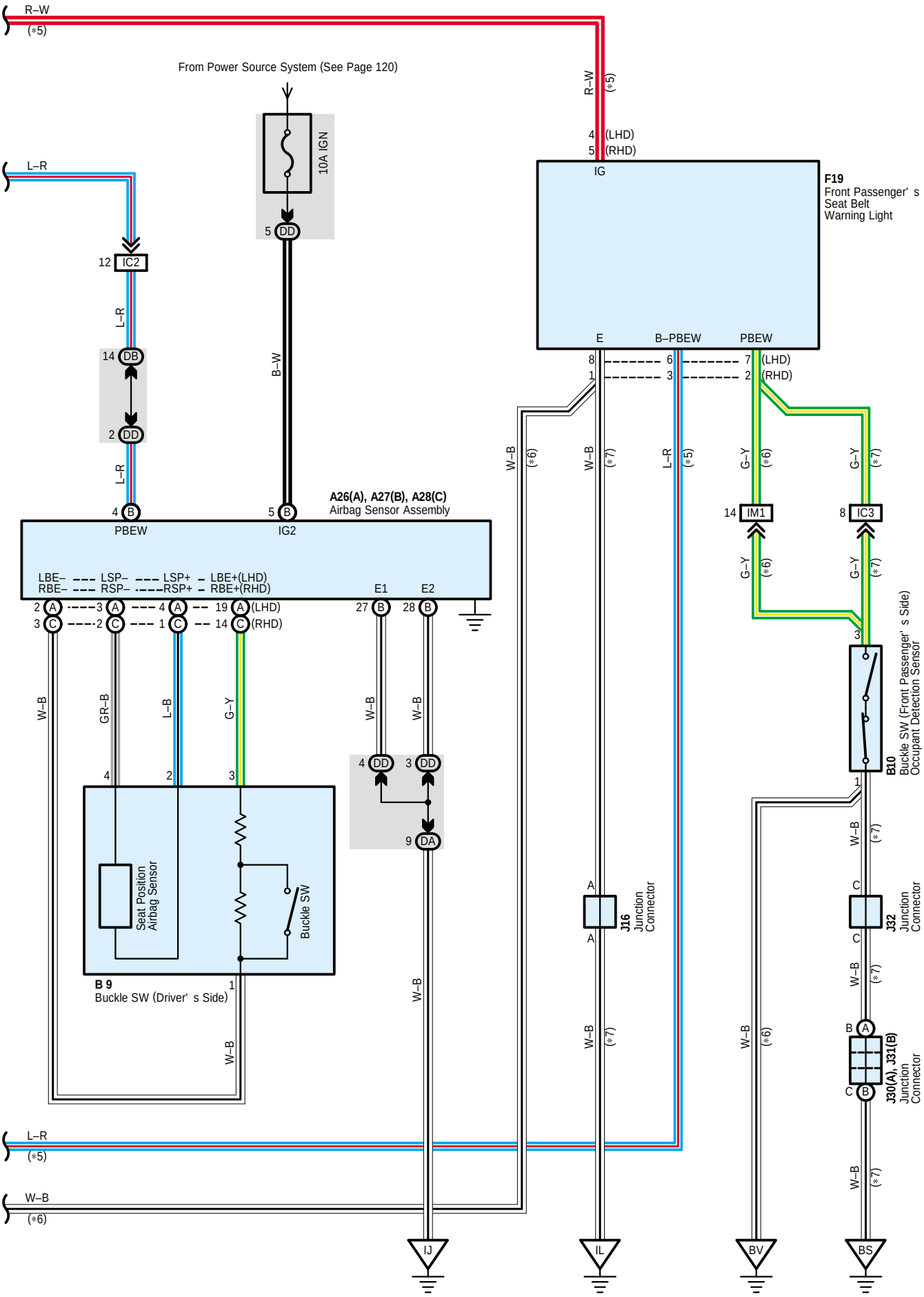

7. 5A
DEF I/UP
IC3
IC1
B 4
BD1
BE1
BF1
BG1
A13(A), A15(B), A16(C)
A/C Control Assembly
MPX–
RDEFIN
MPX+
GND
T 6
Theft Deterrent ECU
MPX
I14
Integration Relay
MPX1
MPX2
C10
Combination Meter
BEAN (SECURITY)
BEAN (BODY)
BEAN (EFI)
E 9(A), E10(B)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
MPX2
MPX1
J17
Junction Connector
J15
Junction Connector
Noise Filter
Rear Window Defogger
R18(A), R19(B)
Rear Window Defogger
IK
BW
BX
W–B (RHD)
W–B (LHD)
P–L
P–B
G–W
B (S/D)
B (L/B)
B (W/G)

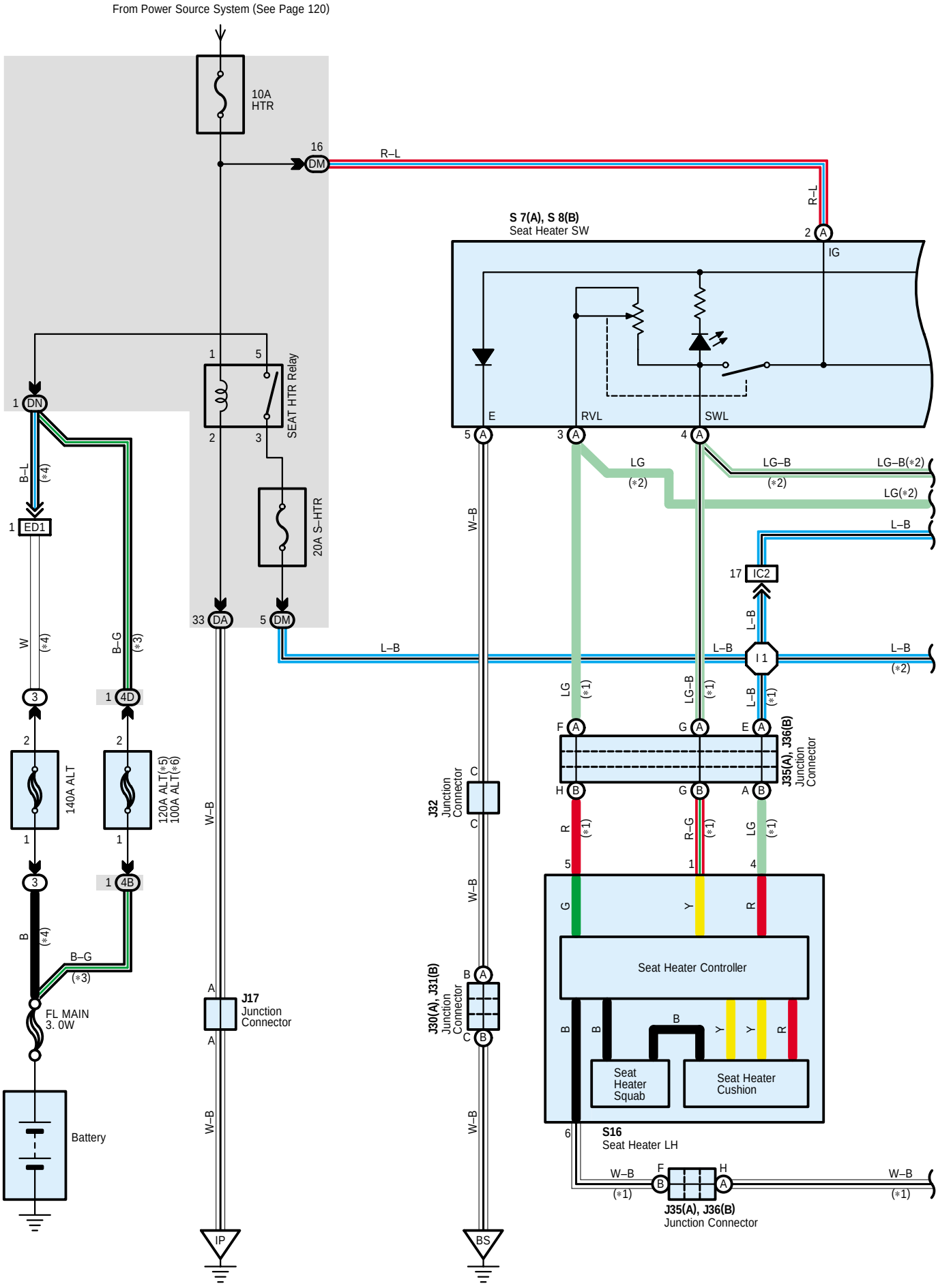

∗ 1 : Gasoline
∗ 2 : 1CD–FTV
∗ 3 : LHD w/o FR DEICER Relay, RHD
∗ 4 : LHD w/ FR DEICER Relay
∗ 5 : w/ Theft Deterrent
∗ 6 : 1AZ–FE, 1ZZ–FE, 3ZZ–FE
∗ 7 : Except Automatic A/C
∗ 8 : Automatic A/C
∗ 9 : 1AZ–FSE
From Power Source System (See Page 120)
30A
RR DEF
10A
GAUGE1
I 2
IB1
IC1
R 9
Rear Window
Defogger Relay
B 4
N 7
Noise Filter (Rear Window Defogger No. 2)
N 6
Noise Filter (Rear Window Defogger No. 1)
J 6
Junction
Connector
F19
Rear Window
Defogger SW
J16
Junction
Connector
DP
DF
DC
DB
CA
CD
CG
CH
IG
DEF
E
IJ
IP
IL
B
W
R–W
G–W
W–B
(L/B, W/G)
(LHD)
(RHD)
G–W(∗3)
G–W(∗4)


From Power Source System (See Page 120)
20A
RR WIP
7 DD
R 3
Rear Washer Motor
L–R
2
M
1
R
9 IE3
9 IO1
4 IE3 (LHD)
4 IO1 (RHD)
L–R
R
3
L–R
Rear Wiper and Washer SW
Washer
OFF
INT
ON
Washer +ON (*1)
C13
Combination SW
10
4
2
J 5(A), J28(B)
Junction Connector
A A (LHD)
A B (RHD)
A A (LHD)
A B (RHD)
L–R
L–B
L
W–B
2 IC2
11 IC1
2 IC1
L–R
L–B
L
3 BD1 (L/B)
5 BF1 (W/G)
4 BD2 (L/B)
3 BF2 (W/G)
5 BD2 (L/B)
4 BF2 (W/G)
L (L/B)
L (W/G)
3 BE1
6 BG1
4 BE2
1 BG1
5 BE2
2 BG1
L–R (L/B)
L–R (W/G)
L–B (L/B)
L–B (W/G)
L (L/B)
L (W/G)
1
3
2
+B
LS
C1
Wiper Relay
S
+B
+1
M
R20
Rear Wiper Motor and Relay
W–B
IL : *2
IO : *3
* 1 : w/ Auto Wiper System
* 2 : LHD 1CD–FTV, RHD
* 3 : LHD Except 1CD–FTV

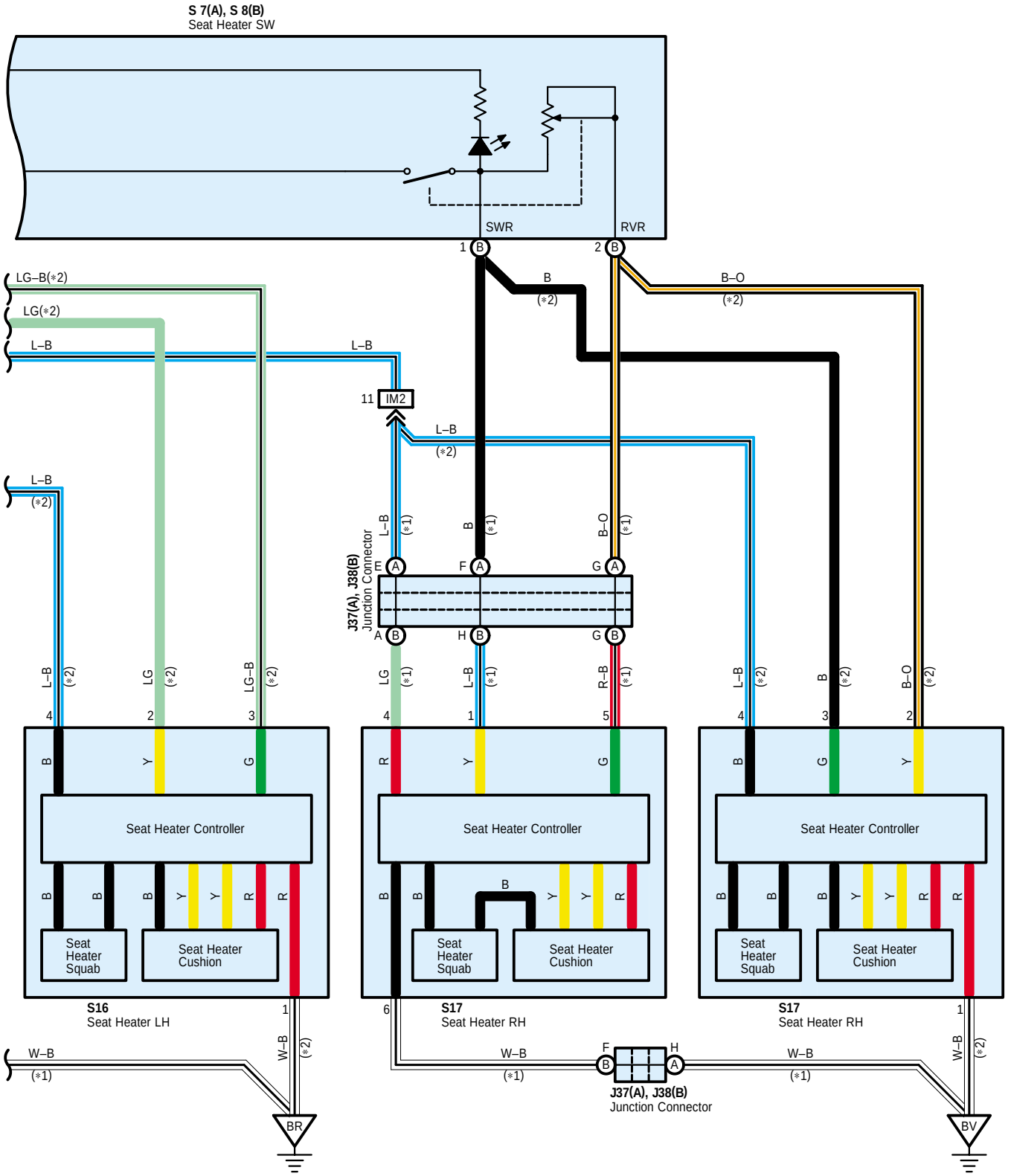
Seat Belt Warning




R–W
(*5)
From Power Source System (See Page 120)
10A IGN
5 DD
L–R
12 IC2
14 DB
2 DD
L–R
4 B
PBEW
B–W
5 B
IG2
A26(A), A27(B), A28(C)
Airbag Sensor Assembly
LBE– LSP– LSP+ LBE+(LHD)
RBE– RSP– RSP+ RBE+(RHD)
2 A 3 C
3 A 2 C
4 A 1 C
19 A 14 C
(LHD)
(RHD)
E1
E2
27 B
28 B
W–B
GR–B
L–B
G–Y
4
2
3
4 DD
3 DD
9 DA
Seat Position Airbag Sensor
Buckle SW
B 9
Buckle SW (Driver' s Side)
1
W–B
W–B
R–W
(*5)
4 (LHD)
5 (RHD)
IG
F19
Front Passenger' s Seat Belt Warning Light
E
B–PBEW
PBEW
8 6 7 (LHD)
1 3 2 (RHD)
W–B
(*6)
W–B
(*7)
L–R
(*5)
G–Y
(*6)
G–Y
(*7)
14 IM1
8 IC3
G–Y
(*6)
G–Y
(*7)
3
B10
Buckle SW (Front Passenger' s Side)
Occupant Detection Sensor
1
W–B
(*7)
A
A
J16
Junction Connector
C
C
J32
Junction Connector
W–B
(*7)
W–B
(*7)
W–B
(*6)
B A
C B
J30(A), J31(B)
Junction Connector
W–B
(*7)
L–R
(*5)
W–B
(*6)
IJ
IL
BV
BS

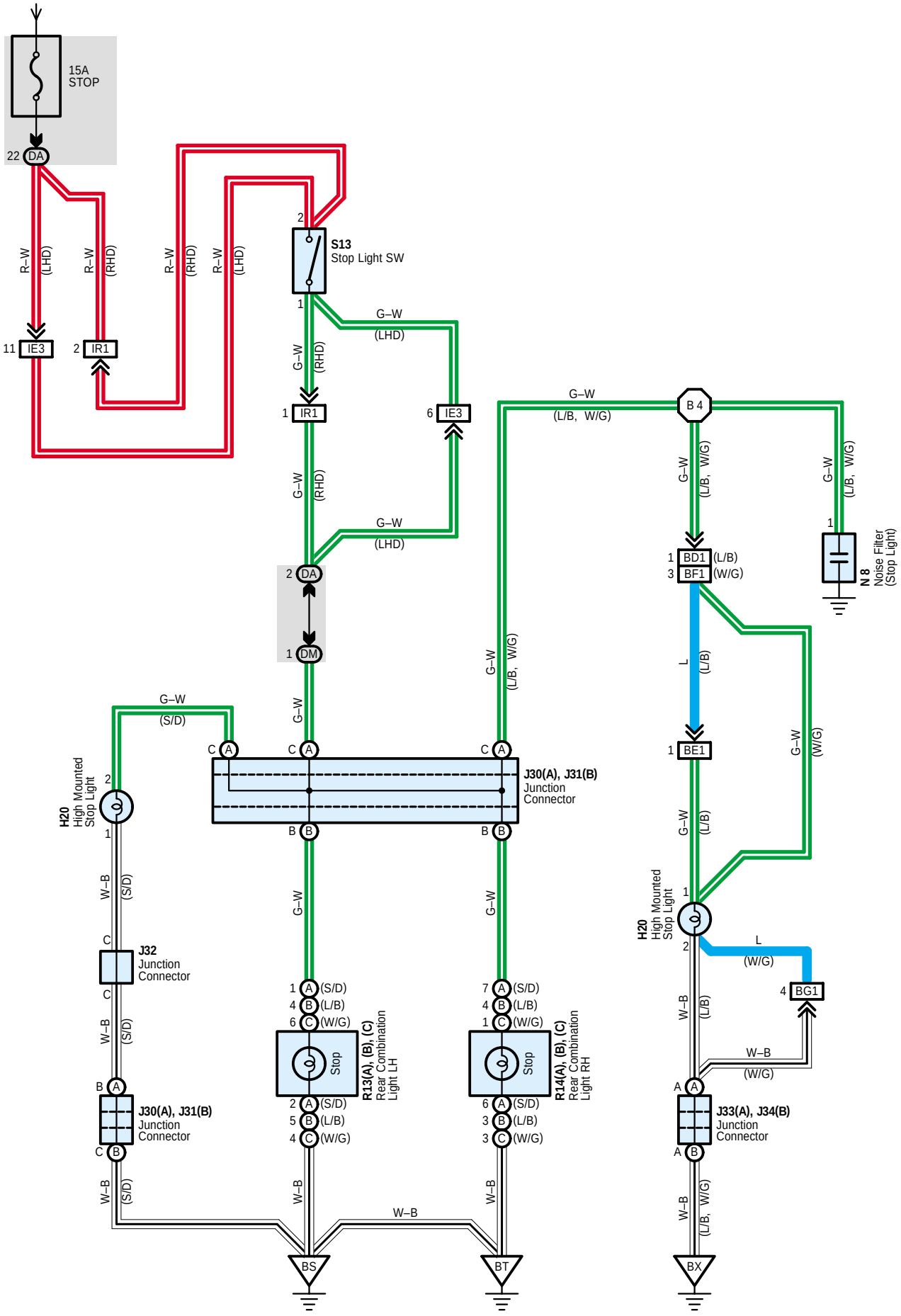

From Power Source System (See Page 120)
10A HTR
16 DM
R–L
S 7(A), S 8(B)
Seat Heater SW
2 A
IG
E
RVL
SWL
5 A
3 A
4 A
SEAT HTR Relay
20A S–HTR
1 DN
B–L (*4)
1 ED1
W (*4)
B–G (*3)
3
1 4D
2
140A ALT
120A ALT(*5)
100A ALT(*6)
1
3
1 4B
B (*4)
B–G (*3)
FL MAIN 3. 0W
Battery
33 DA
5 DM
W–B
J17 Junction Connector
IP
L–B
LG (*2)
LG–B (*2)
LG–B(*2)
LG(*2)
17 IC2
I 1
LG (*1)
LG–B (*1)
F A
G A
E A
J35(A), J36(B) Junction Connector
H B
G B
A B
J32 Junction Connector
C
R (*1)
R–G (*1)
5
1
4
G
Y
R
Seat Heater Controller
B
Y
Seat Heater Squab
Seat Heater Cushion
J30(A), J31(B) Junction Connector
BS
6
S16
Seat Heater LH
W–B (*1)
J35(A), J36(B) Junction Connector

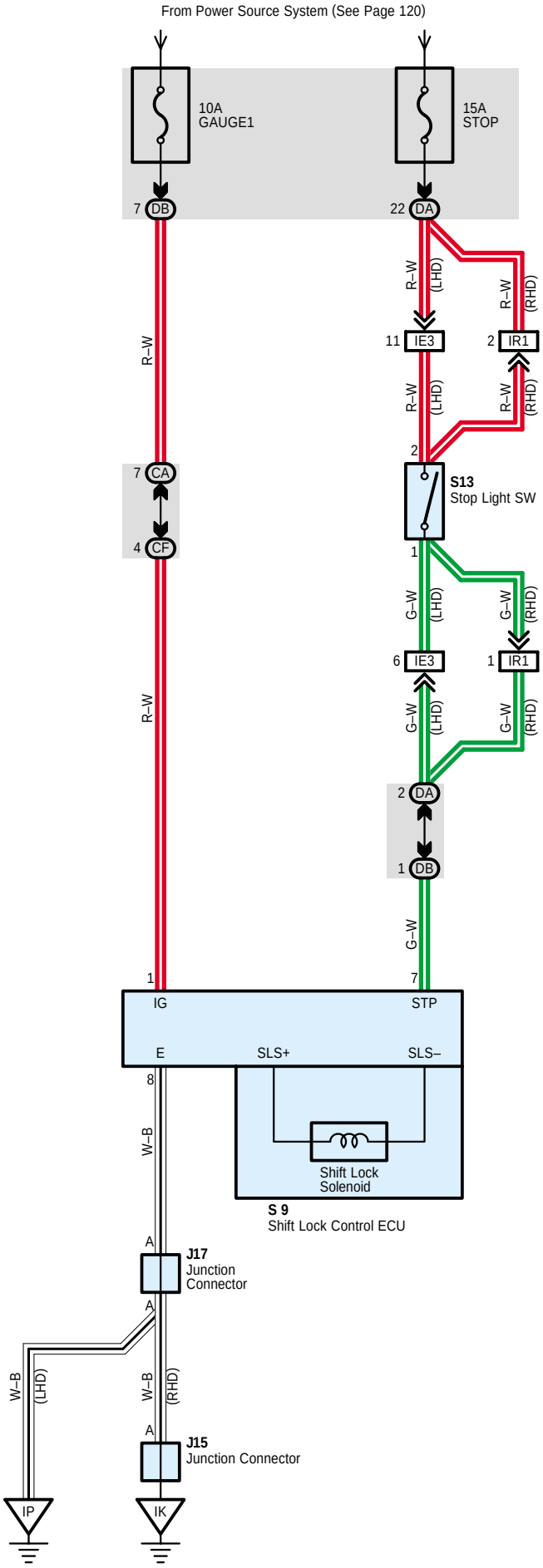
∗ 1 : w/ Power Seat
∗ 2 : w/o Power Seat
∗ 3 : Gasoline
∗ 4 : 1CD–FTV
∗ 5 : 1AZ–FSE, 1AZ–FE
∗ 6 : 1ZZ–FE, 3ZZ–FE

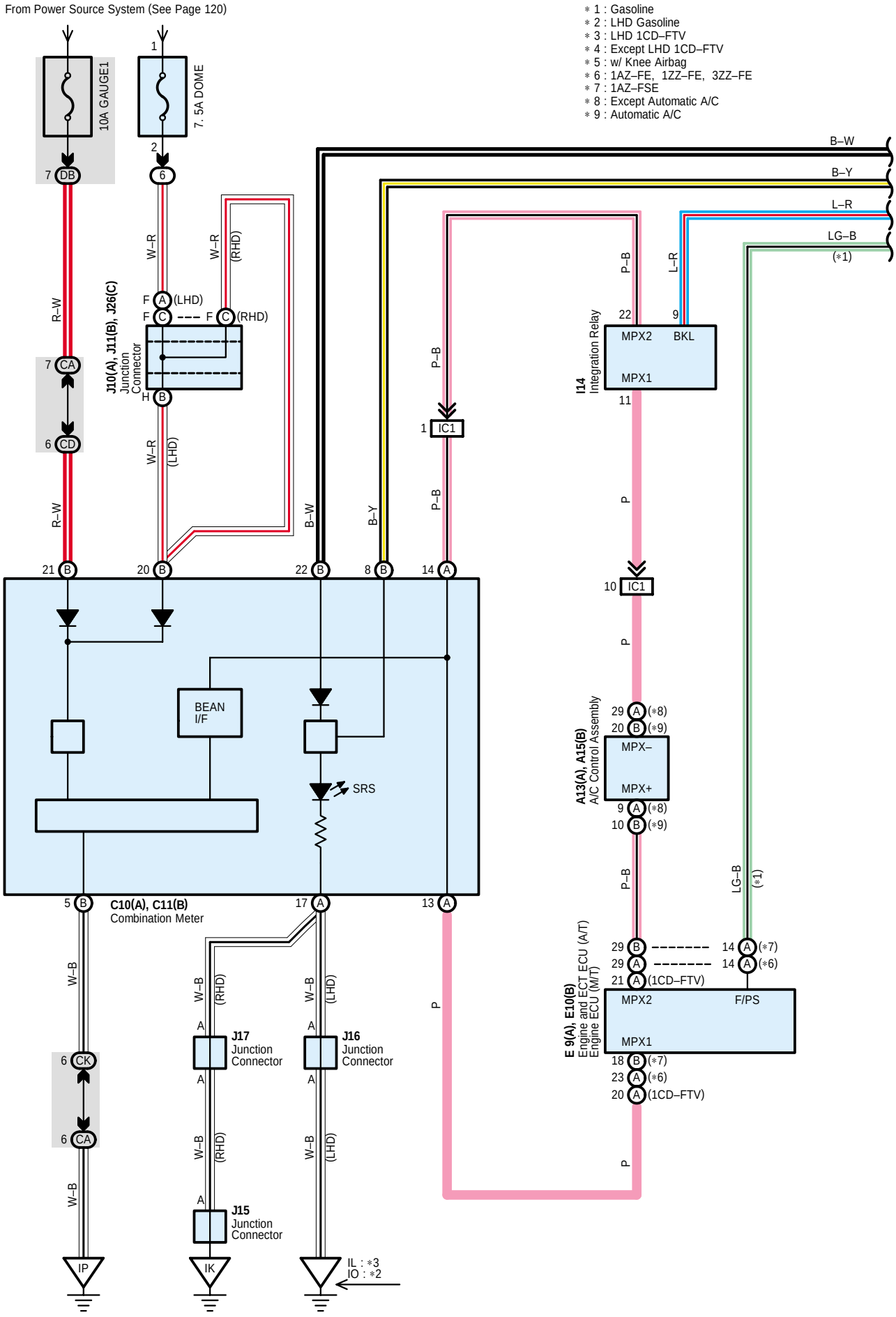


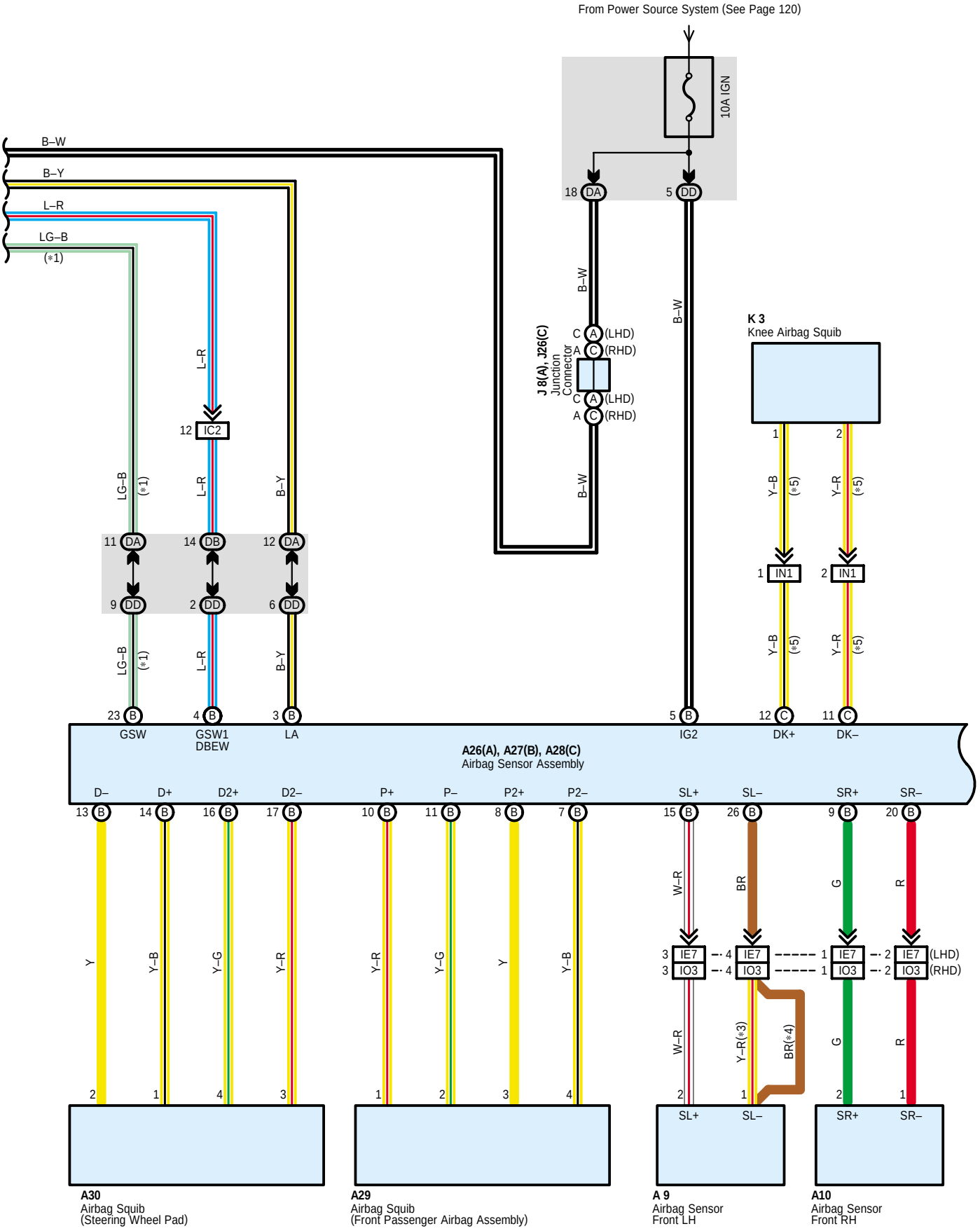
Stop Light

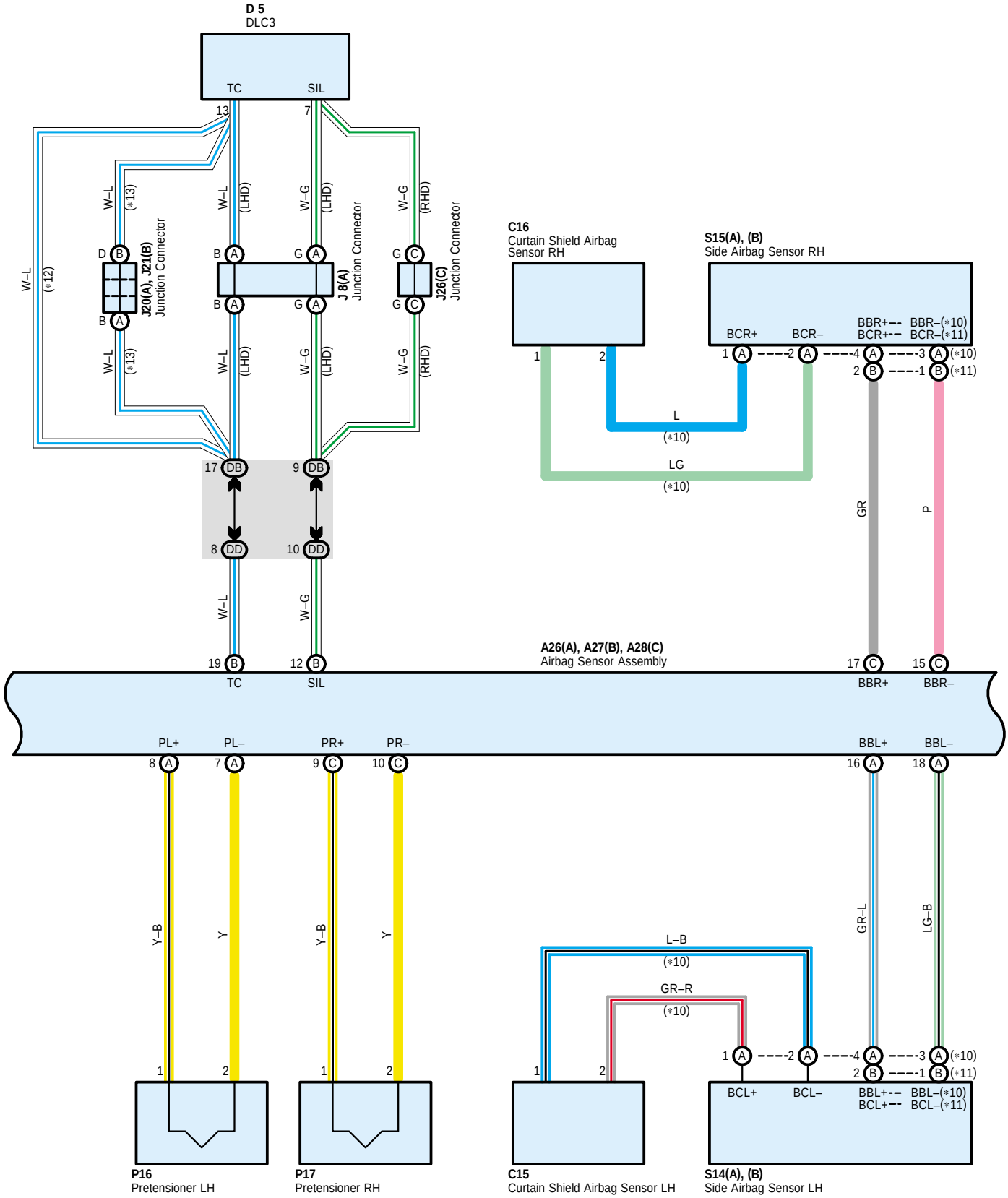
From Power Source System (See Page 120)



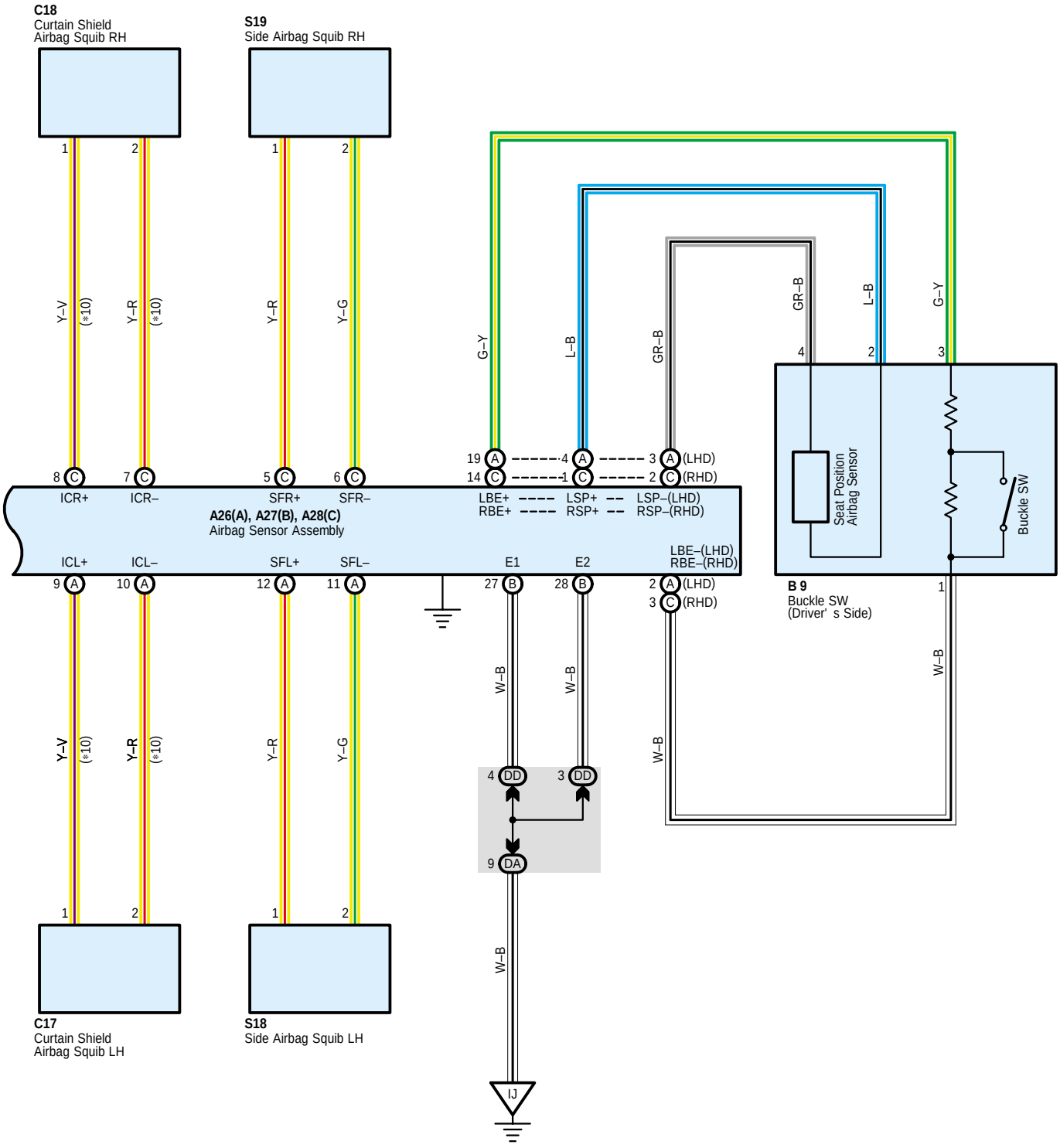

From Power Source System (See Page 120)
10A
GAUGE1
15A
STOP
7 DB
22 DA
R–W
R–W (LHD)
R–W (RHD)
11 IE3
2 IR1
R–W (LHD)
R–W (RHD)
2
7 CA
4 CF
S13
Stop Light SW
1
G–W
G–W (LHD)
G–W (RHD)
6 IE3
1 IR1
G–W (LHD)
G–W (RHD)
2 DA
1 DB
G–W
1
7
IG
STP
E
SLS+
SLS–
8
W–B
Shift Lock
Solenoid
S 9
Shift Lock Control ECU
A
J17
Junction
Connector
A
W–B
(LHD)
W–B
(RHD)
A
J15
Junction Connector
IP
IK

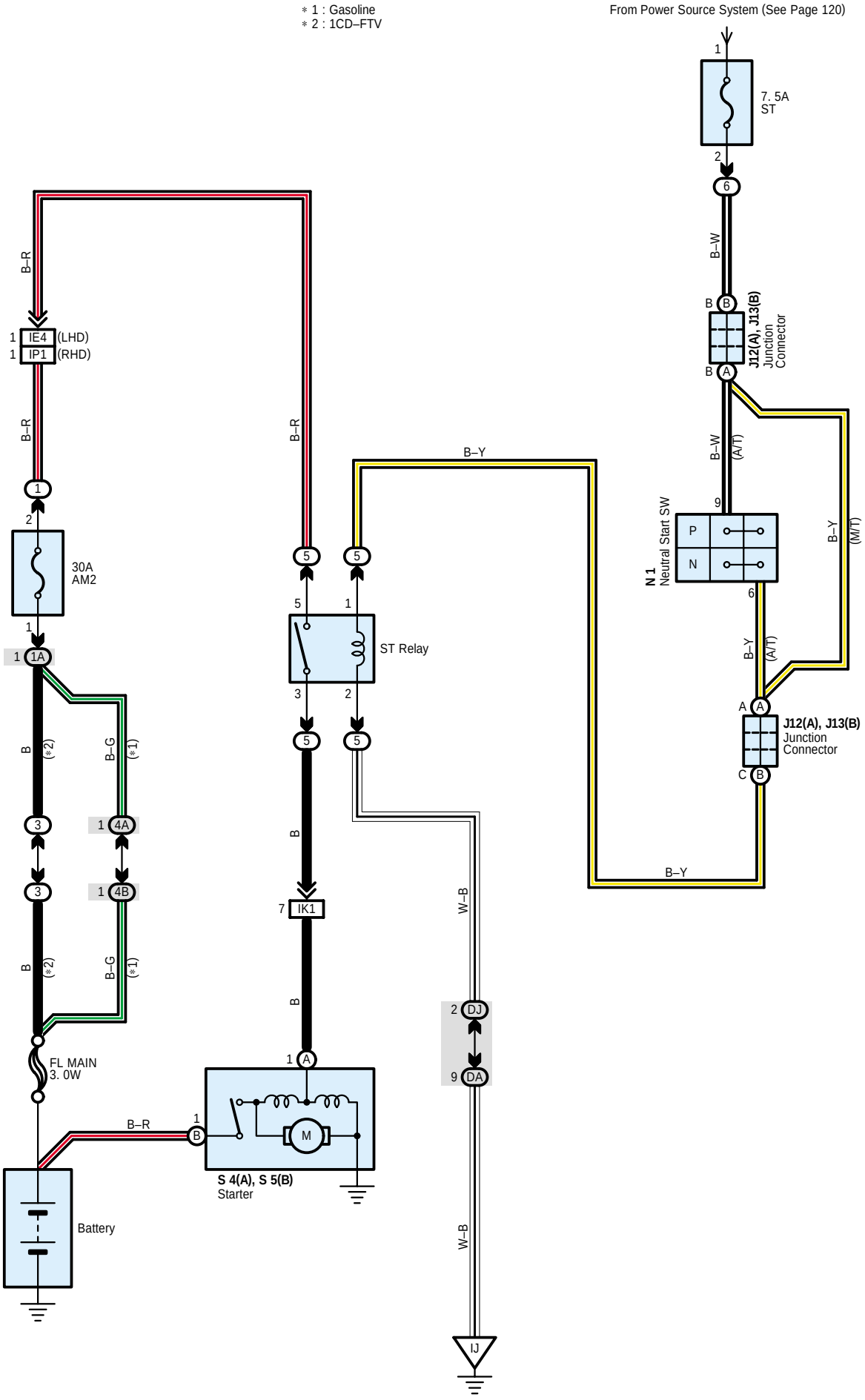

From Power Source System (See Page 120)
∗ 1 : Gasoline
∗ 2 : LHD Gasoline
∗ 3 : LHD 1CD–FTV
∗ 4 : Except LHD 1CD–FTV
∗ 5 : w/ Knee Airbag
∗ 6 : 1AZ–FE, 1ZZ–FE, 3ZZ–FE
∗ 7 : 1AZ–FSE
∗ 8 : Except Automatic A/C
∗ 9 : Automatic A/C
10A GAUGE1
7. 5A DOME
J10(A), J11(B), J26(C) Junction Connector
I14 Integration Relay
MPX2
BKL
MPX1
IC1
BEAN I/F
SRS
C10(A), C11(B) Combination Meter
A13(A), A15(B) A/C Control Assembly
MPX–
MPX+
E 9(A), E10(B) Engine and ECT ECU (A/T) Engine ECU (M/T)
F/PS
J17 Junction Connector
J16 Junction Connector
J15 Junction Connector
IP
IK
IL : ∗3
IO : ∗2
B–W
B–Y
L–R
LG–B
R–W
W–R
W–B
P–B
P
(RHD)
(LHD)
(1CD–FTV)

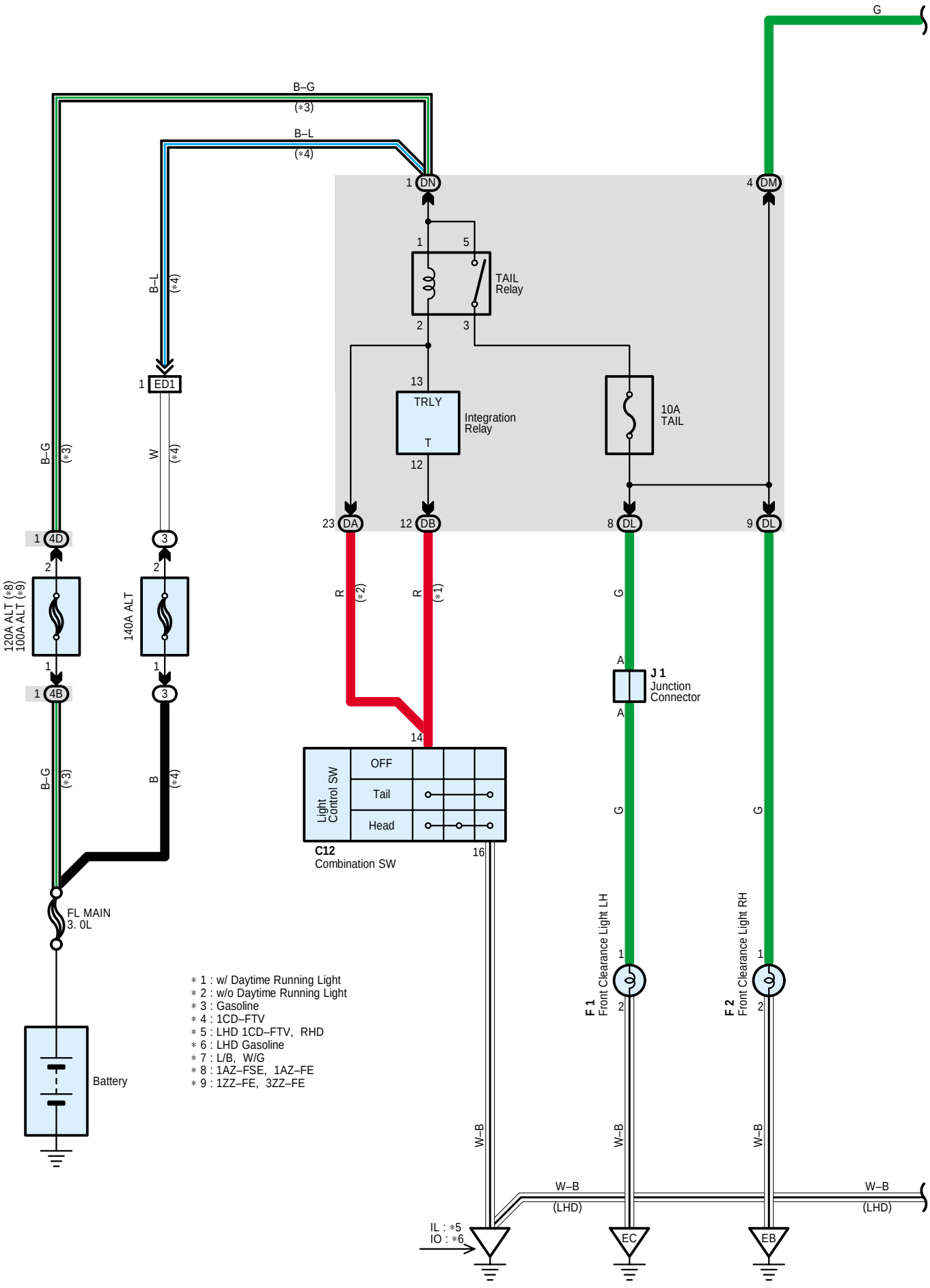

From Power Source System (See Page 120)
10A IGN
18 DA
5 DD
B–W
B–Y
L–R
LG–B
(*1)
J 8(A), J26(C)
Junction Connector
C A (LHD)
A C (RHD)
C A (LHD)
A C (RHD)
K 3
Knee Airbag Squib
1
2
Y–B (*5)
Y–R (*5)
1 IN1
2 IN1
12 IC2
11 DA
14 DB
12 DA
9 DD
2 DD
6 DD
23 B GSW
4 B GSW1 DBEW
3 B LA
5 B IG2
12 C DK+
11 C DK–
A26(A), A27(B), A28(C)
Airbag Sensor Assembly
D– D+ D2+ D2– P+ P– P2+ P2– SL+ SL– SR+ SR–
13 14 16 17 10 11 8 7 15 26 9 20
Y Y–B Y–G Y–R Y–R Y–G Y Y–B W–R BR G R
3 IE7 3 IO3
4 IE7 4 IO3
1 IE7 1 IO3
2 IE7 2 IO3 (LHD) (RHD)
W–R Y–R(*3) BR(*4) G R
2 1 4 3 1 2 3 4 2 1 2 1
SL+ SL– SR+ SR–
A30
Airbag Squib
(Steering Wheel Pad)
A29
Airbag Squib
(Front Passenger Airbag Assembly)
A 9
Airbag Sensor
Front LH
A10
Airbag Sensor
Front RH

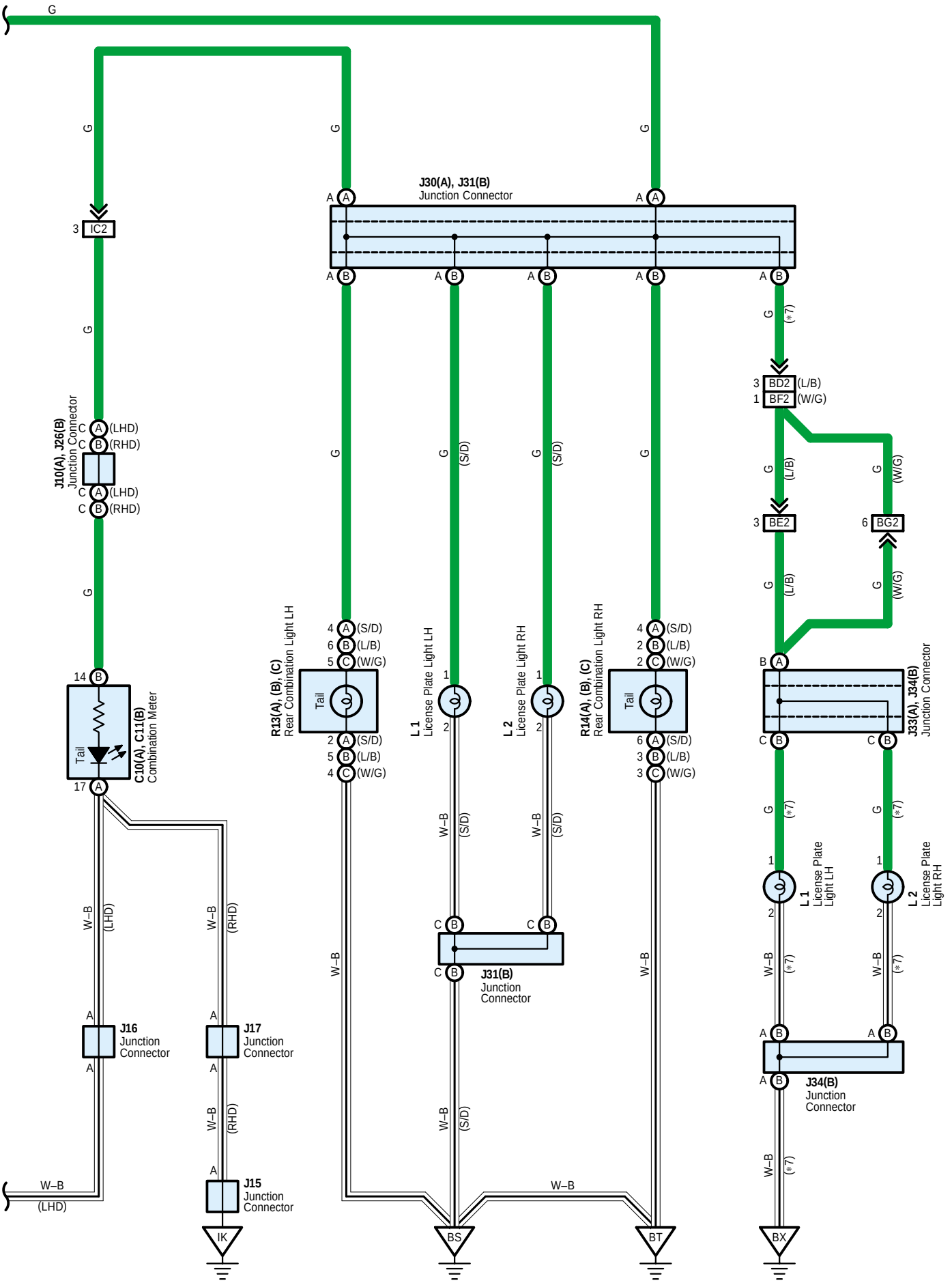

D 5
DLC3
TC
SIL
13
7
W–L
(*13)
W–L
(LHD)
W–G
(LHD)
W–G
(RHD)
W–L
(*12)
D B
B A
J20(A), J21(B)
Junction Connector
B A
G A
J 8(A)
Junction Connector
G C
J26(C)
Junction Connector
17 DB
9 DB
8 DD
10 DD
19 B
12 B
TC
SIL
C16
Curtain Shield Airbag
Sensor RH
S15(A), (B)
Side Airbag Sensor RH
BCR+
BCR–
BBR+
BBR–(*10)
BCR+
BCR–(*11)
L
(*10)
LG
(*10)
GR
P
A26(A), A27(B), A28(C)
Airbag Sensor Assembly
17 C
15 C
BBR+
BBR–
PL+
PL–
PR+
PR–
BBL+
BBL–
Y–B
Y
Y–B
Y
GR–L
LG–B
L–B
(*10)
GR–R
(*10)
BCL+
BCL–
BBL+
BBL–(*10)
BCL+
BCL–(*11)
P16
Pretensioner LH
P17
Pretensioner RH
C15
Curtain Shield Airbag Sensor LH
S14(A), (B)
Side Airbag Sensor LH

∗10 : w/ Curtain Shield Airbag
∗11 : w/o Curtain Shield Airbag
∗12 : RHD 1AZ–FE
∗13 : RHD Except 1AZ–FE

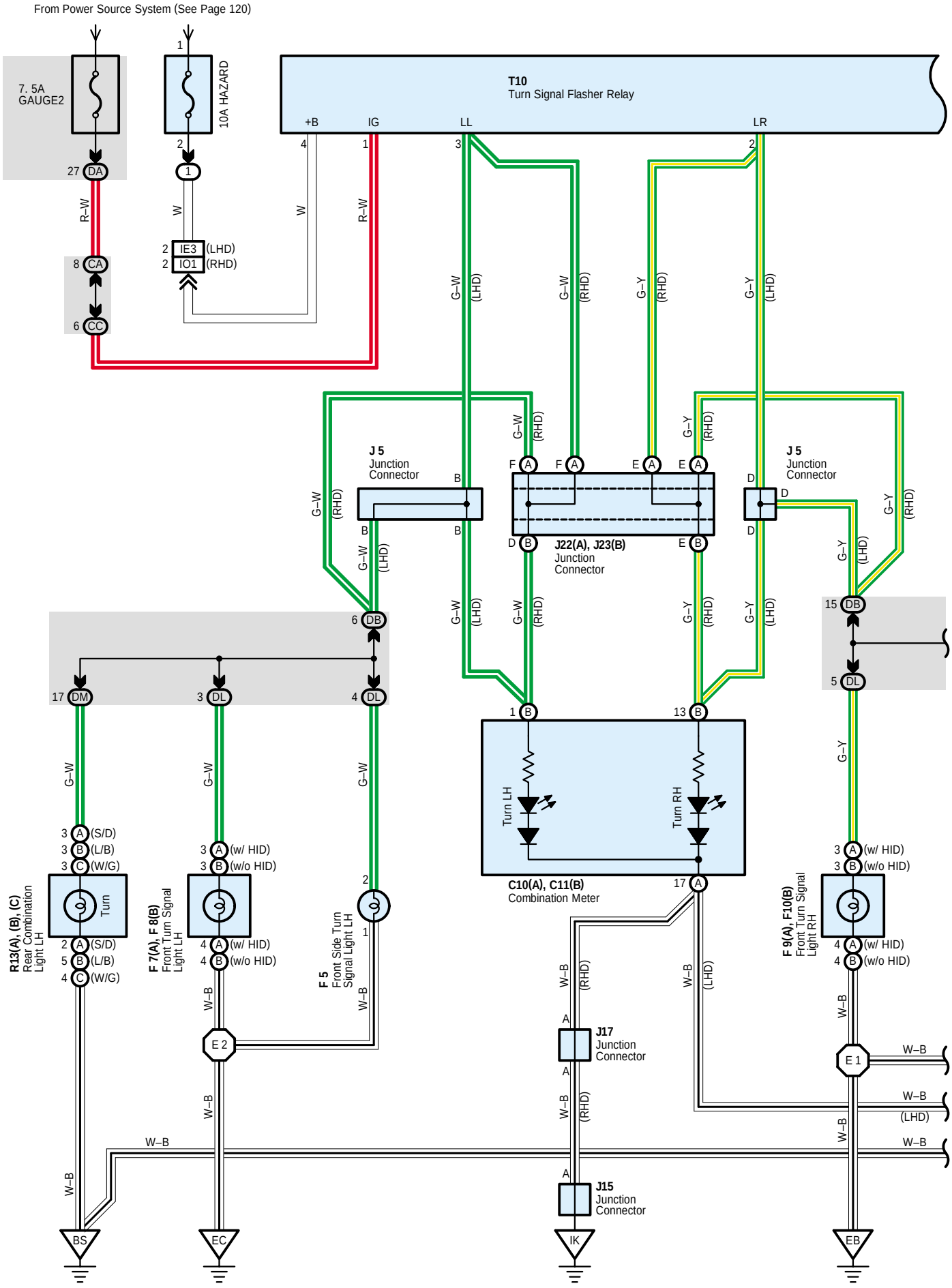


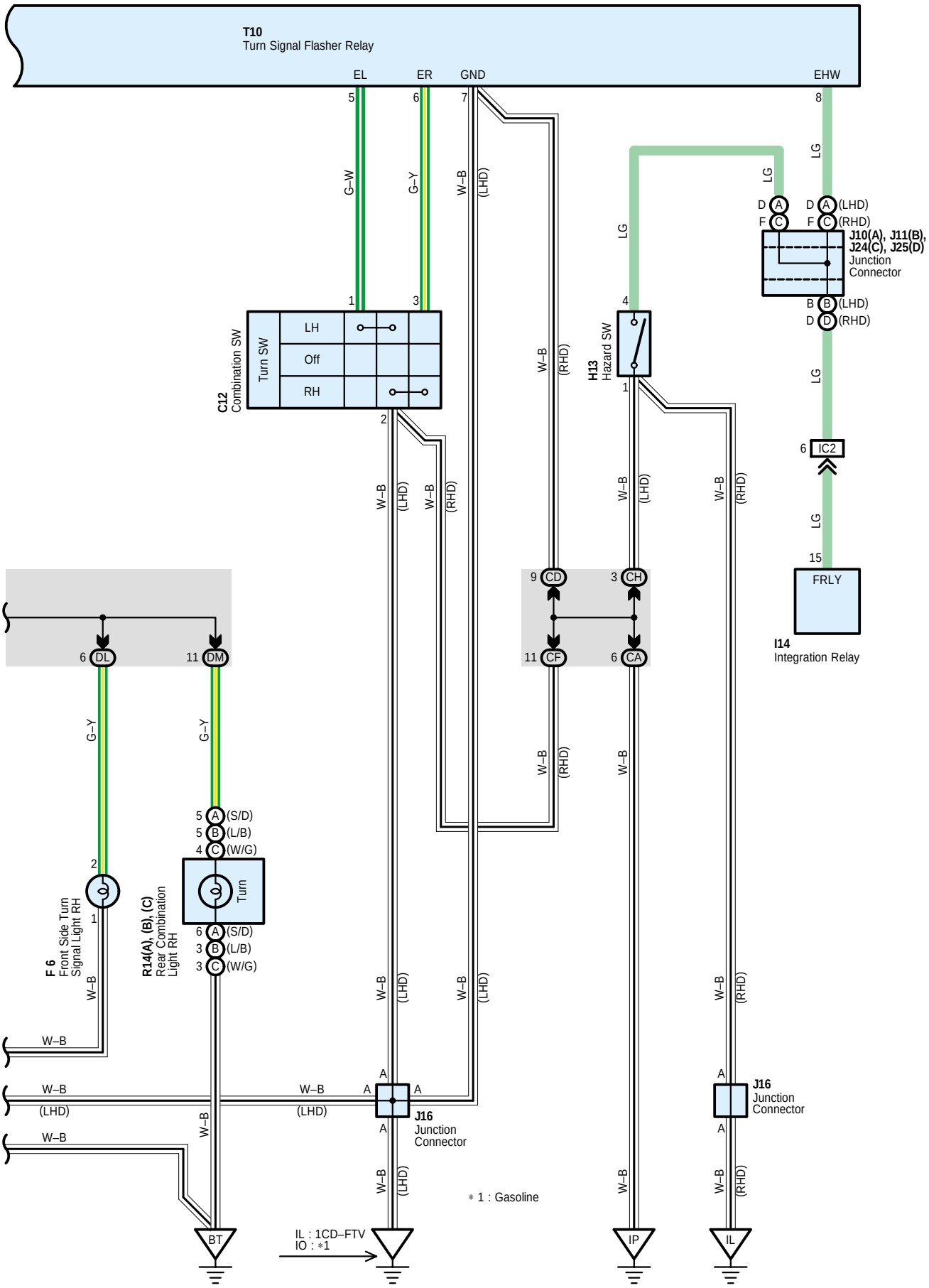

* 1 : Gasoline
* 2 : 1CD–FTV
From Power Source System (See Page 120)
7. 5A
ST
B–W
J12(A), J13(B)
Junction
Connector
B–W
(A/T)
B–Y
(M/T)
N 1
Neutral Start SW
P
N
B–Y
(A/T)
J12(A), J13(B)
Junction
Connector
B–Y
B–R
IE4 (LHD)
IP1 (RHD)
30A
AM2
1A
B
(*2)
B–G
(*1)
4A
4B
FL MAIN
3. 0W
Battery
ST Relay
IK1
W–B
DJ
DA
W–B
IJ
S 4(A), S 5(B)
Starter
M

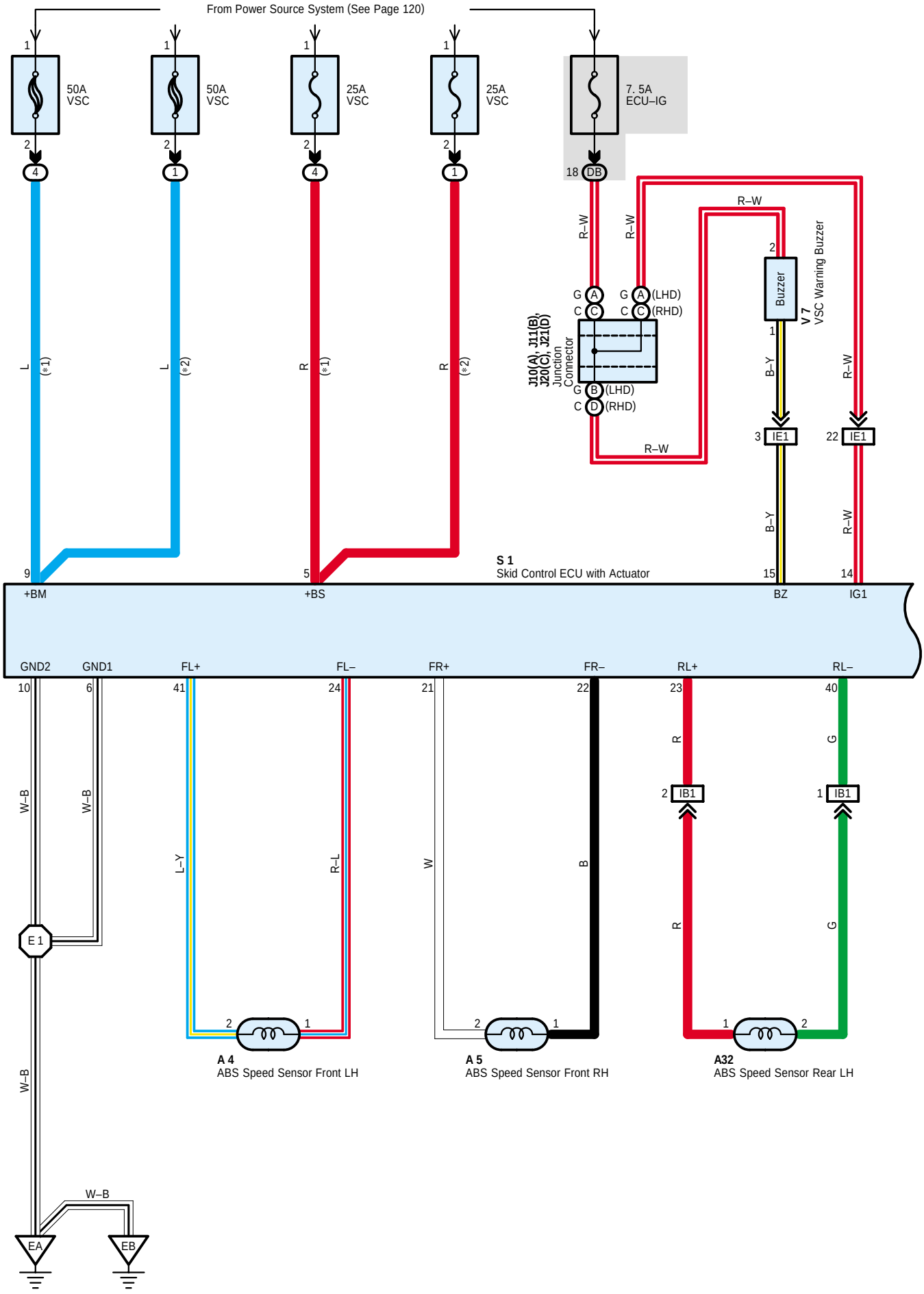

G
B–G
(*3)
B–L
(*4)
1 DN
4 DM
1
5
TAIL
Relay
2
3
13
TRLY
T
Integration
Relay
12
10A
TAIL
B–L
(*4)
1 ED1
B–G
(*3)
W
(*4)
23 DA
12 DB
8 DL
9 DL
1 4D
3
2
2
120A ALT (*8)
100A ALT (*9)
140A ALT
1
1
1 4B
3
R
(*2)
R
(*1)
G
A
J 1
Junction
Connector
A
14
Light
Control SW
OFF
Tail
Head
C12
Combination SW
16
B–G
(*3)
B
(*4)
G
G
FL MAIN
3. 0L
F 1
Front Clearance Light LH
F 2
Front Clearance Light RH
1
2
1
2
Battery
* 1 : w/ Daytime Running Light
* 2 : w/o Daytime Running Light
* 3 : Gasoline
* 4 : 1CD–FTV
* 5 : LHD 1CD–FTV, RHD
* 6 : LHD Gasoline
* 7 : L/B, W/G
* 8 : 1AZ–FSE, 1AZ–FE
* 9 : 1ZZ–FE, 3ZZ–FE
W–B
W–B
W–B
W–B
(LHD)
W–B
(LHD)
IL : *5
IO : *6
EC
EB


G
3 IC2
J30(A), J31(B)
Junction Connector
J10(A), J26(B)
Junction Connector
C A (LHD)
C B (RHD)
C A (LHD)
C B (RHD)
14 B
17 A
Tail
C10(A), C11(B)
Combination Meter
R13(A), (B), (C)
Rear Combination Light LH
4 A (S/D)
6 B (L/B)
5 C (W/G)
2 A (S/D)
5 B (L/B)
4 C (W/G)
L 1
License Plate Light LH
L 2
License Plate Light RH
J31(B)
Junction Connector
R14(A), (B), (C)
Rear Combination Light RH
4 A (S/D)
2 B (L/B)
2 C (W/G)
6 A (S/D)
3 B (L/B)
3 C (W/G)
3 BD2 (L/B)
1 BF2 (W/G)
3 BE2
6 BG2
J33(A), J34(B)
Junction Connector
J34(B)
Junction Connector
J16
Junction Connector
J17
Junction Connector
J15
Junction Connector
W–B (LHD)
W–B (RHD)
W–B (S/D)
(*7)
IK
BS
BT
BX

Turn Signal and Hazard Warning Light

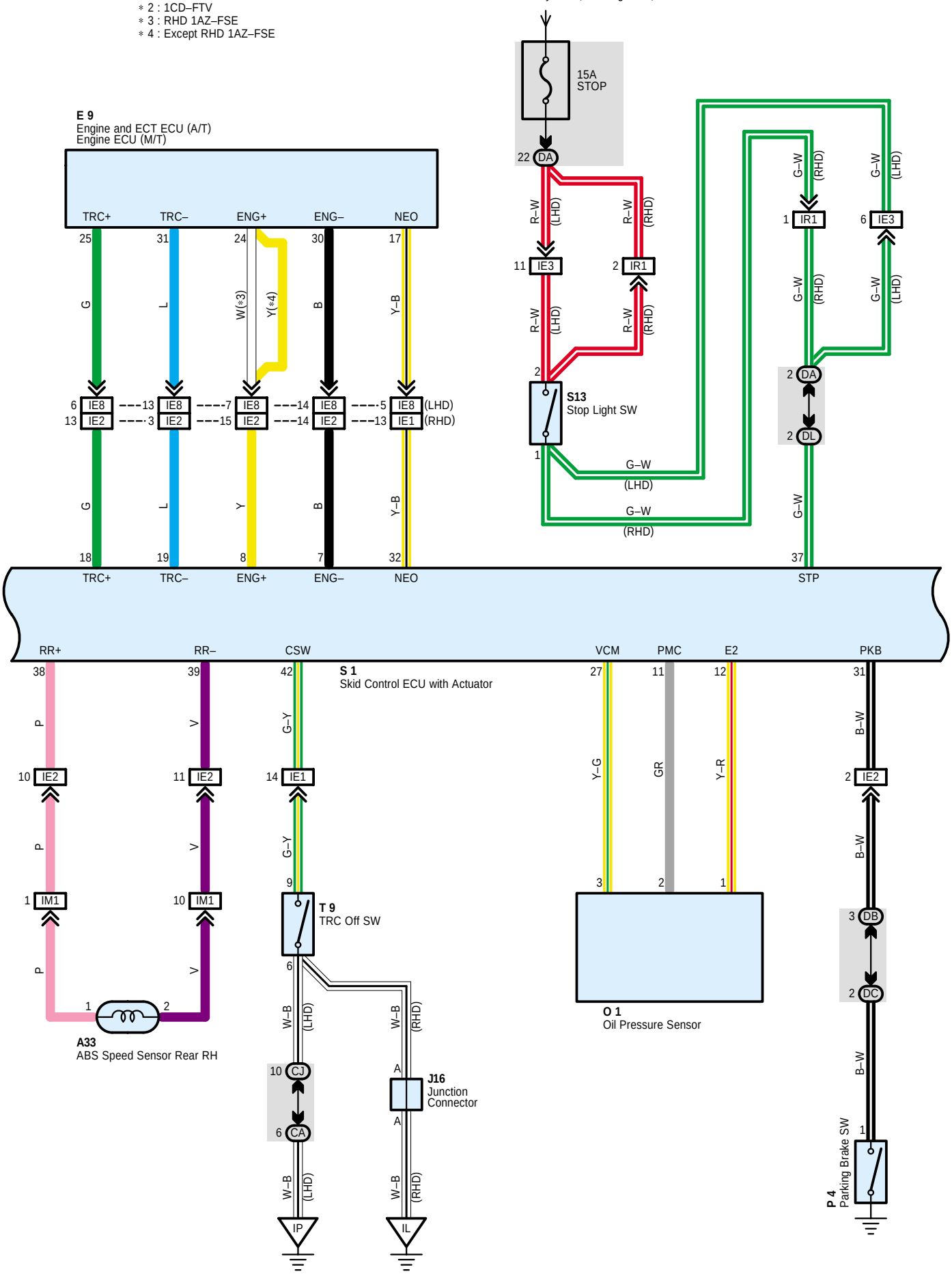


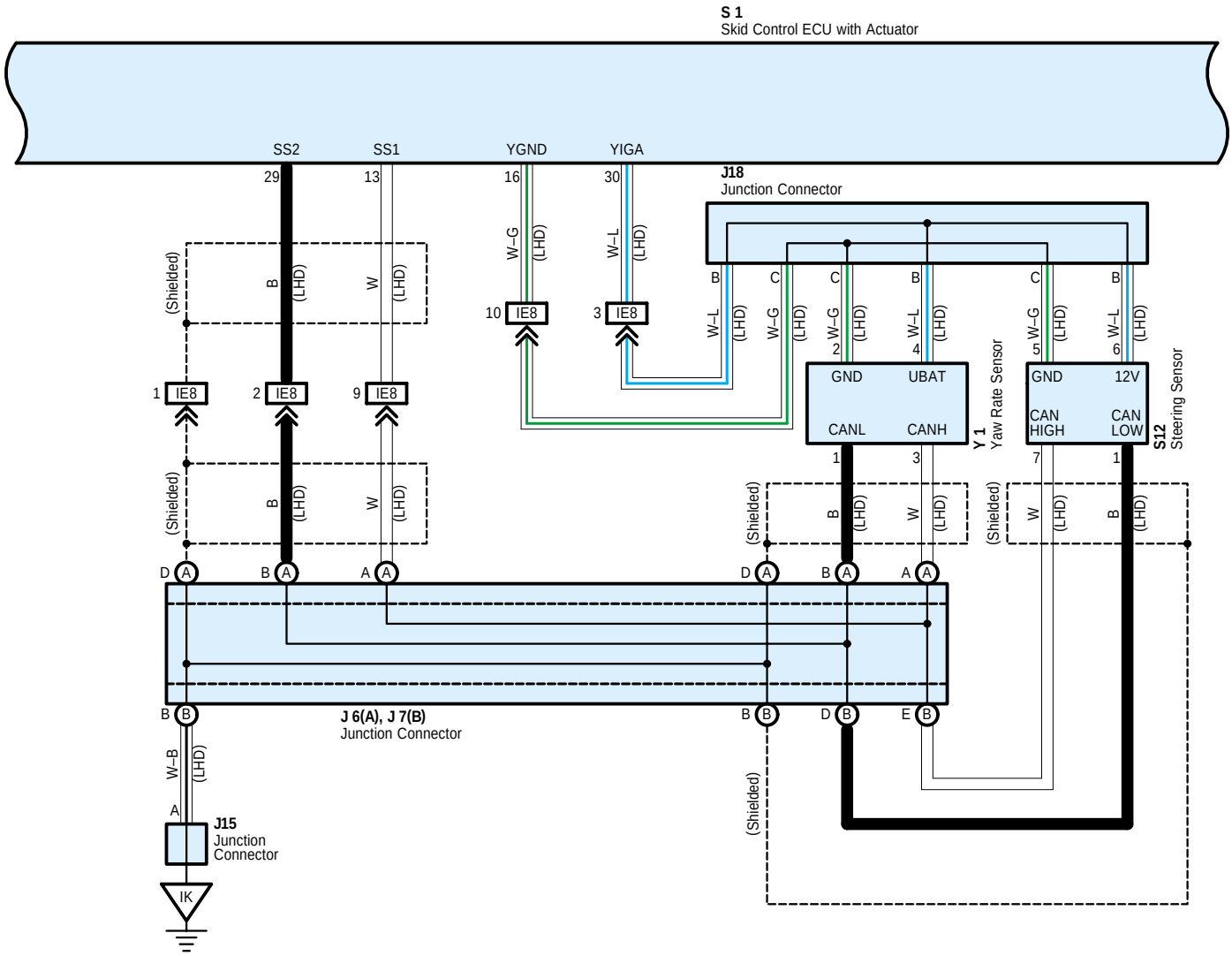

T10
Turn Signal Flasher Relay
EL
ER
GND
EHW
G–W
G–Y
W–B
(LHD)
LG
(RHD)
J10(A), J11(B), J24(C), J25(D)
Junction Connector
C12
Combination SW
Turn SW
LH
Off
RH
H13
Hazard SW
IC2
FRLY
I14
Integration Relay
DL
DM
CD
CH
CF
CA
F 6
Front Side Turn Signal Light RH
R14(A), (B), (C)
Rear Combination Light RH
(S/D)
(L/B)
(W/G)
Turn
J16
Junction Connector
BT
IP
IL
IL : 1CD–FTV
IO : *1
* 1 : Gasoline

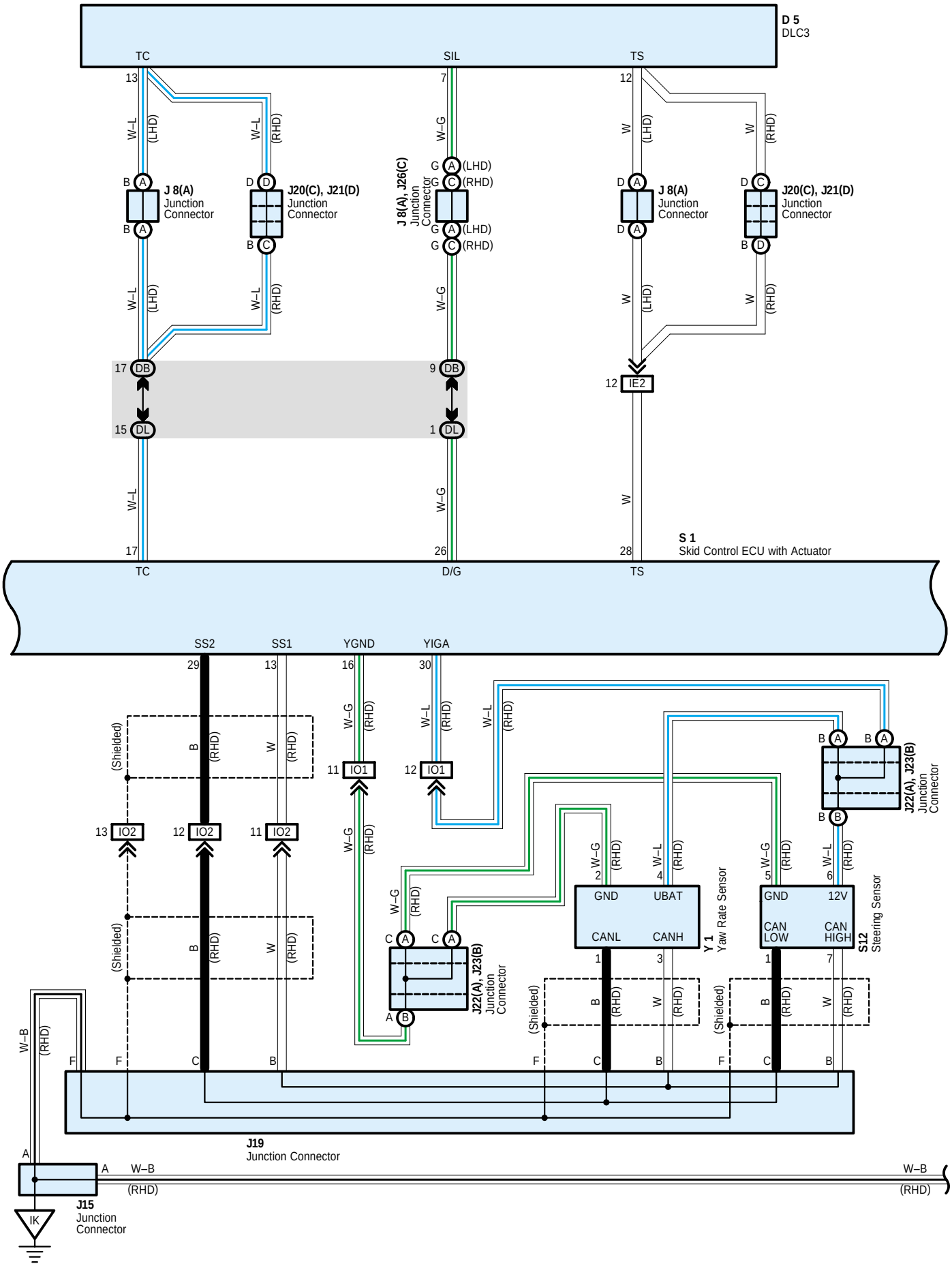

From Power Source System (See Page 120)
50A VSC
50A VSC
25A VSC
25A VSC
7. 5A ECU–IG
18 DB
R–W
R–W
R–W
G A (LHD)
C C (RHD)
J10(A), J11(B), J20(C), J21(D) Junction Connector
G B (LHD)
C D (RHD)
R–W
2
Buzzer
1
V7 VSC Warning Buzzer
B–Y
R–W
3 IE1
22 IE1
B–Y
R–W
L (*1)
L (*2)
R (*1)
R (*2)
9 +BM
5 +BS
S 1
Skid Control ECU with Actuator
15 BZ
14 IG1
GND2 10
GND1 6
FL+ 41
FL– 24
FR+ 21
FR– 22
RL+ 23
RL– 40
W–B
W–B
L–Y
R–L
W
B
R
G
R
G
2 IB1
1 IB1
E 1
W–B
W–B
EA
EB
A 4
ABS Speed Sensor Front LH
A 5
ABS Speed Sensor Front RH
A32
ABS Speed Sensor Rear LH

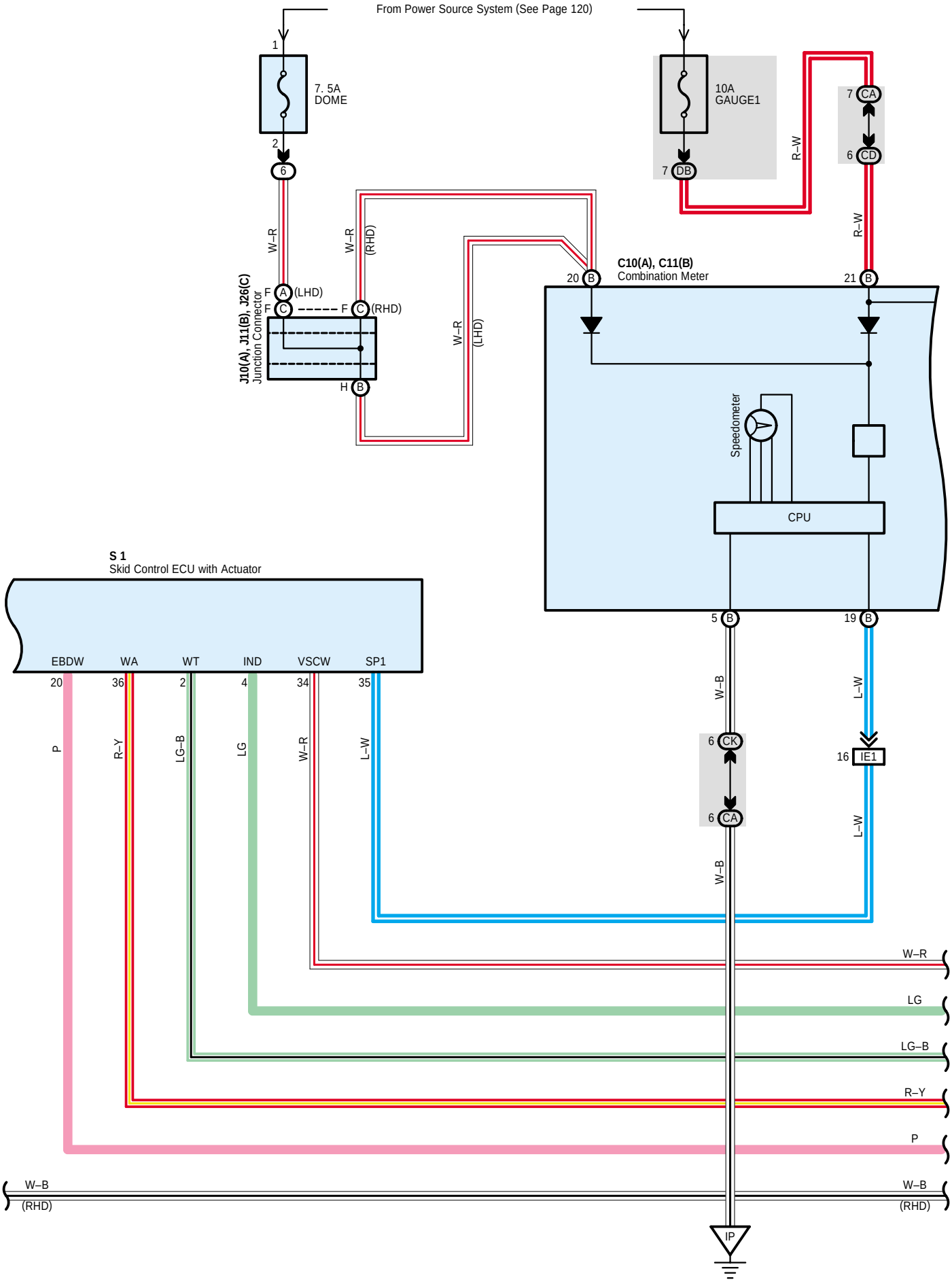
∗ 1 : 1AZ–FSE
∗ 2 : 1CD–FTV
∗ 3 : RHD 1AZ–FSE
∗ 4 : Except RHD 1AZ–FSE

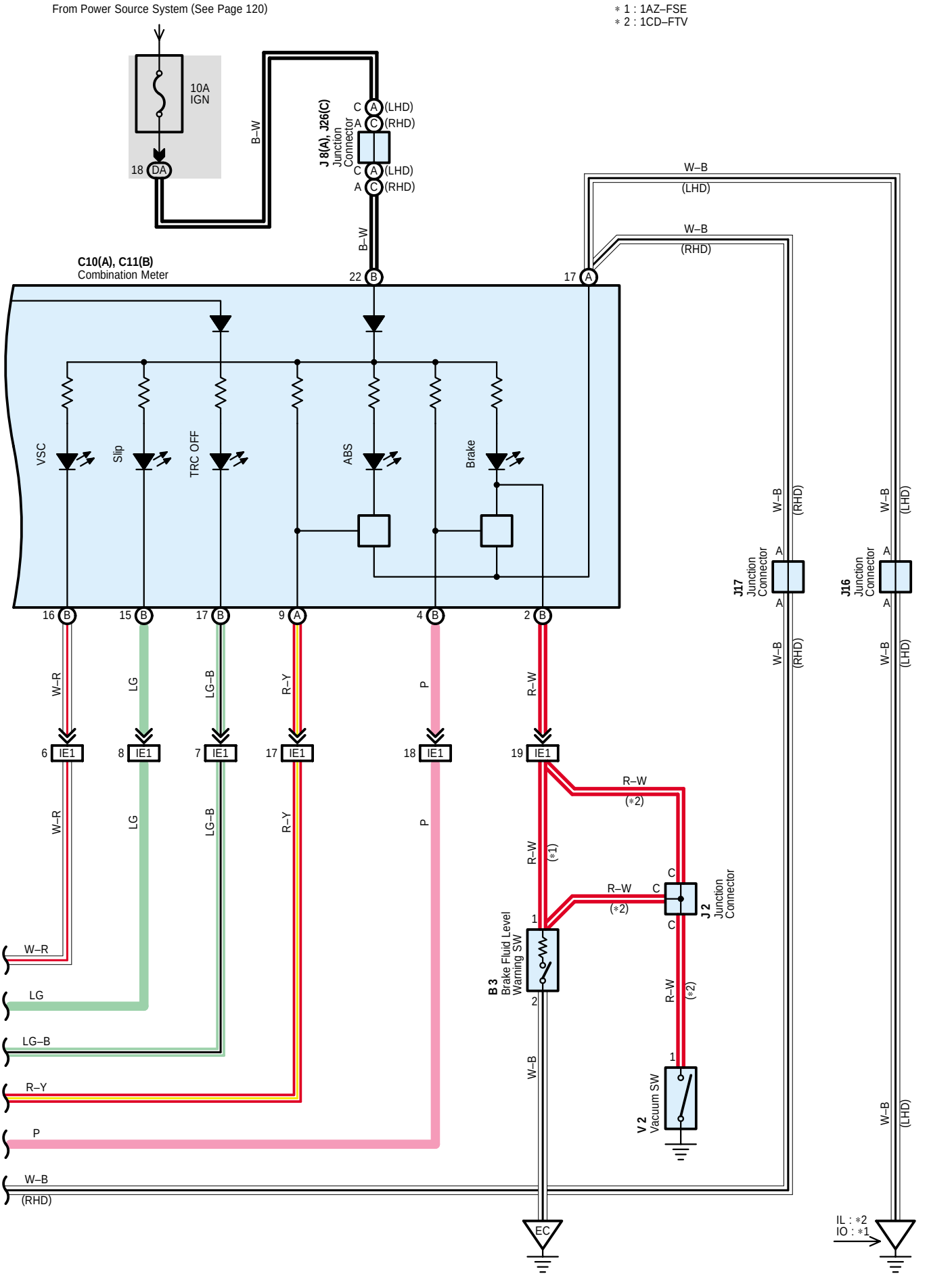
From Power Source System (See Page 120)



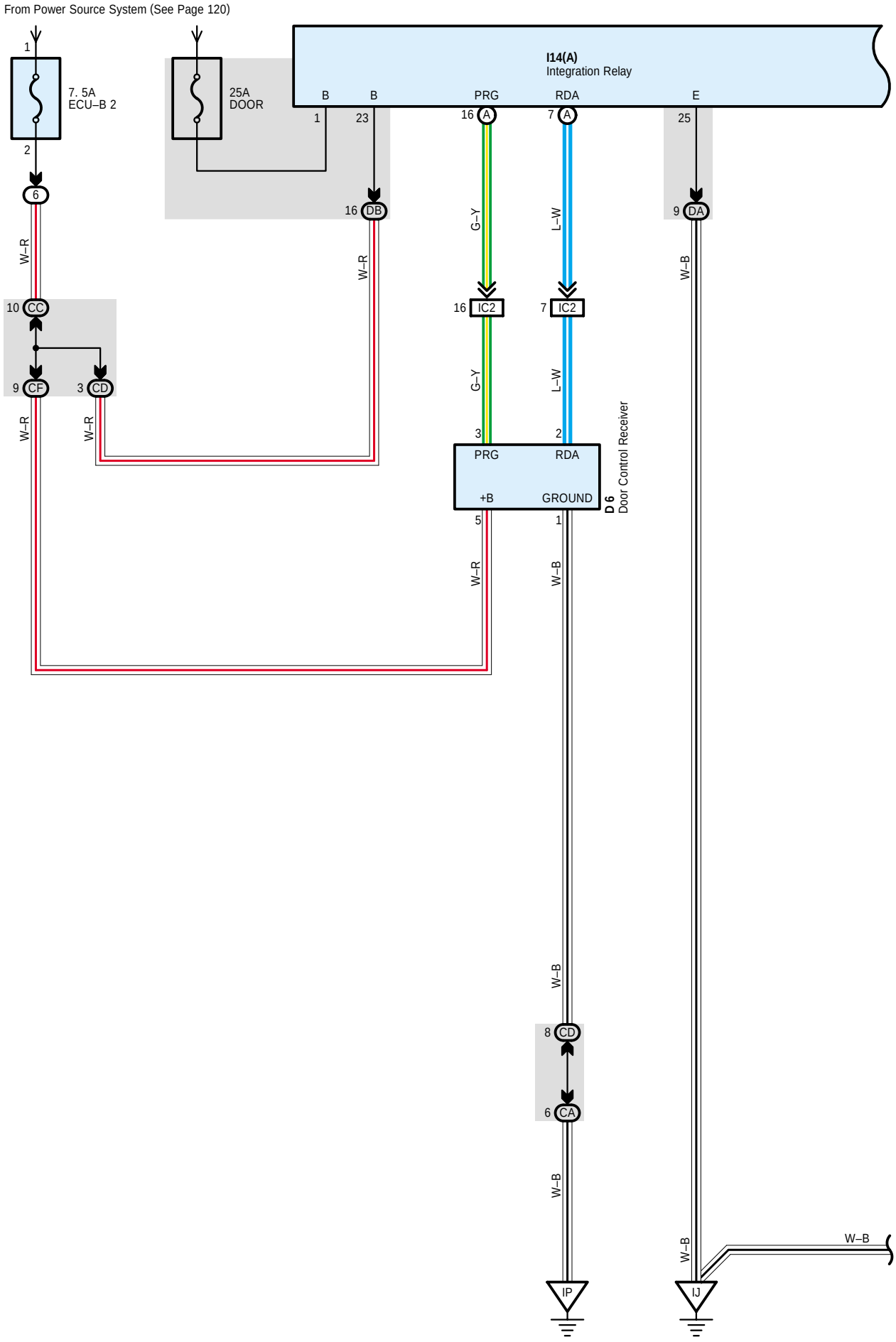

S 1
Skid Control ECU with Actuator
SS2
SS1
YGND
YIGA
29
13
16
30
J18
Junction Connector
W–G
W–L
(LHD)
B
C
10
3
IE8
2
4
5
6
GND
UBAT
CANL
CANH
Y 1
Yaw Rate Sensor
GND
12V
CAN HIGH
CAN LOW
S12
Steering Sensor
(Shielded)
1
2
9
7
D
B
A
J 6(A), J 7(B)
Junction Connector
E
W–B
J15
Junction Connector
IK

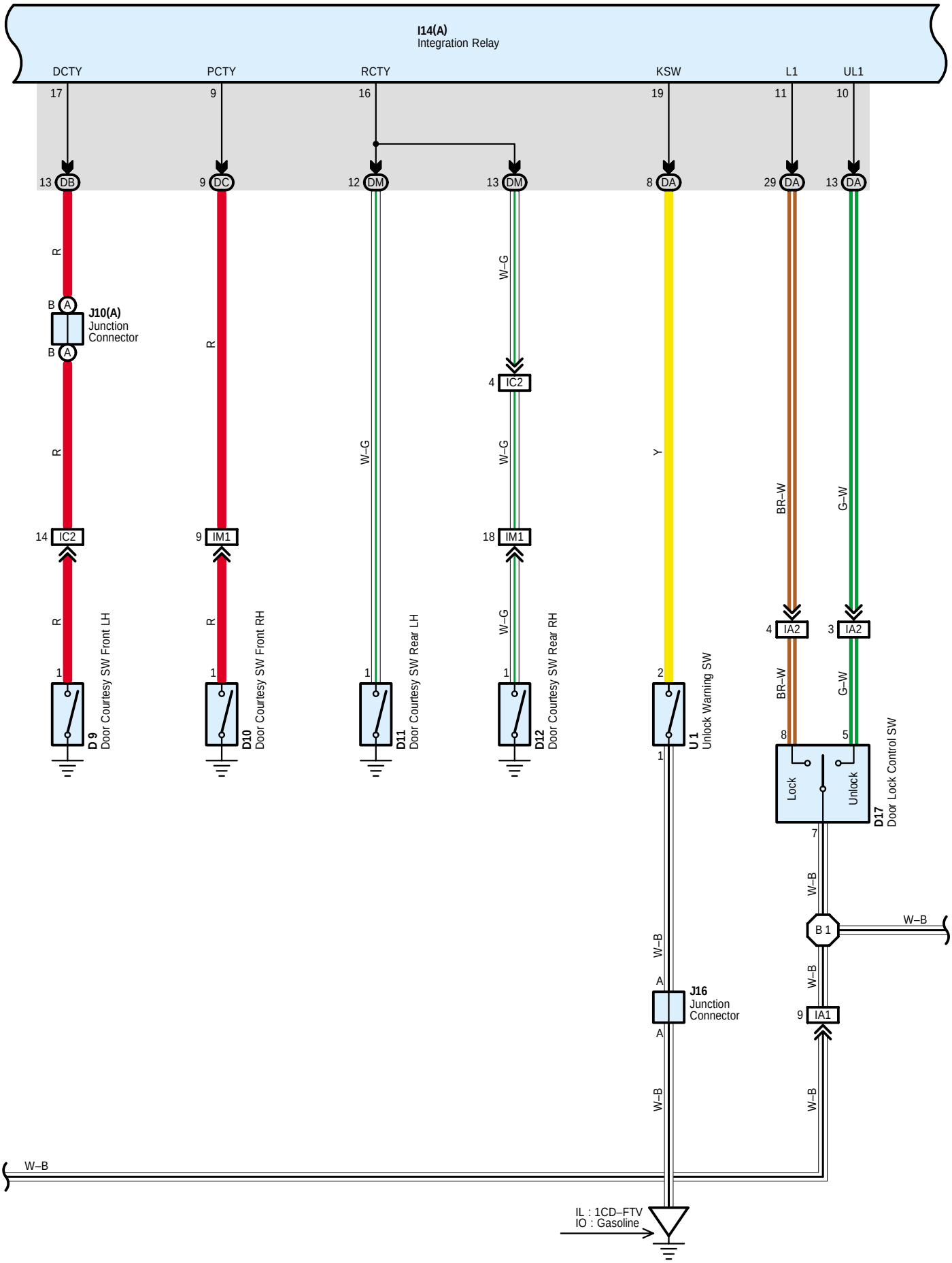

D 5
DLC3
TC
SIL
TS
J 8(A)
Junction Connector
J20(C), J21(D)
Junction Connector
J 8(A), J26(C)
Junction Connector
IE2
S 1
Skid Control ECU with Actuator
TC
D/G
TS
SS2
SS1
YGND
YIGA
IO1
IO2
(Shielded)
J22(A), J23(B)
Junction Connector
Y 1
Yaw Rate Sensor
S12
Steering Sensor
GND
UBAT
CANL
CANH
12V
CAN LOW
CAN HIGH
J19
Junction Connector
J15
Junction Connector
IK
W–B
W–L
W–G
(RHD)
(LHD)


From Power Source System (See Page 120)
1
7. 5A
DOME
2
6
W–R
W–R
(RHD)
J10(A), J11(B), J26(C)
Junction Connector
F A (LHD)
F C
F C (RHD)
H B
W–R
(LHD)
10A
GAUGE1
7 DB
R–W
7 CA
6 CD
R–W
C10(A), C11(B)
Combination Meter
20 B
21 B
Speedometer
CPU
S 1
Skid Control ECU with Actuator
EBDW
WA
WT
IND
VSCW
SP1
20
36
2
4
34
35
P
R–Y
LG–B
LG
W–R
L–W
5 B
19 B
W–B
L–W
6 CK
16 IE1
6 CA
L–W
W–B
W–R
LG
LG–B
R–Y
P
W–B
(RHD)
W–B
(RHD)
IP

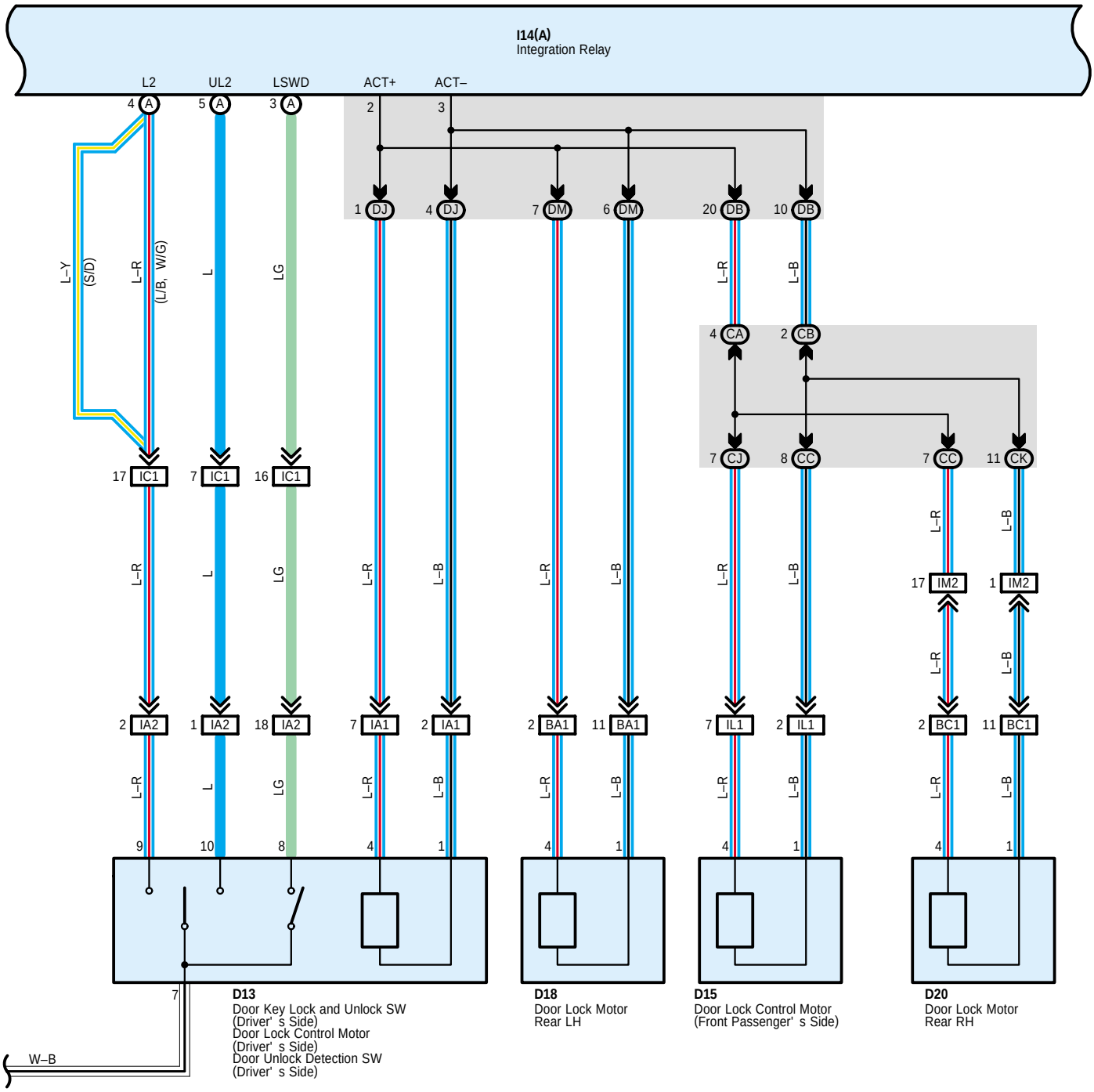

From Power Source System (See Page 120)
* 1 : 1AZ–FSE
* 2 : 1CD–FTV
10A
IGN
18 DA
B–W
J 8(A), J26(C)
Junction Connector
C A (LHD)
A C (RHD)
C A (LHD)
A C (RHD)
B–W
22 B
C10(A), C11(B)
Combination Meter
17 A
W–B
(LHD)
W–B
(RHD)
VSC
Slip
TRC OFF
ABS
Brake
16 B
15 B
17 B
9 A
4 B
2 B
W–R
LG
LG–B
R–Y
P
R–W
6 IE1
8 IE1
7 IE1
17 IE1
18 IE1
19 IE1
R–W
(*2)
R–W
(*1)
R–W
C
(*2)
C
J 2
Junction Connector
C
1
B 3
Brake Fluid Level Warning SW
2
W–B
R–W
(*2)
1
V 2
Vacuum SW
J17
Junction Connector
A
A
W–B
(RHD)
W–B
(RHD)
J16
Junction Connector
A
A
W–B
(LHD)
W–B
(LHD)
W–R
LG
LG–B
R–Y
P
W–B
(RHD)
W–B
(LHD)
EC
IL : *2
IO : *1

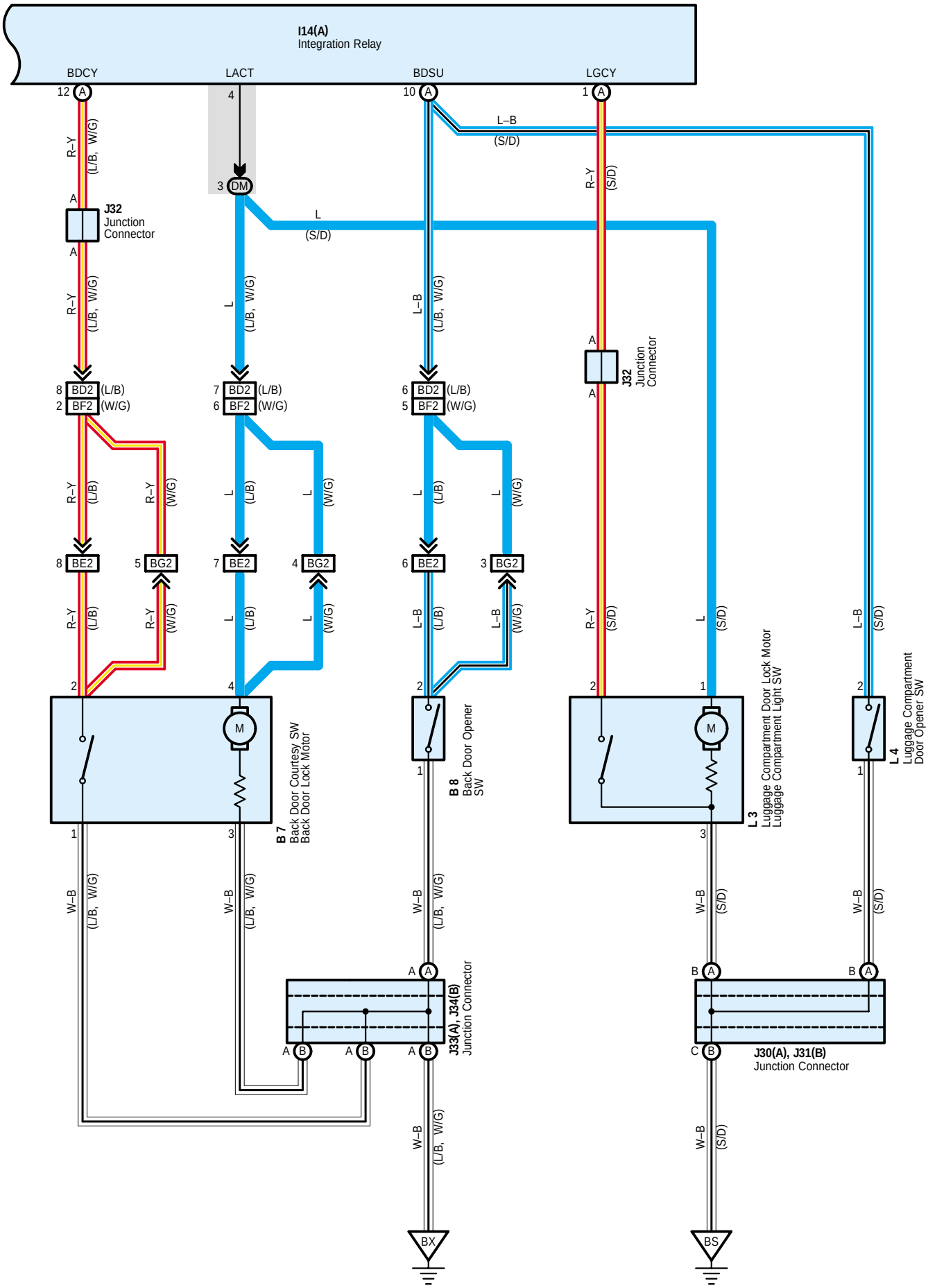
Wireless Door Lock Control (LHD)



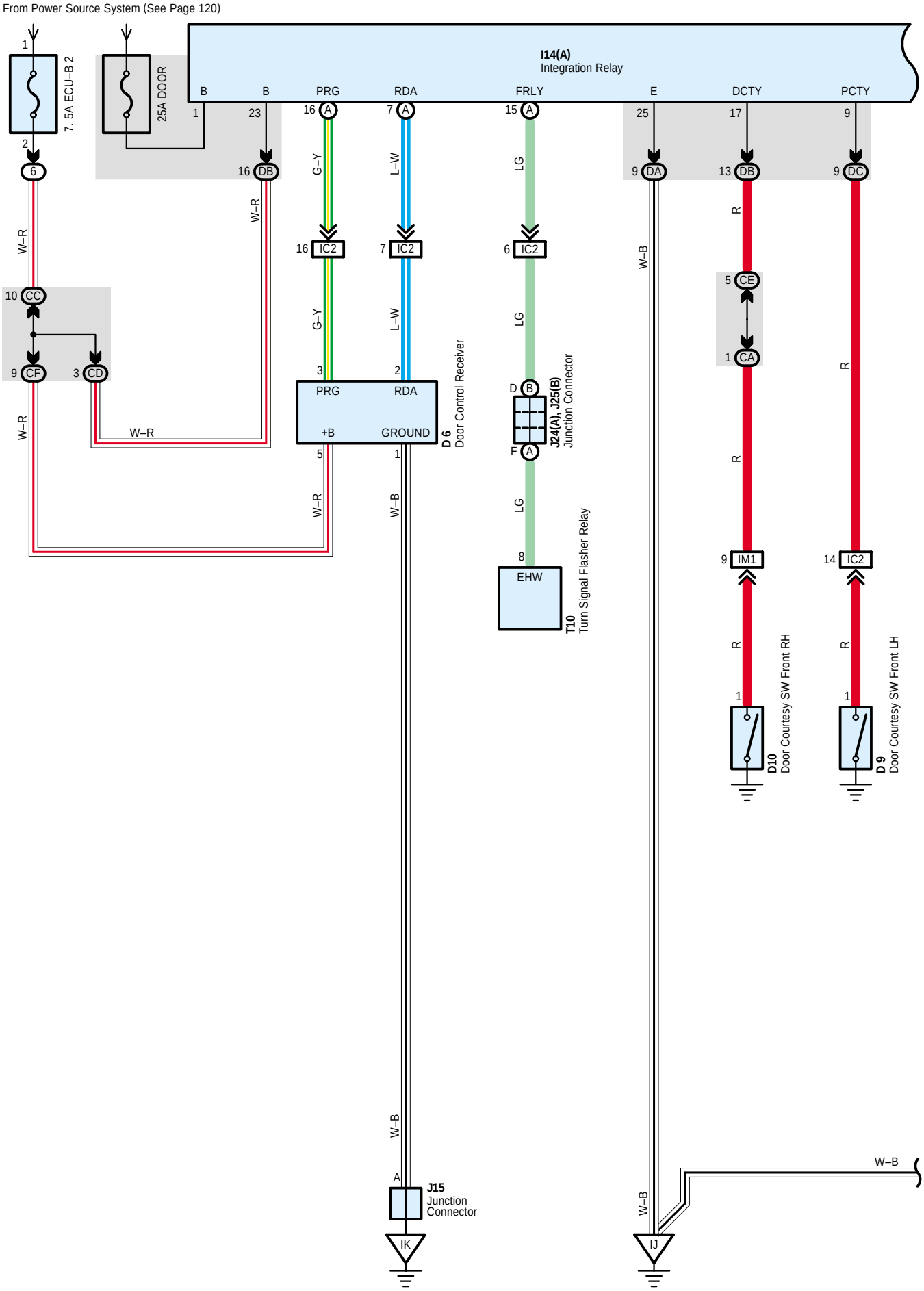

I14(A)
Integration Relay
DCTY
PCTY
RCTY
KSW
L1
UL1
17
9
16
19
11
10
13 DB
9 DC
12 DM
13 DM
8 DA
29 DA
13 DA
R
R
W–G
W–G
Y
BR–W
G–W
B A
J10(A)
Junction
Connector
B A
4 IC2
14 IC2
9 IM1
18 IM1
4 IA2
3 IA2
R
R
W–G
W–G
BR–W
G–W
1
1
1
1
2
8
5
D9
Door Courtesy SW Front LH
D10
Door Courtesy SW Front RH
D11
Door Courtesy SW Rear LH
D12
Door Courtesy SW Rear RH
U1
Unlock Warning SW
Lock
Unlock
D17
Door Lock Control SW
1
7
W–B
W–B
B 1
W–B
A
J16
Junction
Connector
A
9 IA1
W–B
W–B
W–B
IL : 1CD–FTV
IO : Gasoline

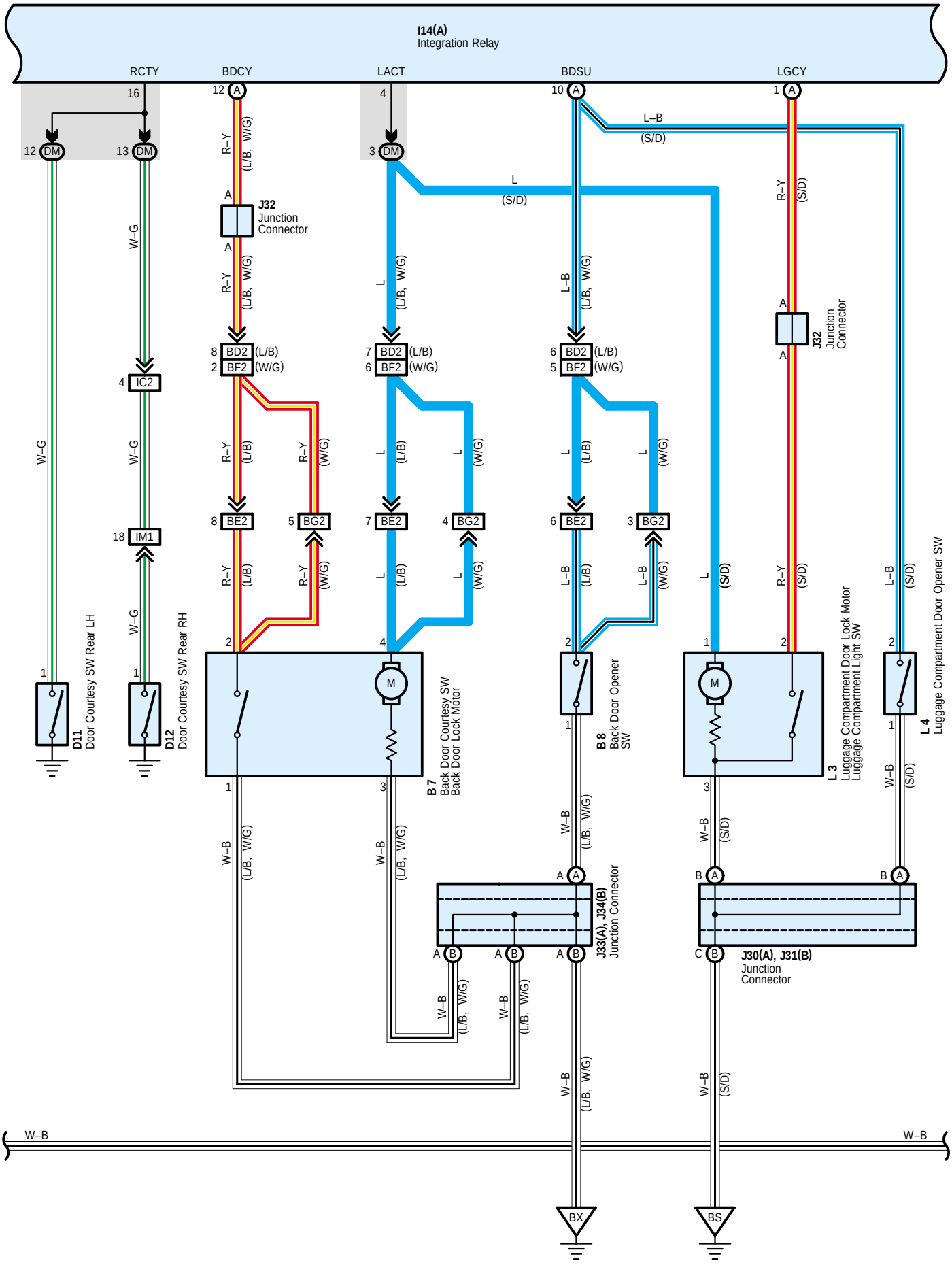
Wireless Door Lock Control (LHD)



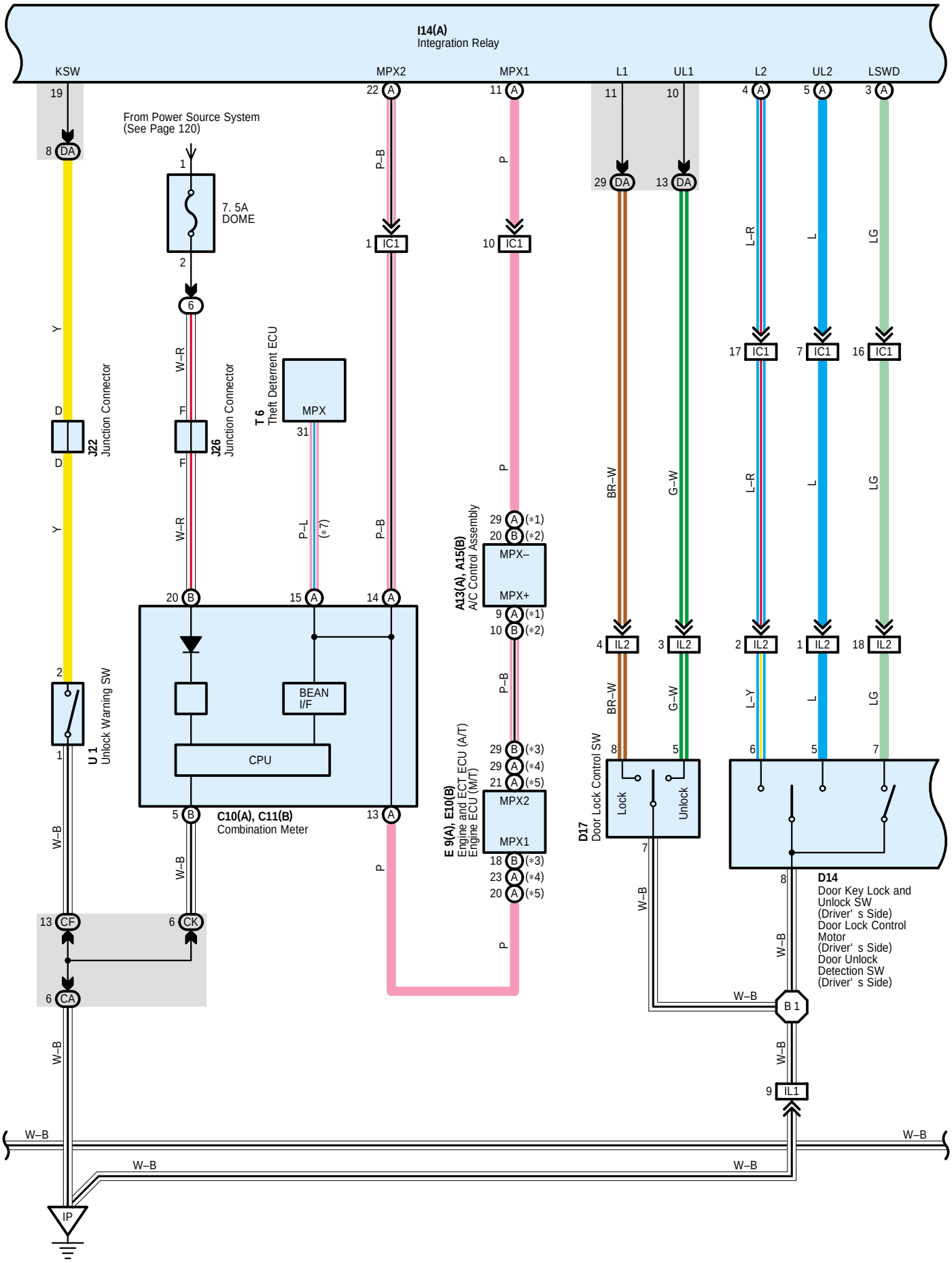

I14(A)
Integration Relay
BDCY
LACT
BDSU
LGCY
12 A
4
10 A
1 A
3 DM
L–B
(S/D)
R–Y
(L/B, W/G)
L
(S/D)
A
J32
Junction
Connector
A
R–Y
(L/B, W/G)
L
(L/B, W/G)
L–B
(L/B, W/G)
R–Y
(S/D)
8 BD2 (L/B)
2 BF2 (W/G)
7 BD2 (L/B)
6 BF2 (W/G)
6 BD2 (L/B)
5 BF2 (W/G)
J32
Junction
Connector
R–Y
(L/B)
R–Y
(W/G)
L
(L/B)
L
(W/G)
L
(L/B)
L
(W/G)
8 BE2
5 BG2
7 BE2
4 BG2
6 BE2
3 BG2
R–Y
(L/B)
R–Y
(W/G)
L
(L/B)
L
(W/G)
L–B
(L/B)
L–B
(W/G)
R–Y
(S/D)
L
(S/D)
L–B
(S/D)
2
4
2
2
1
2
M
M
1
3
1
3
2
B 7
Back Door Courtesy SW
Back Door Lock Motor
B 8
Back Door Opener
SW
L 3
Luggage Compartment Door Lock Motor
Luggage Compartment Light SW
L 4
Luggage Compartment
Door Opener SW
W–B
(L/B, W/G)
W–B
(L/B, W/G)
W–B
(L/B, W/G)
W–B
(S/D)
W–B
(S/D)
A
A
A
B
A
B
A
A B
A B
A B
C B
J33(A), J34(B)
Junction Connector
J30(A), J31(B)
Junction Connector
W–B
(L/B, W/G)
W–B
(S/D)
BX
BS

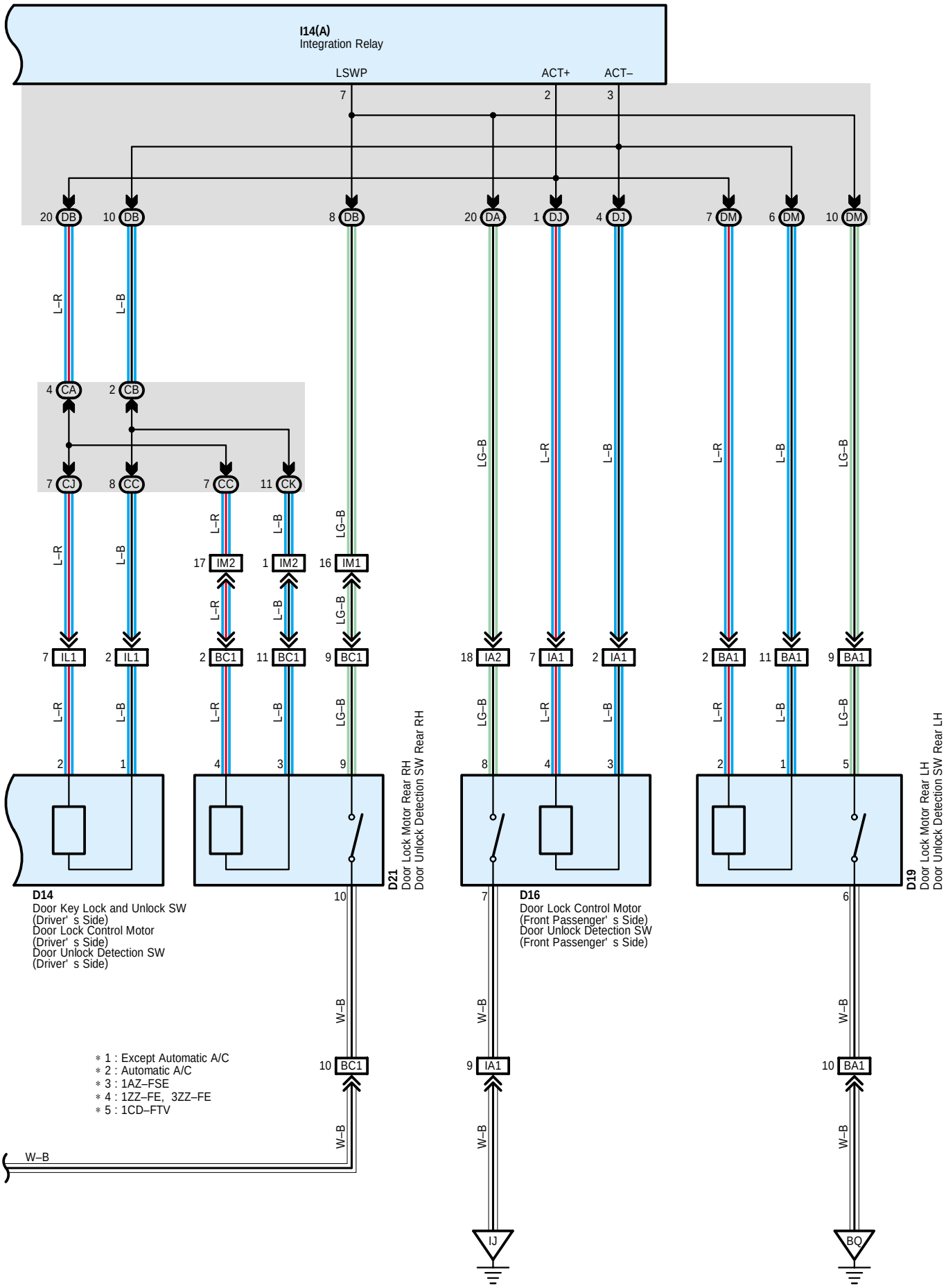
Wireless Door Lock Control (RHD)



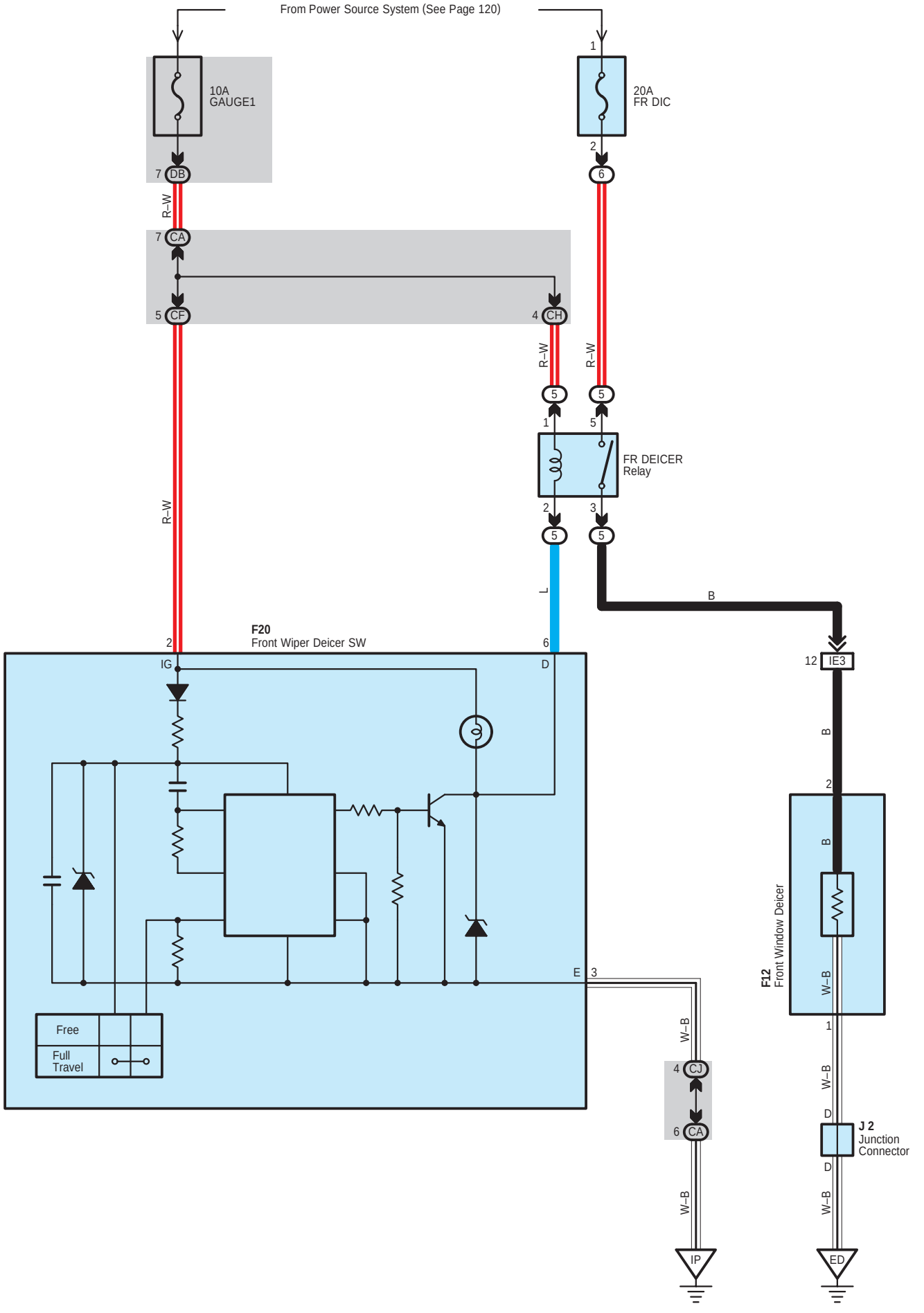

I14(A)
Integration Relay
RCTY
BDCY
LACT
BDSU
LGCY
J32
Junction Connector
D11
Door Courtesy SW Rear LH
D12
Door Courtesy SW Rear RH
B 7
Back Door Courtesy SW
Back Door Lock Motor
B 8
Back Door Opener SW
L 3
Luggage Compartment Door Lock Motor
Luggage Compartment Light SW
L 4
Luggage Compartment Door Opener SW
J33(A), J34(B)
Junction Connector
J30(A), J31(B)
Junction Connector
BX
BS
W–B

Wireless Door Lock Control (RHD)

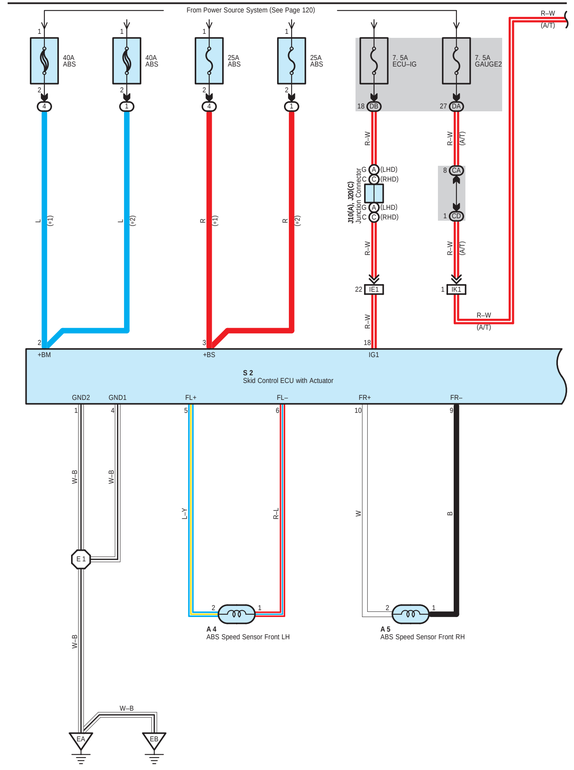


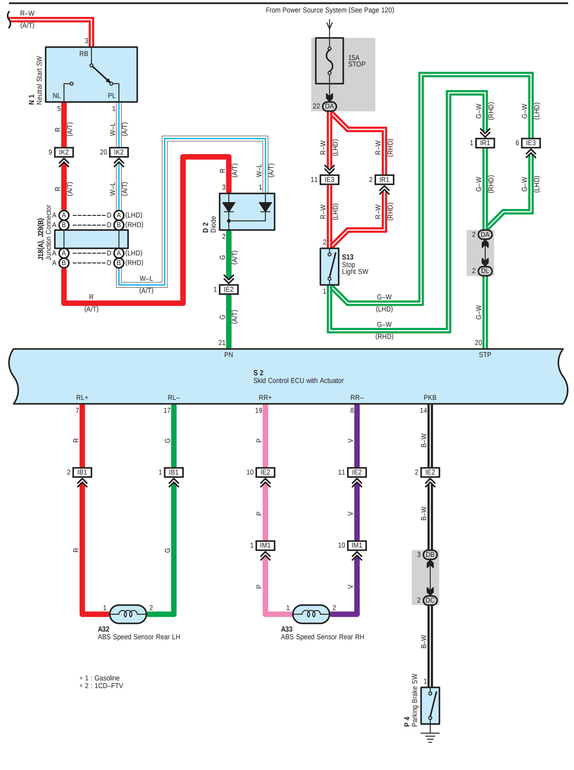

I14(A)
Integration Relay
LSWP
ACT+
ACT–
7
2
3
20 DB
10 DB
8 DB
20 DA
1 DJ
4 DJ
7 DM
6 DM
10 DM
L–R
L–B
LG–B
4 CA
2 CB
7 CJ
8 CC
7 CC
11 CK
17 IM2
1 IM2
16 IM1
7 IL1
2 IL1
2 BC1
11 BC1
9 BC1
18 IA2
7 IA1
2 IA1
2 BA1
11 BA1
9 BA1
2
1
4
3
9
8
5
10
7
6
W–B
9 IA1
10 BC1
10 BA1
IJ
BQ
D14
Door Key Lock and Unlock SW
(Driver' s Side)
Door Lock Control Motor
(Driver' s Side)
Door Unlock Detection SW
(Driver' s Side)
D21
Door Lock Motor Rear RH
Door Unlock Detection SW Rear RH
D16
Door Lock Control Motor
(Front Passenger' s Side)
Door Unlock Detection SW
(Front Passenger' s Side)
D19
Door Lock Motor Rear LH
Door Unlock Detection SW Rear LH
∗ 1 : Except Automatic A/C
∗ 2 : Automatic A/C
∗ 3 : 1AZ–FSE
∗ 4 : 1ZZ–FE, 3ZZ–FE
∗ 5 : 1CD–FTV

Front Window Deicer

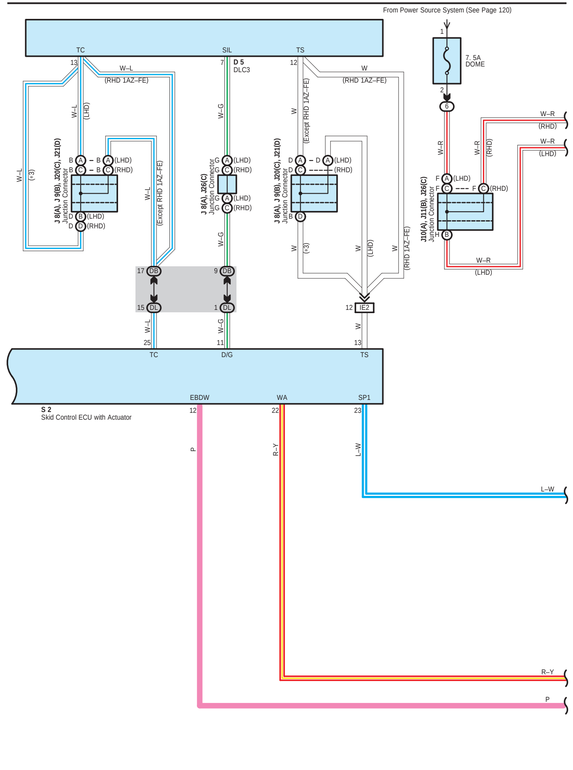


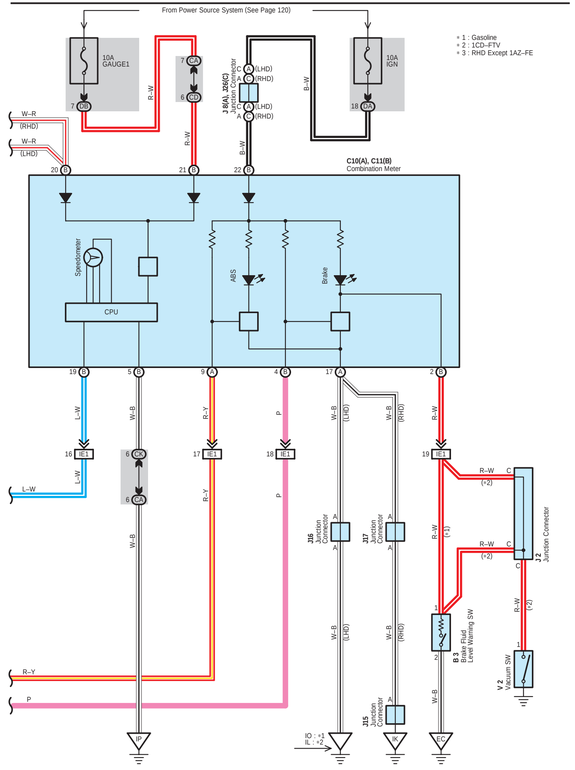
ABS


From Power Source System (See Page 120)
40A ABS
40A ABS
25A ABS
25A ABS
7.5A ECU-IG
7.5A GAUGE2
R–W (A/T)
J10(A), J29(C) Junction Connector
L (+1)
L (+2)
R (+1)
R (+2)
R–W
R–W (A/T)
+BM
+BS
IG1
S 2
Skid Control ECU with Actuator
GND2
GND1
FL+
FL–
FR+
FR–
W–B
L–Y
R–L
W
B
E 1
A 4
ABS Speed Sensor Front LH
A 5
ABS Speed Sensor Front RH

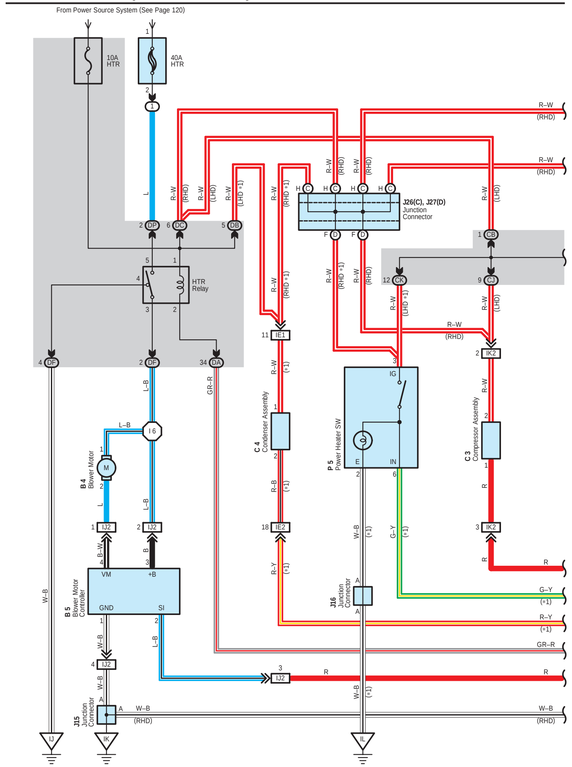

From Power Source System (See Page 120)
N 1
Neutral Start SW
R–W (A/T)
NL
RB
PL
W–L (A/T)
R (A/T)
J18(A), J29(B) Junction Connector
D 2
Diode
15A STOP
R–W (LHD)
R–W (RHD)
S13
Stop Light SW
G–W (LHD)
G–W (RHD)
G–W (LHD)
PN
STP
S 2
Skid Control ECU with Actuator
RL+
RL–
RR+
RR–
PKB
B–W
P 4
Parking Brake SW
A32
ABS Speed Sensor Rear LH
A33
ABS Speed Sensor Rear RH
* 1 : Gasoline
* 2 : 1CD–FTV

ABS

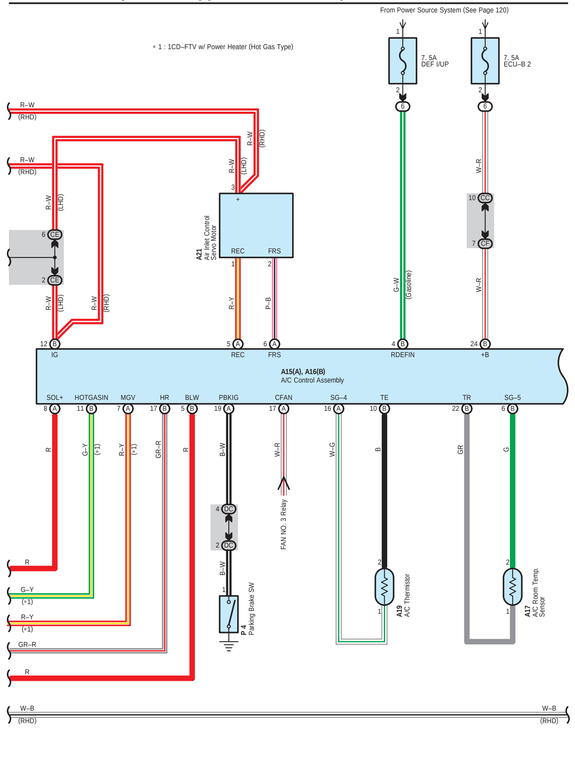

From Power Source System (See Page 120)
TC
SIL
TS
D 5
DLC3
W–L (RHD 1AZ–FE)
W–L (LHD)
W–G
W (Except RHD 1AZ–FE)
W (RHD 1AZ–FE)
J 8(A), J 9(B), J20(C), J21(D) Junction Connector
J 8(A), J 9(B), J20(C), J21(D) Junction Connector
J 8(A), J 9(B), J20(C), J21(D) Junction Connector
7.5A DOME
W–R (RHD)
W–R (LHD)
J10(A), J11(B), J29(C) Junction Connector
TC
D/G
TS
S 2
Skid Control ECU with Actuator
EBDW
WA
SP1
L–W
R–Y
P


From Power Source System (See Page 120)
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : RHD Except 1AZ–FE
10A GAUGE1
10A IGN
J 8(A), J20(C) Junction Connector
C10(A), C11(B) Combination Meter
Speedometer
CPU
ABS
Brake
R–W (RHD)
R–W (LHD)
B–W
L–W
W–B
R–Y
P
J15 Junction Connector
J17 Junction Connector
J16 Junction Connector
IO : +2
IL : +2
B 3
Brake Fluid Level Warning SW
V 2
Vacuum SW
J 2
Junction Connector
R–W (+2)
R–W (+1)

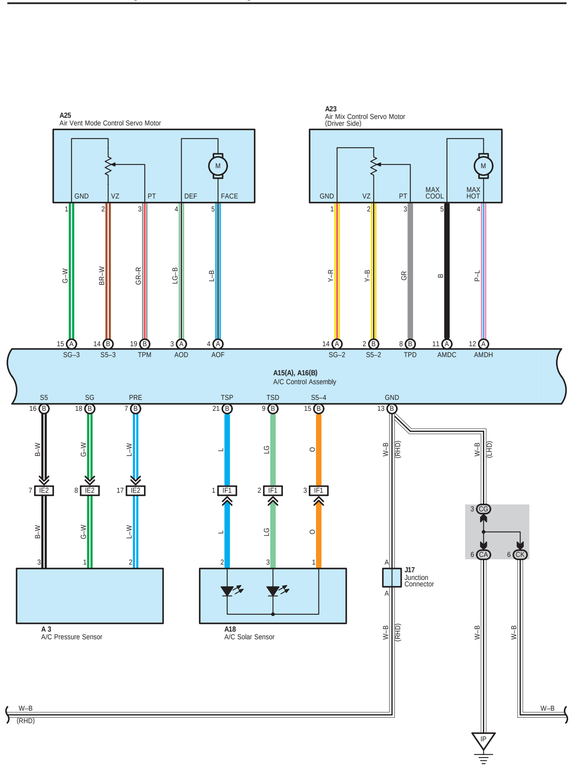
Air Conditioner (Automatic A/C) and



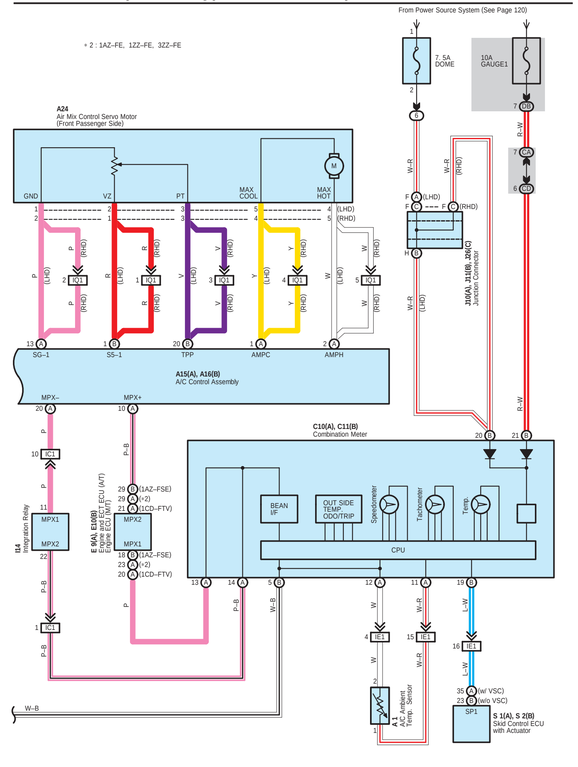
Power Heater (Hot Gas Type Automatic A/C)



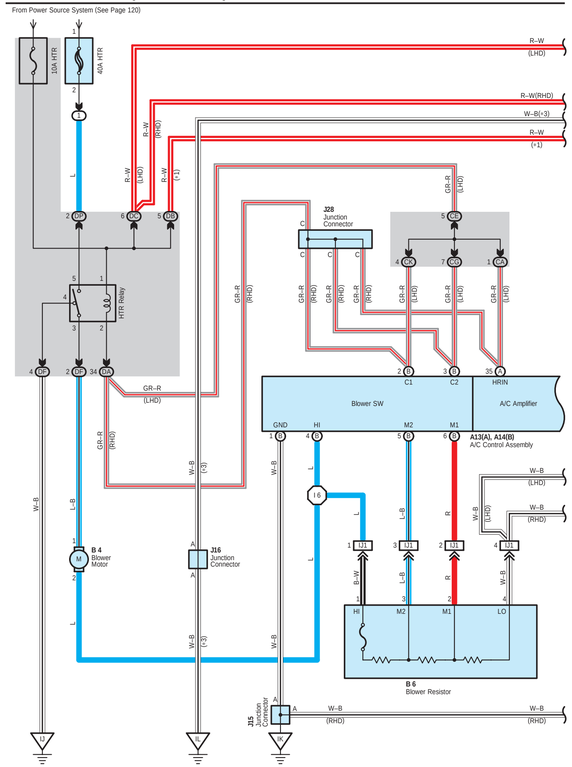
Air Conditioner (Automatic A/C) and



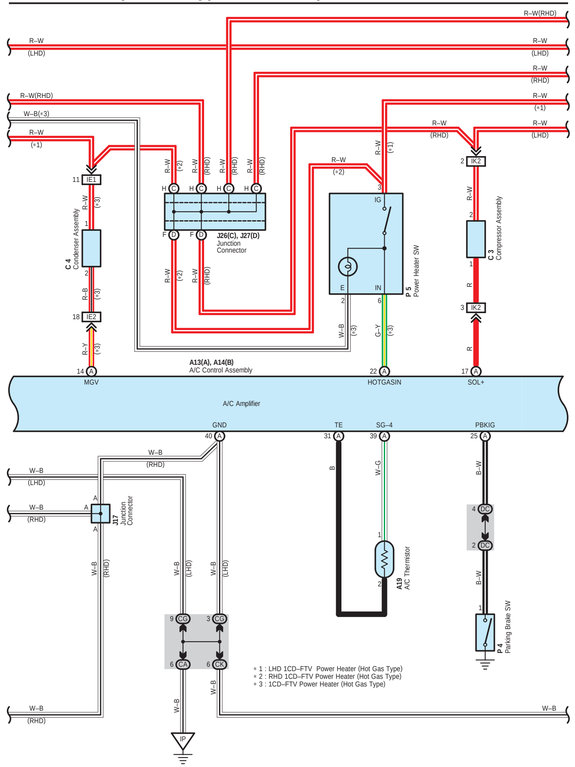
Power Heater (Hot Gas Type Automatic A/C)



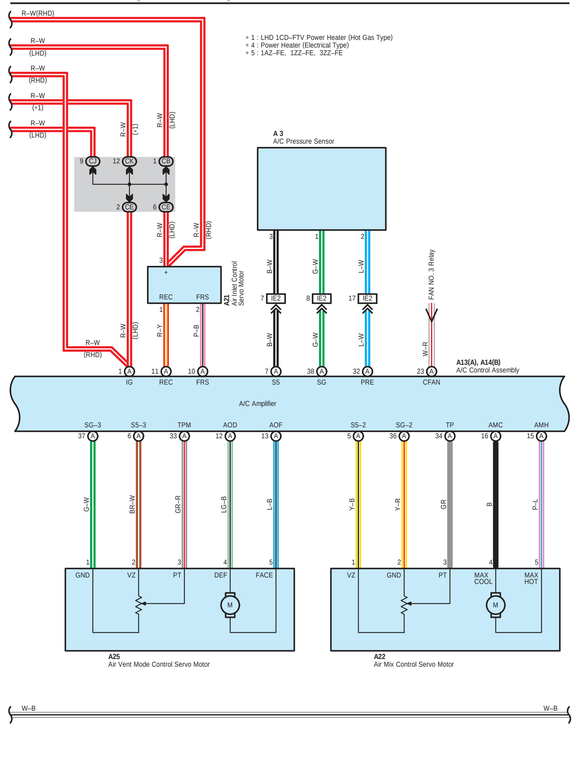
Air Conditioner (Manual A/C) and



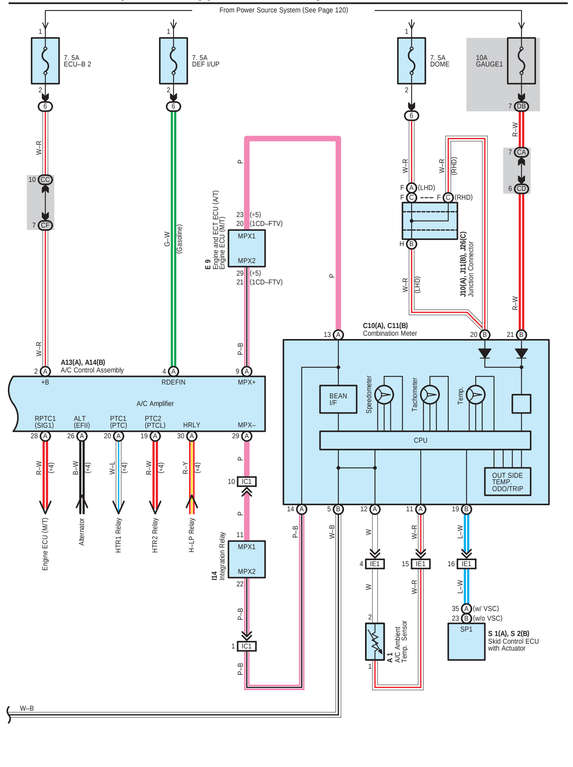
Power Heater (Hot Gas Type Manual A/C)



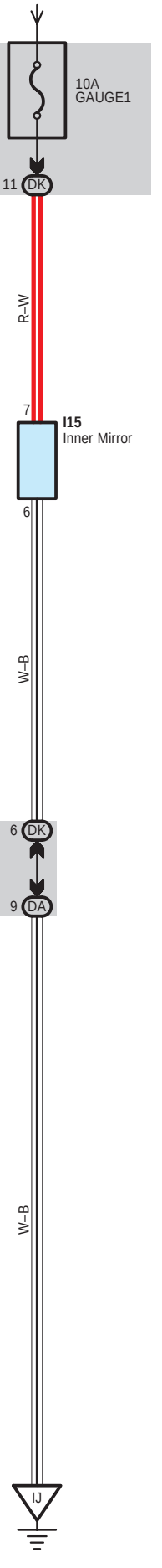
Air Conditioner (Manual A/C) and



Power Heater (Hot Gas Type Manual A/C)

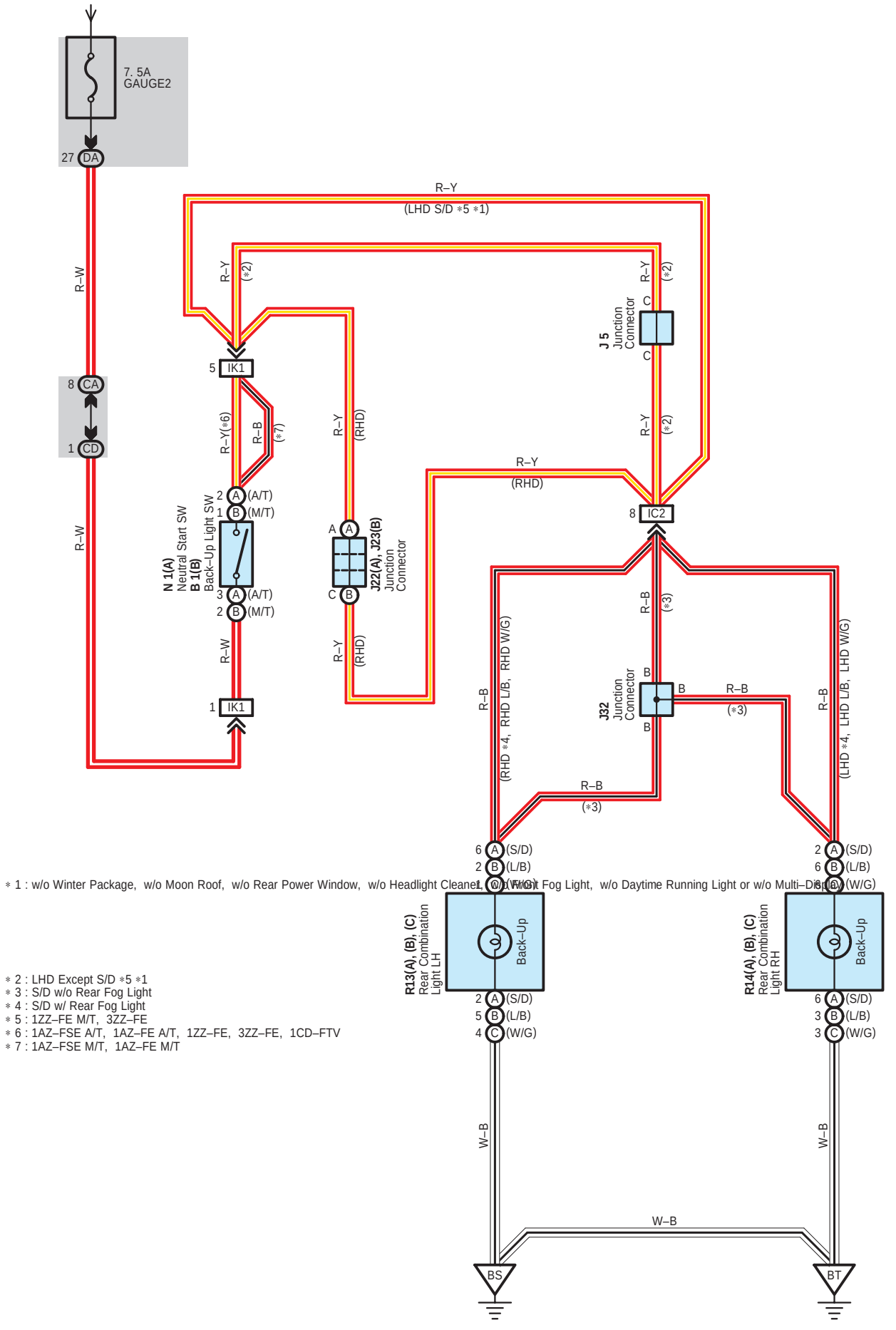


From Power Source System (See Page 120)



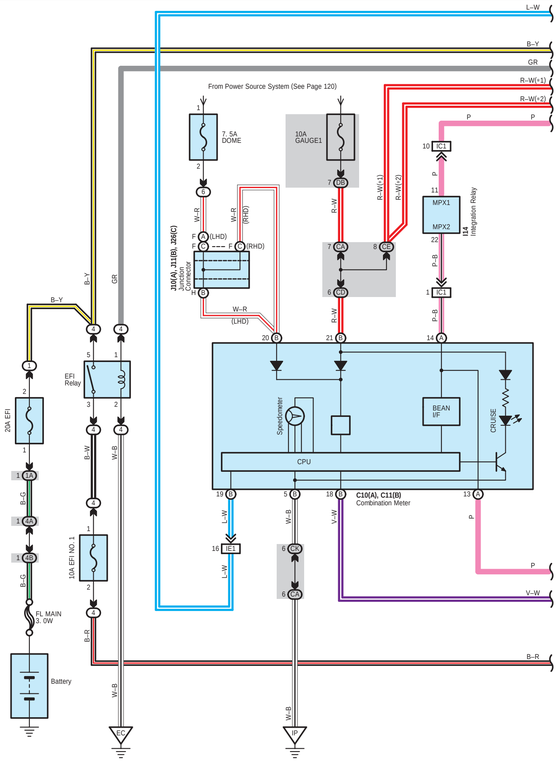
Back–Up Light

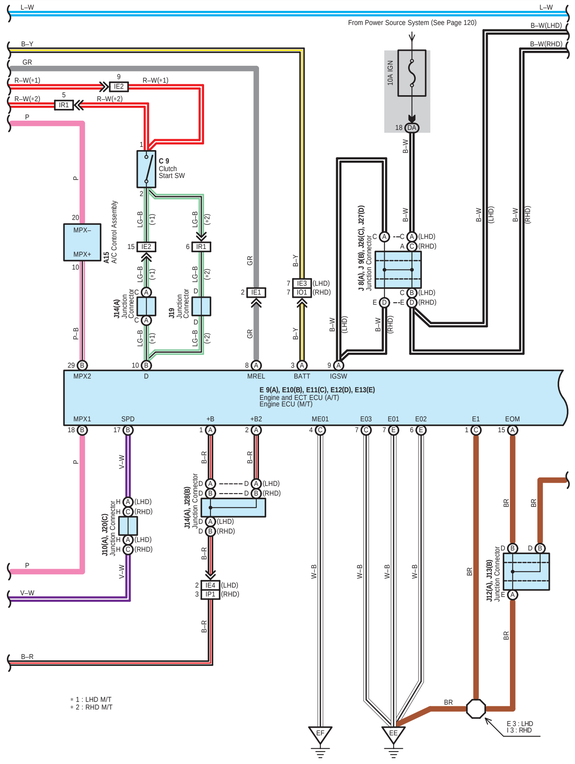
From Power Source System (See Page 120)

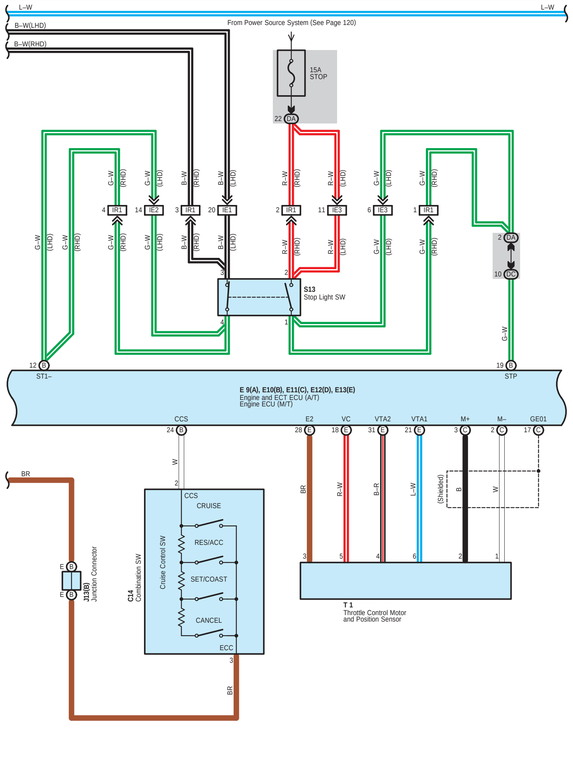


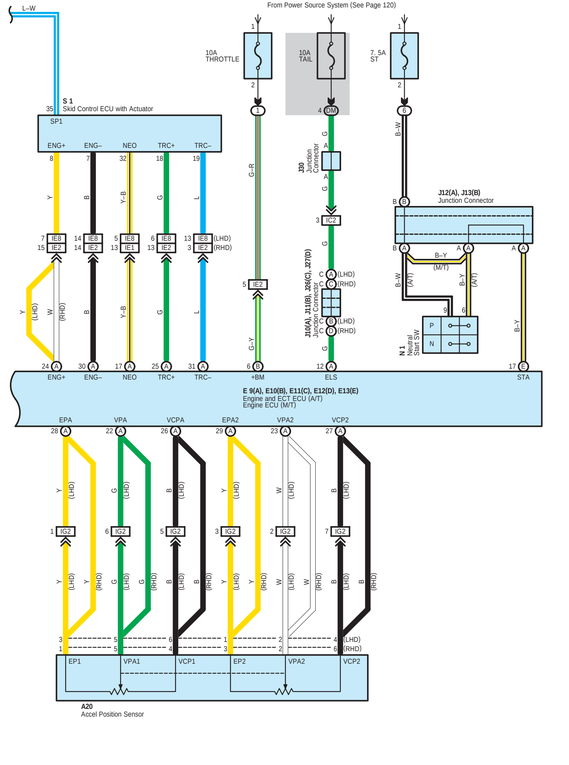
∗ 1 : w/o Winter Package, w/o Moon Roof, w/o Rear Power Window, w/o Headlight Cleaner, w/o Rear Fog Light, w/o Daytime Running Light or w/o Multi–Display

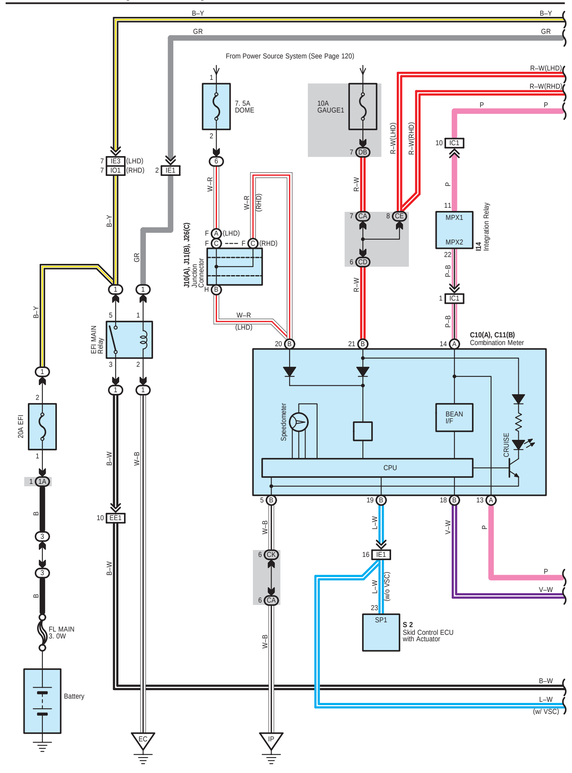
∗ 2 : LHD Except S/D ∗5 ∗1
∗ 3 : S/D w/o Rear Fog Light
∗ 4 : S/D w/ Rear Fog Light
∗ 5 : 1ZZ–FE M/T, 3ZZ–FE
∗ 6 : 1AZ–FSE A/T, 1AZ–FE A/T, 1ZZ–FE, 3ZZ–FE, 1CD–FTV
∗ 7 : 1AZ–FSE M/T, 1AZ–FE M/T

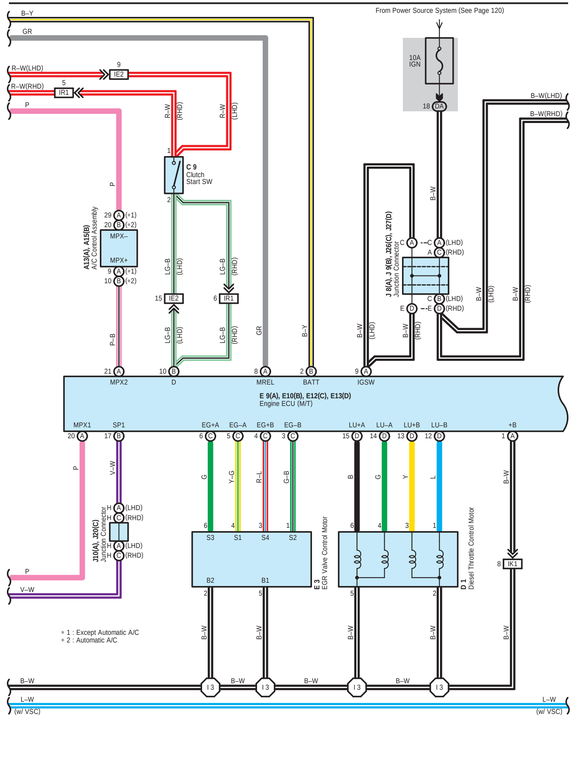

L–W
B–Y
GR
R–W(+1)
R–W(+2)
P
From Power Source System (See Page 120)
7.5A DOME
10A GAUGE1
J10(A), J11(B), J26(C) Junction Connector
W–R
W–B
(RHD)
(LHD)
W–R (LHD)
R–W
B–W
P–B
MPX1
MPX2
M4 Integration Relay
EFI Relay
20A EFI
10A EFI NO. 1
B–G
FL MAIN 3.0W
Battery
Speedometer
CPU
BEAN I/F
CRUISE
C10(A), C11(B) Combination Meter
L–W
V–W
B–R
IE1
IE2
IG1
IG2
EC

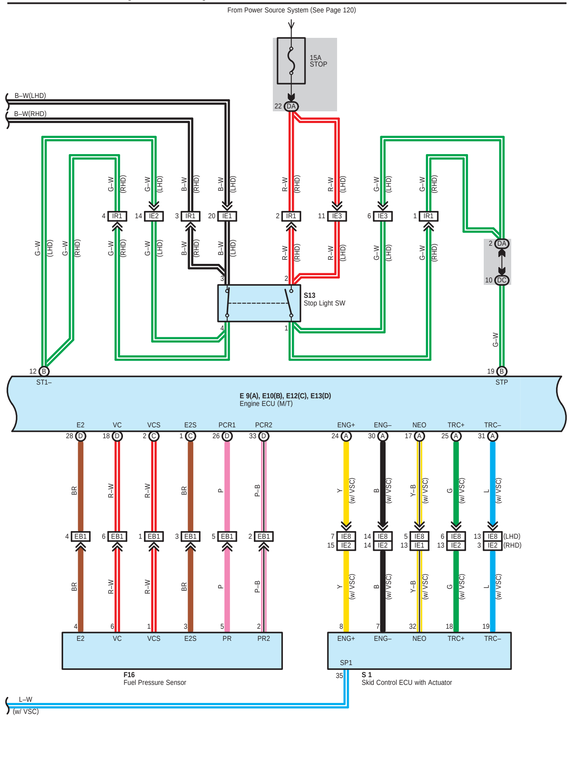

L–W
B–Y
GR
R–W(+1)
R–W(+2)
P
From Power Source System (See Page 120)
B–W(LHD)
B–W(RHD)
10A IGN
C 9 Clutch Start SW
A15 A/C Control Assembly
MPX–
MPX+
J14(A) Junction Connector
J19 Junction Connector
LG–B
(+1)
(+2)
(–)
J 9(A), J 9(B), J26(C), J27(D) Junction Connector
E 9(A), E10(B), E11(C), E12(D), E13(E) Engine and ECT ECU (A/T) Engine ECU (M/T)
MPX2
D
MREL
BATT
IGSW
MPX1
SPD
+B
+B2
ME01
E03
E01
E02
E1
EOM
J10(A), J20(C) Junction Connector
J12(A), J13(B) Junction Connector
BR
E3 : LHD
I3 : RHD
+ 1 : LHD M/T
+ 2 : RHD M/T
IE1
IE2
IR1
IR2
IE3
IO1
IE4
IP1
EC

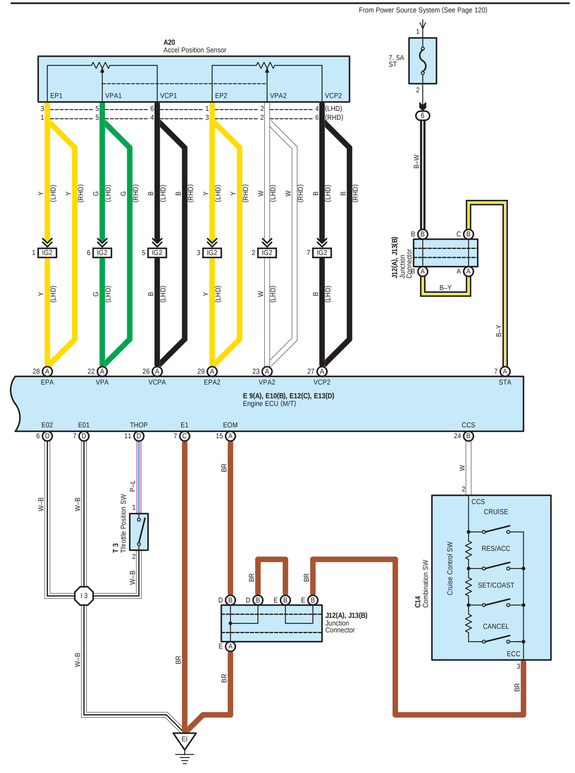

L–W
B–W(LHD)
B–W(RHD)
From Power Source System (See Page 120)
15A STOP
S13 Stop Light SW
G–W
(LHD)
(RHD)
B–W
R–W
ST1–
STP
E 9(A), E10(B), E11(C), E12(D), E13(E) Engine and ECT ECU (A/T) Engine ECU (M/T)
CCS
E2
VC
VTA2
VTA1
M+
M–
GE01
CRUISE
RES/ACC
SET/COAST
CANCEL
ECC
Cruise Control SW
C14 Combination SW
J13(B) Junction Connector
T 1 Throttle Control Motor and Position Sensor
(Shielded)
BR


L–W
From Power Source System (See Page 120)
S 1 Skid Control ECU with Actuator
SP1
ENG+
ENG–
NEO
TRC+
TRC–
10A THROTTLE
10A TAIL
7.5A ST
J20 Junction Connector
J10(A), J11(B), J26(C), J27(D) Junction Connector
J12(A), J13(B) Junction Connector
N 1 Neutral Start SW
+BM
ELS
STA
E 9(A), E10(B), E11(C), E12(D), E13(E) Engine and ECT ECU (A/T) Engine ECU (M/T)
EPA
VPA
VCPA
EPA2
VPA2
VCP2
EP1
VPA1
VCP1
EP2
VPA2
VCP2
A20 Accel Position Sensor
(A/T)
(M/T)
(LHD)
(RHD)

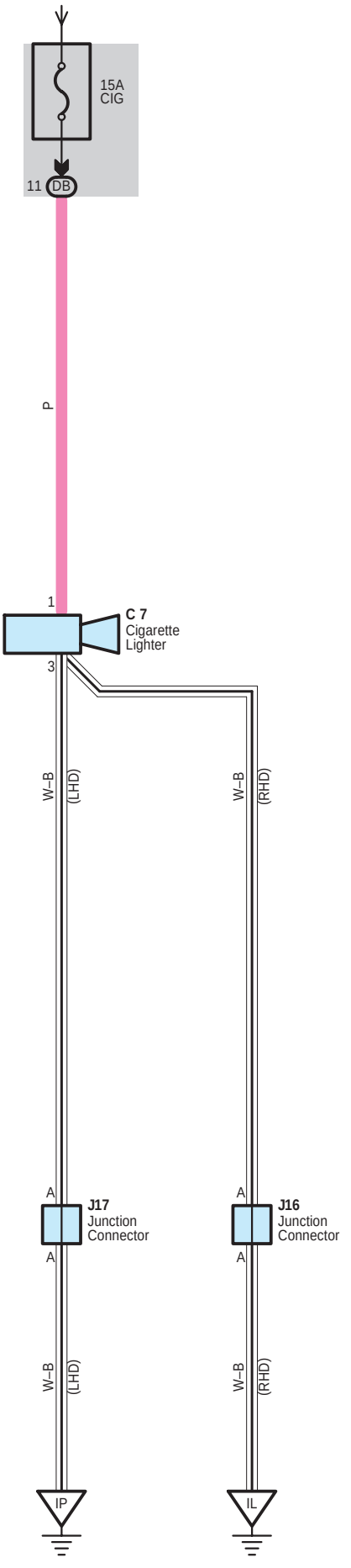

From Power Source System (See Page 120)
7.5A DOME
10A GAUGE1
EFI MAIN Relay
20A EFI
FL MAIN 3.0W
Battery
J10(A), J11(B), J19(C) Junction Connector
C10(A), C11(B) Combination Meter
Speedometer
BEAN I/F
CRUISE
CPU
MPX1
MPX2
Integration Relay
S 2 Skid Control ECU with Actuator
(with VSC)
(LHD)
(RHD)


From Power Source System (See Page 120)
10A IGN
C 9 Clutch Start SW
A13(A), A16(B) A/C Control Assembly
J 9(A), J 9(B), J 20(C), J 27(D) Junction Connector
E 9(A), E10(B), E12(C), E13(D) Engine ECU (M/T)
MPX2
D
MREL
BATT
IGSW
J10(A), J20(C) Junction Connector
E 3 EGR Valve Control Motor
D 1 Diesel Throttle Control Motor
+ 1 : Except Automatic A/C
+ 2 : Automatic A/C
(LHD)
(RHD)

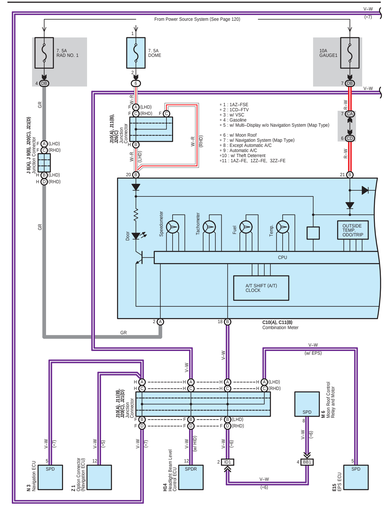

From Power Source System (See Page 120)
15A STOP
S13 Stop Light SW
E 9(A), E10(B), E12(C), E13(D) Engine ECU (M/T)
ST1–
STP
F16 Fuel Pressure Sensor
S 1 Skid Control ECU with Actuator
(with VSC)
(LHD)
(RHD)


From Power Source System (See Page 120)
A20 Accel Position Sensor
7.5A ST
E 9(A), E10(B), E12(C), E13(D) Engine ECU (M/T)
EPA
VPA
VCPA
EPA2
VPA2
VCP2
STA
T 3 Throttle Position SW
J12(A), J13(B) Junction Connector
C14 Combination SW
Cruise Control SW
CRUISE
RES/ACC
SET/COAST
CANCEL
ECC
(LHD)
(RHD)

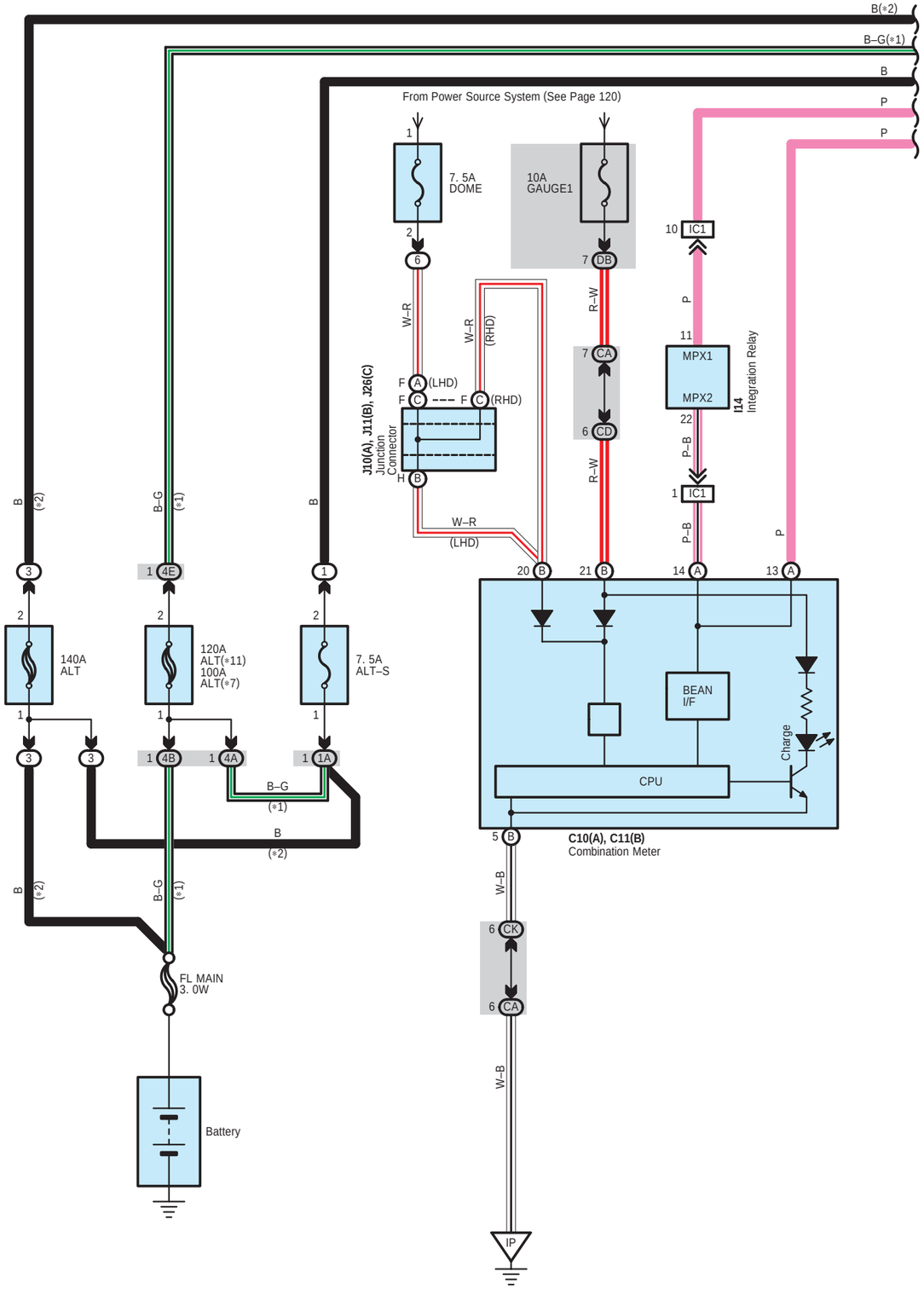
From Power Source System (See Page 120)

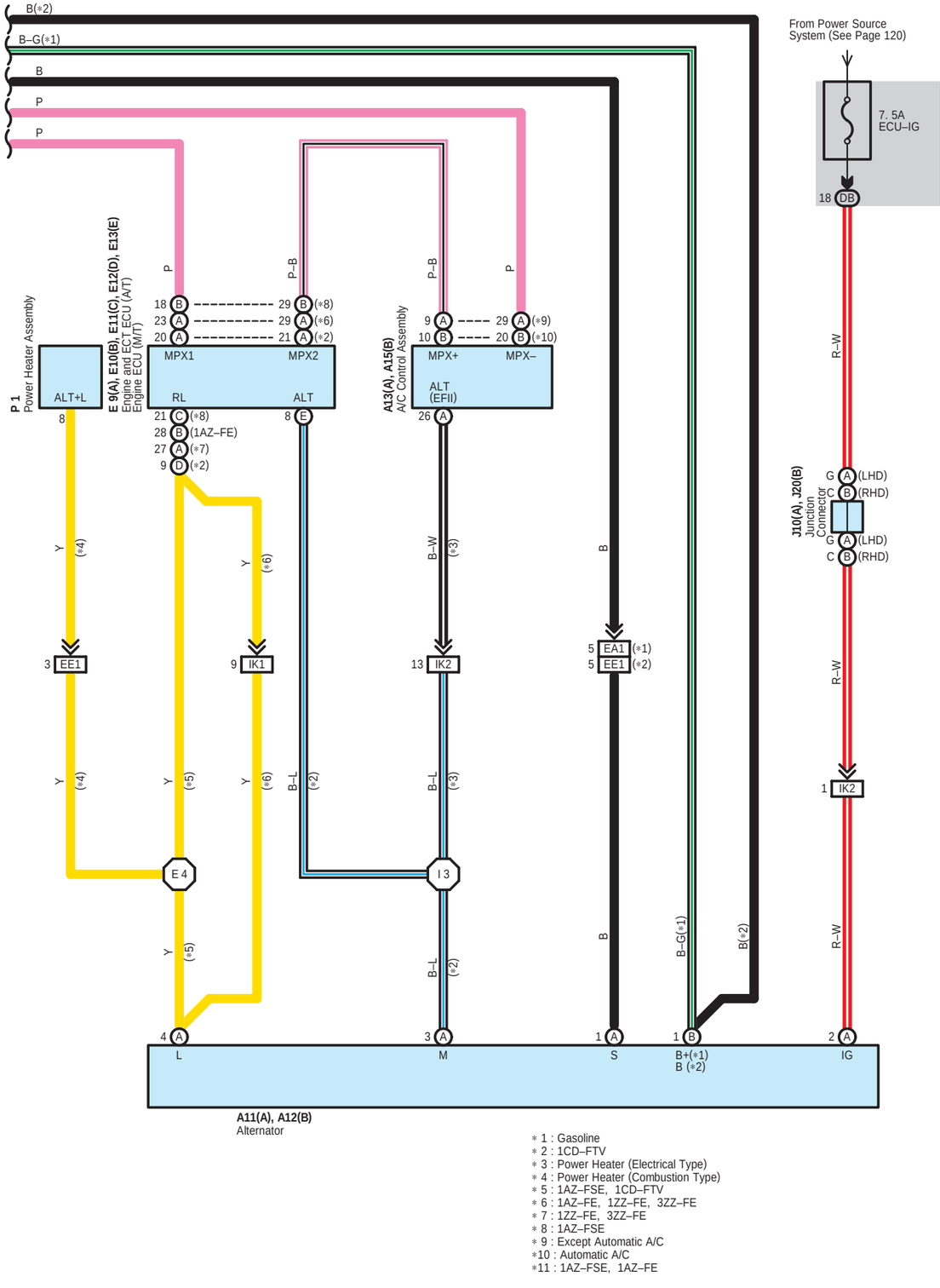


Combination Meter

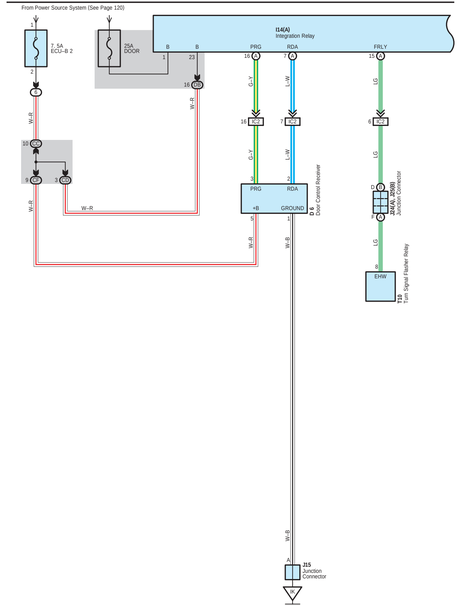


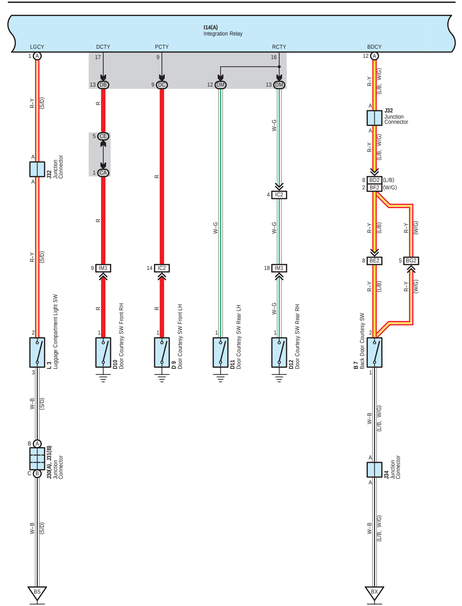
Charging


B(*2)
B–G(*1)
B
P
P
From Power Source System (See Page 120)
7. 5A DOME
10A GAUGE1
IC1
MPX1
MPX2
I14 Integration Relay
J10(A), J11(B), J26(C) Junction Connector
W–R
W–R (RHD)
W–R (LHD)
R–W
P–B
(LHD)
(RHD)
BEAN I/F
CPU
Charge
C10(A), C11(B) Combination Meter
W–B
IP
140A ALT
120A ALT(*11) 100A ALT(*7)
7. 5A ALT–S
B–G (*1)
B (*2)
FL MAIN 3. 0W
Battery

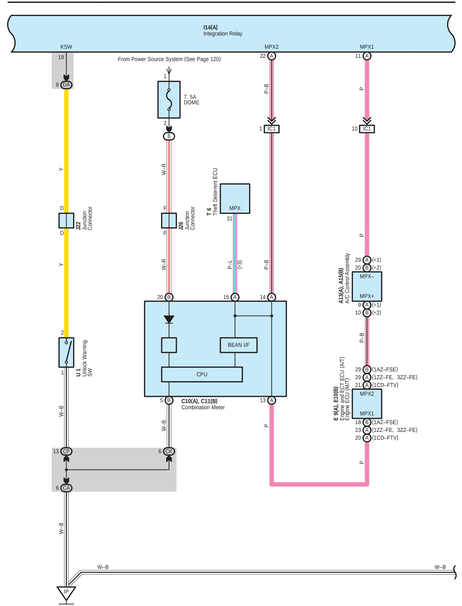

B(*2)
B–G(*1)
B
P
P
From Power Source System (See Page 120)
7. 5A ECU–IG
R–W
J10(A), J20(B) Junction Connector
(LHD)
(RHD)
P 1 Power Heater Assembly
ALT+L
E 9(A), E10(B), E11(C), E12(D), E13(E) Engine and ECT ECU (A/T) Engine ECU (M/T)
MPX1
MPX2
RL
ALT
A13(A), A15(B) A/C Control Assembly
MPX+
MPX–
ALT (EFII)
P–B
Y
B–W
B–L
B
B–G(*1)
B(*2)
EE1
IK1
IK2
EA1
E 4
I 3
L
M
S
B+(*1) B (*2)
IG
A11(A), A12(B) Alternator
*1 : Gasoline
*2 : 1CD–FTV
*3 : Power Heater (Electrical Type)
*4 : Power Heater (Combustion Type)
*5 : 1AZ–FSE, 1CD–FTV
*6 : 1AZ–FE, 1ZZ–FE, 3ZZ–FE
*7 : 1ZZ–FE, 3ZZ–FE
*8 : 1AZ–FSE
*9 : Except Automatic A/C
*10 : Automatic A/C
*11 : 1AZ–FSE, 1AZ–FE

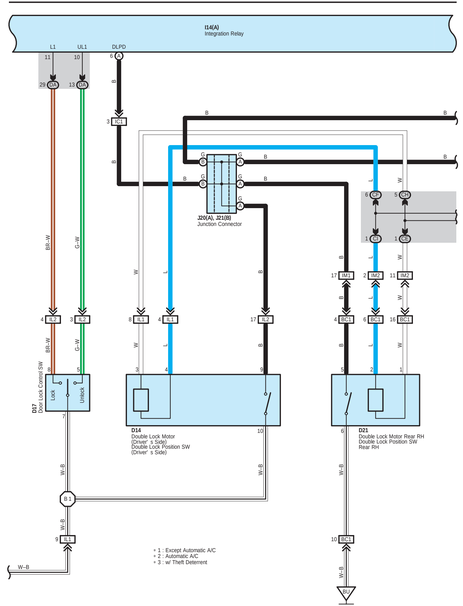
Double Locking



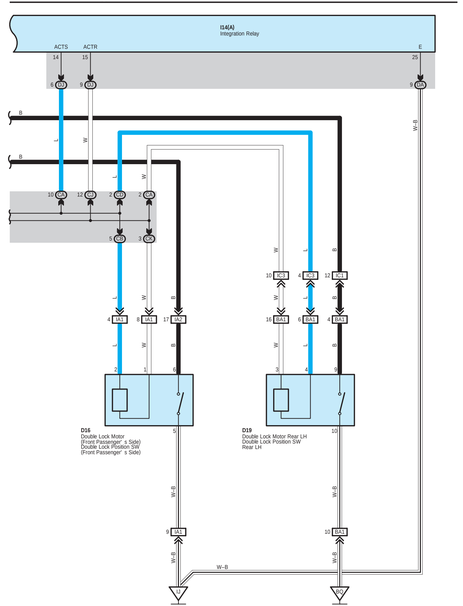


Double Locking

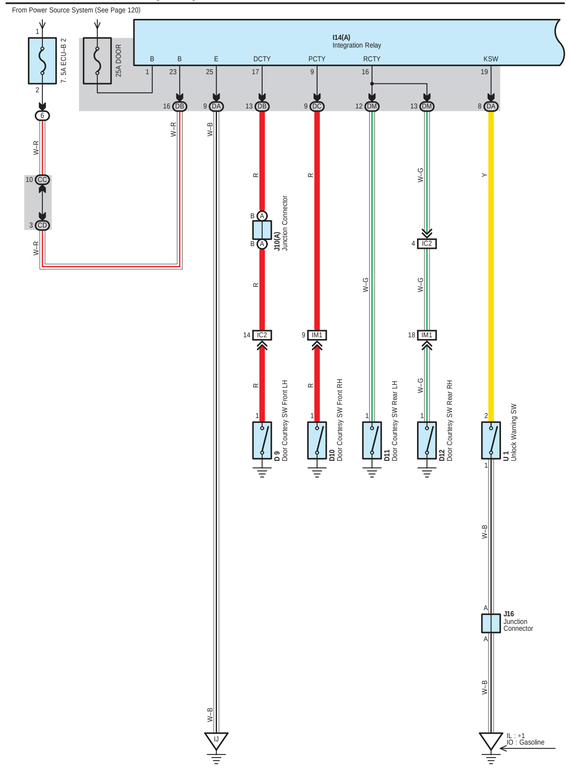


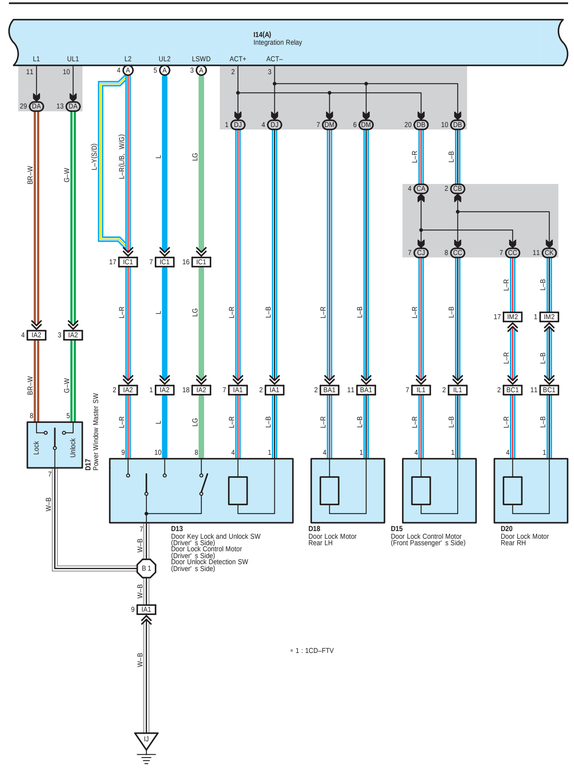


Double Locking

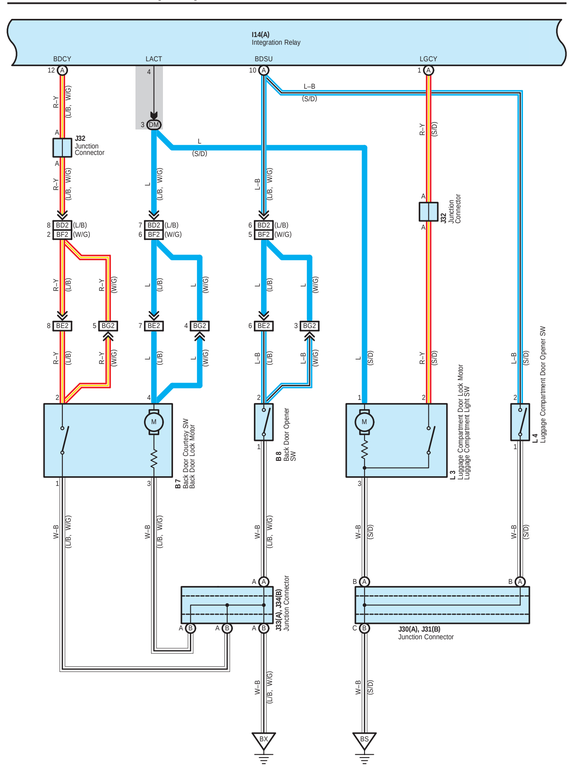


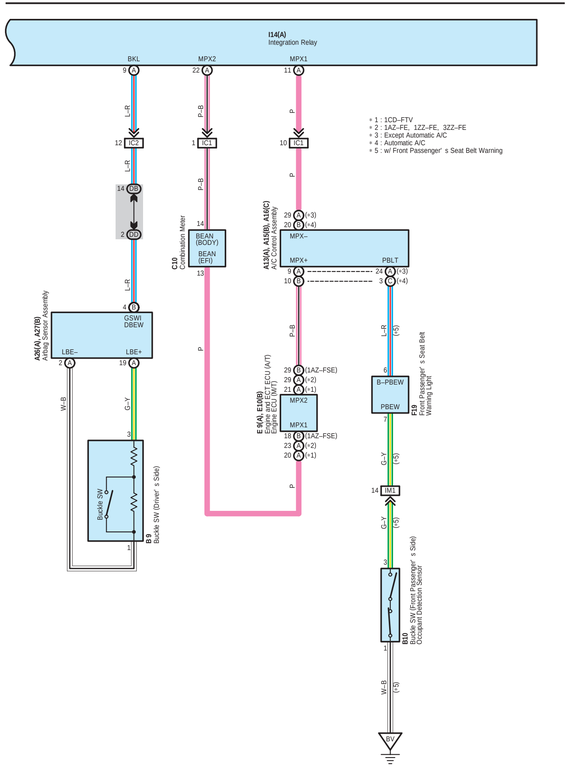
Door Lock Control (LHD)



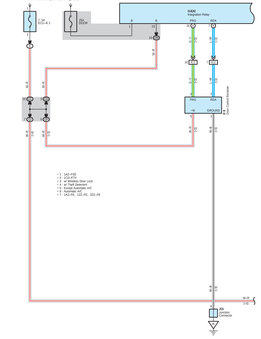


Door Lock Control (LHD)

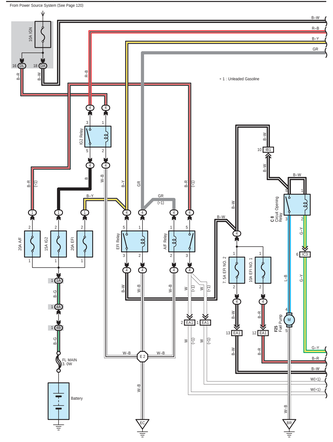


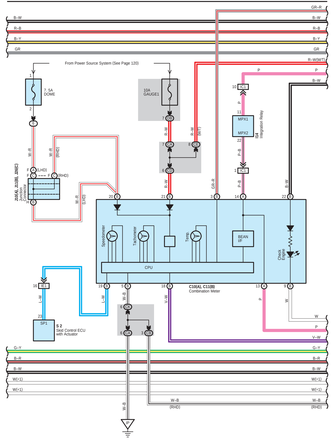


Door Lock Control (RHD) and Theft Deterrent

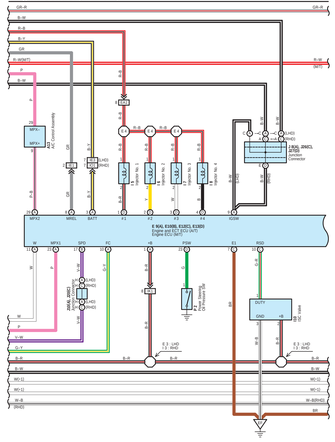

From Power Source System (See Page 120)
GAIE
Integration Relay
+ : Ignition Coil #1
+ : Ignition Coil #2
+ : w/ Rotating Door Lock
+ : w/ Engine Immobiliser
+ : w/ Auto Antenna
+ : w/ Rear Wiper Motor
+ : 1GD-FTE
+ : 2GD-FTV
+ : w/ Rotating Door Lock
+ : w/ Engine Immobiliser
+ : w/ Auto Antenna
+ : w/ Rear Wiper Motor
+ : 1AD-FHV, 1ND-TV, 2AD-FHV
+ : 1AD-FHV, 1ND-TV, 2AD-FHV
Ignition Coil #1 (for 1AD-FHV, 1ND-TV, 2AD-FHV)
Ignition Coil #2 (for 1AD-FHV, 1ND-TV, 2AD-FHV)
Ignition Coil #1 (for 1GD-FTE, 2GD-FTV)
Ignition Coil #2 (for 1GD-FTE, 2GD-FTV)

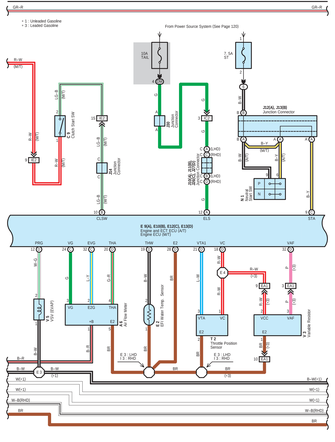
Engine Control (1AZ–FE)



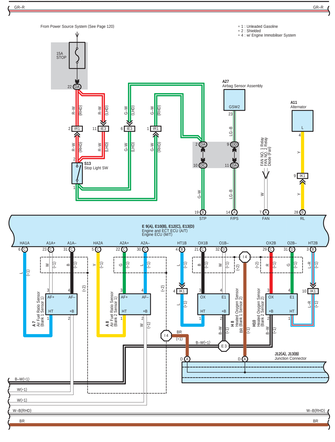


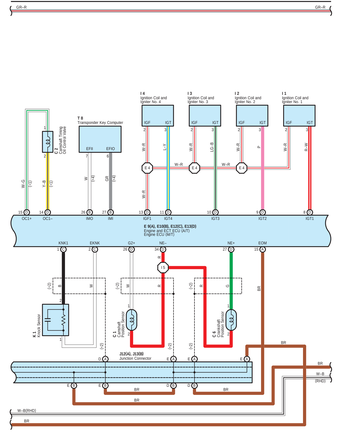
Engine Control (1AZ–FE)



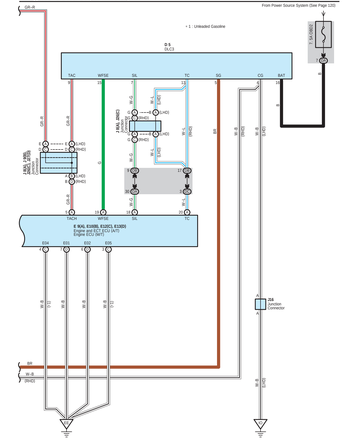


Engine Control (1AZ–FE)

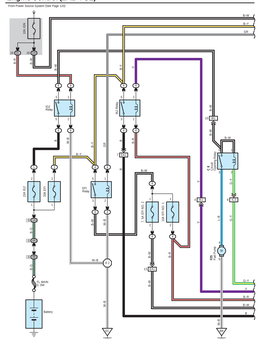


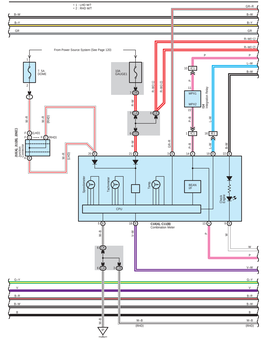


Engine Control (1AZ–FE)

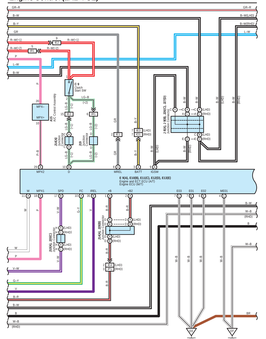


Engine Control (1AZ–FSE)

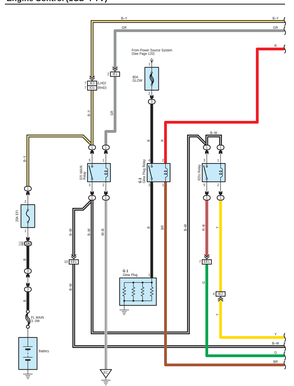


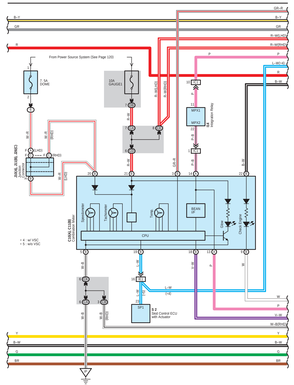


Engine Control (1AZ–FSE)

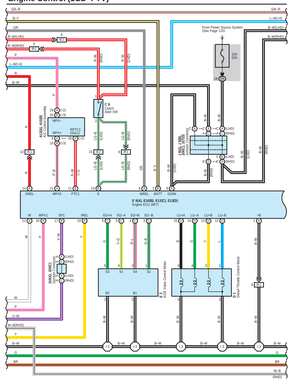

From Power Source System (See Page 110)
J/B (Main)
J/B (Engine Room)
ECM
Ignition Coil
Camshaft Position Sensor
Crankshaft Position Sensor
Knock Sensor
Heated Oxygen Sensor
Heated Oxygen Sensor (Sub)
Engine and ECT Sensor
Intake Air Temperature Sensor
Mass Air Flow Meter
Throttle Body with Motor
Throttle Position Sensor
Accelerator Pedal Position Sensor
Accelerator Pedal Position Sensor No. 2
Vapor Pressure Sensor
Purge VSV
Fuel Pump Control VSV
Fuel Pump
Fuel Sender Gauge
Fuel Level Sensor Unit
Fuel Tank Pressure Sensor
Fuel Tank Pressure Control VSV
Fuel Tank Control VSV
Fuel Tank Control VSV with Actuator
Fuel Tank Control ECU with Actuator
Fuel Tank Control ECU

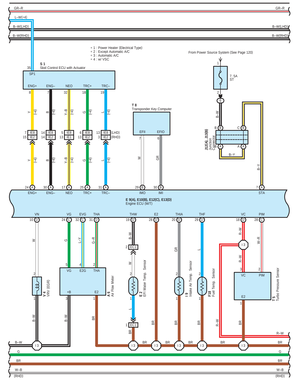
Engine Control (1CD–FTV)



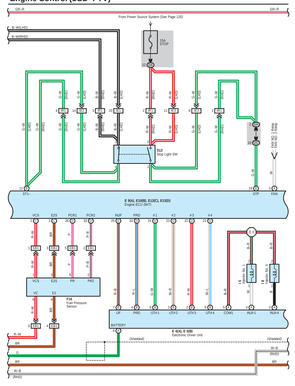


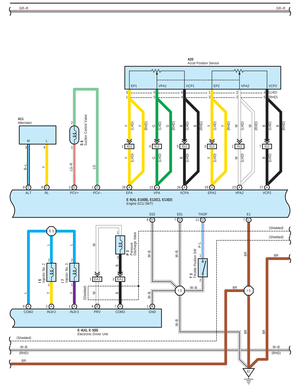
Engine Control (1CD–FTV)



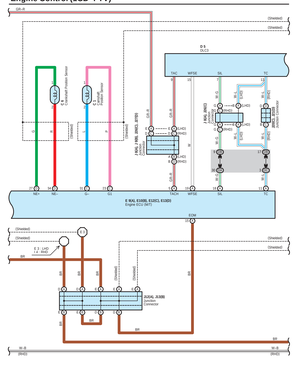


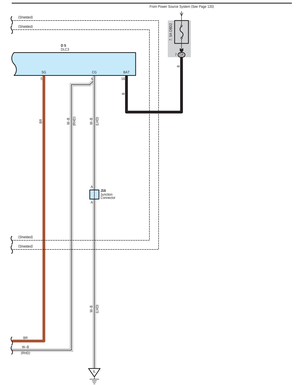
Engine Control (1CD–FTV)



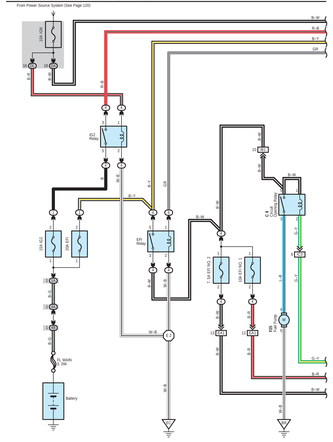


Engine Control (1CD–FTV)

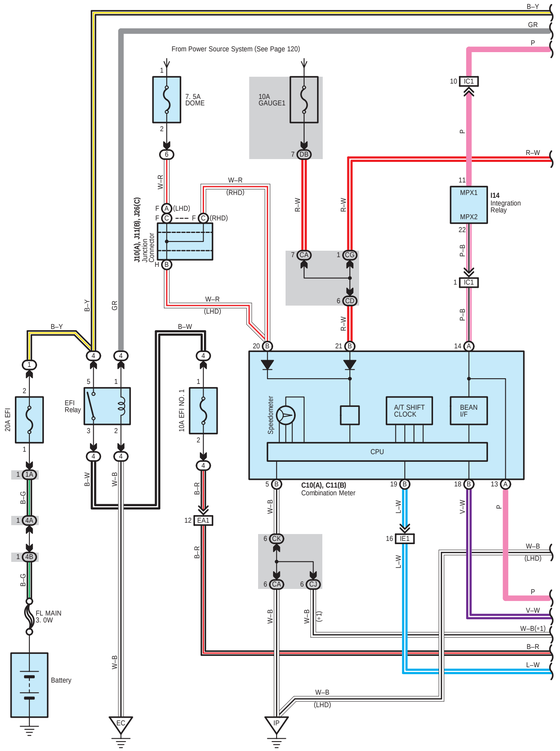


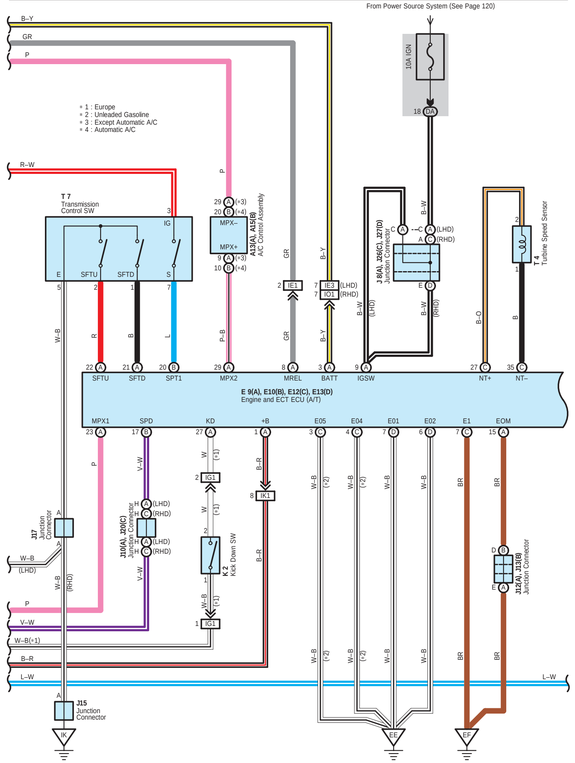


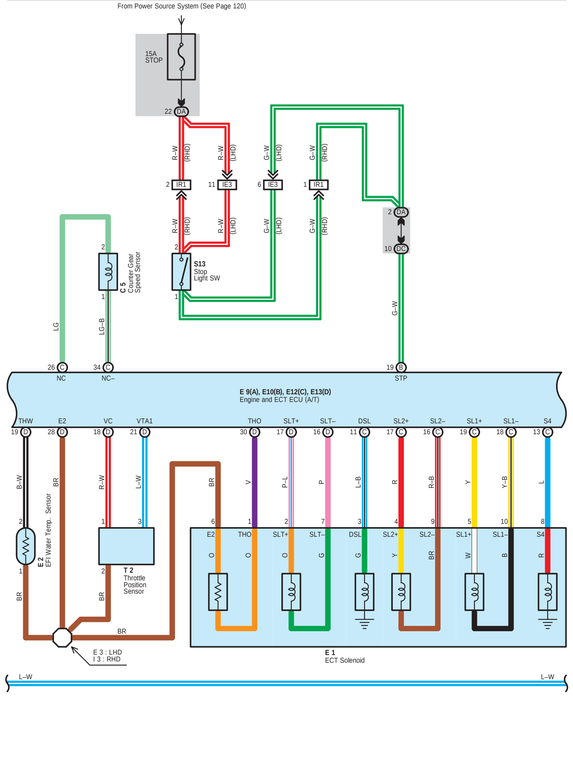
Engine Control (1ZZ–FE, 3ZZ–FE)

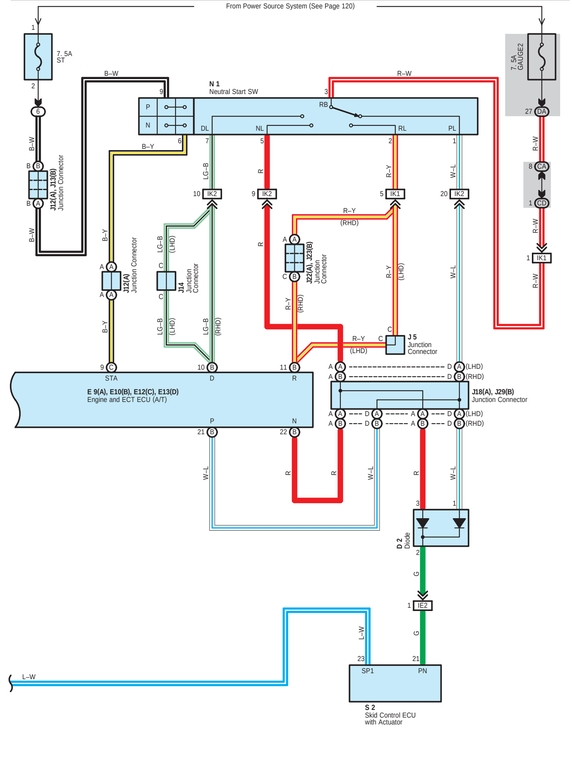

From Power Source System (See Page 120)
B–W
R–B
B–Y
G–R
2
10A
ECU-B
1
2
IG1 NO.1
IG1 NO.2
2
1
EFI
15A
1
2
2
1
ST NO.1
2
1
20A (ST NO.1)
2
1
20A (ST NO.2)
2
1
ST NO.2
2
1
ST
2
1
C-A
Crankshaft Position Sensor
C-A
Crankshaft Position Sensor
C-A
Crankshaft Position Sensor

ECT and A/T Indicator (1AZ–FE)

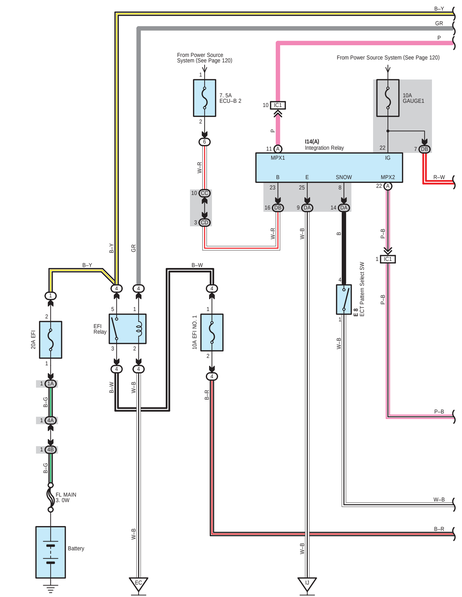


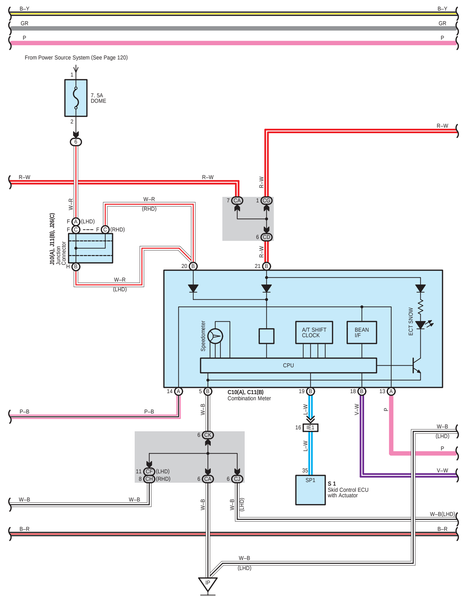




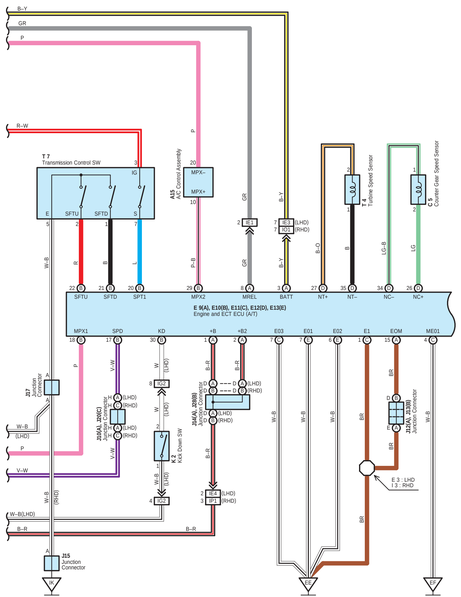


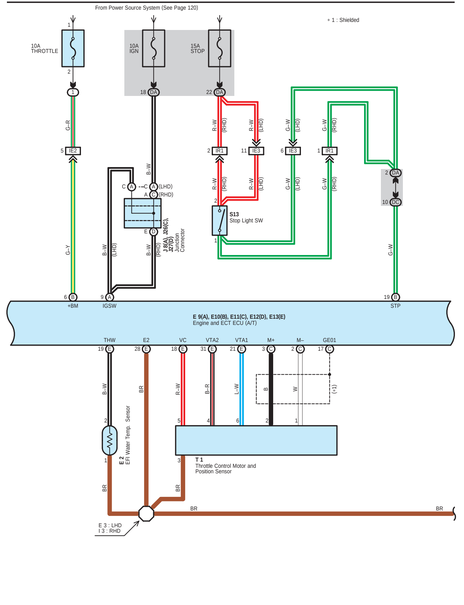
ECT and A/T Indicator (1AZ–FSE)



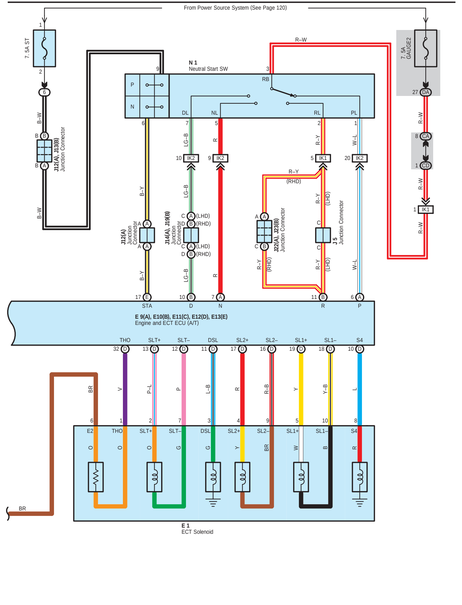


ECT and A/T Indicator (1AZ–FSE)

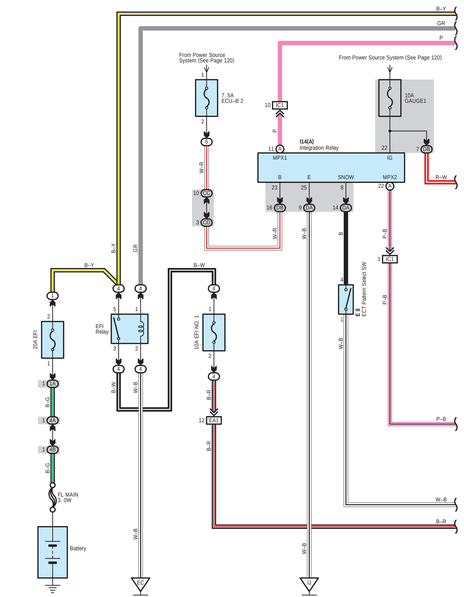


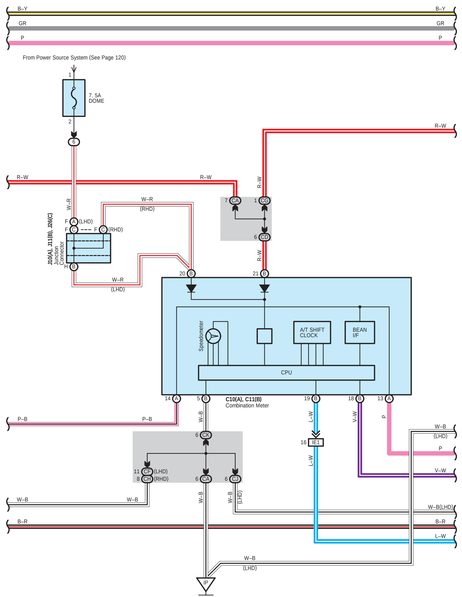


ECT and A/T Indicator (1AZ–FSE)

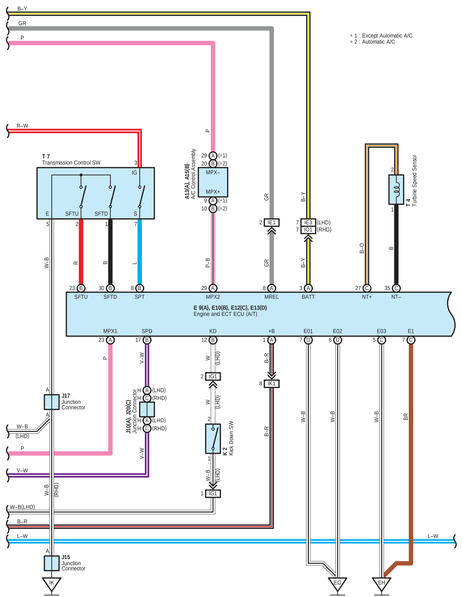


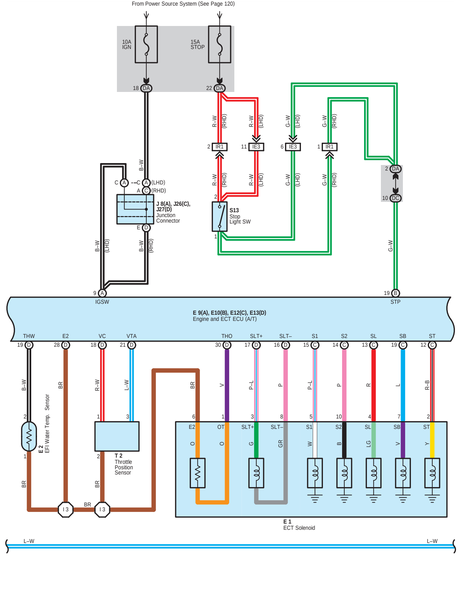
ECT and A/T Indicator (1ZZ–FE)



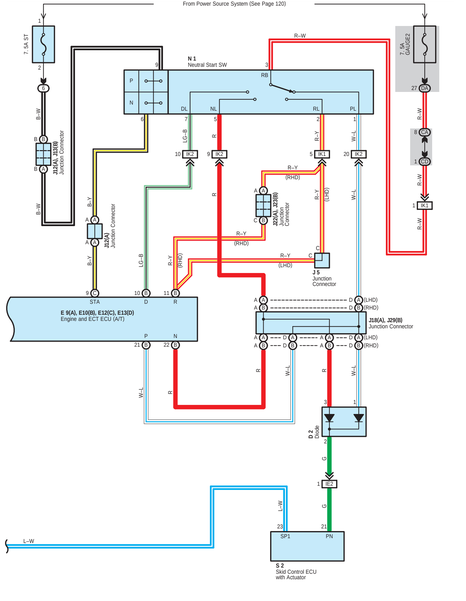


ECT and A/T Indicator (1ZZ–FE)

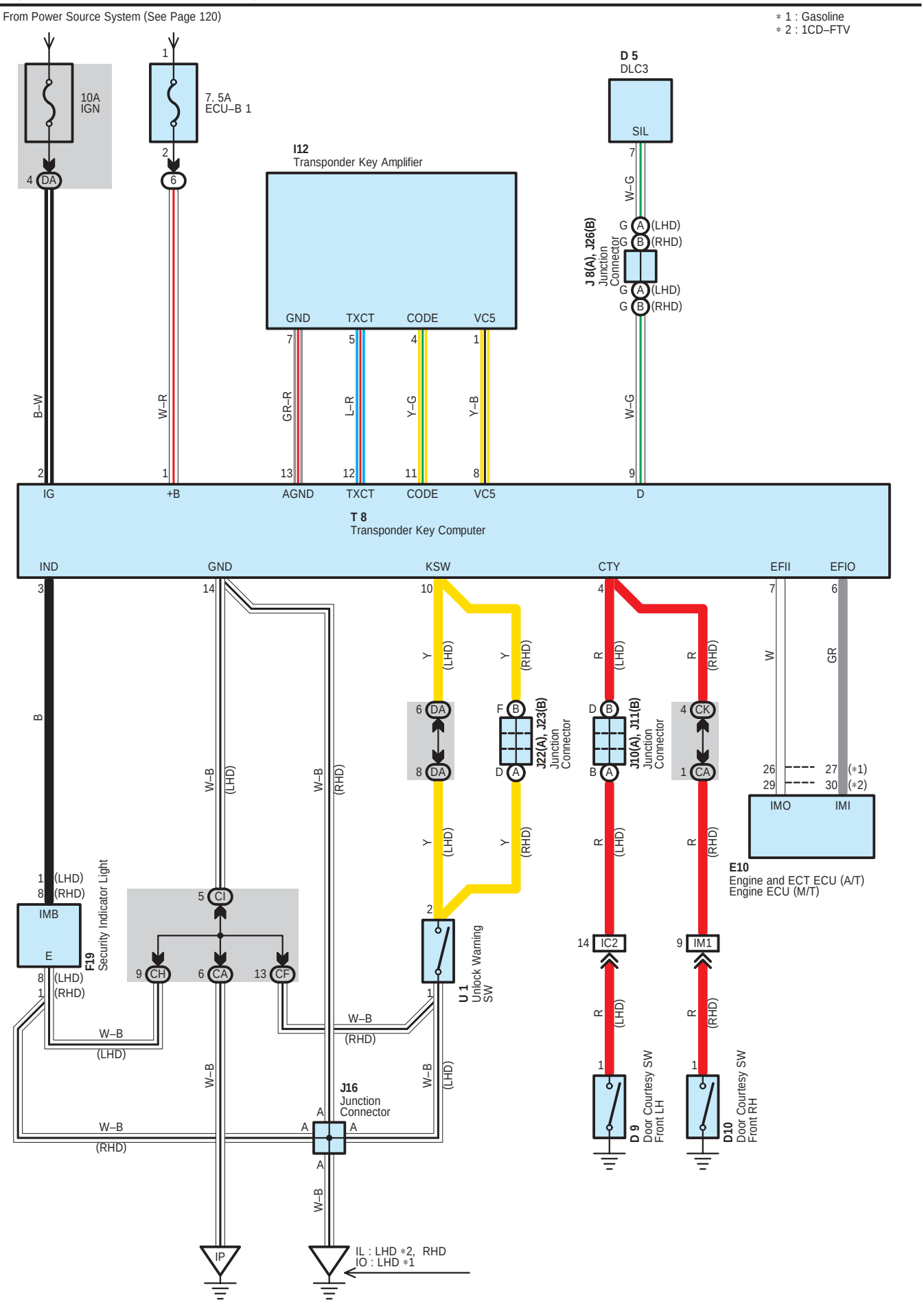




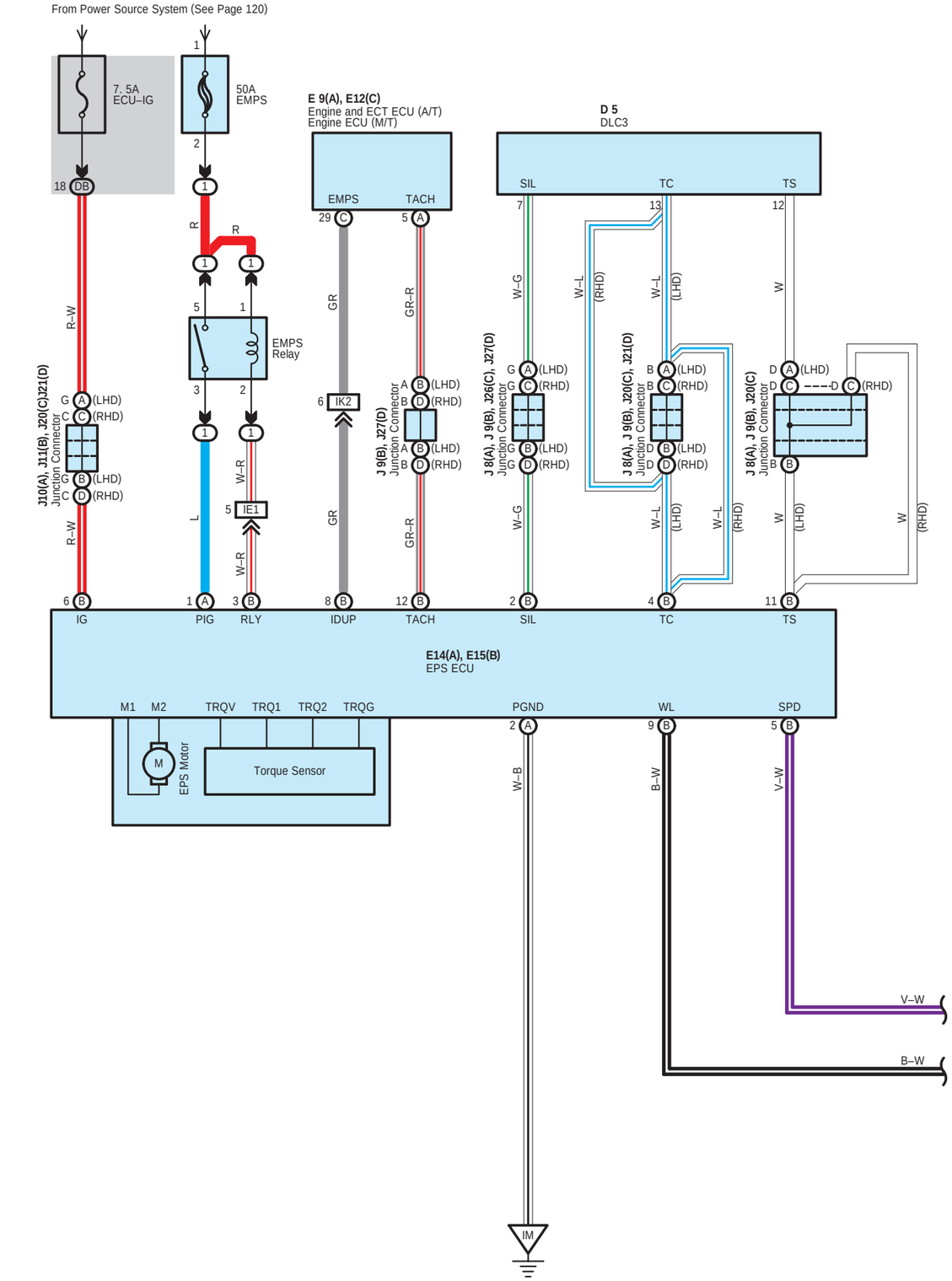
ECT and A/T Indicator (1ZZ–FE)

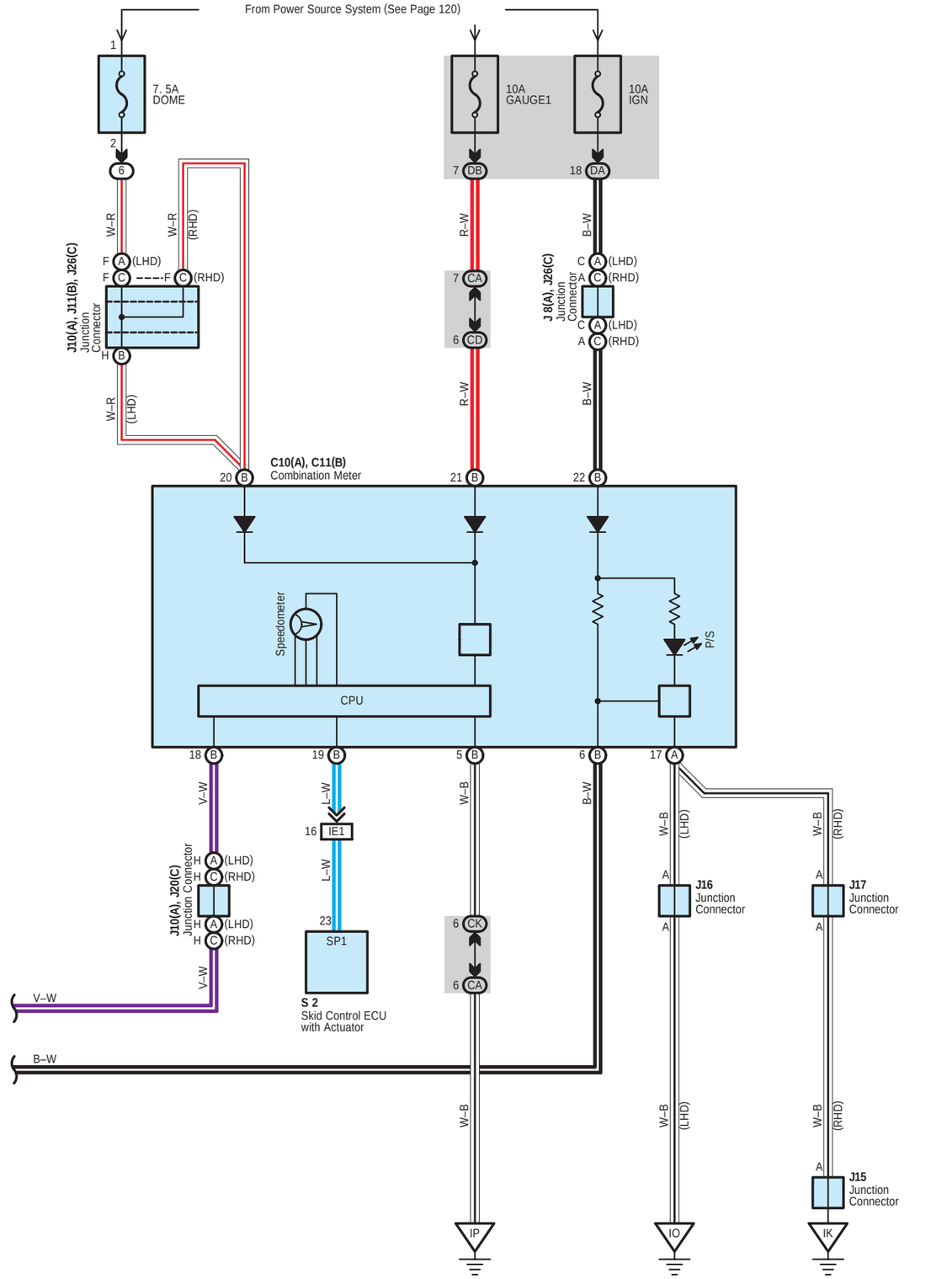


Engine Immobiliser System

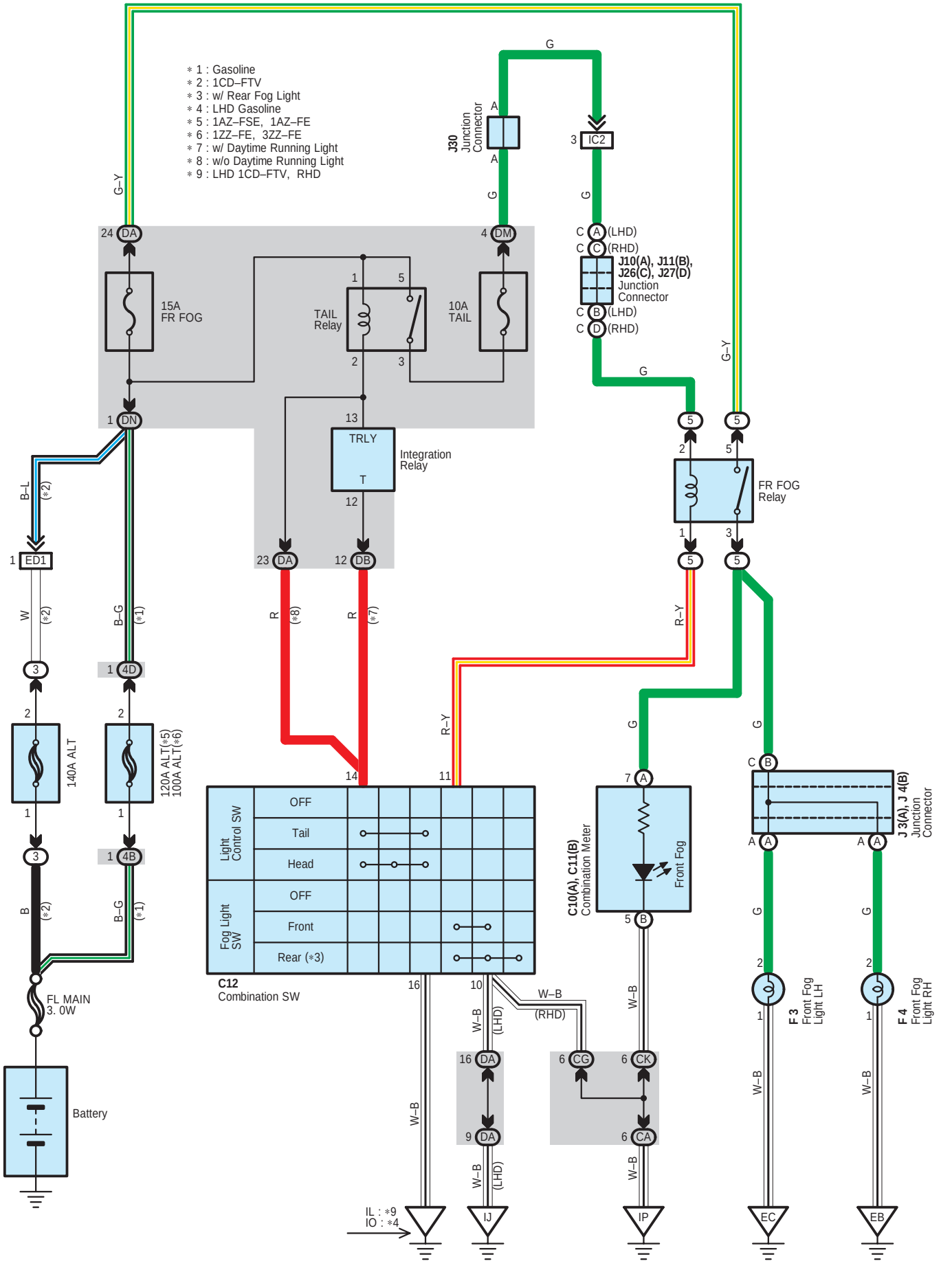


EPS

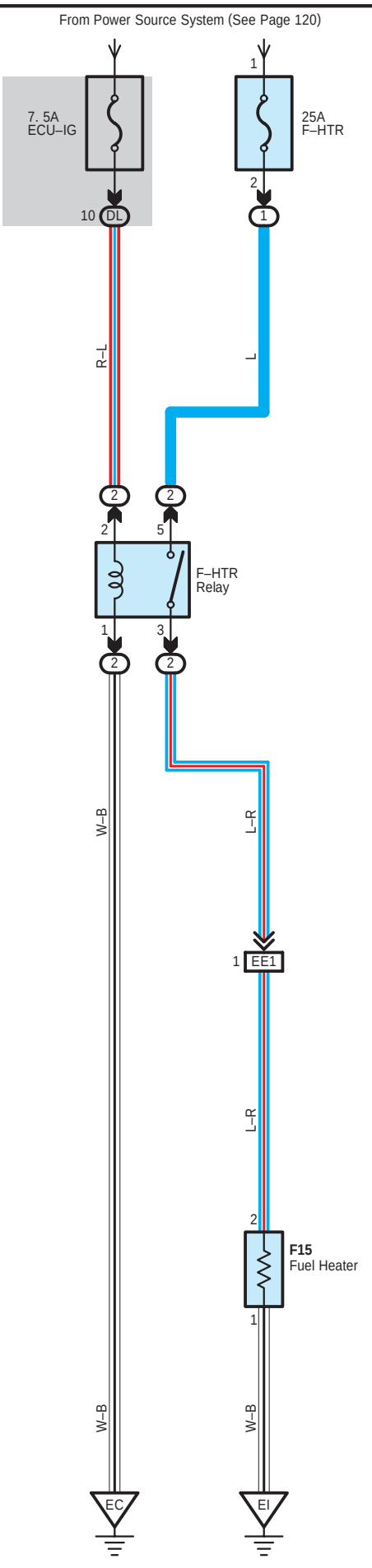

From Power Source System (See Page 120)
7. 5A
ECU–IG
50A
EMPS
E 9(A), E12(C)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
D 5
DLC3
EMPS
TACH
SIL
TC
TS
EMPS Relay
IK2
IE1
J10(A), J11(B), J20(C),J21(D)
Junction Connector
J 9(B), J27(D)
Junction Connector
J 8(A), J 9(B), J26(C), J27(D)
Junction Connector
J 8(A), J 9(B), J20(C), J21(D)
Junction Connector
J 8(A), J 9(B), J20(C)
Junction Connector
(LHD)
(RHD)
IG
PIG
RLY
IDUP
TACH
SIL
TC
TS
E14(A), E15(B)
EPS ECU
M1
M2
TRQV
TRQ1
TRQ2
TRQG
PGND
WL
SPD
M
EPS Motor
Torque Sensor
IM
V–W
B–W


From Power Source System (See Page 120)
7. 5A
DOME
10A
GAUGE1
10A
IGN
J10(A), J11(B), J26(C)
Junction Connector
J 8(A), J26(C)
Junction Connector
C10(A), C11(B)
Combination Meter
Speedometer
CPU
P/S
J10(A), J20(C)
Junction Connector
IE1
SP1
S 2
Skid Control ECU
with Actuator
J16
Junction
Connector
J17
Junction
Connector
J15
Junction
Connector
(LHD)
(RHD)
IP
IO
IK
V–W
B–W

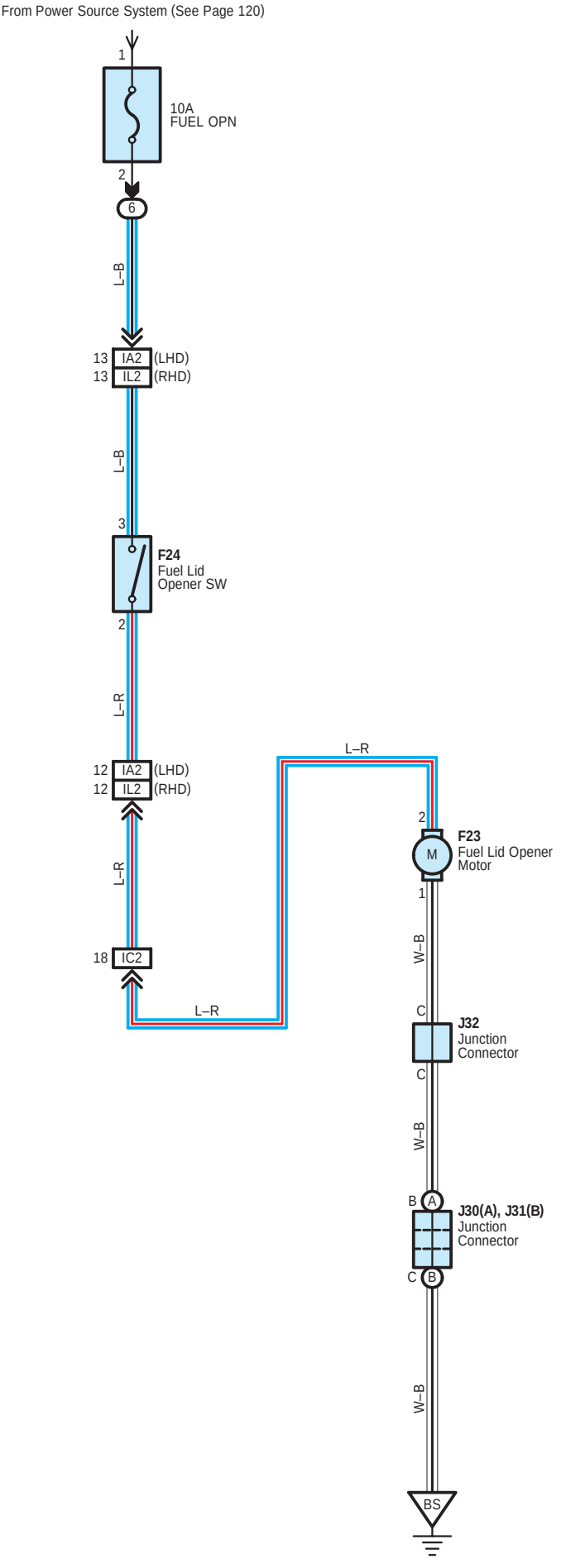
Front Fog Light



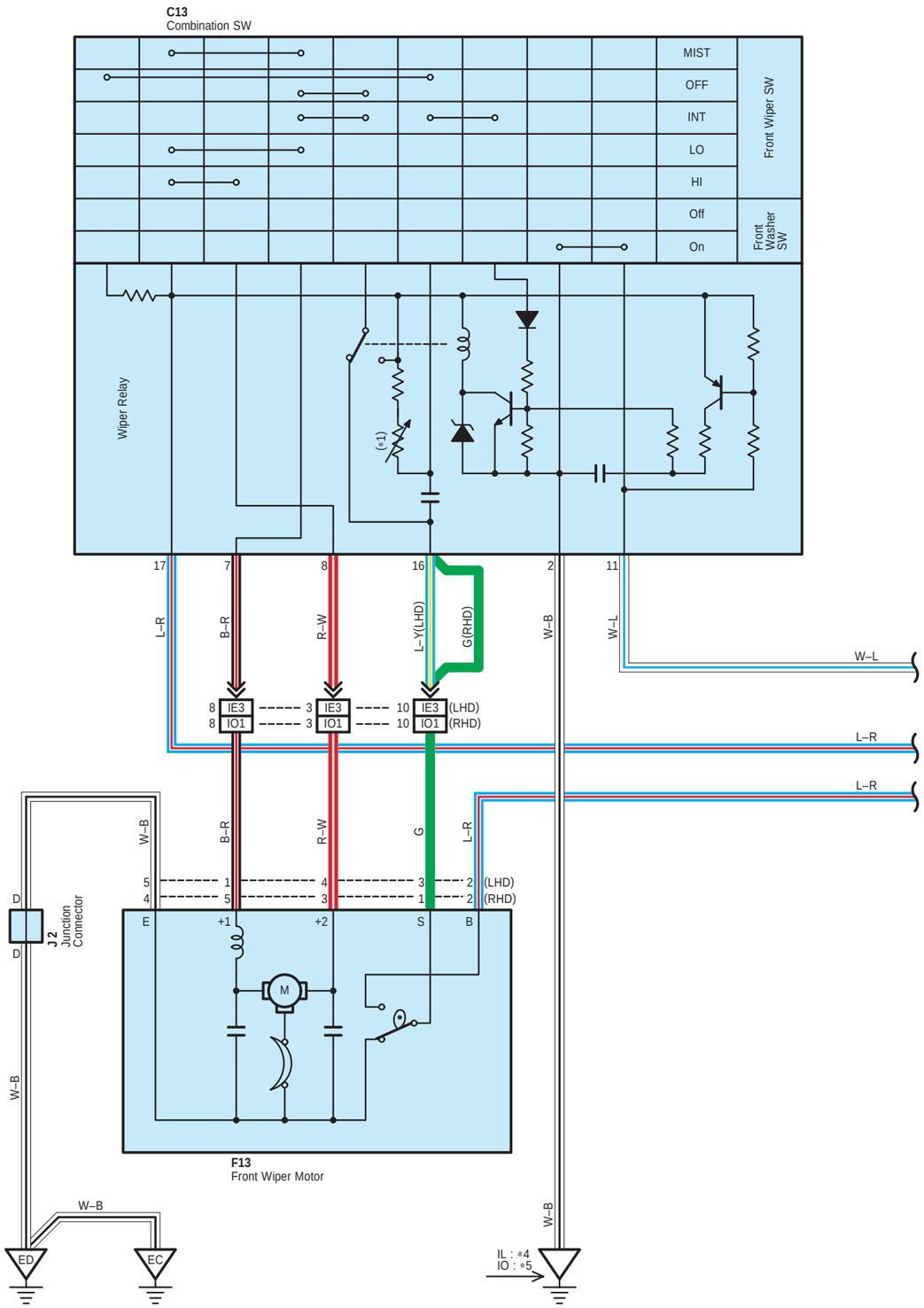
Fuel Heater


From Power Source System (See Page 120)
7. 5A
ECU–IG
10
DL
1
25A
F–HTR
2
1
R–L
L
2
2
2
5
F–HTR
Relay
1
3
2
2
W–B
L–R
1
EE1
L–R
2
F15
Fuel Heater
1
W–B
W–B
EC
EI

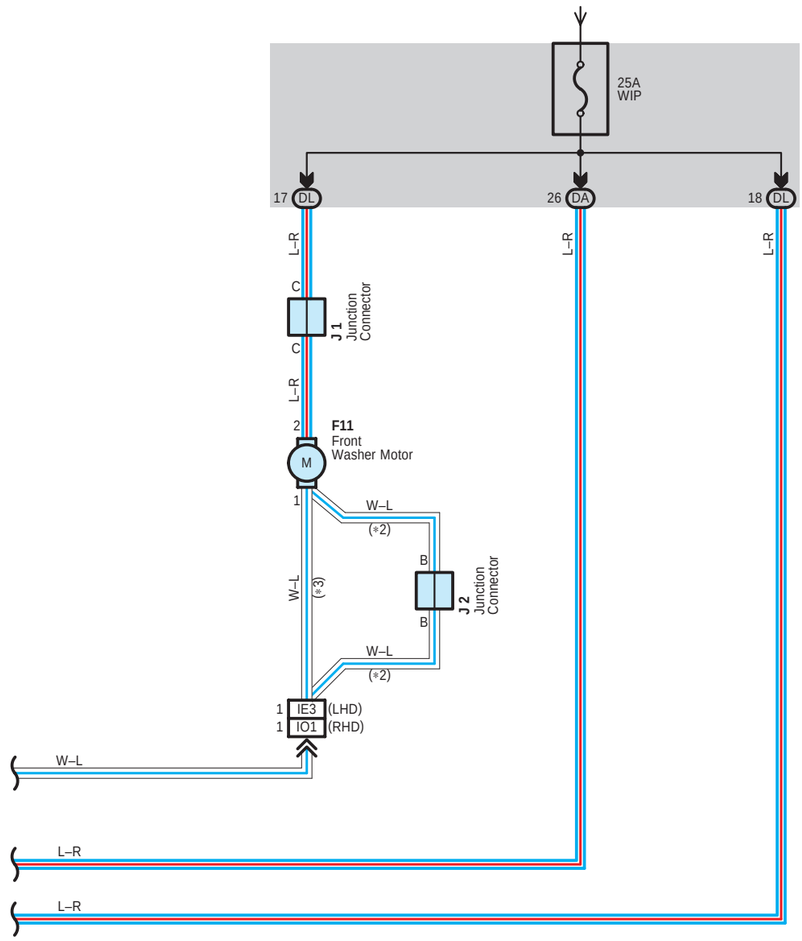
Fuel Lid Opener



Front Wiper and Washer (w/o Auto Wiper System)

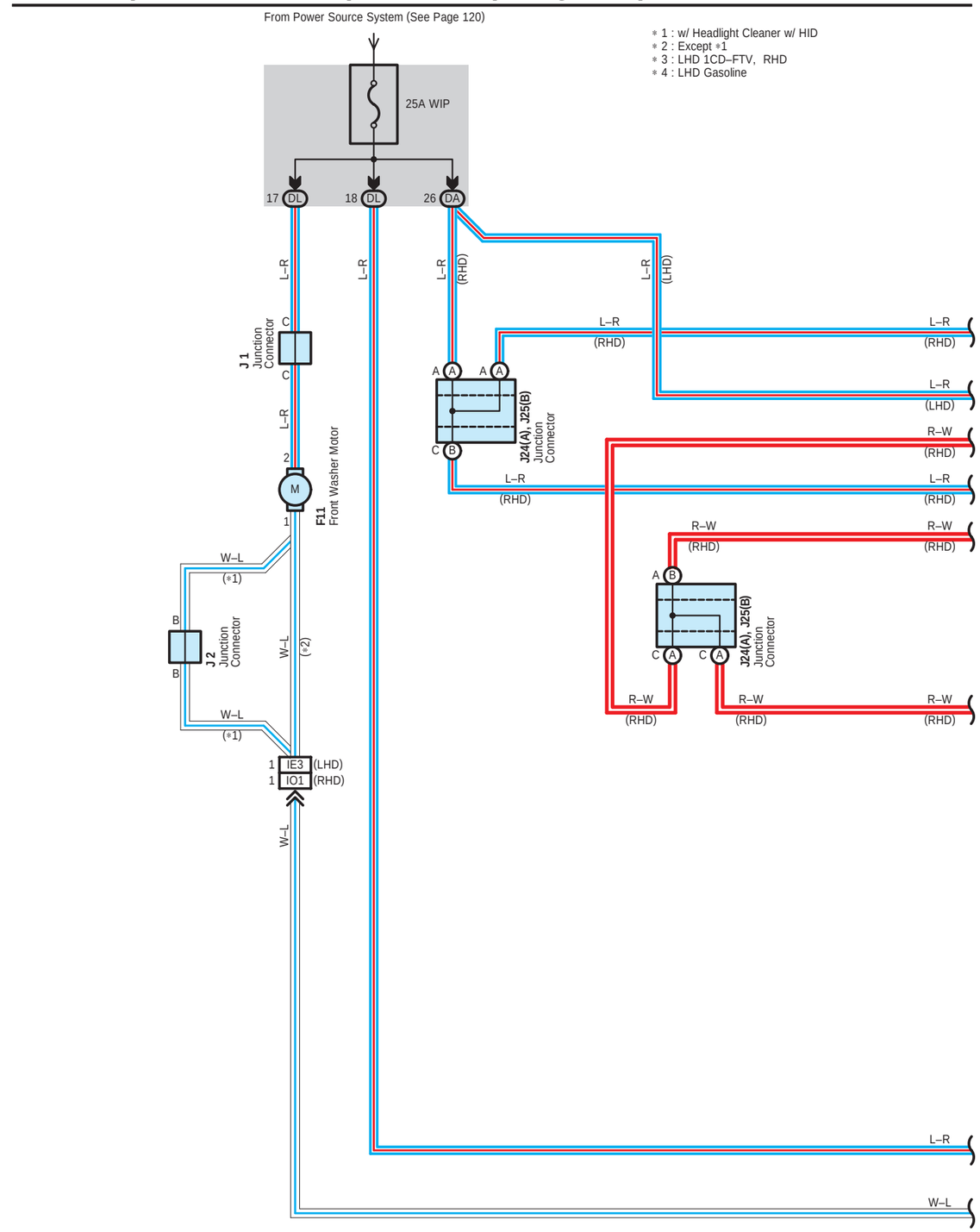


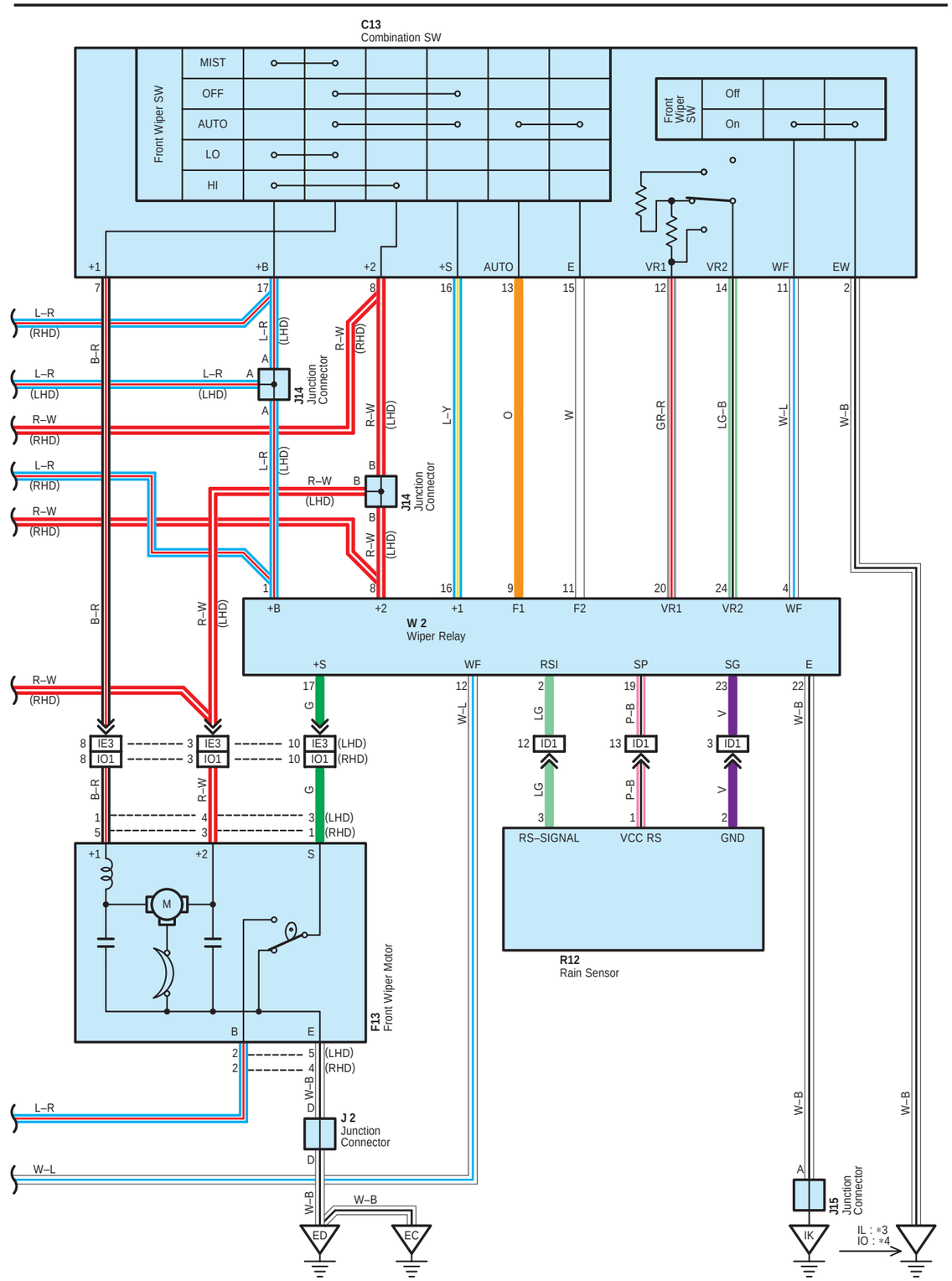
From Power Source System (See Page 120)



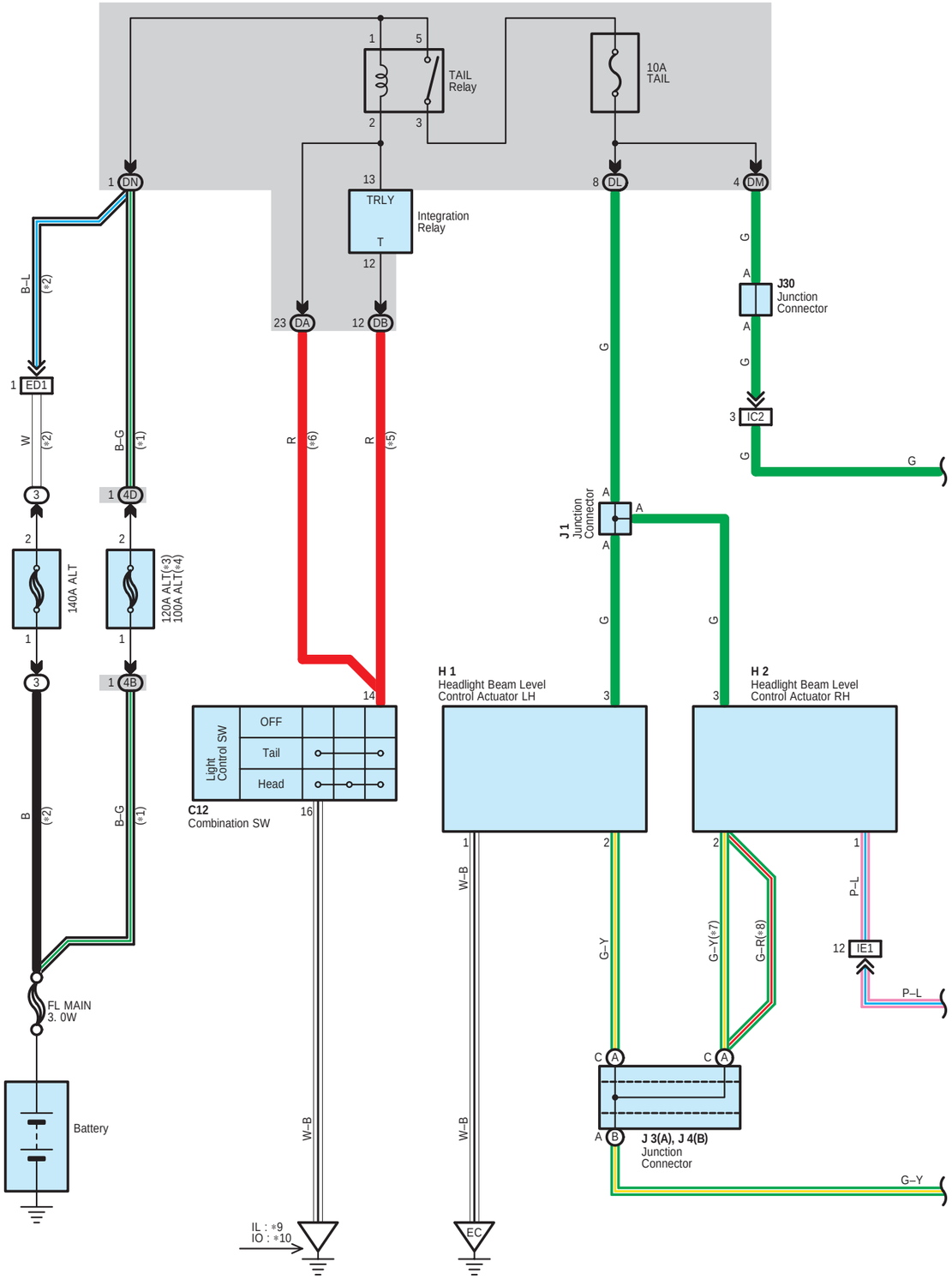
* 1 : Intermittent Volume SW
* 2 : w/ Headlight Cleaner w/ HID
* 3 : Except *2
* 4 : LHD 1CD–FTV, RHD
* 5 : LHD Except 1CD–FTV

Front Wiper and Washer (w/ Auto Wiper System)

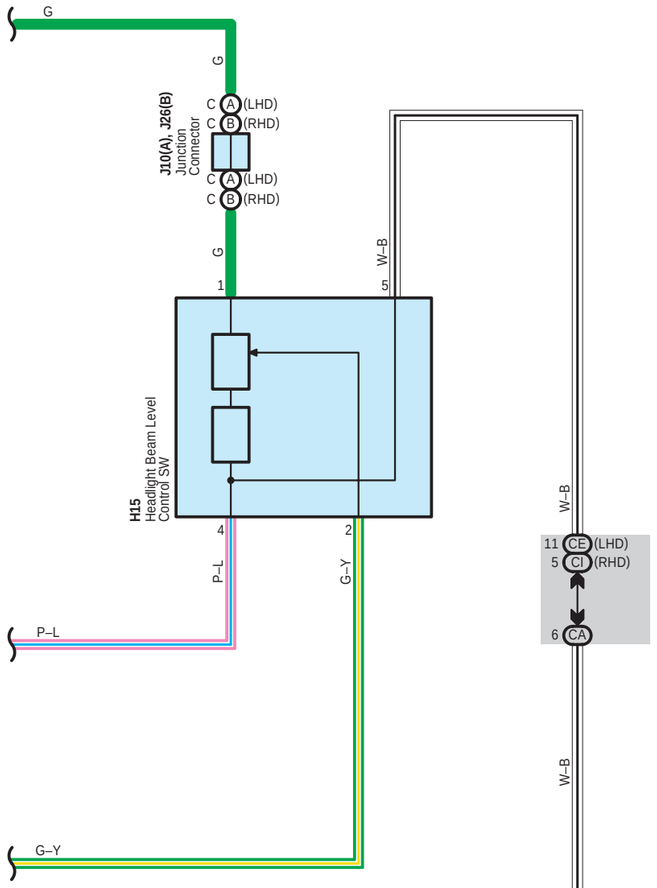




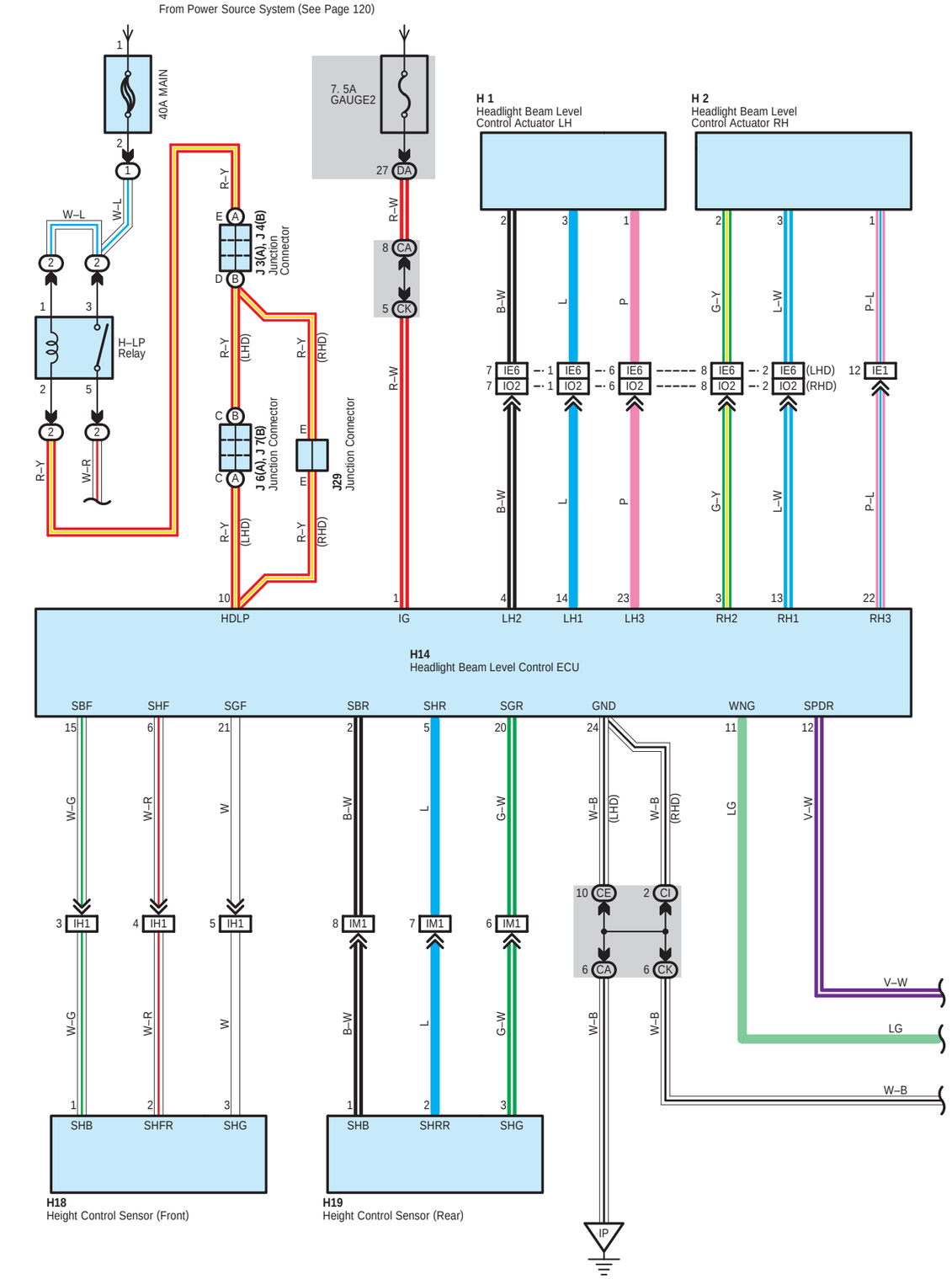
Headlight Beam Level Control (w/o HID)

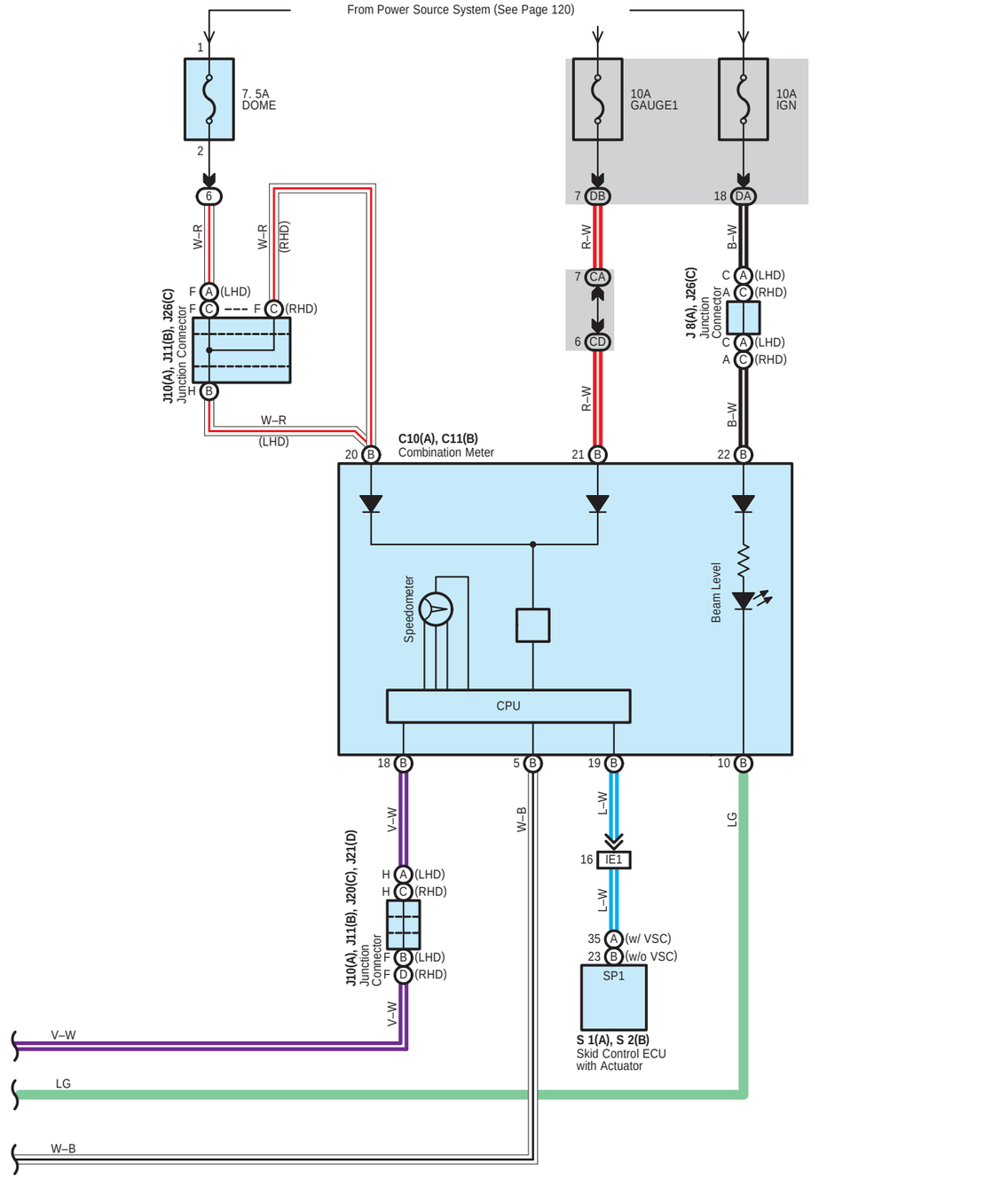


* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : w/ Daytime Running Light
* 6 : w/o Daytime Running Light
* 7 : Except RHD 1CD–FTV
* 8 : RHD 1CD–FTV
* 9 : LHD 1CD–FTV, RHD
*10 : LHD Gasoline

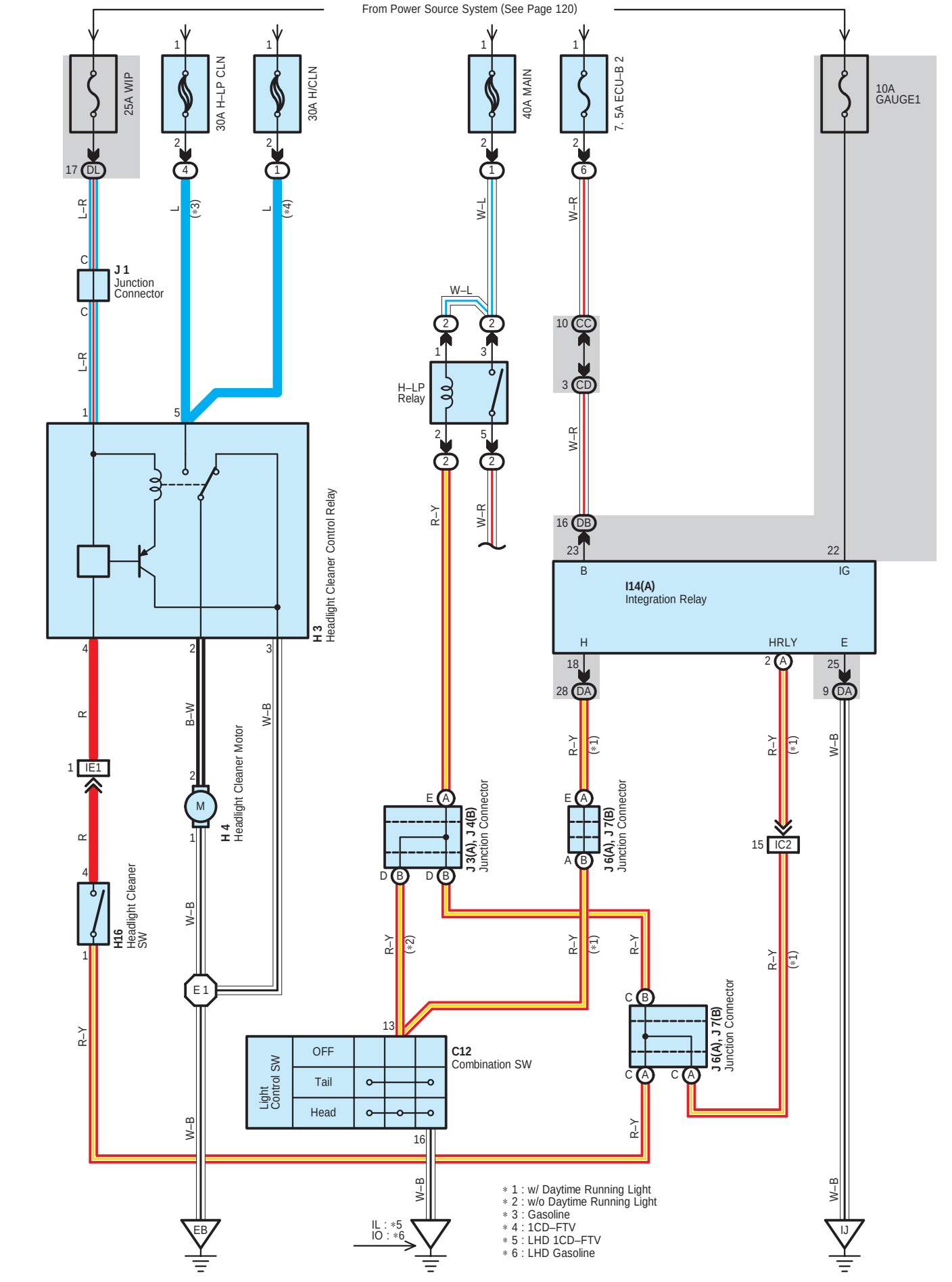


Headlight Beam Level Control (w/ HID)

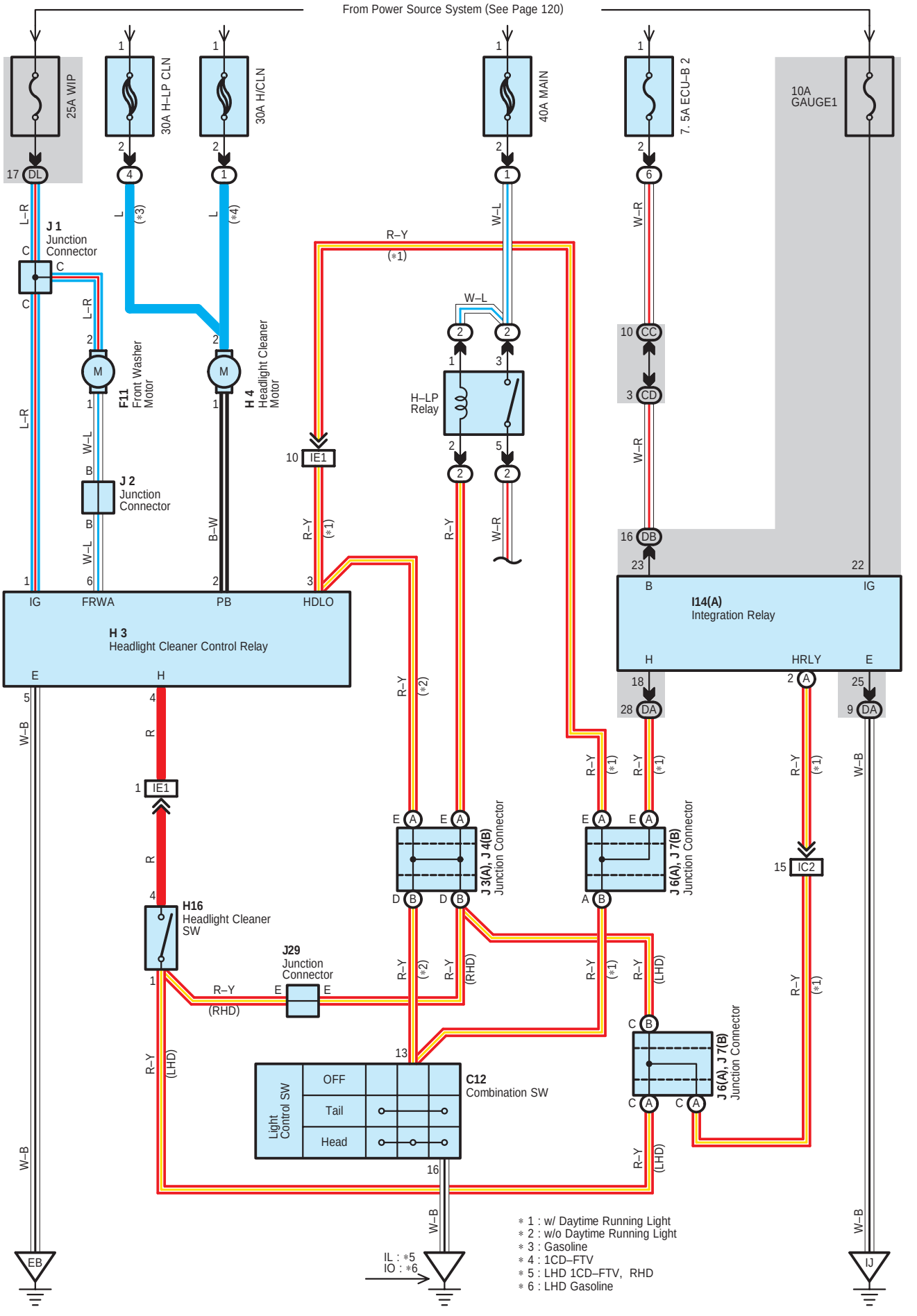




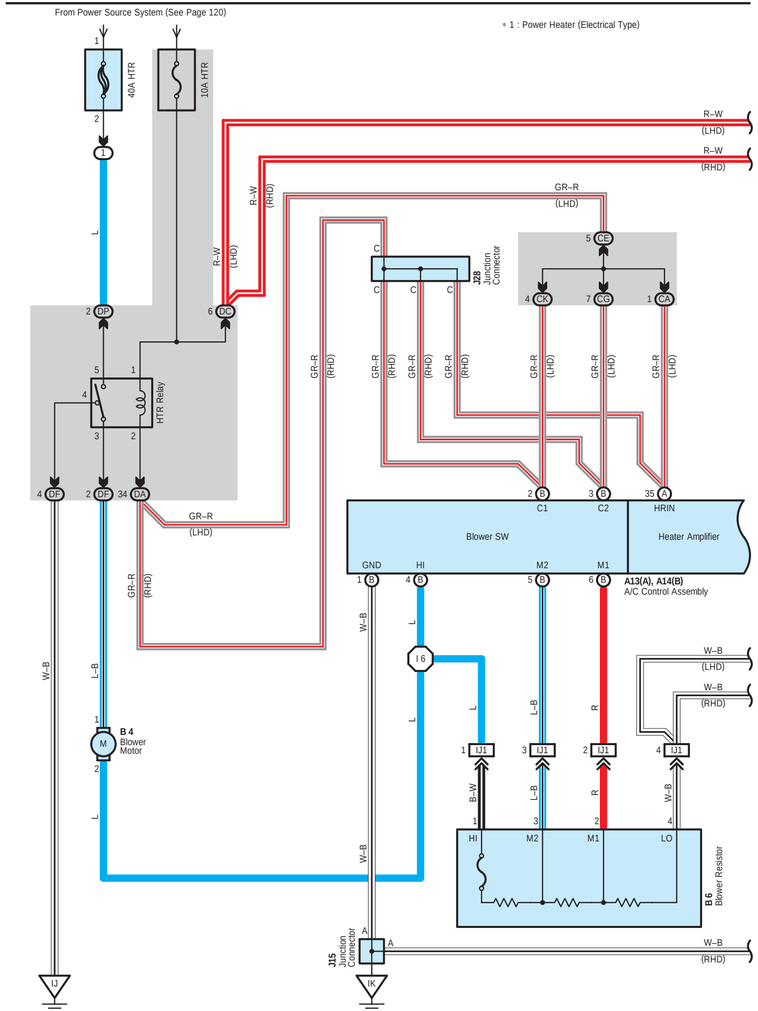
Headlight Cleaner (w/o HID)

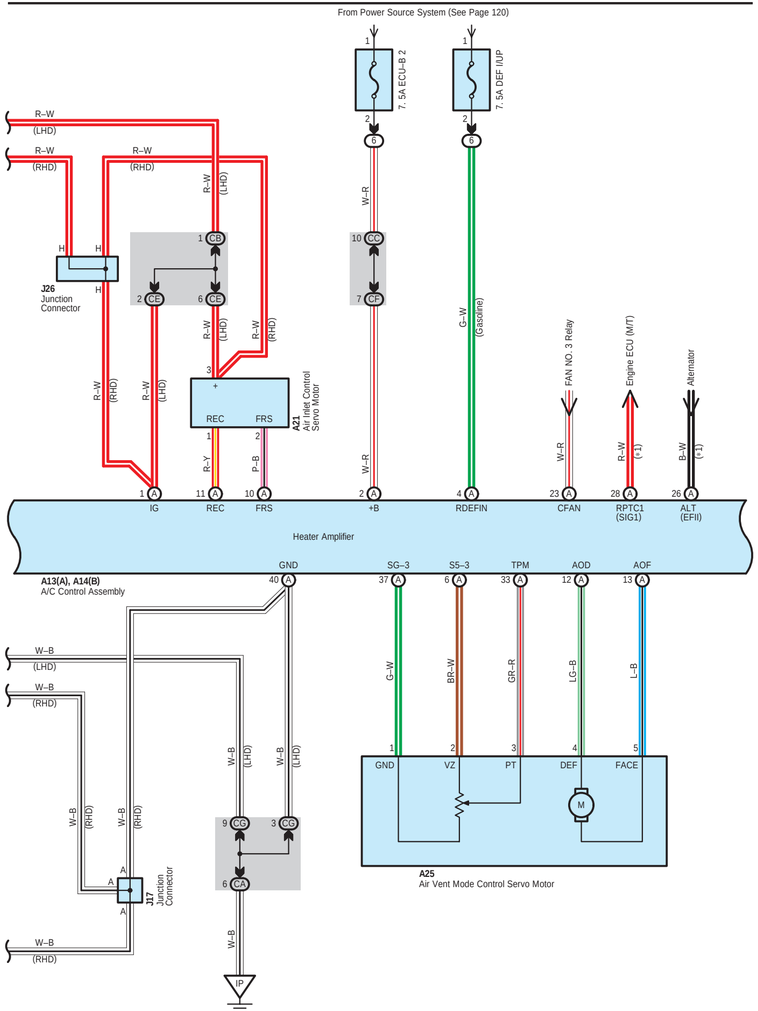


Headlight Cleaner (w/ HID)

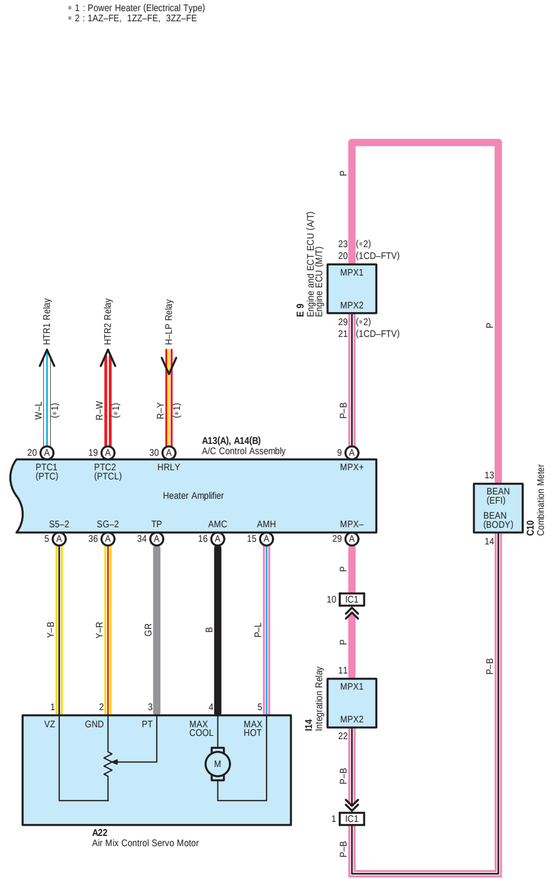


Heater



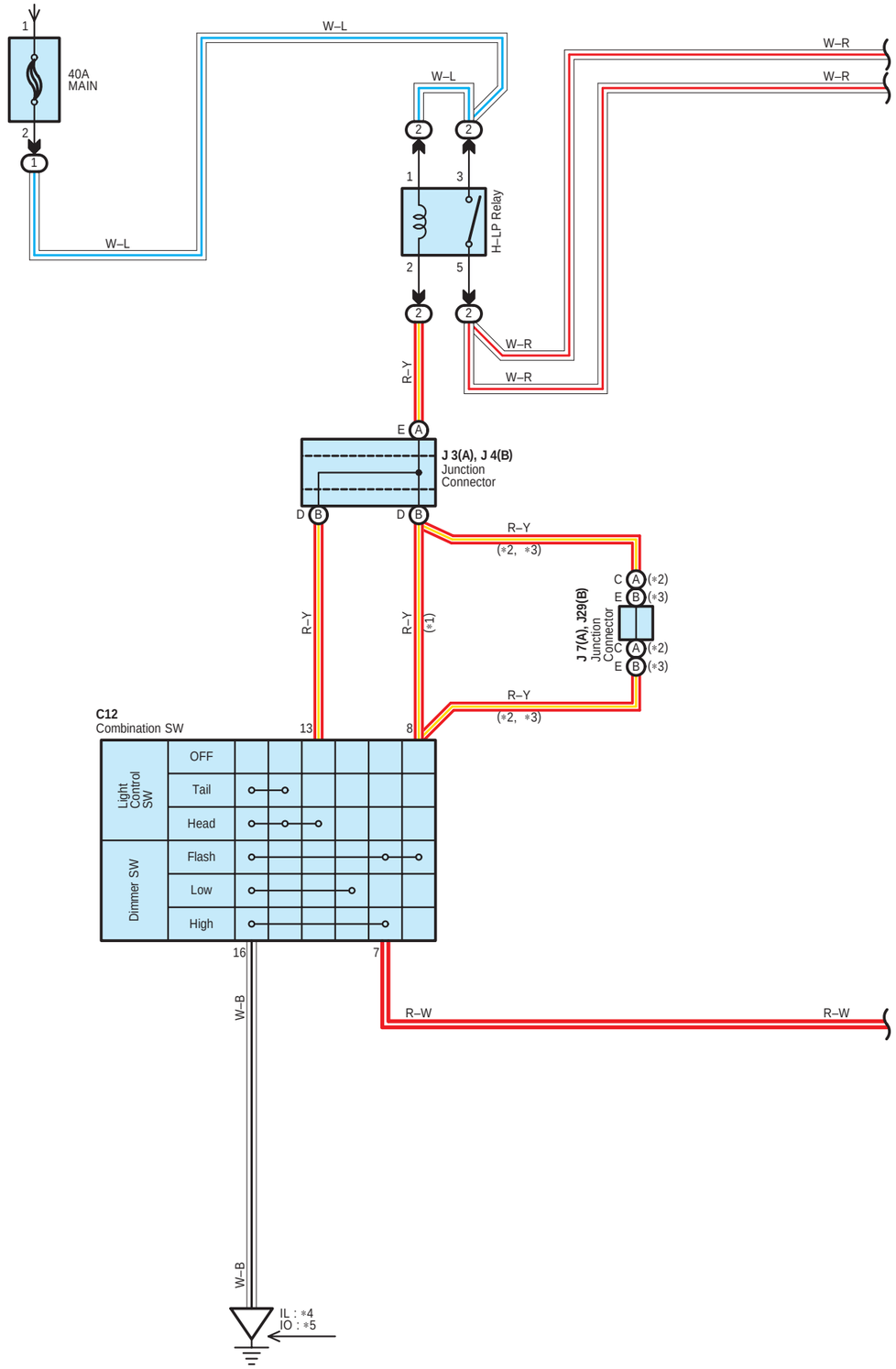


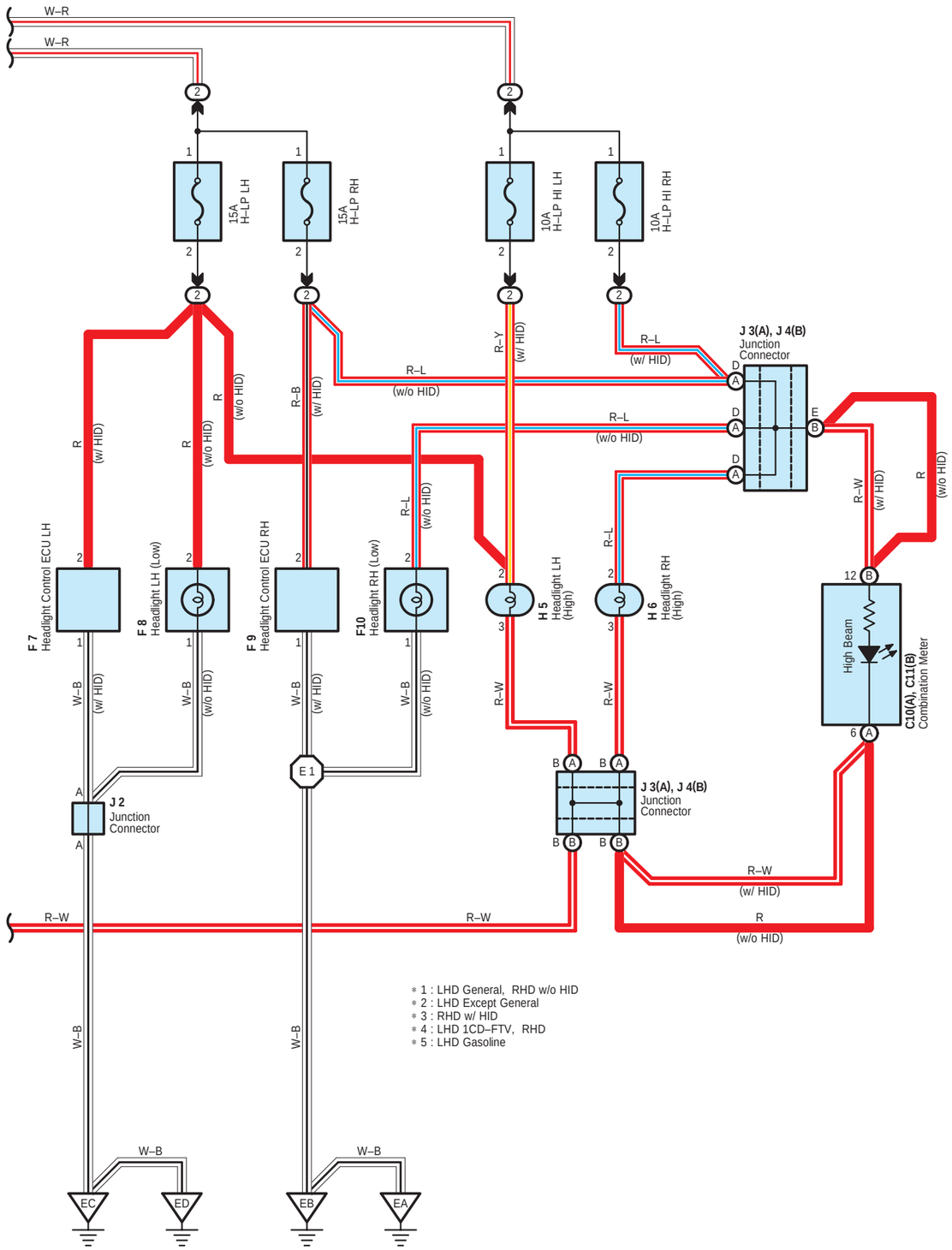
Heater



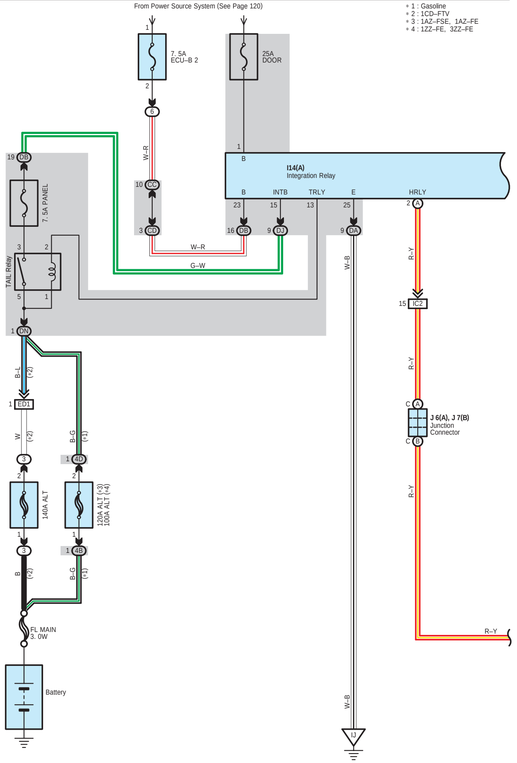
Headlight (w/o Daytime Running Light)

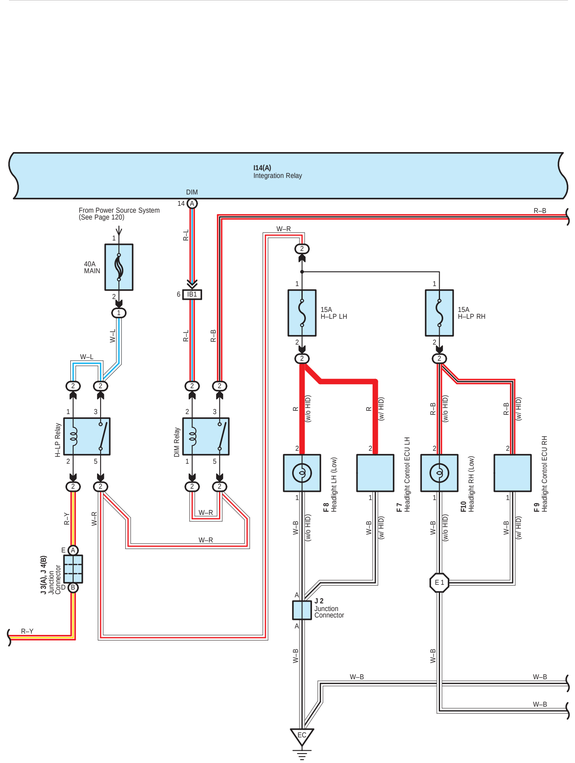
From Power Source System (See Page 120)



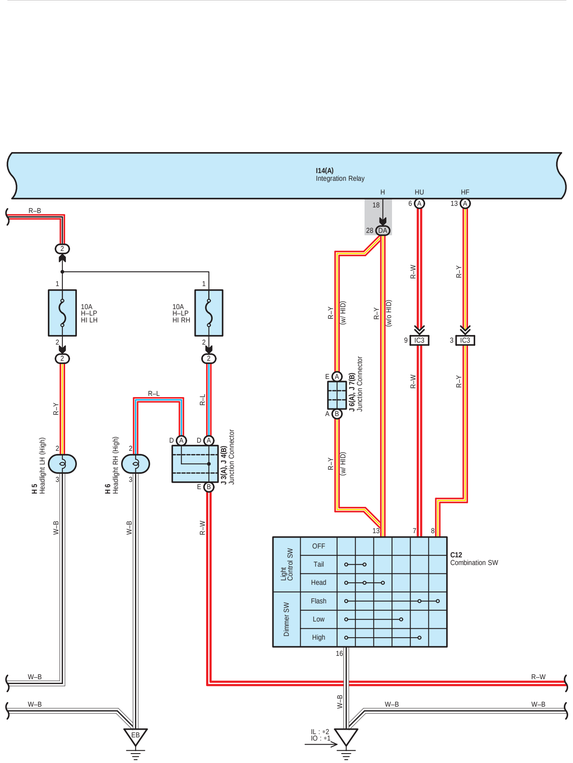


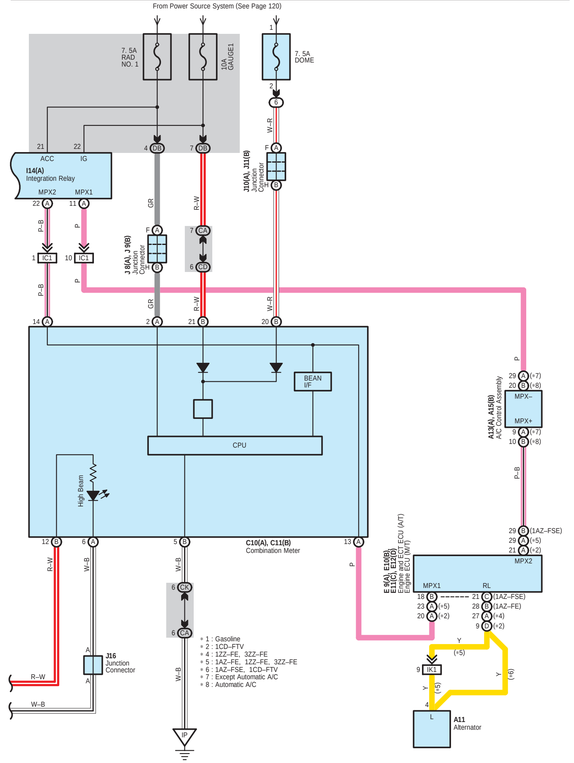
Headlight (w/ Daytime Running Light)

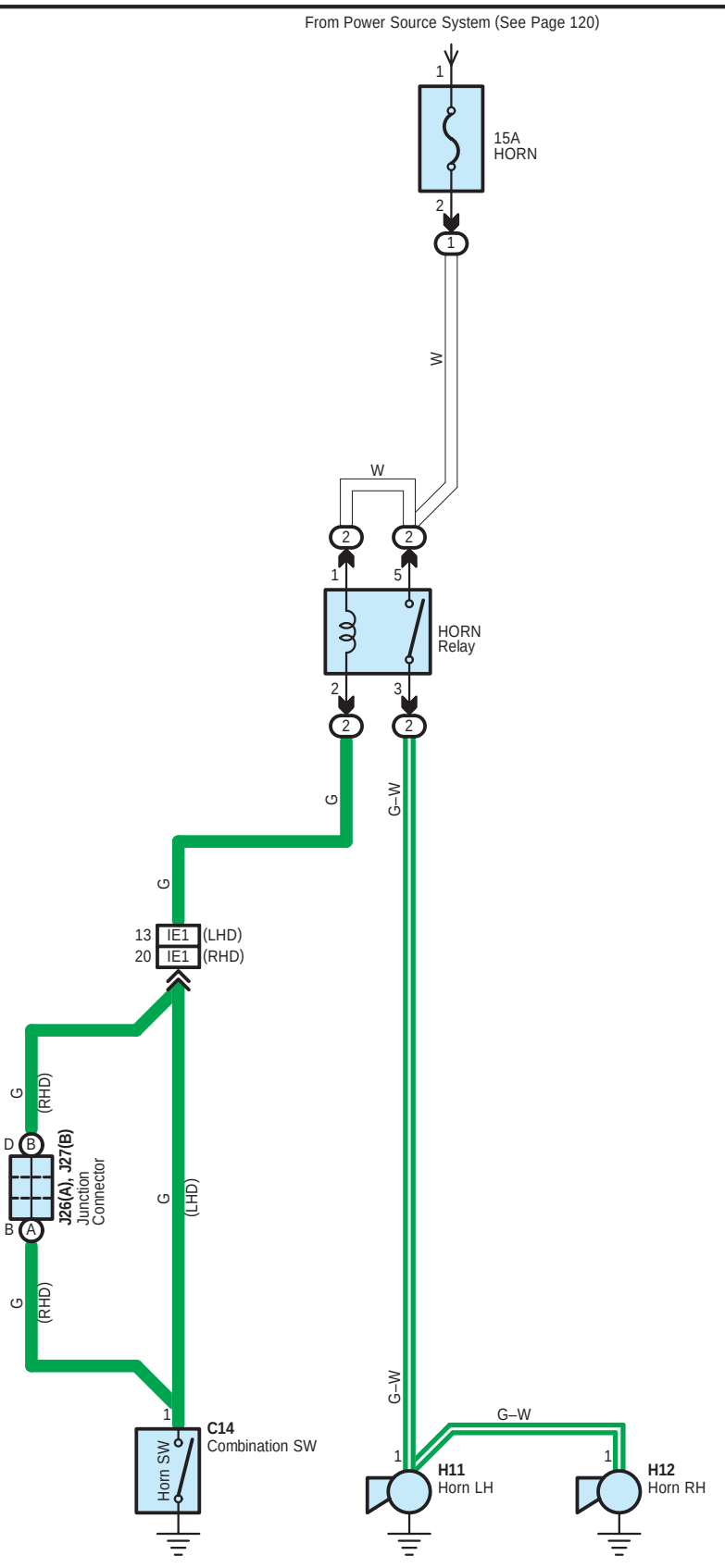


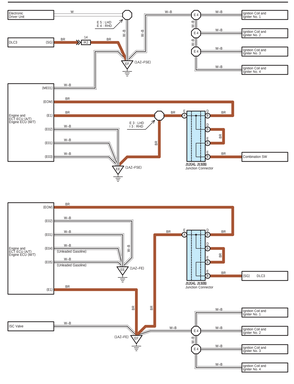


Headlight (w/ Daytime Running Light)






From Power Source System (See Page 120)
1
15A
HORN
2
1
W
W
2
2
1
5
HORN
Relay
2
3
2
2
G
G–W
G
13 IE1 (LHD)
20 IE1 (RHD)
G
(RHD)
D
B
J26(A), J27(B)
Junction
Connector
B
A
G
(LHD)
G
(RHD)
G–W
G–W
1
C14
Combination SW
Horn SW
1
H11
Horn LH
1
H12
Horn RH


Alternator
Starter Unit
B+
ELS
15A
M-R
M-B
M-W
M-G
M-L
M-Y
M-BL
M-P
M-O
M-LG
M-V
M-BR
M-GR
M-SB
M-SW
M-SR
M-SL
M-SY
M-SG
M-SP
M-SO
M-SLG
M-SV
M-SBR
M-SGR
M-SSB
M-SSW
M-SSR
M-SSL
M-SSY
M-SSG
M-SSP
M-SSO
M-SSLG
M-SSV
M-SSBR
M-SSGR
M-SSSB
M-SSSW
M-SSSR
M-SSSL
M-SSSY
M-SSSG
M-SSSP
M-SSSO
M-SSSLG
M-SSSV
M-SSSBR
M-SSSGR
M-SSSSB
M-SSSSW
M-SSSSR
M-SSSSL
M-SSSSY
M-SSSSG
M-SSSSP
M-SSSSO
M-SSSSLG
M-SSSSV
M-SSSSBR
M-SSSSGR
M-SSSSSB
M-SSSSSW
M-SSSSSR
M-SSSSSL
M-SSSSSY
M-SSSSSG
M-SSSSSP
M-SSSSSO
M-SSSSSLG
M-SSSSSV
M-SSSSSBR
M-SSSSSGR
M-SSSSSSB
M-SSSSSSW
M-SSSSSSR
M-SSSSSSL
M-SSSSSSY
M-SSSSSSG
M-SSSSSSP
M-SSSSSSO
M-SSSSSSLG
M-SSSSSSV
M-SSSSSSBR
M-SSSSSSGR
M-SSSSSSSB
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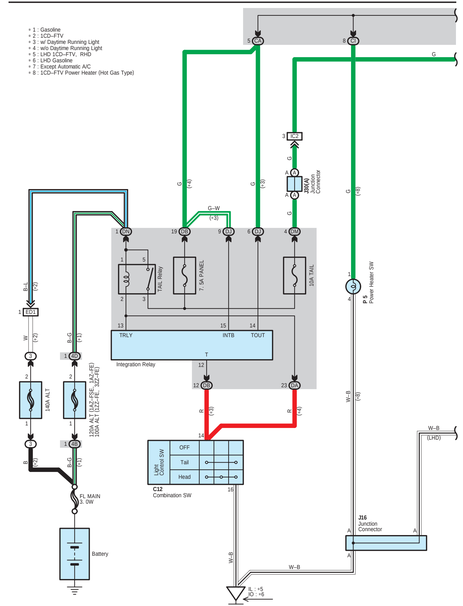
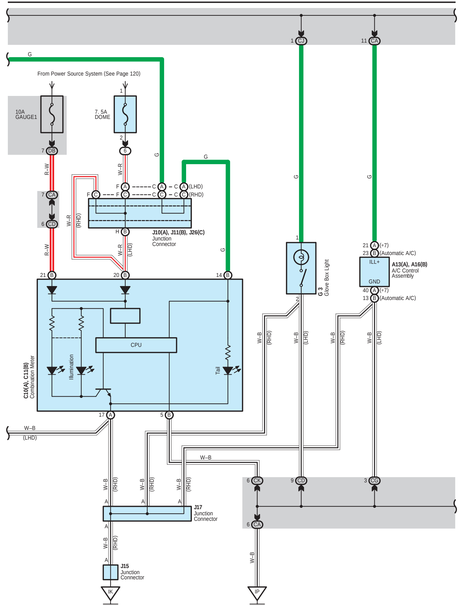
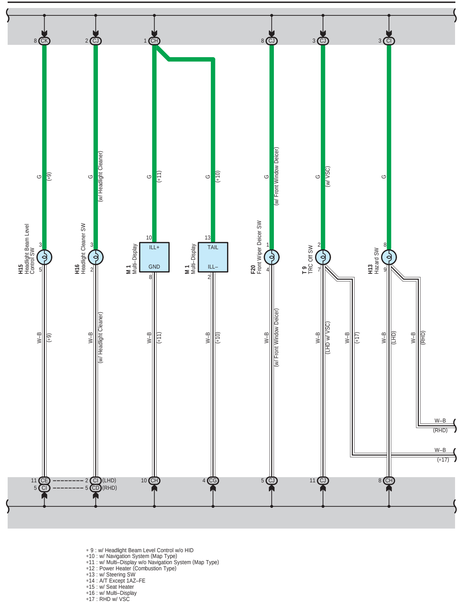
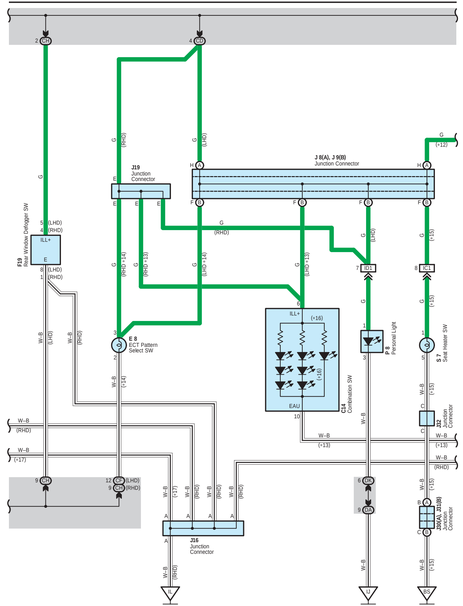
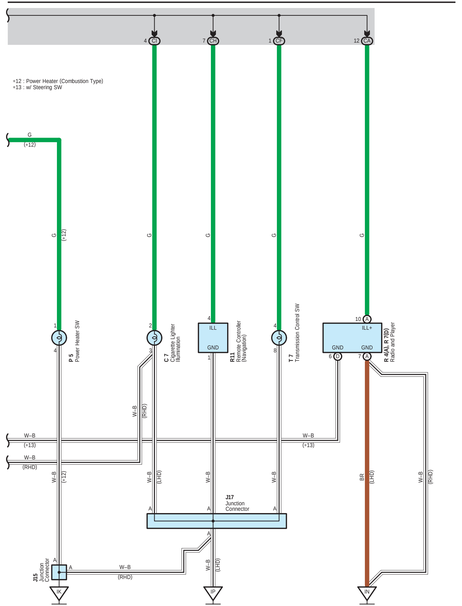
M-SSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSP
M-SSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSO
M-SSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSLG
M-SSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSV
M-SSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSBR
M-SSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSGR
M-SSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSB
M-SSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSW
M-SSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSR
M-SSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSL
M-SSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSY
M-SSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSG
M-SSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSP
M-SSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSO
M-SSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSLG
M-SSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSV
M-SSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSBR
M-SSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSGR
M-SSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSB
M-SSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSW
M-SSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSR
M-SSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSL
M-SSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSY
M-SSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSG
M-SSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSP
M-SSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSO
M-SSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSLG
M-SSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSV
M-SSS


+ 1 : Gasoline
+ 2 : 1CD–FTV
+ 3 : w/ Daytime Running Light
+ 4 : w/o Daytime Running Light
+ 5 : LHD 1CD–FTV, RHD
+ 6 : LHD Gasoline
+ 7 : Except Automatic A/C
+ 8 : 1CD–FTV Power Heater (Hot Gas Type)
Tail Relay
7.5A PANEL
15A TAIL
Integration Relay
TRLY
INTB
TOUT
140A ALT
120A ALT (1AZ–FBE, 1AZ–FXE, 1AZ–FE)
100A ALT (1ZZ–FE, 1ZZ–FED)
IL MAIN 2.0W
Battery
Light Control Switch
OFF
Tail
Head
C12
Combination SW
J16
Junction Connector
Power Heater SW
P5
Junction Connector
J15
Junction Connector
To +5 (+) : +5 (–) : –

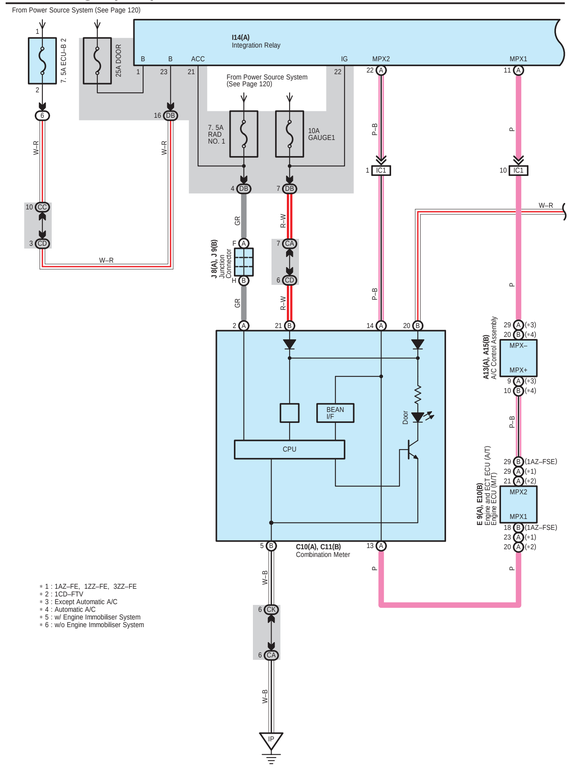

From Power Source System (See Page 120)
10A GAUGE1
7.5A DOME
J16(A3), J11(B), J20(C)
Junction Connector
CAN4, C11(B)
Combination Meter
CPU
Illumination
Tail
Map Lamp Light
A13(A3), A14(B)
A/C Control Assembly
(Automatic A/C)
J17
Junction Connector
J15
Junction Connector

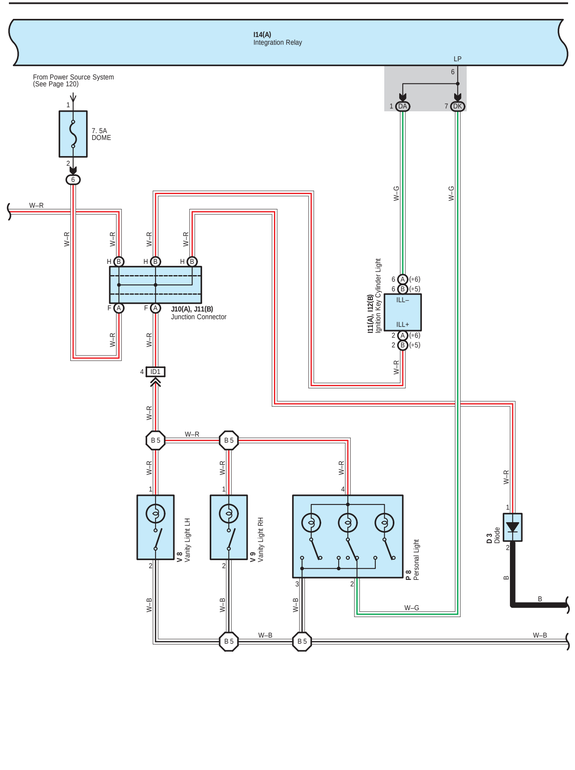

H15
Headlight Beam Level Control Motor
H16
Headlight Cleaner SW
(w/ Headlight Cleaner)
M-1
Main Display
GND
ILL+
ILL–
TAIL
M-2
Multi-Display
F20
Front Wiper Motor
(w/ Front Window Defogger)
T7
DLC3
(w/ VSC)
H13
Hazard SW
(w/ Front Window Defogger)
+ 9 : w/ Headlight Beam Level Control w/o HID
+ 10 : w/ Navigation System (Map Type)
+ 11 : w/ Multi-Display w/o Navigation System (Map Type)
+ 12 : Power Heater (Combustion Type)
+ 13 : w/ Steering SW
+ 14 : A/T Except 1AZ–FE
+ 15 : w/ Seat Heater
+ 16 : w/ Multi–Display
+ 17 : RHD w/ VSC


F19
Rear Window Defogger SW
J19
Junction Connector
2 (6A), J (6B)
Junction Connector
E 8
ECT Pattern Select SW
M-3
Main Combination SW
P4
Interval Light
J2
Junction Connector
S5
Seat Heater SW
J16
Junction Connector
J15
Junction Connector

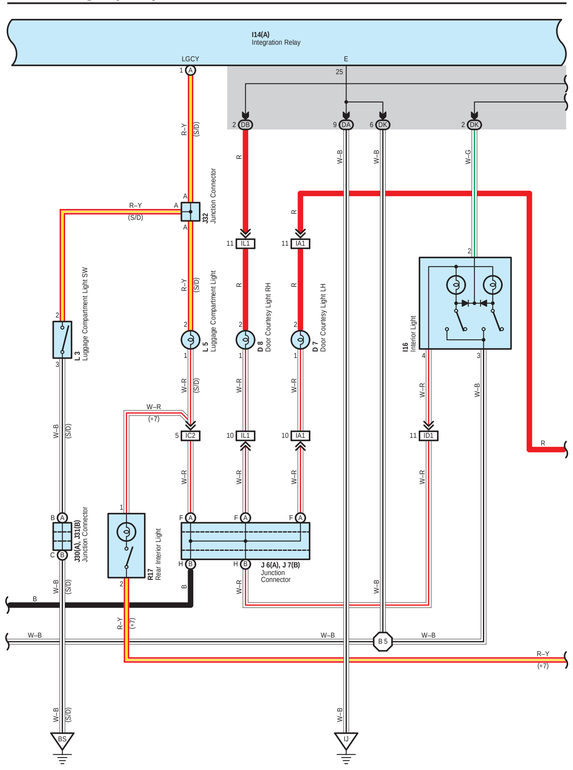

+12 : Power Heater (Combustion Type)
+13 : w/ Steering SW
P5
Power Heater SW
C7
Ignition Switch (Lighting)
R11
Radio Controller (Navigation)
T7
Transmission Control SW
J17
Junction Connector
J15
Junction Connector

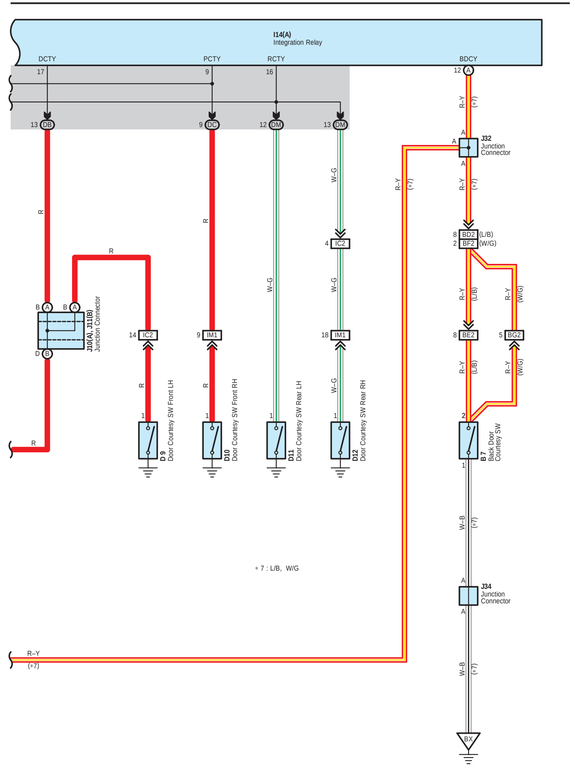
Interior Light (LHD)



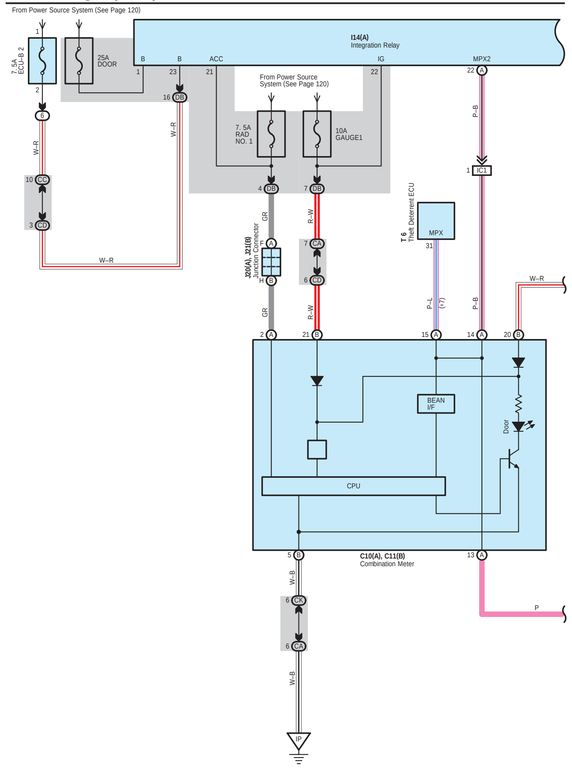


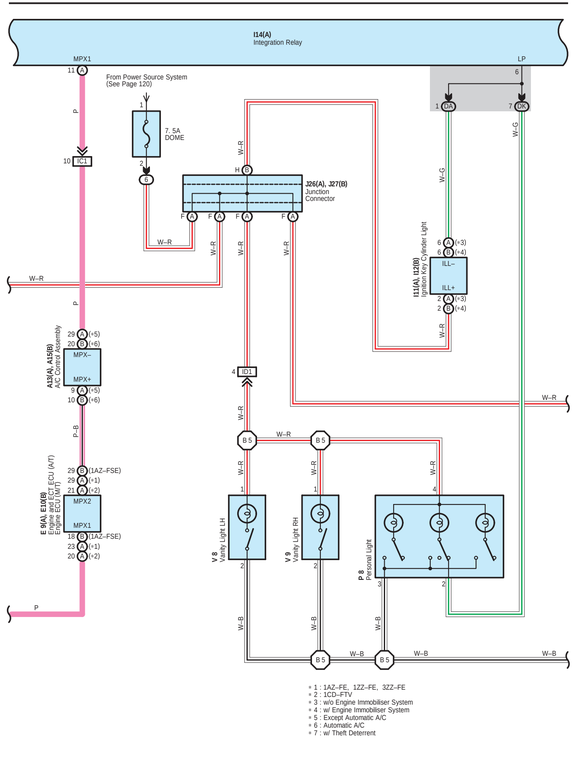
Interior Light (LHD)



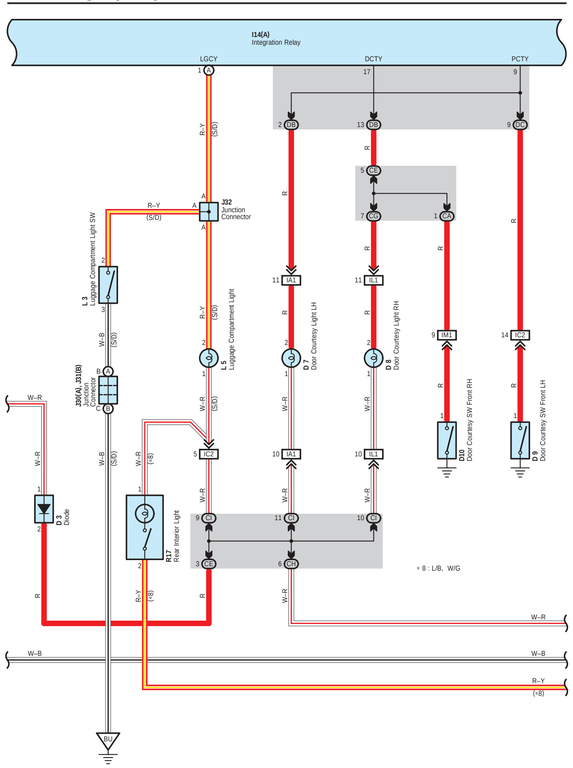


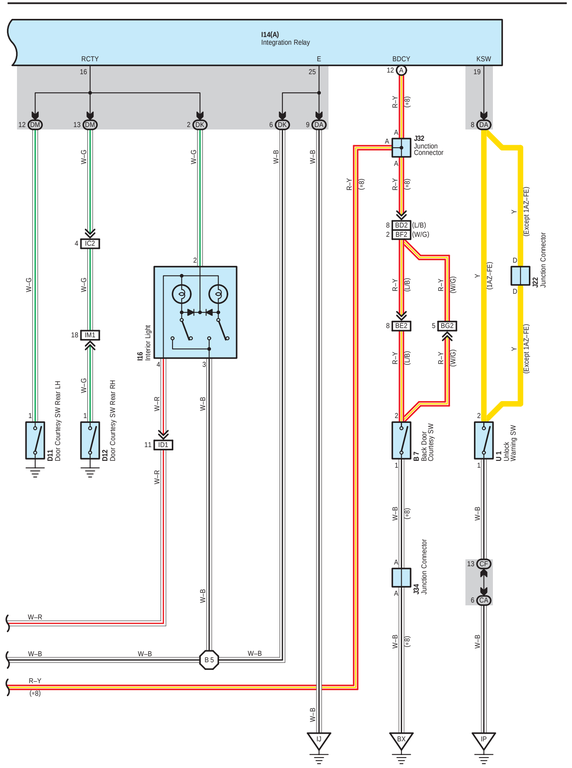
Interior Light (RHD)





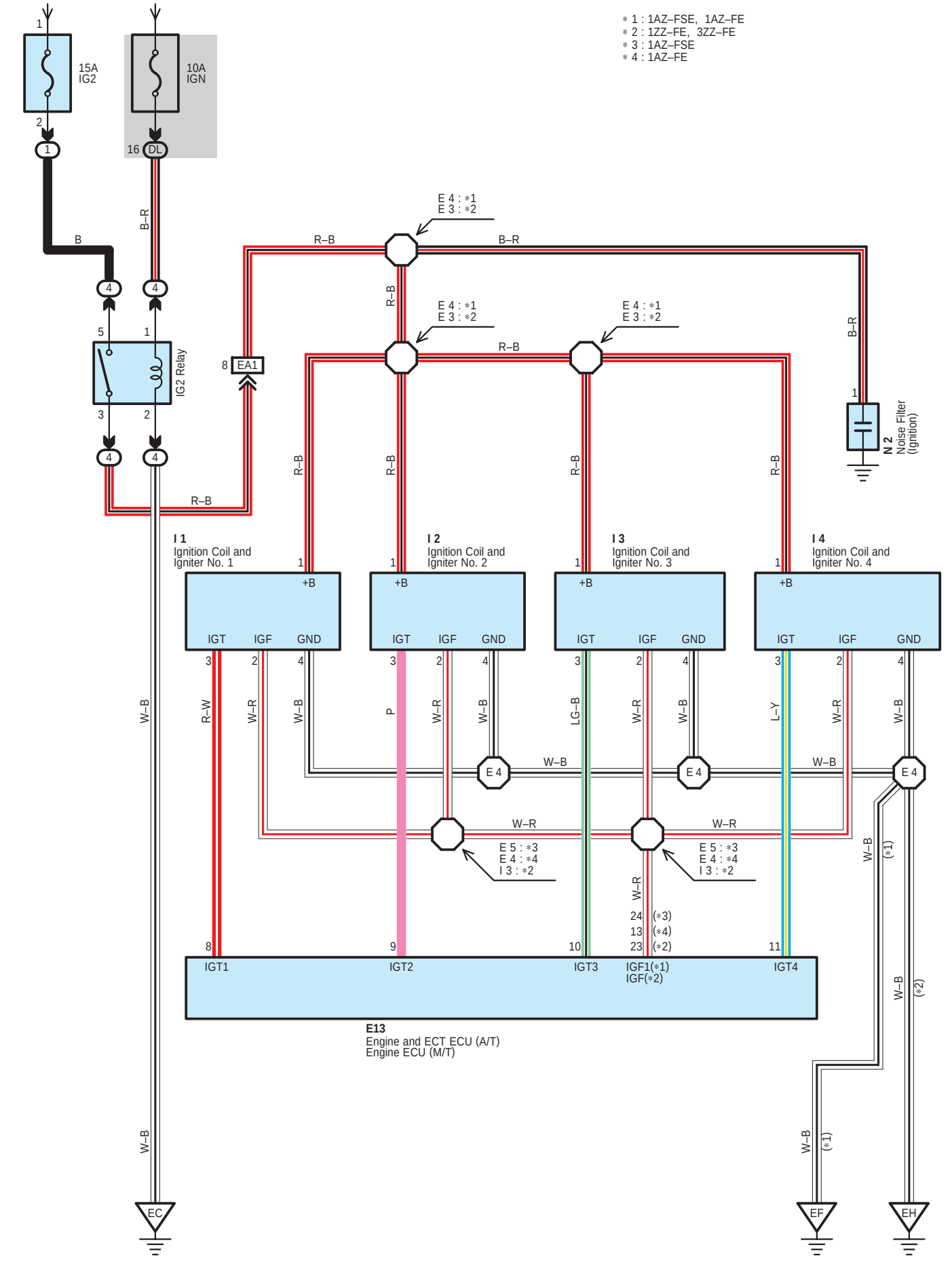
Interior Light (RHD)



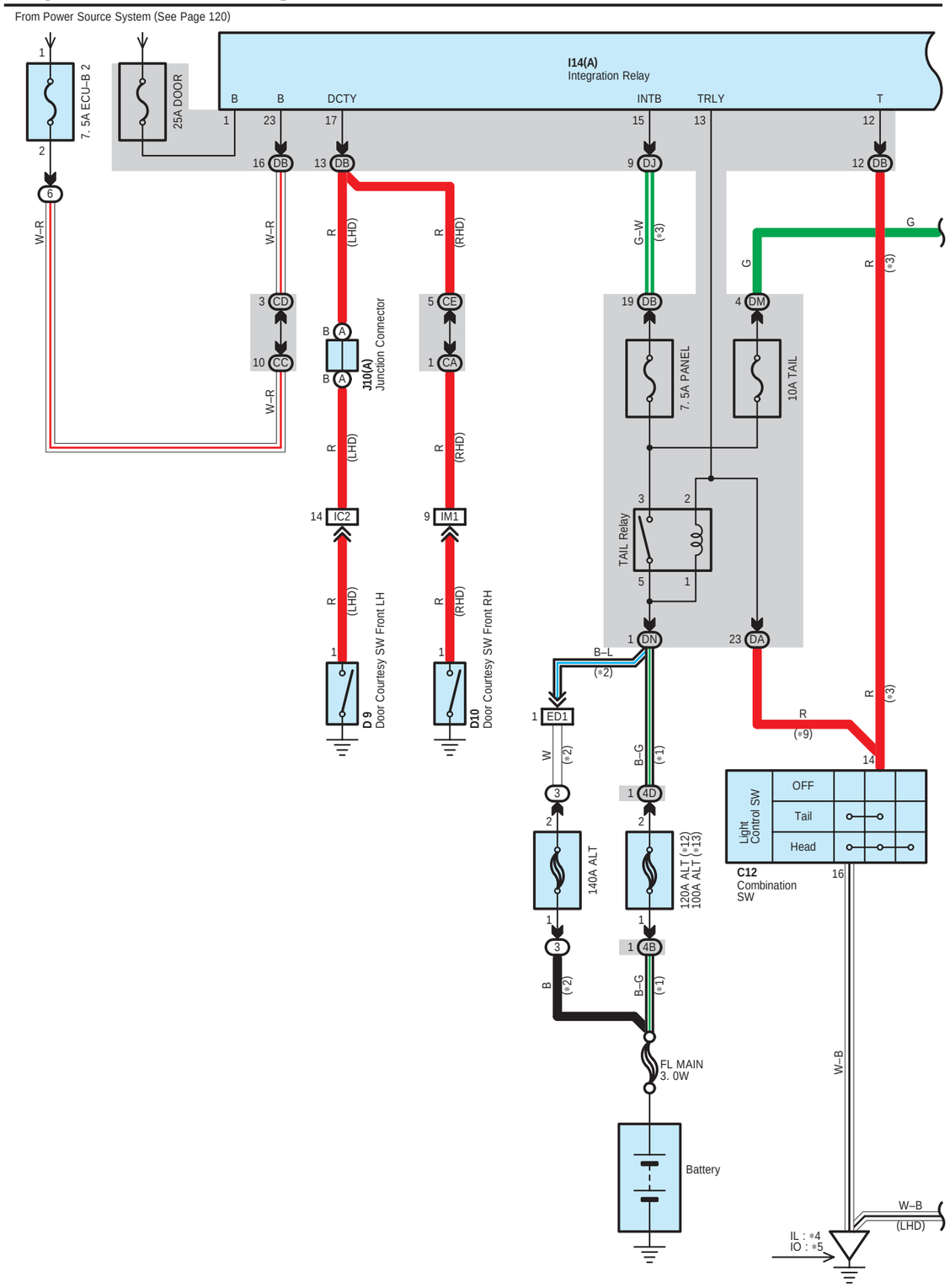


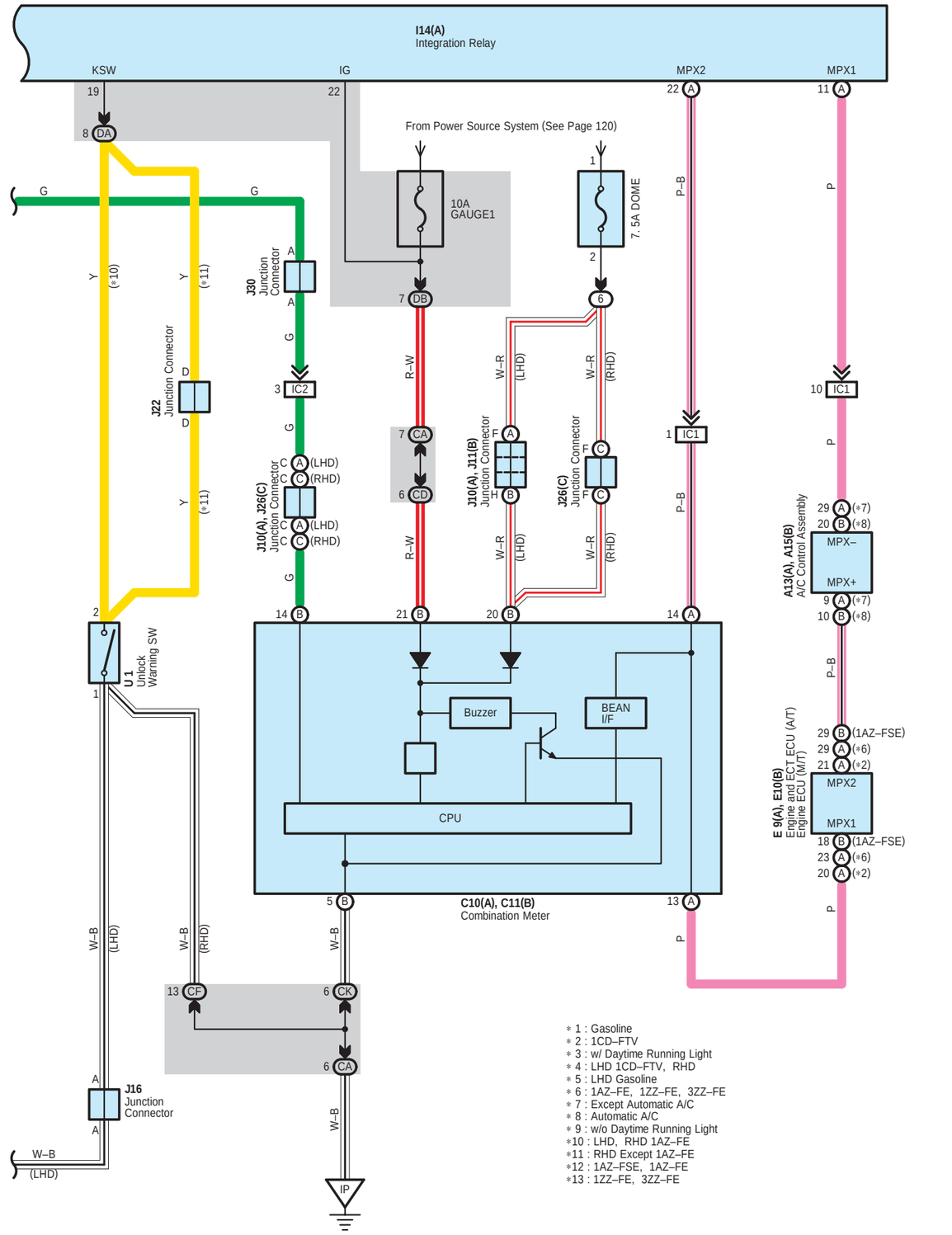
Ignition

From Power Source System (See Page 120)

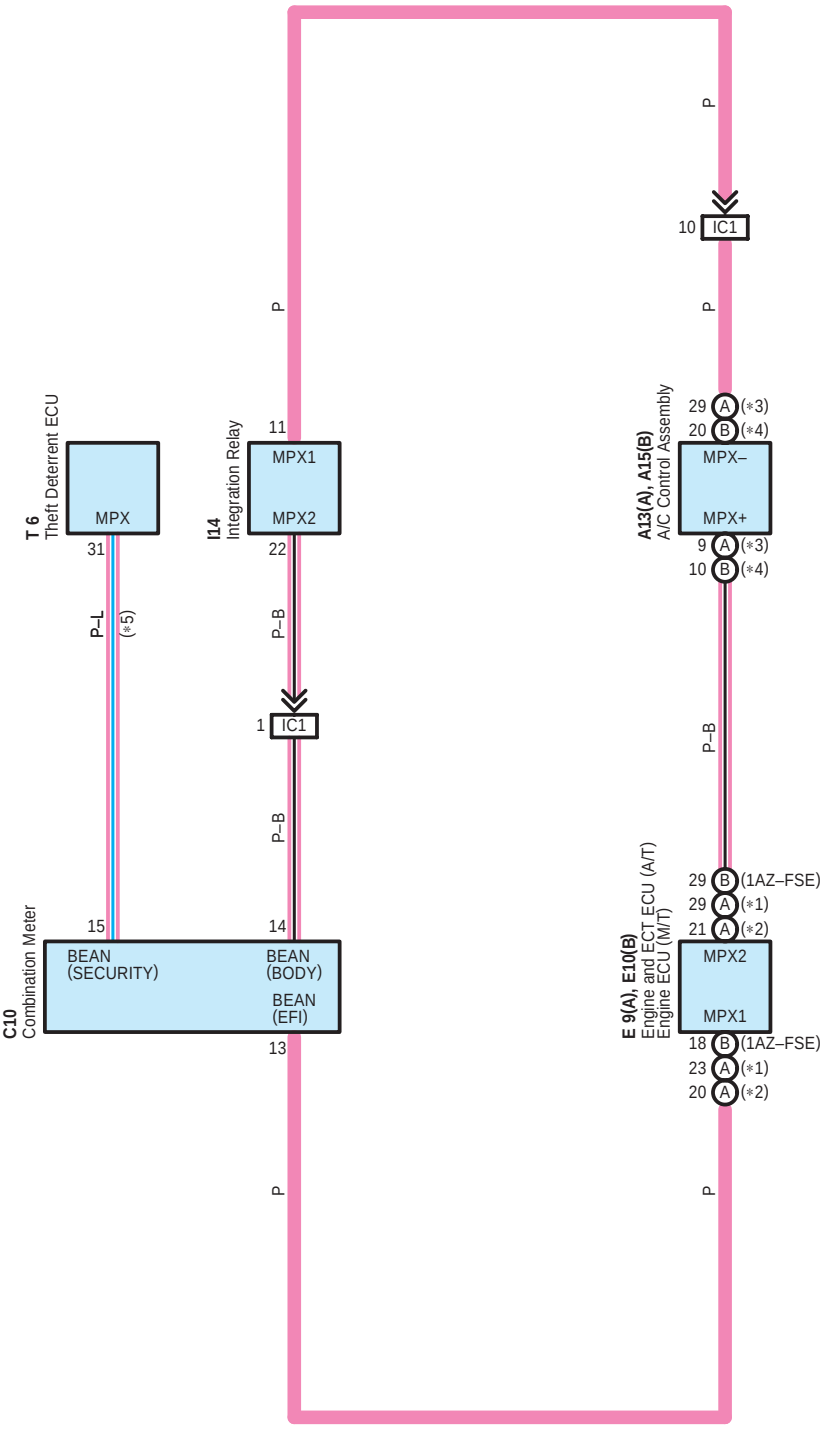


Key Reminder and Light Reminder

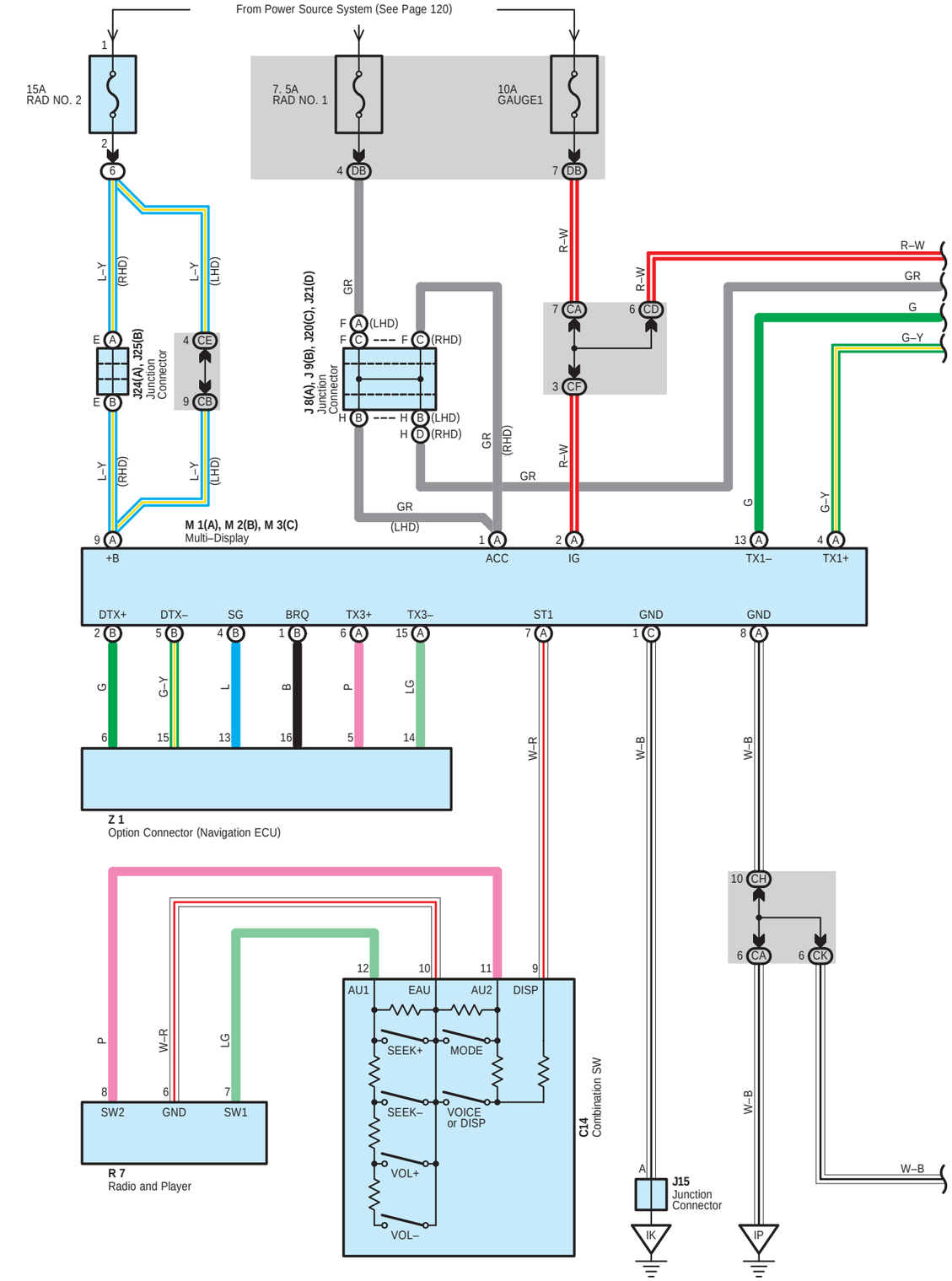


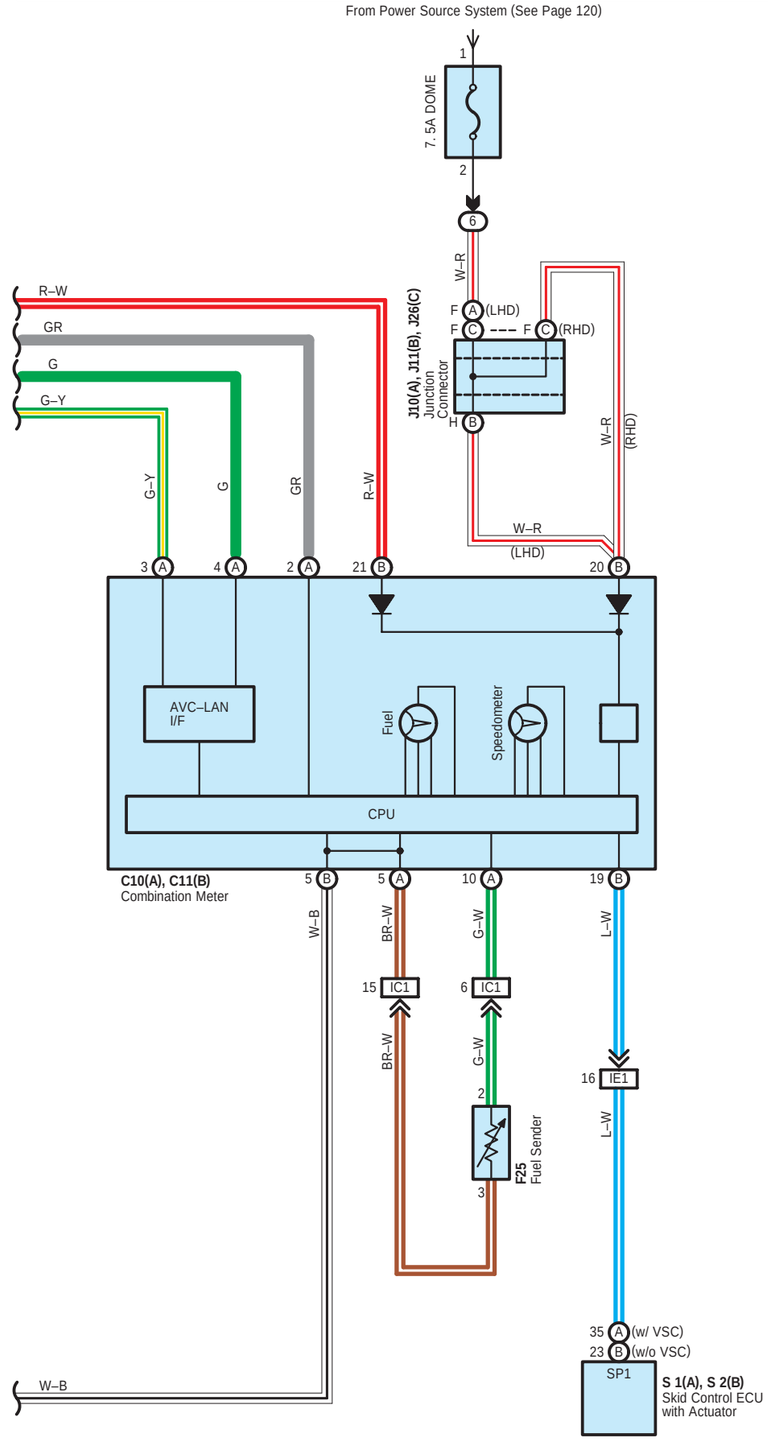


∗1 : 1AZ–FE, 1ZZ–FE, 3ZZ–FE
∗2 : 1CD–FTV
∗3 : Except Automatic A/C
∗4 : Automatic A/C
∗5 : w/ Theft Deterrent

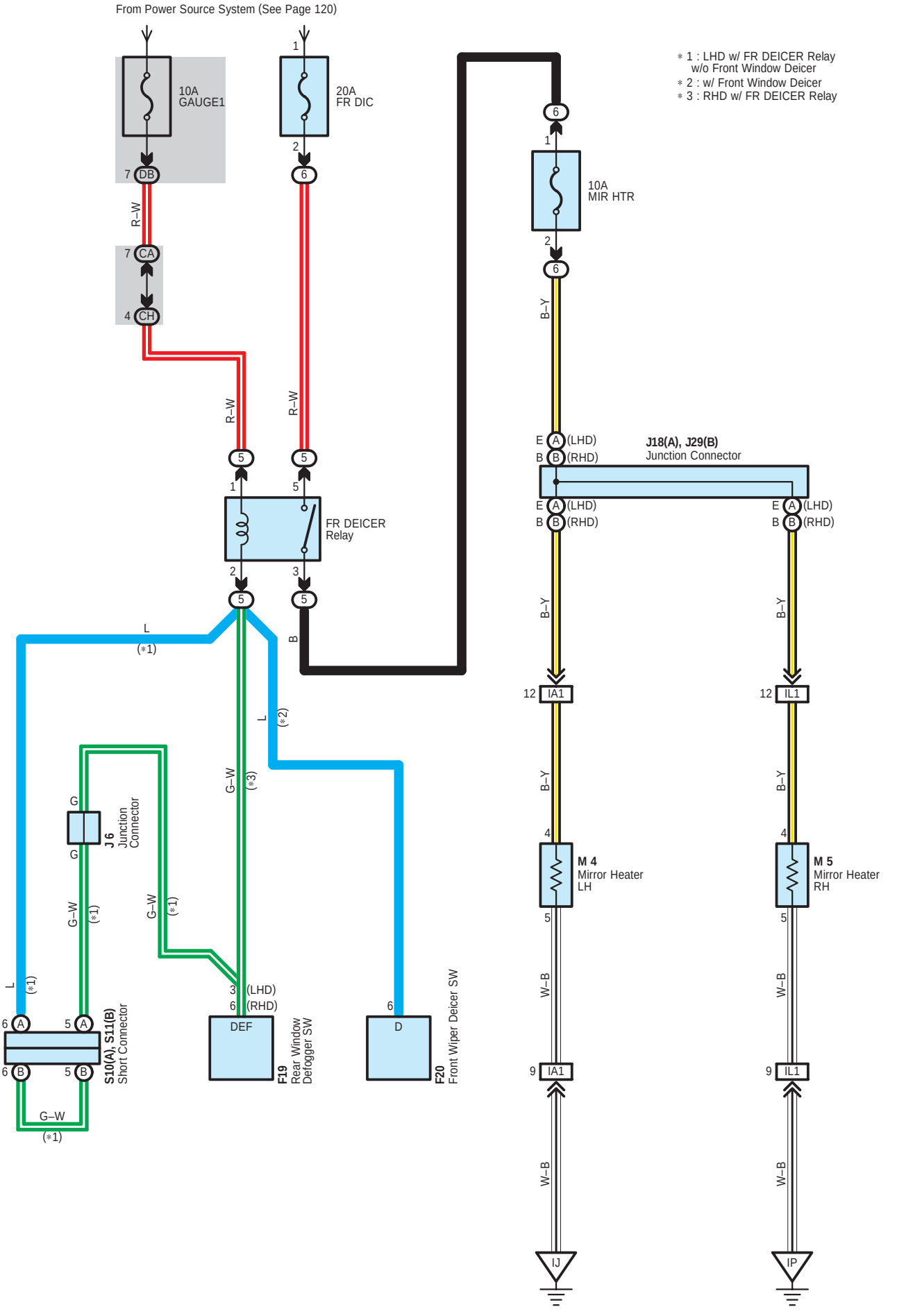


Multi–Display (w/o Navigation System Map Type)

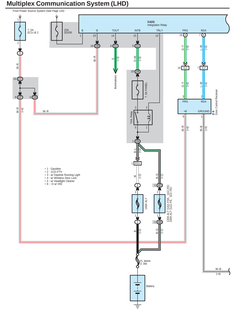




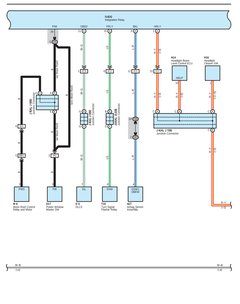
Mirror Heater



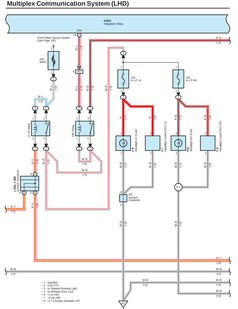
Multiplex Communication System (LHD)



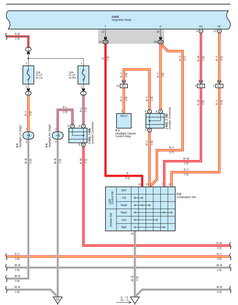
Multiplex Communication System (LHD)



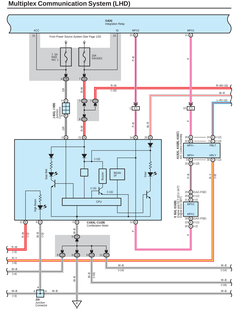
Multiplex Communication System (LHD)



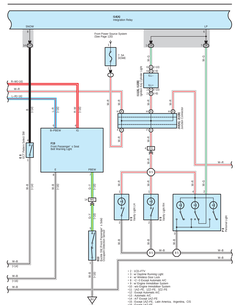
Multiplex Communication System (LHD)



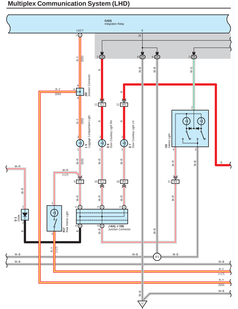
Multiplex Communication System (LHD)



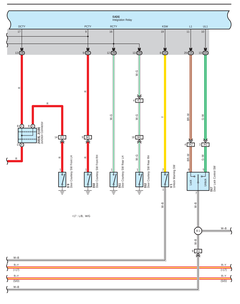
Multiplex Communication System (LHD)



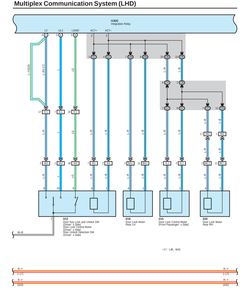
Multiplex Communication System (LHD)



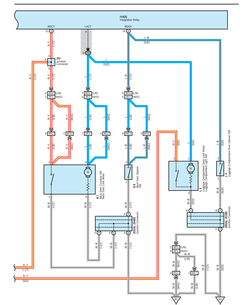
Multiplex Communication System (LHD)



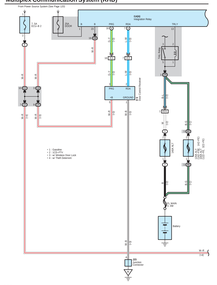
Multiplex Communication System (LHD)



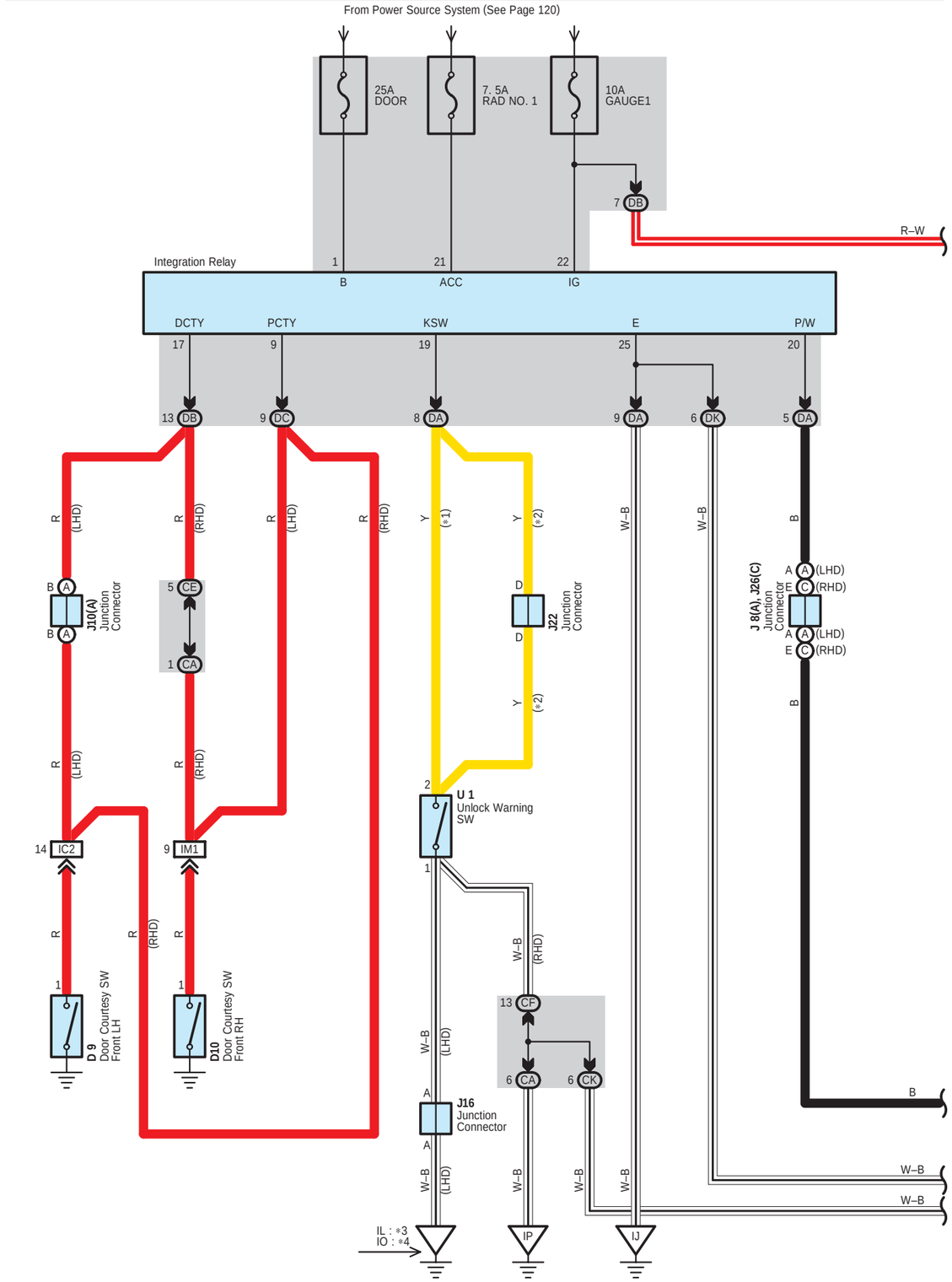
Multiplex Communication System (LHD)

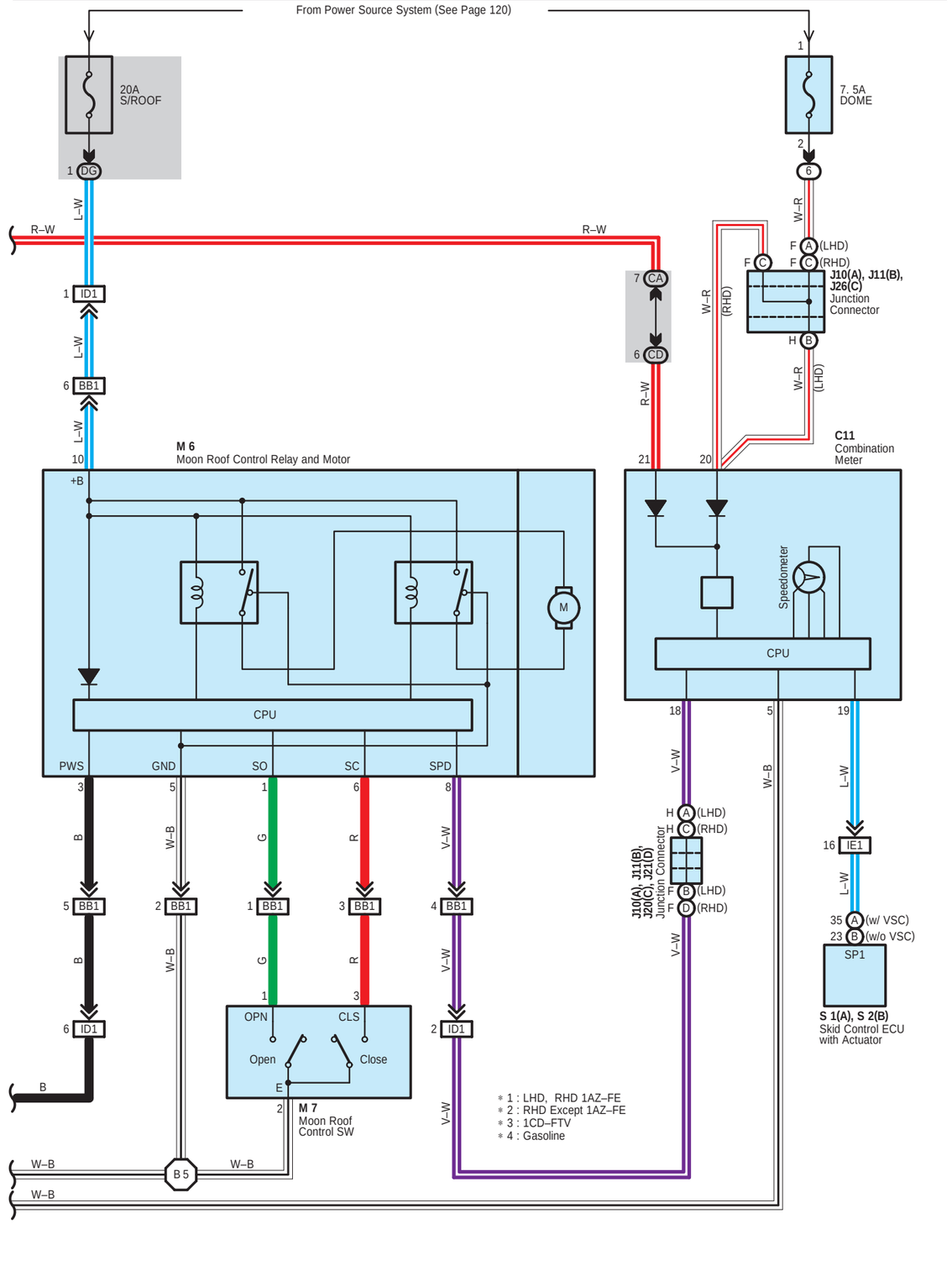


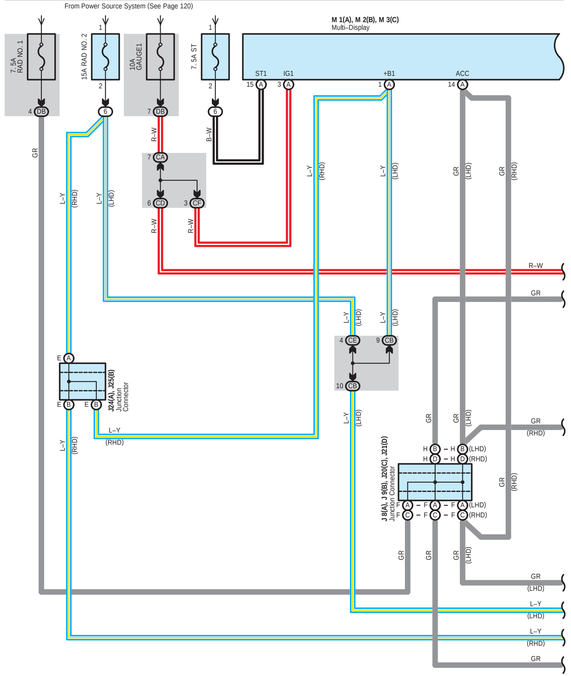
Multiplex Communication System (RHD)

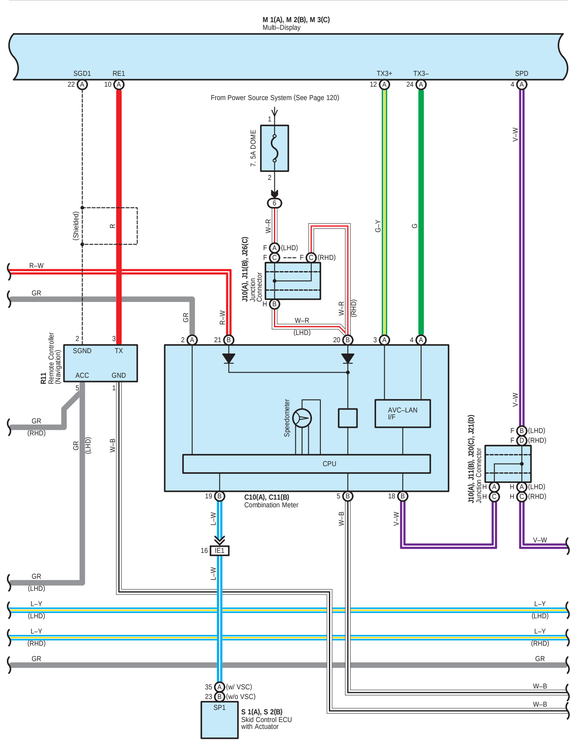

Instrument Panel Wire (No.1)
Engine Room Main Wire
Cowl Wire
Engine Room Wire
Main Body ECU
Main Body ECU (Multiplex Network Body ECU)
Main Body ECU (Multiplex Network Master ECU)
Main Body ECU (Multiplex Network Gateway ECU)
Main Body ECU (Multiplex Network Door ECU)
Main Body ECU (Multiplex Network Sub-CAN ECU)
Main Body ECU (Multiplex Network Sub-LIN ECU)
Main Body ECU (Multiplex Network Sub-LIN ECU (Door))
Main Body ECU (Multiplex Network Sub-LIN ECU (Sliding Roof))
Main Body ECU (Multiplex Network Sub-LIN ECU (Rear))
Main Body ECU (Multiplex Network Sub-LIN ECU (Rear Door

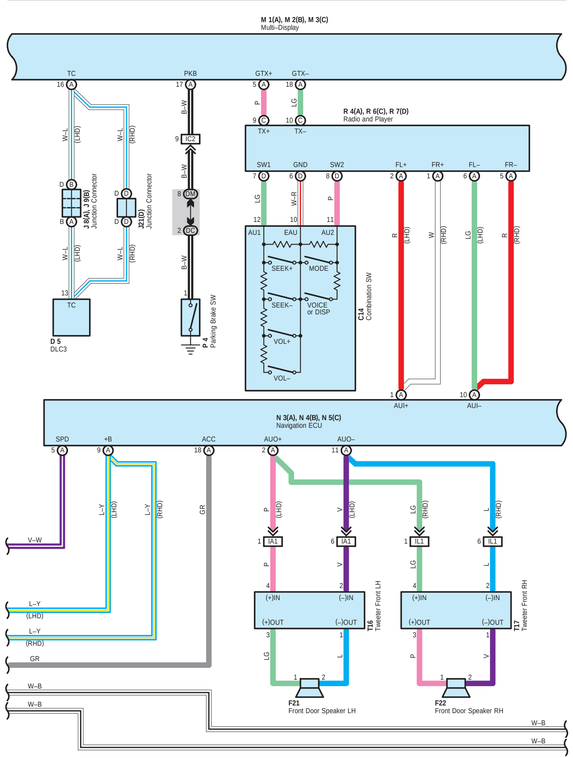
Moon Roof

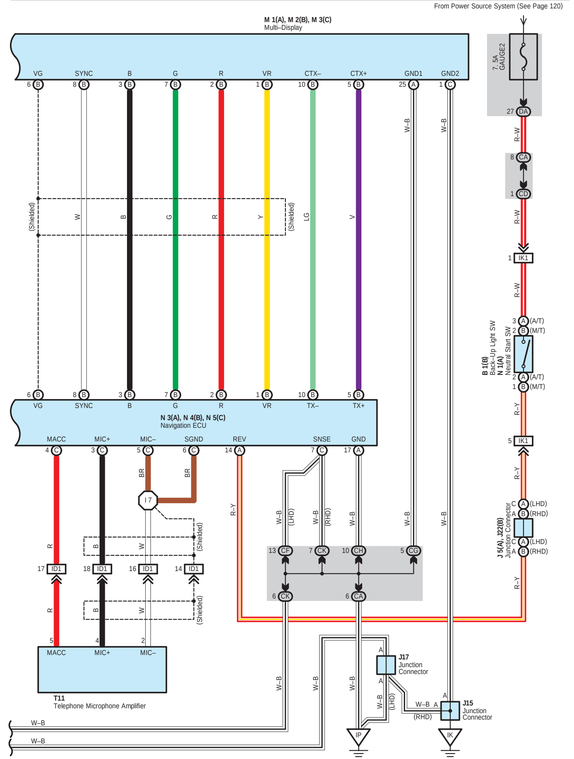

From Power Source System (See Page 120)
25A DOOR
7. 5A RAD NO. 1
10A GAUGE1
7 DB
R–W
Integration Relay
1 B
21 ACC
22 IG
DCTY PCTY KSW E P/W
17 9 19 25 20
13 DB 9 DC 8 DA 9 DA 6 DK 5 DA
R (LHD)
R (RHD)
R (LHD)
R (RHD)
Y (*1)
Y (*2)
W–B
W–B
B
B A J10(A) Junction Connector B A
5 CE 1 CA
D D J22 Junction Connector
Y Y (*2)
A (LHD) E (RHD) J 8(A), J26(C) Junction Connector A (LHD) E (RHD)
B
R (LHD)
R (RHD)
R (RHD)
14 IC2
9 IM1
1 1
D 9 Door Courtesy SW Front LH
D10 Door Courtesy SW Front RH
2 U 1 Unlock Warning SW 1
W–B (RHD)
13 CF
W–B (LHD)
A J16 Junction Connector A
6 CA 6 CK
W–B (LHD)
W–B
W–B
W–B
W–B
W–B
B
IL : *3
IO : *4
IP
IJ


From Power Source System (See Page 120)
20A S/ROOF
1 DG
R–W
L–W
1 ID1
L–W
6 BB1
L–W
10 +B
M 6 Moon Roof Control Relay and Motor
M
CPU
PWS GND SO SC SPD
3 5 1 6 8
B W–B G R V–W
5 BB1 2 BB1 1 BB1 3 BB1 4 BB1
B W–B G R V–W
6 ID1 2 ID1
B
OPN CLS
Open Close
E
2
M 7 Moon Roof Control SW
W–B W–B
B 5
W–B
W–B
1 7. 5A DOME
2 6
W–R
F A (LHD) F C (RHD)
F C
J10(A), J11(B), J26(C) Junction Connector
H B
W–R (LHD)
7 CA 6 CD
R–W
W–R (RHD)
21 20
C11 Combination Meter
Speedometer
CPU
18 5 19
V–W W–B L–W
H A (LHD) H C (RHD)
J10(A), J11(B), J20(C), J21(D) Junction Connector
F B (LHD) F D (RHD)
V–W
16 IE1
L–W
35 A (w/ VSC)
23 B (w/o VSC)
SP1
S 1(A), S 2(B) Skid Control ECU with Actuator
V–W
* 1 : LHD, RHD 1AZ–FE
* 2 : RHD Except 1AZ–FE
* 3 : 1CD–FTV
* 4 : Gasoline

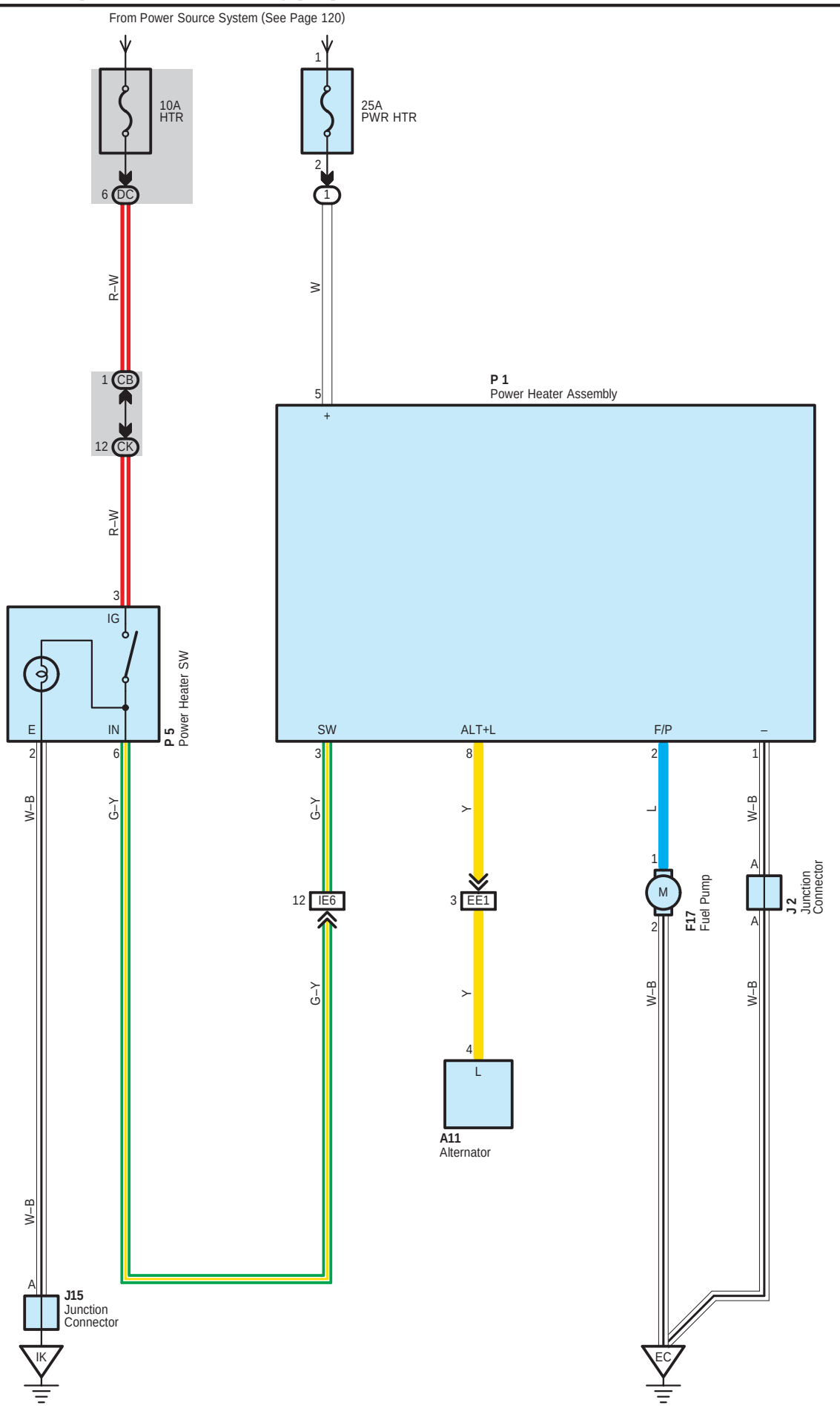

From Power Source System (See Page 120)
7.5A RAD NO.1
15A RAD NO.2
10A GAUGE1
7.5A ST
M 1(A), M 2(B), M 3(C)
Multi–Display
ST1
IG1
+B1
ACC
J2(A), J2(B)
Junction Connector
J3(A), J3(B), J20(C), J21(D)
Junction Connector


M 1(A), M 2(B), M 3(C)
Multi–Display
From Power Source System (See Page 120)
7.5A DOME
J10(A), J11(B), J20(C)
Junction Connector
R11
Remote Controller Receiver
C10(A), C11(B)
Combination Meter
CPU
AVC–LAN I/F
Speedometer
J16(A), J11(B), J20(C), J21(D)
Junction Connector
S 1(A), S 2(B)
Skid Control ECU with Actuator
SP1

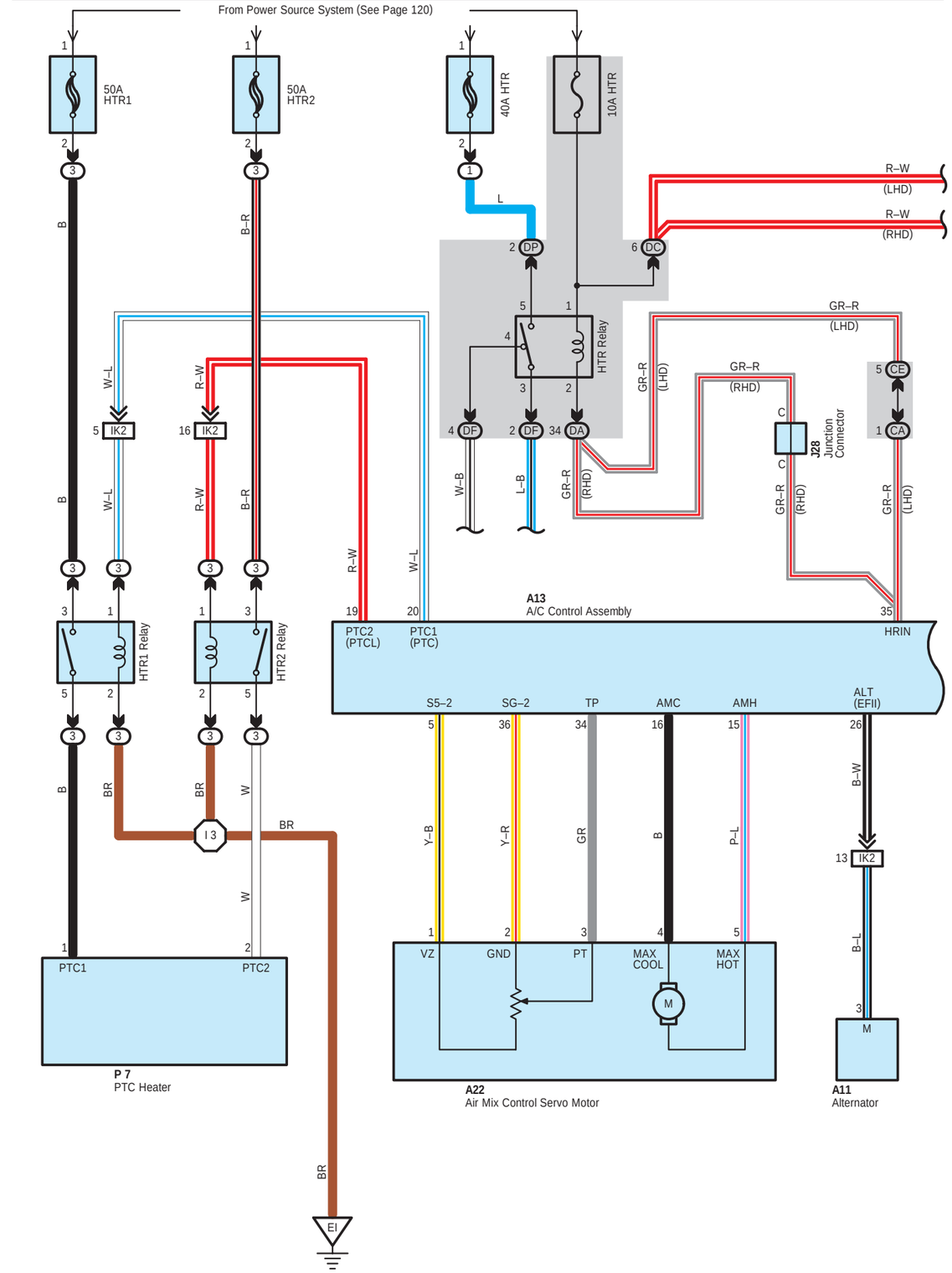

M 1(A), M 2(B), M 3(C)
Multi–Display
R 4(A), R 6(C), R 7(D)
Radio and Player
N 3(A), N 4(B), N 5(C)
Navigation ECU
J8(A), J9(B)
Junction Connector
J21(D)
Junction Connector
C14
Combination SW
D 5
DLC3
Parking Brake SW
T36
Tweeter Front LH
T37
Tweeter Front RH
F21
Front Door Speaker LH
F22
Front Door Speaker RH

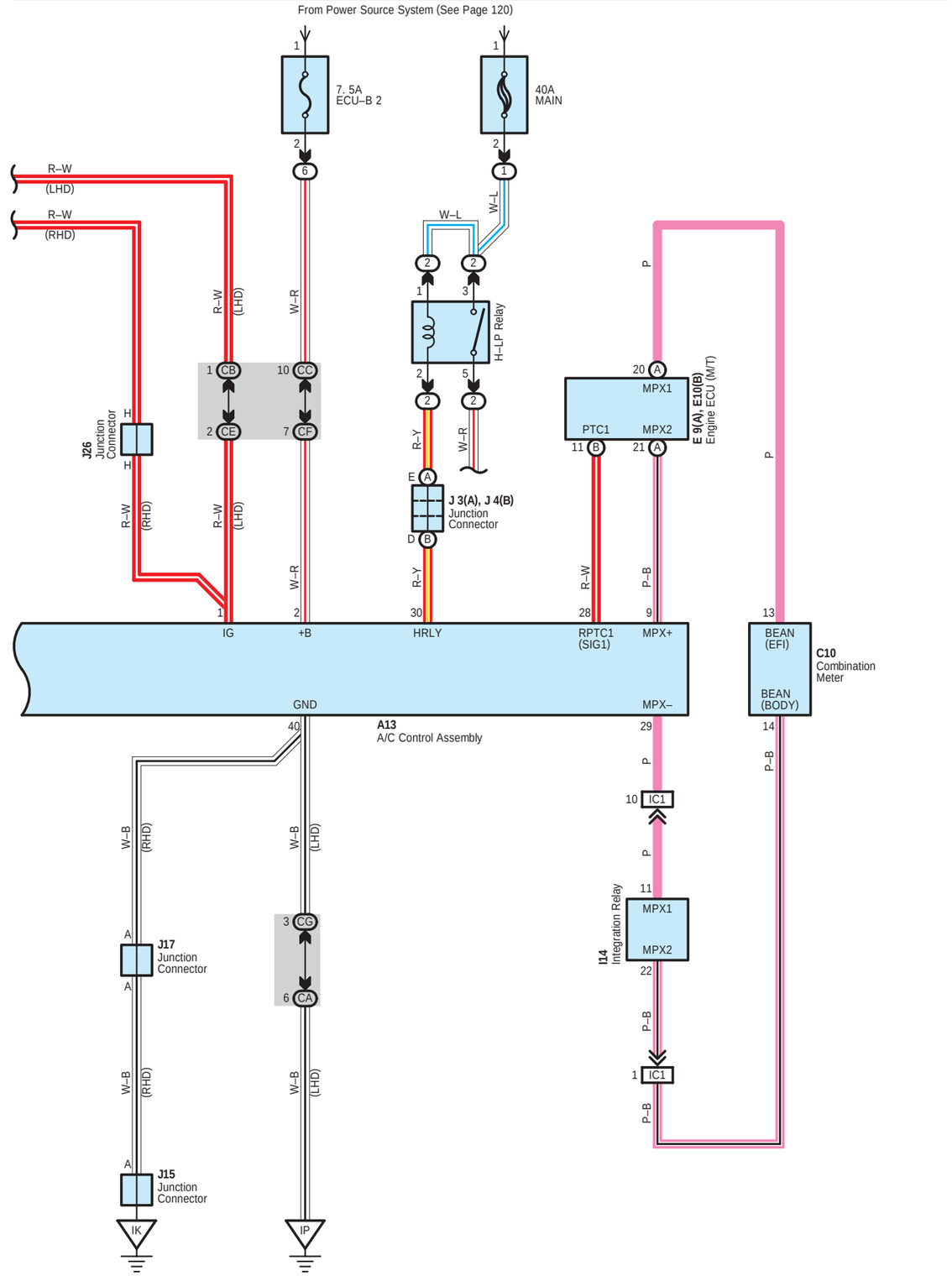

From Power Source System (See Page 120)
M 1(A), M 2(B), M 3(C)
Multi–Display
7.5A GAUGE2
N 3(A), N 4(B), N 5(C)
Navigation ECU
B 1(B)
Back–Up Light SW
N 1(A)
Neutral Start SW
J16(A), J22(B)
Junction Connector
T11
Telephone Microphone Amplifier
J17
Junction Connector
J15
Junction Connector

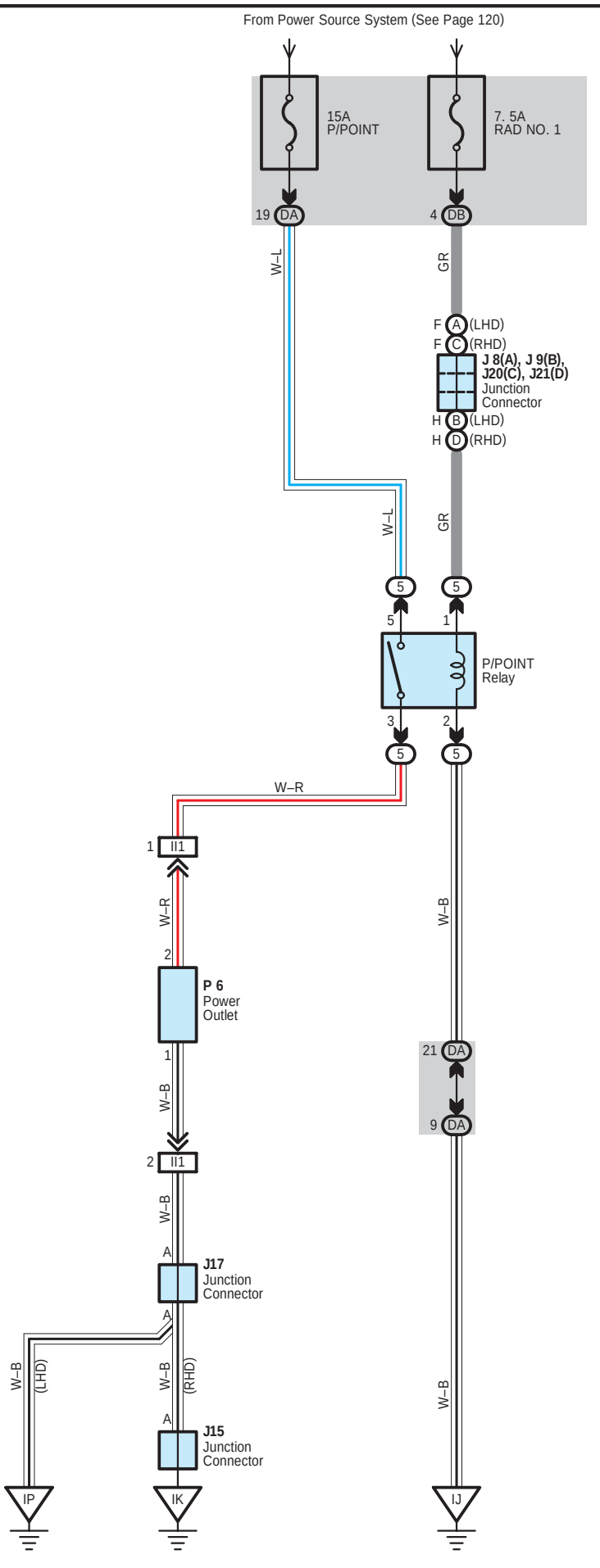
Power Heater (Combustion Type)



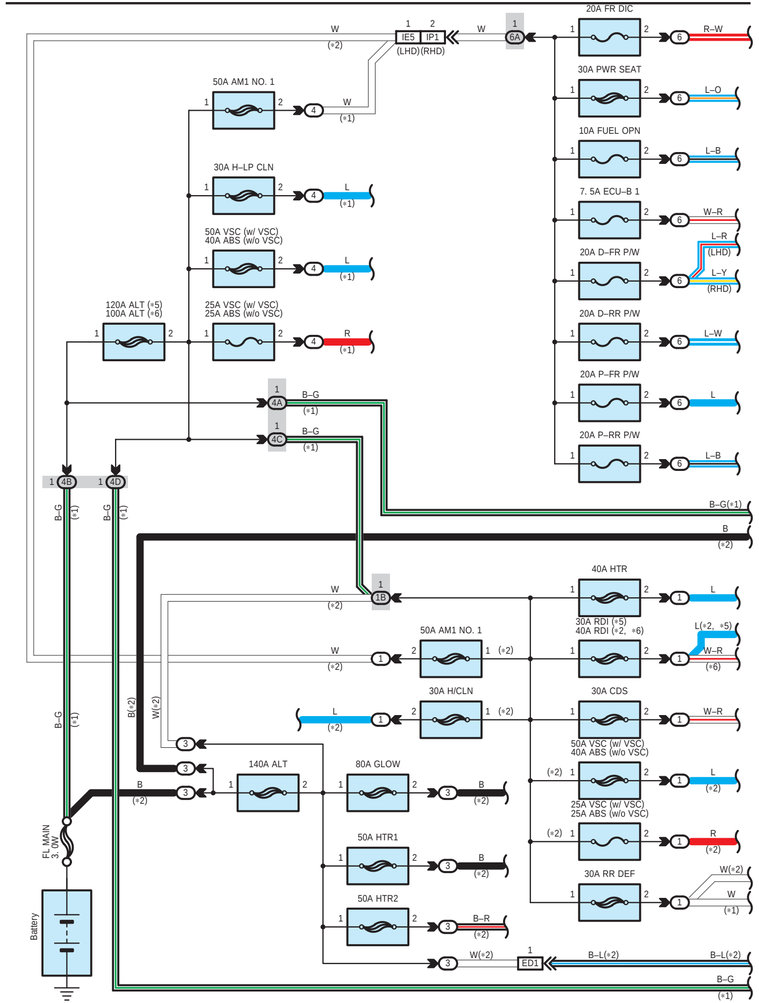
Power Heater (Electrical Type)

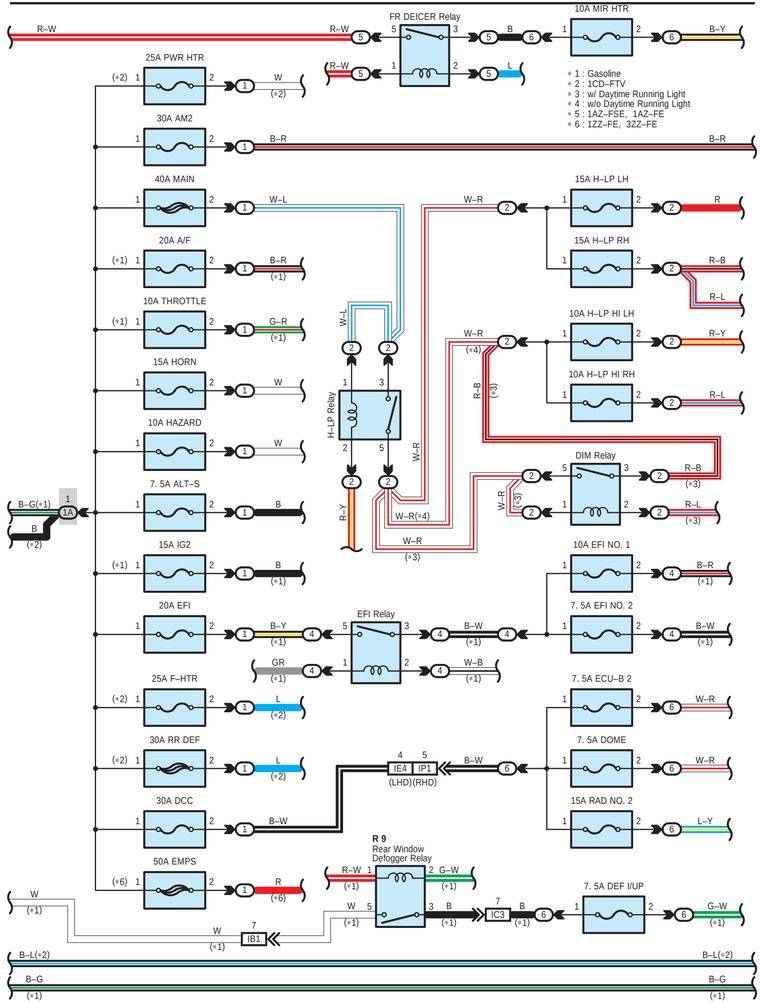


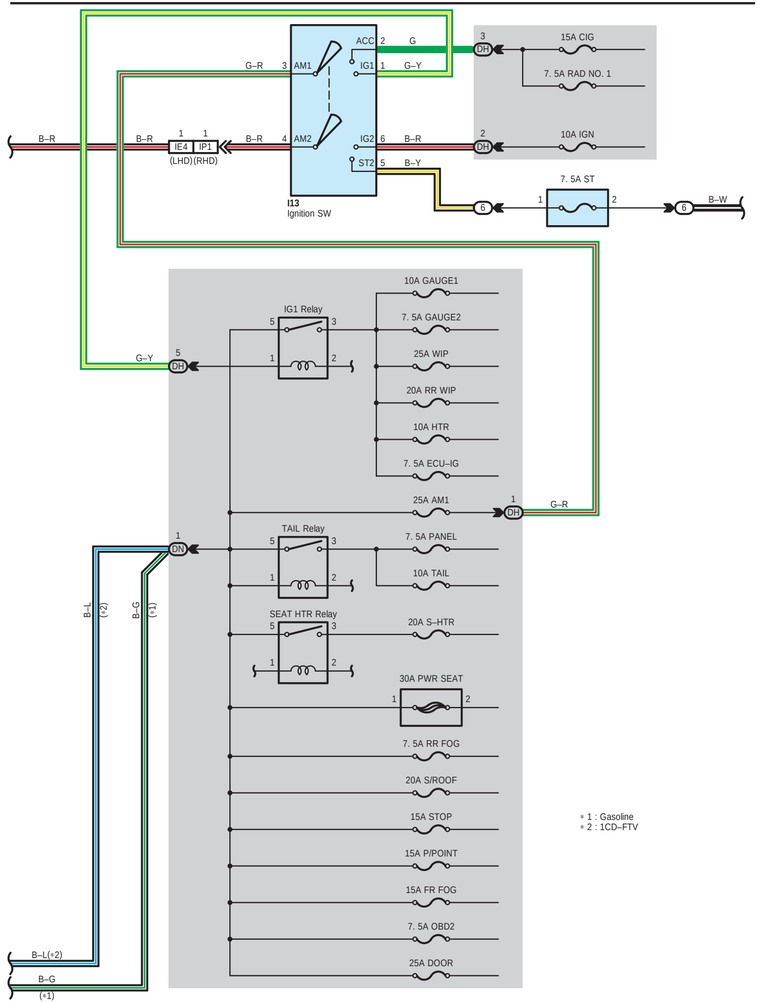



From Power Source System (See Page 120)
15A
P/POINT
7. 5A
RAD NO. 1
19 DA
4 DB
W–L
GR
F A (LHD)
F C (RHD)
J 8(A), J 9(B),
J20(C), J21(D)
Junction
Connector
H B (LHD)
H D (RHD)
W–L
GR
5
5
5
1
P/POINT
Relay
3
2
5
5
W–R
1 II1
W–R
2
P 6
Power
Outlet
1
W–B
2 II1
W–B
A
J17
Junction
Connector
A
W–B (LHD)
W–B (RHD)
A
J15
Junction
Connector
IP
IK
W–B
21 DA
9 DA
W–B
IJ

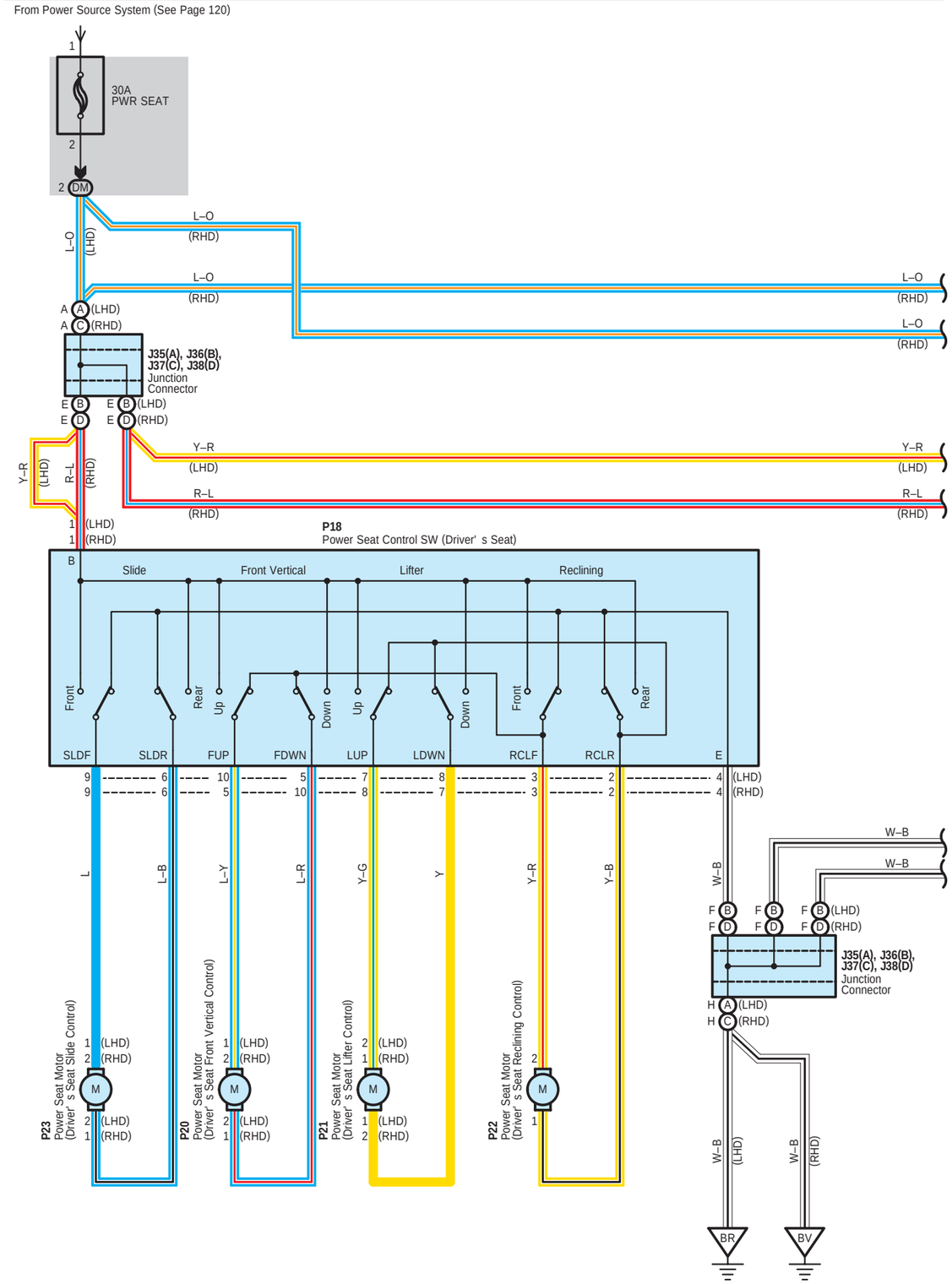
Power Source

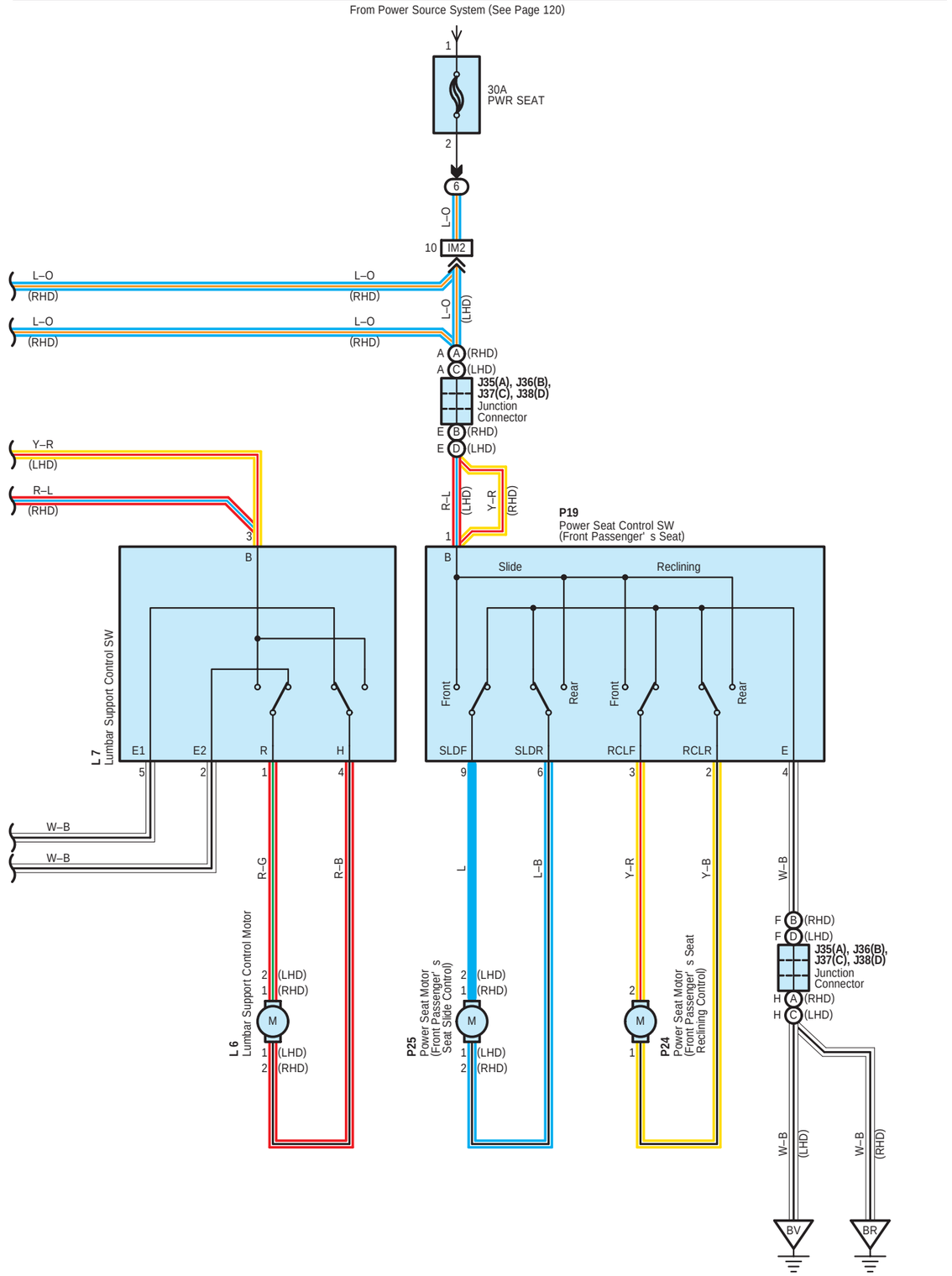




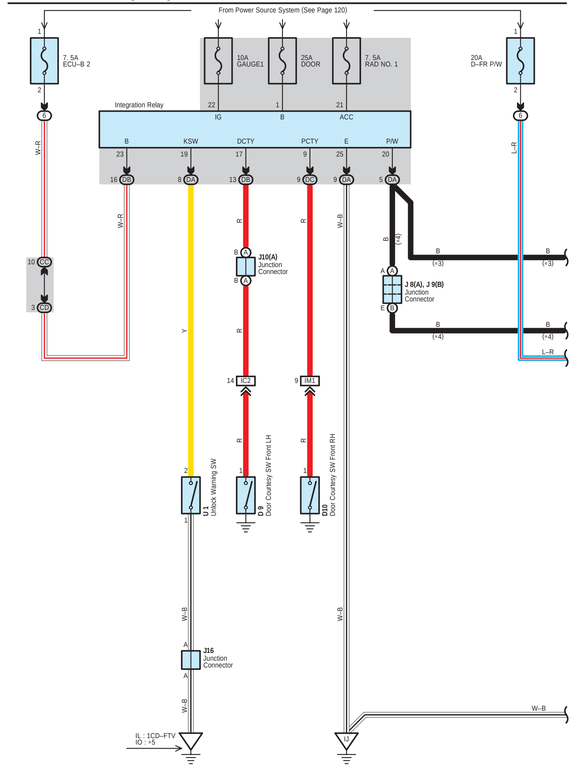


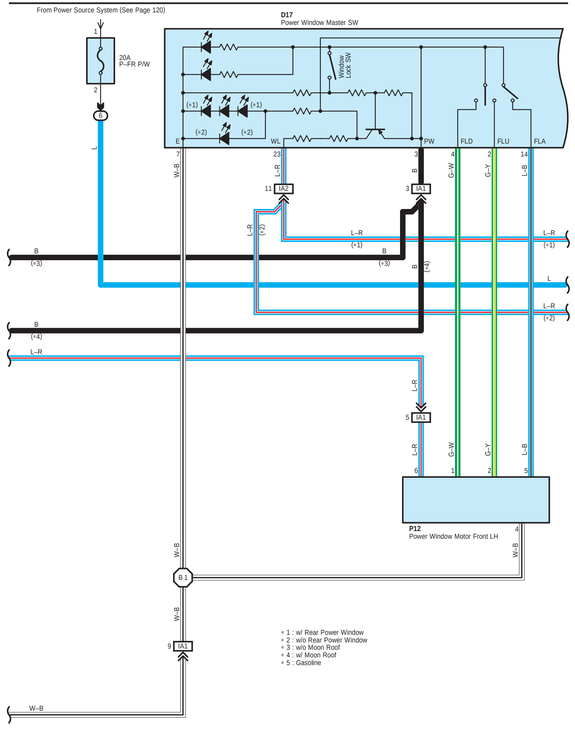
Power Seat


From Power Source System (See Page 120)
30A
PWR SEAT
DM
L–O (LHD)
L–O (RHD)
J35(A), J36(B),
J37(C), J38(D)
Junction
Connector
Y–R (LHD)
R–L (RHD)
P18
Power Seat Control SW (Driver' s Seat)
Slide
Front Vertical
Lifter
Reclining
Front
Rear
Up
Down
SLDF
SLDR
FUP
FDWN
LUP
LDWN
RCLF
RCLR
E
L
L–B
L–Y
L–R
Y–G
Y
Y–R
Y–B
W–B
P23
Power Seat Motor
(Driver' s Seat Slide Control)
P20
Power Seat Motor
(Driver' s Seat Front Vertical Control)
P21
Power Seat Motor
(Driver' s Seat Lifter Control)
P22
Power Seat Motor
(Driver' s Seat Reclining Control)
BR
BV

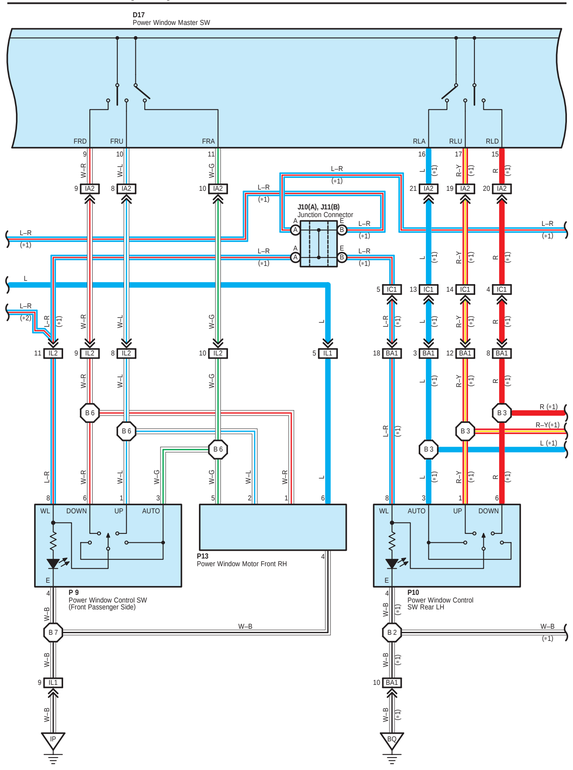

From Power Source System (See Page 120)
30A
PWR SEAT
IM2
L–O (LHD)
J35(A), J36(B),
J37(C), J38(D)
Junction
Connector
R–L (LHD)
Y–R (RHD)
P19
Power Seat Control SW
(Front Passenger' s Seat)
Slide
Reclining
Front
Rear
SLDF
SLDR
RCLF
RCLR
E
L 7
Lumbar Support Control SW
E1
E2
R
H
L 6
Lumbar Support Control Motor
R–G
R–B
P25
Power Seat Motor
(Front Passenger' s
Seat Slide Control)
P24
Power Seat Motor
(Front Passenger' s Seat
Reclining Control)
W–B
BR
BV

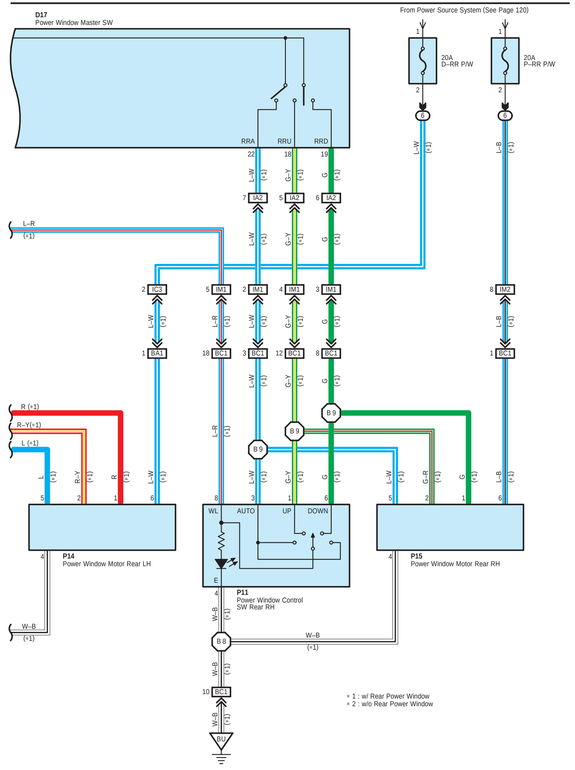
Power Window (LHD)



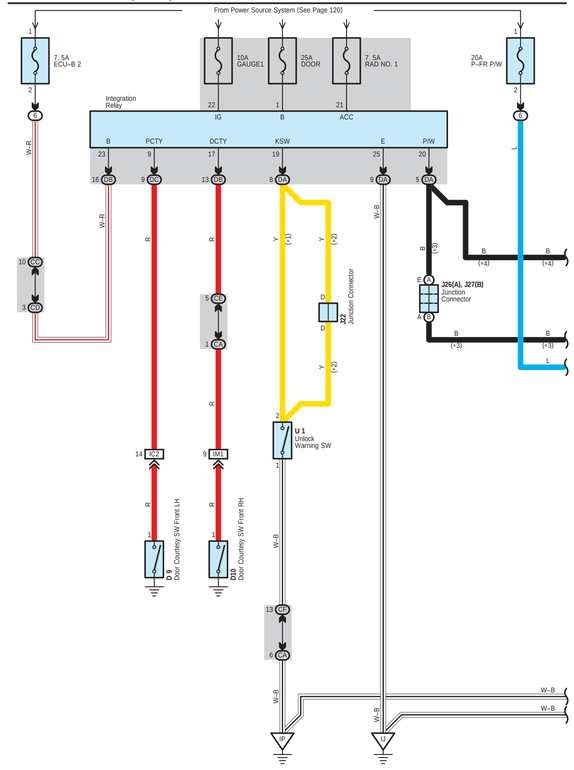


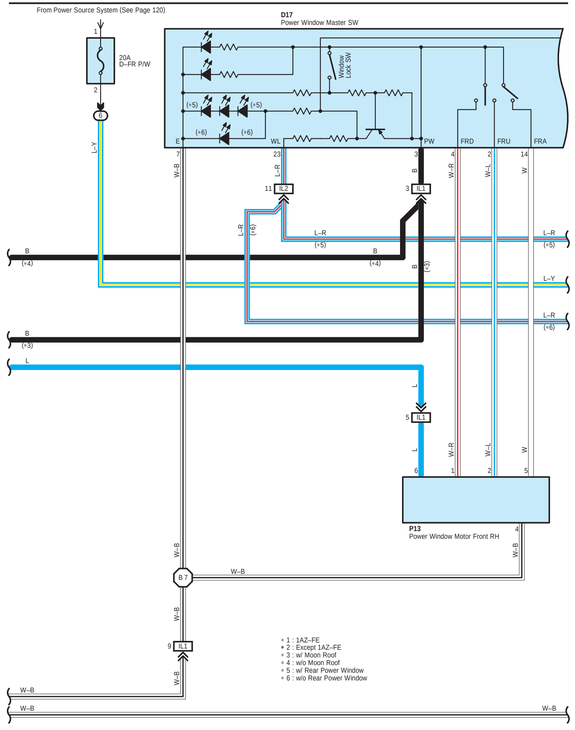
Power Window (LHD)



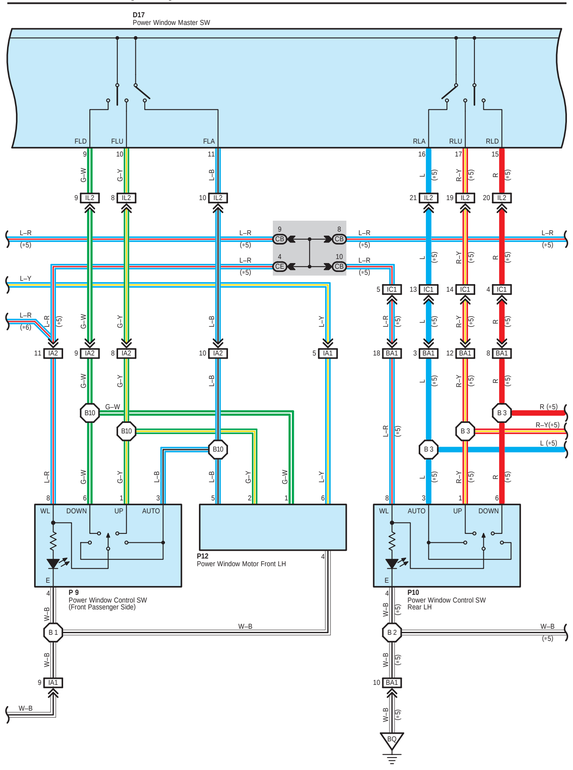


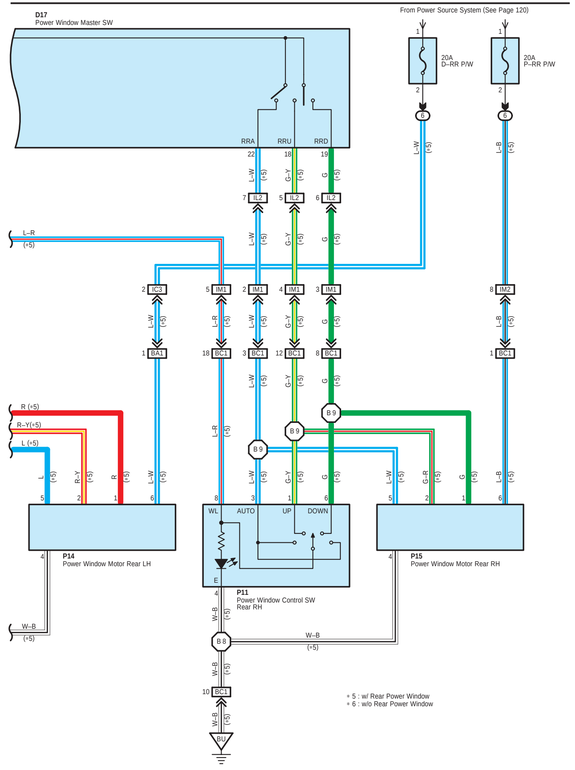
Power Window (RHD)



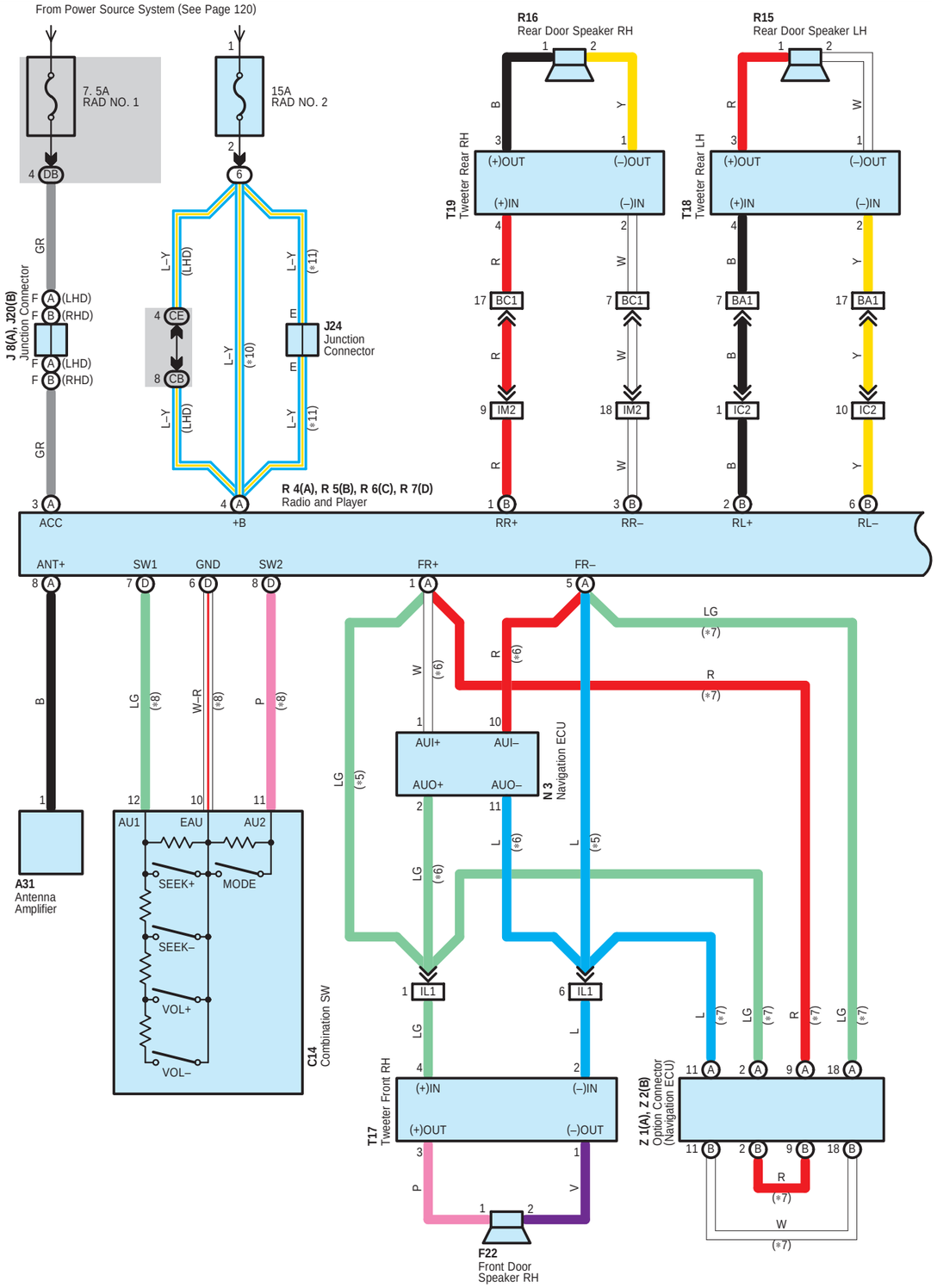


Power Window (RHD)



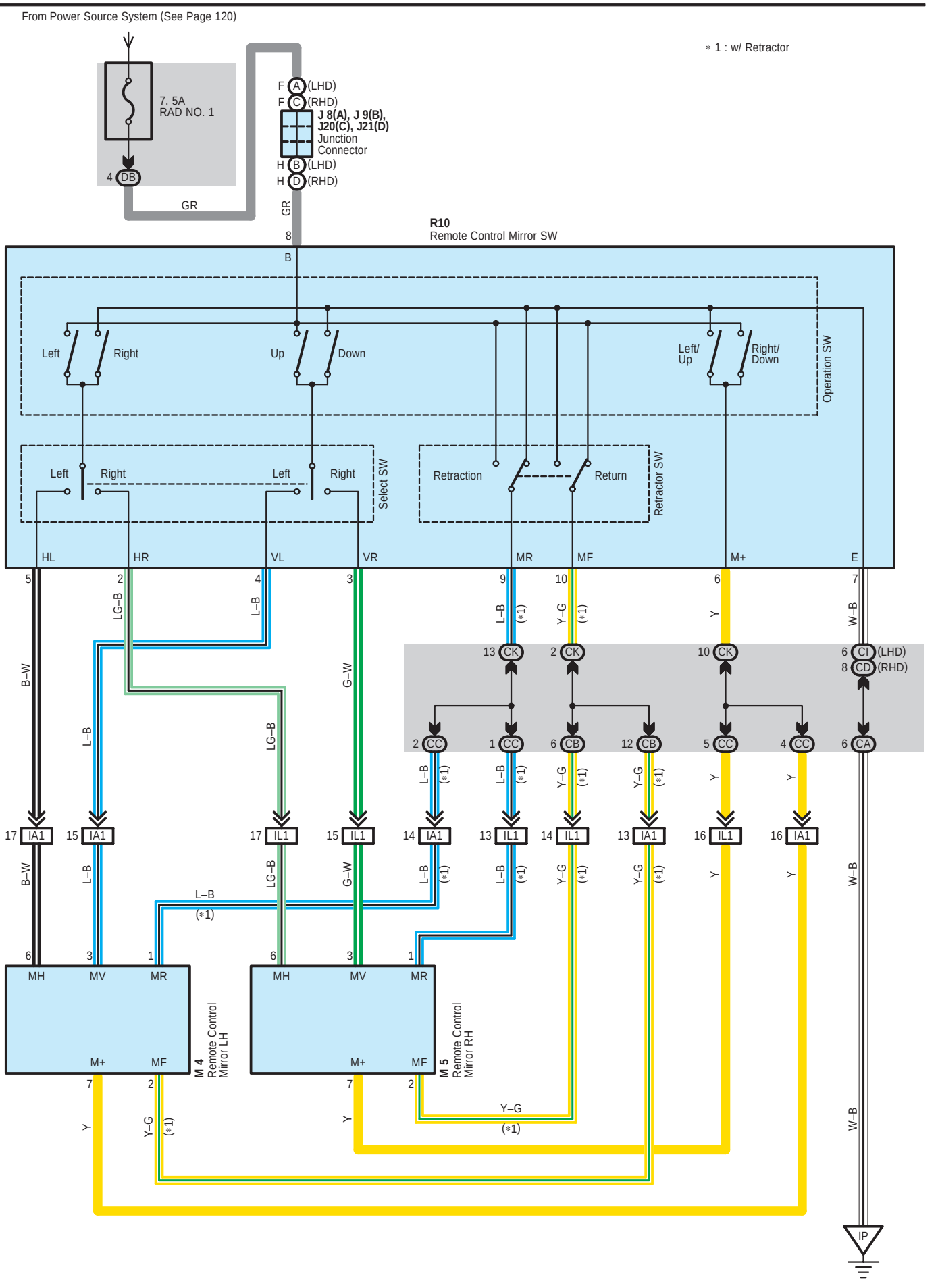


Radio and Player

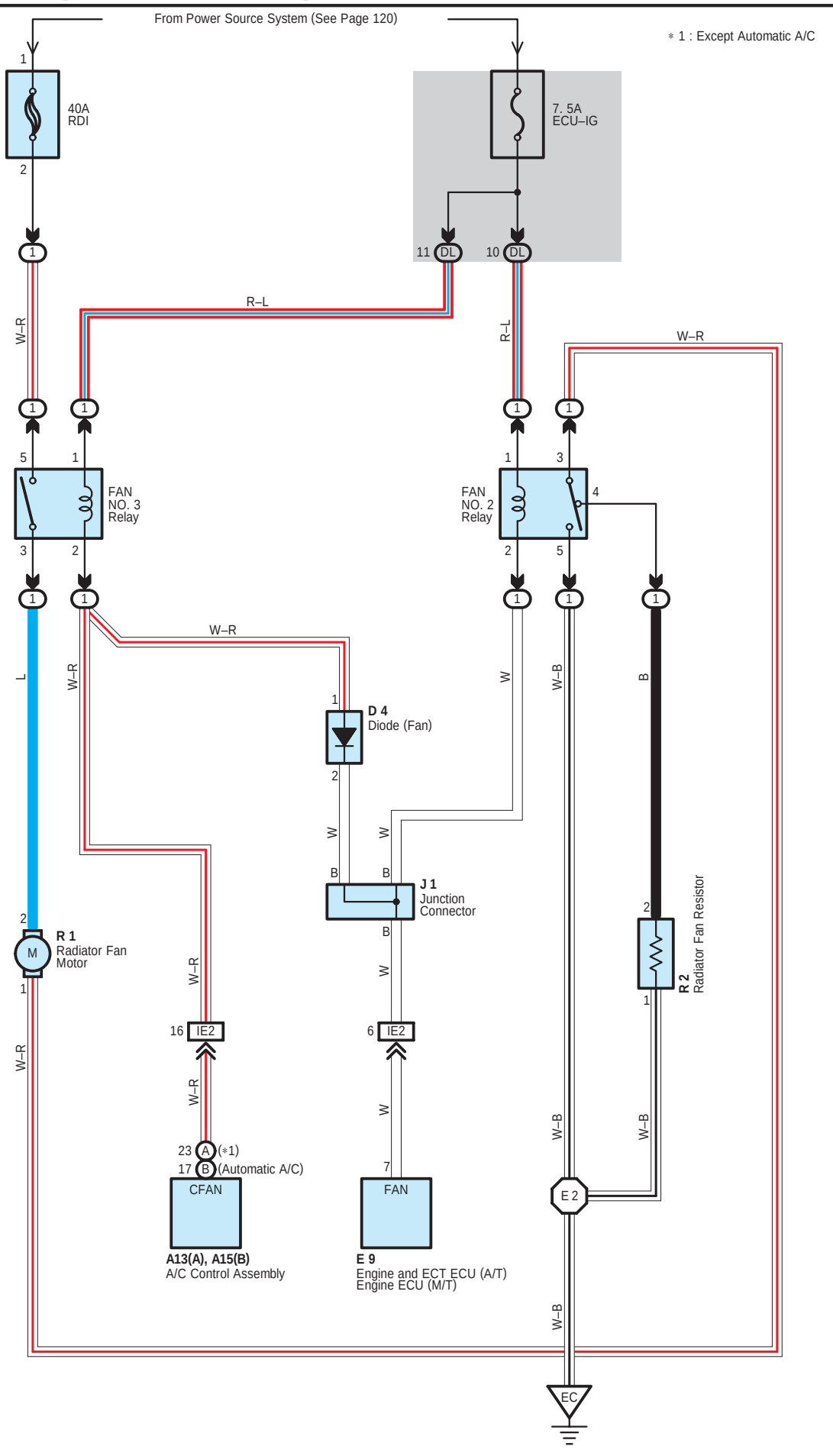


∗ 1 : LHD ∗3
∗ 2 : LHD ∗9
∗ 3 : w/ Navigation System (Map Type)
∗ 4 : RHD, LHD w/o Multi–Display
∗ 5 : LHD, RHD w/o Multi–Display
∗ 6 : RHD ∗3
∗ 7 : RHD ∗9
∗ 8 : w/ Steering SW
∗ 9 : w/ Multi–Display w/o Navigation System (Map Type)
∗10 : RHD 1CD–FTV w/o Multi–Display
∗11 : RHD Except 1CD–FTV w/o Multi–Display

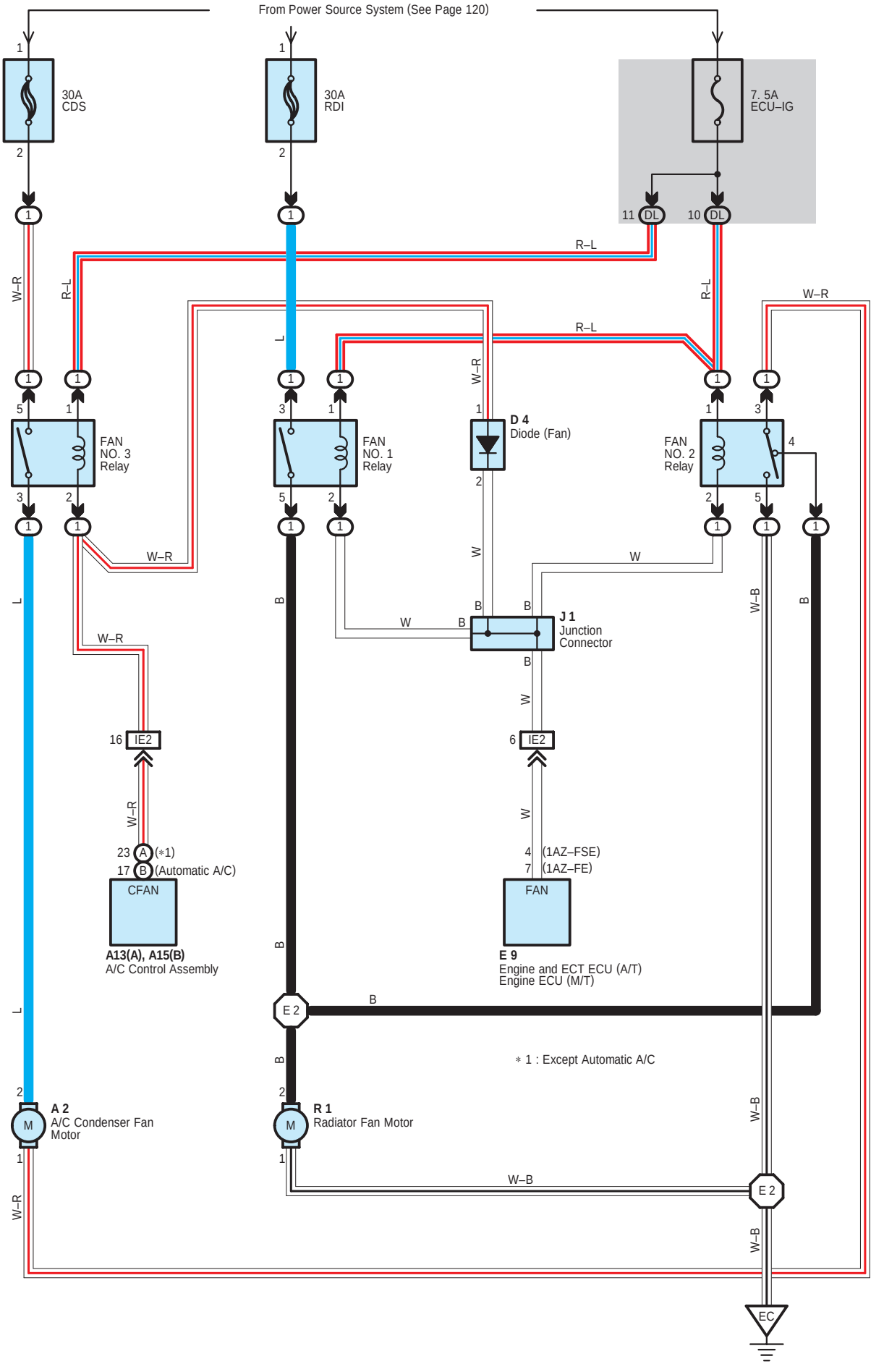
Remote Control Mirror



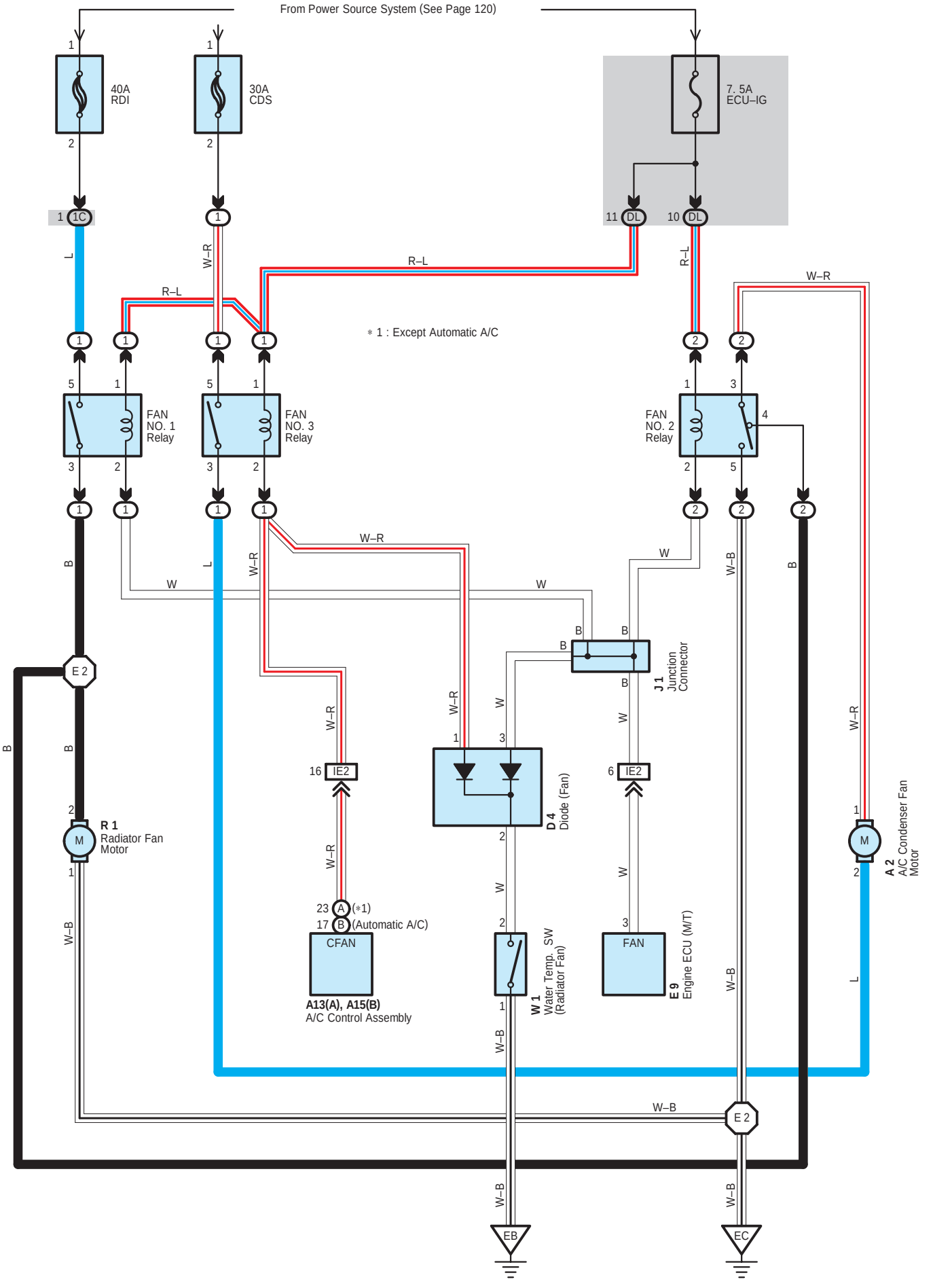
Radiator Fan (1ZZ–FE, 3ZZ–FE)



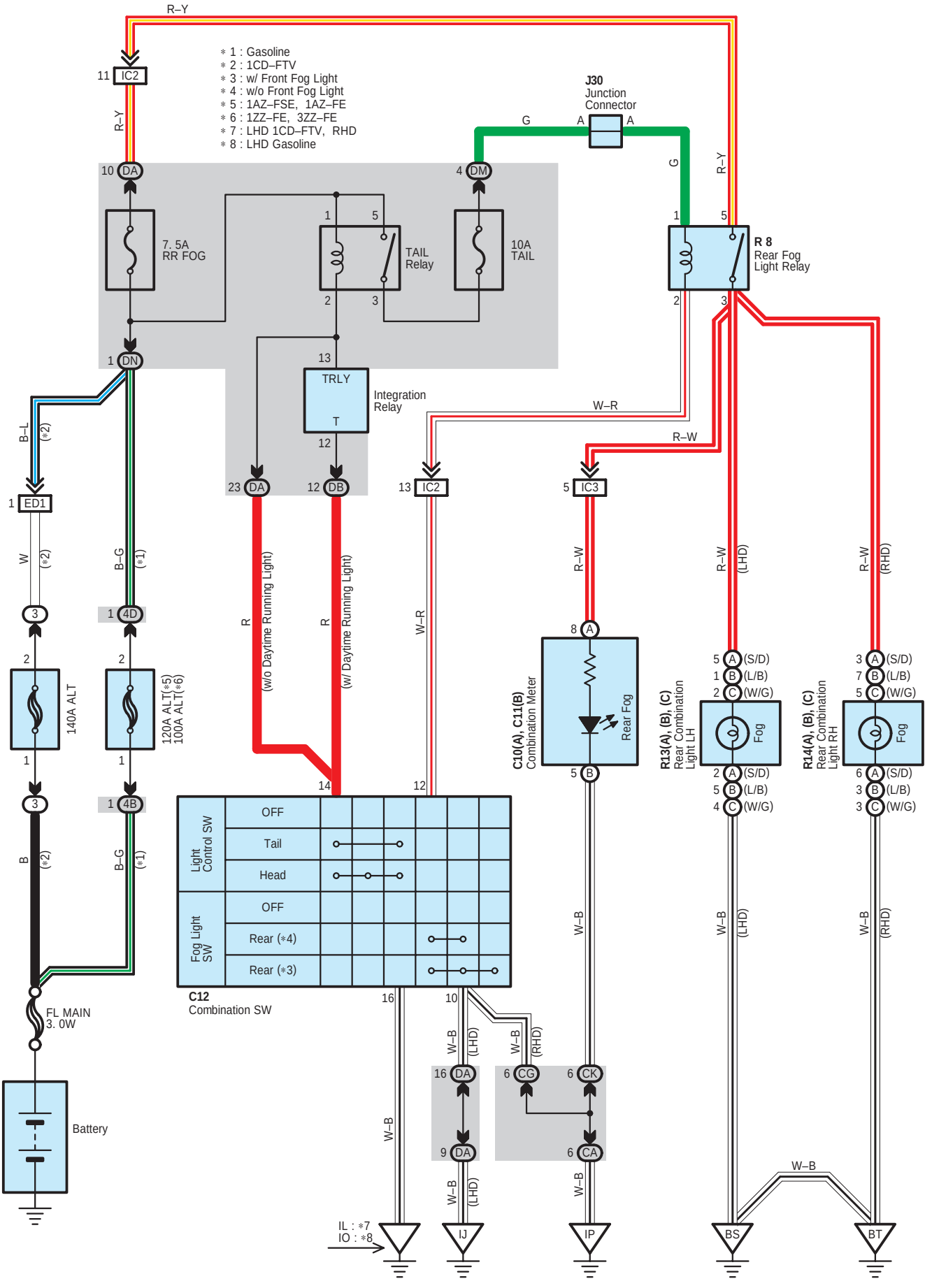
Radiator Fan and Condenser Fan (1AZ–FE, 1AZ–FSE)



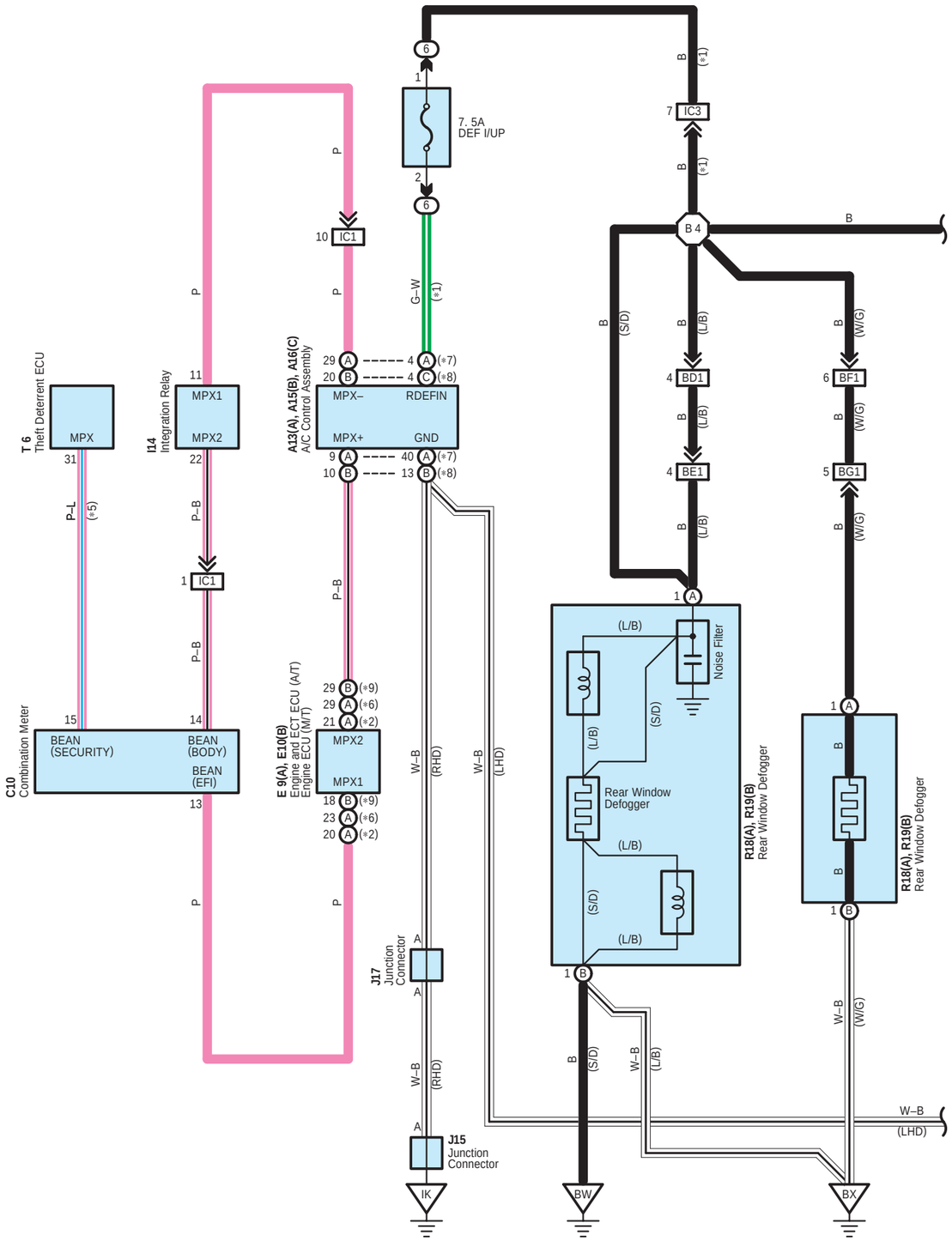
Radiator Fan and Condenser Fan (1CD–FTV)

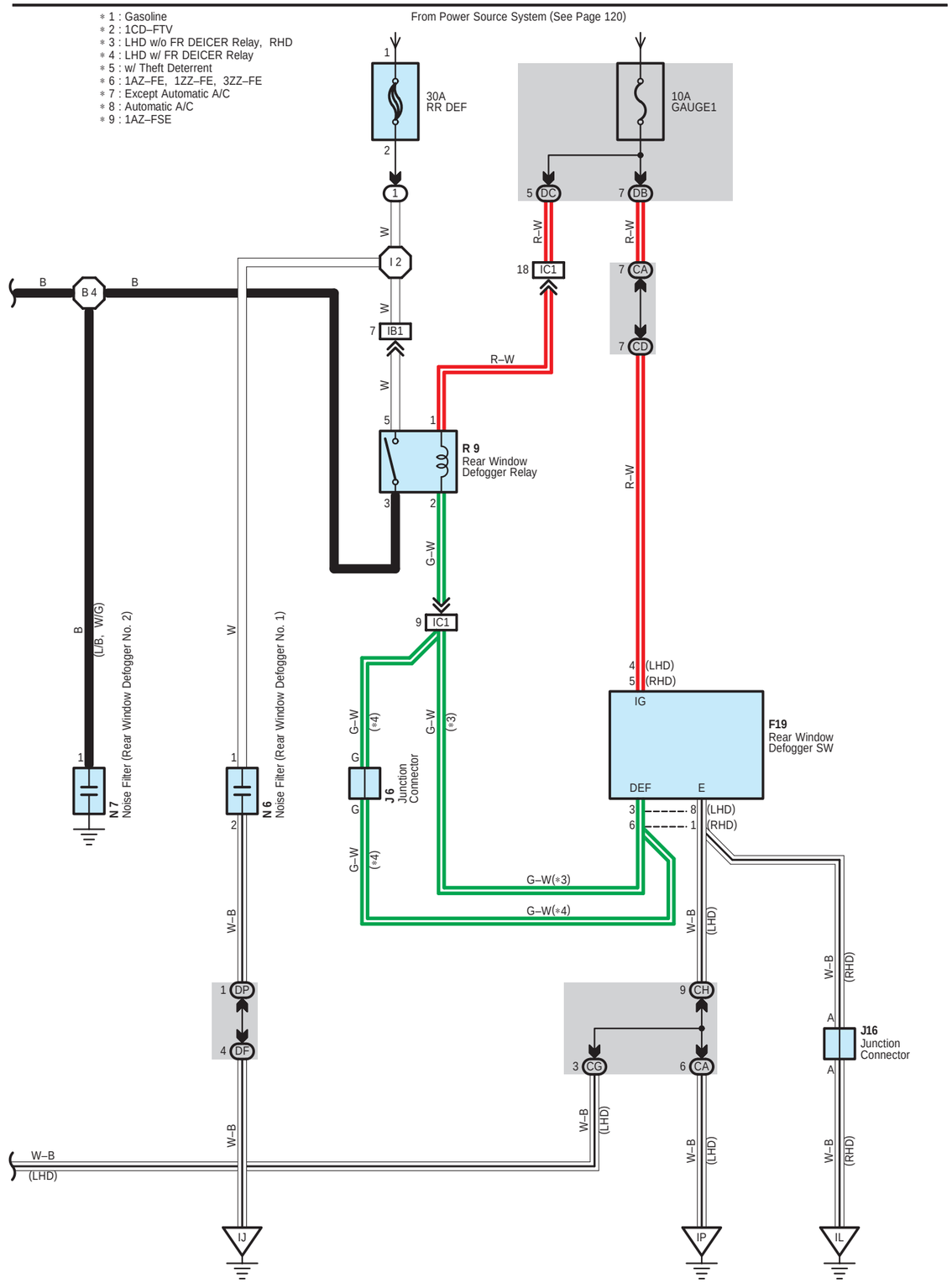


Rear Fog Light

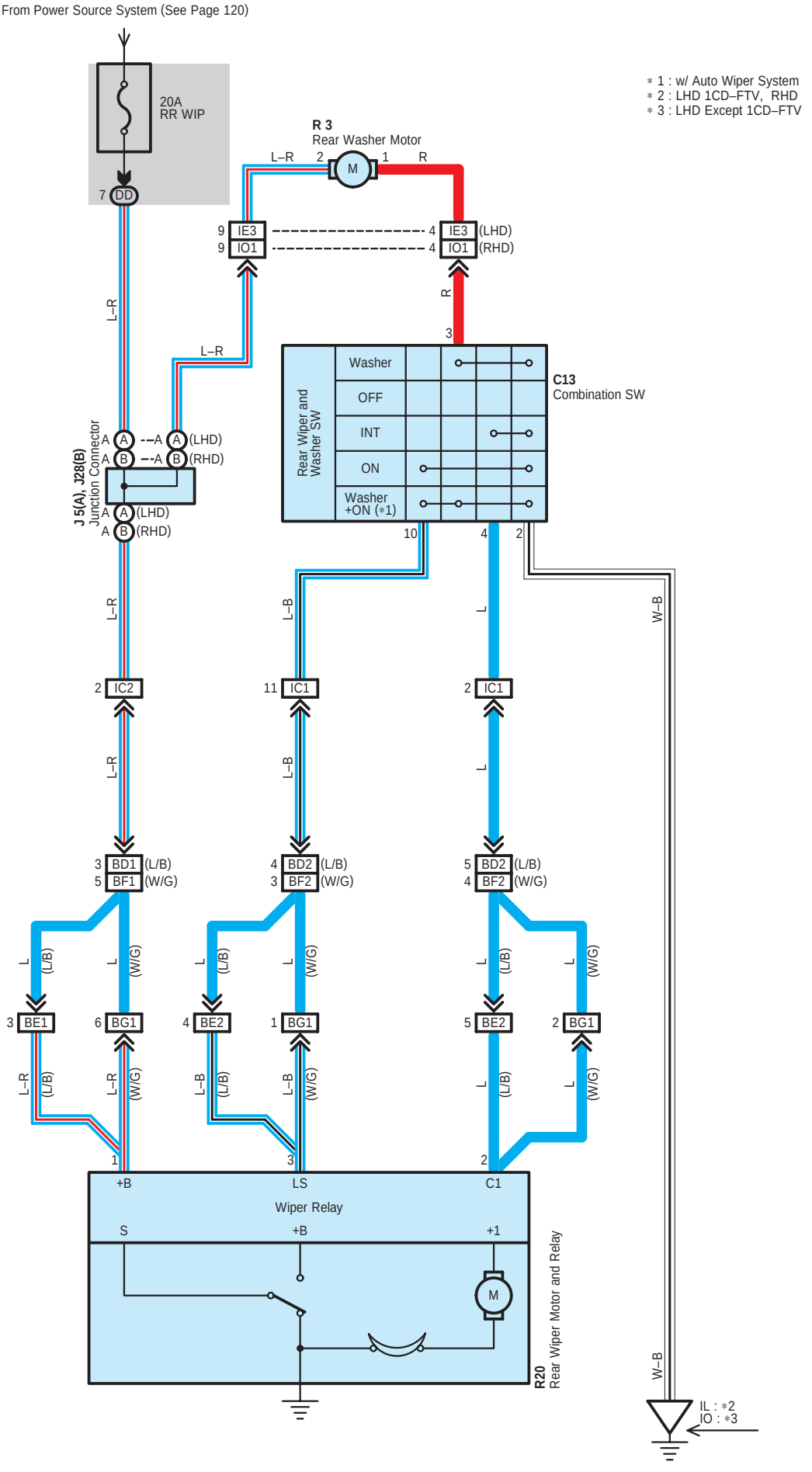


Rear Window Defogger

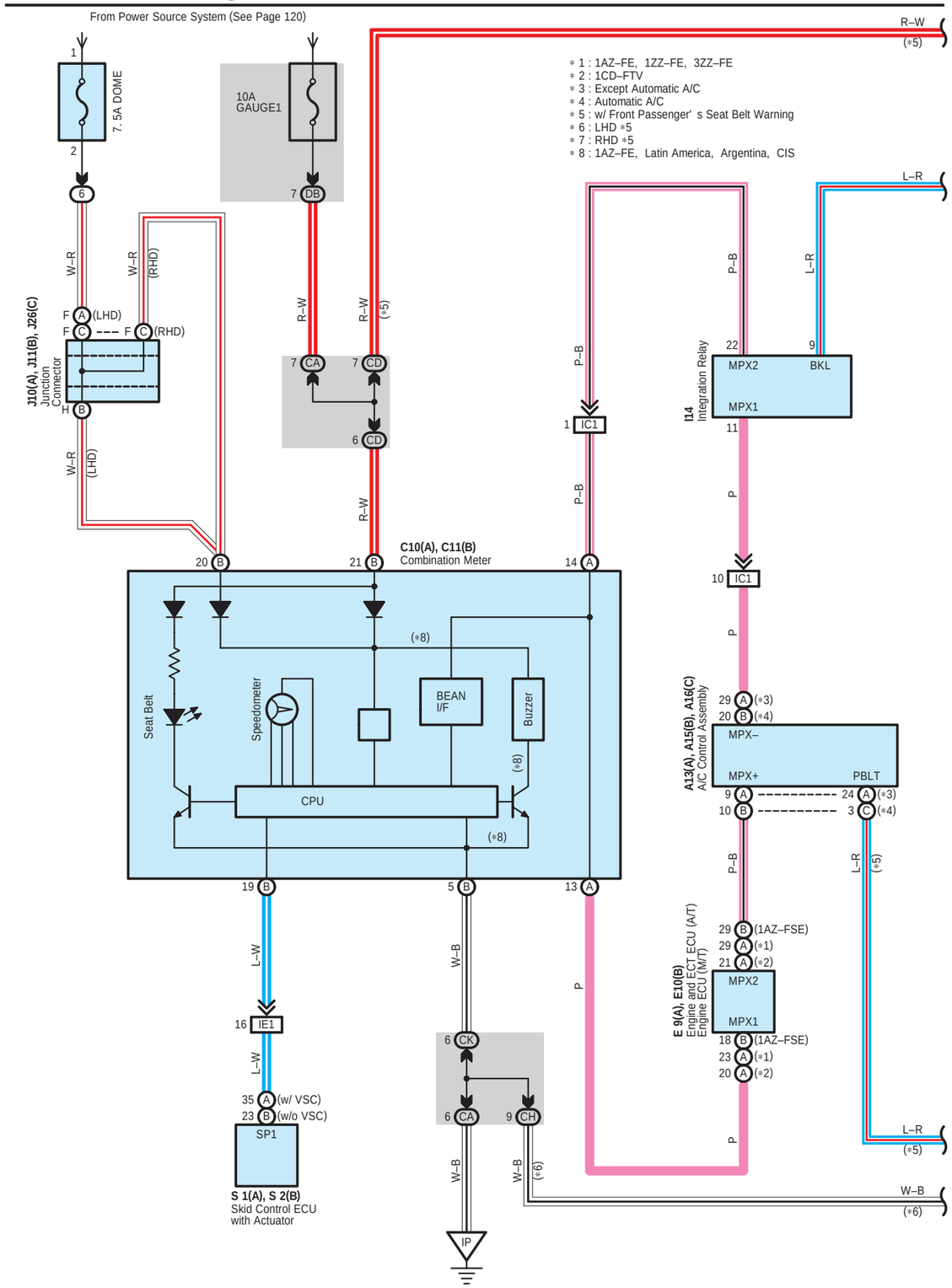




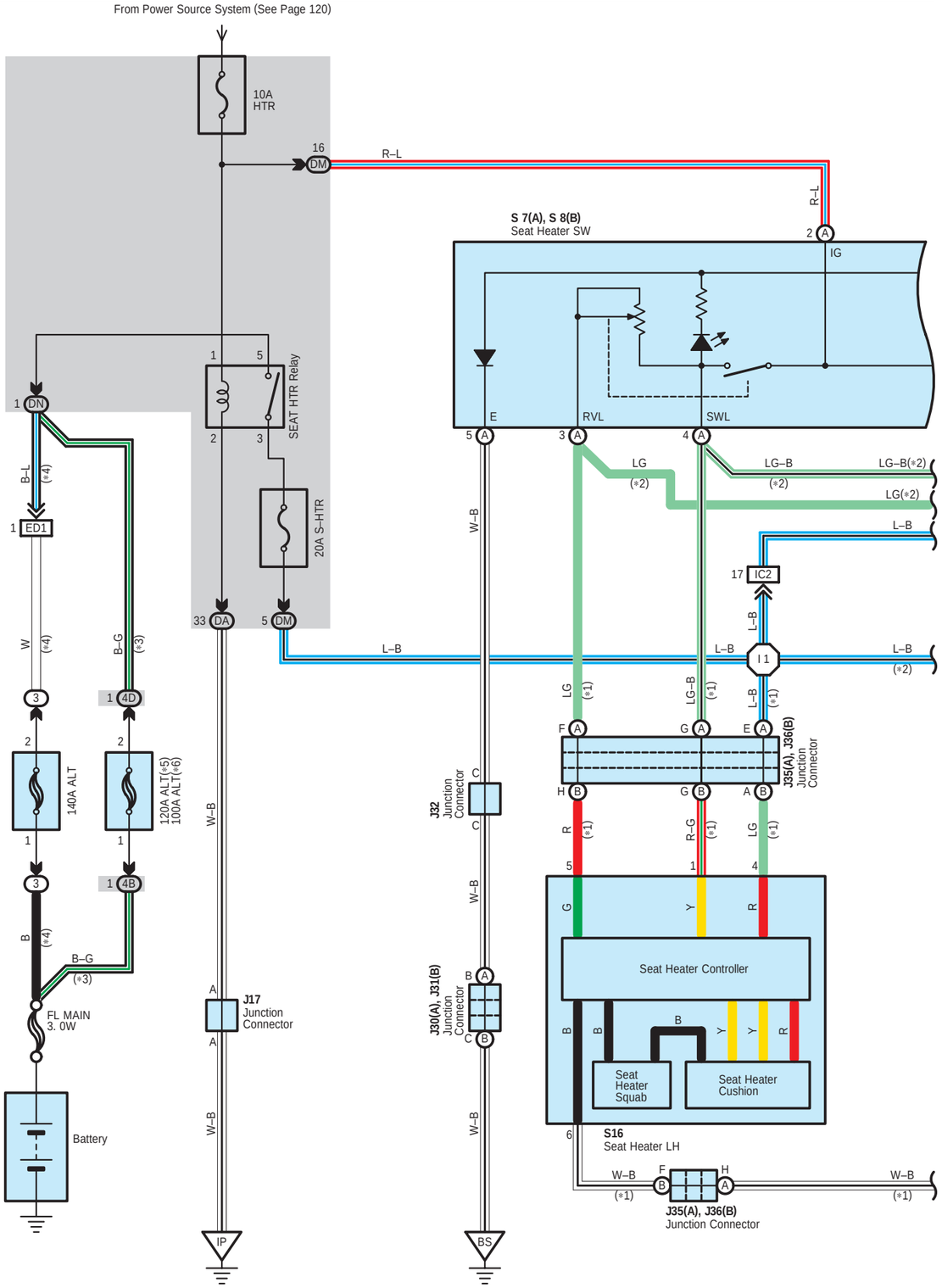
Rear Wiper and Washer

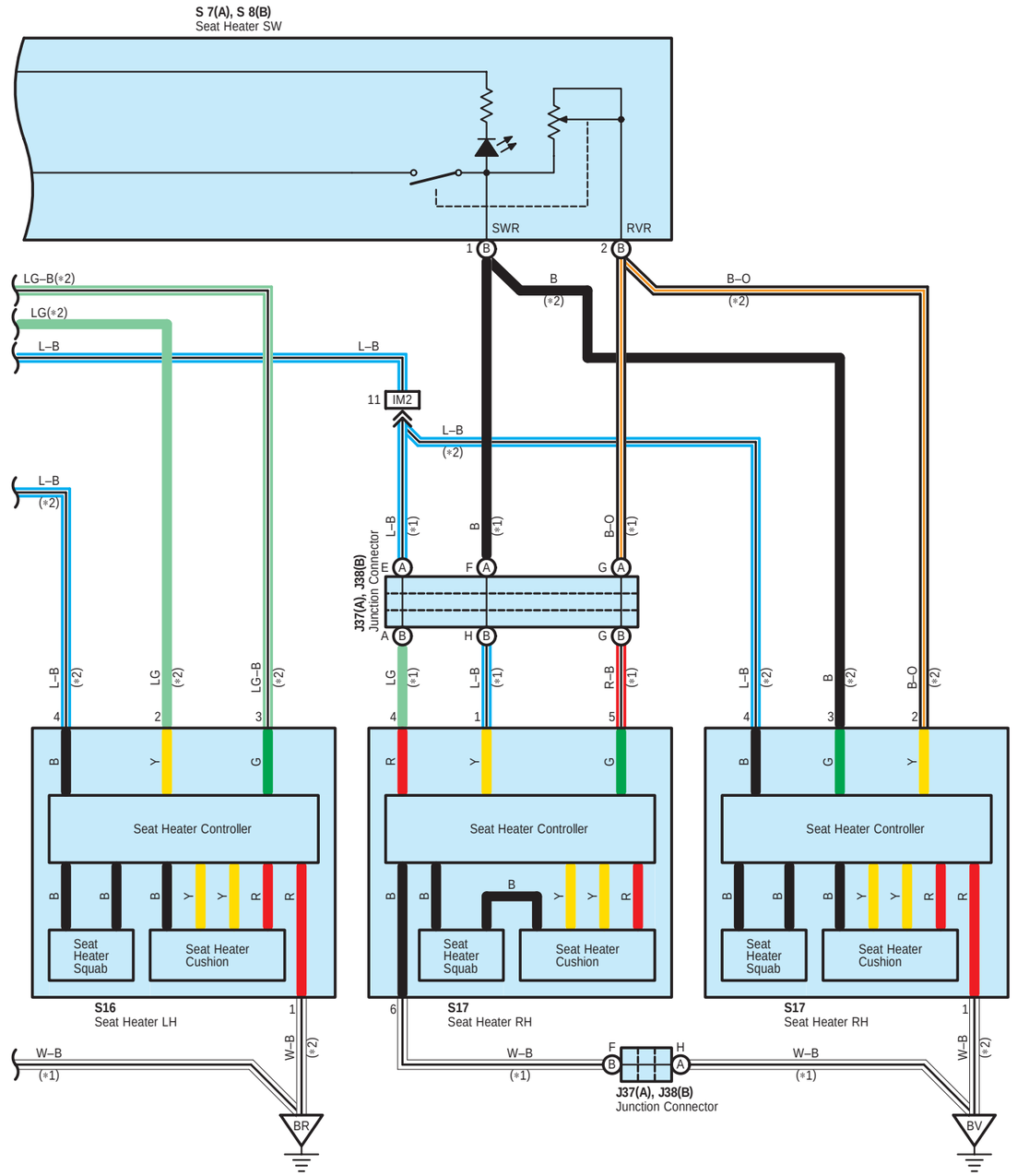


Seat Belt Warning



Seat Heater

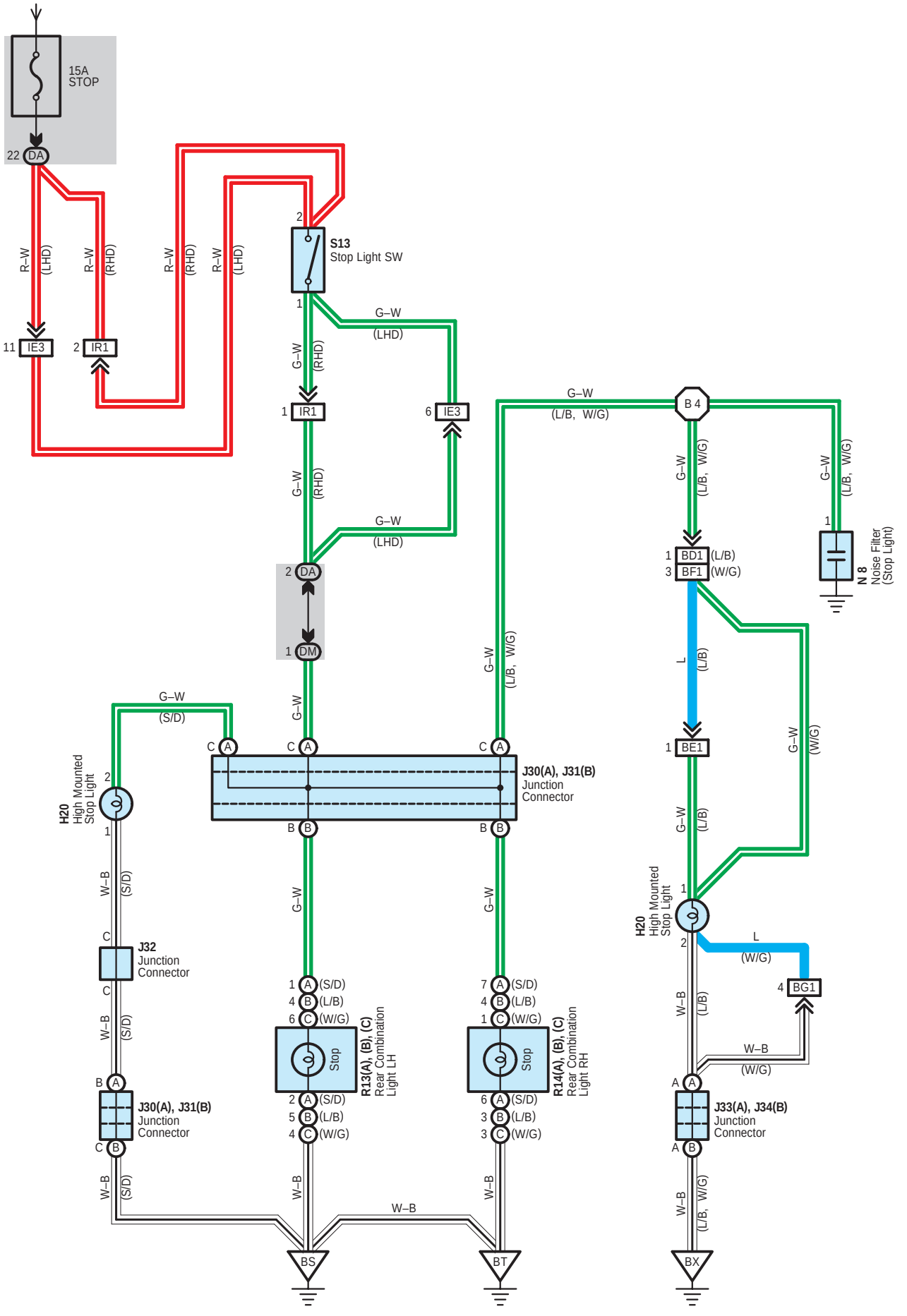


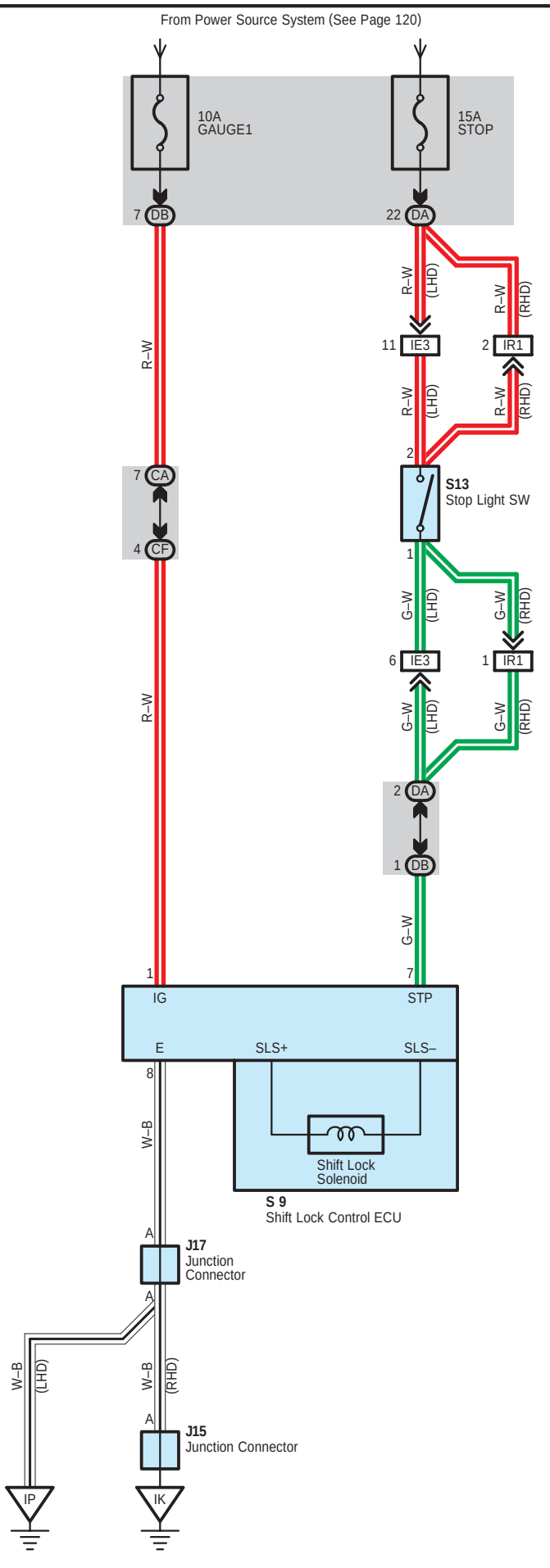


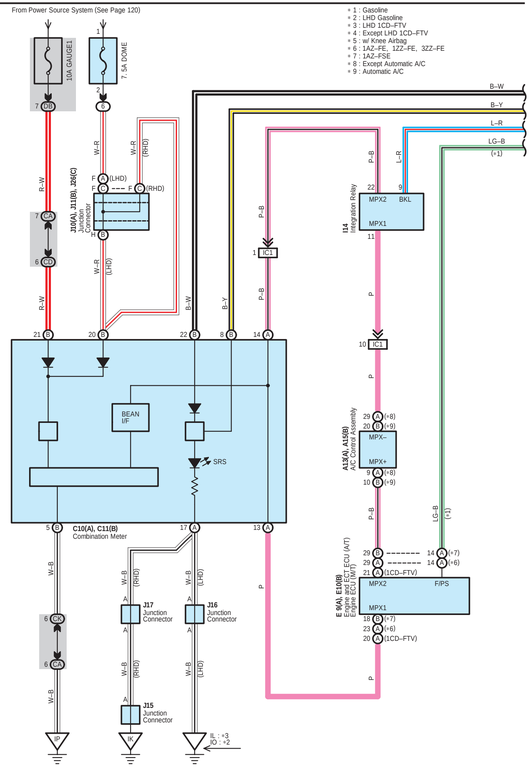
＊1 : w/ Power Seat
＊2 : w/o Power Seat
＊3 : Gasoline
＊4 : 1CD–FTV
＊5 : 1AZ–FSE, 1AZ–FE
＊6 : 1ZZ–FE, 3ZZ–FE

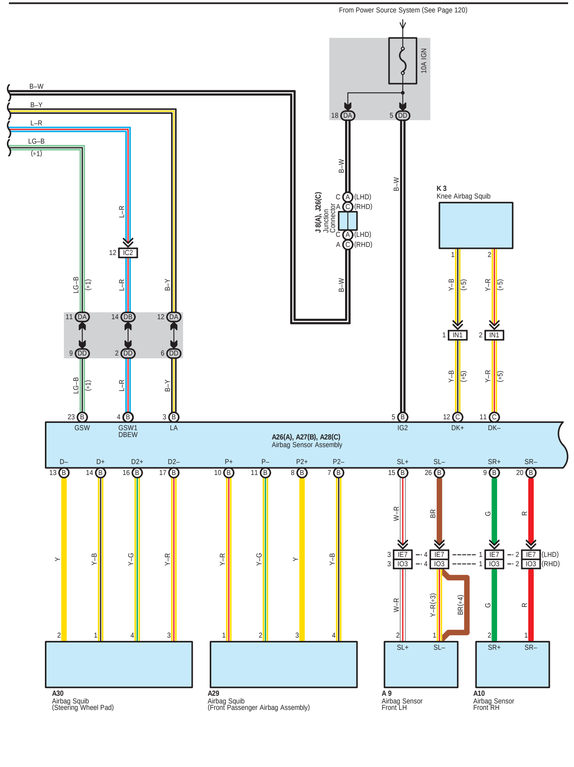
Stop Light

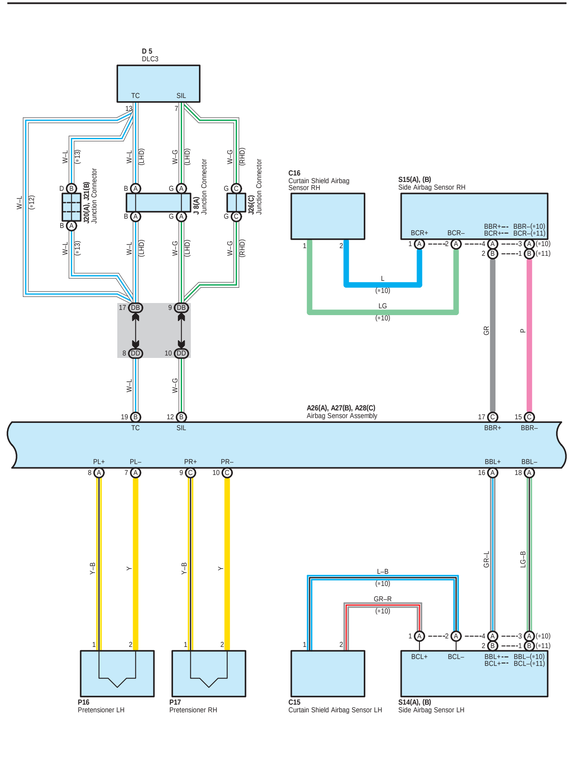
From Power Source System (See Page 120)

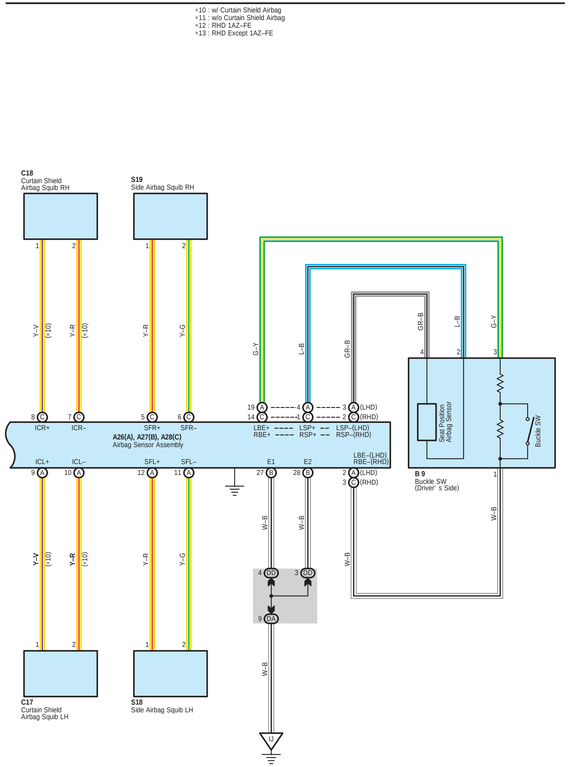


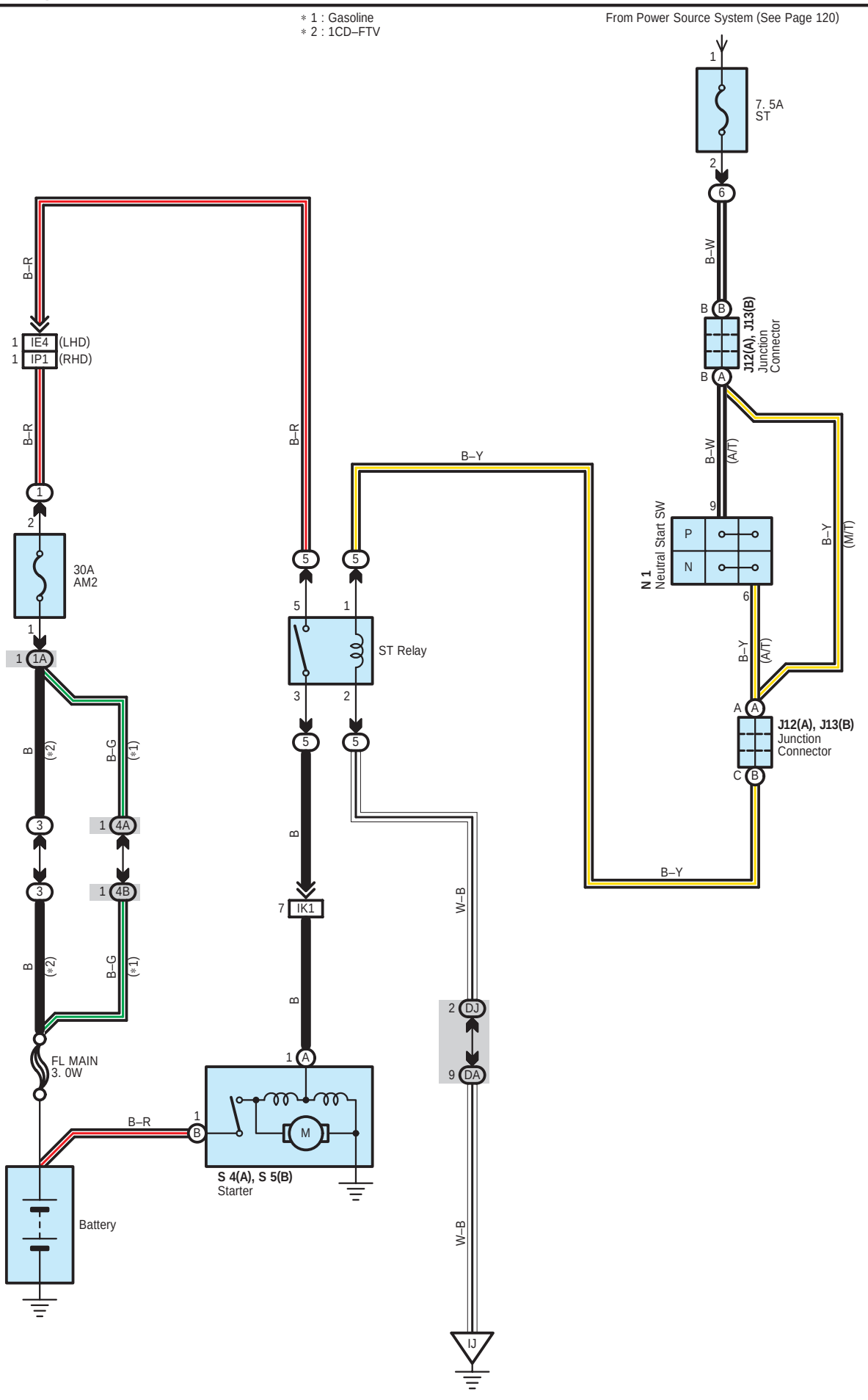

From Power Source System (See Page 120)
10A
GAUGE1
15A
STOP
7 DB
22 DA
R–W
R–W (LHD)
R–W (RHD)
11 IE3
2 IR1
R–W (LHD)
R–W (RHD)
2
7 CA
4 CF
S13
Stop Light SW
1
G–W (LHD)
G–W (RHD)
6 IE3
1 IR1
G–W (LHD)
G–W (RHD)
2 DA
1 DB
G–W
R–W
1
7
IG
STP
E
SLS+
SLS–
8
W–B
Shift Lock
Solenoid
S 9
Shift Lock Control ECU
A
J17
Junction
Connector
A
W–B (LHD)
W–B (RHD)
A
J15
Junction Connector
IP
IK


From Power Source System (See Page 120)
* 1 : Gasoline
* 2 : LHD Gasoline
* 3 : LHD 1CD–FTV
* 4 : Except LHD 1CD–FTV
* 5 : w/ Knee Airbag
* 6 : 1AZ–FE, 1ZZ–FE, 3ZZ–FE
* 7 : 1AZ–FSE
* 8 : Except Automatic A/C
* 9 : Automatic A/C
10A GAUGE1
7.5A DOME
J2(A), J11(B), J24(C) Junction Connector
BEAN I/F
SRS
C10(A), C11(B) Combination Meter
J17 Junction Connector
J16 Junction Connector
J15 Junction Connector
I14 Ignition Relay
MPX2
MPX1
BKL
A13(A), A15(B) LF Control Assembly
MPX–
MPX+
E9(A), E10(B) Engine and CVT ECU (A/T) Engine and ECT ECU (M/T)
FIPS
(LHD)
(RHD)
(1CD–FTV)

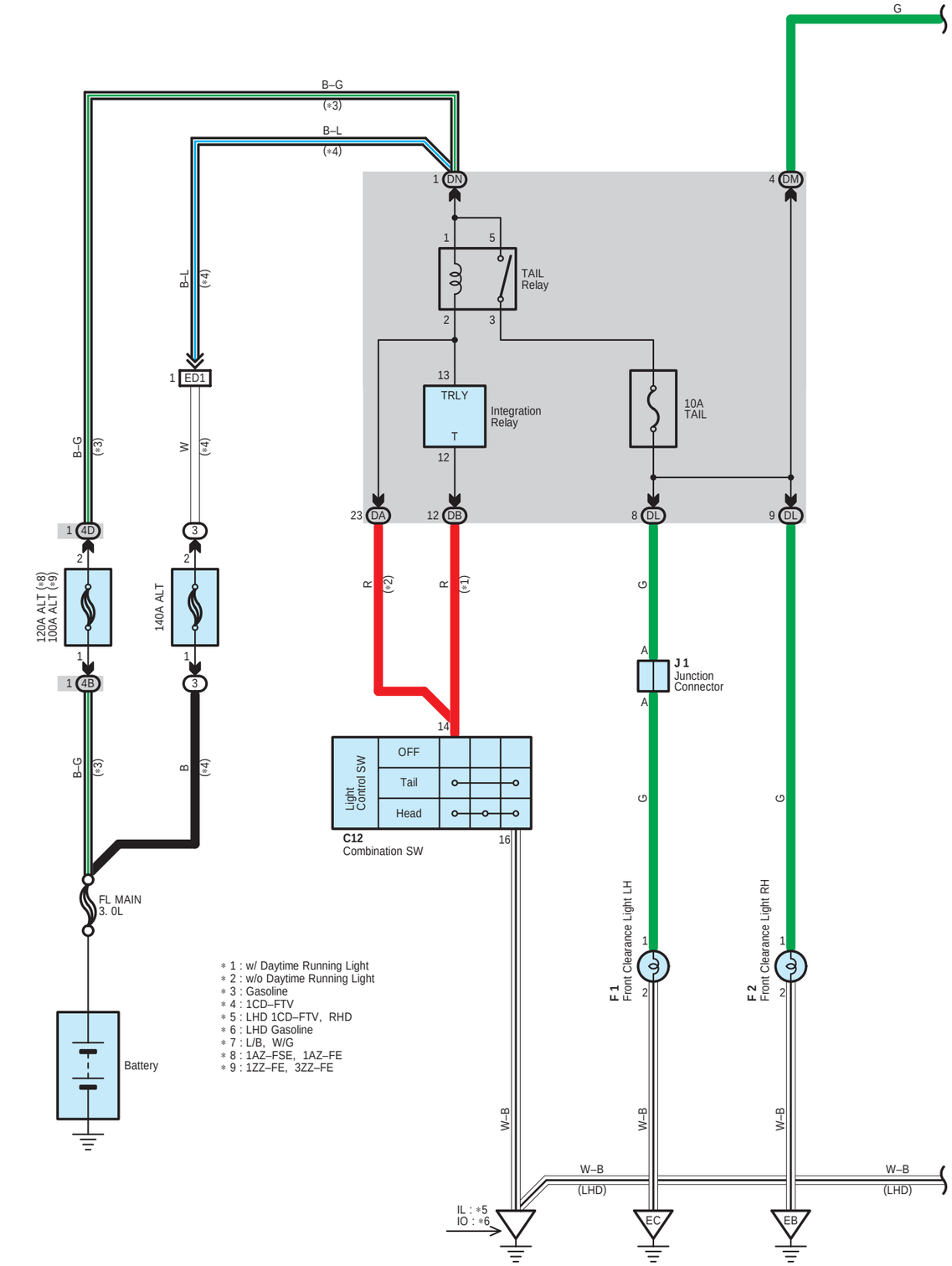

From Power Source System (See Page 120)
10A 10IGN
J 8(A), J24(C) Junction Connector
K 3 Knee Airbag Squib
A26(A), A27(B), A28(C) Airbag Sensor Assembly
GSW
GSW1
DBEW
LA
IG2
A30 Airbag Squib (Steering Wheel Pad)
A29 Airbag Squib (Front Passenger Airbag Assembly)
A9 Airbag Sensor Front LH
A10 Airbag Sensor Front RH

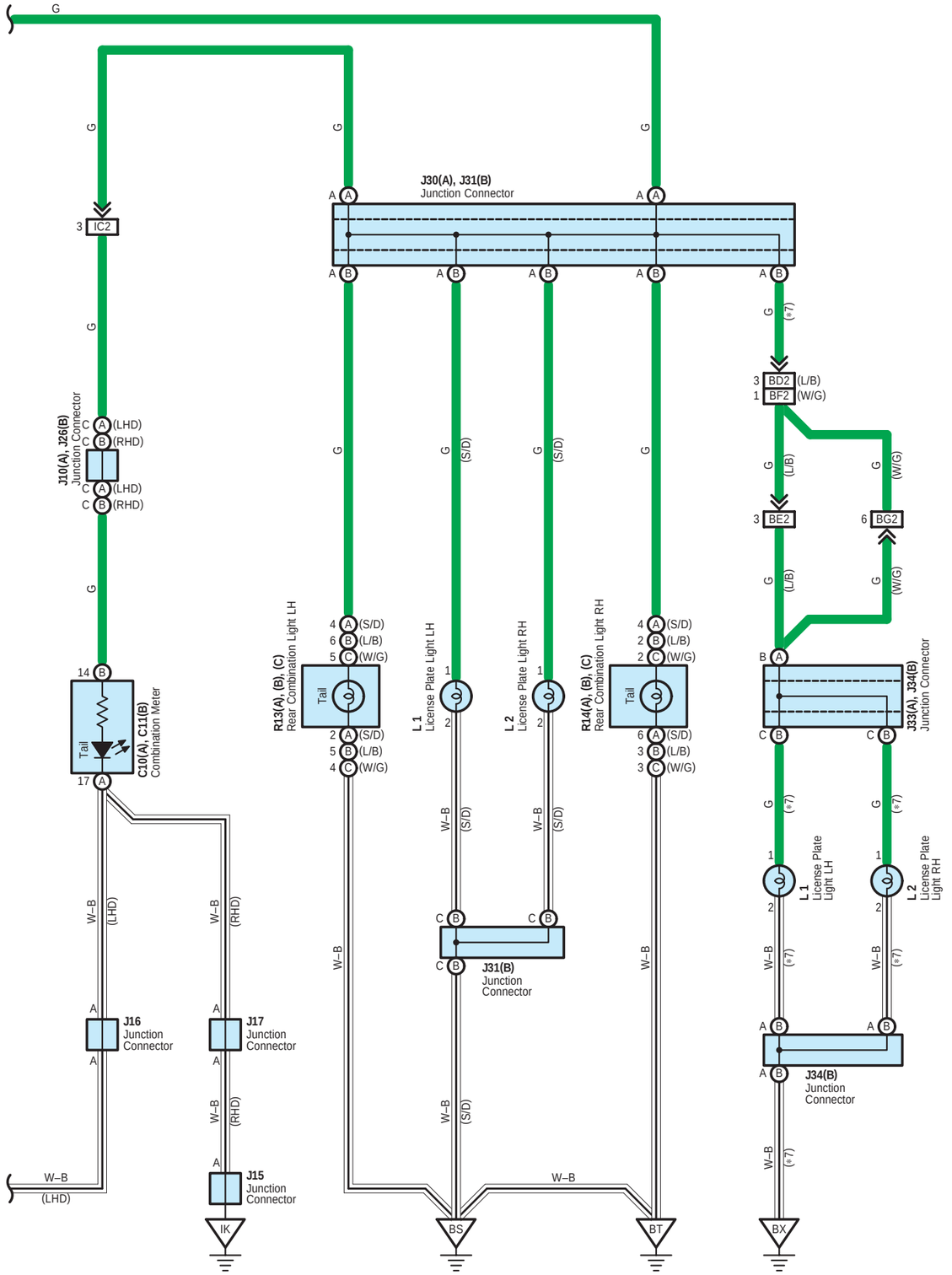

D 5 DLC3
J 8(A), J24(C) Junction Connector
J24(C) Junction Connector
C16 Curtain Shield Airbag Sensor RH
S15(A), (B) Side Airbag Sensor RH
A26(A), A27(B), A28(C) Airbag Sensor Assembly
P16 Pretensioner LH
P17 Pretensioner RH
C15 Curtain Shield Airbag Sensor LH
S14(A), (B) Side Airbag Sensor LH


+10 : w/ Curtain Shield Airbag
+11 : w/o Curtain Shield Airbag
+12 : RHD 1AZ–FE
+13 : RHD Except 1AZ–FE
C18 Curtain Shield Airbag Squib RH
S19 Side Airbag Squib RH
A26(A), A27(B), A28(C) Airbag Sensor Assembly
B 9 Buckle SW (Driver' s Side)
Seat Position Airbag Sensor
Buckle SW
C17 Curtain Shield Airbag Squib LH
S18 Side Airbag Squib LH

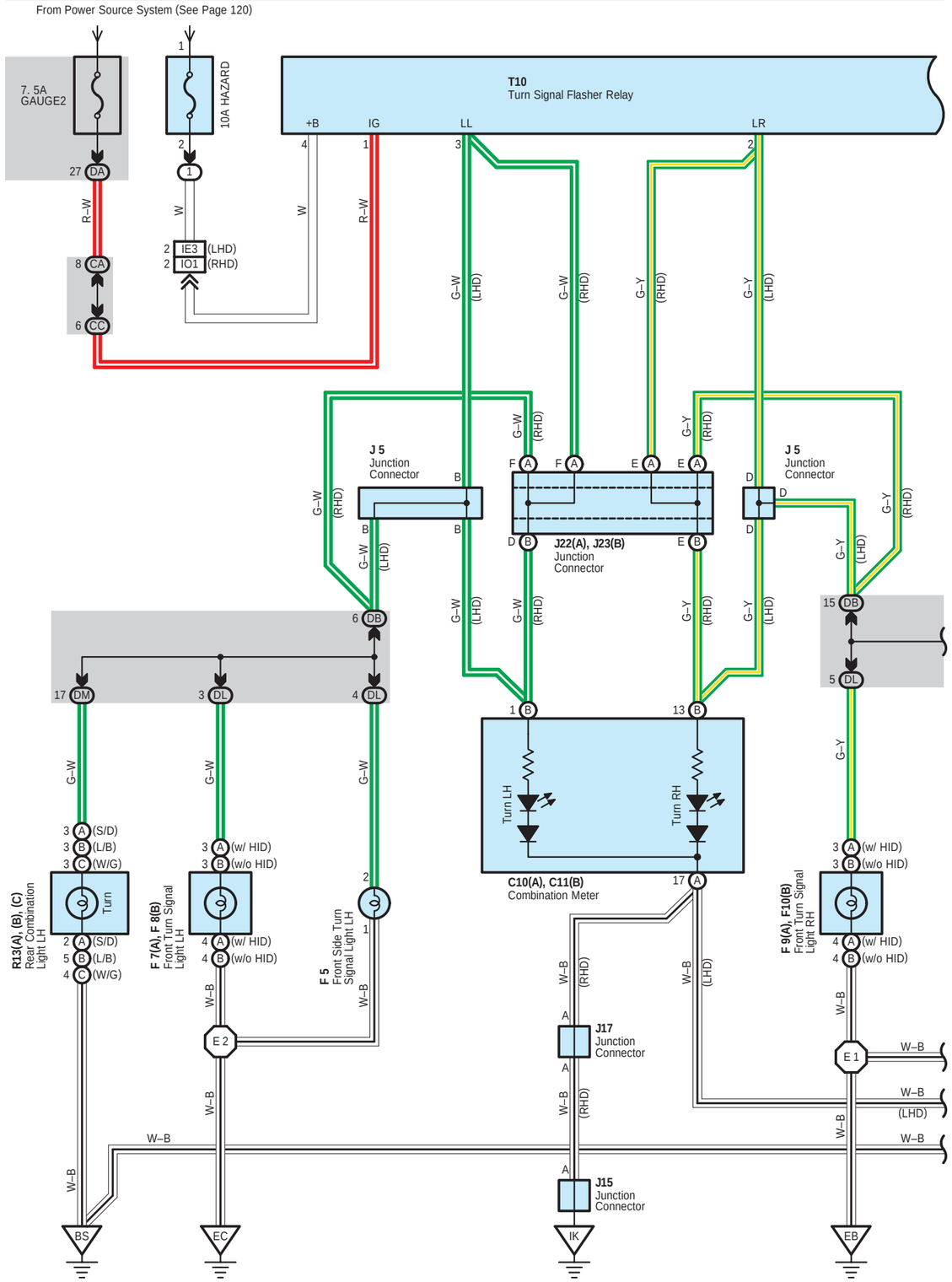

* 1 : Gasoline
* 2 : 1CD–FTV
From Power Source System (See Page 120)
7. 5A
ST
B–W
J12(A), J13(B)
Junction
Connector
B–W
(A/T)
N 1
Neutral Start SW
P
N
B–Y
(M/T)
B–Y
(A/T)
J12(A), J13(B)
Junction
Connector
B–Y
B–R
IE4 (LHD)
IP1 (RHD)
30A
AM2
1A
4A
4B
B
B–G
(*1)
(*2)
FL MAIN
3. 0W
ST Relay
IK1
W–B
2 DJ
9 DA
IJ
B–R
Battery
S 4(A), S 5(B)
Starter
M

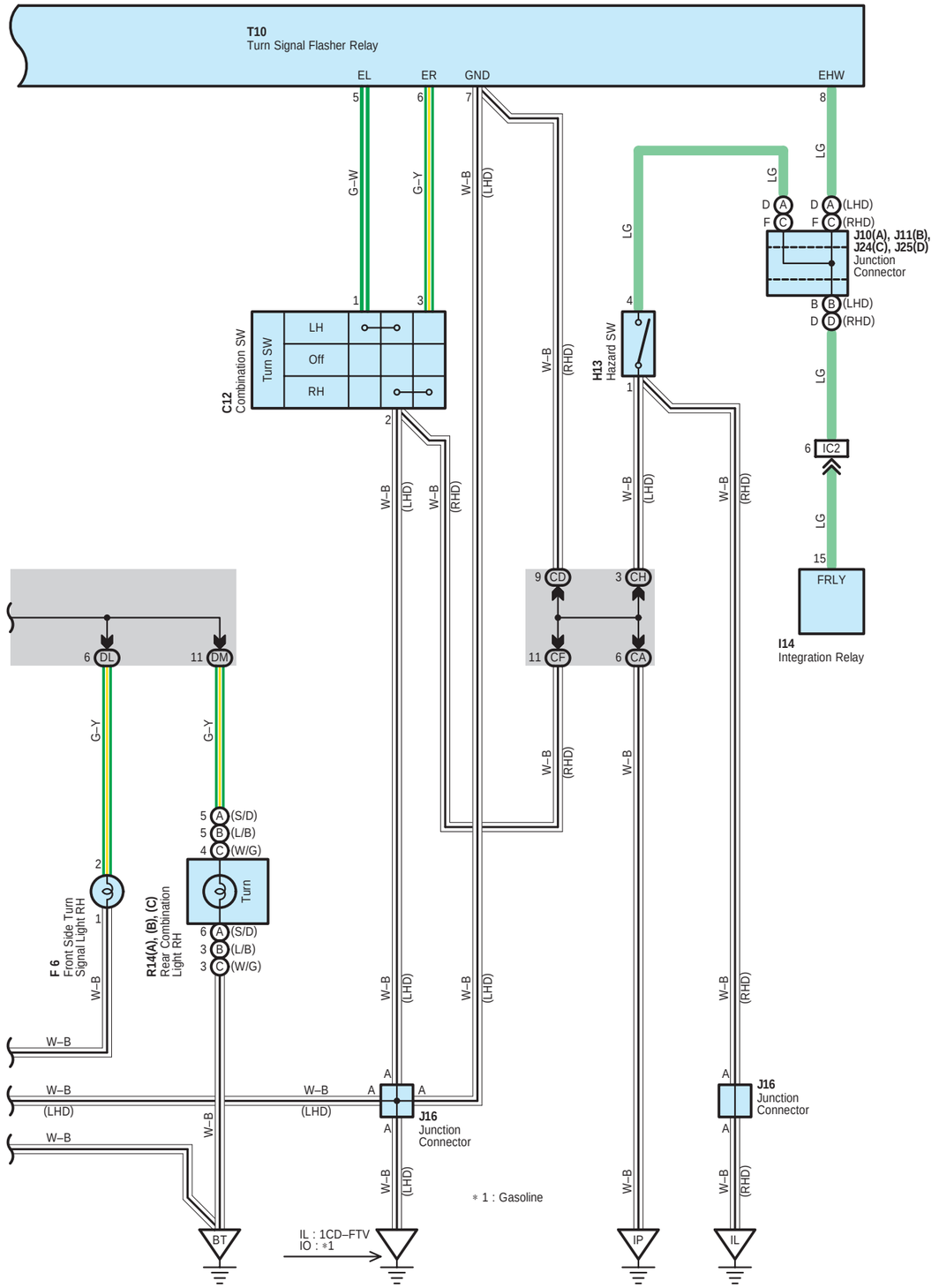
Taillight

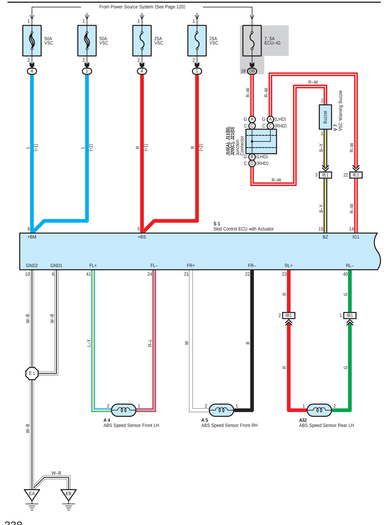

G
B–G (*3)
B–L (*4)
1 DN
4 DM
1 5
TAIL Relay
2 3
13
TRLY
Integration Relay
T
12
10A TAIL
23 DA
12 DB
8 DL
9 DL
R (*2)
R (*1)
G
A
J 1 Junction Connector
A
14
Light Control SW
OFF
Tail
Head
C12 Combination SW
16
1 ED1
W (*4)
B–G (*3)
1 4D
2
120A ALT (*8)
100A ALT (*9)
1
1 4B
B–G (*3)
FL MAIN 3. 0L
Battery
3
2
140A ALT
1
3
B (*4)
W–B
F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
1
2
W–B (LHD)
IL : *5
IO : *6
EC
EB
* 1 : w/ Daytime Running Light
* 2 : w/o Daytime Running Light
* 3 : Gasoline
* 4 : 1CD–FTV
* 5 : LHD 1CD–FTV, RHD
* 6 : LHD Gasoline
* 7 : L/B, W/G
* 8 : 1AZ–FSE, 1AZ–FE
* 9 : 1ZZ–FE, 3ZZ–FE


G
3 IC2
J10(A), J26(B) Junction Connector
C A (LHD)
C B (RHD)
C A (LHD)
C B (RHD)
14 B
Tail
17 A
C10(A), C11(B) Combination Meter
W–B (LHD)
W–B (RHD)
A
J16 Junction Connector
J17 Junction Connector
J15 Junction Connector
W–B (LHD)
J30(A), J31(B) Junction Connector
A A
A B
R13(A), (B), (C) Rear Combination Light LH
4 A (S/D)
6 B (L/B)
5 C (W/G)
Tail
2 A (S/D)
5 B (L/B)
4 C (W/G)
L 1 License Plate Light LH
L 2 License Plate Light RH
W–B (S/D)
J31(B) Junction Connector
R14(A), (B), (C) Rear Combination Light RH
4 A (S/D)
2 B (L/B)
2 C (W/G)
6 A (S/D)
3 B (L/B)
3 C (W/G)
BS
BT
(*7)
3 BD2 (L/B)
1 BF2 (W/G)
3 BE2
6 BG2
J33(A), J34(B) Junction Connector
J34(B) Junction Connector
BX

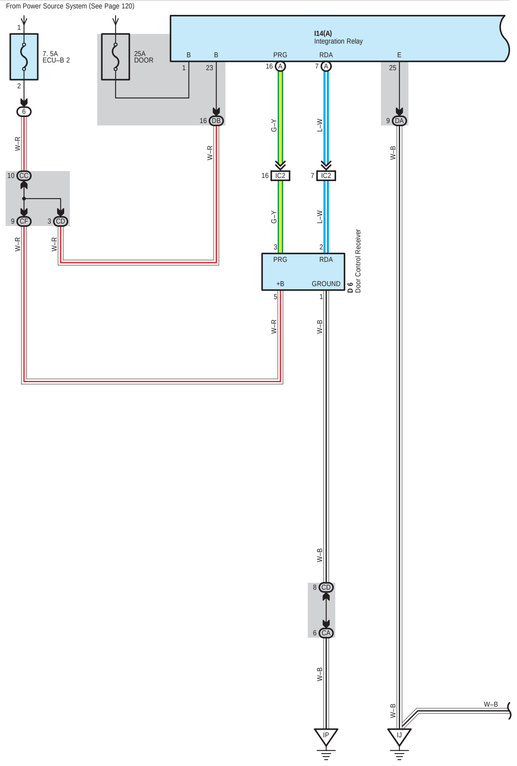
Turn Signal and Hazard Warning Light

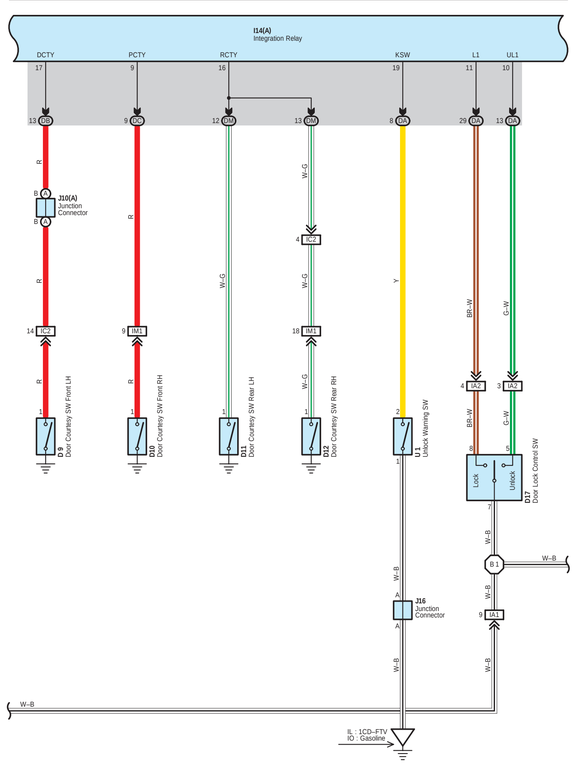




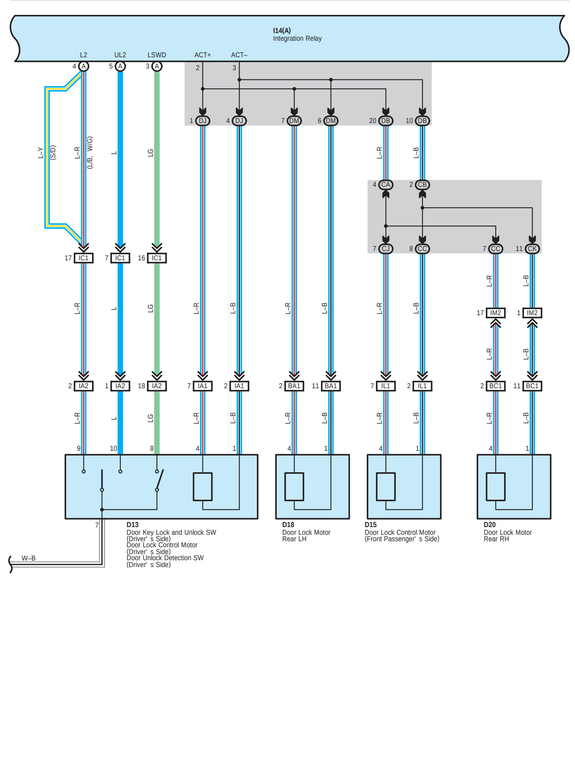

From Power Source System (See Page 120)
10A
TAIL
10A
TAIL
10A
TAIL
10A
TAIL
7.5A
ECU-IG
R-W
R-W
R-W
R-W
R-W
J1 (HV)
J2 (HV)
J1 (HV)
J2 (HV)
J (HV)
J (HV)
J

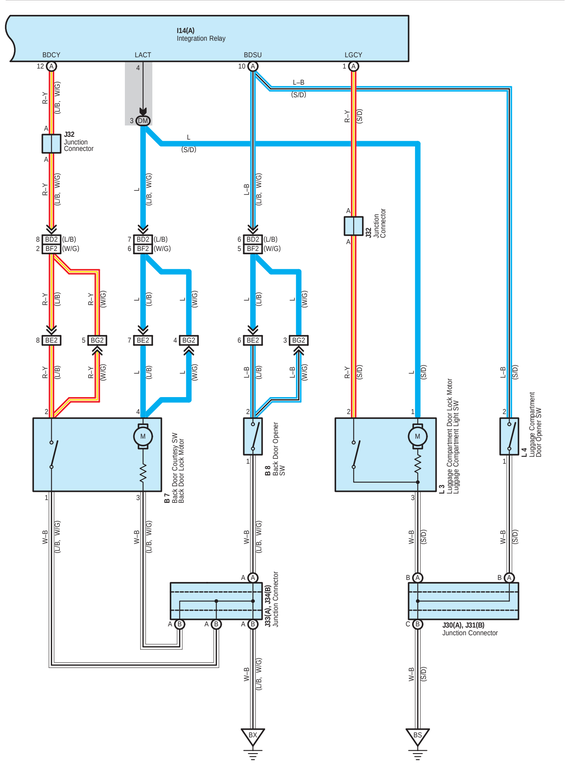
Wireless Door Lock Control (LHD)



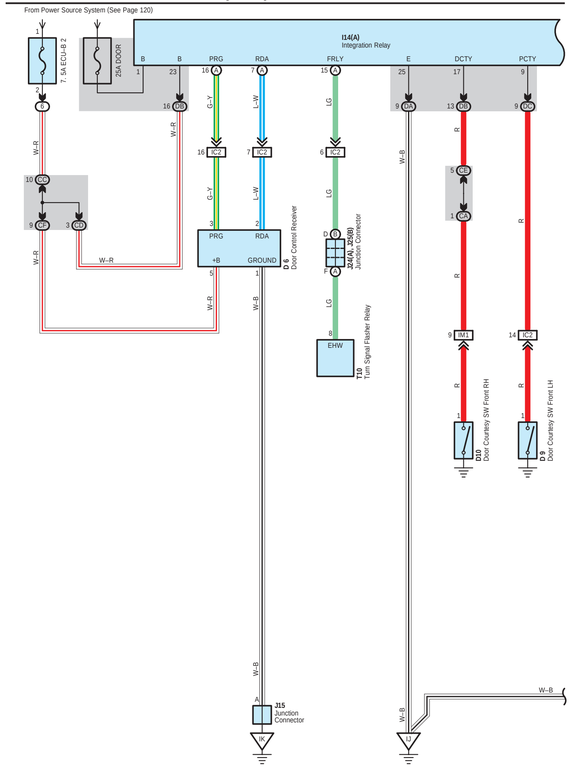


Wireless Door Lock Control (LHD)

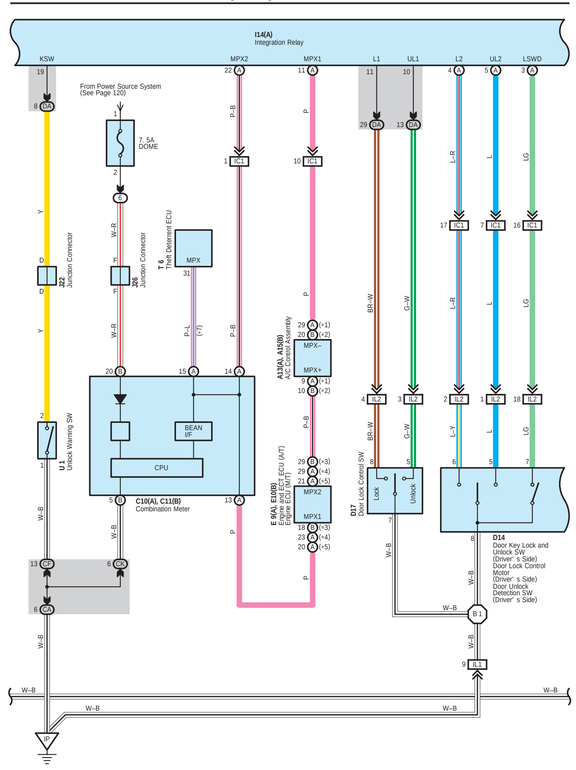


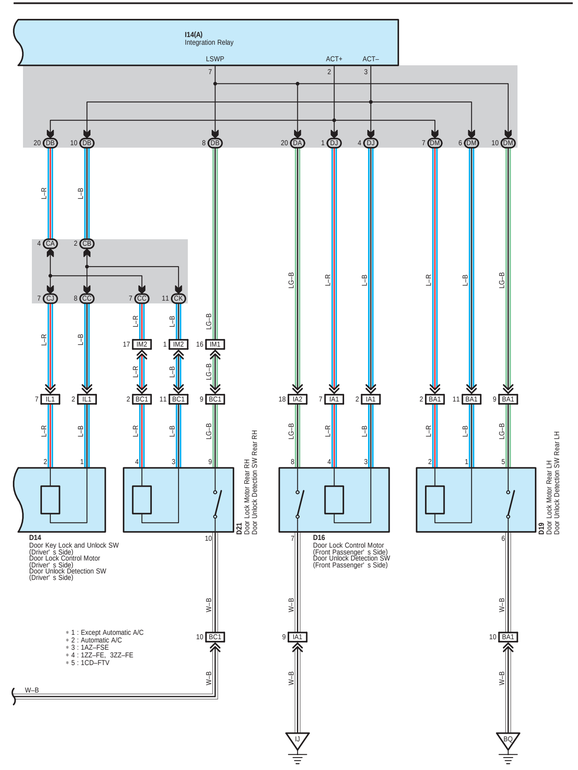


Wireless Door Lock Control (RHD)



Wireless Door Lock Control (RHD)





Service Hints

F20 Front Wiper Deicer SW

2, 6–Ground : Approx. 12 volts with the ignition SW at ON position
3–Ground : Always continuity

: Parts Location

Code	See Page	Code	See Page	Code	See Page
F12	38 (*3)	F12	44 (*6)	J2	41 (*4)
	40 (*4)	F20	47 (LHD)		43 (*5)
	42 (*5)	J2	39 (*3)		45 (*6)

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
5	28 (LHD)	Driver Side R/B (Left Side of the Instrument Panel)
6	29	Fuse Block (Lower Finish Panel)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CF		
CH	35	
CJ		
DB	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IE3	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)

: Ground Points

Code	See Page	Ground Points Location
ED	78 (*3)	Left Side of the Suspension Tower
	80 (*4)	
	82 (*5)	
	84 (*6)	
IP	86 (LHD)	Right Kick Panel

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

System Outline

∗ ABS system

This system controls the respective brake fluid pressures acting on the disc brake cylinders of the right front wheel, left front wheel and rear wheels when the brakes are applied in a panic stop so that the wheels do not lock. This results in improved directional stability and steerability during panic braking.

∗ Front and rear braking force distribution system

Using the hydraulic controlling device, this system distributes the braking force to the front and rear wheel in appropriately according to the running condition of the vehicle.

1. Input Signals

(1) Speed sensor signal

The speed of the wheels is detected and input to TERMINALS FL+, FR+, RL+ and RR+ of the skid control ECU with actuator.

(2) Stop light SW signal

A signal is input to TERMINAL STP of the skid control ECU with actuator when the brake pedal is depressed.

2. System Operation

During sudden braking the skid control ECU with actuator has signals input from each sensor, which controls the current to the solenoid inside the actuator and lets the hydraulic pressure acting on each wheel cylinder escape to the reservoir. The pump inside the actuator is also operating at this time and it returns the brake fluid from the reservoir to the master cylinder, thus preventing locking of the vehicle wheels.

If the skid control ECU with actuator judges that the hydraulic pressure acting on the wheel cylinder is insufficient, the current on the solenoid is controlled and the hydraulic pressure is increased. Holding of the hydraulic pressure is also controlled by the skid control ECU with actuator, by the same method as above. Pressure reduction, holding and increase are repeated to maintain vehicle stability and to improve steerability during sudden braking.

Service Hints

A4, A5 ABS Speed Sensor Front LH, RH

2–1 : 1.4 –1.8 kΩ (20˚C, 68˚F)

A32, A33 ABS Speed Sensor Rear LH, RH

1–2 : 1.0 –1.4 kΩ (20˚C, 68˚F)

S2 Skid Control ECU with Actuator

2, 3–Ground : Always approx. 12 volts
18–Ground : Approx. 12 volts with the ignition SW at ON position
20–Ground : Approx. 12 volts with the brake pedal depressed
1, 4–Ground : Always continuity

: Parts Location

Code	See Page	Code	See Page	Code	See Page
A4	40 (*4)	A33	74 (RHD W/G)	J17	68 (RHD)
	42 (*5)	B3	40 (*4)	J18 A	48 (LHD)
	44 (*6)		42 (*5)	J20 C	68 (RHD)
	60 (*8)		44 (*6)	J21 D	68 (RHD)
	62 (*9)		60 (*8)	J26 C	68 (RHD)
	64 (*10)		62 (*9)	J29 B	68 (RHD)
A5	40 (*4)		64 (*10)	N1	41 (*4)
	42 (*5)	C10 A	46 (LHD)		43 (*5)
	44 (*6)		66 (RHD)		61 (*8)
	60 (*8)	C11 B	46 (LHD)		63 (*9)
	62 (*9)		66 (RHD)	P4	49 (LHD)
	64 (*10)	D2	47 (LHD)		69 (RHD)
A32	50 (LHD S/D)		67 (RHD)	S2	41 (*4)
	52 (LHD L/B)	D5	47 (LHD)		43 (*5)
	54 (LHD W/G)		67 (RHD)		45 (*6)
	70 (RHD S/D)	J2	45 (*6)		61 (*8)
	72 (RHD L/B)		65 (*10)		63 (*9)
	74 (RHD W/G)	J8 A	48 (LHD)		65 (*10)
A33	50 (LHD S/D)	J9 B	48 (LHD)	S13	49 (LHD)
	52 (LHD L/B)	J10 A	48 (LHD)		69 (RHD)
	54 (LHD W/G)	J11 B	48 (LHD)	V2	45 (*6)
	70 (RHD S/D)	J15	68 (RHD)		65 (*10)
	72 (RHD L/B)	J16	48 (LHD)		

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	24 (*1)	Engine Room R/B No.1 (Engine Compartment Left)
	25 (*2)	
4	27	Engine Room R/B No.4 (Left Side of the Suspension Tower)
6	29	Fuse Block (Lower Finish Panel)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CD		
CK	35	
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DC		
DL	31	Engine Room Main Wire and Driver Side J/B (Left Side of the Instrument Panel)

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IB1	86 (LHD)	Engine Room Main Wire and Floor Wire (Near the Driver Side J/B)
	106 (RHD)	
IE1	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)
IE2	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)
IE3	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
IK1	88 (LHD)	Engine Wire and Instrument Panel Wire (Behind the Glove Box)
	108 (RHD)	
IK2	88 (LHD)	
	108 (RHD)	
IM1	88 (LHD)	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)
	108 (RHD)	
IR1	108 (RHD)	Instrument Panel Wire and Cowl Wire (Right Side of the Instrument Panel)

: Ground Points

Code	See Page	Ground Points Location
EA	80 (*4)	Engine Compartment Right
	82 (*5)	
	84 (*6)	
	100 (*8)	
	102 (*9)	
	104 (*10)	
EB	80 (*4)	
	82 (*5)	
	84 (*6)	
	100 (*8)	
	102 (*9)	
	104 (*10)	
EC	80 (*4)	Engine Compartment Left
	82 (*5)	
	84 (*6)	
	100 (*8)	
	102 (*9)	
	104 (*10)	
IK	106 (RHD)	Behind the Combination Meter
IL	86 (LHD)	
IO	86 (LHD)	Instrument Panel Reinforcement RH
IP	86 (LHD)	Right Kick Panel
	106 (RHD)	

: Splice Points

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E1	80 (*4)	Engine Room Main Wire	E1	100 (*8)	Engine Room Main Wire
	82 (*5)			102 (*9)	
	84 (*6)			104 (*10)	

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

System Outline

1. Heater Blower Operation

(Manual operation)
When the blower speed is set to a certain level using the blower control SW, the A/C control assembly sends the signals to the blower control to control the blower motor speed.
(Auto operation)
When the auto SW is turned on, the A/C control assembly sends the signals from various sensors and temperature SW to the blower control to automatically control the blower motor speed.

2. Air inlet Control Servo Motor Control

When the FRESH/RECIRC select SW is set to RECIRC, the motor in the air inlet control servo motor starts rotating to move the damper toward the RECIRC side. The motor is continuously rotates until the damper reaches its stop position. When the FRESH/RECIRC select SW is set to FRESH, the motor in the air inlet control servo motor starts rotating to move the damper toward the FRESH side. The motor is continuously rotated until the damper reaches its stop position. However, when the mode SW is at DEF position, forcibly the air intake is set to FRESH mode.

3. Air Vent Mode Control Servo Motor Control

(Manual operation)
If the mode select SW is operated, the A/C control assembly is controlled to operate the air vent mode control servo motor and the positions of outlets change among FACE, BI–LEVEL, FOOT, FOOT/DEF and DEF.
(Auto operation)
When the AUTO SW is turned on, the A/C control assembly selects the best position of the outlet according to the signals from various sensors and operates the air vent mode control servo motor to change the outlet position among FACE, BI–LEVEL, FOOT and FOOT/DEF.

4. Air Mix Control Servo Motor Control

According to the signals from various sensors, the A/C control assembly operates the air mix control servo motor and sets the blowoff temperature to the most appropriate degree in order to adjust the temperature to the desired degree set by the temperature control SW.
(When the DUAL switch is turned ON)
The system can provide independent air temperature control on the right and left sides. The temperature control switch for each of the driver's and passenger's sides independently controls air at the set temperature.
(When the DUAL switch is turned OFF)
The system controls air at the temperature set by the temperature control switch for the driver's side.

5. Air Conditioning Operation

The A/C control assembly receives various signals, I.E., the engine RPM from the engine and ECT ECU (A/T) or engine ECU (M/T), out side air temperature signal from the A/C ambient temp. sensor and coolant temperature from the engine and ECT ECU (A/T) or engine ECU (M/T), etc.
When the engine is started and the A/C SW (A/C control assembly) is on, a signal is input to the A/C control assembly.

6. Hot Gas Operation (1CD–FTV)

This function uses air conditioner parts to radiate heat through an evaporator during air compression by the compressor.
Hot gas operation takes place when any of the following conditions is met:

* The power heater SW is turned on.
* The FRESH/RECIRC select SW is set to FRESH.
* The blower SW is turned on.
* The outside temperature is 0 °C or below.
* The water temperature is 70 °C or below
* MAX HOT

Service Hints

A16 (B) A/C Control Assembly

+B–Ground : Always approx. 12 volts
IG–Ground : Approx. 12 volts with ignition SW at ON position
GND–Ground : Always continuity

Power Heater (Hot Gas Type Automatic A/C)

: Parts Location

Code	See Page	Code	See Page	Code	See Page
A1	38 (*3)	A23	46 (LHD)	E10 B	67 (RHD)
	40 (*4)		66 (RHD)	I14	47 (LHD)
	42 (*5)	A24	46 (LHD)		67 (RHD)
	44 (*6)		66 (RHD)	J10 A	48 (LHD)
	58 (*7)	A25	46 (LHD)	J11 B	48 (LHD)
	62 (*9)		66 (RHD)	J15	48 (LHD)
	64 (*10)	B4	46 (LHD)		68 (RHD)
A3	38 (*3)		66 (RHD)	J16	48 (LHD)
	40 (*4)	B5	46 (LHD)		68 (RHD)
	42 (*5)		66 (RHD)	J17	48 (LHD)
	44 (*6)	C3	38 (*3)		68 (RHD)
	58 (*7)		40 (*4)	J26 C	68 (RHD)
	62 (*9)		42 (*5)	J27 D	68 (RHD)
	64 (*10)		44 (*6)	P4	49 (LHD)
A15 A	46 (LHD)		58 (*7)		69 (RHD)
	66 (RHD)		62 (*9)	P5	49 (LHD)
A16 B	46 (LHD)		64 (*10)		69 (RHD)
	66 (RHD)	C4	44 (*6)	S1 A	39 (*3)
A17	46 (LHD)		64 (*10)		45 (*6)
	66 (RHD)	C10 A	46 (LHD)		59 (*7)
A18	46 (LHD)		66 (RHD)		65 (*10)
	66 (RHD)	C11 B	46 (LHD)	S2 B	41 (*4)
A19	46 (LHD)		66 (RHD)		43 (*5)
	66 (RHD)	E9 A	47 (LHD)		45 (*6)
A21	46 (LHD)		67 (RHD)		63 (*9)
	66 (RHD)	E10 B	47 (LHD)		65 (*10)

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	24 (*1)	Engine Room R/B No.1 (Engine Compartment Left)
	25 (*2)	
6	29	Fuse Block (Lower Finish Panel)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CB		
CC		
CD		
CE		
CF		
CG	35	
CJ		
CK		
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DC		
DF		
DP	31	Engine Room Main Wire and Driver Side J/B (Left Side of the Instrument Panel)

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC1	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	106 (RHD)	
IE1	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)
IE2	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)
IF1	88 (LHD)	Instrument Panel Wire and A/C Sub Wire No.1 (Left Side of the Combination Meter)
	106 (RHD)	Instrument Panel Wire and A/C Sub Wire No.1 (Right Side of the Combination Meter)
IJ2	88 (LHD)	Instrument Panel Wire and A/C Sub Wire No.2 (Left Side of the A/C Unit)
	108 (RHD)	Instrument Panel Wire and A/C Sub Wire No.2 (Right Side of the A/C Unit)
IK2	88 (LHD)	Engine Wire and Instrument Panel Wire (Behind the Glove Box)
	108 (RHD)	
IQ1	108 (RHD)	Instrument Panel Wire and A/C Sub Wire No.3 (Behind the Glove Box)

: Ground Points

Code	See Page	Ground Points Location
IJ	86 (LHD)	Left Kick Panel
	106 (RHD)	
IK	86 (LHD)	Behind the Combination Meter
	106 (RHD)	
IL	86 (LHD)	
	106 (RHD)	
IP	86 (LHD)	Right Kick Panel
	106 (RHD)	

: Splice Points

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I6	88 (LHD)	Instrument Panel Wire	I6	108 (RHD)	Instrument Panel Wire

System Outline

1. Heater Blower Motor Operation

Current is applied at all times through the HTR (40A) fuse to TERMINAL 5 of the HTR relay.
When the ignition SW is turned on, current flows through the HTR (10A) fuse to TERMINAL 1 of the HTR relay to TERMINAL 2 to TERMINAL (B) 2 or (B) 3 of the A/C control assembly.

* Low speed operation
  When the blower SW is moved to LO position, the current to TERMINAL (B) 2 of the A/C control assembly flows to TERMINAL (B) 1 to GROUND, causing the HTR relay is turned on. This causes the current to flow from the HTR (40A) fuse to TERMINAL 5 of the HTR relay to TERMINAL 3 to TERMINAL 1 of the blower motor to TERMINAL 2 to TERMINAL 1 of the blower resistor to TERMINAL 4 to GROUND, causing the blower motor to rotate at low speed.

* Medium speed operation (Operation at M1, M2)
  When the blower SW is moved to M1 position, the current to TERMINAL (B) 2 of the A/C control assembly flows to TERMINAL (B) 1 to GROUND, turns the HTR relay on. This causes the current to flow from the HTR (40A) fuse to TERMINAL 5 of the HTR relay to TERMINAL 3 to TERMINAL 1 of the blower motor to TERMINAL 2 to TERMINAL 1 of the blower resistor to TERMINAL 2 to TERMINAL (B) 6 of the A/C control assembly to TERMINAL (B) 1 to GROUND. At this time, the blower resistance of the blower resistor is less than at low speed, so the blower motor rotates at medium low speed.
  When the blower SW is moved to M2 position, the current to TERMINAL (B) 3 of the A/C control assembly flows to TERMINAL (B) 1 to GROUND, turns the HTR relay on. This causes the current to flow from the HTR (40A) fuse to TERMINAL 5 of the HTR relay to TERMINAL 3 to TERMINAL 1 of the blower motor to TERMINAL 2 to TERMINAL 1 of the blower resistor to TERMINAL 3 to TERMINAL (B) 5 of the A/C control assembly to TERMINAL (B) 1 to GROUND. At this time, resistance of the blower resistor is less than at M1 position, so the blower motor rotates at medium high speed.

* High speed operation
  When the blower SW is moved to HI position, the current flows to TERMINAL (B) 3 of the A/C control assembly to TERMINAL (B) 1 to GROUND and turns the HTR relay on.
  This causes the current to flow from the HTR (40A) fuse to TERMINAL 5 of the HTR relay to TERMINAL 3 to TERMINAL 1 of the blower motor to TERMINAL 2 to TERMINAL (B) 4 of the A/C control assembly to TERMINAL (B) 1 to GROUND, causing the blower motor to rotate at high speed.

2. Air Inlet Control Servo Motor Control

When the FRESH/RECIRC select SW is set to RECIRC, the motor in the air inlet control servo motor starts rotating to move the damper toward the RECIRC side. The motor is continuously rotates until the damper reaches its stop position. When the FRESH/RECIRC select SW is set to FRESH, the motor in the air inlet control servo motor starts rotating to move the damper toward the FRESH side. The motor is continuously rotated until the damper reaches its stop position. However, when the mode SW is at DEF position, forcibly the air intake is set to FRESH mode.

3. Air Vent Mode Control Servo Motor Control

If the mode select SW is operated, the A/C control assembly is controlled to operate the air vent mode control servo motor and the positions of outlets change among FACE, BI–LEVEL, FOOT, FOOT/DEF and DEF.

4. Air Mix Control Servo Motor Control

According to the signals from various sensors, the A/C control assembly operates the air mix control servo motor and sets the blowoff temperature to the most appropriate degree in order to adjust the temperature to the desired degree set by the temperature control SW.

5. Air Conditioning Operation

If the A/C control SW is turned on when the blower SW is set to on, A/C operation starts.

6. Hot Gas Operation (1CD–FTV)

This function uses air conditioner parts to radiate heat through an evaporator during air compression by the compressor.
Hot gas operation takes place when any of the following conditions is met:

* The power heater SW is turned on.
* The FRESH/RECIRC select SW is set to FRESH.
* The blower SW is turned on.
* The outside temperature is 0 ˚C or below.
* The water temperature is 70 ˚C or below
* MAX HOT

Power Heater (Hot Gas Type Manual A/C)

Service Hints

A13 (A), A14 (B) A/C Control Assembly

(A) 40–Ground : Always continuity
(A) 1, (A) 35, (B) 2, (B) 3–Ground : Approx. 12 volts with the ignition SW at ON position
(A) 2–Ground : Always approx. 12 volts

○ : Parts Location

Code	See Page	Code	See Page	Code	See Page
A1	40 (*4)	A25	66 (RHD)	J15	48 (LHD)
	42 (*5)	B4	46 (LHD)		68 (RHD)
	44 (*6)		66 (RHD)	J16	48 (LHD)
	60 (*8)	B6	46 (LHD)		68 (RHD)
	62 (*9)		66 (RHD)	J17	48 (LHD)
	64 (*10)	C3	40 (*4)		68 (RHD)
A3	40 (*4)		42 (*5)	J26 C	68 (RHD)
	42 (*5)		44 (*6)	J27 D	68 (RHD)
	44 (*6)		60 (*8)	J28	68 (RHD)
	60 (*8)		62 (*9)	P4	49 (LHD)
	62 (*9)		64 (*10)		69 (RHD)
	64 (*10)	C4	44 (*6)	P5	49 (LHD)
A13 A	46 (LHD)		64 (*10)		69 (RHD)
	66 (RHD)	C10 A	46 (LHD)	S1 A	45 (*6)
A14 B	46 (LHD)		66 (RHD)		65 (*10)
	66 (RHD)	C11 B	46 (LHD)	S2 B	41 (*4)
A19	46 (LHD)		66 (RHD)		43 (*5)
	66 (RHD)	E9	47 (LHD)		45 (*6)
A22	46 (LHD)		67 (RHD)		61 (*8)
	66 (RHD)	I14	47 (LHD)		63 (*9)
A23	46 (LHD)		67 (RHD)		65 (*10)
	66 (RHD)	J10 A	48 (LHD)		
A25	46 (LHD)	J11 B	48 (LHD)		

⬭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	24 (*1)	Engine Room R/B No.1 (Engine Compartment Left)
	25 (*2)	
6	29	Fuse Block (Lower Finish Panel)

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CB		
CC		
CD		
CE		
CF		
CG	35	
CJ		
CK		
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DC		
DF		
DP	31	Engine Room Main Wire and Driver Side J/B (Left Side of the Instrument Panel)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC1	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	106 (RHD)	
IE1	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)
IE2	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)
IJ1	88 (LHD)	Instrument Panel Wire and A/C Sub Wire No.2 (Left Side of the A/C Unit)
	108 (RHD)	Instrument Panel Wire and A/C Sub Wire No.2 (Right Side of the A/C Unit)
IK2	88 (LHD)	Engine Wire and Instrument Panel Wire (Behind the Glove Box)
	108 (RHD)	

: Ground Points

Code	See Page	Ground Points Location
IJ	86 (LHD)	Left Kick Panel
	106 (RHD)	
IK	86 (LHD)	Behind the Combination Meter
	106 (RHD)	
IL	86 (LHD)	
	106 (RHD)	
IP	86 (LHD)	Right Kick Panel
	106 (RHD)	

: Splice Points

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I6	88 (LHD)	Instrument Panel Wire	I6	108 (RHD)	Instrument Panel Wire

Service Hints

I15 Inner Mirror

7–Ground : Approx. 12 volts with the ignition SW at ON position

6–Ground : Always continuity

: Parts Location

Code	See Page	Code	See Page	Code	See Page
I15	50 (LHD S/D)	I15	54 (LHD W/G)	I15	72 (RHD L/B)
	52 (LHD L/B)		70 (RHD S/D)		74 (RHD W/G)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DK	31	Roof Wire and Driver Side J/B (Left Side of the Instrument Panel)

: Ground Points

Code	See Page	Ground Points Location
IJ	86 (LHD)	Left Kick Panel
	106 (RHD)	

Service Hints

B1 (B) Back–Up Light SW (M/T)

(B) 2–(B) 1 : Closed with the shift lever in R position

N1 (A) Neutral Start SW (A/T)

(A) 3–(A) 2 : Closed with the shift lever in R position

○ : Parts Location

Code		See Page	Code		See Page	Code		See Page
B1	B	38 (*3)	J23	B	68 (RHD)	R13	A	51 (LHD S/D)
		40 (*4)	J32		51 (LHD S/D)			71 (RHD S/D)
		42 (*5)			71 (RHD S/D)		B	73 (RHD L/B)
		44 (*6)	N1	A	39 (*3)		C	75 (RHD W/G)
		58 (*7)			41 (*4)	R14	A	51 (LHD S/D)
		62 (*9)			43 (*5)			71 (RHD S/D)
		64 (*10)			59 (*7)		B	53 (LHD L/B)
J5		48 (LHD)			61 (*8)		C	55 (LHD W/G)
J22	A	68 (RHD)			63 (*9)			

⬭ : Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CD		
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)

▭ : Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC2	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	106 (RHD)	
IK1	88 (LHD)	Engine Wire and Instrument Panel Wire (Behind the Glove Box)
	108 (RHD)	

▽ : Ground Points

Code	See Page	Ground Points Location
BS	90 (LHD S/D)	Lower Back Panel Left
	92 (LHD L/B)	
	94 (LHD W/G)	
	110 (RHD S/D)	
	112 (RHD L/B)	
	114 (RHD W/G)	
BT	90 (LHD S/D)	Lower Back Panel Center
	92 (LHD L/B)	
	94 (LHD W/G)	Lower Back Panel Right
	110 (RHD S/D)	Lower Back Panel Center
	112 (RHD L/B)	
	114 (RHD W/G)	Lower Back Panel Right

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

System Outline

The cruise control system is a fixed speed driving control function that, when you want to drive your car on a highway at a fixed speed, automatically adjusts the opening of the throttle valve simply by manually operating the cruise control SW without stamping on the accelerator pedal.

1. Set Operation

When the cruise control main SW is turned on, the system starts preparations necessary for the cruiser control and turns on the CRUISE indicator light in the combination meter.

2. Set Speed Control

When the SET/COAST SW is operated with the cruise control main SW turned on during travelling, the constant vehicle speed is controlled.

3. Coast Control

When the SET/COAST SW is kept on during cruise control driving, this system reduces the requested cruise control opening to 0 to decelerate the car (However, the throttle valve is not fully closed by the ISC, etc.), and stores the car speed at the time the SW is turned off, and provides fixed speed control.

4. Accel Control

When the RESUME/ACCEL SW is kept on during cruise control driving, this system performs fixed acceleration control by running the electronic throttle motor in the opening direction of the throttle valve, and stores the car speed at the time the SW is turned off, and provides fixed speed control.

5. Resume Control

If the driving speed is still above the lower speed limit after cruise control by signals is canceled with the stop light SW on, the clutch SW off, the CANCEL SW of the cruise control SW on, and the VSC activated, fixed acceleration control is performed by setting the RESUME/ACCEL SW from off to on to reset the car speed to the speed stored at the time of cancellation.

6. Tap–Up Control Function

This function increases the stored car speed by approximately 1.5 km/h each time the RESUME/ACCEL SW is instantaneously (For approximately 0.5 seconds) turned on.
However, if the difference between the stored and actual car speeds is 5 km/h or more, the stored car speed cannot be changed by this operation.

7. Tap–Down Control Function

This function reduces the stored car speed by approximately 1.5 km/h each time the SET/COAST SW is instantaneously (For approximately 0.5 seconds) turned on.
However, if the difference between the stored and actual car speeds is 5 km/h or more, the car speed at the time the switch is turned off is stored for fixed speed control by tap–down operation.

8. Manual Cancel Mechanism

If any of the following signals is input during cruise control travelling, the cruise control is cancelled.
- The stop light SW is turned on.
- The clutch SW is turned off.
- The CANCEL SW is turned on.
- The cruise control main SW is turned off.
- The VSC is activated.

9. Auto Cancel Function

A) If either of the following problems occurs, the stored speed will be cleared, and control will be canceled.
In this case, the CRUISE indicator will remain flickering until the main SW is turned off, and control will stay disabled until the main SW is turned on.
- The stop light SW is disconnected or shorted.
- The vehicle speed signal is faulty.
- The electronically controlled throttle malfunctions.

B) If any of the following problems occurs, the stored speed will be cleared, and control will be canceled.
In this case, the CRUISE indicator will remain flickering until the main SW is turned off, and control will stay disabled until the ignition SW is turned off.
- The stop light SW input circuit is malfunctioning.
- The cancel circuit is malfunctioning.

C) If any of the following conditions occurs during cruise control operation, the set speed is erased and the cruise control is released.
- When the vehicle speed falls below the minimum speed limit (Approx. 40 km/h 25 mph).
- The driving speed is more than 16 km/h below the stored car speed.

Service Hints

E9 (A), E10 (B), E11 (C), E13 (E) Engine and ECT ECU (A/T) or Engine ECU (M/T)

(A) 9–Ground : Approx. 12 volts with the ignition SW at ON position
(A) 1, (A) 2, (A) 3, (B) 6–Ground : Always approx. 12 volts
(A) 15, (C) 1, (C) 4, (C) 7, (E) 6, (E) 7–Ground : Always continuity
(B) 19–Ground : Approx. 12 volts with the stop light SW at on
(B) 24–Ground : Continuity with the cruise control main SW at on
Approx. 1540 Ω with the CANCEL SW on in cruise control SW
Approx. 240 Ω with the RES/ACC SW on in cruise control SW
Approx. 630 Ω with the SET/COAST SW on in cruise control SW

C14 Combination SW

2–3 : Approx. 1540 Ω with the CANCEL SW on
Approx. 240 Ω with the RES/ACC SW on
Approx. 630 Ω with the SET/COAST SW on

○ : Parts Location

Code		See Page	Code		See Page	Code		See Page
A15		46 (LHD)	E12	D	47 (LHD)	J27	D	68 (RHD)
		66 (RHD)			67 (RHD)	J28	B	68 (RHD)
A20		46 (LHD)	E13	E	47 (LHD)	J30		51 (LHD S/D)
		66 (RHD)			67 (RHD)			53 (LHD L/B)
C9		46 (LHD)	I14		47 (LHD)			55 (LHD W/G)
		66 (RHD)			67 (RHD)			71 (RHD S/D)
C10	A	46 (LHD)	J8	A	48 (LHD)			73 (RHD L/B)
		66 (RHD)	J9	B	48 (LHD)			75 (RHD W/G)
C11	B	46 (LHD)	J10	A	48 (LHD)	N1		39 (*3)
		66 (RHD)	J11	B	48 (LHD)			59 (*7)
C14		46 (LHD)	J12	A	48 (LHD)	S1		39 (*3)
		66 (RHD)			68 (RHD)			59 (*7)
E9	A	47 (LHD)	J13	B	48 (LHD)	S13		49 (LHD)
		67 (RHD)			68 (RHD)			69 (RHD)
E10	B	47 (LHD)	J14	A	48 (LHD)	T1		39 (*3)
		67 (RHD)	J19		68 (RHD)			59 (*7)
E11	C	47 (LHD)	J20	C	68 (RHD)			
		67 (RHD)	J26	C	68 (RHD)			

▭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	24 (*1)	Engine Room R/B No.1 (Engine Compartment Left)
4	27	Engine Room R/B No.4 (Left Side of the Suspension Tower)
6	29	Fuse Block (Lower Finish Panel)

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	24 (*1)	Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment Left)
4A	27	Engine Room Main Wire and Engine Room J/B No.4 (Left Side of the Suspension Tower)
4B		
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CD		
CE		
CK	35	
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DC		
DM	31	Floor Wire and Driver Side J/B (Left Side of the Instrument Panel)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC1	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	106 (RHD)	
IC2	86 (LHD)	
	106 (RHD)	
IE1	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)
IE2	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)
IE3	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
IE4		
IE8		
IG2	88 (LHD)	Instrument Panel Wire and Switch Wire (Instrument Panel Brace LH)
IO1	108 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel)
IP1	108 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Instrument Panel Reinforcement LH)
IR1	108 (RHD)	Instrument Panel Wire and Cowl Wire (Right Side of the Instrument Panel)

: Ground Points

Code	See Page	Ground Points Location
EC	78 (*3)	Engine Compartment Left
	98 (*7)	
	104 (*10)	
EE	78 (*3)	Intake Side of Cylinder Block
	98 (*7)	
EF	78 (*3)	Left Side of the Cylinder Head
	98 (*7)	
IP	86 (LHD)	Right Kick Panel
	106 (RHD)	

: Splice Points

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E3	78 (*3)	Engine Wire	I3	108 (RHD)	Engine Wire

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

System Outline

The cruise control system is a fixed speed driving control function that, when you want to drive your car on a highway at a fixed speed, controls the fuel injection simply by manually operating the cruise control SW without stamping on the accelerator pedal.

1. Set Operation

When the cruise control main SW is turned on, the system starts preparations necessary for the cruiser control and turns on the CRUISE indicator light in the combination meter.

2. Set Speed Control

When the SET/COAST SW is operated with the cruise control main SW turned on during travelling, the constant vehicle speed is controlled.

3. Coast Control

When the SET/COAST SW is kept on during cruise control driving, this system reduces the requested cruise control opening to 0 to decelerate the car (However, the throttle valve is not fully closed by the ISC, etc.), and stores the car speed at the time the SW is turned off, and provides fixed speed control.

4. Accel Control

When the RESUME/ACCEL SW is kept on during cruise control driving, this system performs fixed acceleration control in the direction the fuel injection increases, and stores the car speed at the time the SW is turned off, and provides fixed speed control.

5. Resume Control

If the driving speed is still above the lower speed limit after cruise control by signals is canceled with the stop light SW on, the clutch SW off, the CANCEL SW of the cruise control SW on, and the VSC activated (w/ VSC), fixed acceleration control is performed by setting the RESUME/ACCEL SW from off to on to reset the car speed to the speed stored at the time of cancellation.

6. Tap–Up Control Function

This function increases the stored car speed by approximately 1.5 km/h each time the RESUME/ACCEL SW is instantaneously (For approximately 0.5 seconds) turned on.
However, if the difference between the stored and actual car speeds is 5 km/h or more, the stored car speed cannot be changed by this operation.

7. Tap–Down Control Function

This function reduces the stored car speed by approximately 1.5 km/h each time the SET/COAST SW is instantaneously (For approximately 0.5 seconds) turned on.
However, if the difference between the stored and actual car speeds is 5 km/h or more, the car speed at the time the SW is turned off is stored for fixed speed control by tap–down operation.

8. Manual Cancel Mechanism

If any of the following signals is input during cruise control travelling, the cruise control is cancelled.

- The stop light SW is turned on.
- The clutch SW is turned off.
- The CANCEL SW is turned on.
- The cruise control main SW is turned off.
- The VSC is activated (w/ VSC).

9. Auto Cancel Function

A) If either of the following problems occurs, the stored speed will be cleared, and control will be canceled.
In this case, the CRUISE indicator will remain flickering until the main SW is turned off, and control will stay disabled until the main SW is turned on.
- The stop light SW is disconnected or shorted.
- The vehicle speed signal is faulty.
- The fuel injection unit is malfunctioning.

B) If any of the following problems occurs, the stored speed will be cleared, and control will be canceled.
In this case, the CRUISE indicator will remain flickering until the main SW is turned off, and control will stay disabled until the ignition SW is turned off.
- The stop light SW input circuit is malfunctioning.
- The cancel circuit is malfunctioning.

C) If any of the following conditions occurs during cruise control operation, the set speed is erased and the cruise control is released.
- When the vehicle speed falls below the minimum speed limit (Approx. 40 km/h 25 mph).
- The driving speed is more than 16 km/h below the stored car speed.

Service Hints

E9 (A), E10 (B), E12 (C), E13 (D) Engine ECU (M/T)

(A) 9–Ground : Approx. 12 volts with the ignition SW at ON position
(A) 1, (B) 2–Ground : Always approx. 12 volts
(A) 15, (C) 7, (D) 6, (D) 7–Ground : Always continuity
(B) 19–Ground : Approx. 12 volts with the stop light SW at on
(B) 24–Ground : Continuity with the cruise control main SW at on
Approx. 1540 Ω with the CANCEL SW on in cruise control SW
Approx. 240 Ω with the RES/ACC SW on in cruise control SW
Approx. 630 Ω with the SET/COAST SW on in cruise control SW

C14 Combination SW

2–3 : Approx. 1540 Ω with the CANCEL SW on
Approx. 240 Ω with the RES/ACC SW on
Approx. 630 Ω with the SET/COAST SW on

: Parts Location

Code		See Page	Code		See Page	Code		See Page
A13	A	46 (LHD)	E3		64 (*10)	J12	A	48 (LHD)
		66 (RHD)	E9	A	47 (LHD)			68 (RHD)
A15	B	46 (LHD)			67 (RHD)	J13	B	48 (LHD)
		66 (RHD)	E10	B	47 (LHD)			68 (RHD)
A20		46 (LHD)			67 (RHD)	J20	C	68 (RHD)
		66 (RHD)	E12	C	47 (LHD)	J26	C	68 (RHD)
C9		46 (LHD)			67 (RHD)	J27	D	68 (RHD)
		66 (RHD)	E13	D	47 (LHD)	S1		45 (*6)
C10	A	46 (LHD)			67 (RHD)			65 (*10)
		66 (RHD)	F16		44 (*6)	S2		45 (*6)
C11	B	46 (LHD)			64 (*10)			65 (*10)
		66 (RHD)	I14		47 (LHD)	S13		49 (LHD)
C14		46 (LHD)			67 (RHD)			69 (RHD)
		66 (RHD)	J8	A	48 (LHD)	T3		45 (*6)
D1		44 (*6)	J9	B	48 (LHD)			65 (*10)
		64 (*10)	J10	A	48 (LHD)			
E3		44 (*6)	J11	B	48 (LHD)			

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	25 (*2)	Engine Room R/B No.1 (Engine Compartment Left)
3	26	Engine Room R/B No.3 (Left Side of the Suspension Tower)
6	29	Fuse Block (Lower Finish Panel)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	25 (*2)	Engine Wire and Engine Room J/B No.1 (Engine Compartment Left)
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CD		
CE		
CK	35	
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DC		

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EB1	84 (*6)	Engine Wire and Engine No.6 Wire (Near the Starter)
	104 (*10)	
EE1	84 (*6)	Engine Wire and Engine Room Main Wire (Engine Compartment Left)
	104 (*10)	
IC1	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	106 (RHD)	
IE1	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)
IE2	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)
IE3	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
IE8		
IG2	88 (LHD)	Instrument Panel Wire and Switch Wire (Instrument Panel Brace LH)
IK1	88 (LHD)	Engine Wire and Instrument Panel Wire (Behind the Glove Box)
	108 (RHD)	
IO1	108 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel)
IR1	108 (RHD)	Instrument Panel Wire and Cowl Wire (Right Side of the Instrument Panel)

: Ground Points

Code	See Page	Ground Points Location
EC	84 (*6)	Engine Compartment Left
	104 (*10)	
EI	84 (*6)	Near the Starter
	104 (*10)	
IP	86 (LHD)	Right Kick Panel
	106 (RHD)	

: Splice Points

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I3	88 (LHD)	Engine Wire	I3	108 (RHD)	Engine Wire

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

Service Hints

C7 Cigarette Lighter

1–Ground : Approx. 12 volts with the ignition SW at ACC or ON position

3–Ground : Always continuity

: Parts Location

Code	See Page	Code	See Page	Code	See Page
C7	46 (LHD)	J16	68 (RHD)		
	66 (RHD)	J17	48 (LHD)		

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
DB	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)

: Ground Points

Code	See Page	Ground Points Location
IL	106 (RHD)	Behind the Combination Meter
IP	86 (LHD)	Right Kick Panel

Combination Meter

Service Hints

C10 (A), C11 (B) Combination Meter

(A) 2–Ground : Approx. 12 volts with the ignition SW at ACC or ON position
(B) 20–Ground : Always approx. 12 volts
(B) 21–Ground : Approx. 12 volts with the ignition SW at ON position
(A) 6–Ground : Always continuity (w/ daytime running light)
(A) 17–Ground : Always continuity
(B) 5–Ground : Always continuity

○ : Parts Location

Code		See Page
A1		38 (*3)
		40 (*4)
		42 (*5)
		44 (*6)
		58 (*7)
		60 (*8)
		62 (*9)
		64 (*10)
A13	A	46 (LHD)
		66 (RHD)
A15	B	46 (LHD)
		66 (RHD)
B3		38 (*3)
		40 (*4)
		42 (*5)
		44 (*6)
		58 (*7)
		60 (*8)
		62 (*9)
		64 (*10)
C10	A	46 (LHD)
		66 (RHD)
C11	B	46 (LHD)
		66 (RHD)
E7		44 (*6)
		64 (*10)
E9	A	47 (LHD)
		67 (RHD)
E10	B	47 (LHD)
		67 (RHD)
E15		47 (LHD)
		67 (RHD)
F14		44 (*6)
		64 (*10)

Code		See Page
F25		50 (LHD S/D)
		52 (LHD L/B)
		54 (LHD W/G)
		70 (RHD S/D)
		72 (RHD L/B)
		74 (RHD W/G)
H14		47 (LHD)
		67 (RHD)
I14		47 (LHD)
		67 (RHD)
J2		45 (*6)
		65 (*10)
J3	A	48 (LHD)
		68 (RHD)
J4	B	48 (LHD)
		68 (RHD)
J8	A	48 (LHD)
J9	B	48 (LHD)
J10	A	48 (LHD)
J11	B	48 (LHD)
J15		68 (RHD)
J16		48 (LHD)
J17		68 (RHD)
J20	C	68 (RHD)
J21	D	68 (RHD)
J26	C	68 (RHD)
J27	D	68 (RHD)
J30		51 (LHD S/D)
		53 (LHD L/B)
		55 (LHD W/G)
		71 (RHD S/D)
		73 (RHD L/B)
		75 (RHD W/G)
M1	A	48 (LHD)

Code		See Page
M1	A	68 (RHD)
	B	48 (LHD)
		68 (RHD)
M6		51 (LHD S/D)
		53 (LHD L/B)
		55 (LHD W/G)
		71 (RHD S/D)
		73 (RHD L/B)
		75 (RHD W/G)
N3		49 (LHD)
		69 (RHD)
O2		39 (*3)
		41 (*4)
		43 (*5)
		45 (*6)
		59 (*7)
		61 (*8)
		63 (*9)
		65 (*10)
S1	A	39 (*3)
		45 (*6)
		59 (*7)
		65 (*10)
S2	B	41 (*4)
		43 (*5)
		45 (*6)
		61 (*8)
		63 (*9)
		65 (*10)
T6		69 (RHD)
V2		45 (*6)
		65 (*10)
Z1		49 (LHD)
		69 (RHD)

▭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
2	26	Engine Room R/B No.2 (Near the Radiator Fan)
6	29	Fuse Block (Lower Finish Panel)

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CD		
CK	35	
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DM	31	Floor Wire and Driver Side J/B (Left Side of the Instrument Panel)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC1	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	106 (RHD)	
IC2	86 (LHD)	
	106 (RHD)	
ID1	86 (LHD)	Instrument Panel Wire and Roof Wire (Left Side of the Instrument Panel)
	106 (RHD)	
IE1	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)
IK1	88 (LHD)	Engine Wire and Instrument Panel Wire (Behind the Glove Box)
	108 (RHD)	
IK2	88 (LHD)	
	108 (RHD)	
BB1	90 (LHD S/D)	Roof Wire and Roof No.2 Wire (Near the Personal Light)
	92 (LHD L/B)	
	94 (LHD W/G)	
	110 (RHD S/D)	
	112 (RHD L/B)	
	114 (RHD W/G)	

: Ground Points

Code	See Page	Ground Points Location
EC	78 (*3)	Engine Compartment Left
	80 (*4)	
	82 (*5)	
	84 (*6)	
	98 (*7)	
	100 (*8)	
	102 (*9)	
	104 (*10)	
EI	84 (*6)	Near the Starter
	104 (*10)	
IK	86 (LHD)	Behind the Combination Meter
	106 (RHD)	
IL	86 (LHD)	
IO	86 (LHD)	Instrument Panel Reinforcement RH
IP	86 (LHD)	Right Kick Panel
	106 (RHD)	

: Splice Points

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I3	88 (LHD)	Engine Wire	I3	108 (RHD)	Engine Wire

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

Service Hints

A11 (A) Alternator

(A) 1–Ground : 13.2–14.0 volts with the engine running at 6000 rpm and 135˚C (275˚F) (Gasoline)
13.2–14.0 volts with the engine running at 5000 rpm and 115˚C (239˚F) (1CD–FTV, taxi package w/ A/C)
13.2–13.7 volts with the engine running at 5000 rpm and 115˚C (239˚F) (Taxi package w/o A/C)

○ : Parts Location

Code		See Page	Code		See Page	Code		See Page
A11	A	38 (*3)	A12	B	62 (*9)	E11	C	47 (LHD)
		40 (*4)			64 (*10)			67 (RHD)
		42 (*5)	A13	A	46 (LHD)	E12	D	47 (LHD)
		44 (*6)			66 (RHD)			67 (RHD)
		58 (*7)	A15	B	46 (LHD)	E13	E	47 (LHD)
		60 (*8)			66 (RHD)			67 (RHD)
		62 (*9)	C10	A	46 (LHD)	I14		47 (LHD)
		64 (*10)			66 (RHD)			67 (RHD)
A12	B	38 (*3)	C11	B	46 (LHD)	J10	A	48 (LHD)
		40 (*4)			66 (RHD)	J11	B	48 (LHD)
		42 (*5)	E9	A	47 (LHD)	J20	B	68 (RHD)
		44 (*6)			67 (RHD)	J26	C	68 (RHD)
		58 (*7)	E10	B	47 (LHD)	P1		45 (*6)
		60 (*8)			67 (RHD)			

⬭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	24 (*1)	Engine Room R/B No.1 (Engine Compartment Left)
	25 (*2)	
3	26	Engine Room R/B No.3 (Left Side of the Suspension Tower)
6	29	Fuse Block (Lower Finish Panel)

⬭ : Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	24 (*1)	Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment Left)
	25 (*2)	Engine Wire and Engine Room J/B No.1 (Engine Compartment Left)
4A	27	Engine Room Main Wire and Engine Room J/B No.4 (Left Side of the Suspension Tower)
4B		
4E	27	Engine Wire and Engine Room J/B No.4 (Left Side of the Suspension Tower)
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CD		
CK	35	
DB	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EA1	78 (*3)	Engine Wire and Engine Room Main Wire (Left Side of the Suspension Tower)
	80 (*4)	
	82 (*5)	
	98 (*7)	
	100 (*8)	
	102 (*9)	
EE1	84 (*6)	Engine Wire and Engine Room Main Wire (Engine Compartment Left)
	104 (*10)	
IC1	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	106 (RHD)	
IK1	88 (LHD)	Engine Wire and Instrument Panel Wire (Behind the Glove Box)
	108 (RHD)	
IK2	88 (LHD)	
	108 (RHD)	

: Ground Points

Code	See Page	Ground Points Location
IP	86 (LHD)	Right Kick Panel
	106 (RHD)	

: Splice Points

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E4	84 (*6)	Engine Wire	I3	108 (RHD)	Engine Wire
I3	88 (LHD)				

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

Service Hints

Integration Relay

1, 23–Ground : Always approx. 12 volts
25–Ground : Always continuity

: Parts Location

Code	See Page	Code	See Page	Code	See Page
A13 A	66 (RHD)	D14	70 (RHD S/D)	J20 A	68 (RHD)
A15 B	66 (RHD)		72 (RHD L/B)	J21 B	68 (RHD)
B7	72 (RHD L/B)		74 (RHD W/G)	J22	68 (RHD)
	74 (RHD W/G)	D16	70 (RHD S/D)	J24 A	68 (RHD)
C10 A	66 (RHD)		72 (RHD L/B)	J25 B	68 (RHD)
C11 B	66 (RHD)		74 (RHD W/G)	J26	68 (RHD)
D6	67 (RHD)	D17	70 (RHD S/D)	J30 A	71 (RHD S/D)
D9	70 (RHD S/D)		72 (RHD L/B)	J31 B	71 (RHD S/D)
	72 (RHD L/B)		74 (RHD W/G)	J32	71 (RHD S/D)
	74 (RHD W/G)	D19	70 (RHD S/D)		73 (RHD L/B)
D10	70 (RHD S/D)		72 (RHD L/B)		75 (RHD W/G)
	72 (RHD L/B)		74 (RHD W/G)	J34	73 (RHD L/B)
	74 (RHD W/G)	D21	70 (RHD S/D)		75 (RHD W/G)
D11	70 (RHD S/D)		72 (RHD L/B)	L3	71 (RHD S/D)
	72 (RHD L/B)		74 (RHD W/G)	T6	69 (RHD)
	74 (RHD W/G)	E9 A	67 (RHD)	T10	69 (RHD)
D12	70 (RHD S/D)	E10 B	67 (RHD)	U1	69 (RHD)
	72 (RHD L/B)	I14 A	67 (RHD)		
	74 (RHD W/G)	J15	68 (RHD)		

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
6	29	Fuse Block (Lower Finish Panel)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CB		
CC		
CD		
CE		
CF		
CH	35	
CI		
CJ		
CK		
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DC		
DJ		
DM	31	Floor Wire and Driver Side J/B (Left Side of the Instrument Panel)

Double Locking

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	106 (RHD)	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
IA2		
IC1	106 (RHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
IC2		
IC3		
IL1	108 (RHD)	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
IL2		
IM1	108 (RHD)	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)
IM2		
BA1	110 (RHD S/D)	Rear Door No.2 Wire and Floor Wire (Under the Left Center Pillar)
	112 (RHD L/B)	
	114 (RHD W/G)	
BC1	110 (RHD S/D)	Rear Door No.1 Wire and Floor No.2 Wire (Under the Right Center Pillar)
	112 (RHD L/B)	
	114 (RHD W/G)	
BD2	112 (RHD L/B)	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
BE2	112 (RHD L/B)	Back Door No.2 Wire and Back Door No.1 Wire (Back Door Upper Left)
BF2	114 (RHD W/G)	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
BG2	114 (RHD W/G)	Back Door No.1 Wire and Back Door No.2 Wire (Back Door Left)

: Ground Points

Code	See Page	Ground Points Location
IJ	106 (RHD)	Left Kick Panel
IK	106 (RHD)	Behind the Combination Meter
IP	106 (RHD)	Right Kick Panel
BQ	110 (RHD S/D)	Under the Left Center Pillar
	112 (RHD L/B)	
	114 (RHD W/G)	
BS	110 (RHD S/D)	Lower Back Panel Left
BU	110 (RHD S/D)	Under the Right Center Pillar
	112 (RHD L/B)	
	114 (RHD W/G)	
BX	112 (RHD L/B)	Right Side of the Back Door
	114 (RHD W/G)	

: Splice Points

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
B1	110 (RHD S/D)	Front Door LH Wire	B1	114 (RHD W/G)	Front Door LH Wire
	112 (RHD L/B)				

Door Lock Control (LHD)

System Outline

Manual Lock Operation

All the doors are locked when the door lock control SW or the driver's side door key linked SW is operated to lock.

Manual Unlock Operation

All the doors are unlocked when the door lock control SW or the driver's side door key linked SW is operated to unlock.

Ignition Key Reminder Operation

The doors can not be locked unless the key is removed from the ignition key cylinder.

Service Hints

Integration Relay

23, 1–Ground : Always approx. 12 volts

25–Ground : Always continuity

U1 Unlock Warning SW

2–1 : Closed with the ignition key in cylinder

○ : Parts Location

Code		See Page	Code	See Page	Code		See Page
A13	A	46 (LHD)	D11	52 (LHD L/B)	D20		54 (LHD W/G)
A15	B	46 (LHD)		54 (LHD W/G)	E9	A	47 (LHD)
A16	C	46 (LHD)	D12	50 (LHD S/D)	E10	B	47 (LHD)
A26	A	46 (LHD)		52 (LHD L/B)	F19		47 (LHD)
A27	B	46 (LHD)		54 (LHD W/G)	I14	A	47 (LHD)
B7		52 (LHD L/B)	D13	50 (LHD S/D)	J10	A	48 (LHD)
		54 (LHD W/G)		52 (LHD L/B)	J16		48 (LHD)
B8		52 (LHD L/B)		54 (LHD W/G)	J30	A	51 (LHD S/D)
		54 (LHD W/G)	D15	50 (LHD S/D)	J31	B	51 (LHD S/D)
B9		56 (LHD)		52 (LHD L/B)	J32		51 (LHD S/D)
B10		56 (LHD)		54 (LHD W/G)			53 (LHD L/B)
C10		46 (LHD)	D17	50 (LHD S/D)			55 (LHD W/G)
D9		50 (LHD S/D)		52 (LHD L/B)	J33	A	53 (LHD L/B)
		52 (LHD L/B)		54 (LHD W/G)			55 (LHD W/G)
		54 (LHD W/G)	D18	50 (LHD S/D)	J34	B	53 (LHD L/B)
D10		50 (LHD S/D)		52 (LHD L/B)			55 (LHD W/G)
		52 (LHD L/B)		54 (LHD W/G)	L3		51 (LHD S/D)
		54 (LHD W/G)	D20	50 (LHD S/D)	L4		51 (LHD S/D)
D11		50 (LHD S/D)		52 (LHD L/B)	U1		49 (LHD)

▭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
6	29	Fuse Block (Lower Finish Panel)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CB		
CC		
CD		
CJ	35	
CK		
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DC		
DD		
DJ		
DM	31	Floor Wire and Driver Side J/B (Left Side of the Instrument Panel)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	86 (LHD)	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
IA2		
IC1	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
IC2		
IL1	88 (LHD)	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
IM1	88 (LHD)	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)
IM2		
BA1	90 (LHD S/D)	Rear Door No.2 Wire and Floor Wire (Under the Left Center Pillar)
	92 (LHD L/B)	
	94 (LHD W/G)	
BC1	90 (LHD S/D)	Rear Door No.1 Wire and Floor No.2 Wire (Under the Right Center Pillar)
	92 (LHD L/B)	
	94 (LHD W/G)	
BD2	92 (LHD L/B)	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
BE2	92 (LHD L/B)	Back Door No.2 Wire and Back Door No.1 Wire (Back Door Upper Left)
BF2	94 (LHD W/G)	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
BG2	94 (LHD W/G)	Back Door No.1 Wire and Back Door No.2 Wire (Back Door Left)

: Ground Points

Code	See Page	Ground Points Location
IJ	86 (LHD)	Left Kick Panel
IL	86 (LHD)	Behind the Combination Meter
IO	86 (LHD)	Instrument Panel Reinforcement RH
BS	90 (LHD S/D)	Lower Back Panel Left
BV	90 (LHD S/D)	Under the Right Center Pillar
	92 (LHD L/B)	
	94 (LHD W/G)	
BX	92 (LHD L/B)	Right Side of the Back Door
	94 (LHD W/G)	

: Splice Points

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
B1	90 (LHD S/D)	Front Door LH Wire	B1	94 (LHD W/G)	Front Door LH Wire
	92 (LHD L/B)				

System Outline

Manual Lock Operation

All the doors are locked when the door lock control SW or the driver's side door key linked SW is operated to lock.

Manual Unlock Operation

All the doors are unlocked when the door lock control SW or the driver's side door key linked SW is operated to unlock.

Ignition Key Reminder Operation

The doors can not be locked unless the key is removed from the ignition key cylinder.

Service Hints

Integration Relay

23, 1–Ground : Always approx. 12 volts
25–Ground : Always continuity
22–Ground : Approx. 12 volts with the ignition SW at ON position

U1 Unlock Warning SW

2–1 : Closed with the ignition key in cylinder

Door Lock Control (RHD) and Theft Deterrent

○ : Parts Location

Code		See Page	Code		See Page	Code		See Page
A13	A	66 (RHD)	D19	B	70 (RHD S/D)	J30	A	71 (RHD S/D)
A15	B	66 (RHD)			72 (RHD L/B)	J31	B	71 (RHD S/D)
B7		72 (RHD L/B)			74 (RHD W/G)	J32		71 (RHD S/D)
		74 (RHD W/G)	D20	A	70 (RHD S/D)			73 (RHD L/B)
B8		72 (RHD L/B)	D21	B	70 (RHD S/D)			75 (RHD W/G)
		74 (RHD W/G)			72 (RHD L/B)	J33	A	73 (RHD L/B)
C10	A	66 (RHD)			74 (RHD W/G)			75 (RHD W/G)
C11	B	66 (RHD)	E6		58 (*7)	J34	B	73 (RHD L/B)
D3		67 (RHD)			62 (*9)			75 (RHD W/G)
D5		67 (RHD)			64 (*10)	L3		71 (RHD S/D)
D6		67 (RHD)	E9	A	67 (RHD)	L4		71 (RHD S/D)
D9		70 (RHD S/D)	E10	B	67 (RHD)	M6		71 (RHD S/D)
		72 (RHD L/B)	F19		67 (RHD)			73 (RHD L/B)
		74 (RHD W/G)	H11		58 (*7)			75 (RHD W/G)
D10		70 (RHD S/D)			62 (*9)	P8		71 (RHD S/D)
		72 (RHD L/B)			64 (*10)			73 (RHD L/B)
		74 (RHD W/G)	H12		58 (*7)			75 (RHD W/G)
D11		70 (RHD S/D)			62 (*9)	T6		69 (RHD)
		72 (RHD L/B)			64 (*10)	T10		69 (RHD)
		74 (RHD W/G)	I11	A	67 (RHD)	T12		71 (RHD S/D)
D12		70 (RHD S/D)	I12	B	67 (RHD)			73 (RHD L/B)
		72 (RHD L/B)	I14	A	67 (RHD)			75 (RHD W/G)
		74 (RHD W/G)	I16		70 (RHD S/D)	T13		75 (RHD W/G)
D13	A	70 (RHD S/D)			72 (RHD L/B)	T14		75 (RHD W/G)
D14	B	70 (RHD S/D)			74 (RHD W/G)	T15		71 (RHD S/D)
		72 (RHD L/B)	J15		68 (RHD)			73 (RHD L/B)
		74 (RHD W/G)	J16		68 (RHD)			75 (RHD W/G)
D15	A	70 (RHD S/D)	J20	A	68 (RHD)	U1		69 (RHD)
D16	B	70 (RHD S/D)	J21	B	68 (RHD)	V8		71 (RHD S/D)
		72 (RHD L/B)	J22	A	68 (RHD)			73 (RHD L/B)
		74 (RHD W/G)	J23	B	68 (RHD)			75 (RHD W/G)
D17		70 (RHD S/D)	J24	A	68 (RHD)	V9		71 (RHD S/D)
		72 (RHD L/B)	J25	B	68 (RHD)			73 (RHD L/B)
		74 (RHD W/G)	J26	A	68 (RHD)			75 (RHD W/G)
D18	A	70 (RHD S/D)	J27	B	68 (RHD)			

⬭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	24 (*1)	Engine Room R/B No.1 (Engine Compartment Left)
	25 (*2)	
2	26	Engine Room R/B No.2 (Near the Radiator Fan)
6	29	Fuse Block (Lower Finish Panel)

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CB		
CC		
CD		
CE		
CF		
CG	35	
CH		
CI		
CJ		
CK		
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DC		
DJ		
DK	31	Roof Wire and Driver Side J/B (Left Side of the Instrument Panel)
DM	31	Floor Wire and Driver Side J/B (Left Side of the Instrument Panel)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	106 (RHD)	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
IA2		
IC1	106 (RHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
IC2		
IC3		
ID1	106 (RHD)	Instrument Panel Wire and Roof Wire (Left Side of the Instrument Panel)
IE1	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)
IL1	108 (RHD)	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
IL2		
IM1	108 (RHD)	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)
IM2		
IO1	108 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel)
BA1	110 (RHD S/D)	Rear Door No.2 Wire and Floor Wire (Under the Left Center Pillar)
	112 (RHD L/B)	
	114 (RHD W/G)	
BB1	110 (RHD S/D)	Roof Wire and Roof No.2 Wire (Near the Personal Light)
	112 (RHD L/B)	
	114 (RHD W/G)	
BC1	110 (RHD S/D)	Rear Door No.1 Wire and Floor No.2 Wire (Under the Right Center Pillar)
	112 (RHD L/B)	
	114 (RHD W/G)	
BD2	112 (RHD L/B)	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
BE2	112 (RHD L/B)	Back Door No.2 Wire and Back Door No.1 Wire (Back Door Upper Left)
BF2	114 (RHD W/G)	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
BG2	114 (RHD W/G)	Back Door No.1 Wire and Back Door No.2 Wire (Back Door Left)

▽ : **Ground Points**

Code	See Page	Ground Points Location
EC	98 (*7)	Engine Compartment Left
	102 (*9)	
	104 (*10)	
IJ	106 (RHD)	Left Kick Panel
IK	106 (RHD)	Behind the Combination Meter
IL		
IP	106 (RHD)	Right Kick Panel
BQ	110 (RHD S/D)	Under the Left Center Pillar
	112 (RHD L/B)	
	114 (RHD W/G)	
BS	110 (RHD S/D)	Lower Back Panel Left
BU	110 (RHD S/D)	Under the Right Center Pillar
	112 (RHD L/B)	
	114 (RHD W/G)	
BV	110 (RHD S/D)	
	112 (RHD L/B)	
	114 (RHD W/G)	
BX	112 (RHD L/B)	Right Side of the Back Door
	114 (RHD W/G)	

○ : **Splice Points**

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
B1	110 (RHD S/D)	Front Door LH Wire	B5	110 (RHD S/D)	Roof Wire
	112 (RHD L/B)			112 (RHD L/B)	
	114 (RHD W/G)			114 (RHD W/G)	

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

System Outline

The engine control system utilizes a microcomputer and maintains overall control of the engine, transaxle etc. An outline of the engine control is given here.

1. Input Signals

(1) Engine coolant temp. signal circuit

The EFI water temp. sensor detects the engine coolant temp. and has a built–in thermistor with a resistance, which varies according to the engine coolant temp.. The engine coolant temp. which is input into TERMINAL THW of the engine and ECT ECU (A/T) or engine ECU (M/T) as a control signal.

(2) Intake air temp. signal circuit

The intake air temp. sensor is installed in the air flow meter and detects the intake air temp. which is input as a control signal to TERMINAL THA of the engine and ECT ECU (A/T) or engine ECU (M/T).

(3) Oxygen density signal circuit (Unleaded gasoline)

The oxygen density in the exhaust emission is detected by the heated oxygen sensor and input as a control signal to TERMINALS OX1B and OX2B of the engine and ECT ECU (A/T) or engine ECU (M/T).

(4) RPM signal circuit

Camshaft position and crankshaft position are detected by the camshaft position sensor and crankshaft position sensor. Camshaft position is input as a control signal to TERMINAL G2+ of the engine and ECT ECU (A/T) or engine ECU (M/T), and engine RPM is input into TERMINAL NE+.

(5) Throttle position signal circuit

The throttle position sensor detects the throttle valve opening angle as a control signal, which is input into TERMINAL VTA1 of the engine and ECT ECU (A/T) or engine ECU (M/T).

(6) Vehicle speed circuit

The speed sensor detects the vehicle speed and inputs a control signal to TERMINAL SPD of the engine and ECT ECU (A/T) or engine ECU (M/T).

(7) Battery signal circuit

Voltage is constantly applied to TERMINAL BATT of the engine and ECT ECU (A/T) or engine ECU (M/T). With the ignition SW turned on, the voltage for engine and ECT ECU (A/T) or engine ECU (M/T) start–up power supply is applied to TERMINAL +B of the engine and ECT ECU (A/T) or engine ECU (M/T) via the EFI relay.

(8) Stop light SW signal circuit

The stop light SW is used to detect whether the vehicle is braking or not and the signal is input into TERMINAL STP of the engine and ECT ECU (A/T) or engine ECU (M/T) as a control signal.

(9) Starter signal circuit

To confirm whether the engine is cranking, the voltage is applied to the starter motor during cranking is detected and the signal is input into TERMINAL STA of the engine and ECT ECU (A/T) or engine ECU (M/T) as a control signal.

(10) Engine knock signal circuit

Engine knocking is detected by knock sensor and the signal is input into TERMINAL KNK1 as a control signal.

(11) Air fuel ratio signal system (Unleaded gasoline)

The air fuel ratio is detected and input as a control signal into TERMINALS A1A+ and A2A+ of the engine and ECT ECU (A/T) or engine ECU (M/T).

2. Control System

∗ EFI system
The EFI system monitors the engine condition through the signals input from each sensor to the engine and ECT ECU (A/T) or engine ECU (M/T). And the control signal is output to TERMINALS #1, #2, #3, #4 of the engine and ECT ECU (A/T) or engine ECU (M/T) to operate the injector (Inject the fuel). The EFI system controls the fuel injection operation by the engine and ECT ECU (A/T) or engine ECU (M/T) in response to the driving conditions.

∗ ESA system
The ESA system monitors the engine condition through the signals input to the engine and ECT ECU (A/T) or engine ECU (M/T) from each sensor. The best ignition timing is decided according to this data and the memorized data in the engine and ECT ECU (A/T) or engine ECU (M/T) and the control signal is output to TERMINALS IGT1, IGT2, IGT3, IGT4. This signal controls the igniter to provide the best ignition timing for the driving conditions.

∗ Heated oxygen sensor heater control system (Unleaded gasoline)
The heated oxygen sensor heater control system turns the heater on when the intake air volume is low (Temp. of exhaust emissions is low), and warms up the heated oxygen sensor to improve detection performance of the sensor. The engine and ECT ECU (A/T) or engine ECU (M/T) evaluates the signals from each sensor, and outputs current to TERMINALS HT1B and HT2B to control the heater.

∗ ISC system
The ISC system (Rotary solenoid type) increases the RPM and provides idling stability for fast idle–up when the engine is cold and when the idle speed has dropped due to electrical load, etc. The engine and ECT ECU (A/T) or engine ECU (M/T) evaluates the signals from each sensor, outputs current to TERMINAL RSD, and controls the ISC valve.

∗ Fuel pump control system
The engine and ECT ECU (A/T) or engine ECU (M/T) operation outputs to TERMINAL FC and controls the circuit opening relay. Thus controls the fuel pump drive speed in response to conditions.

∗ VVT–i system
The system controls the position of the spool valve of the oil control valve according to the signals from the engine and ECT ECU (A/T) or engine ECU (M/T). In this manner, the hydraulic pressure to the advance side vane chamber and the retard side vane chamber of the VVT is controlled to vary the intake camshaft phase continuously.

3. Diagnosis System

With the diagnosis system, when there is a malfunction in the engine and ECT ECU (A/T) or engine ECU (M/T) signal system, the malfunctioning system is recorded in the memory. The malfunctioning system can be found by reading the code displayed by the malfunction indicator lamp.

4. Fail–Safe System

When a malfunction has occurred in any system, if there is a possibility of engine trouble being caused by continued control based on the signals from that system, the fail–safe system either controls the system by using data (Standard values) recorded in the engine and ECT ECU (A/T) or engine ECU (M/T) memory or else stops the engine.

Service Hints

E9 (A), E10 (B), E12 (C), E13 (D) Engine and ECT ECU (A/T) or Engine ECU (M/T)

BATT–E1 : Always 9.0–14.0 volts
VC–E2 : 4.5–5.5 volts (Ignition SW at ON position)
VTA1–E2 : 0.3–1.0 volts (Ignition SW on and throttle valve fully closed)
3.2–4.9 volts (Ignition SW on and throttle valve fully open)
VG–EVG : 1.1–1.5 volts (Engine idling and A/C SW off)
THA–E2 : 0.5–3.4 volts (Engine idling and intake air temp. 20˚C, 68˚F)
THW–E2 : 0.2–1.0 volts (Engine idling and coolant temp. 80˚C, 176˚F)
IGF1–E1 : 4.5–5.5 volts (Ignition SW at ON position)
Pulse generation (Engine idling)
SIL–E1 : Pulse generation (During transmission)
TACH–E1 : Pulse generation (Engine idling)
STA–E1 : 6.0 volts or more (Engine cranking)
FC–E01 : 9.0–14.0 volts (Ignition SW at ON position)
SPD–E1 : Pulse generation (Ignition SW on and rotate driving wheel slowly)
W–E01 : Below 3.0 volts (Ignition SW at ON position)
PRG–E01 : 9.0–14.0 volts (Ignition SW at ON position)
STP–E1 : 7.5–14.0 volts (Ignition SW on and brake pedal depressed)
Below 1.5 volts (Ignition SW on and brake pedal released)
KNK1–E1 : Pulse generation (Engine idling)
PSW–E1 : 9.0–14.0 volts (Ignition SW at ON position)
HA1A–E04 : Below **3.0** volts (Engine idling)
IGSW–E1 : 9.0–14.0 volts (Ignition SW at ON position)
MREL–E1 : 9.0–14.0 volts (Ignition SW at ON position)
G2+, NE+ –NE– : Pulse generation (Engine idling)
OC1+ –OC1– : Pulse generation (Ignition SW at ON position)
HT1B–E1 : 9.0–14.0 volts (Engine idling)
Below 3.0 volts (Ignition SW at ON position)
A1A+ –E1 : 3.3 volts (Ignition SW at ON position)
A1A– –E1 : 3.0 volts (Ignition SW at ON position)
OX1B–E1 : Pulse generation (Maintain engine speed at 2500 rpm for 90 sec. after warming up)
IGT1, IGT2, IGT3, IGT4–E1 : Pulse generation (Engine idling)
#1, #2, #3, #4–E01 : 9.0–14.0 volts (Ignition SW at ON position)
Pulse generation (Engine idling)

○ : Parts Location

Code	See Page	Code	See Page	Code	See Page
A6	40 (*4)	E12 C	67 (RHD)	J12 A	48 (LHD)
	60 (*8)	E13 D	47 (LHD)		68 (RHD)
A7	40 (*4)		67 (RHD)	J13 B	48 (LHD)
A8	40 (*4)	F25	50 (LHD S/D)		68 (RHD)
A11	40 (*4)		54 (LHD W/G)	J14	48 (LHD)
	60 (*8)		70 (RHD S/D)	J16	48 (LHD)
A13	46 (LHD)	H8	40 (*4)		68 (RHD)
	66 (RHD)	H10	40 (*4)	J20 C	68 (RHD)
A27	46 (LHD)	I1	41 (*4)	J26 C	68 (RHD)
	66 (RHD)		61 (*8)	J27 D	68 (RHD)
C1	40 (*4)	I2	41 (*4)	J30	51 (LHD S/D)
	60 (*8)		61 (*8)		55 (LHD W/G)
C2	40 (*4)	I3	41 (*4)		71 (RHD S/D)
C6	40 (*4)		61 (*8)	K1	41 (*4)
	60 (*8)	I4	41 (*4)		61 (*8)
C8	46 (LHD)		61 (*8)	N1	41 (*4)
	66 (RHD)	I5	41 (*4)		61 (*8)
C9	46 (LHD)		61 (*8)	P2	41 (*4)
	66 (RHD)	I6	41 (*4)		61 (*8)
C10 A	46 (LHD)		61 (*8)	S2	41 (*4)
	66 (RHD)	I7	41 (*4)		61 (*8)
C11 B	46 (LHD)		61 (*8)	S13	49 (LHD)
	66 (RHD)	I8	41 (*4)		69 (RHD)
D5	47 (LHD)		61 (*8)	T2	41 (*4)
	67 (RHD)	I10	41 (*4)		61 (*8)
E2	40 (*4)		61 (*8)	T8	49 (LHD)
	60 (*8)	I14	47 (LHD)		69 (RHD)
E9 A	47 (LHD)		67 (RHD)	V3	41 (*4)
	67 (RHD)	J8 A	48 (LHD)		61 (*8)
E10 B	47 (LHD)	J9 B	48 (LHD)	V5	41 (*4)
	67 (RHD)	J10 A	48 (LHD)		61 (*8)
E12 C	47 (LHD)	J11 B	48 (LHD)		

▭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	24 (*1)	Engine Room R/B No.1 (Engine Compartment Left)
4	27	Engine Room R/B No.4 (Left Side of the Suspension Tower)
6	29	Fuse Block (Lower Finish Panel)

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	24 (*1)	Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment Left)
4A	27	Engine Room Main Wire and Engine Room J/B No.4 (Left Side of the Suspension Tower)
4B		
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CB		
CD		
CE		
CK	35	
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DC		
DD		
DL	31	Engine Room Main Wire and Driver Side J/B (Left Side of the Instrument Panel)
DM	31	Floor Wire and Driver Side J/B (Left Side of the Instrument Panel)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EA1	80 (*4)	Engine Wire and Engine Room Main Wire (Left Side of the Suspension Tower)
	100 (*8)	
IB1	86 (LHD)	Engine Room Main Wire and Floor Wire (Near the Driver Side J/B)
	106 (RHD)	
IC1	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	106 (RHD)	
IC2	86 (LHD)	
	106 (RHD)	
IC3	86 (LHD)	
	106 (RHD)	
IE1	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)
IE2	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)
IE3	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
IK1	88 (LHD)	Engine Wire and Instrument Panel Wire (Behind the Glove Box)
	108 (RHD)	
IO1	108 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel)
IR1	108 (RHD)	Instrument Panel Wire and Cowl Wire (Right Side of the Instrument Panel)

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

: Ground Points

Code	See Page	Ground Points Location
EC	80 (*4)	Engine Compartment Left
	100 (*8)	
EE	80 (*4)	Intake Side of Cylinder Block
	100 (*8)	
EF	80 (*4)	Left Side of the Cylinder Head
	100 (*8)	
IO	86 (LHD)	Instrument Panel Reinforcement RH
IP	86 (LHD)	Right Kick Panel
	106 (RHD)	
BR	90 (LHD S/D)	Under the Left Center Pillar
	94 (LHD W/G)	
	110 (RHD S/D)	

: Splice Points

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E2	80 (*4)	Engine Room Main Wire	E4	100 (*8)	Engine Wire
	100 (*8)		I3	108 (RHD)	
E3	80 (*4)	Engine Wire	I4	88 (LHD)	
	100 (*8)		I5	88 (LHD)	
E4	80 (*4)			108 (RHD)	

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

System Outline

The engine control system utilizes a microcomputer and maintains overall control of the engine, transaxle etc. An outline of the engine control is given here.

1. Input Signals

(1) Engine coolant temp. signal circuit

The EFI water temp. sensor detects the engine coolant temp. and has a built–in thermistor with a resistance, which varies according to the engine coolant temp.. The engine coolant temp. which is input into TERMINAL THW of the engine and ECT ECU (A/T) or engine ECU (M/T) as a control signal.

(2) Intake air temp. signal circuit

The intake air temp. sensor is installed in the air flow meter and detects the intake air temp. which is input as a control signal to TERMINAL THA of the engine and ECT ECU (A/T) or engine ECU (M/T).

(3) Oxygen density signal circuit

The oxygen density in the exhaust emission is detected by the heated oxygen sensor and input as a control signal to TERMINALS OX1A, OX2A, OX1B and OX2B of the engine and ECT ECU (A/T) or engine ECU (M/T).

(4) RPM signal circuit

Camshaft position and crankshaft position are detected by the camshaft position sensor and crankshaft position sensor. Camshaft position is input as a control signal to TERMINAL G2+ of the engine and ECT ECU (A/T) or engine ECU (M/T), and engine RPM is input into TERMINAL NE+.

(5) Throttle position signal circuit

The accelerator pedal position sensor detects the accelerator pedal opening angle, which is input as a control signal to TERMINALS VPA and VPA2 of the engine and ECT ECU (A/T) or engine ECU (M/T).

(6) Vehicle speed circuit

The speed sensor detects the vehicle speed and inputs a control signal to TERMINAL SPD of the engine and ECT ECU (A/T) or engine ECU (M/T).

(7) Battery signal circuit

Voltage is constantly applied to TERMINAL BATT of the engine and ECT ECU (A/T) or engine ECU (M/T). With the ignition SW turned on, the voltage for engine and ECT ECU (A/T) or engine ECU (M/T) start–up power supply is applied to TERMINALS +B and +B2 of the engine and ECT ECU (A/T) or engine ECU (M/T) via the EFI relay.

(8) Stop light SW signal circuit

The stop light SW is used to detect whether the vehicle is braking or not and the signal is input into TERMINAL STP of the engine and ECT ECU (A/T) or engine ECU (M/T) as a control signal.

(9) Starter signal circuit

To confirm whether the engine is cranking, the voltage is applied to the starter motor during cranking is detected and the signal is input into TERMINAL STA of the engine and ECT ECU (A/T) or engine ECU (M/T) as a control signal.

(10) Engine knock signal circuit

Engine knocking is detected by knock sensor and the signal is input into TERMINAL KNK1 as a control signal.

2. Control System

∗ ESA system
The ESA system monitors the engine condition through the signals input to the engine and ECT ECU (A/T) or engine ECU (M/T) from each sensor. The best ignition timing is decided according to this data and the memorized data in the engine and ECT ECU (A/T) or engine ECU (M/T) and the control signal is output to TERMINALS IGT1, IGT2, IGT3, IGT4. This signal controls the igniter to provide the best ignition timing for the driving conditions.

∗ Heated oxygen sensor heater control system
The heated oxygen sensor heater control system turns the heater on when the intake air volume is low (Temp. of exhaust emissions is low), and warms up the heated oxygen sensor to improve detection performance of the sensor. The engine and ECT ECU (A/T) or engine ECU (M/T) evaluates the signals from each sensor, and outputs current to TERMINALS HT1A, HT2A, HT1B and HT2B to control the heater.

∗ Fuel pump control system
The engine and ECT ECU (A/T) or engine ECU (M/T) operation outputs to TERMINAL FC and controls the circuit opening relay. Thus controls the fuel pump drive speed in response to conditions.

∗ VVT–i system
The system controls the position of the spool valve of the oil control valve according to the signals from the engine and ECT ECU (A/T) or engine ECU (M/T). In this manner, the hydraulic pressure to the advance side vane chamber and the retard side vane chamber of the VVT is controlled to vary the intake camshaft phase continuously.

3. Diagnosis System

With the diagnosis system, when there is a malfunction in the engine and ECT ECU (A/T) or engine ECU (M/T) signal system, the malfunctioning system is recorded in the memory. The malfunctioning system can be found by reading the code displayed by the malfunction indicator lamp.

4. Fail–Safe System

When a malfunction has occurred in any system, if there is a possibility of engine trouble being caused by continued control based on the signals from that system, the fail–safe system either controls the system by using data (Standard values) recorded in the engine and ECT ECU (A/T) or engine ECU (M/T) memory or else stops the engine.

Service Hints

E9 (A), E10 (B), E11 (C), E12 (D), E13 (E) Engine and ECT ECU (A/T) or Engine ECU (M/T)

BATT–E1 : Always 9.0–14.0 volts
VC–E2 : 4.5–5.5 volts (Ignition SW at ON position)
VTA1–E2 : 0.3–1.0 volts (Ignition SW on and throttle valve fully closed)
3.2–4.9 volts (Ignition SW on and throttle valve fully open)
VG–EVG : 1.1–1.5 volts (Engine idling and A/C SW off)
THA–E2 : 0.5–3.4 volts (Engine idling and intake air temp. 20˚C, 68˚F)
THW–E2 : 0.2–1.0 volts (Engine idling and coolant temp. 80˚C, 176˚F)
IGF1–E1 : 4.5–5.5 volts (Ignition SW at ON position)
Pulse generation (Engine idling)
SIL–E1 : Pulse generation (During transmission)
TACH–E1 : Pulse generation (Engine idling)
STA–E1 : 6.0 volts or more (Engine cranking)
FC–E01 : 9.0–14.0 volts (Ignition SW at ON position)
SPD–E1 : Pulse generation (Ignition SW on and rotate driving wheel slowly)
W–E01 : Below 3.0 volts (Ignition SW at ON position)
EVP1–E01 : 9.0–14.0 volts (Ignition SW at ON position)
STP–E1 : 7.5–14.0 volts (Ignition SW on and brake pedal depressed)
Below 1.5 volts (Ignition SW on and brake pedal released)
KNK1–E1 : Pulse generation (Engine idling)
PSW–E1 : 9.0–14.0 volts (Ignition SW at ON position)
IGSW–E1 : 9.0–14.0 volts (Ignition SW at ON position)
MREL–E1 : 9.0–14.0 volts (Ignition SW at ON position)
G2+, NE+ –NE– : Pulse generation (Engine idling)
OC1+ –OC1– : Pulse generation (Ignition SW at ON position)
IGT1, IGT2, IGT3, IGT4–E1 : Pulse generation (Engine idling)
#1, #2, #3, #4–E01 : 9.0–14.0 volts (Ignition SW at ON position)
Pulse generation (Engine idling)
VPA–EPA : 0.6–1.0 volts (Ignition SW on accelerator pedal fully closed)
VPA2–EPA2 : 1.4–1.8 volts (Ignition SW on accelerator pedal fully closed)

: Parts Location

Code	See Page	Code	See Page	Code	See Page
A6	38 (*3)	E12 D	67 (RHD)	J12 A	48 (LHD)
	58 (*7)	E13 E	47 (LHD)		68 (RHD)
A11	38 (*3)		67 (RHD)	J13 B	48 (LHD)
	58 (*7)	F16	38 (*3)		68 (RHD)
A15	46 (LHD)		58 (*7)	J14 A	48 (LHD)
	66 (RHD)	F25	50 (LHD S/D)	J16	48 (LHD)
A20	46 (LHD)		52 (LHD L/B)		68 (RHD)
	66 (RHD)		54 (LHD W/G)	J19	68 (RHD)
A27	46 (LHD)		70 (RHD S/D)	J20 C	68 (RHD)
	66 (RHD)		72 (RHD L/B)	J21 D	68 (RHD)
B2	38 (*3)		74 (RHD W/G)	J26 C	68 (RHD)
	58 (*7)	H7	38 (*3)	J27 D	68 (RHD)
C1	38 (*3)		58 (*7)	J28 B	68 (RHD)
	58 (*7)	H8	38 (*3)	J30	51 (LHD S/D)
C2	38 (*3)		58 (*7)		53 (LHD L/B)
	58 (*7)	H9	38 (*3)		55 (LHD W/G)
C6	38 (*3)		58 (*7)		71 (RHD S/D)
	58 (*7)	H10	38 (*3)		73 (RHD L/B)
C8	46 (LHD)		58 (*7)		75 (RHD W/G)
	66 (RHD)	I1	39 (*3)	K1	39 (*3)
C9	46 (LHD)		59 (*7)		59 (*7)
	66 (RHD)	I2	39 (*3)	N1	39 (*3)
C10 A	46 (LHD)		59 (*7)		59 (*7)
	66 (RHD)	I3	39 (*3)	P2	39 (*3)
C11 B	46 (LHD)		59 (*7)		59 (*7)
	66 (RHD)	I4	39 (*3)	S1	39 (*3)
D5	47 (LHD)		59 (*7)		59 (*7)
	67 (RHD)	I5	39 (*3)	S3	39 (*3)
E2	38 (*3)		59 (*7)		59 (*7)
	58 (*7)	I6	39 (*3)	S13	49 (LHD)
E4 A	38 (*3)		59 (*7)		69 (RHD)
	58 (*7)	I7	39 (*3)	T1	39 (*3)
E5 B	38 (*3)		59 (*7)		59 (*7)
	58 (*7)	I8	39 (*3)	T8	49 (LHD)
E9 A	47 (LHD)		59 (*7)		69 (RHD)
	67 (RHD)	I14	47 (LHD)	V1	39 (*3)
E10 B	47 (LHD)		67 (RHD)		59 (*7)
	67 (RHD)	J8 A	48 (LHD)	V5	39 (*3)
E11 C	47 (LHD)	J9 B	48 (LHD)		59 (*7)
	67 (RHD)	J10 A	48 (LHD)	V6	39 (*3)
E12 D	47 (LHD)	J11 B	48 (LHD)		59 (*7)

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	24 (*1)	Engine Room R/B No.1 (Engine Compartment Left)
4	27	Engine Room R/B No.4 (Left Side of the Suspension Tower)
6	29	Fuse Block (Lower Finish Panel)

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	24 (*1)	Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment Left)
4A	27	Engine Room Main Wire and Engine Room J/B No.4 (Left Side of the Suspension Tower)
4B		
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CB		
CD		
CE		
CK	35	
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DC		
DD		
DL	31	Engine Room Main Wire and Driver Side J/B (Left Side of the Instrument Panel)
DM	31	Floor Wire and Driver Side J/B (Left Side of the Instrument Panel)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EA1	78 (*3)	Engine Wire and Engine Room Main Wire (Left Side of the Suspension Tower)
	98 (*7)	
IB1	86 (LHD)	Engine Room Main Wire and Floor Wire (Near the Driver Side J/B)
	106 (RHD)	
IC1	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	106 (RHD)	
IC2	86 (LHD)	
	106 (RHD)	
IC3	86 (LHD)	
	106 (RHD)	
IE1	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)
IE2	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)
IE3	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
IE4		
IE8		
IG2	88 (LHD)	Instrument Panel Wire and Switch Wire (Instrument Panel Brace LH)
IK2	88 (LHD)	Engine Wire and Instrument Panel Wire (Behind the Glove Box)
	108 (RHD)	
IO1	108 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel)
IP1	108 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Instrument Panel Reinforcement LH)
IR1	108 (RHD)	Instrument Panel Wire and Cowl Wire (Right Side of the Instrument Panel)

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

▽ : **Ground Points**

Code	See Page	Ground Points Location
EC	78 (*3)	Engine Compartment Left
	98 (*7)	
EE	78 (*3)	Intake Side of Cylinder Block
	98 (*7)	
EF	78 (*3)	Left Side of the Cylinder Head
	98 (*7)	
IO	86 (LHD)	Instrument Panel Reinforcement RH
IP	86 (LHD)	Right Kick Panel
	106 (RHD)	
BR	90 (LHD S/D)	Under the Left Center Pillar
	92 (LHD L/B)	
	94 (LHD W/G)	
	110 (RHD S/D)	
	112 (RHD L/B)	
	114 (RHD W/G)	

○ : **Splice Points**

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E2	78 (*3)	Engine Room Main Wire	E7	78 (*3)	Engine Wire
	98 (*7)			98 (*7)	
E3	78 (*3)	Engine Wire	E8	78 (*3)	
E4	98 (*7)			98 (*7)	
E5	78 (*3)		I3	108 (RHD)	
	98 (*7)		I4		
E6	78 (*3)		I5	88 (LHD)	
	98 (*7)			108 (RHD)	

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

System Outline

This system utilizes an engine ECU and maintains overall control of the engine, transaxle and so on. An outline of the engine control is explained here.

1. Input Signals

(1) Water temp. signal circuit

The EFI water temp. sensor detects the engine coolant temp. and has a built–in thermistor with a resistance varies according to the engine coolant temp. Thus the engine coolant temp. is input in the form of a control signal to TERMINAL THW of the engine ECU.

(2) Intake air temp. signal circuit

The intake air temp. sensor is installed in the air flow meter and detects the intake air temp., which is input as a control signal to TERMINAL THIA of the engine ECU.

(3) RPM signal circuit

Camshaft position and crankshaft position are detected by the camshaft position sensor and crankshaft position sensor. Camshaft position is input as a control signal to TERMINAL G1 of the engine ECU, and engine RPM is input into TERMINAL NE+.

(4) Throttle signal circuit

The accelerator pedal position sensor detects the accelerator pedal opening angle, which is input as a control signal to TERMINALS VPA, VPA2 of the engine ECU.

(5) Vehicle speed signal circuit

The speed sensor detects the vehicle speed and inputs a control signal to TERMINAL SP1 of the engine ECU.

(6) Battery signal circuit

Voltage is constantly applied to TERMINAL BATT of the engine ECU. When the ignition SW is turned to on, voltage for engine ECU operation is applied via the EFI MAIN relay to TERMINAL +B of the engine ECU.

(7) Started signal circuit

To confirm that the engine is cranking, the voltage applied to the starter motor during cranking is detected and is input as a control signal to TERMINAL STA of the engine ECU.

(8) Fuel temp. signal circuit

The fuel temp. sensor is detects the fuel temp., which is input as a control signal to TERMINAL THF of the engine ECU.

(9) Intake air vacuum pressure signal system

Intake air vacuum pressure is detected by the turbo pressure sensor and is input as a control signal to TERMINAL PIM of the engine ECU.

(10) Stop light SW signal circuit

The stop light SW is used to detect whether the vehicle is braking or not and the signal is input into TERMINAL STP of the engine ECU as a control signal.

2. Control System

* EGR control system
  The EGR control system detects the signals from each sensors, then the current is output to the TERMINAL VN to control the VRV (EGR).
* Common rail pressure control
  The rail pressure is controlled by calculating the target rail pressure based on the engine status (Engine opening, engine speed), as well as the amount of fuel to be pressure–fed from the supply pump and the relief rate of the pressure reducing valve so that the detection value of the rail pressure sensor will meet the target value, and sending a signal to the suction volume regulating and pressure reducing valves.
* Fuel injection timing control
  The fuel injection timing is controlled by calculating the basic fuel injection timing based on the engine status (Engine opening, engine speed), making corrections according to the water temperature, suction air temperature, suction air pressure, etc., then sending a signal to the solenoid control valve of the ejector via the electronic driver unit.
* Fuel injection rate control
  The fuel injection rate is controlled by calculating the basic fuel injection rate based on the engine status (Engine opening, engine speed), making corrections according to the water temperature, suction air temperature, suction air pressure, etc., then sending a signal to the solenoid control valve of the ejector via the electronic driver unit.
* Pilot injection control
  The fuel injection timing and rate are controlled by calculating the pilot injection rate and timing based on the engine status (Engine opening, engine speed), making corrections according to the water temperature, suction air temperature, suction air pressure, etc., then sending a signal to the solenoid control valve of the ejector via the electronic driver unit.

3. Diagnosis System

With the diagnosis system, when there is a malfunctioning in the ECU signal system, the malfunction system is recorded in the memory. The malfunctioning system cab be found by reading the display (Code) of the check engine warning light.

4. Fail–safe System

When a malfunction occurs in any system, if there is a possibility of engine trouble being caused by continued control based on the signals from that system, the fail–safe system either controls the system by using data (Standard values) recorded in the ECU memory or else stops the engine.

Service Hints

EDU Relay

5–3 : Closed with the ignition SW at ON or ST position

E9 (A), E10 (B), E12 (C), E13 (D) Engine ECU (M/T)

BATT–E1 : Always 9.0–14.0 volts
+B–E1 : 9.0–14.0 volts (Ignition SW at ON position)
VC, VCPA, VCP2, VCS–E1 : 4.5–5.5 volts (Ignition SW at ON position)
STA–E1 : 6.0 volts or more (Engine cranking)
MREL–E1 : 9.0–14.0 volts (Ignition SW at ON position)
0–1.5 volts (More than two seconds passed away after the ignition SW was turned to OFF)
IREL–E1 : 0–1.5 volts (Engine idling)
9.0–14.0 volts (Ignition SW at OFF position)
GREL–E1 : 9.0–14.0 volts (Engine cranking)
0–1.5 volts (Engine idling (More than 600 seconds passed away after the engine started to run))
NE+ –NE– : Pulse generation (Engine idling)
G1–G– : Pulse generation (Engine idling)
VPA–EPA : 0.5–1.1 volts (Ignition SW on and accelerator pedal fully closed)
3.0–4.6 volts (Ignition SW on and accelerator pedal fully opened)
VPA2–EPA2 : 0.9–2.3 volts (Ignition SW on and accelerator pedal fully closed)
3.4–5.0 volts (Ignition SW on and accelerator pedal fully opened)
STP–E1 : 7.5–14.0 volts (Ignition SW on and brake pedal depressed)
0–1.5 volts (Ignition SW on and brake pedal released)
ST1– –E1 : 0–1.5 volts (Ignition SW on and brake pedal depressed)
7.5–14.0 volts (Ignition SW on and brake pedal released)
PIM–E2 : 0.2–0.8 volts (When a negative pressure of 40 kPA (300 mmhg) is applied)
1.3–1.9 volts (During air release)
3.2–3.8 volts (When a pressure of 69 kPA (0.7 kg/cm^3) is applied)
THW–E2 : 0.2–1.0 volts (During warm–up and coolant temp. 60˚C, 140˚F–120˚C, 248˚F)
THA–E2 : 0.5–3.4 volts (During warm–up and intake temp. 0˚C, 32˚F–80˚C, 176˚F)
THIA–E2 : 0.5–3.4 volts (During warm–up and intake air temp. 0˚C, 32˚F–80˚C, 176˚F)
THF–E2 : 0.5–3.4 volts (During cooling with the ignition SW kept at the ON position)
VG–E2 : 0.5–3.4 volts (Engine idling)
PCR1–E2 : 1.8–2.1 volts (Engine idling)
PCR2–E2 : 1.2–1.5 volts (Engine idling)
ALT–E1 : Pulse generation (Engine idling)
RL–E1 : 9.0–14.0 volts (Engine idling)
PCV+ –PCV– : Pulse generation (Engine idling)
#1, #2, #3, #4–E1 : Pulse generation (Engine idling)
PRD–E1 : 4.0–6.5 volts (Ignition SW off)
INJF–E1 : Pulse generation (Engine idling)
EG+A–E1 : Pulse generation (During idling after warm–up)
EG–A–E1 : Pulse generation (During idling after warm–up)
EG+B–E1 : Pulse generation (During idling after warm–up)
EG–B–E1 : Pulse generation (During idling after warm–up)
LU+A–E1 : Pulse generation (During racing after warm–up)
LU–A–E1 : Pulse generation (During racing after warm–up)
LU+B–E1 : Pulse generation (During racing after warm–up)
LU–B–E1 : Pulse generation (During racing after warm–up)
THOP–E1 : 9.0–14.0 volts (During idling after warm–up)
0–3.0 volts (Only once within five seconds after the ignition SW was turned to ON)
VN–E1 : Pulse generation (Ignition SW at ON position)
MPX1–E1 : Pulse generation (During idling after warm–up)
MPX2–E1 : Pulse generation (During idling after warm–up)
W–E1 : 0–3.0 volts (Check engine warning light lights up and ignition SW at ON position)
9.0–14.0 volts (Engine idling and except check engine warning light lights up)
TACH–E1 : Pulse generation (Engine idling)
TC–E1 : 9.0–14.0 volts (Ignition SW at ON position)
0–3.0 volts (The DLC3 is shorted between the TERMINALS TC and CG)
D–E1 : 7.5–14.0 volts (Ignition SW on and clutch pedal depressed)
0–1.5 volts (Ignition SW on and clutch pedal released)

○ : Parts Location

Code		See Page	Code		See Page	Code		See Page
A6		44 (*6)	E5	B	64 (*10)	J10	A	48 (LHD)
		64 (*10)	E9	A	47 (LHD)	J11	B	48 (LHD)
A11		44 (*6)			67 (RHD)	J12	A	48 (LHD)
		64 (*10)	E10	B	47 (LHD)			68 (RHD)
A13	A	46 (LHD)			67 (RHD)	J13	B	48 (LHD)
		66 (RHD)	E12	C	47 (LHD)			68 (RHD)
A15	B	46 (LHD)			67 (RHD)	J16		48 (LHD)
		66 (RHD)	E13	D	47 (LHD)			68 (RHD)
A20		46 (LHD)			67 (RHD)	J20	C	68 (RHD)
		66 (RHD)	F16		44 (*6)	J21	D	68 (RHD)
C1		44 (*6)			64 (*10)	J26	C	68 (RHD)
		64 (*10)	F18		44 (*6)	J27	D	68 (RHD)
C6		44 (*6)			64 (*10)	P3		45 (*6)
		64 (*10)	G1		44 (*6)			65 (*10)
C9		46 (LHD)			64 (*10)	S1		45 (*6)
		66 (RHD)	G2		44 (*6)			65 (*10)
C10	A	46 (LHD)			64 (*10)	S2		45 (*6)
		66 (RHD)	I5		45 (*6)			65 (*10)
C11	B	46 (LHD)			65 (*10)	S6		45 (*6)
		66 (RHD)	I6		45 (*6)			65 (*10)
D1		44 (*6)			65 (*10)	S13		49 (LHD)
		64 (*10)	I7		45 (*6)			69 (RHD)
D5		47 (LHD)			65 (*10)	T3		45 (*6)
		67 (RHD)	I8		45 (*6)			65 (*10)
E2		44 (*6)			65 (*10)	T5		45 (*6)
		64 (*10)	I9		45 (*6)			65 (*10)
E3		44 (*6)			65 (*10)	T8		49 (LHD)
		64 (*10)	I14		47 (LHD)			69 (RHD)
E4	A	44 (*6)			67 (RHD)	V4		45 (*6)
		64 (*10)	J8	A	48 (LHD)			65 (*10)
E5	B	44 (*6)	J9	B	48 (LHD)			

⬭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	25 (*2)	Engine Room R/B No.1 (Engine Compartment Left)
3	26	Engine Room R/B No.3 (Left Side of the Suspension Tower)
6	29	Fuse Block (Lower Finish Panel)

⬭ : Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	25 (*2)	Engine Wire and Engine Room J/B No.1 (Engine Compartment Left)
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CB		
CD		
CE		
CK	35	
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DC		

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EA1	84 (*6) 104 (*10)	Engine Wire and Engine No.5 Wire (Near the Starter)
EB1	84 (*6) 104 (*10)	Engine Wire and Engine No.6 Wire (Near the Starter)
EC1	84 (*6) 104 (*10)	Engine Wire and Engine No.4 Wire (Near the Starter)
EE1	84 (*6) 104 (*10)	Engine Wire and Engine Room Main Wire (Engine Compartment Left)
IC1	86 (LHD) 106 (RHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
IE1	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)
IE2	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)
IE3 IE8	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
IG2	88 (LHD)	Instrument Panel Wire and Switch Wire (Instrument Panel Brace LH)
IK1	88 (LHD) 108 (RHD)	Engine Wire and Instrument Panel Wire (Behind the Glove Box)
IO1	108 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel)
IR1	108 (RHD)	Instrument Panel Wire and Cowl Wire (Right Side of the Instrument Panel)

: Ground Points

Code	See Page	Ground Points Location
EC	84 (*6) 104 (*10)	Engine Compartment Left
EI	84 (*6) 104 (*10)	Near the Starter
IL	86 (LHD) 106 (RHD)	Behind the Combination Meter
IP	86 (LHD) 106 (RHD)	Right Kick Panel

: Splice Points

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E3	84 (*6) 104 (*10)	Engine Wire	I3 I4	108 (RHD)	Engine Wire
I3	88 (LHD)				

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

System Outline

This system utilizes an engine and ECT ECU (A/T) or engine ECU (M/T) and maintains overall control of the engine, transaxle and so on. An outline of the engine control is explained here.

1. Input Signals

(1) Water temp. signal circuit

The EFI water temp. sensor detects the engine coolant temp. and has a built–in thermistor with a resistance which varies according to the engine coolant temp. Thus the engine coolant temp. is input in the form of a control signal into TERMINAL THW of the engine and ECT ECU (A/T) or engine ECU (M/T).

(2) Intake air temp. signal circuit

The intake air temp. sensor is installed in the air flow meter and detects the intake air temp., which is input as a control signal into TERMINAL THA of the engine and ECT ECU (A/T) or engine ECU (M/T).

(3) Oxygen sensor signal circuit

The oxygen density in the exhaust emission is detected by the heated oxygen sensors and input as a control signal to TERMINALS OX1A and OX1B of the engine and ECT ECU (A/T) or engine ECU (M/T).

(4) RPM signal circuit

Camshaft position and crankshaft position air detected by the camshaft position sensor and crankshaft position sensor. Camshaft position is input as a control signal to TERMINAL G2 of the engine and ECT ECU (A/T) or engine ECU (M/T), and engine RPM is input into TERMINAL NE+.

(5) Throttle signal circuit

The throttle position sensor detects the throttle valve opening angle, which is input as a control signal into TERMINAL VTA of the engine and ECT ECU (A/T) or engine ECU (M/T).

(6) Vehicle speed signal circuit

The speed sensor, detects the vehicle speed and inputs a control signal to TERMINAL SPD of the engine and ECT ECU (A/T) or engine ECU (M/T).

(7) Battery signal circuit

Voltage is constantly applied to TERMINAL BATT of the engine and ECT ECU (A/T) or engine ECU (M/T). When the ignition SW is turned on, the voltage for engine and ECT ECU (A/T) or engine ECU (M/T) start–up power supply is applied to TERMINAL +B of engine and ECT ECU (A/T) or engine ECU (M/T) via EFI relay.

(8) Started signal circuit

To confirm whether the engine is cranking, the voltage applied to the starter motor during cranking is detected and the signal is input into TERMINAL STA of the engine and ECT ECU (A/T) or engine ECU (M/T) as a control signal.

(9) Engine knock signal circuit

Engine knocking is detected by knock sensor and the signal is input into TERMINAL FKN+ as a control signal.

2. Control System

∗ EFI system
The EFI system monitors the engine condition through the signals, which are input from each sensor to the engine and ECT ECU (A/T) or engine ECU (M/T). The best fuel injection volume is decided based on this data and the program memorized by the engine and ECT ECU (A/T) or engine ECU (M/T), and the control signal is output to TERMINALS #10, #20, #30 and #40 of the engine and ECT ECU (A/T) or engine ECU (M/T) to operate the injector. (Inject the fuel). The EFI system produces control of fuel injection operation by the engine and ECT ECU (A/T) or engine ECU (M/T) in response to the driving conditions.

∗ ESA system
The ESA system monitors the engine condition through the signals, which are input to the engine and ECT ECU (A/T) or engine ECU (M/T) from each sensor the best ignition timing is detected according to this data and the memorized data in the engine and ECT ECU (A/T) or engine ECU (M/T), and the control signal is output to TERMINALS IGT1, IGT2, IGT3 and IGT4. This signal controls the igniter to provide the best ignition timing for the driving conditions.

∗ ISC system
The ISC system (Rotary solenoid type) increases the RPM and provides idling stability for fast idle–up when the engine is cold and when the idle speed has dropped due to electrical load, etc. The engine and ECT ECU (A/T) or engine ECU (M/T) evaluates the signals from each sensor, outputs current to TERMINAL RSO, and controls the ISC valve.

∗ Fuel pump control system
The engine and ECT ECU (A/T) or engine ECU (M/T) operation outputs to TERMINAL FC and controls the circuit opening relay. Thus controls the fuel pump drive speed in response to conditions.

∗ Heated oxygen sensor heater control system
The heated oxygen sensor heater control system turns the heater on when the intake air volume is low (Temp. of exhaust emissions is low), and warms up the heated oxygen sensors to improve detection performance of the sensors. The engine and ECT ECU (A/T) or engine ECU (M/T) evaluates the signals from each sensor, and outputs current to TERMINALS HT1A and HT1B to control the heater

∗ VVT–i system
The system controls the position of the spool valve of the oil control valve according to the signals from the engine and ECT ECU (A/T) or engine ECU (M/T). In this manner, the hydraulic pressure to the advance side vane chamber and the retard side vane chamber of the VVT is controlled to vary the intake camshaft phase continuously.

3. Diagnosis System

With the diagnosis system, when there is a malfunctioning in the engine and ECT ECU (A/T) or engine ECU (M/T) signal system, the malfunction system is recorded in the memory. The malfunctioning system can then be found by reading the display (Code) of the malfunction indicator lamp.

4. Fail–Safe System

When a malfunction occurs in any system, if there is a possibility of engine trouble being caused by continued control based on the signals from that system, the fail–safe system either controls the system by using data (Standard values) recorded in the engine and ECT ECU (A/T) or engine ECU (M/T) memory or else stops the engine.

Service Hints

E9 (A), E12 (C), E13 (D) Engine and ECT ECU (A/T) or Engine ECU (M/T)

BATT–E1 : Always approx. 8.0–14.0 volts
+B–E1 : 8.0–14.0 volts (Ignition SW at ON position)
VC–E2 : Always 4.85–5.15 volts (Ignition SW at ON position)
VTA–E2 : 0.3–1.0 volts (Ignition SW on and accelerator pedal fully closed)
3.0–4.9 volts (Ignition SW on and accelerator pedal fully open)
THW–E2 : 0.2–1.0 volts (Engine idling and EFI water temp. 80˚C)
THA–E2 : 0.5–3.4 volts (Engine idling and intake air temp. 20˚C)
G2–NE– : Pulse generation (Engine idling)
NE+ –NE– : Pulse generation (Engine idling)
W–E1 : Below 3.0 volts (Ignition SW at ON position)
#10, #20, #30, #40–E01 : 9–14 volts (Ignition SW at ON position)
IGT1, IGT2, IGT3, IGT4–E1 : Pulse generation (Engine cranking or idling)

: Parts Location

Code		See Page
A6		42 (*5)
		62 (*9)
A11		42 (*5)
		62 (*9)
A13	A	46 (LHD)
		66 (RHD)
A15	B	46 (LHD)
		66 (RHD)
A27		46 (LHD)
		66 (RHD)
C1		42 (*5)
		62 (*9)
C2		42 (*5)
		62 (*9)
C6		42 (*5)
		62 (*9)
C8		46 (LHD)
		66 (RHD)
C10	A	46 (LHD)
		66 (RHD)
C11	B	46 (LHD)
		66 (RHD)
D5		47 (LHD)
		67 (RHD)
E2		42 (*5)
		62 (*9)
E9	A	47 (LHD)
		67 (RHD)
E10	B	47 (LHD)
		67 (RHD)
E12	C	47 (LHD)
		67 (RHD)
E13	D	47 (LHD)
		67 (RHD)
E15		47 (LHD)
		67 (RHD)
F25		50 (LHD S/D)
		52 (LHD L/B)
		54 (LHD W/G)
		70 (RHD S/D)
		72 (RHD L/B)
		74 (RHD W/G)
H7		42 (*5)
		62 (*9)
H17		47 (LHD)
		67 (RHD)
I1		43 (*5)
		63 (*9)
I2		43 (*5)
		63 (*9)
I3		43 (*5)
		63 (*9)
I4		43 (*5)
		63 (*9)
I5		43 (*5)
		63 (*9)
I6		43 (*5)
		63 (*9)
I7		43 (*5)
		63 (*9)
I8		43 (*5)
		63 (*9)
I10		43 (*5)
		63 (*9)
I14		47 (LHD)
		67 (RHD)
J8	A	48 (LHD)
J9	B	48 (LHD)
J10	A	48 (LHD)
J11	B	48 (LHD)
J12	A	48 (LHD)
		68 (RHD)
J13	B	48 (LHD)
		68 (RHD)
J16		48 (LHD)
		68 (RHD)
J20	C	68 (RHD)
J21	D	68 (RHD)
J26	C	68 (RHD)
J27	D	68 (RHD)
J30		51 (LHD S/D)
		53 (LHD L/B)
		55 (LHD W/G)
		71 (RHD S/D)
		73 (RHD L/B)
		75 (RHD W/G)
K1		43 (*5)
		63 (*9)
N1		43 (*5)
		63 (*9)
S2		43 (*5)
		63 (*9)
S13		49 (LHD)
		69 (RHD)
T2		43 (*5)
		63 (*9)
T8		49 (LHD)
		69 (RHD)
V5		43 (*5)
		63 (*9)

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	24 (*1)	Engine Room R/B No.1 (Engine Compartment Left)
4	27	Engine Room R/B No.4 (Left Side of the Suspension Tower)
6	29	Fuse Block (Lower Finish Panel)

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	24 (*1)	Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment Left)
4A	27	Engine Room Main Wire and Engine Room J/B No.4 (Left Side of the Suspension Tower)
4B		
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CB		
CD		
CK	35	
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DC		
DD		
DL	31	Engine Room Main Wire and Driver Side J/B (Left Side of the Instrument Panel)
DM	31	Floor Wire and Driver Side J/B (Left Side of the Instrument Panel)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EA1	82 (*5)	Engine Wire and Engine Room Main Wire (Left Side of the Suspension Tower)
	102 (*9)	
EB1	82 (*5)	Engine Wire and Engine No.4 Wire (Near the Alternator)
	102 (*9)	
IB1	86 (LHD)	Engine Room Main Wire and Floor Wire (Near the Driver Side J/B)
	106 (RHD)	
IC1	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	106 (RHD)	
IC2	86 (LHD)	
	106 (RHD)	
IC3	86 (LHD)	
	106 (RHD)	
IE1	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)
IE3	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
IH2	88 (LHD)	Floor No.3 Wire and Instrument Panel Wire (Instrument Panel Brace RH)
	106 (RHD)	
IK1	88 (LHD)	Engine Wire and Instrument Panel Wire (Behind the Glove Box)
	108 (RHD)	
IK2	88 (LHD)	
	108 (RHD)	
IO1	108 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel)
IR1	108 (RHD)	Instrument Panel Wire and Cowl Wire (Right Side of the Instrument Panel)

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

: Ground Points

Code	See Page	Ground Points Location
EC	82 (*5)	Engine Compartment Left
	102 (*9)	
EG	82 (*5)	Left Side of the Cylinder Head
	102 (*9)	
EH	82 (*5)	
	102 (*9)	
IO	86 (LHD)	Instrument Panel Reinforcement RH
IP	86 (LHD)	Right Kick Panel
	106 (RHD)	
BR	90 (LHD S/D)	Under the Left Center Pillar
	92 (LHD L/B)	
	94 (LHD W/G)	
	110 (RHD S/D)	
	112 (RHD L/B)	
	114 (RHD W/G)	

: Splice Points

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E2	82 (*5)	Engine Room Main Wire	I3	88 (LHD)	Engine Wire
	102 (*9)			108 (RHD)	
E3	82 (*5)	Engine Wire	I5	88 (LHD)	
	102 (*9)			108 (RHD)	

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

ECT and A/T Indicator (1AZ–FE)

System Outline

Previous automatic transaxle have selected each gear shift using mechanically controlled throttle hydraulic pressure, governor hydraulic pressure and lock–up hydraulic pressure. The ECT, however, electrically controls the line pressure, throttle pressure, lock–up pressure and accumulator pressure etc. through the solenoid valve. The ECT is a system which precisely controls gear shift timing and lock–up timing in response to the vehicle's driving conditions and the engine condition detected by various sensors. It makes smooth driving possible by shift selection for each gear which is the most appropriate to the driving conditions at that time, and by preventing downing, squat and gear shift shock when starting off.

1. Gear Shift Operation

When driving, the engine warm up condition is input as a signal to TERMINAL THW of the engine and ECT ECU from the EFI water temp. sensor and the vehicle speed signal is input to TERMINAL SPD of the engine and ECT ECU. At the same time, the throttle valve opening signal from the throttle position sensor is input to TERMINAL VTA1 of the engine and ECT ECU as throttle angle signal.
Based on these signals, the engine and ECT ECU selects the best shift position for the driving conditions and sends current to the ECT solenoid.

2. Lock–Up Operation

When each signal makes engine and ECT ECU recognize that LOCK–UP condition is satisfied, the current flows from engine and ECT ECU TERMINAL DSL to ECT solenoid TERMINAL DSL. At the same time, the current flows engine and ECT ECU TERMINAL SL1+ to ECT solenoid TERMINAL SL1+ and from TERMINAL SL1– to engine and ECT ECU TERMINAL SL1–. This works LOCK–UP solenoid to perform LOCK–UP operation.

3. Stop Light SW Circuit

If the brake pedal is depressed (Stop light SW on) when driving in lock–up condition, a signal is input to TERMINAL STP of the engine and ECT ECU. The engine and ECT ECU operates and cuts the current to the solenoid to release lock–up.

4. Sequential Shift Operation

With the sequential shift function, the manual shift lever becomes available by setting the shift lever to the S position, and the S and range display indicators appear in the combination meter. Any desired range can be selected by shifting up or down the shift lever.

Service Hints

E10 (B), E12 (C), E13 (D) Engine and ECT ECU (A/T)

R–E1 : 10.0–14.0 volts (Ignition SW on and shift lever at R position)
D–E1 : 10.0–14.0 volts (Ignition SW on and shift lever at D position)
THO–E2 : Below 1.0 volts (Ignition SW on and AFT temperature 110 ˚C (230 ˚F)
SLT+ –SLT–: 10.0–14.0 volts (Ignition SW on)

N1 Neutral Start SW

3–1 : Closed with shift lever in P position
3–2 : Closed with shift lever in R position
3–5 : Closed with shift lever in N position
3–7 : Closed with shift lever in D position

: Parts Location

Code		See Page	Code		See Page	Code		See Page
A13	A	46 (LHD)	E12	C	47 (LHD)	J22	A	68 (RHD)
		66 (RHD)			67 (RHD)	J23	B	68 (RHD)
A15	B	46 (LHD)	E13	D	47 (LHD)	J26	C	68 (RHD)
		66 (RHD)			67 (RHD)	J27	D	68 (RHD)
C5		40 (*4)	I14		47 (LHD)	J29	B	68 (RHD)
		60 (*8)			67 (RHD)	K2		48 (LHD)
C10	A	46 (LHD)	J5		48 (LHD)	N1		41 (*4)
		66 (RHD)	J8	A	48 (LHD)			61 (*8)
C11	B	46 (LHD)	J10	A	48 (LHD)	S2		41 (*4)
		66 (RHD)	J11	B	48 (LHD)			61 (*8)
D2		47 (LHD)	J12	A	48 (LHD)	S13		49 (LHD)
		67 (RHD)			68 (RHD)			69 (RHD)
E1		40 (*4)	J13	B	48 (LHD)	T2		41 (*4)
		60 (*8)			68 (RHD)			61 (*8)
E2		40 (*4)	J14		48 (LHD)	T4		41 (*4)
		60 (*8)	J15		68 (RHD)			61 (*8)
E9	A	47 (LHD)	J17		48 (LHD)	T7		49 (LHD)
		67 (RHD)			68 (RHD)			69 (RHD)
E10	B	47 (LHD)	J18	A	48 (LHD)			
		67 (RHD)	J20	C	68 (RHD)			

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	24 (*1)	Engine Room R/B No.1 (Engine Compartment Left)
4	27	Engine Room R/B No.4 (Left Side of the Suspension Tower)
6	29	Fuse Block (Lower Finish Panel)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	24 (*1)	Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment Left)
4A	27	Engine Room Main Wire and Engine Room J/B No.4 (Left Side of the Suspension Tower)
4B		
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CD		
CG	35	
CJ		
CK		
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DC		

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

ECT and A/T Indicator (1AZ–FE)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EA1	80 (*4)	Engine Wire and Engine Room Main Wire (Left Side of the Suspension Tower)
	100 (*8)	
IC1	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	106 (RHD)	
IE1	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)
IE2	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)
IE3	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
IG1	88 (LHD)	Instrument Panel Wire and Switch Wire (Instrument Panel Brace LH)
IK1	88 (LHD)	Engine Wire and Instrument Panel Wire (Behind the Glove Box)
	108 (RHD)	
IK2	88 (LHD)	
	108 (RHD)	
IO1	108 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel)
IR1	108 (RHD)	Instrument Panel Wire and Cowl Wire (Right Side of the Instrument Panel)

: Ground Points

Code	See Page	Ground Points Location
EC	80 (*4)	Engine Compartment Left
	100 (*8)	
EE	80 (*4)	Intake Side of Cylinder Block
	100 (*8)	
EF	80 (*4)	Left Side of the Cylinder Head
	100 (*8)	
IK	106 (RHD)	Behind the Combination Meter
IP	86 (LHD)	Right Kick Panel
	106 (RHD)	

: Splice Points

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E3	80 (*4)	Engine Wire	I3	108 (RHD)	Engine Wire

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

System Outline

Previous automatic transaxle have selected each gear shift using mechanically controlled throttle hydraulic pressure, governor hydraulic pressure and lock–up hydraulic pressure. The ECT, however, electrically controls the line pressure, throttle pressure, lock–up pressure and accumulator pressure etc. through the solenoid valve. The ECT is a system which precisely controls gear shift timing and lock–up timing in response to the vehicle's driving conditions and the engine condition detected by various sensors. It makes smooth driving possible by shift selection for each gear which is the most appropriate to the driving conditions at that time, and by preventing downing, squat and gear shift shock when starting off.

1. Gear Shift Operation

When driving, the engine warm up condition is input as a signal to TERMINAL THW of the engine and ECT ECU from the EFI water temp. sensor and the vehicle speed signal is input to TERMINAL SPD of the engine and ECT ECU. At the same time, the throttle valve opening signal from the throttle position sensor is input to TERMINAL VTA1 of the engine and ECT ECU as throttle angle signal.
Based on these signals, the engine and ECT ECU selects the best shift position for the driving conditions and sends current to the ECT solenoid.

2. Lock–Up Operation

When each signal makes engine and ECT ECU recognize that LOCK–UP condition is satisfied, the current flows from engine and ECT ECU TERMINAL DSL to ECT solenoid TERMINAL DSL. At the same time, the current flows engine and ECT ECU TERMINAL SL1+ to ECT solenoid TERMINAL SL1+ and from TERMINAL SL1– to engine and ECT ECU TERMINAL SL1–. This works LOCK–UP solenoid to perform LOCK–UP operation.

3. Stop Light SW Circuit

If the brake pedal is depressed (Stop light SW on) when driving in lock–up condition, a signal is input to TERMINAL STP of the engine and ECT ECU. The engine and ECT ECU operates and cuts the current to the solenoid to release lock–up.

4. Sequential Shift Operation

With the sequential shift function, the manual shift lever becomes available by setting the shift lever to the S position, and the S and range display indicators appear in the combination meter. Any desired range can be selected by shifting up or down the shift lever.

Service Hints

E10 (B), E11 (C), E12 (D), E13 (E) Engine and ECT ECU (A/T)

R–E1 : 10.0–14.0 volts (Ignition SW on and shift lever at R position)
D–E1 : 10.0–14.0 volts (Ignition SW on and shift lever at D position)
THO–E2 : Below 1.0 volts (Ignition SW on and AFT temperature 110 ˚C (230 ˚F)
SLT+ –SLT–: 10.0–14.0 volts (Ignition SW on)

N1 Neutral Start SW

3–1 : Closed with shift lever in P position
3–2 : Closed with shift lever in R position
3–5 : Closed with shift lever in N position
3–7 : Closed with shift lever in D position

ECT and A/T Indicator (1AZ–FSE)

: Parts Location

Code		See Page	Code		See Page	Code		See Page
A15		46 (LHD)	E12	D	47 (LHD)	J22	A	68 (RHD)
		66 (RHD)			67 (RHD)	J23	B	68 (RHD)
C5		38 (*3)	E13	E	47 (LHD)	J26	C	68 (RHD)
		58 (*7)			67 (RHD)	J27	D	68 (RHD)
C10	A	46 (LHD)	I14	A	47 (LHD)	J28	B	68 (RHD)
		66 (RHD)			67 (RHD)	K2		48 (LHD)
C11	B	46 (LHD)	J5		48 (LHD)	N1		39 (*3)
		66 (RHD)	J8	A	48 (LHD)			59 (*7)
E1		38 (*3)	J10	A	48 (LHD)	S1		39 (*3)
		58 (*7)	J11	B	48 (LHD)			59 (*7)
E2		38 (*3)	J12	A	48 (LHD)	S13		49 (LHD)
		58 (*7)			68 (RHD)			69 (RHD)
E8		47 (LHD)	J13	B	48 (LHD)	T1		39 (*3)
		67 (RHD)			68 (RHD)			59 (*7)
E9	A	47 (LHD)	J14	A	48 (LHD)	T4		39 (*3)
		67 (RHD)	J15		68 (RHD)			59 (*7)
E10	B	47 (LHD)	J17		48 (LHD)	T7		49 (LHD)
		67 (RHD)			68 (RHD)			69 (RHD)
E11	C	47 (LHD)	J19	B	68 (RHD)			
		67 (RHD)	J20	C	68 (RHD)			

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	24 (*1)	Engine Room R/B No.1 (Engine Compartment Left)
4	27	Engine Room R/B No.4 (Left Side of the Suspension Tower)
6	29	Fuse Block (Lower Finish Panel)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	24 (*1)	Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment Left)
4A	27	Engine Room Main Wire and Engine Room J/B No.4 (Left Side of the Suspension Tower)
4B		
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CC		
CD		
CF		
CG	35	
CH		
CJ		
CK		
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DC		

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC1	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	106 (RHD)	
IE1	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)
IE2	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)
IE3	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
IE4		
IG2	88 (LHD)	Instrument Panel Wire and Switch Wire (Instrument Panel Brace LH)
IK1	88 (LHD)	Engine Wire and Instrument Panel Wire (Behind the Glove Box)
	108 (RHD)	
IK2	88 (LHD)	
	108 (RHD)	
IO1	108 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel)
IP1	108 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Instrument Panel Reinforcement LH)
IR1	108 (RHD)	Instrument Panel Wire and Cowl Wire (Right Side of the Instrument Panel)

: Ground Points

Code	See Page	Ground Points Location
EC	78 (*3)	Engine Compartment Left
	98 (*7)	
EE	78 (*3)	Intake Side of Cylinder Block
	98 (*7)	
EF	78 (*3)	Left Side of the Cylinder Head
	98 (*7)	
IJ	86 (LHD)	Left Kick Panel
	106 (RHD)	
IK	106 (RHD)	Behind the Combination Meter
IP	86 (LHD)	Right Kick Panel
	106 (RHD)	

: Splice Points

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E3	78 (*3)	Engine Wire	I3	108 (RHD)	Engine Wire

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

System Outline

Engine and ECT ECU controls of the solenoid valve based on the input signals from each sensor which makes smooth driving possible by shift selection for each gear which is most appropriate to the driving conditions at that time.

1. Gear Shift Operation

When driving, the engine warm up condition is input as a signal to TERMINAL THW of the engine and ECT ECU from the EFI water temp. sensor and the vehicle speed signal is input to TERMINAL SPD of the engine and ECT ECU. At the same time, the throttle valve opening signal from the throttle position sensor is input to TERMINAL VTA of the engine and ECT ECU as throttle angle signal.
Based on these signals, the engine and ECT ECU selects the best shift position for the driving conditions and sends current to the ECT solenoid.

2. Stop Light SW Circuit

If the brake pedal is depressed (Stop light SW on) when driving in lock–up condition, a signal is input to TERMINAL STP of the engine and ECT ECU. The engine and ECT ECU operates and cuts the current to the solenoid to release lock–up.

3. Sequential Shift Operation

With the sequential shift function, the manual shift lever becomes available by setting the shift lever to the S position, and the S and range display indicators appear in the combination meter. Any desired range can be selected by shifting up or down the shift lever.

Service Hints

E10 (B), E12 (C) Engine and ECT ECU (A/T)

D–E1 : 8.0–14.0 volts (Ignition SW on and shift lever at D position)
R–E1 : 8.0–14.0 volts (Ignition SW on and shift lever at R position)

N1 Neutral Start SW

3–1 : Closed with shift lever in P position
3–2 : Closed with shift lever in R position
3–7 : Closed with shift lever in D position
3–5 : Closed with shift lever in N position

○ : Parts Location

Code		See Page	Code		See Page	Code		See Page
A13	A	46 (LHD)	E10	B	67 (RHD)	J20	C	68 (RHD)
		66 (RHD)	E12	C	47 (LHD)	J22	A	68 (RHD)
A15	B	46 (LHD)			67 (RHD)	J23	B	68 (RHD)
		66 (RHD)	E13	D	47 (LHD)	J26	C	68 (RHD)
C10	A	46 (LHD)			67 (RHD)	J27	D	68 (RHD)
		66 (RHD)	I14	A	47 (LHD)	J29	B	68 (RHD)
C11	B	46 (LHD)			67 (RHD)	K2		48 (LHD)
		66 (RHD)	J5		48 (LHD)	N1		43 (*5)
D2		47 (LHD)	J8	A	48 (LHD)			63 (*9)
		67 (RHD)	J10	A	48 (LHD)	S2		43 (*5)
E1		42 (*5)	J11	B	48 (LHD)			63 (*9)
		62 (*9)	J12	A	48 (LHD)	S13		49 (LHD)
E2		42 (*5)			68 (RHD)			69 (RHD)
		62 (*9)	J13	B	48 (LHD)	T2		43 (*5)
E8		47 (LHD)			68 (RHD)			63 (*9)
		67 (RHD)	J15		68 (RHD)	T4		43 (*5)
E9	A	47 (LHD)	J17		48 (LHD)			63 (*9)
		67 (RHD)			68 (RHD)	T7		49 (LHD)
E10	B	47 (LHD)	J18	A	48 (LHD)			69 (RHD)

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	24 (*1)	Engine Room R/B No.1 (Engine Compartment Left)
4	27	Engine Room R/B No.4 (Left Side of the Suspension Tower)
6	29	Fuse Block (Lower Finish Panel)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	24 (*1)	Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment Left)
4A	27	Engine Room Main Wire and Engine Room J/B No.4 (Left Side of the Suspension Tower)
4B		
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CC		
CD		
CF		
CG	35	
CH		
CJ		
CK		
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DC		

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EA1	82 (*5)	Engine Wire and Engine Room Main Wire (Left Side of the Suspension Tower)
	102 (*9)	
IC1	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	106 (RHD)	
IE1	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)
IE2	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)
IE3	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
IG1	88 (LHD)	Instrument Panel Wire and Switch Wire (Instrument Panel Brace LH)
IK1	88 (LHD)	Engine Wire and Instrument Panel Wire (Behind the Glove Box)
	108 (RHD)	
IK2	88 (LHD)	
	108 (RHD)	
IO1	108 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel)
IR1	108 (RHD)	Instrument Panel Wire and Cowl Wire (Right Side of the Instrument Panel)

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

: Ground Points

Code	See Page	Ground Points Location
EC	82 (*5)	Engine Compartment Left
	102 (*9)	
EG	82 (*5)	Left Side of the Cylinder Head
	102 (*9)	
EH	82 (*5)	
	102 (*9)	
IJ	86 (LHD)	Left Kick Panel
	106 (RHD)	
IK	106 (RHD)	Behind the Combination Meter
IP	86 (LHD)	Right Kick Panel
	106 (RHD)	

: Splice Points

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I3	88 (LHD)	Engine Wire	I3	108 (RHD)	Engine Wire

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

Service Hints

T8 Transponder Key Computer

1–Ground : Always approx. 12 volts
2–Ground : Approx. 12 volts with the ignition SW at ON position
14–Ground : Always continuity

U1 Unlock Warning SW

2–1 : Closed with the ignition key in cylinder

: Parts Location

Code	See Page	Code	See Page	Code	See Page
D5	47 (LHD)	E10	67 (RHD)	J16	68 (RHD)
	67 (RHD)	F19	47 (LHD)	J22 A	68 (RHD)
D9	50 (LHD S/D)		67 (RHD)	J23 B	68 (RHD)
	52 (LHD L/B)	I12	47 (LHD)	J26 B	68 (RHD)
	54 (LHD W/G)		67 (RHD)	T8	49 (LHD)
D10	70 (RHD S/D)	J8 A	48 (LHD)		69 (RHD)
	72 (RHD L/B)	J10 A	48 (LHD)	U1	49 (LHD)
	74 (RHD W/G)	J11 B	48 (LHD)		69 (RHD)
E10	47 (LHD)	J16	48 (LHD)		

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
6	29	Fuse Block (Lower Finish Panel)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CF		
CH	35	
CI		
CK		
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC2	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
IM1	108 (RHD)	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)

: Ground Points

Code	See Page	Ground Points Location
IL	86 (LHD)	Behind the Combination Meter
	106 (RHD)	
IO	86 (LHD)	Instrument Panel Reinforcement RH
IP	86 (LHD)	Right Kick Panel
	106 (RHD)	

EPS

System Outline

To reduce the driver's steering effort, assist current computed according to the torque sensor signal and vehicle speed signal is output to the motor. In case the system fails, to prohibit further assistance, the current to the EMPS relay and motor relay (Built in the EPS ECU) is shut off, and the warning light in the combination meter comes on.

Service Hints

E14 (A), E15 (B) EPS ECU

(B) 6–Ground : Approx. 12 volts with the ignition SW at ON position
(A) 2–Ground : Always continuity

: Parts Location

Code		See Page	Code		See Page	Code		See Page
C10	A	46 (LHD)	E12	C	67 (RHD)	J15		68 (RHD)
		66 (RHD)	E14	A	47 (LHD)	J16		48 (LHD)
C11	B	46 (LHD)			67 (RHD)	J17		68 (RHD)
		66 (RHD)	E15	B	47 (LHD)	J20	C	68 (RHD)
D5		47 (LHD)			67 (RHD)	J21	D	68 (RHD)
		67 (RHD)	J8	A	48 (LHD)	J26	C	68 (RHD)
E9	A	47 (LHD)	J9	B	48 (LHD)	J27	D	68 (RHD)
		67 (RHD)	J10	A	48 (LHD)	S2		43 (*5)
E12	C	47 (LHD)	J11	B	48 (LHD)			63 (*9)

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	24 (*1)	Engine Room R/B No.1 (Engine Compartment Left)
6	29	Fuse Block (Lower Finish Panel)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CD		
CK	35	
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IE1	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)
IK2	88 (LHD)	Engine Wire and Instrument Panel Wire (Behind the Glove Box)
	108 (RHD)	

: Ground Points

Code	See Page	Ground Points Location
IK	106 (RHD)	Behind the Combination Meter
IM	86 (LHD)	
	106 (RHD)	
IO	86 (LHD)	Instrument Panel Reinforcement RH
IP	86 (LHD)	Right Kick Panel
	106 (RHD)	

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

Service Hints

FR FOG Relay

5–3 : Closed with the light control SW at TAIL or HEAD position and the fog light SW at FRONT or REAR (w/ rear fog light) position

: Parts Location

Code		See Page	Code		See Page	Code		See Page
C10	A	46 (LHD)	F3		64 (*10)	J10	A	48 (LHD)
		66 (RHD)	F4		38 (*3)	J11	B	48 (LHD)
C11	B	46 (LHD)			40 (*4)	J26	C	68 (RHD)
		66 (RHD)			42 (*5)	J27	D	68 (RHD)
C12		46 (LHD)			44 (*6)	J30		51 (LHD S/D)
		66 (RHD)			58 (*7)			53 (LHD L/B)
F3		38 (*3)			62 (*9)			55 (LHD W/G)
		40 (*4)			64 (*10)			71 (RHD S/D)
		42 (*5)	J3	A	48 (LHD)			73 (RHD L/B)
		44 (*6)			68 (RHD)			75 (RHD W/G)
		58 (*7)	J4	B	48 (LHD)			
		62 (*9)			68 (RHD)			

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
3	26	Engine Room R/B No.3 (Left Side of the Suspension Tower)
5	28 (LHD)	Driver Side R/B (Left Side of the Instrument Panel)
	28 (RHD)	Driver Side R/B (Instrument Panel Reinforcement LH)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
4B	27	Engine Room Main Wire and Engine Room J/B No.4 (Left Side of the Suspension Tower)
4D		
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CG	35	
CK		
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DM	31	Floor Wire and Driver Side J/B (Left Side of the Instrument Panel)
DN	31	Engine Room Main Wire and Driver Side J/B (Left Side of the Instrument Panel)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
ED1	84 (*6)	Engine Wire and Engine Room Main Wire (Left Side of the Suspension Tower)
	104 (*10)	
IC2	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	106 (RHD)	

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

Front Fog Light

▽ : **Ground Points**

Code	See Page	Ground Points Location
EB	78 (*3)	Engine Compartment Right
	80 (*4)	
	82 (*5)	
	84 (*6)	
	98 (*7)	
	102 (*9)	
	104 (*10)	
EC	78 (*3)	Engine Compartment Left
	80 (*4)	
	82 (*5)	
	84 (*6)	
	98 (*7)	
	102 (*9)	
	104 (*10)	
IJ	86 (LHD)	Left Kick Panel
	106 (RHD)	
IL	86 (LHD)	Behind the Combination Meter
	106 (RHD)	
IO	86 (LHD)	Instrument Panel Reinforcement RH
IP	86 (LHD)	Right Kick Panel
	106 (RHD)	

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

Service Hints

F–HTR Relay

5–3 : Closed with the ignition SW at ON position

: Parts Location

Code	See Page	Code	See Page	Code	See Page
F15	44 (*6)	F15	64 (*10)		

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	25 (*2)	Engine Room R/B No.1 (Engine Compartment Left)
2	26	Engine Room R/B No.2 (Near the Radiator Fan)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
DL	31	Engine Room Main Wire and Driver Side J/B (Left Side of the Instrument Panel)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EE1	84 (*6) 104 (*10)	Engine Wire and Engine Room Main Wire (Engine Compartment Left)

: Ground Points

Code	See Page	Ground Points Location
EC	84 (*6) 104 (*10)	Engine Compartment Left
EI	84 (*6) 104 (*10)	Near the Starter

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

Service Hints

F24 Fuel Lid Opener SW

3–2 : Closed with fuel lid opener SW on

: Parts Location

Code	See Page	Code		See Page	Code		See Page
F23	50 (LHD S/D)	F24		72 (RHD L/B)	J31	B	55 (LHD W/G)
	52 (LHD L/B)			74 (RHD W/G)			71 (RHD S/D)
	54 (LHD W/G)	J30	A	51 (LHD S/D)			73 (RHD L/B)
	70 (RHD S/D)			53 (LHD L/B)			75 (RHD W/G)
	72 (RHD L/B)			55 (LHD W/G)	J32		51 (LHD S/D)
	74 (RHD W/G)			71 (RHD S/D)			53 (LHD L/B)
F24	50 (LHD S/D)			73 (RHD L/B)			55 (LHD W/G)
	52 (LHD L/B)			75 (RHD W/G)			71 (RHD S/D)
	54 (LHD W/G)	J31	B	51 (LHD S/D)			73 (RHD L/B)
	70 (RHD S/D)			53 (LHD L/B)			75 (RHD W/G)

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
6	29	Fuse Block (Lower Finish Panel)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA2	86 (LHD)	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
IC2	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	106 (RHD)	
IL2	108 (RHD)	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)

: Ground Points

Code	See Page	Ground Points Location
BS	90 (LHD S/D)	Lower Back Panel Left
	92 (LHD L/B)	
	94 (LHD W/G)	
	110 (RHD S/D)	
	112 (RHD L/B)	
	114 (RHD W/G)	

Front Wiper and Washer (w/o Auto Wiper System)

System Outline

With the ignition SW turned on, the current flows to TERMINAL 17 of the front wiper and washer SW, TERMINAL B of the front wiper motor and TERMINAL 2 of the front washer motor through the WIP fuse.

1. Low Speed Position

With the wiper SW turned to LO position, the current flows from TERMINAL 17 of the front wiper and washer SW to TERMINAL 7 to TERMINAL +1 of the front wiper motor to TERMINAL E to GROUND and causes to the wiper motor to run at low speed.

2. High Speed Position

With the wiper SW turned to HI position, the current flows from TERMINAL 17 of the front wiper and washer SW to TERMINAL 8 to TERMINAL +2 of the front wiper motor to TERMINAL E to GROUND and causes to the wiper motor to run at high speed.

3. INT Position

With the wiper SW turned to INT position, the relay operates and the current which is connected by relay function flows from TERMINAL 17 of the front wiper and washer SW to TERMINAL 2 to GROUND. This flow of current operates the intermittent circuit and the current flows from TERMINAL 17 of the front wiper and washer SW to TERMINAL 7 to TERMINAL +1 of the front wiper motor to TERMINAL E to GROUND and the functions.

The intermittent operation is controlled by the charge/discharge function of the condenser installed in the relay, and the intermittent time is controlled by a time control SW to change the charging time of the condenser.

4. Mist Position

With the wiper SW turned to MIST position, the current flows from TERMINAL 17 of the front wiper and washer SW to TERMINAL 7 to TERMINAL +1 of the front wiper motor to TERMINAL E to GROUND and causes to the front wiper motor to run at low speed.

5. Washer Continuous Operation

With the washer SW pulled to on, the current flows from the WIP fuse to TERMINAL 2 of the front washer motor to TERMINAL 1 to TERMINAL 11 of the front wiper and washer SW to TERMINAL 2 to GROUND and causes to the washer motor to run, and the window washer jet operates. This causes the current to flow to washer continuous operation circuit in TERMINAL 17 of the front wiper and washer SW to TERMINAL 7 to TERMINAL +1 of the front wiper motor to TERMINAL E to GROUND and the washer operates continuously.

Service Hints

C13 Combination SW

2–Ground : Always continuity
17–Ground : Approx. 12 volts with ignition SW at ON position
7–Ground : Approx. 12 volts with front wiper and washer SW at LO position
: Approx. 12 volts with front wiper and washer SW at MIST position
16–Ground : Approx. 12 volts with ignition SW on unless front wiper motor at STOP position
8–Ground : Approx. 12 volts with ignition SW on and front wiper and washer SW at HI position

F13 Front Wiper Motor

B–S : Closed unless front wiper motor at STOP position

○ : Parts Location

Code	See Page	Code	See Page	Code	See Page
C13	46 (LHD)	F13	42 (*5)	J1	63 (*9)
	66 (RHD)		44 (*6)		65 (*10)
F11	40 (*4)		60 (*8)	J2	41 (*4)
	42 (*5)		62 (*9)		43 (*5)
	44 (*6)		64 (*10)		45 (*6)
	60 (*8)	J1	41 (*4)		61 (*8)
	62 (*9)		43 (*5)		63 (*9)
	64 (*10)		45 (*6)		65 (*10)
F13	40 (*4)		61 (*8)		

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DL	31	Engine Room Main Wire and Driver Side J/B (Left Side of the Instrument Panel)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IE3	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
IO1	108 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel)

: Ground Points

Code	See Page	Ground Points Location
EC	80 (*4)	Engine Compartment Left
	82 (*5)	
	84 (*6)	
	100 (*8)	
	102 (*9)	
	104 (*10)	
ED	80 (*4)	Left Side of the Suspension Tower
	82 (*5)	
	84 (*6)	
	100 (*8)	
	102 (*9)	
	104 (*10)	
IL	86 (LHD)	Behind the Combination Meter
	106 (RHD)	
IO	86 (LHD)	Instrument Panel Reinforcement RH

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

Front Wiper and Washer (w/ Auto Wiper System)

System Outline

By turning the ignition SW to on, the wiper is controlled according to the position of the front wiper and washer SW.

Auto Wiper Operation

When the front wiper and washer SW is set to AUTO, the wiper relay is deactivated, operates at low speed, or operates at high speed based on the input signal from the rain sensor.
When the wiper signal is off and the washer SW is set to on, the wiper relay operates at low speed, irrespective of the signal output from the rain sensor.

Service Hints

C13 Combination SW

2–Ground : Always continuity
17–Ground : Approx. 12 volts with the ignition SW at ON position
7–Ground : Approx. 12 volts with the ignition SW on and the wiper and washer SW at LO position
16–Ground : Approx. 12 volts with the ignition SW on and unless the front wiper motor at STOP position
8–Ground : Approx. 12 volts with the ignition SW on and the front wiper and washer SW at HI position

F13 Front Wiper Motor

B–S : Closed unless the front wiper motor at STOP position

○ : Parts Location

Code	See Page	Code	See Page	Code		See Page
C13	46 (LHD)	F13	64 (*10)	J14		48 (LHD)
	66 (RHD)	J1	39 (*3)	J15		48 (LHD)
F11	38 (*3)		41 (*4)			68 (RHD)
	40 (*4)		43 (*5)	J24	A	68 (RHD)
	42 (*5)		45 (*6)	J25	B	68 (RHD)
	44 (*6)		59 (*7)	R12		51 (LHD S/D)
	58 (*7)		63 (*9)			53 (LHD L/B)
	62 (*9)		65 (*10)			55 (LHD W/G)
	64 (*10)	J2	39 (*3)			71 (RHD S/D)
F13	38 (*3)		41 (*4)			73 (RHD L/B)
	40 (*4)		43 (*5)			75 (RHD W/G)
	42 (*5)		45 (*6)	W2		49 (LHD)
	44 (*6)		59 (*7)			69 (RHD)
	58 (*7)		63 (*9)			
	62 (*9)		65 (*10)			

⬭ : Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DL	31	Engine Room Main Wire and Driver Side J/B (Left Side of the Instrument Panel)

▭ : Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
ID1	86 (LHD)	Instrument Panel Wire and Roof Wire (Left Side of the Instrument Panel)
	106 (RHD)	
IE3	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
IO1	108 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel)

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

▽ : **Ground Points**

Code	See Page	Ground Points Location
EC	78 (*3)	Engine Compartment Left
	80 (*4)	
	82 (*5)	
	84 (*6)	
	98 (*7)	
	102 (*9)	
	104 (*10)	
ED	78 (*3)	Left Side of the Suspension Tower
	80 (*4)	
	82 (*5)	
	84 (*6)	
	98 (*7)	
	102 (*9)	
	104 (*10)	
IK	86 (LHD)	Behind the Combination Meter
	106 (RHD)	
IL	86 (LHD)	
	106 (RHD)	
IO	86 (LHD)	Instrument Panel Reinforcement RH

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

Headlight Beam Level Control (w/o HID)

Service Hints

H1, H2 Headlight Beam Level Control Actuator LH, RH

3–Ground : Approx. 12 volts with the light control SW at TAIL or HEAD position
1–Ground : Always continuity

H15 Headlight Beam Level Control SW

1–Ground : Approx. 12 volts with the light control SW at TAIL or HEAD position
5–Ground : Always continuity

: Parts Location

Code	See Page	Code	See Page	Code	See Page
C12	46 (LHD)	H2	58 (*7)	J3 A	68 (RHD)
	66 (RHD)		62 (*9)	J4 B	48 (LHD)
H1	38 (*3)		64 (*10)		68 (RHD)
	40 (*4)	H15	47 (LHD)	J10 A	48 (LHD)
	42 (*5)		67 (RHD)	J26 B	68 (RHD)
	44 (*6)	J1	39 (*3)	J30	51 (LHD S/D)
	58 (*7)		41 (*4)		53 (LHD L/B)
	62 (*9)		43 (*5)		55 (LHD W/G)
	64 (*10)		45 (*6)		71 (RHD S/D)
H2	38 (*3)		59 (*7)		73 (RHD L/B)
	40 (*4)		63 (*9)		75 (RHD W/G)
	42 (*5)		65 (*10)		
	44 (*6)	J3 A	48 (LHD)		

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
3	26	Engine Room R/B No.3 (Left Side of the Suspension Tower)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
4B	27	Engine Room Main Wire and Engine Room J/B No.4 (Left Side of the Suspension Tower)
4D		
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CE		
CI	35	
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DL	31	Engine Room Main Wire and Driver Side J/B (Left Side of the Instrument Panel)
DM	31	Floor Wire and Driver Side J/B (Left Side of the Instrument Panel)
DN	31	Engine Room Main Wire and Driver Side J/B (Left Side of the Instrument Panel)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
ED1	84 (*6)	Engine Wire and Engine Room Main Wire (Left Side of the Suspension Tower)
	104 (*10)	
IC2	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	106 (RHD)	
IE1	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

▽ : **Ground Points**

Code	See Page	Ground Points Location
EC	78 (*3)	Engine Compartment Left
	80 (*4)	
	82 (*5)	
	84 (*6)	
	98 (*7)	
	102 (*9)	
	104 (*10)	
IL	86 (LHD)	Behind the Combination Meter
	106 (RHD)	
IO	86 (LHD)	Instrument Panel Reinforcement RH
IP	86 (LHD)	Right Kick Panel
	106 (RHD)	

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

Headlight Beam Level Control (w/ HID)

System Outline

This system automatically adjusts the optic axis of the headlights according to the posture of the car at rest to prevent glare to oncoming cars, and ensures the maximum irradiation range of the headlights.

Service Hints

H14 Headlight Beam Level Control ECU

IG–Ground : Approx. 12 volts with the ignition SW at ON position
GND–Ground : Always continuity

: Parts Location

Code		See Page	Code		See Page	Code		See Page
C10	A	46 (LHD)	H2		64 (*10)	J8	A	48 (LHD)
		66 (RHD)	H14		47 (LHD)	J10	A	48 (LHD)
C11	B	46 (LHD)			67 (RHD)	J11	B	48 (LHD)
		66 (RHD)	H18		47 (LHD)	J20	C	68 (RHD)
H1		38 (*3)			67 (RHD)	J21	D	68 (RHD)
		40 (*4)	H19		50 (LHD S/D)	J26	C	68 (RHD)
		42 (*5)			52 (LHD L/B)	J29		68 (RHD)
		44 (*6)			54 (LHD W/G)	S1	A	39 (*3)
		58 (*7)			70 (RHD S/D)			45 (*6)
		62 (*9)			72 (RHD L/B)			59 (*7)
		64 (*10)			74 (RHD W/G)			65 (*10)
H2		38 (*3)	J3	A	48 (LHD)	S2	B	41 (*4)
		40 (*4)			68 (RHD)			43 (*5)
		42 (*5)	J4	B	48 (LHD)			45 (*6)
		44 (*6)			68 (RHD)			63 (*9)
		58 (*7)	J6	A	48 (LHD)			65 (*10)
		62 (*9)	J7	B	48 (LHD)			

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	24 (*1)	Engine Room R/B No.1 (Engine Compartment Left)
	25 (*2)	
2	26	Engine Room R/B No.2 (Near the Radiator Fan)
6	29	Fuse Block (Lower Finish Panel)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CD		
CE		
CI	35	
CK		
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IE1	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)
IE6	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
IH1	88 (LHD)	Floor No.3 Wire and Instrument Panel Wire (Instrument Panel Brace RH)
	106 (RHD)	
IM1	88 (LHD)	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)
	108 (RHD)	
IO2	108 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel)

: Ground Points

Code	See Page	Ground Points Location
IP	86 (LHD)	Right Kick Panel
	106 (RHD)	

Service Hints

H3 Headlight Cleaner Control Relay

5–Ground : Always approx. 12 volts
1–Ground : Approx. 12 volts with the ignition SW at ON position
3–Ground : Always continuity

: Parts Location

Code	See Page	Code	See Page	Code	See Page
C12	46 (LHD)	H4	42 (*5)	J1	45 (*6)
H3	38 (*3)		44 (*6)	J3 A	48 (LHD
	40 (*4)	H16	47 (LHD)	J4 B	48 (LHD)
	42 (*5)	I14 A	47 (LHD)	J6 A	48 (LHD)
	44 (*6)	J1	39 (*3)	J7 B	48 (LHD)
H4	38 (*3)		41 (*4)		
	40 (*4)		43 (*5)		

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	24 (*1)	Engine Room R/B No.1 (Engine Compartment Left)
	25 (*2)	
2	26	Engine Room R/B No.2 (Near the Radiator Fan)
4	27	Engine Room R/B No.4 (Left Side of the Suspension Tower)
6	29	Fuse Block (Lower Finish Panel)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
CC	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CD		
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DL	31	Engine Room Main Wire and Driver Side J/B (Left Side of the Instrument Panel)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC2	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
IE1	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)

: Ground Points

Code	See Page	Ground Points Location
EB	78 (*3)	Engine Compartment Right
	80 (*4)	
	82 (*5)	
	84 (*6)	
IJ	86 (LHD)	Left Kick Panel
IL	86 (LHD)	Behind the Combination Meter
IO	86 (LHD)	Instrument Panel Reinforcement RH

: Splice Points

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E1	78 (*3)	Engine Room Main Wire	E1	82 (*5)	Engine Room Main Wire
	80 (*4)			84 (*6)	

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

Service Hints

H3 Headlight Cleaner Control Relay

1–Ground : Approx. 12 volts with the ignition SW at ON position

5–Ground : Always continuity

: Parts Location

Code	See Page	Code	See Page	Code	See Page
C12	46 (LHD)	H4	38 (*3)	J1	63 (*9)
	66 (RHD)		40 (*4)		65 (*10)
F11	38 (*3)		42 (*5)	J2	39 (*3)
	40 (*4)		44 (*6)		41 (*4)
	42 (*5)		58 (*7)		43 (*5)
	44 (*6)		62 (*9)		45 (*6)
	58 (*7)		64 (*10)		59 (*7)
	62 (*9)	H16	47 (LHD)		63 (*9)
	64 (*10)		67 (RHD)		65 (*10)
H3	38 (*3)	I14 A	47 (LHD)	J3 A	48 (LHD)
	40 (*4)		67 (RHD)		68 (RHD)
	42 (*5)	J1	39 (*3)	J4 B	48 (LHD)
	44 (*6)		41 (*4)		68 (RHD)
	58 (*7)		43 (*5)	J6 A	48 (LHD)
	62 (*9)		45 (*6)	J7 B	48 (LHD)
	64 (*10)		59 (*7)	J29	68 (RHD)

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	24 (*1)	Engine Room R/B No.1 (Engine Compartment Left)
	25 (*2)	
2	26	Engine Room R/B No.2 (Near the Radiator Fan)
4	27	Engine Room R/B No.4 (Left Side of the Suspension Tower)
6	29	Fuse Block (Lower Finish Panel)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
CC	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CD		
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DL	31	Engine Room Main Wire and Driver Side J/B (Left Side of the Instrument Panel)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC2	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
IE1	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

Headlight Cleaner (w/ HID)

▽ : **Ground Points**

Code	See Page	Ground Points Location
EB	78 (*3)	Engine Compartment Right
	80 (*4)	
	82 (*5)	
	84 (*6)	
	98 (*7)	
	102 (*9)	
	104 (*10)	
IJ	86 (LHD)	Left Kick Panel
	106 (RHD)	
IL	86 (LHD)	Behind the Combination Meter
	106 (RHD)	
IO	86 (LHD)	Instrument Panel Reinforcement RH

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

Service Hints

A13 (A), A14 (B) A/C Control Assembly

(A)40, (B) 1–Ground : Always continuity
(A) 1, (A) 35, (B) 2, (B) 3–Ground : Approx. 12 volts with the ignition SW at ON position
(A) 2–Ground : Always approx. 12 volts

: Parts Location

Code		See Page	Code	See Page	Code	See Page
A13	A	46 (LHD)	A25	66 (RHD)	I14	47 (LHD)
		66 (RHD)	B4	46 (LHD)		67 (RHD)
A14	B	46 (LHD)		66 (RHD)	J15	48 (LHD)
		66 (RHD)	B6	46 (LHD)		68 (RHD)
A21		46 (LHD)		66 (RHD)	J17	48 (LHD)
		66 (RHD)	C10	46 (LHD)		68 (RHD)
A22		46 (LHD)		66 (RHD)	J26	68 (RHD)
		66 (RHD)	E9	47 (LHD)	J28	68 (RHD)
A25		46 (LHD)		67 (RHD)		

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	24 (*1)	Engine Room R/B No.1 (Engine Compartment Left)
	25 (*2)	
6	29	Fuse Block (Lower Finish Panel)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CB		
CC		
CE		
CF		
CG	35	
CK		
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DC		
DF		
DP	31	Engine Room Main Wire and Driver Side J/B (Left Side of the Instrument Panel)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC1	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	106 (RHD)	
IJ1	88 (LHD)	Instrument Panel Wire and A/C Sub Wire No.2 (Left Side of the A/C Unit)
	108 (RHD)	Instrument Panel Wire and A/C Sub Wire No.2 (Right Side of the A/C Unit)

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

▽ : **Ground Points**

Code	See Page	Ground Points Location
IJ	86 (LHD) 106 (RHD)	Left Kick Panel
IK	86 (LHD) 106 (RHD)	Behind the Combination Meter
IP	86 (LHD) 106 (RHD)	Right Kick Panel

⬡ : **Splice Points**

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I6	88 (LHD)	Instrument Panel Wire	I6	108 (RHD)	Instrument Panel Wire

Headlight (w/o Daytime Running Light)

Service Hints

C12 Combination SW

13–16 : Closed with the light control SW at HEAD position
8–16 : Closed with the dimmer SW at FLASH position
7–16 : Closed with the dimmer SW at HIGH or FLASH position

: Parts Location

Code		See Page
C10	A	46 (LHD)
		66 (RHD)
C11	B	46 (LHD)
		66 (RHD)
C12		46 (LHD)
		66 (RHD)
F7		38 (*3)
		40 (*4)
		42 (*5)
		44 (*6)
		58 (*7)
		62 (*9)
		64 (*10)
F8		38 (*3)
		40 (*4)
		42 (*5)
		44 (*6)
		58 (*7)
		60 (*8)
		62 (*9)
		64 (*10)
F9		38 (*3)
F9		40 (*4)
		42 (*5)
		44 (*6)
		58 (*7)
		62 (*9)
		64 (*10)
F10		38 (*3)
		40 (*4)
		42 (*5)
		44 (*6)
		58 (*7)
		60 (*8)
		62 (*9)
		64 (*10)
H5		38 (*3)
		40 (*4)
		42 (*5)
		44 (*6)
		58 (*7)
		60 (*8)
		62 (*9)
		64 (*10)
H6		38 (*3)
		40 (*4)
		42 (*5)
		44 (*6)
		58 (*7)
		60 (*8)
		62 (*9)
		64 (*10)
J2		39 (*3)
		41 (*4)
		43 (*5)
		45 (*6)
		59 (*7)
		61 (*8)
		63 (*9)
		65 (*10)
J3	A	48 (LHD)
		68 (RHD)
J4	B	48 (LHD)
		68 (RHD)
J7	A	48 (LHD)
J29	B	68 (RHD)

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	24 (*1)	Engine Room R/B No.1 (Engine Compartment Left)
	25 (*2)	
2	26	Engine Room R/B No.2 (Near the Radiator Fan)

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

: Ground Points

Code	See Page	Ground Points Location
EA	78 (*3)	Engine Compartment Right
	80 (*4)	
	82 (*5)	
	84 (*6)	
	98 (*7)	
	100 (*8)	
	102 (*9)	
	104 (*10)	
EB	78 (*3)	
	80 (*4)	
	82 (*5)	
	84 (*6)	
	98 (*7)	
	100 (*8)	
	102 (*9)	
	104 (*10)	
EC	78 (*3)	Engine Compartment Left
	80 (*4)	
	82 (*5)	
	84 (*6)	
	98 (*7)	
	100 (*8)	
	102 (*9)	
	104 (*10)	
ED	78 (*3)	Left Side of the Suspension Tower
	80 (*4)	
	82 (*5)	
	84 (*6)	
	98 (*7)	
	100 (*8)	
	102 (*9)	
	104 (*10)	
IL	86 (LHD)	Behind the Combination Meter
	106 (RHD)	
IO	86 (LHD)	Instrument Panel Reinforcement RH

: Splice Points

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E1	78 (*3)	Engine Room Main Wire	E1	98 (*7)	Engine Room Main Wire
	80 (*4)			100 (*8)	
	82 (*5)			102 (*9)	
	84 (*6)			104 (*10)	

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

Headlight (w/ Daytime Running Light)

System Outline

When the ignition SW is ON and a signal is input from the alternator, if the light control SW is OFF, the daytime running light system operates.
When any of the following conditions are met, the daytime running light is canceled.
* Ignition SW is turned OFF from ON.
* Light control SW is turned to TAIL or HEAD position

Service Hints

I14 (A) Integration Relay

18–Ground : Continuity with the light control SW at HEAD position
(A) 2–Ground : Always approx. 12 volts

C12 Combination SW

13–16 : Closed with the light control SW at HEAD position
7–16 : Closed with the dimmer SW at HIGH or FLASH position
8–16 : Closed with the dimmer SW at FLASH position

○ : Parts Location

Code		See Page	Code	See Page	Code		See Page
A11		38 (*3)	F8	38 (*3)	I14	A	47 (LHD)
		42 (*5)		42 (*5)	J2		39 (*3)
		44 (*6)		44 (*6)			43 (*5)
A13	A	46 (LHD)	F9	38 (*3)			45 (*6)
A15	B	46 (LHD)		42 (*5)	J3	A	48 (LHD)
C10	A	46 (LHD)		44 (*6)	J4	B	48 (LHD)
C11	B	46 (LHD)	F10	38 (*3)	J6	A	48 (LHD)
C12		46 (LHD)		42 (*5)	J7	B	48 (LHD)
E9	A	47 (LHD)		44 (*6)	J8	A	48 (LHD)
E10	B	47 (LHD)	H5	38 (*3)	J9	B	48 (LHD)
E11	C	47 (LHD)		42 (*5)	J10	A	48 (LHD)
E12	D	47 (LHD)		44 (*6)	J11	B	48 (LHD)
F7		38 (*3)	H6	38 (*3)	J16		48 (LHD)
		42 (*5)		42 (*5)			
		44 (*6)		44 (*6)			

▭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	24 (*1)	Engine Room R/B No.1 (Engine Compartment Left)
	25 (*2)	
2	26	Engine Room R/B No.2 (Near the Radiator Fan)
3	26	Engine Room R/B No.3 (Left Side of the Suspension Tower)
6	29	Fuse Block (Lower Finish Panel)

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
4B	27	Engine Room Main Wire and Engine Room J/B No.4 (Left Side of the Suspension Tower)
4D		
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CC		
CD		
CK	35	
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DJ		
DN	31	Engine Room Main Wire and Driver Side J/B (Left Side of the Instrument Panel)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
ED1	84 (*6)	Engine Wire and Engine Room Main Wire (Left Side of the Suspension Tower)
IB1	86 (LHD)	Engine Room Main Wire and Floor Wire (Near the Driver Side J/B)
IC1	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
IC2		
IC3		
IK1	88 (LHD)	Engine Wire and Instrument Panel Wire (Behind the Glove Box)

: Ground Points

Code	See Page	Ground Points Location
EB	78 (*3)	Engine Compartment Right
	82 (*5)	
	84 (*6)	
EC	78 (*3)	Engine Compartment Left
	82 (*5)	
	84 (*6)	
IJ	86 (LHD)	Left Kick Panel
IL	86 (LHD)	Behind the Combination Meter
IO	86 (LHD)	Instrument Panel Reinforcement RH
IP	86 (LHD)	Right Kick Panel

: Splice Points

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E1	78 (*3)	Engine Room Main Wire	E1	84 (*6)	Engine Room Main Wire
	82 (*5)				

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

Service Hints

HORN Relay

5–3 : Closed with the horn SW at on

: Parts Location

Code	See Page	Code	See Page	Code		See Page
C14	46 (LHD)	H11	60 (*8)	H12		58 (*7)
	66 (RHD)		62 (*9)			60 (*8)
H11	38 (*3)		64 (*10)			62 (*9)
	40 (*4)	H12	38 (*3)			64 (*10)
	42 (*5)		40 (*4)	J26	A	68 (RHD)
	44 (*6)		42 (*5)	J27	B	68 (RHD)
	58 (*7)		44 (*6)			

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	24 (*1)	Engine Room R/B No.1 (Engine Compartment Left)
	25 (*2)	
2	26	Engine Room R/B No.2 (Near the Radiator Fan)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IE1	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

I GROUND POINT

: Parts Location

Code		See Page	Code		See Page	Code		See Page
J2		39 (*3)	J30	A	51 (LHD S/D)	J33	A	53 (LHD L/B)
		41 (*4)			53 (LHD L/B)			55 (LHD W/G)
		43 (*5)			55 (LHD W/G)			73 (RHD L/B)
		45 (*6)			71 (RHD S/D)			75 (RHD W/G)
		59 (*7)			73 (RHD L/B)	J34	B	53 (LHD L/B)
		61 (*8)			75 (RHD W/G)			55 (LHD W/G)
		63 (*9)	J31	B	51 (LHD S/D)			73 (RHD L/B)
		65 (*10)			53 (LHD L/B)			75 (RHD W/G)
J12	A	48 (LHD)			55 (LHD W/G)	J35	A	56 (LHD)
		68 (RHD)			71 (RHD S/D)			76 (RHD)
J13	B	48 (LHD)			73 (RHD L/B)	J36	B	56 (LHD)
		68 (RHD)			75 (RHD W/G)			76 (RHD)
J15		48 (LHD)	J32		51 (LHD S/D)	J37	A	56 (LHD)
		68 (RHD)			53 (LHD L/B)			76 (RHD)
J16		48 (LHD)			55 (LHD W/G)	J38	B	56 (LHD)
		68 (RHD)			71 (RHD S/D)			76 (RHD)
J17		48 (LHD)			73 (RHD L/B)			
		68 (RHD)			75 (RHD W/G)			

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	24 (*1)	Engine Room R/B No.1 (Engine Compartment Left)
	25 (*2)	
2	26	Engine Room R/B No.2 (Near the Radiator Fan)
3	26	Engine Room R/B No.3 (Left Side of the Suspension Tower)
4	27	Engine Room R/B No.4 (Left Side of the Suspension Tower)
5	28 (LHD)	Driver Side R/B (Left Side of the Instrument Panel)
	28 (RHD)	Driver Side R/B (Instrument Panel Reinforcement LH)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CB		
CD		
CE		
CF		
CG	35	
CH		
CI		
CJ		
CK		
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DD		
DF		
DJ		
DK	31	Roof Wire and Driver Side J/B (Left Side of the Instrument Panel)
DP	31	Engine Room Main Wire and Driver Side J/B (Left Side of the Instrument Panel)

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

: **Connector Joining Wire Harness and Wire Harness**

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	86 (LHD)	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
	106 (RHD)	
IG1	88 (LHD)	Instrument Panel Wire and Switch Wire (Instrument Panel Brace LH)
IG2		
II1	88 (LHD)	Instrument Panel Wire and Instrument Panel No.3 Wire (Under the Console Box)
	108 (RHD)	
IJ1	88 (LHD)	Instrument Panel Wire and A/C Sub Wire No.2 (Left Side of the A/C Unit)
	108 (RHD)	Instrument Panel Wire and A/C Sub Wire No.2 (Right Side of the A/C Unit)
IJ2	88 (LHD)	Instrument Panel Wire and A/C Sub Wire No.2 (Left Side of the A/C Unit)
	108 (RHD)	Instrument Panel Wire and A/C Sub Wire No.2 (Right Side of the A/C Unit)
IK2	88 (LHD)	Engine Wire and Instrument Panel Wire (Behind the Glove Box)
	108 (RHD)	
IL1	88 (LHD)	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
	108 (RHD)	
BA1	90 (LHD S/D)	Rear Door No.2 Wire and Floor Wire (Under the Left Center Pillar)
	92 (LHD L/B)	
	94 (LHD W/G)	
	110 (RHD S/D)	
	112 (RHD L/B)	
	114 (RHD W/G)	
BB1	90 (LHD S/D)	Roof Wire and Roof No.2 Wire (Near the Personal Light)
	92 (LHD L/B)	
	94 (LHD W/G)	
	110 (RHD S/D)	
	112 (RHD L/B)	
	114 (RHD W/G)	
BC1	90 (LHD S/D)	Rear Door No.1 Wire and Floor No.2 Wire (Under the Right Center Pillar)
	92 (LHD L/B)	
	94 (LHD W/G)	
	110 (RHD S/D)	
	112 (RHD L/B)	
	114 (RHD W/G)	
BD1	92 (LHD L/B)	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
	112 (RHD L/B)	
BE1	92 (LHD L/B)	Back Door No.2 Wire and Back Door No.1 Wire (Back Door Upper Left)
	112 (RHD L/B)	
BF1	94 (LHD W/G)	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
	114 (RHD W/G)	
BG1	94 (LHD W/G)	Back Door No.1 Wire and Back Door No.2 Wire (Back Door Left)
	114 (RHD W/G)	

I GROUND POINT

▽ : **Ground Points**

Code	See Page	Ground Points Location
EA	78 (*3)	Engine Compartment Right
	80 (*4)	
	82 (*5)	
	84 (*6)	
	98 (*7)	
	100 (*8)	
	102 (*9)	
	104 (*10)	
EB	78 (*3)	
	80 (*4)	
	82 (*5)	
	84 (*6)	
	98 (*7)	
	100 (*8)	
	102 (*9)	
	104 (*10)	
EC	78 (*3)	Engine Compartment Left
	80 (*4)	
	82 (*5)	
	84 (*6)	
	98 (*7)	
	100 (*8)	
	102 (*9)	
	104 (*10)	
ED	78 (*3)	Left Side of the Suspension Tower
	80 (*4)	
	82 (*5)	
	84 (*6)	
	98 (*7)	
	100 (*8)	
	102 (*9)	
	104 (*10)	
EE	78 (*3)	Intake Side of Cylinder Block
	80 (*4)	
	98 (*7)	
	100 (*8)	
EF	78 (*3)	Left Side of the Cylinder Head
	80 (*4)	
	98 (*7)	
	100 (*8)	
EG	82 (*5)	
	102 (*9)	
EH	82 (*5)	
	102 (*9)	
EI	84 (*6)	Near the Starter
	104 (*10)	
IJ	86 (LHD)	Left Kick Panel
	106 (RHD)	
IK	86 (LHD)	Behind the Combination Meter
	106 (RHD)	

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

▽ : **Ground Points**

Code	See Page	Ground Points Location
IL	86 (LHD)	Behind the Combination Meter
	106 (RHD)	
IM	86 (LHD)	
	106 (RHD)	
IN	86 (LHD)	Instrument Panel Reinforcement Center
	106 (RHD)	
IO	86 (LHD)	Instrument Panel Reinforcement RH
IP	86 (LHD)	Right Kick Panel
	106 (RHD)	
BQ	90 (LHD S/D)	Under the Left Center Pillar
	92 (LHD L/B)	
	94 (LHD W/G)	
	110 (RHD S/D)	
	112 (RHD L/B)	
	114 (RHD W/G)	
BR	90 (LHD S/D)	
	92 (LHD L/B)	
	94 (LHD W/G)	
	110 (RHD S/D)	
	112 (RHD L/B)	
	114 (RHD W/G)	
BS	90 (LHD S/D)	Lower Back Panel Left
	92 (LHD L/B)	
	94 (LHD W/G)	
	110 (RHD S/D)	
	112 (RHD L/B)	
	114 (RHD W/G)	
BT	90 (LHD S/D)	Lower Back Panel Center
	92 (LHD L/B)	
	94 (LHD W/G)	Lower Back Panel Right
	110 (RHD S/D)	Lower Back Panel Center
	112 (RHD L/B)	
	114 (RHD W/G)	Lower Back Panel Right
BU	90 (LHD S/D)	Under the Right Center Pillar
	92 (LHD L/B)	
	94 (LHD W/G)	
	110 (RHD S/D)	
	112 (RHD L/B)	
	114 (RHD W/G)	
BV	90 (LHD S/D)	
	92 (LHD L/B)	
	94 (LHD W/G)	
	110 (RHD S/D)	
	112 (RHD L/B)	
	114 (RHD W/G)	
BW	90 (LHD S/D)	Right Quarter Panel
	110 (RHD S/D)	
BX	92 (LHD L/B)	Right Side of the Back Door
	94 (LHD W/G)	
	112 (RHD L/B)	
	114 (RHD W/G)	

I GROUND POINT

: **Splice Points**

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E1	78 (*3)	Engine Room Main Wire	B1	94 (LHD W/G)	Front Door LH Wire
	80 (*4)			110 (RHD S/D)	
	82 (*5)			112 (RHD L/B)	
	84 (*6)			114 (RHD W/G)	
	98 (*7)		B2	90 (LHD S/D)	Rear Door No.2 Wire
	100 (*8)			92 (LHD L/B)	
	102 (*9)			94 (LHD W/G)	
	104 (*10)			110 (RHD S/D)	
E2	78 (*3)			112 (RHD L/B)	
	80 (*4)			114 (RHD W/G)	
	82 (*5)		B5	90 (LHD S/D)	Roof Wire
	84 (*6)			92 (LHD L/B)	
	98 (*7)			94 (LHD W/G)	
	100 (*8)			110 (RHD S/D)	
	102 (*9)			112 (RHD L/B)	
	104 (*10)			114 (RHD W/G)	
E3	78 (*3)	Engine Wire	B7	90 (LHD S/D)	Front Door RH Wire
E4	78 (*3)			92 (LHD L/B)	
	80 (*4)			94 (LHD W/G)	
	82 (*5)			110 (RHD S/D)	
	98 (*7)			112 (RHD L/B)	
	100 (*8)			114 (RHD W/G)	
	102 (*9)		B8	90 (LHD S/D)	Rear Door No.1 Wire
E5	78 (*3)			92 (LHD L/B)	
I3	88 (LHD)			94 (LHD W/G)	
	108 (RHD)			110 (RHD S/D)	
B1	90 (LHD S/D)	Front Door LH Wire		112 (RHD L/B)	
	92 (LHD L/B)			114 (RHD W/G)	

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

Service Hints

C12 Combination SW

14–16 : Closed with the light control SW at TAIL or HEAD position

○ : Parts Location

Code		See Page	Code		See Page	Code		See Page
A13	A	46 (LHD)	H15		67 (RHD)	J32		51 (LHD S/D)
		66 (RHD)	H16		47 (LHD)			53 (LHD L/B)
A16	B	46 (LHD)			67 (RHD)			55 (LHD W/G)
		66 (RHD)	J8	A	48 (LHD)	M1		48 (LHD)
C7		46 (LHD)	J9	B	48 (LHD)			68 (RHD)
		66 (RHD)	J10	A	48 (LHD)	P5		49 (LHD)
C10	A	46 (LHD)	J11	B	48 (LHD)			69 (RHD)
		66 (RHD)	J15		48 (LHD)	P8		51 (LHD S/D)
C11	B	46 (LHD)			68 (RHD)			53 (LHD L/B)
		66 (RHD)	J16		48 (LHD)			55 (LHD W/G)
C12		46 (LHD)			68 (RHD)			71 (RHD S/D)
		66 (RHD)	J17		48 (LHD)			73 (RHD L/B)
C14		46 (LHD)			68 (RHD)			75 (RHD W/G)
		66 (RHD)	J19		68 (RHD)	R4	A	49 (LHD)
E8		47 (LHD)	J26	C	68 (RHD)			69 (RHD)
		67 (RHD)	J30	A	51 (LHD S/D)	R7	D	49 (LHD)
F19		47 (LHD)			53 (LHD L/B)			69 (RHD)
		67 (RHD)			55 (LHD W/G)	R11		49 (LHD)
F20		47 (LHD)			71 (RHD S/D)			69 (RHD)
G3		47 (LHD)			73 (RHD L/B)	S7		49 (LHD)
		67 (RHD)			75 (RHD W/G)	T7		49 (LHD)
H13		47 (LHD)	J31	B	51 (LHD S/D)			69 (RHD)
		67 (RHD)			53 (LHD L/B)	T9		49 (LHD)
H15		47 (LHD)			55 (LHD W/G)			69 (RHD)

⬭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
3	26	Engine Room R/B No.3 (Left Side of the Suspension Tower)
6	29	Fuse Block (Lower Finish Panel)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
4B	27	Engine Room Main Wire and Engine Room J/B No.4 (Left Side of the Suspension Tower)
4D		
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CD		
CE		
CF		
CG	35	
CH		
CI		
CJ		
CK		
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DJ		
DK	31	Roof Wire and Driver Side J/B (Left Side of the Instrument Panel)
DM	31	Floor Wire and Driver Side J/B (Left Side of the Instrument Panel)
DN	31	Engine Room Main Wire and Driver Side J/B (Left Side of the Instrument Panel)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
ED1	84 (*6)	Engine Wire and Engine Room Main Wire (Left Side of the Suspension Tower)
	104 (*10)	
IC1	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
IC2	86 (LHD)	
	106 (RHD)	
ID1	86 (LHD)	Instrument Panel Wire and Roof Wire (Left Side of the Instrument Panel)
	106 (RHD)	

: Ground Points

Code	See Page	Ground Points Location
IJ	86 (LHD)	Left Kick Panel
	106 (RHD)	
IK	86 (LHD)	Behind the Combination Meter
	106 (RHD)	
IL	86 (LHD)	
	106 (RHD)	
IN	86 (LHD)	Instrument Panel Reinforcement Center
	106 (RHD)	
IO	86 (LHD)	Instrument Panel Reinforcement RH
IP	86 (LHD)	Right Kick Panel
	106 (RHD)	
BS	90 (LHD S/D)	Lower Back Panel Left
	92 (LHD L/B)	
	94 (LHD W/G)	

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

Interior Light (LHD)

System Outline

Illuminated Entry System

1. Light on Condition

The light comes on when either of the following conditions is met:

- When any of the doors is open (Except the luggage compartment door (S/D) or back door (L/B, W/G)).
- When all doors are closed and the ignition SW is set to OFF.

2. Light off Condition

The light gradually goes off when any of the following conditions is met (The dome light must be turned on):

- When the ignition SW is kept in the ON position for more than approximately 12 to 18 seconds after all doors are closed.
- When all doors are closed and the driver's and front passenger's side doors are locked.
- When all doors are closed and the ignition SW is set to ACC or ON.

Service Hints

D9, D10, D11, D12 Door Courtesy SW Front LH, RH, Rear LH, RH

1–Ground : Continuity with the door open

Integration Relay

1–Ground : Always approx. 12 volts
23–Ground : Always approx. 12 volts
22–Ground : Approx. 12 volts with the ignition SW at ON position
25–Ground : Always continuity

○ : Parts Location

Code		See Page	Code		See Page	Code		See Page
A13	A	46 (LHD)	D11		52 (LHD L/B)	J31	B	51 (LHD S/D)
A15	B	46 (LHD)			54 (LHD W/G)	J32		51 (LHD S/D)
B7		52 (LHD L/B)	D12		50 (LHD S/D)			53 (LHD L/B)
		54 (LHD W/G)			52 (LHD L/B)			55 (LHD W/G)
C10	A	46 (LHD)			54 (LHD W/G)	J34		53 (LHD L/B)
C11	B	46 (LHD)	E9	A	47 (LHD)			55 (LHD W/G)
D3		47 (LHD)	E10	B	47 (LHD)	L3		51 (LHD S/D)
D7		50 (LHD S/D)	I11	A	47 (LHD)	L5		51 (LHD S/D)
		52 (LHD L/B)	I12	B	47 (LHD)	P8		51 (LHD S/D)
		54 (LHD W/G)	I14	A	47 (LHD)			53 (LHD L/B)
D8		50 (LHD S/D)	I16		50 (LHD S/D)			55 (LHD W/G)
		52 (LHD L/B)			52 (LHD L/B)	R17		53 (LHD L/B)
		54 (LHD W/G)			54 (LHD W/G)			55 (LHD W/G)
D9		50 (LHD S/D)	J6	A	48 (LHD)	V8		51 (LHD S/D)
		52 (LHD L/B)	J7	B	48 (LHD)			53 (LHD L/B)
		54 (LHD W/G)	J8	A	48 (LHD)			55 (LHD W/G)
D10		50 (LHD S/D)	J9	B	48 (LHD)	V9		51 (LHD S/D)
		52 (LHD L/B)	J10	A	48 (LHD)			53 (LHD L/B)
		54 (LHD W/G)	J11	B	48 (LHD)			55 (LHD W/G)
D11		50 (LHD S/D)	J30	A	51 (LHD S/D)			

▭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
6	29	Fuse Block (Lower Finish Panel)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CC		
CD		
CK	35	
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DC		
DK	31	Roof Wire and Driver Side J/B (Left Side of the Instrument Panel)
DM	31	Floor Wire and Driver Side J/B (Left Side of the Instrument Panel)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	86 (LHD)	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
IC1	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
IC2		
ID1	86 (LHD)	Instrument Panel Wire and Roof Wire (Left Side of the Instrument Panel)
IL1	88 (LHD)	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
IM1	88 (LHD)	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)
BD2	92 (LHD L/B)	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
BE2	92 (LHD L/B)	Back Door No.2 Wire and Back Door No.1 Wire (Back Door Upper Left)
BF2	94 (LHD W/G)	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
BG2	94 (LHD W/G)	Back Door No.1 Wire and Back Door No.2 Wire (Back Door Left)

: Ground Points

Code	See Page	Ground Points Location
IJ	86 (LHD)	Left Kick Panel
IP	86 (LHD)	Right Kick Panel
BS	90 (LHD S/D)	Lower Back Panel Left
BX	92 (LHD L/B)	Right Side of the Back Door
	94 (LHD W/G)	

: Splice Points

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
B5	90 (LHD S/D)	Roof Wire	B5	94 (LHD W/G)	Roof Wire
	92 (LHD L/B)				

Interior Light (RHD)

System Outline

Illuminated Entry System

1. Light on Condition

The light comes on when either of the following conditions is met:

- When any of the doors is open (Except the luggage compartment door (S/D) or back door (L/B, W/G)).
- When all doors are closed and the ignition SW is set to OFF.

2. Light off Condition

The light gradually goes off when any of the following conditions is met (The dome light must be turned on):

- When the ignition SW is kept in the ON position for more than approximately 12 to 18 seconds after all doors are closed.
- When all doors are closed and the driver's and front passenger's side doors are locked.
- When all doors are closed and the ignition SW is set to ACC or ON.

Service Hints

D9, D10, D11, D12 Door Courtesy SW Front LH, RH, Rear LH, RH

1–Ground : Continuity with the door open

Integration Relay

1–Ground : Always approx. 12 volts
23–Ground : Always approx. 12 volts
22–Ground : Approx. 12 volts with the ignition SW at ON position
25–Ground : Always continuity

○ : Parts Location

Code		See Page	Code		See Page	Code	See Page
A13	A	66 (RHD)	D11		72 (RHD L/B)	J32	71 (RHD S/D)
A15	B	66 (RHD)			74 (RHD W/G)		73 (RHD L/B)
B7		72 (RHD L/B)	D12		70 (RHD S/D)		75 (RHD W/G)
		74 (RHD W/G)			72 (RHD L/B)	J34	73 (RHD L/B)
C10	A	66 (RHD)			74 (RHD W/G)		75 (RHD W/G)
C11	B	66 (RHD)	E9	A	67 (RHD)	L3	71 (RHD S/D)
D3		67 (RHD)	E10	B	67 (RHD)	L5	71 (RHD S/D)
D7		70 (RHD S/D)	I11	A	67 (RHD)	P8	71 (RHD S/D)
		72 (RHD L/B)	I12	B	67 (RHD)		73 (RHD L/B)
		74 (RHD W/G)	I14	A	67 (RHD)		75 (RHD W/G)
D8		70 (RHD S/D)	I16		70 (RHD S/D)	R17	73 (RHD L/B)
		72 (RHD L/B)			72 (RHD L/B)		75 (RHD W/G)
		74 (RHD W/G)			74 (RHD W/G)	T6	69 (RHD)
D9		70 (RHD S/D)	J20	A	68 (RHD)	U1	69 (RHD)
		72 (RHD L/B)	J21	B	68 (RHD)	V8	71 (RHD S/D)
		74 (RHD W/G)	J22		68 (RHD)		73 (RHD L/B)
D10		70 (RHD S/D)	J26	A	68 (RHD)		75 (RHD W/G)
		72 (RHD L/B)	J27	B	68 (RHD)	V9	71 (RHD S/D)
		74 (RHD W/G)	J30	A	71 (RHD S/D)		73 (RHD L/B)
D11		70 (RHD S/D)	J31	B	71 (RHD S/D)		75 (RHD W/G)

▭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
6	29	Fuse Block (Lower Finish Panel)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CC		
CD		
CE		
CF		
CG	35	
CH		
CI		
CK		
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DC		
DK	31	Roof Wire and Driver Side J/B (Left Side of the Instrument Panel)
DM	31	Floor Wire and Driver Side J/B (Left Side of the Instrument Panel)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	106 (RHD)	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
IC1	106 (RHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
IC2		
ID1	106 (RHD)	Instrument Panel Wire and Roof Wire (Left Side of the Instrument Panel)
IL1	108 (RHD)	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
IM1	108 (RHD)	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)
BD2	112 (RHD L/B)	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
BE2	112 (RHD L/B)	Back Door No.2 Wire and Back Door No.1 Wire (Back Door Upper Left)
BF2	114 (RHD W/G)	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
BG2	114 (RHD W/G)	Back Door No.1 Wire and Back Door No.2 Wire (Back Door Left)

: Ground Points

Code	See Page	Ground Points Location
IJ	106 (RHD)	Left Kick Panel
IP	106 (RHD)	Right Kick Panel
BU	110 (RHD S/D)	Under the Right Center Pillar
	112 (RHD L/B)	
	114 (RHD W/G)	
BX	112 (RHD L/B)	Right Side of the Back Door
	114 (RHD W/G)	

: Splice Points

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
B5	110 (RHD S/D)	Roof Wire	B5	114 (RHD W/G)	Roof Wire
	112 (RHD L/B)				

Service Hints

I1, I2, I3, I4 Ignition Coil and Igniter No.1, No.2, No.3, No.4

1–Ground : Approx. 12 volts with the ignition SW at ON position

4–Ground : Always continuity

: Parts Location

Code	See Page	Code	See Page	Code	See Page
E13	47 (LHD)	I2	59 (*7)	I4	43 (*5)
	67 (RHD)		61 (*8)		59 (*7)
I1	39 (*3)		63 (*9)		61 (*8)
	41 (*4)	I3	39 (*3)		63 (*9)
	43 (*5)		41 (*4)	N2	39 (*3)
	59 (*7)		43 (*5)		41 (*4)
	61 (*8)		59 (*7)		43 (*5)
	63 (*9)		61 (*8)		59 (*7)
I2	39 (*3)		63 (*9)		61 (*8)
	41 (*4)	I4	39 (*3)		63 (*9)
	43 (*5)		41 (*4)		

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	24 (*1)	Engine Room R/B No.1 (Engine Compartment Left)
4	27	Engine Room R/B No.4 (Left Side of the Suspension Tower)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
DL	31	Engine Room Main Wire and Driver Side J/B (Left Side of the Instrument Panel)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EA1	78 (*3)	Engine Wire and Engine Room Main Wire (Left Side of the Suspension Tower)
	80 (*4)	
	82 (*5)	
	98 (*7)	
	100 (*8)	
	102 (*9)	

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

▽ : **Ground Points**

Code	See Page	Ground Points Location
EC	78 (*3)	Engine Compartment Left
	80 (*4)	
	82 (*5)	
	84 (*6)	
	98 (*7)	
	100 (*8)	
	102 (*9)	
	104 (*10)	
EF	78 (*3)	Left Side of the Cylinder Head
	80 (*4)	
	98 (*7)	
	100 (*8)	
EH	82 (*5)	
	102 (*9)	

○ : **Splice Points**

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E3	82 (*5)	Engine Wire	E4	100 (*8)	Engine Wire
	102 (*9)			102 (*9)	
E4	78 (*3)		E5	78 (*3)	
	80 (*4)			98 (*7)	
	82 (*5)		I3	88 (LHD)	
	98 (*7)			108 (RHD)	

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

Key Reminder and Light Reminder

System Outline

1. Key Reminder Buzzer System

If you open the door of the driver's side when the ignition key is inserted in ignition SW being off, the buzzer comes on.

2. Light Reminder Buzzer System

If you open the door of the driver's side when either headlight or taillight is on with ignition SW being off, the buzzer comes on.

Service Hints

Integration Relay

23–Ground : Always approx. 12 volts
17–Ground : Continuity with the driver's door open
22–Ground : Approx. 12 volts with the ignition SW at ON position

C11 Combination Meter

5–Ground : Always continuity
21–Ground : Approx. 12 volts with the ignition SW at ON position
20–Ground : Always approx. 12 volts

U1 Unlock Warning SW

2–1 : Closed with the ignition key in cylinder

: Parts Location

Code		See Page	Code		See Page	Code		See Page
A13	A	46 (LHD)	D9		54 (LHD W/G)	J16		48 (LHD)
		66 (RHD)	D10		70 (RHD S/D)			68 (RHD)
A15	B	46 (LHD)			72 (RHD L/B)	J22		68 (RHD)
		66 (RHD)			74 (RHD W/G)	J26	C	68 (RHD)
C10	A	46 (LHD)	E9	A	47 (LHD)	J30		51 (LHD S/D)
		66 (RHD)			67 (RHD)			53 (LHD L/B)
C11	B	46 (LHD)	E10	B	47 (LHD)			55 (LHD W/G)
		66 (RHD)			67 (RHD)			71 (RHD S/D)
C12		46 (LHD)	I14	A	47 (LHD)			73 (RHD L/B)
		66 (RHD)			67 (RHD)			75 (RHD W/G)
D9		50 (LHD S/D)	J10	A	48 (LHD)	U1		49 (LHD)
		52 (LHD L/B)	J11	B	48 (LHD)			69 (RHD)

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
3	26	Engine Room R/B No.3 (Left Side of the Suspension Tower)
6	29	Fuse Block (Lower Finish Panel)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
4B	27	Engine Room Main Wire and Engine Room J/B No.4 (Left Side of the Suspension Tower)
4D		
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CC		
CD		
CE		
CF		
CK	35	
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DJ		
DM	31	Floor Wire and Driver Side J/B (Left Side of the Instrument Panel)
DN	31	Engine Room Main Wire and Driver Side J/B (Left Side of the Instrument Panel)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
ED1	84 (*6)	Engine Wire and Engine Room Main Wire (Left Side of the Suspension Tower)
	104 (*10)	
IC1	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	106 (RHD)	
IC2	86 (LHD)	
IM1	108 (RHD)	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)

: Ground Points

Code	See Page	Ground Points Location
IL	86 (LHD)	Behind the Combination Meter
	106 (RHD)	
IO	86 (LHD)	Instrument Panel Reinforcement RH
IP	86 (LHD)	Right Kick Panel
	106 (RHD)	

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

System Outline

The multiplex communication system communicates among the integration relay, A/C control assembly, engine and ECT ECU (A/T), engine ECU (M/T), combination meter, theft deterrent ECU and controls the following systems according to the signals from respective sensors or switches.

Multiplex Communication System Includes Following Systems

- **Door Lock Control**
- **Double Locking**
- **Headlight (w/ Daytime Running Light)**
- **Interior Light**
- **Key Reminder**
- **Light Reminder**
- **Seat Belt Warning**
- **Theft Deterrent**
- **Wireless Door Lock Control**

○ : Parts Location

Code		See Page	Code		See Page	Code	See Page
A13	A	46 (LHD)	C10		66 (RHD)	I14	47 (LHD)
		66 (RHD)	E9	A	47 (LHD)		67 (RHD)
A15	B	46 (LHD)			67 (RHD)	T6	69 (RHD)
		66 (RHD)	E10	B	47 (LHD)		
C10		46 (LHD)			67 (RHD)		

▭ : Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC1	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	106 (RHD)	

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

Multi–Display (w/o Navigation System Map Type)

Service Hints

M1 (A), M3 (C) Multi–Display

(A) 2–Ground : Approx. 12 volts with the ignition SW at ON position
(A) 1–Ground : Approx. 12 volts with the ignition SW at ACC or ON position
(A) 9–Ground : Always approx. 12 volts
(A) 8, (C) 1–Ground : Always continuity

: Parts Location

Code		See Page	Code		See Page	Code		See Page
C10	A	46 (LHD)	J10	A	48 (LHD)	M3	C	68 (RHD)
		66 (RHD)	J11	B	48 (LHD)	R7		49 (LHD)
C11	B	46 (LHD)	J15		48 (LHD)			69 (RHD)
		66 (RHD)			68 (RHD)	S1	A	39 (*3)
C14		46 (LHD)	J20	C	68 (RHD)			45 (*6)
		66 (RHD)	J21	D	68 (RHD)			59 (*7)
F25		50 (LHD S/D)	J24	A	68 (RHD)			65 (*10)
		52 (LHD L/B)	J25	B	68 (RHD)	S2	B	41 (*4)
		54 (LHD W/G)	J26	C	68 (RHD)			43 (*5)
		70 (RHD S/D)	M1	A	48 (LHD)			45 (*6)
		72 (RHD L/B)			68 (RHD)			63 (*9)
		74 (RHD W/G)	M2	B	48 (LHD)			65 (*10)
J8	A	48 (LHD)			68 (RHD)	Z1		49 (LHD)
J9	B	48 (LHD)	M3	C	48 (LHD)			69 (RHD)

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
6	29	Fuse Block (Lower Finish Panel)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CB		
CD		
CE		
CF		
CH	35	
CK		
DB	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC1	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	106 (RHD)	
IE1	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)

: Ground Points

Code	See Page	Ground Points Location
IK	86 (LHD)	Behind the Combination Meter
	106 (RHD)	
IP	86 (LHD)	Right Kick Panel
	106 (RHD)	

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

Service Hints

M4, M5 Mirror Heater LH, RH

4–Ground : Approx. 12 volts with the front deicer SW (w/ front deicer) or rear window defogger SW (w/o front deicer) on

5–Ground : Always continuity

: Parts Location

Code	See Page	Code	See Page	Code	See Page
F19	47 (LHD)	M4	53 (LHD L/B)	M5	55 (LHD W/G)
	67 (RHD)		55 (LHD W/G)		71 (RHD S/D)
F20	47 (LHD)		71 (RHD S/D)		73 (RHD L/B)
J6	48 (LHD)		73 (RHD L/B)		75 (RHD W/G)
J18 A	48 (LHD)		75 (RHD W/G)	S10 A	49 (LHD)
J29 B	68 (RHD)	M5	51 (LHD S/D)	S11 B	49 (LHD)
M4	51 (LHD S/D)		53 (LHD L/B)		

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
5	28 (LHD)	Driver Side R/B (Left Side of the Instrument Panel)
	28 (RHD)	Driver Side R/B (Instrument Panel Reinforcement LH)
6	29	Fuse Block (Lower Finish Panel)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CH	35	
DB	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	86 (LHD)	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
	106 (RHD)	
IL1	88 (LHD)	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
	108 (RHD)	

: Ground Points

Code	See Page	Ground Points Location
IJ	86 (LHD)	Left Kick Panel
	106 (RHD)	
IP	86 (LHD)	Right Kick Panel
	106 (RHD)	

Multiplex Communication System (LHD)

Service Hints

Integration Relay

22–Ground : Approx. 12 volts with ignition SW at ON position
25–Ground : Always continuity
1, 23–Ground : Always approx. 12 volts

○ : Parts Location

Code	See Page	Code	See Page	Code	See Page
A13 A	46 (LHD)	D17	54 (LHD W/G)	J2	43 (*5)
A15 B	46 (LHD)	D18	50 (LHD S/D)		45 (*6)
A16 C	46 (LHD)		52 (LHD L/B)	J3 A	48 (LHD)
A27	46 (LHD)		54 (LHD W/G)	J4 B	48 (LHD)
B7	52 (LHD L/B)	D20	50 (LHD S/D)	J6 A	48 (LHD)
	54 (LHD W/G)		52 (LHD L/B)	J7 B	48 (LHD)
B8	52 (LHD L/B)		54 (LHD W/G)	J8 A	48 (LHD)
	54 (LHD W/G)	E8	47 (LHD)	J9 B	48 (LHD)
B10	56 (LHD)	E9 A	47 (LHD)	J10 A	48 (LHD)
C10 A	46 (LHD)	E10 B	47 (LHD)	J11 B	48 (LHD)
C11 B	46 (LHD)	F7	38 (*3)	J16	48 (LHD)
C12	46 (LHD)		42 (*5)	J30 A	51 (LHD S/D)
D3	47 (LHD)		44 (*6)	J31 B	51 (LHD S/D)
D5	47 (LHD)	F8	38 (*3)	J32	51 (LHD S/D)
D6	47 (LHD)		42 (*5)		53 (LHD L/B)
D7	50 (LHD S/D)		44 (*6)		55 (LHD W/G)
	52 (LHD L/B)	F9	38 (*3)	J33 A	53 (LHD L/B)
	54 (LHD W/G)		42 (*5)		55 (LHD W/G)
D8	50 (LHD S/D)		44 (*6)	J34 B	53 (LHD L/B)
	52 (LHD L/B)	F10	38 (*3)		55 (LHD W/G)
	54 (LHD W/G)		42 (*5)	L3	51 (LHD S/D)
D9	50 (LHD S/D)		44 (*6)	L4	51 (LHD S/D)
	52 (LHD L/B)	F19	47 (LHD)	L5	51 (LHD S/D)
	54 (LHD W/G)	H3	38 (*3)	M6	51 (LHD S/D)
D10	50 (LHD S/D)		42 (*5)		53 (LHD L/B)
	52 (LHD L/B)		44 (*6)		55 (LHD W/G)
	54 (LHD W/G)	H5	38 (*3)	P8	51 (LHD S/D)
D11	50 (LHD S/D)		42 (*5)		53 (LHD L/B)
	52 (LHD L/B)		44 (*6)		55 (LHD W/G)
	54 (LHD W/G)	H6	38 (*3)	R17	53 (LHD L/B)
D12	50 (LHD S/D)		42 (*5)		55 (LHD W/G)
	52 (LHD L/B)		44 (*6)	T10	49 (LHD)
	54 (LHD W/G)	H14	47 (LHD)	U1	49 (LHD)
D13	50 (LHD S/D)	H16	47 (LHD)	V8	51 (LHD S/D)
	52 (LHD L/B)	I11 A	47 (LHD)		53 (LHD L/B)
	54 (LHD W/G)	I12 B	47 (LHD)		55 (LHD W/G)
D15	50 (LHD S/D)	I14 A	47 (LHD)	V9	51 (LHD S/D)
	52 (LHD L/B)	I16	50 (LHD S/D)		53 (LHD L/B)
	54 (LHD W/G)		52 (LHD L/B)		55 (LHD W/G)
D17	50 (LHD S/D)		54 (LHD W/G)		
	52 (LHD L/B)	J2	39 (*3)		

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	24 (*1)	Engine Room R/B No.1 (Engine Compartment Left)
	25 (*2)	
2	26	Engine Room R/B No.2 (Near the Radiator Fan)
3	26	Engine Room R/B No.3 (Left Side of the Suspension Tower)
6	29	Fuse Block (Lower Finish Panel)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
4B	27	Engine Room Main Wire and Engine Room J/B No.4 (Left Side of the Suspension Tower)
4D		
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CB		
CC		
CD		
CF		
CH	35	
CJ		
CK		
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DC		
DD		
DJ		
DK	31	Roof Wire and Driver Side J/B (Left Side of the Instrument Panel)
DM	31	Floor Wire and Driver Side J/B (Left Side of the Instrument Panel)
DN	31	Engine Room Main Wire and Driver Side J/B (Left Side of the Instrument Panel)

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
ED1	84 (*6)	Engine Wire and Engine Room Main Wire (Left Side of the Suspension Tower)
IA1	86 (LHD)	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
IA2		
IB1	86 (LHD)	Engine Room Main Wire and Floor Wire (Near the Driver Side J/B)
IC1	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
IC2		
IC3		
ID1	86 (LHD)	Instrument Panel Wire and Roof Wire (Left Side of the Instrument Panel)
IE1	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
IL1	88 (LHD)	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
IM1	88 (LHD)	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)
IM2		
BA1	90 (LHD S/D)	Rear Door No.2 Wire and Floor Wire (Under the Left Center Pillar)
	92 (LHD L/B)	
	94 (LHD W/G)	
BB1	90 (LHD S/D)	Roof Wire and Roof No.2 Wire (Near the Personal Light)
	92 (LHD L/B)	
	94 (LHD W/G)	
BC1	90 (LHD S/D)	Rear Door No.1 Wire and Floor No.2 Wire (Under the Right Center Pillar)
	92 (LHD L/B)	
	94 (LHD W/G)	
BD1	92 (LHD L/B)	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
BD2		
BE1	92 (LHD L/B)	Back Door No.2 Wire and Back Door No.1 Wire (Back Door Upper Left)
BE2		
BF1	94 (LHD W/G)	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
BF2		
BG1	94 (LHD W/G)	Back Door No.1 Wire and Back Door No.2 Wire (Back Door Left)
BG2		

: Ground Points

Code	See Page	Ground Points Location
EB	78 (*3)	Engine Compartment Right
	82 (*5)	
	84 (*6)	
EC	78 (*3)	Engine Compartment Left
	82 (*5)	
	84 (*6)	
IJ	86 (LHD)	Left Kick Panel
IL	86 (LHD)	Behind the Combination Meter
IO	86 (LHD)	Instrument Panel Reinforcement RH
IP	86 (LHD)	Right Kick Panel
BS	90 (LHD S/D)	Lower Back Panel Left
	92 (LHD L/B)	
	94 (LHD W/G)	
BV	90 (LHD S/D)	Under the Right Center Pillar
	92 (LHD L/B)	
	94 (LHD W/G)	
BX	92 (LHD L/B)	Right Side of the Back Door
	94 (LHD W/G)	

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

: **Splice Points**

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E1	78 (*3)	Engine Room Main Wire	B1	94 (LHD W/G)	Front Door LH Wire
	82 (*5)		B5	90 (LHD S/D)	Roof Wire
	84 (*6)			92 (LHD L/B)	
B1	90 (LHD S/D)	Front Door LH Wire		94 (LHD W/G)	
	92 (LHD L/B)				

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

Service Hints

Integration Relay

22–Ground : Approx. 12 volts with ignition SW at ON position
25–Ground : Always continuity
1, 23–Ground : Always approx. 12 volts

○ : Parts Location

Code	See Page	Code	See Page	Code	See Page
A13 A	66 (RHD)	D17	72 (RHD L/B)	J30 A	75 (RHD W/G)
A15 B	66 (RHD)		74 (RHD W/G)	J31 B	71 (RHD S/D)
A16 C	66 (RHD)	D18 A	70 (RHD S/D)		73 (RHD L/B)
A27	66 (RHD)	D19 B	70 (RHD S/D)		75 (RHD W/G)
B7	72 (RHD L/B)		72 (RHD L/B)	J32	71 (RHD S/D)
	74 (RHD W/G)		74 (RHD W/G)		73 (RHD L/B)
B8	72 (RHD L/B)	D20 A	70 (RHD S/D)		75 (RHD W/G)
	74 (RHD W/G)	D21 B	70 (RHD S/D)	J33 A	73 (RHD L/B)
B10	76 (RHD)		72 (RHD L/B)		75 (RHD W/G)
C10 A	66 (RHD)		74 (RHD W/G)	J34 B	73 (RHD L/B)
C11 B	66 (RHD)	E6	58 (*7)		75 (RHD W/G)
D3	67 (RHD)		62 (*9)	L3	71 (RHD S/D)
D5	67 (RHD)		64 (*10)	L4	71 (RHD S/D)
D6	67 (RHD)	E8	67 (RHD)	L5	71 (RHD S/D)
D7	70 (RHD S/D)	E9 A	67 (RHD)	M6	71 (RHD S/D)
	72 (RHD L/B)	E10 B	67 (RHD)		73 (RHD L/B)
	74 (RHD W/G)	F19	67 (RHD)		75 (RHD W/G)
D8	70 (RHD S/D)	H11	58 (*7)	P8	71 (RHD S/D)
	72 (RHD L/B)		62 (*9)		73 (RHD L/B)
	74 (RHD W/G)		64 (*10)		75 (RHD W/G)
D9	70 (RHD S/D)	H12	58 (*7)	R17	73 (RHD L/B)
	72 (RHD L/B)		62 (*9)		75 (RHD W/G)
	74 (RHD W/G)		64 (*10)	T6	69 (RHD)
D10	70 (RHD S/D)	I11 A	67 (RHD)	T10	69 (RHD)
	72 (RHD L/B)	I12 B	67 (RHD)	T12	71 (RHD S/D)
	74 (RHD W/G)	I14 A	67 (RHD)		73 (RHD L/B)
D11	70 (RHD S/D)	I16	70 (RHD S/D)		75 (RHD W/G)
	72 (RHD L/B)		72 (RHD L/B)	T13	75 (RHD W/G)
	74 (RHD W/G)		74 (RHD W/G)	T14	75 (RHD W/G)
D12	70 (RHD S/D)	J15	68 (RHD)	T15	71 (RHD S/D)
	72 (RHD L/B)	J16	68 (RHD)		73 (RHD L/B)
	74 (RHD W/G)	J20 A	68 (RHD)		75 (RHD W/G)
D13 A	70 (RHD S/D)	J21 B	68 (RHD)	U1	69 (RHD)
D14 B	70 (RHD S/D)	J22 A	68 (RHD)	V8	71 (RHD S/D)
	72 (RHD L/B)	J23 B	68 (RHD)		73 (RHD L/B)
	74 (RHD W/G)	J24 A	68 (RHD)		75 (RHD W/G)
D15 A	70 (RHD S/D)	J25 B	68 (RHD)	V9	71 (RHD S/D)
D16 B	70 (RHD S/D)	J26 A	68 (RHD)		73 (RHD L/B)
	72 (RHD L/B)	J27 B	68 (RHD)		75 (RHD W/G)
	74 (RHD W/G)	J30 A	71 (RHD S/D)		
D17	70 (RHD S/D)		73 (RHD L/B)		

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	24 (*1)	Engine Room R/B No.1 (Engine Compartment Left)
	25 (*2)	
2	26	Engine Room R/B No.2 (Near the Radiator Fan)
3	26	Engine Room R/B No.3 (Left Side of the Suspension Tower)
6	29	Fuse Block (Lower Finish Panel)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
4B	27	Engine Room Main Wire and Engine Room J/B No.4 (Left Side of the Suspension Tower)
4D		
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CB		
CC		
CD		
CE		
CF		
CG	35	
CH		
CI		
CJ		
CK		
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DC		
DD		
DJ		
DK	31	Roof Wire and Driver Side J/B (Left Side of the Instrument Panel)
DM	31	Floor Wire and Driver Side J/B (Left Side of the Instrument Panel)
DN	31	Engine Room Main Wire and Driver Side J/B (Left Side of the Instrument Panel)

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
ED1	104 (*10)	Engine Wire and Engine Room Main Wire (Left Side of the Suspension Tower)
IA1	106 (RHD)	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
IA2		
IC1	106 (RHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
IC2		
IC3		
ID1	106 (RHD)	Instrument Panel Wire and Roof Wire (Left Side of the Instrument Panel)
IE1	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)
IL1	108 (RHD)	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
IL2		
IM1	108 (RHD)	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)
IM2		
IO1	108 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel)
BA1	110 (RHD S/D)	Rear Door No.2 Wire and Floor Wire (Under the Left Center Pillar)
	112 (RHD L/B)	
	114 (RHD W/G)	
BB1	110 (RHD S/D)	Roof Wire and Roof No.2 Wire (Near the Personal Light)
	112 (RHD L/B)	
	114 (RHD W/G)	
BC1	110 (RHD S/D)	Rear Door No.1 Wire and Floor No.2 Wire (Under the Right Center Pillar)
	112 (RHD L/B)	
	114 (RHD W/G)	
BD1	112 (RHD L/B)	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
BD2		
BE1	112 (RHD L/B)	Back Door No.2 Wire and Back Door No.1 Wire (Back Door Upper Left)
BE2		
BF1	114 (RHD W/G)	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
BF2		
BG1	114 (RHD W/G)	Back Door No.1 Wire and Back Door No.2 Wire (Back Door Left)
BG2		

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

▽ : **Ground Points**

Code	See Page	Ground Points Location
EC	98 (*7)	Engine Compartment Left
	102 (*9)	
	104 (*10)	
IJ	106 (RHD)	Left Kick Panel
IK	106 (RHD)	Behind the Combination Meter
IL		
IP	106 (RHD)	Right Kick Panel
BQ	110 (RHD S/D)	Under the Left Center Pillar
	112 (RHD L/B)	
	114 (RHD W/G)	
BS	110 (RHD S/D)	Lower Back Panel Left
	112 (RHD L/B)	
	114 (RHD W/G)	
BU	110 (RHD S/D)	Under the Right Center Pillar
	112 (RHD L/B)	
	114 (RHD W/G)	
BV	110 (RHD S/D)	
	112 (RHD L/B)	
	114 (RHD W/G)	
BX	112 (RHD L/B)	Right Side of the Back Door
	114 (RHD W/G)	

○ : **Splice Points**

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
B1	110 (RHD S/D)	Front Door LH Wire	B5	114 (RHD W/G)	Roof Wire
	112 (RHD L/B)		B7	110 (RHD S/D)	Front Door RH Wire
	114 (RHD W/G)			112 (RHD L/B)	
B2	110 (RHD S/D)	Rear Door No.2 Wire		114 (RHD W/G)	
	112 (RHD L/B)		B8	110 (RHD S/D)	Rear Door No.1 Wire
	114 (RHD W/G)			112 (RHD L/B)	
B5	110 (RHD S/D)	Roof Wire		114 (RHD W/G)	
	112 (RHD L/B)				

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

Moon Roof

System Outline

Key Off Moon Roof Operation

Within approximately 43 sec. after the ignition SW is turned from on to off, the moon roof can be operated. However, if the driver or front passenger door is opened during this period of time, the moon roof operation is stopped even through 43 sec. have not elapsed.

Service Hints

M6 Moon Roof Control Relay and Motor

10–Ground : Always approx. 12 volts
3–Ground : Approx. 12 volts with the ignition SW at ON position
5–Ground : Always continuity

: Parts Location

Code	See Page	Code	See Page	Code	See Page
C11	46 (LHD)	J10 A	48 (LHD)	M7	55 (LHD W/G)
	66 (RHD)	J11 B	48 (LHD)		71 (RHD S/D)
D9	50 (LHD S/D)	J16	48 (LHD)		73 (RHD L/B)
	52 (LHD L/B)	J20 C	68 (RHD)		75 (RHD W/G)
	54 (LHD W/G)	J21 D	68 (RHD)	S1 A	39 (*3)
	70 (RHD S/D)	J22	68 (RHD)		45 (*6)
	72 (RHD L/B)	J26 C	68 (RHD)		59 (*7)
	74 (RHD W/G)	M6	51 (LHD S/D)		65 (*10)
D10	50 (LHD S/D)		53 (LHD L/B)	S2 B	41 (*4)
	52 (LHD L/B)		55 (LHD W/G)		43 (*5)
	54 (LHD W/G)		71 (RHD S/D)		45 (*6)
	70 (RHD S/D)		73 (RHD L/B)		63 (*9)
	72 (RHD L/B)		75 (RHD W/G)		65 (*10)
	74 (RHD W/G)	M7	51 (LHD S/D)	U1	49 (LHD)
J8 A	48 (LHD)		53 (LHD L/B)		69 (RHD)

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
6	29	Fuse Block (Lower Finish Panel)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CD		
CE		
CF		
CK	35	
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DC		
DG		
DK	31	Roof Wire and Driver Side J/B (Left Side of the Instrument Panel)

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC2	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	106 (RHD)	
ID1	86 (LHD)	Instrument Panel Wire and Roof Wire (Left Side of the Instrument Panel)
	106 (RHD)	
IE1	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)
IM1	88 (LHD)	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)
	108 (RHD)	
BB1	90 (LHD S/D)	Roof Wire and Roof No.2 Wire (Near the Personal Light)
	92 (LHD L/B)	
	94 (LHD W/G)	
	110 (RHD S/D)	
	112 (RHD L/B)	
	114 (RHD W/G)	

: Ground Points

Code	See Page	Ground Points Location
IJ	86 (LHD)	Left Kick Panel
	106 (RHD)	
IL	86 (LHD)	Behind the Combination Meter
IO	86 (LHD)	Instrument Panel Reinforcement RH
IP	86 (LHD)	Right Kick Panel
	106 (RHD)	

: Splice Points

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
B5	90 (LHD S/D)	Roof Wire	B5	110 (RHD S/D)	Roof Wire
	92 (LHD L/B)			112 (RHD L/B)	
	94 (LHD W/G)			114 (RHD W/G)	

Navigation System (Map Type)

System Outline

The navigation system precisely measures the current vehicle position, displays the map obtained from the map database on the screen, and informs the route to the destination shown on the map using voice guidance.
The navigation system is also capable of recognizing voice and enables you to operate itself or the audio system by briefly pressing the voice operation switch and giving a voice command.

Service Hints

N3 (A) Navigation ECU

(A) 9–Ground : Always approx. 12 volts
(A) 18–Ground : Approx. 12 volts with the ignition SW at ACC or ON position
(A) 17–Ground : Always continuity

R11 Remote Controller (Navigation)

5–Ground : Approx. 12 volts with the ignition SW at ACC or ON position
1–Ground : Always continuity

M1 (A), M3 (C) Multi–Display

(A) 1–Ground : Always approx. 12 volts
(A) 14–Ground : Approx. 12 volts with the ignition SW at ACC or ON position
(A) 3–Ground : Approx. 12 volts with the ignition SW at ON position
(A) 25, (C) 1–Ground : Always continuity

: Parts Location

Code		See Page
B1	B	38 (*3)
		40 (*4)
		42 (*5)
		44 (*6)
		58 (*7)
		62 (*9)
		64 (*10)
C10	A	46 (LHD)
		66 (RHD)
C11	B	46 (LHD)
		66 (RHD)
C14		46 (LHD)
		66 (RHD)
D5		47 (LHD)
		67 (RHD)
F21		50 (LHD S/D)
		52 (LHD L/B)
		54 (LHD W/G)
		70 (RHD S/D)
		72 (RHD L/B)
		74 (RHD W/G)
F22		50 (LHD S/D)
		52 (LHD L/B)
		54 (LHD W/G)
		70 (RHD S/D)
		72 (RHD L/B)
		74 (RHD W/G)
J5	A	48 (LHD)
J8	A	48 (LHD)
J9	B	48 (LHD)
J10	A	48 (LHD)
J11	B	48 (LHD)

Code		See Page
J15		48 (LHD)
		68 (RHD)
J17		48 (LHD)
		68 (RHD)
J20	C	68 (RHD)
J21	D	68 (RHD)
J22	B	68 (RHD)
J24	A	68 (RHD)
J25	B	68 (RHD)
J26	C	68 (RHD)
M1	A	48 (LHD)
		68 (RHD)
M2	B	48 (LHD)
		68 (RHD)
M3	C	48 (LHD)
		68 (RHD)
N1	A	39 (*3)
		41 (*4)
		43 (*5)
		59 (*7)
		63 (*9)
N3	A	49 (LHD)
		69 (RHD)
N4	B	49 (LHD)
		69 (RHD)
N5	C	49 (LHD)
		69 (RHD)
P4		49 (LHD)
		69 (RHD)
R4	A	49 (LHD)
		69 (RHD)
R6	C	49 (LHD)

Code		See Page
R6	C	69 (RHD)
R7	D	49 (LHD)
		69 (RHD)
R11		49 (LHD)
		69 (RHD)
S1	A	39 (*3)
		45 (*6)
		59 (*7)
		65 (*10)
S2	B	41 (*4)
		43 (*5)
		45 (*6)
		63 (*9)
		65 (*10)
T11		51 (LHD S/D)
		53 (LHD L/B)
		55 (LHD W/G)
		71 (RHD S/D)
		73 (RHD L/B)
		75 (RHD W/G)
T16		51 (LHD S/D)
		53 (LHD L/B)
		55 (LHD W/G)
		71 (RHD S/D)
		73 (RHD L/B)
		75 (RHD W/G)
T17		51 (LHD S/D)
		53 (LHD L/B)
		55 (LHD W/G)
		71 (RHD S/D)
		73 (RHD L/B)
		75 (RHD W/G)

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
6	29	Fuse Block (Lower Finish Panel)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CB		
CD		
CE		
CF		
CG	35	
CH		
CK		
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DC		
DM	31	Floor Wire and Driver Side J/B (Left Side of the Instrument Panel)

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	86 (LHD)	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
	106 (RHD)	
IC2	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	106 (RHD)	
ID1	86 (LHD)	Instrument Panel Wire and Roof Wire (Left Side of the Instrument Panel)
	106 (RHD)	
IE1	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)
IK1	88 (LHD)	Engine Wire and Instrument Panel Wire (Behind the Glove Box)
	108 (RHD)	
IL1	88 (LHD)	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
	108 (RHD)	

: Ground Points

Code	See Page	Ground Points Location
IK	86 (LHD)	Behind the Combination Meter
	106 (RHD)	
IP	86 (LHD)	Right Kick Panel
	106 (RHD)	

: Splice Points

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I7	88 (LHD)	Instrument Panel Wire	I7	108 (RHD)	Instrument Panel Wire

Service Hints

P1 Power Heater Assembly

5–Ground : Always approx. 12 volts
3–Ground : Approx. 12 volts with the ignition SW at ON position and power heater SW on
1–Ground : Always continuity

○ : Parts Location

Code	See Page	Code	See Page	Code	See Page
A11	44 (*6)	J2	45 (*6)	P1	45 (*6)
F17	44 (*6)	J15	48 (LHD)	P5	49 (LHD)

⬭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	25 (*2)	Engine Room R/B No.1 (Engine Compartment Left)

⬭ : Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
CB	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CK	35	
DC	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)

▭ : Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
EE1	84 (*6)	Engine Wire and Engine Room Main Wire (Engine Compartment Left)
IE6	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)

▽ : Ground Points

Code	See Page	Ground Points Location
EC	84 (*6)	Engine Compartment Left
IK	86 (LHD)	Behind the Combination Meter

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

Power Heater (Electrical Type)

Service Hints

HTR1 Relay

2–Ground : Always continuity
3–Ground : Always approx. 12 volts

HTR2 Relay

2–Ground : Always continuity
3–Ground : Always approx. 12 volts

: Parts Location

Code	See Page	Code	See Page	Code	See Page
A11	44 (*6)	E9 A	47 (LHD)	J4 B	48 (LHD)
	64 (*10)		67 (RHD)		68 (RHD)
A13	46 (LHD)	E10 B	47 (LHD)	J15	68 (RHD)
	66 (RHD)		67 (RHD)	J17	68 (RHD)
A22	46 (LHD)	I14	47 (LHD)	J26	68 (RHD)
	66 (RHD)		67 (RHD)	J28	68 (RHD)
C10	46 (LHD)	J3 A	48 (LHD)	P7	49 (LHD)
	66 (RHD)		68 (RHD)		69 (RHD)

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	25 (*2)	Engine Room R/B No.1 (Engine Compartment Left)
2	26	Engine Room R/B No.2 (Near the Radiator Fan)
3	26	Engine Room R/B No.3 (Left Side of the Suspension Tower)
6	29	Fuse Block (Lower Finish Panel)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CB		
CC		
CE		
CF		
CG	35	
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DC		
DF		
DP	31	Engine Room Main Wire and Driver Side J/B (Left Side of the Instrument Panel)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC1	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	106 (RHD)	
IK2	88 (LHD)	Engine Wire and Instrument Panel Wire (Behind the Glove Box)
	108 (RHD)	

: Ground Points

Code	See Page	Ground Points Location
EI	84 (*6)	Near the Starter
	104 (*10)	
IK	106 (RHD)	Behind the Combination Meter
IP	86 (LHD)	Right Kick Panel

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

: **Splice Points**

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I3	88 (LHD)	Engine Wire	I3	108 (RHD)	Engine Wire

Service Hints

P6 Power Outlet

2–Ground : Approx. 12 volts with the ignition SW at ACC or ON position

1–Ground : Always continuity

: Parts Location

Code		See Page	Code		See Page	Code		See Page
J8	A	48 (LHD)	J17		48 (LHD)	J21	D	68 (RHD)
J9	B	48 (LHD)			68 (RHD)	P6		49 (LHD)
J15		68 (RHD)	J20	C	68 (RHD)			69 (RHD)

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
5	28 (LHD)	Driver Side R/B (Left Side of the Instrument Panel)
	28 (RHD)	Driver Side R/B (Instrument Panel Reinforcement LH)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
II1	88 (LHD)	Instrument Panel Wire and Instrument Panel No.3 Wire (Under the Console Box)
	108 (RHD)	

: Ground Points

Code	See Page	Ground Points Location
IJ	86 (LHD)	Left Kick Panel
	106 (RHD)	
IK	106 (RHD)	Behind the Combination Meter
IP	86 (LHD)	Right Kick Panel

Service Hints

I13 Ignition SW

3–2 : Closed with the ignition key at ACC or ON position
3–1 : Closed with the ignition key at ON or ST position
4–6 : Closed with the ignition key at ON or ST position
4–5 : Closed with the ignition key at ST position

○ : Parts Location

Code	See Page	Code	See Page	Code	See Page
I13	47 (LHD)	R9	49 (LHD)		
	67 (RHD)		69 (RHD)		

⬭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	24 (*1)	Engine Room R/B No.1 (Engine Compartment Left)
	25 (*2)	
2	26	Engine Room R/B No.2 (Near the Radiator Fan)
3	26	Engine Room R/B No.3 (Left Side of the Suspension Tower)
4	27	Engine Room R/B No.4 (Left Side of the Suspension Tower)
5	28 (LHD)	Driver Side R/B (Left Side of the Instrument Panel)
	28 (RHD)	Driver Side R/B (Instrument Panel Reinforcement LH)
6	29	Fuse Block (Lower Finish Panel)

⬭ : Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	24 (*1)	Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment Left)
	25 (*2)	Engine Wire and Engine Room J/B No.1 (Engine Compartment Left)
1B	24 (*1)	Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment Left)
	25 (*2)	Engine Wire and Engine Room J/B No.1 (Engine Compartment Left)
4A	27	Engine Room Main Wire and Engine Room J/B No.4 (Left Side of the Suspension Tower)
4B		
4C		
4D		
6A	29	Instrument Panel Wire and J/B No.6 (Lower Finish Panel)
DH	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DN	31	Engine Room Main Wire and Driver Side J/B (Left Side of the Instrument Panel)

▭ : Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
ED1	84 (*6)	Engine Wire and Engine Room Main Wire (Left Side of the Suspension Tower)
	104 (*10)	
IB1	86 (LHD)	Engine Room Main Wire and Floor Wire (Near the Driver Side J/B)
	106 (RHD)	
IC3	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	106 (RHD)	
IE4	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
IE5		
IP1	108 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Instrument Panel Reinforcement LH)

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

Power Seat

Service Hints

P18 Power Seat Control SW (Driver's Seat)

1–Ground : Always approx. 12 volts
4–Ground : Always continuity

P19 Power Seat Control SW (Front Passenger's Seat)

1–Ground : Always approx. 12 volts
4–Ground : Always continuity

: Parts Location

Code		See Page	Code	See Page	Code	See Page
J35	A	56 (LHD)	L7	56 (LHD)	P22	56 (LHD)
		76 (RHD)		76 (RHD)		76 (RHD)
J36	B	56 (LHD)	P18	56 (LHD)	P23	56 (LHD)
		76 (RHD)		76 (RHD)		76 (RHD)
J37	C	56 (LHD)	P19	56 (LHD)	P24	56 (LHD)
		76 (RHD)		76 (RHD)		76 (RHD)
J38	D	56 (LHD)	P20	56 (LHD)	P25	56 (LHD)
		76 (RHD)		76 (RHD)		76 (RHD)
L6		56 (LHD)	P21	56 (LHD)		
		76 (RHD)		76 (RHD)		

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
6	29	Fuse Block (Lower Finish Panel)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
DM	31	Floor Wire and Driver Side J/B (Left Side of the Instrument Panel)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IM2	88 (LHD)	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)
	108 (RHD)	

: Ground Points

Code	See Page	Ground Points Location
BR	90 (LHD S/D)	Under the Left Center Pillar
	92 (LHD L/B)	
	94 (LHD W/G)	
	110 (RHD S/D)	
	112 (RHD L/B)	
	114 (RHD W/G)	
BV	90 (LHD S/D)	Under the Right Center Pillar
	92 (LHD L/B)	
	94 (LHD W/G)	
	110 (RHD S/D)	
	112 (RHD L/B)	
	114 (RHD W/G)	

Power Window (LHD)

System Outline

1. Manual Down or Up Operation

When the power window master SW is pushed one step, the motor rotates to open the window.
When the power window master SW is pulled up one step, the motor rotates in the opposite direction, to close the window.
All the other windows can be opened/closed as well, by the operation of the power window master SW or respective power window SW.
When the window lock SW is pushed to the lock side, the ground circuit to the passenger's window becomes open. As a result, even if Open/Close operation of the passenger's window is attempted, the current from TERMINAL E of the power window master SW is not grounded and the motor does not rotate, so the passenger's window can not be operated and window lock occurs.

2. Auto Down or Up Operation

When the power window master SW or respective power window SW is pushed two steps, the motor rotates to open the window automatically.
When the power window master SW or respective power window SW is pulled up two steps, the motor rotates to close the window automatically.

3. Jam Protection Function

When any foreign object gets caught during power window AUTO UP operation, the motor rotates in the opposite direction to open the window.

4. Key Off Power Window Operation

Within approximately 43 sec. after the ignition SW is turned from on to off, the power window can be operated. However, if the driver or front passenger door is opened during this period of time, the power window operation is stopped even through 43 sec. have not elapsed.

Service Hints

D17 Power Window Master SW

7–Ground : Always continuity
3–Ground : Approx. 12 volts with the ignition SW at ON position

Integration Relay

1–Ground : Always approx. 12 volts
22–Ground : Approx. 12 volts with the ignition SW at ON position
25–Ground : Always continuity

○ : Parts Location

Code	See Page	Code	See Page	Code	See Page
D9	50 (LHD S/D)	J11 A	48 (LHD)	P12	53 (LHD L/B)
	52 (LHD L/B)	J16	48 (LHD)		55 (LHD W/G)
	54 (LHD W/G)	P9	51 (LHD S/D)	P13	51 (LHD S/D)
D10	50 (LHD S/D)		53 (LHD L/B)		53 (LHD L/B)
	52 (LHD L/B)		55 (LHD W/G)		55 (LHD W/G)
	54 (LHD W/G)	P10	51 (LHD S/D)	P14	51 (LHD S/D)
D17	50 (LHD S/D)		53 (LHD L/B)		53 (LHD L/B)
	52 (LHD L/B)		55 (LHD W/G)		55 (LHD W/G)
	54 (LHD W/G)	P11	51 (LHD S/D)	P15	51 (LHD S/D)
J8 A	48 (LHD)		53 (LHD L/B)		53 (LHD L/B)
J9 B	48 (LHD)		55 (LHD W/G)		55 (LHD W/G)
J10 A	48 (LHD)	P12	51 (LHD S/D)	U1	49 (LHD)

▭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
6	29	Fuse Block (Lower Finish Panel)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
CC	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CD		
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DC		

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	86 (LHD)	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
IA2		
IC1	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
IC2		
IC3		
IL1	88 (LHD)	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
IL2		
IM1	88 (LHD)	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)
IM2		
BA1	90 (LHD S/D)	Rear Door No.2 Wire and Floor Wire (Under the Left Center Pillar)
	92 (LHD L/B)	
	94 (LHD W/G)	
BC1	90 (LHD S/D)	Rear Door No.1 Wire and Floor No.2 Wire (Under the Right Center Pillar)
	92 (LHD L/B)	
	94 (LHD W/G)	

: Ground Points

Code	See Page	Ground Points Location
IJ	86 (LHD)	Left Kick Panel
IL	86 (LHD)	Behind the Combination Meter
IO	86 (LHD)	Instrument Panel Reinforcement RH
IP	86 (LHD)	Right Kick Panel
BQ	90 (LHD S/D)	Under the Left Center Pillar
	92 (LHD L/B)	
	94 (LHD W/G)	
BU	90 (LHD S/D)	Under the Right Center Pillar
	92 (LHD L/B)	
	94 (LHD W/G)	

: Splice Points

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
B1	90 (LHD S/D)	Front Door LH Wire	B6	94 (LHD W/G)	Front Door RH Wire
	92 (LHD L/B)		B7	90 (LHD S/D)	
	94 (LHD W/G)			92 (LHD L/B)	
B2	90 (LHD S/D)	Rear Door No.2 Wire		94 (LHD W/G)	
	92 (LHD L/B)		B8	90 (LHD S/D)	Rear Door No.1 Wire
	94 (LHD W/G)			92 (LHD L/B)	
B3	90 (LHD S/D)			94 (LHD W/G)	
	92 (LHD L/B)		B9	90 (LHD S/D)	
	94 (LHD W/G)			92 (LHD L/B)	
B6	90 (LHD S/D)	Front Door RH Wire		94 (LHD W/G)	
	92 (LHD L/B)				

Power Window (RHD)

System Outline

1. Manual Down or Up Operation

When the power window master SW is pushed one step, the motor rotates to open the window.
When the power window master SW is pulled up one step, the motor rotates in the opposite direction, to close the window.
All the other windows can be opened/closed as well, by the operation of the power window master SW or respective power window SW.
When the window lock SW is pushed to the lock side, the ground circuit to the passenger's window becomes open. As a result, even if Open/Close operation of the passenger's window is attempted, the current from TERMINAL E of the power window master SW is not grounded and the motor does not rotate, so the passenger's window can not be operated and window lock occurs.

2. Auto Down or Up Operation

When the power window master SW or respective power window SW is pushed two steps, the motor rotates to open the window automatically.
When the power window master SW or respective power window SW is pulled up two steps, the motor rotates to close the window automatically.

3. Jam Protection Function

When any foreign object gets caught during power window AUTO UP operation, the motor rotates in the opposite direction to open the window.

4. Key Off Power Window Operation

Within approximately 43 sec. after the ignition SW is turned from on to off, the power window can be operated. However, if the driver or front passenger door is opened during this period of time, the power window operation is stopped even through 43 sec. have not elapsed.

Service Hints

D17 Power Window Master SW

7–Ground : Always continuity
3–Ground : Approx. 12 volts with the ignition SW at ON position

Integration Relay

1–Ground : Always approx. 12 volts
22–Ground : Approx. 12 volts with the ignition SW at ON position
25–Ground : Always continuity

○ : Parts Location

Code	See Page	Code	See Page	Code	See Page
D9	70 (RHD S/D)	P9	71 (RHD S/D)	P13	71 (RHD S/D)
	72 (RHD L/B)		73 (RHD L/B)		73 (RHD L/B)
	74 (RHD W/G)		75 (RHD W/G)		75 (RHD W/G)
D10	70 (RHD S/D)	P10	71 (RHD S/D)	P14	71 (RHD S/D)
	72 (RHD L/B)		73 (RHD L/B)		73 (RHD L/B)
	74 (RHD W/G)		75 (RHD W/G)		75 (RHD W/G)
D17	70 (RHD S/D)	P11	71 (RHD S/D)	P15	71 (RHD S/D)
	72 (RHD L/B)		73 (RHD L/B)		73 (RHD L/B)
	74 (RHD W/G)		75 (RHD W/G)		75 (RHD W/G)
J22	68 (RHD)	P12	71 (RHD S/D)	U1	69 (RHD)
J26 A	68 (RHD)		73 (RHD L/B)		
J27 B	68 (RHD)		75 (RHD W/G)		

⬭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
6	29	Fuse Block (Lower Finish Panel)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CB		
CC		
CD		
CE		
CF		
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DC		

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	106 (RHD)	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
IA2		
IC1	106 (RHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
IC2		
IC3		
IL1	108 (RHD)	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
IL2		
IM1	108 (RHD)	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)
IM2		
BA1	110 (RHD S/D)	Rear Door No.2 Wire and Floor Wire (Under the Left Center Pillar)
	112 (RHD L/B)	
	114 (RHD W/G)	
BC1	110 (RHD S/D)	Rear Door No.1 Wire and Floor No.2 Wire (Under the Right Center Pillar)
	112 (RHD L/B)	
	114 (RHD W/G)	

: Ground Points

Code	See Page	Ground Points Location
IJ	106 (RHD)	Left Kick Panel
IP	106 (RHD)	Right Kick Panel
BQ	110 (RHD S/D)	Under the Left Center Pillar
	112 (RHD L/B)	
	114 (RHD W/G)	
BU	110 (RHD S/D)	Under the Right Center Pillar
	112 (RHD L/B)	
	114 (RHD W/G)	

: Splice Points

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
B1	110 (RHD S/D)	Front Door LH Wire	B7	114 (RHD W/G)	Front Door RH Wire
	112 (RHD L/B)		B8	110 (RHD S/D)	Rear Door No.1 Wire
	114 (RHD W/G)			112 (RHD L/B)	
B2	110 (RHD S/D)	Rear Door No.2 Wire		114 (RHD W/G)	
	112 (RHD L/B)		B9	110 (RHD S/D)	
	114 (RHD W/G)			112 (RHD L/B)	
B3	110 (RHD S/D)			114 (RHD W/G)	
	112 (RHD L/B)		B10	110 (RHD S/D)	Front Door LH Wire
	114 (RHD W/G)			112 (RHD L/B)	
B7	110 (RHD S/D)	Front Door RH Wire		114 (RHD W/G)	
	112 (RHD L/B)				

Radio and Player

Service Hints

R4 (A) Radio and Player

(A) 4–Ground : Always approx. 12 volts
(A) 3–Ground : Approx. 12 volts with the ignition SW at ACC or ON position
(A) 7–Ground : Always continuity

: Parts Location

Code	See Page	Code	See Page	Code	See Page
A31	46 (LHD)	R4 A	69 (RHD)	T16	75 (RHD W/G)
	66 (RHD)	R5 B	49 (LHD)	T17	51 (LHD S/D)
C14	46 (LHD)		69 (RHD)		53 (LHD L/B)
	66 (RHD)	R6 C	49 (LHD)		55 (LHD W/G)
F21	50 (LHD S/D)		69 (RHD)		71 (RHD S/D)
	52 (LHD L/B)	R7 D	49 (LHD)		73 (RHD L/B)
	54 (LHD W/G)		69 (RHD)		75 (RHD W/G)
	70 (RHD S/D)	R15	51 (LHD S/D)	T18	51 (LHD S/D)
	72 (RHD L/B)		53 (LHD L/B)		53 (LHD L/B)
	74 (RHD W/G)		55 (LHD W/G)		55 (LHD W/G)
F22	50 (LHD S/D)		71 (RHD S/D)		71 (RHD S/D)
	52 (LHD L/B)		73 (RHD L/B)		73 (RHD L/B)
	54 (LHD W/G)		75 (RHD W/G)		75 (RHD W/G)
	70 (RHD S/D)	R16	51 (LHD S/D)	T19	51 (LHD S/D)
	72 (RHD L/B)		53 (LHD L/B)		53 (LHD L/B)
	74 (RHD W/G)		55 (LHD W/G)		55 (LHD W/G)
J8 A	48 (LHD)		71 (RHD S/D)		71 (RHD S/D)
J20 B	68 (RHD)		73 (RHD L/B)		73 (RHD L/B)
J24	68 (RHD)		75 (RHD W/G)		75 (RHD W/G)
M1	48 (LHD)	T16	51 (LHD S/D)	Z1 A	49 (LHD)
	68 (RHD)		53 (LHD L/B)		69 (RHD)
N3	49 (LHD)		55 (LHD W/G)	Z2 B	49 (LHD)
	69 (RHD)		71 (RHD S/D)		69 (RHD)
R4 A	49 (LHD)		73 (RHD L/B)		

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
6	29	Fuse Block (Lower Finish Panel)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
CB	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CE		
DB	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)

: **Connector Joining Wire Harness and Wire Harness**

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	86 (LHD)	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
	106 (RHD)	
IC2	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	106 (RHD)	
IL1	88 (LHD)	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
	108 (RHD)	
IM2	88 (LHD)	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)
	108 (RHD)	
BA1	90 (LHD S/D)	Rear Door No.2 Wire and Floor Wire (Under the Left Center Pillar)
	92 (LHD L/B)	
	94 (LHD W/G)	
	110 (RHD S/D)	
	112 (RHD L/B)	
	114 (RHD W/G)	
BC1	90 (LHD S/D)	Rear Door No.1 Wire and Floor No.2 Wire (Under the Right Center Pillar)
	92 (LHD L/B)	
	94 (LHD W/G)	
	110 (RHD S/D)	
	112 (RHD L/B)	
	114 (RHD W/G)	

: **Ground Points**

Code	See Page	Ground Points Location
IN	86 (LHD)	Instrument Panel Reinforcement Center
	106 (RHD)	

Service Hints

R10 Remote Control Mirror SW

8–Ground : Approx. 12 volts with ignition SW at ACC or ON position
7–Ground : Always continuity
8–6 : Continuity with the operation SW at RIGHT or DOWN position
6–7 : Continuity with the operation SW at LEFT or UP position
8–9, 10–7 : Continuity with the retractor SW at RETRACTION position
8–10, 9–7 : Continuity with the retractor SW at RETURN position

: Parts Location

Code		See Page	Code	See Page	Code	See Page
J8	A	48 (LHD)	M4	55 (LHD W/G)	M5	55 (LHD W/G)
J9	B	48 (LHD)		71 (RHD S/D)		71 (RHD S/D)
J20	C	68 (RHD)		73 (RHD L/B)		73 (RHD L/B)
J21	D	68 (RHD)		75 (RHD W/G)		75 (RHD W/G)
M4		51 (LHD S/D)	M5	51 (LHD S/D)	R10	49 (LHD)
		53 (LHD L/B)		53 (LHD L/B)		69 (RHD)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CB		
CC		
CD		
CI	35	
CK		
DB	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	86 (LHD)	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
	106 (RHD)	
IL1	88 (LHD)	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
	108 (RHD)	

: Ground Points

Code	See Page	Ground Points Location
IP	86 (LHD)	Right Kick Panel
	106 (RHD)	

System Outline

The system controls the radiator fan motor in two steps HIGH or LOW, according to the engine coolant temperature and A/C operation condition.
The FAN NO.2 relay is turned ON/OFF according to the engine coolant temperature and A/C refrigerant pressure operation condition. This allows the current to flow to the radiator fan resister when the fan speed is LOW, and to the radiator fan motor when HIGH.

: Parts Location

Code		See Page	Code	See Page	Code	See Page
A13	A	46 (LHD)	D4	67 (RHD)	R1	43 (*5)
		66 (RHD)	E9	47 (LHD)		63 (*9)
A15	B	46 (LHD)		67 (RHD)	R2	43 (*5)
		66 (RHD)	J1	43 (*5)		63 (*9)
D4		47 (LHD)		63 (*9)		

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	24 (*1)	Engine Room R/B No.1 (Engine Compartment Left)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
DL	31	Engine Room Main Wire and Driver Side J/B (Left Side of the Instrument Panel)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IE2	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)

: Ground Points

Code	See Page	Ground Points Location
EC	82 (*5)	Engine Compartment Left
	102 (*9)	

: Splice Points

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E2	82 (*5)	Engine Room Main Wire	E2	102 (*9)	Engine Room Main Wire

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

System Outline

The system controls the radiator fan motor in two steps HIGH or LOW, according to the engine coolant temperature and A/C operation condition.

: Parts Location

Code		See Page	Code		See Page	Code	See Page
A2		38 (*3)	A15	B	66 (RHD)	J1	59 (*7)
		40 (*4)	D4		47 (LHD)		61 (*8)
		58 (*7)			67 (RHD)	R1	39 (*3)
		60 (*8)	E9		47 (LHD)		41 (*4)
A13	A	46 (LHD)			67 (RHD)		59 (*7)
		66 (RHD)	J1		39 (*3)		61 (*8)
A15	B	46 (LHD)			41 (*4)		

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	24 (*1)	Engine Room R/B No.1 (Engine Compartment Left)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
DL	31	Engine Room Main Wire and Driver Side J/B (Left Side of the Instrument Panel)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IE2	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)

: Ground Points

Code	See Page	Ground Points Location
EC	78 (*3)	Engine Compartment Left
	80 (*4)	
	98 (*7)	
	100 (*8)	

: Splice Points

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E2	78 (*3)	Engine Room Main Wire	E2	98 (*7)	Engine Room Main Wire
	80 (*4)			100 (*8)	

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

System Outline

The system controls the radiator fan motor in two steps HIGH or LOW, according to the engine coolant temperature and A/C operation condition.

: Parts Location

Code		See Page	Code	See Page	Code	See Page
A2		44 (*6)	D4	47 (LHD)	R1	45 (*6)
		64 (*10)		67 (RHD)		65 (*10)
A13	A	46 (LHD)	E9	47 (LHD)	W1	45 (*6)
		66 (RHD)		67 (RHD)		65 (*10)
A15	B	46 (LHD)	J1	45 (*6)		
		66 (RHD)		65 (*10)		

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	25 (*2)	Engine Room R/B No.1 (Engine Compartment Left)
2	26	Engine Room R/B No.2 (Near the Radiator Fan)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
1C	25 (*2)	Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment Left)
DL	31	Engine Room Main Wire and Driver Side J/B (Left Side of the Instrument Panel)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IE2	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)

: Ground Points

Code	See Page	Ground Points Location
EB	84 (*6)	Engine Compartment Right
	104 (*10)	
EC	84 (*6)	Engine Compartment Left
	104 (*10)	

: Splice Points

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E2	84 (*6)	Engine Room Main Wire	E2	104 (*10)	Engine Room Main Wire

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

Service Hints

R8 Rear Fog Light Relay

5–3 : Closed with the light control SW at TAIL or HEAD position and the fog light SW at REAR position

: Parts Location

Code		See Page	Code	See Page	Code		See Page
C10	A	46 (LHD)	J30	53 (LHD L/B)	R13	A	51 (LHD S/D)
		66 (RHD)		55 (LHD W/G)		B	53 (LHD L/B)
C11	B	46 (LHD)		71 (RHD S/D)		C	55 (LHD W/G)
		66 (RHD)		73 (RHD L/B)	R14	A	71 (RHD S/D)
C12		46 (LHD)		75 (RHD W/G)		B	73 (RHD L/B)
		66 (RHD)	R8	49 (LHD)		C	75 (RHD W/G)
J30		51 (LHD S/D)		69 (RHD)			

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
3	26	Engine Room R/B No.3 (Left Side of the Suspension Tower)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
4B	27	Engine Room Main Wire and Engine Room J/B No.4 (Left Side of the Suspension Tower)
4D		
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CG	35	
CK		
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DM	31	Floor Wire and Driver Side J/B (Left Side of the Instrument Panel)
DN	31	Engine Room Main Wire and Driver Side J/B (Left Side of the Instrument Panel)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
ED1	84 (*6)	Engine Wire and Engine Room Main Wire (Left Side of the Suspension Tower)
	104 (*10)	
IC2	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	106 (RHD)	
IC3	86 (LHD)	
	106 (RHD)	

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

Rear Fog Light

▽ : **Ground Points**

Code	See Page	Ground Points Location
IJ	86 (LHD)	Left Kick Panel
	106 (RHD)	
IL	86 (LHD)	Behind the Combination Meter
	106 (RHD)	
IO	86 (LHD)	Instrument Panel Reinforcement RH
IP	86 (LHD)	Right Kick Panel
	106 (RHD)	
BS	90 (LHD S/D)	Lower Back Panel Left
	92 (LHD L/B)	
	94 (LHD W/G)	
	110 (RHD S/D)	
	112 (RHD L/B)	
	114 (RHD W/G)	
BT	90 (LHD S/D)	Lower Back Panel Center
	92 (LHD L/B)	
	94 (LHD W/G)	Lower Back Panel Right
	110 (RHD S/D)	Lower Back Panel Center
	112 (RHD L/B)	
	114 (RHD W/G)	Lower Back Panel Right

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

Rear Window Defogger

Service Hints

R9 Rear Window Defogger Relay

5–3 : Closed with the ignition SW at ON position and rear window defogger SW at ON position

○ : Parts Location

Code		See Page	Code	See Page	Code		See Page
A13	A	46 (LHD)	I14	47 (LHD)	R9		69 (RHD)
		66 (RHD)		67 (RHD)	R18	A	51 (LHD S/D)
A15	B	46 (LHD)	J6	48 (LHD)			53 (LHD L/B)
		66 (RHD)	J15	68 (RHD)			55 (LHD W/G)
A16	C	46 (LHD)	J16	48 (LHD)			71 (RHD S/D)
		66 (RHD)		68 (RHD)			73 (RHD L/B)
C10		46 (LHD)	J17	68 (RHD)			75 (RHD W/G)
		66 (RHD)	N6	49 (LHD)	R19	B	51 (LHD S/D)
E9	A	47 (LHD)		69 (RHD)			53 (LHD L/B)
		67 (RHD)	N7	53 (LHD L/B)			55 (LHD W/G)
E10	B	47 (LHD)		55 (LHD W/G)			71 (RHD S/D)
		67 (RHD)		73 (RHD L/B)			73 (RHD L/B)
F19		47 (LHD)		75 (RHD W/G)			75 (RHD W/G)
		67 (RHD)	R9	49 (LHD)	T6		69 (RHD)

⬭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	24 (*1)	Engine Room R/B No.1 (Engine Compartment Left)
	25 (*2)	
6	29	Fuse Block (Lower Finish Panel)

⬭ : Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CD		
CG	35	
CH		
DB	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DC		
DF		
DP	31	Engine Room Main Wire and Driver Side J/B (Left Side of the Instrument Panel)

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IB1	86 (LHD)	Engine Room Main Wire and Floor Wire (Near the Driver Side J/B)
	106 (RHD)	
IC1	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	106 (RHD)	
IC3	86 (LHD)	
	106 (RHD)	
BD1	92 (LHD L/B)	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
	112 (RHD L/B)	
BE1	92 (LHD L/B)	Back Door No.2 Wire and Back Door No.1 Wire (Back Door Upper Left)
	112 (RHD L/B)	
BF1	94 (LHD W/G)	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
	114 (RHD W/G)	
BG1	94 (LHD W/G)	Back Door No.1 Wire and Back Door No.2 Wire (Back Door Left)
	114 (RHD W/G)	

: Ground Points

Code	See Page	Ground Points Location
IJ	86 (LHD)	Left Kick Panel
	106 (RHD)	
IK	106 (RHD)	Behind the Combination Meter
IL	86 (LHD)	
IP	106 (RHD)	Right Kick Panel
BW	90 (LHD S/D)	Right Quarter Panel
	110 (RHD S/D)	
BX	92 (LHD L/B)	Right Side of the Back Door
	94 (LHD W/G)	
	112 (RHD L/B)	
	114 (RHD W/G)	

: Splice Points

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I2	88 (LHD)	Engine Room Main Wire	B4	94 (LHD W/G)	Floor Wire
	108 (RHD)			110 (RHD S/D)	
B4	90 (LHD S/D)	Floor Wire		112 (RHD L/B)	
	92 (LHD L/B)			114 (RHD W/G)	

System Outline

When the ignition SW is turned on, the current flows to TERMINAL 2 of the rear washer motor and TERMINAL 1 of the rear wiper motor and relay through the RR WIP fuse.

1. Rear Wiper Normal Operation

With the ignition SW turned on and rear wiper and washer SW turned on, current to TERMINAL 1 of the rear wiper motor and relay flows to TERMINAL 3 of the rear wiper motor and relay to TERMINAL 10 of the rear wiper and washer SW to TERMINAL 2 to GROUND. Thus, the relay coil is activated and current to the rear wiper motor to motor to GROUND, causing the motor to operate the wiper.

2. Rear Wiper Intermittent Operation

When the ignition SW is turned on and the rear wiper and washer SW is turned to INT position, current to TERMINAL 1 of the rear wiper motor and relay flows to TERMINAL 2 of the rear wiper motor and relay to TERMINAL 4 of the rear wiper and washer SW to TERMINAL 2 to GROUND.

This causes the motor to operate (The point changes) and the intermittent circuit of the relay operates. Intermittent operation of the circuit is controlled by the charging and discharging of the condenser installed inside the relay.

3. Washer Operation

With the ignition SW turned on and the rear wiper and washer SW turned to ON position, when the wiper SW is turned further, current to TERMINAL 2 of the rear washer motor flows to TERMINAL 1 to TERMINAL 3 of the rear wiper and washer SW to TERMINAL 2 to GROUND so that the rear washer motor rotates and the window washer emits a water, only while the SW is fully turned.

When the wiper SW is off and then turned washer on (Wiper off side), the wiper SW is on and then turned to washer on (Wiper on side), only the washer operates.

Service Hints

R20 Rear Wiper Motor and Relay

1–Ground : Approx. 12 volts with the ignition SW at ON position
2–Ground : Continuity with the rear wiper and washer SW at INT position
3–Ground : Continuity with the rear wiper and washer SW at ON position

○ : Parts Location

Code		See Page	Code	See Page	Code	See Page
C13		46 (LHD)	R3	41 (*4)	R3	65 (*10)
		66 (RHD)		43 (*5)	R20	53 (LHD L/B)
J5	A	48 (LHD)		45 (*6)		55 (LHD W/G)
J28	B	68 (RHD)		59 (*7)		73 (RHD L/B)
R3		39 (*3)		63 (*9)		75 (RHD W/G)

⬭ : Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
DD	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC1	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	106 (RHD)	
IC2	86 (LHD)	
	106 (RHD)	
IE3	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
IO1	108 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel)
BD1	92 (LHD L/B)	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
	112 (RHD L/B)	
BD2	92 (LHD L/B)	
	112 (RHD L/B)	
BE1	92 (LHD L/B)	Back Door No.2 Wire and Back Door No.1 Wire (Back Door Upper Left)
	112 (RHD L/B)	
BE2	92 (LHD L/B)	
	112 (RHD L/B)	
BF1	94 (LHD W/G)	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
	114 (RHD W/G)	
BF2	94 (LHD W/G)	
	114 (RHD W/G)	
BG1	94 (LHD W/G)	Back Door No.1 Wire and Back Door No.2 Wire (Back Door Left)
	114 (RHD W/G)	

: Ground Points

Code	See Page	Ground Points Location
IL	86 (LHD)	Behind the Combination Meter
	106 (RHD)	
IO	86 (LHD)	Instrument Panel Reinforcement RH

Seat Belt Warning

System Outline

1. Seat Belt Warning for the Driver's Seat

If the driver does not wear the seat belt when the ignition SW is set to on, the seat belt warning light for the driver's seat comes on, and the buzzer sounds (But 1AZ–FE, Latin America, Argentina and CIS specification vehicles do not sound the buzzer, indicate the warning with the light only). When the driving speed exceeds 15 km/h with the buzzer activated, the interval of buzzer sounding becomes shorter.

2. Seat Belt Warning for the Front Passenger's Seat (Except 1AZ–FE)

A sensor (Occupant detection sensor) detects whether there is an occupant in the front passenger's seat when the ignition SW is set to on. If an occupant is detected and he/she does not wear the front passenger's seat belt, the front passenger's seat belt warning light flickers, and the buzzer sounds (But Latin America, Argentina and CIS specification vehicles do not the buzzer, indicate the warning with the light only). When the driving speed exceeds 15 km/h with the buzzer activated, the interval of buzzer sounding becomes shorter.

Service Hints

B9 Buckle SW (Driver Side)

3–1 : Closed with driver's seat belt in use

B10 Buckle SW (Front Passenger's Side) and Occupant Detection Sensor

3–1 : Closed with passenger sit on the front passenger's seat and front passenger's seat belt not use

: Parts Location

Code		See Page	Code		See Page	Code		See Page
A13	A	46 (LHD)	C11	B	46 (LHD)	J31	B	71 (RHD S/D)
		66 (RHD)			66 (RHD)			73 (RHD L/B)
A15	B	46 (LHD)	E9	A	47 (LHD)			75 (RHD W/G)
		66 (RHD)			67 (RHD)	J32		71 (RHD S/D)
A16	C	46 (LHD)	E10	B	47 (LHD)			73 (RHD L/B)
		66 (RHD)			67 (RHD)			75 (RHD W/G)
A26	A	46 (LHD)	F19		47 (LHD)	S1	A	39 (*3)
		66 (RHD)			67 (RHD)			45 (*6)
A27	B	46 (LHD)	I14		47 (LHD)			59 (*7)
		66 (RHD)			67 (RHD)			65 (*10)
A28	C	46 (LHD)	J10	A	48 (LHD)	S2	B	41 (*4)
		66 (RHD)	J11	B	48 (LHD)			43 (*5)
B9		56 (LHD)	J16		48 (LHD)			45 (*6)
		76 (RHD)			68 (RHD)			61 (*8)
B10		56 (LHD)	J26	C	68 (RHD)			63 (*9)
		76 (RHD)	J30	A	71 (RHD S/D)			65 (*10)
C10	A	46 (LHD)			73 (RHD L/B)			
		66 (RHD)			75 (RHD W/G)			

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
6	29	Fuse Block (Lower Finish Panel)

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CD		
CH	35	
CK		
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DD		

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC1	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	106 (RHD)	
IC2	86 (LHD)	
	106 (RHD)	
IC3	106 (RHD)	
IE1	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)
IM1	88 (LHD)	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)

: Ground Points

Code	See Page	Ground Points Location
IJ	86 (LHD)	Left Kick Panel
	106 (RHD)	
IL	106 (RHD)	Behind the Combination Meter
IP	86 (LHD)	Right Kick Panel
	106 (RHD)	
BS	110 (RHD S/D)	Lower Back Panel Left
	112 (RHD L/B)	
	114 (RHD W/G)	
BV	90 (LHD S/D)	Under the Right Center Pillar
	92 (LHD L/B)	
	94 (LHD W/G)	

Seat Heater

Service Hints

S7 Seat Heater SW

2–Ground : Approx. 12 volts with the ignition SW at ON position
5–Ground : Always continuity

: Parts Location

Code		See Page	Code		See Page	Code		See Page
J17		48 (LHD)	J31	B	55 (LHD W/G)	J37	A	56 (LHD)
J30	A	51 (LHD S/D)	J32		51 (LHD S/D)	J38	B	56 (LHD)
		53 (LHD L/B)			53 (LHD L/B)	S7	A	49 (LHD)
		55 (LHD W/G)			55 (LHD W/G)	S8	B	49 (LHD)
J31	B	51 (LHD S/D)	J35	A	56 (LHD)	S16		56 (LHD)
		53 (LHD L/B)	J36	B	56 (LHD)	S17		56 (LHD)

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
3	26	Engine Room R/B No.3 (Left Side of the Suspension Tower)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
4B	27	Engine Room Main Wire and Engine Room J/B No.4 (Left Side of the Suspension Tower)
4D		
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DM	31	Floor Wire and Driver Side J/B (Left Side of the Instrument Panel)
DN	31	Engine Room Main Wire and Driver Side J/B (Left Side of the Instrument Panel)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
ED1	84 (*6)	Engine Wire and Engine Room Main Wire (Left Side of the Suspension Tower)
IC2	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
IM2	88 (LHD)	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)

: Ground Points

Code	See Page	Ground Points Location
IP	86 (LHD)	Right Kick Panel
BR	90 (LHD S/D)	Under the Left Center Pillar
	92 (LHD L/B)	
	94 (LHD W/G)	
BS	90 (LHD S/D)	Lower Back Panel Left
	92 (LHD L/B)	
	94 (LHD W/G)	
BV	90 (LHD S/D)	Under the Right Center Pillar
	92 (LHD L/B)	
	94 (LHD W/G)	

: Splice Points

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
I1	88 (LHD)	Floor Wire			

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

Service Hints

S13 Stop Light SW

2–1 : Closed with the brake pedal depressed

○ : Parts Location

Code		See Page
H20		50 (LHD S/D)
		52 (LHD L/B)
		54 (LHD W/G)
		70 (RHD S/D)
		72 (RHD L/B)
		74 (RHD W/G)
J30	A	51 (LHD S/D)
		53 (LHD L/B)
		55 (LHD W/G)
		71 (RHD S/D)
		73 (RHD L/B)
		75 (RHD W/G)
J31	B	51 (LHD S/D)
		53 (LHD L/B)
		55 (LHD W/G)
		71 (RHD S/D)
		73 (RHD L/B)

Code		See Page
J31	B	75 (RHD W/G)
J32		51 (LHD S/D)
		53 (LHD L/B)
		55 (LHD W/G)
		71 (RHD S/D)
		73 (RHD L/B)
		75 (RHD W/G)
J33	A	53 (LHD L/B)
		55 (LHD W/G)
		73 (RHD L/B)
		75 (RHD W/G)
J34	B	53 (LHD L/B)
		55 (LHD W/G)
		73 (RHD L/B)
		75 (RHD W/G)
N8		53 (LHD L/B)
		55 (LHD W/G)

Code		See Page
N8		73 (RHD L/B)
		75 (RHD W/G)
R13	A	51 (LHD S/D)
		71 (RHD S/D)
	B	53 (LHD L/B)
		73 (RHD L/B)
	C	55 (LHD W/G)
		75 (RHD W/G)
R14	A	51 (LHD S/D)
		71 (RHD S/D)
	B	53 (LHD L/B)
		73 (RHD L/B)
	C	55 (LHD W/G)
		75 (RHD W/G)
S13		49 (LHD)
		69 (RHD)

⬭ : Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DM	31	Floor Wire and Driver Side J/B (Left Side of the Instrument Panel)

▭ : Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IE3	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
IR1	108 (RHD)	Instrument Panel Wire and Cowl Wire (Right Side of the Instrument Panel)
BD1	92 (LHD L/B)	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
	112 (RHD L/B)	
BE1	92 (LHD L/B)	Back Door No.2 Wire and Back Door No.1 Wire (Back Door Upper Left)
	112 (RHD L/B)	
BF1	94 (LHD W/G)	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
	114 (RHD W/G)	
BG1	94 (LHD W/G)	Back Door No.1 Wire and Back Door No.2 Wire (Back Door Left)
	114 (RHD W/G)	

Stop Light

: Ground Points

Code	See Page	Ground Points Location
BS	90 (LHD S/D)	Lower Back Panel Left
	92 (LHD L/B)	
	94 (LHD W/G)	
	110 (RHD S/D)	
	112 (RHD L/B)	
	114 (RHD W/G)	
BT	90 (LHD S/D)	Lower Back Panel Center
	92 (LHD L/B)	
	94 (LHD W/G)	Lower Back Panel Right
	110 (RHD S/D)	Lower Back Panel Center
	112 (RHD L/B)	
	114 (RHD W/G)	Lower Back Panel Right
BX	92 (LHD L/B)	Right Side of the Back Door
	94 (LHD W/G)	
	112 (RHD L/B)	
	114 (RHD W/G)	

: Splice Points

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
B4	92 (LHD L/B)	Floor Wire	B4	112 (RHD L/B)	Floor Wire
	94 (LHD W/G)			114 (RHD W/G)	

System Outline

Shift Lock Mechanism

If the brake pedal is depressed with the ignition SW set at ON (The stop light SW is on), the shift lock control ECU is activated, allowing the driver to change the shift lever to a position other than the P position.

Service Hints

S9 Shift Lock Control ECU

1–Ground : Approx. 12 volts with the ignition SW at ON position
8–Ground : Always continuity

: Parts Location

Code	See Page	Code	See Page	Code	See Page
J15	68 (RHD)	S9	49 (LHD)	S13	69 (RHD)
J17	48 (LHD)		69 (RHD)		
	68 (RHD)	S13	49 (LHD)		

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CF		
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IE3	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
IR1	108 (RHD)	Instrument Panel Wire and Cowl Wire (Right Side of the Instrument Panel)

: Ground Points

Code	See Page	Ground Points Location
IK	106 (RHD)	Behind the Combination Meter
IP	86 (LHD)	Right Kick Panel

NOTICE: When inspecting or repairing the SRS, perform the operation in accordance with the following precautionary instructions and the procedure and precautions in the Repair Manual for the applicable model year.

- Malfunction symptoms of the SRS are difficult to confirm, so the DTCs become the most important source of information when troubleshooting. When troubleshooting the SRS, always inspect the DTCs before disconnecting the battery.
- **Work must be started after 90 seconds from when the ignition switch is turned to the "LOCK" position and the negative (–) terminal cable is disconnected from the battery.**
  (The SRS is equipped with a back–up power source so that if work is started within 90 seconds from disconnecting the negative (–) terminal cable of the battery, the SRS may be deployed.)
- When the negative (–) terminal cable is disconnected from the battery, the memory of the clock and audio system will be canceled. So before starting work, make a record of the contents memorized in the audio memory system. When work is finished, reset the audio systems as they were before and adjust the clock. To avoid erasing the memory in each memory system, never use a back–up power supply from outside the vehicle.
- Before repairs, remove the airbag sensor if shocks are likely to be applied to the sensor during repairs.
- Do not expose the steering wheel pad, front passenger airbag assembly, seat belt pretensioner, airbag sensor assembly, front airbag sensor assembly, knee airbag assembly, curtain shield airbag assembly, curtain shield airbag sensor assembly, side airbag assembly or side airbag sensor assembly directly to hot air or flames.
- Even in cases of a minor collision where the SRS does not deploy, the steering wheel pad, front passenger airbag assembly, seat belt pretensioner, airbag sensor assembly, front airbag sensor assembly, knee airbag assembly, curtain shield airbag assembly, curtain shield airbag sensor assembly, side airbag assembly and side airbag sensor assembly should be inspected.
- Never use SRS parts from another vehicle. When replacing parts, replace them with new parts.
- Never disassemble and repair the steering wheel pad, front passenger airbag assembly, seat belt pretensioner, airbag sensor assembly, front airbag sensor assembly, knee airbag assembly, curtain shield airbag assembly, curtain shield airbag sensor assembly, side airbag assembly or side airbag sensor assembly in order to reuse it.
- If the steering wheel pad, front passenger airbag assembly, seat belt pretensioner, airbag sensor assembly, front airbag sensor assembly, knee airbag assembly, curtain shield airbag assembly, curtain shield airbag sensor assembly, side airbag assembly or side airbag sensor assembly has been dropped, or if there are cracks, dents or other defects in the case, bracket or connector, replace them with new ones.
- Use a volt/ohmmeter with high impedance (10 kΩ/V minimum) for troubleshooting the system's electrical circuits.
- Information labels are attached to the periphery of the SRS components. Follow the instructions on the notices.
- After work on the SRS is completed, perform the SRS warning light check.
- If the vehicle is equipped with a mobile communication system, refer to the precaution in the IN section of the Repair Manual.

System Outline

The SRS is a driver and passenger protection device which has a supplemental role to the seat belts.
When the ignition SW is turned to ON, the current from the IGN fuse flows to TERMINAL (B) 5 of the airbag sensor assembly.
If an accident occurs while driving, when the frontal impact exceeds a set level, the current from the IGN fuse flows to TERMINALS (B) 14, (B) 16, (B) 10, (B) 8, (C) 12, (A) 8 and (C) 9 of the airbag sensor assembly to the airbag squibs and the pretensioners to TERMINALS (B) 13, (B) 17, (B) 11, (B) 7, (C) 11, (A) 7 and (C) 10 of the airbag sensor assembly to TERMINAL (B) 27, (B) 28 or BODY GROUND to GROUND, so that current flows to the airbag squibs and the pretensioners and causes them to operate.
When the side impact also exceeds a set level, the current from the IGN fuse flows to TERMINALS (A) 12, (C) 5, (A) 9 and (C) 8 of the airbag sensor assembly to the side airbag squibs and the curtain shield airbag squibs TERMINALS (A) 10, (C) 7, (A) 11 and (C) 6 of the airbag sensor assembly to TERMINAL (B) 27, (B) 28 or BODY GROUND to GROUND, causing side airbag squibs and curtain shield airbag squibs to operate.
The airbag stored inside the steering wheel pad is instantaneously expanded to soften the shock to the driver.
The airbag stored inside the passenger's instrument panel is instantaneously expanded to soften the shock to the front passenger.
Side airbags are instantaneously expanded to soften the shock of side to the driver and front passenger.
The curtain shield airbag can ease an impact on the head of the front and rear passengers and reduce risks of injury.
In a head–on crash, the driver moves forward and may strike his/her lower limbs against the instrument panel, the key cylinder, etc. The knee airbag is equipped to protect the lower limbs of the driver in head–on crashes.
The pretensioners make sure of the seat belt restrainability.

: Parts Location

Code	See Page	Code	See Page	Code	See Page
A9	38 (*3)	C15	72 (RHD L/B)	P16	53 (LHD L/B)
	40 (*4)		74 (RHD W/G)		55 (LHD W/G)
	42 (*5)	C16	50 (LHD S/D)		71 (RHD S/D)
	44 (*6)		52 (LHD L/B)		73 (RHD L/B)
	58 (*7)		54 (LHD W/G)		75 (RHD W/G)
	60 (*8)		70 (RHD S/D)	P17	51 (LHD S/D)
	62 (*9)		72 (RHD L/B)		53 (LHD L/B)
	64 (*10)		74 (RHD W/G)		55 (LHD W/G)
A10	38 (*3)	C17	50 (LHD S/D)		71 (RHD S/D)
	40 (*4)		52 (LHD L/B)		73 (RHD L/B)
	42 (*5)		54 (LHD W/G)		75 (RHD W/G)
	44 (*6)		70 (RHD S/D)	S14 A	51 (LHD S/D)
	58 (*7)		72 (RHD L/B)		53 (LHD L/B)
	60 (*8)		74 (RHD W/G)		55 (LHD W/G)
	62 (*9)	C18	50 (LHD S/D)		71 (RHD S/D)
	64 (*10)		52 (LHD L/B)		73 (RHD L/B)
A13 A	46 (LHD)		54 (LHD W/G)		75 (RHD W/G)
	66 (RHD)		70 (RHD S/D)	S14 B	51 (LHD S/D)
A15 B	46 (LHD)		72 (RHD L/B)		53 (LHD L/B)
	66 (RHD)		74 (RHD W/G)		55 (LHD W/G)
A26 A	46 (LHD)	D5	47 (LHD)		71 (RHD S/D)
	66 (RHD)		67 (RHD)		73 (RHD L/B)
A27 B	46 (LHD)	E9 A	47 (LHD)		75 (RHD W/G)
	66 (RHD)		67 (RHD)	S15 A	51 (LHD S/D)
A28 C	46 (LHD)	E10 B	47 (LHD)		53 (LHD L/B)
	66 (RHD)		67 (RHD)		55 (LHD W/G)
A29	46 (LHD)	I14	47 (LHD)		71 (RHD S/D)
	66 (RHD)		67 (RHD)		73 (RHD L/B)
A30	46 (LHD)	J8 A	48 (LHD)		75 (RHD W/G)
	66 (RHD)	J10 A	48 (LHD)	S15 B	51 (LHD S/D)
B9	56 (LHD)	J11 B	48 (LHD)		53 (LHD L/B)
	76 (RHD)	J15	68 (RHD)		55 (LHD W/G)
C10 A	46 (LHD)	J16	48 (LHD)		71 (RHD S/D)
	66 (RHD)	J17	68 (RHD)		73 (RHD L/B)
C11 B	46 (LHD)	J20 A	68 (RHD)		75 (RHD W/G)
	66 (RHD)	J21 B	68 (RHD)	S18	56 (LHD)
C15	50 (LHD S/D)	J26 C	68 (RHD)		76 (RHD)
	52 (LHD L/B)	K3	48 (LHD)	S19	56 (LHD)
	54 (LHD W/G)		68 (RHD)		76 (RHD)
	70 (RHD S/D)	P16	51 (LHD S/D)		

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
6	29	Fuse Block (Lower Finish Panel)

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

: **Junction Block and Wire Harness Connector**

Code	See Page	Junction Block and Wire Harness (Connector Location)
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CD		
CK	35	
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DD		

: **Connector Joining Wire Harness and Wire Harness**

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC1	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	106 (RHD)	
IC2	86 (LHD)	
	106 (RHD)	
IE7	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
IN1	88 (LHD)	Floor No.2 Wire and Instrument Panel Wire (Right Kick Panel)
	108 (RHD)	
IO3	108 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel)

: **Ground Points**

Code	See Page	Ground Points Location
IJ	86 (LHD)	Left Kick Panel
	106 (RHD)	
IK	106 (RHD)	Behind the Combination Meter
IL	86 (LHD)	
IO	86 (LHD)	Instrument Panel Reinforcement RH
IP	86 (LHD)	Right Kick Panel
	106 (RHD)	

Service Hints

S4 (A), S5 (B) Starter

Point closed with the neutral start SW at P or N position and the ignition SW at ST position (A/T)
Point closed with the ignition SW at ST position (M/T)

N1 Neutral Start SW

9–6 : Closed with the shift lever in P or N position

ST Relay

5–3 : Closed with the neutral start SW at P or N position and the ignition SW at ST position (A/T)
Closed with the ignition SW at ST position (M/T)

○ : Parts Location

Code		See Page	Code		See Page	Code		See Page
J12	A	48 (LHD)	N1		63 (*9)	S5	B	39 (*3)
		68 (RHD)	S4	A	39 (*3)			41 (*4)
J13	B	48 (LHD)			41 (*4)			43 (*5)
		68 (RHD)			43 (*5)			45 (*6)
N1		39 (*3)			45 (*6)			59 (*7)
		41 (*4)			59 (*7)			61 (*8)
		43 (*5)			61 (*8)			63 (*9)
		59 (*7)			63 (*9)			65 (*10)
		61 (*8)			65 (*10)			

⬭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	24 (*1)	Engine Room R/B No.1 (Engine Compartment Left)
	25 (*2)	
3	26	Engine Room R/B No.3 (Left Side of the Suspension Tower)
5	28 (LHD)	Driver Side R/B (Left Side of the Instrument Panel)
	28 (RHD)	Driver Side R/B (Instrument Panel Reinforcement LH)
6	29	Fuse Block (Lower Finish Panel)

⬭ : Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
1A	24 (*1)	Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment Left)
	25 (*2)	Engine Wire and Engine Room J/B No.1 (Engine Compartment Left)
4A	27	Engine Room Main Wire and Engine Room J/B No.4 (Left Side of the Suspension Tower)
4B		
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DJ		

▭ : Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IE4	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
IK1	88 (LHD)	Engine Wire and Instrument Panel Wire (Behind the Glove Box)
	108 (RHD)	
IP1	108 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Instrument Panel Reinforcement LH)

▽ : Ground Points

Code	See Page	Ground Points Location
IJ	86 (LHD)	Left Kick Panel
	106 (RHD)	

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

Taillight

Service Hints

C12 Combination SW

14–16 : Closed with the light control SW at TAIL or HEAD position

: Parts Location

Code		See Page	Code		See Page	Code		See Page
C10	A	46 (LHD)	J1		61 (*8)	J34	B	75 (RHD W/G)
		66 (RHD)			63 (*9)	L1		51 (LHD S/D)
C11	B	46 (LHD)			65 (*10)			53 (LHD L/B)
		66 (RHD)	J10	A	48 (LHD)			55 (LHD W/G)
C12		46 (LHD)	J15		68 (RHD)			71 (RHD S/D)
		66 (RHD)	J16		48 (LHD)			73 (RHD L/B)
F1		38 (*3)	J17		68 (RHD)			75 (RHD W/G)
		40 (*4)	J26	B	68 (RHD)	L2		51 (LHD S/D)
		42 (*5)	J30	A	51 (LHD S/D)			53 (LHD L/B)
		44 (*6)			53 (LHD L/B)			55 (LHD W/G)
		58 (*7)			55 (LHD W/G)			71 (RHD S/D)
		60 (*8)			71 (RHD S/D)			73 (RHD L/B)
		62 (*9)			73 (RHD L/B)			75 (RHD W/G)
		64 (*10)			75 (RHD W/G)	R13	A	51 (LHD S/D)
F2		38 (*3)	J31	B	51 (LHD S/D)			71 (RHD S/D)
		40 (*4)			53 (LHD L/B)		B	53 (LHD L/B)
		42 (*5)			55 (LHD W/G)			73 (RHD L/B)
		44 (*6)			71 (RHD S/D)		C	55 (LHD W/G)
		58 (*7)			73 (RHD L/B)			75 (RHD W/G)
		60 (*8)			75 (RHD W/G)	R14	A	51 (LHD S/D)
		62 (*9)	J33	A	53 (LHD L/B)			71 (RHD S/D)
		64 (*10)			55 (LHD W/G)		B	53 (LHD L/B)
J1		39 (*3)			73 (RHD L/B)			73 (RHD L/B)
		41 (*4)			75 (RHD W/G)		C	55 (LHD W/G)
		43 (*5)	J34	B	53 (LHD L/B)			75 (RHD W/G)
		45 (*6)			55 (LHD W/G)			
		59 (*7)			73 (RHD L/B)			

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
3	26	Engine Room R/B No.3 (Left Side of the Suspension Tower)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
4B	27	Engine Room Main Wire and Engine Room J/B No.4 (Left Side of the Suspension Tower)
4D		
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DL	31	Engine Room Main Wire and Driver Side J/B (Left Side of the Instrument Panel)
DM	31	Floor Wire and Driver Side J/B (Left Side of the Instrument Panel)
DN	31	Engine Room Main Wire and Driver Side J/B (Left Side of the Instrument Panel)

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
ED1	84 (*6)	Engine Wire and Engine Room Main Wire (Left Side of the Suspension Tower)
	104 (*10)	
IC2	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	106 (RHD)	
BD2	92 (LHD L/B)	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
	112 (RHD L/B)	
BE2	92 (LHD L/B)	Back Door No.2 Wire and Back Door No.1 Wire (Back Door Upper Left)
	112 (RHD L/B)	
BF2	94 (LHD W/G)	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
	114 (RHD W/G)	
BG2	94 (LHD W/G)	Back Door No.1 Wire and Back Door No.2 Wire (Back Door Left)
	114 (RHD W/G)	

: Ground Points

Code	See Page	Ground Points Location
EB	78 (*3)	Engine Compartment Right
	80 (*4)	
	82 (*5)	
	84 (*6)	
	98 (*7)	
	100 (*8)	
	102 (*9)	
	104 (*10)	
EC	78 (*3)	Engine Compartment Left
	80 (*4)	
	82 (*5)	
	84 (*6)	
	98 (*7)	
	100 (*8)	
	102 (*9)	
	104 (*10)	
IK	106 (RHD)	Behind the Combination Meter
IL	86 (LHD)	
	106 (RHD)	
IO	86 (LHD)	Instrument Panel Reinforcement RH
BS	90 (LHD S/D)	Lower Back Panel Left
	92 (LHD L/B)	
	94 (LHD W/G)	
	110 (RHD S/D)	
	112 (RHD L/B)	
	114 (RHD W/G)	
BT	90 (LHD S/D)	Lower Back Panel Center
	92 (LHD L/B)	
	94 (LHD W/G)	Lower Back Panel Right
	110 (RHD S/D)	Lower Back Panel Center
	112 (RHD L/B)	
	114 (RHD W/G)	Lower Back Panel Right
BX	92 (LHD L/B)	Right Side of the Back Door
	94 (LHD W/G)	
	112 (RHD L/B)	
	114 (RHD W/G)	

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

Turn Signal and Hazard Warning Light

Service Hints

T10 Turn Signal Flasher Relay

1–Ground : Approx. 12 volts with the ignition SW at ON position
4–Ground : Always approx. 12 volts
7–Ground : Always continuity

○ : Parts Location

Code		See Page	Code		See Page	Code		See Page
C10	A	46 (LHD)	F7	A	62 (*9)	I14		47 (LHD)
		66 (RHD)			64 (*10)			67 (RHD)
C11	B	46 (LHD)	F8	B	38 (*3)	J5		48 (LHD)
		66 (RHD)			40 (*4)	J10	A	48 (LHD)
C12		46 (LHD)			42 (*5)	J11	B	48 (LHD)
		66 (RHD)			44 (*6)	J15		68 (RHD)
F5		38 (*3)			58 (*7)	J16		48 (LHD)
		40 (*4)			60 (*8)			68 (RHD)
		42 (*5)			62 (*9)	J17		68 (RHD)
		44 (*6)			64 (*10)	J22	A	68 (RHD)
		58 (*7)	F9	A	38 (*3)	J23	B	68 (RHD)
		60 (*8)			40 (*4)	J24	C	68 (RHD)
		62 (*9)			42 (*5)	J25	D	68 (RHD)
		64 (*10)			44 (*6)	R13	A	51 (LHD S/D)
F6		38 (*3)			58 (*7)			71 (RHD S/D)
		40 (*4)			62 (*9)		B	53 (LHD L/B)
		42 (*5)			64 (*10)			73 (RHD L/B)
		44 (*6)	F10	B	38 (*3)		C	55 (LHD W/G)
		58 (*7)			40 (*4)			75 (RHD W/G)
		60 (*8)			42 (*5)	R14	A	51 (LHD S/D)
		62 (*9)			44 (*6)			71 (RHD S/D)
		64 (*10)			58 (*7)		B	53 (LHD L/B)
F7	A	38 (*3)			60 (*8)			73 (RHD L/B)
		40 (*4)			62 (*9)		C	55 (LHD W/G)
		42 (*5)			64 (*10)			75 (RHD W/G)
		44 (*6)	H13		47 (LHD)	T10		49 (LHD)
		58 (*7)			67 (RHD)			69 (RHD)

⬭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	24 (*1)	Engine Room R/B No.1 (Engine Compartment Left)
	25 (*2)	

⬭ : Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CC		
CD		
CF		
CH	35	
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DL	31	Engine Room Main Wire and Driver Side J/B (Left Side of the Instrument Panel)
DM	31	Floor Wire and Driver Side J/B (Left Side of the Instrument Panel)

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IC2	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
	106 (RHD)	
IE3	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
IO1	108 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel)

: Ground Points

Code	See Page	Ground Points Location
EB	78 (*3)	Engine Compartment Right
	80 (*4)	
	82 (*5)	
	84 (*6)	
	98 (*7)	
	100 (*8)	
	102 (*9)	
	104 (*10)	
EC	78 (*3)	Engine Compartment Left
	80 (*4)	
	82 (*5)	
	84 (*6)	
	98 (*7)	
	100 (*8)	
	102 (*9)	
	104 (*10)	
IK	86 (LHD)	Behind the Combination Meter
	106 (RHD)	
IL	86 (LHD)	
	106 (RHD)	
IO	86 (LHD)	Instrument Panel Reinforcement RH
IP	86 (LHD)	Right Kick Panel
	106 (RHD)	
BS	90 (LHD S/D)	Lower Back Panel Left
	92 (LHD L/B)	
	94 (LHD W/G)	
	110 (RHD S/D)	
	112 (RHD L/B)	
	114 (RHD W/G)	
BT	90 (LHD S/D)	Lower Back Panel Center
	92 (LHD L/B)	
	94 (LHD W/G)	Lower Back Panel Right
	110 (RHD S/D)	Lower Back Panel Center
	112 (RHD L/B)	
	114 (RHD W/G)	Lower Back Panel Right

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

: Splice Points

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E1	78 (*3)	Engine Room Main Wire	E2	78 (*3)	Engine Room Main Wire
	80 (*4)			80 (*4)	
	82 (*5)			82 (*5)	
	84 (*6)			84 (*6)	
	98 (*7)			98 (*7)	
	100 (*8)			100 (*8)	
	102 (*9)			102 (*9)	
	104 (*10)			104 (*10)	

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

System Outline

1. ABS Operation

If the brake pedal is depressed suddenly, the ABS controls the hydraulic pressure of the wheel cylinders for all the four wheels to automatically avoid wheel locking and ensure the directional and steering stability of the vehicle. If the brake pedal is depressed suddenly, the skid control ECU with actuator controls the solenoids in the actuators using the signals from the sensors to move the brake fluid to the reservoir in order to release the braking pressure applied to the wheel cylinder. If the skid control ECU with actuator detects that the fluid pressure in the wheel cylinder is insufficient, the ECU controls the solenoids in the actuators to increase the braking pressure.

2. Traction Control Operation

The traction control system controls the engine torque, the hydraulic pressure of the driving wheel cylinders, slipping of the wheels which may occur at start or acceleration of the vehicle, to ensure an optimal driving power and vehicle stability corresponding to the road conditions.

3. VSC Operation

Unexpected road conditions, vehicle speed, emergency situation, and any other external factors may cause large under– or over–steering of the vehicle. If this occurs, the VSC system automatically controls the engine power and wheel brakes to reduce the under– or over–steering.

To reduce large over–steering :

If the VSC system determines that the over–steering is large, it activates the brakes for the outer turning wheels depending on the degree of the over–steering to produce the moment toward the outside of the vehicle and reduce the over–steering.

To reduce large under–steering :

If the VSC system determines that the under–steering is large, it controls the engine power and activates the rear wheel brakes to reduce the under–steering.

TRC off SW

The TRC off SW is used to stop the TRC function. After the engine is started, the TRC system is stopped (Turned off) and the TRC OFF indicator light lights up. When the TRC off SW is pressed again, the TRC system enters the stand–by mode. If the engine is stopped and restarted, the TRC system enters the stand–by mode regardless of the TRC off SW.

VSC indicator light

If an error occurs in the VSC system, the VSC indicator lights up to warn the driver.

4. Mutual System Control

To efficiently operate the VSC system at its optimal level, the VSC system and other control systems are mutually controlled while the VSC system is being operated.

Engine fuel injecting control

The engine power does not interfere with the VSC brake control by controlling the opening of the fuel injecting and reducing the engine output.

Engine control and electronically controlled transmission control

The strong engine braking force does not interfere with the braking force control of the VSC system by turning off the accel. and reducing changes in the driving torque at shift–down.

VSC system operation indication

The slip indicator light flashes and the buzzer sounds intermittently to warn the driver that the current road is slippery, while the VSC system is being operated.

5. Fail Safe Function

If an error occurs in the skid control ECU with actuator, sensor signals, and/or actuators, the skid control ECU with actuator inhibits the brake actuator control and inputs the error signal to the engine and ECT ECU (A/T) or engine ECU (M/T). According to the error signal, the brake actuator turns off the solenoid and the engine and ECT ECU (A/T) or engine ECU (M/T) rejects any electronically controlled fuel injection request from the VSC system. As a result, the vehicle functions without the ABS, TRC, and VSC systems.

Service Hints

S1 Skid Control ECU with Actuator

5, 9–Ground : Always approx. 12 volts
14–Ground : Approx. 12 volts with ignition SW at ON position
37–Ground : Approx. 12 volts with stop light SW on
6, 10–Ground : Always continuity

A4, A5 ABS Speed Sensor Front LH, RH

2–1 : Approx. 1.2–1.6 kΩ (20˚C, 68˚F)

A32, A33 ABS Speed Sensor Rear LH, RH

1–2 : Approx. 1.0–1.4 kΩ (20˚C, 68˚F)

: Parts Location

Code	See Page	Code	See Page	Code	See Page
A4	38 (*3)	C10 A	66 (RHD)	J26 C	68 (RHD)
	44 (*6)	C11 B	46 (LHD)	O1	39 (*3)
	58 (*7)		66 (RHD)		45 (*6)
	64 (*10)	D5	47 (LHD)		59 (*7)
A5	38 (*3)		67 (RHD)		65 (*10)
	44 (*6)	E9	47 (LHD)	P4	49 (LHD)
	58 (*7)		67 (RHD)		69 (RHD)
	64 (*10)	J2	45 (*6)	S1	39 (*3)
A32	50 (LHD S/D)		65 (*10)		45 (*6)
	52 (LHD L/B)	J6 A	48 (LHD)		59 (*7)
	54 (LHD W/G)	J7 B	48 (LHD)		65 (*10)
	70 (RHD S/D)	J8 A	48 (LHD)	S12	49 (LHD)
	72 (RHD L/B)	J10 A	48 (LHD)		69 (RHD)
	74 (RHD W/G)	J11 B	48 (LHD)	S13	49 (LHD)
A33	50 (LHD S/D)	J15	48 (LHD)		69 (RHD)
	52 (LHD L/B)		68 (RHD)	T9	49 (LHD)
	54 (LHD W/G)	J16	48 (LHD)		69 (RHD)
	70 (RHD S/D)		68 (RHD)	V2	45 (*6)
	72 (RHD L/B)	J17	68 (RHD)		65 (*10)
	74 (RHD W/G)	J18	48 (LHD)	V7	49 (LHD)
B3	38 (*3)	J19	68 (RHD)		69 (RHD)
	44 (*6)	J20 C	68 (RHD)	Y1	49 (LHD)
	58 (*7)	J21 D	68 (RHD)		69 (RHD)
	64 (*10)	J22 A	68 (RHD)		
C10 A	46 (LHD)	J23 B	68 (RHD)		

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
1	24 (*1)	Engine Room R/B No.1 (Engine Compartment Left)
	25 (*2)	
4	27	Engine Room R/B No.4 (Left Side of the Suspension Tower)
6	29	Fuse Block (Lower Finish Panel)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CD		
CJ	35	
CK		
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DC		
DL	31	Engine Room Main Wire and Driver Side J/B (Left Side of the Instrument Panel)

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IB1	86 (LHD)	Engine Room Main Wire and Floor Wire (Near the Driver Side J/B)
	106 (RHD)	
IE1	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)
IE2	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
	106 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)
IE3	86 (LHD)	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
IE8		
IM1	88 (LHD)	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)
	108 (RHD)	
IO1	108 (RHD)	Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel)
IO2		
IR1	108 (RHD)	Instrument Panel Wire and Cowl Wire (Right Side of the Instrument Panel)

: Ground Points

Code	See Page	Ground Points Location
EA	78 (*3)	Engine Compartment Right
	84 (*6)	
	98 (*7)	
	104 (*10)	
EB	78 (*3)	
	84 (*6)	
	98 (*7)	
	104 (*10)	
EC	78 (*3)	Engine Compartment Left
	84 (*6)	
	98 (*7)	
	104 (*10)	
IK	86 (LHD)	Behind the Combination Meter
	106 (RHD)	
IL	86 (LHD)	
	106 (RHD)	
IO	86 (LHD)	Instrument Panel Reinforcement RH
IP	86 (LHD)	Right Kick Panel
	106 (RHD)	

: Splice Points

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
E1	78 (*3)	Engine Room Main Wire	E1	98 (*7)	Engine Room Main Wire
	84 (*6)			104 (*10)	

* 1 : Gasoline * 2 : 1CD–FTV * 3 : LHD 1AZ–FSE * 4 : LHD 1AZ–FE * 5 : LHD 1ZZ–FE, 3ZZ–FE * 6 : LHD 1CD–FTV
* 7 : RHD 1AZ–FSE * 8 : RHD 1AZ–FE * 9 : RHD 1ZZ–FE, 3ZZ–FE * 10 : RHD 1CD–FTV

Wireless Door Lock Control (LHD)

System Outline

The current is always sent from DOOR fuse to TERMINAL 1 of the integration relay. At the same time, the current is always sent from ECU–B 2 fuse to TERMINAL 5 of the door control receiver.

1. Wireless Door Lock or Unlock Normal Operation

* Lock operation
  When the LOCK SW of the transmitter is pushed, all the doors are locked.
* Unlock operation
  When the UNLOCK SW of the transmitter is pushed, all the doors are unlocked.
* Luggage door unlock operation (S/D)
  When the luggage door unlock SW is pushed, the luggage door is unlocked.
* Back door unlock operation (L/B, W/G)
  When the back door unlock SW is pushed, the back door is unlocked.

2. Automatic Lock Operation

If the door is not actually opened within approx. 30 sec. after the door has been unlocked by pushing the UNLOCK SW of the transmitter, unless each of the doors is opened or the ignition key is inserted, all the doors are locked again.

3. Visual Confirmation of Lock or Unlock Function

When doors are locked by using the transmitter, the hazard warning lights blink once. When doors are unlocked by using the transmitter, the hazard warning lights blink twice.

4. Wireless Control Stop Function

If the following situations occur, wireless door lock function does not operate.
Lock operation
* When each of the doors opens. (Door courtesy SW is on)
* When ignition key is inserted to ignition SW. (Unlock warning SW is on)
* When ignition SW is on.

Unlock operation
* When ignition SW is on.
* When ignition key is inserted to ignition SW. (Unlock warning SW is on)

5. Repeat Function

If the doors are not locked after the lock signal is out put from transmitter by pushing LOCK SW, the lock signal is sent again to lock the doors.

Service Hints

Integration Relay

23, 1–Ground : Always approx. 12 volts
25–Ground : Always continuity

U1 Unlock Warning SW

2–1 : Closed with the ignition key in cylinder

D6 Door Control Receiver

5–Ground : Always approx. 12 volts
1–Ground : Always continuity

: Parts Location

Code	See Page	Code	See Page	Code		See Page
B7	52 (LHD L/B)	D12	54 (LHD W/G)	I14	A	47 (LHD)
	54 (LHD W/G)	D13	50 (LHD S/D)	J10	A	48 (LHD)
B8	52 (LHD L/B)		52 (LHD L/B)	J16		48 (LHD)
	54 (LHD W/G)		54 (LHD W/G)	J30	A	51 (LHD S/D)
D6	47 (LHD)	D15	50 (LHD S/D)	J31	B	51 (LHD S/D)
D9	50 (LHD S/D)		52 (LHD L/B)	J32		51 (LHD S/D)
	52 (LHD L/B)		54 (LHD W/G)			53 (LHD L/B)
	54 (LHD W/G)	D17	50 (LHD S/D)			55 (LHD W/G)
D10	50 (LHD S/D)		52 (LHD L/B)	J33	A	53 (LHD L/B)
	52 (LHD L/B)		54 (LHD W/G)			55 (LHD W/G)
	54 (LHD W/G)	D18	50 (LHD S/D)	J34	B	53 (LHD L/B)
D11	50 (LHD S/D)		52 (LHD L/B)			55 (LHD W/G)
	52 (LHD L/B)		54 (LHD W/G)	L3		51 (LHD S/D)
	54 (LHD W/G)	D20	50 (LHD S/D)	L4		51 (LHD S/D)
D12	50 (LHD S/D)		52 (LHD L/B)	U1		49 (LHD)
	52 (LHD L/B)		54 (LHD W/G)			

: Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
6	29	Fuse Block (Lower Finish Panel)

: Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CB		
CC		
CD		
CF		
CJ	35	
CK		
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DC		
DJ		
DM	31	Floor Wire and Driver Side J/B (Left Side of the Instrument Panel)

Wireless Door Lock Control (LHD)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	86 (LHD)	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
IA2		
IC1	86 (LHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
IC2		
IL1	88 (LHD)	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
IM1	88 (LHD)	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)
IM2		
BA1	90 (LHD S/D)	Rear Door No.2 Wire and Floor Wire (Under the Left Center Pillar)
	92 (LHD L/B)	
	94 (LHD W/G)	
BC1	90 (LHD S/D)	Rear Door No.1 Wire and Floor No.2 Wire (Under the Right Center Pillar)
	92 (LHD L/B)	
	94 (LHD W/G)	
BD2	92 (LHD L/B)	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
BE2	92 (LHD L/B)	Back Door No.2 Wire and Back Door No.1 Wire (Back Door Upper Left)
BF2	94 (LHD W/G)	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
BG2	94 (LHD W/G)	Back Door No.1 Wire and Back Door No.2 Wire (Back Door Left)

: Ground Points

Code	See Page	Ground Points Location
IJ	86 (LHD)	Left Kick Panel
IL	86 (LHD)	Behind the Combination Meter
IO	86 (LHD)	Instrument Panel Reinforcement RH
IP	86 (LHD)	Right Kick Panel
BS	90 (LHD S/D)	Lower Back Panel Left
BX	92 (LHD L/B)	Right Side of the Back Door
	94 (LHD W/G)	

: Splice Points

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
B1	90 (LHD S/D)	Front Door LH Wire	B1	94 (LHD W/G)	Front Door LH Wire
	92 (LHD L/B)				

Wireless Door Lock Control (RHD)

System Outline

The current is always sent from DOOR fuse to TERMINAL 1 of the integration relay. At the same time, the current is always sent from ECU–B 2 fuse to TERMINAL 5 of the door control receiver.

1. Wireless Door Lock or Unlock Normal Operation

* Lock operation
  When the LOCK SW of the transmitter is pushed, all the doors are locked.
* Unlock operation
  When the UNLOCK SW of the transmitter is pushed, all the doors are unlocked.
* Luggage door unlock operation (S/D)
  When the luggage door unlock SW is pushed, the luggage door is unlocked.
* Back door unlock operation (L/B, W/G)
  When the back door unlock SW is pushed, the back door is unlocked.

2. Automatic Lock Operation

If the door is not actually opened within approx. 30 sec. after the door has been unlocked by pushing the UNLOCK SW of the transmitter, unless each of the doors is opened or the ignition key is inserted, all the doors are locked again.

3. Visual Confirmation of Lock or Unlock Function

When doors are locked by using the transmitter, the hazard warning lights blink once. When doors are unlocked by using the transmitter, the hazard warning lights blink twice.

4. Wireless Control Stop Function

If the following situations occur, wireless door lock function does not operate.
Lock operation
* When each of the doors opens. (Door courtesy SW is on)
* When ignition key is inserted to ignition SW. (Unlock warning SW is on)
* When ignition SW is on.

Unlock operation
* When ignition SW is on.
* When ignition key is inserted to ignition SW. (Unlock warning SW is on)

5. Repeat Function

If the doors are not locked after the lock signal is out put from transmitter by pushing LOCK SW, the lock signal is sent again to lock the doors.

Service Hints

Integration Relay

23, 1–Ground : Always approx. 12 volts
25–Ground : Always continuity

U1 Unlock Warning SW

2–1 : Closed with the ignition key in cylinder

D6 Door Control Receiver

5–Ground : Always approx. 12 volts
1–Ground : Always continuity

○ : Parts Location

Code		See Page
A13	A	66 (RHD)
A15	B	66 (RHD)
B7		72 (RHD L/B)
		74 (RHD W/G)
B8		72 (RHD L/B)
		74 (RHD W/G)
C10	A	66 (RHD)
C11	B	66 (RHD)
D6		67 (RHD)
D9		70 (RHD S/D)
		72 (RHD L/B)
		74 (RHD W/G)
D10		70 (RHD S/D)
		72 (RHD L/B)
		74 (RHD W/G)
D11		70 (RHD S/D)
		72 (RHD L/B)
		74 (RHD W/G)
D12		70 (RHD S/D)
		72 (RHD L/B)

Code		See Page
D12		74 (RHD W/G)
D14		70 (RHD S/D)
		72 (RHD L/B)
		74 (RHD W/G)
D16		70 (RHD S/D)
		72 (RHD L/B)
		74 (RHD W/G)
D17		70 (RHD S/D)
		72 (RHD L/B)
		74 (RHD W/G)
D19		70 (RHD S/D)
		72 (RHD L/B)
		74 (RHD W/G)
D21		70 (RHD S/D)
		72 (RHD L/B)
		74 (RHD W/G)
E9	A	67 (RHD)
E10	B	67 (RHD)
I14	A	67 (RHD)
J15		68 (RHD)

Code		See Page
J22		68 (RHD)
J24	A	68 (RHD)
J25	B	68 (RHD)
J26		68 (RHD)
J30	A	71 (RHD S/D)
J31	B	71 (RHD S/D)
J32		71 (RHD S/D)
		73 (RHD L/B)
		75 (RHD W/G)
J33	A	73 (RHD L/B)
		75 (RHD W/G)
J34	B	73 (RHD L/B)
		75 (RHD W/G)
L3		71 (RHD S/D)
L4		71 (RHD S/D)
T6		69 (RHD)
T10		69 (RHD)
U1		69 (RHD)

⬭ : Relay Blocks

Code	See Page	Relay Blocks (Relay Block Location)
6	29	Fuse Block (Lower Finish Panel)

⬭ : Junction Block and Wire Harness Connector

Code	See Page	Junction Block and Wire Harness (Connector Location)
CA	34	Instrument Panel Wire and Center J/B (Instrument Panel Reinforcement RH)
CB		
CC		
CD		
CE		
CF		
CJ	35	
CK		
DA	30	Instrument Panel Wire and Driver Side J/B (Left Side of the Instrument Panel)
DB		
DC		
DJ		
DM	31	Floor Wire and Driver Side J/B (Left Side of the Instrument Panel)

Wireless Door Lock Control (RHD)

: Connector Joining Wire Harness and Wire Harness

Code	See Page	Joining Wire Harness and Wire Harness (Connector Location)
IA1	106 (RHD)	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
IA2		
IC1	106 (RHD)	Instrument Panel Wire and Floor Wire (Left Kick Panel)
IC2		
IL1	108 (RHD)	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
IL2		
IM1	108 (RHD)	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)
IM2		
BA1	110 (RHD S/D)	Rear Door No.2 Wire and Floor Wire (Under the Left Center Pillar)
	112 (RHD L/B)	
	114 (RHD W/G)	
BC1	110 (RHD S/D)	Rear Door No.1 Wire and Floor No.2 Wire (Under the Right Center Pillar)
	112 (RHD L/B)	
	114 (RHD W/G)	
BD2	112 (RHD L/B)	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
BE2	112 (RHD L/B)	Back Door No.2 Wire and Back Door No.1 Wire (Back Door Upper Left)
BF2	114 (RHD W/G)	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
BG2	114 (RHD W/G)	Back Door No.1 Wire and Back Door No.2 Wire (Back Door Left)

: Ground Points

Code	See Page	Ground Points Location
IJ	106 (RHD)	Left Kick Panel
IK	106 (RHD)	Behind the Combination Meter
IP	106 (RHD)	Right Kick Panel
BQ	110 (RHD S/D)	Under the Left Center Pillar
	112 (RHD L/B)	
	114 (RHD W/G)	
BS	110 (RHD S/D)	Lower Back Panel Left
BX	112 (RHD L/B)	Right Side of the Back Door
	114 (RHD W/G)	

: Splice Points

Code	See Page	Wire Harness with Splice Points	Code	See Page	Wire Harness with Splice Points
B1	110 (RHD S/D)	Front Door LH Wire	B1	114 (RHD W/G)	Front Door LH Wire
	112 (RHD L/B)				

Driver Side J/B (See Page 30)

Fuse		System	Page
7.5A	ECU–IG	ABS	348
		Charging	126
		EPS	364
		Fuel Heater	446
		Radiator Fan and Condenser Fan (1AZ–FSE, 1AZ–FE)	496
		Radiator Fan and Condenser Fan (1CD–FTV)	500
		Radiator Fan (1ZZ–FE, 3ZZ–FE)	498
		VSC	338
7.5A	GAUGE2	ABS	348
		Back–Up Light	254
		ECT and A/T Indicator (1AZ–FE)	306
		ECT and A/T Indicator (1AZ–FSE)	298
		ECT and A/T Indicator (1ZZ–FE)	314
		Headlight Beam Level Control (w/ HID)	276
		Navigation System (Map Type)	472
		Turn Signal and Hazard Warning Light	244
7.5A	OBD2	Engine Control (1AZ–FE)	148
		Engine Control (1AZ–FSE)	134
		Engine Control (1CD–FTV)	174
		Engine Control (1ZZ–FE, 3ZZ–FE)	162
7.5A	PANEL	Headlight (w/ Daytime Running Light)	222
		Illumination	256
		Key Reminder and Light Reminder	290
		Multiplex Communication System (LHD)	192
7.5A	RAD NO.1	Combination Meter	488
		Door Lock Control (RHD) and Theft Deterrent	374
		Headlight (w/ Daytime Running Light)	222
		Interior Light (LHD)	264
		Interior Light (RHD)	270
		Moon Roof	436
		Multi–Display (w/o Navigation System Map Type)	480
		Multiplex Communication System (LHD)	192
		Multiplex Communication System (RHD)	206
		Navigation System (Map Type)	472
		Power Outlet	452
		Power Window (LHD)	412
		Power Window (RHD)	418
		Radio and Player	484
		Remote Control Mirror	462
7.5A	RR FOG	Rear Fog Light	236

* These are the page numbers of the first page on which the related system is shown.

Fuse		System	Page
10A	GAUGE1	ABS	348
		Air Conditioner (Automatic A/C) and Power Heater (Hot Gas Type Automatic A/C)	502
		Air Conditioner (Manual A/C) and Power Heater (Hot Gas Type Manual A/C)	510
		Automatic Glare–Resistant EC Mirror	448
		Charging	126
		Combination Meter	488
		Cruise Control (1AZ–FSE)	322
		Cruise Control (1CD–FTV)	330
		Door Lock Control (RHD) and Theft Deterrent	374
		ECT and A/T Indicator (1AZ–FE)	306
		ECT and A/T Indicator (1AZ–FSE)	298
		ECT and A/T Indicator (1ZZ–FE)	314
		Engine Control (1AZ–FE)	148
		Engine Control (1AZ–FSE)	134
		Engine Control (1CD–FTV)	174
		Engine Control (1ZZ–FE, 3ZZ–FE)	162
		EPS	364
		Front Window Deicer	454
		Headlight Beam Level Control (w/ HID)	276
		Headlight Cleaner (w/ HID)	284
		Headlight Cleaner (w/o HID)	288
		Headlight (w/ Daytime Running Light)	222
		Illumination	256
		Interior Light (LHD)	264
		Interior Light (RHD)	270
		Key Reminder and Light Reminder	290
		Mirror Heater	460
		Moon Roof	436
		Multi–Display (w/o Navigation System Map Type)	480
		Multiplex Communication System (LHD)	192
		Multiplex Communication System (RHD)	206
		Navigation System (Map Type)	472
		Power Window (LHD)	412
		Power Window (RHD)	418
		Rear Window Defogger	456
		Seat Belt Warning	294
		Shift Lock	440
		SRS	355
		VSC	338
10A	HTR	Air Conditioner (Automatic A/C) and Power Heater (Hot Gas Type Automatic A/C)	502
		Air Conditioner (Manual A/C) and Power Heater (Hot Gas Type Manual A/C)	510

* These are the page numbers of the first page on which the related system is shown.

J POWER SOURCE (Current Flow Chart)

Fuse		System	Page
10A	HTR	Heater	518
		Power Heater (Combustion Type)	528
		Power Heater (Electrical Type)	524
		Seat Heater	468
10A	IGN	ABS	348
		Combination Meter	488
		Cruise Control (1AZ–FSE)	322
		Cruise Control (1CD–FTV)	330
		ECT and A/T Indicator (1AZ–FE)	306
		ECT and A/T Indicator (1AZ–FSE)	298
		ECT and A/T Indicator (1ZZ–FE)	314
		Engine Control (1AZ–FE)	148
		Engine Control (1AZ–FSE)	134
		Engine Control (1CD–FTV)	174
		Engine Control (1ZZ–FE, 3ZZ–FE)	162
		Engine Immobiliser System	188
		EPS	364
		Headlight Beam Level Control (w/ HID)	276
		Ignition	130
		Seat Belt Warning	294
		SRS	355
		VSC	338
10A	TAIL	Combination Meter	488
		Cruise Control (1AZ–FSE)	322
		Engine Control (1AZ–FE)	148
		Engine Control (1AZ–FSE)	134
		Engine Control (1ZZ–FE, 3ZZ–FE)	162
		Front Fog Light	232
		Headlight Beam Level Control (w/o HID)	280
		Illumination	256
		Key Reminder and Light Reminder	290
		Rear Fog Light	236
		Taillight	240
15A	CIG	Cigarette Lighter	450
15A	FR FOG	Front Fog Light	232
15A	P/POINT	Power Outlet	452
15A	STOP	ABS	348
		Cruise Control (1AZ–FSE)	322
		Cruise Control (1CD–FTV)	330
		ECT and A/T Indicator (1AZ–FE)	306
		ECT and A/T Indicator (1AZ–FSE)	298
		ECT and A/T Indicator (1ZZ–FE)	314
		Engine Control (1AZ–FE)	148
		Engine Control (1AZ–FSE)	134

∗ These are the page numbers of the first page on which the related system is shown.

Fuse		System	Page
15A	STOP	Engine Control (1CD–FTV)	174
		Engine Control (1ZZ–FE, 3ZZ–FE)	162
		Shift Lock	440
		Stop Light	250
		VSC	338
20A	RR WIP	Rear Wiper and Washer	432
20A	S–HTR	Seat Heater	468
20A	S/ROOF	Moon Roof	436
25A	DOOR	Door Lock Control (LHD)	368
		Door Lock Control (RHD) and Theft Deterrent	374
		Double Locking	404
		Headlight (w/ Daytime Running Light)	222
		Interior Light (LHD)	264
		Interior Light (RHD)	270
		Key Reminder and Light Reminder	290
		Moon Roof	436
		Multiplex Communication System (LHD)	192
		Multiplex Communication System (RHD)	206
		Power Window (LHD)	412
		Power Window (RHD)	418
		Wireless Door Lock Control (LHD)	388
		Wireless Door Lock Control (RHD)	396
25A	WIP	Front Wiper and Washer (w/ Auto Wiper System)	424
		Front Wiper and Washer (w/o Auto Wiper System)	428
		Headlight Cleaner (w/ HID)	284
		Headlight Cleaner (w/o HID)	288
30A	PWR SEAT	Power Seat	464

Engine Room R/B No.1 (1CD–FTV) (See Page 25)

Fuse		System	Page
7.5A	ALT–S	Charging	126
10A	HAZARD	Turn Signal and Hazard Warning Light	244
15A	HORN	Door Lock Control (RHD) and Theft Deterrent	374
		Horn	442
		Multiplex Communication System (RHD)	206
15A	IG2	Ignition	130
20A	EFI	Cruise Control (1CD–FTV)	330
		Engine Control (1CD–FTV)	174
25A	ABS (w/o VSC)	ABS	348
25A	F–HTR	Fuel Heater	446
25A	PWR HTR	Power Heater (Combustion Type)	528
25A	VSC (w/ VSC)	VSC	338
30A	AM2	Starting	124

* These are the page numbers of the first page on which the related system is shown.

J POWER SOURCE (Current Flow Chart)

Fuse		System	Page
30A	CDS	Radiator Fan and Condenser Fan (1CD–FTV)	500
30A	H/CLN	Headlight Cleaner (w/ HID)	284
		Headlight Cleaner (w/o HID)	288
30A	RR DEF	Rear Window Defogger	456
40A	ABS (w/o VSC)	ABS	348
40A	HTR	Air Conditioner (Automatic A/C) and Power Heater (Hot Gas Type Automatic A/C)	502
		Air Conditioner (Manual A/C) and Power Heater (Hot Gas Type Manual A/C)	510
		Heater	518
		Power Heater (Electrical Type)	524
40A	MAIN	Headlight Beam Level Control (w/ HID)	276
		Headlight Cleaner (w/ HID)	284
		Headlight Cleaner (w/o HID)	288
		Headlight (w/ Daytime Running Light)	222
		Headlight (w/o Daytime Running Light)	228
		Multiplex Communication System (LHD)	192
		Power Heater (Electrical Type)	524
40A	RDI	Radiator Fan and Condenser Fan (1CD–FTV)	500
50A	VSC (w/ VSC)	VSC	338

Engine Room R/B No.1 (Gasoline) (See Page 24)

Fuse		System	Page
7.5A	ALT–S	Charging	126
10A	HAZARD	Turn Signal and Hazard Warning Light	244
10A	THROTTLE	ECT and A/T Indicator (1AZ–FSE)	298
		Engine Control (1AZ–FSE)	134
15A	HORN	Door Lock Control (RHD) and Theft Deterrent	374
		Horn	442
		Multiplex Communication System (RHD)	206
15A	IG2	Engine Control (1AZ–FE)	148
		Engine Control (1AZ–FSE)	134
		Engine Control (1ZZ–FE, 3ZZ–FE)	162
		Ignition	130
20A	A/F	Engine Control (1AZ–FE)	148
20A	EFI	ECT and A/T Indicator (1AZ–FE)	306
		ECT and A/T Indicator (1AZ–FSE)	298
		ECT and A/T Indicator (1ZZ–FE)	314
		Engine Control (1AZ–FE)	148
		Engine Control (1AZ–FSE)	134
		Engine Control (1ZZ–FE, 3ZZ–FE)	162
30A	AM2	Starting	124
30A	CDS	Radiator Fan and Condenser Fan (1AZ–FSE, 1AZ–FE)	496

∗ These are the page numbers of the first page on which the related system is shown.

Fuse		System	Page
30A	H/CLN	Headlight Cleaner (w/ HID)	284
		Headlight Cleaner (w/o HID)	288
30A	RDI (1AZ–FSE, 1AZ–FE)	Radiator Fan and Condenser Fan (1AZ–FSE, 1AZ–FE)	496
30A	RR DEF	Rear Window Defogger	456
40A	HTR	Air Conditioner (Automatic A/C) and Power Heater (Hot Gas Type Automatic A/C)	502
		Air Conditioner (Manual A/C) and Power Heater (Hot Gas Type Manual A/C)	510
		Heater	518
40A	MAIN	Headlight Beam Level Control (w/ HID)	276
		Headlight Cleaner (w/ HID)	284
		Headlight Cleaner (w/o HID)	288
		Headlight (w/ Daytime Running Light)	222
		Headlight (w/o Daytime Running Light)	228
		Multiplex Communication System (LHD)	192
40A	RDI (1ZZ–FE, 3ZZ–FE)	Radiator Fan (1ZZ–FE, 3ZZ–FE)	498
50A	EMPS	EPS	364

Engine Room R/B No.2 (See Page 26)

Fuse		System	Page
10A	H–LP HI LH	Headlight (w/ Daytime Running Light)	222
		Headlight (w/o Daytime Running Light)	228
		Multiplex Communication System (LHD)	192
10A	H–LP HI RH	Combination Meter	488
		Headlight (w/ Daytime Running Light)	222
		Headlight (w/o Daytime Running Light)	228
		Multiplex Communication System (LHD)	192
15A	H–LP LH	Headlight (w/ Daytime Running Light)	222
		Headlight (w/o Daytime Running Light)	228
		Multiplex Communication System (LHD)	192
15A	H–LP RH	Combination Meter	488
		Headlight (w/ Daytime Running Light)	222
		Headlight (w/o Daytime Running Light)	228
		Multiplex Communication System (LHD)	192

Engine Room R/B No.3 (See Page 26)

Fuse		System	Page
50A	HTR1	Power Heater (Electrical Type)	524
50A	HTR2	Power Heater (Electrical Type)	524
80A	GLOW	Engine Control (1CD–FTV)	174
140A	ALT	Charging	126
		Front Fog Light	232
		Headlight Beam Level Control (w/o HID)	280
		Headlight (w/ Daytime Running Light)	222

* These are the page numbers of the first page on which the related system is shown.

J POWER SOURCE (Current Flow Chart)

Fuse		System	Page
140A	ALT	Illumination	256
		Key Reminder and Light Reminder	290
		Multiplex Communication System (LHD)	192
		Multiplex Communication System (RHD)	206
		Rear Fog Light	236
		Seat Heater	468
		Taillight	240

Engine Room R/B No.4 (See Page 27)

Fuse		System	Page
7.5A	EFI NO.2	Engine Control (1AZ–FE)	148
		Engine Control (1AZ–FSE)	134
		Engine Control (1ZZ–FE, 3ZZ–FE)	162
10A	EFI NO.1	Cruise Control (1AZ–FSE)	322
		ECT and A/T Indicator (1AZ–FE)	306
		ECT and A/T Indicator (1AZ–FSE)	298
		ECT and A/T Indicator (1ZZ–FE)	314
		Engine Control (1AZ–FE)	148
		Engine Control (1AZ–FSE)	134
		Engine Control (1ZZ–FE, 3ZZ–FE)	162
25A	ABS (w/o VSC)	ABS	348
25A	VSC (w/ VSC)	VSC	338
30A	H–LP CLN	Headlight Cleaner (w/ HID)	284
		Headlight Cleaner (w/o HID)	288
40A	ABS (w/o VSC)	ABS	348
50A	VSC (w/ VSC)	VSC	338
100A	ALT (1ZZ–FE, 3ZZ–FE)	Charging	126
		Front Fog Light	232
		Headlight Beam Level Control (w/o HID)	280
		Headlight (w/ Daytime Running Light)	222
		Illumination	256
		Key Reminder and Light Reminder	290
		Multiplex Communication System (LHD)	192
		Multiplex Communication System (RHD)	206
		Rear Fog Light	236
		Seat Heater	468
		Taillight	240
120A	ALT (1AZ–FSE, 1AZ–FE)	Charging	126
		Front Fog Light	232
		Headlight Beam Level Control (w/o HID)	280
		Headlight (w/ Daytime Running Light)	222
		Illumination	256
		Key Reminder and Light Reminder	290
		Multiplex Communication System (LHD)	192

* These are the page numbers of the first page on which the related system is shown.

Fuse		System	Page
120A	ALT (1AZ–FSE, 1AZ–FE)	Multiplex Communication System (RHD)	206
		Rear Fog Light	236
		Seat Heater	468
		Taillight	240

Fuse Block (See Page 29)

Fuse		System	Page
7.5A	DEF I/UP	Air Conditioner (Automatic A/C) and Power Heater (Hot Gas Type Automatic A/C)	502
		Air Conditioner (Manual A/C) and Power Heater (Hot Gas Type Manual A/C)	510
		Heater	518
		Rear Window Defogger	456
7.5A	DOME	ABS	348
		Air Conditioner (Automatic A/C) and Power Heater (Hot Gas Type Automatic A/C)	502
		Air Conditioner (Manual A/C) and Power Heater (Hot Gas Type Manual A/C)	510
		Charging	126
		Combination Meter	488
		Cruise Control (1AZ–FSE)	322
		Cruise Control (1CD–FTV)	330
		Door Lock Control (RHD) and Theft Deterrent	374
		Double Locking	404
		ECT and A/T Indicator (1AZ–FE)	306
		ECT and A/T Indicator (1AZ–FSE)	298
		ECT and A/T Indicator (1ZZ–FE)	314
		Engine Control (1AZ–FE)	148
		Engine Control (1AZ–FSE)	134
		Engine Control (1CD–FTV)	174
		Engine Control (1ZZ–FE, 3ZZ–FE)	162
		EPS	364
		Headlight Beam Level Control (w/ HID)	276
		Headlight (w/ Daytime Running Light)	222
		Illumination	256
		Interior Light (LHD)	264
		Interior Light (RHD)	270
		Key Reminder and Light Reminder	290
		Moon Roof	436
		Multi–Display (w/o Navigation System Map Type)	480
		Multiplex Communication System (LHD)	192
		Multiplex Communication System (RHD)	206
		Navigation System (Map Type)	472
		Seat Belt Warning	294
		SRS	355

* These are the page numbers of the first page on which the related system is shown.

J POWER SOURCE (Current Flow Chart)

Fuse		System	Page
7.5A	DOME	VSC	338
		Wireless Door Lock Control (RHD)	396
7.5A	ECU–B 1	Engine Immobiliser System	188
7.5A	ECU–B 2	Air Conditioner (Automatic A/C) and Power Heater (Hot Gas Type Automatic A/C)	502
		Air Conditioner (Manual A/C) and Power Heater (Hot Gas Type Manual A/C)	510
		Door Lock Control (LHD)	368
		Door Lock Control (RHD) and Theft Deterrent	374
		Double Locking	404
		ECT and A/T Indicator (1AZ–FSE)	298
		ECT and A/T Indicator (1ZZ–FE)	314
		Headlight Cleaner (w/ HID)	284
		Headlight Cleaner (w/o HID)	288
		Headlight (w/ Daytime Running Light)	222
		Heater	518
		Interior Light (LHD)	264
		Interior Light (RHD)	270
		Key Reminder and Light Reminder	290
		Multiplex Communication System (LHD)	192
		Multiplex Communication System (RHD)	206
		Power Heater (Electrical Type)	524
		Power Window (LHD)	412
		Power Window (RHD)	418
		Wireless Door Lock Control (LHD)	388
		Wireless Door Lock Control (RHD)	396
7.5A	ST	Cruise Control (1AZ–FSE)	322
		Cruise Control (1CD–FTV)	330
		ECT and A/T Indicator (1AZ–FE)	306
		ECT and A/T Indicator (1AZ–FSE)	298
		ECT and A/T Indicator (1ZZ–FE)	314
		Engine Control (1AZ–FE)	148
		Engine Control (1AZ–FSE)	134
		Engine Control (1CD–FTV)	174
		Engine Control (1ZZ–FE, 3ZZ–FE)	162
		Navigation System (Map Type)	472
		Starting	124
10A	FUEL OPN	Fuel Lid Opener	444
10A	MIR HTR	Mirror Heater	460
15A	RAD NO.2	Multi–Display (w/o Navigation System Map Type)	480
		Navigation System (Map Type)	472
		Radio and Player	484
20A	D–FR P/W	Power Window (LHD)	412
		Power Window (RHD)	418

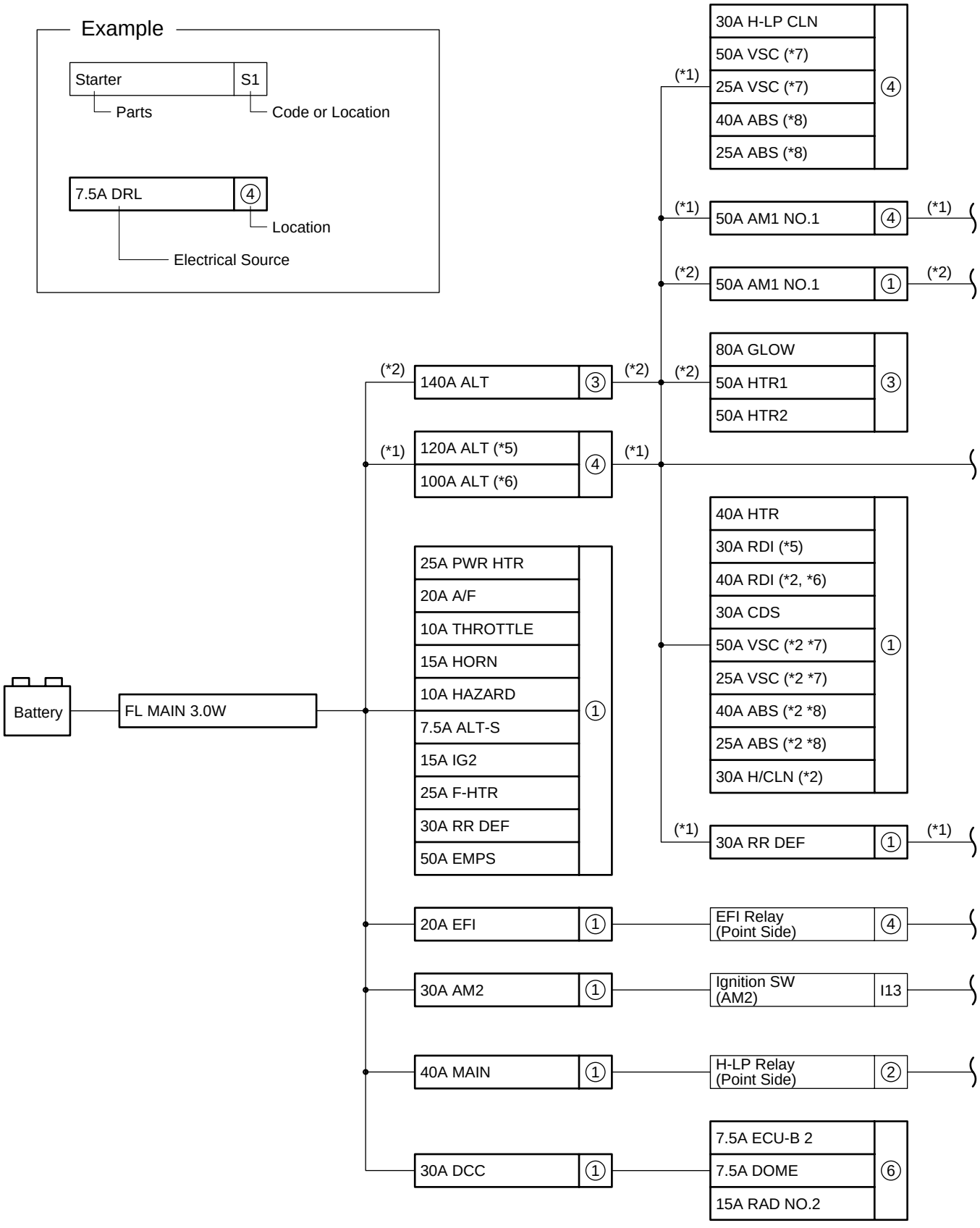
∗ These are the page numbers of the first page on which the related system is shown.

Fuse		System	Page
20A	D–RR P/W	Power Window (LHD) Power Window (RHD)	412 418
20A	FR DIC	Front Window Deicer Mirror Heater	454 460
20A	P–FR P/W	Power Window (LHD) Power Window (RHD)	412 418
20A	P–RR P/W	Power Window (LHD) Power Window (RHD)	412 418
30A	PWR SEAT	Power Seat	464

* These are the page numbers of the first page on which the related system is shown.

J POWER SOURCE (Current Flow Chart)

The chart below shows the route by which current flows from the battery to each electrical source (Fusible Link, Circuit Breaker, Fuse, etc.) and other Parts.



[LOCATION]

① : Engine Room R/B No.1 (See Page 24 (*1) or 25 (*2))

② : Engine Room R/B No.2 (See Page 26)

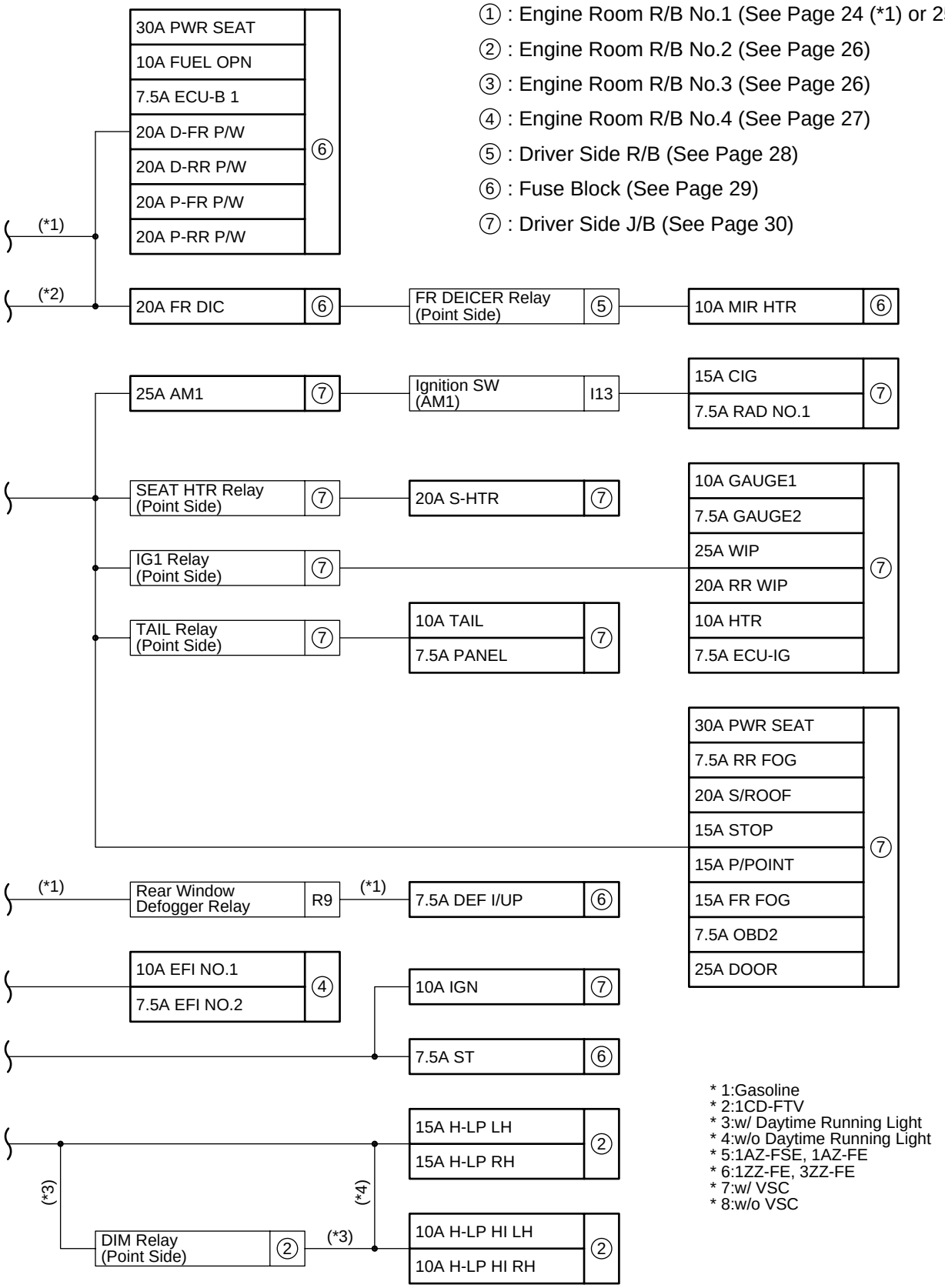
③ : Engine Room R/B No.3 (See Page 26)

④ : Engine Room R/B No.4 (See Page 27)

⑤ : Driver Side R/B (See Page 28)

⑥ : Fuse Block (See Page 29)

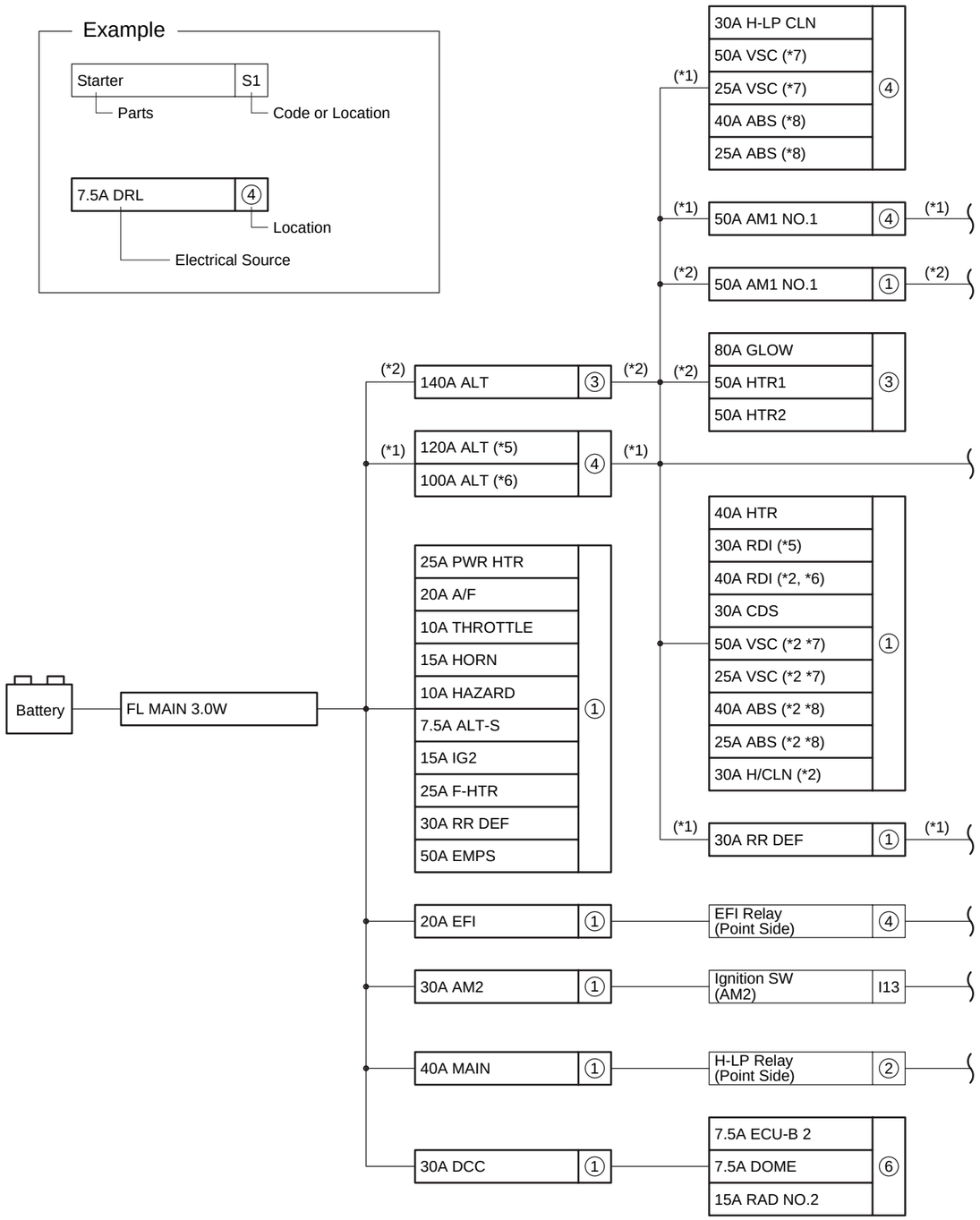
⑦ : Driver Side J/B (See Page 30)



* 1:Gasoline
* 2:1CD-FTV
* 3:w/ Daytime Running Light
* 4:w/o Daytime Running Light
* 5:1AZ-FSE, 1AZ-FE
* 6:1ZZ-FE, 3ZZ-FE
* 7:w/ VSC
* 8:w/o VSC

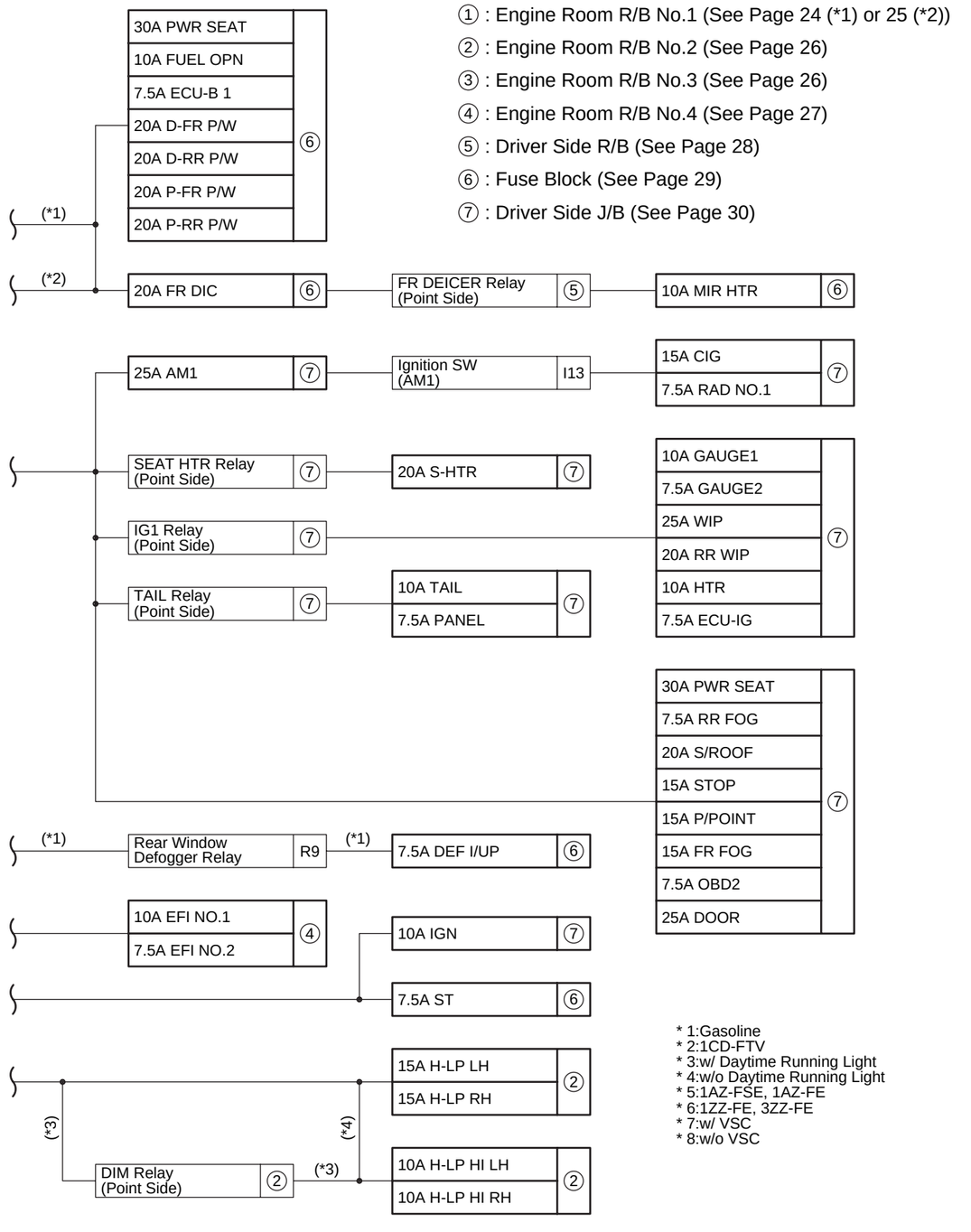
J POWER SOURCE (Current Flow Chart)

The chart below shows the route by which current flows from the battery to each electrical source (Fusible Link, Circuit Breaker, Fuse, etc.) and other Parts.



[LOCATION]

① : Engine Room R/B No.1 (See Page 24 (*1) or 25 (*2))
② : Engine Room R/B No.2 (See Page 26)
③ : Engine Room R/B No.3 (See Page 26)
④ : Engine Room R/B No.4 (See Page 27)
⑤ : Driver Side R/B (See Page 28)
⑥ : Fuse Block (See Page 29)
⑦ : Driver Side J/B (See Page 30)

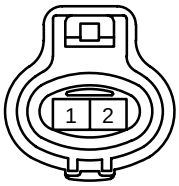


* 1:Gasoline
* 2:1CD-FTV
* 3:w/ Daytime Running Light
* 4:w/o Daytime Running Light
* 5:1AZ-FSE, 1AZ-FE
* 6:1ZZ-FE, 3ZZ-FE
* 7:w/ VSC
* 8:w/o VSC

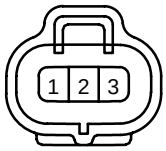
K CONNECTOR LIST

A 1
Gray

A 2
Black



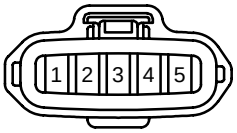
A 3
Black



A 4

A 5

A 6
Black



A 7
Gray

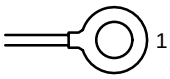
A 8
Gray

A 9
Yellow

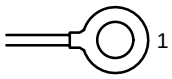
A10
Yellow

A11
Black

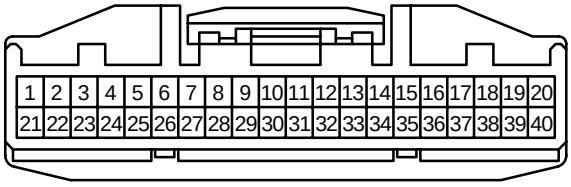
A12
(Except 1CD–FTV)



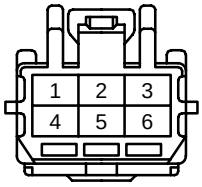
A12
(1CD–FTV)



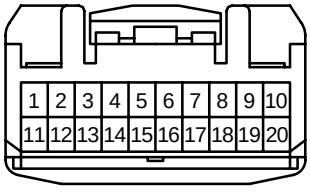
A13



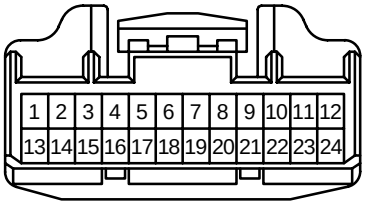
A14



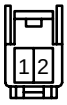
A15



A16



A17
Black



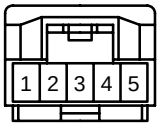
A18
Black

A19

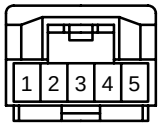
A20
Black

A21
Black

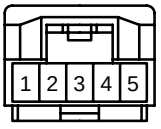
A22
Black



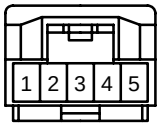
A23
Black



A24
Black

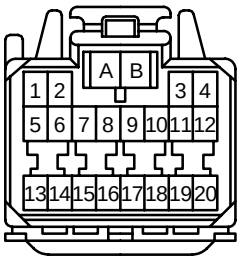


A25
Black

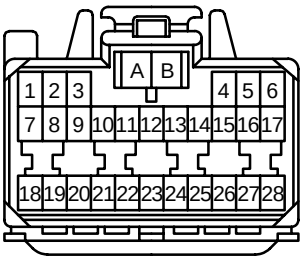


*1 : 1AZ–FSE, 1AZ–FE

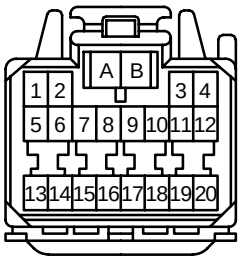
A26
Yellow



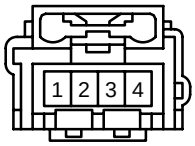
A27
Yellow



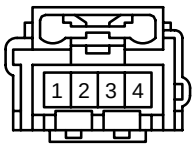
A28
Yellow



A29
Yellow



A30
Yellow



A31

A32

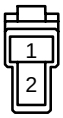
A33

B 1
Gray

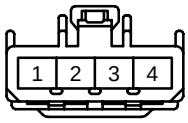
B 2
Black

B 3
Black

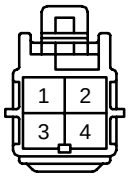
B 4



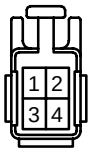
B 5
Black



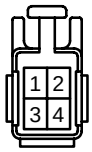
B 6
Black



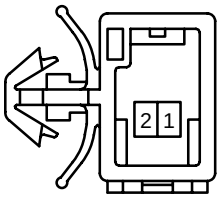
B 7
(L/B)



B 7
(W/G) Blue

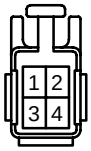


B 8



B 9
Gray

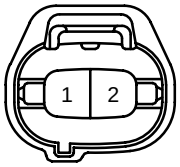
B10



C 1
Black

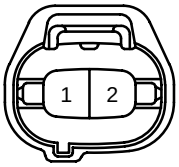
C 2
Black

C 3
Gray



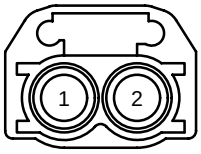
C 4

C 5
Black



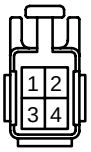
C 6
(*1) Gray

C 6
(1CD–FTV) Black

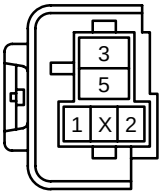


C 6
(1ZZ–FE, 3ZZ–FE) Black

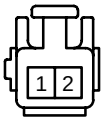
C 7
Black



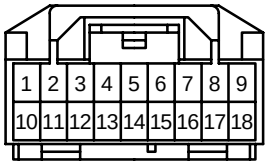
C 8



C 9

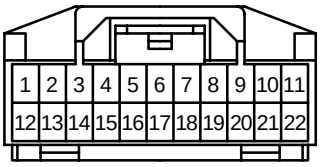


C10
Blue

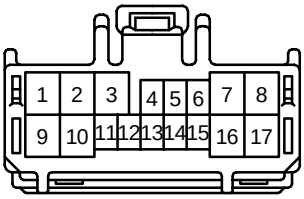


K CONNECTOR LIST

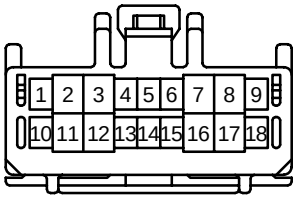
C11



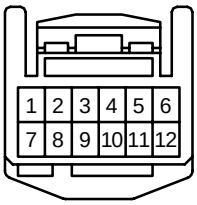
C12



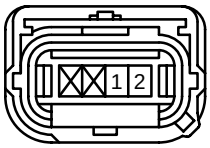
C13
Black



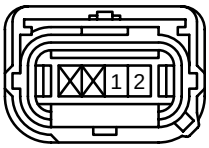
C14



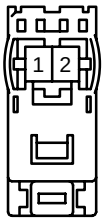
C15
Yellow



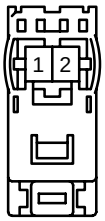
C16
Yellow



C17
Black

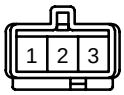


C18
Black



D 1
Black

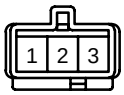
D 2



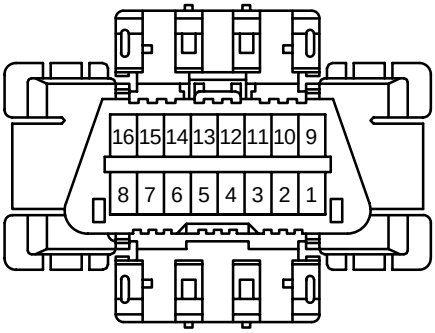
D 3
Black

D 4
(Except 1CD–FTV)

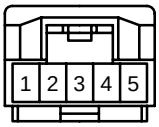
D 4
(1CD–FTV)



D 5



D 6



D 7

D 8

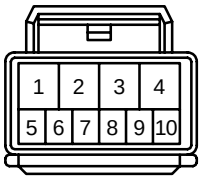
D 9

D10

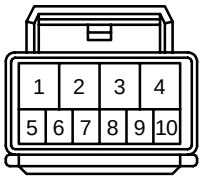
D11

D12

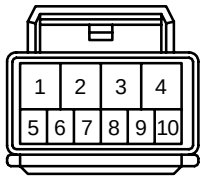
D13



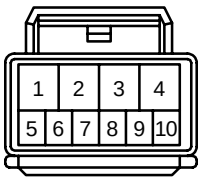
D14



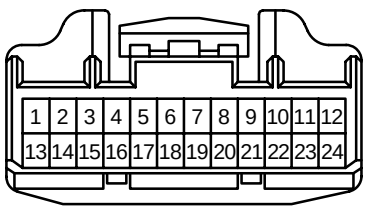
D15



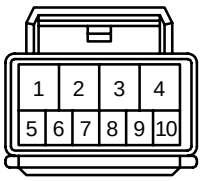
D16



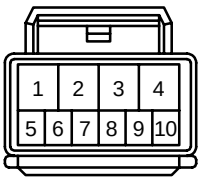
D17



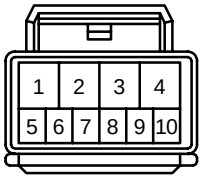
D18



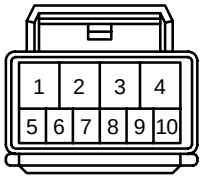
D19



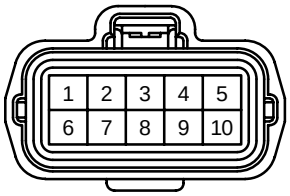
D20



D21



E 1
Gray

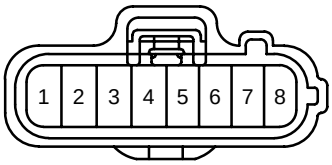


E 2
(Except 1AZ–FE) Gray

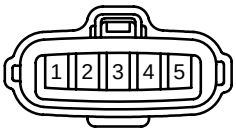
E 2
(1AZ–FE) Gray

E 3
Black

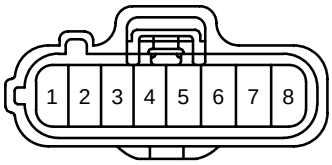
E 4
Black



E 5
(1AZ–FSE) Black



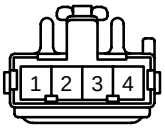
E 5
(1CD–FTV) Dark Gray



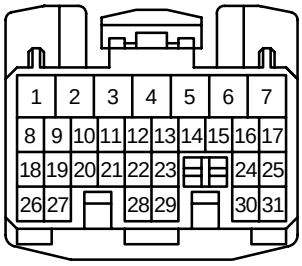
E 6
Black

E 7
Gray

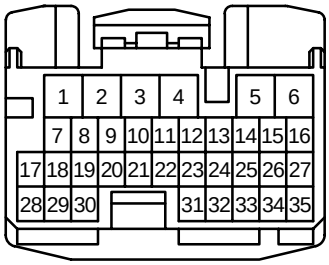
E 8
Black



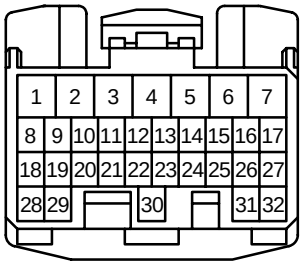
E 9



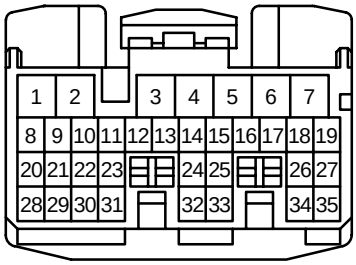
E10



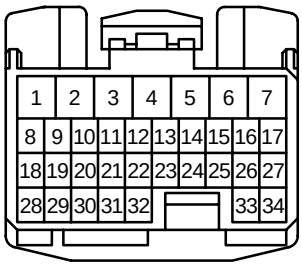
E11



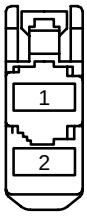
E12



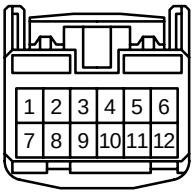
E13



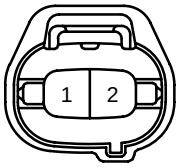
E14
Gray



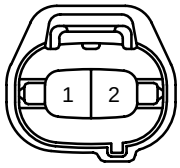
E15



F 1
Black

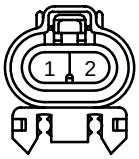


F 2
Black

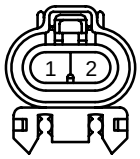


K CONNECTOR LIST

F 3
Brown



F 4
Brown



F 5
Gray

F 6
Gray

F 7

F 8

F 9

F10

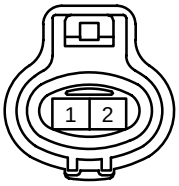
F11
Black

F12
Black

F13
Gray

F14
Gray

F15
Gray



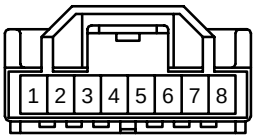
F16
(1AZ–FSE) Gray

F16
(1CD–FTV) Black

F17
Black

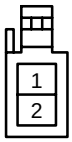
F18
Gray

F19

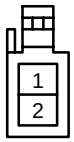


F20
Black

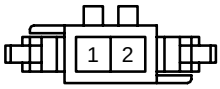
F21
Black



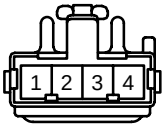
F22
Black



F23
Black

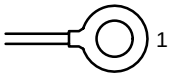


F24

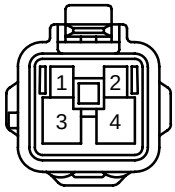


F25
Gray

G 1



G 2
Gray

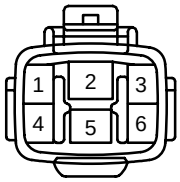


G 3
Black

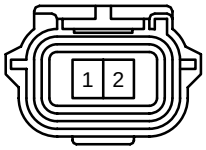
H 1
Gray

H 2
Gray

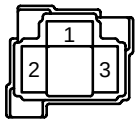
H 3
Black



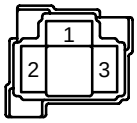
H 4
Black



H 5



H 6



H 7
(1AZ–FSE) Gray

H 7
(1ZZ–FE, 3ZZ–FE) Gray

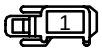
H 8
Black

H 9
Gray

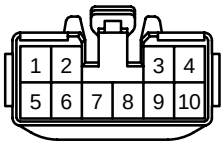
H10
Black

H11
Black

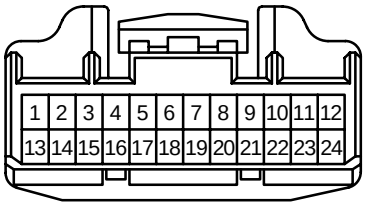
H12
Black



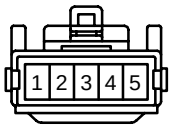
H13
Black



H14



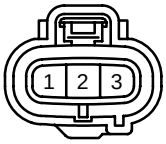
H15



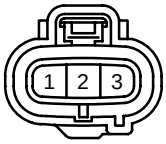
H16
Black

H17
Gray

H18
Black

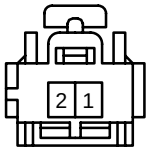


H19
Black



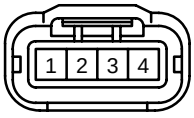
H20
(L/B)

H20
(S/D) Gray

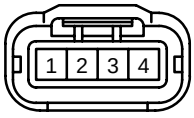


H20
(W/G) Black

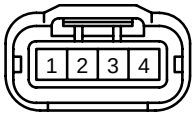
I 1
Black



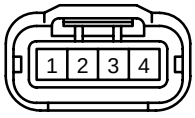
I 2
Gray



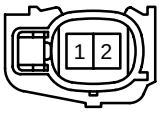
I 3
Black



I 4
Gray

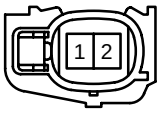


I 5
(Except 1AZ–FSE) Black



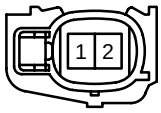
I 5
(1AZ–FSE) Black

I 6
(Except 1AZ–FSE) Gray



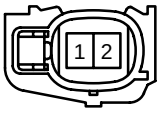
I 6
(1AZ–FSE) Gray

I 7
(Except 1AZ–FSE) Black



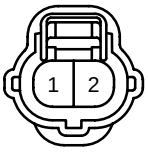
I 7
(1AZ–FSE) Black

I 8
(Except 1AZ–FSE) Gray



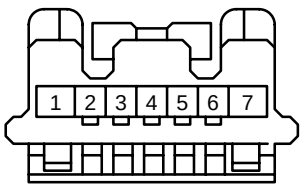
I 8
(1AZ–FSE) Gray

I 9
Gray

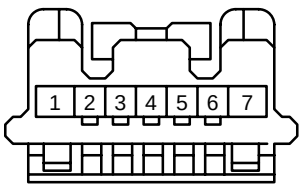


I10
Black

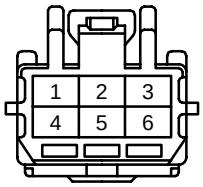
I11
Black



I12
Black

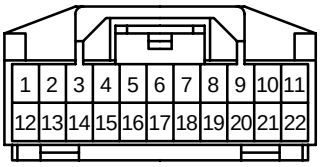


I13

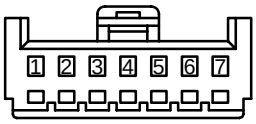


K CONNECTOR LIST

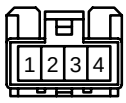
I14



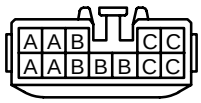
I15
Black



I16

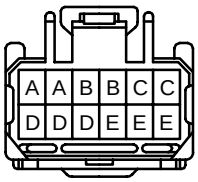


J 1
Gray

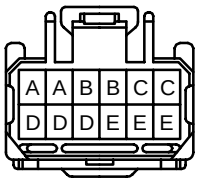


J 2
Black

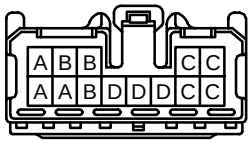
J 3



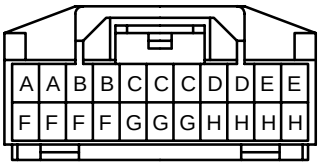
J 4



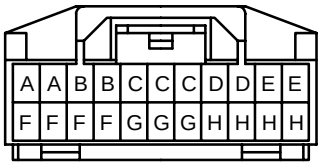
J 5



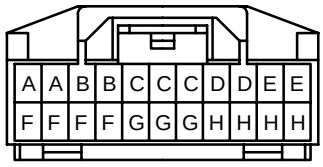
J 6



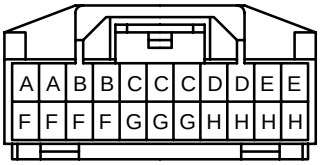
J 7



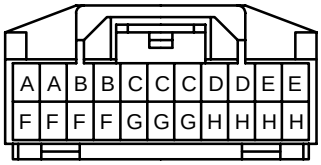
J 8
Black



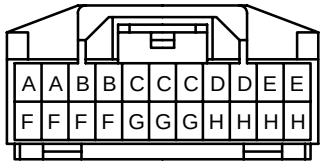
J 9
Black



J10
Gray



J11
Gray



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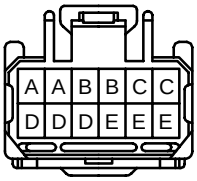

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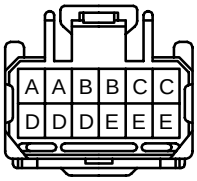

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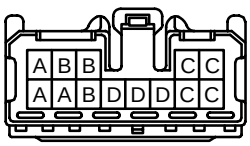

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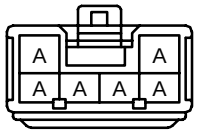

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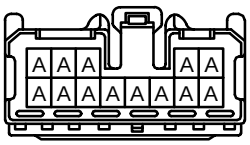

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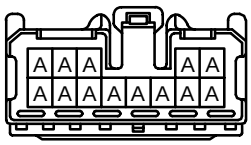

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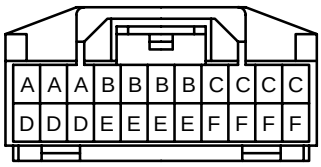

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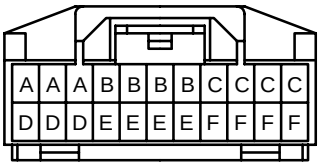

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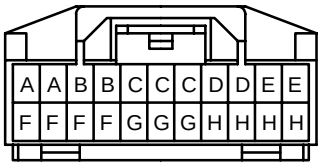

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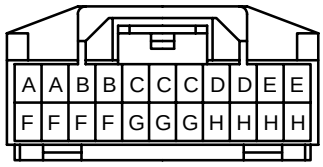

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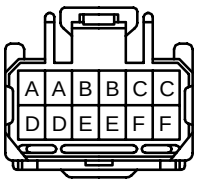

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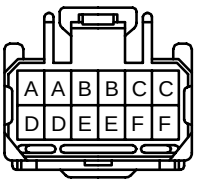

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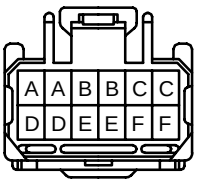

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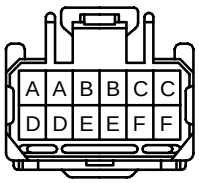

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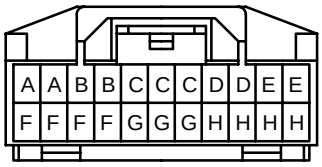

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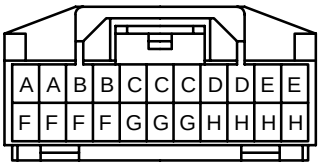

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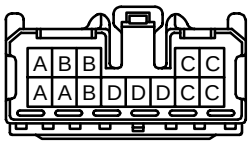

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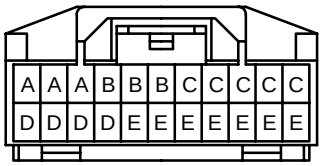

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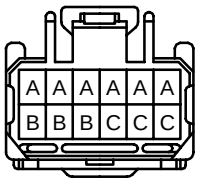

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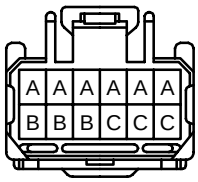

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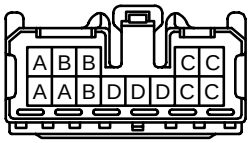

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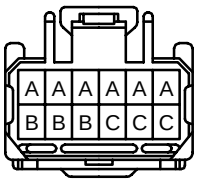

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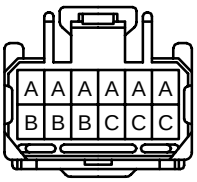

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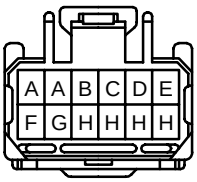

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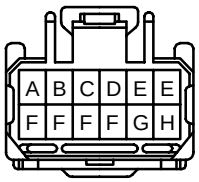

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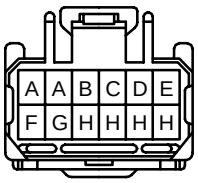

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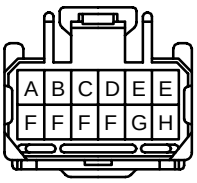
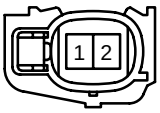
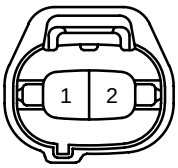


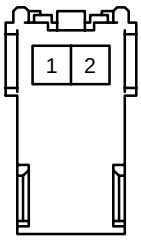
K 1
Black



K 2
Black



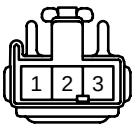
K 3
Yellow



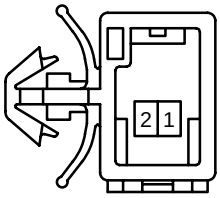
L 1
Black

L 2
Black

L 3
Black



L 4



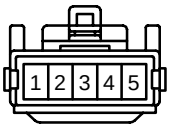
L 5

L 6

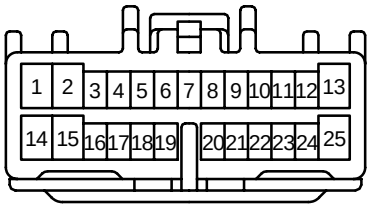
K CONNECTOR LIST

*2 : w/ Navigation System (Map Type)
*3 : w/o Navigation System (Map Type)
*4 : Power Heater (Combustion Type)
*5 : Power Heater (Hot Gas Type)

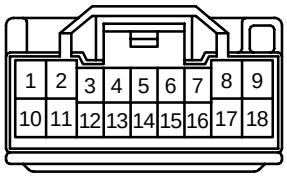
L 7



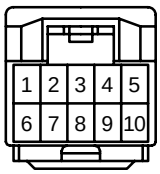
M 1 (*2)



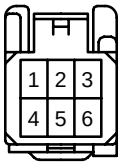
M 1 (*3)



M 2 (*2)

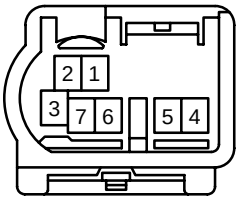


M 2 (*3)

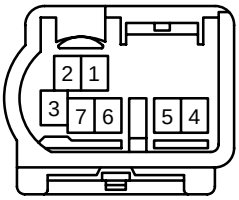


M 3

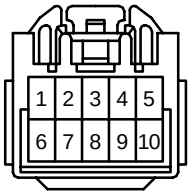
M 4



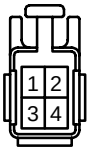
M 5



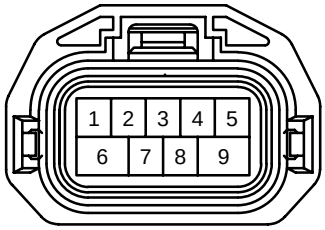
M 6 Gray



M 7

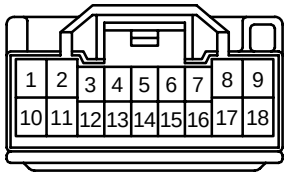


N 1 Gray

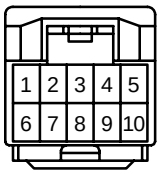


N 2 Gray

N 3



N 4



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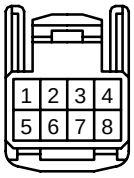

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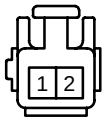
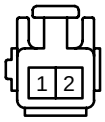
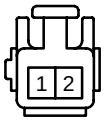


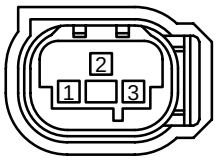
N 7



N 8



O 1 Black



O 2 Gray

P 1 Black

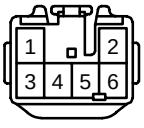
P 2 Black

P 3 Gray

P 4 Black

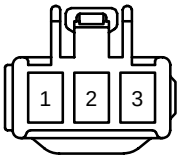
P 5 (*4) Gray

P 5 (*5)

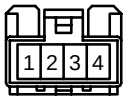


P 6 Black

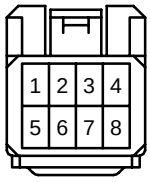
P 7



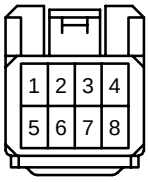
P 8



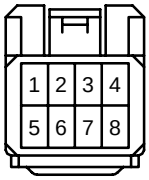
P 9



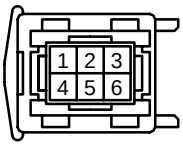
P10



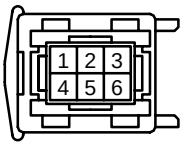
P11



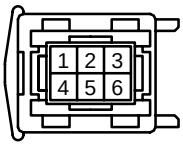
P12
Gray



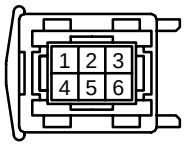
P13
Gray



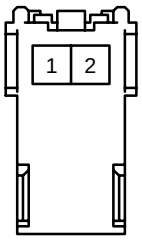
P14
Gray



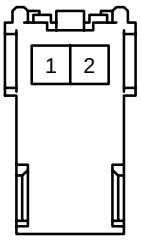
P15
Gray



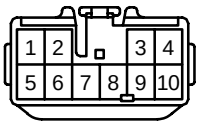
P16
Yellow



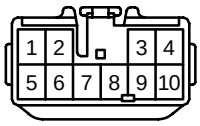
P17
Yellow



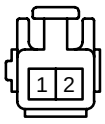
P18
Black



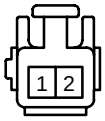
P19
Black



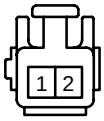
P20



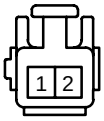
P21
Black



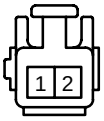
P22



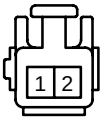
P23
Blue



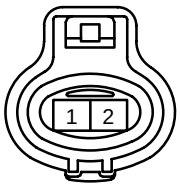
P24



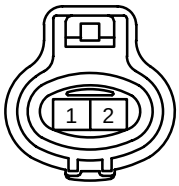
P25
Blue



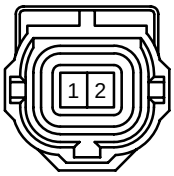
R 1
Gray



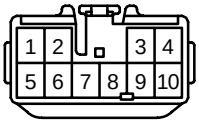
R 2
Black



R 3
Red

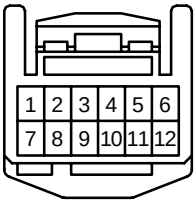


R 4

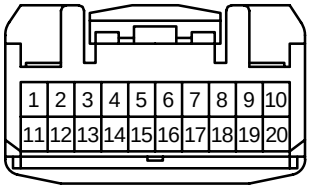


R 5

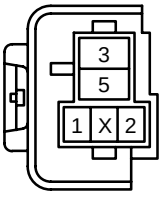
R 6



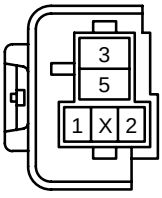
R 7



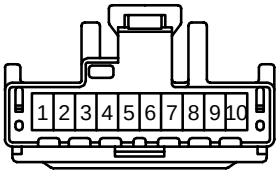
R 8



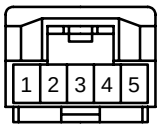
R 9



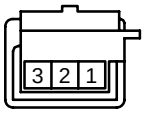
R10



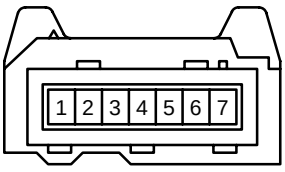
R11



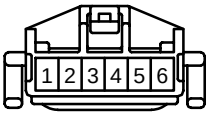
R12
Black



R13
(Except W/G) Black



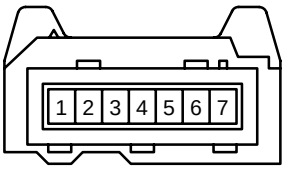
R13
(W/G)



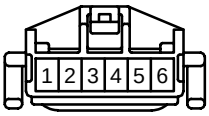
K CONNECTOR LIST

*1 : 1AZ–FSE, 1AZ–FE
*6 : 1AZ–FE, 1ZZ–FE, 3ZZ–FE

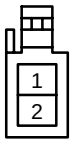
R14
(Except W/G) Black



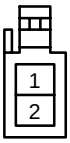
R14
(W/G)



R15
Black



R16
Black



R17

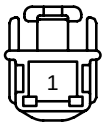
R18
(L/B)

R18
(S/D, W/G)

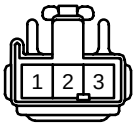
R19
(L/B)

R19
(S/D)

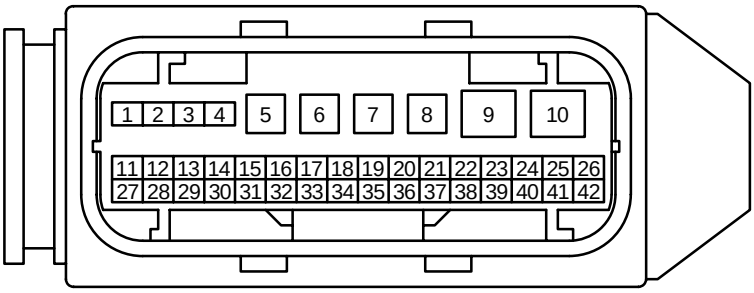
R19
(W/G)



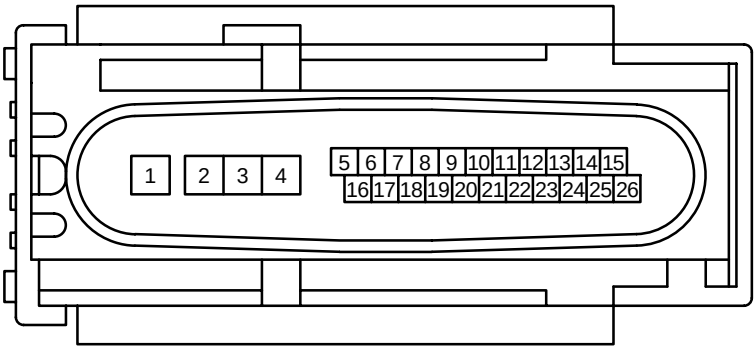
R20
Black



S 1
Black



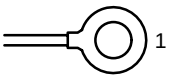
S 2
Black



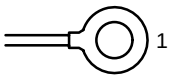
S 3
Gray

S 4
Black

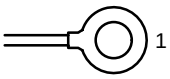
S 5
(*1)



S 5
(1CD–FTV)

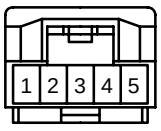


S 5
(1ZZ–FE, 3ZZ–FE)

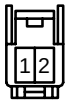


S 6
Gray

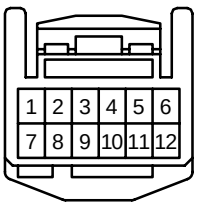
S 7
Black



S 8
Black



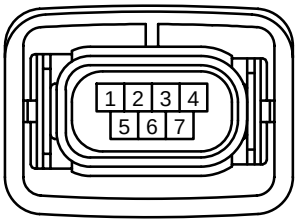
S 9



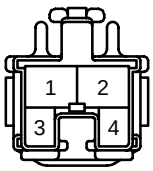
S10
Black

S11
Black

S12
Black

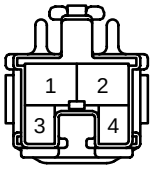


S13
(*6) Black

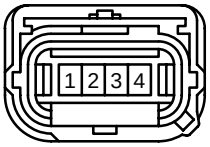


*7 : 1AZ–FSE, 1CD–FTV
*8 : w/ Curtain Shield Airbag
*9 : w/o Curtain Shield Airbag

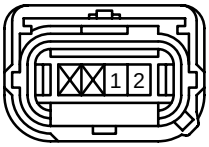
S13
(*7)



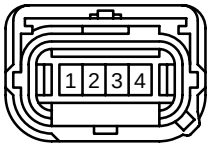
S14
(*8) Yellow



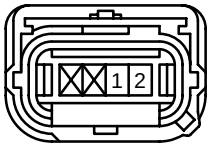
S14
(*9) Yellow



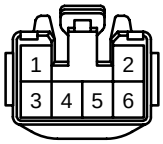
S15
(*8) Yellow



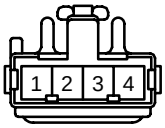
S15
(*9) Yellow



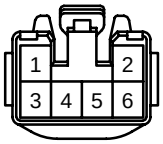
S16
(w/ Power Seat) Gray



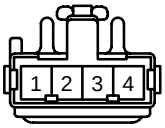
S16
(w/o Power Seat)



S17
(w/ Power Seat) Gray



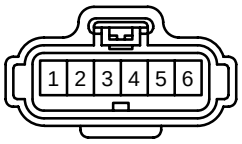
S17
(w/o Power Seat)



S18
Yellow

S19
Yellow

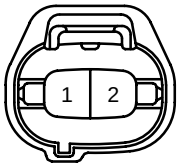
T 1
Black



T 2
Black

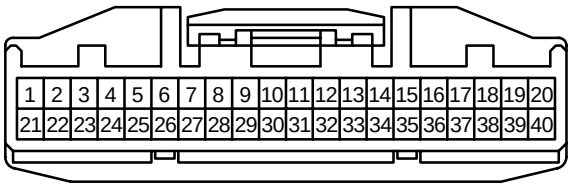
T 3
Gray

T 4
Black

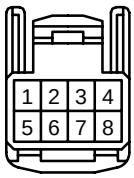


T 5
Black

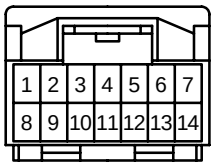
T 6



T 7



T 8



T 9
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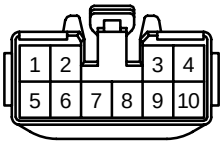
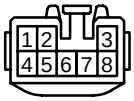
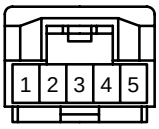


T10
Black



T11



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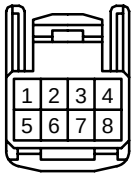
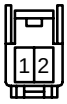
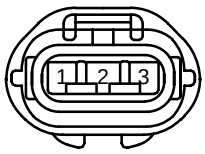


T13



T14
Black

T15
Black



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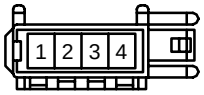

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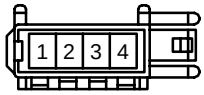
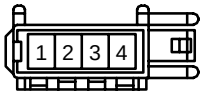
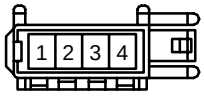


T18



T19



U 1
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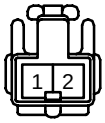


V 1
Black

V 2
Black

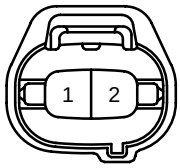
K CONNECTOR LIST

V 3
Black

V 4
Black

V 5
Blue

V 6
Brown



V 7
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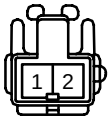

V 8

V 9

W 1

W 2
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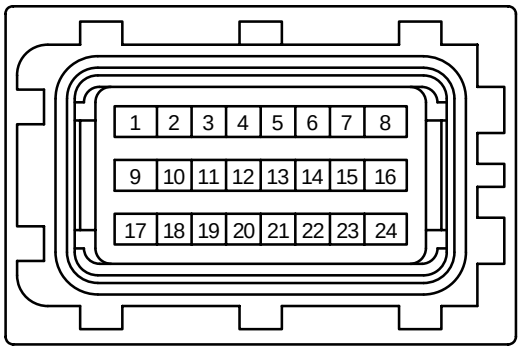
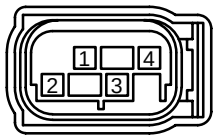
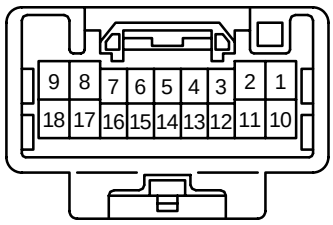


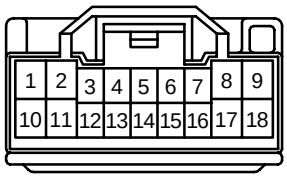
Y 1
Black



Z 1



Z 2



L PART NUMBER OF CONNECTORS

Code	Part Name	Part Number
A 1	A/C Ambient Temp. Sensor	90980–11030
A 2	A/C Condenser Fan Motor	90980–10928
A 3	A/C Pressure Sensor	90980–10845
A 4	ABS Speed Sensor Front LH	90980–11003
A 5	ABS Speed Sensor Front RH	
A 6	Air Flow Meter	90980–11317
A 7	Air Fuel Ratio Sensor (Bank 1 Sensor 1)	90980–11178
A 8	Air Fuel Ratio Sensor (Bank 2 Sensor 1)	90980–10869
A 9	Airbag Sensor Front LH	90980–11856
A10	Airbag Sensor Front RH	
A11	Alternator	90980–11964
A12	Alternator (Except 1CD–FTV)	90980–09212
	Alternator (1CD–FTV)	90980–09213
A13	A/C Control Assembly	90980–12169
A14	A/C Control Assembly	90980–11778
A15	A/C Control Assembly	90980–12259
A16	A/C Control Assembly	90980–12200
A17	A/C Room Temp. Sensor	90980–11918
A18	A/C Solar Sensor	90980–11987
A19	A/C Thermistor	90980–11918
A20	Accel Position Sensor	90980–11144
A21	Air Inlet Control Servo Motor	90980–11987
A22	Air Mix Control Servo Motor	90980–11909
A23	Air Mix Control Servo Motor (Driver Side)	
A24	Air Mix Control Servo Motor (Front Passenger Side)	
A25	Air Vent Mode Control Servo Motor	
A26	Airbag Sensor Assembly	82824–50160
A27	Airbag Sensor Assembly	90980–11872
A28	Airbag Sensor Assembly	82824–50150
A29	Airbag Squib (Front Passenger Airbag Assembly)	90980–12160
A30	Airbag Squib (Steering Wheel Pad)	
A31	Antenna Amplifier	90980–10870
A32	ABS Speed Sensor Rear LH	90980–11060
A33	ABS Speed Sensor Rear RH	
B 1	Back–Up Light SW	90980–10576
B 2	Brake Booster Pressure Sensor	90980–10845
B 3	Brake Fluid Level Warning SW	90080–98001
B 4	Blower Motor	90980–10214
B 5	Blower Motor Controller	90980–11676
B 6	Blower Resistor	90980–11136
B 7	Back Door Courtesy SW	90980–10795
	Back Door Lock Motor	
B 8	Back Door Opener SW	90980–11967
B 9	Buckle SW (Driver's Side)	90980–10942

Code	Part Name	Part Number
B10	Buckle SW (Front Passenger's Side)	90980–10795
	Occupant Detection Sensor	
C 1	Camshaft Position Sensor	90980–10947
C 2	Camshaft Timing Oil Control Valve	90980–11162
C 3	Compressor Assembly	90980–11156
C 4	Condenser Assembly	90980–11003
C 5	Counter Gear Speed Sensor	90980–11156
C 6	Crankshaft Position Sensor (1AZ–FSE, 1AZ–FE)	90980–10947
	Crankshaft Position Sensor (1CD–FTV)	90980–12028
	Crankshaft Position Sensor (1ZZ–FE, 3ZZ–FE)	90980–10947
C 7	Cigarette Lighter	90980–10795
	Cigarette Lighter Illumination	
C 8	Circuit Opening Relay	82660–05020
C 9	Clutch Start SW	90980–10825
C10	Combination Meter	90980–11913
C11	Combination Meter	90980–11915
C12	Combination SW	90980–11672
C13	Combination SW	90980–11594
C14	Combination SW	90980–12183
C15	Curtain Shield Airbag Sensor LH	90980–12352
C16	Curtain Shield Airbag Sensor RH	
C17	Curtain Shield Airbag Squib LH	90980–12219
C18	Curtain Shield Airbag Squib RH	
D 1	Diesel Throttle Control Motor	90980–11144
D 2	Diode	90980–11071
D 3	Diode	90980–10962
D 4	Diode (Fan) (Except 1CD–FTV)	90980–11608
	Diode (Fan) (1CD–FTV)	90980–11071
D 5	DLC3	90980–11665
D 6	Door Control Receiver	90980–11909
D 7	Door Courtesy Light LH	90980–11148
D 8	Door Courtesy Light RH	
D 9	Door Courtesy SW Front LH	90980–10871
D10	Door Courtesy SW Front RH	
D11	Door Courtesy SW Rear LH	
D12	Door Courtesy SW Rear RH	
D13	Door Key Lock and Unlock SW (Driver's Side)	90980–12226
	Door Lock Control Motor (Driver's Side)	
	Door Unlock Detection SW (Driver's Side)	

Note: Not all of the above part numbers of the connector are established for the supply.

Code	Part Name	Part Number
D14	Door Key Lock and Unlock SW (Driver's Side)	90980–12226
	Door Lock Control Motor (Driver's Side)	
	Door Unlock Detection SW (Driver's Side)	
	Double Lock Motor (Driver's Side)	
	Double Lock Position SW (Driver's Side)	
D15	Door Lock Control Motor (Front Passenger's Side)	
D16	Door Lock Control Motor (Front Passenger's Side)	
	Door Unlock Detection SW (Front Passenger's Side)	
	Double Lock Motor (Front Passenger's Side)	
	Double Lock Position SW (Front Passenger's Side)	
D17	Door Lock Control SW	90980–12200
	Power Window Master SW	
D18	Door Lock Motor Rear LH	90980–12226
D19	Door Lock Motor Rear LH	
	Door Unlock Detection SW Rear LH	
	Double Lock Motor Rear LH	
	Double Lock Position SW Rear LH	
D20	Door Lock Motor Rear RH	
D21	Door Lock Motor Rear RH	
	Door Unlock Detection SW Rear RH	
	Double Lock Motor Rear RH	
	Double Lock Position SW Rear RH	
E 1	ECT Solenoid	90980–11658
E 2	EFI Water Temp. Sensor (Except 1AZ–FE)	90980–10737
	EFI Water Temp. Sensor (1AZ–FE)	90980–10735
E 3	EGR Valve Control Motor	90980–11144
E 4	Electronic Driver Unit	90980–11592
E 5	Electronic Driver Unit (1AZ–FSE)	90980–11024
	Electronic Driver Unit (1CD–FTV)	90980–11593
E 6	Engine Hood Courtesy SW	90980–10554
E 7	Engine Oil Level Sensor	90980–11235
E 8	ECT Pattern Select SW	90980–11013
E 9	Engine and ECT ECU (A/T)	90980–12142
	Engine ECU (M/T)	
E10	Engine and ECT ECU (A/T)	90980–12146
	Engine ECU (M/T)	
E11	Engine and ECT ECU (A/T)	90980–12143
	Engine ECU (M/T)	
E12	Engine and ECT ECU (A/T)	90980–12145
	Engine ECU (M/T)	
E13	Engine and ECT ECU (A/T)	90980–12144
	Engine ECU (M/T)	

Code	Part Name	Part Number
E14	EPS ECU	90980–12300
E15	EPS ECU	90980–12290
F 1	Front Clearance Light LH	90980–11149
F 2	Front Clearance Light RH	
F 3	Front Fog Light LH	90980–11660
F 4	Front Fog Light RH	
F 5	Front Side Turn Signal Light LH	90980–11162
F 6	Front Side Turn Signal Light RH	
F 7	Front Turn Signal Light LH	90980–10942
	Headlight Control ECU LH	
F 8	Front Turn Signal Light LH	
	Headlight LH (Low)	
F 9	Front Turn Signal Light RH	
	Headlight Control ECU RH	
F10	Front Turn Signal Light RH	
	Headlight RH (Low)	
F11	Front Washer Motor	90080–98117
F12	Front Window Deicer	90980–11155
F13	Front Wiper Motor	90980–11599
F14	Fuel Filter Warning SW	90980–11002
F15	Fuel Heater	90980–10928
F16	Fuel Pressure Sensor (1AZ–FSE)	90980–11451
	Fuel Pressure Sensor (1CD–FTV)	90980–11194
F17	Fuel Pump	90080–98001
F18	Fuel Temp. Sensor	90980–10737
F19	Front Passenger's Seat Belt Warning Light	90980–11989
	Rear Window Defogger SW	
	Security Indicator Light	
F20	Front Wiper Deicer SW	90980–10797
F21	Front Door Speaker LH	90080–98157
F22	Front Door Speaker RH	
F23	Fuel Lid Opener Motor	90080–98313
F24	Fuel Lid Opener SW	90980–11013
F25	Fuel Pump	90980–11077
	Fuel Sender	
G 1	Glow Plug	99141–13006
G 2	Glow Plug Relay	90980–11569
G 3	Glove Box Light	90980–11098
H 1	Headlight Beam Level Control Actuator LH	90980–11016
H 2	Headlight Beam Level Control Actuator RH	
H 3	Headlight Cleaner Control Relay	90980–10939
H 4	Headlight Cleaner Motor	90080–98116
H 5	Headlight LH (High)	90980–11314
H 6	Headlight RH (High)	

L PART NUMBER OF CONNECTORS

Code	Part Name	Part Number
H 7	Heated Oxygen Sensor (Bank 1 Sensor 1) (1AZ–FSE)	90980–11028
	Heated Oxygen Sensor (Bank 1 Sensor 1) (1ZZ–FE, 3ZZ–FE)	90980–10869
H 8	Heated Oxygen Sensor (Bank 1 Sensor 2)	90980–11028
H 9	Heated Oxygen Sensor (Bank 2 Sensor 1)	90980–10869
H10	Heated Oxygen Sensor (Bank 2 Sensor 2)	90980–11028
H11	Horn LH	90980–10619
H12	Horn RH	
H13	Hazard SW	90980–10801
H14	Headlight Beam Level Control ECU	90980–12200
H15	Headlight Beam Level Control SW	90980–10789
H16	Headlight Cleaner SW	90980–10601
H17	Heated Oxygen Sensor (Bank 1 Sensor 2)	90980–11930
H18	Height Control Sensor (Front)	90980–11860
H19	Height Control Sensor (Rear)	
H20	High Mounted Stop Light (L/B)	90980–10320
	High Mounted Stop Light (S/D)	90980–WB002
	High Mounted Stop Light (W/G)	90980–11148
I 1	Ignition Coil and Igniter No.1	90980–11885
I 2	Ignition Coil and Igniter No.2	
I 3	Ignition Coil and Igniter No.3	
I 4	Ignition Coil and Igniter No.4	
I 5	Injector No.1 (Except 1AZ–FSE)	90980–11875
	Injector No.1 (1AZ–FSE)	90980–12117
I 6	Injector No.2 (Except 1AZ–FSE)	90980–11875
	Injector No.2 (1AZ–FSE)	90980–12117
I 7	Injector No.3 (Except 1AZ–FSE)	90980–11875
	Injector No.3 (1AZ–FSE)	90980–12117
I 8	Injector No.4 (Except 1AZ–FSE)	90980–11875
	Injector No.4 (1AZ–FSE)	90980–12117
I 9	Intake Air Temp. Sensor	90980–11025
I10	ISC Valve	90980–11145
I11	Ignition Key Cylinder Light	90980–12092
I12	Ignition Key Cylinder Light	
	Transponder Key Amplifier	
I13	Ignition SW	90980–11778
I14	Integration Relay	90980–11915
I15	Inner Mirror	90980–11794
I16	Interior Light	90980–11950
J 1	Junction Connector	90980–10803
J 2	Junction Connector	
J 3	Junction Connector	90980–11661
J 4	Junction Connector	
J 5	Junction Connector	90980–11542
J 6	Junction Connector	90980–11915
J 7	Junction Connector	

Code	Part Name	Part Number
J 8	Junction Connector	90980–11915
J 9	Junction Connector	
J10	Junction Connector	
J11	Junction Connector	
J12	Junction Connector	90980–11661
J13	Junction Connector	
J14	Junction Connector	90980–11542
J15	Junction Connector	90980–10976
J16	Junction Connector	90980–11542
J17	Junction Connector	
J18	Junction Connector	90980–11915
J19	Junction Connector	
J20	Junction Connector	
J21	Junction Connector	
J22	Junction Connector	90980–11661
J23	Junction Connector	
J24	Junction Connector	
J25	Junction Connector	
J26	Junction Connector	90980–11915
J27	Junction Connector	
J28	Junction Connector	90980–11542
J29	Junction Connector	90980–11915
J30	Junction Connector	90980–11661
J31	Junction Connector	
J32	Junction Connector	90980–11542
J33	Junction Connector	90980–11661
J34	Junction Connector	
J35	Junction Connector	
J36	Junction Connector	
J37	Junction Connector	
J38	Junction Connector	
K 1	Knock Sensor	90980–11875
K 2	Kick Down SW	90980–11156
K 3	Knee Airbag Squib	90980–12253
L 1	License Plate Light LH	90080–98001
L 2	License Plate Light RH	
L 3	Luggage Compartment Door Lock Motor	90980–10908
	Luggage Compartment Light SW	
L 4	Luggage Compartment Door Opener SW	90980–11967
L 5	Luggage Compartment Light	90980–11148
L 6	Lumbar Support Control Motor	90980–10825
L 7	Lumbar Support Control SW	90980–10789
M 1	Multi–Display (w/ Navigation System (Map Type))	90980–11877
	Multi–Display (w/o Navigation System (Map Type))	90980–11973

Note: Not all of the above part numbers of the connector are established for the supply.

Code	Part Name	Part Number
M 2	Multi–Display (w/ Navigation System (Map Type))	90980–11923
	Multi–Display (w/o Navigation System (Map Type))	90980–12209
M 3	Multi–Display	90980–10871
M 4	Mirror Heater LH	90980–12059
	Remote Control Mirror LH	
M 5	Mirror Heater RH	
	Remote Control Mirror RH	
M 6	Moon Roof Control Relay and Motor	82824–05030
M 7	Moon Roof Control SW	90980–10795
N 1	Neutral Start SW	90980–11784
N 2	Noise Filter (Ignition)	90980–10843
N 3	Navigation ECU	90980–11973
N 4	Navigation ECU	90980–11923
N 5	Navigation ECU	90980–12221
N 6	Noise Filter (Rear Window Defogger No.1)	90980–10825
N 7	Noise Filter (Rear Window Defogger No.2)	
N 8	Noise Filter (Stop Light)	
O 1	Oil Pressure Sensor	90080–98200
O 2	Oil Pressure SW	90980–11363
P 1	Power Heater Assembly	90980–10897
P 2	Power Steering Oil Pressure SW	90980–11428
P 3	Pressure Discharge Valve	90980–11285
P 4	Parking Brake SW	90980–10871
P 5	Power Heater SW	90980–10996
P 6	Power Outlet	90080–98182
P 7	PTC Heater	90980–11685
P 8	Personal Light	90980–11950
P 9	Power Window Control SW (Front Passenger Side)	90980–12113
P10	Power Window Control SW Rear LH	
P11	Power Window Control SW Rear RH	
P12	Power Window Motor Front LH	90080–98276
P13	Power Window Motor Front RH	
P14	Power Window Motor Rear LH	
P15	Power Window Motor Rear RH	
P16	Pretensioner LH	90980–12253
P17	Pretensioner RH	
P18	Power Seat Control SW (Driver's Seat)	90980–10997
P19	Power Seat Control SW (Front Passenger's Seat)	
P20	Power Seat Motor (Driver's Seat Front Vertical Control)	90980–10825
P21	Power Seat Motor (Driver's Seat Lifter Control)	
P22	Power Seat Motor (Driver's Seat Reclining Control)	

Code	Part Name	Part Number
P23	Power Seat Motor (Driver's Seat Slide Control)	90980–10825
P24	Power Seat Motor (Front Passenger's Seat Reclining Control)	
P25	Power Seat Motor (Front Passenger's Seat Slide Control)	
R 1	Radiator Fan Motor	90980–10928
R 2	Radiator Fan Resistor	
R 3	Rear Washer Motor	90080–98117
R 4	Radio and Player	90980–10997
R 5	Radio and Player	90980–10996
R 6	Radio and Player	90980–12183
R 7	Radio and Player	90980–12259
R 8	Rear Fog Light Relay	82660–05010
R 9	Rear Window Defogger Relay	82660–05020
R10	Remote Control Mirror SW	90980–11657
R11	Remote Controller (Navigation)	90980–11909
R12	Rain Sensor	90080–98309
R13	Rear Combination Light LH (Except W/G)	90080–98175
	Rear Combination Light LH (W/G)	90980–10964
R14	Rear Combination Light RH (Except W/G)	90080–98175
	Rear Combination Light RH (W/G)	90980–10964
R15	Rear Door Speaker LH	90080–98157
R16	Rear Door Speaker RH	
R17	Rear Interior Light	90980–11148
R18	Rear Window Defogger (L/B)	90980–11258
	Rear Window Defogger (S/D, W/G)	90980–11259
R19	Rear Window Defogger (L/B)	90980–11258
	Rear Window Defogger (S/D)	90980–10786
	Rear Window Defogger (W/G)	90980–11259
R20	Rear Wiper Motor and Relay	90980–10908
S 1	Skid Control ECU with Actuator	90080–98278
S 2	Skid Control ECU with Actuator	90980–WB001
S 3	Spill Valve	90980–12117
S 4	Starter	90980–11400
S 5	Starter (1AZ–FSE, 1AZ–FE)	90980–09506
	Starter (1CD–FTV)	90980–09507
	Starter (1ZZ–FE, 3ZZ–FE)	90980–09463
S 6	Suction Control Valve	90980–11285
S 7	Seat Heater SW	90980–11909
S 8	Seat Heater SW	90980–11918
S 9	Shift Lock Control ECU	90980–12183
S10	Short Connector	90980–10797
S11	Short Connector	90980–10796
S12	Steering Sensor	90080–98241
S13	Stop Light SW	90980–11118

L PART NUMBER OF CONNECTORS

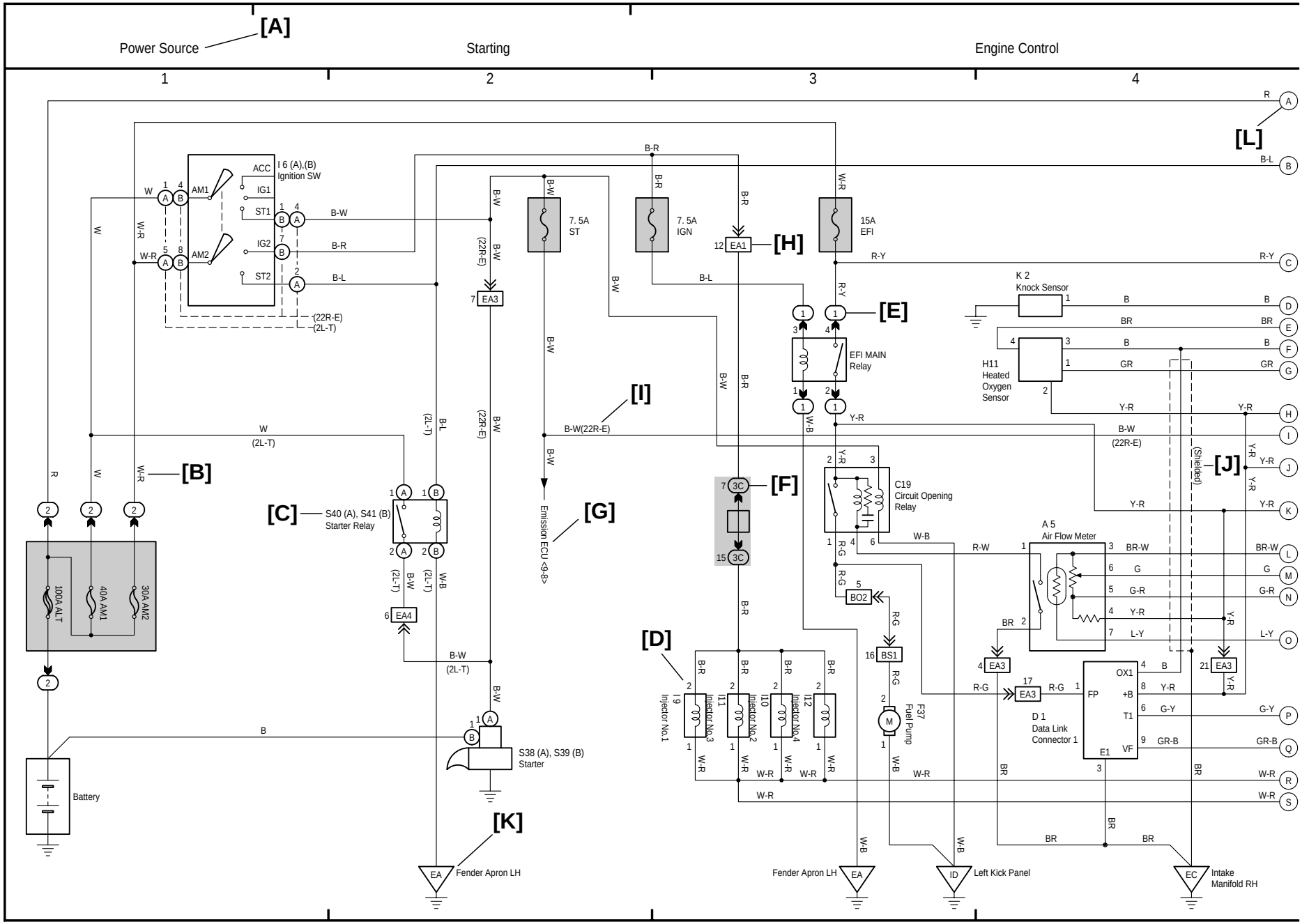
Code	Part Name	Part Number
S14	Side Airbag Sensor LH (w/ Curtain Shield Airbag)	90980–12225
	Side Airbag Sensor LH (w/o Curtain Shield Airbag)	90980–12352
S15	Side Airbag Sensor RH (w/ Curtain Shield Airbag)	90980–12225
	Side Airbag Sensor RH (w/o Curtain Shield Airbag)	90980–12352
S16	Seat Heater LH (w/ Power Seat)	90980–10797
	Seat Heater LH (w/o Power Seat)	90980–11090
S17	Seat Heater RH (w/ Power Seat)	90980–10797
	Seat Heater RH (w/o Power Seat)	90980–11090
S18	Side Airbag Squib LH	90980–11864
S19	Side Airbag Squib RH	
T 1	Throttle Control Motor and Position Sensor	90980–11858
T 2	Throttle Position Sensor	90980–11261
T 3	Throttle Position SW	90980–11038
T 4	Turbine Speed Sensor	90980–11156
T 5	Turbo Pressure Sensor	90980–10845
T 6	Theft Deterrent ECU	90980–12169
T 7	Transmission Control SW	90980–12221
T 8	Transponder Key Computer	90980–11911
T 9	TRC Off SW	90980–10801
T10	Turn Signal Flasher Relay	90980–10799
T11	Telephone Microphone Amplifier	90980–11909
T12	Theft Warning Ultrasonic Sensor	90980–12221
T13	Theft Warning Ultrasonic Sensor Rear LH	90980–11918
T14	Theft Warning Ultrasonic Sensor Rear RH	
T15	Theft Warning Siren	90980–11349
T16	Tweeter Front LH	90980–12304
T17	Tweeter Front RH	
T18	Tweeter Rear LH	
T19	Tweeter Rear RH	
U 1	Unlock Warning SW	90980–10860
V 1	Vacuum Sensor	90980–10845
V 2	Vacuum SW	90980–11252
V 3	Variable Resistor	90980–10902
V 4	VRV (EGR)	90980–11162
V 5	VSV (EVAP)	90980–10572
V 6	VSV (Intake Air Control Valve)	90980–11149
V 7	VSC Warning Buzzer	90980–10906
V 8	Vanity Light LH	90980–11918
V 9	Vanity Light RH	
W 1	Water Temp. SW (Radiator Fan)	90980–11235
W 2	Wiper Relay	90080–98318
Y 1	Yaw Rate Sensor	90080–98249
Z 1	Option Connector (Navigation ECU)	82824–30240
Z 2	Option Connector (Navigation ECU)	90980–11973

Code	Part Name	Part Number

Code	Part Name	Part Number	Code	Part Name	Part Number

HOW TO READ THIS SECTION

* The system shown here is an EXAMPLE ONLY. It is different to the actual circuit shown in the wiring diagram section.



[A] : System Title

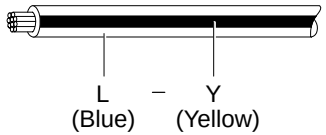
[B] : Indicates the wiring color.

Wire colors are indicated by an alphabetical code.

B	= Black	W	= White	BR	= Brown
L	= Blue	V	= Violet	SB	= Sky Blue
R	= Red	G	= Green	LG	= Light Green
P	= Pink	Y	= Yellow	GR	= Gray
O	= Orange				

The first letter indicates the basic wire color and the second letter indicates the color of the stripe.

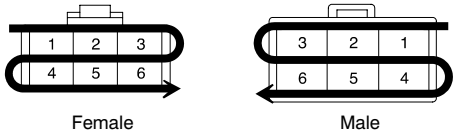
Example: L – Y



[C] : The position of the parts is the same as shown in the wiring diagram and wire routing.

[D] : Indicates the pin number of the connector. The numbering system is different for female and male connectors.

Example : Numbered in order from upper left to lower right / Numbered in order from upper right to lower left



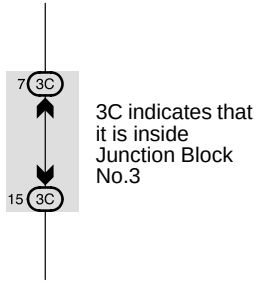
The numbering system for the overall wiring diagram is the same as above

[E] : Indicates a Relay Block. No shading is used and only the Relay Block No. is shown to distinguish it from the J/B.

Example : (1) Indicates Relay Block No.1

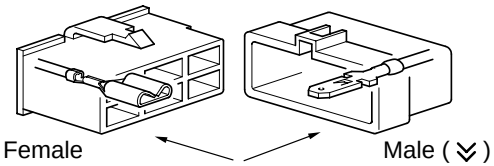
[F] : Junction Block (The number in the circle is the J/B No. and the connector code is shown beside it). Junction Blocks are shaded to clearly separate them from other parts.

Example:



[G] : Indicates related system.

[H] : Indicates the wiring harness and wiring harness connector. The wiring harness with male terminal is shown with arrows (»). Outside numerals are pin numbers.



[I] : ( ) is used to indicate different wiring and connector, etc. when the vehicle model, engine type, or specification is different.

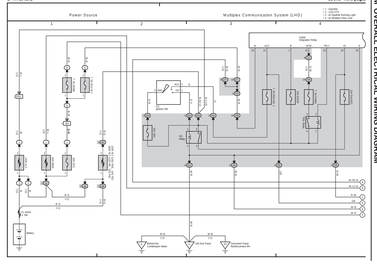
[J] : Indicates a shielded cable.

[K] : Indicates and located on ground point.

[L] : The same code occuring on the next page indicates that the wire harness is continuous.

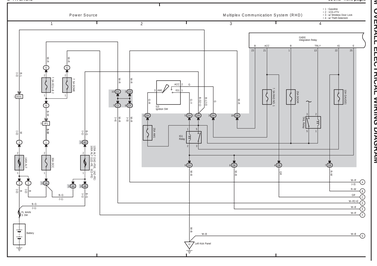
1 AVENSIS

(Cont. next page)

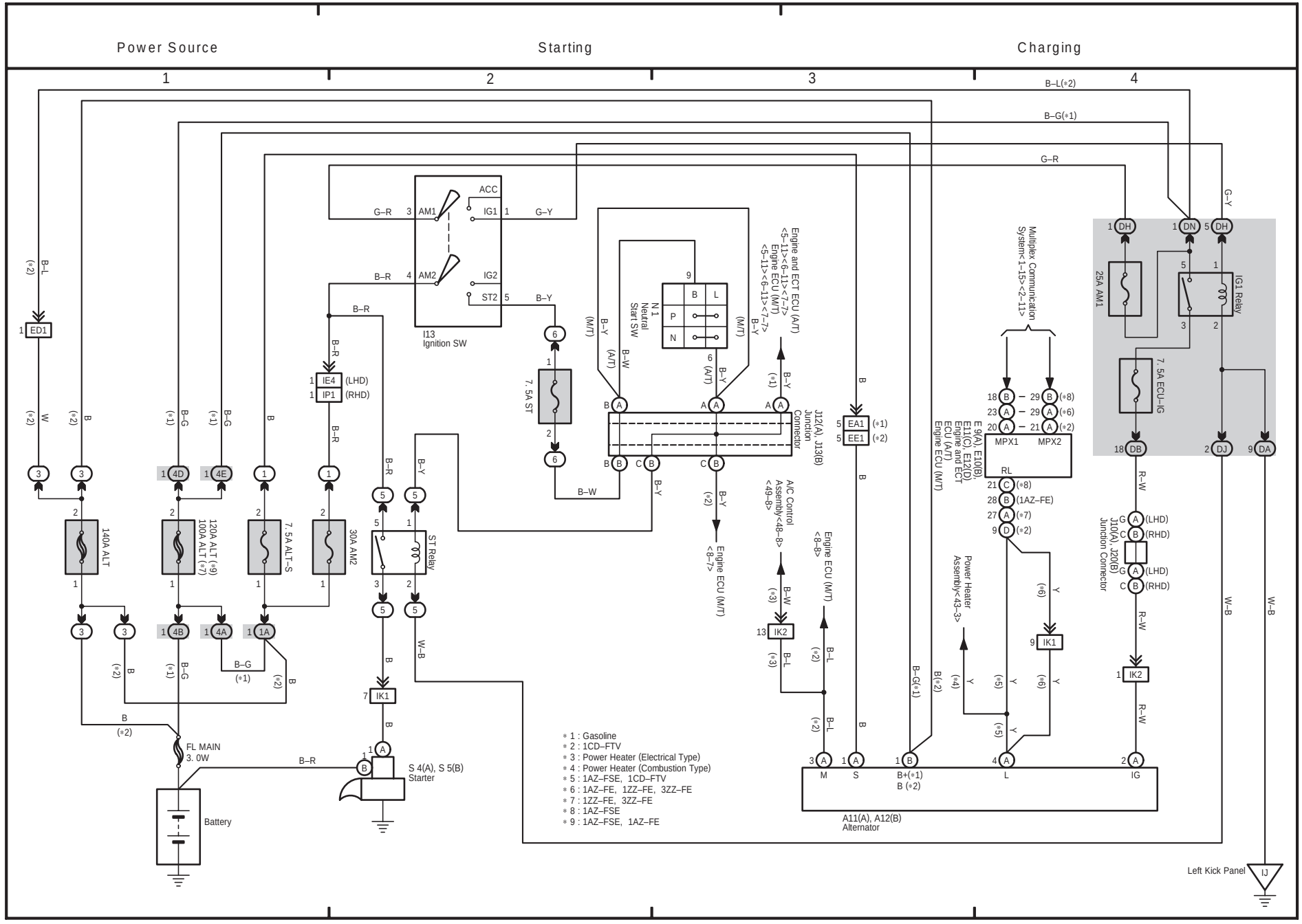


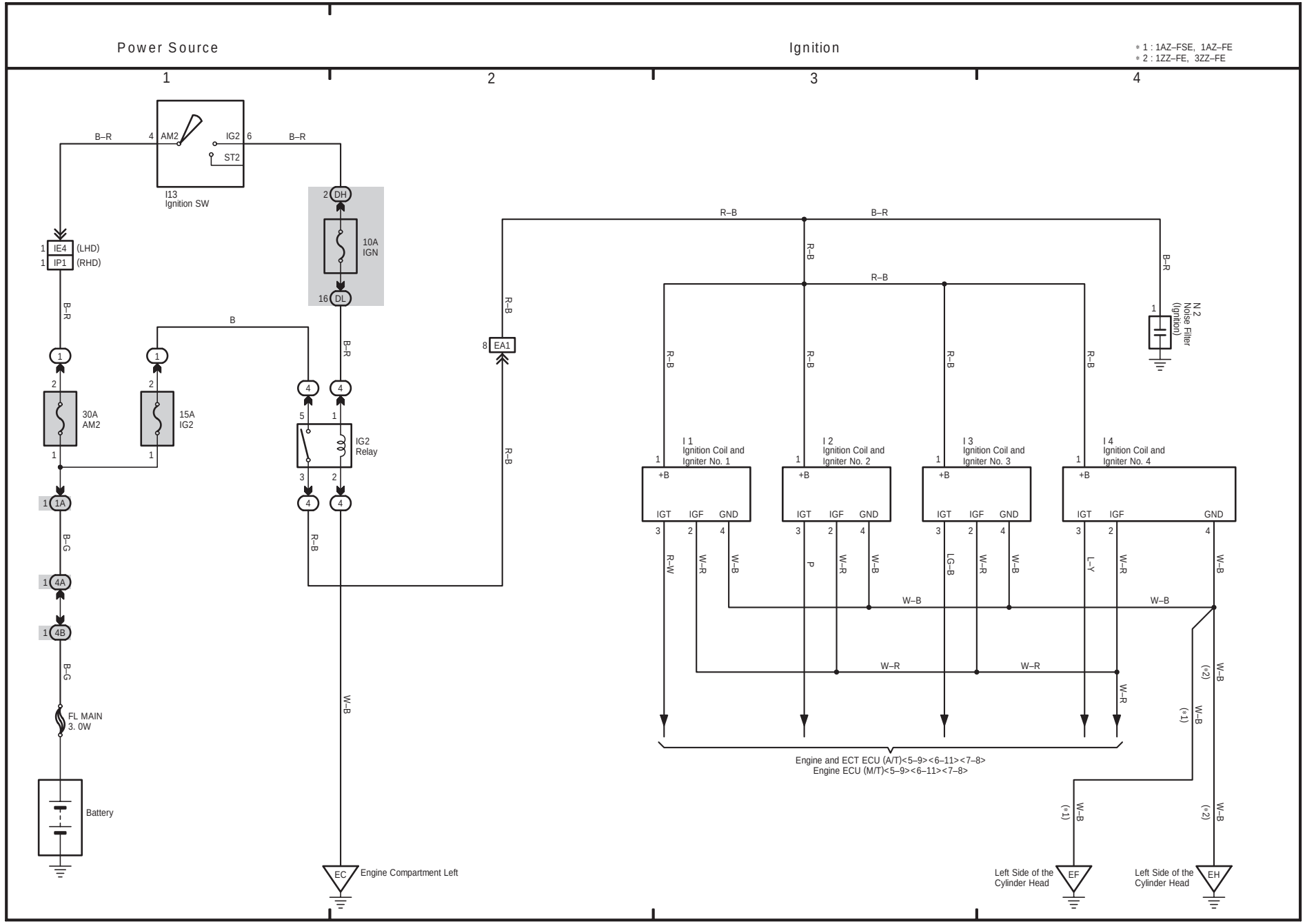
2 AVENSIS

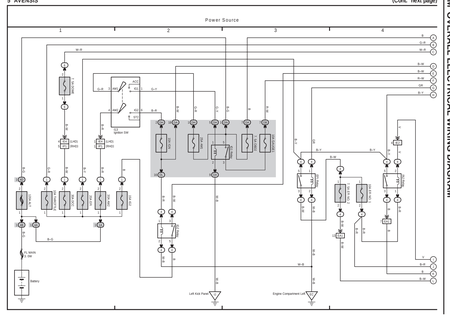
(Cont. next page)

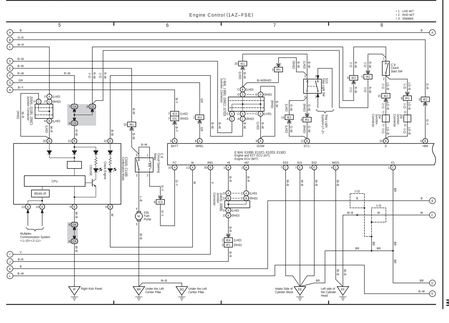

Power Source
Multiplex Communication System (RHD)
1
2
3
4
J/B No.1
J/B No.2
J/B No.3
J/B No.4
Main Fuse
Battery
Ignition Switch
ACC
IG1
IG2
ST
Starter
Alternator
Engine Room R/B No.1
Engine Room R/B No.2
Cabin J/B
Instrument Panel J/B
Engine Room J/B
Under Hood Wire
Under Hood Wire (for Engine Room J/B)
Under Hood Wire (for Instrument Panel J/B)
Under Hood Wire (for Cabin J/B)
Under Hood Wire (for Engine Room R/B No.1)
Under Hood Wire (for Engine Room R/B No.2)
Under Hood Wire (for Main Fuse)
Under Hood Wire (for Battery)
Under Hood Wire (for Starter)
Under Hood Wire (for Alternator)
Under Hood Wire (for Ignition Switch)

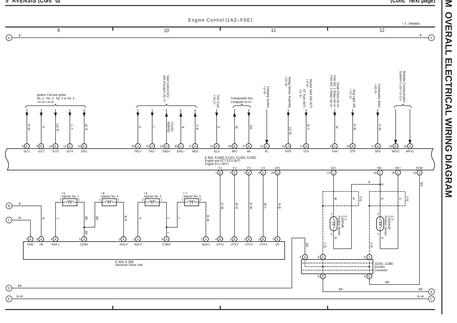
3 AVENSIS


Power Source
Starting
Charging
1
2
3
4
B–L(*2)
B–G(*1)
G–R
G–Y
ACC
IG1
IG2
ST2
AM1
AM2
I13
Ignition SW
B–R
B–Y
G–R
ED1
IE4 (LHD)
IP1 (RHD)
7. 5A ST
N 1
Neutral
Start SW
(M/T)
(A/T)
B–W
Engine and ECT ECU (A/T)
<5–11><6–11><7–7>
Engine ECU (M/T)
<5–11><6–11><7–7>
J12(A), J13(B)
Junction
Connector
EA1 (*1)
EE1 (*2)
Multiplex Communication
System<1–15><2–11>
E9(A), E10(B),
E11(C), E12(D)
Engine and ECT
ECU (A/T)
Engine ECU (M/T)
MPX1
MPX2
RL
(*8)
(1AZ–FE)
(*7)
(*2)
25A AM1
IG1 Relay
7. 5A ECU–IG
DH
DN
DJ
DA
DB
R–W
W–B
J10(A), J20(B)
Junction Connector
(LHD)
(RHD)
IK1
IK2
140A ALT
120A ALT (*9)
100A ALT (*7)
7. 5A ALT–S
30A AM2
ST Relay
4A
4B
4D
4E
1A
FL MAIN
3. 0W
Battery
S 4(A), S 5(B)
Starter
A/C Control
Assembly<48–8>
Engine ECU (M/T)
<8–7>
Engine ECU (M/T)
<8–8>
Power Heater
Assembly<43–3>
A11(A), A12(B)
Alternator
M
S
B+(*1)
B (*2)
L
IG
Left Kick Panel
IJ
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : Power Heater (Electrical Type)
* 4 : Power Heater (Combustion Type)
* 5 : 1AZ–FSE, 1CD–FTV
* 6 : 1AZ–FE, 1ZZ–FE, 3ZZ–FE
* 7 : 1ZZ–FE, 3ZZ–FE
* 8 : 1AZ–FSE
* 9 : 1AZ–FSE, 1AZ–FE

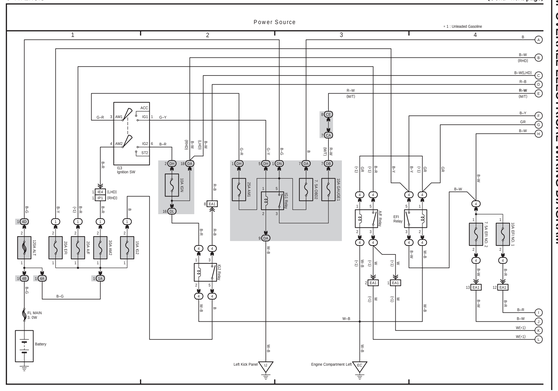

Power Source
Ignition
* 1 : 1AZ–FSE, 1AZ–FE
* 2 : 1ZZ–FE, 3ZZ–FE
1
2
3
4
I13
Ignition SW
B–R
AM2
IG2
ST2
IE4 (LHD)
IP1 (RHD)
DH
10A
IGN
DL
B
30A
AM2
15A
IG2
IG2
Relay
EA1
1A
4A
4B
B–G
FL MAIN
3. 0W
Battery
W–B
EC
Engine Compartment Left
R–B
I 1
Ignition Coil and
Igniter No. 1
I 2
Ignition Coil and
Igniter No. 2
I 3
Ignition Coil and
Igniter No. 3
I 4
Ignition Coil and
Igniter No. 4
+B
IGT
IGF
GND
R–W
W–R
W–B
P
LG–B
L–Y
N 2
Noise Filter
(Ignition)
Engine and ECT ECU (A/T)<5–9><6–11><7–8>
Engine ECU (M/T)<5–9><6–11><7–8>
(*1)
(*2)
Left Side of the
Cylinder Head
EF
EH


Power Source
1
2
3
4
ECU-IG
ECU-B
Battery
Engine Compartment Left
Left Kick Panel


Engine Control (1AZ-FSE)
5
6
7
8
Radio and Display Assembly
Main Body ECU (Driver Side Junction Block)
Main Body ECU (Passenger Side Junction Block)
Rear Combination Light RH
Rear Combination Light LH
Rear Fog Light RH
Rear Fog Light LH
Rear Kick Panel
Under Floor #1 Center Floor
Under Floor #2 Center Floor
Under Floor #3 Center Floor
Under Floor #4 Center Floor
Left Side of #1 Center Floor
Left Side of #2 Center Floor


Engine Control (1AZ-FSE)
9
10
11
12
Ignition Coil and Igniter
No.1 No.2 No.3 No.4
Fuel Injector
Fuel Injector No.1
Fuel Injector No.2
Fuel Injector No.3
Fuel Injector No.4
Engine Room R/B No.1
Engine Room R/B No.2
Engine Room R/B No.3
Engine Room R/B No.4
Engine Room R/B No.5
Engine Room R/B No.6
Engine Room R/B No.7
Engine Room R/B No.8
Engine Room R/B No.9
Engine Room R/B No.10
Engine Room R/B

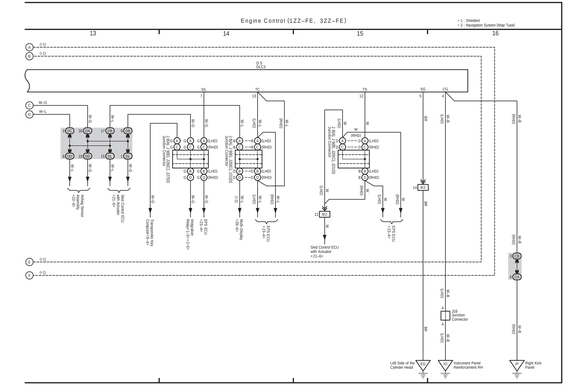
6 AVENSIS (Cont. next page)


Power Source
+ 1 : Unleaded Gasoline
B-W (WHO)
B-W (WHO)
B-W (WHO)

(Cont. next page)

Engine Control (1ZZ–FE, 3ZZ–FE)

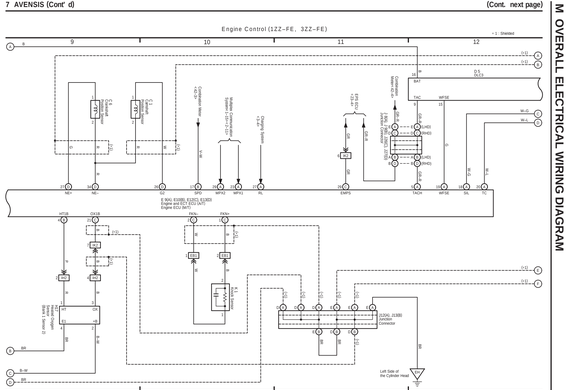
*1: Shielded
*2: Navigation System Amp Tuner



(Cont. next page)

Engine Control (1ZZ–FE, 3ZZ–FE)

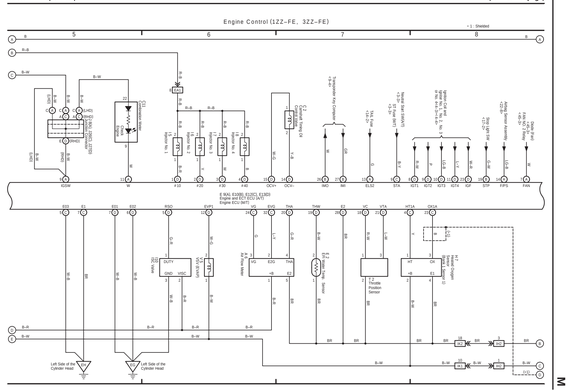
*1: Shielded



(Cont. next page)

Engine Control (1ZZ–FE, 3ZZ–FE)

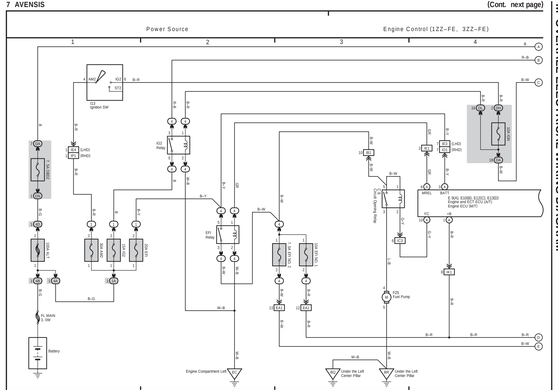
*1: Shielded



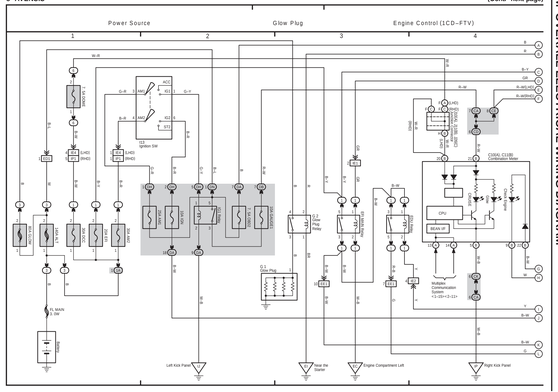
(Cont. next page)

Power Source

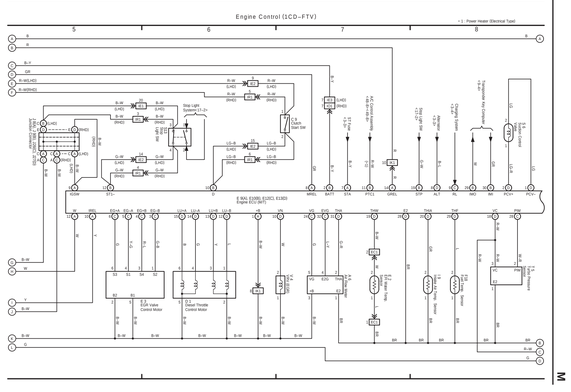
Engine Control (1ZZ–FE, 3ZZ–FE)



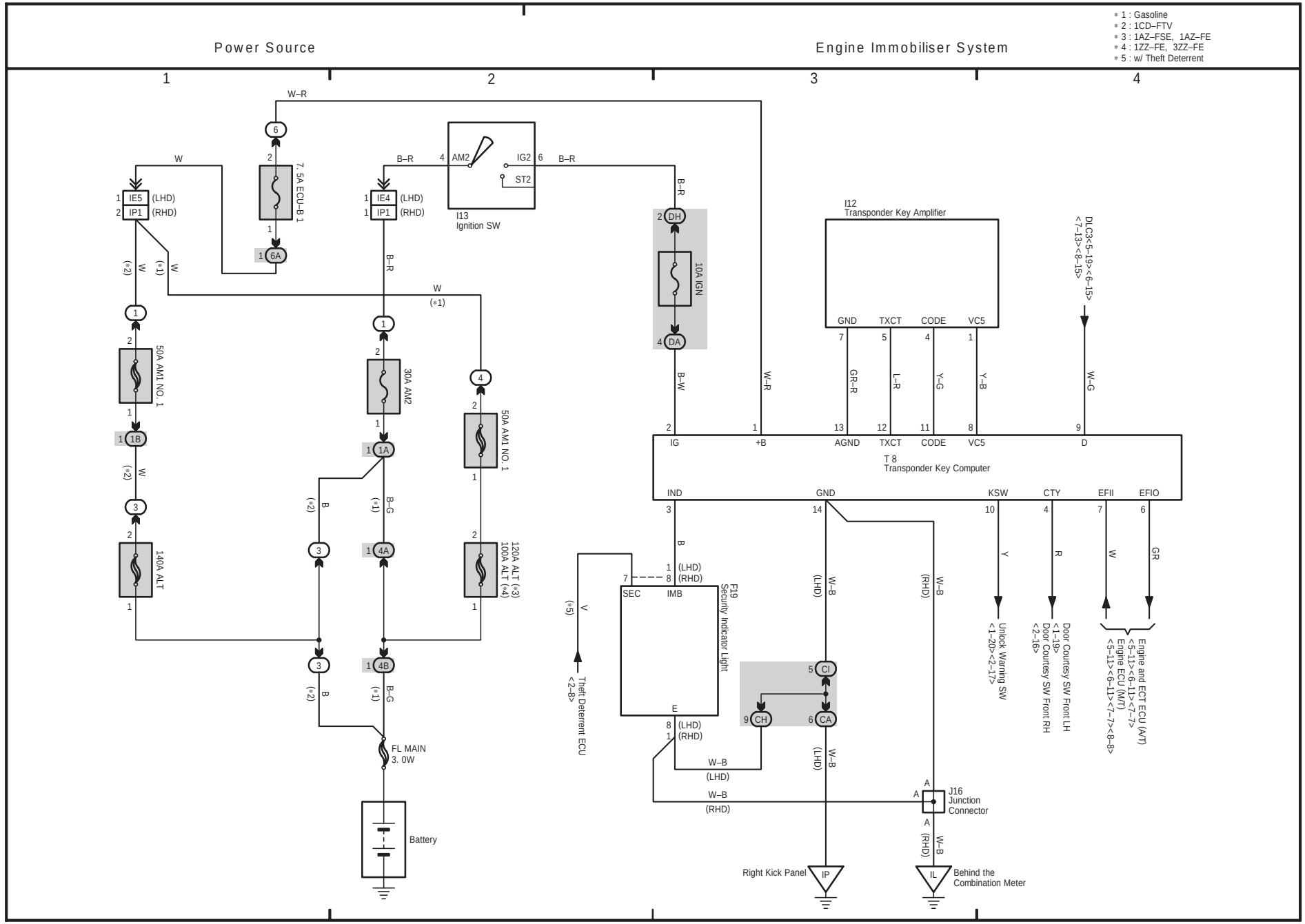
8 AVENSIS (Cont. next page)

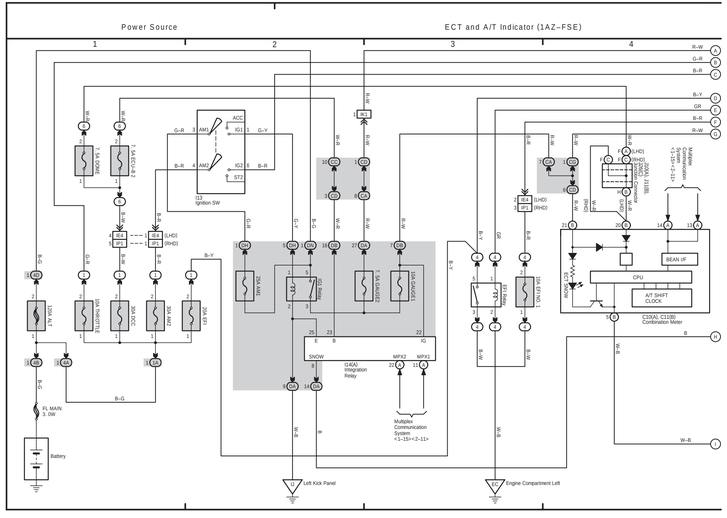


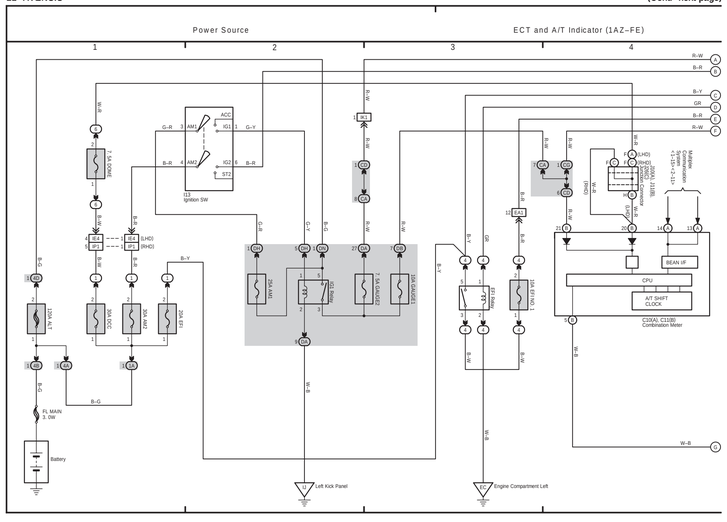
8 AVENSIS (Cont' d) (Cont. next page)

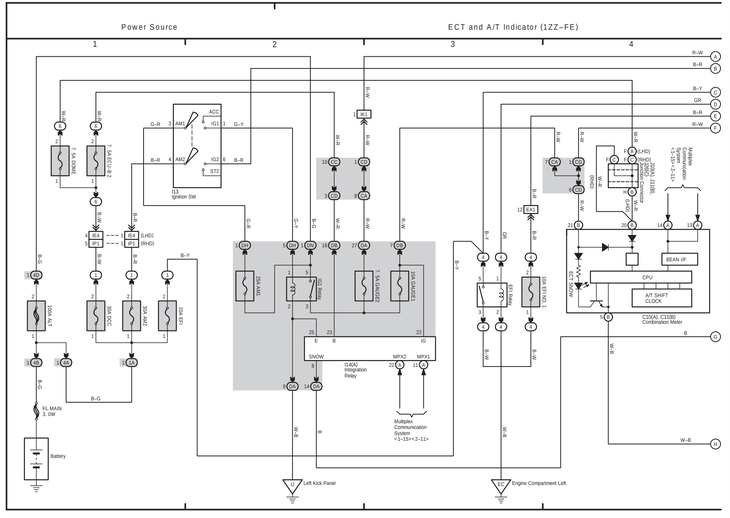

Engine Control (1CD–FTV)
*1 : Power Heater Electrical Type)
Stop Light Switch
CLSW
Clutch Start SW
Accelerator Pedal Position Sensor
Crankshaft Position Sensor
Camshaft Position Sensor
Intake Air Temperature Sensor
Boost Pressure Sensor
Engine Coolant Temperature Sensor
Fuel Temperature Sensor
Fuel Pressure Sensor
Fuel Temp. Sensor
Fuel Temp. Control Valve
Fuel Suction Control Valve
Supply Pump
Injector
Glow Plug
Glow Plug Timer
E-ECU
E-ECU, E-SSD
Electronic Driver Unit
E-ECU, E-SSD
Engine ECU (MT)
E-ECU, E-SSD
Engine ECU (MT)
E-ECU, E-SSD
Engine ECU (MT)

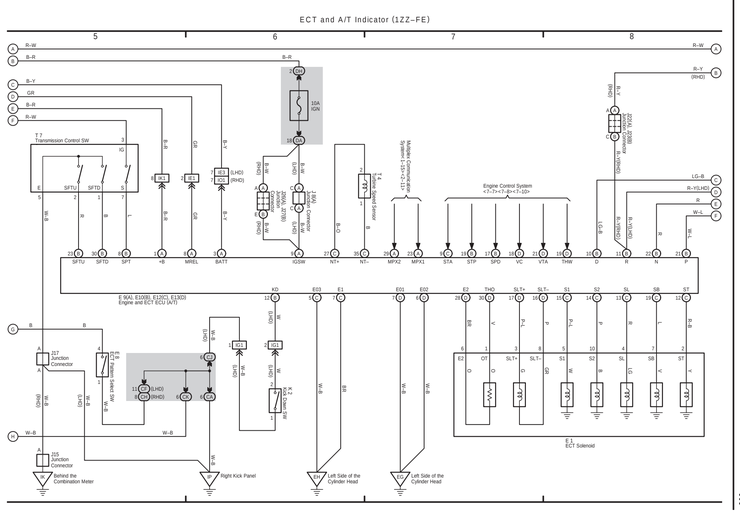
9 AVENSIS

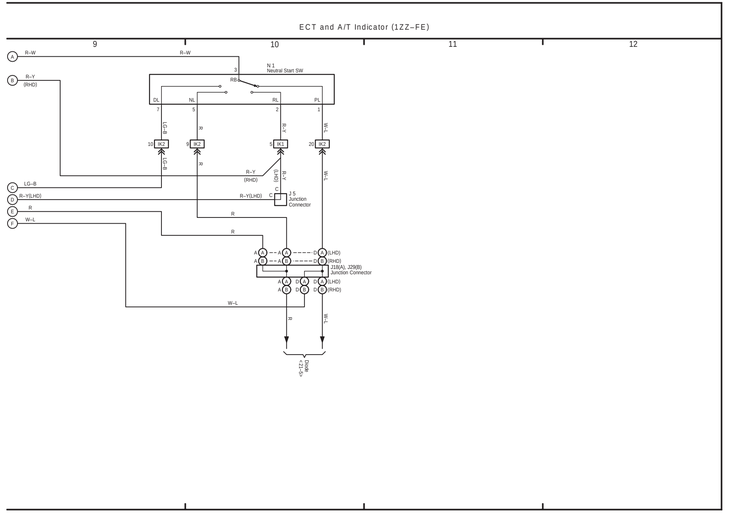

* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : w/ Theft Deterrent
Power Source
Engine Immobiliser System
1
2
3
4
W–R
W
B–R
IE5 (LHD)
IP1 (RHD)
IE4 (LHD)
IP1 (RHD)
7. 5A ECU–B 1
AM2
IG2
ST2
I13
Ignition SW
10A IGN
I12
Transponder Key Amplifier
DLC3<5–19><6–15><7–13><8–15>
GND
TXCT
CODE
VC5
GR–R
L–R
Y–G
Y–B
W–G
B–W
W–R
IG
+B
AGND
D
T 8
Transponder Key Computer
IND
KSW
CTY
EFII
EFIO
B
Y
R
W
GR
50A AM1 NO. 1
30A AM2
140A ALT
120A ALT (*3)
100A ALT (*4)
B–G
V
W–B
(LHD)
(RHD)
SEC
IMB
F19
Security Indicator Light
Theft Deterrent ECU
<2–8>
Unlock Warning SW
<1–20><2–17>
Door Courtesy SW Front LH
<1–15>
Door Courtesy SW Front RH
<2–16>
Engine and ECT ECU (A/T)
<5–11><6–11><7–7>
Engine ECU (M/T)
<5–11><6–11><7–7><8–8>
FL MAIN
3. 0W
Battery
J16
Junction
Connector
Right Kick Panel
IP
IL
Behind the
Combination Meter

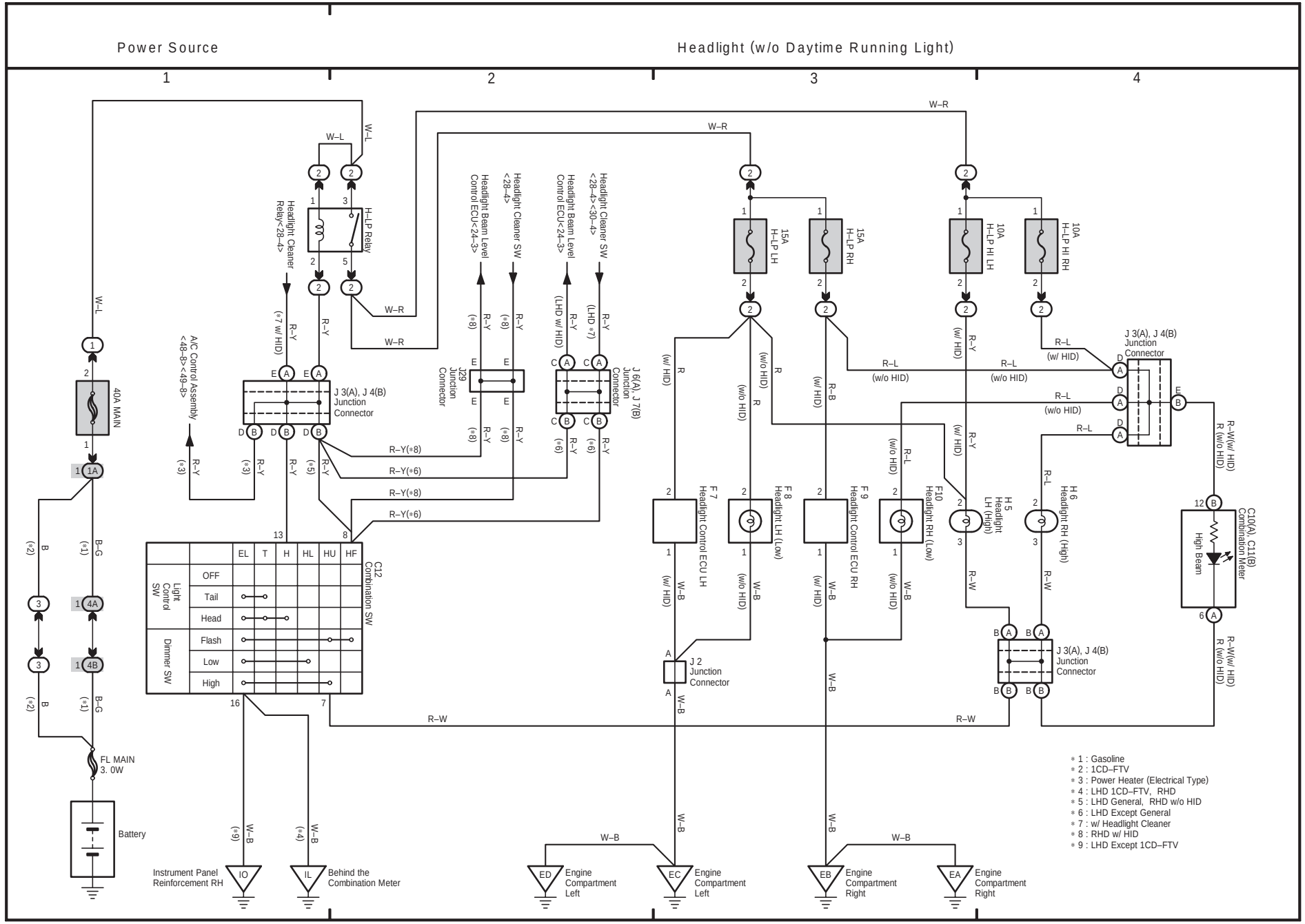

Power Source
ECT and A/T Indicator (1AZ–FSE)
1
2
3
4
ACC
IG1
IG2
ST2
3 AM1
4 AM2
113 Ignition SW
7.5A DOME
10A ECU-B
10A TAIL
10A HEAD LH
10A HEAD RH
10A WIPER
10A ECU-IG
15A SHORTELE
15A GAUGE2
15A GAUGE1
10A STARTER
10A AM1
10A IGN
10A ECU-B2
10A ECU-IG2
10A ECU-IG1
10A ABS NO.2
10A ABS NO.1
10A STOP
10A HEAD LEVELER
10A AIR SUS
10A ECU-B1
10A ECU-B3
10A ECU-IG3
10A ABS NO.3
10A ABS NO.4
10A ABS MOTOR
10A ECU-B4
10A ECU-IG4
10A ECU-IG5
10A ECU-IG6
10A ECU-IG7
10A ECU-IG8
10A ECU-IG9
10A ECU-IG10
10A ECU-IG11
10A ECU-IG12
10A ECU-IG13
10A ECU-IG14
10A ECU-IG15
10A ECU-IG16
10A ECU-IG17
10A ECU-IG18
10A ECU-IG19
10A ECU-IG20
10A ECU-IG21
10A ECU-IG22
10A ECU-IG23
10A

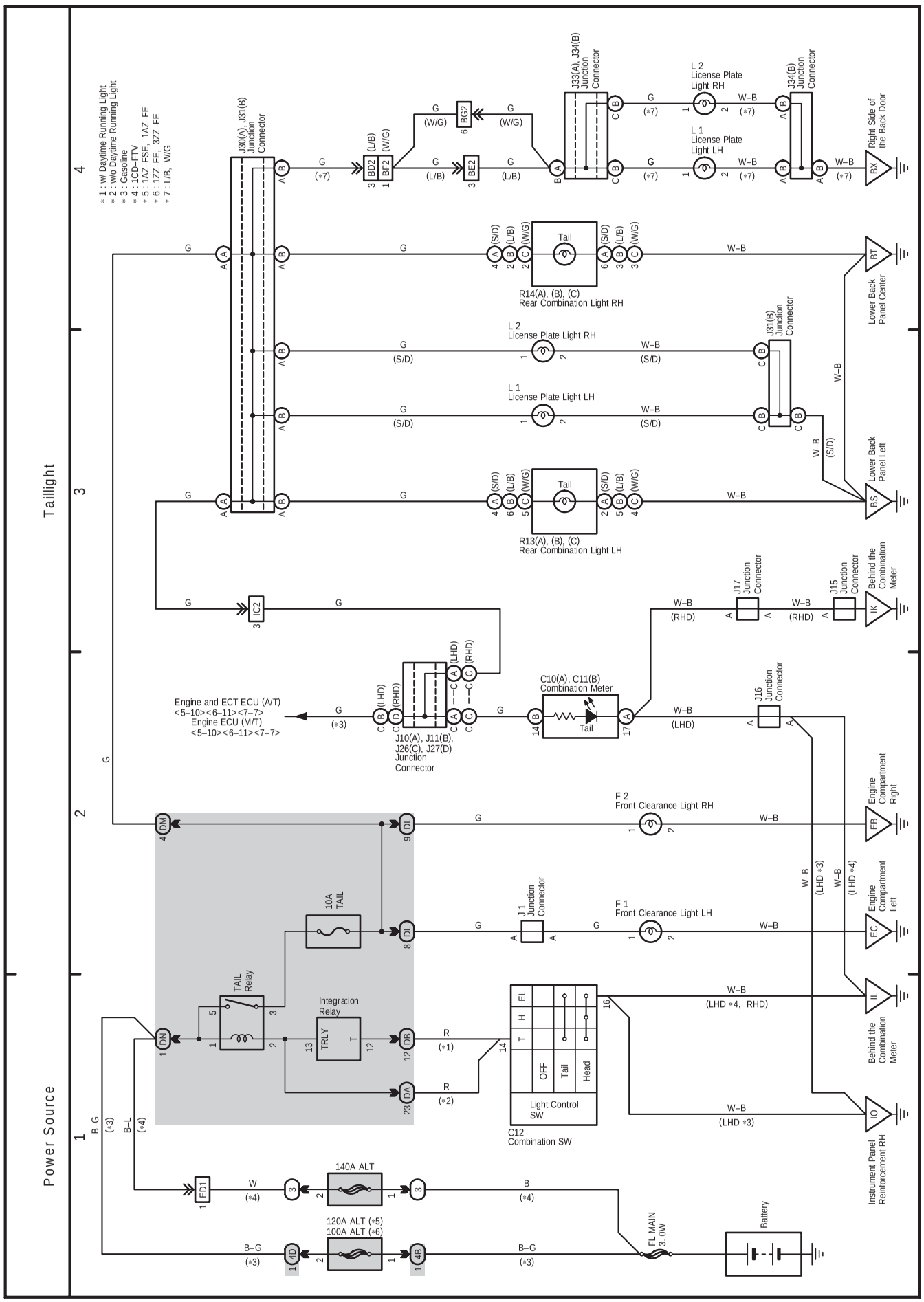

Power Source
ECT and A/T Indicator (1AZ–FE)
1
2
3
4
7.5A ECU-B
10A AM1
10A AM2
20A ETCS
30A DOME
10A GAUGE2
10A GAUGE1
10A HEAD LH
10A HEAD RH
15A EFI MAIN
15A EFI SUB
ACC
IG1
IG2
ST2
AM1
AM2
G–B
G–Y
B–R
B–Y
R–W
W–B
B–G
R–G
L13
Ignition SW
2A
2B
1A
1B
2C
2D
1C
1D
2E
2F
1E
1F
2G
2H
1G
1H
2I
2J
1I
1J
2K
2L
1K
1L
2M
2N
1M
1N
2O
2P
1O
1P
2Q
2R
1Q
1R
2S
2T
1S
1T
2U
2V
1U
1V
2W
2X
1W
1X
2Y
2Z
1Y
1Z
3A
3B
3C
3D
3E
3F
3G
3H
3I
3J
3K
3L
3M
3N
3O
3P
3Q
3R
3S
3T
3U
3V
3W
3X
3Y
3Z
4A
4B
4C
4D
4E
4F
4G
4H
4I
4J
4K
4L
4M
4N
4O
4P
4Q
4R
4S
4T
4U
4V
4W
4X
4Y
4Z
5A
5B
5C
5D
5E
5F
5G
5H
5I
5J
5K
5L
5M
5N
5O
5P
5Q
5R
5S
5T
5U
5V
5W
5X
5Y
5Z

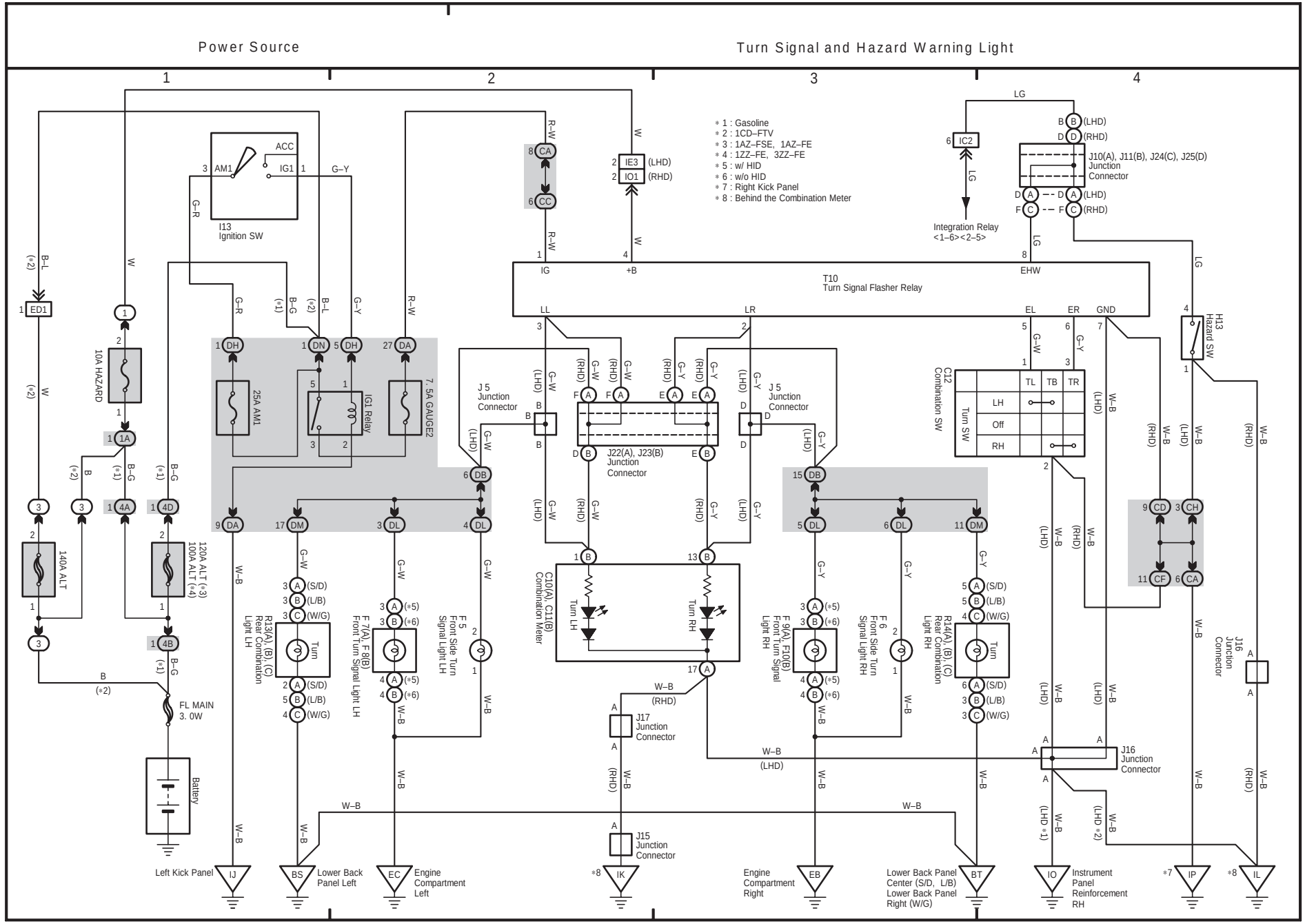


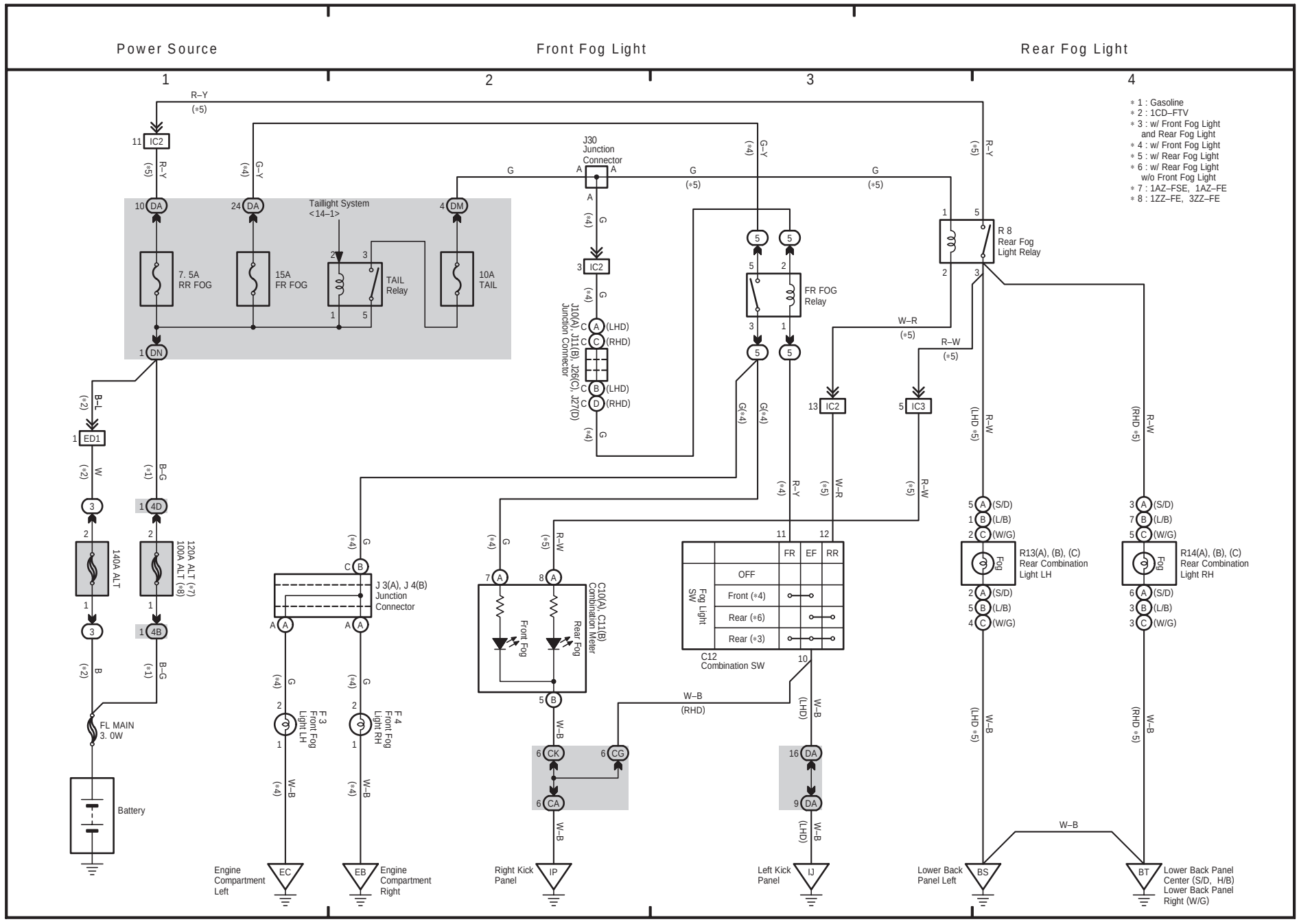


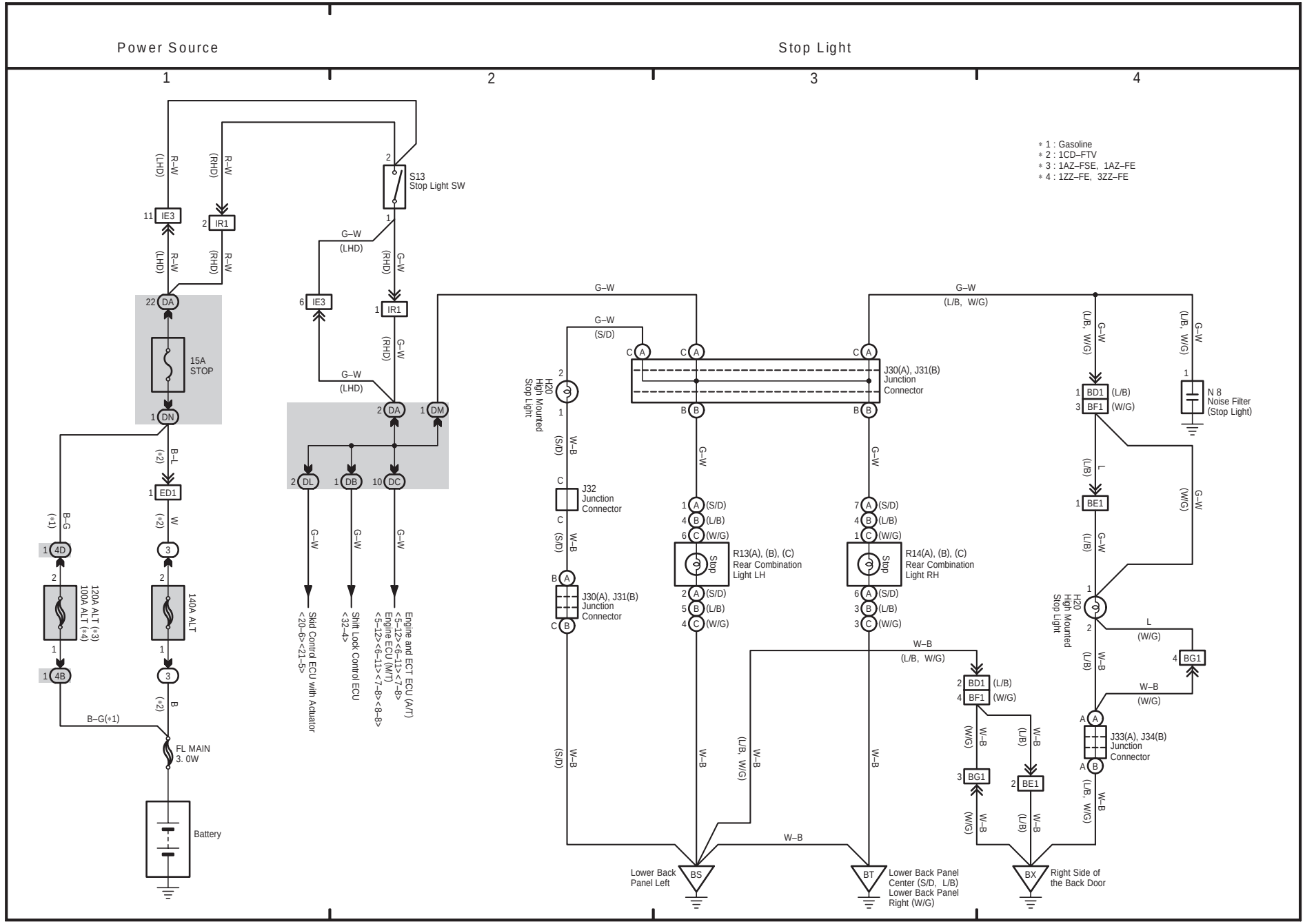

ECT and A/T Indicator (1ZZ–FE)
9
10
11
12
N-1
Neutral Start SW
Junction Connector
Junction Connector
Junction Connector


Power Source
Headlight (w/o Daytime Running Light)
1
2
3
4
40A MAIN
FL MAIN 3. 0W
Battery
H–LP Relay
Headlight Cleaner Relay<28–4>
A/C Control Assembly <48–8><49–8>
Headlight Beam Level Control ECU<24–3>
Headlight Cleaner SW <28–4>
Headlight Beam Level Control ECU<28–4><30–4>
Headlight Cleaner SW <28–4><30–4>
J29 Junction Connector
J 3(A), J 4(B) Junction Connector
J 6(A), J 7(B) Junction Connector
J 2 Junction Connector
15A H–LP LH
15A H–LP RH
10A H–LP HI LH
10A H–LP HI RH
F 7 Headlight Control ECU LH
F 8 Headlight LH (Low)
F 9 Headlight Control ECU RH
F10 Headlight RH (Low)
H 5 Headlight LH (High)
H 6 Headlight RH (High)
C10(A), C11(B) Combination Meter
High Beam
C12 Combination SW
Light Control SW
Dimmer SW
OFF
Tail
Head
Flash
Low
High
EL
T
H
HL
HU
HF
Instrument Panel Reinforcement RH
Behind the Combination Meter
Engine Compartment Left
Engine Compartment Right
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : Power Heater (Electrical Type)
* 4 : LHD 1CD–FTV, RHD
* 5 : LHD General, RHD w/o HID
* 6 : LHD Except General
* 7 : w/ Headlight Cleaner
* 8 : RHD w/ HID
* 9 : LHD Except 1CD–FTV

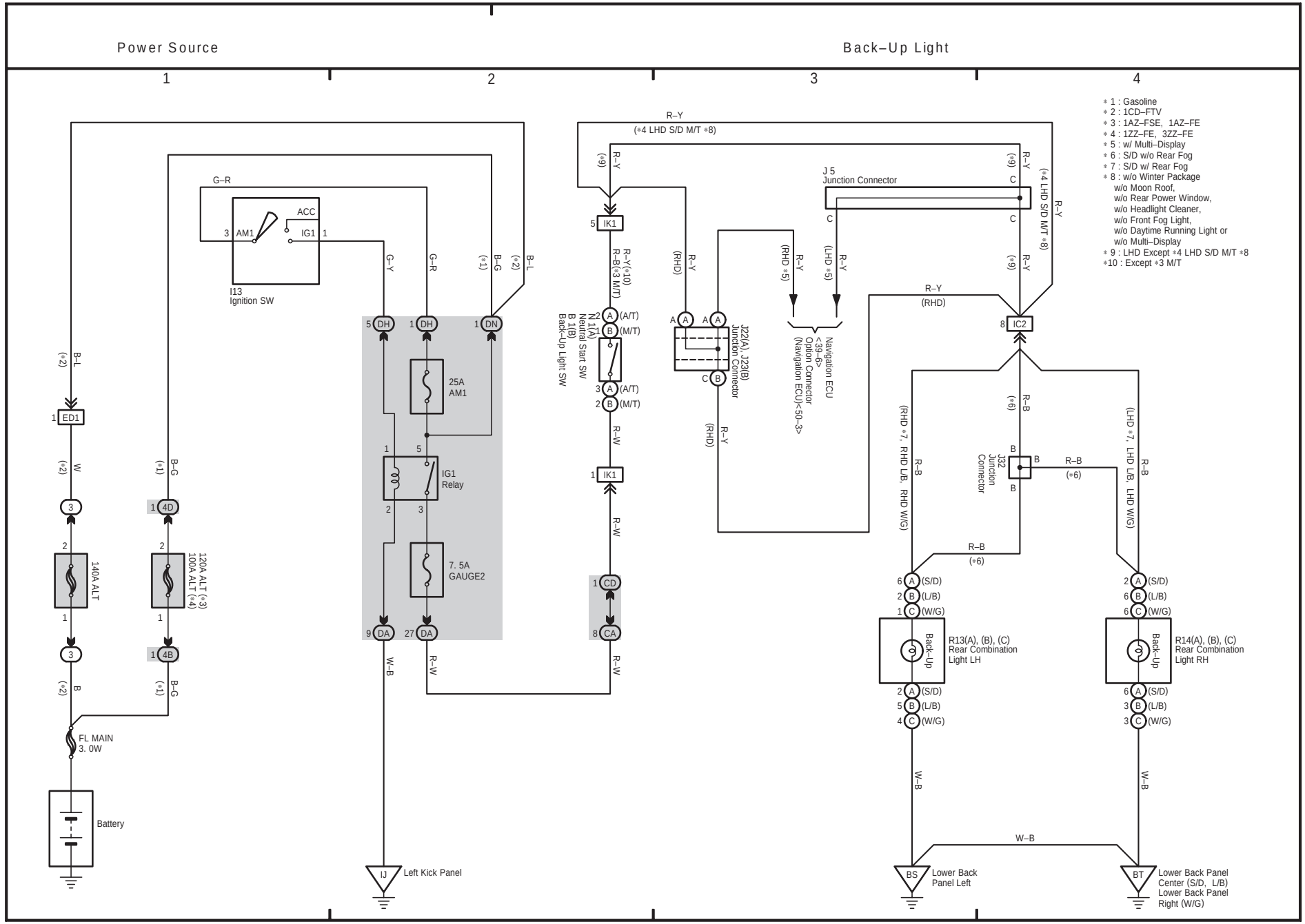

* 1 : w/ Daytime Running Light
* 2 : w/o Daytime Running Light
* 3 : Gasoline
* 4 : 1CD–FTV
* 5 : 1AZ–FSE, 1AZ–FE
* 6 : 1ZZ–FE, 3ZZ–FE
* 7 : L/B, W/G
Taillight
Power Source
J30(A), J31(B) Junction Connector
J33(A), J34(B) Junction Connector
J34(B) Junction Connector
L 2 License Plate Light RH
L 1 License Plate Light LH
Right Side of the Back Door
Tail
R14(A), (B), (C) Rear Combination Light RH
R13(A), (B), (C) Rear Combination Light LH
Lower Back Panel Center
Lower Back Panel Left
J31(B) Junction Connector
J17 Junction Connector
J15 Junction Connector
Behind the Combination Meter
IC2
Engine and ECT ECU (A/T)
<5–10><6–11><7–7>
Engine ECU (M/T)
<5–10><6–11><7–7>
J10(A), J11(B), J26(C), J27(D) Junction Connector
C10(A), C11(B) Combination Meter
J16 Junction Connector
F 2 Front Clearance Light RH
F 1 Front Clearance Light LH
Engine Compartment Right
Engine Compartment Left
J1 Junction Connector
10A TAIL
TAIL Relay
Integration Relay
TRLY
Light Control SW
C12 Combination SW
Instrument Panel Reinforcement RH
ED1
140A ALT
120A ALT (*5)
100A ALT (*6)
FL MAIN 3.0W
Battery

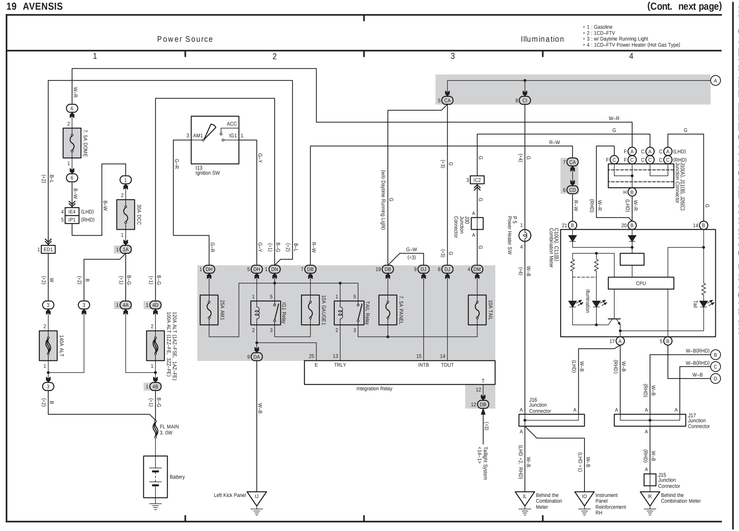

Power Source
Turn Signal and Hazard Warning Light
1
2
3
4
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : w/ HID
* 6 : w/o HID
* 7 : Right Kick Panel
* 8 : Behind the Combination Meter
I13 Ignition SW
ACC
AM1
IG1
10A HAZARD
25A AM1
IG1 Relay
7. 5A GAUGE2
140A ALT
120A ALT (*3)
100A ALT (*4)
FL MAIN 3. 0W
Battery
Left Kick Panel
T10 Turn Signal Flasher Relay
IG
+B
EHW
LL
LR
EL
ER
GND
H13 Hazard SW
Integration Relay <1–6><2–5>
J10(A), J11(B), J24(C), J25(D) Junction Connector
J5 Junction Connector
J22(A), J23(B) Junction Connector
C12 Combination SW
Turn SW
TL
TB
TR
LH
Off
RH
C10(A), C11(B) Combination Meter
Turn LH
Turn RH
R13(A), (B), (C) Rear Combination Light LH
R14(A), (B), (C) Rear Combination Light RH
F 7(A), F 8(B) Front Turn Signal Light LH
F 9(A), F10(B) Front Turn Signal Light RH
F 5 Front Side Turn Signal Light LH
F 6 Front Side Turn Signal Light RH
J15 Junction Connector
J16 Junction Connector
J17 Junction Connector
Lower Back Panel Left
Engine Compartment Left
Engine Compartment Right
Lower Back Panel Center (S/D, L/B) Lower Back Panel Right (W/G)
Instrument Panel Reinforcement RH

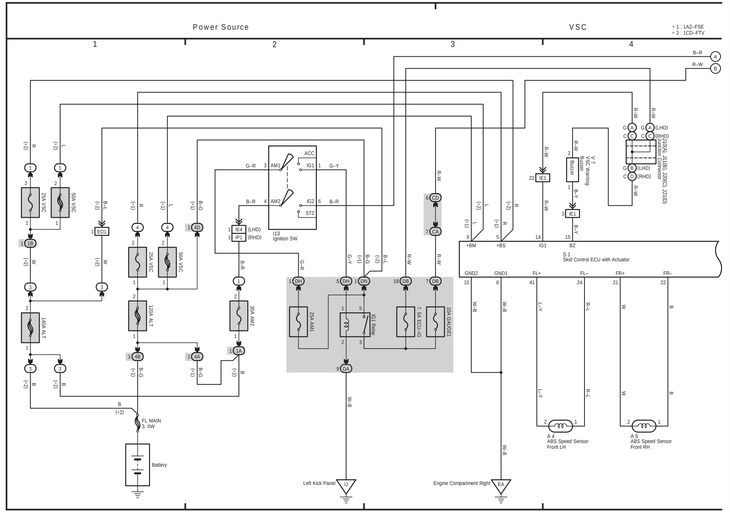

Power Source
Front Fog Light
Rear Fog Light
1
2
3
4
∗ 1 : Gasoline
∗ 2 : 1CD–FTV
∗ 3 : w/ Front Fog Light and Rear Fog Light
∗ 4 : w/ Front Fog Light
∗ 5 : w/ Rear Fog Light
∗ 6 : w/ Rear Fog Light w/o Front Fog Light
∗ 7 : 1AZ–FSE, 1AZ–FE
∗ 8 : 1ZZ–FE, 3ZZ–FE
Taillight System <14–1>
7. 5A RR FOG
15A FR FOG
TAIL Relay
10A TAIL
J30 Junction Connector
J10(A), J11(B), J26(C), J27(D) Junction Connector
FR FOG Relay
R 8 Rear Fog Light Relay
J 3(A), J 4(B) Junction Connector
C10(A), C11(B) Combination Meter
C12 Combination SW
Fog Light SW
OFF
Front (∗4)
Rear (∗6)
Rear (∗3)
R13(A), (B), (C) Rear Combination Light LH
R14(A), (B), (C) Rear Combination Light RH
140A ALT
120A ALT (∗7)
100A ALT (∗8)
FL MAIN 3. 0W
Battery
F 3 Front Fog Light LH
F 4 Front Fog Light RH
Engine Compartment Left
Engine Compartment Right
Right Kick Panel
Left Kick Panel
Lower Back Panel Left
Lower Back Panel Center (S/D, H/B)
Lower Back Panel Right (W/G)


Power Source
Stop Light
1
2
3
4
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
S13
Stop Light SW
15A
STOP
FL MAIN
3. 0W
Battery
120A ALT (*3)
100A ALT (*4)
140A ALT
B–G(*1)
Skid Control ECU with Actuator
<20–6><21–5>
Shift Lock Control ECU
<32–4>
Engine and ECT ECU (A/T)
<5–12><6–11><7–8>
Engine ECU (M/T)
<5–12><6–11><7–8><8–8>
H20
High Mounted
Stop Light
J32
Junction
Connector
J30(A), J31(B)
Junction
Connector
R13(A), (B), (C)
Rear Combination
Light LH
R14(A), (B), (C)
Rear Combination
Light RH
N 8
Noise Filter
(Stop Light)
J33(A), J34(B)
Junction
Connector
Lower Back
Panel Left
Lower Back Panel
Center (S/D, L/B)
Lower Back Panel
Right (W/G)
Right Side of
the Back Door

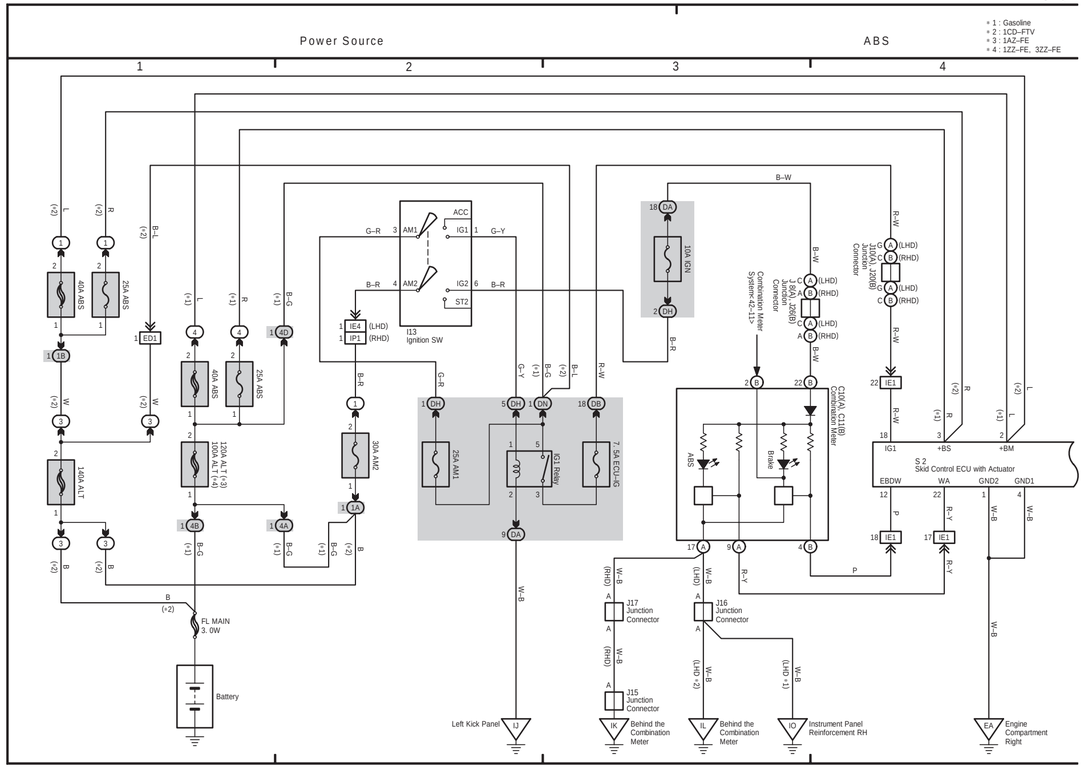
18 AVENSIS

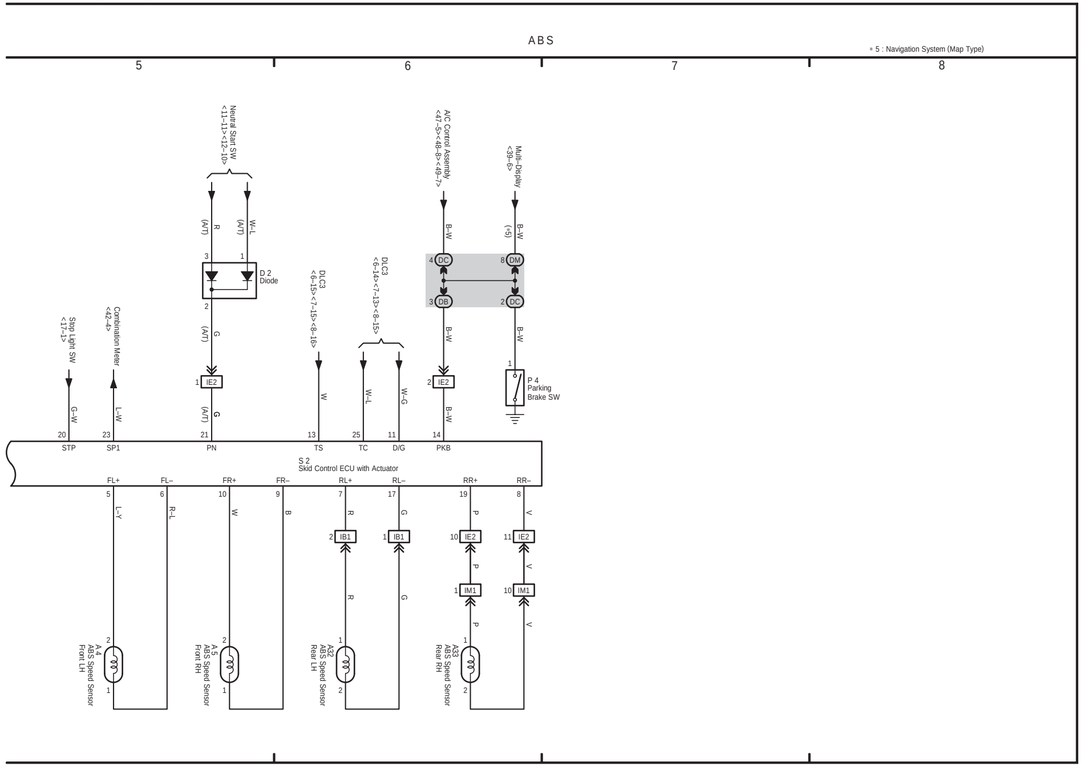

Power Source
Back–Up Light
1
2
3
4
∗ 1 : Gasoline
∗ 2 : 1CD–FTV
∗ 3 : 1AZ–FSE, 1AZ–FE
∗ 4 : 1ZZ–FE, 3ZZ–FE
∗ 5 : w/ Multi–Display
∗ 6 : S/D w/o Rear Fog
∗ 7 : S/D w/ Rear Fog
∗ 8 : w/o Winter Package
w/o Moon Roof,
w/o Rear Power Window,
w/o Headlight Cleaner,
w/o Front Fog Light,
w/o Daytime Running Light or
w/o Multi–Display
∗ 9 : LHD Except ∗4 LHD S/D M/T ∗8
∗10 : Except ∗3 M/T
I13
Ignition SW
ACC
IG1
AM1
25A
AM1
IG1
Relay
7. 5A
GAUGE2
140A ALT
120A ALT (∗3)
100A ALT (∗4)
FL MAIN
3. 0W
Battery
Left Kick Panel
Neutral Start SW
Back–Up Light SW
J22(A), J23(B)
Junction Connector
Navigation ECU
<39–6>
Option Connector
(Navigation ECU)<50–3>
J 5
Junction Connector
J32
Junction
Connector
R13(A), (B), (C)
Rear Combination
Light LH
R14(A), (B), (C)
Rear Combination
Light RH
Back–Up
Lower Back
Panel Left
Lower Back Panel
Center (S/D, L/B)
Lower Back Panel
Right (W/G)

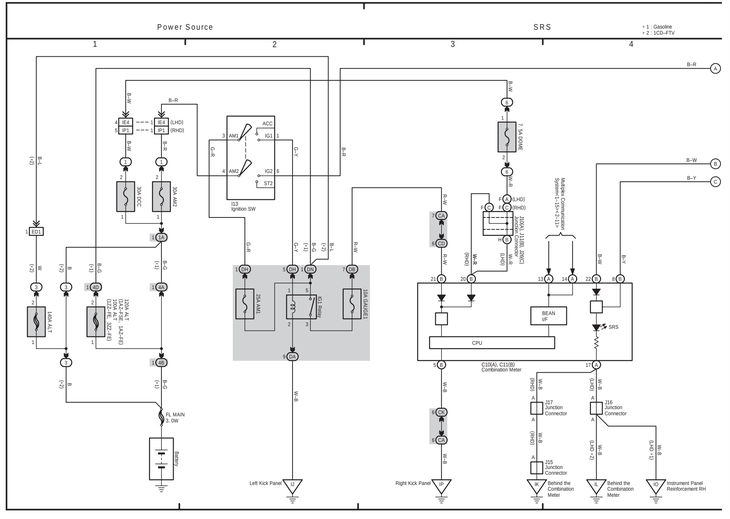

Power Source
Illumination
1
2
3
4
* 1 : Gasoline
* 2 : 1CD-FTV
* 3 : w/ Daytime Running Light
* 4 : 1CD-FTV Power Heater (Hot Gas Type)
ACC
IG1
AM1
13 Ignition SW
ST
7.5 A ENGINE
30A ABS
50A ALT
100A ALT
100A ALT (1CD-FTV)
150A ALT (1CD-FTV)
30A ABS
50A ALT
100A ALT
100A ALT (1CD-FTV)
150A ALT (1CD-FTV)
FL MAIN 3 OW
Battery
Left Kick Panel
Left Kick Panel
Left Kick Panel

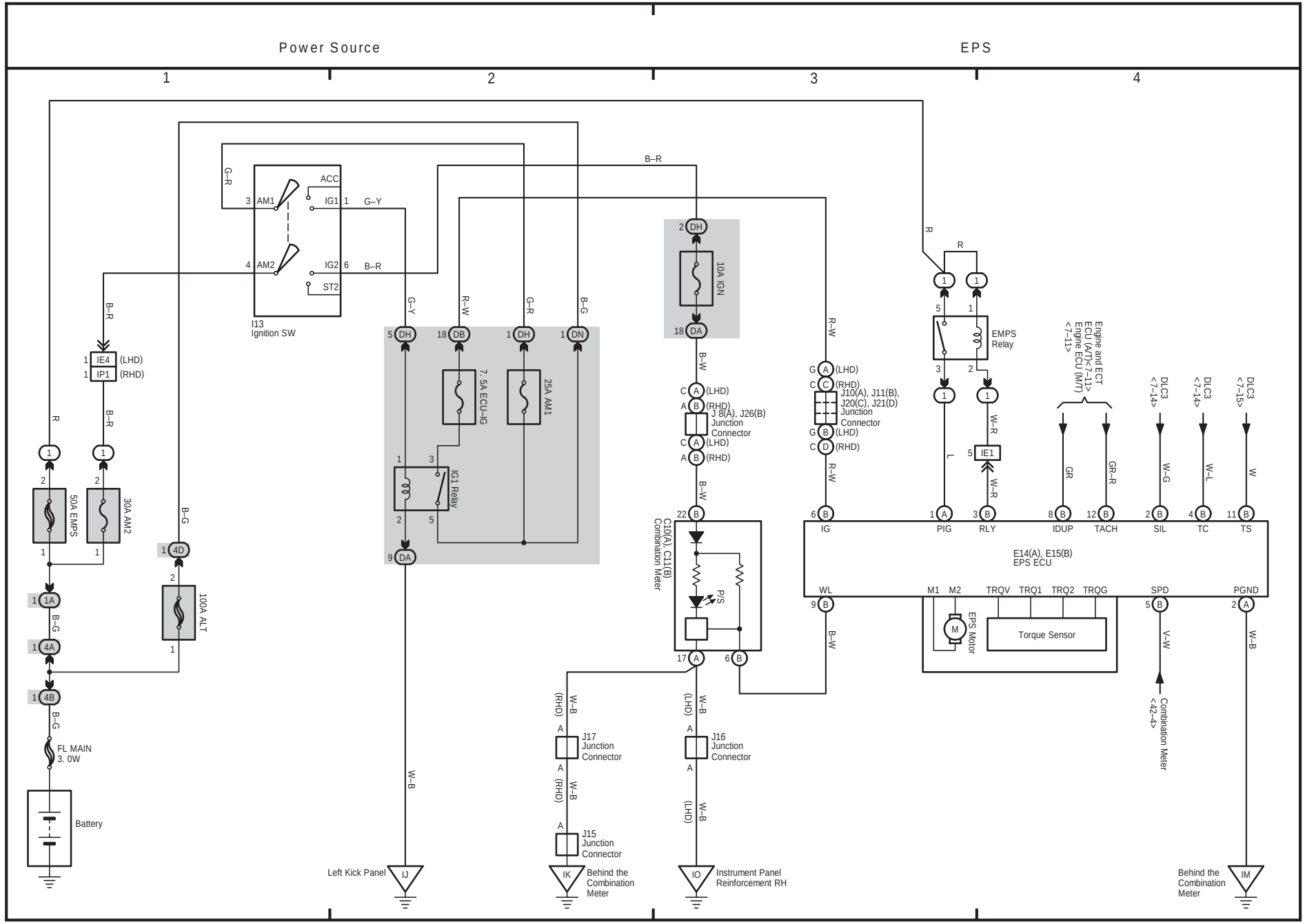

Power Source
VSC
1
2
3
4
* 1 : 1AZ-FSE
* 2 : 1CD-FTV
B-R
R-W
ACC
IG1
IG2
ST2
AM1
AM2
G-R
G-Y
B-R
R-W
I3
Ignition SW
S72
50A VSC
50A VSC
50A VSC
50A VSC
50A VSC
50A VSC
50A VSC
50A VSC
1.25G W-B
1.25G W-B
1.25G W-B

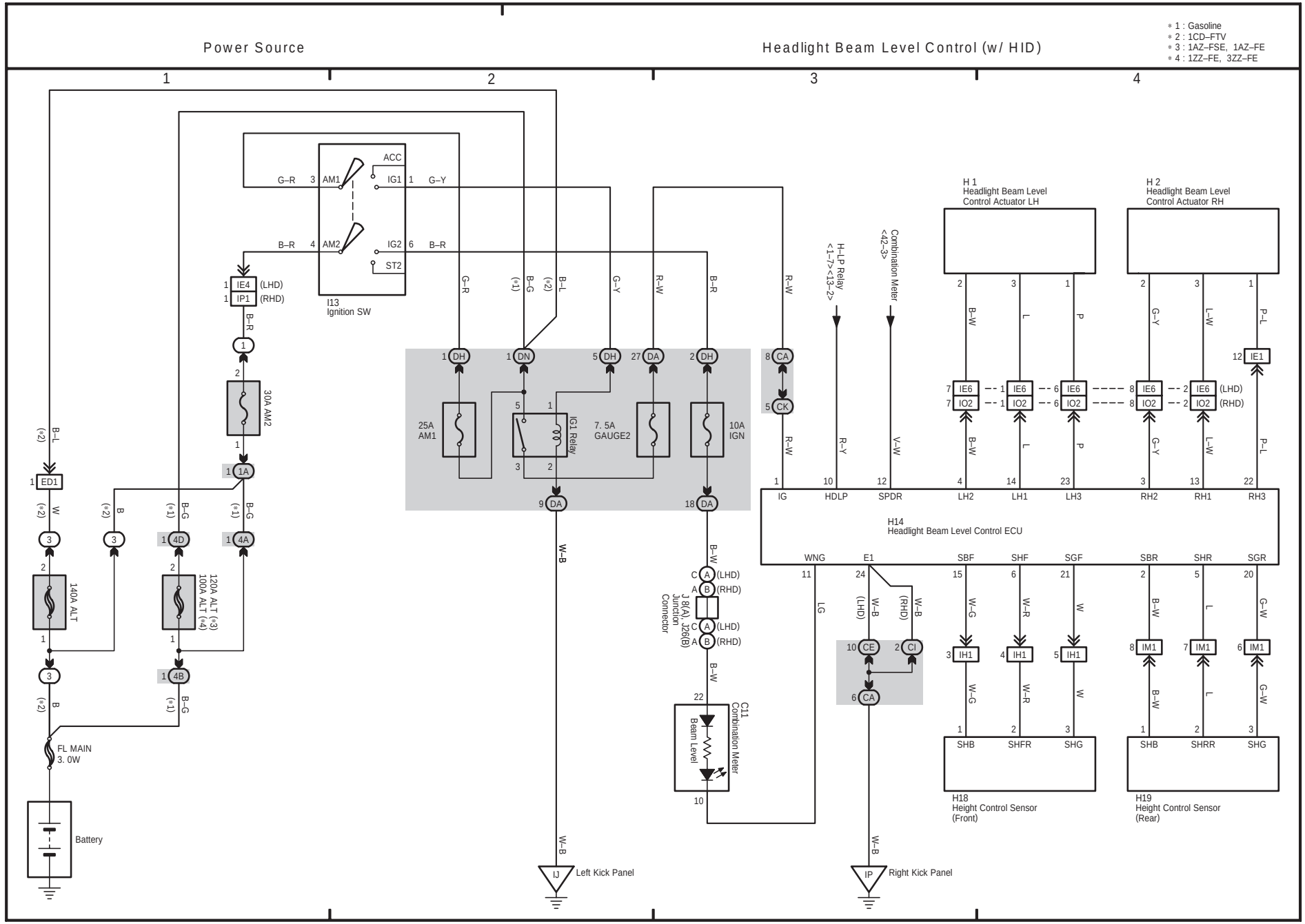
(Cont. next page)

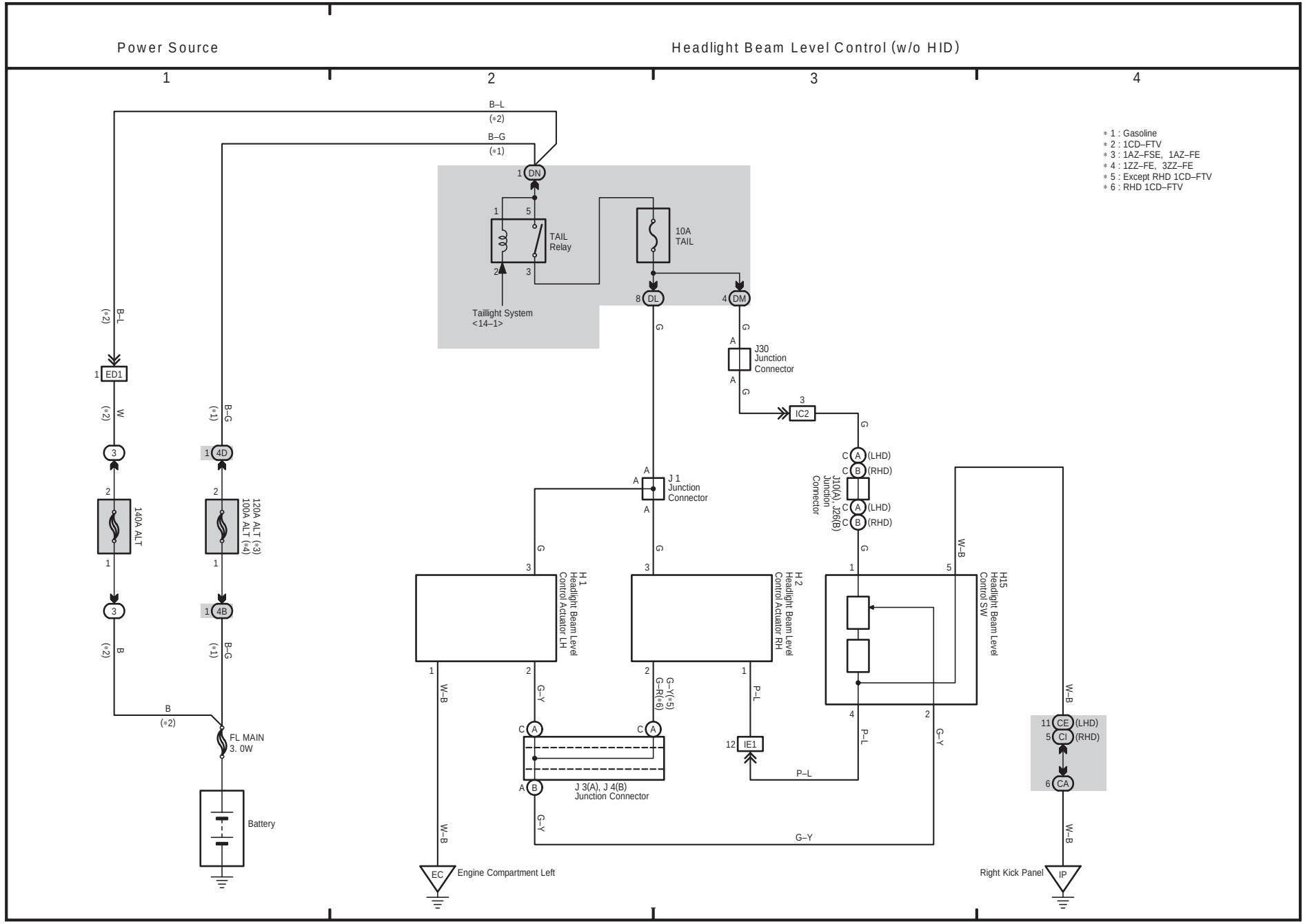


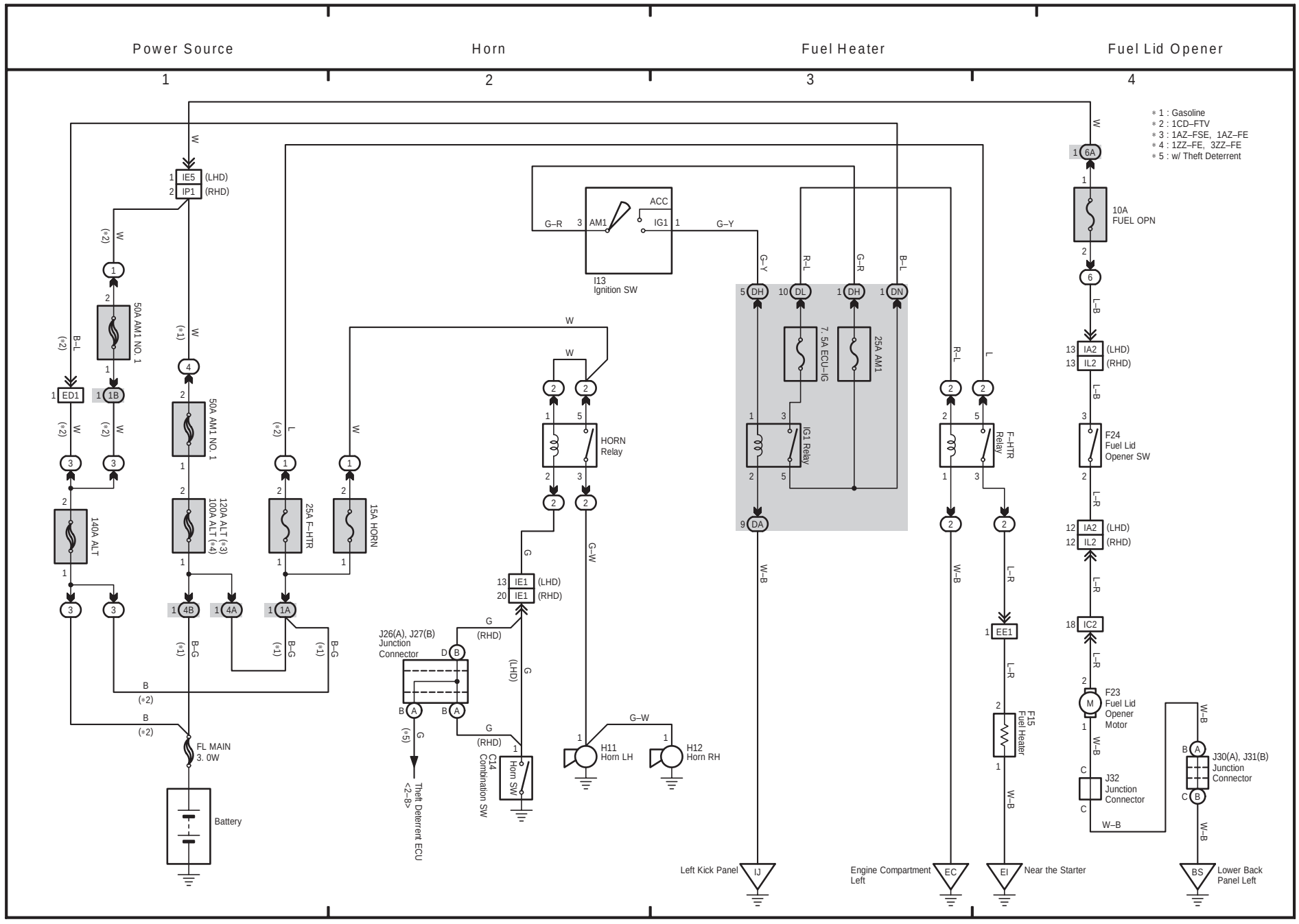


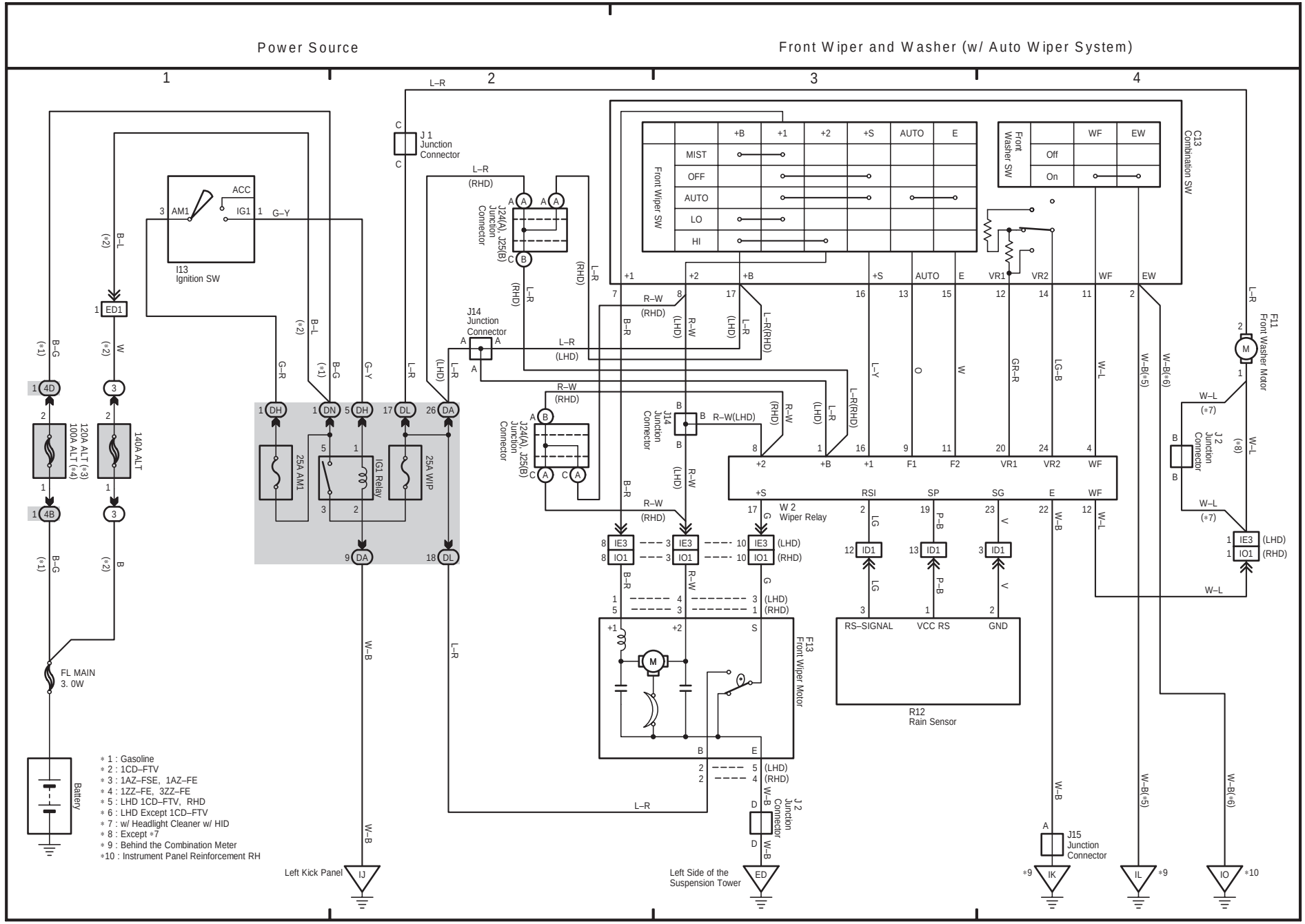

Power Source
SRS
* 1 : Gasoline
* 2 : 1CD-FTV
1
2
3
4
A
B
C
B-R
B-W
B-Y
ACC
IG1
IG2
ST2
ST1
ACC
IG1
IG2
ST1
ST2
ACC
IG1
IG2
ST1
ST2
ACC
IG1
IG2
ST1
ST2

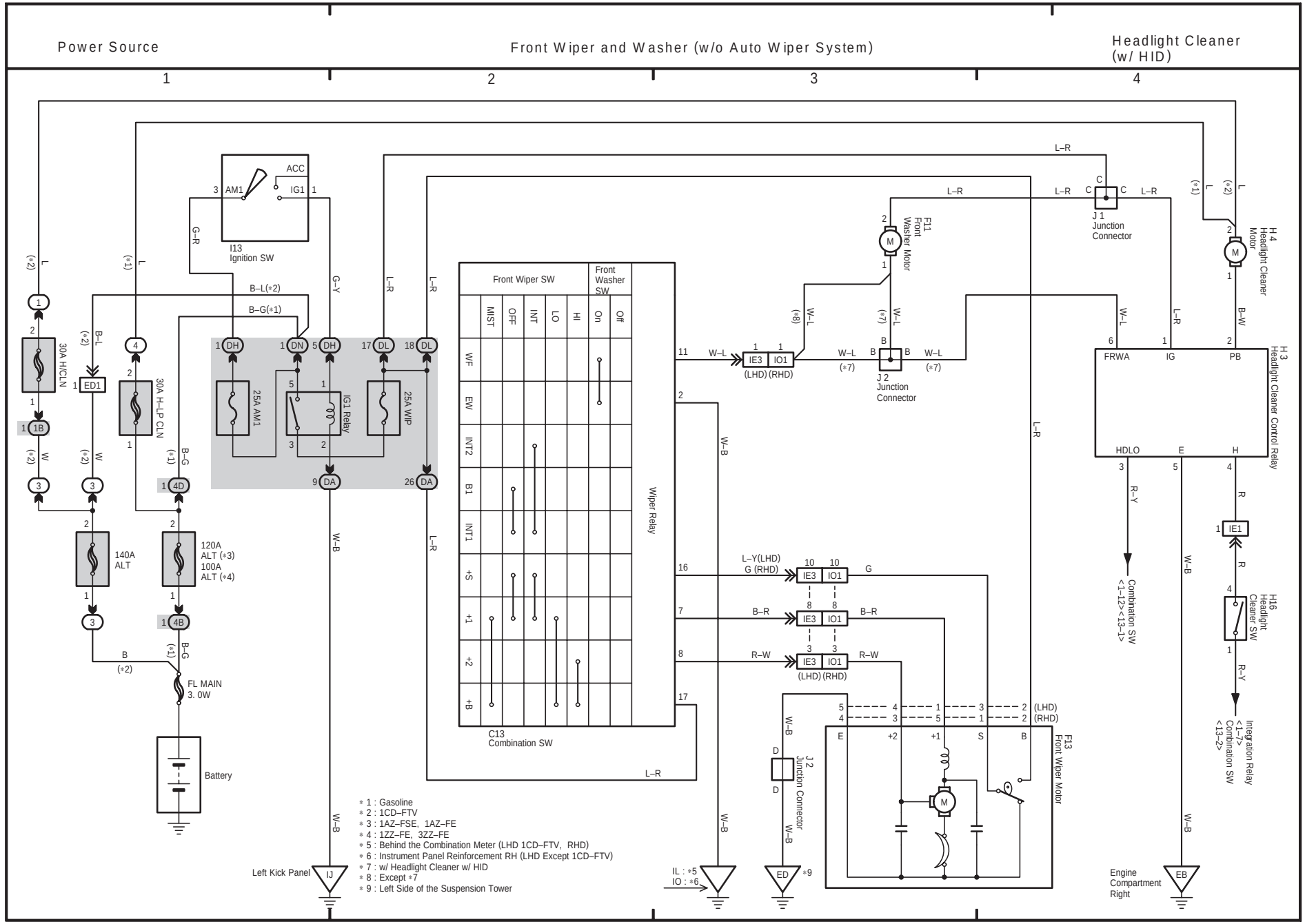

Power Source
EPS
1
2
3
4
ACC
AM1
AM2
IG1
IG2
ST2
I13
Ignition SW
G–R
G–Y
B–R
R–W
B–G
B–W
R
W–B
W–R
L
GR
GR–R
W–G
W–L
W
V–W
W–B
IE4 (LHD)
IP1 (RHD)
50A EMPS
30A AM2
100A ALT
FL MAIN
3. 0W
Battery
10A IGN
7. 5A ECU–IG
25A AM1
IG1 Relay
J 8(A), J26(B) Junction Connector
J10(A), J11(B), J20(C), J21(D) Junction Connector
C10(A), C11(B) Combination Meter
P/S
J17 Junction Connector
J16 Junction Connector
J15 Junction Connector
Left Kick Panel
IJ
IK
Behind the Combination Meter
IO
Instrument Panel Reinforcement RH
EMPS Relay
Engine and ECT ECU (AT)<7–11> Engine ECU (M/T) <7–11>
DLC3 <7–14>
DLC3 <7–14>
DLC3 <7–15>
IG
PIG
RLY
IDUP
TACH
SIL
TC
TS
E14(A), E15(B) EPS ECU
WL
M1
M2
TRQV
TRQ1
TRQ2
TRQG
SPD
PGND
EPS Motor
Torque Sensor
Combination Meter <42–4>
Behind the Combination Meter
IM

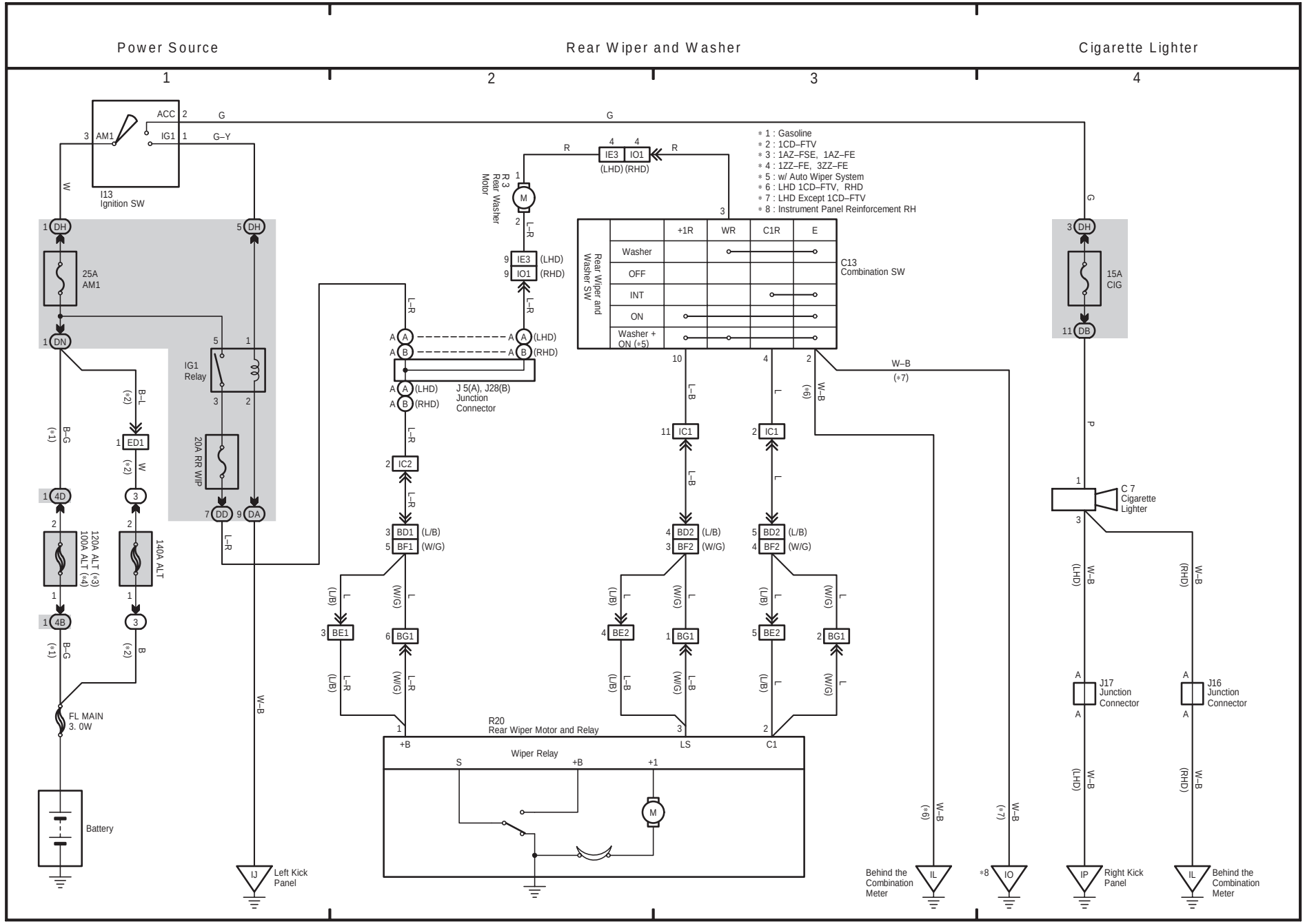

Power Source
Headlight Beam Level Control (w/ HID)
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
1
2
3
4
ACC
IG1
ST2
AM1
AM2
G–R
B–R
G–Y
I13
Ignition SW
IE4 (LHD)
IP1 (RHD)
30A AM2
140A ALT
120A ALT (*3)
100A ALT (*4)
FL MAIN
3. 0W
Battery
25A
AM1
IG1 Relay
7. 5A
GAUGE2
10A
IGN
W–B
IJ
Left Kick Panel
J 8(A), J26(B)
Junction
Connector
C11
Combination Meter
Beam Level
H–LP Relay
<1–7><13–2>
Combination Meter
<42–3>
H 1
Headlight Beam Level
Control Actuator LH
H 2
Headlight Beam Level
Control Actuator RH
IE6
IO2
IE1
IG
HDLP
SPDR
LH2
LH1
LH3
RH2
RH1
RH3
H14
Headlight Beam Level Control ECU
WNG
E1
SBF
SHF
SGF
SBR
SHR
SGR
IH1
IM1
SHB
SHFR
SHG
SHRR
H18
Height Control Sensor
(Front)
H19
Height Control Sensor
(Rear)
IP
Right Kick Panel

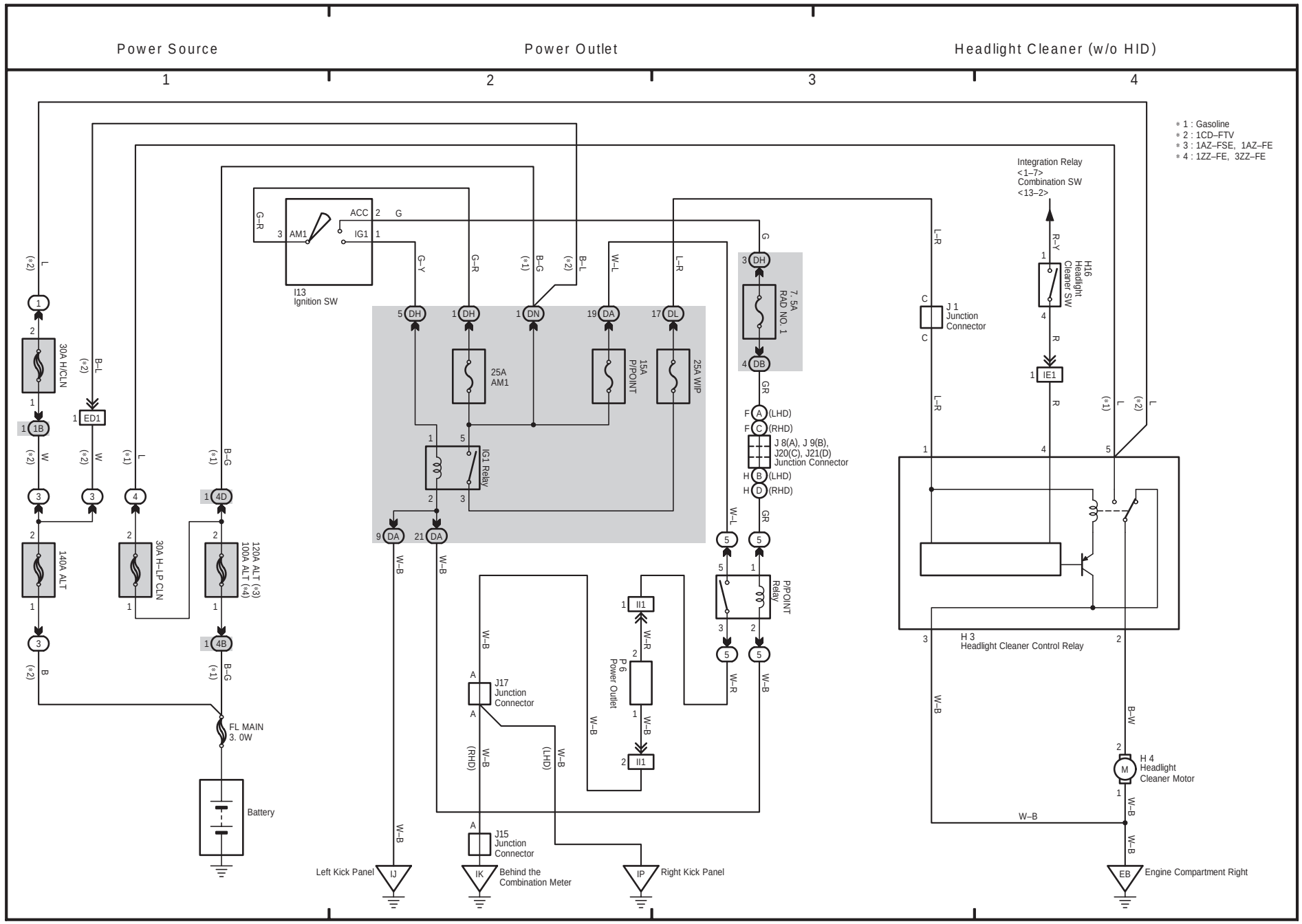

Power Source
Headlight Beam Level Control (w/o HID)
1
2
3
4
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : Except RHD 1CD–FTV
* 6 : RHD 1CD–FTV
B–L
(*2)
B–G
(*1)
1 DN
TAIL Relay
10A TAIL
8 DL
4 DM
Taillight System <14–1>
J30 Junction Connector
3 IC2
C A (LHD)
C B (RHD)
110(A), 126(B) Junction Connector
J 1 Junction Connector
H 1 Headlight Beam Level Control Actuator LH
H 2 Headlight Beam Level Control Actuator RH
H15 Headlight Beam Level Control SW
1 ED1
3
140A ALT
1 4D
120A ALT (*3) 100A ALT (*4)
1 4B
FL MAIN 3. 0W
Battery
J 3(A), J 4(B) Junction Connector
12 IE1
11 CE (LHD)
5 CI (RHD)
6 CA
EC
Engine Compartment Left
Right Kick Panel
IP
W–B
G
G–Y
G–Y(*5)
G–R(*6)
P–L
B

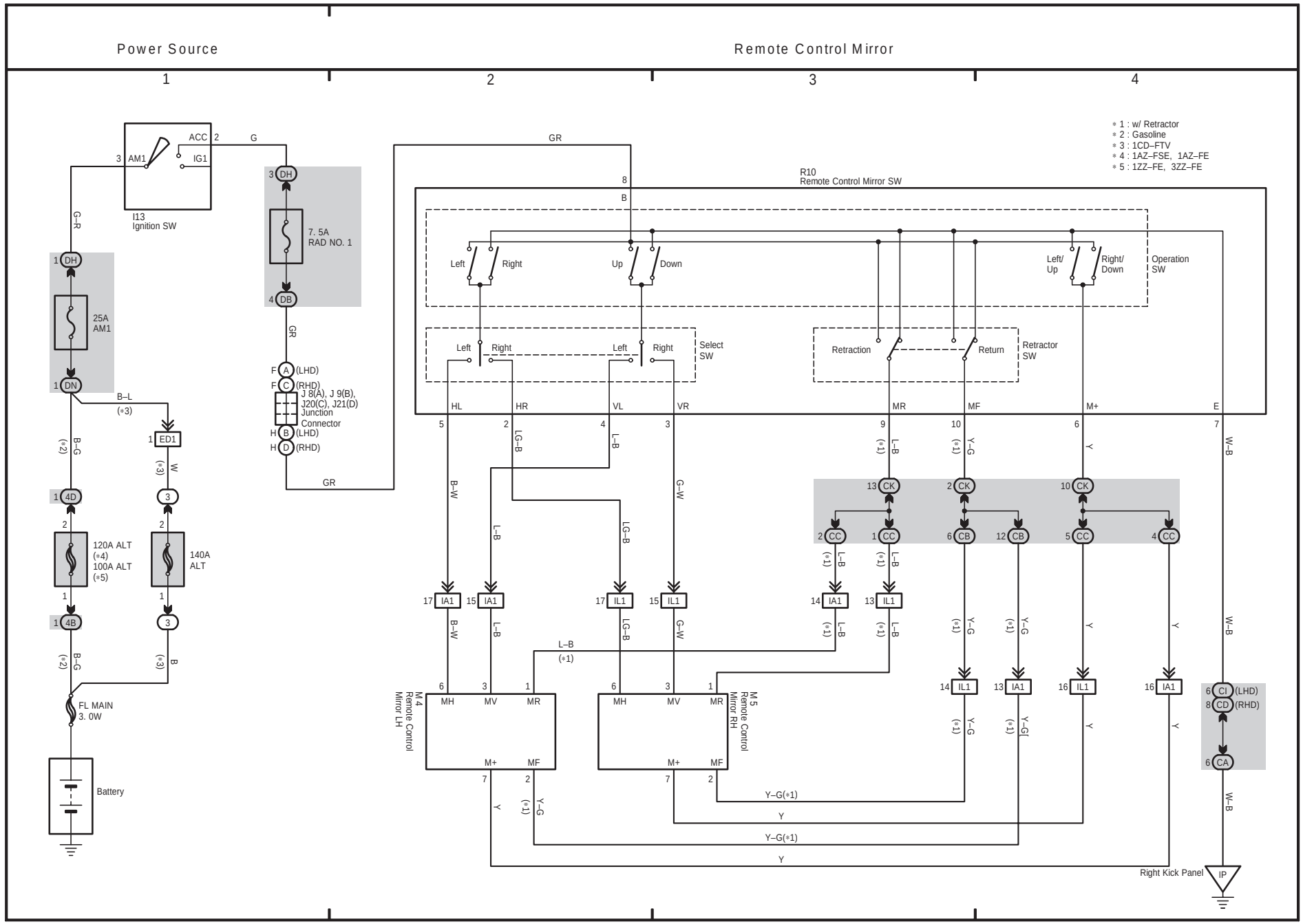

Power Source
Horn
Fuel Heater
Fuel Lid Opener
1
2
3
4
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : w/ Theft Deterrent
IE5 (LHD)
IP1 (RHD)
50A AM1 NO. 1
50A AM1 NO. 1
140A ALT
120A ALT (*3)
100A ALT (*4)
25A F–HTR
15A HORN
FL MAIN
3. 0W
Battery
I13
Ignition SW
ACC
AM1
IG1
7. 5A ECU–IG
25A AM1
IG1 Relay
HORN
Relay
F–HTR
Relay
J26(A), J27(B)
Junction
Connector
IE1 (LHD)
IE1 (RHD)
C14
Combination SW
Horn SW
Theft Deterrent ECU
<2–8>
H11
Horn LH
H12
Horn RH
10A
FUEL OPN
IA2 (LHD)
IL2 (RHD)
F24
Fuel Lid
Opener SW
IC2
F23
Fuel Lid
Opener
Motor
J32
Junction
Connector
J30(A), J31(B)
Junction
Connector
EE1
F15
Fuel Heater
Left Kick Panel
IJ
Engine Compartment
Left
EC
EI
Near the Starter
BS
Lower Back
Panel Left

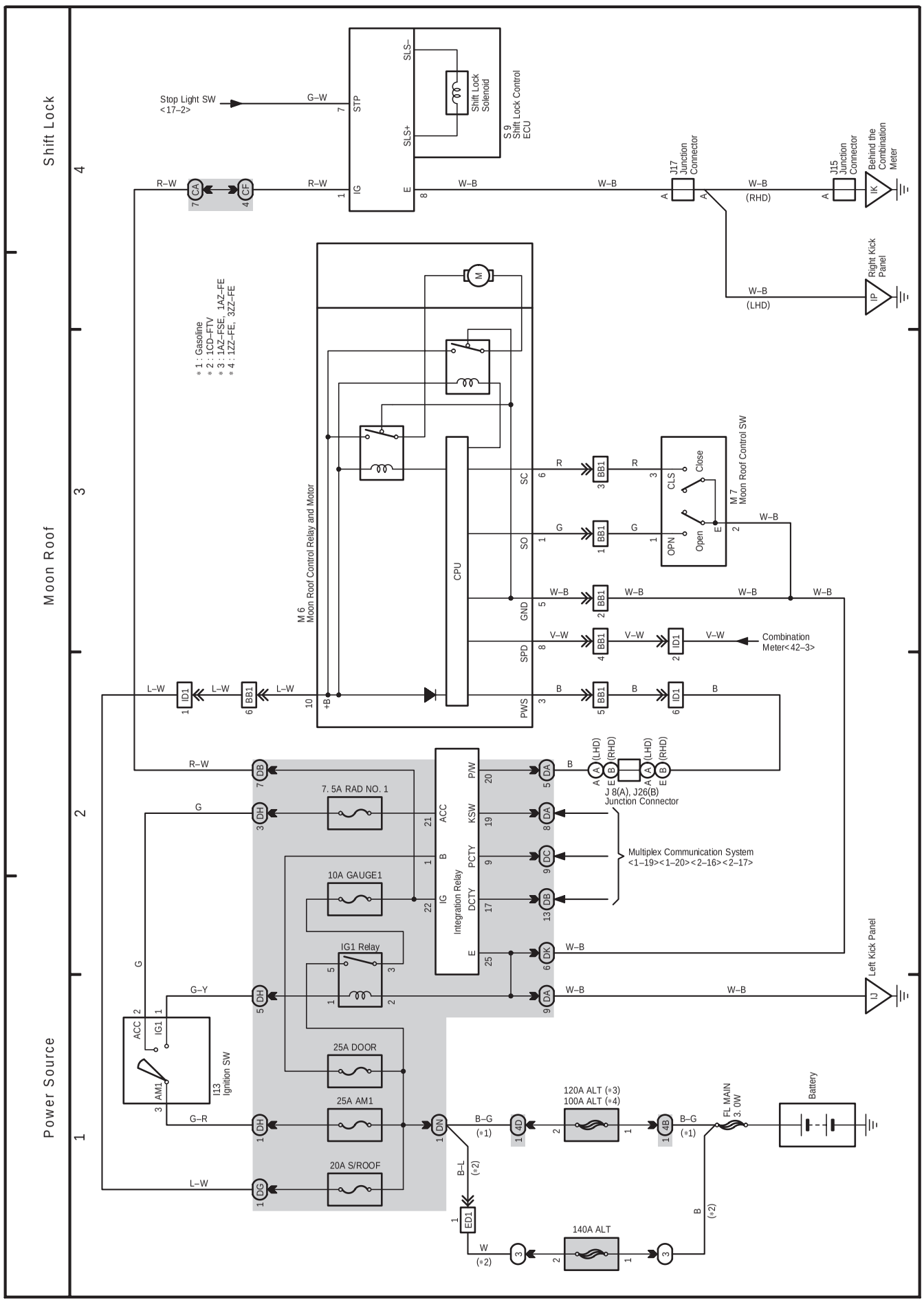

Power Source
Front Wiper and Washer (w/ Auto Wiper System)
1
2
3
4
J 1 Junction Connector
I13 Ignition SW
ACC
IG1
AM1
ED1
4D
4B
120A ALT (*3)
100A ALT (*4)
140A ALT
FL MAIN
3. 0W
Battery
DH
DN
DL
DA
25A AM1
IG1 Relay
25A WIP
J24(A), J25(B) Junction Connector
J14 Junction Connector
IE3
IO1
ID1
W 2 Wiper Relay
F13 Front Wiper Motor
R12 Rain Sensor
RS–SIGNAL
VCC RS
GND
Front Wiper SW
MIST
OFF
AUTO
LO
HI
Front Washer SW
Off
On
C13 Combination SW
F11 Front Washer Motor
J2 Junction Connector
J15 Junction Connector
Left Kick Panel
IJ
Left Side of the Suspension Tower
ED
IK
IL
IO
*9
*10
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : LHD 1CD–FTV, RHD
* 6 : LHD Except 1CD–FTV
* 7 : w/ Headlight Cleaner w/ HID
* 8 : Except *7
* 9 : Behind the Combination Meter
*10 : Instrument Panel Reinforcement RH


Power Source
Front Wiper and Washer (w/o Auto Wiper System)
Headlight Cleaner (w/ HID)
1
2
3
4
ACC
IG1
AM1
I13
Ignition SW
G–R
B–L(*2)
B–G(*1)
G–Y
L–R
W–B
30A H/CLN
30A H–LP CLN
ED1
25A AM1
IG1 Relay
25A WIP
140A
ALT
120A
ALT (*3)
100A
ALT (*4)
FL MAIN
3. 0W
Battery
Front Wiper SW
Front
Washer
SW
MIST
OFF
INT
LO
HI
On
Off
WF
EW
INT2
B1
INT1
+S
+1
+2
+B
Wiper Relay
C13
Combination SW
W–L
L–Y(LHD)
G (RHD)
B–R
R–W
(LHD) (RHD)
IE3
IO1
F11
Front
Washer Motor
J 1
Junction
Connector
J 2
Junction
Connector
H 4
Headlight Cleaner
Motor
H 3
Headlight Cleaner Control Relay
FRWA
IG
PB
HDLO
E
H
R–Y
Combination SW
<1–12><13–1>
IE1
H16
Headlight
Cleaner SW
R–Y
Integration Relay
<1–7>
Combination SW
<13–2>
F13
Front Wiper Motor
(LHD)
(RHD)
E
+2
+1
S
B
Left Kick Panel
IJ
IL : *5
IO : *6
ED
*9
Engine
Compartment
Right
EB
*1 : Gasoline
*2 : 1CD–FTV
*3 : 1AZ–FSE, 1AZ–FE
*4 : 1ZZ–FE, 3ZZ–FE
*5 : Behind the Combination Meter (LHD 1CD–FTV, RHD)
*6 : Instrument Panel Reinforcement RH (LHD Except 1CD–FTV)
*7 : w/ Headlight Cleaner w/ HID
*8 : Except *7
*9 : Left Side of the Suspension Tower

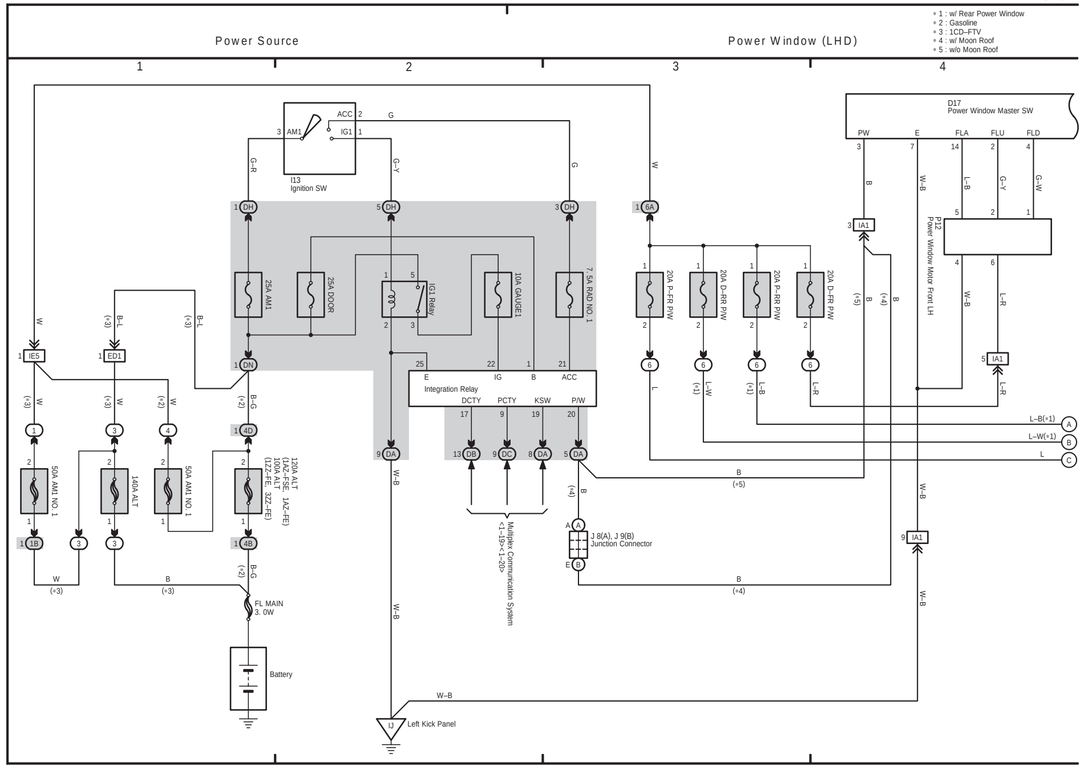

Power Source
Rear Wiper and Washer
Cigarette Lighter
1
2
3
4
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : w/ Auto Wiper System
* 6 : LHD 1CD–FTV, RHD
* 7 : LHD Except 1CD–FTV
* 8 : Instrument Panel Reinforcement RH
I13 Ignition SW
ACC
AM1
IG1
25A AM1
IG1 Relay
20A RR WIP
120A ALT (*3) 100A ALT (*4)
140A ALT
FL MAIN 3. 0W
Battery
Left Kick Panel
R 3 Rear Washer Motor
IE3 IO1 (LHD) (RHD)
C13 Combination SW
Rear Wiper and Washer SW
+1R WR C1R E
Washer
OFF
INT
ON
Washer + ON (*5)
J 5(A), J28(B) Junction Connector
R20 Rear Wiper Motor and Relay
Wiper Relay
+B
S
+1
LS
C1
15A CIG
C 7 Cigarette Lighter
J17 Junction Connector
J16 Junction Connector
Behind the Combination Meter
Right Kick Panel
Behind the Combination Meter


Power Source
Power Outlet
Headlight Cleaner (w/o HID)
1
2
3
4
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
I13 Ignition SW
ACC
IG1
AM1
30A H/CLN
140A ALT
30A H–LP CLN
120A ALT (*3)
100A ALT (*4)
FL MAIN 3. 0W
Battery
25A AM1
15A P/POINT
25A WIP
7. 5A RAD NO. 1
IG1 Relay
P/POINT Relay
J 8(A), J 9(B), J20(C), J21(D) Junction Connector
J 1 Junction Connector
J17 Junction Connector
J15 Junction Connector
P 6 Power Outlet
Integration Relay <1–7> Combination SW <13–2>
H16 Headlight Cleaner SW
H 3 Headlight Cleaner Control Relay
H 4 Headlight Cleaner Motor
Left Kick Panel
Behind the Combination Meter
Right Kick Panel
Engine Compartment Right

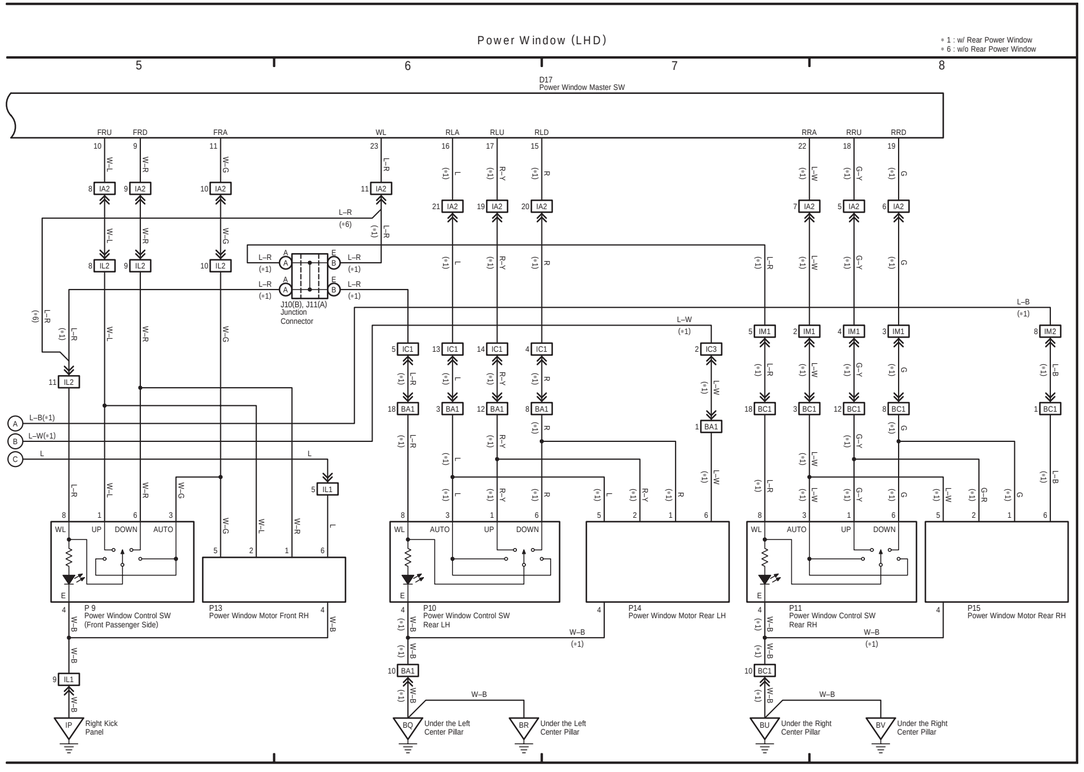

Power Source
Remote Control Mirror
1
2
3
4
∗ 1 : w/ Retractor
∗ 2 : Gasoline
∗ 3 : 1CD–FTV
∗ 4 : 1AZ–FSE, 1AZ–FE
∗ 5 : 1ZZ–FE, 3ZZ–FE
I13
Ignition SW
ACC
AM1
IG1
7. 5A
RAD NO. 1
25A
AM1
120A ALT
(∗4)
100A ALT
(∗5)
140A
ALT
FL MAIN
3. 0W
Battery
J 8(A), J 9(B),
J20(C), J21(D)
Junction
Connector
(LHD)
(RHD)
R10
Remote Control Mirror SW
Left
Right
Up
Down
Left/
Up
Right/
Down
Operation
SW
Select
SW
Retraction
Return
Retractor
SW
HL
HR
VL
VR
MR
MF
M+
E
M 4
Remote Control
Mirror LH
M 5
Remote Control
Mirror RH
MH
MV
MR
Right Kick Panel
IP


Shift Lock
Moon Roof
Power Source
Stop Light SW
<17–2>
G–W
STP
SLS–
SLS+
Shift Lock Solenoid
S 9
Shift Lock Control ECU
IG
E
R–W
W–B
J17 Junction Connector
J15 Junction Connector
Behind the Combination Meter
(RHD)
(LHD)
Right Kick Panel
Left Kick Panel
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
M 6
Moon Roof Control Relay and Motor
CPU
SC
SO
GND
SPD
PWS
+B
M 7
Moon Roof Control SW
CLS
Close
OPN
Open
Combination Meter<42–3>
J 8(A), J26(B)
Junction Connector
Multiplex Communication System
<1–19><1–20><2–16><2–17>
7. 5A RAD NO. 1
10A GAUGE1
IG1 Relay
25A DOOR
25A AM1
20A S/ROOF
Integration Relay
P/W
KSW
PCTY
DCTY
ACC
IG
I13
Ignition SW
IG1
AM1
120A ALT (*3)
100A ALT (*4)
140A ALT
FL MAIN
3. 0W
Battery
B–G
B–L
G–R
G–Y
L–W
V–W
(*1)
(*2)

(Cont. next page)

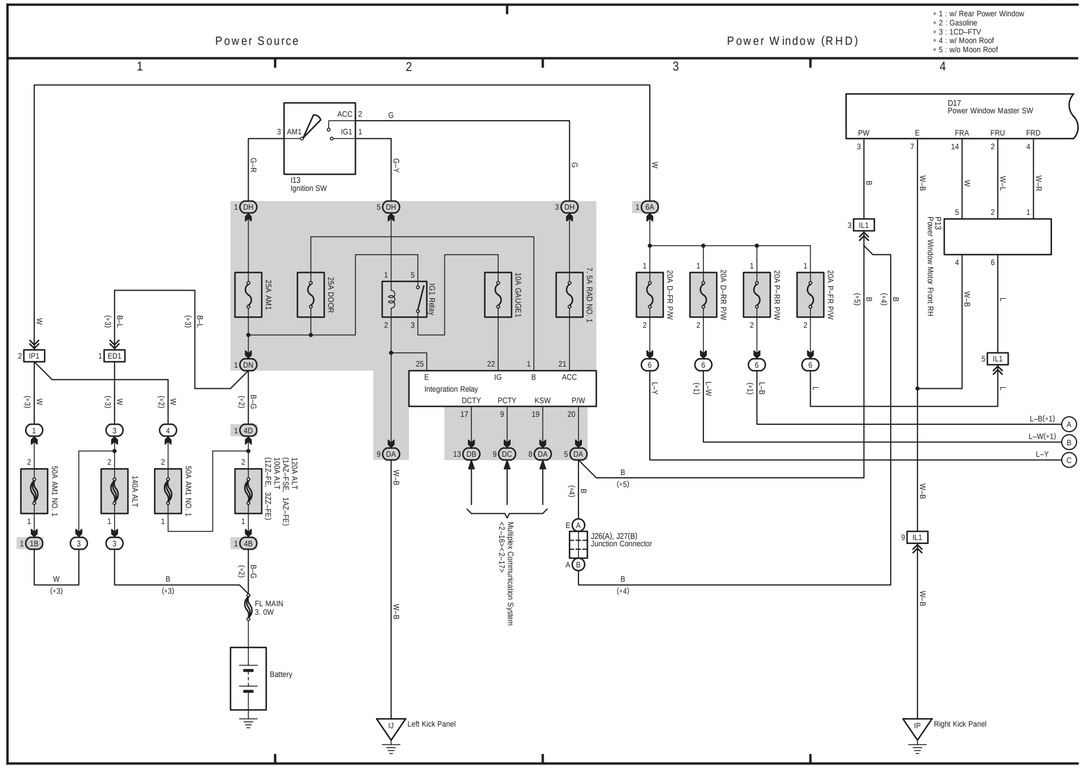


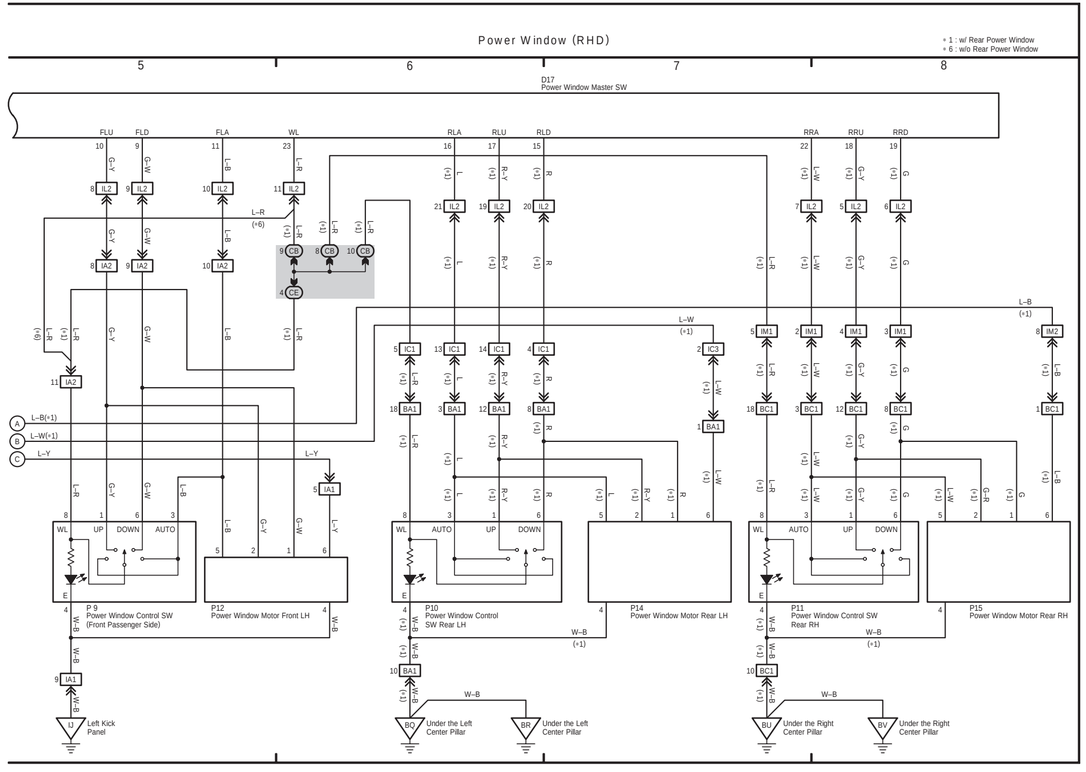
M OVERALL ELECTRICAL WIRING DIAGRAM

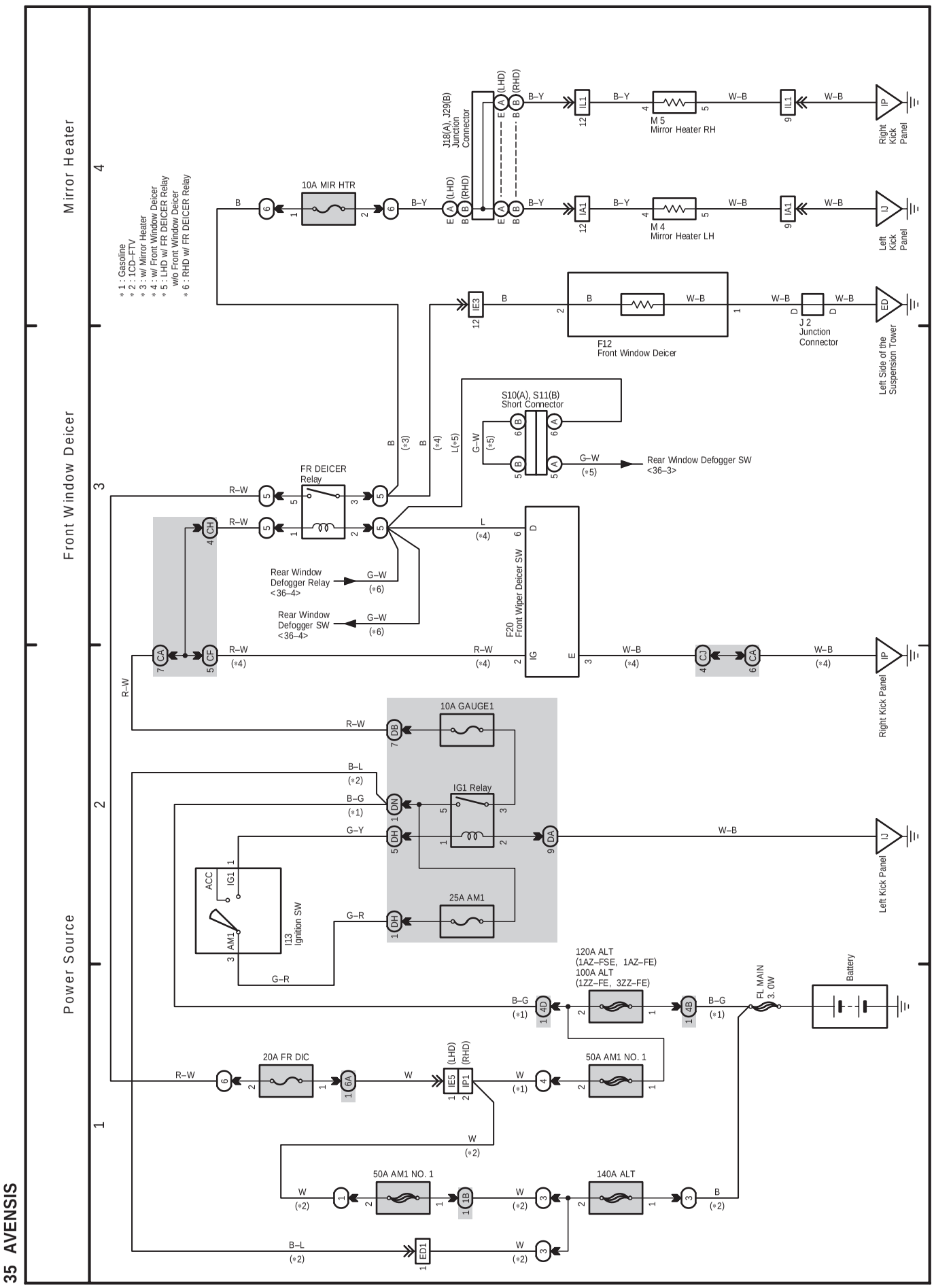


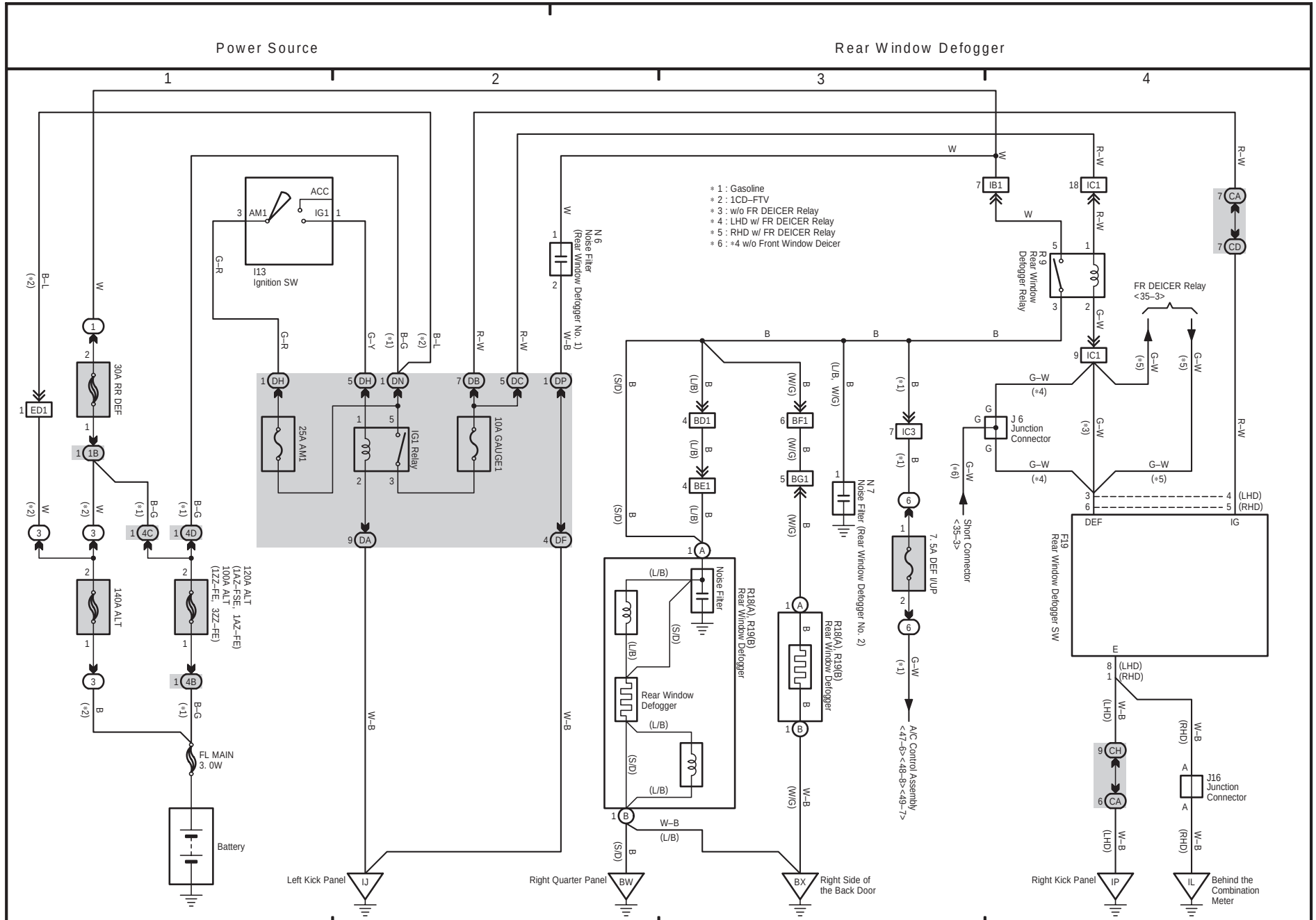
M

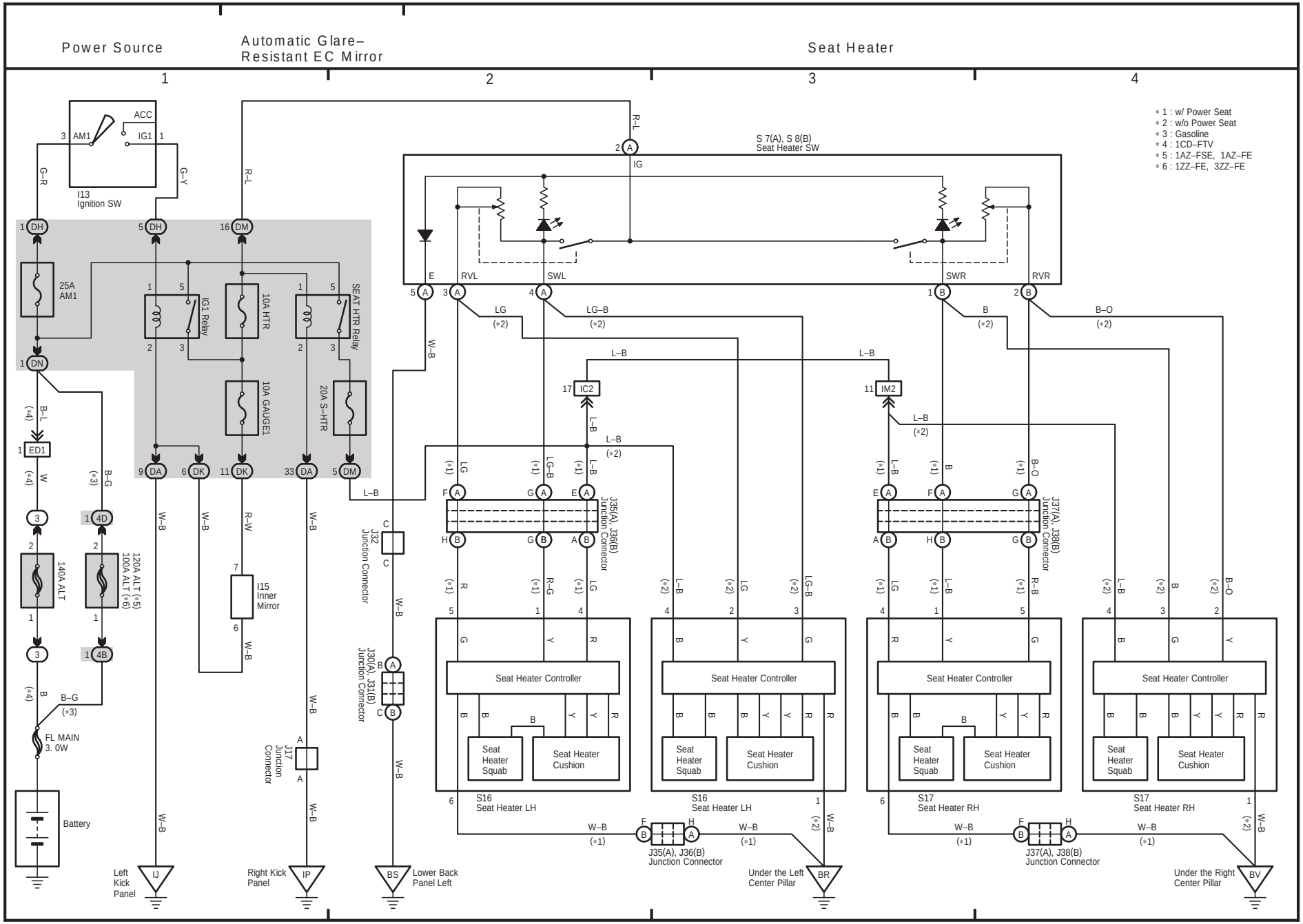
(Cont. next page)

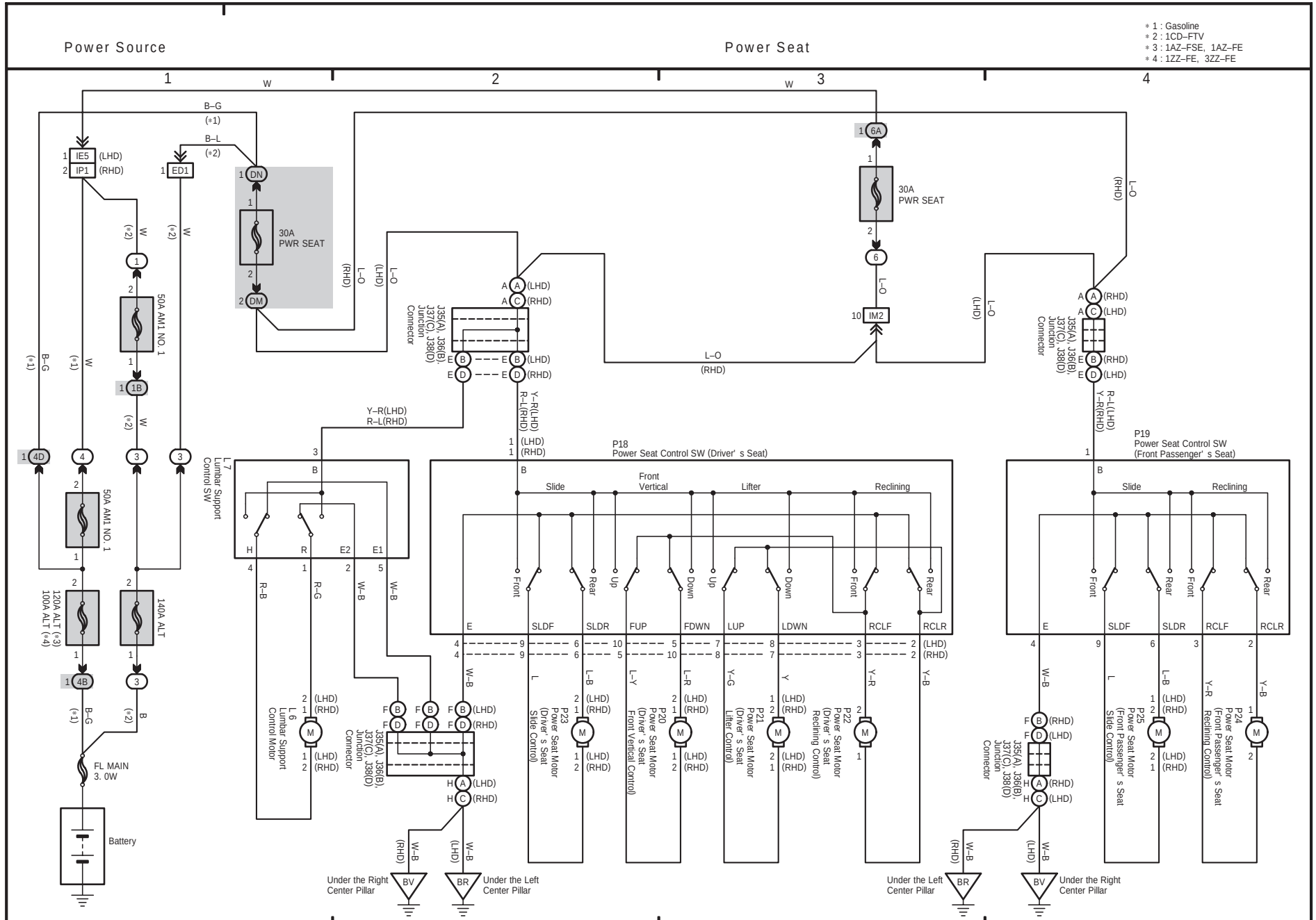


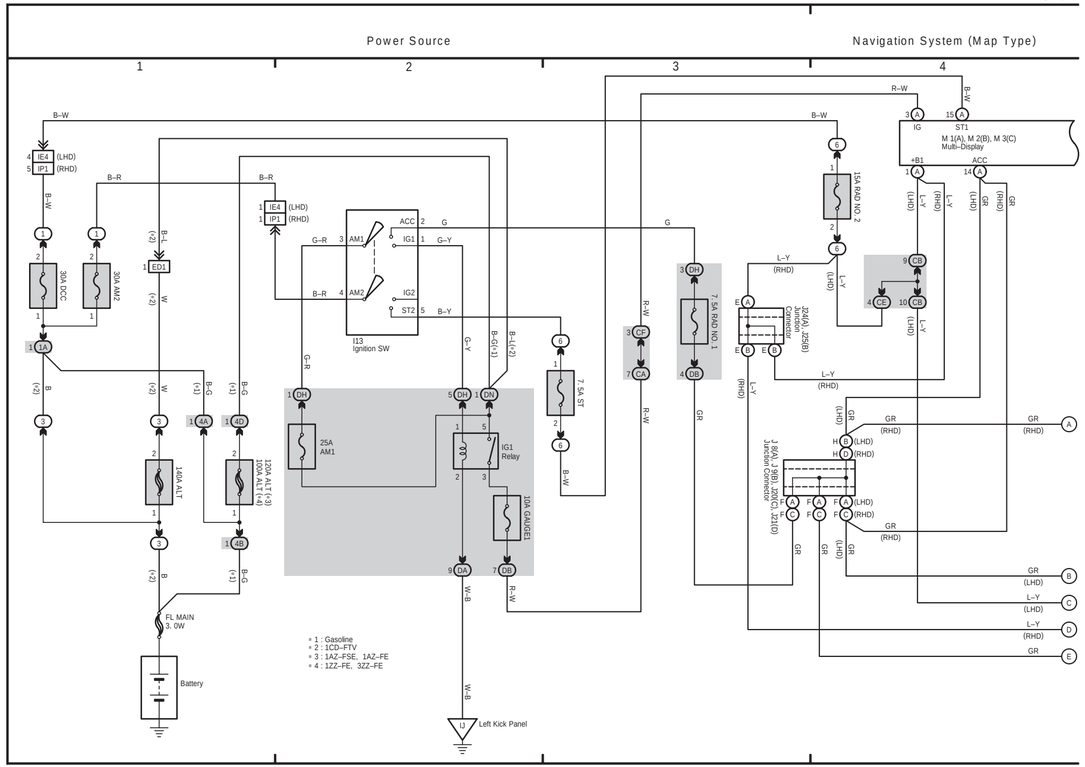


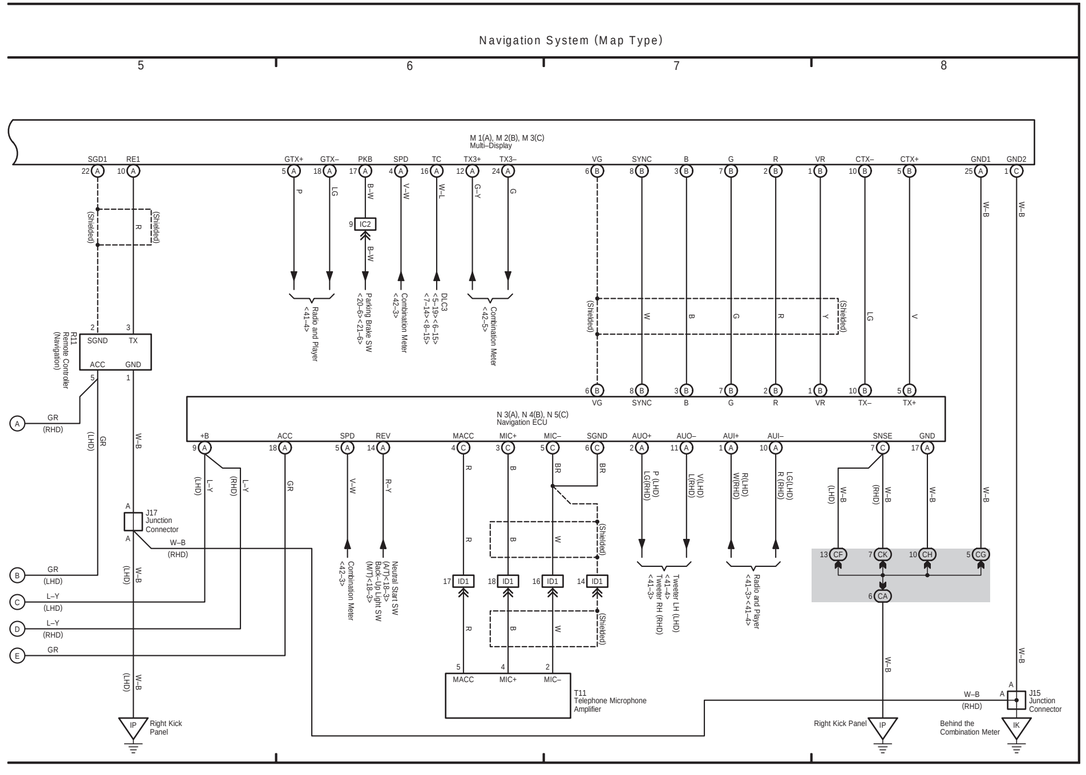

Mirror Heater
Front Window Deicer
Power Source
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : w/ Mirror Heater
* 4 : w/ Front Window Deicer
* 5 : LHD w/ FR DEICER Relay w/o Front Window Deicer
* 6 : RHD w/ FR DEICER Relay
10A MIR HTR
J18(A), J29(B) Junction Connector
M 5 Mirror Heater RH
M 4 Mirror Heater LH
Right Kick Panel
Left Kick Panel
F12 Front Window Deicer
J 2 Junction Connector
Left Side of the Suspension Tower
S10(A), S11(B) Short Connector
Rear Window Defogger SW <36–3>
FR DEICER Relay
Rear Window Defogger Relay <36–4>
Rear Window Defogger SW <36–4>
F20 Front Wiper Deicer SW
10A GAUGE1
IG1 Relay
25A AM1
I13 Ignition SW
120A ALT (1AZ–FSE, 1AZ–FE) 100A ALT (1ZZ–FE, 3ZZ–FE)
FL MAIN 3. 0W
Battery
20A FR DIC
50A AM1 NO. 1
50A AM1 NO. 1
140A ALT

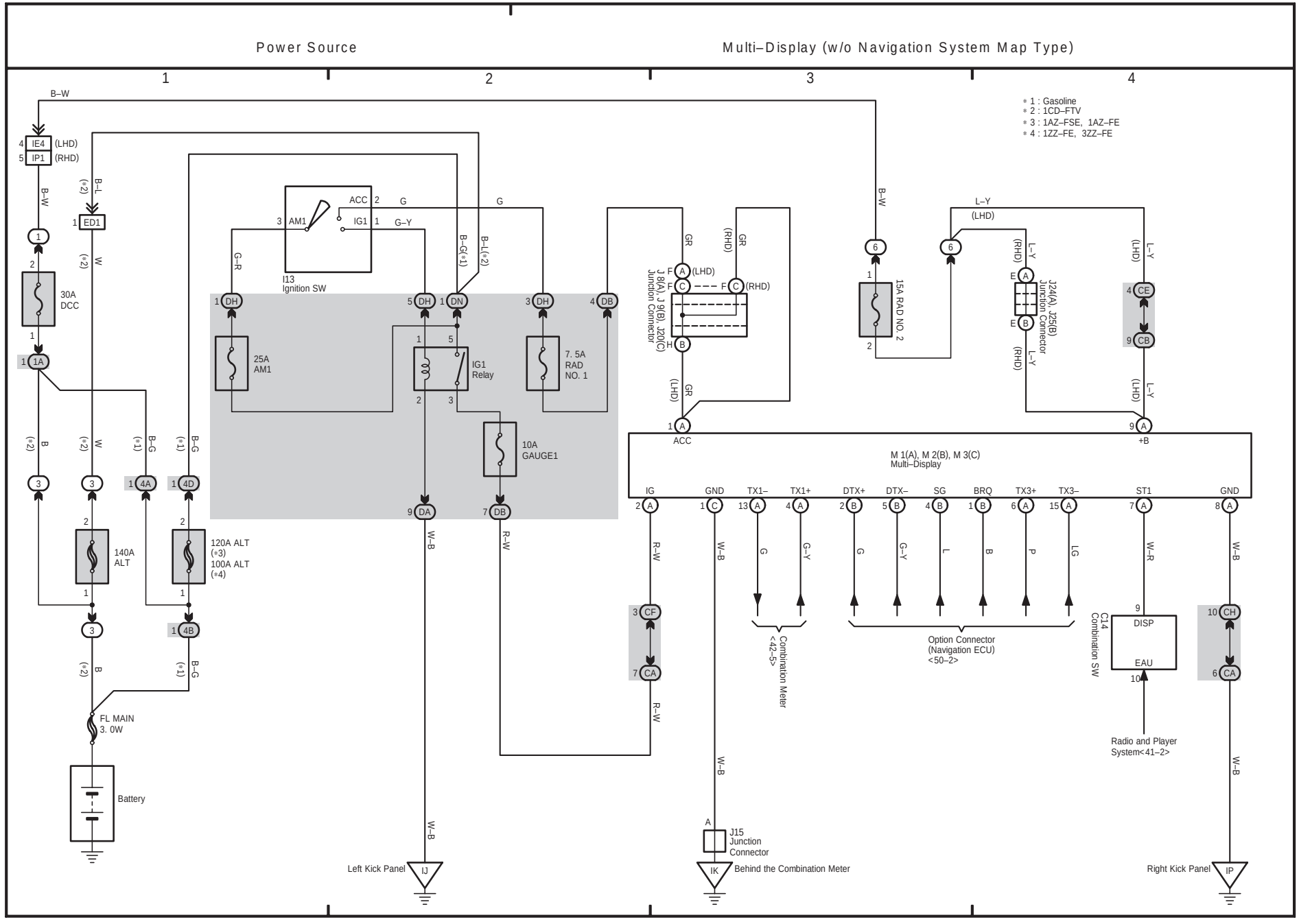

Power Source
Rear Window Defogger
1
2
3
4
＊1 : Gasoline
＊2 : 1CD–FTV
＊3 : w/o FR DEICER Relay
＊4 : LHD w/ FR DEICER Relay
＊5 : RHD w/ FR DEICER Relay
＊6 : ＊4 w/o Front Window Deicer
ACC
IG1
AM1
I13
Ignition SW
N 6
Noise Filter
(Rear Window Defogger No. 1)
R 9
Rear Window
Defogger Relay
FR DEICER Relay
<35–3>
30A RR DEF
25A AM1
IG1 Relay
10A GAUGE1
140A ALT
120A ALT
(1AZ–FSE, 1AZ–FE)
100A ALT
(1ZZ–FE, 3ZZ–FE)
FL MAIN
3. 0W
Battery
N 7
Noise Filter (Rear Window Defogger No. 2)
7. 5A DEF I/UP
Short Connector
<35–3>
J 6
Junction
Connector
F19
Rear Window Defogger SW
DEF
IG
R18(A), R19(B)
Rear Window Defogger
Noise Filter
Rear Window
Defogger
J16
Junction
Connector
A/C Control Assembly
<47–5><48–8><49–7>
Left Kick Panel
Right Quarter Panel
Right Side of
the Back Door
Right Kick Panel
Behind the
Combination
Meter
(LHD)
(RHD)

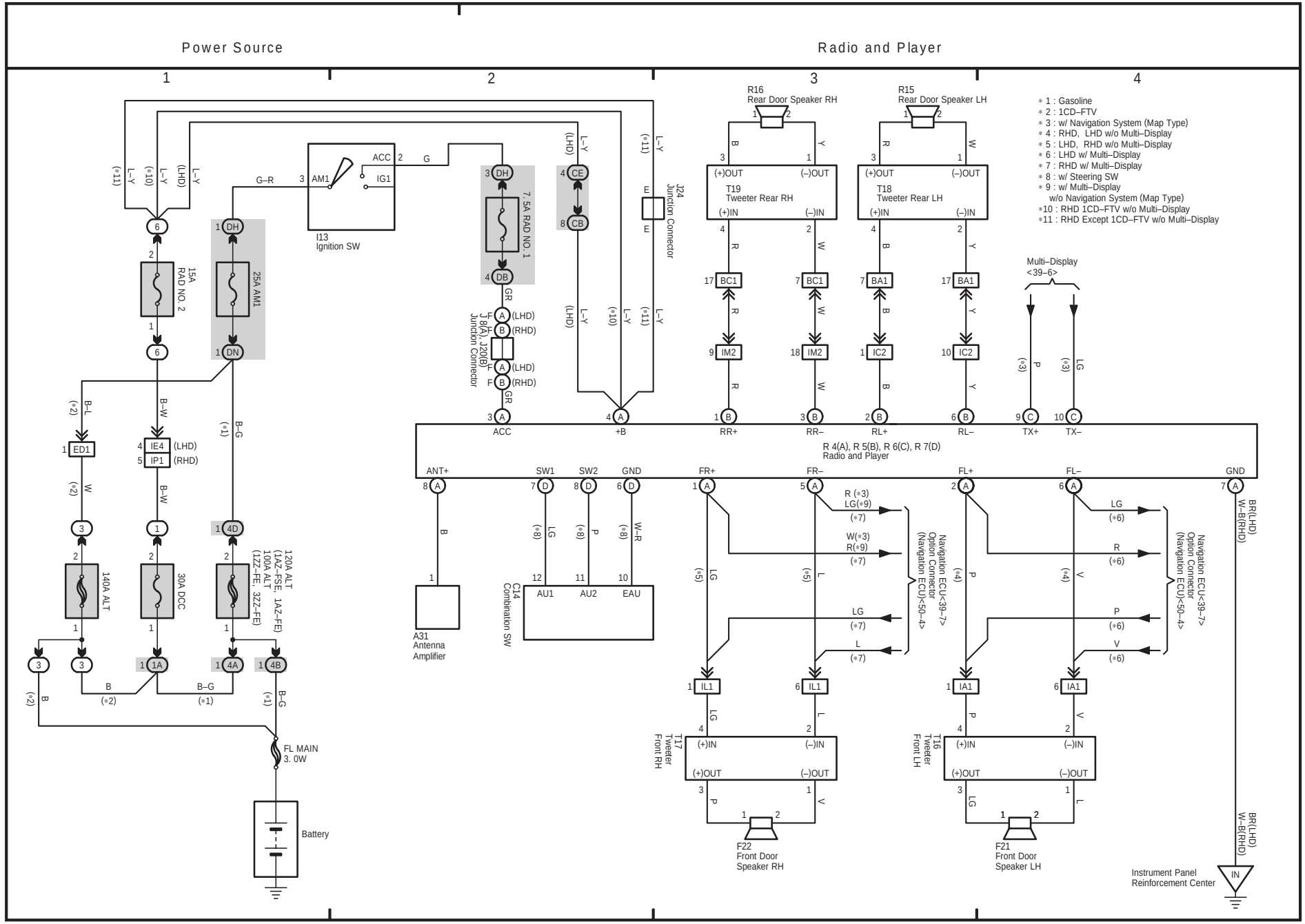

Power Source
Automatic Glare–Resistant EC Mirror
Seat Heater
1
2
3
4
∗ 1 : w/ Power Seat
∗ 2 : w/o Power Seat
∗ 3 : Gasoline
∗ 4 : 1CD–FTV
∗ 5 : 1AZ–FSE, 1AZ–FE
∗ 6 : 1ZZ–FE, 3ZZ–FE
ACC
IG1
AM1
I13
Ignition SW
25A AM1
IG1 Relay
10A HTR
SEAT HTR Relay
10A GAUGE1
20A S–HTR
ED1
140A ALT
120A ALT (∗5)
100A ALT (∗6)
FL MAIN
3. 0W
Battery
I15
Inner Mirror
S 7(A), S 8(B)
Seat Heater SW
IG
RVL
SWL
SWR
RVR
IC2
IM2
J32
Junction Connector
J30(A), J31(B)
Junction Connector
J35(A), J36(B)
Junction Connector
J37(A), J38(B)
Junction Connector
J17
Junction Connector
Seat Heater Controller
Seat Heater Squab
Seat Heater Cushion
S16
Seat Heater LH
S17
Seat Heater RH
Left Kick Panel
Right Kick Panel
Lower Back Panel Left
Under the Left Center Pillar
Under the Right Center Pillar
IJ
IP
BS
BR
BV

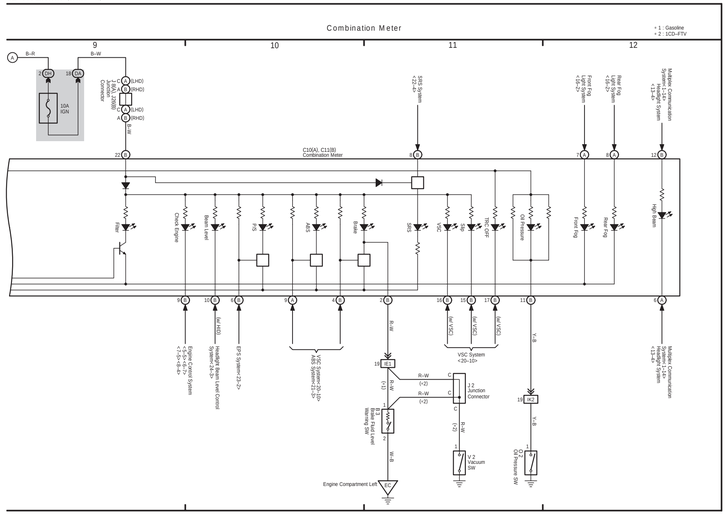

Power Source
Power Seat
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
1
2
3
4
W
B–G (*1)
B–L (*2)
IE5 (LHD)
IP1 (RHD)
ED1
DN
DM
30A PWR SEAT
6A
6
10
IM2
50A AM1 NO. 1
1B
4D
4
3
50A AM1 NO. 1
120A ALT (*3)
100A ALT (*4)
140A ALT
4B
FL MAIN 3. 0W
Battery
L–O (RHD)
L–O (LHD)
J35(A), J36(B), J37(C), J38(D) Junction Connector
Y–R(LHD) R–L(RHD)
R–L(LHD) Y–R(RHD)
L 7 Lumbar Support Control SW
H
R
E2
E1
R–B
R–G
W–B
L 6 Lumbar Support Control Motor
P18 Power Seat Control SW (Driver' s Seat)
P19 Power Seat Control SW (Front Passenger' s Seat)
Slide
Front Vertical
Lifter
Reclining
Front
Rear
Up
Down
E
SLDF
SLDR
FUP
FDWN
LUP
LDWN
RCLF
RCLR
P23 Power Seat Motor (Driver' s Seat Slide Control)
P20 Power Seat Motor (Driver' s Seat Front Vertical Control)
P21 Power Seat Motor (Driver' s Seat Lifter Control)
P22 Power Seat Motor (Driver' s Seat Reclining Control)
P25 Power Seat Motor (Front Passenger' s Seat Slide Control)
P24 Power Seat Motor (Front Passenger' s Seat Reclining Control)
L–B
L–R
L–Y
Y–G
Y
Y–R
Y–B
L
(LHD)
(RHD)
Under the Right Center Pillar
Under the Left Center Pillar
BV
BR

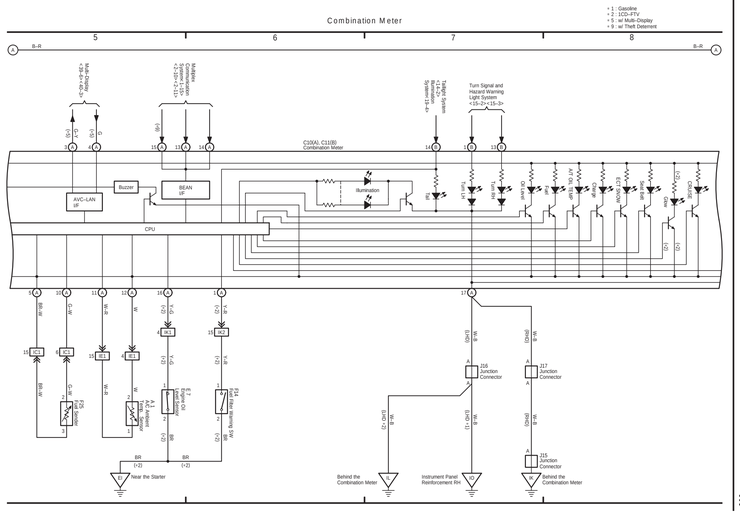

Power Source
Navigation System (Map Type)
1
2
3
4
B–W
R–W
B–R
G
G–R
G–Y
B–Y
L–Y
GR
W–B
B–G
B–L
W
B
R
L
Y
G
V
P
BR
SB
LG
O
4 IE4 (LHD)
5 IP1 (RHD)
1 IE4 (LHD)
1 IP1 (RHD)
30A DCC
30A AM2
ED1
I13 Ignition SW
ACC
IG1
IG2
AM1
AM2
ST2
25A AM1
140A ALT
120A ALT (*3)
100A ALT (*4)
FL MAIN 3. 0W
Battery
15A RAD NO. 2
7. 5A RAD NO. 1
7. 5A ST
IG1 Relay
10A GAUGE1
J/B (A), J 96B, 120(C), J27(D) Junction Connector
J24(A), J52(B) Junction Connector
IG
ST1
M 1(A), M 2(B), M 3(C) Multi–Display
+B1
ACC
CF
CA
DH
DN
DA
DB
CB
CE
IA
IB
IC
ID
4A
4B
4C
4D
3
2
1
5
6
7
9
10
A
B
C
D
E
F
H
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
IJ Left Kick Panel

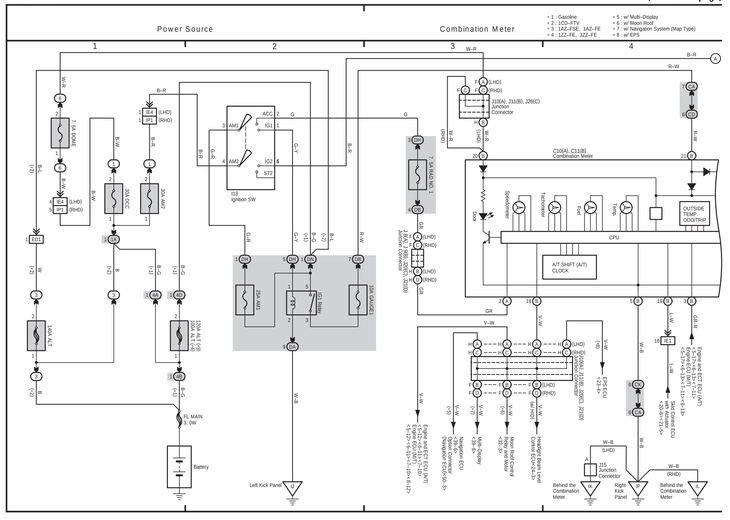

Navigation System (Map Type)
5
6
7
8
M 1(A), M 2(B), M 3(C) Multi–Display
SGD1
RE1
GTX+
GTX–
PKB
SPD
TC
TX3+
TX3–
VG
SYNC
B
G
R
VR
CTX–
CTX+
GND1
GND2
Radio and Player <41–4>
Parking Brake SW <20–5>, 21–4>
Combination Meter <42–3>
DLC3 <5–13><6–15> <7–14><9–13>
Combination Meter <42–5>
Shielded
N 3(A), N 4(B), N 5(C) Navigation ECU
SGND
TX
ACC
GND
Remote Controller (Navigation)
+B
MACC
MIC+
MIC–
AUO+
AUO–
AUI+
AUI–
SNSE
TX–
TX+
J17 Junction Connector
Vehicle Speed Signal <42–3>
Back–Up Light SW (M/T) <18–3>
Tweeter LH (LHD) <41–4> Tweeter RH (RHD) <42–3>
Radio and Player <41–3><41–4>
T11 Telephone Microphone Amplifier
Right Kick Panel
Behind the Combination Meter
J15 Junction Connector

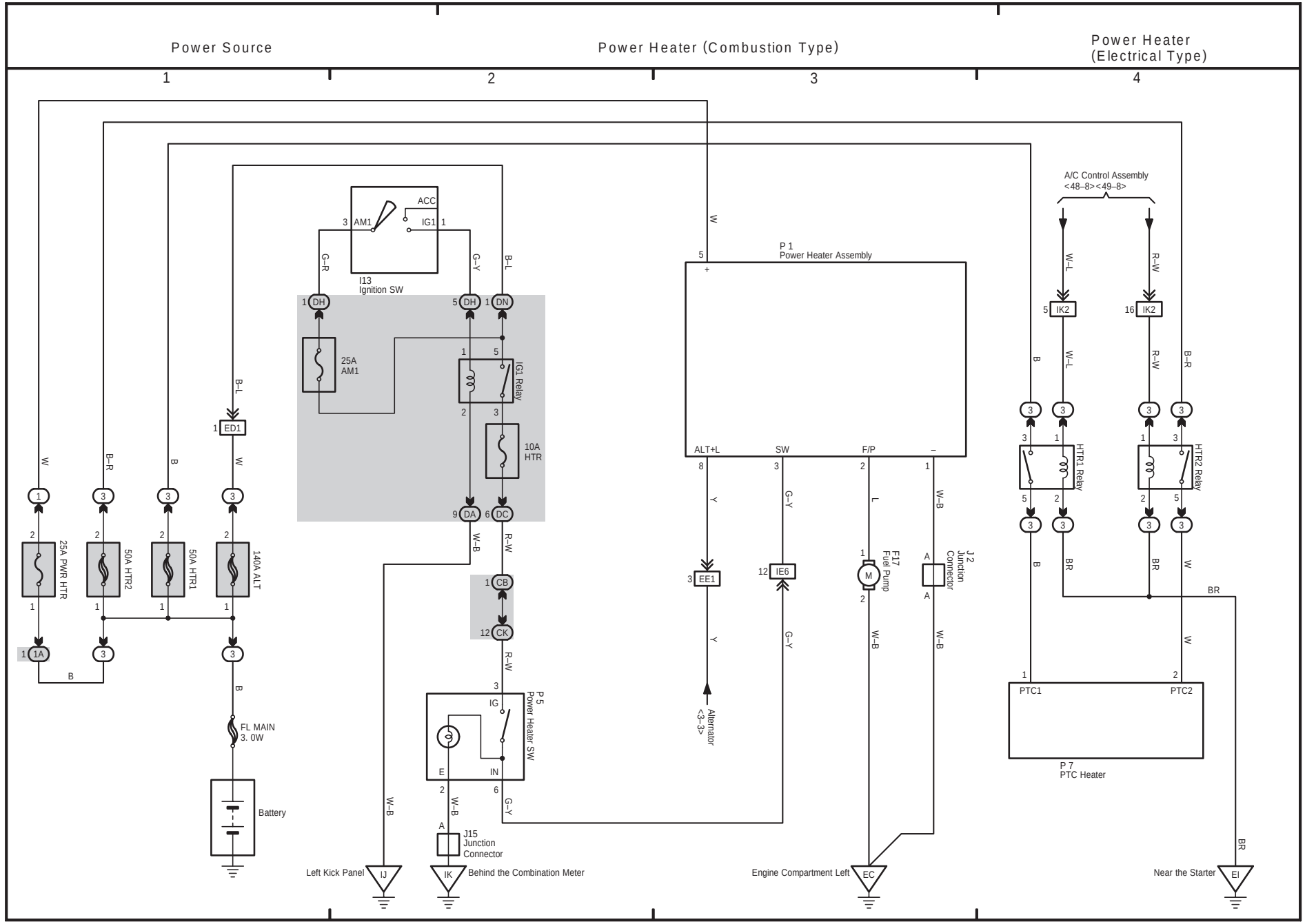

Power Source
Multi–Display (w/o Navigation System Map Type)
1
2
3
4
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
B–W
IE4 (LHD)
IP1 (RHD)
ED1
30A DCC
1A
140A ALT
120A ALT (*3)
100A ALT (*4)
4A
4D
4B
FL MAIN 3. 0W
Battery
I13 Ignition SW
ACC
IG1
AM1
25A AM1
IG1 Relay
7. 5A RAD NO. 1
10A GAUGE1
15A RAD NO. 2
J 8(A), J 9(B), J20(C) Junction Connector
124(A), J25(B) Junction Connector
M 1(A), M 2(B), M 3(C) Multi–Display
IG
GND
TX1–
TX1+
DTX+
DTX–
SG
BRQ
TX3+
TX3–
ST1
GND
+B
ACC
Combination Meter <42–5>
Option Connector (Navigation ECU) <50–2>
C14 Combination SW
DISP
EAU
Radio and Player System<41–2>
J15 Junction Connector
Behind the Combination Meter
Left Kick Panel
Right Kick Panel
IJ
IK
IP


Power Source
Radio and Player
1
2
3
4
R16
Rear Door Speaker RH
R15
Rear Door Speaker LH
T19
Tweeter Rear RH
T18
Tweeter Rear LH
(+)OUT
(–)OUT
(+)IN
(–)IN
∗1 : Gasoline
∗2 : 1CD–FTV
∗3 : w/ Navigation System (Map Type)
∗4 : RHD, LHD w/o Multi–Display
∗5 : LHD, RHD w/o Multi–Display
∗6 : LHD w/ Multi–Display
∗7 : RHD w/ Multi–Display
∗8 : w/ Steering SW
∗9 : w/ Multi–Display
w/o Navigation System (Map Type)
∗10 : RHD 1CD–FTV w/o Multi–Display
∗11 : RHD Except 1CD–FTV w/o Multi–Display
Multi–Display
<39–6>
I13
Ignition SW
ACC
IG1
AM1
J24
Junction Connector
7.5A RAD NO. 1
15A RAD NO. 2
25A AM1
J8(A), J20(B)
Junction Connector
(LHD)
(RHD)
ACC
+B
RR+
RR–
RL+
RL–
TX+
TX–
R 4(A), R 5(B), R 6(C), R 7(D)
Radio and Player
ANT+
SW1
SW2
GND
FR+
FR–
FL+
FL–
A31
Antenna
Amplifier
C14
Combination SW
AU1
AU2
EAU
Navigation ECU<39–7>
Option Connector
(Navigation ECU)<50–4>
T17
Tweeter
Front RH
T16
Tweeter
Front LH
F22
Front Door
Speaker RH
F21
Front Door
Speaker LH
Instrument Panel
Reinforcement Center
IN
BR(LHD)
W–B(RHD)
140A ALT
30A DCC
120A ALT
(1AZ–FSE, 1AZ–FE)
100A ALT
(1ZZ–FE, 3ZZ–FE)
FL MAIN
3. 0W
Battery

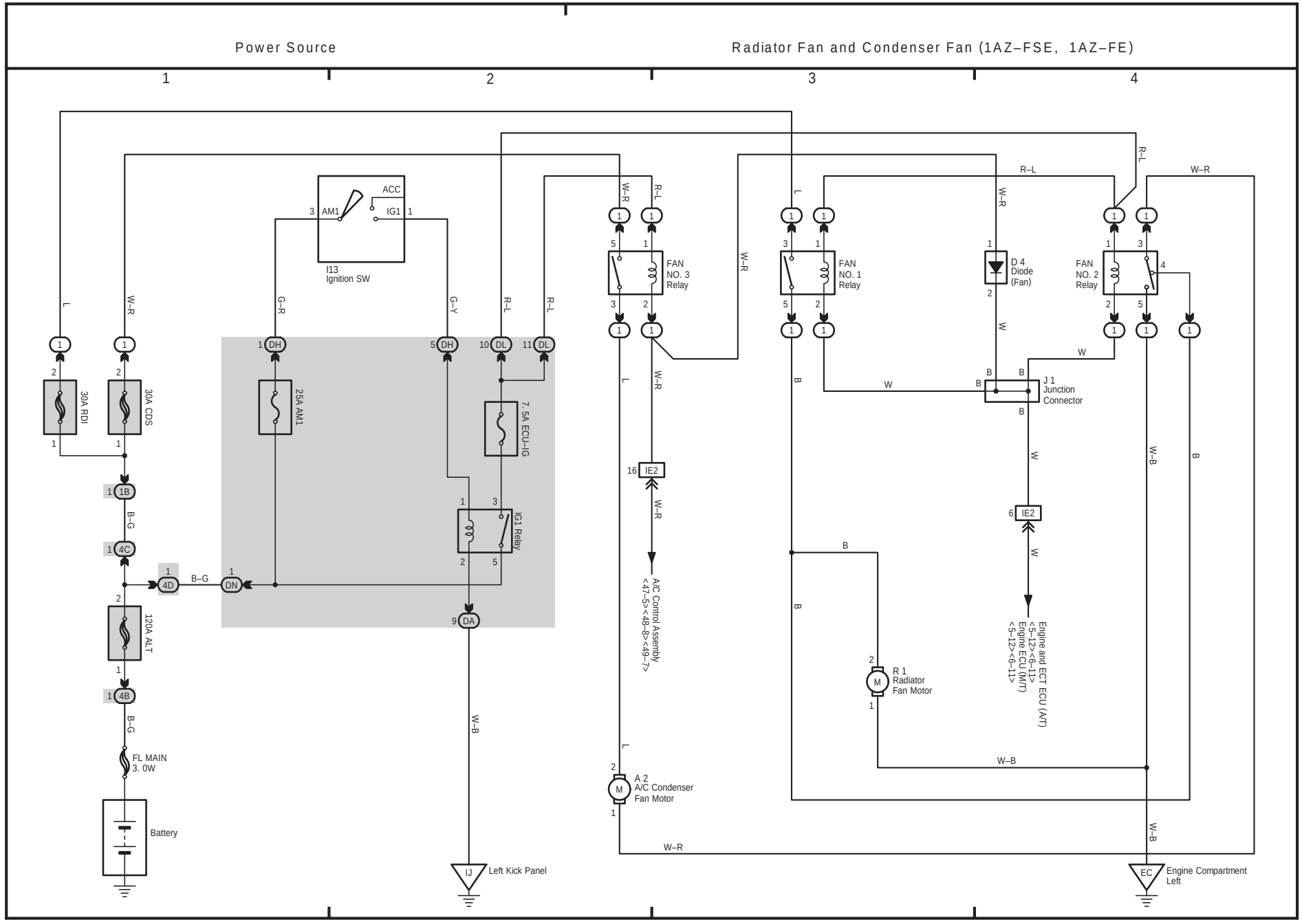


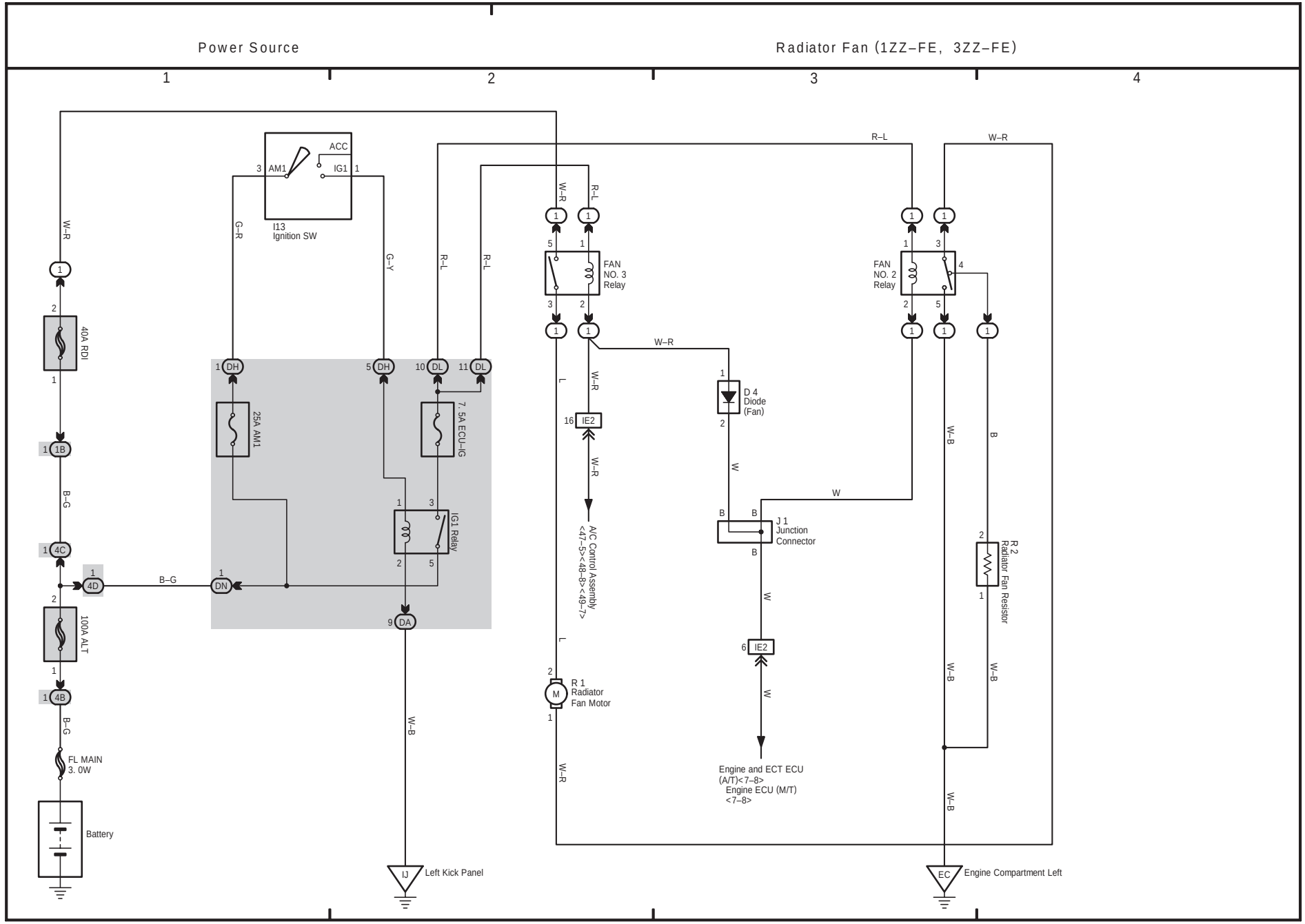


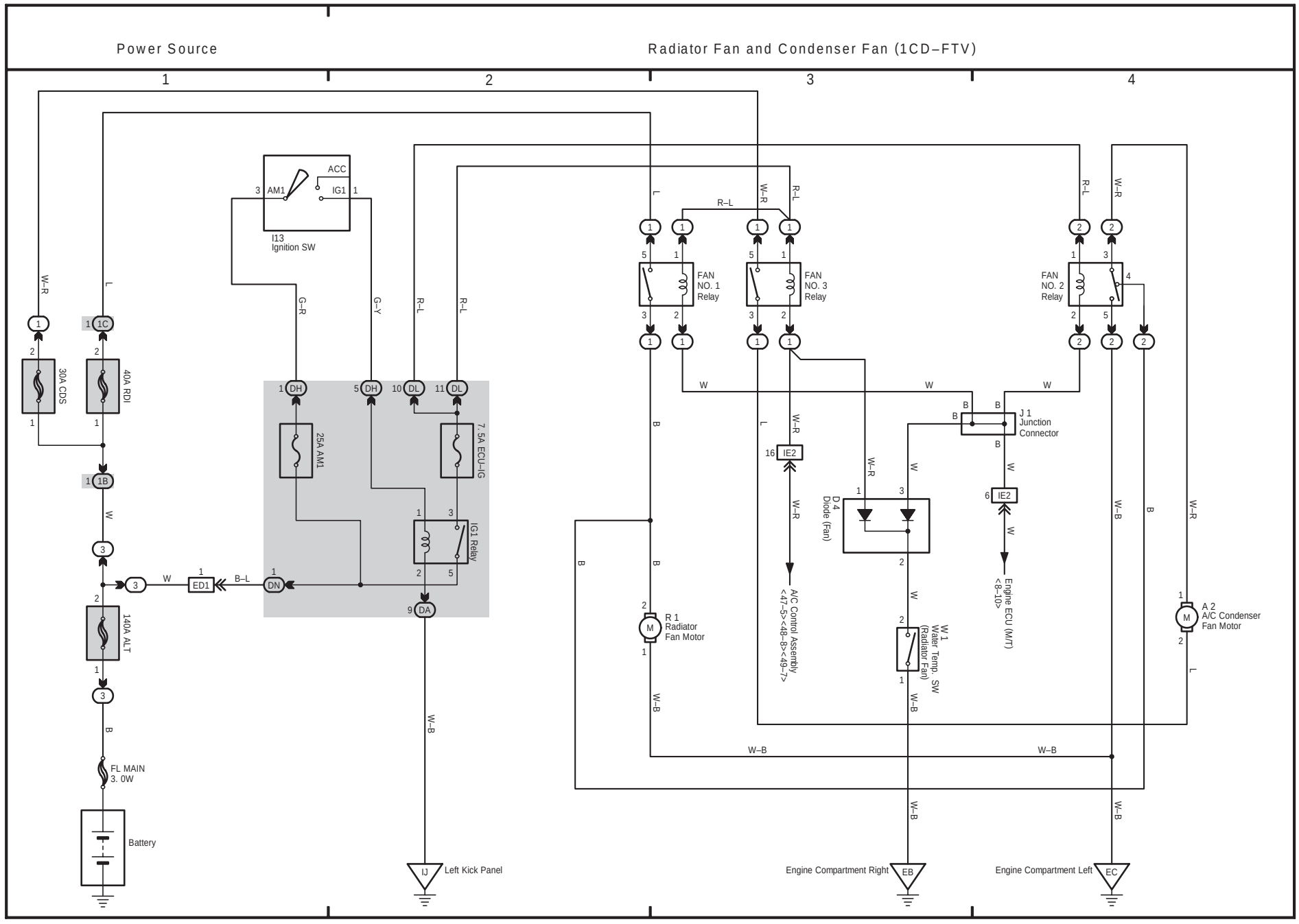

Power Source
Combination Meter
* 1 : Gasoline
* 2 : 1CD-FTV
* 3 : 1AZ-FSE, 1AZ-FE
* 4 : 1ZZ-FE, 3ZZ-FE
* 5 : w/ Multi-Display
* 6 : w/ Moon Roof
* 7 : w/ Navigation System (Map Type)
* 8 : w/ EPS
ACC
IG1
IG2
ST2
Ignition SW
7.5A ECU-B NO.1
10A ECU-B NO.2
10A A/C NO.2
30A ELP DOOR
30A ELP
SW DOOR
SW UP
SW DOWN
Power Window Regulator Motor
Power Window Regulator Motor
Power Window Regulator Motor


Power Source
Power Heater (Combustion Type)
Power Heater (Electrical Type)
1
2
3
4
ACC
IG1
AM1
I13
Ignition SW
G–R
G–Y
B–L
DH
DN
25A AM1
IG1 Relay
10A HTR
ED1
DA
DC
W–B
R–W
CB
CK
P 5
Power Heater SW
IG
E
IN
J15 Junction Connector
Left Kick Panel
IJ
IK
Behind the Combination Meter
W
P 1
Power Heater Assembly
ALT+L
SW
F/P
–
Y
G–Y
L
W–B
EE1
IE6
F17
Fuel Pump
J2 Junction Connector
Alternator <3–3>
Engine Compartment Left
EC
A/C Control Assembly <48–8> <49–8>
W–L
R–W
B–R
IK2
HTR1 Relay
HTR2 Relay
B
BR
W
PTC1
PTC2
P 7
PTC Heater
Near the Starter
EI
W
B–R
B
B–L
25A PWR HTR
50A HTR2
50A HTR1
140A ALT
1A
FL MAIN
3. 0W
Battery

44 AVENSIS


Power Source
Radiator Fan and Condenser Fan (1AZ–FSE, 1AZ–FE)
1
2
3
4
ACC
AM1
IG1
I13
Ignition SW
FAN NO. 3 Relay
FAN NO. 1 Relay
FAN NO. 2 Relay
D 4
Diode (Fan)
J 1
Junction Connector
30A RDI
30A CDS
25A AM1
7. 5A ECU–IG
IG1 Relay
120A ALT
FL MAIN
3. 0W
Battery
IE2
A/C Control Assembly
<47–5><48–8><49–7>
A 2
A/C Condenser Fan Motor
R 1
Radiator Fan Motor
Engine and ECT ECU (A/T)
<5–12><6–11>
Engine ECU (M/T)
<5–12><6–11>
IJ
Left Kick Panel
EC
Engine Compartment Left
L
W–R
R–L
G–R
G–Y
B–G
W–B
W
B


Power Source
Radiator Fan (1ZZ–FE, 3ZZ–FE)
1
2
3
4
ACC
AM1
IG1
I13
Ignition SW
W–R
G–R
G–Y
R–L
R–L
W–R
R–L
W–R
FAN
NO. 3
Relay
FAN
NO. 2
Relay
40A RDI
25A AM1
7. 5A ECU–IG
IG1 Relay
B–G
B–G
W–R
W–R
W–R
D 4
Diode
(Fan)
W
W
W
J 1
Junction
Connector
A/C Control Assembly
<47–5><48–8><49–7>
IE2
IE2
W–B
W–B
W–B
B
R 2
Radiator Fan Resistor
100A ALT
R 1
Radiator
Fan Motor
FL MAIN
3. 0W
Battery
Engine and ECT ECU
(A/T)<7–8>
Engine ECU (M/T)
<7–8>
Left Kick Panel
Engine Compartment Left


Power Source
Radiator Fan and Condenser Fan (1CD–FTV)
1
2
3
4
ACC
AM1
IG1
I13
Ignition SW
30A CDS
40A RDI
140A ALT
FL MAIN
3. 0W
Battery
25A AM1
7. 5A ECU–IG
IG1 Relay
ED1
DN
DH
DL
DA
FAN
NO. 1
Relay
FAN
NO. 3
Relay
FAN
NO. 2
Relay
J 1
Junction
Connector
D 4
Diode (Fan)
IE2
R 1
Radiator
Fan Motor
A/C Control Assembly
<47–5><48–8><49–7>
W 1
Water Temp. SW
(Radiator Fan)
Engine ECU (M/T)
<8–10>
A 2
A/C Condenser
Fan Motor
Left Kick Panel
IJ
Engine Compartment Right
EB
Engine Compartment Left
EC

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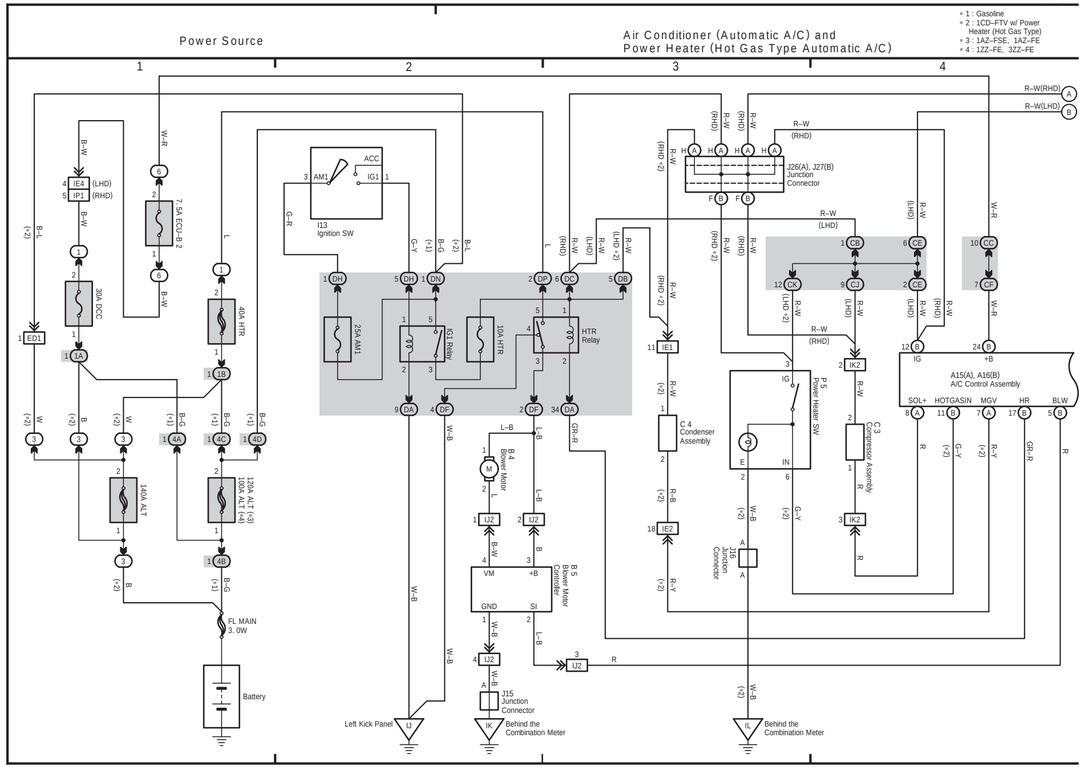

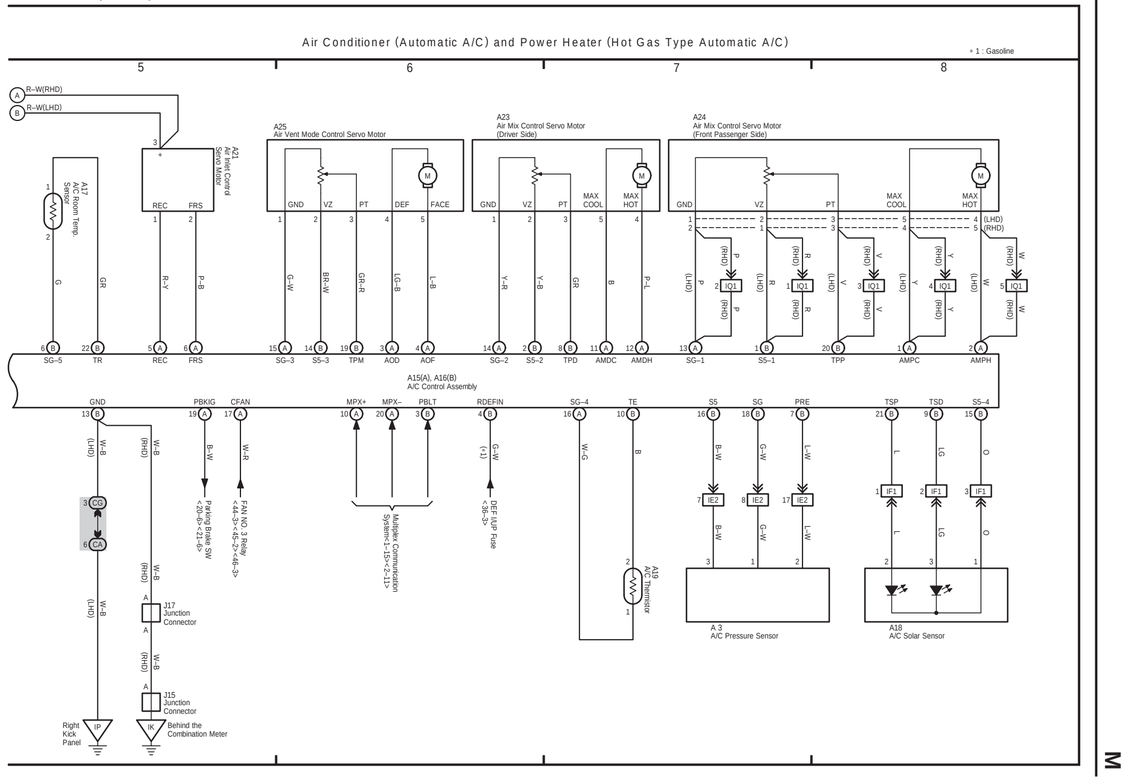

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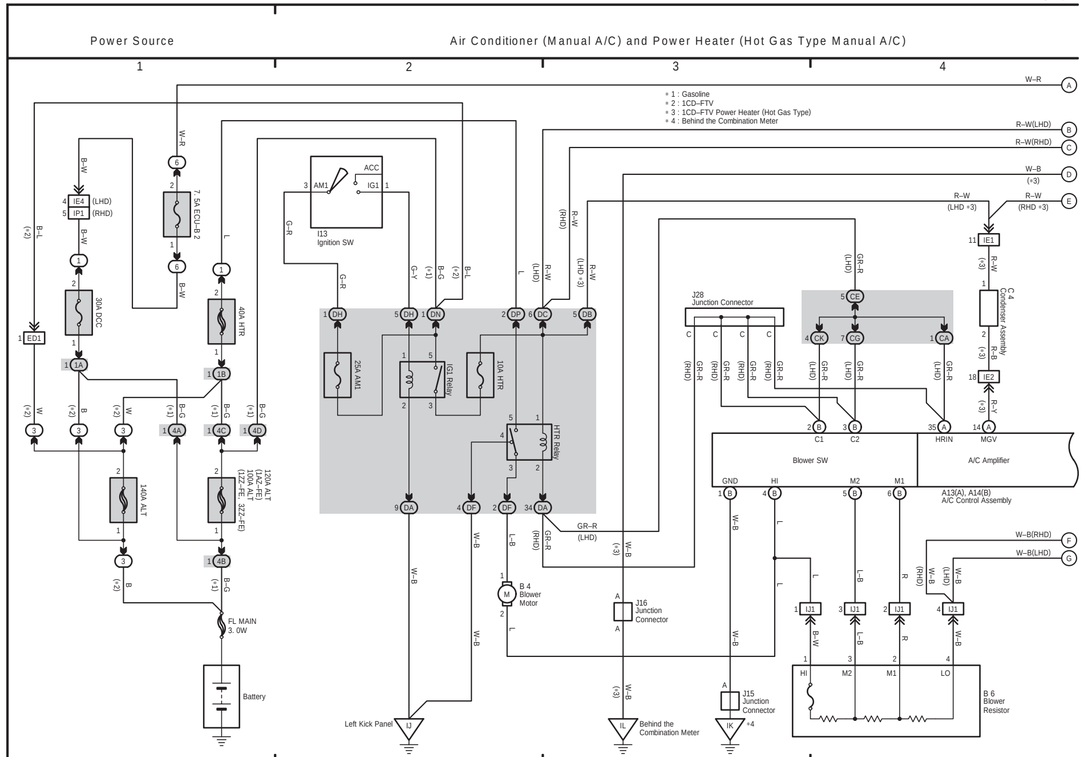

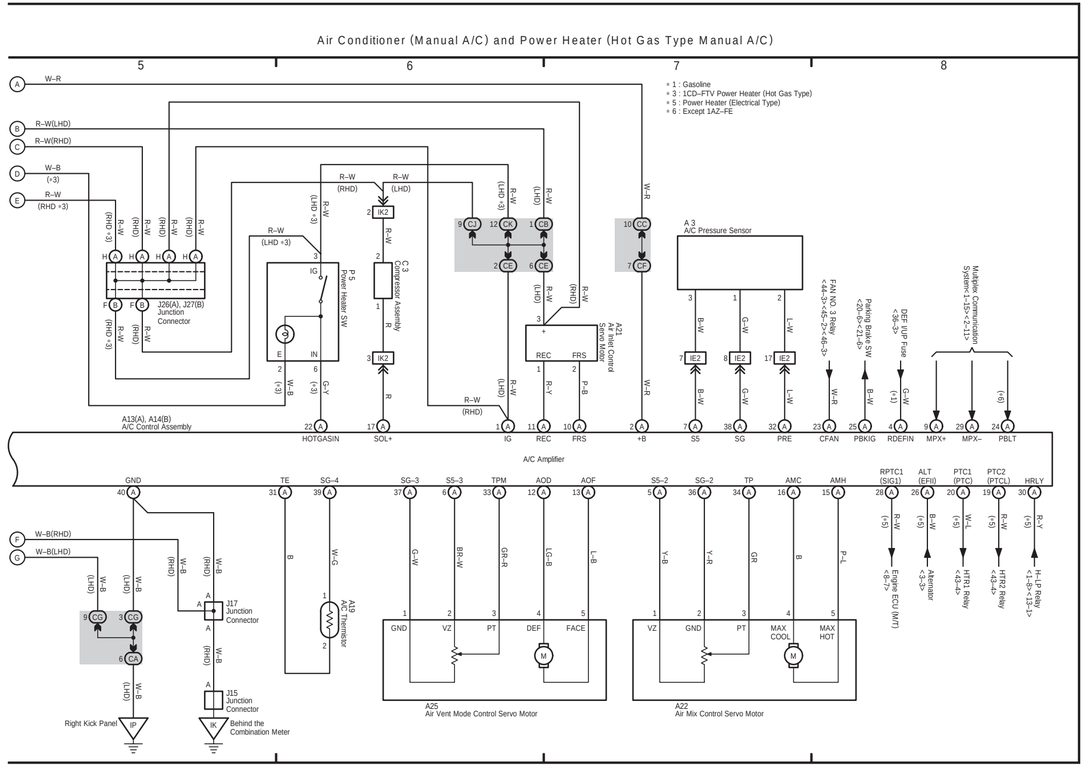

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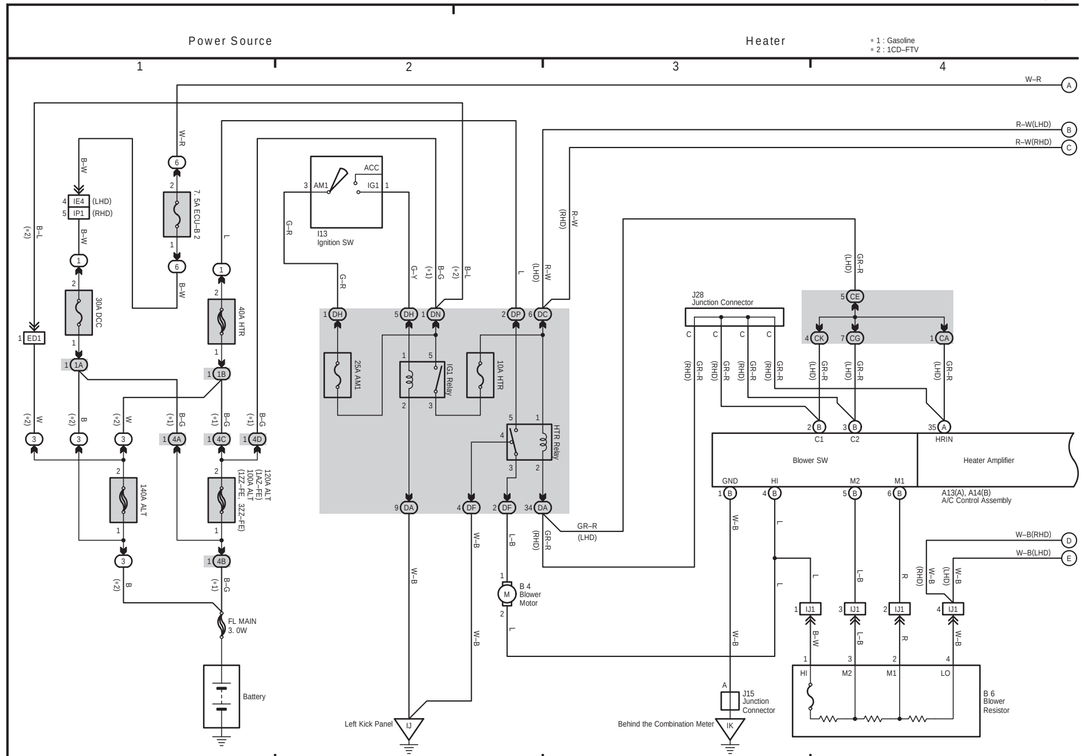
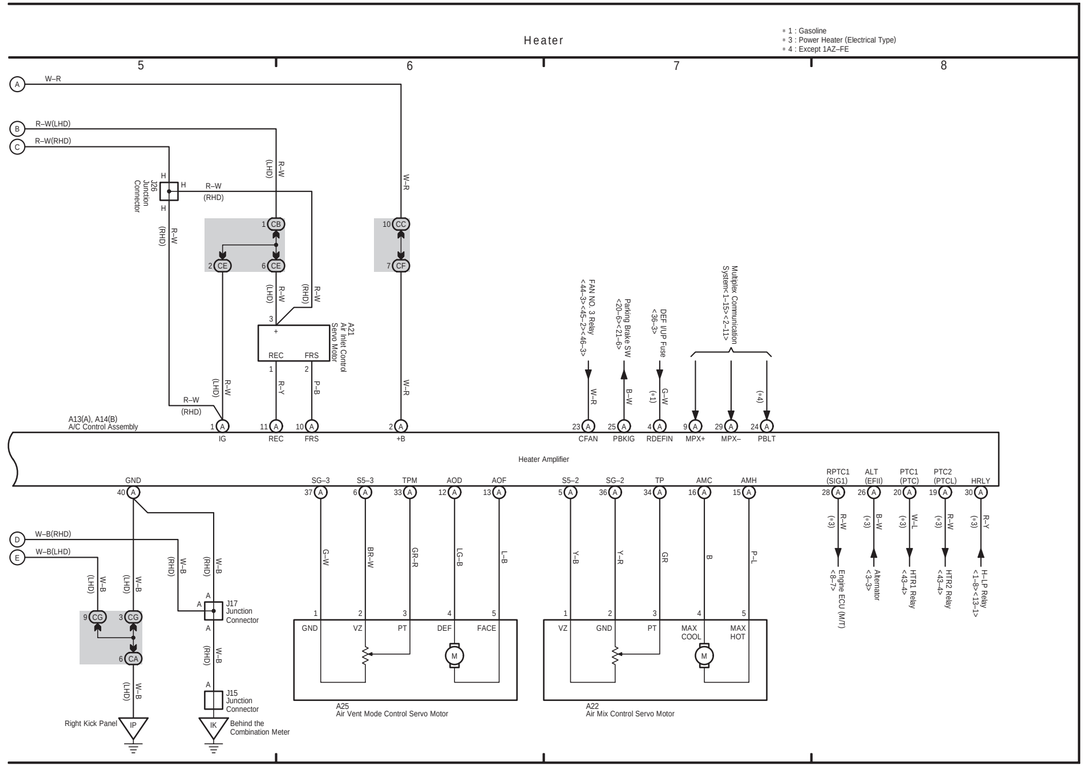
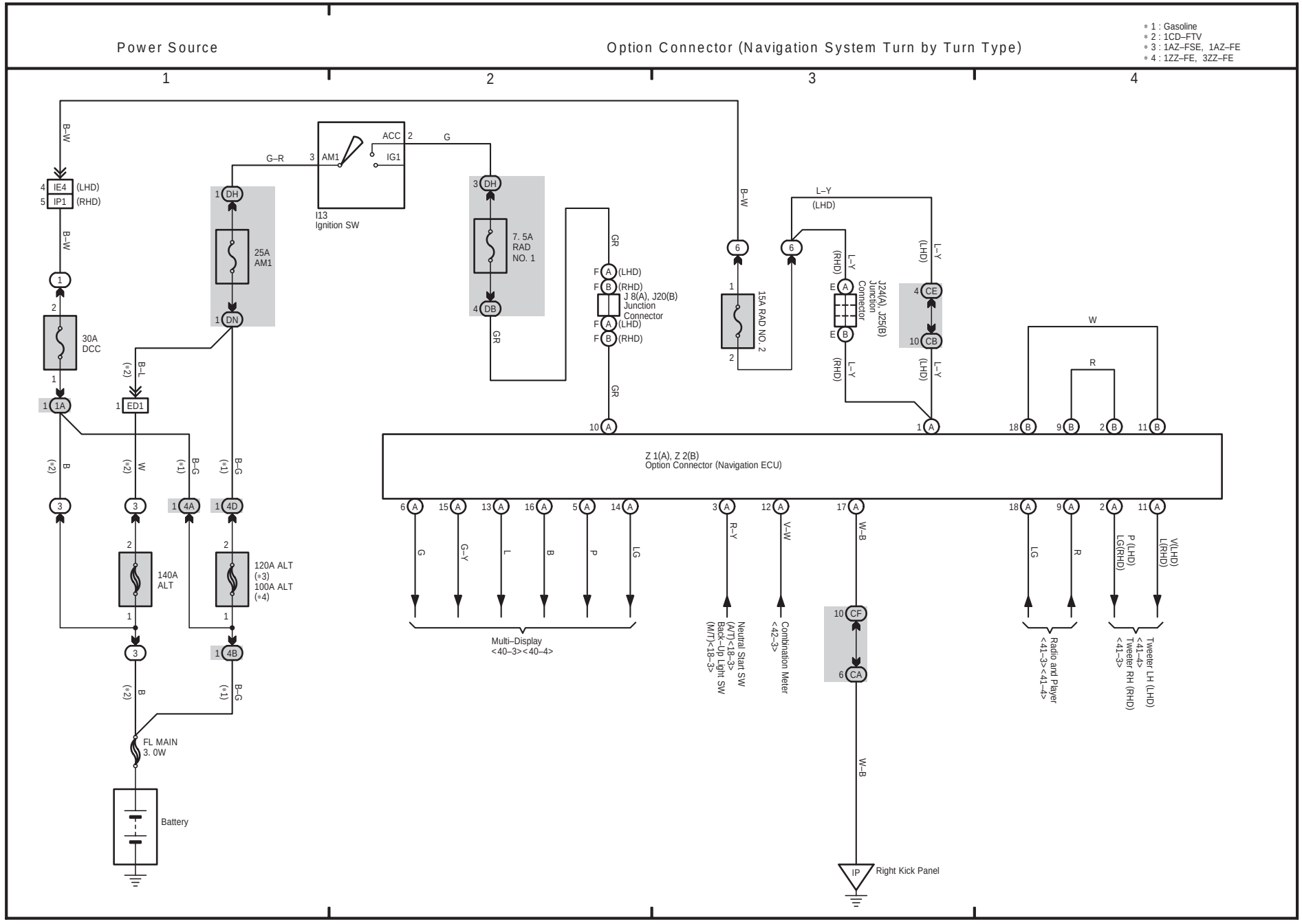
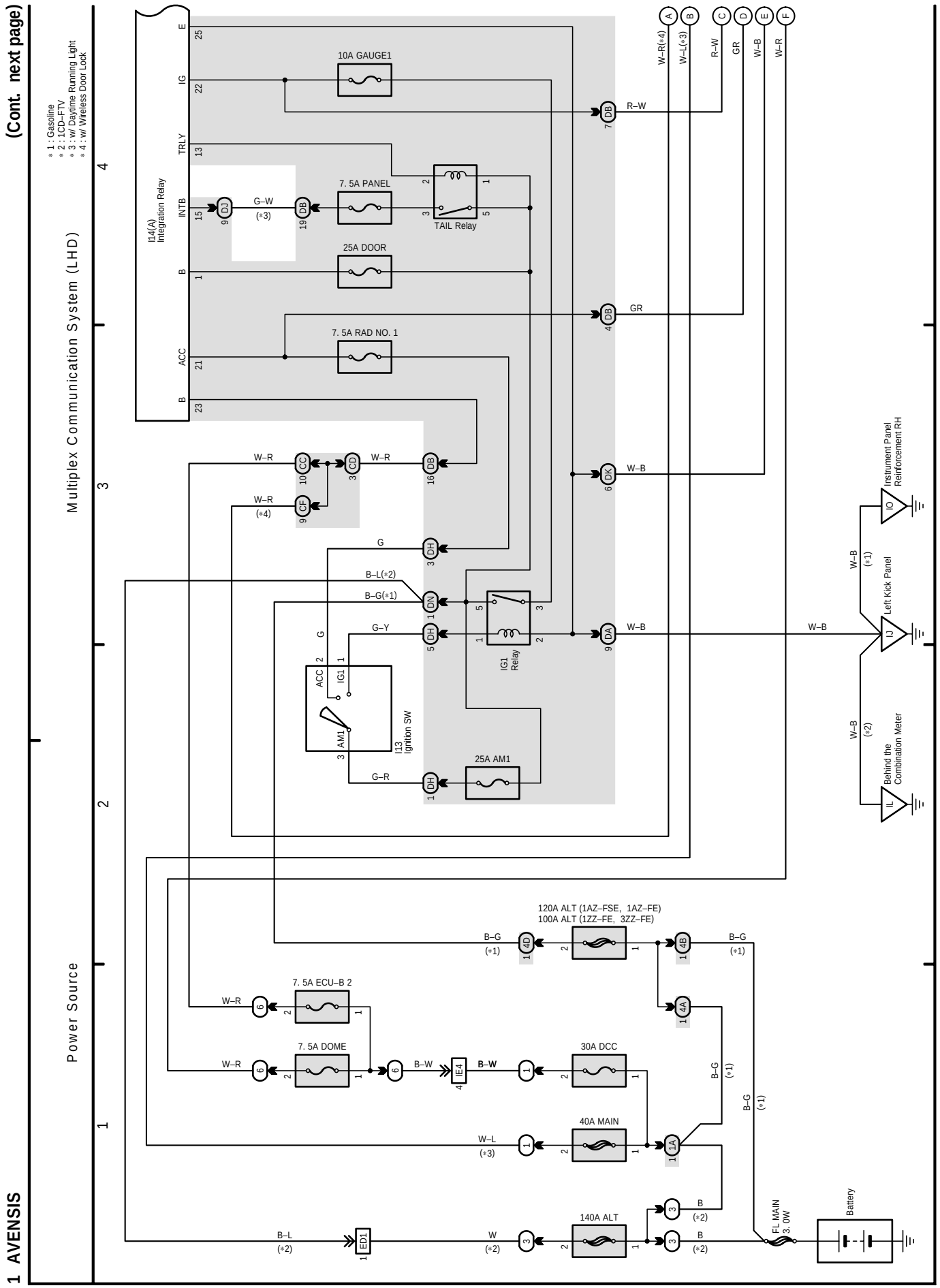
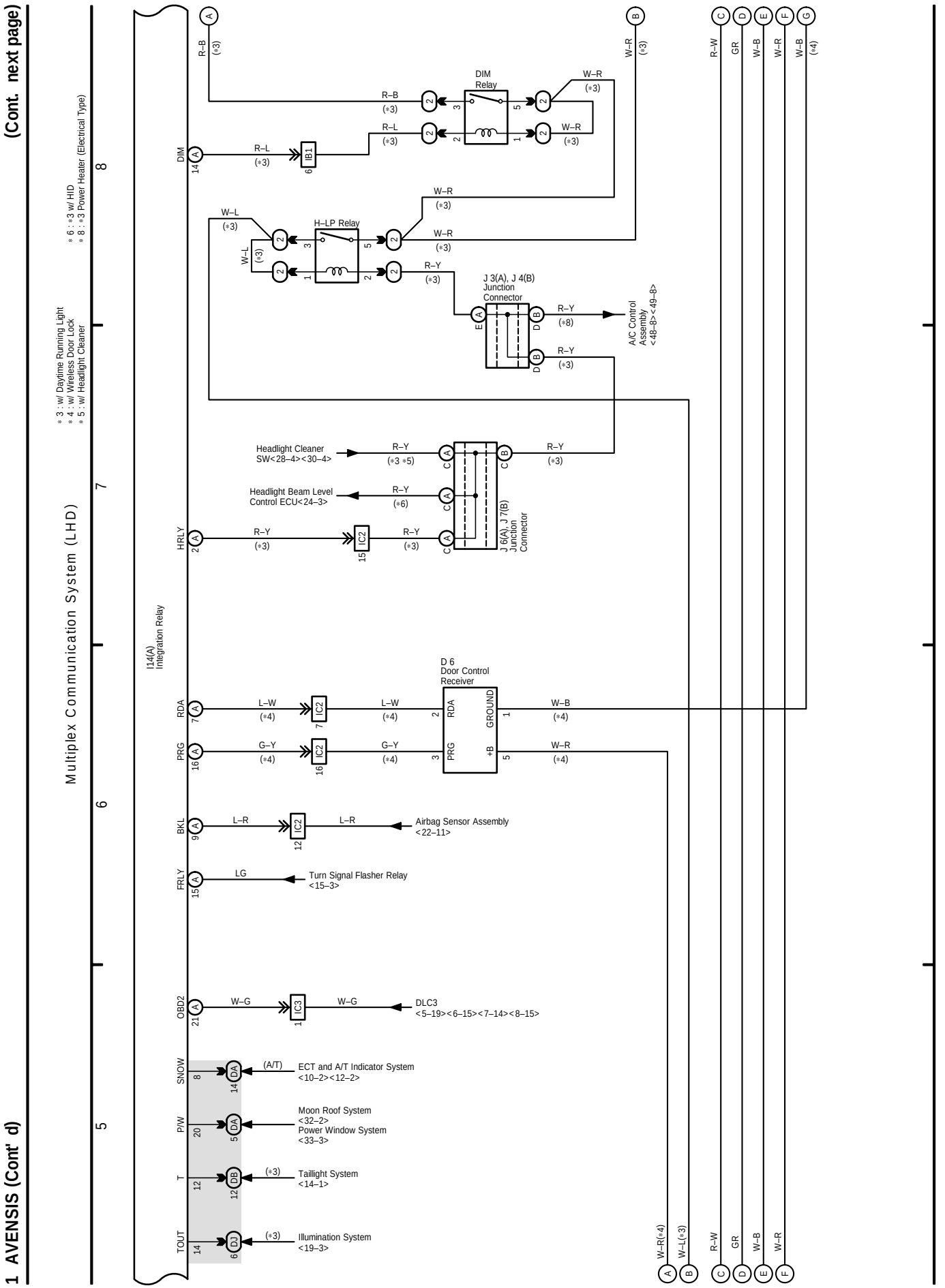
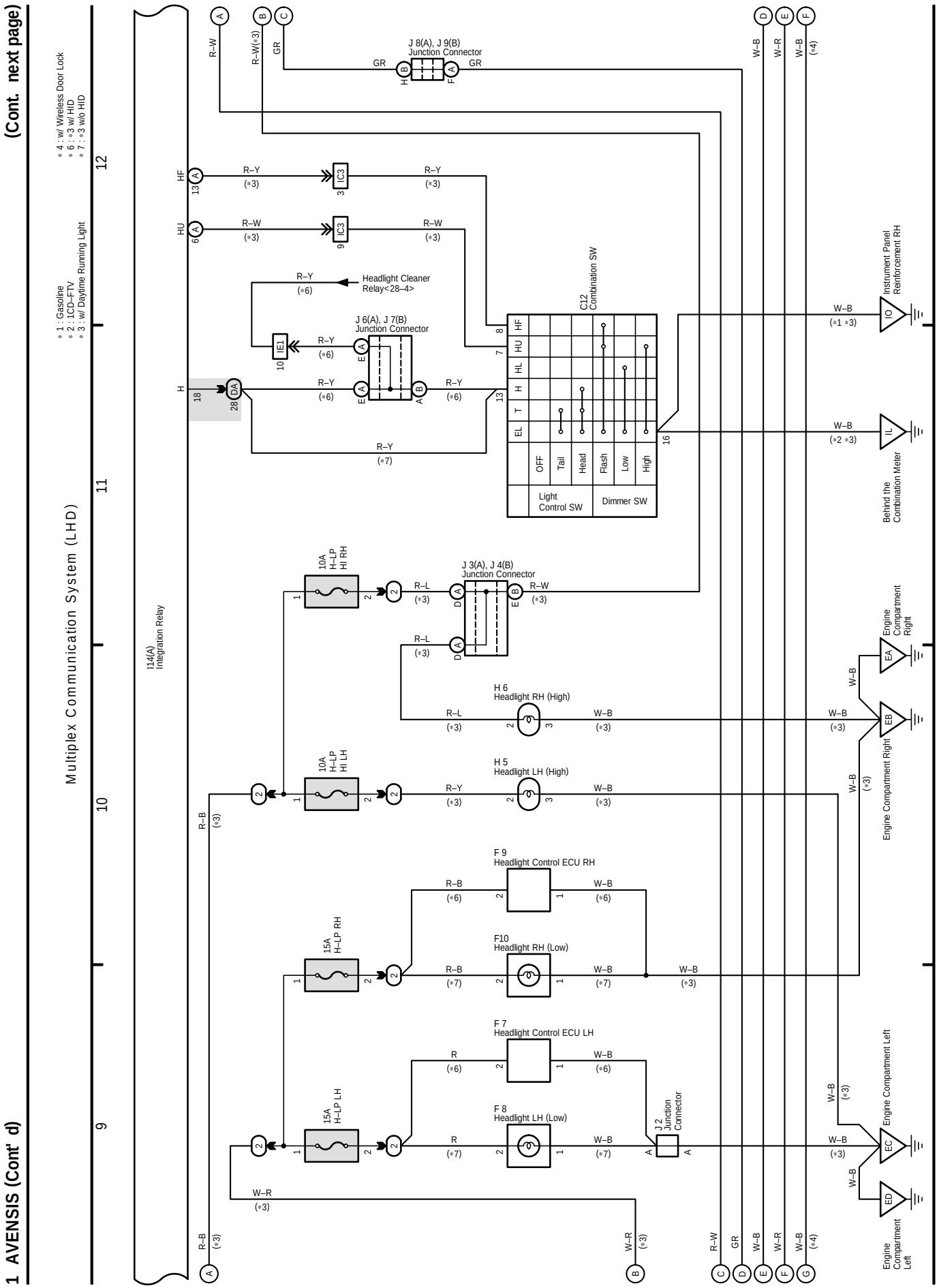


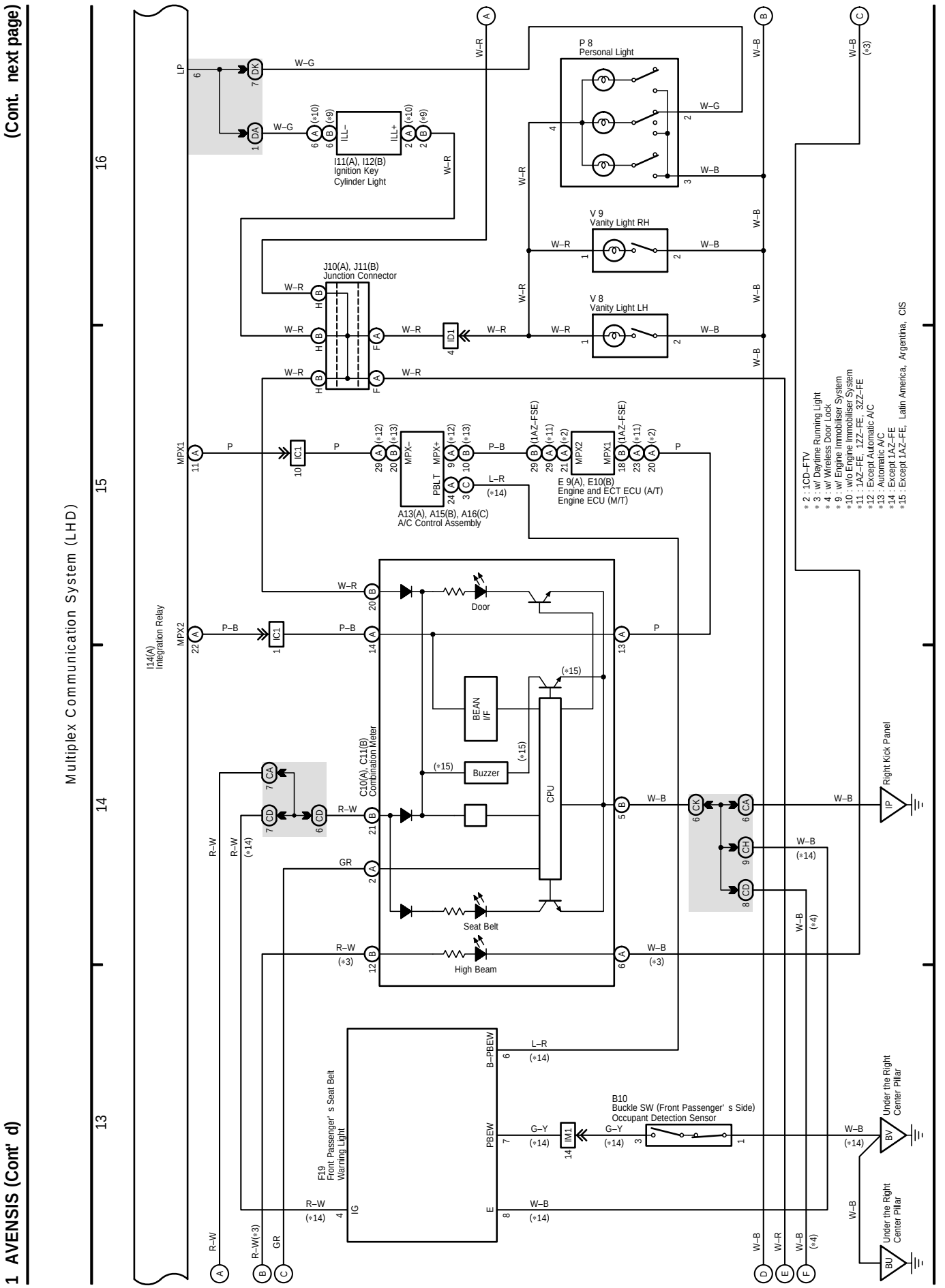


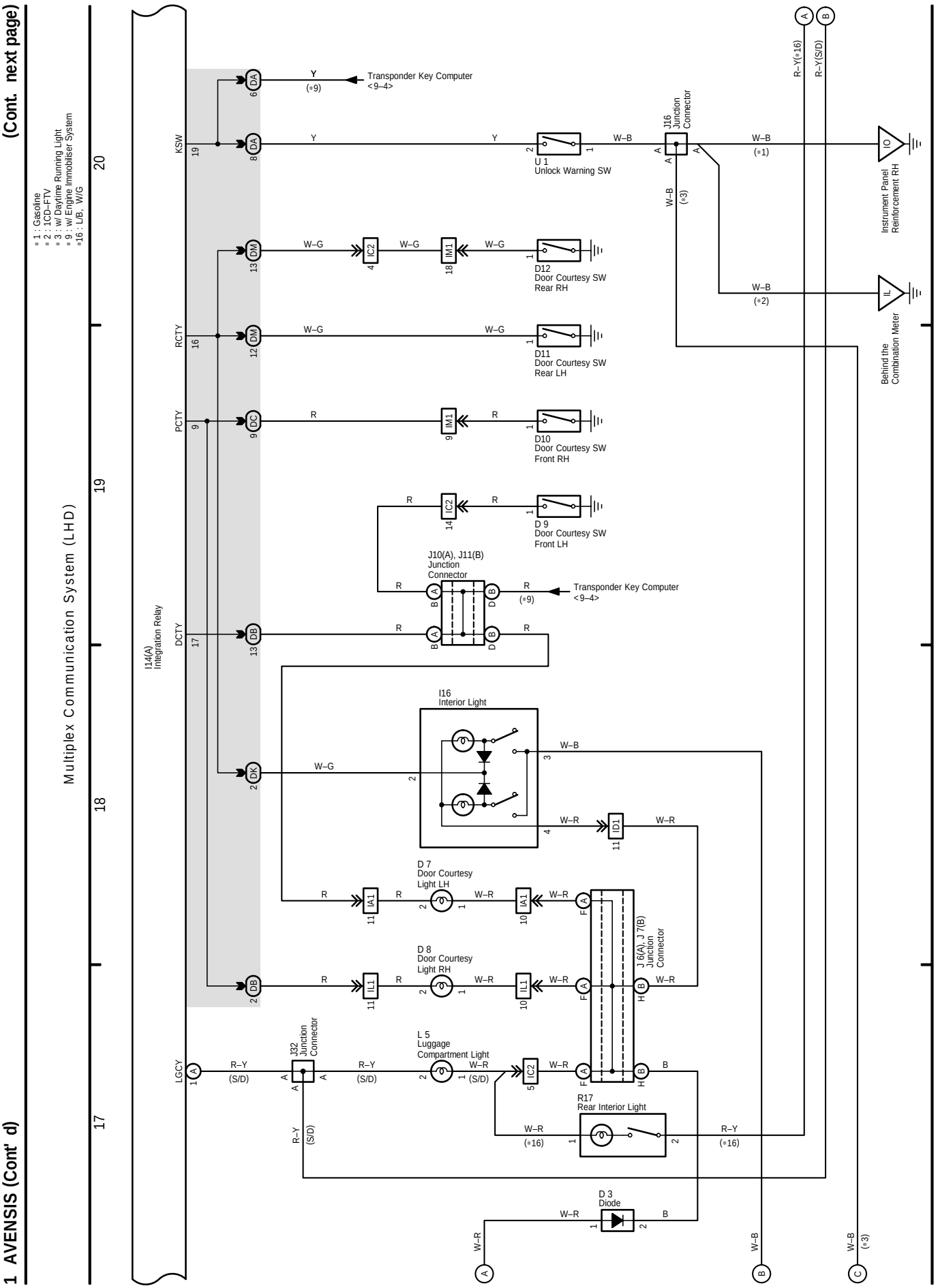

Power Source
Option Connector (Navigation System Turn by Turn Type)
1
2
3
4
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
B–W
IE4 (LHD)
IP1 (RHD)
I13
Ignition SW
ACC
IG1
AM1
G–R
G
25A AM1
7. 5A RAD NO. 1
30A DCC
B–L
(*2)
ED1
1A
B
W
B–G
(*1)
4A
4D
4B
140A ALT
120A ALT (*3)
100A ALT (*4)
FL MAIN 3. 0W
Battery
GR
J 8(A), J20(B) Junction Connector
(LHD)
(RHD)
15A RAD NO. 2
L–Y
124(A), J25(B) Junction Connector
CE
CB
CF
CA
Z 1(A), Z 2(B)
Option Connector (Navigation ECU)
Multi–Display
<40–3><40–4>
G
G–Y
L
B
P
LG
R–Y
V–W
W–B
Neutral Start SW (A/T)<18–3>
Back–Up Light SW (M/T)<18–3>
Combination Meter
<42–3>
W
R
LG
R
P (LHD)
LG(RHD)
V(LHD)
L(RHD)
Radio and Player
<41–3><41–4>
Tweeter RH (RHD)
<41–3>
Tweeter LH (LHD)
<41–4>
IP
Right Kick Panel


(Cont. next page)
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : w/ Daytime Running Light
* 4 : w/ Wireless Door Lock
Multiplex Communication System (LHD)
Power Source
1 AVENSIS
I14(A) Integration Relay
10A GAUGE1
7. 5A PANEL
TAIL Relay
25A DOOR
7. 5A RAD NO. 1
I13 Ignition SW
IG1 Relay
25A AM1
7. 5A ECU–B 2
7. 5A DOME
30A DCC
40A MAIN
140A ALT
120A ALT (1AZ–FSE, 1AZ–FE)
100A ALT (1ZZ–FE, 3ZZ–FE)
Battery
FL MAIN 3. 0W
Instrument Panel Reinforcement RH
Left Kick Panel
Behind the Combination Meter
R–W
GR
W–B
W–R
G–W
G–Y
G–R
B–L
B–G
B–W
W–L
W
B
W–R(*4)
W–L(*3)
B–L(*2)
B–G(*1)
W–R(*4)
W–B(*1)
W–B(*2)

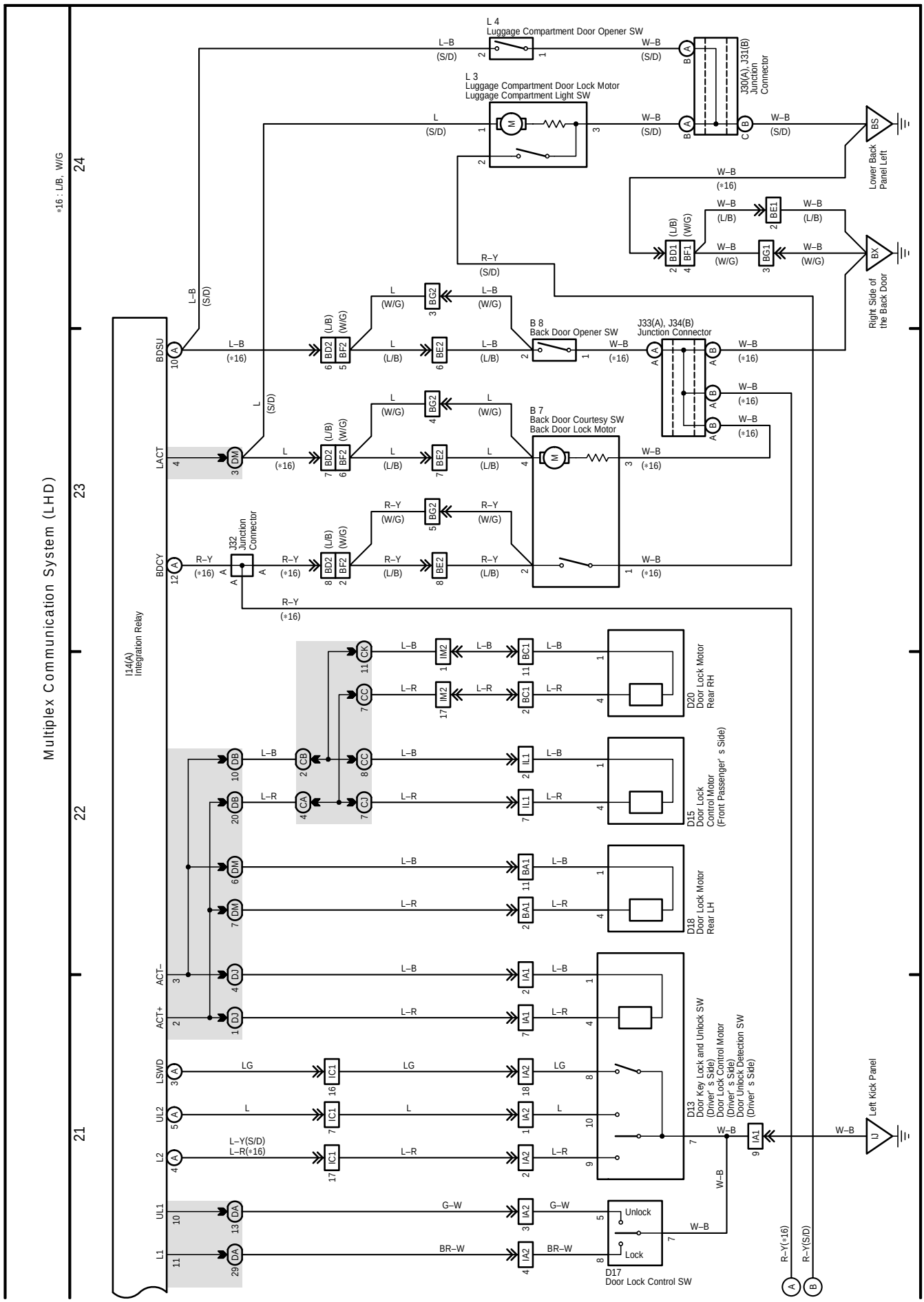

1 AVENSIS (Cont' d)
(Cont. next page)
Multiplex Communication System (LHD)
* 3 : w/ Daytime Running Light
* 4 : w/ Wireless Door Lock
* 5 : w/ Headlight Cleaner
* 6 : *3 w/ HID
* 8 : *3 Power Heater (Electrical Type)
I14(A) Integration Relay
DIM Relay
H–LP Relay
J 3(A), J 4(B) Junction Connector
A/C Control Assembly <48–8><49–8>
Headlight Cleaner SW<28–4><30–4>
Headlight Beam Level Control ECU<24–3>
J 6(A), J 7(B) Junction Connector
D 6 Door Control Receiver
Airbag Sensor Assembly <22–11>
Turn Signal Flasher Relay <15–3>
DLC3 <5–19><6–15><7–14><8–15>
ECT and A/T Indicator System <10–2><12–2>
Moon Roof System <32–2>
Power Window System <33–3>
Taillight System <14–1>
Illumination System <19–3>

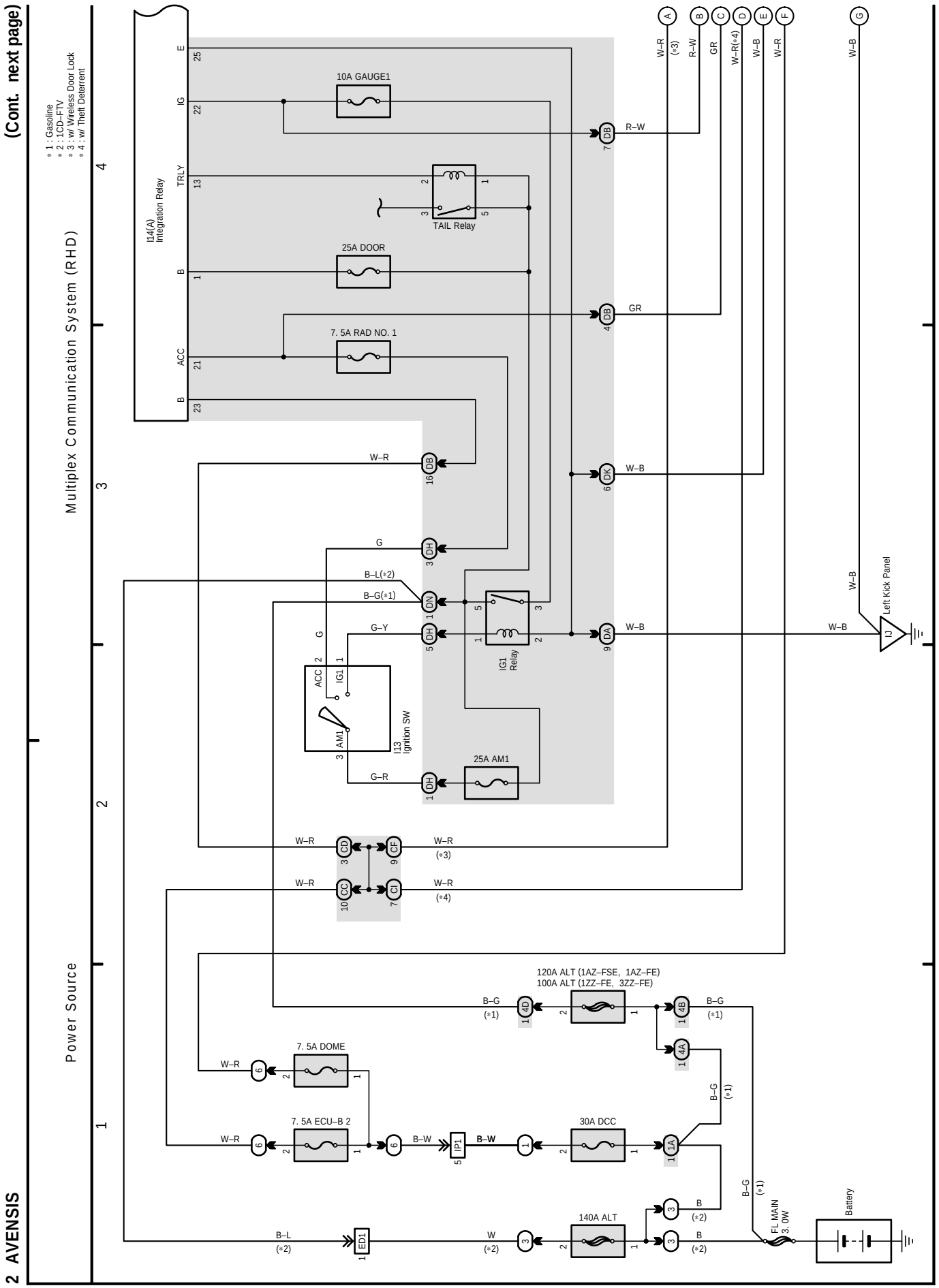

(Cont. next page)
1 AVENSIS (Cont' d)
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : w/ Daytime Running Light
* 4 : w/ Wireless Door Lock
* 6 : *3 w/ HID
* 7 : *3 w/o HID
Multiplex Communication System (LHD)
I14(A) Integration Relay
J 8(A), J 9(B) Junction Connector
J 6(A), J 7(B) Junction Connector
J 3(A), J 4(B) Junction Connector
J 2 Junction Connector
C12 Combination SW
Light Control SW
Dimmer SW
OFF
Tail
Head
Flash
Low
High
Headlight Cleaner Relay<28–4>
IC3
IE1
10A H–LP HI RH
10A H–LP HI LH
15A H–LP RH
15A H–LP LH
H 6 Headlight RH (High)
H 5 Headlight LH (High)
F10 Headlight RH (Low)
F 8 Headlight LH (Low)
F 9 Headlight Control ECU RH
F 7 Headlight Control ECU LH
Instrument Panel Reinforcement RH
Behind the Combination Meter
Engine Compartment Right
Engine Compartment Left
R–Y
R–W
R–L
R–B
W–B
W–R
GR
R
(*1 *3)
(*2 *3)
(*3)
(*4)
(*6)
(*7)

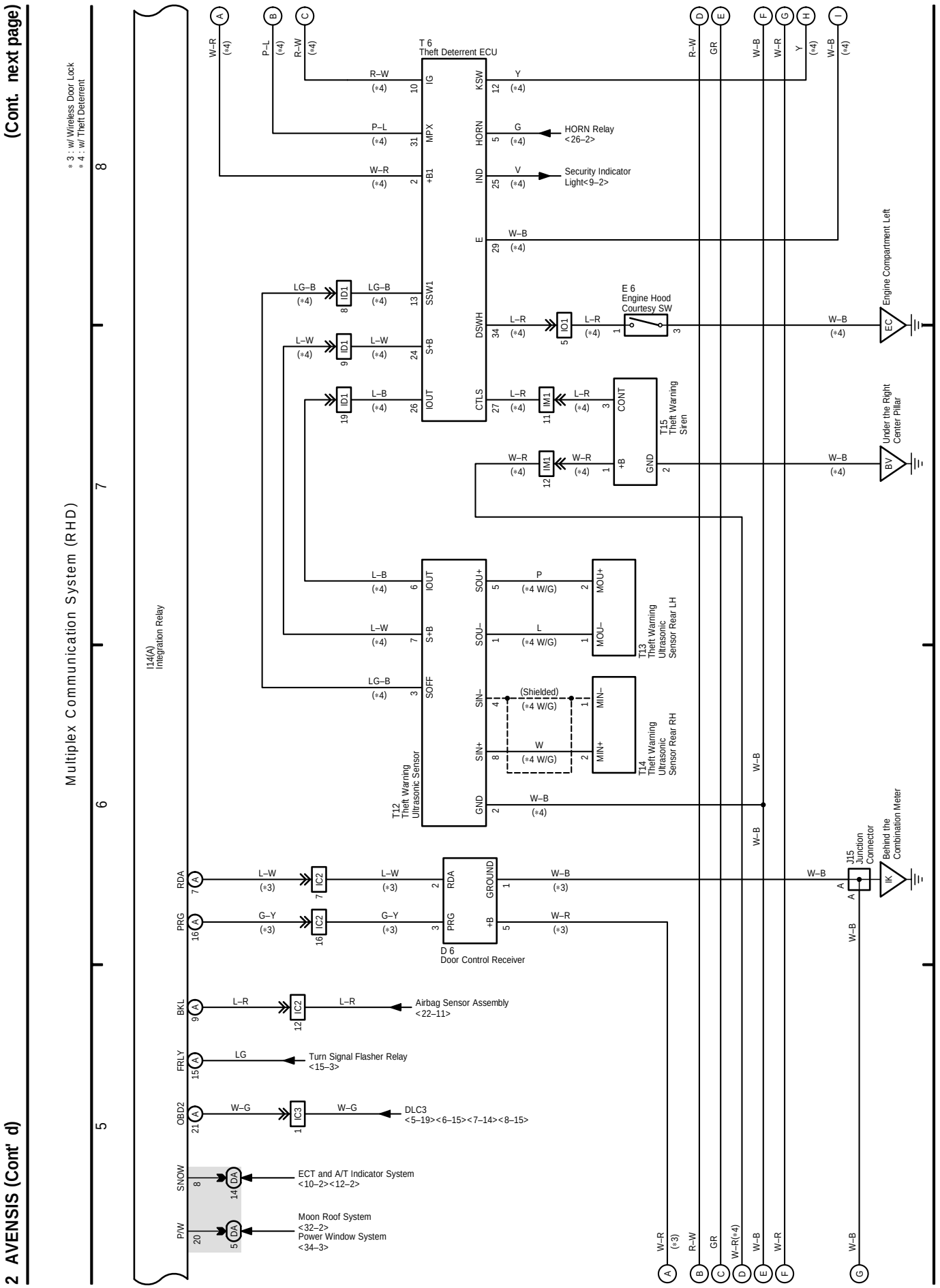

1 AVENSIS (Cont' d)
(Cont. next page)
Multiplex Communication System (LHD)
13
14
15
16
P 8
Personal Light
V 9
Vanity Light RH
V 8
Vanity Light LH
J10(A), J11(B)
Junction Connector
I11(A), I12(B)
Ignition Key
Cylinder Light
A13(A), A15(B), A16(C)
A/C Control Assembly
E 9(A), E10(B)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
I14(A)
Integration Relay
C10(A), C11(B)
Combination Meter
BEAN
I/F
CPU
Door
Buzzer
Seat Belt
High Beam
B10
Buckle SW (Front Passenger' s Side)
Occupant Detection Sensor
F19
Front Passenger' s Seat Belt
Warning Light
Right Kick Panel
Under the Right
Center Pillar
Under the Right
Center Pillar
∗ 2 : 1CD–FTV
∗ 3 : w/ Daytime Running Light
∗ 4 : w/ Wireless Door Lock
∗ 9 : w/ Engine Immobiliser System
∗10 : w/o Engine Immobiliser System
∗11 : 1AZ–FE, 1ZZ–FE, 3ZZ–FE
∗12 : Except Automatic A/C
∗13 : Automatic A/C
∗14 : Except 1AZ–FE
∗15 : Except 1AZ–FE, Latin America, Argentina, CIS

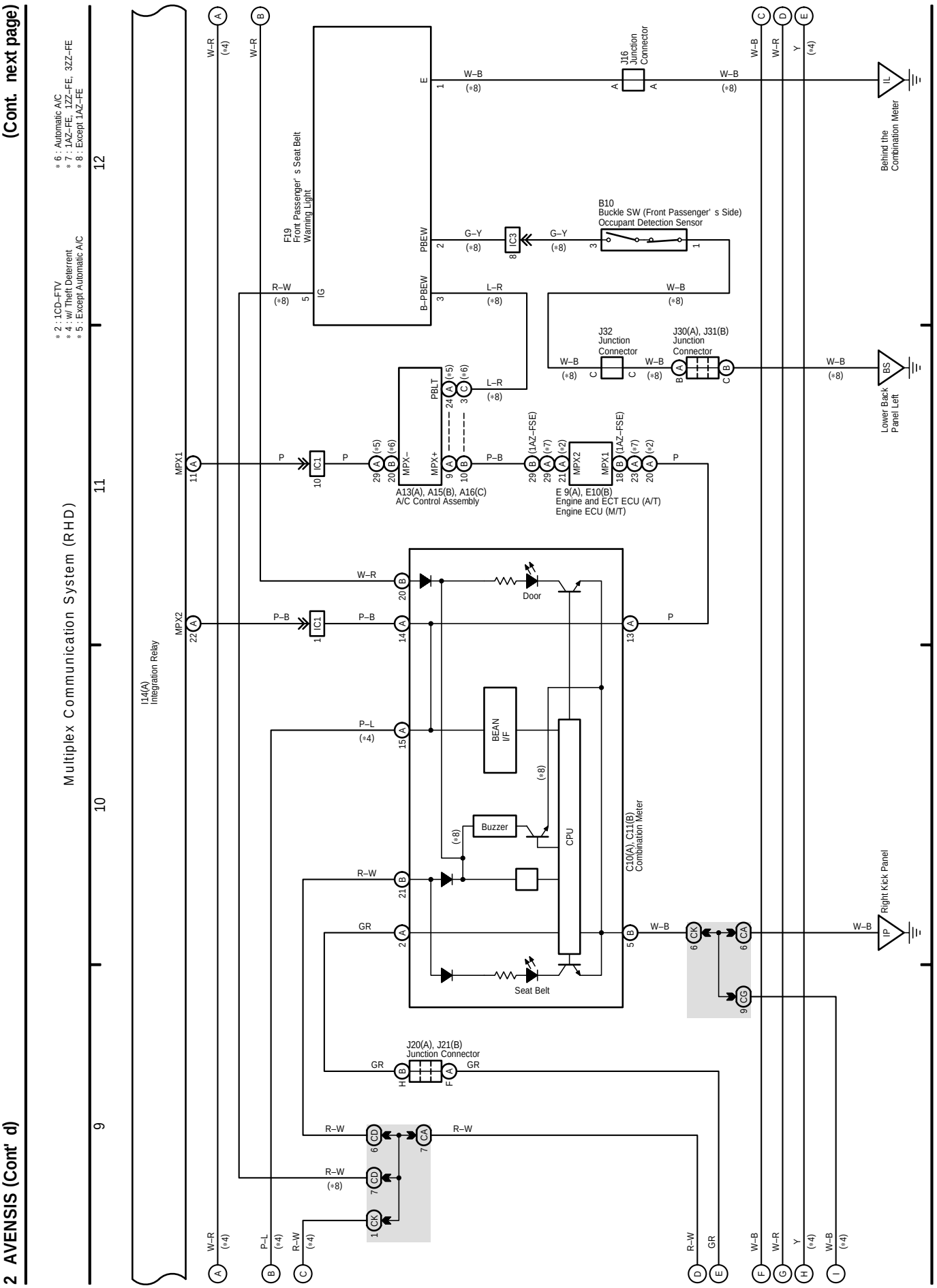

(Cont. next page)
1 AVENSIS (Cont' d)
Multiplex Communication System (LHD)
17
18
19
20
*1 : Gasoline
*2 : 1CD–FTV
*3 : w/ Daytime Running Light
*9 : w/ Engine Immobiliser System
*16 : LHD, W/G
Transponder Key Computer <9–4>
U 1 Unlock Warning SW
J16 Junction Connector
Instrument Panel Reinforcement RH
Behind the Combination Meter
D12 Door Courtesy SW Rear RH
D11 Door Courtesy SW Rear LH
D10 Door Courtesy SW Front RH
D 9 Door Courtesy SW Front LH
J10(A), J11(B) Junction Connector
I14(A) Integration Relay
I16 Interior Light
D 7 Door Courtesy Light LH
D 8 Door Courtesy Light RH
J 6(A), J 7(B) Junction Connector
J32 Junction Connector
L 5 Luggage Compartment Light
R17 Rear Interior Light
D 3 Diode
KSW
RCTY
PCTY
DCTY
LGCY

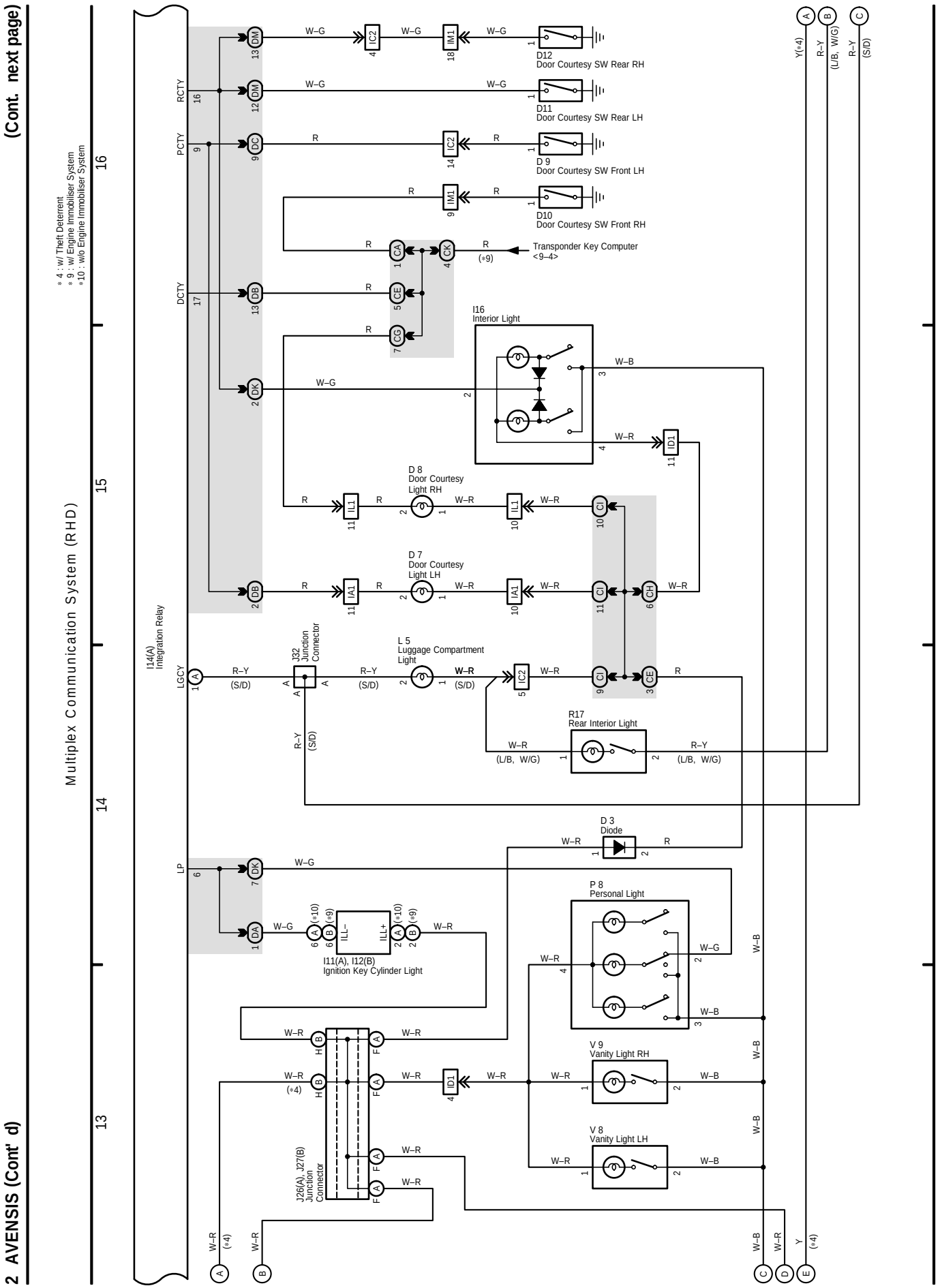
1 AVENSIS (Cont' d)

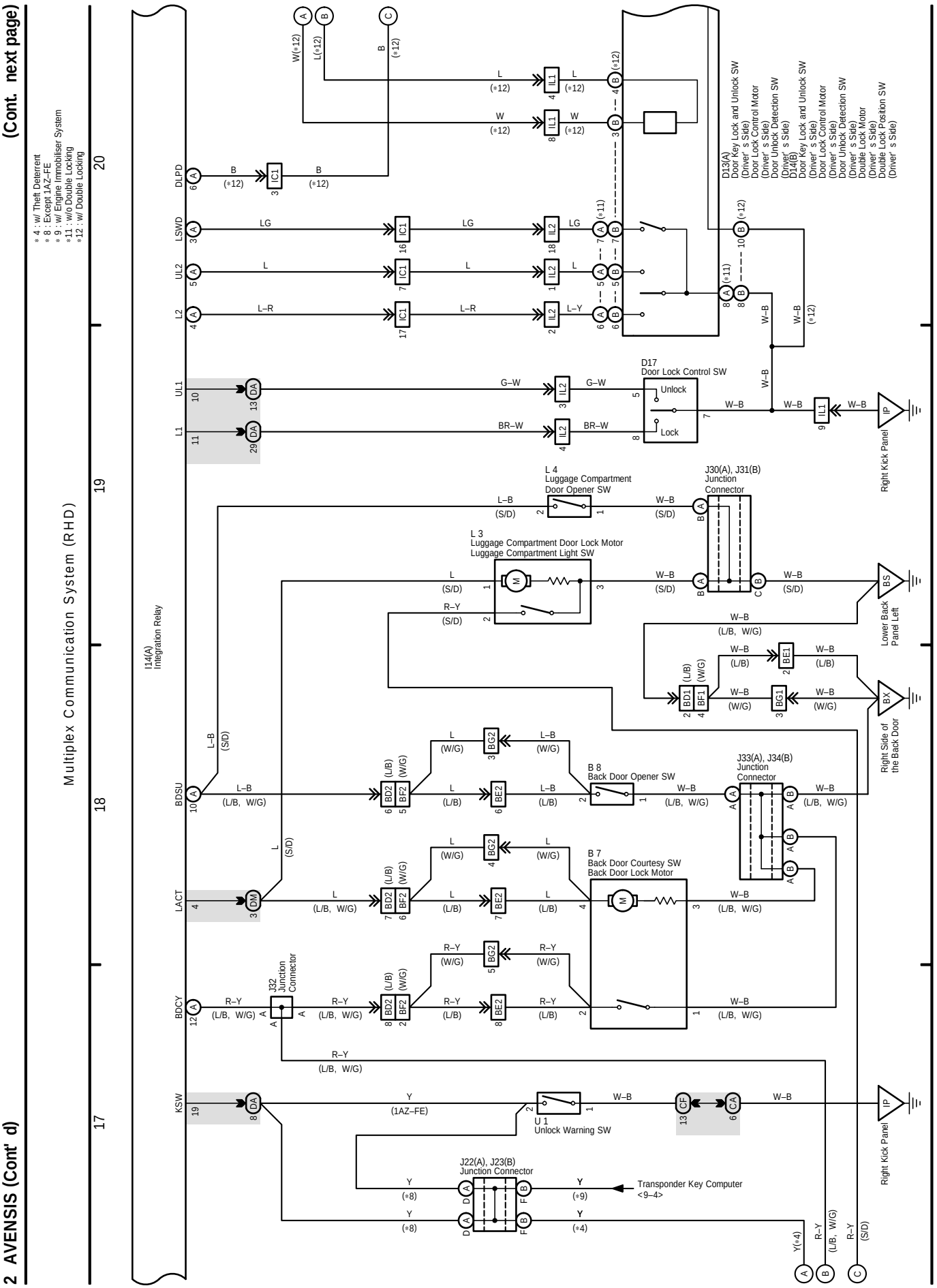


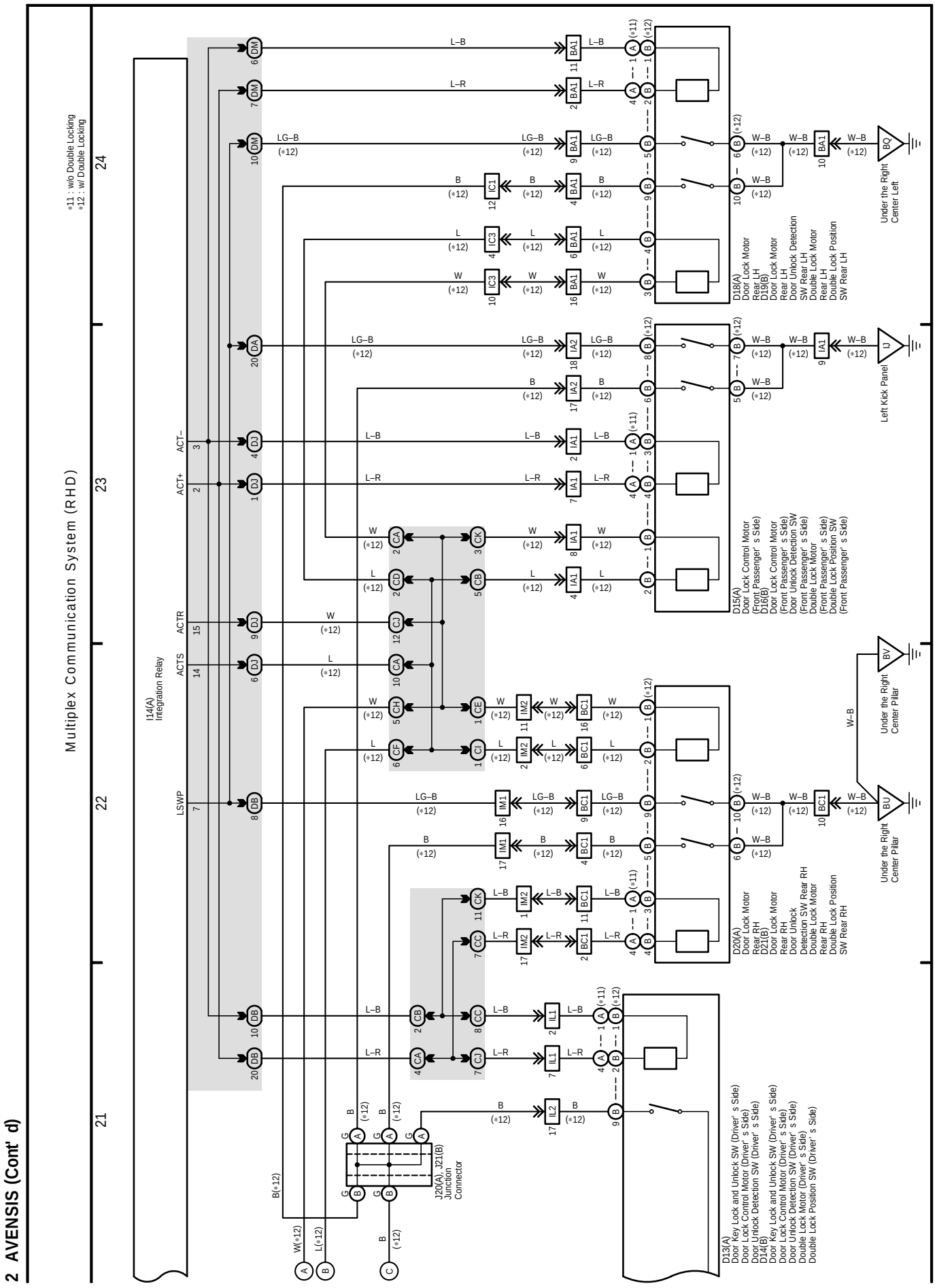

(Cont. next page)
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : w/ Wireless Door Lock
* 4 : w/ Theft Deterrent
Multiplex Communication System (RHD)
Power Source
2 AVENSIS
I14(A) Integration Relay
E
IG
TRLY
B
ACC
B
10A GAUGE1
25A DOOR
7. 5A RAD NO. 1
TAIL Relay
R–W
GR
W–R
W–B
G
B–L(*2)
B–G(*1)
G–Y
G–R
IG1 Relay
I13 Ignition SW
25A AM1
W–R (*3)
W–R (*4)
120A ALT (1AZ–FSE, 1AZ–FE)
100A ALT (1ZZ–FE, 3ZZ–FE)
7. 5A DOME
7. 5A ECU–B 2
30A DCC
140A ALT
B–W
B–L (*2)
W (*2)
B (*2)
B–G (*1)
FL MAIN 3. 0W
Battery
Left Kick Panel
IJ

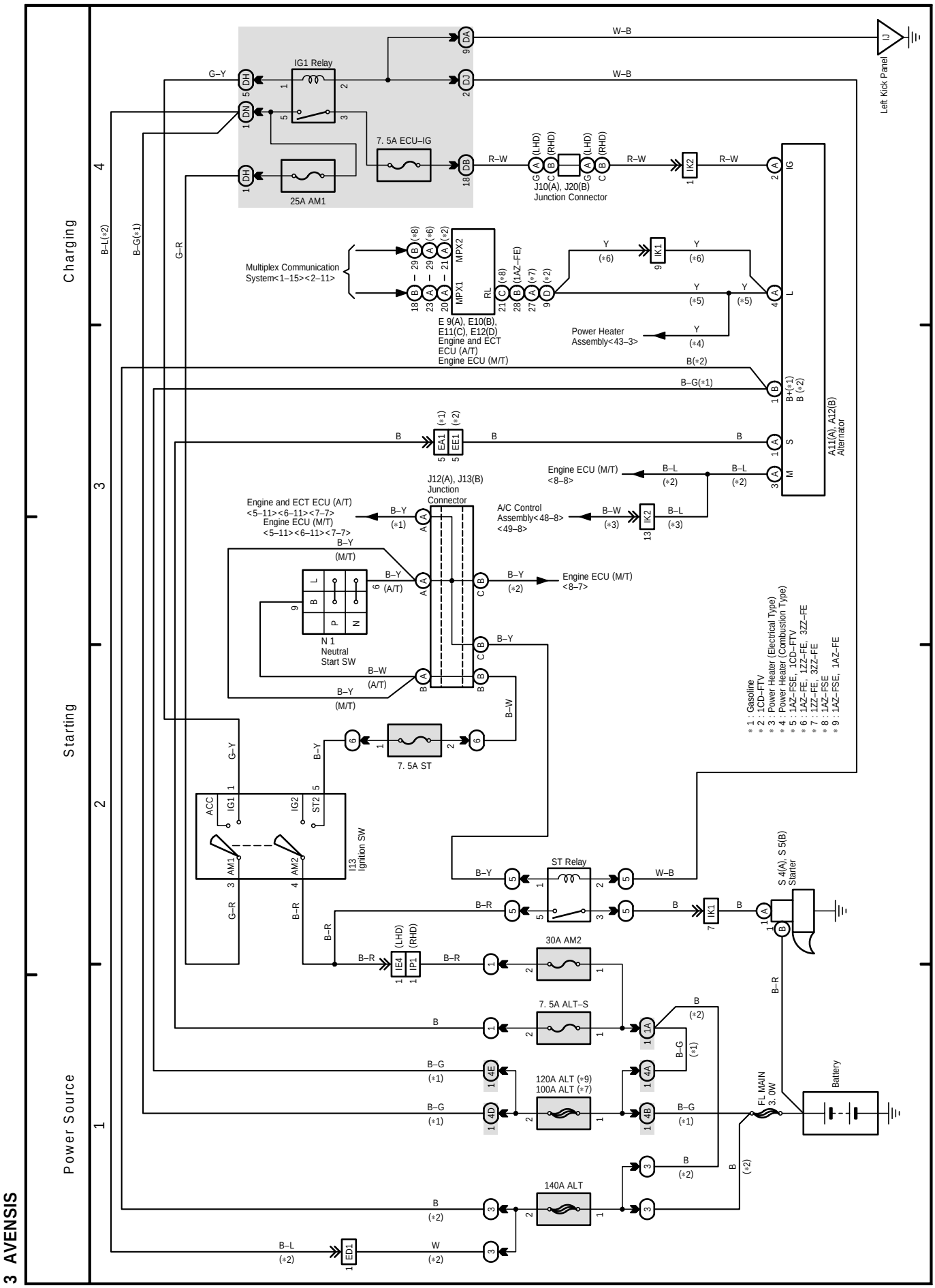

2 AVENSIS (Cont' d)
(Cont. next page)
Multiplex Communication System (RHD)
* 3 : w/ Wireless Door Lock
* 4 : w/ Theft Deterrent
I14(A)
Integration Relay
T 6
Theft Deterrent ECU
IG
KSW
HORN
MPX
IND
+B1
E
DSWH
SSW1
S+B
IOUT
CTLS
HORN Relay
<26–2>
Security Indicator
Light<9–2>
E 6
Engine Hood
Courtesy SW
Engine Compartment Left
EC
T15
Theft Warning
Siren
CONT
+B
GND
Under the Right
Center Pillar
BV
T12
Theft Warning
Ultrasonic Sensor
SOFF
SOU+
SOU–
SIN–
SIN+
T13
Theft Warning
Ultrasonic
Sensor Rear LH
MOU+
MOU–
T14
Theft Warning
Ultrasonic
Sensor Rear RH
MIN–
MIN+
(Shielded)
(*4 W/G)
J15
Junction
Connector
Behind the
Combination Meter
IK
D 6
Door Control Receiver
RDA
PRG
GROUND
+B
Airbag Sensor Assembly
<22–11>
Turn Signal Flasher Relay
<15–3>
DLC3
<5–19><6–15><7–14><8–15>
ECT and A/T Indicator System
<10–2><12–2>
Moon Roof System
<32–2>
Power Window System
<34–3>
BKL
FRLY
OBD2
SNOW
P/W

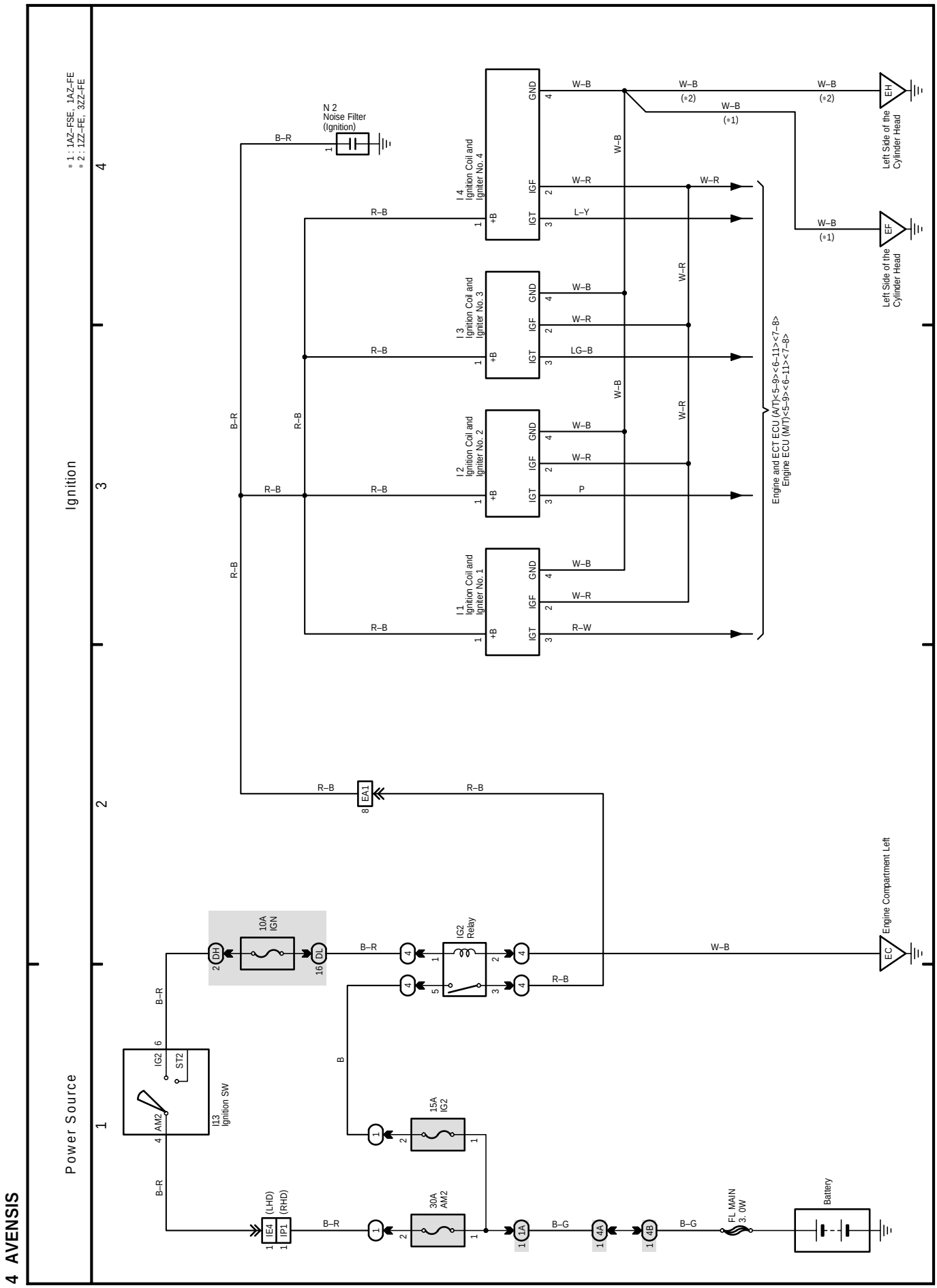

2 AVENSIS (Cont' d)
(Cont. next page)
Multiplex Communication System (RHD)
9
10
11
12
* 2 : 1CD–FTV
* 4 : w/ Theft Deterrent
* 5 : Except Automatic A/C
* 6 : Automatic A/C
* 7 : 1AZ–FE, 1ZZ–FE, 3ZZ–FE
* 8 : Except 1AZ–FE
I14(A)
Integration Relay
F19
Front Passenger' s Seat Belt
Warning Light
J16
Junction
Connector
Behind the
Combination Meter
B10
Buckle SW (Front Passenger' s Side)
Occupant Detection Sensor
IC3
J32
Junction
Connector
J30(A), J31(B)
Junction
Connector
Lower Back
Panel Left
IC1
A13(A), A15(B), A16(C)
A/C Control Assembly
E 9(A), E10(B)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
Door
BEAN
I/F
Buzzer
CPU
Seat Belt
C10(A), C11(B)
Combination Meter
Right Kick Panel
J20(A), J21(B)
Junction Connector
MPX1
MPX2
MPX–
MPX+
PBLT
IG
PBEW
B–PBEW
W–R
W–B
G–Y
R–W
L–R
P–B
P–L
GR
P
Y

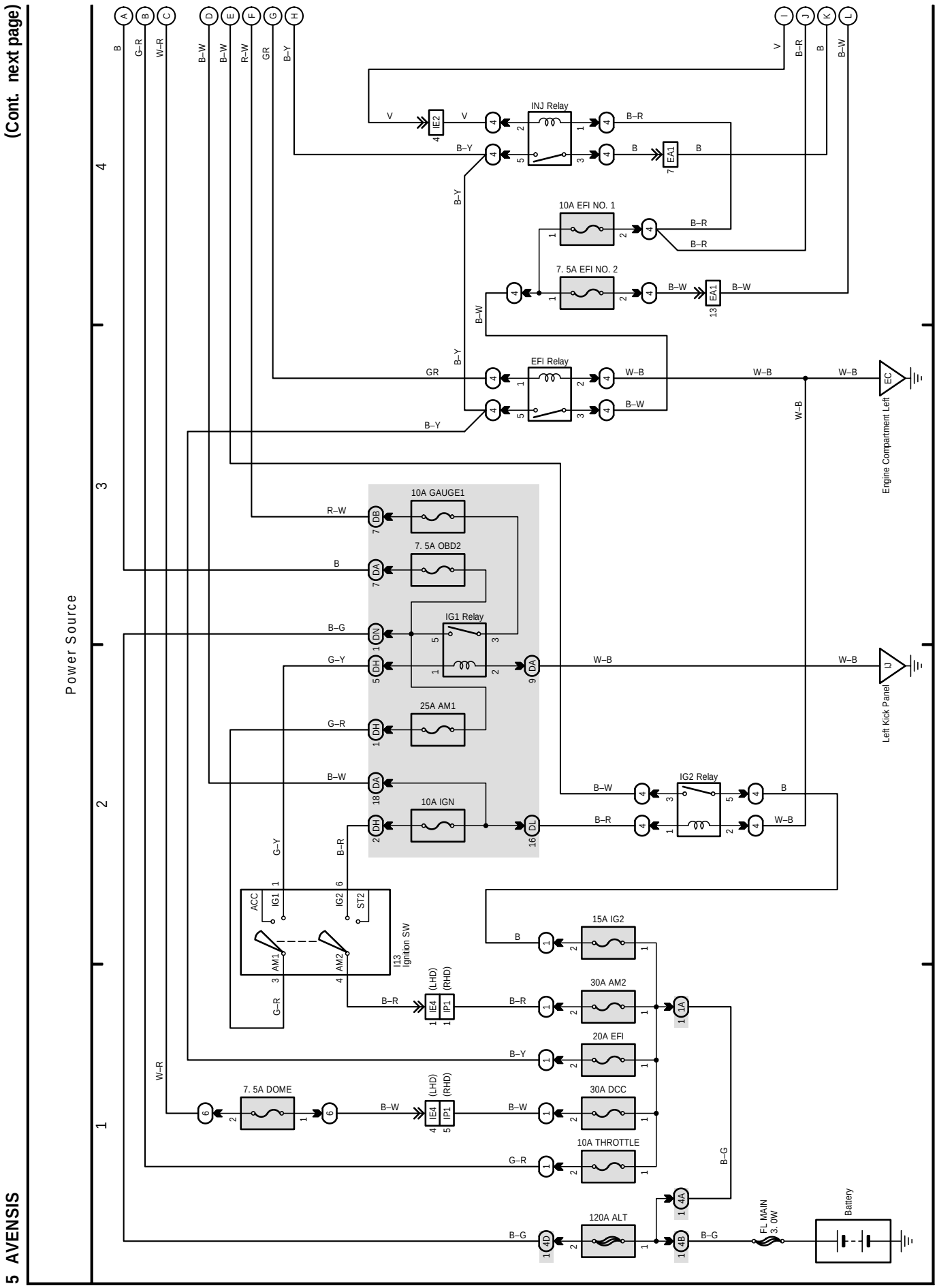

2 AVENSIS (Cont' d)
(Cont. next page)
Multiplex Communication System (RHD)
16
15
14
13
* 4 : w/ Theft Deterrent
* 9 : w/ Engine Immobiliser System
*10 : w/o Engine Immobiliser System
D12
Door Courtesy SW Rear RH
D11
Door Courtesy SW Rear LH
D 9
Door Courtesy SW Front LH
D10
Door Courtesy SW Front RH
Transponder Key Computer
I16
Interior Light
D 8
Door Courtesy
Light RH
D 7
Door Courtesy
Light LH
I14(A)
Integration Relay
J32
Junction
Connector
L 5
Luggage Compartment
Light
R17
Rear Interior Light
D 3
Diode
P 8
Personal Light
I11(A), I12(B)
Ignition Key Cylinder Light
V 9
Vanity Light RH
V 8
Vanity Light LH
J26(A), J27(B)
Junction
Connector


(Cont. next page)
2 AVENSIS (Cont' d)
Multiplex Communication System (RHD)
17
18
19
20
* 4 : w/ Theft Deterrent
* 8 : Except 1AZ–FE
* 9 : w/ Engine Immobiliser System
*11 : w/o Double Locking
*12 : w/ Double Locking
I14(A) Integration Relay
D13(A) Door Key Lock and Unlock SW (Driver's Side) Door Lock Control Motor (Driver's Side) Door Unlock Detection SW (Driver's Side) D13(B) Door Key Lock and Unlock SW (Driver's Side) Door Lock Control Motor (Driver's Side) Door Unlock Detection SW (Driver's Side) Double Lock Motor (Driver's Side) Double Lock Position SW (Driver's Side)
D17 Door Lock Control SW
Unlock
Lock
Right Kick Panel
L 4 Luggage Compartment Door Opener SW
J30(A), J31(B) Junction Connector
L 3 Luggage Compartment Door Lock Motor Luggage Compartment Light SW
Lower Back Panel Left
Right Side of the Back Door
J33(A), J34(B) Junction Connector
B 8 Back Door Opener SW
B 7 Back Door Courtesy SW Back Door Lock Motor
J32 Junction Connector
U 1 Unlock Warning SW
J22(A), J23(B) Junction Connector
Transponder Key Computer
<9–4>
DLPD
LSWD
UL2
L2
UL1
L1
BDSU
LACT
BDCY
KSW


2 AVENSIS (Cont' d)
Multiplex Communication System (RHD)
*11 : w/o Double Locking
*12 : w/ Double Locking
I14(A)
Integration Relay
LSWP
ACTS
ACTR
ACT+
ACT–
J20(A), J21(B)
Junction
Connector
D13(A)
Door Key Lock and Unlock SW (Driver' s Side)
Door Lock Control Motor (Driver' s Side)
Door Unlock Detection SW (Driver' s Side)
D14(B)
Door Key Lock and Unlock SW (Driver' s Side)
Door Lock Control Motor (Driver' s Side)
Door Unlock Detection SW (Driver' s Side)
Double Lock Motor (Driver' s Side)
Double Lock Position SW (Driver' s Side)
D20(A)
Door Lock Motor
Rear RH
D21(B)
Door Lock Motor
Rear RH
Door Unlock
Detection SW Rear RH
Double Lock Motor
Rear RH
Double Lock Position
SW Rear RH
D15(A)
Door Lock Control Motor
(Front Passenger' s Side)
D16(B)
Door Lock Control Motor
(Front Passenger' s Side)
Door Unlock Detection SW
(Front Passenger' s Side)
Double Lock Motor
(Front Passenger' s Side)
Double Lock Position SW
(Front Passenger' s Side)
D18(A)
Door Lock Motor
Rear LH
D19(B)
Door Lock Motor
Rear LH
Door Unlock Detection
SW Rear LH
Double Lock Motor
Rear LH
Double Lock Position
SW Rear LH
Under the Right
Center Left
Left Kick Panel
Under the Right
Center Pillar
Under the Right
Center Pillar

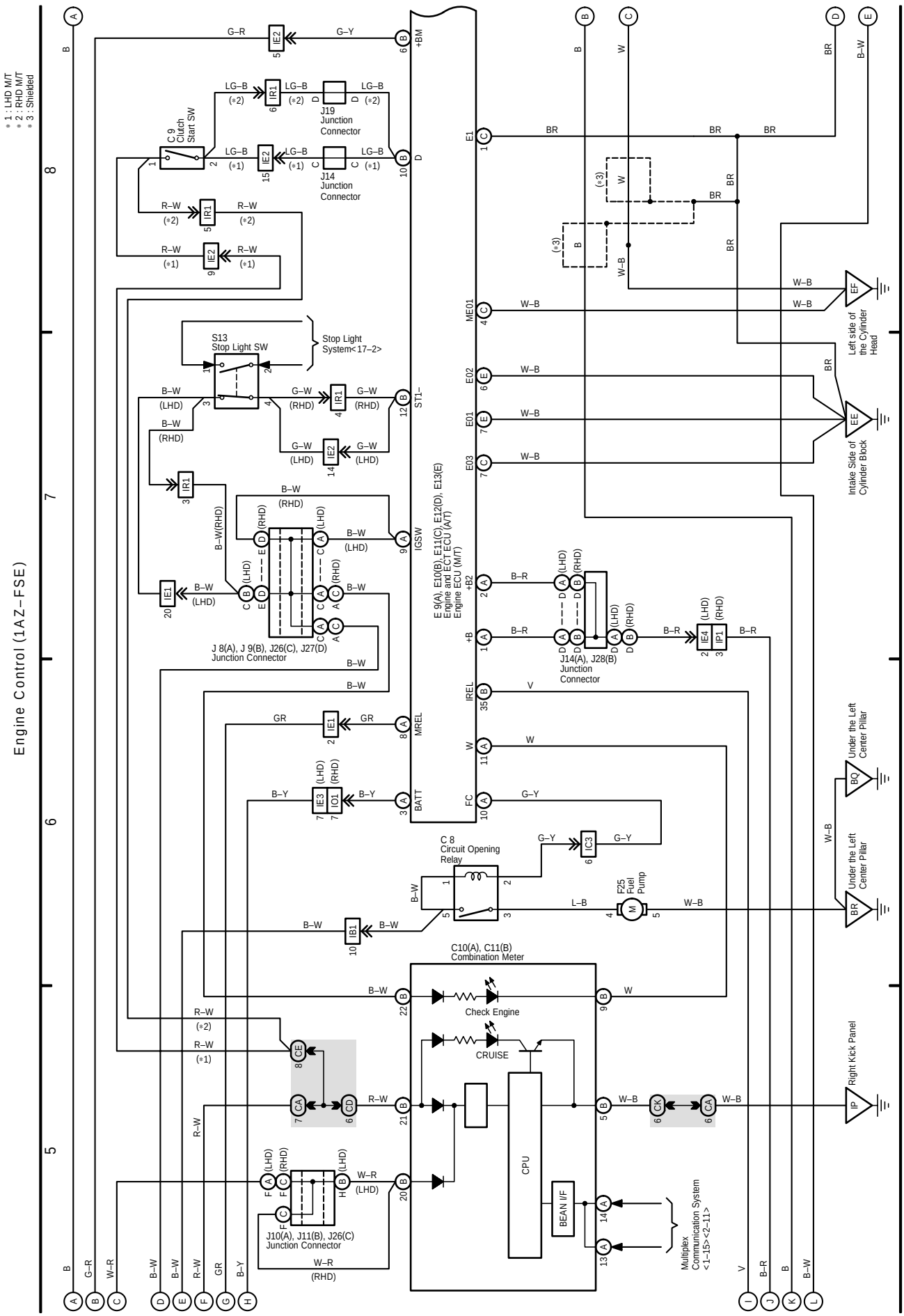

Charging
Starting
Power Source
IG1 Relay
7. 5A ECU–IG
25A AM1
J10(A), J20(B)
Junction Connector
Left Kick Panel
Multiplex Communication
System<1–15><2–11>
E 9(A), E10(B),
E11(C), E12(D)
Engine and ECT
ECU (A/T)
Engine ECU (M/T)
Power Heater
Assembly<43–3>
A11(A), A12(B)
Alternator
J12(A), J13(B)
Junction
Connector
Engine and ECT ECU (A/T)
<5–11><6–11><7–7>
Engine ECU (M/T)
<5–11><6–11><7–7>
Engine ECU (M/T)
<8–8>
A/C Control
Assembly<48–8>
<49–8>
Engine ECU (M/T)
<8–7>
N 1
Neutral
Start SW
7. 5A ST
I13
Ignition SW
ST Relay
S 4(A), S 5(B)
Starter
30A AM2
7. 5A ALT–S
120A ALT (*9)
100A ALT (*7)
140A ALT
FL MAIN
3. 0W
Battery
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : Power Heater (Electrical Type)
* 4 : Power Heater (Combustion Type)
* 5 : 1AZ–FSE, 1CD–FTV
* 6 : 1AZ–FE, 1ZZ–FE, 3ZZ–FE
* 7 : 1ZZ–FE, 3ZZ–FE
* 8 : 1AZ–FSE
* 9 : 1AZ–FSE, 1AZ–FE

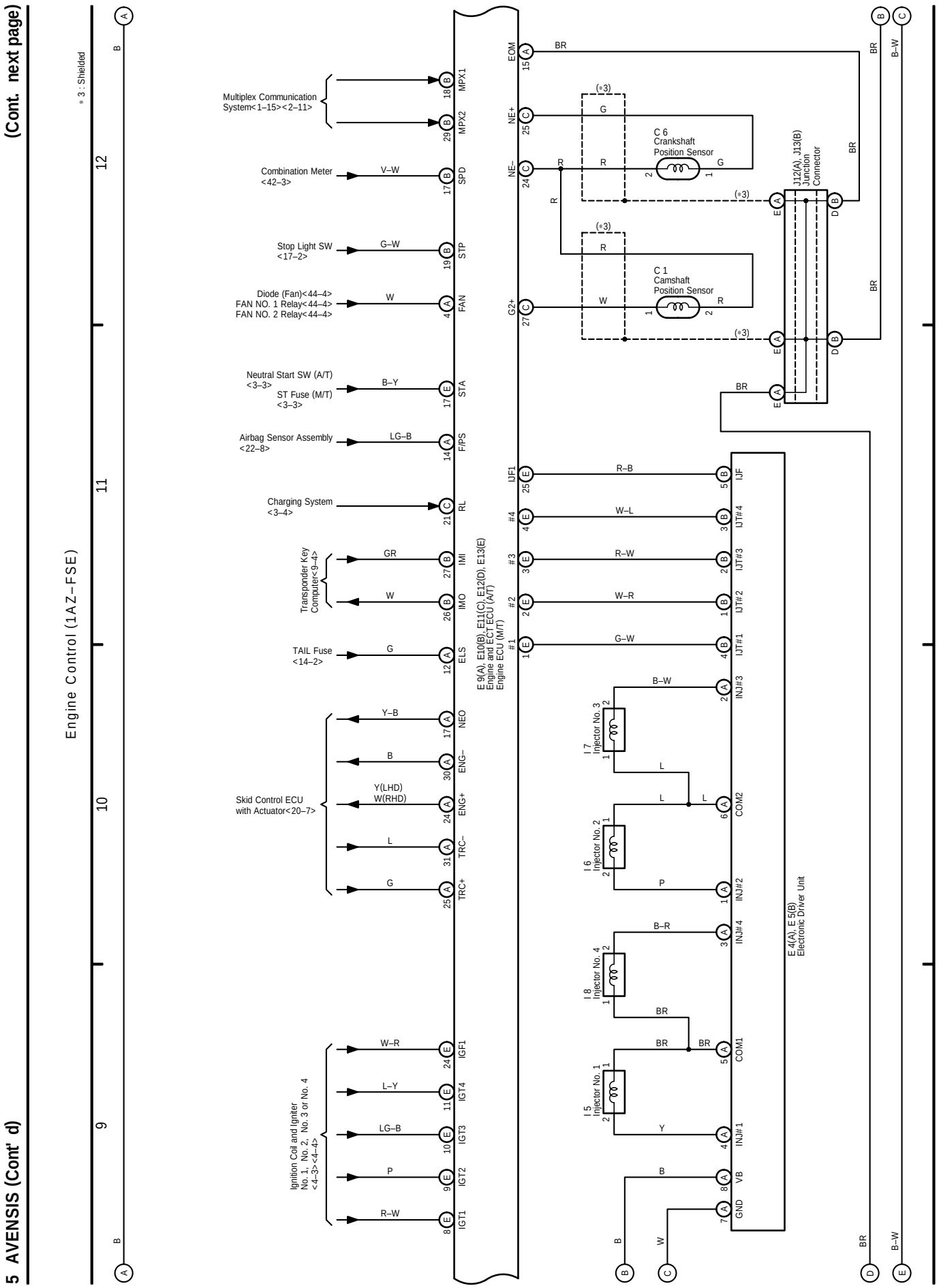

4 AVENSIS
Power Source
Ignition
1
2
3
4
* 1 : 1AZ–FSE, 1AZ–FE
* 2 : 1ZZ–FE, 3ZZ–FE
N 2
Noise Filter
(Ignition)
I 4
Ignition Coil and
Igniter No. 4
I 3
Ignition Coil and
Igniter No. 3
I 2
Ignition Coil and
Igniter No. 2
I 1
Ignition Coil and
Igniter No. 1
GND
IGF
IGT
+B
W–B
W–R
L–Y
LG–B
P
R–W
R–B
B–R
B–G
B
(*1)
(*2)
EH
EF
Left Side of the
Cylinder Head
Engine and ECT ECU (A/T)<5–9><6–11><7–8>
Engine ECU (M/T)<5–9><6–11><7–8>
EC
Engine Compartment Left
10A
IGN
IG2
Relay
15A
IG2
30A
AM2
I13
Ignition SW
IG2
ST2
AM2
(LHD)
IE4
(RHD)
IP1
EA1
FL MAIN
3. 0W
Battery


(Cont. next page)
5 AVENSIS
Power Source
INJ Relay
EFI Relay
IG1 Relay
IG2 Relay
10A EFI NO. 1
7. 5A EFI NO. 2
10A GAUGE1
7. 5A OBD2
25A AM1
10A IGN
15A IG2
30A AM2
20A EFI
30A DCC
10A THROTTLE
120A ALT
7. 5A DOME
I13 Ignition SW
Engine Compartment Left
Left Kick Panel
Battery

5 AVENSIS (Cont' d)

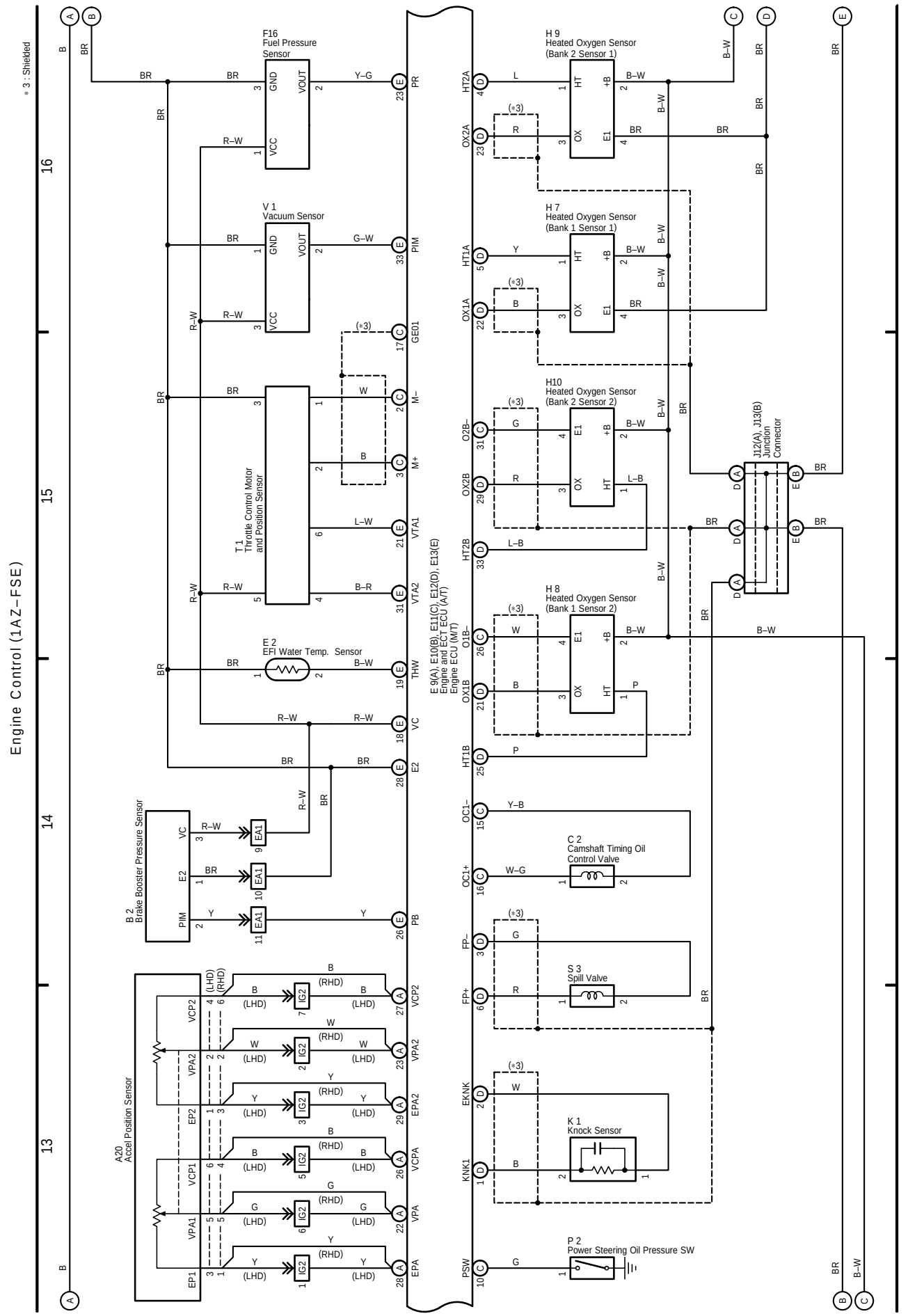
(Cont. next page)

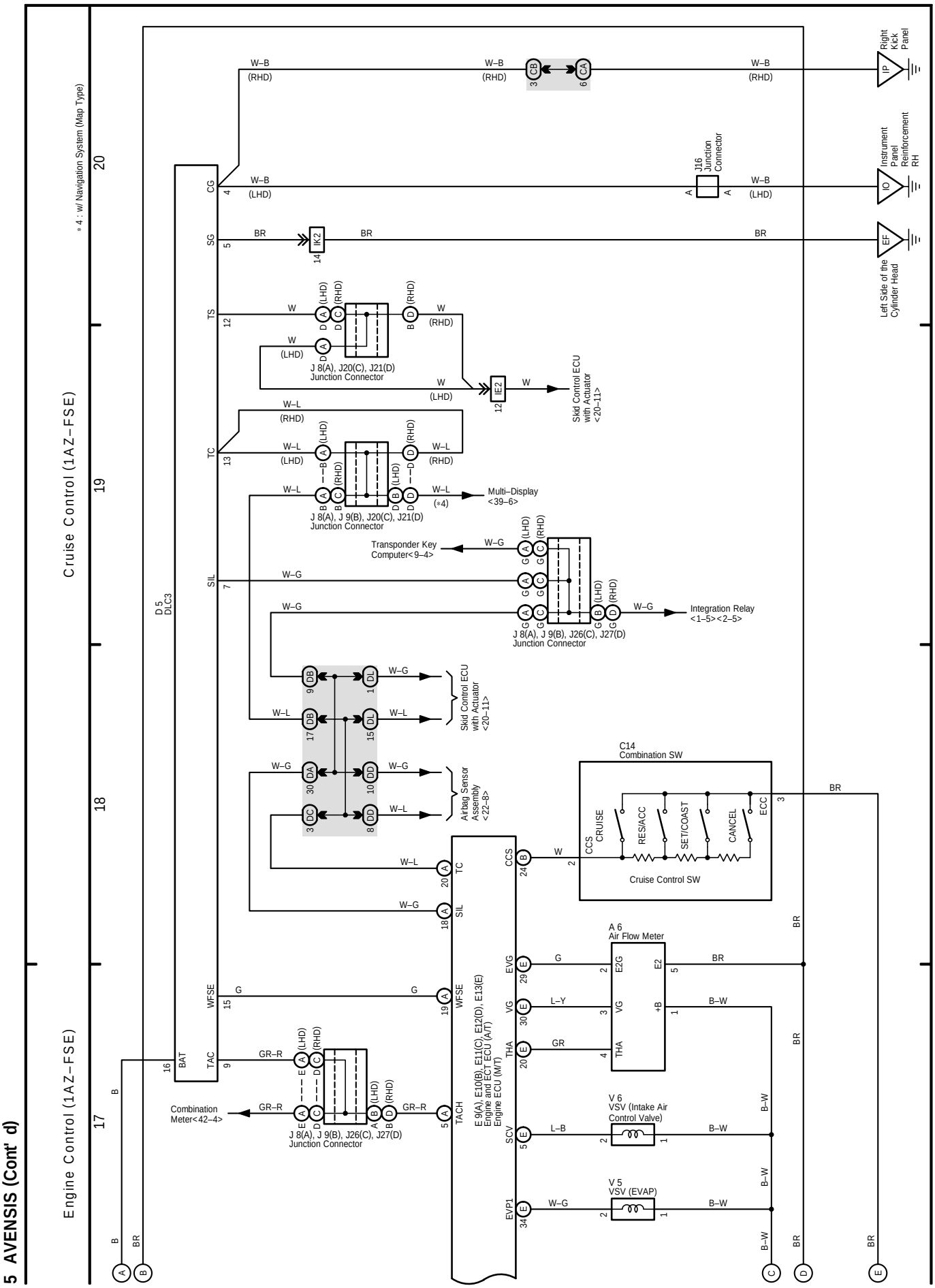


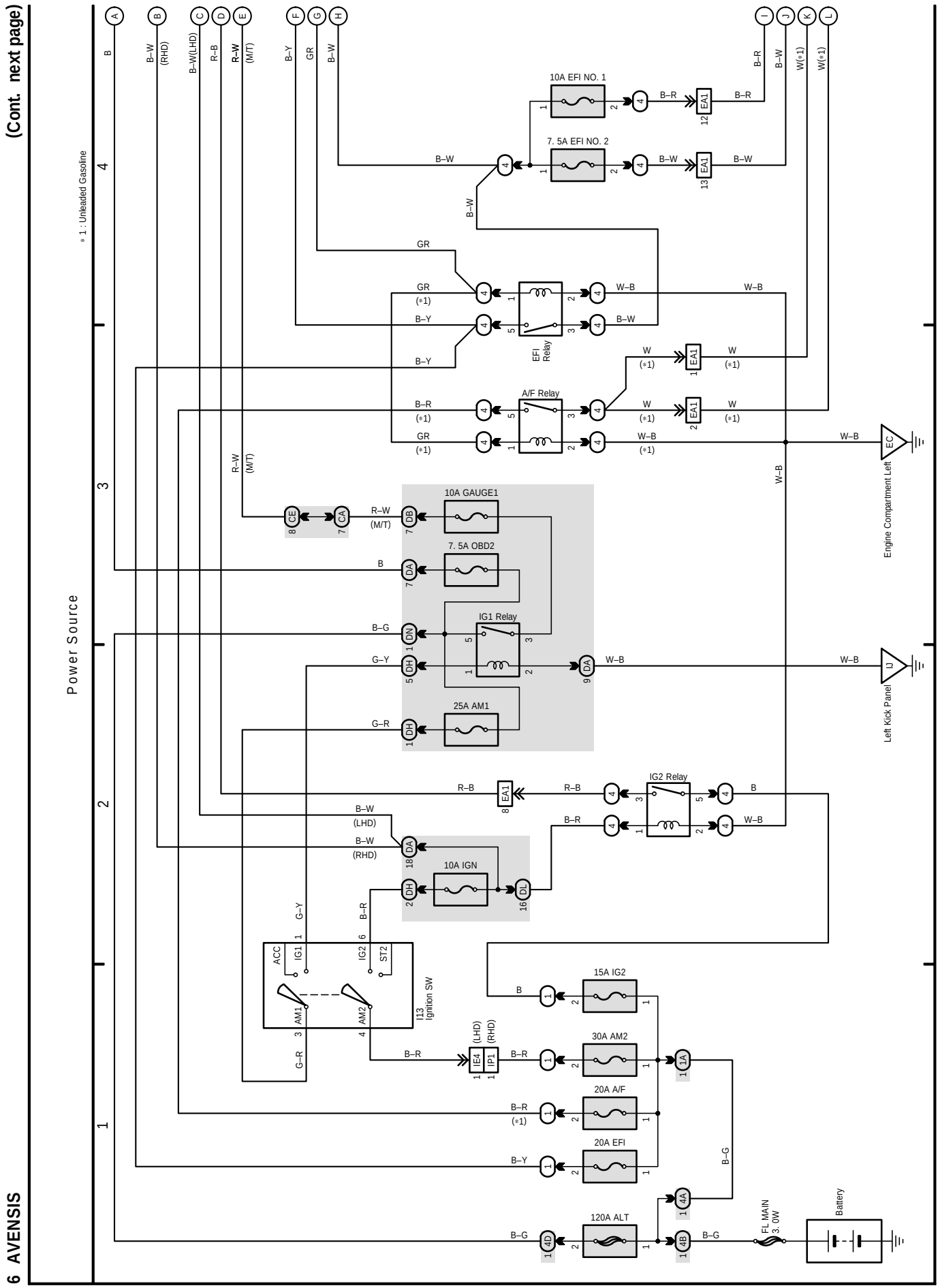

5 AVENSIS (Cont' d)
(Cont. next page)
Engine Control (1AZ–FSE)
9
10
11
12
* 3 : Shielded
Multiplex Communication System<1–15><2–11>
Combination Meter <42–3>
Stop Light SW <17–2>
Diode (Fan)<44–4> FAN NO. 1 Relay<44–4> FAN NO. 2 Relay<44–4>
Neutral Start SW (A/T) <3–3> ST Fuse (M/T) <3–3>
Airbag Sensor Assembly <22–8>
Charging System <3–4>
Transponder Key Computer<9–4>
TAIL Fuse <14–2>
Skid Control ECU with Actuator<20–7>
Ignition Coil and Igniter No. 1, No. 2, No. 3 or No. 4 <4–3><4–4>
MPX1
MPX2
SPD
STP
FAN
STA
F/PS
RL
IMI
IMO
ELS
NEO
ENG–
ENG+
TRC–
TRC+
IGF1
IGT4
IGT3
IGT2
IGT1
E 9(A), E10(B), E11(C), E12(D), E13(E) Engine and ECT ECU (A/T) Engine ECU (M/T)
EOM
NE+
NE–
G2+
IJF1
#4
#3
#2
#1
C 6 Crankshaft Position Sensor
C 1 Camshaft Position Sensor
J12(A), J13(B) Junction Connector
I 7 Injector No. 3
I 6 Injector No. 2
I 8 Injector No. 4
I 5 Injector No. 1
IJF
IJT#4
IJT#3
IJT#2
IJT#1
INJ#3
COM2
INJ#2
INJ#4
COM1
INJ#1
VB
GND
E 4(A), E 5(B) Electronic Driver Unit

5 AVENSIS (Cont' d)

(Cont. next page)

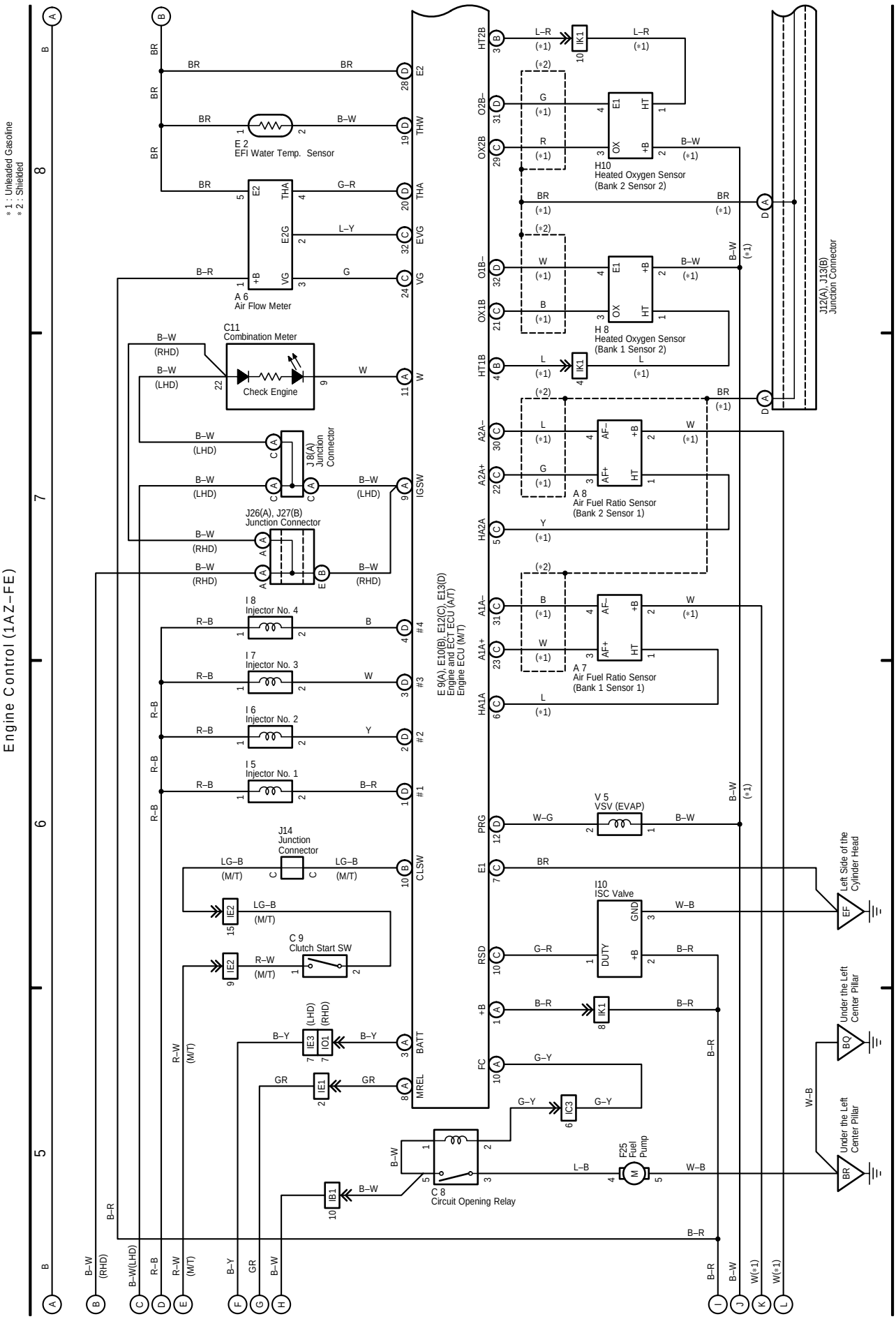


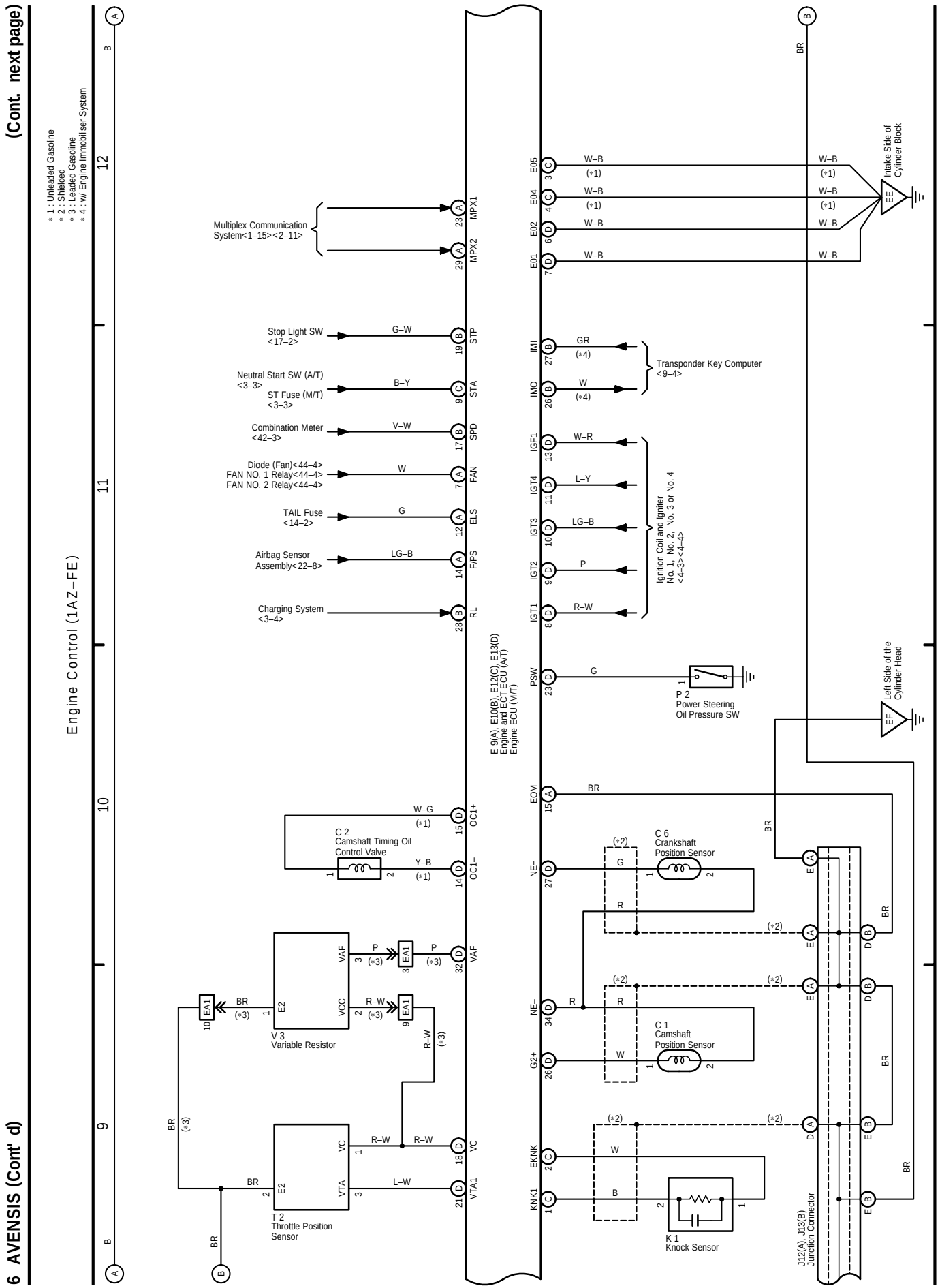

5 AVENSIS (Cont' d)
Engine Control (1AZ–FSE)
Cruise Control (1AZ–FSE)
17
18
19
20
* 4 : w/ Navigation System (Map Type)
D 5
DLC3
BAT
TAC
WFSE
SIL
TC
SG
CG
TS
TACH
CCS
EVG
VG
THA
SCV
EVP1
E9(A), E10(B), E11(C), E12(D), E13(E)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
A 6
Air Flow Meter
E2G
E2
+B
V 6
VSV (Intake Air Control Valve)
V 5
VSV (EVAP)
C14
Combination SW
CRUISE
RES/ACC
SET/COAST
CANCEL
ECC
CCS
Cruise Control SW
Combination Meter<42–4>
J 8(A), J 9(B), J26(C), J27(D) Junction Connector
J 8(A), J 9(B), J20(C), J21(D) Junction Connector
J 8(A), J20(C), J21(D) Junction Connector
J 8(A), J 9(B), J26(C), J27(D) Junction Connector
Transponder Key Computer<9–4>
Skid Control ECU with Actuator <20–11>
Airbag Sensor Assembly <22–8>
Multi–Display <39–6>
Integration Relay <1–5><2–5>
Skid Control ECU with Actuator <20–11>
Right Kick Panel
Instrument Panel Reinforcement RH
Left Side of the Cylinder Head
J16 Junction Connector
IK2
IE2
IP
IO
EF
(RHD)
(LHD)
W–B
BR
W
W–L
W–G
GR–R
G
L–Y
B–W
L–B
B
GR


(Cont. next page)
6 AVENSIS
Power Source
* 1 : Unleaded Gasoline
10A EFI NO. 1
7. 5A EFI NO. 2
EFI Relay
A/F Relay
10A GAUGE1
7. 5A OBD2
IG1 Relay
25A AM1
IG2 Relay
10A IGN
15A IG2
30A AM2
20A A/F
20A EFI
120A ALT
ACC
IG1
IG2
ST2
AM1
AM2
113 Ignition SW
Engine Compartment Left
Left Kick Panel
Battery
FL MAIN 3. 0W

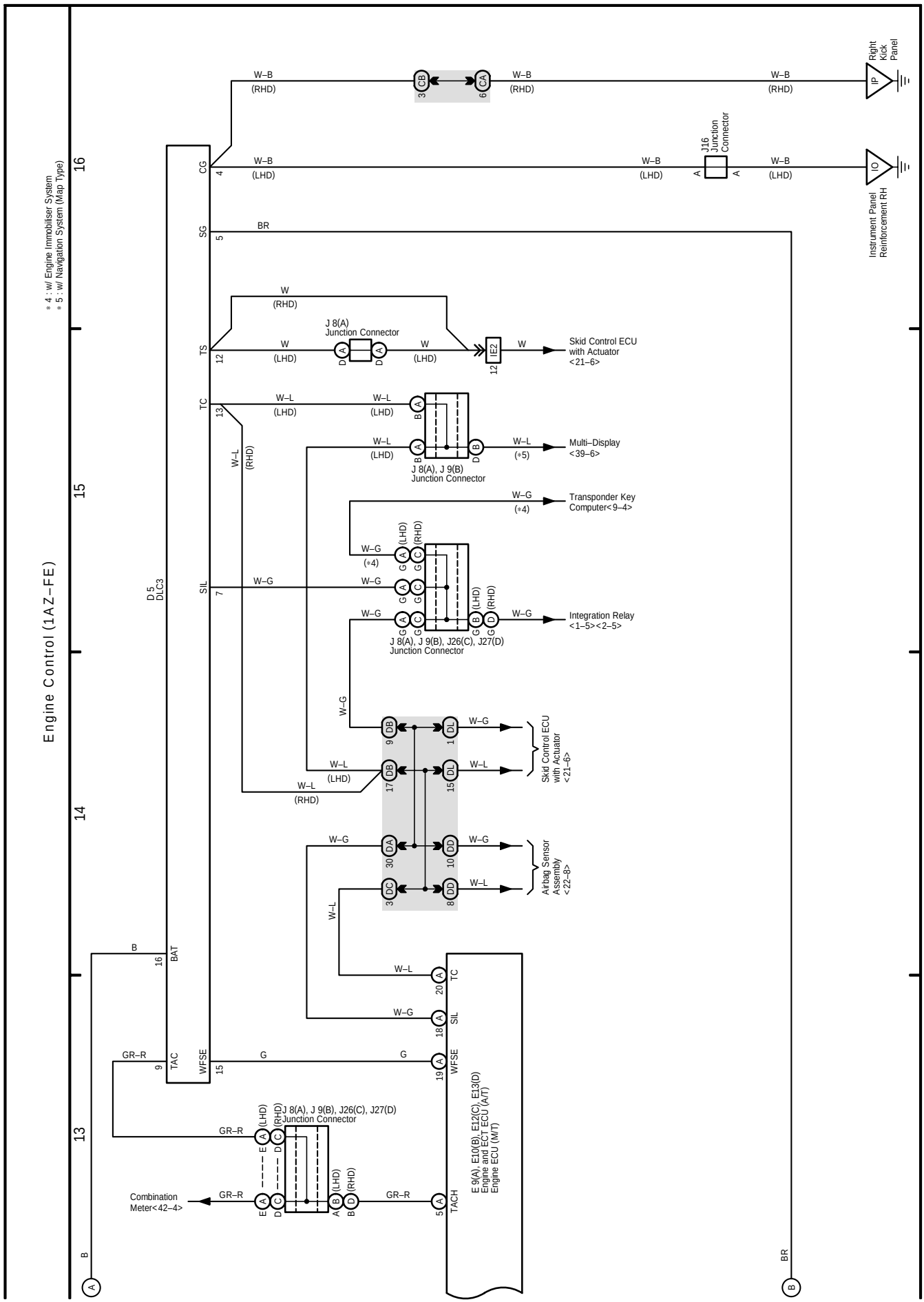
6 AVENSIS (Cont' d)

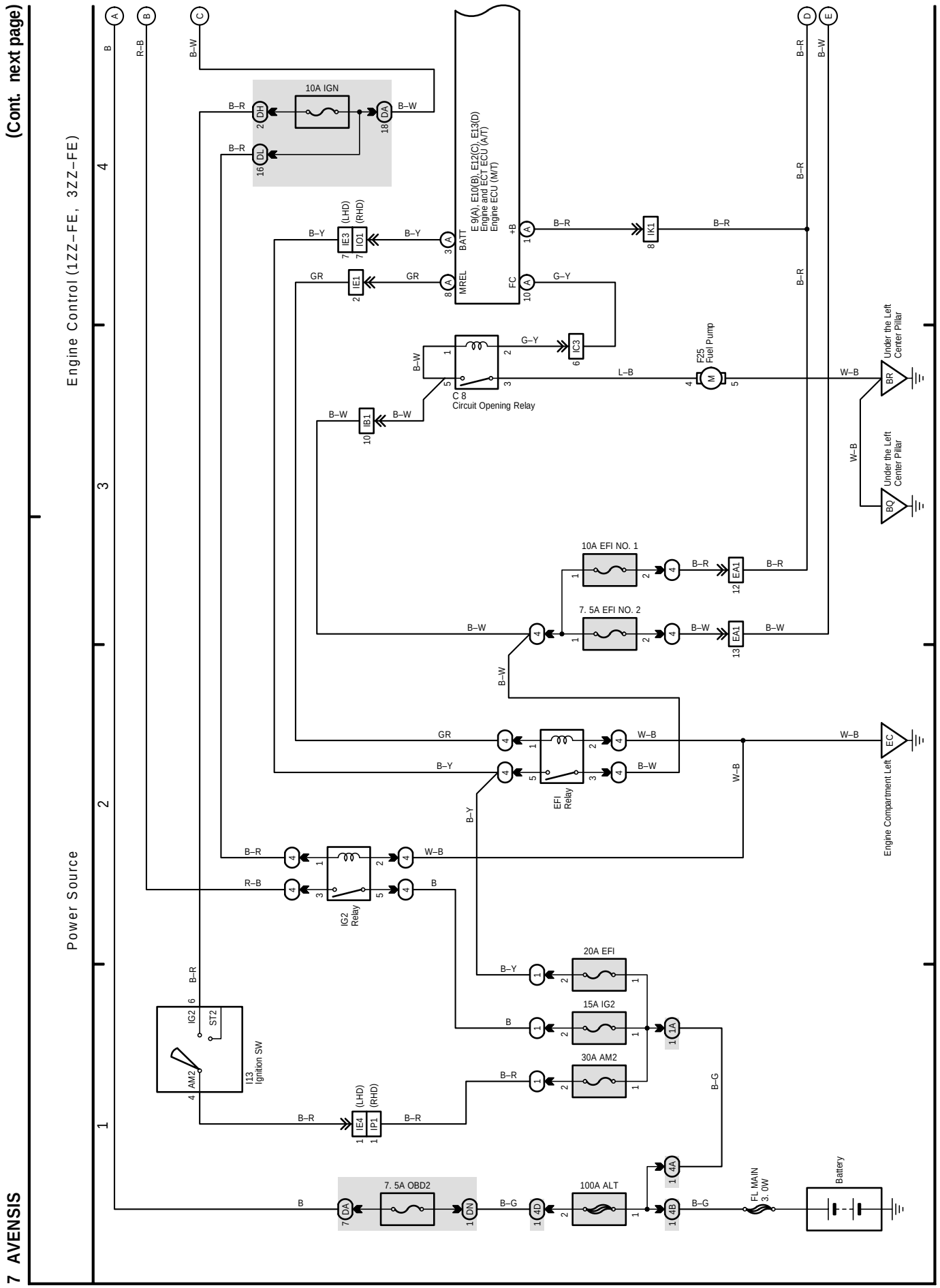
(Cont. next page)




(Cont. next page)
6 AVENSIS (Cont' d)
Engine Control (1AZ–FE)
* 1 : Unleaded Gasoline
* 2 : Shielded
* 3 : Leaded Gasoline
* 4 : w/ Engine Immobiliser System
Multiplex Communication System<1–15><2–11>
MPX1
MPX2
Stop Light SW <17–2>
Neutral Start SW (A/T) <3–3>
ST Fuse (M/T) <3–3>
Combination Meter <42–3>
Diode (Fan)<44–4>
FAN NO. 1 Relay<44–4>
FAN NO. 2 Relay<44–4>
TAIL Fuse <14–2>
Airbag Sensor Assembly<22–8>
Charging System <3–4>
Transponder Key Computer <9–4>
Ignition Coil and Igniter No. 1, No. 2, No. 3 or No. 4 <4–3><4–4>
E 9(A), E10(B), E12(C), E13(D) Engine and ECT ECU (A/T) Engine ECU (M/T)
P 2 Power Steering Oil Pressure SW
Intake Side of Cylinder Block
Left Side of the Cylinder Head
C 2 Camshaft Timing Oil Control Valve
C 6 Crankshaft Position Sensor
C 1 Camshaft Position Sensor
V 3 Variable Resistor
T 2 Throttle Position Sensor
K 1 Knock Sensor
J12(A), J13(B) Junction Connector

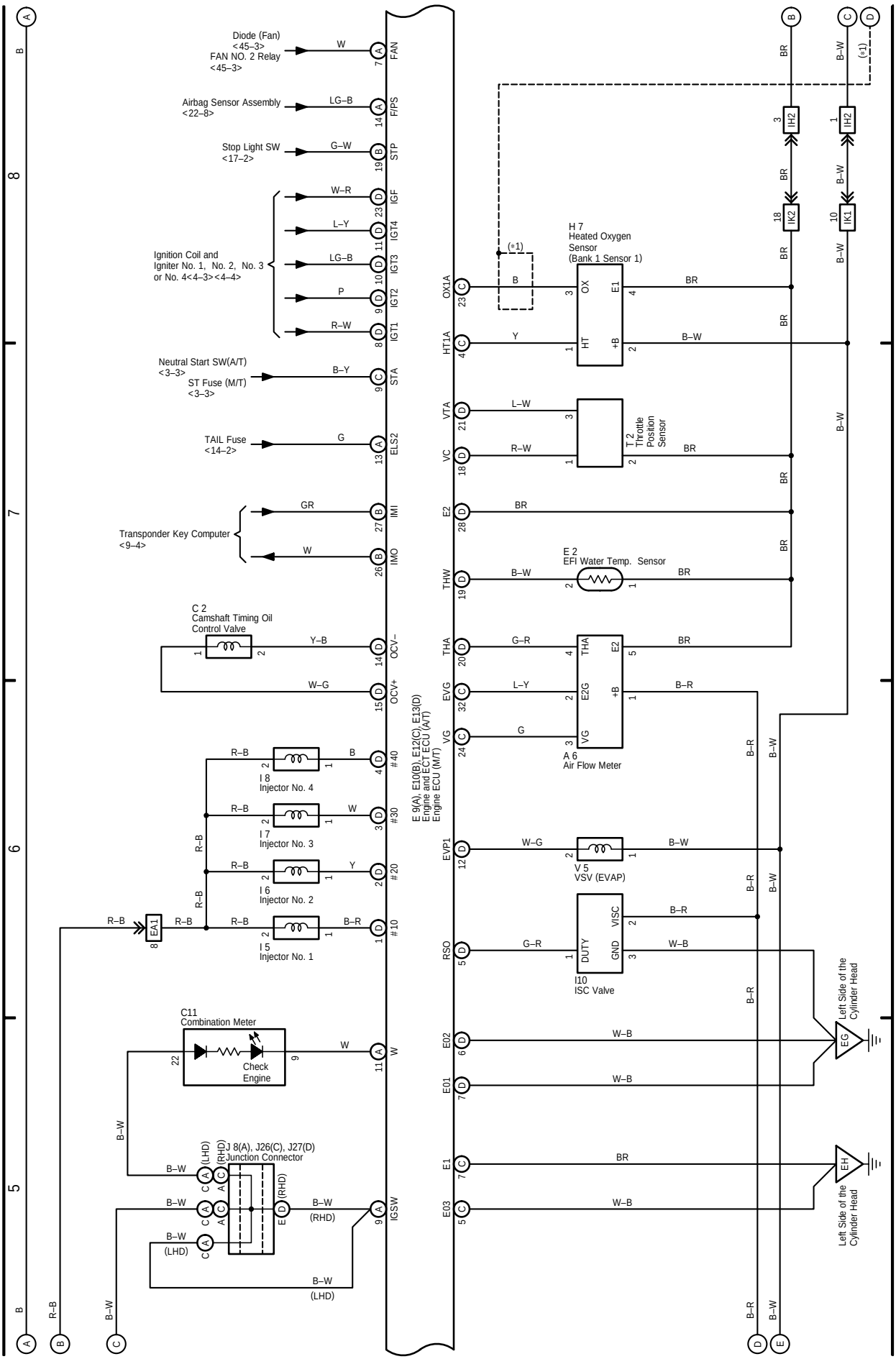
6 AVENSIS (Cont' d)

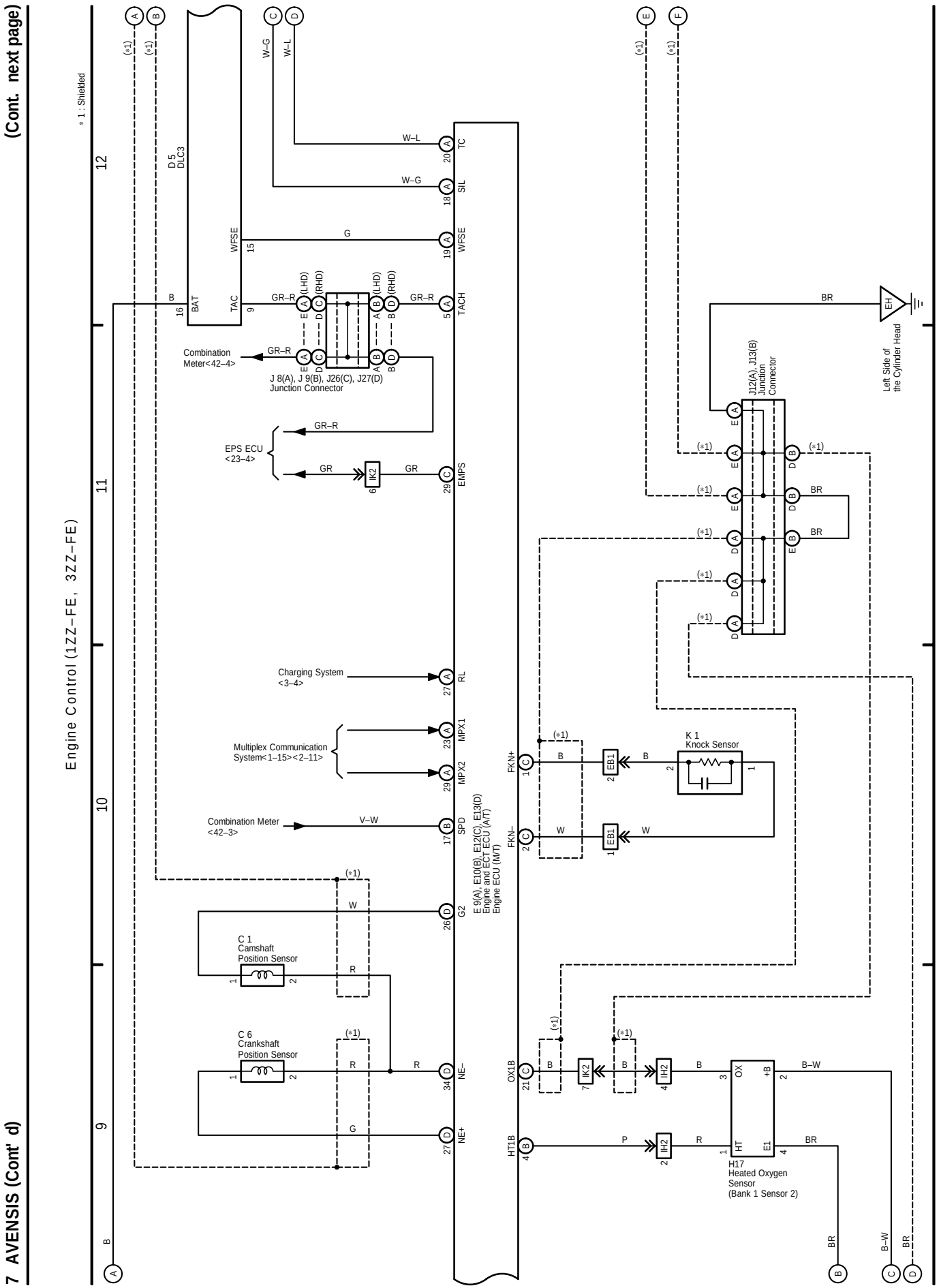



(Cont. next page)
Engine Control (1ZZ–FE, 3ZZ–FE)
Power Source
7 AVENSIS
10A IGN
E 9(A), E10(B), E12(C), E13(D)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
BATT
+B
MREL
FC
C 8
Circuit Opening Relay
F25
Fuel Pump
Under the Left
Center Pillar
10A EFI NO. 1
7. 5A EFI NO. 2
EFI
Relay
Engine Compartment Left
IG2
Relay
20A EFI
15A IG2
30A AM2
I13
Ignition SW
IG2
ST2
AM2
7. 5A OBD2
100A ALT
FL MAIN
3. 0W
Battery

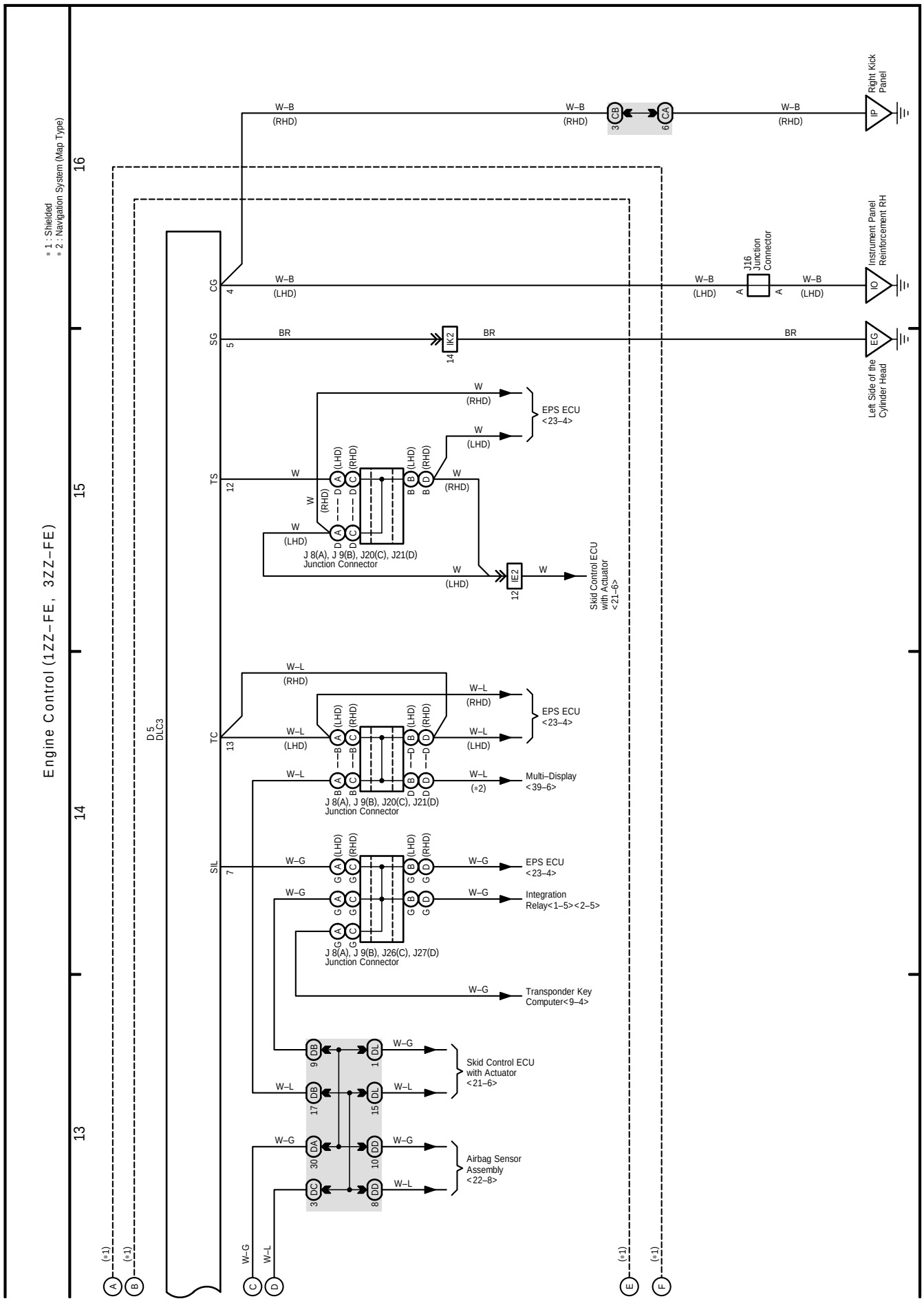
7 AVENSIS (Cont' d)

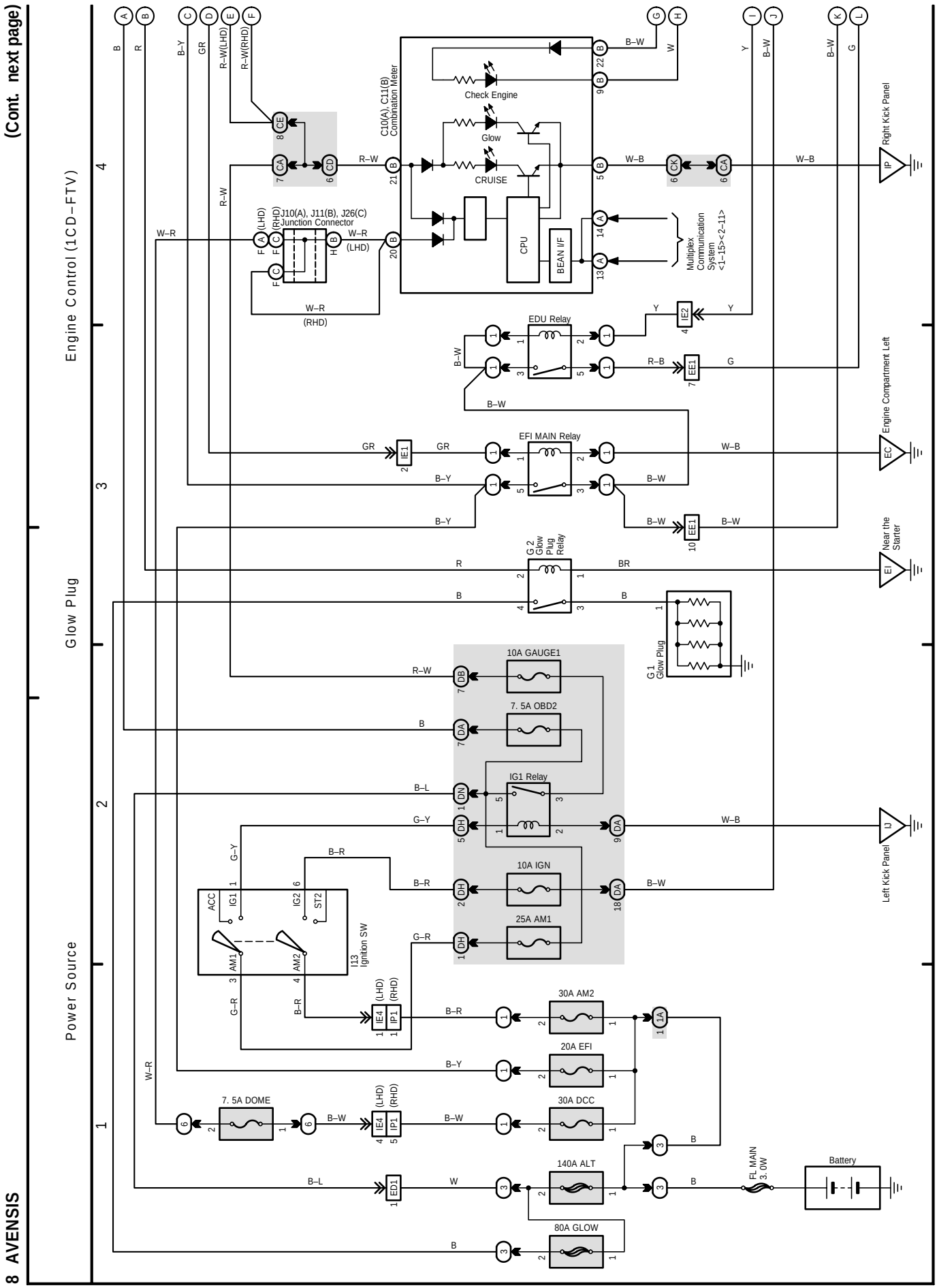
(Cont. next page)




(Cont. next page)
7 AVENSIS (Cont' d)
Engine Control (1ZZ–FE, 3ZZ–FE)
* 1 : Shielded
12
11
10
9
D 5
DLC3
BAT
TAC
WFSE
TC
SIL
TACH
EMPS
RL
MPX1
MPX2
SPD
G2
NE–
NE+
FKN+
FKN–
OX1B
HT1B
E 9(A), E10(B), E12(C), E13(D)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
J 8(A), J 9(B), J26(C), J27(D)
Junction Connector
Combination Meter<42–4>
EPS ECU
<23–4>
Charging System
<3–4>
Multiplex Communication
System<1–15><2–11>
Combination Meter
<42–3>
C 1
Camshaft
Position Sensor
C 6
Crankshaft
Position Sensor
K 1
Knock Sensor
H17
Heated Oxygen
Sensor
(Bank 1 Sensor 2)
J12(A), J13(B)
Junction
Connector
Left Side of
the Cylinder Head
IK2
EB1
IH2
EH
W–L
W–G
G
GR–R
GR
V–W
W
R
P
B
BR
B–W

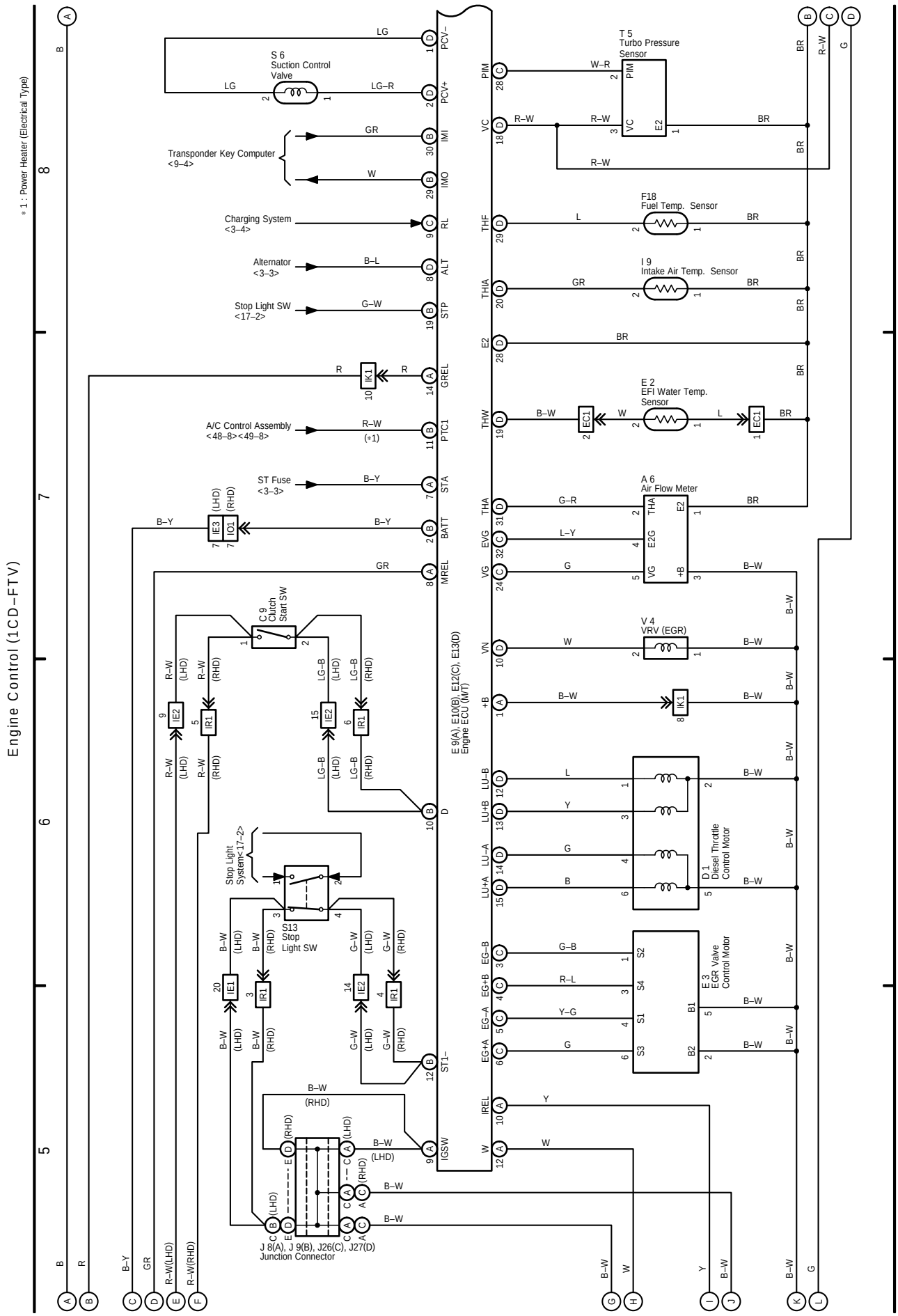
7 AVENSIS (Cont' d)

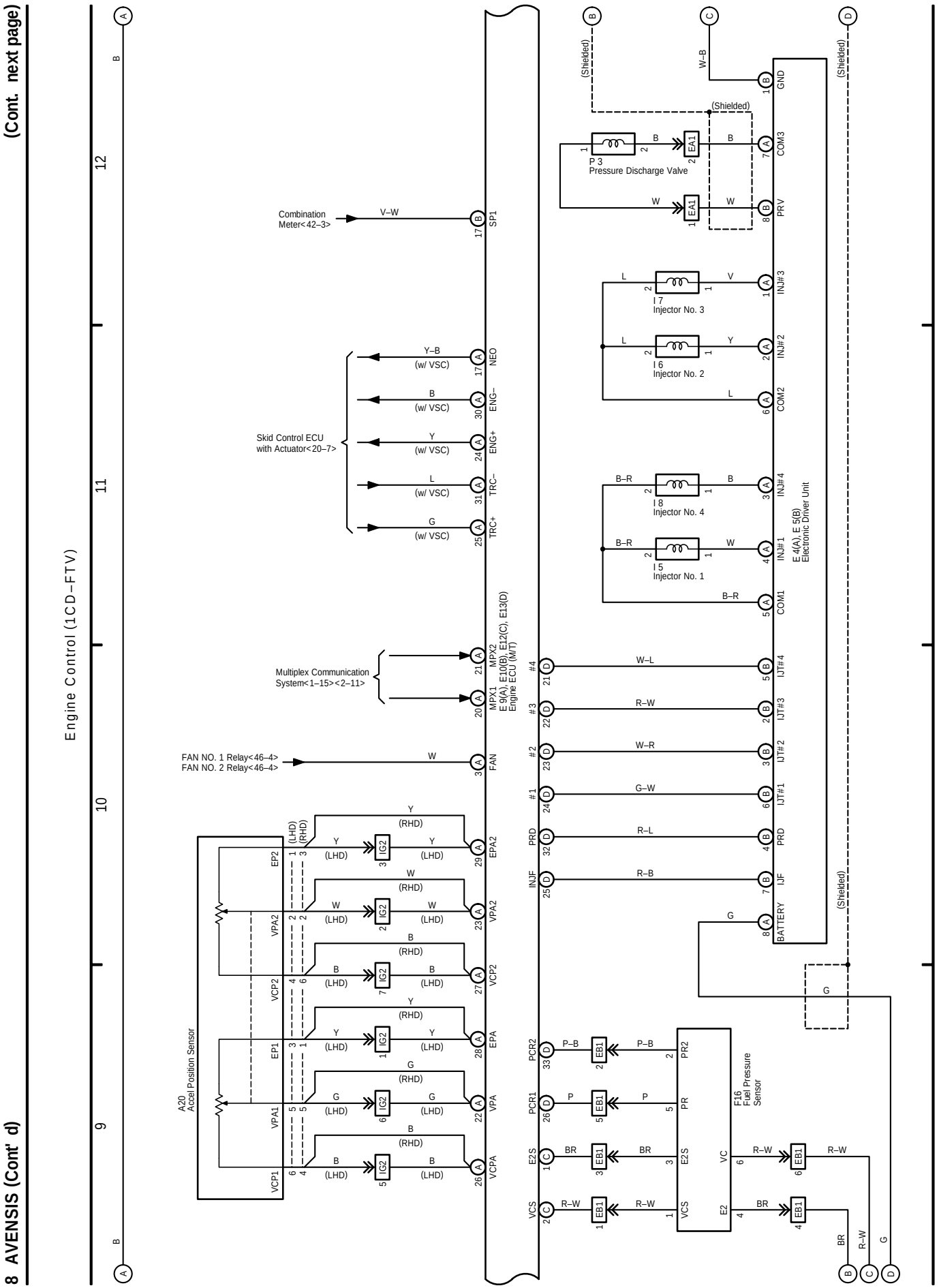



(Cont. next page)
Engine Control (1CD–FTV)
Glow Plug
Power Source
8 AVENSIS
C10(A), C11(B) Combination Meter
Check Engine
Glow
CRUISE
CPU
BEAN I/F
Multiplex Communication System <1–15><2–11>
J10(A), J11(B), J26(C) Junction Connector
(LHD)
(RHD)
EDU Relay
EFI MAIN Relay
G 2 Glow Plug Relay
G 1 Glow Plug
10A GAUGE1
7. 5A OBD2
IG1 Relay
10A IGN
25A AM1
I13 Ignition SW
ACC
IG1
IG2
ST2
AM1
AM2
30A AM2
20A EFI
7. 5A DOME
30A DCC
140A ALT
80A GLOW
FL MAIN 3. 0W
Battery
Right Kick Panel
Engine Compartment Left
Near the Starter
Left Kick Panel

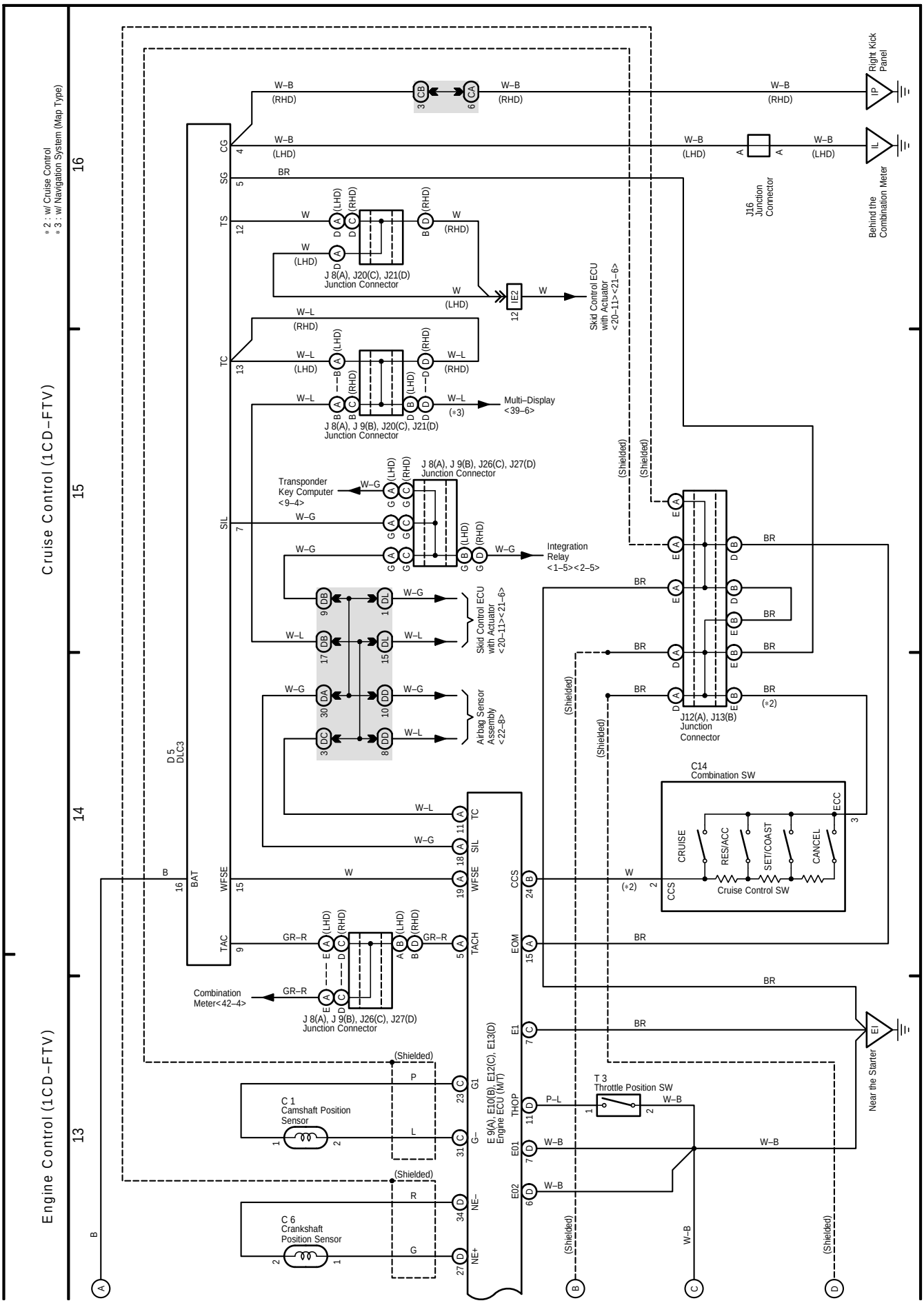
8 AVENSIS (Cont' d)

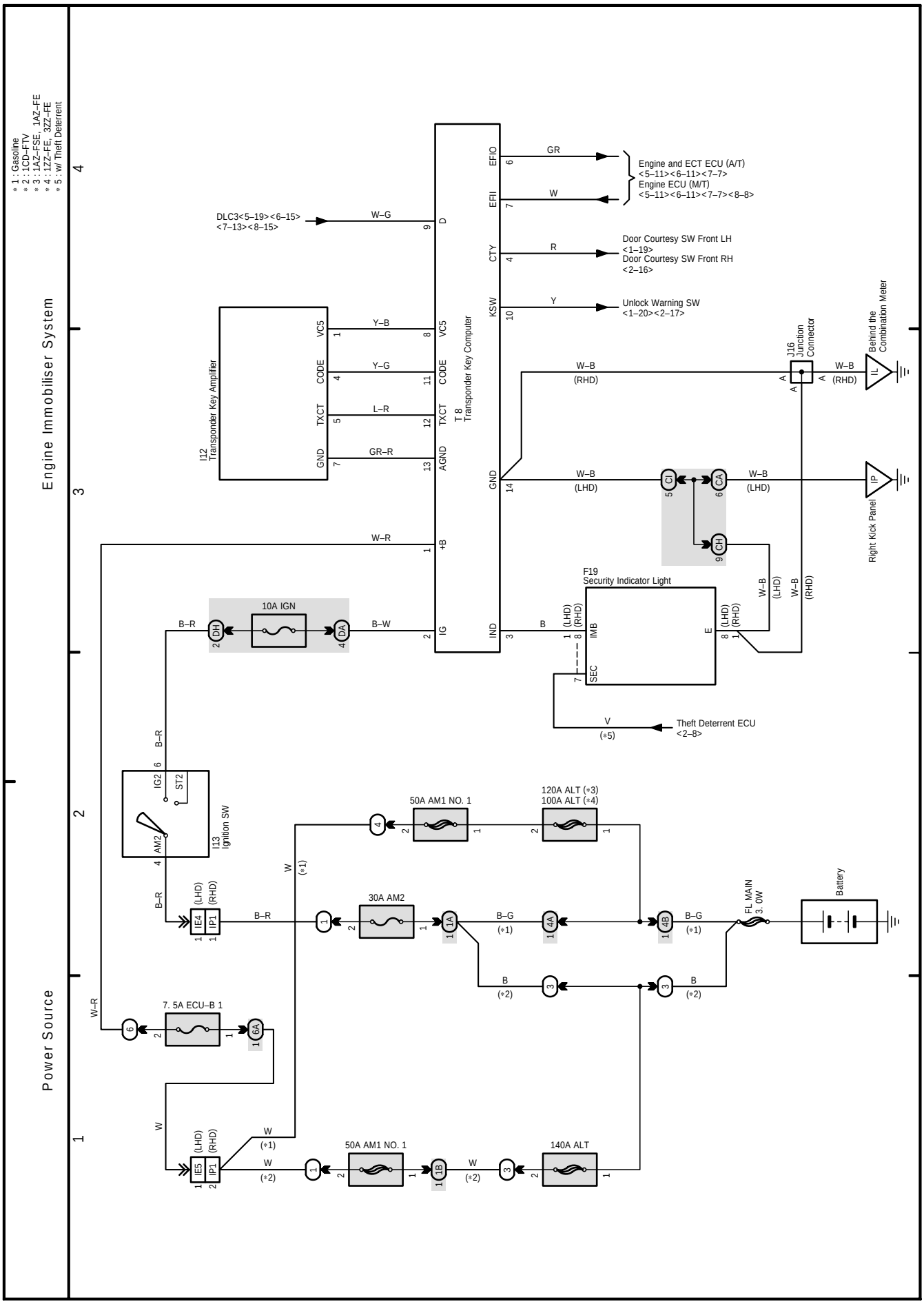
(Cont. next page)

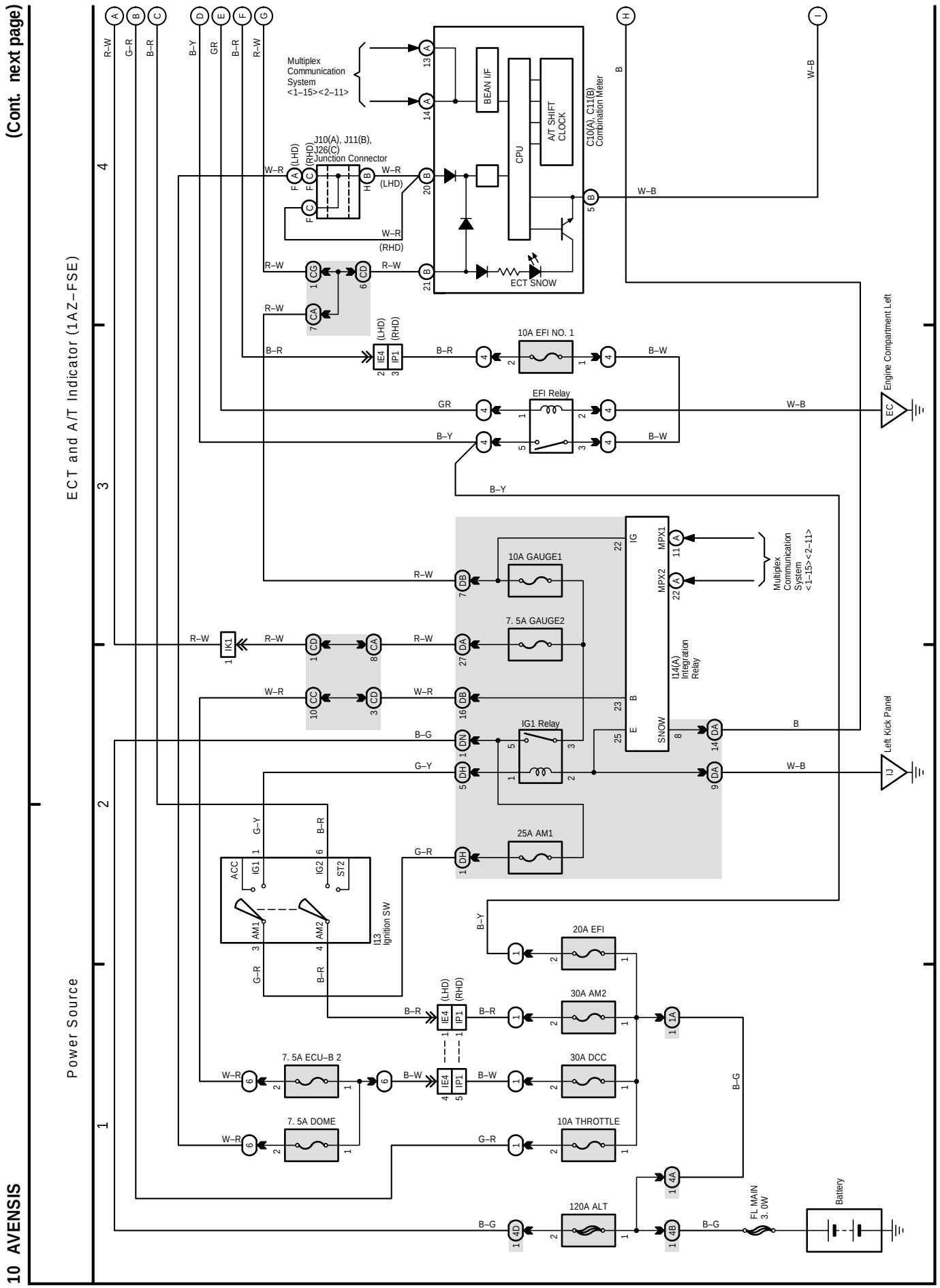



(Cont. next page)
8 AVENSIS (Cont' d)
Engine Control (1CD–FTV)
Combination Meter<42–3>
Skid Control ECU with Actuator<20–7>
Multiplex Communication System<1–15><2–11>
FAN NO. 1 Relay<46–4>
FAN NO. 2 Relay<46–4>
A20 Accel Position Sensor
P 3 Pressure Discharge Valve
I 7 Injector No. 3
I 6 Injector No. 2
I 8 Injector No. 4
I 5 Injector No. 1
F16 Fuel Pressure Sensor
E 4(A), E 5(B) Electronic Driver Unit
MPX2 E 9(A), E10(B), E12(C), E13(D) Engine ECU (M/T)
(Shielded)
W–B
V–W
Y–B (w/ VSC)
B (w/ VSC)
Y (w/ VSC)
L (w/ VSC)
G (w/ VSC)
W
B–R
W–L
R–W
W–R
G–W
R–L
R–B
P–B
P
BR
R–W
G
SP1
NEO
ENG–
ENG+
TRC–
TRC+
FAN
EPA2
VPA2
VCP2
EPA
VPA
VCPA
EP2
EP1
VPA1
VCP1
IG2
EB1
EA1
GND
COM3
PRV
INJ#3
INJ#2
COM2
INJ#4
INJ#1
COM1
BATTERY
#4
#3
#2
#1
PRD
INJF
IJF
IJT#4
IJT#3
IJT#2
IJT#1
PCR2
PCR1
E2S
VCS
PR2
PR
VC
E2
(LHD)
(RHD)

8 AVENSIS (Cont' d)

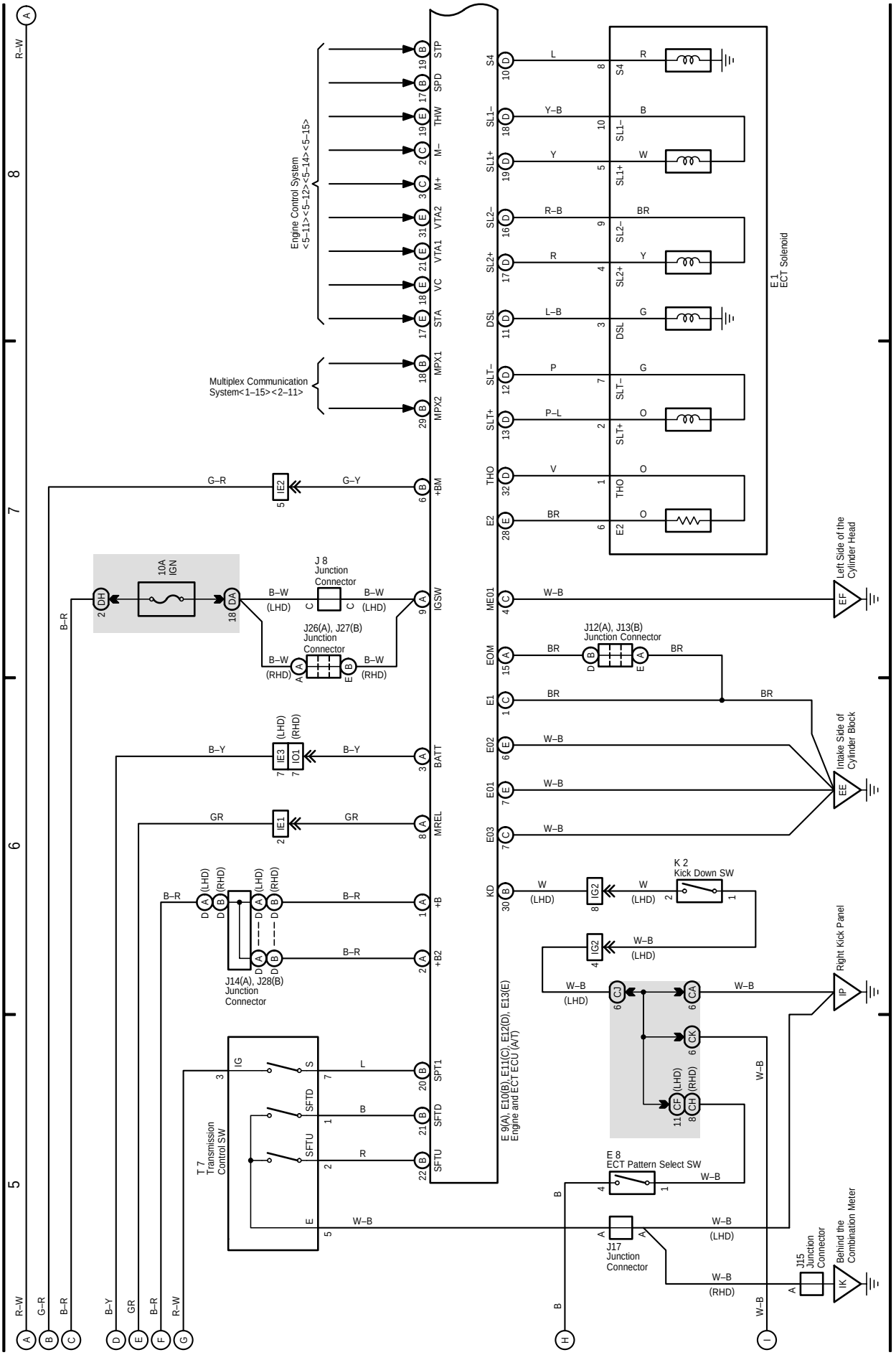


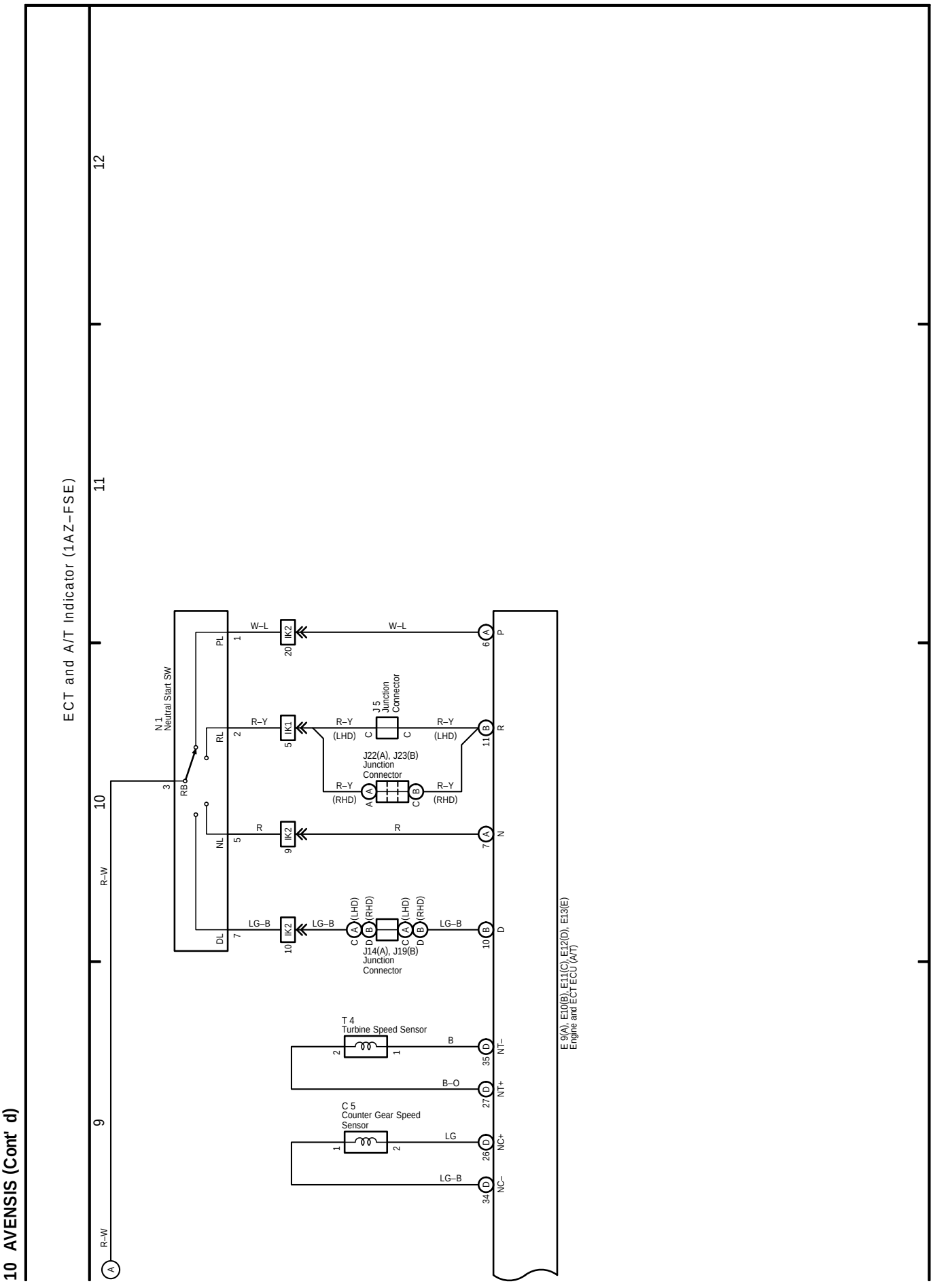

* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : w/ Theft Deterrent
Engine Immobiliser System
Power Source
I12 Transponder Key Amplifier
T 8 Transponder Key Computer
DLC3<5–19><6–15> <7–13><8–15>
Engine and ECT ECU (A/T) <5–11><6–11><7–7>
Engine ECU (M/T) <5–11><6–11><7–7><8–8>
Door Courtesy SW Front LH <1–19>
Door Courtesy SW Front RH <2–16>
Unlock Warning SW <1–20><2–17>
J16 Junction Connector
Behind the Combination Meter
Right Kick Panel
F19 Security Indicator Light
Theft Deterrent ECU <2–8>
10A IGN
I13 Ignition SW
50A AM1 NO. 1
120A ALT (*3) 100A ALT (*4)
30A AM2
7. 5A ECU–B 1
50A AM1 NO. 1
140A ALT
FL MAIN 3. 0W
Battery

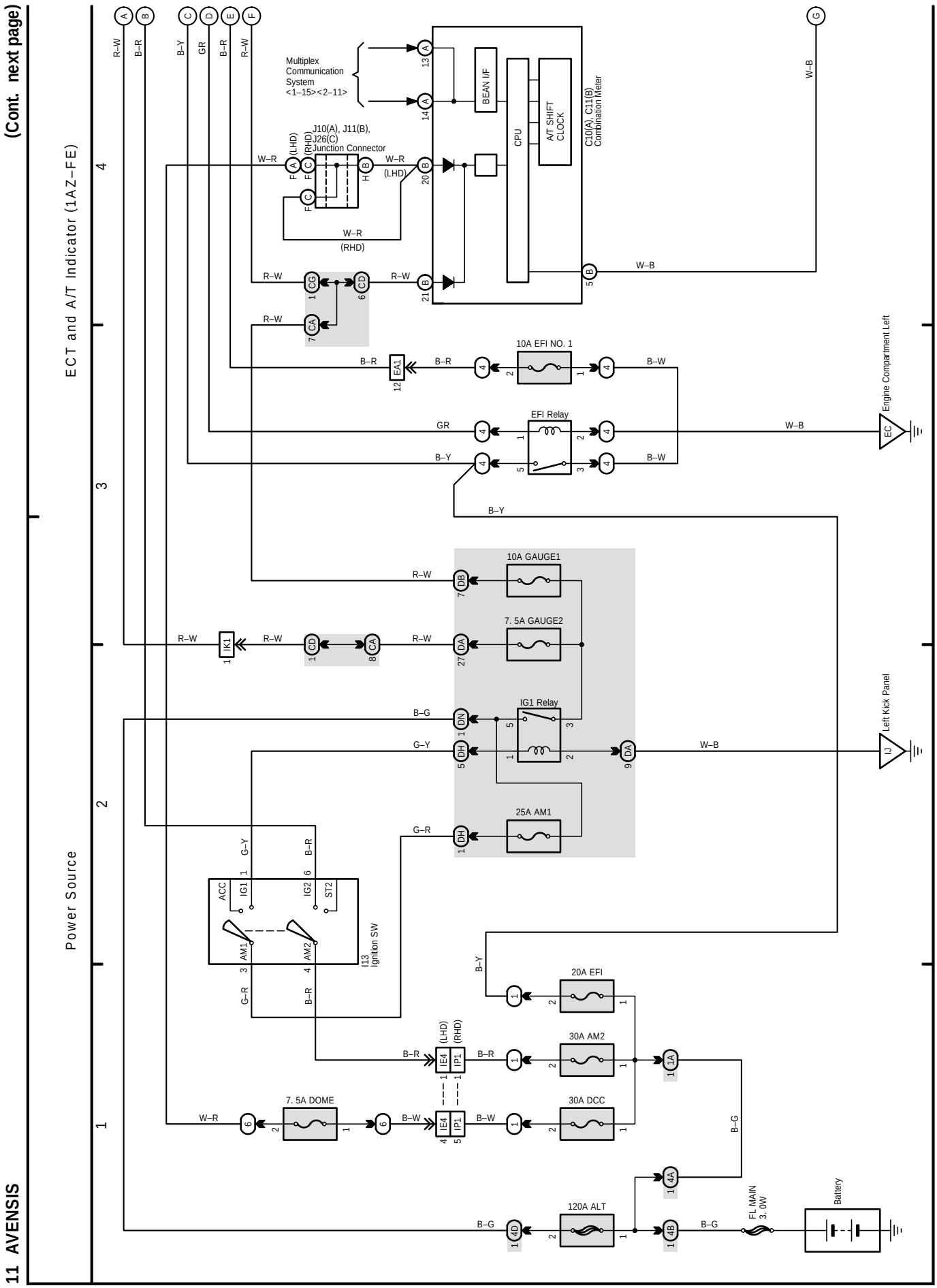

(Cont. next page)
ECT and A/T Indicator (1AZ–FSE)
Power Source
10 AVENSIS
Multiplex Communication System <1–15><2–11>
BEAN I/F
CPU
A/T SHIFT CLOCK
C10(A), C11(B) Combination Meter
J10(A), J11(B), J26(C) Junction Connector
ECT SNOW
10A EFI NO. 1
EFI Relay
Engine Compartment Left
10A GAUGE1
7. 5A GAUGE2
I14(A) Integration Relay
IG1 Relay
Left Kick Panel
25A AM1
I13 Ignition SW
20A EFI
30A AM2
30A DCC
7. 5A ECU–B 2
7. 5A DOME
10A THROTTLE
120A ALT
FL MAIN 3. 0W
Battery

10 AVENSIS (Cont' d)

(Cont. next page)

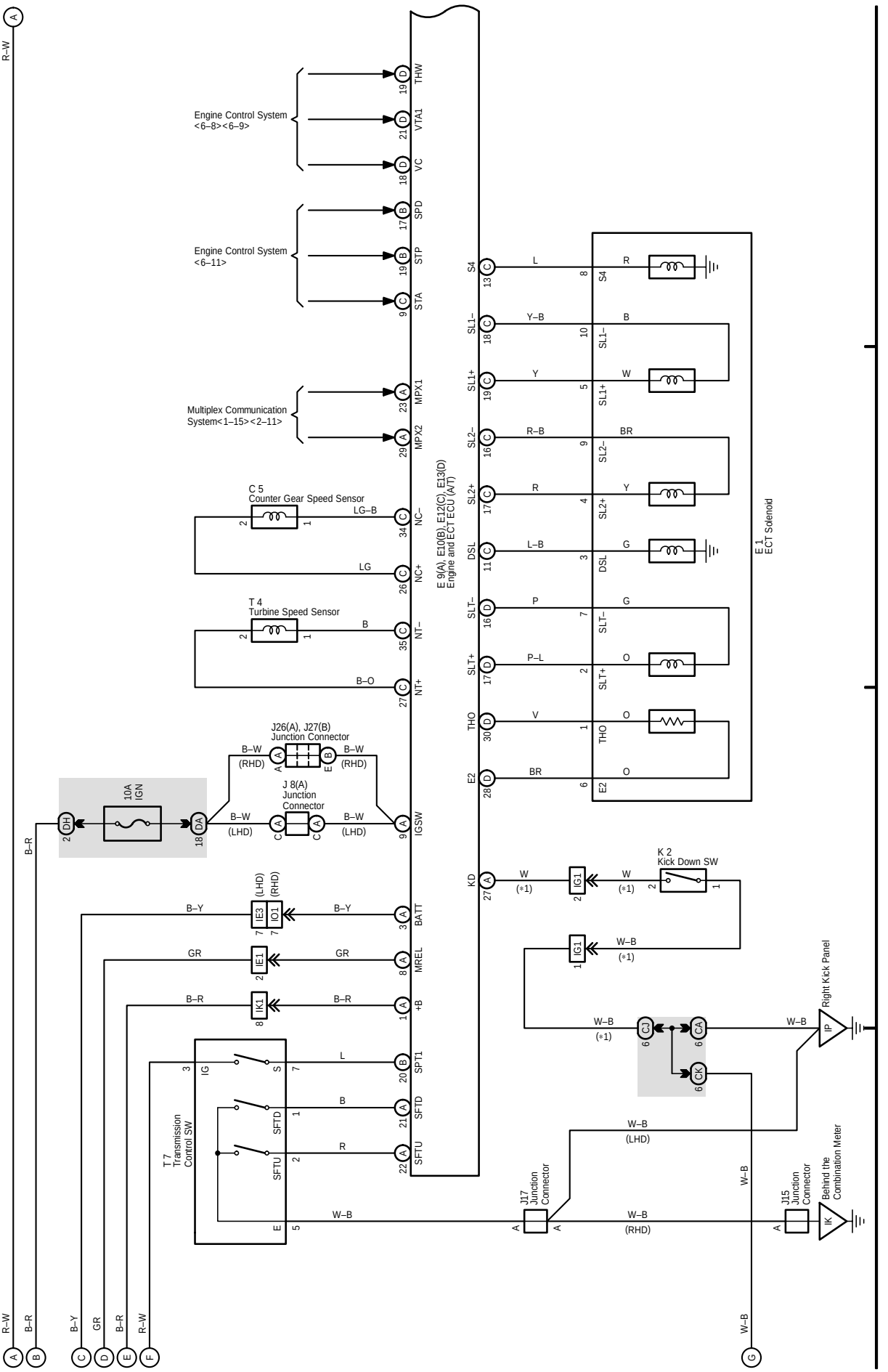


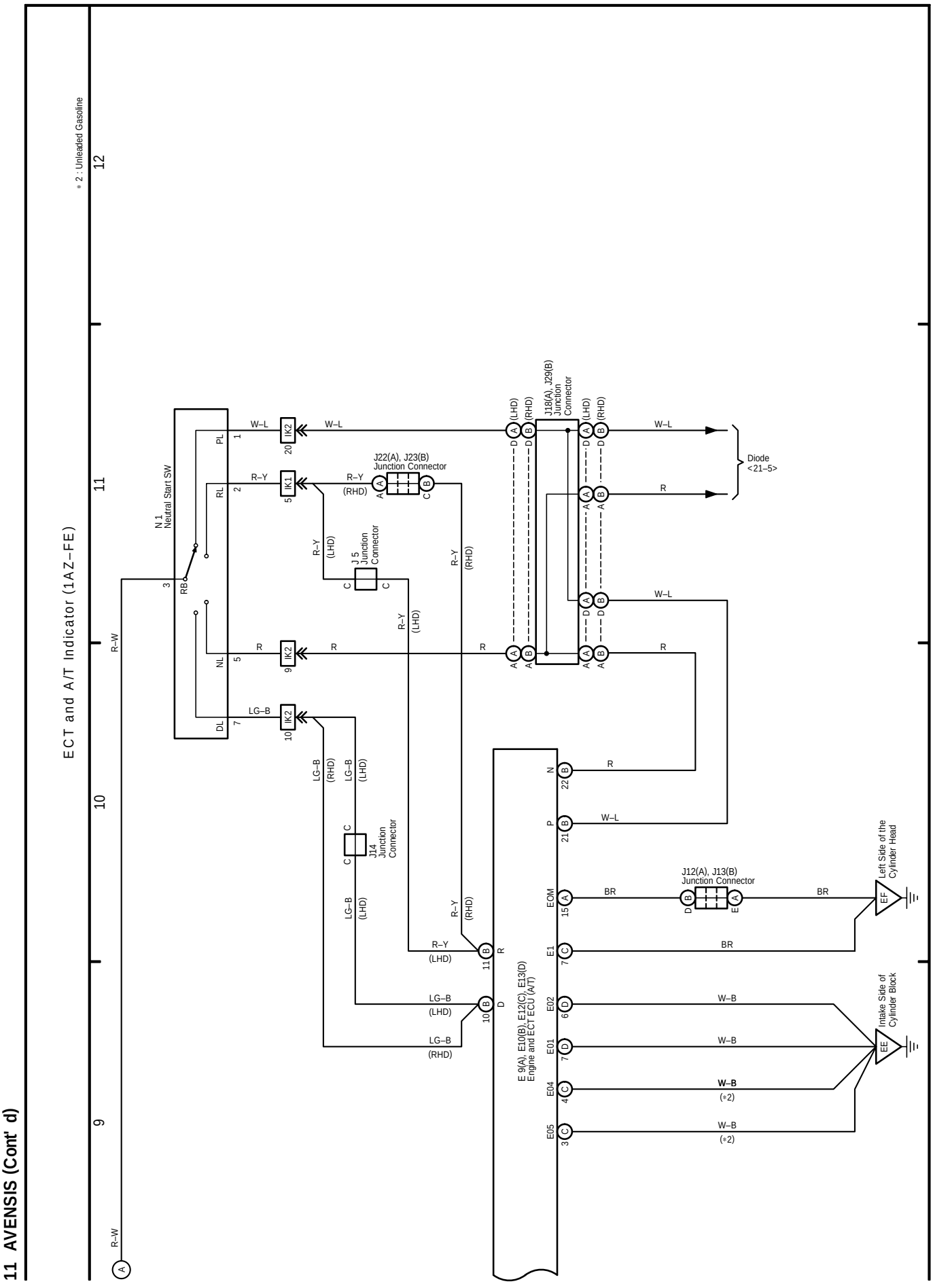

10 AVENSIS (Cont' d)
ECT and A/T Indicator (1AZ–FSE)
12
11
10
9
R–W
N 1
Neutral Start SW
PL
RL
NL
DL
RB
W–L
R–Y
R
LG–B
IK2
IK1
J5
Junction
Connector
J22(A), J23(B)
Junction
Connector
J14(A), J19(B)
Junction
Connector
(LHD)
(RHD)
T 4
Turbine Speed Sensor
C 5
Counter Gear Speed
Sensor
B
B–O
LG
LG–B
NT–
NT+
NC+
NC–
E 9(A), E10(B), E11(C), E12(D), E13(E)
Engine and ECT ECU (A/T)

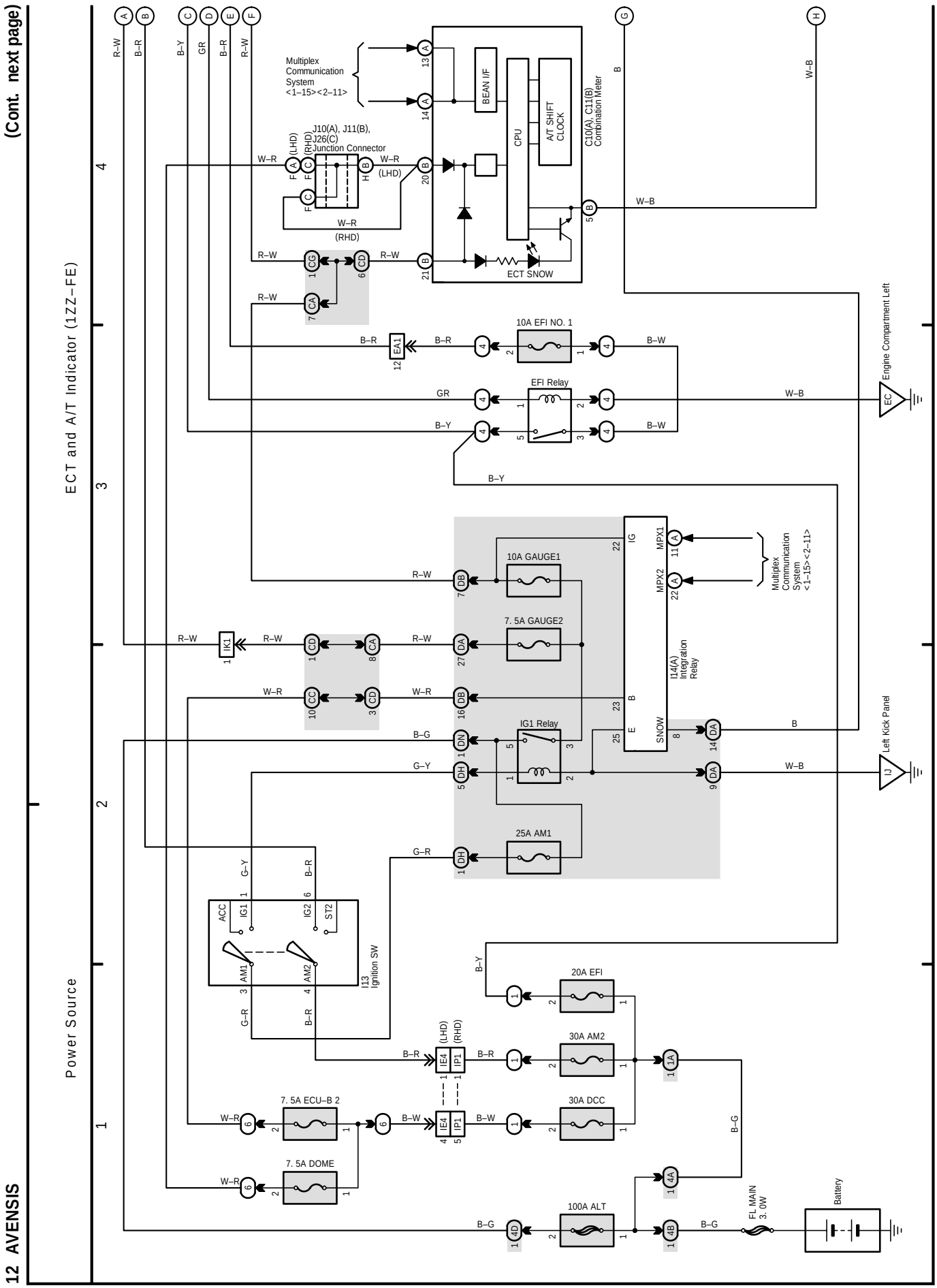

(Cont. next page)
ECT and A/T Indicator (1AZ–FE)
Power Source
11 AVENSIS
Multiplex Communication System <1–15><2–11>
BEAN I/F
CPU
A/T SHIFT CLOCK
C10(A), C11(B) Combination Meter
J10(A), J11(B), J26(C) Junction Connector
(LHD)
(RHD)
W–R
W–B
R–W
B–R
B–Y
GR
B–W
G–Y
B–G
G–R
10A EFI NO. 1
EFI Relay
Engine Compartment Left
EC
10A GAUGE1
7. 5A GAUGE2
IG1 Relay
Left Kick Panel
IJ
25A AM1
I13 Ignition SW
ACC
IG1
IG2
ST2
AM1
AM2
20A EFI
30A AM2
7. 5A DOME
30A DCC
120A ALT
FL MAIN 3. 0W
Battery

11 AVENSIS (Cont' d)

(Cont. next page)

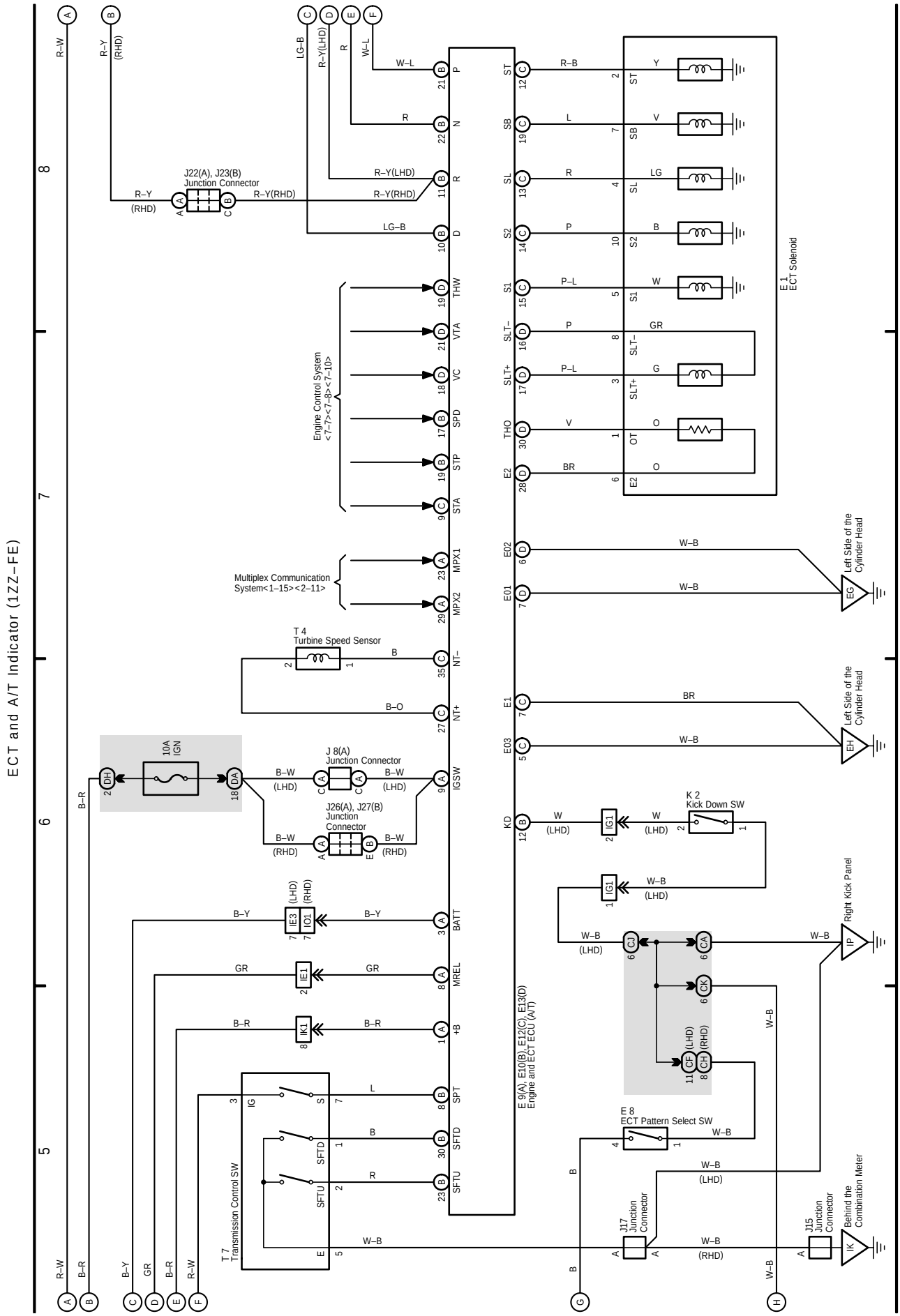


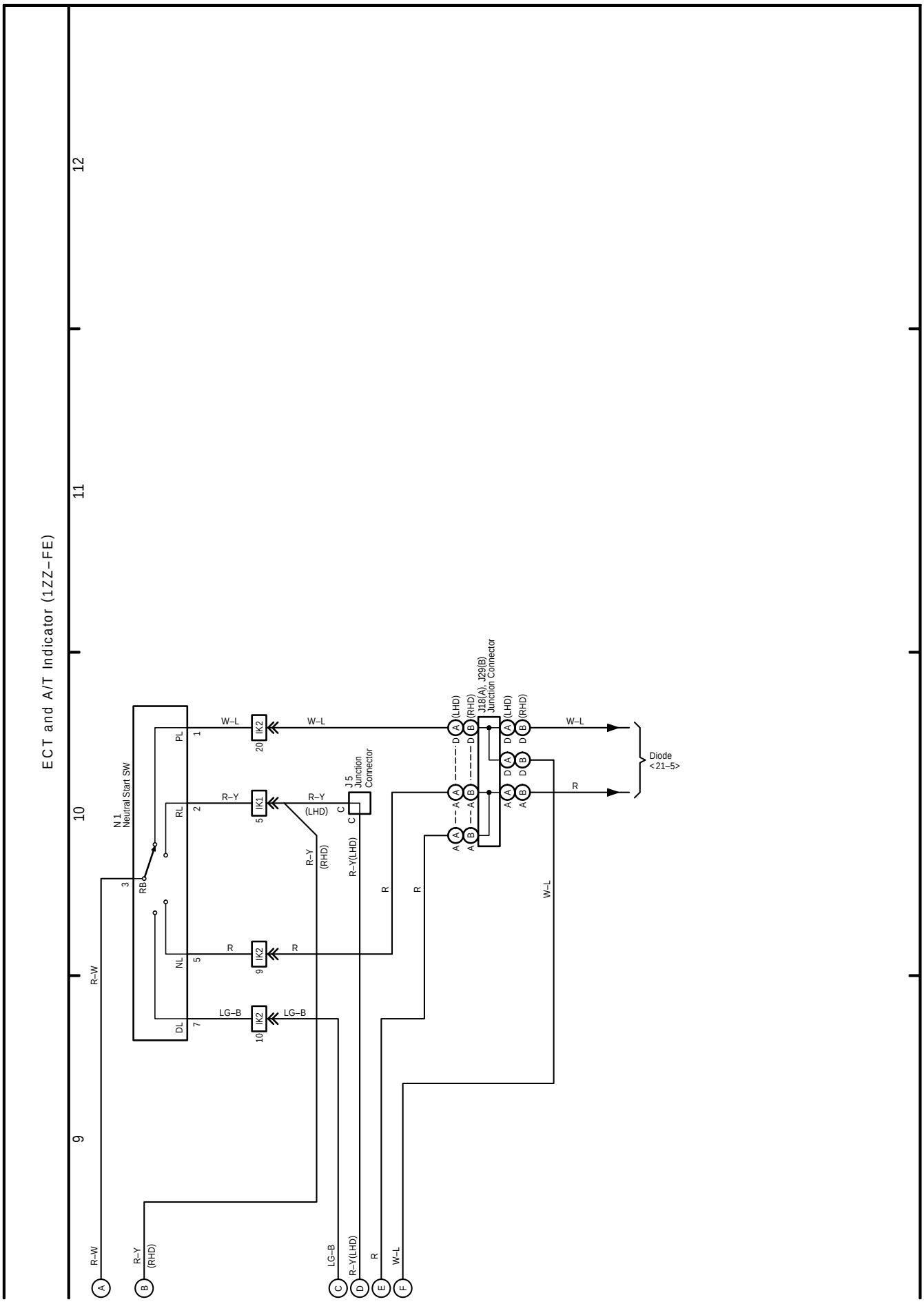

11 AVENSIS (Cont' d)
ECT and A/T Indicator (1AZ–FE)
* 2 : Unleaded Gasoline
12
11
10
9
N 1
Neutral Start SW
IK2
IK1
W–L
R–Y
R
LG–B
R–W
J22(A), J23(B)
Junction Connector
J 5
Junction
Connector
J14
Junction
Connector
J18(A), J29(B)
Junction
Connector
Diode
<21–5>
J12(A), J13(B)
Junction Connector
Left Side of the
Cylinder Head
Intake Side of
Cylinder Block
E 9(A), E10(B), E12(C), E13(D)
Engine and ECT ECU (A/T)
BR
W–B
(*2)
(LHD)
(RHD)

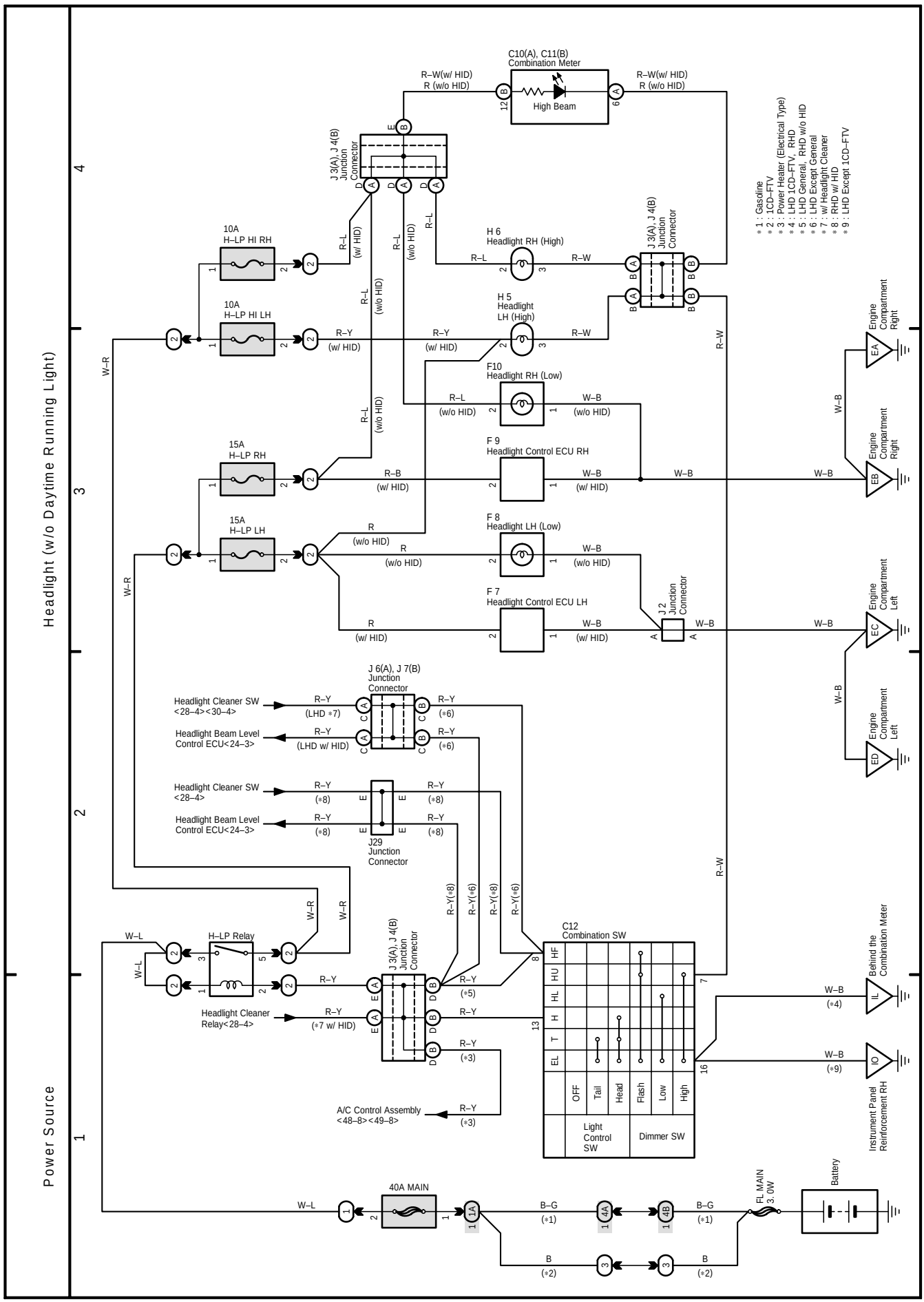

(Cont. next page)
ECT and A/T Indicator (1ZZ–FE)
Power Source
12 AVENSIS
Multiplex Communication System <1–15><2–11>
BEAN I/F
CPU
A/T SHIFT CLOCK
C10(A), C11(B) Combination Meter
J10(A), J11(B), J26(C) Junction Connector
ECT SNOW
10A EFI NO. 1
EFI Relay
Engine Compartment Left
10A GAUGE1
7. 5A GAUGE2
I14(A) Integration Relay
IG1 Relay
25A AM1
Left Kick Panel
I13 Ignition SW
20A EFI
30A AM2
30A DCC
7. 5A ECU–B 2
7. 5A DOME
100A ALT
FL MAIN 3. 0W
Battery

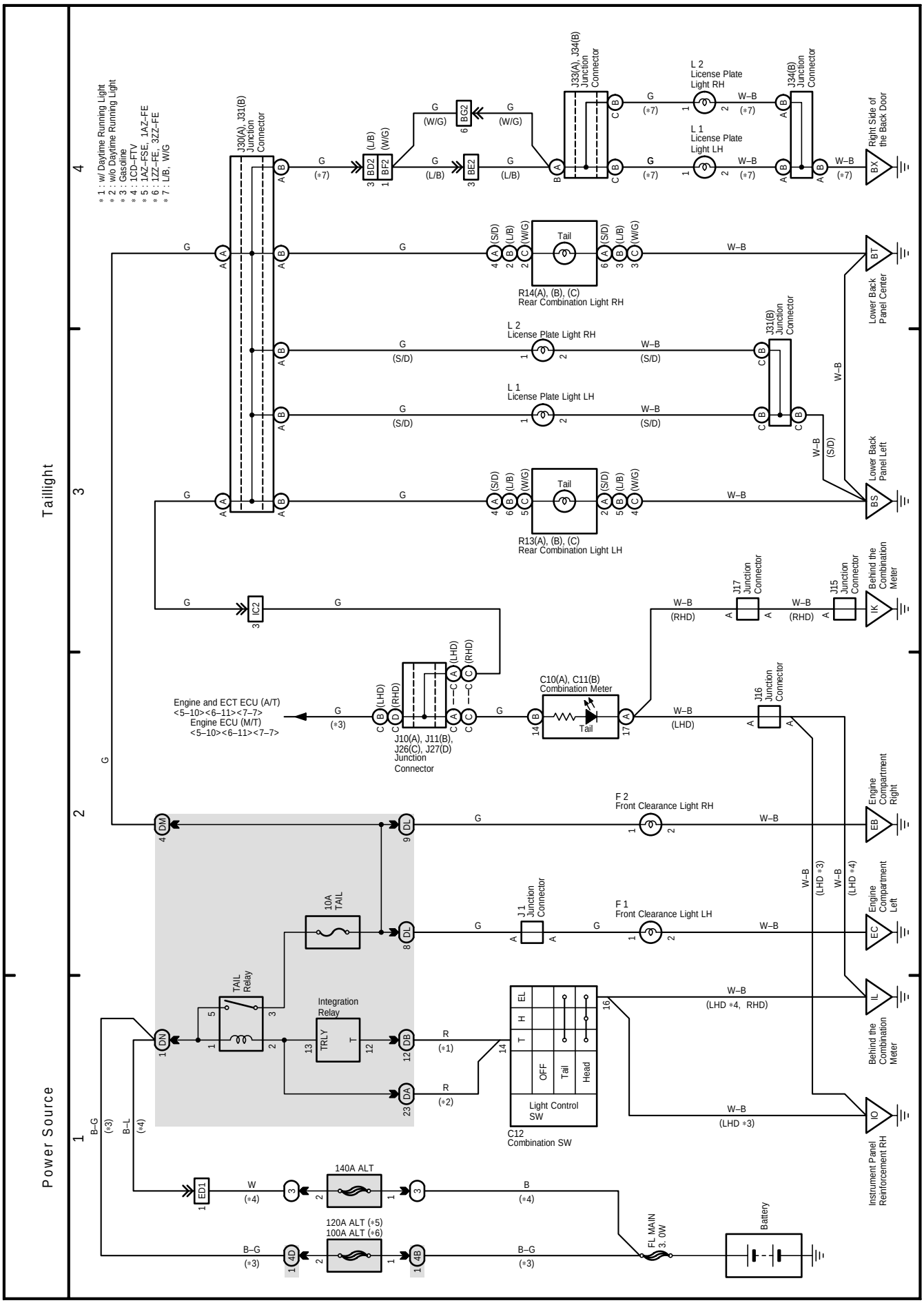
12 AVENSIS (Cont' d)

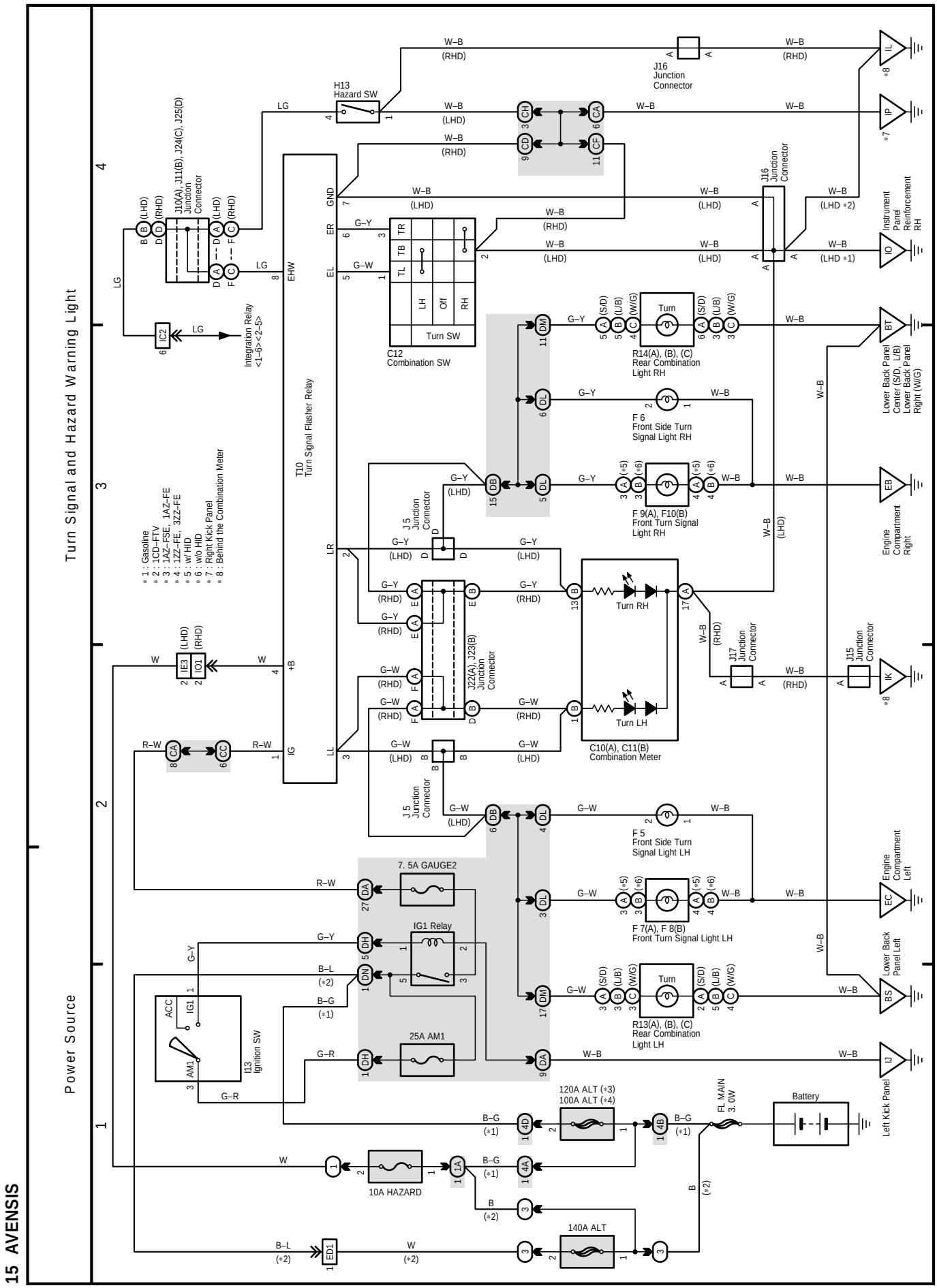
(Cont. next page)

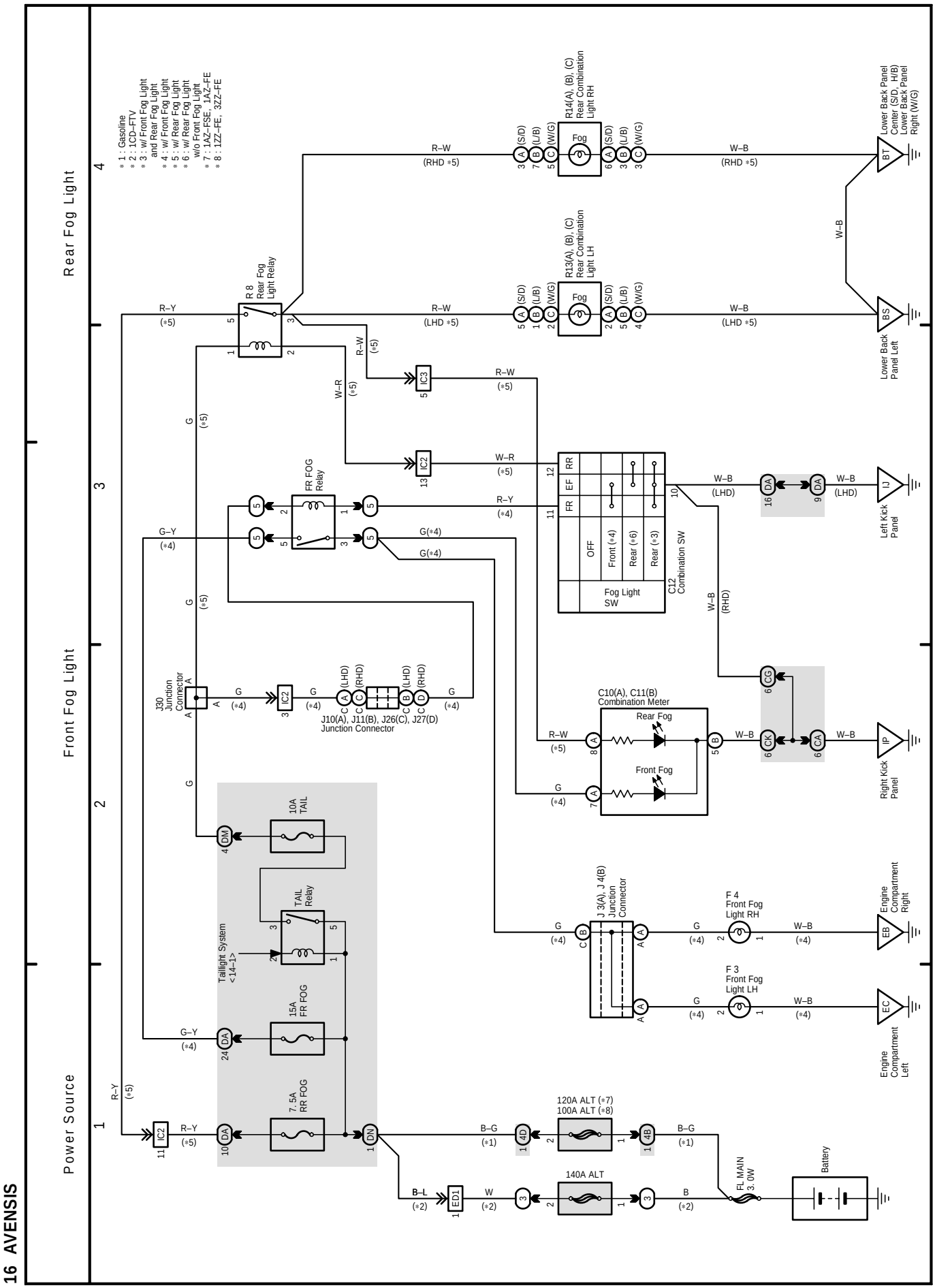


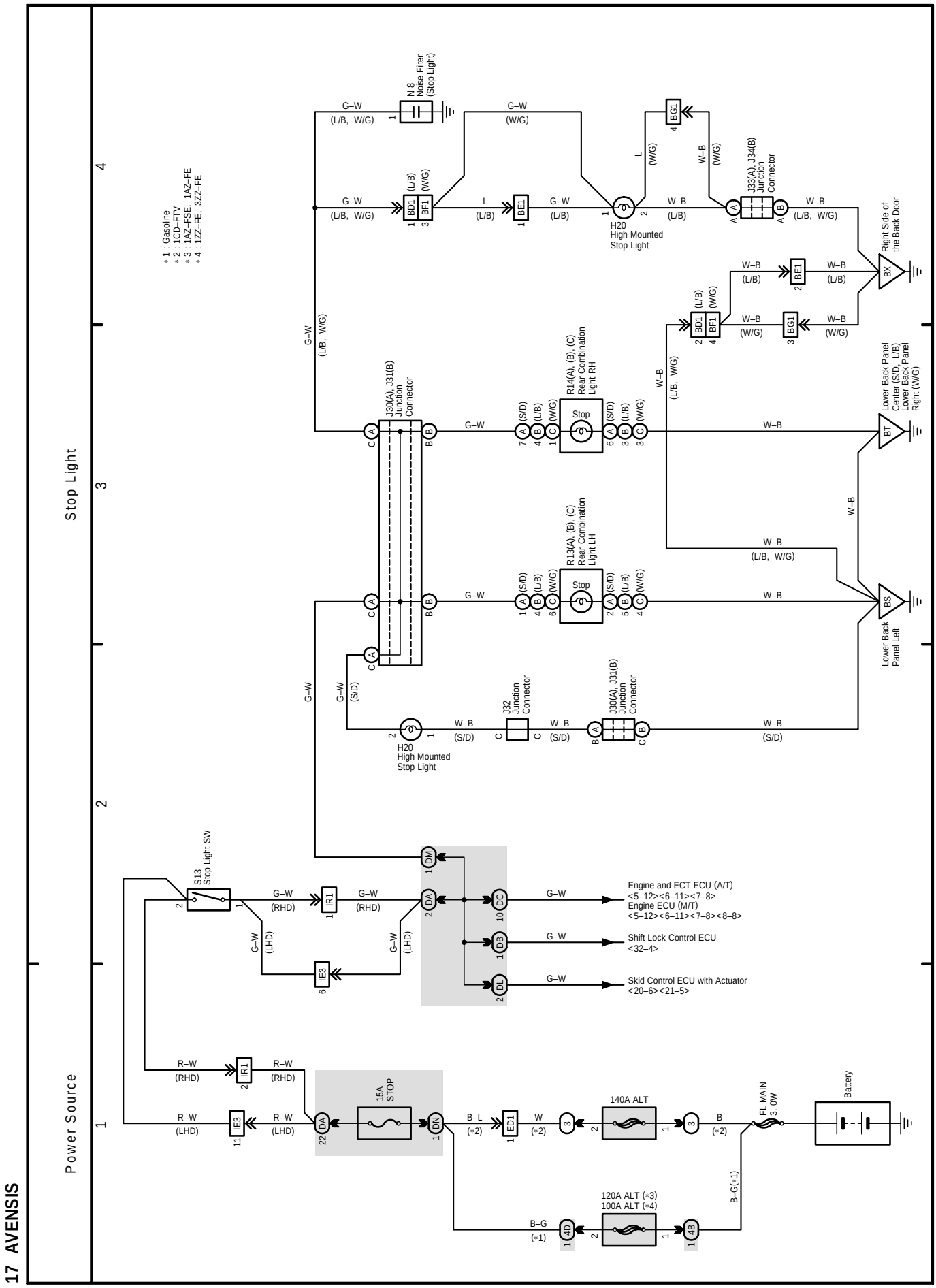

12 AVENSIS (Cont' d)
ECT and A/T Indicator (1ZZ–FE)
9
10
11
12
N 1
Neutral Start SW
J5
Junction
Connector
J18(A), J29(B)
Junction Connector
(LHD)
(RHD)
Diode
<21–5>
IK1
IK2
W–L
R–Y
R–Y
(LHD)
R–Y
(RHD)
R–Y(LHD)
R
LG–B
R–W
RB
PL
RL
NL
DL
A
B
C
D
E
F

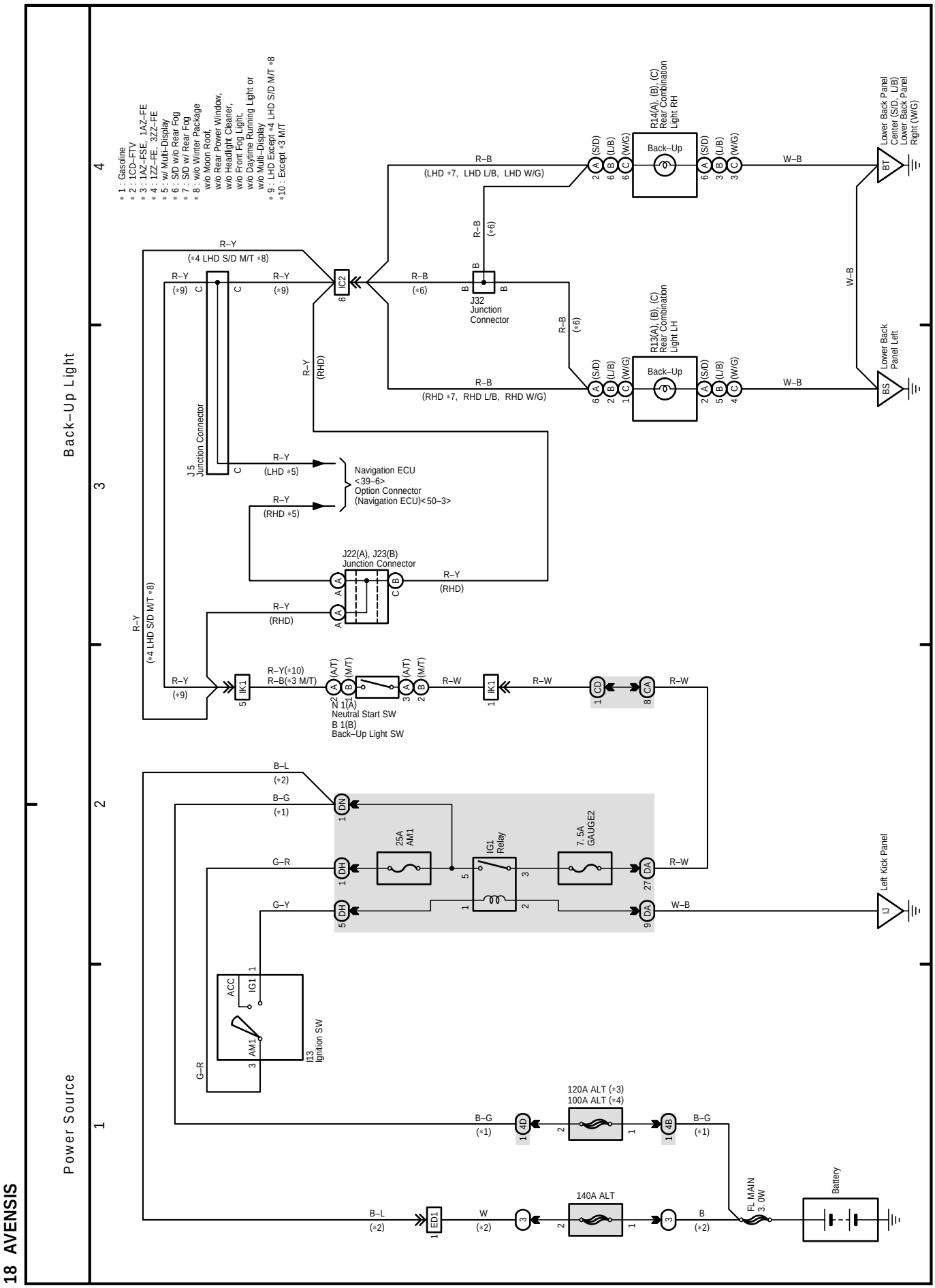

Headlight (w/o Daytime Running Light)
Power Source
C10(A), C11(B)
Combination Meter
High Beam
R–W(w/ HID)
R (w/o HID)
J 3(A), J 4(B)
Junction
Connector
10A
H–LP HI RH
10A
H–LP HI LH
15A
H–LP RH
15A
H–LP LH
H 6
Headlight RH (High)
H 5
Headlight
LH (High)
F10
Headlight RH (Low)
F 9
Headlight Control ECU RH
F 8
Headlight LH (Low)
F 7
Headlight Control ECU LH
J 2
Junction
Connector
Engine
Compartment
Right
Engine
Compartment
Left
J 6(A), J 7(B)
Junction
Connector
Headlight Cleaner SW
<28–4><30–4>
Headlight Beam Level
Control ECU<24–3>
Headlight Cleaner SW
<28–4>
J29
Junction
Connector
H–LP Relay
Headlight Cleaner
Relay<28–4>
C12
Combination SW
Light
Control
SW
Dimmer SW
OFF
Tail
Head
Flash
Low
High
Behind the
Combination Meter
Instrument Panel
Reinforcement RH
A/C Control Assembly
<48–8><49–8>
40A MAIN
FL MAIN
3. 0W
Battery
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : Power Heater (Electrical Type)
* 4 : LHD 1CD–FTV, RHD
* 5 : LHD General, RHD w/o HID
* 6 : LHD Except General
* 7 : w/ Headlight Cleaner
* 8 : RHD w/ HID
* 9 : LHD Except 1CD–FTV

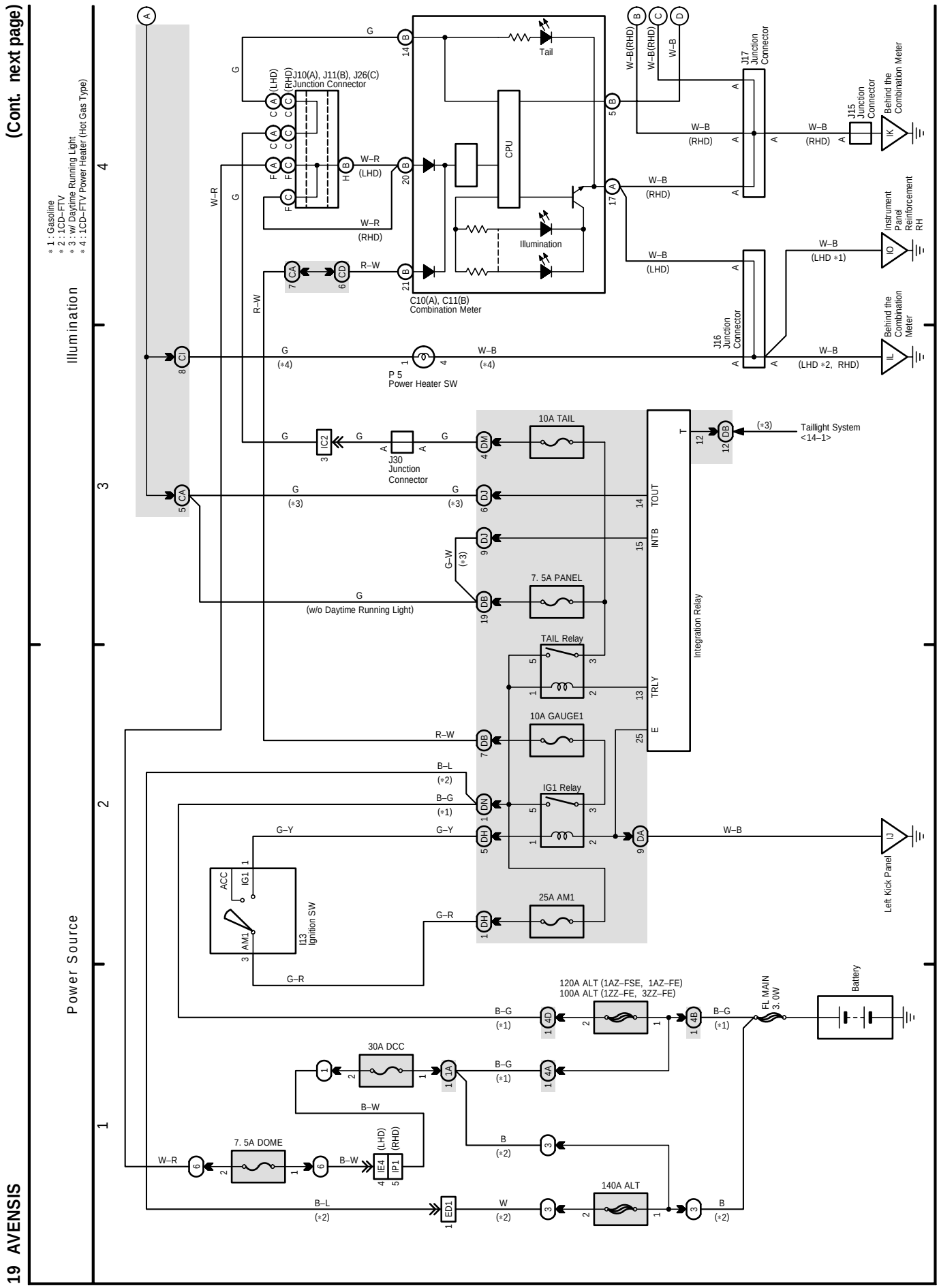

* 1 : w/ Daytime Running Light
* 2 : w/o Daytime Running Light
* 3 : Gasoline
* 4 : 1CD–FTV
* 5 : 1AZ–FSE, 1AZ–FE
* 6 : 1ZZ–FE, 3ZZ–FE
* 7 : L/B, W/G
Taillight
Power Source
J30(A), J31(B) Junction Connector
J33(A), J34(B) Junction Connector
J34(B) Junction Connector
L 2 License Plate Light RH
L 1 License Plate Light LH
Right Side of the Back Door
Tail
R14(A), (B), (C) Rear Combination Light RH
R13(A), (B), (C) Rear Combination Light LH
Lower Back Panel Center
Lower Back Panel Left
J31(B) Junction Connector
J17 Junction Connector
J15 Junction Connector
Behind the Combination Meter
Engine and ECT ECU (A/T) <5–10><6–11><7–7> Engine ECU (M/T) <5–10><6–11><7–7>
J10(A), J11(B), J26(C), J27(D) Junction Connector
C10(A), C11(B) Combination Meter
J16 Junction Connector
F 2 Front Clearance Light RH
F 1 Front Clearance Light LH
Engine Compartment Right
Engine Compartment Left
10A TAIL
J1 Junction Connector
TAIL Relay
Integration Relay
Light Control SW
C12 Combination SW
Instrument Panel Reinforcement RH
140A ALT
120A ALT (*5) 100A ALT (*6)
FL MAIN 3. 0W
Battery

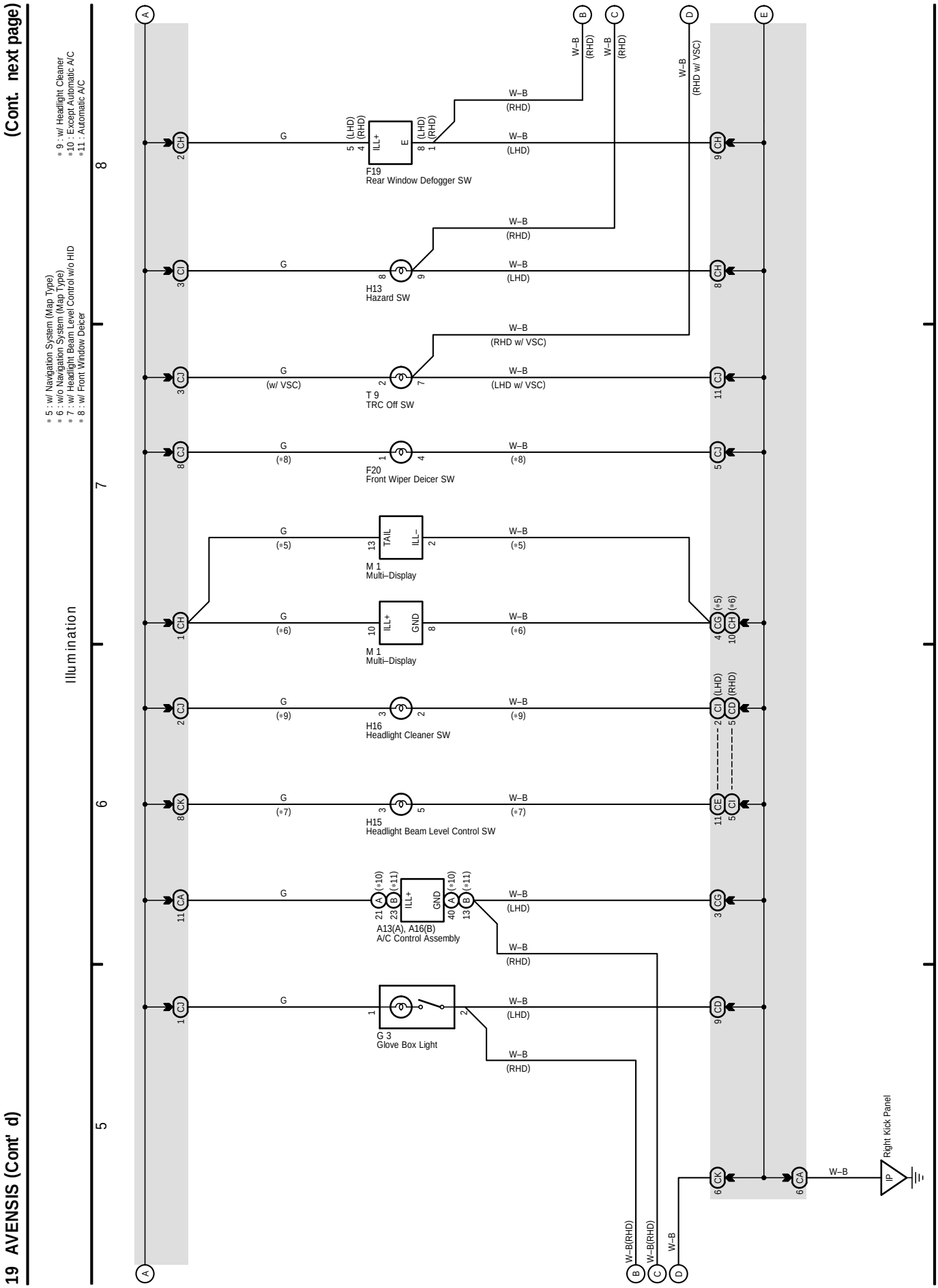

15 AVENSIS
Turn Signal and Hazard Warning Light
Power Source
H13 Hazard SW
J16 Junction Connector
J10(A), J11(B), J24(C), J25(D) Junction Connector
C12 Combination SW
Turn SW
Integration Relay <1–6><2–5>
T10 Turn Signal Flasher Relay
J5 Junction Connector
J22(A), J23(B) Junction Connector
J17 Junction Connector
J15 Junction Connector
C10(A), C11(B) Combination Meter
Turn RH
Turn LH
R14(A), (B), (C) Rear Combination Light RH
R13(A), (B), (C) Rear Combination Light LH
F 6 Front Side Turn Signal Light RH
F 9(A), F10(B) Front Turn Signal Light RH
F 5 Front Side Turn Signal Light LH
F 7(A), F 8(B) Front Turn Signal Light LH
7. 5A GAUGE2
IG1 Relay
25A AM1
I13 Ignition SW
10A HAZARD
120A ALT (*3) 100A ALT (*4)
140A ALT
FL MAIN 3. 0W
Battery
Instrument Panel Reinforcement RH
Lower Back Panel Center (S/D, L/B) Lower Back Panel Right (W/G)
Engine Compartment Right
Engine Compartment Left
Lower Back Panel Left
Left Kick Panel
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : w/ HID
* 6 : w/o HID
* 7 : Right Kick Panel
* 8 : Behind the Combination Meter

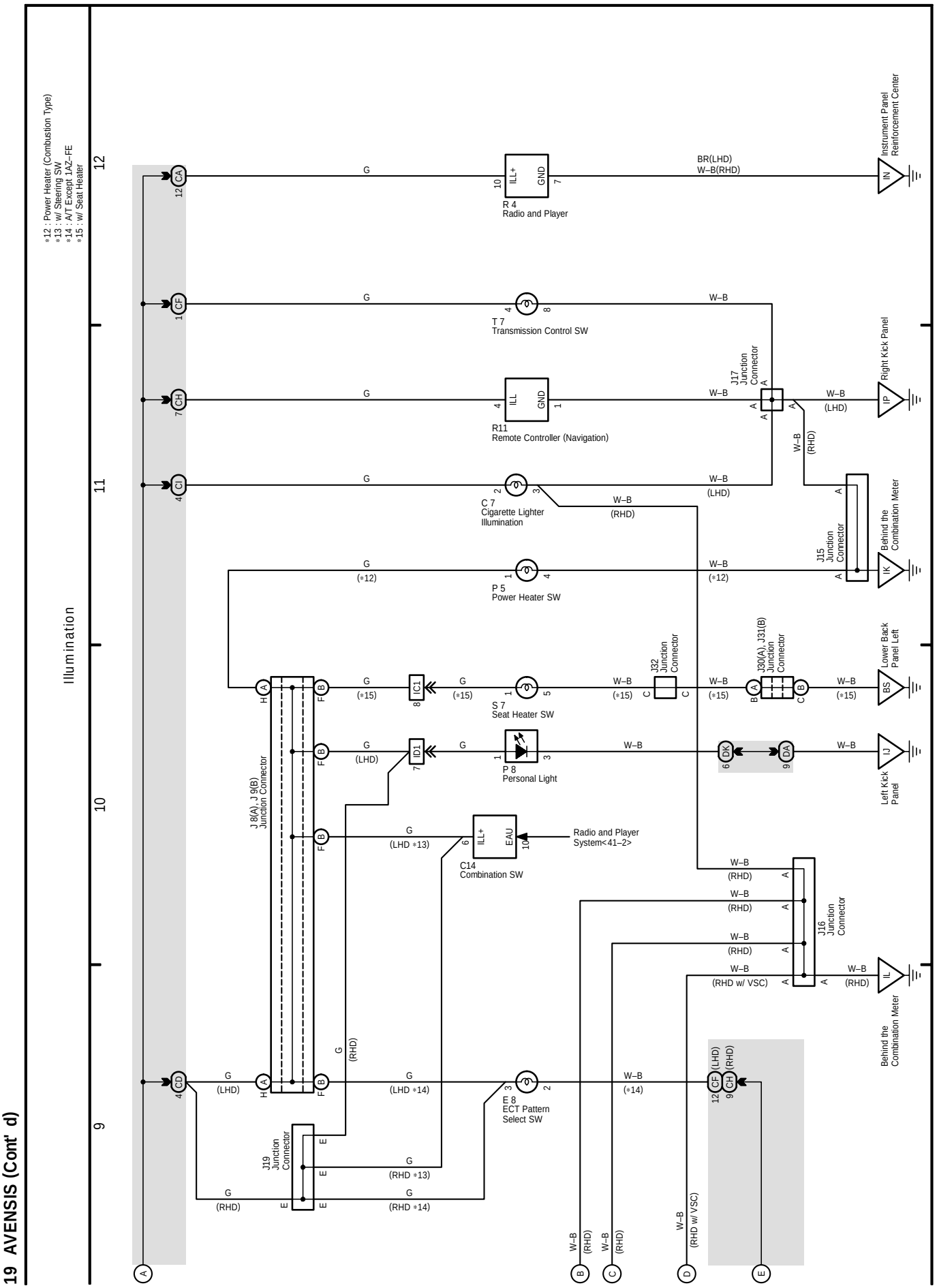

Rear Fog Light
Front Fog Light
Power Source
1 : Gasoline
2 : 1CD–FTV
3 : w/ Front Fog Light and Rear Fog Light
4 : w/ Front Fog Light
5 : w/ Rear Fog Light
6 : w/ Rear Fog Light w/o Front Fog Light
7 : 1AZ–FSE, 1AZ–FE
8 : 1ZZ–FE, 3ZZ–FE
R 8 Rear Fog Light Relay
FR FOG Relay
TAIL Relay
R14(A), (B), (C) Rear Combination Light RH
R13(A), (B), (C) Rear Combination Light LH
C12 Combination SW
Fog Light SW
OFF
Front (*4)
Rear (*6)
Rear (*3)
C10(A), C11(B) Combination Meter
Rear Fog
Front Fog
J30 Junction Connector
J10(A), J11(B), J26(C), J27(D) Junction Connector
J 3(A), J 4(B) Junction Connector
F 4 Front Fog Light RH
F 3 Front Fog Light LH
Lower Back Panel Center (S/D, H/B) Lower Back Panel Right (W/G)
Lower Back Panel Left
Left Kick Panel
Right Kick Panel
Engine Compartment Right
Engine Compartment Left
Taillight System <14–1>
10A TAIL
15A FR FOG
7.5A RR FOG
120A ALT (*7) 100A ALT (*8)
140A ALT
FL MAIN 3.0W
Battery

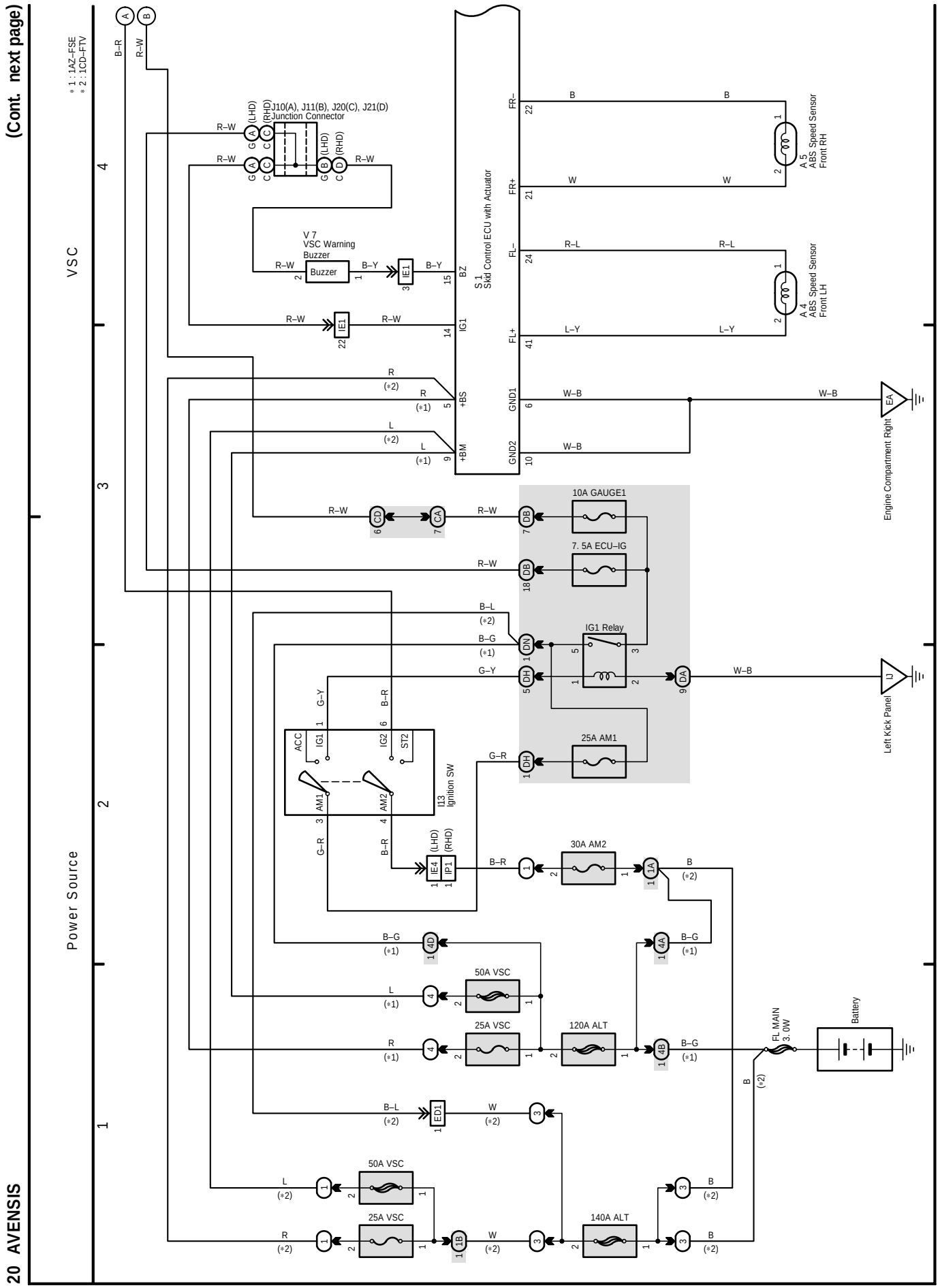

17 AVENSIS
Power Source
Stop Light
1
2
3
4
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
N 8 Noise Filter (Stop Light)
H20 High Mounted Stop Light
J33(A), J34(B) Junction Connector
Right Side of the Back Door
J30(A), J31(B) Junction Connector
R14(A), (B), (C) Rear Combination Light RH
R13(A), (B), (C) Rear Combination Light LH
Stop
Lower Back Panel Center (S/D, L/B) Lower Back Panel Right (W/G)
Lower Back Panel Left
J32 Junction Connector
S13 Stop Light SW
Engine and ECT ECU (A/T) <5–12><6–11><7–8> Engine ECU (M/T) <5–12><6–11><7–8><8–8>
Shift Lock Control ECU <32–4>
Skid Control ECU with Actuator <20–6><21–5>
15A STOP
140A ALT
120A ALT (*3) 100A ALT (*4)
FL MAIN 3. 0W
Battery


Back–Up Light
Power Source
18 AVENSIS
*1 : Gasoline
*2 : 1CD–FTV
*3 : 1AZ–FSE, 1AZ–FE
*4 : 1ZZ–FE, 3ZZ–FE
*5 : w/ Multi–Display
*6 : S/D w/o Rear Fog
*7 : S/D w/ Rear Fog
*8 : w/o Winter Package w/o Moon Roof, w/o Rear Power Window, w/o Headlight Cleaner, w/o Front Fog Light, w/o Daytime Running Light or w/o Multi–Display
*9 : LHD Except *4 LHD S/D M/T *8
*10 : Except *3 M/T
R14(A), (B), (C) Rear Combination Light RH
R13(A), (B), (C) Rear Combination Light LH
Back–Up
Lower Back Panel Center (S/D, L/B) Lower Back Panel Right (W/G)
Lower Back Panel Left
Left Kick Panel
IC2
J32 Junction Connector
J5 Junction Connector
Navigation ECU <39–6> Option Connector (Navigation ECU)<50–3>
J22(A), J23(B) Junction Connector
IK1
CD
CA
DN
DH
DA
25A AM1
IG1 Relay
7. 5A GAUGE2
ACC
IG1
AM1
I13 Ignition SW
Neutral Start SW
Back–Up Light SW
4D
4B
120A ALT (*3) 100A ALT (*4)
140A ALT
ED1
FL MAIN 3. 0W
Battery
R–Y
R–B
B–L
B–G
G–R
G–Y
R–W
W–B
W
B

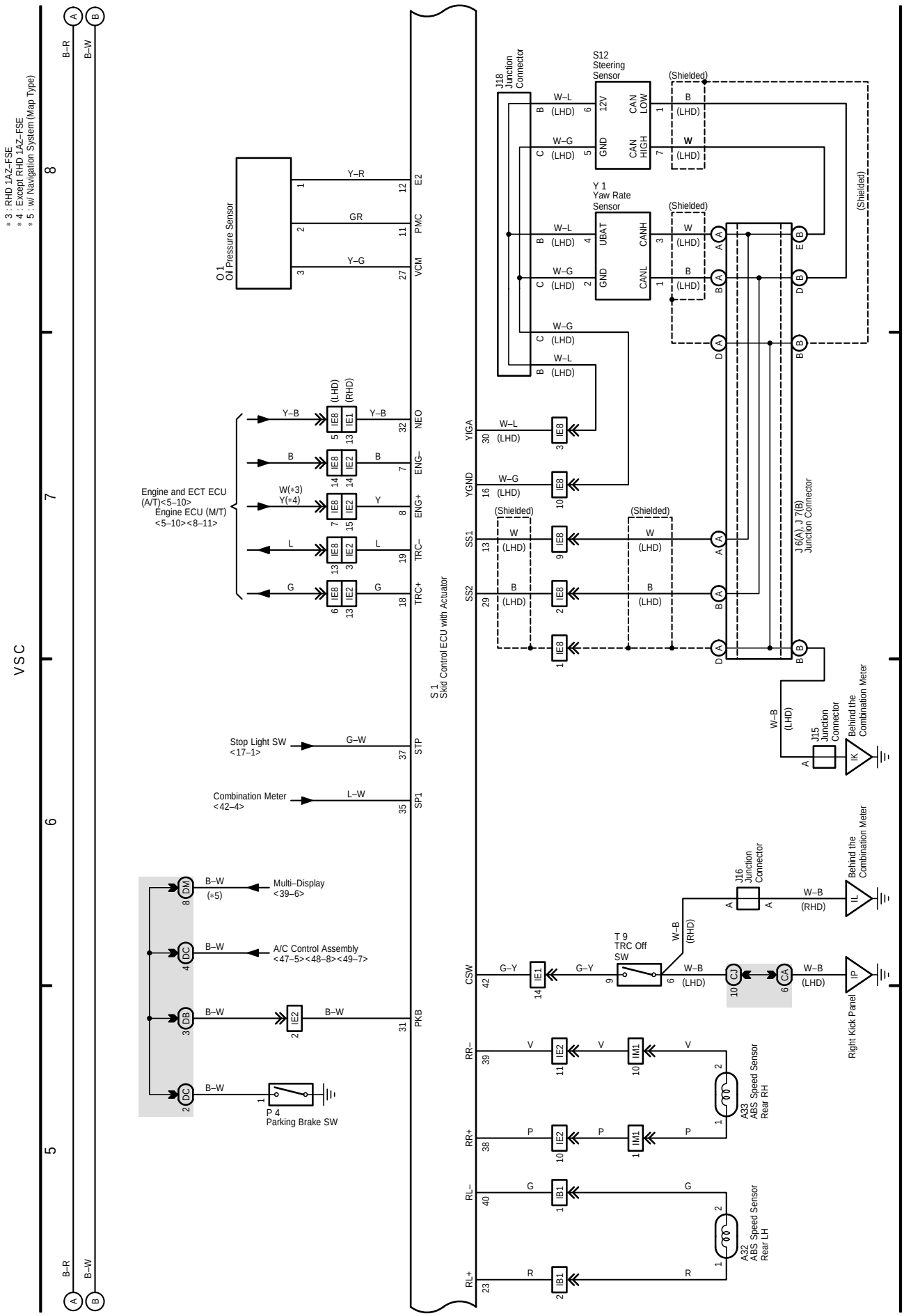

(Cont. next page)
Illumination
Power Source
19 AVENSIS
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : w/ Daytime Running Light
* 4 : 1CD–FTV Power Heater (Hot Gas Type)
J10(A), J11(B), J26(C) Junction Connector
C10(A), C11(B) Combination Meter
CPU
Tail
Illumination
J17 Junction Connector
J15 Junction Connector
Behind the Combination Meter
Instrument Panel Reinforcement RH
J16 Junction Connector
P 5 Power Heater SW
J30 Junction Connector
10A TAIL
7. 5A PANEL
TAIL Relay
10A GAUGE1
IG1 Relay
25A AM1
Integration Relay
TOUT
INTB
TRLY
Taillight System <14–1>
Left Kick Panel
I13 Ignition SW
ACC
IG1
AM1
120A ALT (1AZ–FSE, 1AZ–FE)
100A ALT (1ZZ–FE, 3ZZ–FE)
140A ALT
FL MAIN 3. 0W
Battery
30A DCC
7. 5A DOME
(w/o Daytime Running Light)
(LHD)
(RHD)
(LHD *1)
(LHD *2, RHD)

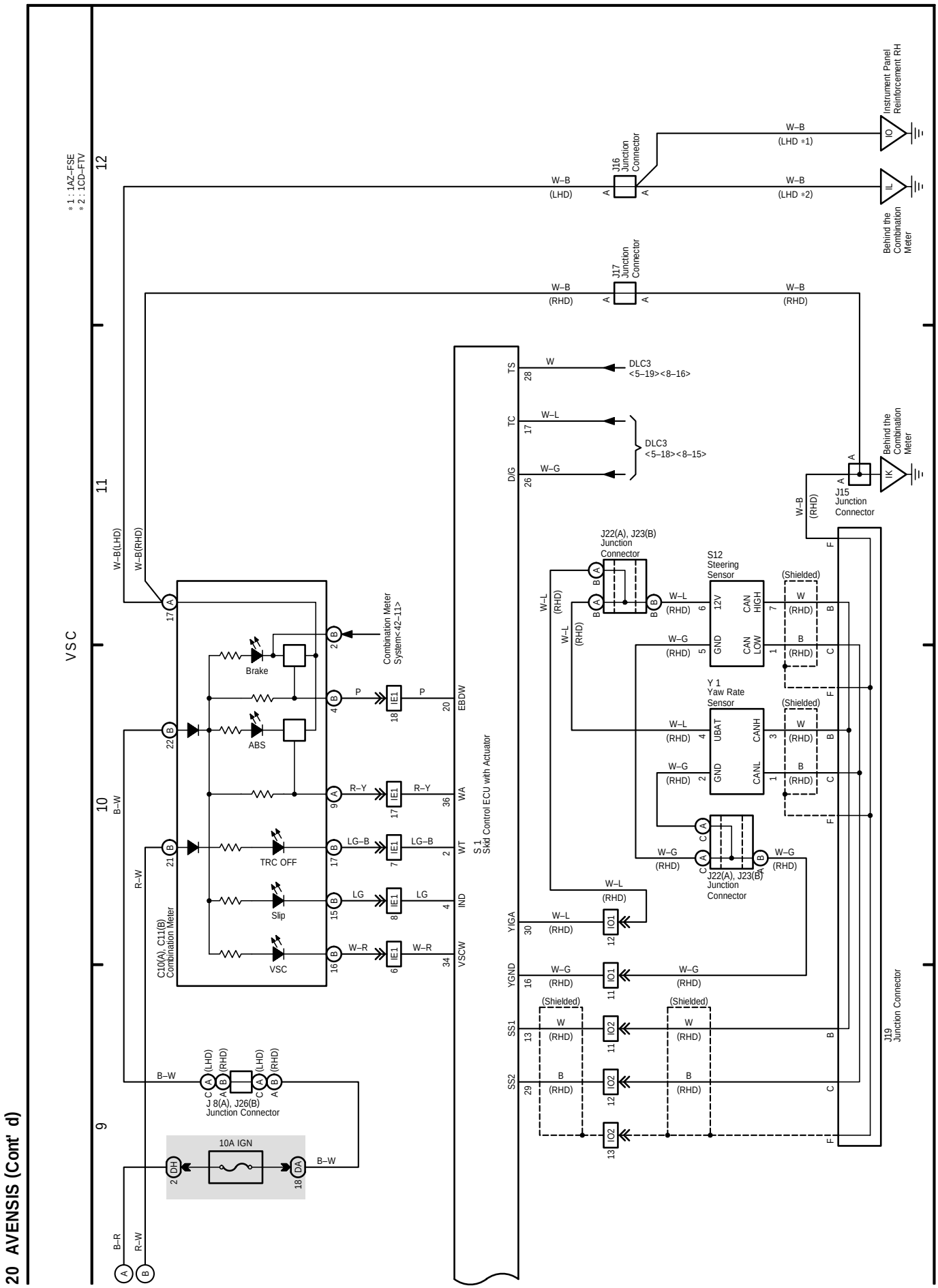

19 AVENSIS (Cont' d)
(Cont. next page)
Illumination
* 5 : w/ Navigation System (Map Type)
* 6 : w/o Navigation System (Map Type)
* 7 : w/ Headlight Beam Level Control w/o HID
* 8 : w/ Front Window Deicer
* 9 : w/ Headlight Cleaner
*10 : Except Automatic A/C
*11 : Automatic A/C
F19
Rear Window Defogger SW
H13
Hazard SW
T 9
TRC Off SW
F20
Front Wiper Deicer SW
M 1
Multi–Display
M 1
Multi–Display
H16
Headlight Cleaner SW
H15
Headlight Beam Level Control SW
A13(A), A16(B)
A/C Control Assembly
G 3
Glove Box Light
Right Kick Panel
W–B
W–B (RHD)
W–B (LHD)
W–B (RHD w/ VSC)
W–B (LHD w/ VSC)
W–B (*5)
W–B (*6)
W–B (*7)
W–B (*8)
W–B (*9)
W–B (*10)
W–B (*11)
W–B(RHD)
G
G (w/ VSC)
G (*5)
G (*6)
G (*7)
G (*8)
G (*9)
G (*10)
G (*11)

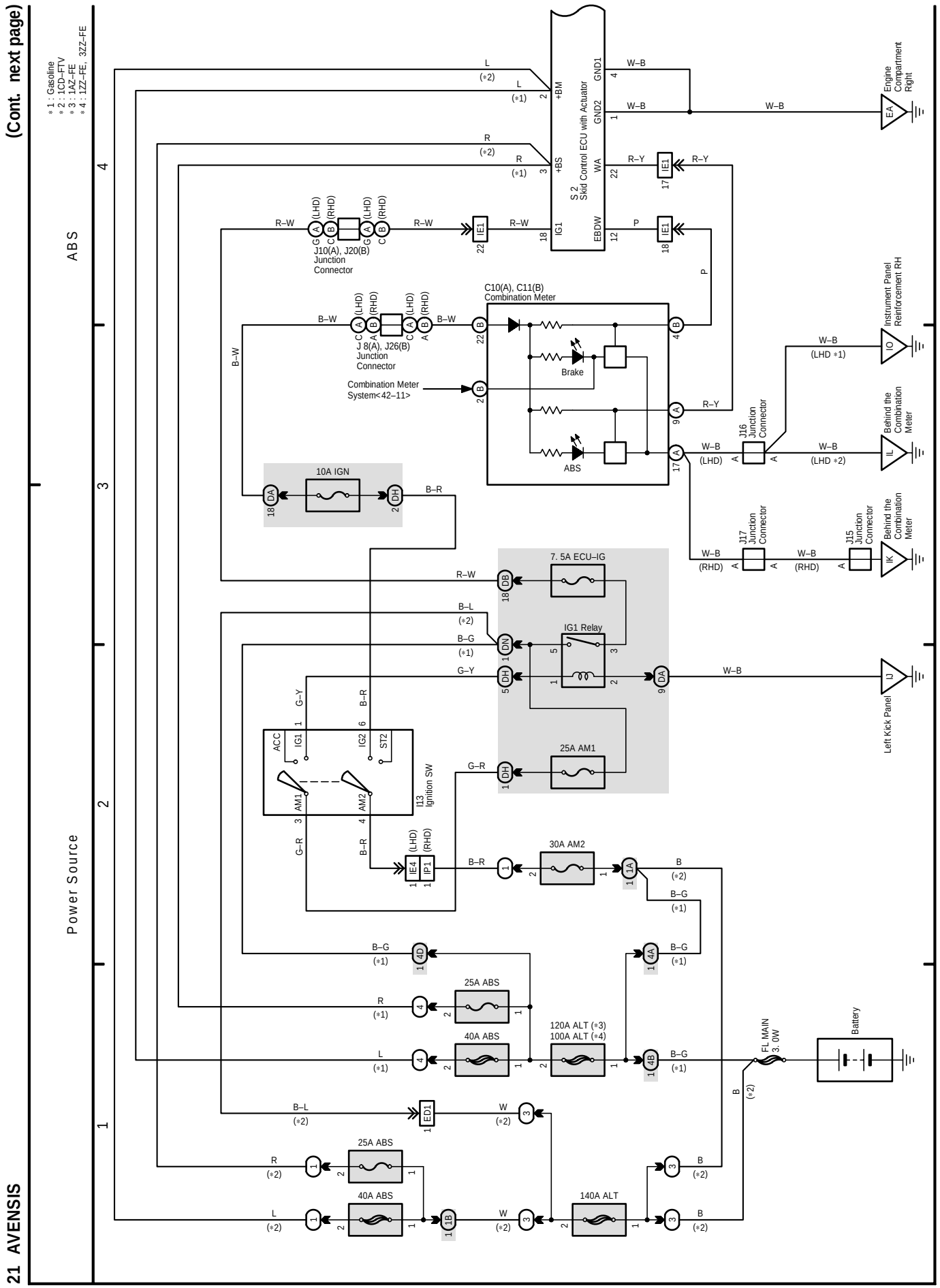

19 AVENSIS (Cont' d)
Illumination
∗12 : Power Heater (Combustion Type)
∗13 : w/ Steering SW
∗14 : A/T Except 1AZ–FE
∗15 : w/ Seat Heater
R 4
Radio and Player
Instrument Panel Reinforcement Center
T 7
Transmission Control SW
R11
Remote Controller (Navigation)
J17 Junction Connector
Right Kick Panel
C 7
Cigarette Lighter Illumination
J15 Junction Connector
Behind the Combination Meter
P 5
Power Heater SW
S 7
Seat Heater SW
J32 Junction Connector
J30(A), J31(B) Junction Connector
Lower Back Panel Left
P 8
Personal Light
Left Kick Panel
J 8(A), J 9(B) Junction Connector
C14
Combination SW
Radio and Player System<41–2>
J16 Junction Connector
E 8
ECT Pattern Select SW
J19 Junction Connector
(LHD)
(RHD)
(RHD w/ VSC)

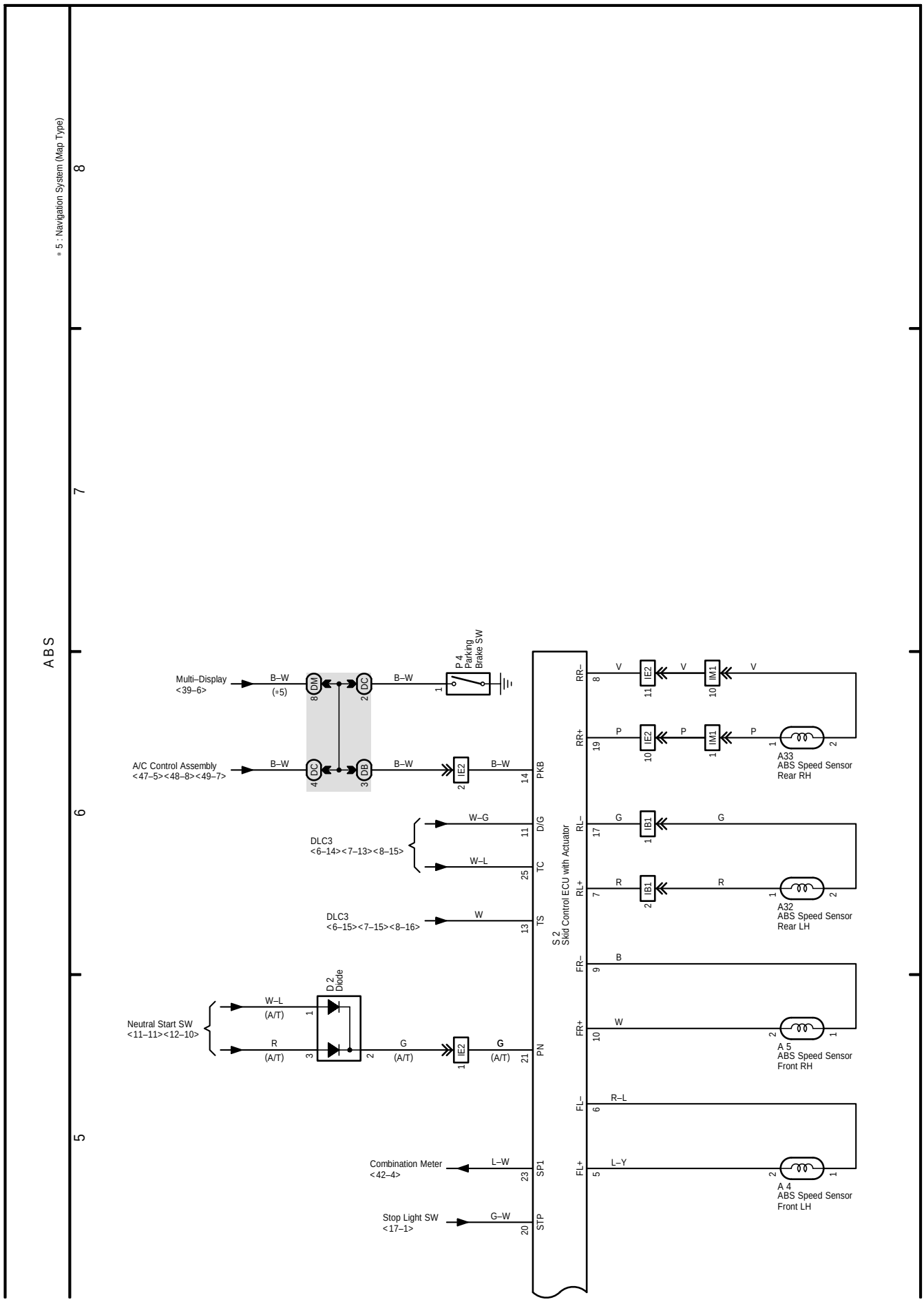

(Cont. next page)
* 1 : 1AZ–FSE
* 2 : 1CD–FTV
VSC
Power Source
20 AVENSIS
J10(A), J11(B), J20(C), J21(D)
Junction Connector
V 7
VSC Warning
Buzzer
Buzzer
S 1
Skid Control ECU with Actuator
A 5
ABS Speed Sensor
Front RH
A 4
ABS Speed Sensor
Front LH
Engine Compartment Right
Left Kick Panel
10A GAUGE1
7. 5A ECU–IG
IG1 Relay
25A AM1
I13
Ignition SW
30A AM2
50A VSC
25A VSC
120A ALT
140A ALT
FL MAIN
3. 0W
Battery

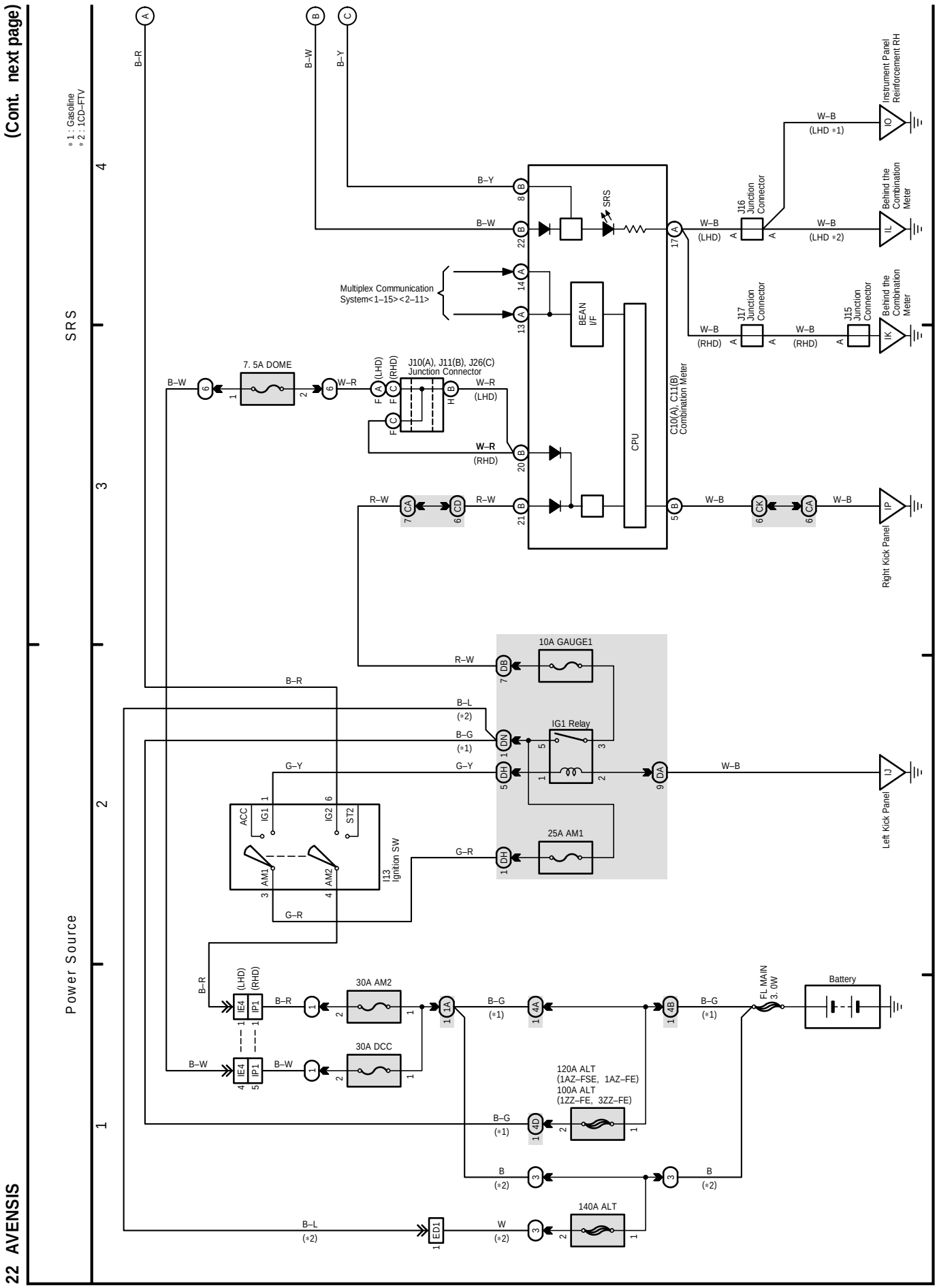
(Cont. next page)




20 AVENSIS (Cont' d)
VSC
*1 : 1AZ–FSE
*2 : 1CD–FTV
J16 Junction Connector
J17 Junction Connector
J15 Junction Connector
J19 Junction Connector
J22(A), J23(B) Junction Connector
J 8(A), J26(B) Junction Connector
Instrument Panel Reinforcement RH
Behind the Combination Meter
DLC3 <5–19><8–16>
DLC3 <5–18><8–15>
Combination Meter System<42–11>
C10(A), C11(B) Combination Meter
S 1 Skid Control ECU with Actuator
S12 Steering Sensor
Y 1 Yaw Rate Sensor
Brake
ABS
TRC OFF
Slip
VSC
10A IGN
(Shielded)
W–B (LHD)
W–B (RHD)
W–B (LHD *1)
W–B (LHD *2)
W–L (RHD)
W–G (RHD)
B–W
R–W
B–R
P
R–Y
LG–B
LG
W–R
EBDW
WA
WT
IND
VSCW
YIGA
YGND
SS1
SS2
TS
TC
D/G
CAN HIGH
CAN LOW
CANH
CANL
12V
GND
UBAT
IE1
IO1
IO2
IK
IL
IO

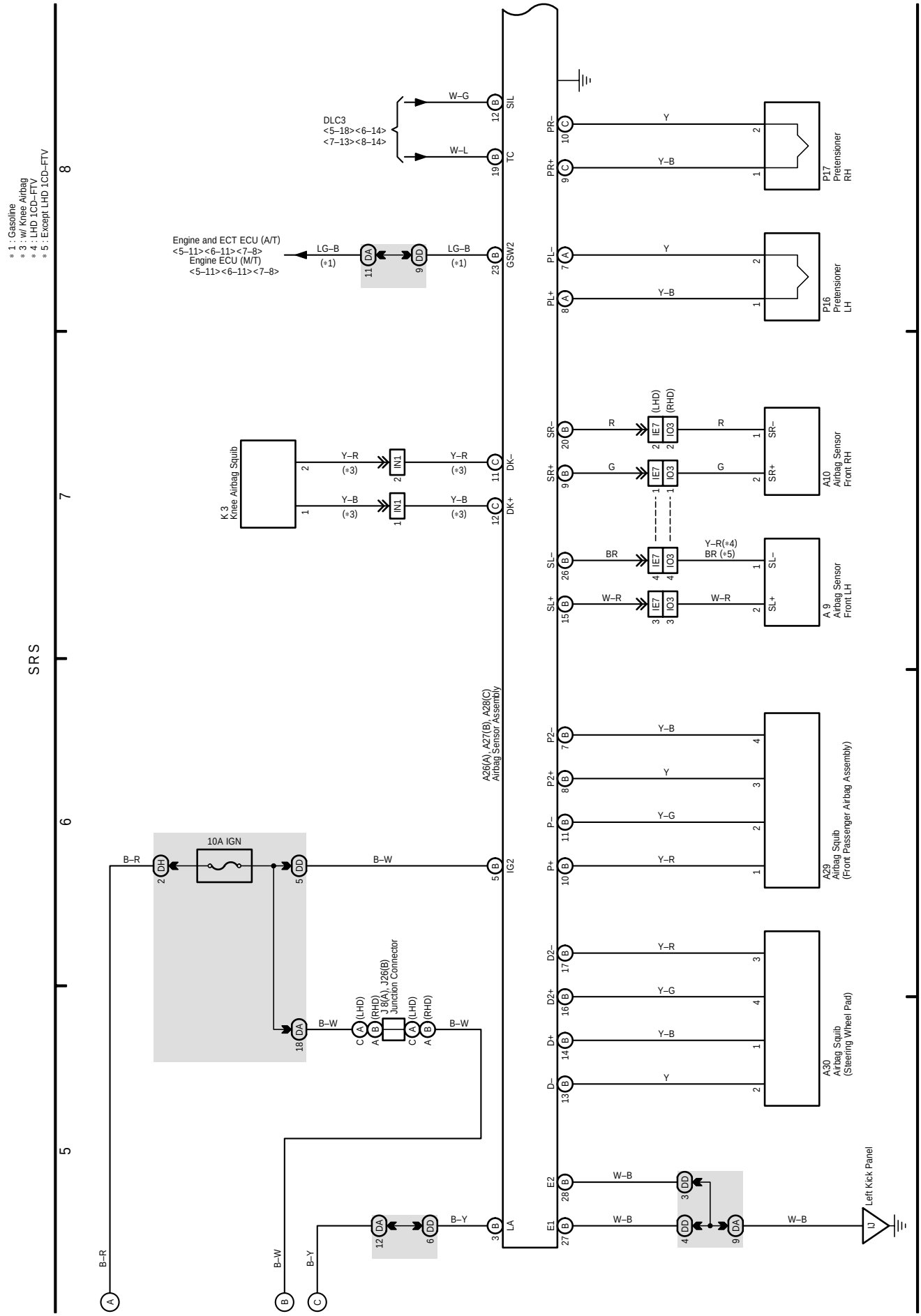

(Cont. next page)
*1 : Gasoline
*2 : 1CD–FTV
*3 : 1AZ–FE
*4 : 1ZZ–FE, 3ZZ–FE
ABS
Power Source
21 AVENSIS
S 2
Skid Control ECU with Actuator
+BM
+BS
IG1
GND1
GND2
WA
EBDW
J10(A), J20(B) Junction Connector
J 8(A), J26(B) Junction Connector
C10(A), C11(B) Combination Meter
Brake
ABS
Combination Meter System<42–11>
10A IGN
7. 5A ECU–IG
IG1 Relay
25A AM1
30A AM2
I13 Ignition SW
25A ABS
40A ABS
120A ALT (*3)
100A ALT (*4)
140A ALT
FL MAIN 3. 0W
Battery
Engine Compartment Right
Instrument Panel Reinforcement RH
Behind the Combination Meter
Left Kick Panel
J16 Junction Connector
J17 Junction Connector
J15 Junction Connector

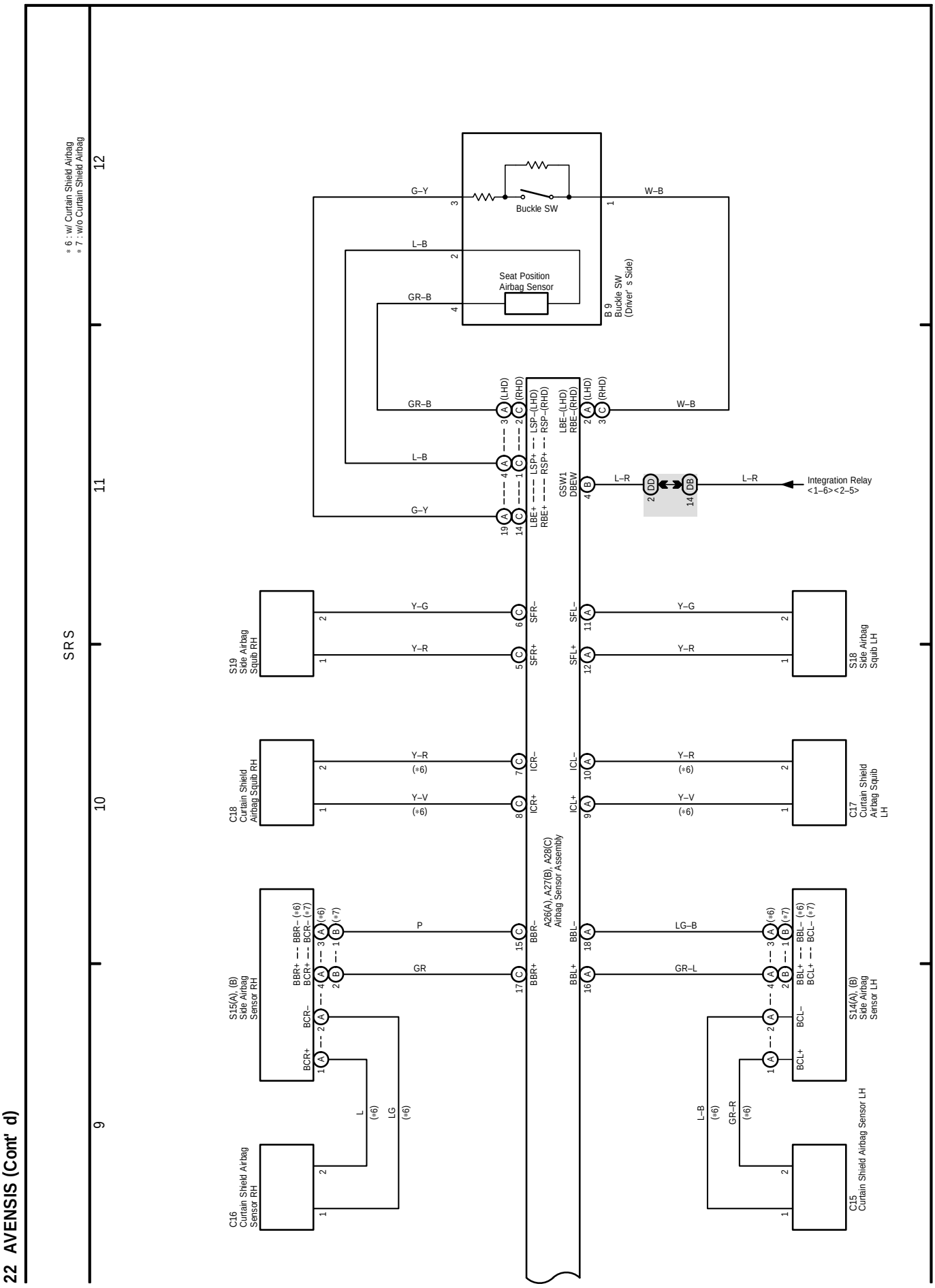

21 AVENSIS (Cont' d)
ABS
5
6
7
8
* 5 : Navigation System (Map Type)
Multi–Display
<39–6>
B–W
(*5)
8 DM
2 DC
B–W
1
P 4
Parking
Brake SW
A/C Control Assembly
<47–5><48–8><49–7>
B–W
4 DC
3 DB
B–W
2 IE2
B–W
14 PKB
DLC3
<6–14><7–13><8–15>
W–G
11 D/G
W–L
25 TC
DLC3
<6–15><7–15><8–16>
W
13 TS
Neutral Start SW
<11–11><12–10>
W–L
(A/T)
1
D 2
Diode
R
(A/T)
3
2
G
(A/T)
1 IE2
G
(A/T)
21 PN
Combination Meter
<42–4>
L–W
23 SP1
Stop Light SW
<17–1>
G–W
20 STP
S 2
Skid Control ECU with Actuator
RR–
8
V
11 IE2
V
10 IM1
V
RR+
19
P
10 IE2
P
1 IM1
P
1
2
A33
ABS Speed Sensor
Rear RH
RL–
17
G
1 IB1
G
RL+
7
R
2 IB1
R
1
2
A32
ABS Speed Sensor
Rear LH
FR–
9
B
FR+
10
W
2
1
A 5
ABS Speed Sensor
Front RH
FL–
6
R–L
FL+
5
L–Y
2
1
A 4
ABS Speed Sensor
Front LH

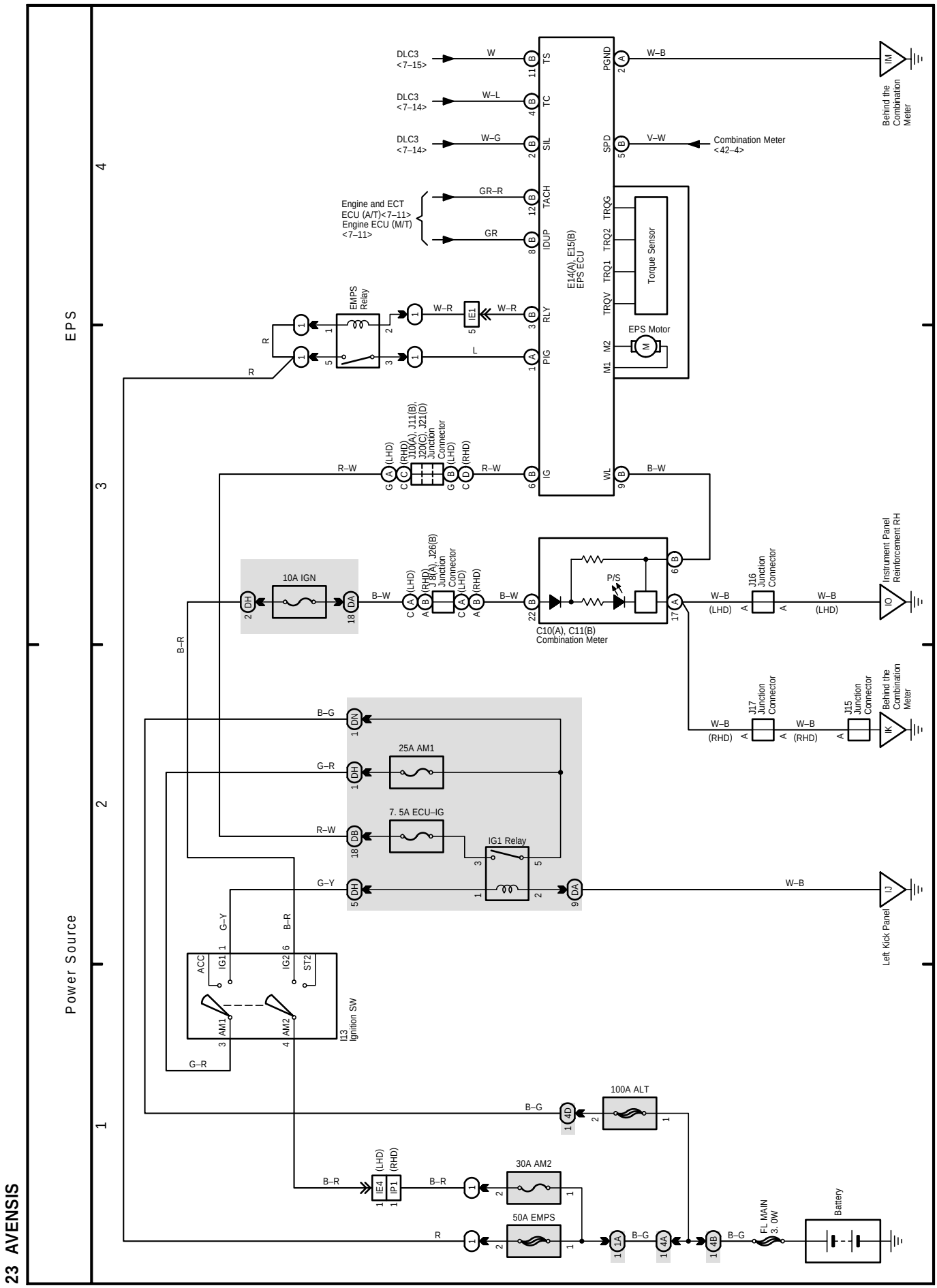

(Cont. next page)
* 1 : Gasoline
* 2 : 1CD–FTV
SRS
Power Source
22 AVENSIS
Instrument Panel Reinforcement RH
Behind the Combination Meter
Right Kick Panel
Left Kick Panel
Multiplex Communication System<1–15><2–11>
BEAN I/F
CPU
C10(A), C11(B) Combination Meter
J10(A), J11(B), J26(C) Junction Connector
J16 Junction Connector
J17 Junction Connector
J15 Junction Connector
7. 5A DOME
10A GAUGE1
IG1 Relay
25A AM1
I13 Ignition SW
30A AM2
30A DCC
120A ALT (1AZ–FSE, 1AZ–FE) 100A ALT (1ZZ–FE, 3ZZ–FE)
140A ALT
FL MAIN 3. 0W
Battery

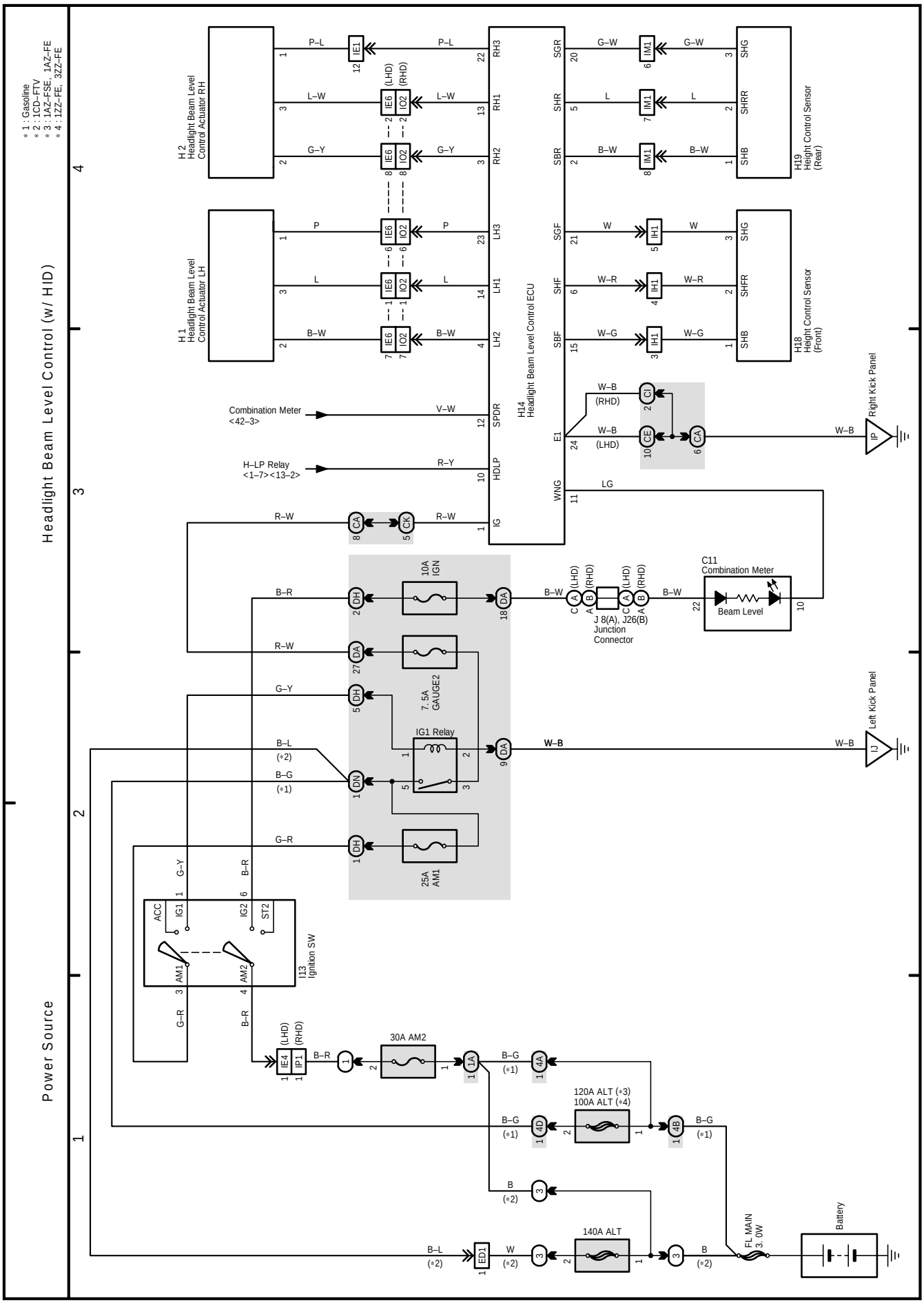
22 AVENSIS (Cont' d)

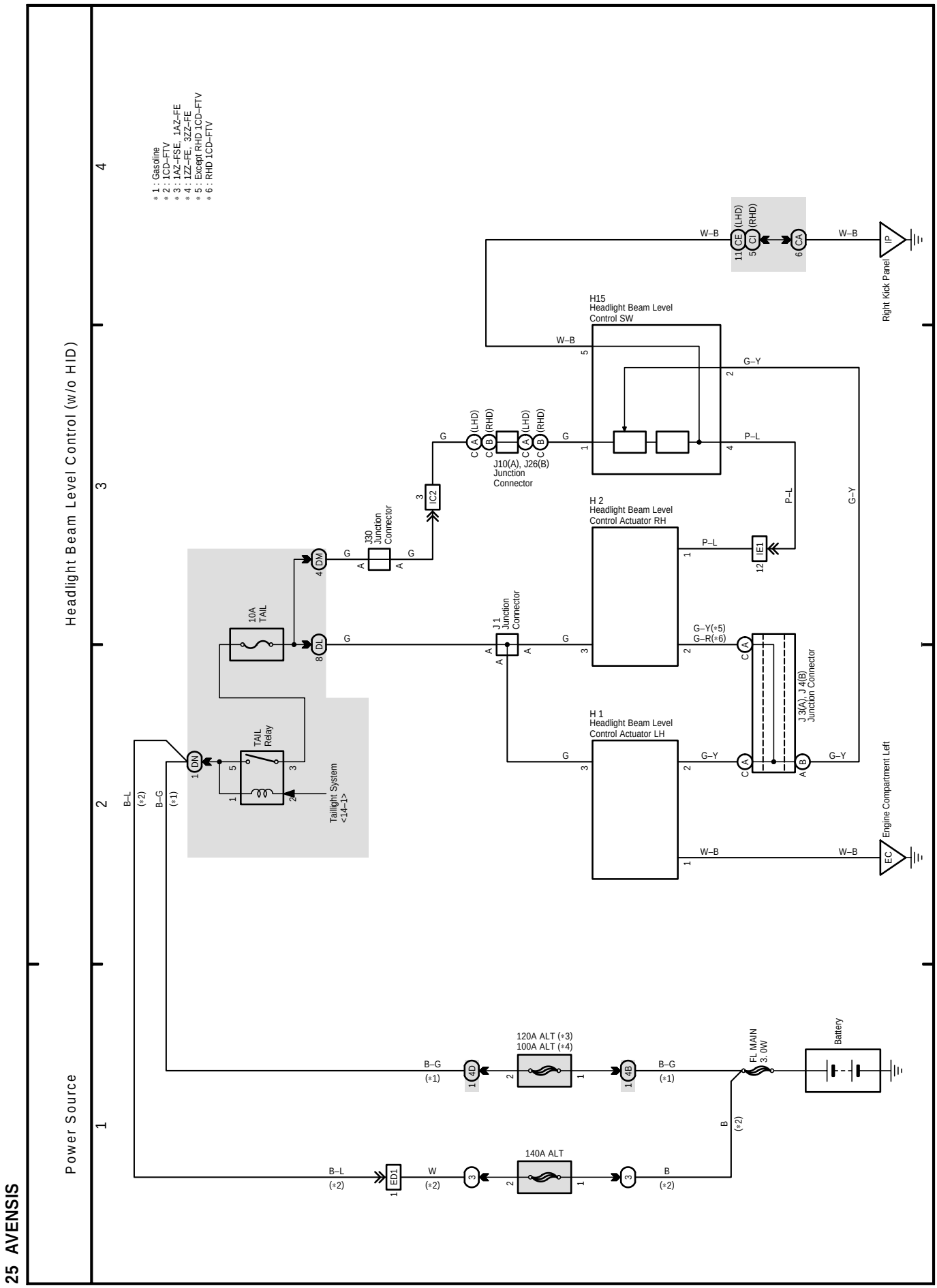
(Cont. next page)

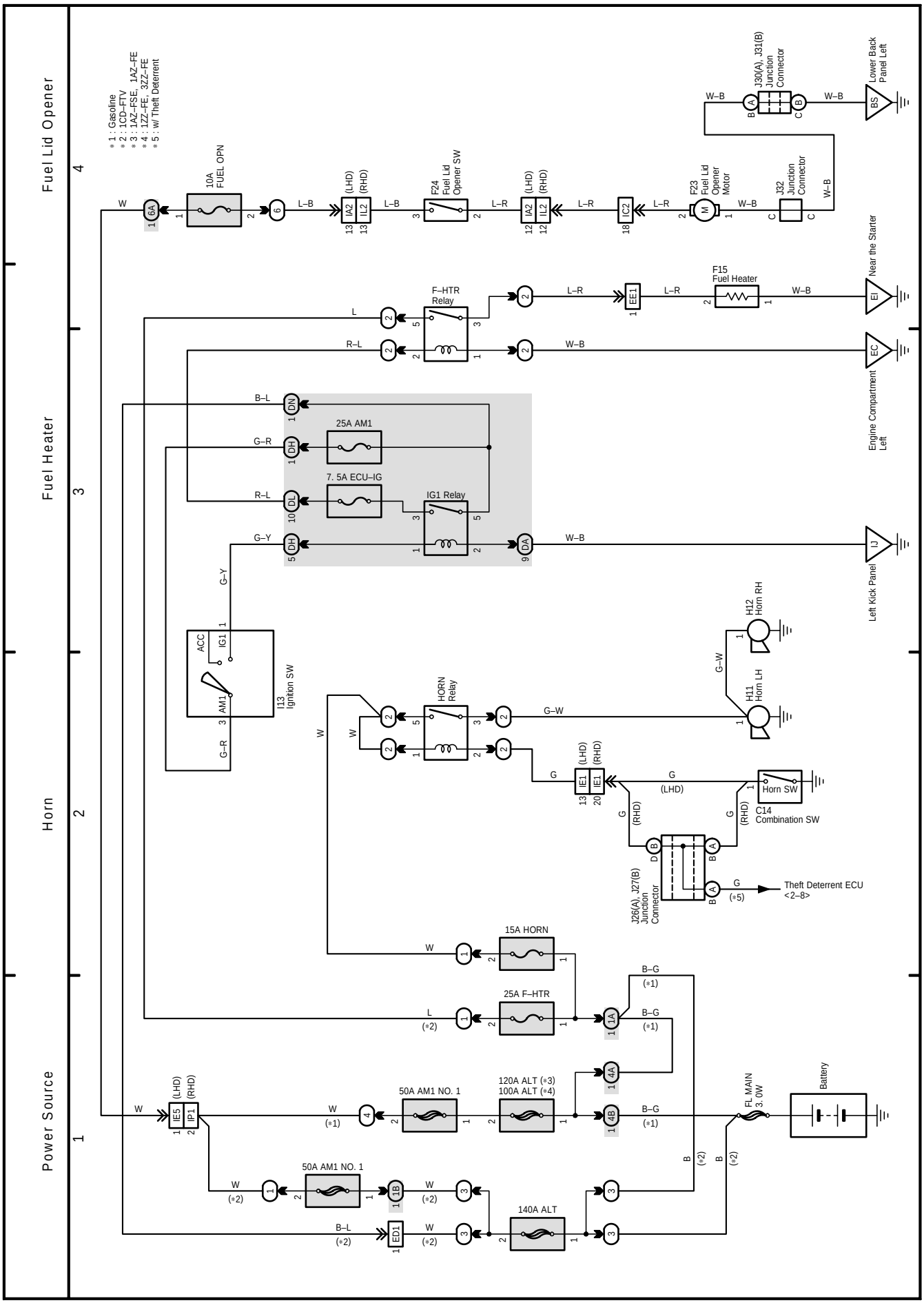


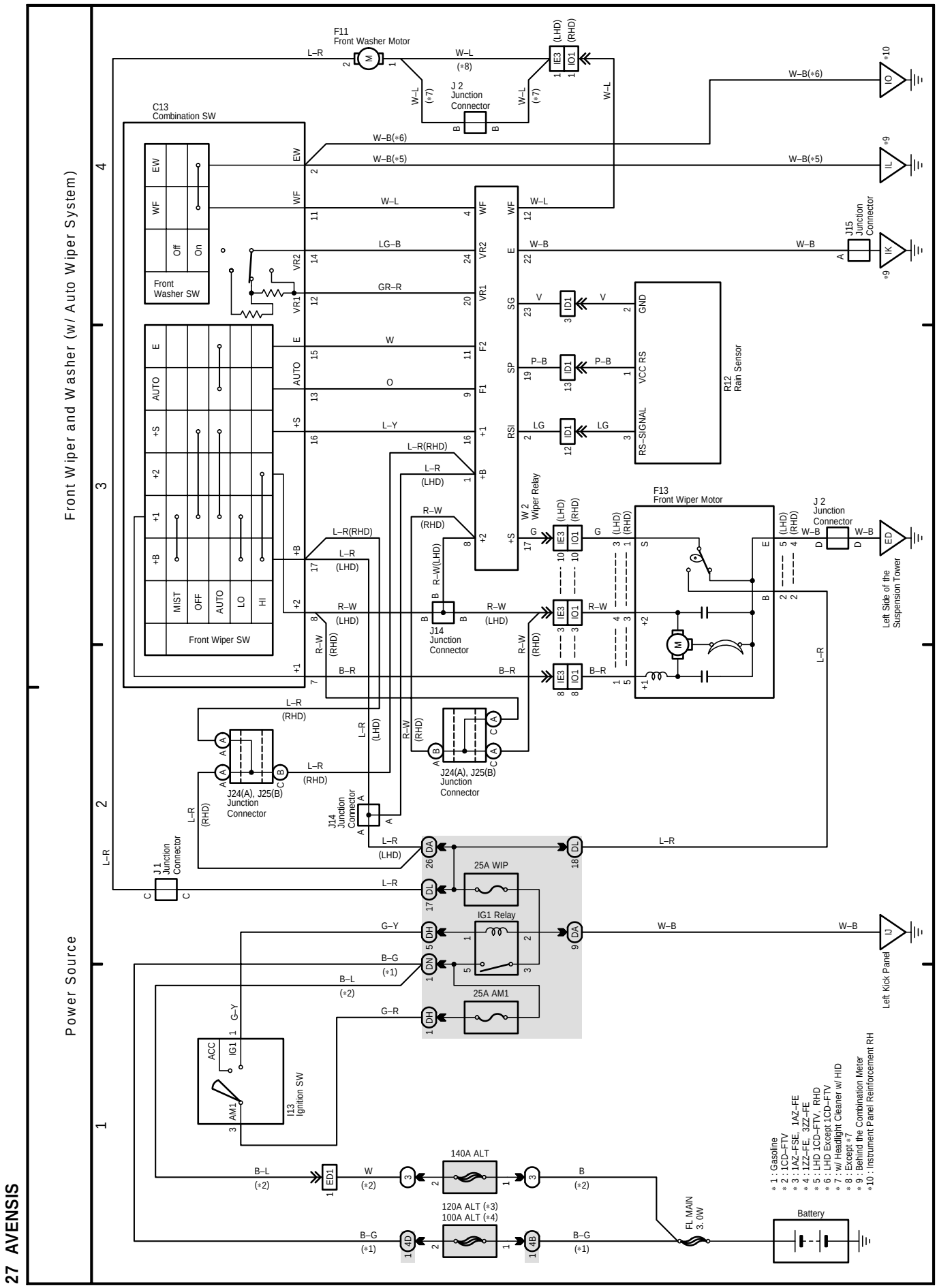

22 AVENSIS (Cont' d)
SRS
9
10
11
12
* 6 : w/ Curtain Shield Airbag
* 7 : w/o Curtain Shield Airbag
Buckle SW
Seat Position Airbag Sensor
B 9 Buckle SW (Driver' s Side)
G–Y
W–B
L–B
GR–B
GSW1
DBEW
Integration Relay <1–6><2–5>
L–R
S19 Side Airbag Squib RH
S18 Side Airbag Squib LH
C18 Curtain Shield Airbag Squib RH
C17 Curtain Shield Airbag Squib LH
A26(A), A27(B), A28(C) Airbag Sensor Assembly
S15(A), (B) Side Airbag Sensor RH
S14(A), (B) Side Airbag Sensor LH
C16 Curtain Shield Airbag Sensor RH
C15 Curtain Shield Airbag Sensor LH
Y–G
Y–R
Y–V
P
GR
LG–B
GR–L
L
LG
L–B
GR–R
(*6)
(*7)
SFR+
SFR–
SFL+
SFL–
ICR+
ICR–
ICL+
ICL–
BBR+
BBR–
BBL+
BBL–
BCR+
BCR–
BCL+
BCL–
LBE+
LBE–
RBE+
RBE–
LSP+
LSP–
RSP+
RSP–
(LHD)
(RHD)

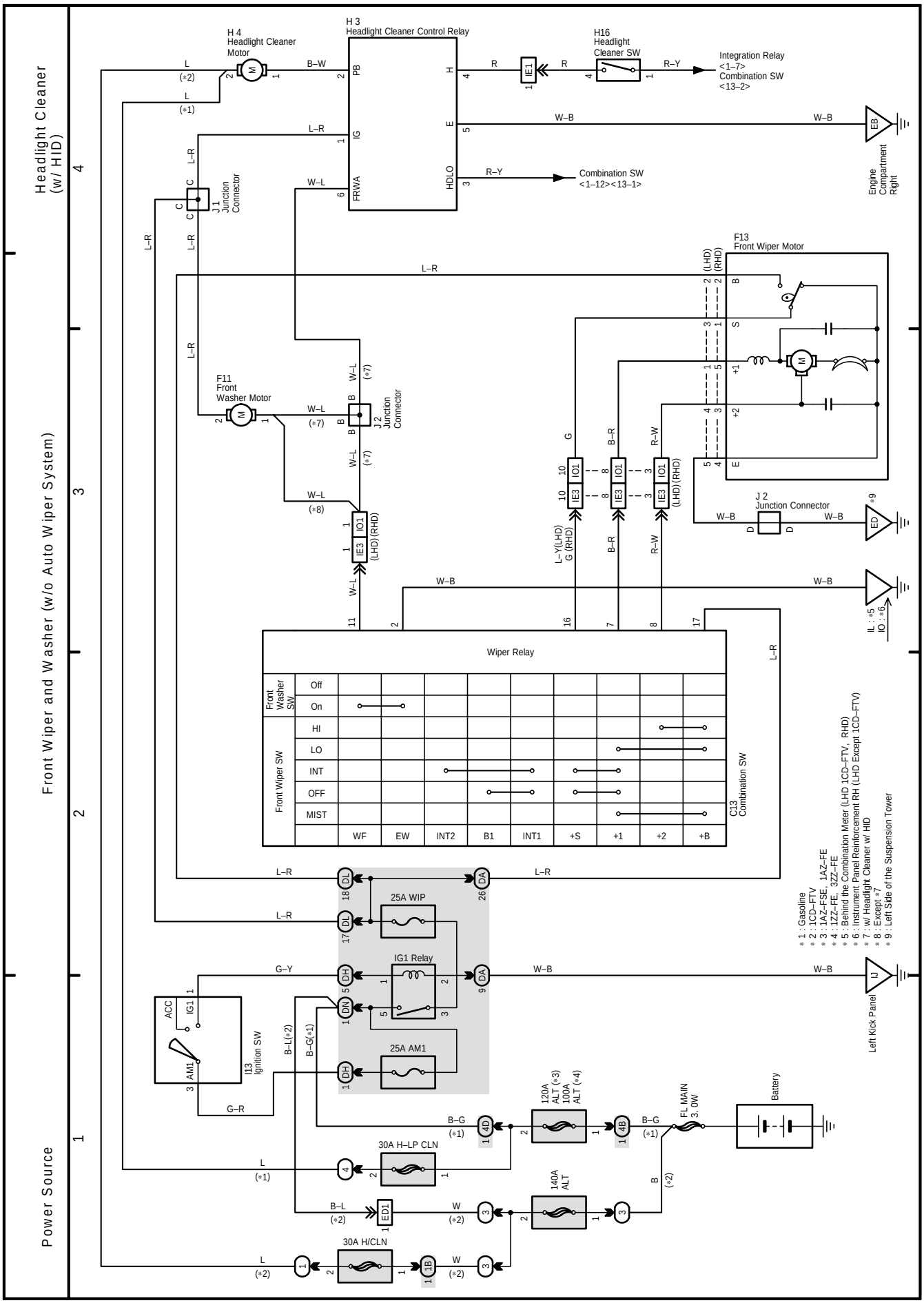

EPS
Power Source
DLC3 <7–15>
DLC3 <7–14>
DLC3 <7–14>
Engine and ECT ECU (A/T)<7–11> Engine ECU (M/T) <7–11>
Combination Meter <42–4>
Behind the Combination Meter
E14(A), E15(B) EPS ECU
Torque Sensor
EPS Motor
EMPS Relay
J10(A), J11(B), J20(C), J21(D) Junction Connector
10A IGN
J8(A), J26(B) Junction Connector
C10(A), C11(B) Combination Meter
P/S
J16 Junction Connector
Instrument Panel Reinforcement RH
J17 Junction Connector
J15 Junction Connector
25A AM1
7. 5A ECU–IG
IG1 Relay
Left Kick Panel
I13 Ignition SW
100A ALT
30A AM2
50A EMPS
FL MAIN 3. 0W
Battery

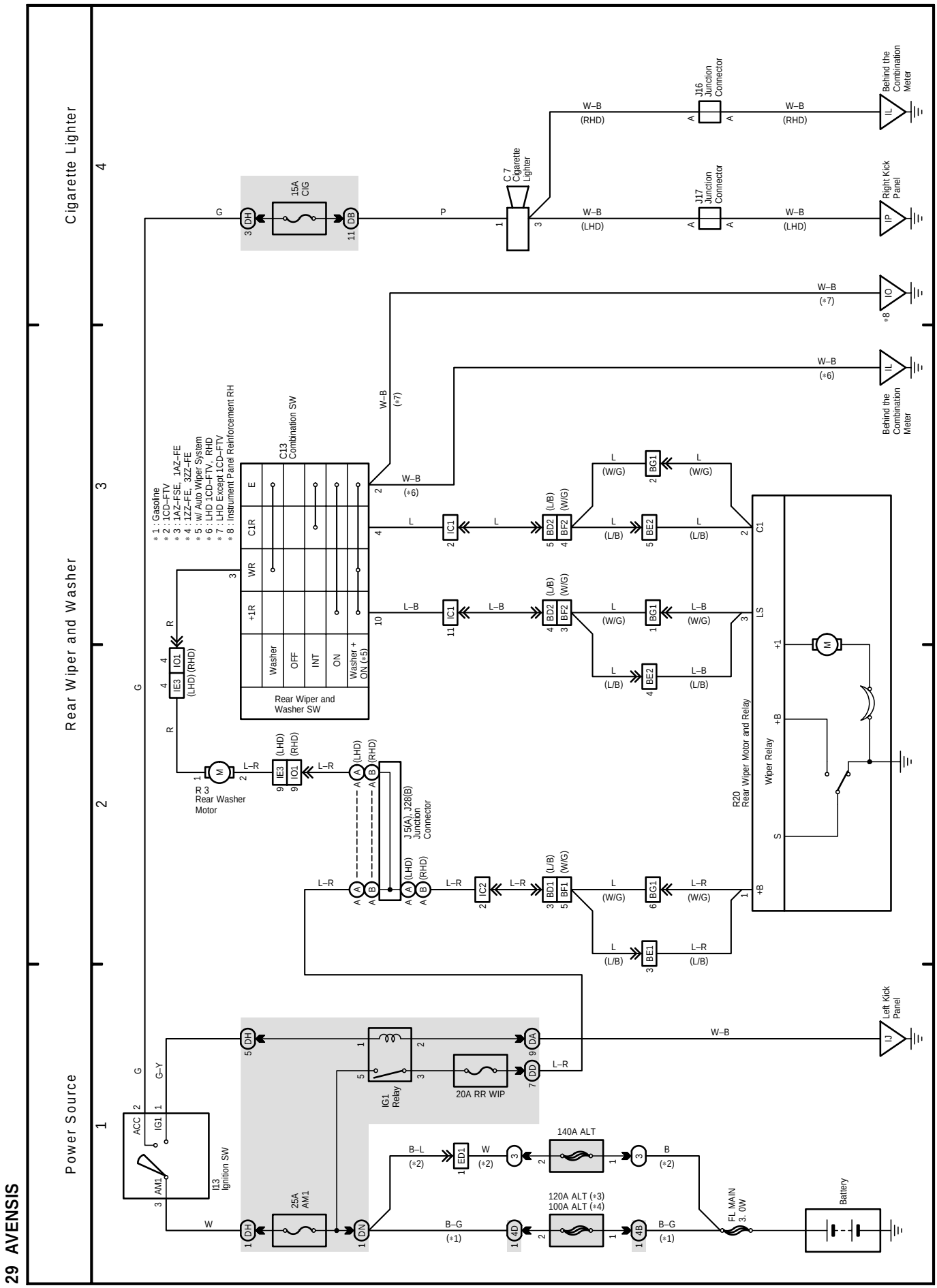

Headlight Beam Level Control (w/ HID)
Power Source
*1 : Gasoline
*2 : 1CD–FTV
*3 : 1AZ–FSE, 1AZ–FE
*4 : 1ZZ–FE, 3ZZ–FE
H2 Headlight Beam Level Control Actuator RH
H1 Headlight Beam Level Control Actuator LH
H14 Headlight Beam Level Control ECU
H19 Height Control Sensor (Rear)
H18 Height Control Sensor (Front)
Combination Meter <42–3>
H–LP Relay <1–7><13–2>
Right Kick Panel
Left Kick Panel
C11 Combination Meter
Beam Level
J 8(A), J26(B) Junction Connector
10A IGN
7. 5A GAUGE2
25A AM1
IG1 Relay
I13 Ignition SW
30A AM2
120A ALT (*3) 100A ALT (*4)
140A ALT
FL MAIN 3. 0W
Battery

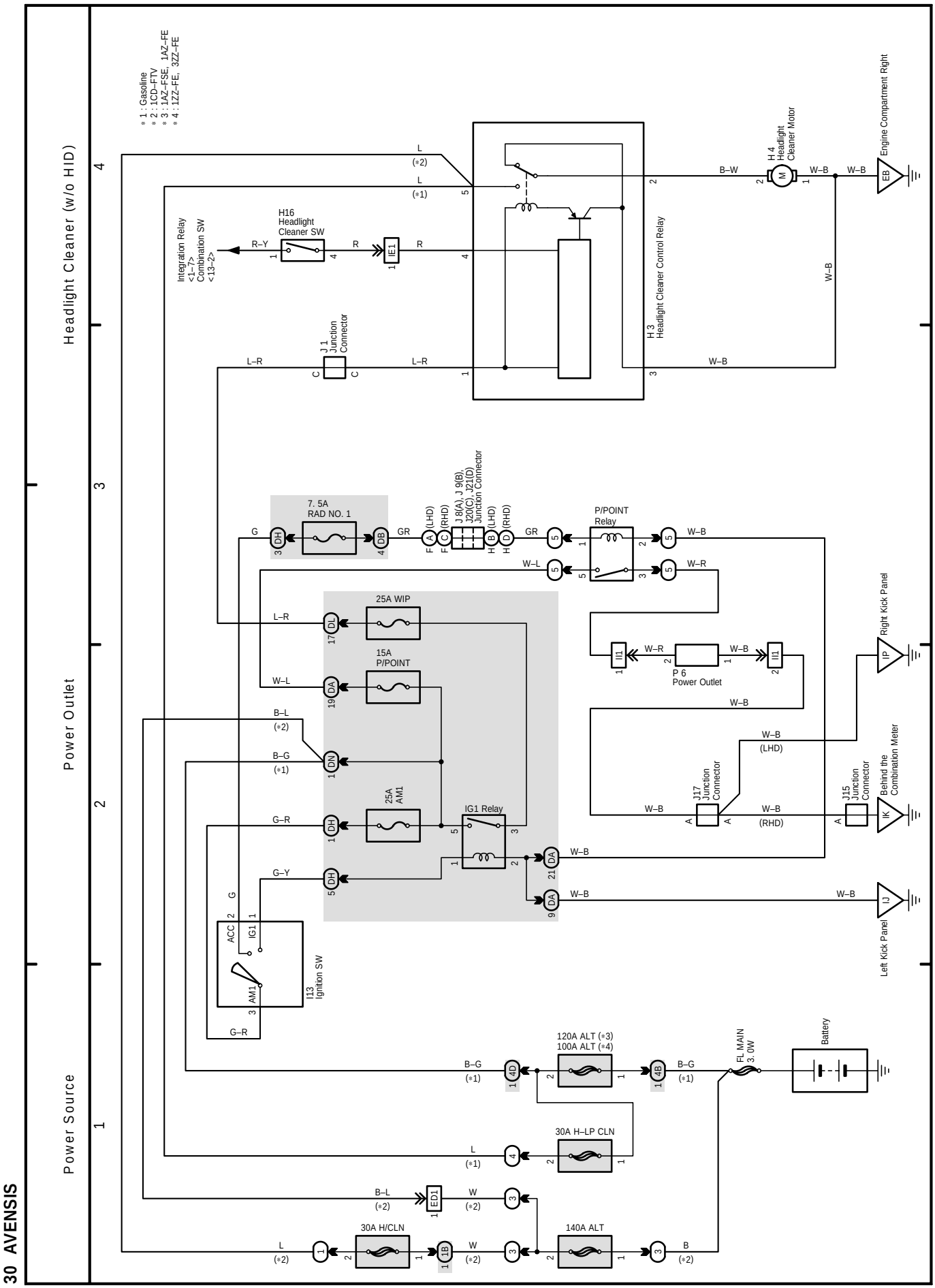

25 AVENSIS
Power Source
Headlight Beam Level Control (w/o HID)
1
2
3
4
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : Except RHD 1CD–FTV
* 6 : RHD 1CD–FTV
Battery
FL MAIN
3. 0W
120A ALT (*3)
100A ALT (*4)
140A ALT
B–G
(*1)
B–L
(*2)
B
W
W–B
G
G–Y
P–L
G–Y(*5)
G–R(*6)
10A
TAIL
TAIL
Relay
Taillight System
<14–1>
J30
Junction
Connector
J1
Junction
Connector
J10(A), J26(B)
Junction
Connector
J 3(A), J 4(B)
Junction Connector
H15
Headlight Beam Level
Control SW
H 2
Headlight Beam Level
Control Actuator RH
H 1
Headlight Beam Level
Control Actuator LH
Right Kick Panel
Engine Compartment Left
IP
EC
(LHD)
(RHD)

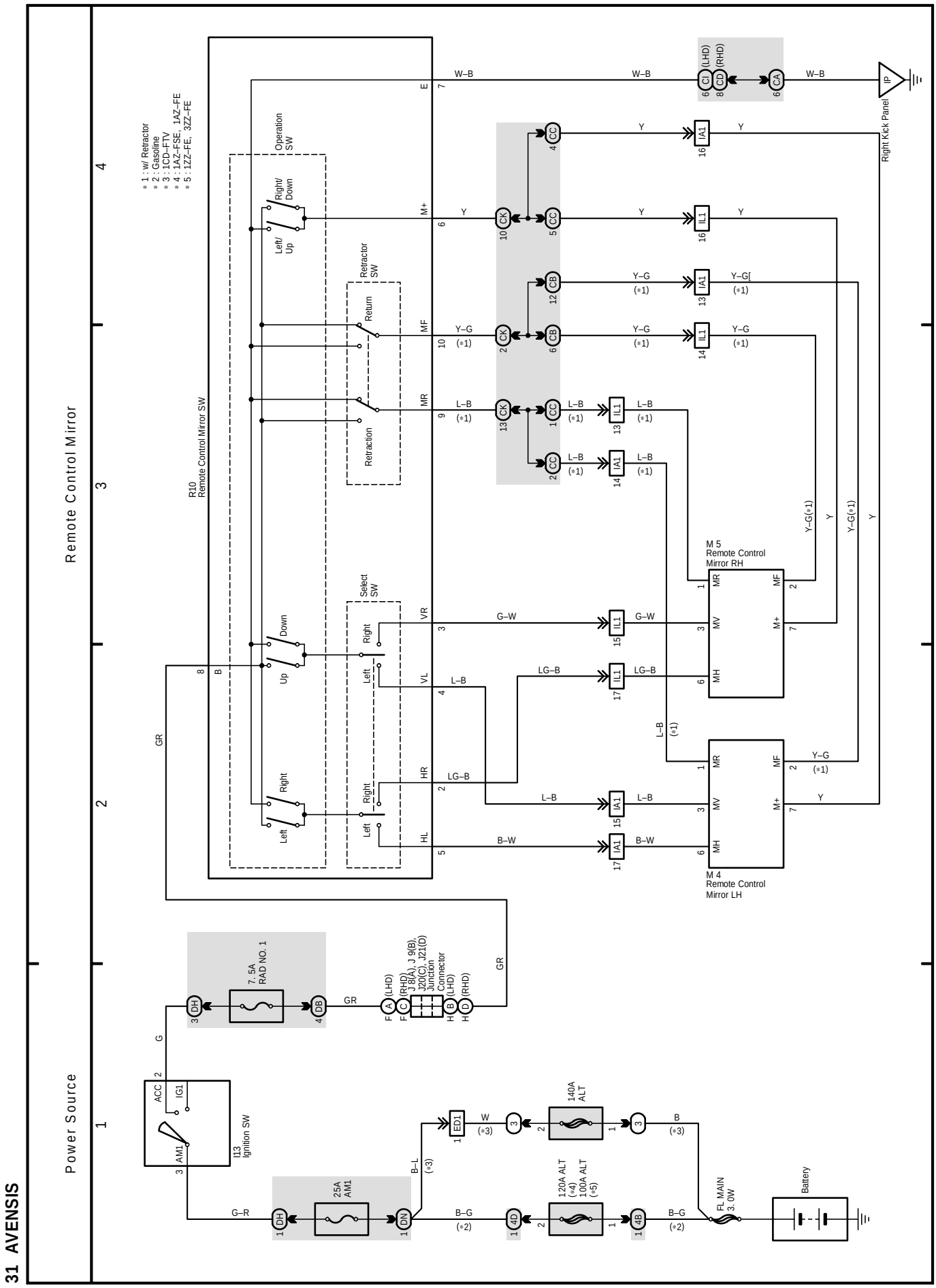

Fuel Lid Opener
Fuel Heater
Horn
Power Source
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : w/ Theft Deterrent
10A FUEL OPN
F24 Fuel Lid Opener SW
F23 Fuel Lid Opener Motor
J32 Junction Connector
J30(A), J31(B) Junction Connector
Lower Back Panel Left
F–HTR Relay
F15 Fuel Heater
Near the Starter
Engine Compartment Left
25A AM1
7. 5A ECU–IG
IG1 Relay
Left Kick Panel
I13 Ignition SW
HORN Relay
H12 Horn RH
H11 Horn LH
Horn SW
C14 Combination SW
J26(A), J27(B) Junction Connector
Theft Deterrent ECU <2–8>
15A HORN
25A F–HTR
50A AM1 NO. 1
120A ALT (*3) 100A ALT (*4)
140A ALT
FL MAIN 3. 0W
Battery

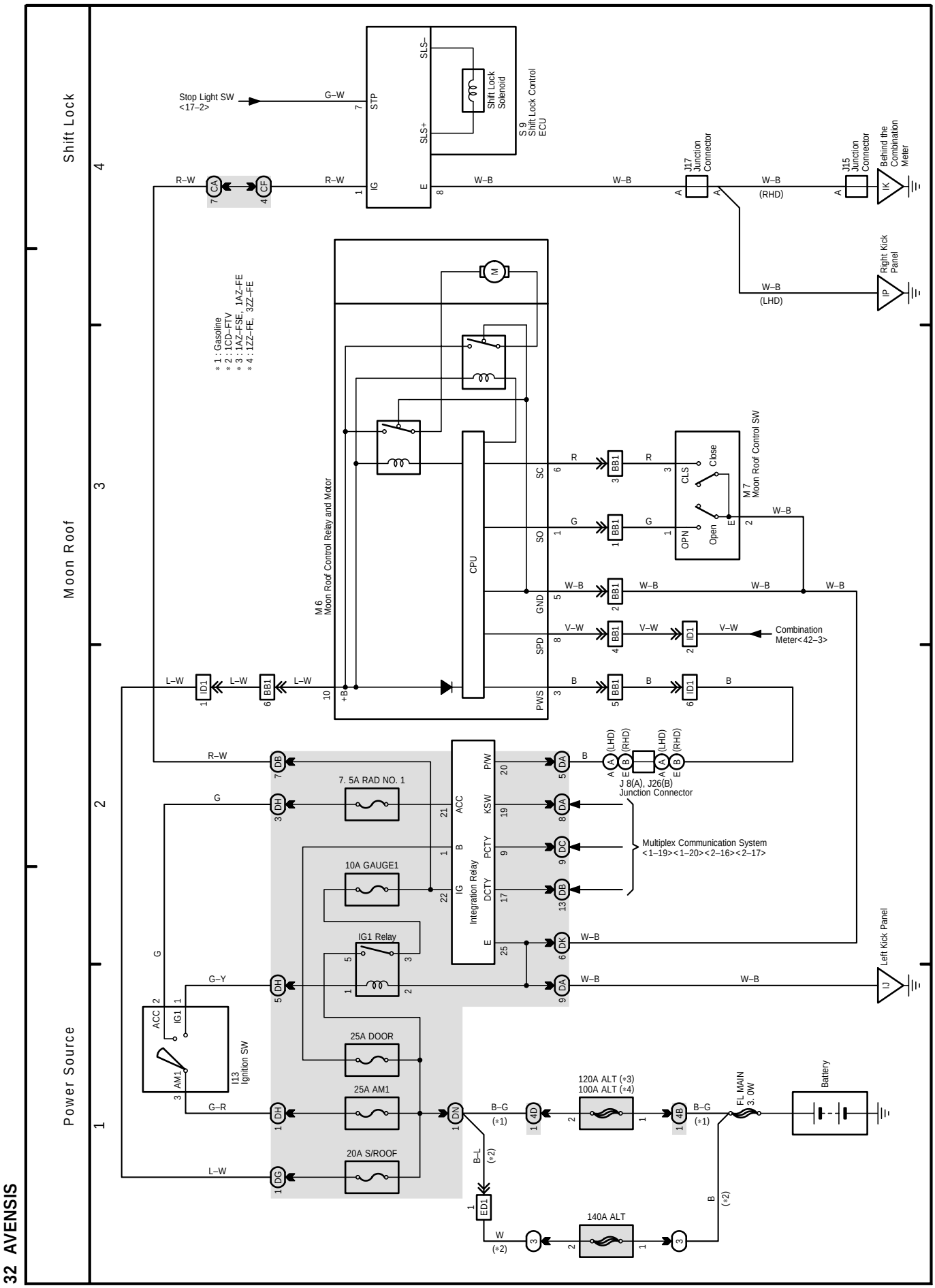

27 AVENSIS
Front Wiper and Washer (w/ Auto Wiper System)
Power Source
F11
Front Washer Motor
C13
Combination SW
Front
Washer SW
Front Wiper SW
MIST
OFF
AUTO
LO
HI
J 2
Junction
Connector
J15
Junction
Connector
R12
Rain Sensor
RS–SIGNAL
VCC RS
GND
W 2
Wiper Relay
F13
Front Wiper Motor
J 2
Junction
Connector
Left Side of the
Suspension Tower
J14
Junction
Connector
J24(A), J25(B)
Junction
Connector
J 1
Junction
Connector
25A WIP
IG1 Relay
25A AM1
I13
Ignition SW
140A ALT
120A ALT (*3)
100A ALT (*4)
FL MAIN
3. 0W
Battery
Left Kick Panel
*1 : Gasoline
*2 : 1CD–FTV
*3 : 1AZ–FSE, 1AZ–FE
*4 : 1ZZ–FE, 3ZZ–FE
*5 : LHD 1CD–FTV, RHD
*6 : LHD Except 1CD–FTV
*7 : w/ Headlight Cleaner w/ HID
*8 : Except *7
*9 : Behind the Combination Meter
*10 : Instrument Panel Reinforcement RH

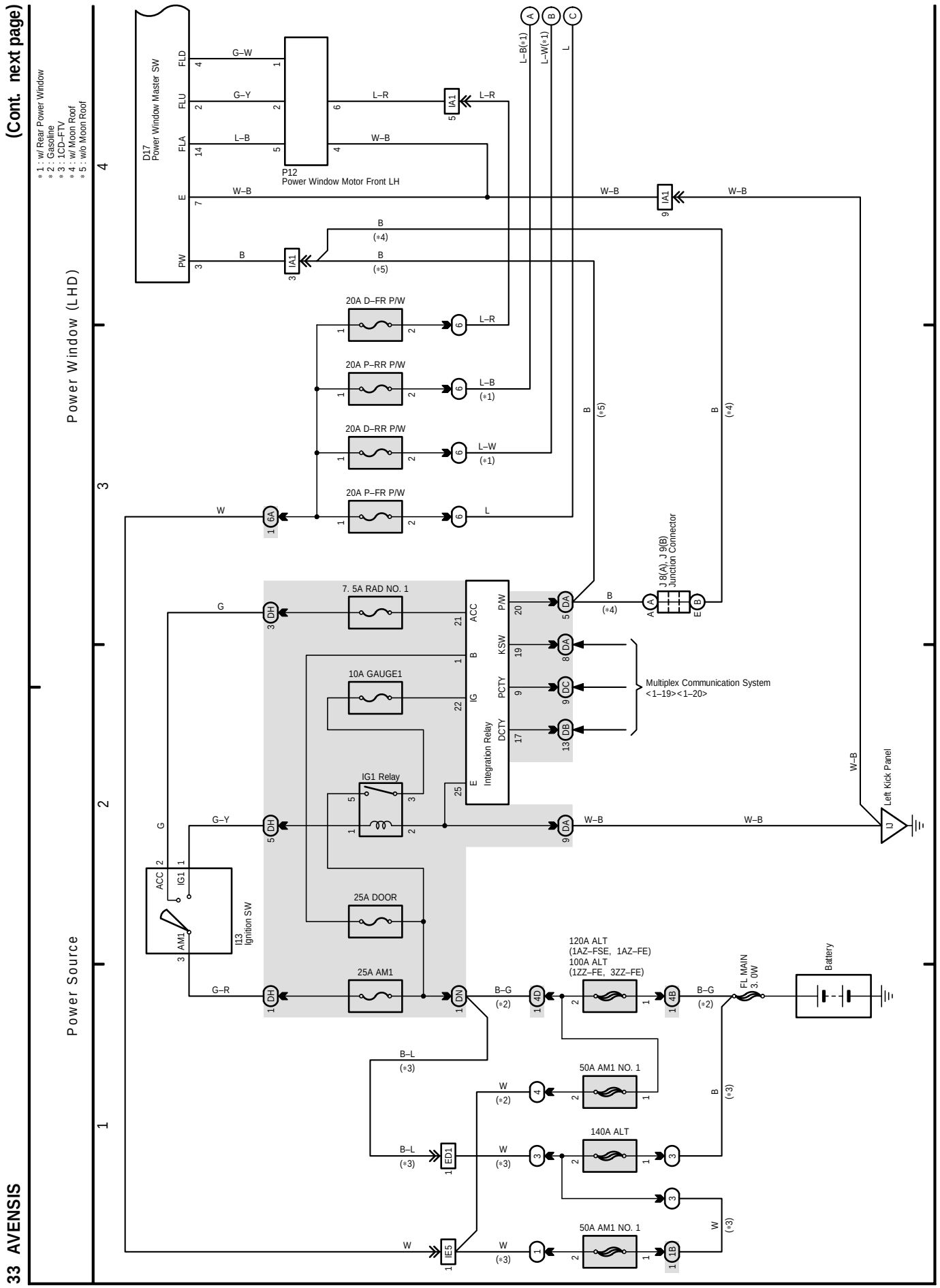

Headlight Cleaner (w/ HID)
Front Wiper and Washer (w/o Auto Wiper System)
Power Source
H 4 Headlight Cleaner Motor
H 3 Headlight Cleaner Control Relay
H16 Headlight Cleaner SW
Integration Relay <1–7> Combination SW <13–2>
Combination SW <1–12><13–1>
J 1 Junction Connector
F11 Front Washer Motor
J 2 Junction Connector
F13 Front Wiper Motor
J 2 Junction Connector
Engine Compartment Right
Left Kick Panel
Wiper Relay
Front Washer SW
Front Wiper SW
Off
On
HI
LO
INT
OFF
MIST
WF
EW
INT2
B1
INT1
+S
+1
+2
+B
C13 Combination SW
I13 Ignition SW
ACC
IG1
AM1
IG1 Relay
25A WIP
25A AM1
30A H–LP CLN
30A H/CLN
120A ALT (*3) 100A ALT (*4)
140A ALT
FL MAIN 3. 0W
Battery
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : Behind the Combination Meter (LHD 1CD–FTV, RHD)
* 6 : Instrument Panel Reinforcement RH (LHD Except 1CD–FTV)
* 7 : w/ Headlight Cleaner w/ HID
* 8 : Except *7
* 9 : Left Side of the Suspension Tower

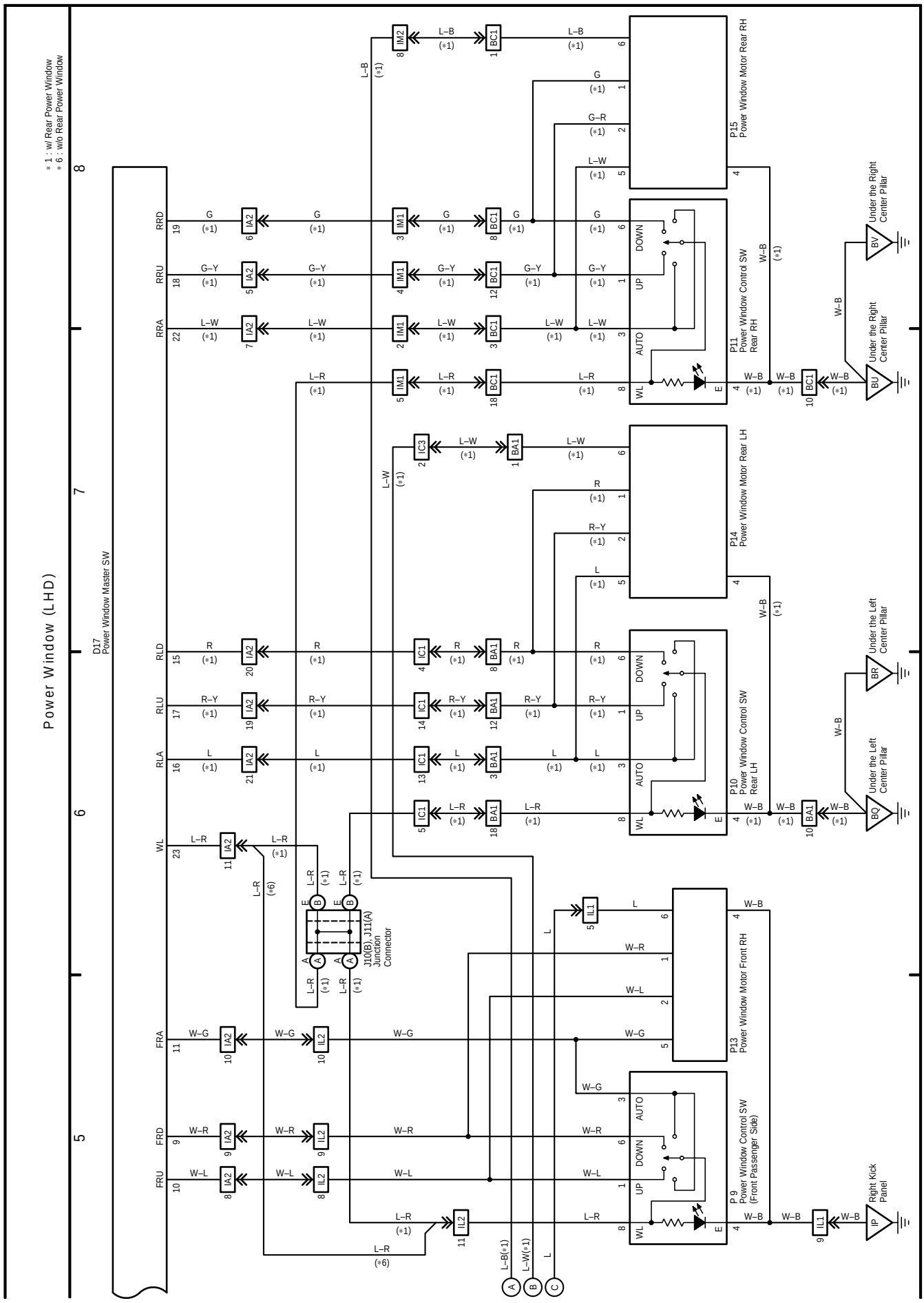

Power Source
Rear Wiper and Washer
Cigarette Lighter
1
2
3
4
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : w/ Auto Wiper System
* 6 : LHD 1CD–FTV, RHD
* 7 : LHD Except 1CD–FTV
* 8 : Instrument Panel Reinforcement RH
C13 Combination SW
Rear Wiper and Washer SW
Washer
OFF
INT
ON
Washer + ON (*5)
E
C1R
WR
+1R
R 3 Rear Washer Motor
IE3
IO1
(LHD)
(RHD)
J5(A), J28(B) Junction Connector
R20 Rear Wiper Motor and Relay
Wiper Relay
LS
C1
+1
+B
S
M
IC1
IC2
BD1
BD2
BF1
BF2
BG1
BE1
BE2
C 7 Cigarette Lighter
15A CIG
J16 Junction Connector
J17 Junction Connector
Behind the Combination Meter
Right Kick Panel
Left Kick Panel
I13 Ignition SW
ACC
IG1
AM1
IG1 Relay
20A RR WIP
25A AM1
140A ALT
120A ALT (*3)
100A ALT (*4)
ED1
FL MAIN 3. 0W
Battery
W–B
(RHD)
W–B
(LHD)
W–B
(*6)
W–B
(*7)
L
L–R
L–B
B–L
B–G
G
G–Y
W
P
B
(*1)
(*2)

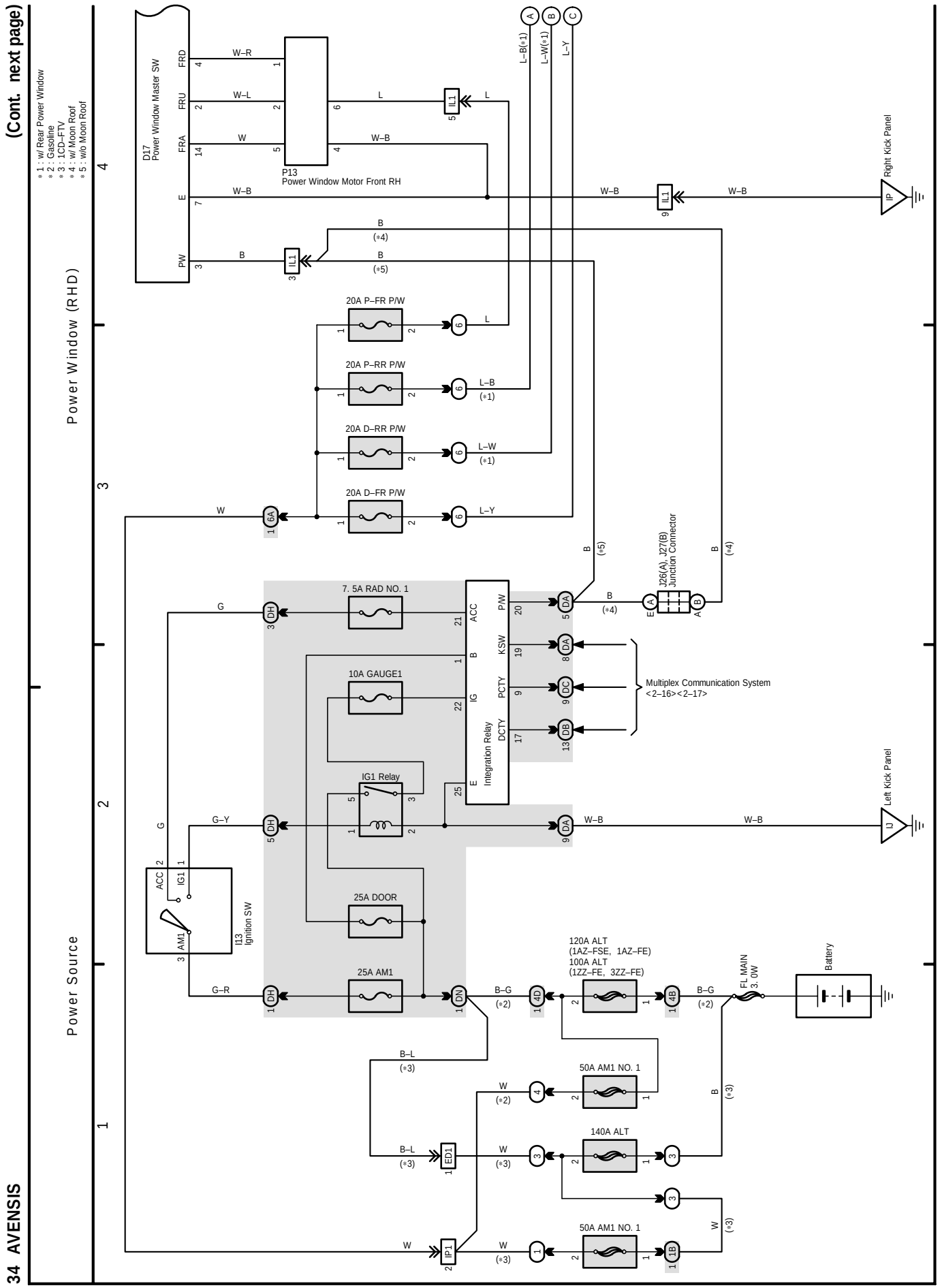

*1 : Gasoline
*2 : 1CD–FTV
*3 : 1AZ–FSE, 1AZ–FE
*4 : 1ZZ–FE, 3ZZ–FE
Headlight Cleaner (w/o HID)
Power Outlet
Power Source
H16 Headlight Cleaner SW
Integration Relay <1–7> Combination SW <13–2>
H 3 Headlight Cleaner Control Relay
H 4 Headlight Cleaner Motor
Engine Compartment Right
J 1 Junction Connector
7. 5A RAD NO. 1
J 8(A), J 9(B), J20(C), J21(D) Junction Connector
P/POINT Relay
25A WIP
15A P/POINT
25A AM1
IG1 Relay
I13 Ignition SW
P 6 Power Outlet
Right Kick Panel
Left Kick Panel
J17 Junction Connector
J15 Junction Connector
Behind the Combination Meter
120A ALT (*3) 100A ALT (*4)
FL MAIN 3. 0W
Battery
30A H–LP CLN
30A H/CLN
140A ALT

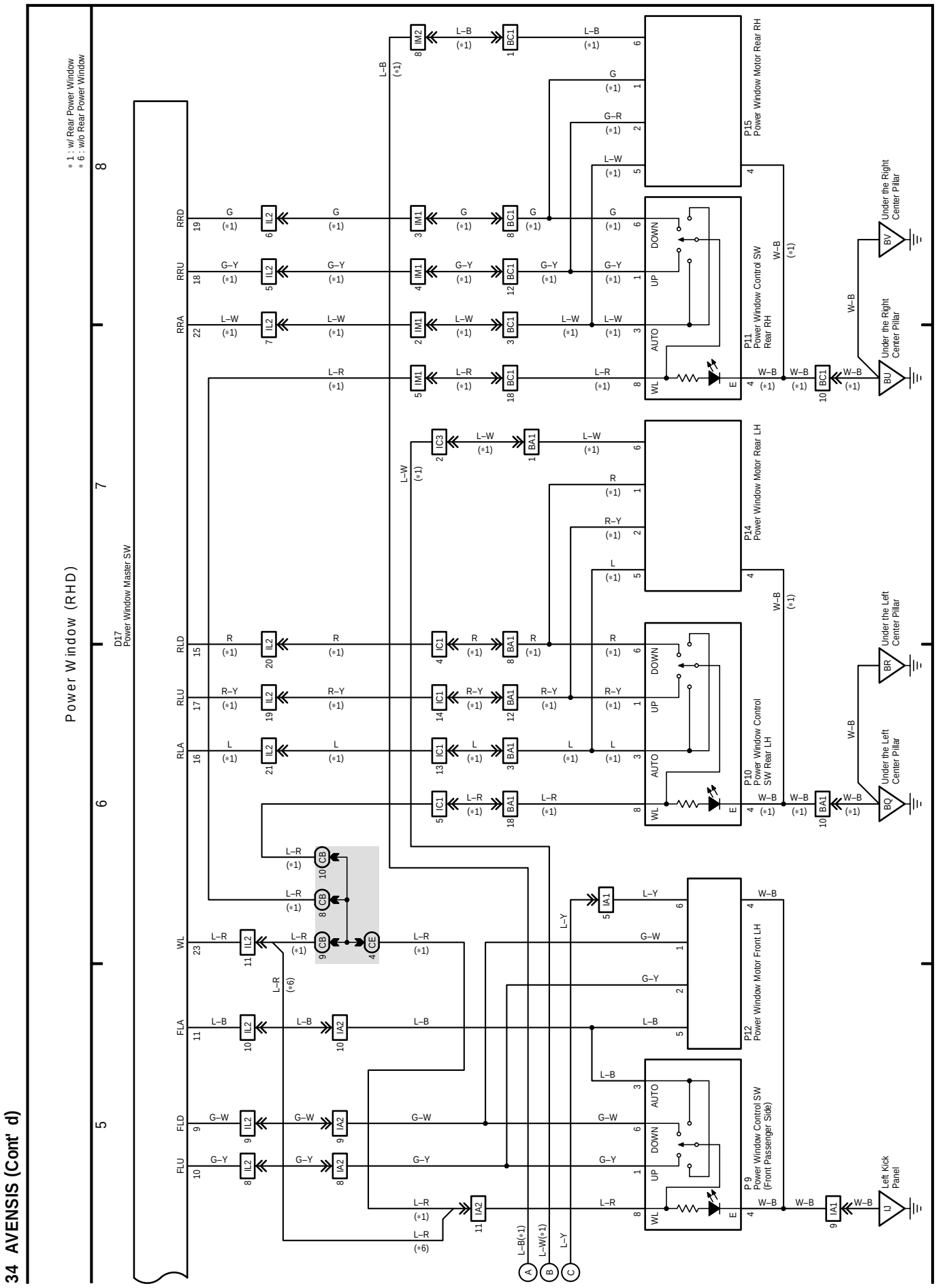

31 AVENSIS
Power Source
Remote Control Mirror
1
2
3
4
* 1 : w/ Retractor
* 2 : Gasoline
* 3 : 1CD–FTV
* 4 : 1AZ–FSE, 1AZ–FE
* 5 : 1ZZ–FE, 3ZZ–FE
R10
Remote Control Mirror SW
Operation SW
Right/ Down
Left/ Up
Retractor SW
Return
Retraction
Select SW
Down
Up
Right
Left
M 5
Remote Control Mirror RH
M 4
Remote Control Mirror LH
MR
MF
MV
M+
MH
I13
Ignition SW
ACC
IG1
AM1
7. 5A
RAD NO. 1
25A
AM1
140A
ALT
120A ALT
(*4)
100A ALT
(*5)
FL MAIN
3. 0W
Battery
Right Kick Panel
IP
J 8(A), J 9(B),
J20(C), J21(D)
Junction
Connector
(LHD)
(RHD)
W–B
Y
Y–G
L–B
G–W
LG–B
B–W
B–L
G–R
B–G
GR
W
B
(*1)
(*2)
(*3)

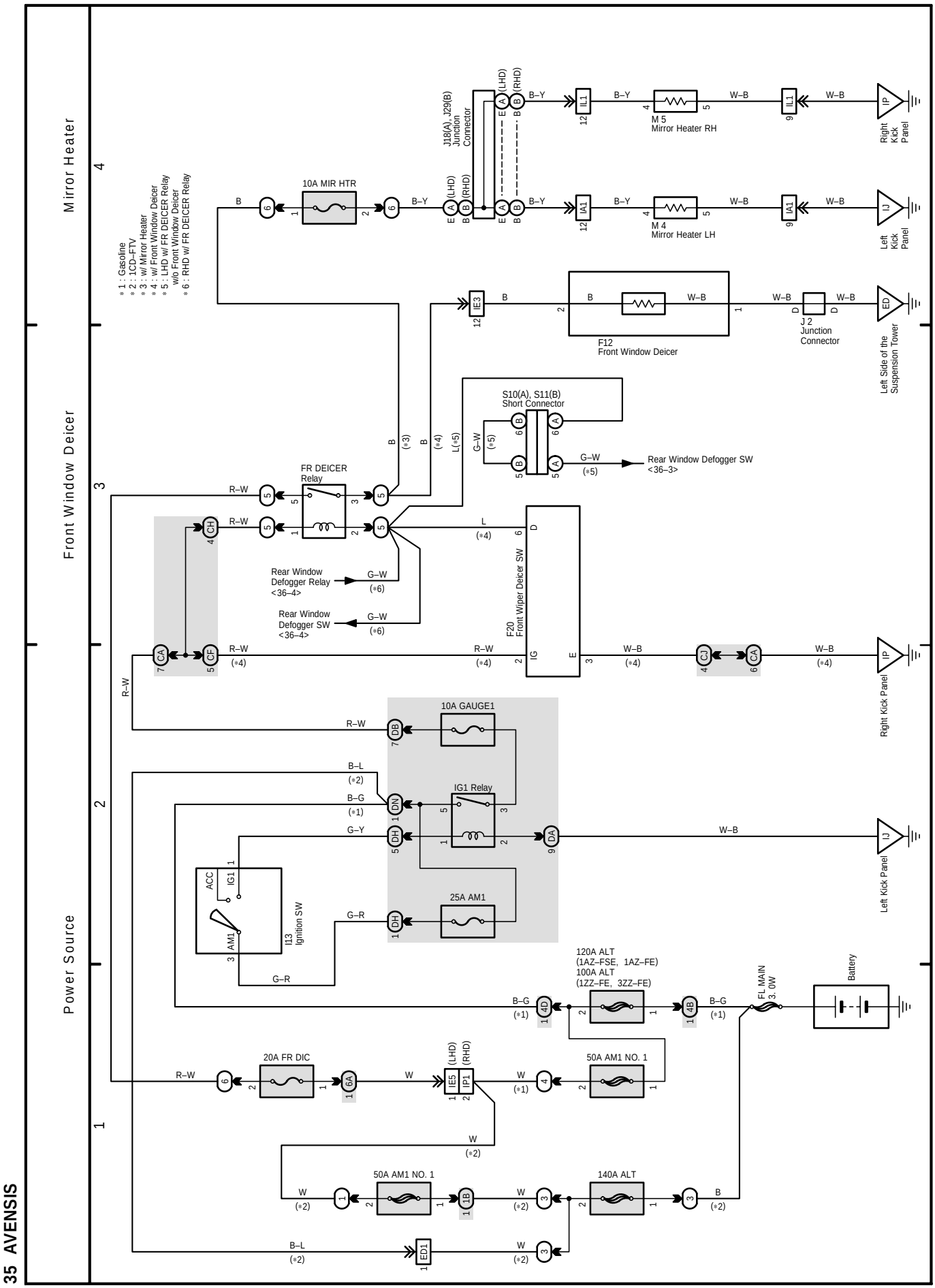

Shift Lock
Moon Roof
Power Source
Stop Light SW
<17–2>
G–W
STP
SLS–
SLS+
Shift Lock Solenoid
S 9
Shift Lock Control ECU
R–W
IG
E
W–B
J17 Junction Connector
J15 Junction Connector
Behind the Combination Meter
(RHD)
(LHD)
Right Kick Panel
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
M 6
Moon Roof Control Relay and Motor
CPU
SC
SO
GND
SPD
PWS
M 7
Moon Roof Control SW
CLS
Close
OPN
Open
Combination Meter<42–3>
L–W
+B
7. 5A RAD NO. 1
10A GAUGE1
IG1 Relay
25A DOOR
25A AM1
20A S/ROOF
I13
Ignition SW
ACC
IG1
AM1
Integration Relay
P/W
KSW
PCTY
DCTY
J 8(A), J26(B)
Junction Connector
Multiplex Communication System
<1–19><1–20><2–16><2–17>
Left Kick Panel
120A ALT (*3)
100A ALT (*4)
140A ALT
FL MAIN
3. 0W
Battery
B–G
B–L
(*1)
(*2)

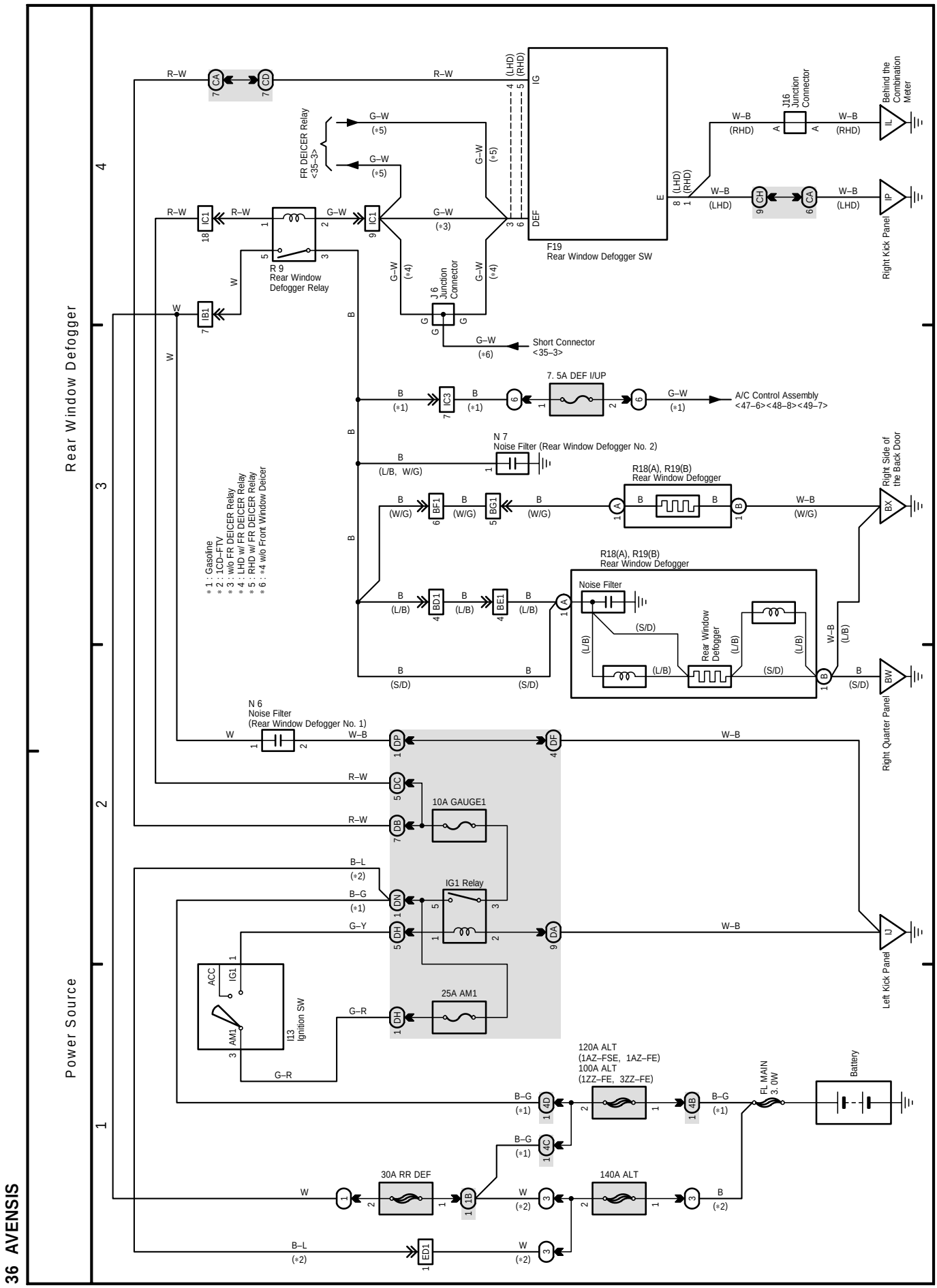

(Cont. next page)
* 1 : w/ Rear Power Window
* 2 : Gasoline
* 3 : 1CD–FTV
* 4 : w/ Moon Roof
* 5 : w/o Moon Roof
Power Window (LHD)
Power Source
33 AVENSIS
D17
Power Window Master SW
P12
Power Window Motor Front LH
20A D–FR P/W
20A P–RR P/W
20A D–RR P/W
20A P–FR P/W
7. 5A RAD NO. 1
10A GAUGE1
25A DOOR
25A AM1
IG1 Relay
Integration Relay
I13
Ignition SW
J18(A), J19(B)
Junction Connector
Multiplex Communication System
<1–19><1–20>
Left Kick Panel
120A ALT
(1AZ–FSE, 1AZ–FE)
100A ALT
(1ZZ–FE, 3ZZ–FE)
50A AM1 NO. 1
140A ALT
50A AM1 NO. 1
FL MAIN
3. 0W
Battery


33 AVENSIS (Cont' d)
Power Window (LHD)
* 1 : w/ Rear Power Window
* 6 : w/o Rear Power Window
D17
Power Window Master SW
P15
Power Window Motor Rear RH
P14
Power Window Motor Rear LH
P13
Power Window Motor Front RH
P11
Power Window Control SW
Rear RH
P10
Power Window Control SW
Rear LH
P 9
Power Window Control SW
(Front Passenger Side)
J10(B), J11(A)
Junction
Connector
Under the Right
Center Pillar
Under the Left
Center Pillar
Right Kick
Panel
DOWN
UP
AUTO
WL
E

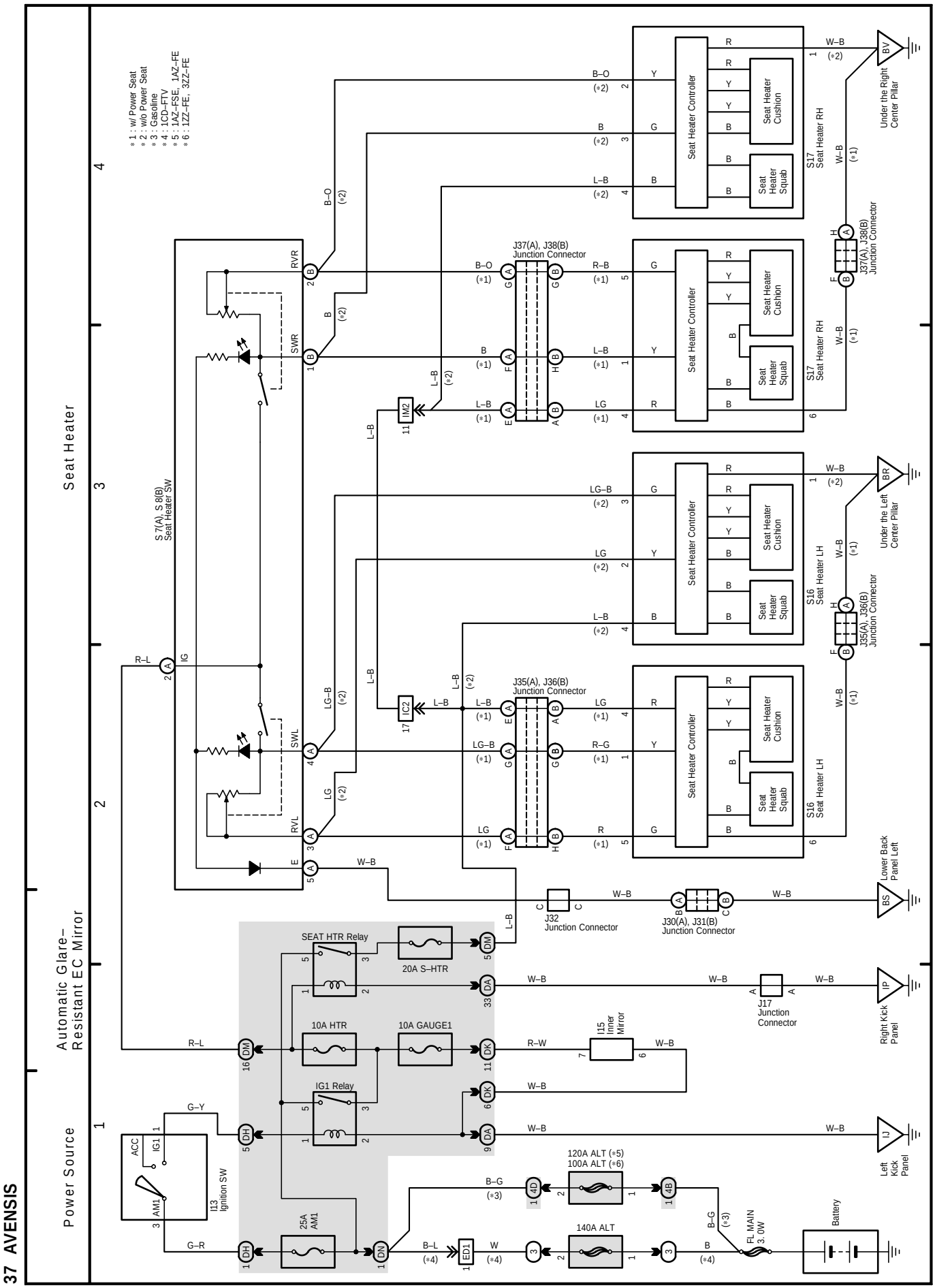

(Cont. next page)
* 1 : w/ Rear Power Window
* 2 : Gasoline
* 3 : 1CD–FTV
* 4 : w/ Moon Roof
* 5 : w/o Moon Roof
Power Window (RHD)
Power Source
D17
Power Window Master SW
P13
Power Window Motor Front RH
Right Kick Panel
Left Kick Panel
20A P–FR P/W
20A P–RR P/W
20A D–RR P/W
20A D–FR P/W
7. 5A RAD NO. 1
10A GAUGE1
25A DOOR
25A AM1
IG1 Relay
Integration Relay
I13
Ignition SW
J26(A), J27(B)
Junction Connector
Multiplex Communication System
<2–16><2–17>
120A ALT
(1AZ–FSE, 1AZ–FE)
100A ALT
(1ZZ–FE, 3ZZ–FE)
140A ALT
50A AM1 NO. 1
50A AM1 NO. 1
FL MAIN
3. 0W
Battery
34 AVENSIS

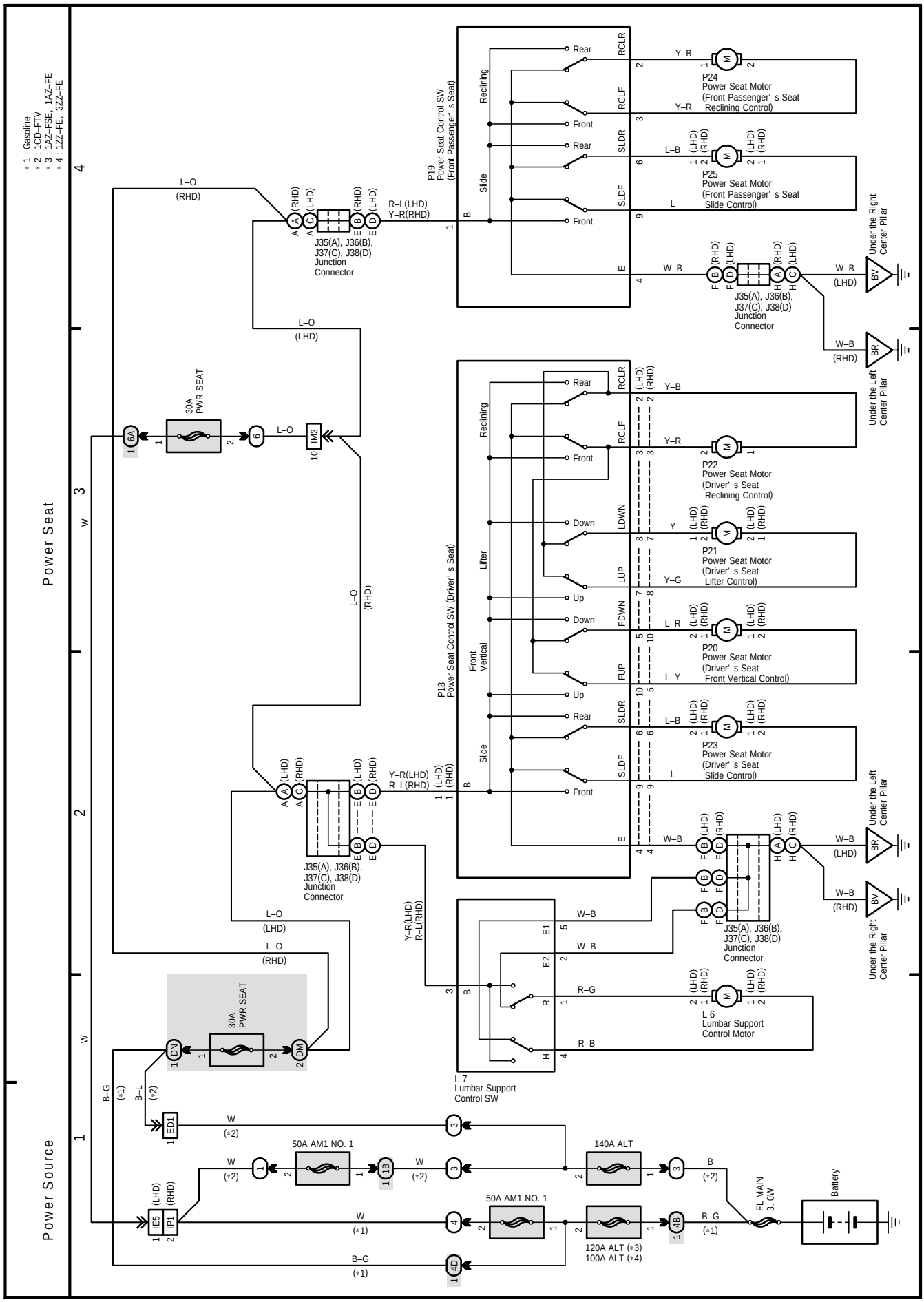

34 AVENSIS (Cont' d)
Power Window (RHD)
*1 : w/ Rear Power Window
*6 : w/o Rear Power Window
D17
Power Window Master SW
P15
Power Window Motor Rear RH
P14
Power Window Motor Rear LH
P12
Power Window Motor Front LH
P11
Power Window Control SW
Rear RH
P10
Power Window Control
SW Rear LH
P 9
Power Window Control SW
(Front Passenger Side)
Under the Right
Center Pillar
Under the Left
Center Pillar
Left Kick
Panel
DOWN
UP
AUTO
WL
E

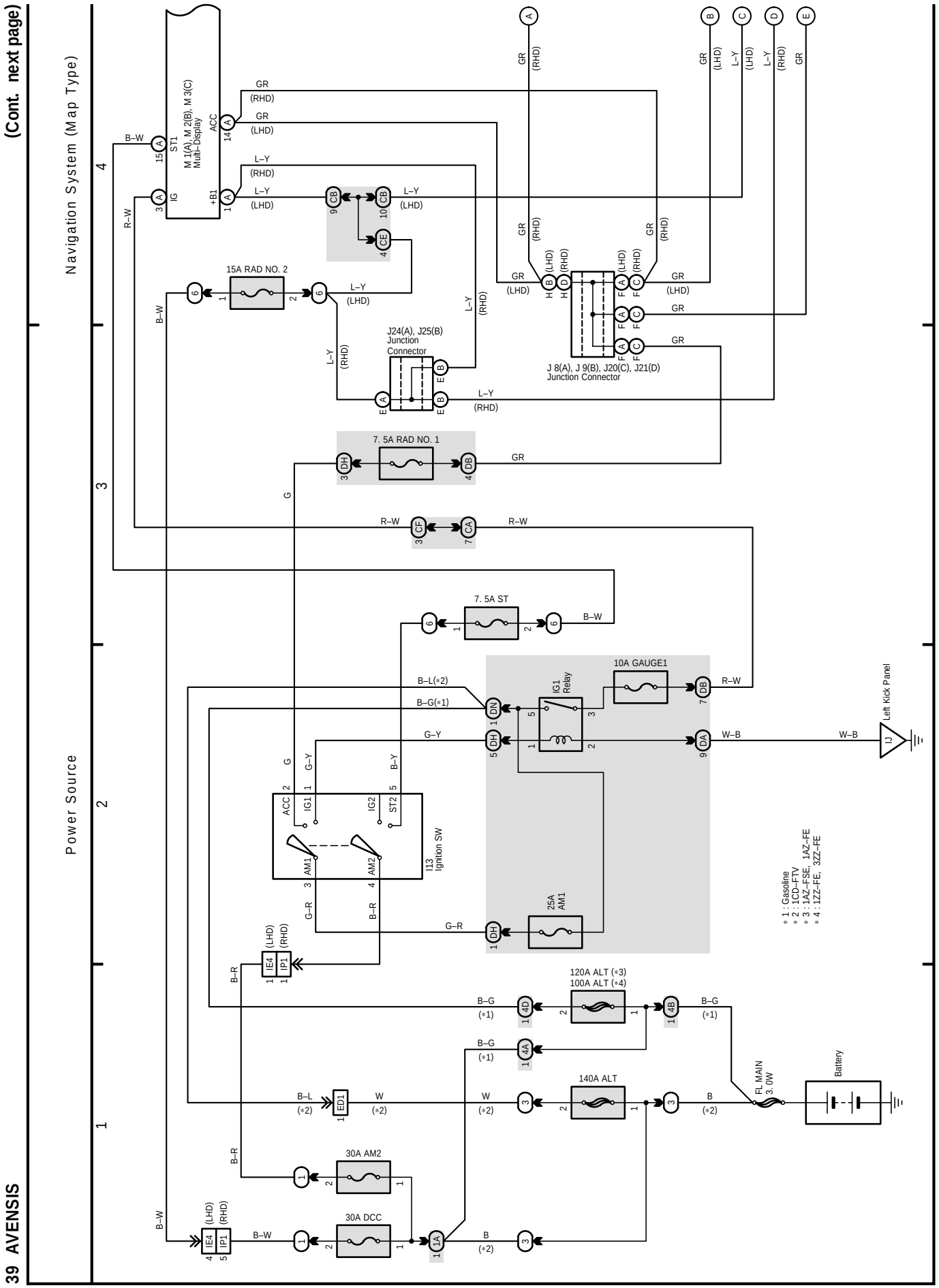

Mirror Heater
Front Window Deicer
Power Source
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : w/ Mirror Heater
* 4 : w/ Front Window Deicer
* 5 : LHD w/ FR DEICER Relay w/o Front Window Deicer
* 6 : RHD w/ FR DEICER Relay
10A MIR HTR
J18(A), J29(B) Junction Connector
M 5 Mirror Heater RH
M 4 Mirror Heater LH
Right Kick Panel
Left Kick Panel
F12 Front Window Deicer
J 2 Junction Connector
Left Side of the Suspension Tower
S10(A), S11(B) Short Connector
Rear Window Defogger SW <36–3>
FR DEICER Relay
Rear Window Defogger Relay <36–4>
Rear Window Defogger SW <36–4>
F20 Front Wiper Deicer SW
10A GAUGE1
IG1 Relay
25A AM1
I13 Ignition SW
120A ALT (1AZ–FSE, 1AZ–FE) 100A ALT (1ZZ–FE, 3ZZ–FE)
FL MAIN 3. 0W
Battery
20A FR DIC
50A AM1 NO. 1
50A AM1 NO. 1
140A ALT

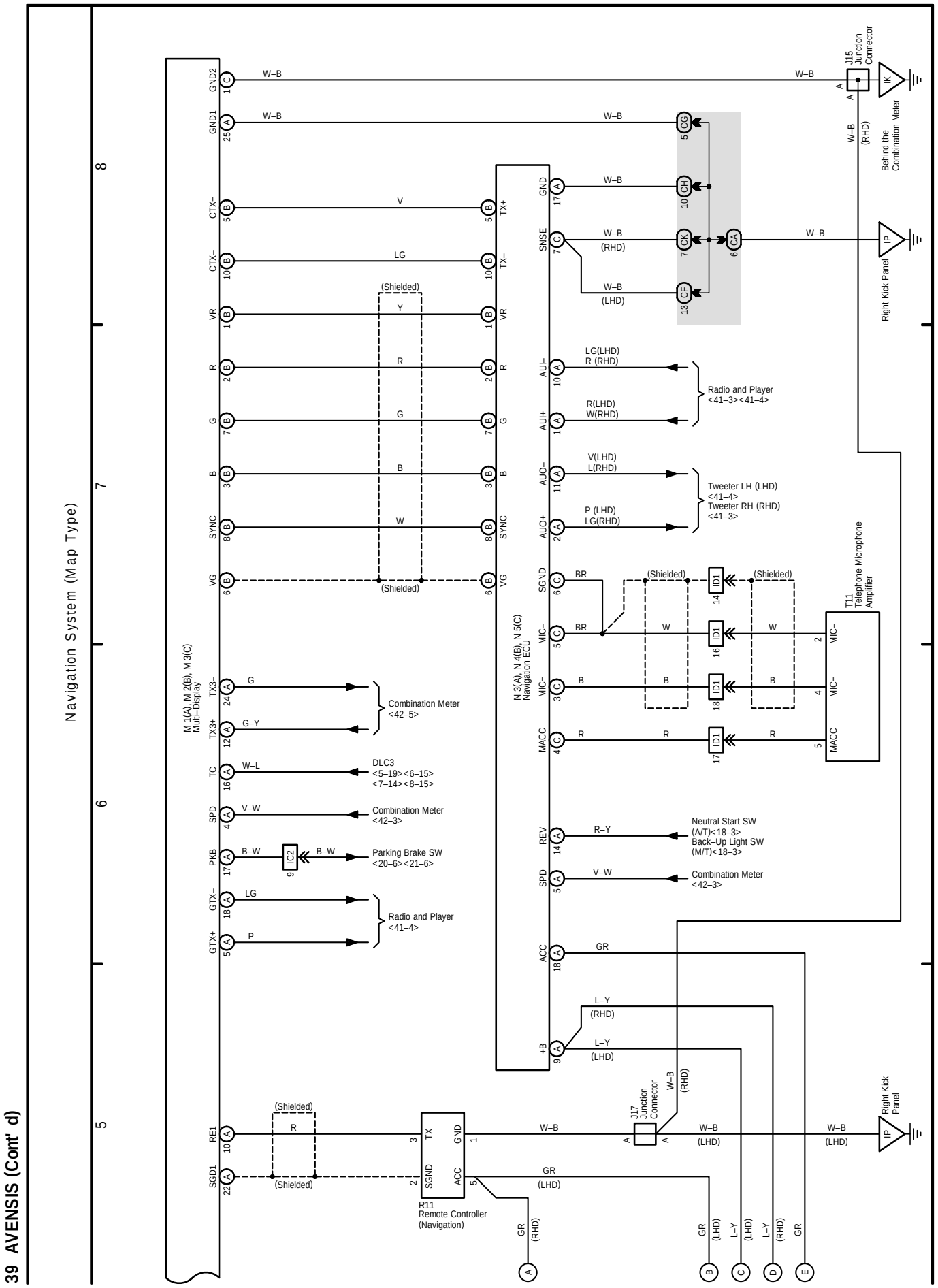

Rear Window Defogger
Power Source
1
2
3
4
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : w/o FR DEICER Relay
* 4 : LHD w/ FR DEICER Relay
* 5 : RHD w/ FR DEICER Relay
* 6 : *4 w/o Front Window Deicer
F19
Rear Window Defogger SW
R 9
Rear Window Defogger Relay
FR DEICER Relay <35–3>
J 6 Junction Connector
Short Connector <35–3>
7. 5A DEF I/UP
A/C Control Assembly <47–6><48–8><49–7>
N 7
Noise Filter (Rear Window Defogger No. 2)
R18(A), R19(B) Rear Window Defogger
Right Side of the Back Door
Noise Filter
Rear Window Defogger
N 6
Noise Filter (Rear Window Defogger No. 1)
Right Quarter Panel
10A GAUGE1
IG1 Relay
25A AM1
I13 Ignition SW
Left Kick Panel
J16 Junction Connector
Behind the Combination Meter
Right Kick Panel
120A ALT (1AZ–FSE, 1AZ–FE) 100A ALT (1ZZ–FE, 3ZZ–FE)
FL MAIN 3. 0W
Battery
30A RR DEF
140A ALT

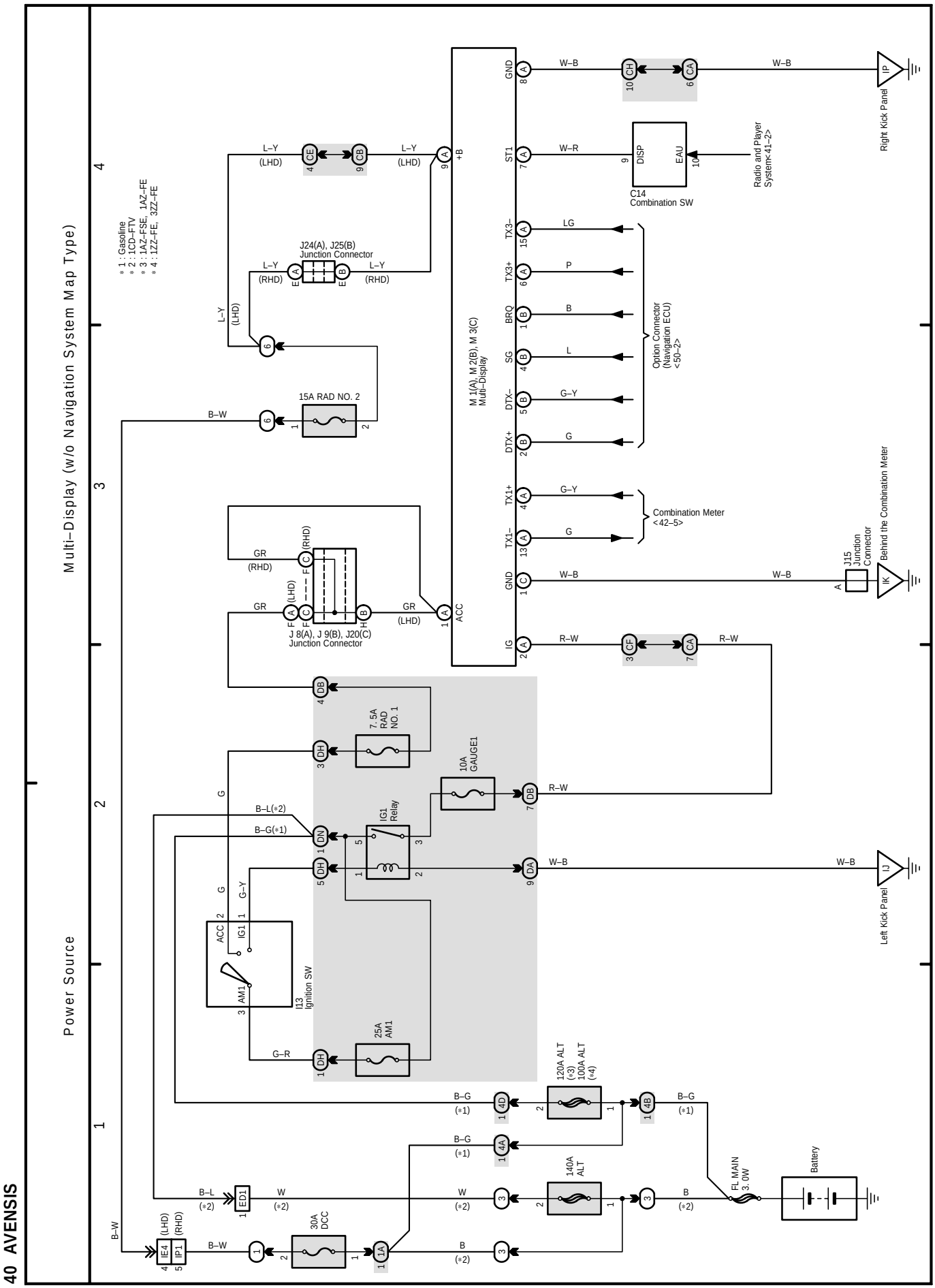
36 AVENSIS

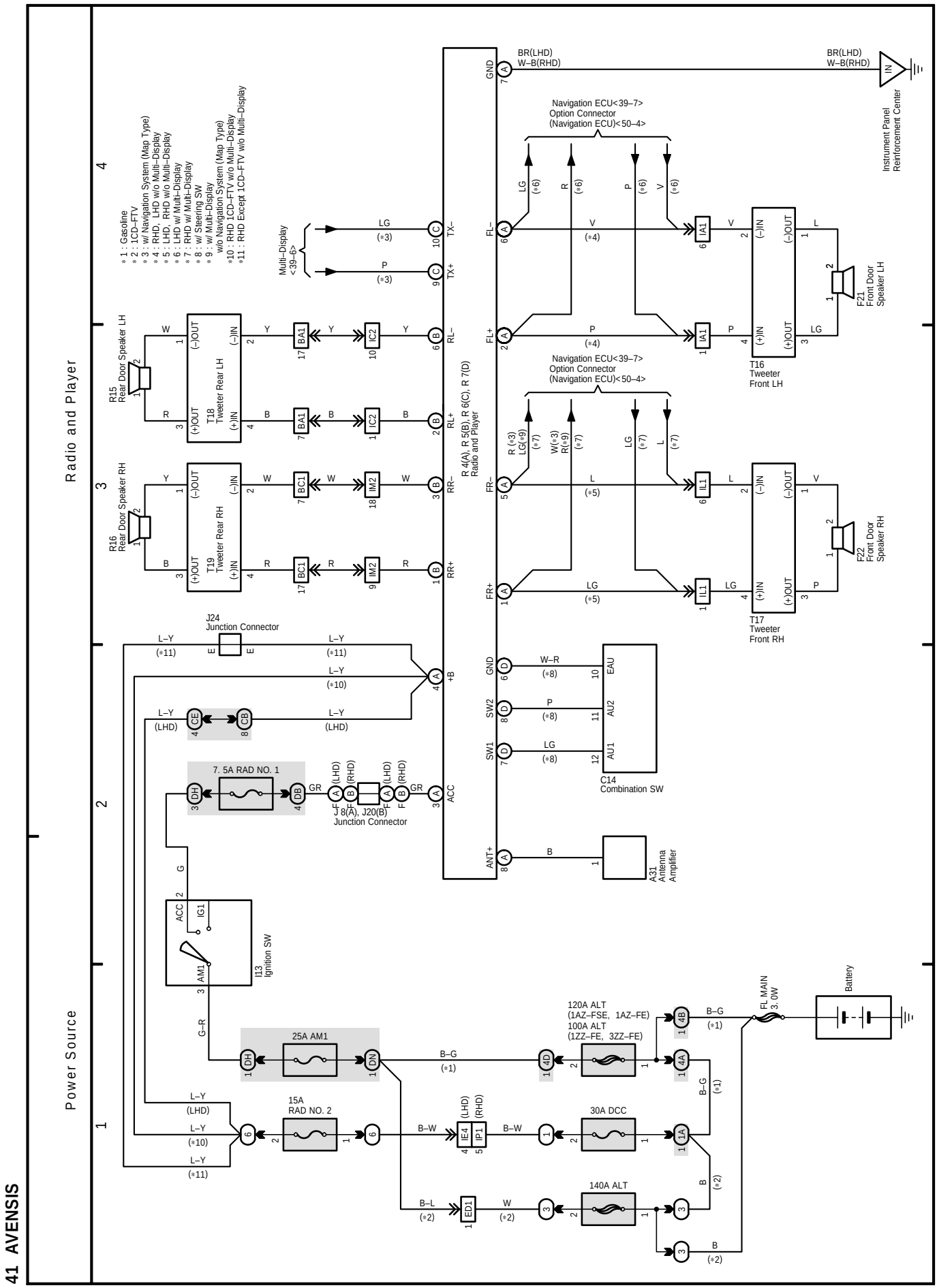

37 AVENSIS
Power Source
Automatic Glare-Resistant EC Mirror
Seat Heater
1
2
3
4
*1 : w/ Power Seat
*2 : w/o Power Seat
*3 : Gasoline
*4 : 1CD-FTV
*5 : 1AZ-FSE, 1AZ-FE
*6 : 1ZZ-FE, 3ZZ-FE
S 7(A), S 8(B) Seat Heater SW
I13 Ignition SW
ACC
IG1
AM1
IG
SWR
RVR
SWL
RVL
E
R-L
G-Y
G-R
W-B
B-O
B
L-B
LG-B
LG
R-B
R-G
R-W
B-G
B-L
W
SEAT HTR Relay
IG1 Relay
10A HTR
10A GAUGE1
20A S-HTR
25A AM1
120A ALT (*5)
100A ALT (*6)
140A ALT
FL MAIN 3. 0W
Battery
IM2
IC2
ED1
J37(A), J38(B) Junction Connector
J35(A), J36(B) Junction Connector
J32 Junction Connector
J30(A), J31(B) Junction Connector
J17 Junction Connector
I15 Inner Mirror
Seat Heater Controller
Seat Heater Cushion
Seat Heater Squab
S17 Seat Heater RH
S16 Seat Heater LH
Under the Right Center Pillar
Under the Left Center Pillar
Lower Back Panel Left
Right Kick Panel
Left Kick Panel

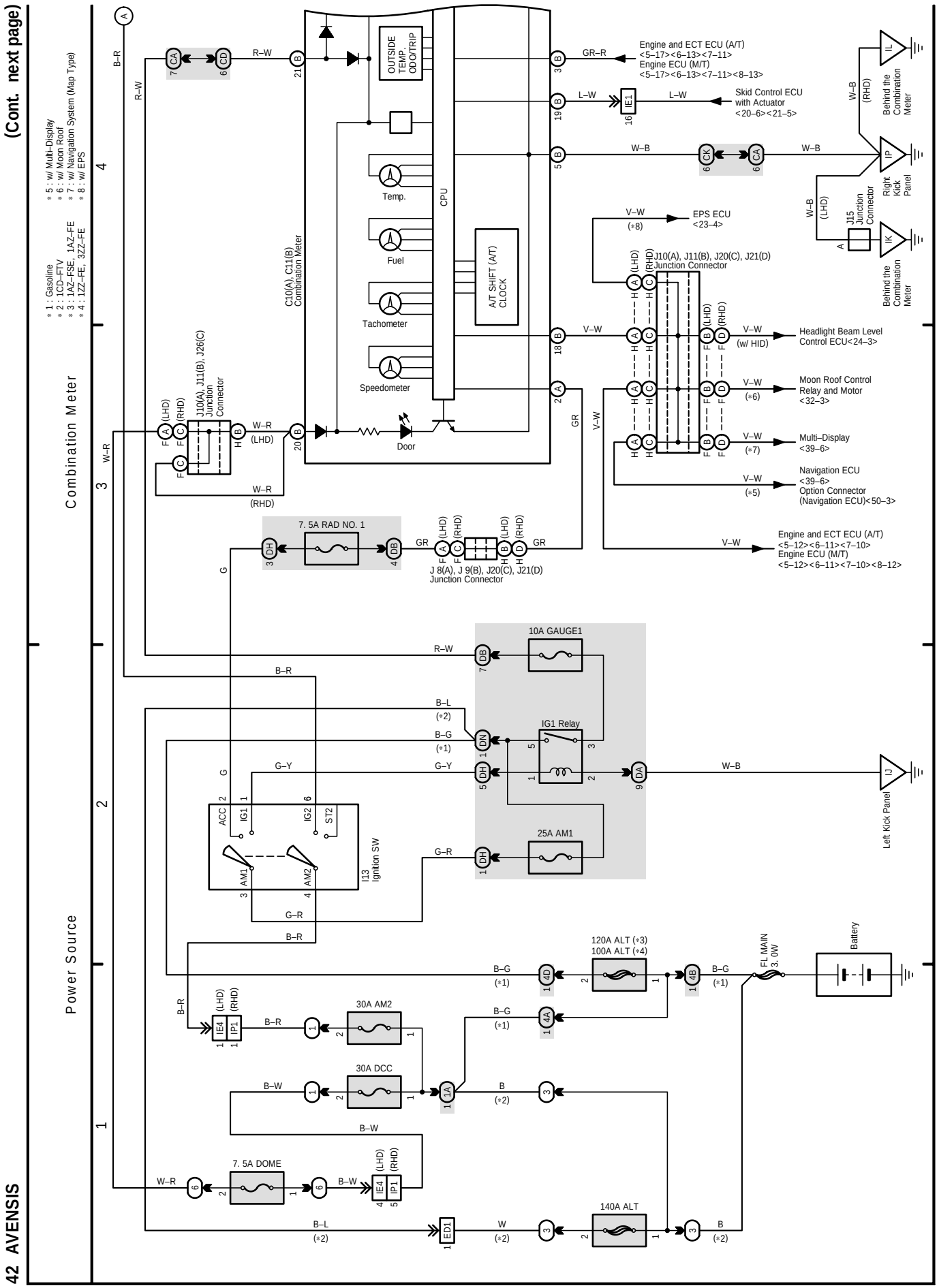

38 AVENSIS
Power Source
Power Seat
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
30A PWR SEAT
J35(A), J36(B), J37(C), J38(D) Junction Connector
P19 Power Seat Control SW (Front Passenger' s Seat)
P24 Power Seat Motor (Front Passenger' s Seat Reclining Control)
P25 Power Seat Motor (Front Passenger' s Seat Slide Control)
P18 Power Seat Control SW (Driver' s Seat)
P22 Power Seat Motor (Driver' s Seat Reclining Control)
P21 Power Seat Motor (Driver' s Seat Lifter Control)
P20 Power Seat Motor (Driver' s Seat Front Vertical Control)
P23 Power Seat Motor (Driver' s Seat Slide Control)
L 6 Lumbar Support Control Motor
L 7 Lumbar Support Control SW
50A AM1 NO. 1
140A ALT
120A ALT (*3)
100A ALT (*4)
FL MAIN 3. 0W
Battery
Under the Right Center Pillar
Under the Left Center Pillar

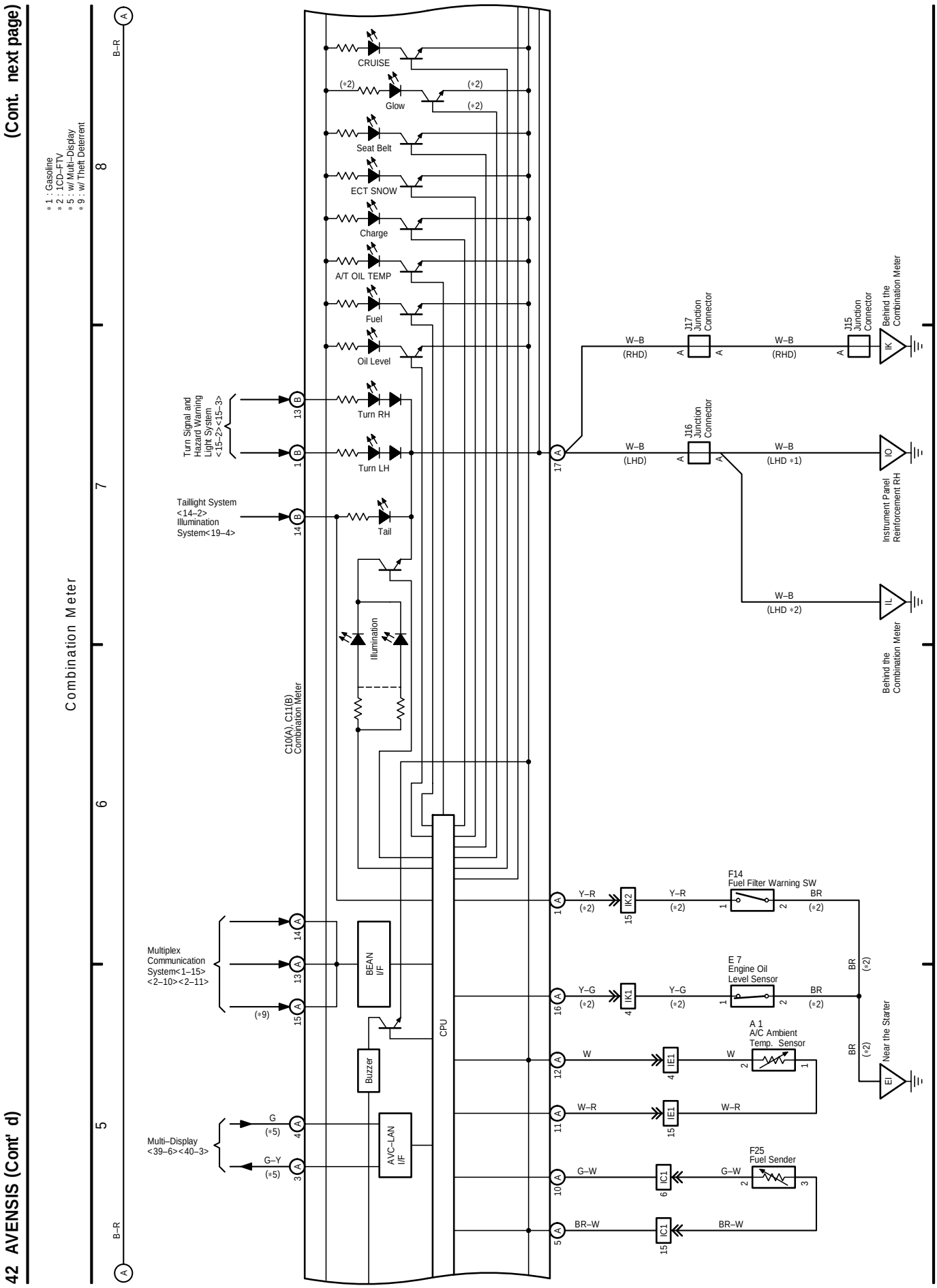

(Cont. next page)
Navigation System (Map Type)
Power Source
39 AVENSIS
M 1(A), M 2(B), M 3(C)
Multi–Display
ST1
ACC
IG
+B1
15A RAD NO. 2
7. 5A RAD NO. 1
7. 5A ST
J24(A), J25(B)
Junction
Connector
J 8(A), J 9(B), J20(C), J21(D)
Junction Connector
10A GAUGE1
IG1
Relay
I13
Ignition SW
25A
AM1
120A ALT (*3)
100A ALT (*4)
140A ALT
30A AM2
30A DCC
FL MAIN
3. 0W
Battery
Left Kick Panel
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE

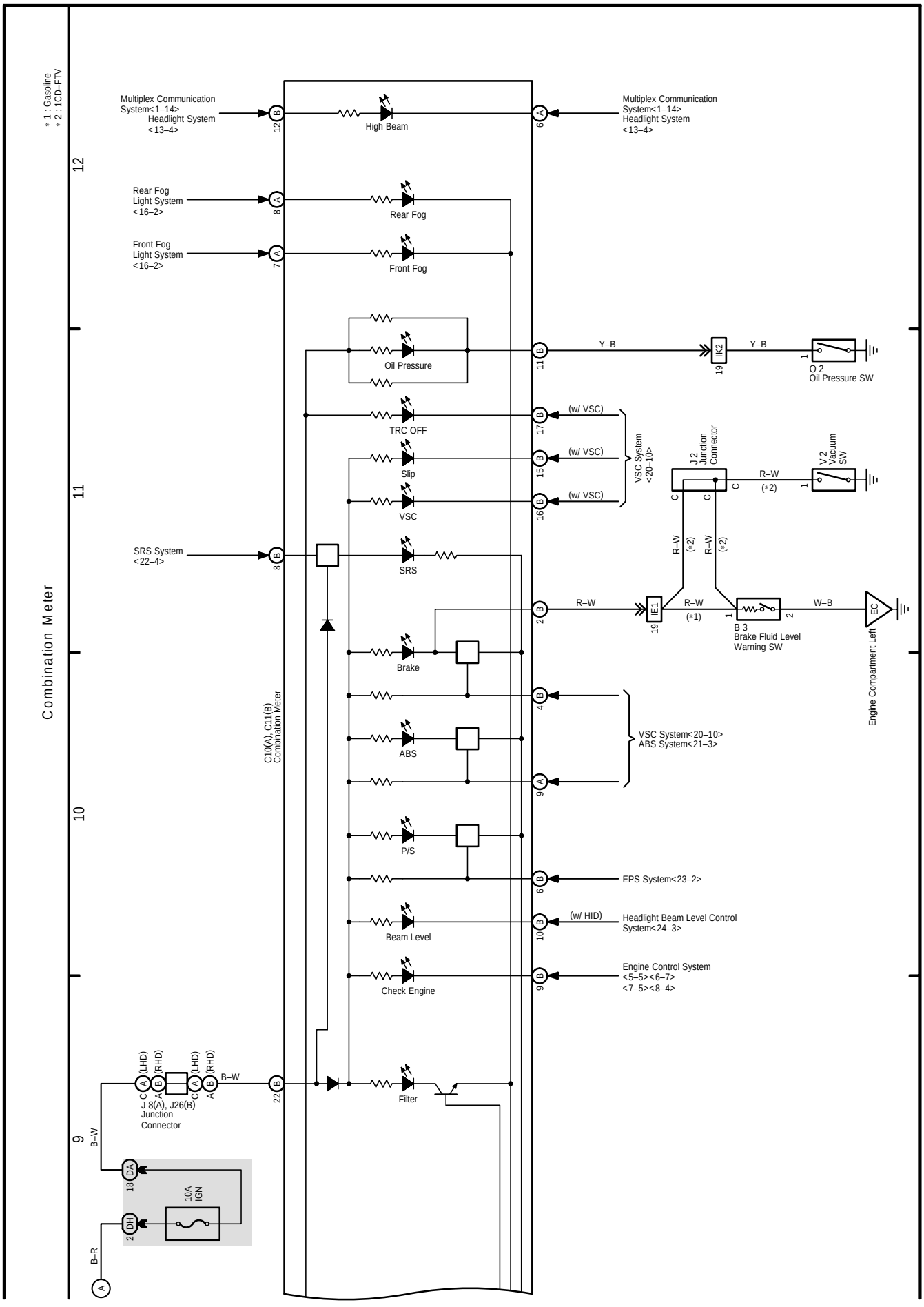

39 AVENSIS (Cont' d)
Navigation System (Map Type)
8
7
6
5
M 1(A), M 2(B), M 3(C)
Multi–Display
N 3(A), N 4(B), N 5(C)
Navigation ECU
J15
Junction
Connector
Behind the
Combination Meter
Right Kick Panel
Radio and Player
<41–3><41–4>
Tweeter LH (LHD)
<41–4>
Tweeter RH (RHD)
<41–3>
T11
Telephone Microphone
Amplifier
Combination Meter
<42–5>
DLC3
<5–19><6–15>
<7–14><8–15>
Combination Meter
<42–3>
Parking Brake SW
<20–6><21–6>
Radio and Player
<41–4>
Neutral Start SW
(A/T)<18–3>
Back–Up Light SW
(M/T)<18–3>
Combination Meter
<42–3>
J17
Junction
Connector
Right Kick
Panel
R11
Remote Controller
(Navigation)
(Shielded)
W–B
(RHD)
W–B
(LHD)
LG(LHD)
R (RHD)
R(LHD)
W(RHD)
V(LHD)
L(RHD)
P (LHD)
LG(RHD)
L–Y
(RHD)
L–Y
(LHD)
GR
(LHD)
GR
(RHD)


Multi–Display (w/o Navigation System Map Type)
Power Source
40 AVENSIS
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
M 1(A), M 2(B), M 3(C)
Multi–Display
J24(A), J25(B)
Junction Connector
15A RAD NO. 2
J 8(A), J 9(B), J20(C)
Junction Connector
C14
Combination SW
Radio and Player
System<41–2>
Right Kick Panel
Option Connector
(Navigation ECU)
<50–2>
Combination Meter
<42–5>
J15
Junction
Connector
Behind the Combination Meter
Left Kick Panel
7.5A
RAD
NO. 1
10A
GAUGE1
IG1
Relay
I13
Ignition SW
25A
AM1
120A ALT
(*3)
100A ALT
(*4)
140A
ALT
30A
DCC
FL MAIN
3.0W
Battery

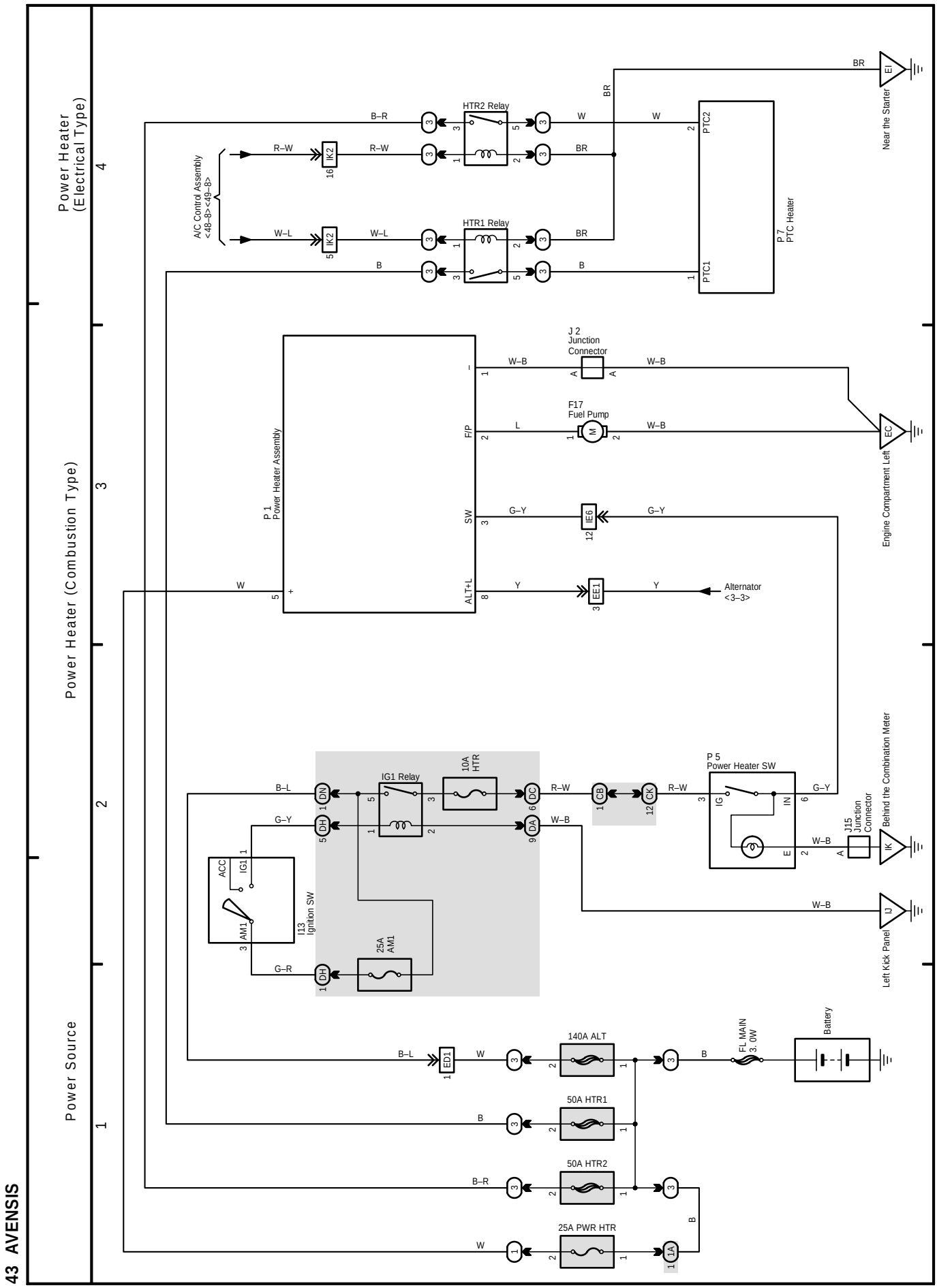

41 AVENSIS
Power Source
Radio and Player
1
2
3
4
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : w/ Navigation System (Map Type)
* 4 : RHD, LHD w/o Multi–Display
* 5 : LHD, RHD w/o Multi–Display
* 6 : LHD w/ Multi–Display
* 7 : RHD w/ Multi–Display
* 8 : w/ Steering SW
* 9 : w/ Multi–Display
w/o Navigation System (Map Type)
*10 : RHD 1CD–FTV w/o Multi–Display
*11 : RHD Except 1CD–FTV w/o Multi–Display
Multi–Display <39–6>
LG (*3)
P (*3)
TX–
TX+
R15 Rear Door Speaker LH
R16 Rear Door Speaker RH
T18 Tweeter Rear LH
T19 Tweeter Rear RH
(–)OUT
(+)OUT
(–)IN
(+)IN
BA1
BC1
IC2
IM2
RL–
RL+
RR–
RR+
R 4(A), R 5(B), R 6(C), R 7(D) Radio and Player
J24 Junction Connector
L–Y (*11)
L–Y (*10)
L–Y (LHD)
+B
ACC
7. 5A RAD NO. 1
GR
J 8(A), J20(B) Junction Connector
(LHD)
(RHD)
I13 Ignition SW
ACC
IG1
AM1
G
G–R
25A AM1
15A RAD NO. 2
B–W
B–L
IE4
IP1
ED1
30A DCC
140A ALT
120A ALT (1AZ–FSE, 1AZ–FE) 100A ALT (1ZZ–FE, 3ZZ–FE)
B–G (*1)
B (*2)
FL MAIN 3. 0W
Battery
GND
SW2
SW1
ANT+
W–R (*8)
P (*8)
LG (*8)
B
C14 Combination SW
EAU
AU2
AU1
A31 Antenna Amplifier
BR(LHD) W–B(RHD)
IN
Instrument Panel Reinforcement Center
Navigation ECU<39–7> Option Connector (Navigation ECU)<50–4>
FL–
FL+
FR–
FR+
IA1
IL1
V (*4)
P (*4)
L (*5)
LG (*5)
R (*3) LG(*9) (*7)
W(*3) R(*9) (*7)
LG (*7)
L (*7)
T16 Tweeter Front LH
T17 Tweeter Front RH
F21 Front Door Speaker LH
F22 Front Door Speaker RH

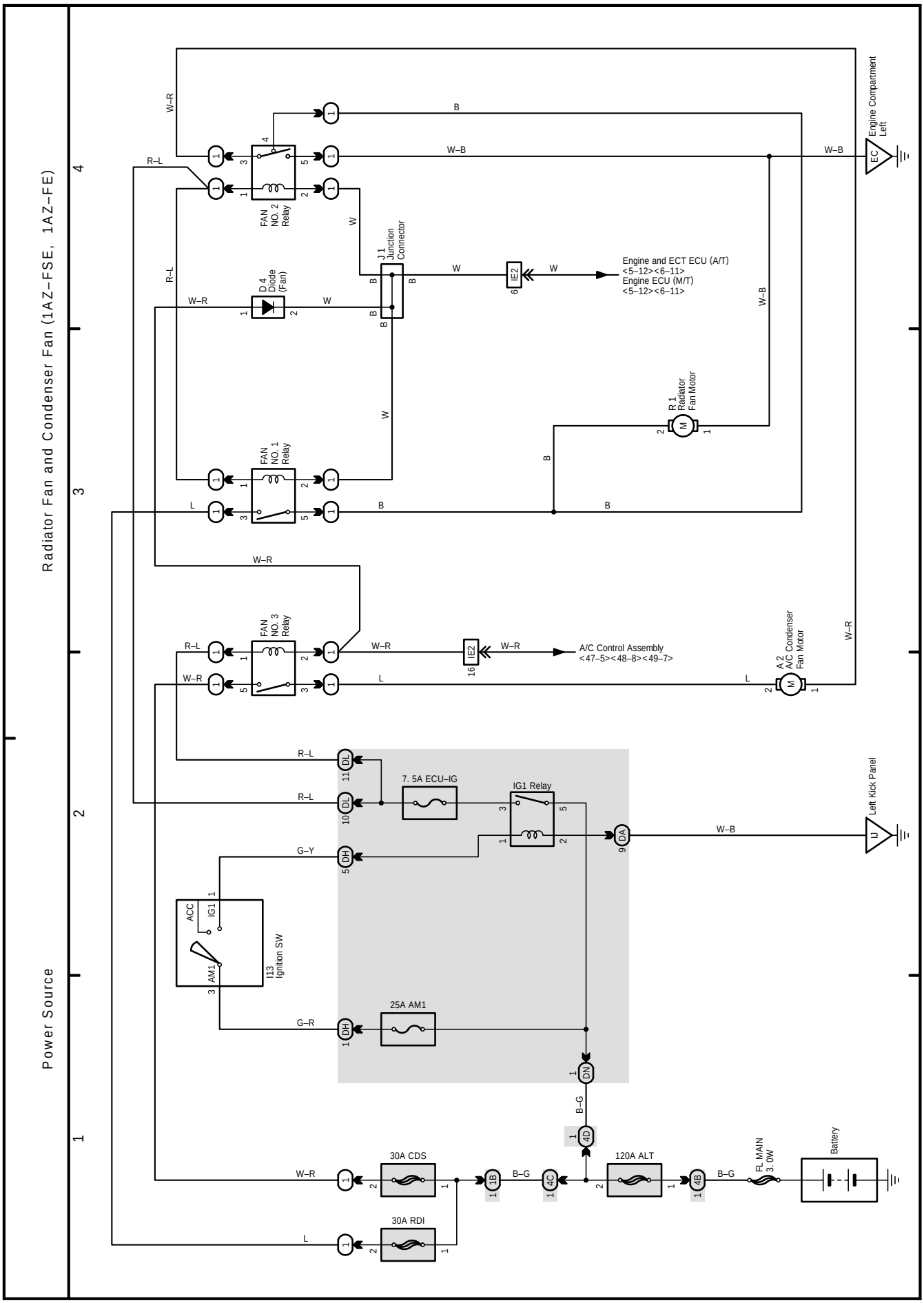

(Cont. next page)
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : w/ Multi–Display
* 6 : w/ Moon Roof
* 7 : w/ Navigation System (Map Type)
* 8 : w/ EPS
Combination Meter
Power Source
OUTSIDE TEMP. ODO/TRIP
CPU
Temp.
Fuel
Tachometer
Speedometer
A/T SHIFT (A/T) CLOCK
Door
C10(A), C11(B) Combination Meter
Engine and ECT ECU (A/T) <5–17><6–13><7–11> Engine ECU (M/T) <5–17><6–13><7–11><8–13>
Skid Control ECU with Actuator <20–6><21–5>
EPS ECU <23–4>
J10(A), J11(B), J20(C), J21(D) Junction Connector
Headlight Beam Level Control ECU<24–3>
Moon Roof Control Relay and Motor <32–3>
Multi–Display <39–6>
Navigation ECU <39–6> Option Connector (Navigation ECU)<50–3>
Engine and ECT ECU (A/T) <5–12><6–11><7–10> Engine ECU (M/T) <5–12><6–11><7–10><8–12>
J10(A), J11(B), J26(C) Junction Connector
J 8(A), J 9(B), J20(C), J21(D) Junction Connector
J15 Junction Connector
Behind the Combination Meter
Right Kick Panel
Left Kick Panel
7. 5A RAD NO. 1
10A GAUGE1
IG1 Relay
25A AM1
I13 Ignition SW
120A ALT (*3) 100A ALT (*4)
140A ALT
30A AM2
30A DCC
7. 5A DOME
FL MAIN 3. 0W
Battery

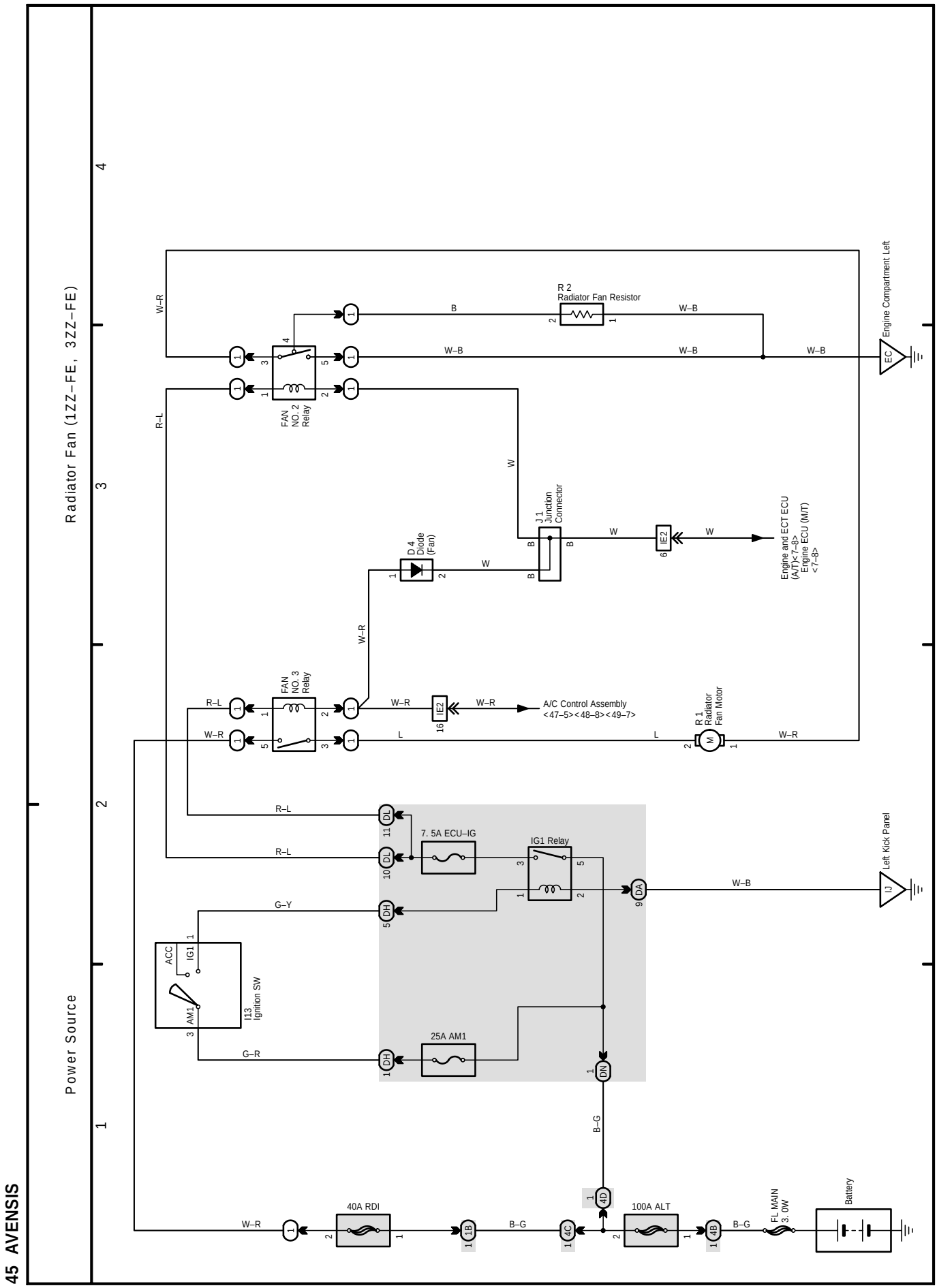

42 AVENSIS (Cont' d)
(Cont. next page)
* 1 : Gasoline
* 2 : 1CD–FTV
* 5 : w/ Multi–Display
* 9 : w/ Theft Deterrent
Combination Meter
CRUISE
Glow
Seat Belt
ECT SNOW
Charge
A/T OIL TEMP
Fuel
Oil Level
Turn RH
Turn LH
Tail
Illumination
Turn Signal and Hazard Warning Light System <15–2><15–3>
Taillight System <14–2> Illumination System<19–4>
C10(A), C11(B) Combination Meter
Multiplex Communication System<1–15> <2–10><2–11>
Multi–Display <39–6><40–3>
BEAN I/F
AVC–LAN I/F
Buzzer
CPU
J17 Junction Connector
J15 Junction Connector
J16 Junction Connector
Behind the Combination Meter
Instrument Panel Reinforcement RH
F14 Fuel Filter Warning SW
E 7 Engine Oil Level Sensor
A 1 A/C Ambient Temp. Sensor
F25 Fuel Sender
Near the Starter
W–B (RHD)
W–B (LHD)
W–B (LHD *1)
W–B (LHD *2)
Y–R
Y–G
W
W–R
G–W
BR–W
BR
G
G–Y
B–R

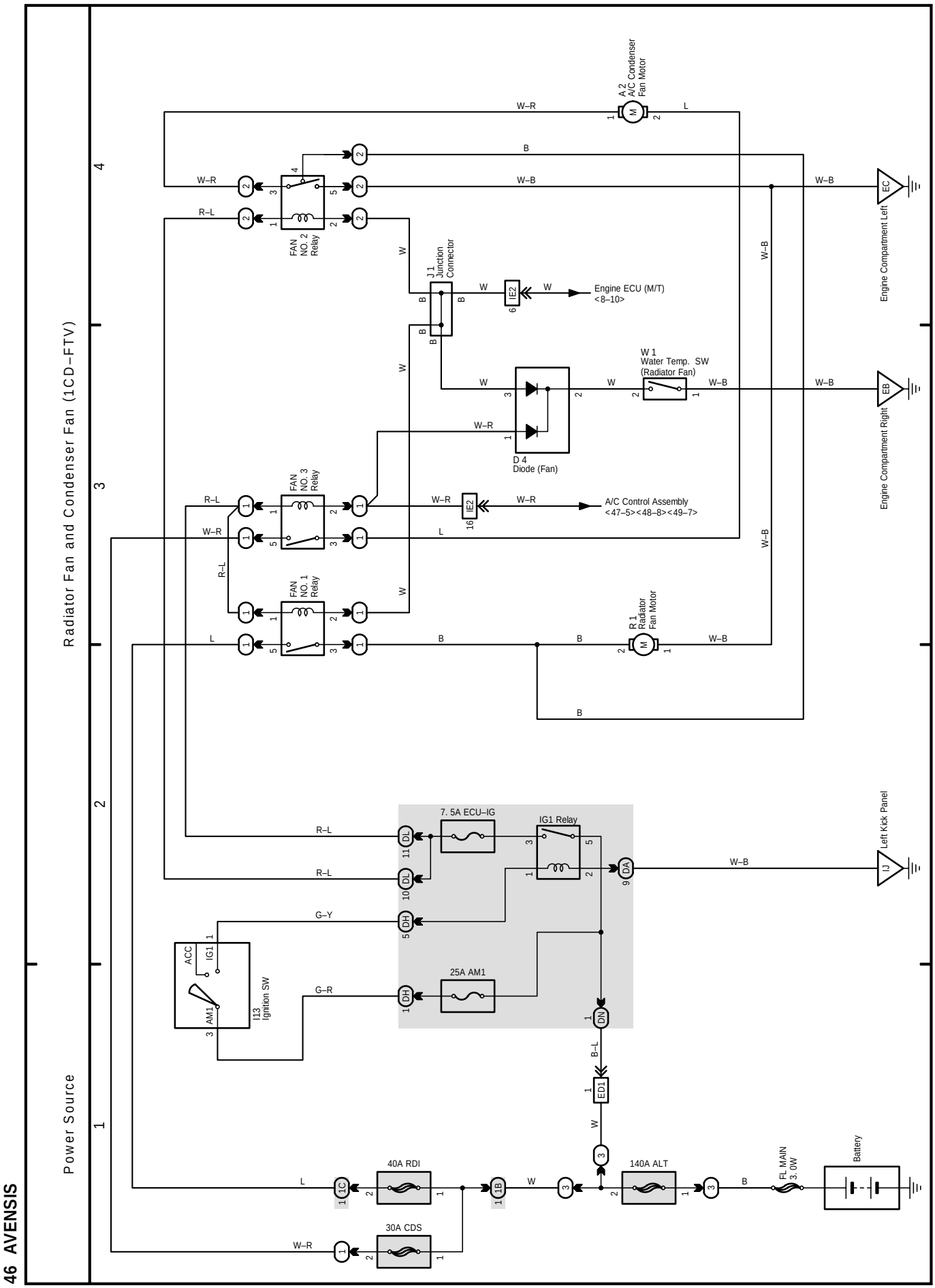


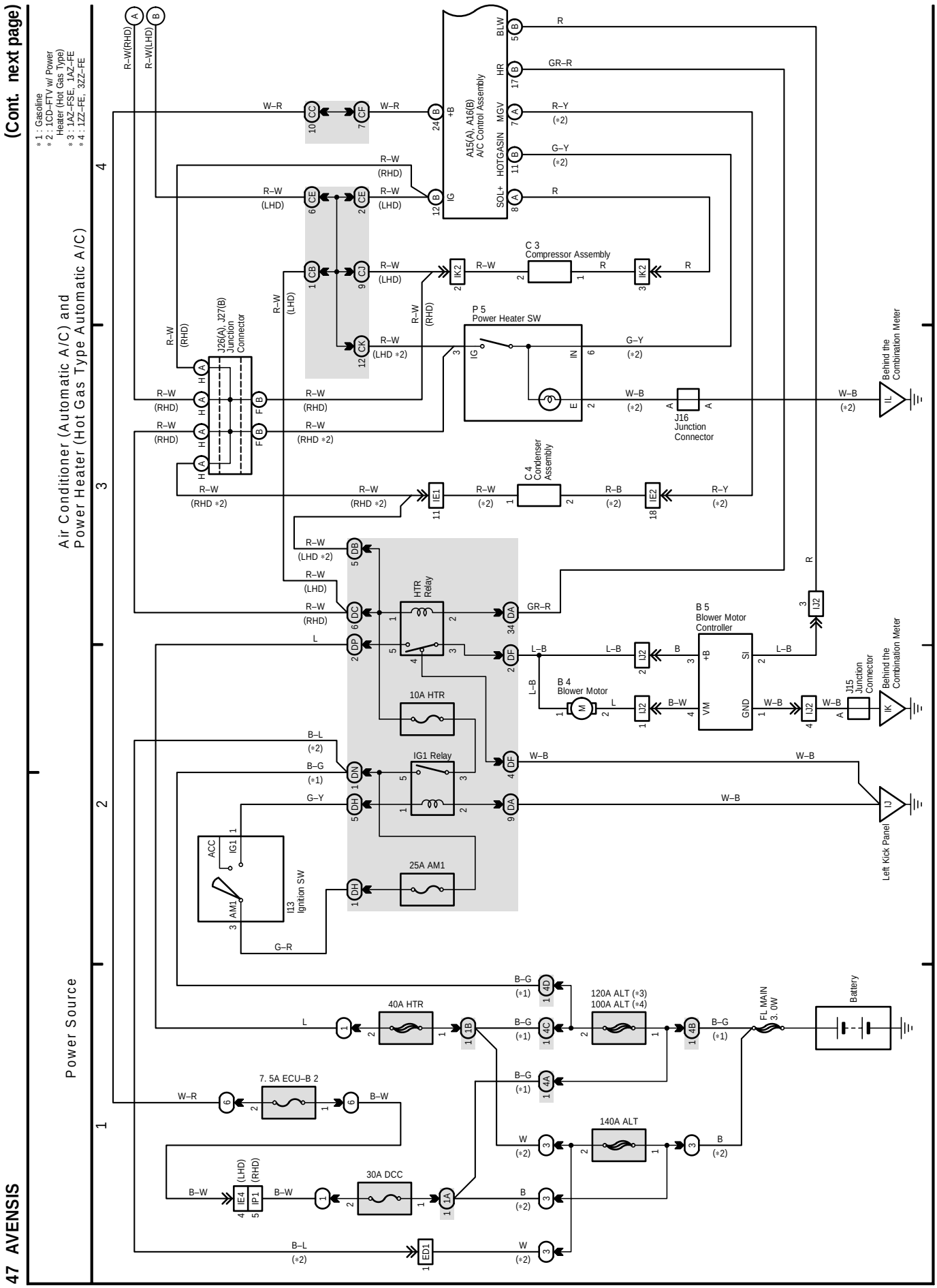
42 AVENSIS (Cont' d)


Power Source
Power Heater (Combustion Type)
Power Heater (Electrical Type)
1
2
3
4
140A ALT
50A HTR1
50A HTR2
25A PWR HTR
Battery
FL MAIN 3. 0W
IG1 Relay
10A HTR
25A AM1
HTR1 Relay
HTR2 Relay
P 1 Power Heater Assembly
P 5 Power Heater SW
P 7 PTC Heater
F17 Fuel Pump
J 2 Junction Connector
J15 Junction Connector
113 Ignition SW
A/C Control Assembly <48–8><49–8>
Alternator <3–3>
Near the Starter
Engine Compartment Left
Behind the Combination Meter
Left Kick Panel

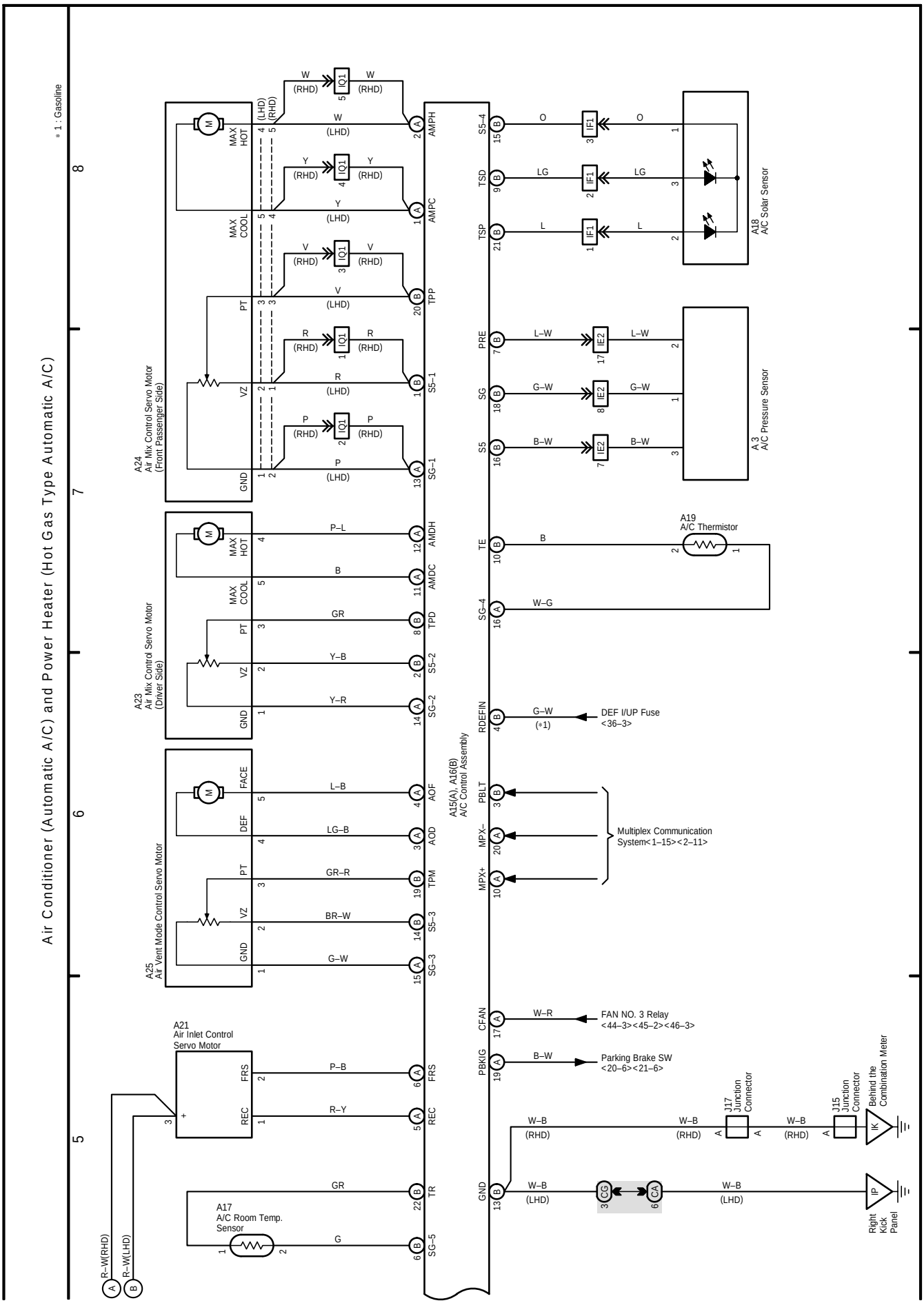

Radiator Fan and Condenser Fan (1AZ–FSE, 1AZ–FE)
Power Source
44 AVENSIS
FAN NO. 2 Relay
FAN NO. 1 Relay
FAN NO. 3 Relay
D 4 Diode (Fan)
J 1 Junction Connector
R 1 Radiator Fan Motor
A 2 A/C Condenser Fan Motor
Engine and ECT ECU (A/T) <5–12><6–11>
Engine ECU (M/T) <5–12><6–11>
A/C Control Assembly <47–5><48–8><49–7>
Engine Compartment Left
Left Kick Panel
7. 5A ECU–IG
IG1 Relay
25A AM1
I 13 Ignition SW
ACC
IG1
AM1
30A CDS
30A RDI
120A ALT
FL MAIN 3. 0W
Battery
R–L
W–R
W–B
B–G
G–Y
G–R
L
W
B

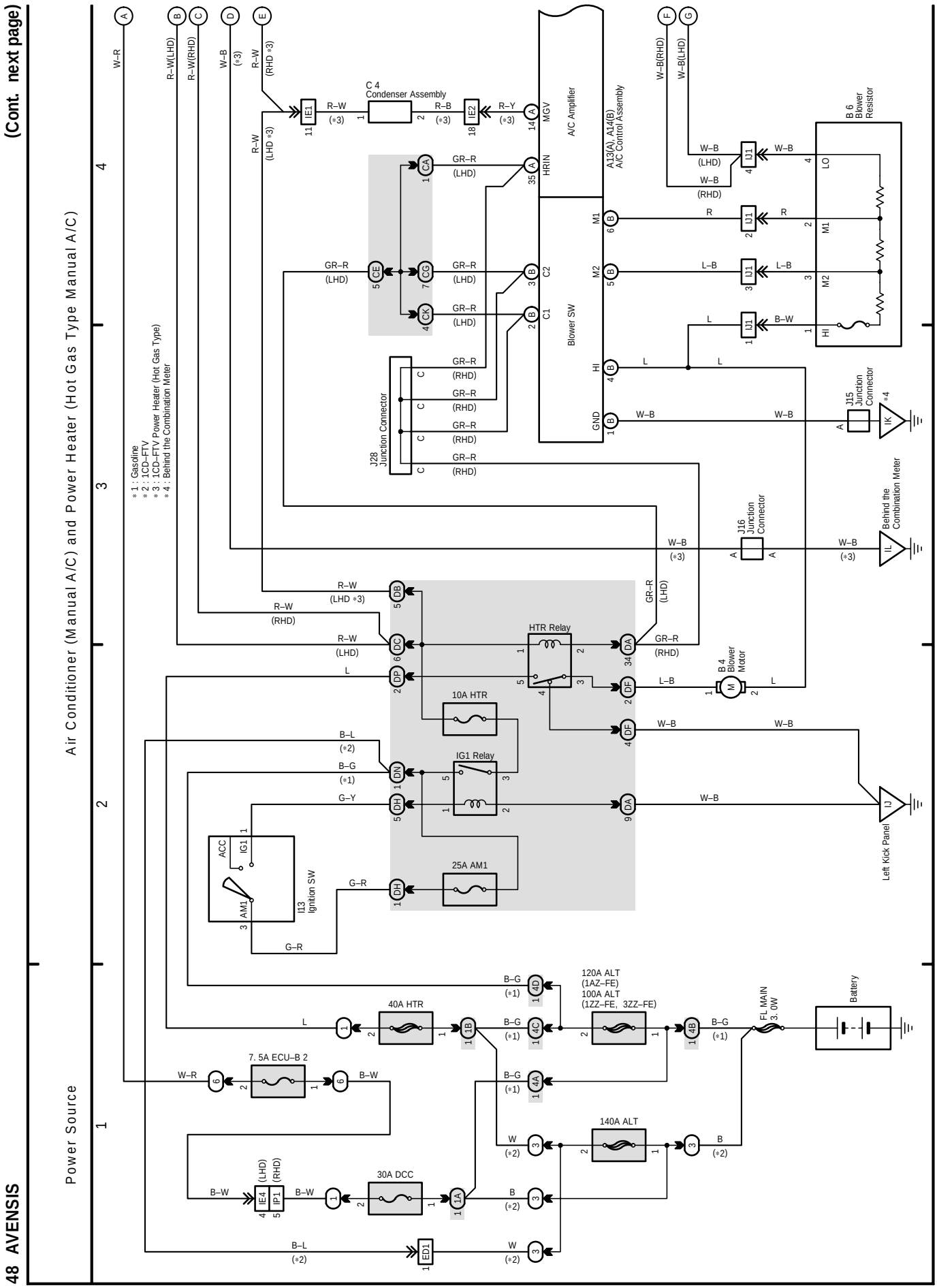

45 AVENSIS
Power Source
Radiator Fan (1ZZ–FE, 3ZZ–FE)
1
2
3
4
R 2
Radiator Fan Resistor
FAN NO. 2 Relay
FAN NO. 3 Relay
D 4
Diode (Fan)
J 1
Junction Connector
IE2
Engine and ECT ECU (A/T)<7–8>
Engine ECU (M/T) <7–8>
A/C Control Assembly <47–5><48–8><49–7>
R 1
Radiator Fan Motor
Engine Compartment Left
EC
Left Kick Panel
IJ
7. 5A ECU–IG
IG1 Relay
25A AM1
I13
Ignition SW
ACC
IG1
AM1
40A RDI
100A ALT
FL MAIN
3. 0W
Battery
W–R
R–L
W–B
G–Y
G–R
B–G
W
B
L


Radiator Fan and Condenser Fan (1CD–FTV)
Power Source
A 2 A/C Condenser Fan Motor
FAN NO. 2 Relay
FAN NO. 3 Relay
FAN NO. 1 Relay
J 1 Junction Connector
IE2
Engine ECU (M/T) <8–10>
W 1 Water Temp. SW (Radiator Fan)
D 4 Diode (Fan)
A/C Control Assembly <47–5><48–8><49–7>
R 1 Radiator Fan Motor
Engine Compartment Left
Engine Compartment Right
Left Kick Panel
7. 5A ECU–IG
IG1 Relay
25A AM1
I13 Ignition SW
40A RDI
30A CDS
140A ALT
FL MAIN 3. 0W
Battery

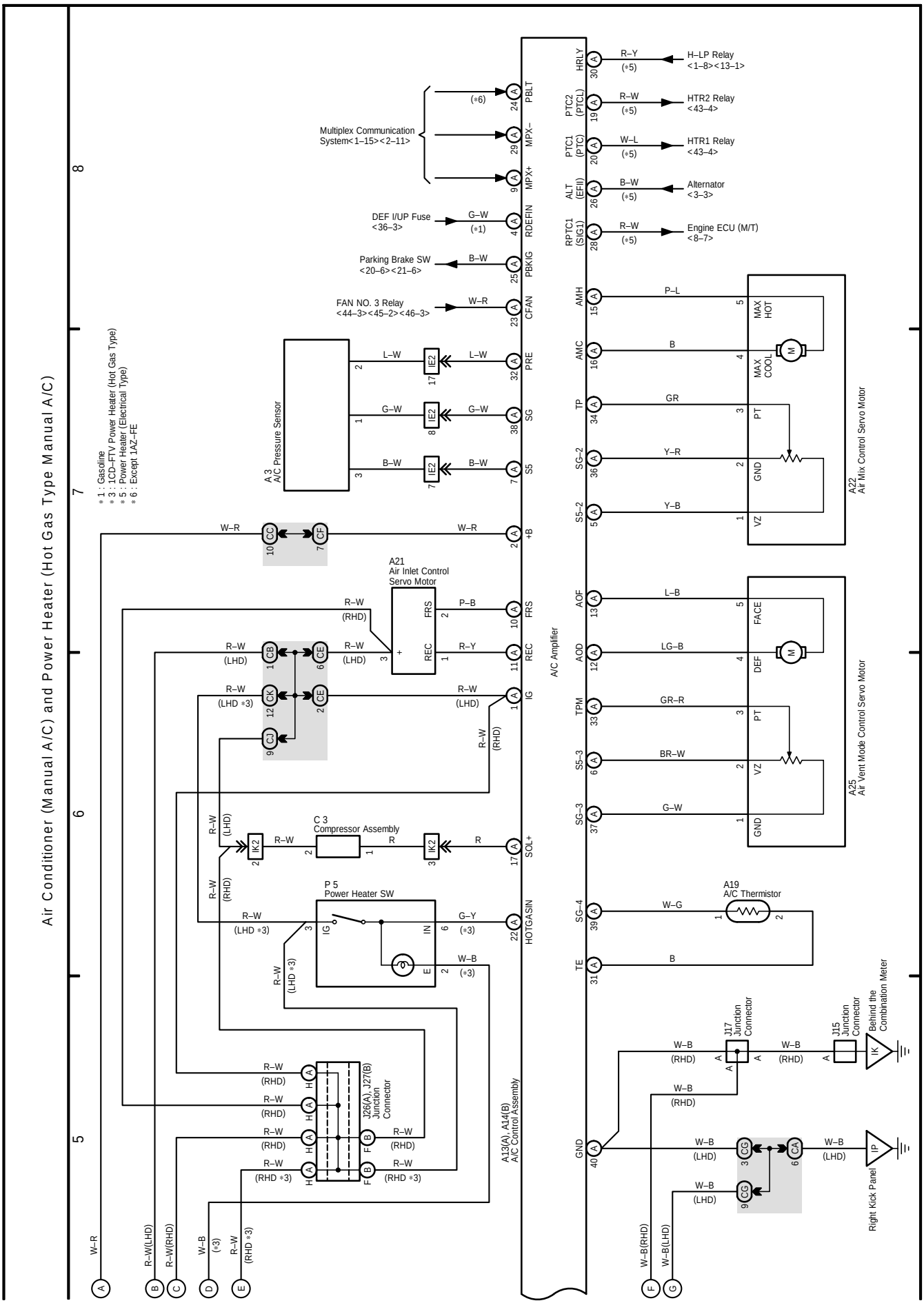

(Cont. next page)
* 1 : Gasoline
* 2 : 1CD–FTV w/ Power Heater (Hot Gas Type)
* 3 : 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
Air Conditioner (Automatic A/C) and Power Heater (Hot Gas Type Automatic A/C)
Power Source
A15(A), A16(B) A/C Control Assembly
C 3 Compressor Assembly
P 5 Power Heater SW
J26(A), J27(B) Junction Connector
J16 Junction Connector
C 4 Condenser Assembly
HTR Relay
10A HTR
IG1 Relay
25A AM1
I13 Ignition SW
B 5 Blower Motor Controller
B 4 Blower Motor
J15 Junction Connector
Behind the Combination Meter
Left Kick Panel
40A HTR
120A ALT (*3) 100A ALT (*4)
140A ALT
30A DCC
7. 5A ECU–B 2
FL MAIN 3. 0W
Battery
R–W(RHD)
R–W(LHD)
(RHD)
(LHD)
(RHD *2)
(LHD *2)
(*1)
(*2)
47 AVENSIS

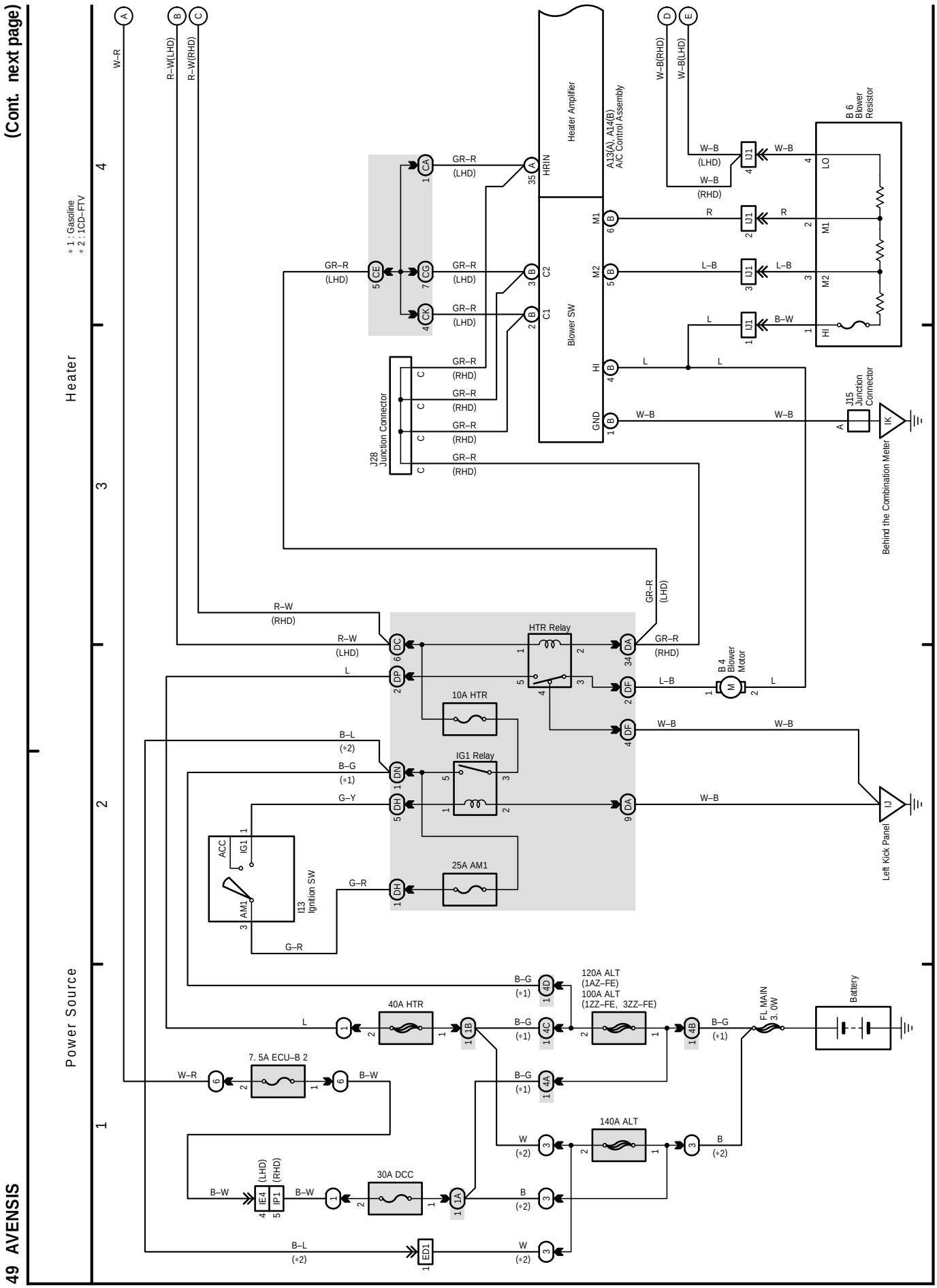
47 AVENSIS (Cont' d)



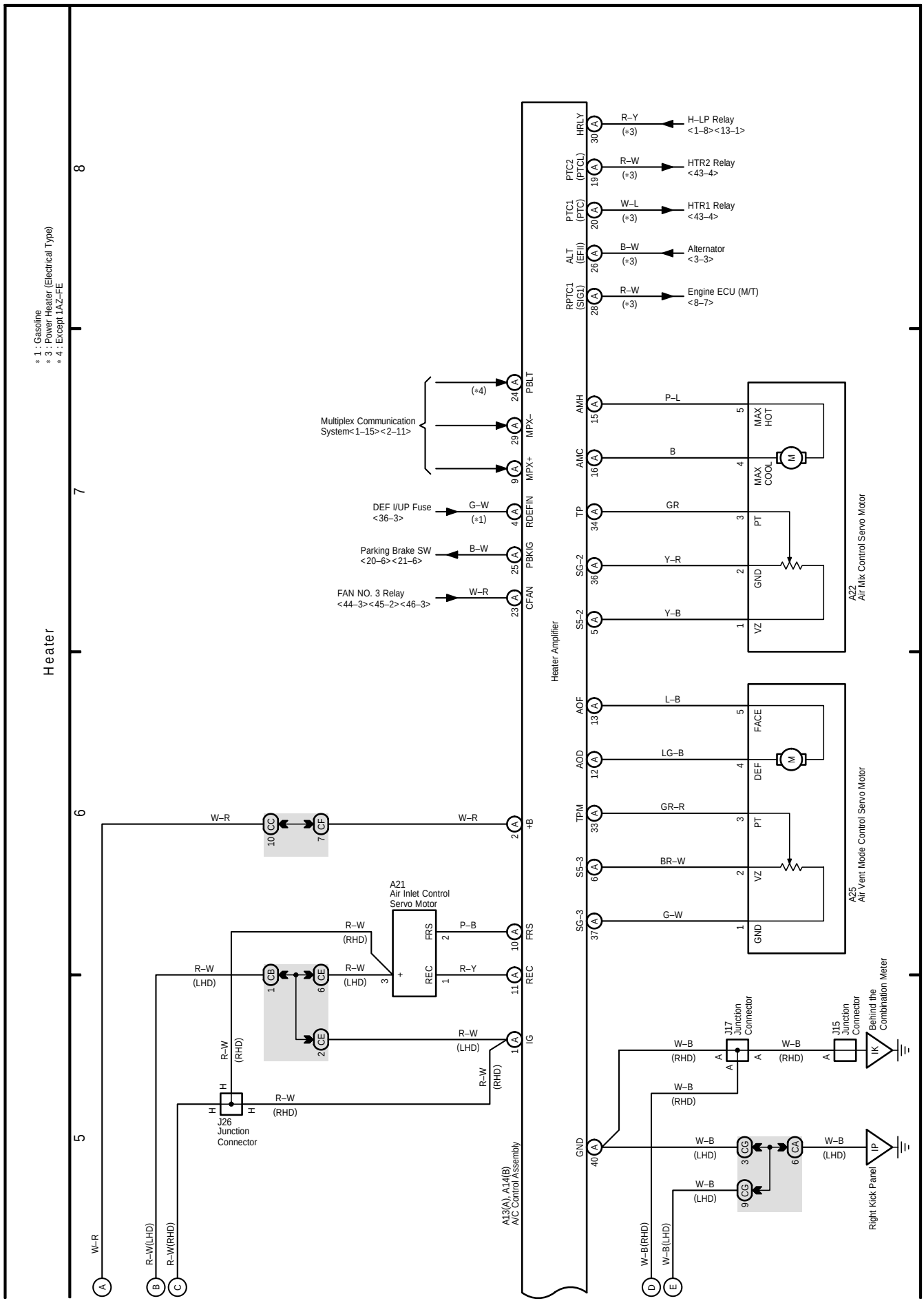

(Cont. next page)
Air Conditioner (Manual A/C) and Power Heater (Hot Gas Type Manual A/C)
Power Source
48 AVENSIS
*1 : Gasoline
*2 : 1CD–FTV
*3 : 1CD–FTV Power Heater (Hot Gas Type)
*4 : Behind the Combination Meter
C 4 Condenser Assembly
A/C Amplifier
A13(A), A14(B) A/C Control Assembly
Blower SW
B 6 Blower Resistor
J28 Junction Connector
J16 Junction Connector
J15 Junction Connector
Behind the Combination Meter
HTR Relay
IG1 Relay
10A HTR
25A AM1
40A HTR
7. 5A ECU–B 2
30A DCC
120A ALT (1AZ–FE) 100A ALT (1ZZ–FE, 3ZZ–FE)
140A ALT
I13 Ignition SW
B 4 Blower Motor
Left Kick Panel
FL MAIN 3. 0W
Battery

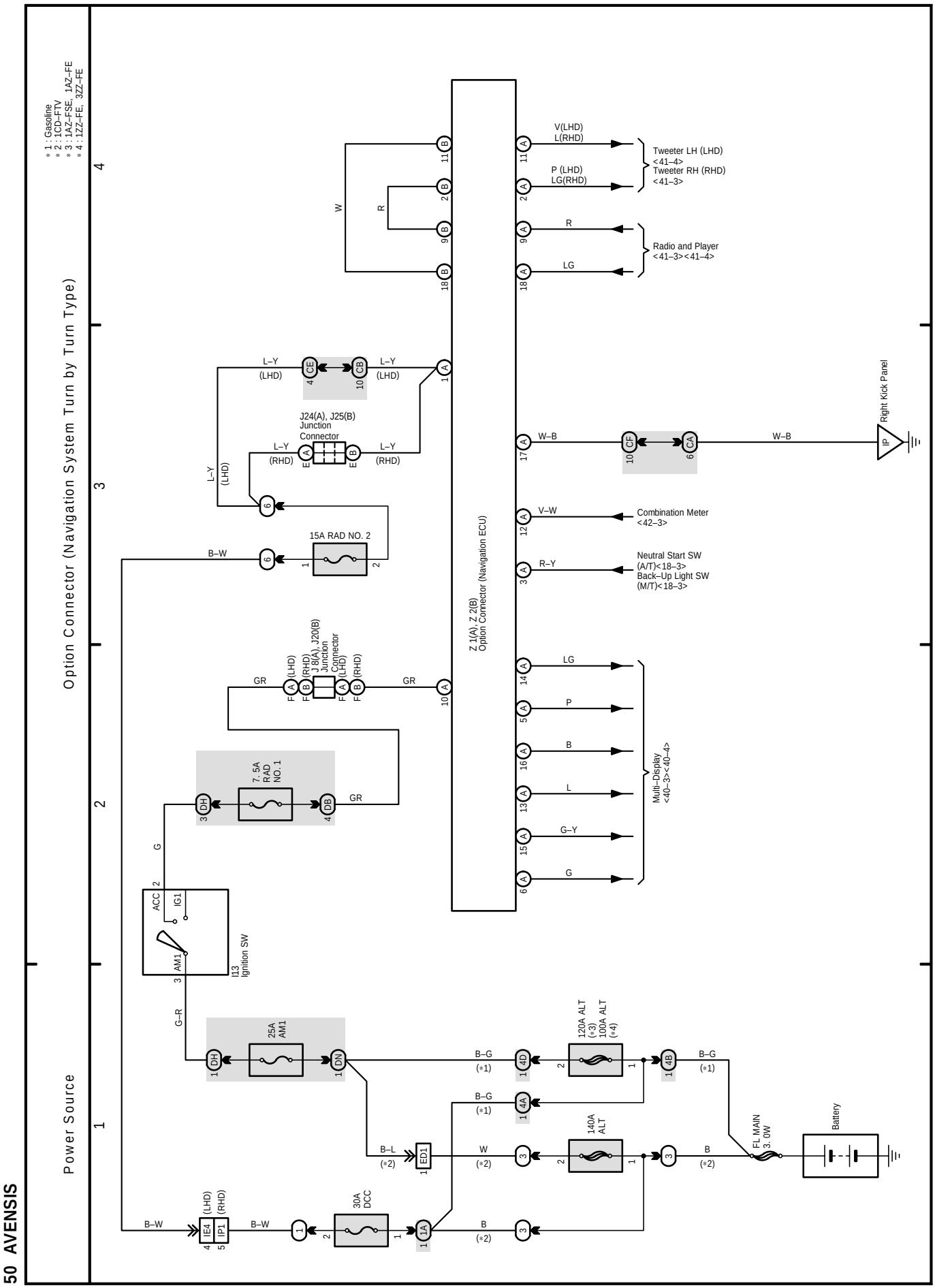
48 AVENSIS (Cont' d)




(Cont. next page)
Heater
Power Source
49 AVENSIS
* 1 : Gasoline
* 2 : 1CD–FTV
Heater Amplifier
A13(A), A14(B)
A/C Control Assembly
HRIN
Blower SW
C1
C2
M1
M2
HI
GND
B 6
Blower
Resistor
LO
J28
Junction Connector
J15
Junction
Connector
Behind the Combination Meter
Left Kick Panel
HTR Relay
IG1 Relay
10A HTR
25A AM1
40A HTR
7. 5A ECU–B 2
30A DCC
120A ALT
(1AZ–FE)
100A ALT
(1ZZ–FE, 3ZZ–FE)
140A ALT
FL MAIN
3. 0W
Battery
B 4
Blower
Motor
I13
Ignition SW
ACC
IG1
AM1
W–B(RHD)
W–B(LHD)
R–W(LHD)
R–W(RHD)
W–R
GR–R
(LHD)
(RHD)
R–W
(LHD)
(RHD)
L
L–B
B–W
B–L
B–G
G–Y
G–R
R
W
B
(*1)
(*2)

49 AVENSIS (Cont' d)




*1 : Gasoline
*2 : 1CD–FTV
*3 : 1AZ–FSE, 1AZ–FE
*4 : 1ZZ–FE, 3ZZ–FE
Option Connector (Navigation System Turn by Turn Type)
Power Source
Z 1(A), Z 2(B)
Option Connector (Navigation ECU)
V(LHD)
L(RHD)
Tweeter LH (LHD)
<41–4>
Tweeter RH (RHD)
<41–3>
P (LHD)
LG(RHD)
R
Radio and Player
<41–3><41–4>
LG
W
R
L–Y
(LHD)
L–Y
(RHD)
J24(A), J25(B)
Junction
Connector
W–B
Right Kick Panel
IP
V–W
Combination Meter
<42–3>
R–Y
Neutral Start SW
(A/T)<18–3>
Back–Up Light SW
(M/T)<18–3>
15A RAD NO. 2
B–W
J18(A), J20(B)
Junction
Connector
GR
LG
P
B
L
G–Y
G
Multi–Display
<40–3><40–4>
7. 5A
RAD
NO. 1
G
ACC
IG1
AM1
I13
Ignition SW
G–R
25A
AM1
120A ALT
(*3)
100A ALT
(*4)
B–G
(*1)
140A
ALT
B–L
(*2)
W
(*2)
B
(*2)
FL MAIN
3. 0W
Battery
30A
DCC
IE4
IP1
(LHD)
(RHD)

FOREWORD

This supplement provides information covering changes in the electrical system specifications of the AVENSIS which were made in Sep., 2003.

Applicable models: AZT250, 251 Series
ZZT250, 251 Series
CDT250 Series

For information which is not mentioned in this manual, please refer to the following Electrical Wiring Diagram Manuals:

Manual Name	Pub. No.
● AVENSIS Electrical Wiring Diagram	EWD526E
● AVENSIS Chassis and Body Repair Manual Supplement	RM1045E
● 2AZ–FSE Engine Repair Manual	RM1083E
● 1CD–FTV Engine Repair Manual	RM1046E
● TOYOTA New Car Features	NCF258E

All information in this manual is based on the latest product information at the time of publication. However, specifications and procedures are subject to change without notice.

TOYOTA MOTOR CORPORATION

NOTICE

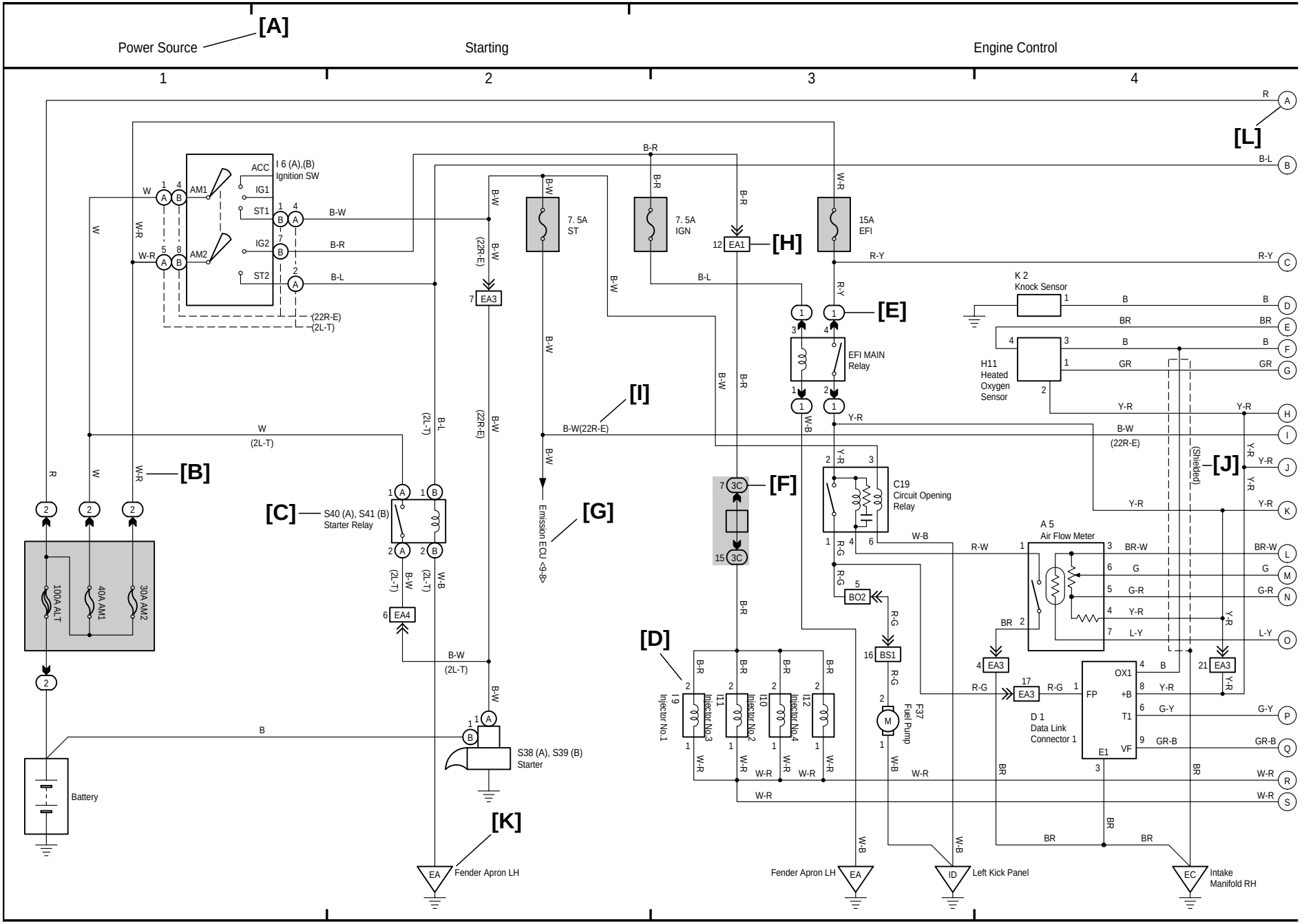
When handling supplemental restraint system components (removal, installation or inspection, etc.), always follow the direction given in the repair manuals listed above to prevent accidents and supplemental restraint system malfunction.

This manual consists of the following 8 sections:

No.	Section	Description
A	INDEX	Index of the contents of this manual.
	INTRODUCTION	Brief explanation of each section.
B	HOW TO USE THIS MANUAL	Instructions on how to use this manual.
C	ABBREVIATIONS	Defines the abbreviations used in this manual.
D	RELAY LOCATIONS	Shows position of the Electronic Control Unit, Relays, Relay Block, etc. This section is closely related to the wiring diagram.
E	ELECTRICAL WIRING ROUTING	Describes position of the Parts Connectors, Ground points, etc. This section is closely related to the wiring diagram.
F	CONNECTOR LIST	Describes the form of the connectors for the parts appeared in this book. This section is closely related to the wiring diagram.
G	PART NUMBER OF CONNECTORS	Indicates the part number of the connectors used in this manual.
H	OVERALL ELECTRICAL WIRING DIAGRAM	Provides circuit diagrams showing the circuit connections.

HOW TO READ THIS SECTION

* The system shown here is an EXAMPLE ONLY. It is different to the actual circuit shown in the wiring diagram section.



[A] : System Title

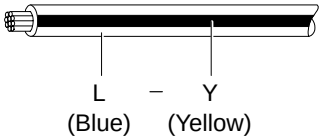
[B] : Indicates the wiring color.

Wire colors are indicated by an alphabetical code.

B	= Black	W	= White	BR	= Brown
L	= Blue	V	= Voilet	SB	= Sky Blue
R	= Red	G	= Green	LG	= Light Green
P	= Pink	Y	= Yellow	GR	= Gray
O	= Orange				

The first letter indicates the basic wire color and the second letter indicates the color of the stripe.

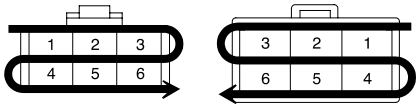
Example: L – Y



[C] : The position of the parts is the same as shown in the wiring diagram and wire routing.

[D] : Indicates the pin number of the connector.
The numbering system is different for female and male connectors.

Example: Numbered in order from upper left to lower right / Numbered in order from upper right to lower left



Female Male

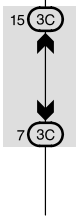
The numbering system for the overall wiring diagram is the same as above.

[E] : Indicates a Relay Block. No shading is used and only the Relay Block No. is shown to distinguish it from the J/B.

Example: (1) Indicates Relay Block No.1

[F] : Junction Block (The number in the circle is the J/B No. and the connector code is shown beside it). Junction Blocks are shaded to clearly separate them from other parts.

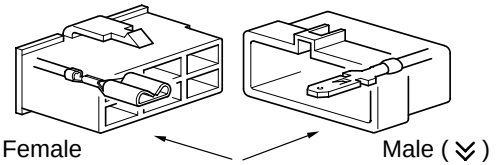
Example



3C indicates that it is inside Junction Block No.3

[G] : Indicates related system.

[H] : Indicates the wiring harness and wiring harness connector.
The wiring harness with male terminal is shown with arrows (»).
Outside numerals are pin numbers.



[I] : ( ) is used to indicate different wiring and connector, etc. when the vehicle model, engine type, or specification is different.

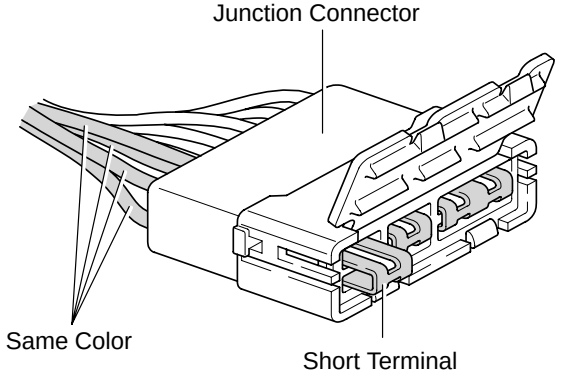
[J] : Indicates a shielded cable.

[K] : Indicates and located on ground point.

[L] : The same code occuring on the next page indicates that the wire harness is continuous.

HINT :

Junction connector in this manual include a short terminal which is connected to a number of wire harnesses. Always perform inspection with the short terminal installed. (When installing the wire harnesses, the harnesses can be connected to any position within the short terminal grouping. Accordingly, in other vehicles, the same position in the short terminal may be connected to a wire harness from a different part.)
Wire harness sharing the same short terminal grouping have the same color.



ABBREVIATIONS

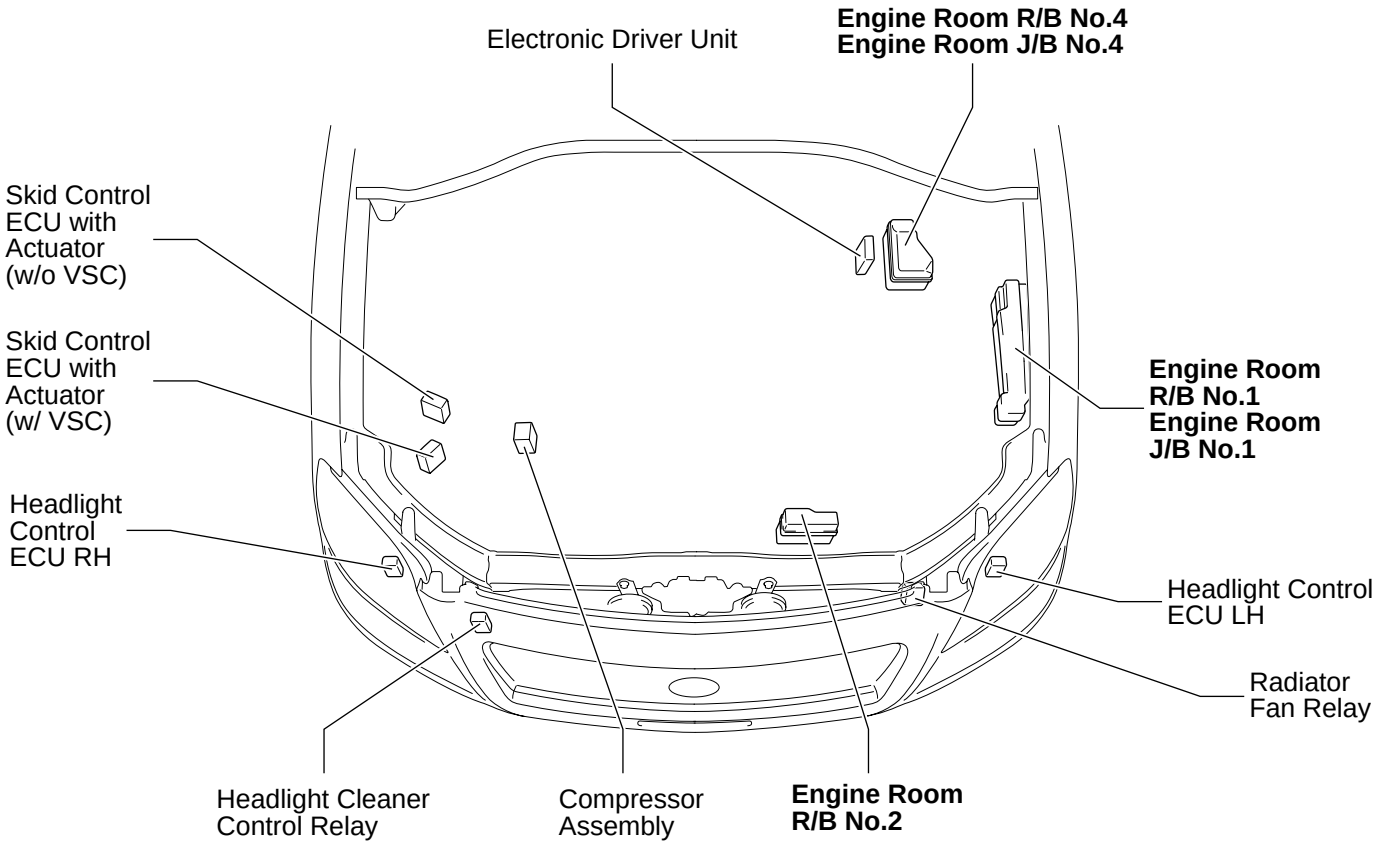
The following abbreviations are used in this manual.

A/C	=	Air Conditioner
A/T	=	Automatic Transaxle
ABS	=	Anti–Lock Brake System
D–CAT	=	Diesel Clean Advanced Technology
DLC3	=	Data Link Connector 3
EC	=	Electrochromic
ECT	=	Electronic Control Transmission
ECU	=	Electronic Control Unit
EFI	=	Electronic Fuel Injection
EGR	=	Exhaust Gas Recirculation
EPS	=	Electric Power Steering
EVAP	=	Evaporative Emission
HID	=	High Intensity Discharge
ISC	=	Idle Speed Control
J/B	=	Junction Block
L/B	=	Liftback Type
LH	=	Left–Hand
LHD	=	Left–Hand Drive
M/T	=	Manual Transaxle
PTC	=	Positive Temperature Coefficient
R/B	=	Relay Block
RH	=	Right–Hand
RHD	=	Right–Hand Drive
S/D	=	Sedan Type
SRS	=	Supplemental Restraint System
SW	=	Switch
TEMP.	=	Temperature
TRC	=	Traction Control
VRV	=	Vacuum Regulating Valve
VSC	=	Vehicle Stability Control
VSV	=	Vacuum Switching Valve
W/G	=	Wagon Type
w/	=	With
w/o	=	Without

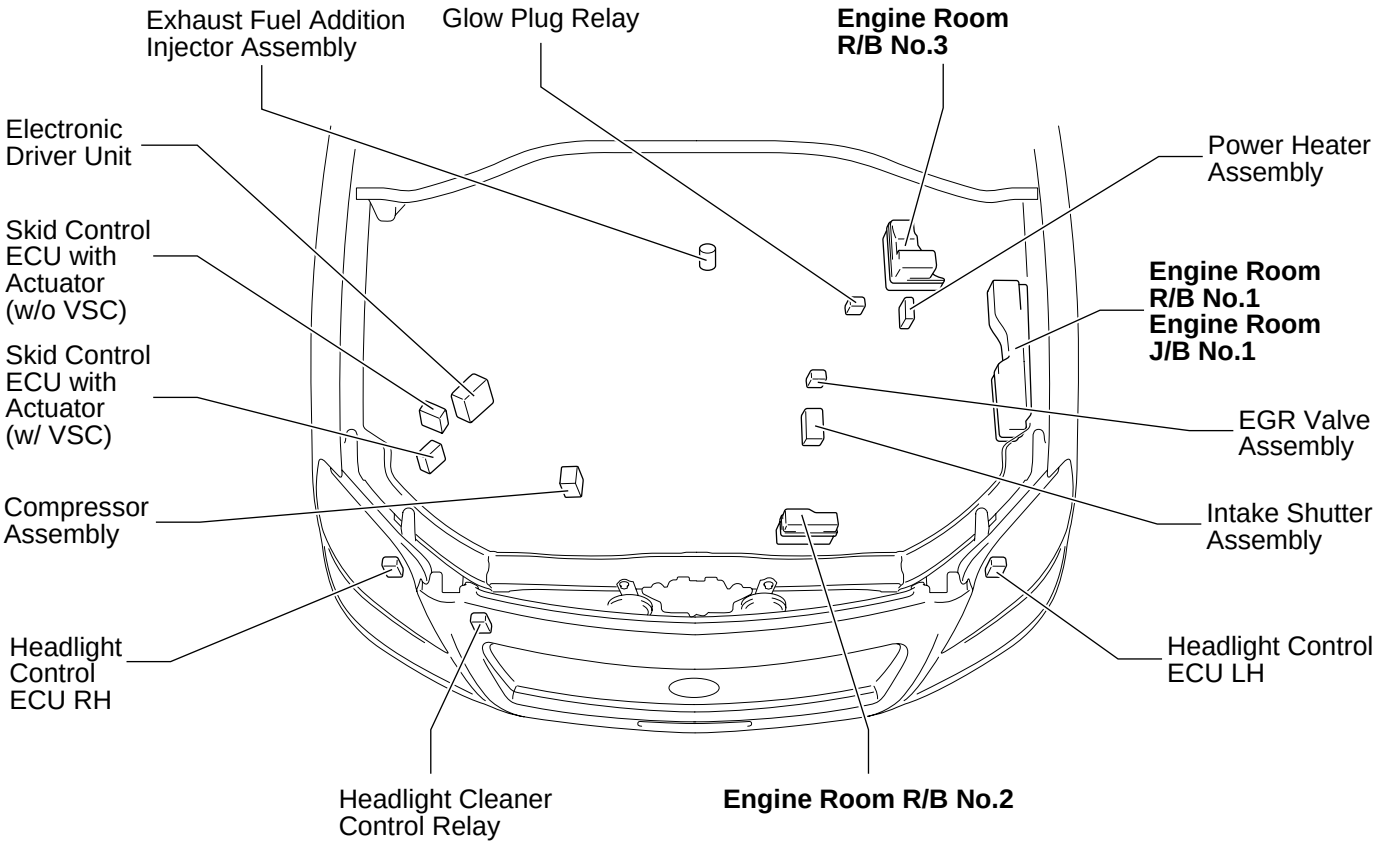
∗ The titles given inside the components are the names of the terminals (terminal codes) and are not treated as being abbreviations.

D RELAY LOCATIONS

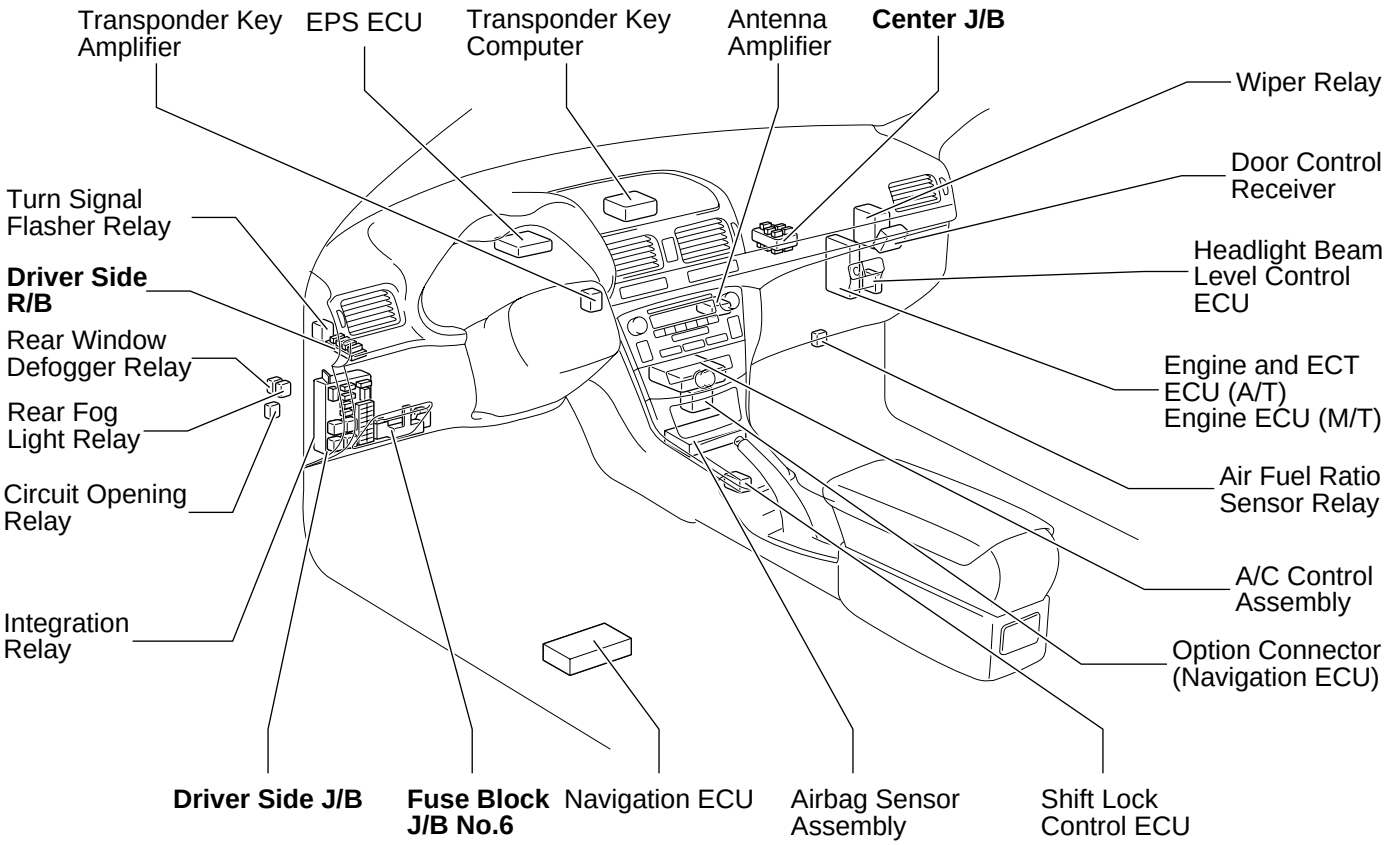
[Engine Compartment]
(Gasoline)



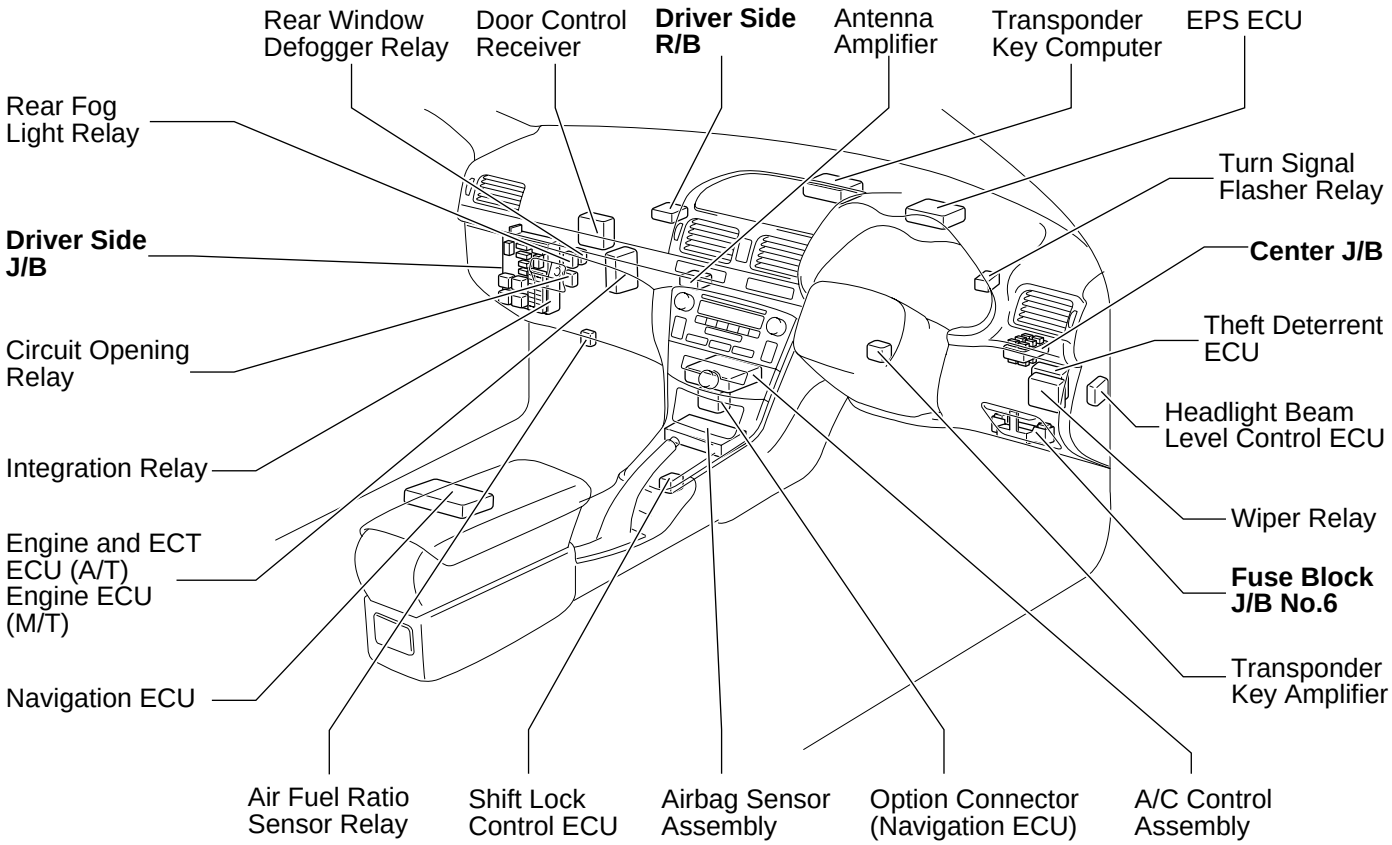
(1CD–FTV)



[Instrument Panel]
(LHD)

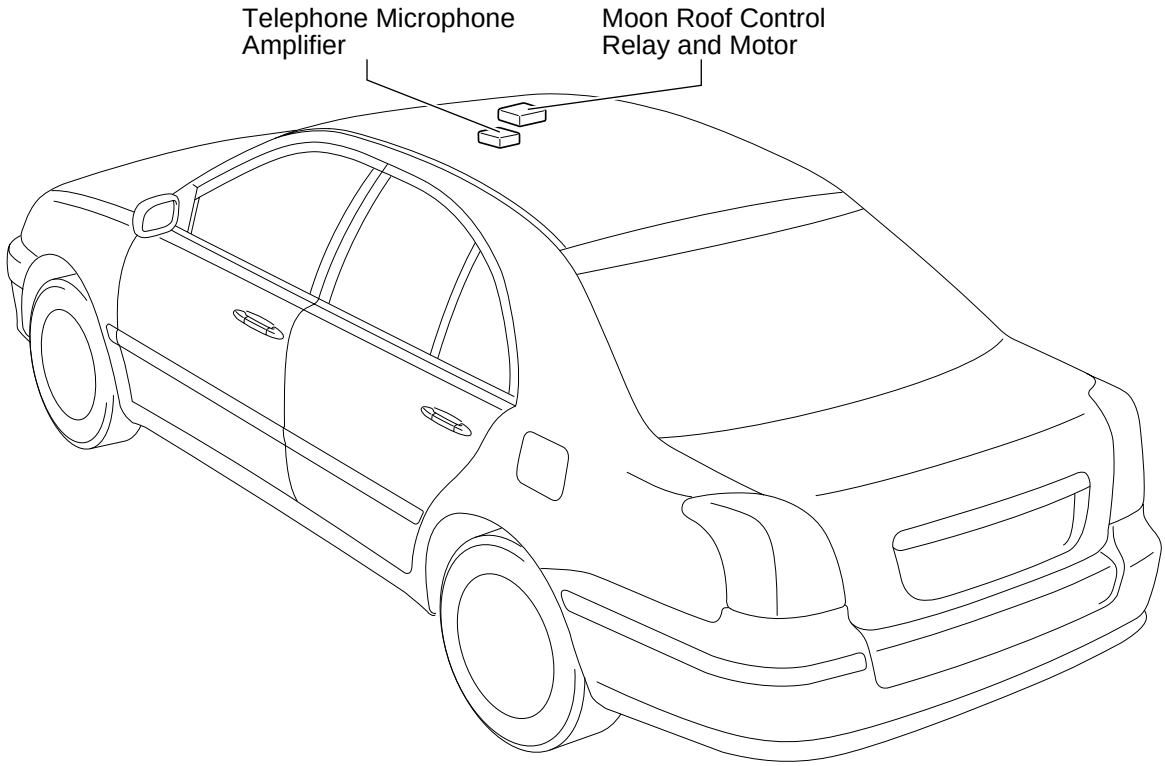


(RHD)

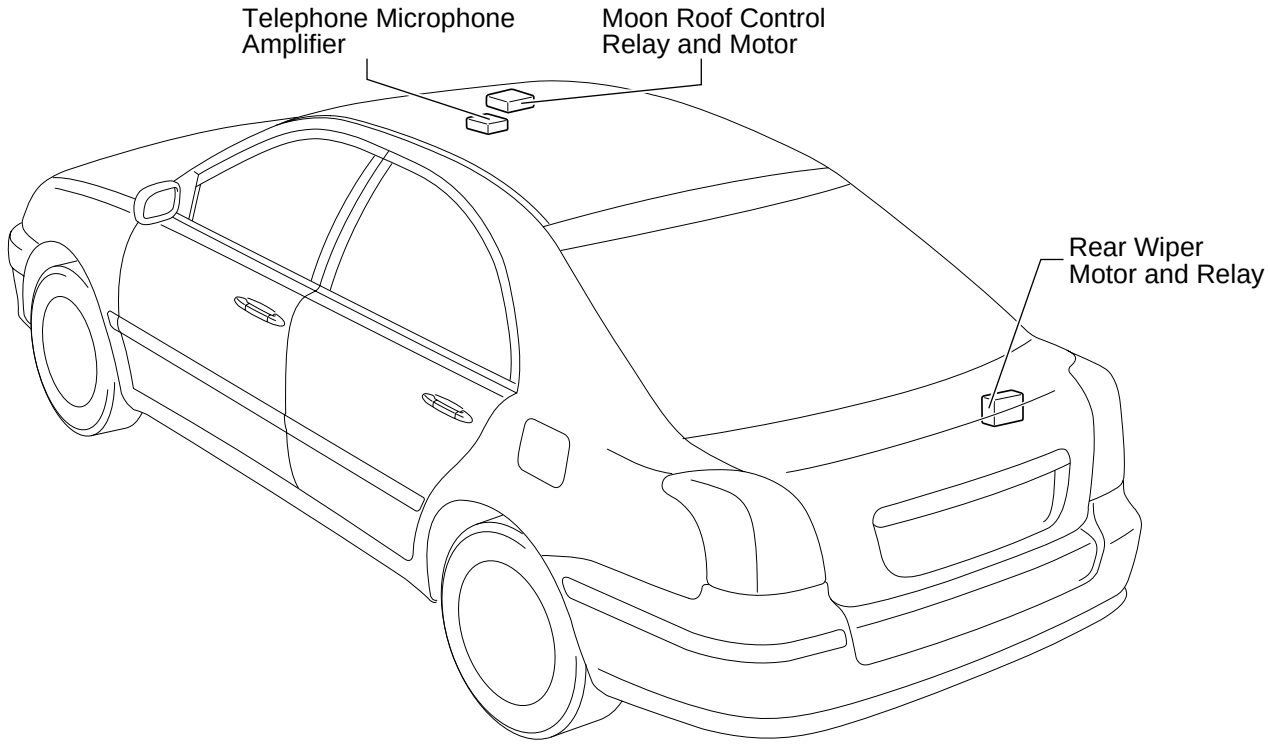


D RELAY LOCATIONS

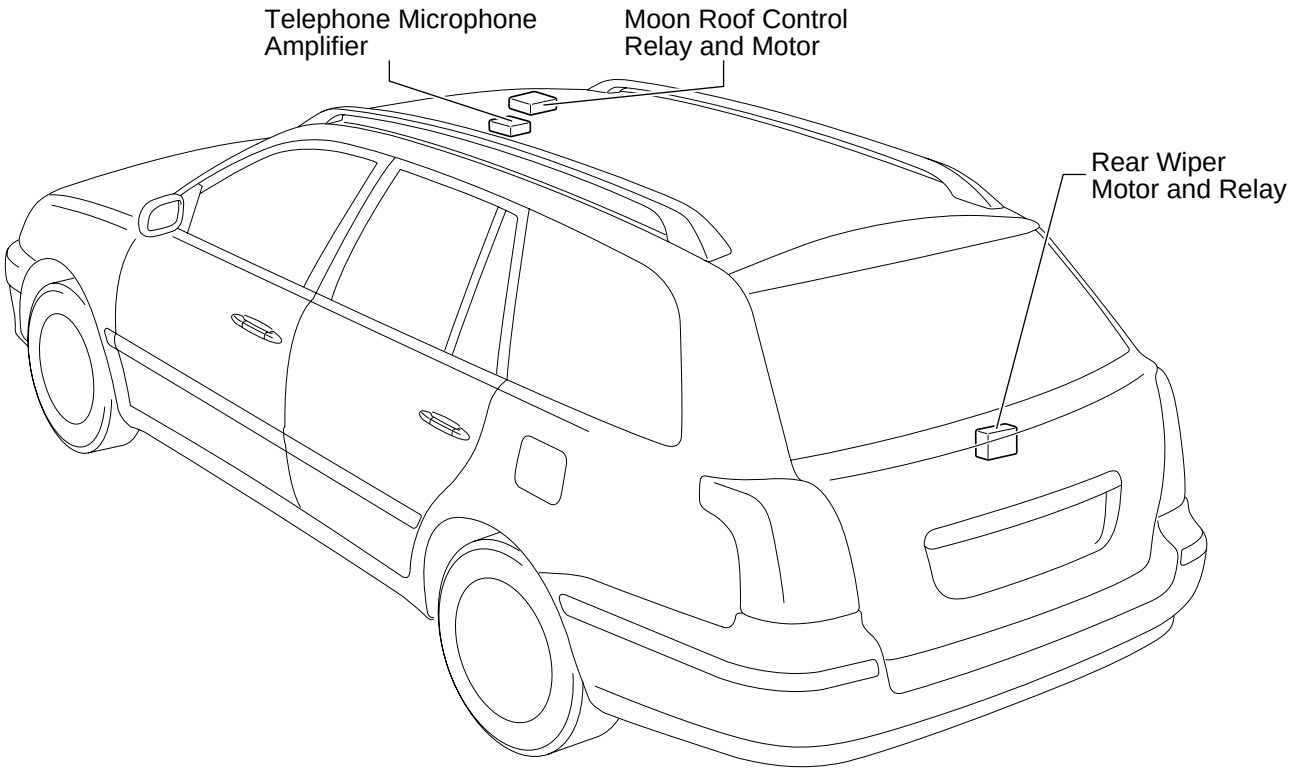
[Body]
(S/D)



(L/B)



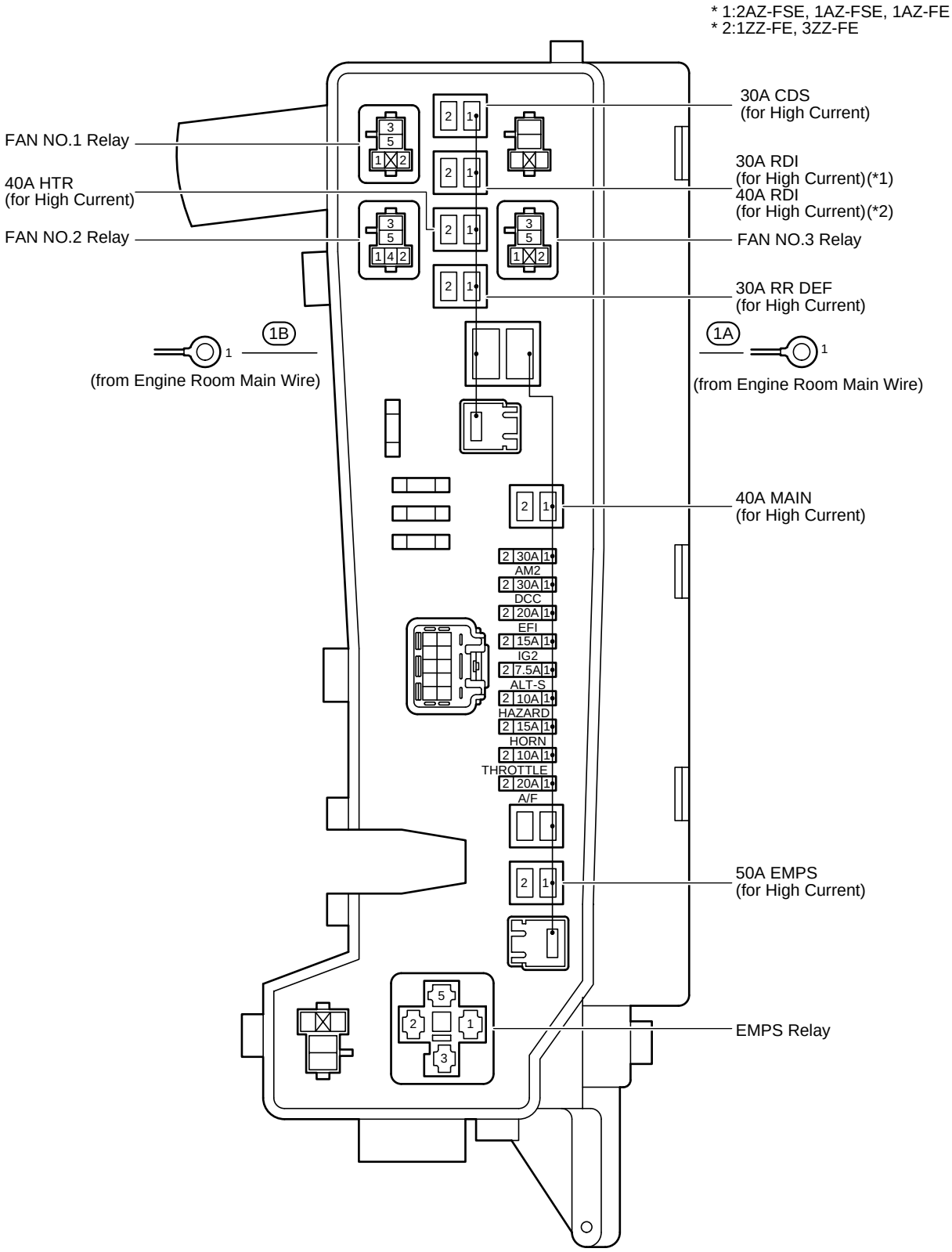
(W/G)


Telephone Microphone Amplifier
Moon Roof Control Relay and Motor
Rear Wiper Motor and Relay

D RELAY LOCATIONS

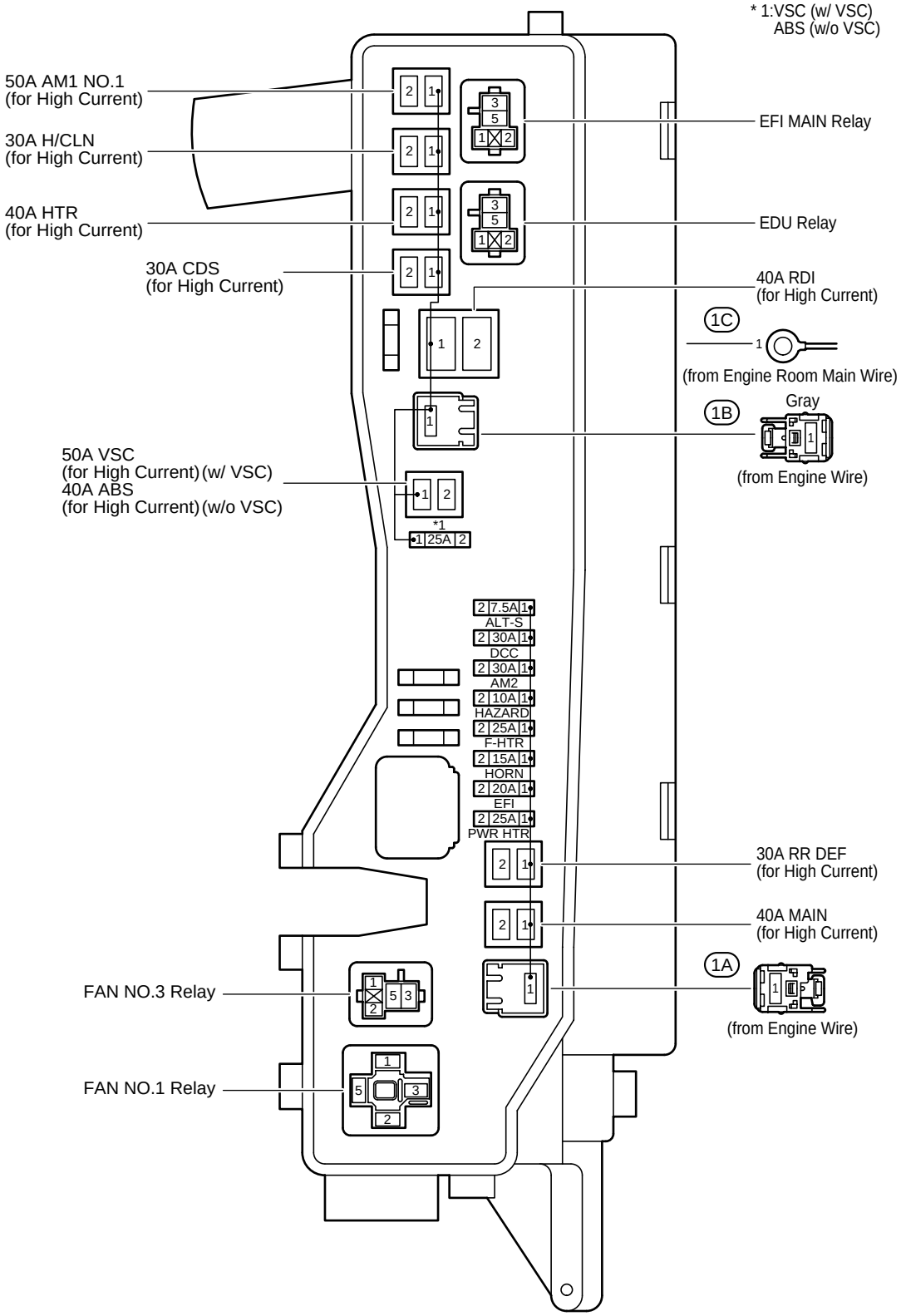
① : Engine Room R/B No.1 ⬭ : Engine Room J/B No.1	Engine Compartment Left (See Page 8)

(Gasoline)



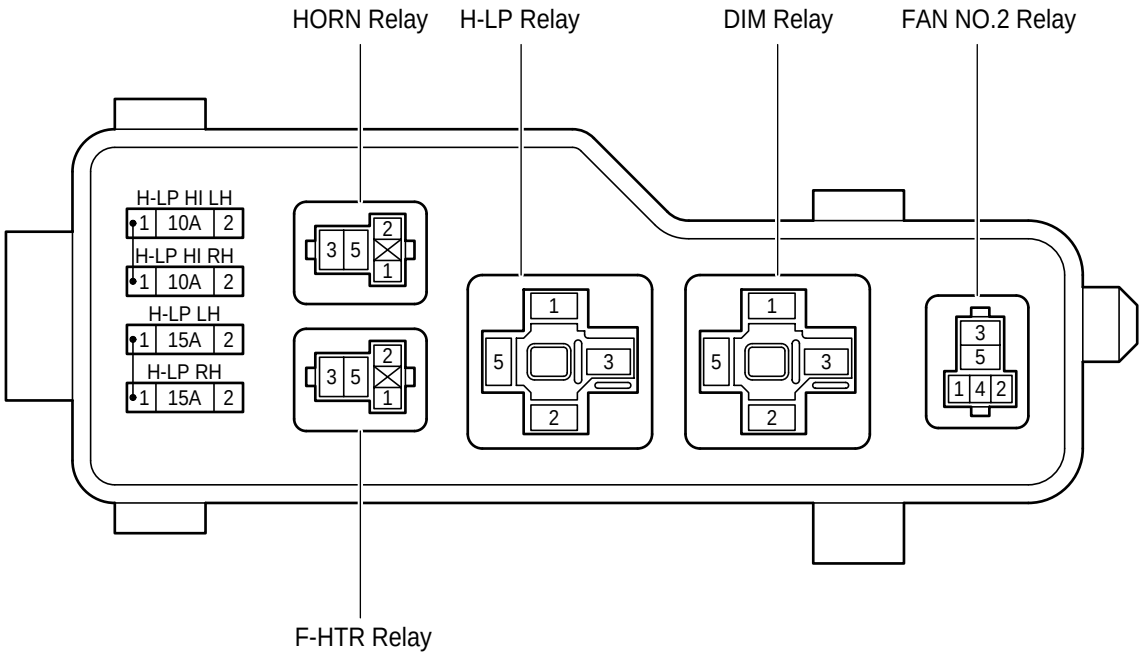
① : Engine Room R/B No.1 ⬭ : Engine Room J/B No.1	Engine Compartment Left (See Page 8)

(1CD–FTV)



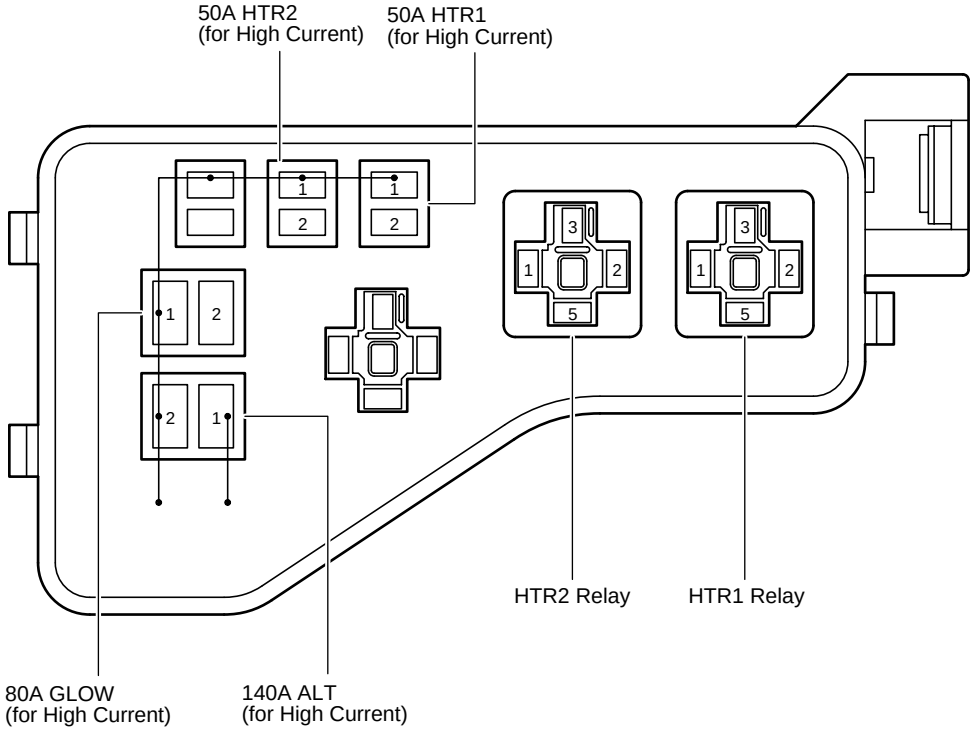
D RELAY LOCATIONS

② : Engine Room R/B No.2	Near the Radiator Fan (See Page 8)



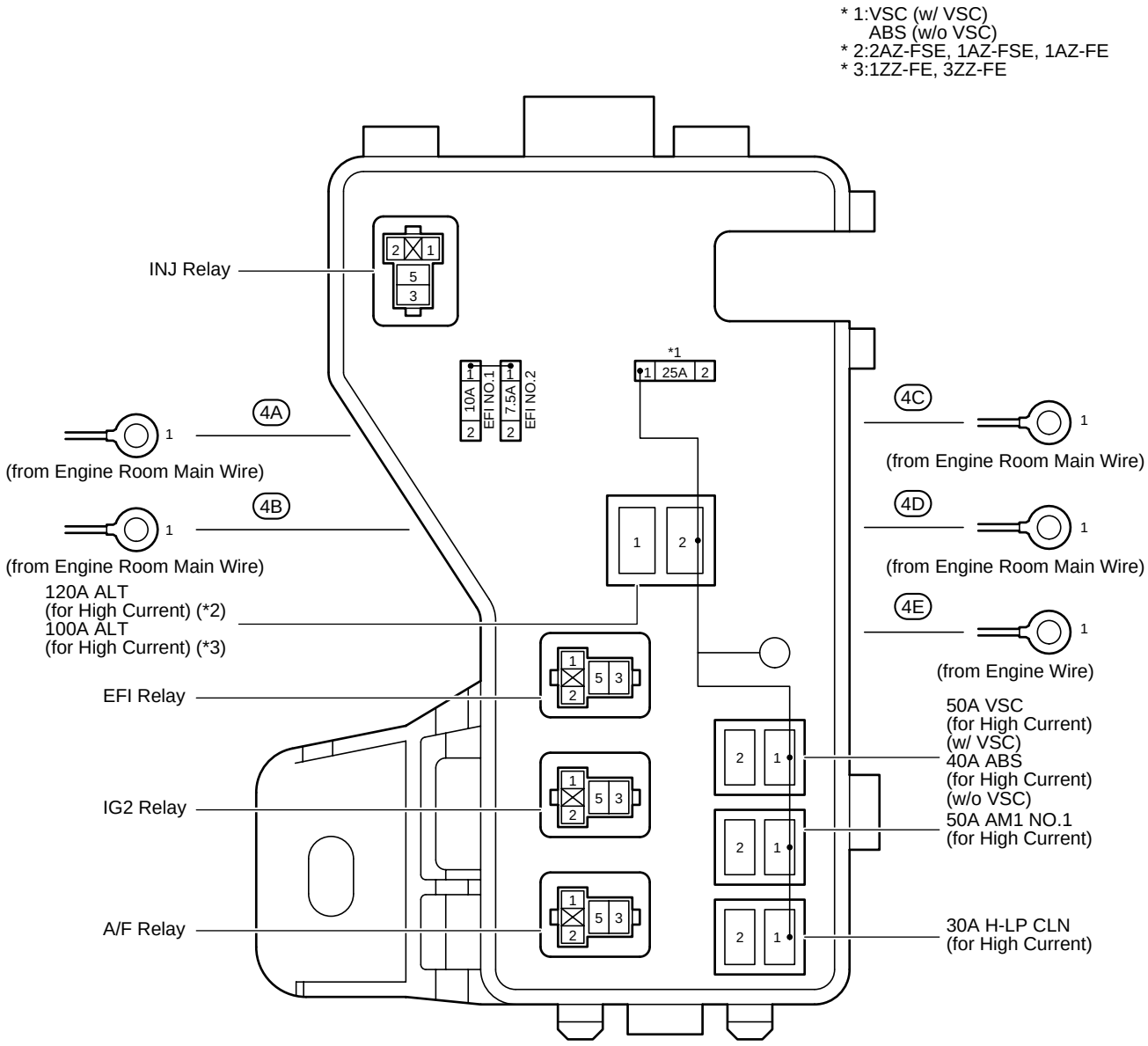
③ : Engine Room R/B No.3	Left Side of the Suspension Tower (See Page 8)

(1CD–FTV)



④ : Engine Room R/B No.4 ⬭ : Engine Room J/B No.4	Left Side of the Suspension Tower (See Page 8)

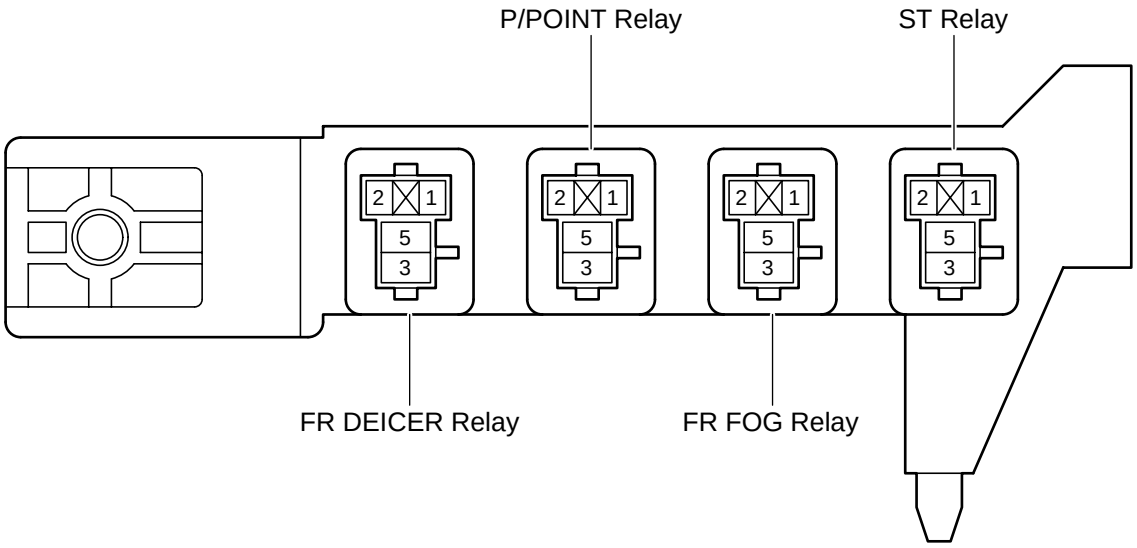
(Gasoline)



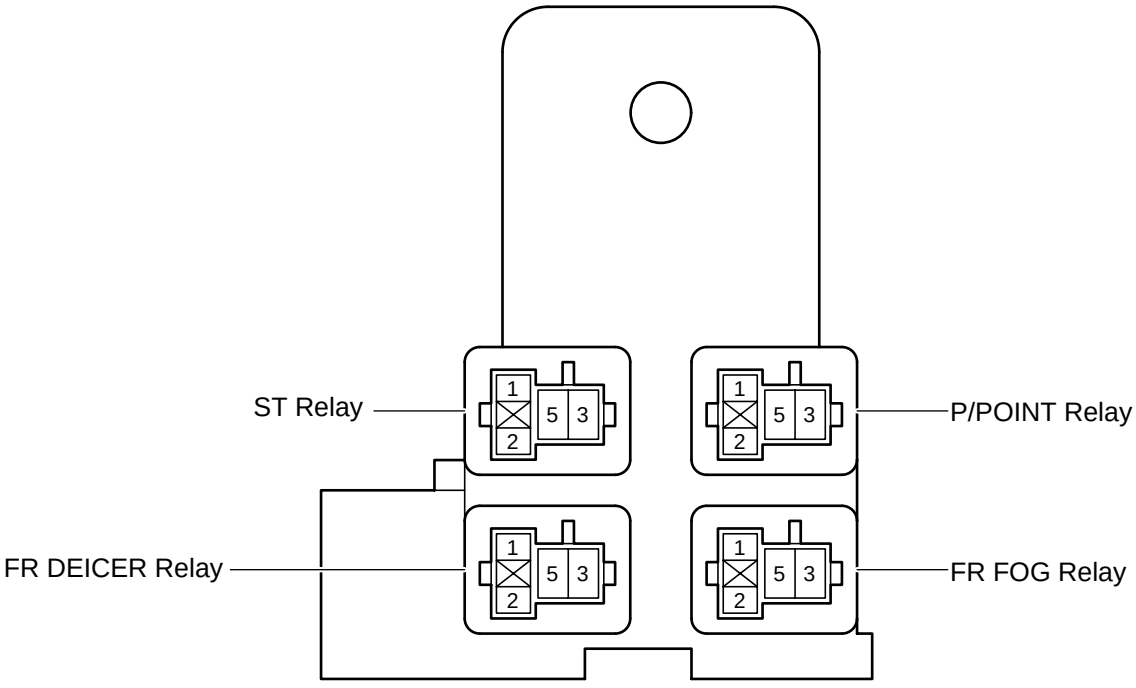
D RELAY LOCATIONS

⑤ : Driver Side R/B	LHD : Left Side of the Instrument Panel (See Page 9)
	RHD : Instrument Panel Reinforcement LH (See Page 9)

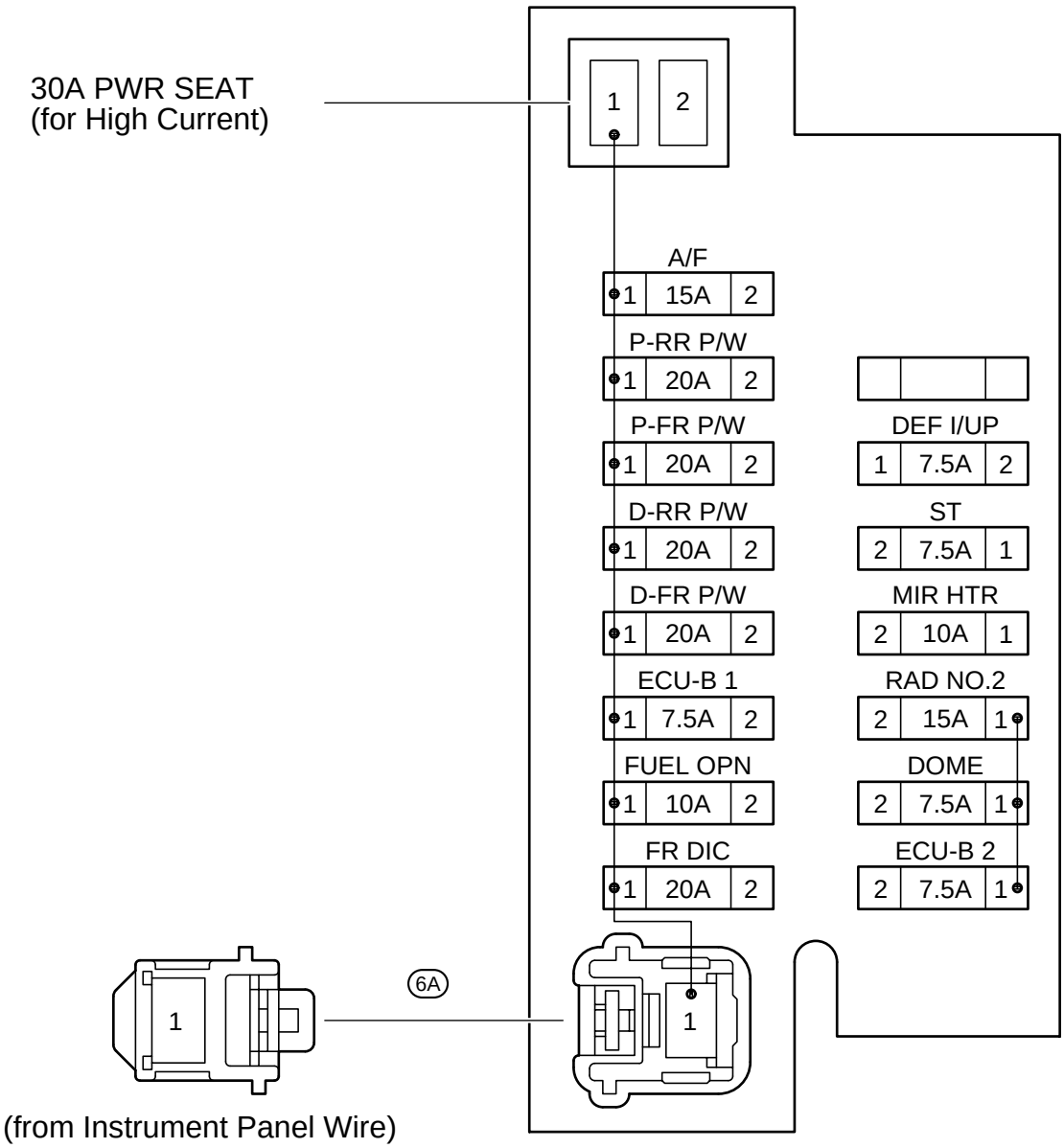
(LHD)



(RHD)

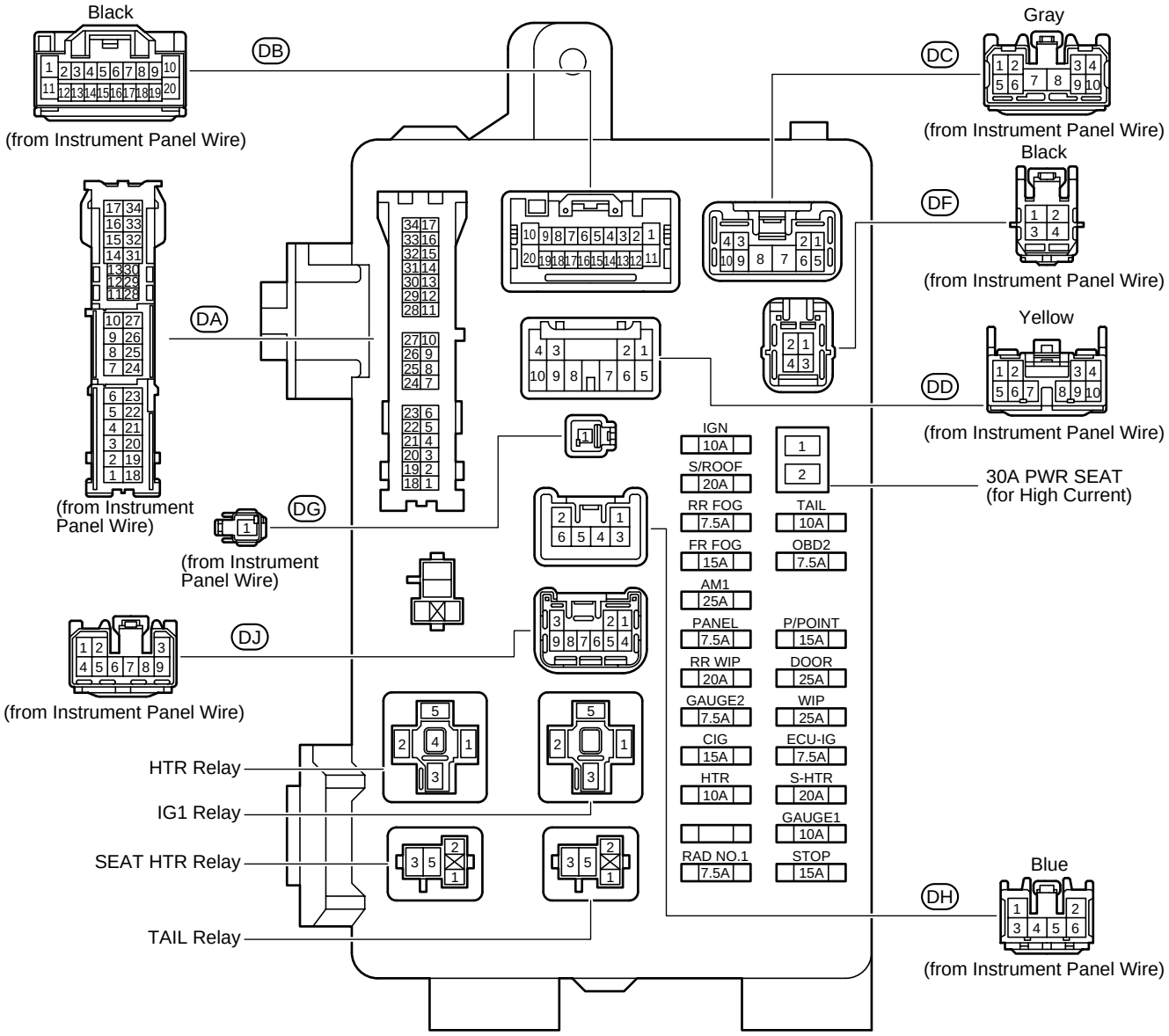


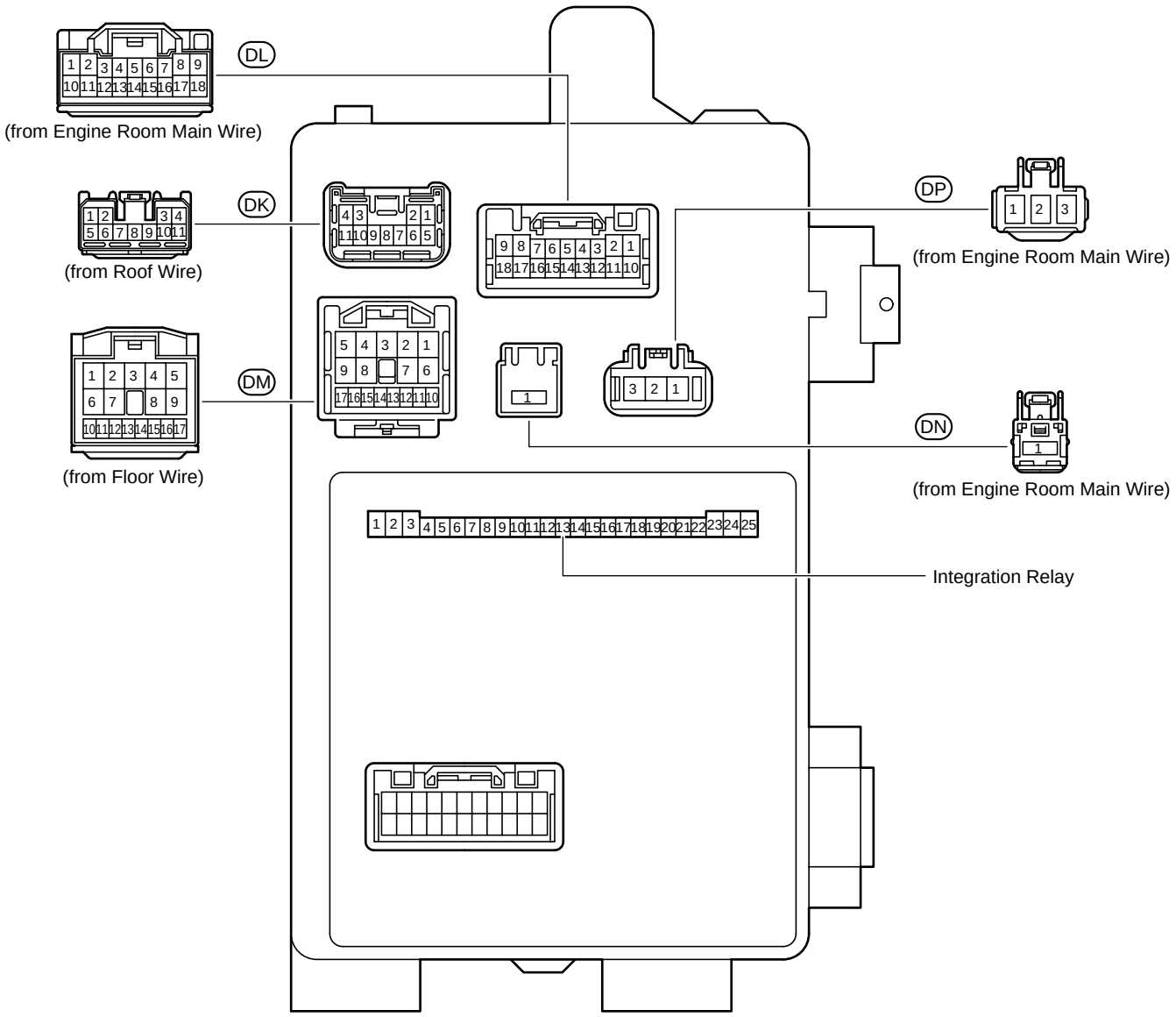
⑥ : Fuse Block ⬭ : J/B No.6	Lower Finish Panel (See Page 9)



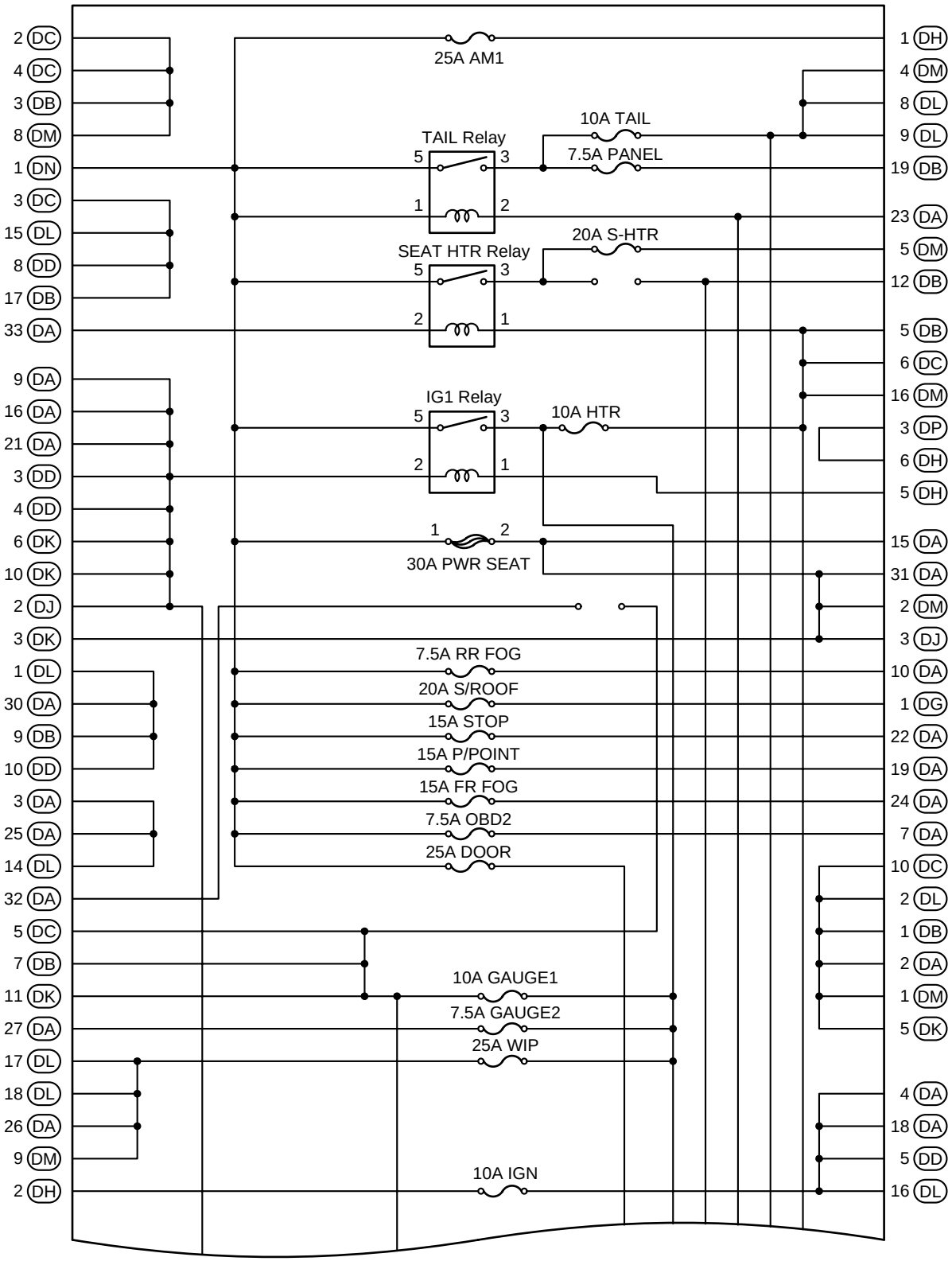
D RELAY LOCATIONS

: Driver Side J/B	Left Side of the Instrument Panel (See Page 9)




DL
(from Engine Room Main Wire)
DK
(from Roof Wire)
DM
(from Floor Wire)
DP
(from Engine Room Main Wire)
DN
(from Engine Room Main Wire)
Integration Relay

[Driver Side J/B Inner Circuit]



(Cont. Next Page)

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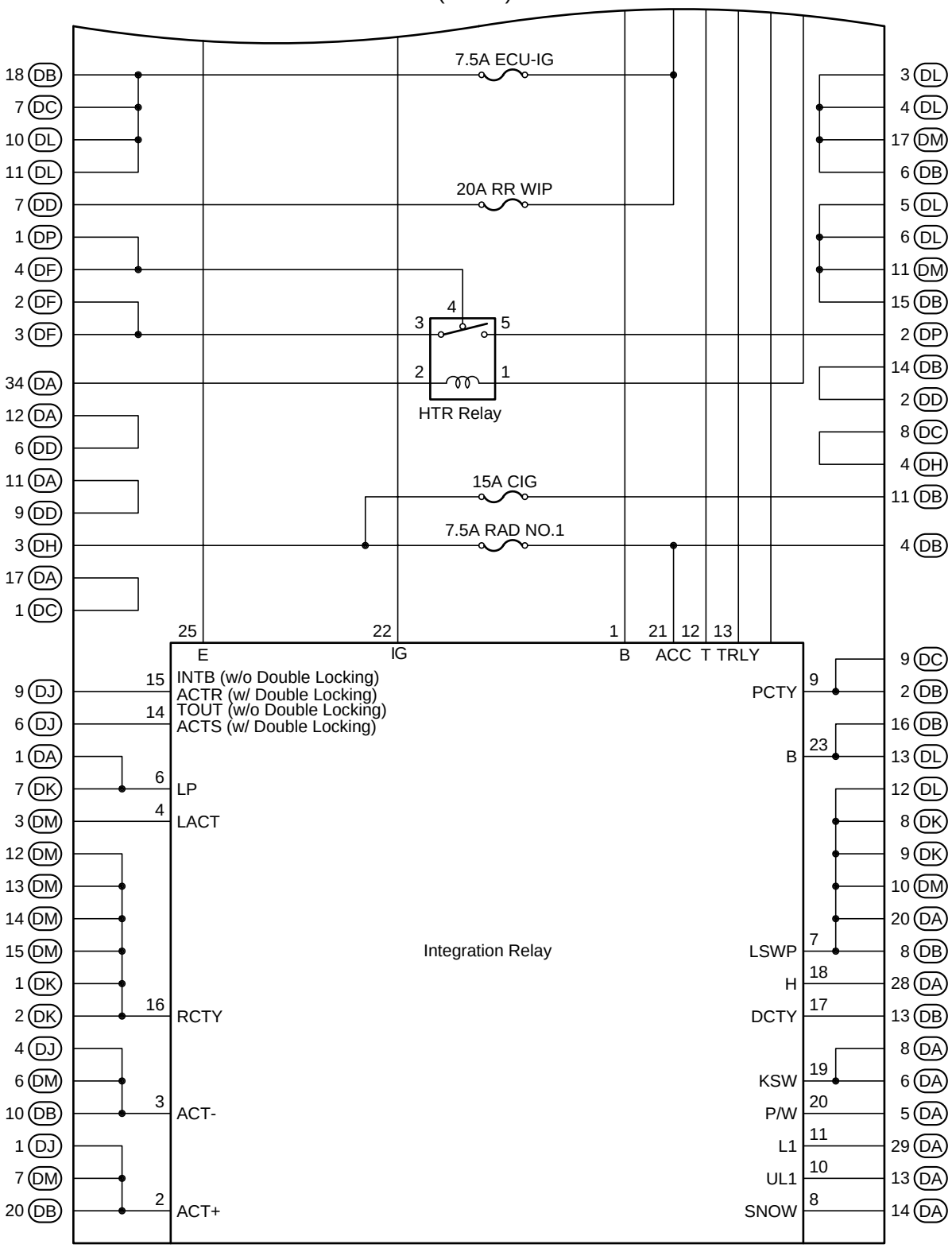
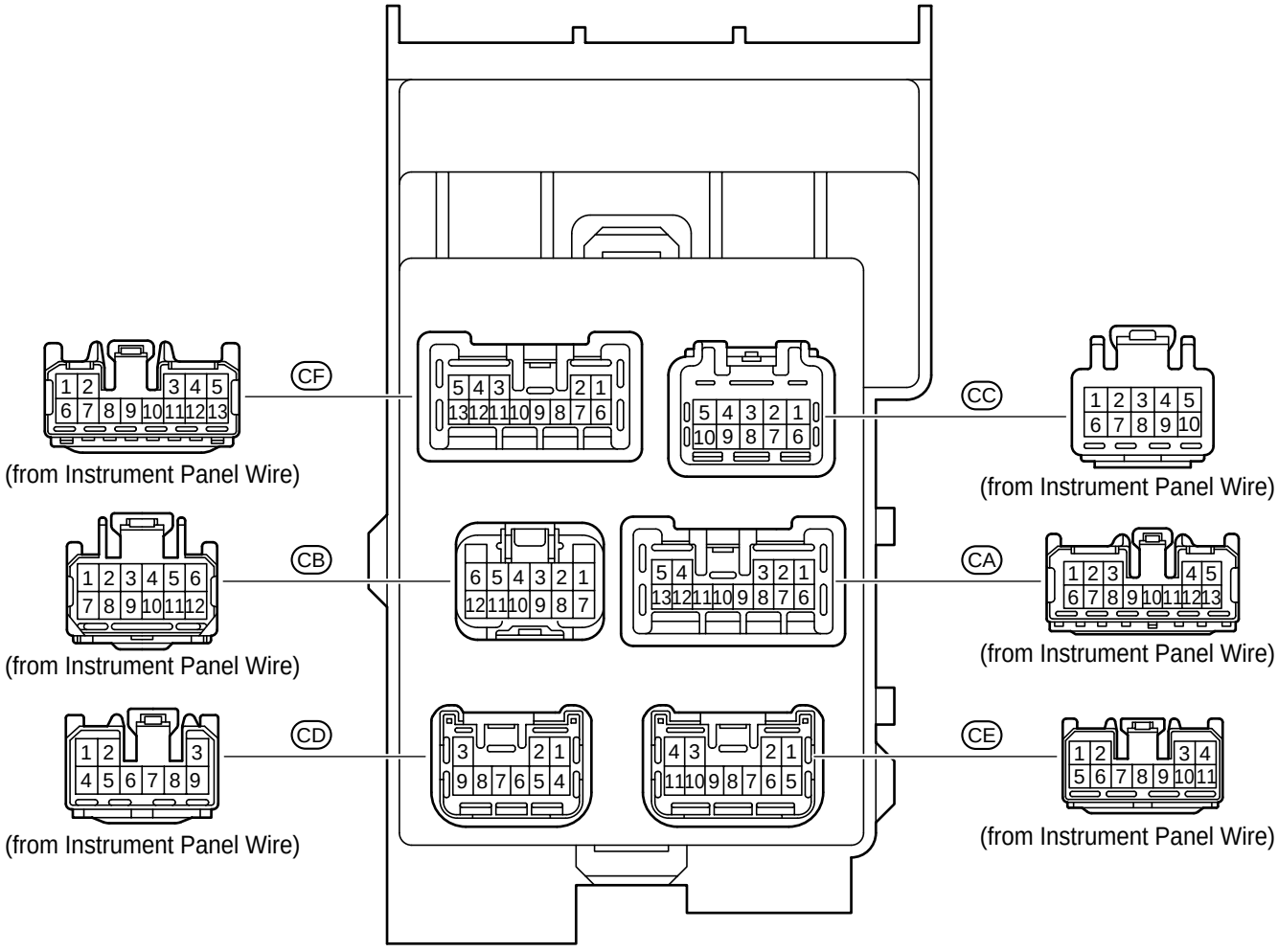
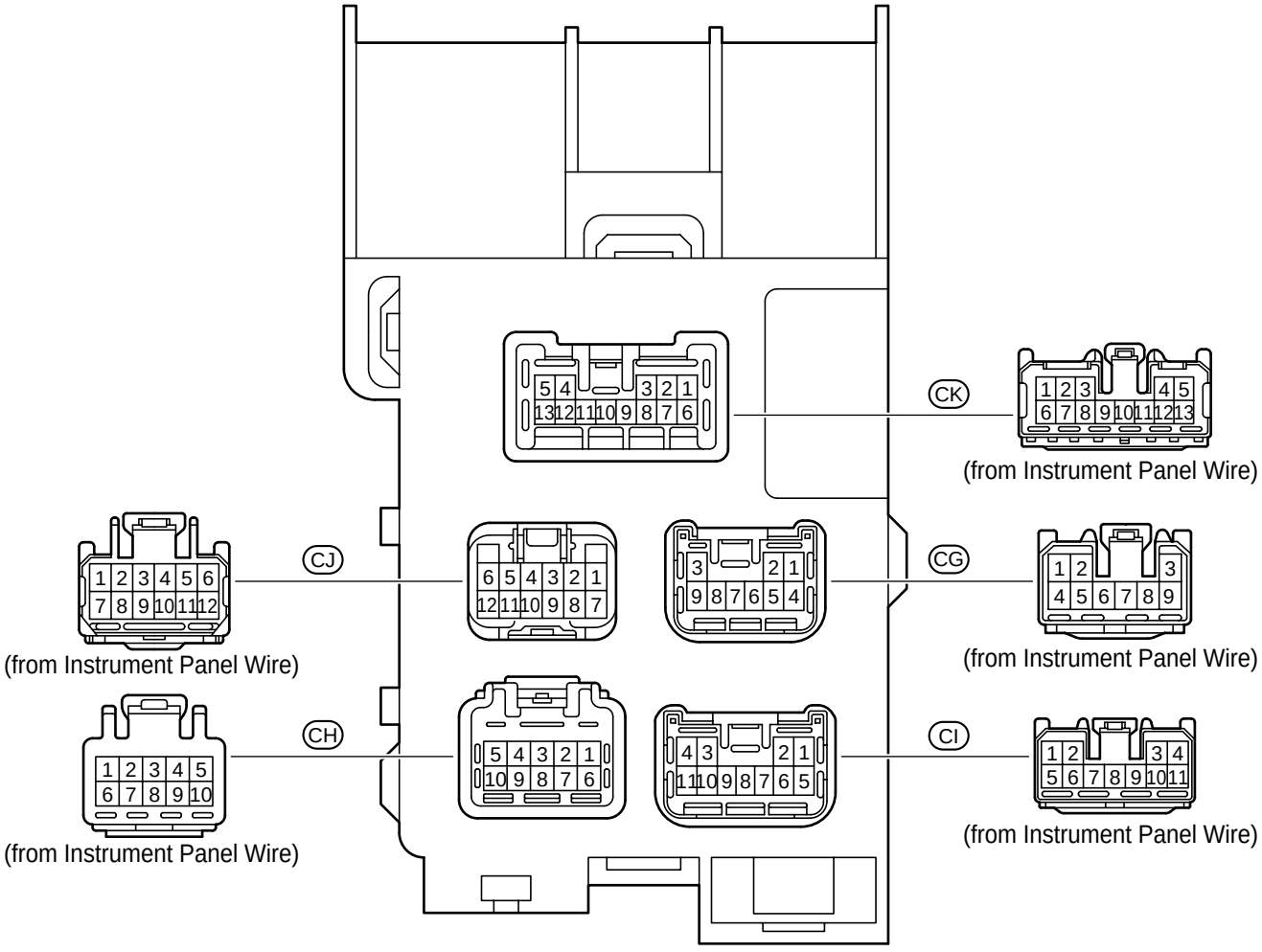

7.5A ECU-IG
20A RR WIP
HTR Relay
15A CIG
7.5A RAD NO.1
25 E
22 IG
1 B
21 ACC
12 T
13 TRLY
15 INTB (w/o Double Locking)
ACTR (w/ Double Locking)
14 TOUT (w/o Double Locking)
ACTS (w/ Double Locking)
6 LP
4 LACT
16 RCTY
3 ACT-
2 ACT+
Integration Relay
9 PCTY
23 B
7 LSWP
18 H
17 DCTY
19 KSW
20 P/W
11 L1
10 UL1
8 SNOW
18 DB
7 DC
10 DL
11 DL
7 DD
1 DP
4 DF
2 DF
3 DF
34 DA
12 DA
6 DD
11 DA
9 DD
3 DH
17 DA
1 DC
9 DJ
6 DJ
1 DA
7 DK
3 DM
12 DM
13 DM
14 DM
15 DM
1 DK
2 DK
4 DJ
6 DM
10 DB
1 DJ
7 DM
20 DB
3 DL
4 DL
17 DM
6 DB
5 DL
6 DL
11 DM
15 DB
2 DP
14 DB
2 DD
8 DC
4 DH
11 DB
4 DB
9 DC
2 DB
16 DB
13 DL
12 DL
8 DK
9 DK
10 DM
20 DA
8 DB
28 DA
13 DB
8 DA
6 DA
5 DA
29 DA
13 DA
14 DA

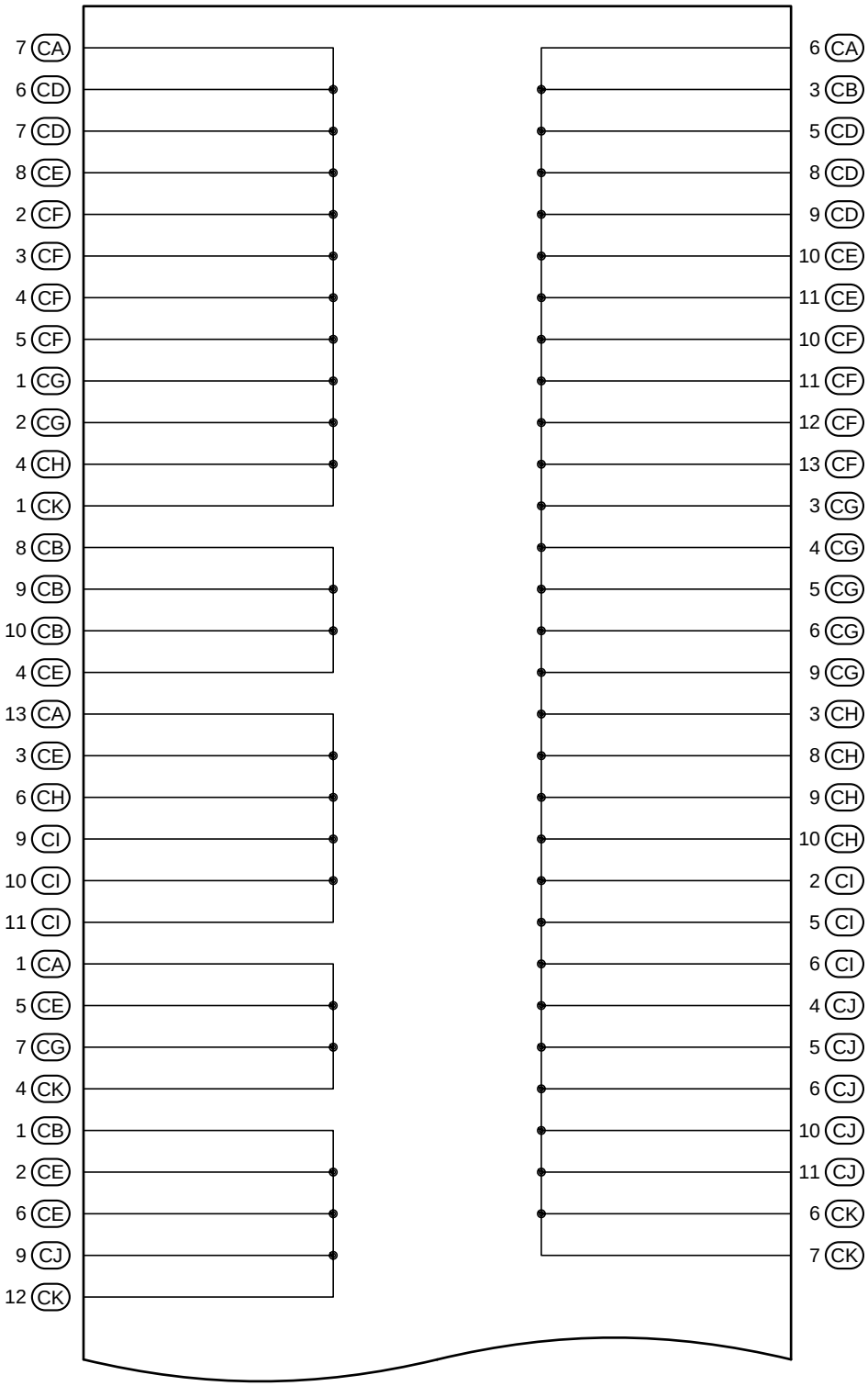
D RELAY LOCATIONS

: Center J/B	Instrument Panel Reinforcement RH (See Page 9)




CK
(from Instrument Panel Wire)
CJ
(from Instrument Panel Wire)
CG
(from Instrument Panel Wire)
CH
(from Instrument Panel Wire)
CI
(from Instrument Panel Wire)

[Center J/B Inner Circuit]



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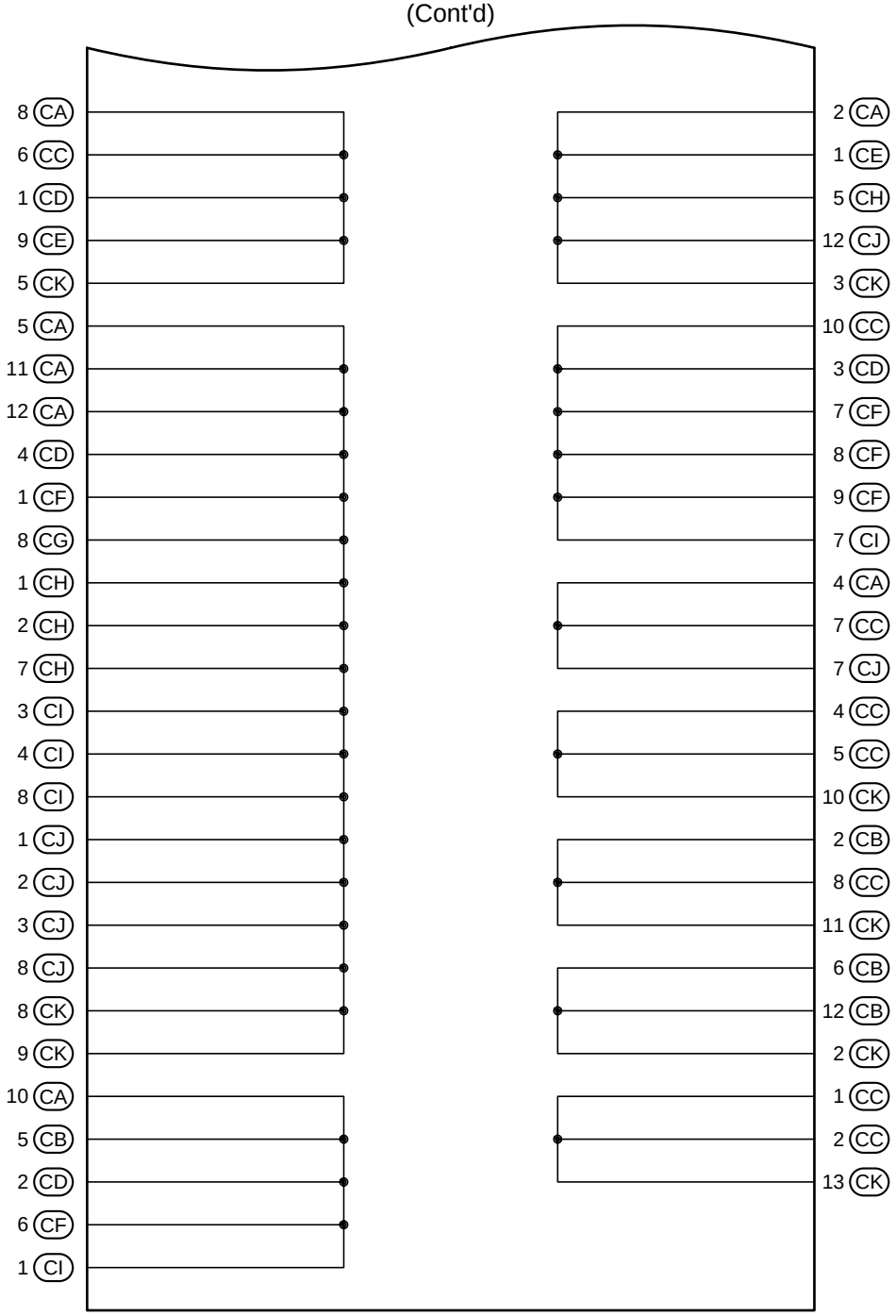
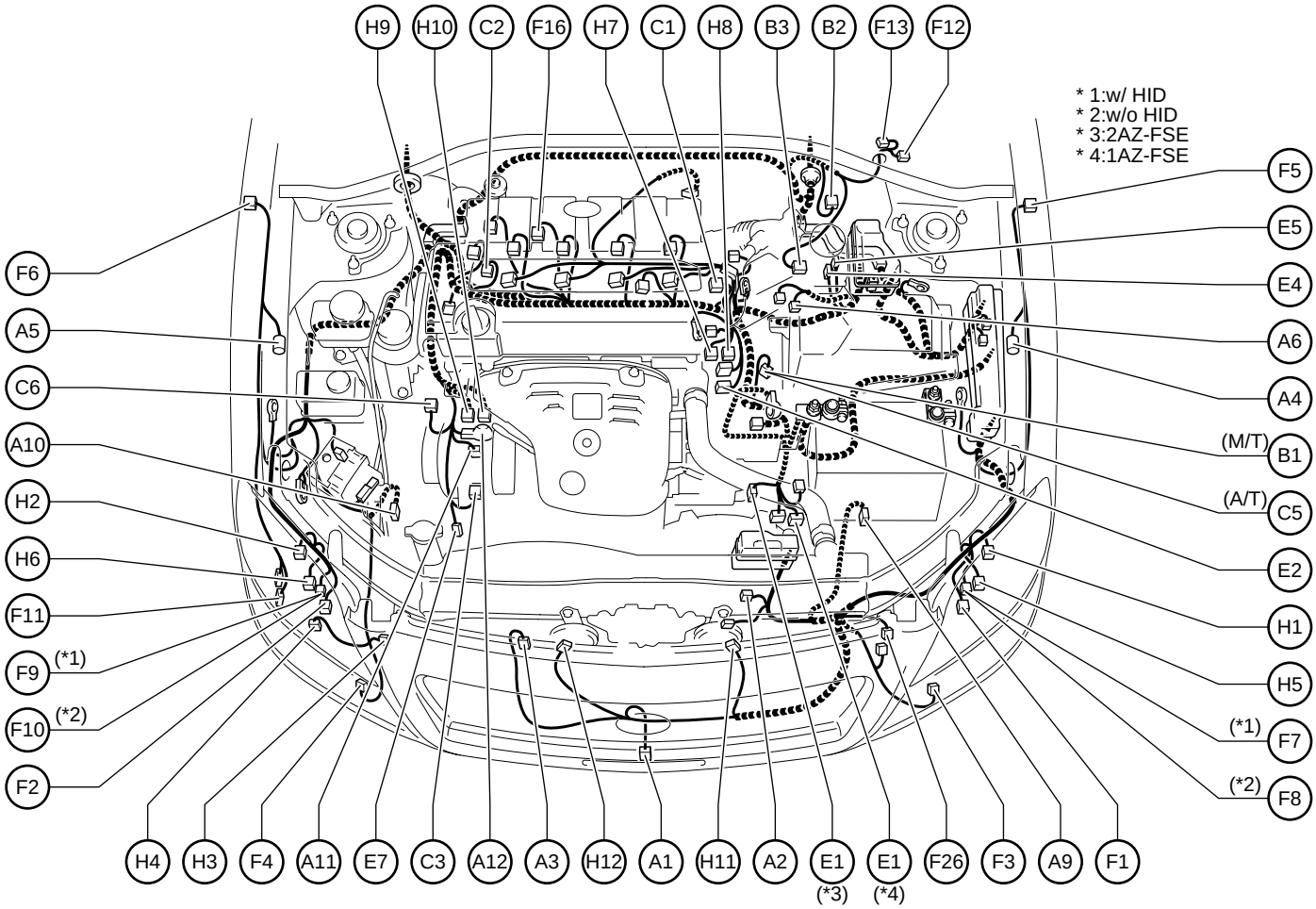
(Cont'd)


8 CA
6 CC
1 CD
9 CE
5 CK
5 CA
11 CA
12 CA
4 CD
1 CF
8 CG
1 CH
2 CH
7 CH
3 CI
4 CI
8 CI
1 CJ
2 CJ
3 CJ
8 CJ
8 CK
9 CK
10 CA
5 CB
2 CD
6 CF
1 CI
2 CA
1 CE
5 CH
12 CJ
3 CK
10 CC
3 CD
7 CF
8 CF
9 CF
7 CI
4 CA
7 CC
7 CJ
4 CC
5 CC
10 CK
2 CB
8 CC
11 CK
6 CB
12 CB
2 CK
1 CC
2 CC
13 CK

Position of Parts in Engine Compartment

[LHD : 2AZ–FSE, 1AZ–FSE]



A 1 A/C Ambient Temp. Sensor
A 2 A/C Condenser Fan Motor
A 3 A/C Pressure Sensor
A 4 ABS Speed Sensor Front LH
A 5 ABS Speed Sensor Front RH
A 6 Air Flow Meter
A 9 Airbag Sensor Front LH
A10 Airbag Sensor Front RH
A11 Alternator
A12 Alternator

B 1 Back–Up Light SW
B 2 Brake Booster Pressure Sensor
B 3 Brake Fluid Level Warning SW

C 1 Camshaft Position Sensor
C 2 Camshaft Timing Oil Control Valve
C 3 Compressor Assembly
C 5 Counter Gear Speed Sensor
C 6 Crankshaft Position Sensor

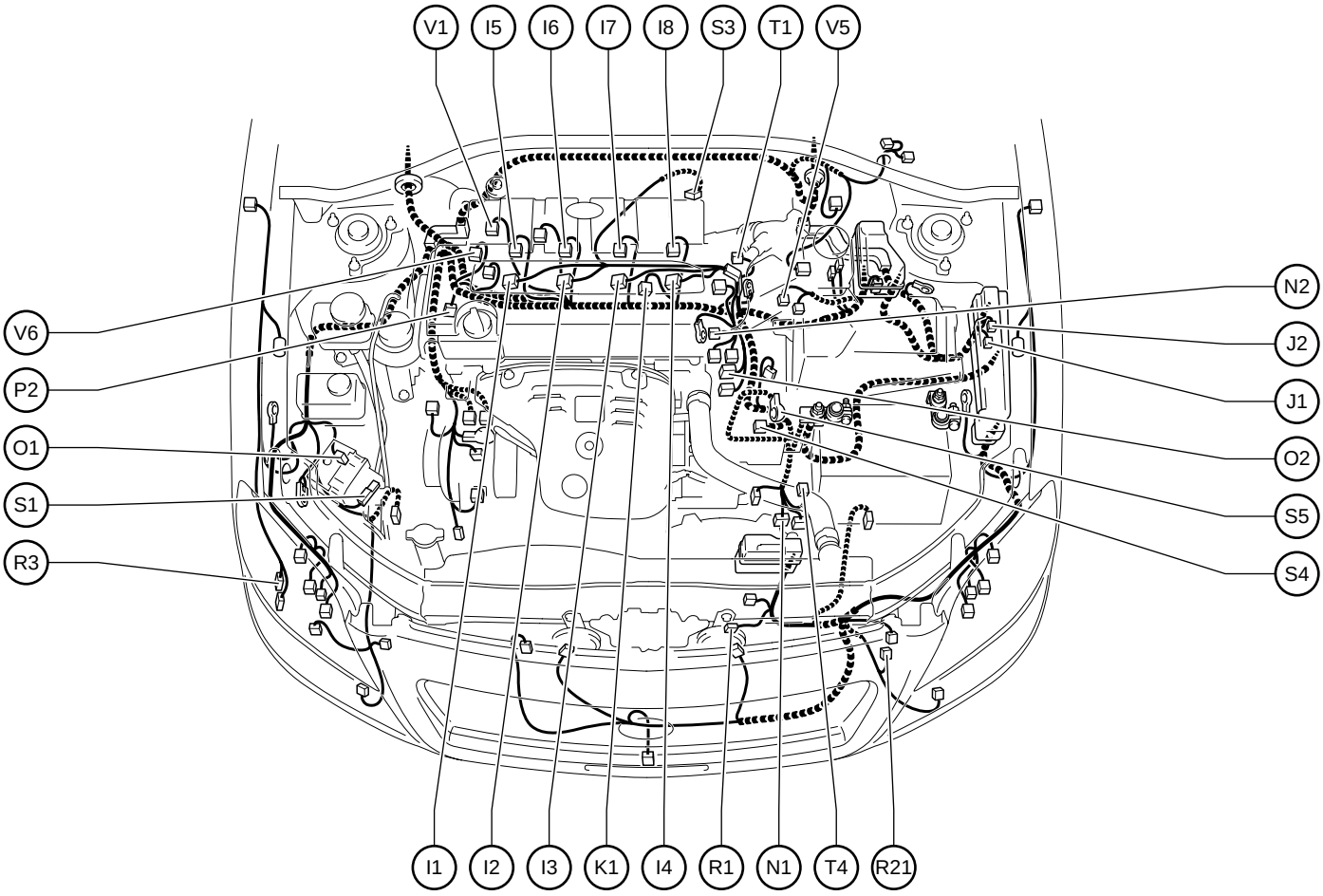
E 1 ECT Solenoid
E 2 EFI Water Temp. Sensor
E 4 Electronic Driver Unit
E 5 Electronic Driver Unit
E 7 Engine Oil Level Sensor

F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 3 Front Fog Light LH
F 4 Front Fog Light RH
F 5 Front Side Turn Signal Light LH
F 6 Front Side Turn Signal Light RH
F 7 Front Turn Signal Light LH
Headlight Control ECU LH
F 8 Front Turn Signal Light LH
Headlight LH (Low)
F 9 Front Turn Signal Light RH
Headlight Control ECU RH
F10 Front Turn Signal Light RH
Headlight RH (Low)
F11 Front Washer Motor
F12 Front Window Deicer
F13 Front Wiper Motor
F16 Fuel Pressure Sensor
F26 Fuel Pump Resistor

H 1 Headlight Beam Level Control Actuator LH
H 2 Headlight Beam Level Control Actuator RH
H 3 Headlight Cleaner Control Relay
H 4 Headlight Cleaner Motor
H 5 Headlight LH (High)
H 6 Headlight RH (High)
H 7 Heated Oxygen Sensor (Bank 1 Sensor 1)
H 8 Heated Oxygen Sensor (Bank 1 Sensor 2)
H 9 Heated Oxygen Sensor (Bank 2 Sensor 1)
H10 Heated Oxygen Sensor (Bank 2 Sensor 2)
H11 Horn LH
H12 Horn RH

Position of Parts in Engine Compartment

[LHD : 2AZ–FSE, 1AZ–FSE]



I 1 Ignition Coil and Igniter No.1
I 2 Ignition Coil and Igniter No.2
I 3 Ignition Coil and Igniter No.3
I 4 Ignition Coil and Igniter No.4
I 5 Injector No.1
I 6 Injector No.2
I 7 Injector No.3
I 8 Injector No.4

J 1 Junction Connector
J 2 Junction Connector

K 1 Knock Sensor

N 1 Neutral Start SW
N 2 Noise Filter (Ignition)

O 1 Oil Pressure Sensor
O 2 Oil Pressure SW

P 2 Power Steering Oil Pressure SW

R 1 Radiator Fan Motor
R 3 Rear Washer Motor
R21 Radiator Fan Relay

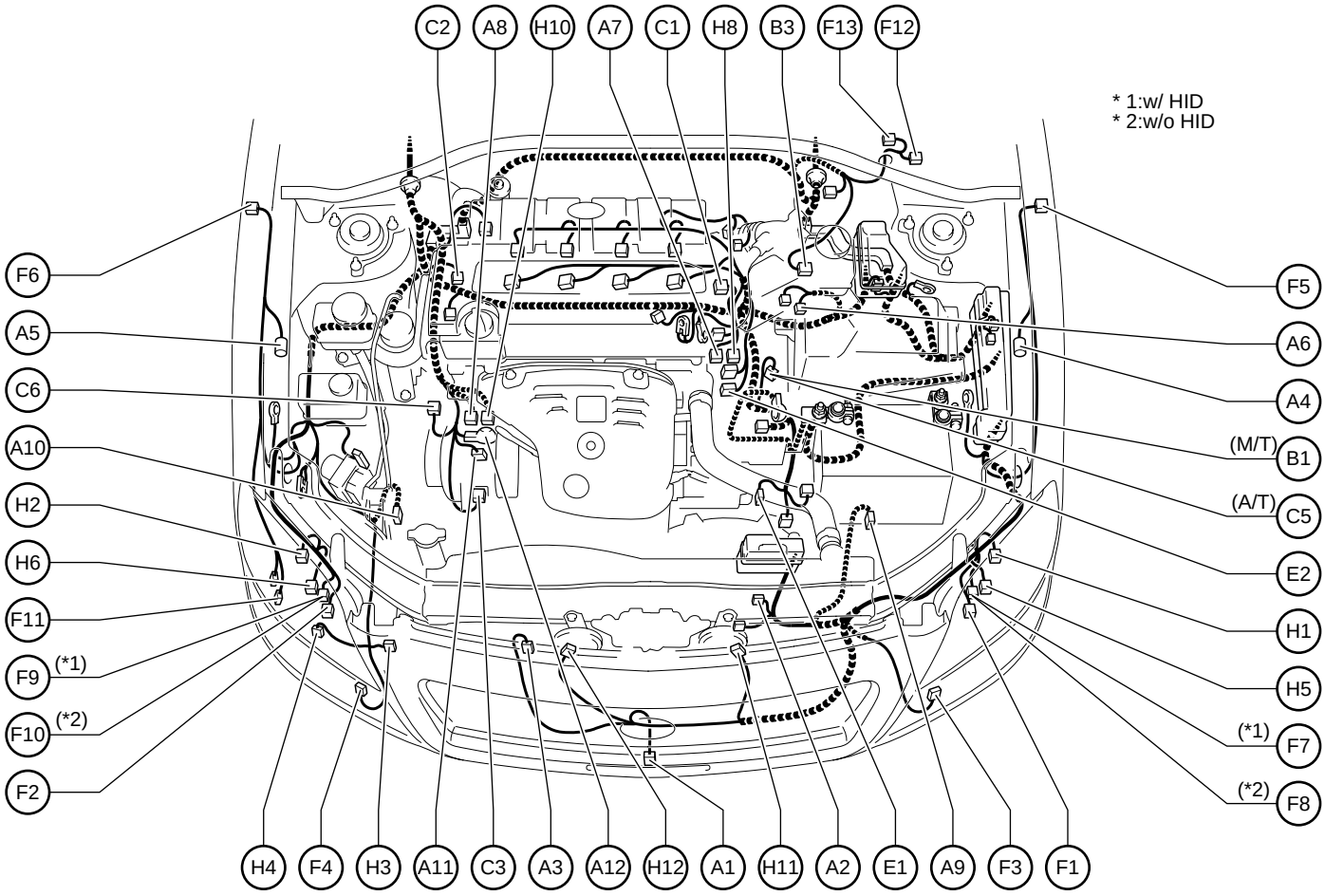
S 1 Skid Control ECU with Actuator
S 3 Spill Valve
S 4 Starter
S 5 Starter

T 1 Throttle Control Motor and Position Sensor
T 4 Turbine Speed Sensor

V 1 Vacuum Sensor
V 5 VSV (EVAP)
V 6 VSV (Intake Air Control Valve)

Position of Parts in Engine Compartment

[LHD : 1AZ–FE]



A 1 A/C Ambient Temp. Sensor
A 2 A/C Condenser Fan Motor
A 3 A/C Pressure Sensor
A 4 ABS Speed Sensor Front LH
A 5 ABS Speed Sensor Front RH
A 6 Air Flow Meter
A 7 Air Fuel Ratio Sensor (Bank 1 Sensor 1)
A 8 Air Fuel Ratio Sensor (Bank 2 Sensor 1)
A 9 Airbag Sensor Front LH
A10 Airbag Sensor Front RH
A11 Alternator
A12 Alternator

B 1 Back–Up Light SW
B 3 Brake Fluid Level Warning SW

C 1 Camshaft Position Sensor
C 2 Camshaft Timing Oil Control Valve
C 3 Compressor Assembly
C 5 Counter Gear Speed Sensor
C 6 Crankshaft Position Sensor

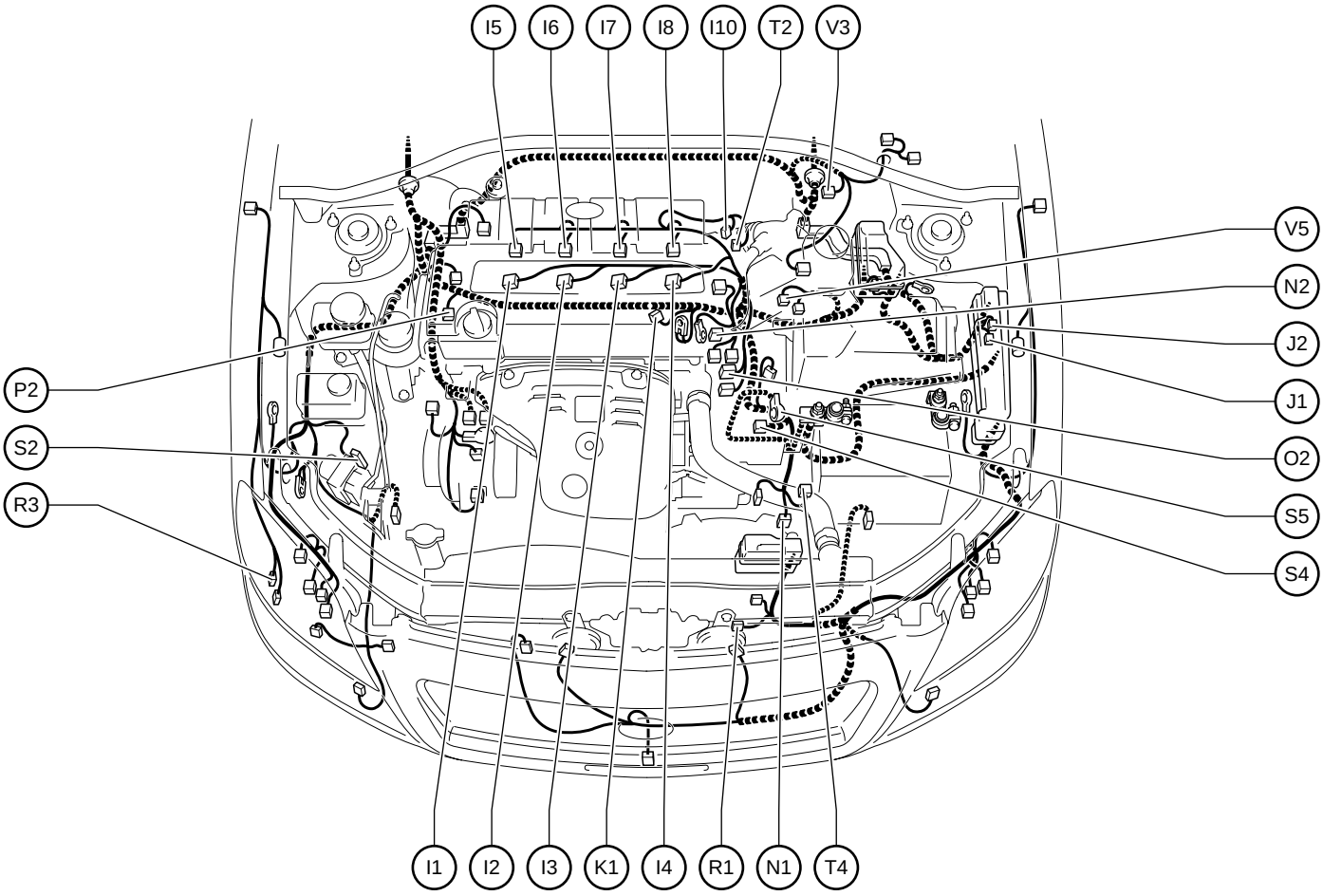
E 1 ECT Solenoid
E 2 EFI Water Temp. Sensor

F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 3 Front Fog Light LH
F 4 Front Fog Light RH
F 5 Front Side Turn Signal Light LH
F 6 Front Side Turn Signal Light RH
F 7 Front Turn Signal Light LH
Headlight Control ECU LH
F 8 Front Turn Signal Light LH
Headlight LH (Low)
F 9 Front Turn Signal Light RH
Headlight Control ECU RH
F10 Front Turn Signal Light RH
Headlight RH (Low)
F11 Front Washer Motor
F12 Front Window Deicer
F13 Front Wiper Motor

H 1 Headlight Beam Level Control Actuator LH
H 2 Headlight Beam Level Control Actuator RH
H 3 Headlight Cleaner Control Relay
H 4 Headlight Cleaner Motor
H 5 Headlight LH (High)
H 6 Headlight RH (High)
H 8 Heated Oxygen Sensor (Bank 1 Sensor 2)
H10 Heated Oxygen Sensor (Bank 2 Sensor 2)
H11 Horn LH
H12 Horn RH

Position of Parts in Engine Compartment

[LHD : 1AZ–FE]



I 1 Ignition Coil and Igniter No.1
I 2 Ignition Coil and Igniter No.2
I 3 Ignition Coil and Igniter No.3
I 4 Ignition Coil and Igniter No.4
I 5 Injector No.1
I 6 Injector No.2
I 7 Injector No.3
I 8 Injector No.4
I 10 ISC Valve

J 1 Junction Connector
J 2 Junction Connector

K 1 Knock Sensor

N 1 Neutral Start SW
N 2 Noise Filter (Ignition)

O 2 Oil Pressure SW

P 2 Power Steering Oil Pressure SW

R 1 Radiator Fan Motor
R 3 Rear Washer Motor

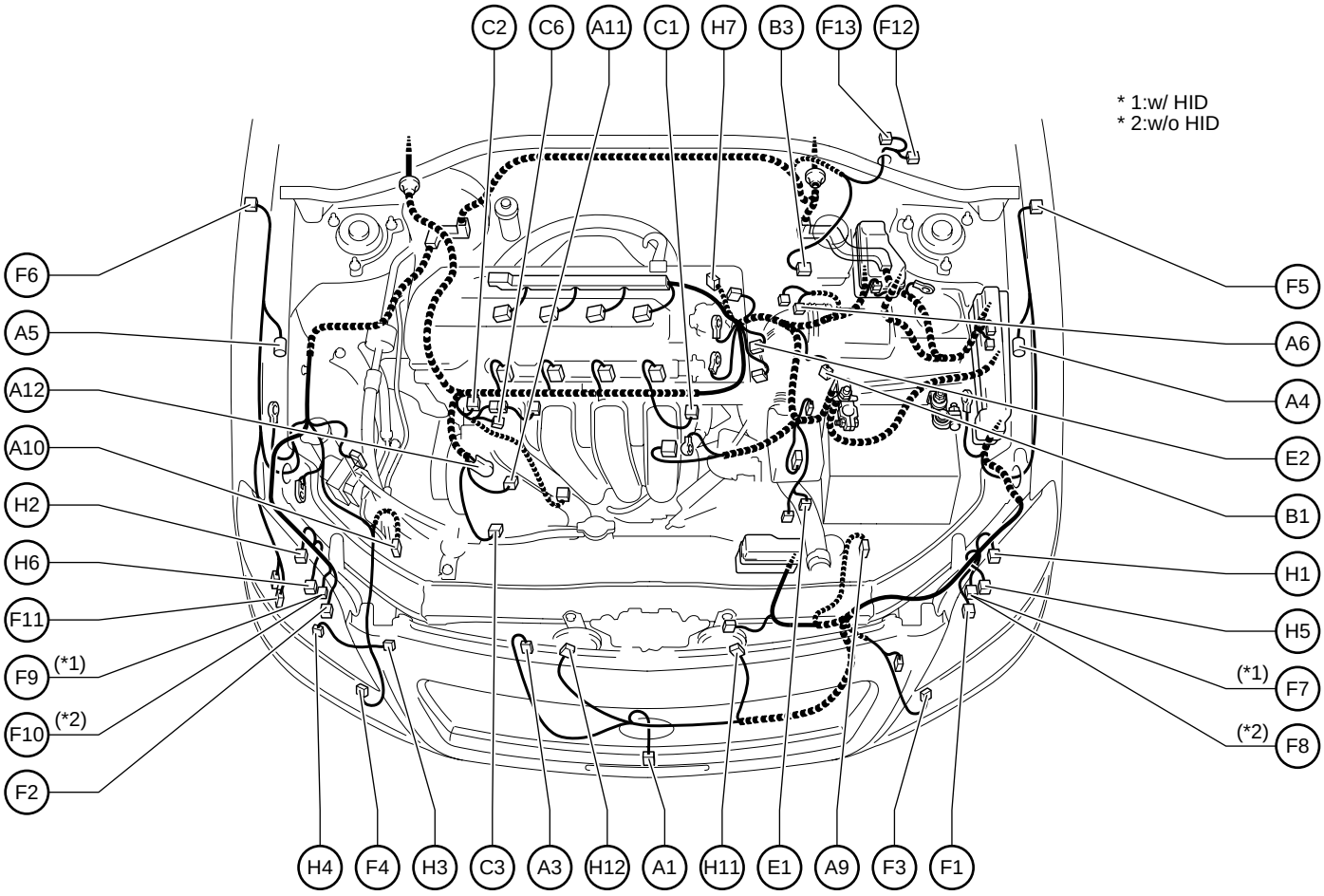
S 2 Skid Control ECU with Actuator
S 4 Starter
S 5 Starter

T 2 Throttle Position Sensor
T 4 Turbine Speed Sensor

V 3 Variable Resistor
V 5 VSV (EVAP)

Position of Parts in Engine Compartment

[LHD : 1ZZ–FE, 3ZZ–FE]



A 1 A/C Ambient Temp. Sensor
A 3 A/C Pressure Sensor
A 4 ABS Speed Sensor Front LH
A 5 ABS Speed Sensor Front RH
A 6 Air Flow Meter
A 9 Airbag Sensor Front LH
A10 Airbag Sensor Front RH
A11 Alternator
A12 Alternator

B 1 Back–Up Light SW
B 3 Brake Fluid Level Warning SW

C 1 Camshaft Position Sensor
C 2 Camshaft Timing Oil Control Valve
C 3 Compressor Assembly
C 6 Crankshaft Position Sensor

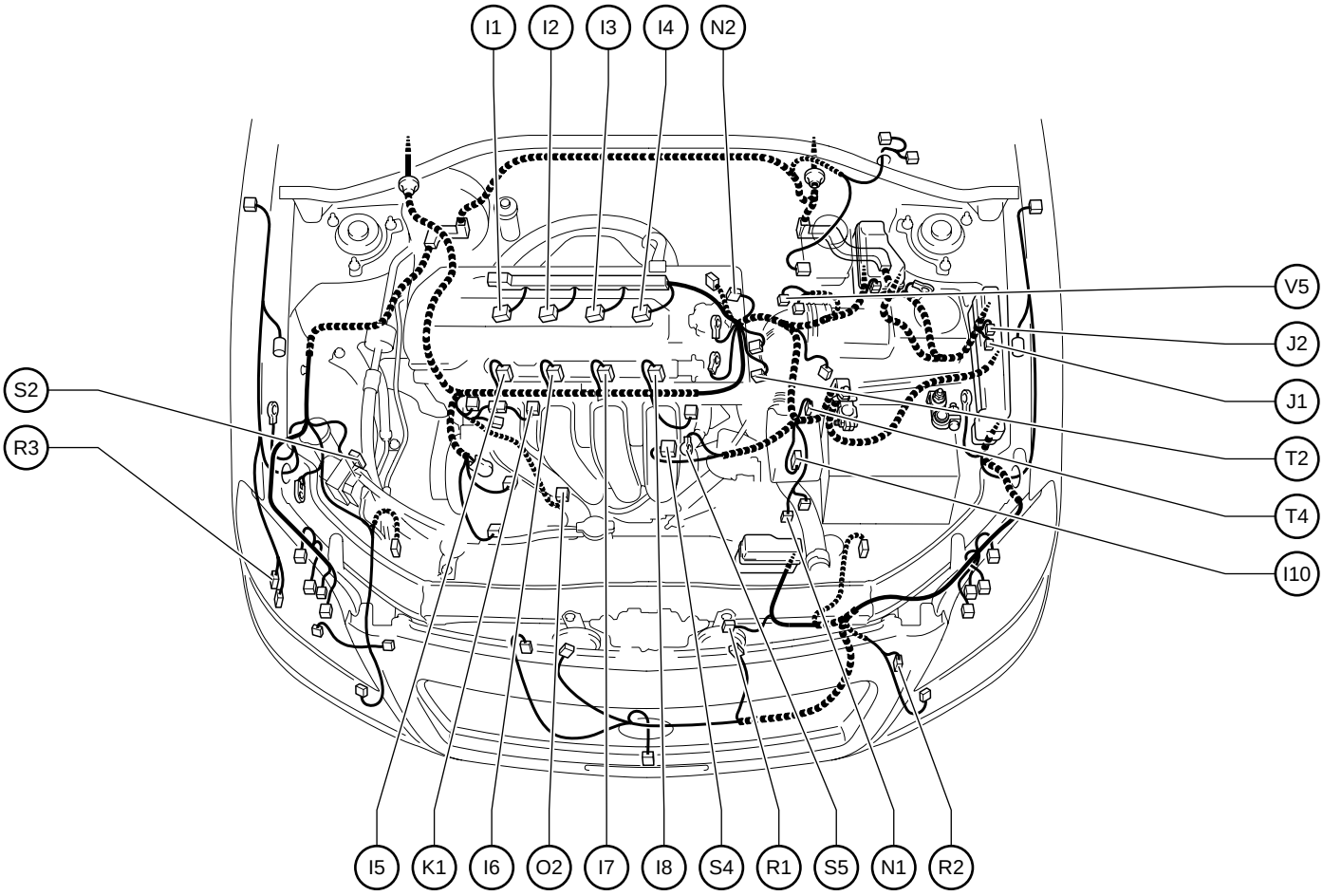
E 1 ECT Solenoid
E 2 EFI Water Temp. Sensor

F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 3 Front Fog Light LH
F 4 Front Fog Light RH
F 5 Front Side Turn Signal Light LH
F 6 Front Side Turn Signal Light RH
F 7 Front Turn Signal Light LH
Headlight Control ECU LH
F 8 Front Turn Signal Light LH
Headlight LH (Low)
F 9 Front Turn Signal Light RH
Headlight Control ECU RH
F10 Front Turn Signal Light RH
Headlight RH (Low)
F11 Front Washer Motor
F12 Front Window Deicer
F13 Front Wiper Motor

H 1 Headlight Beam Level Control Actuator LH
H 2 Headlight Beam Level Control Actuator RH
H 3 Headlight Cleaner Control Relay
H 4 Headlight Cleaner Motor
H 5 Headlight LH (High)
H 6 Headlight RH (High)
H 7 Heated Oxygen Sensor (Bank 1 Sensor 1)
H11 Horn LH
H12 Horn RH

Position of Parts in Engine Compartment

[LHD : 1ZZ–FE, 3ZZ–FE]



I 1 Ignition Coil and Igniter No.1
I 2 Ignition Coil and Igniter No.2
I 3 Ignition Coil and Igniter No.3
I 4 Ignition Coil and Igniter No.4
I 5 Injector No.1
I 6 Injector No.2
I 7 Injector No.3
I 8 Injector No.4
I 10 ISC Valve

J 1 Junction Connector
J 2 Junction Connector

K 1 Knock Sensor

N 1 Neutral Start SW
N 2 Noise Filter (Ignition)

O 2 Oil Pressure SW

R 1 Radiator Fan Motor
R 2 Radiator Fan Resistor
R 3 Rear Washer Motor

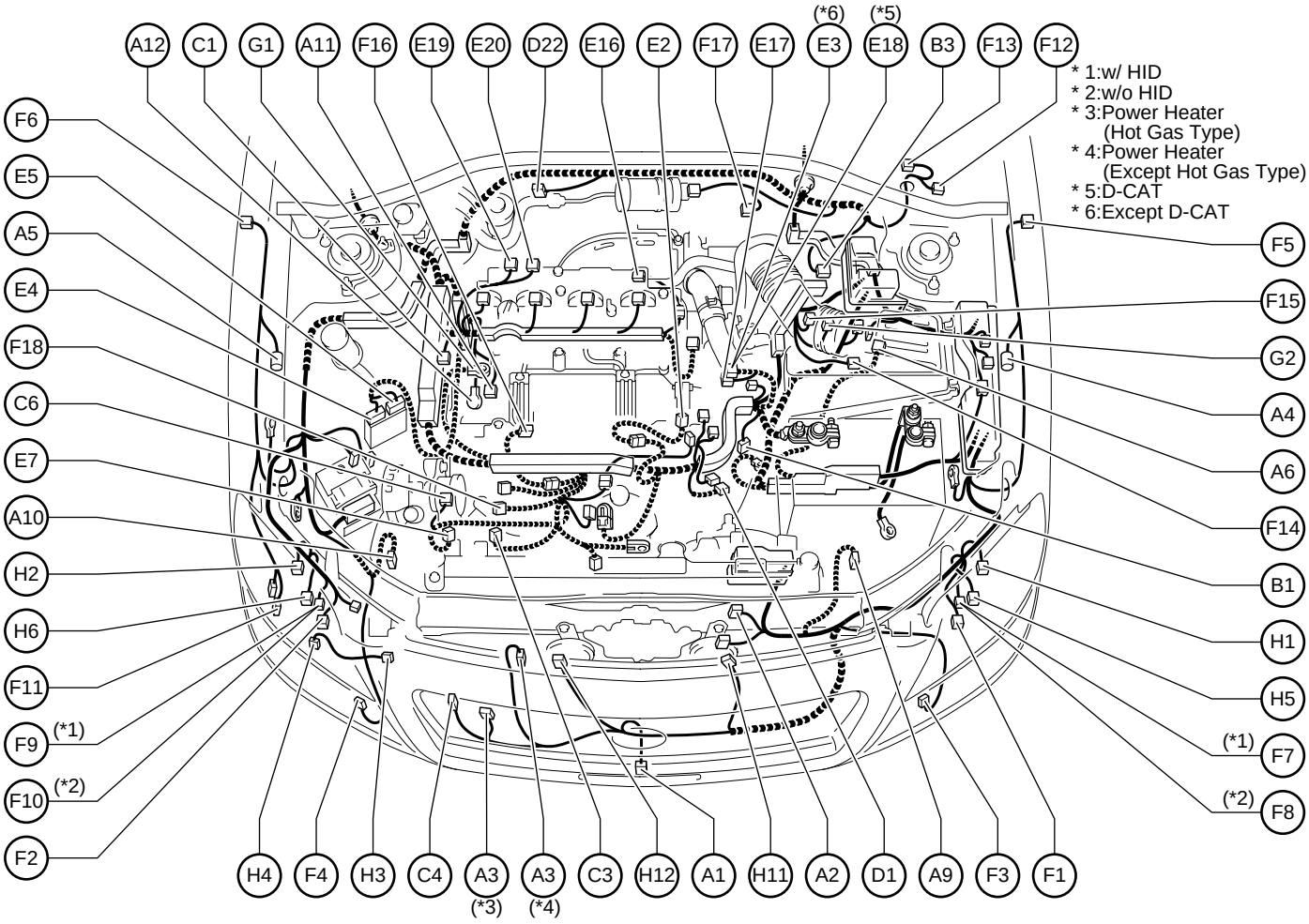
S 2 Skid Control ECU with Actuator
S 4 Starter
S 5 Starter

T 2 Throttle Position Sensor
T 4 Turbine Speed Sensor

V 5 VSV (EVAP)

Position of Parts in Engine Compartment

[LHD : 1CD–FTV]



A 1 A/C Ambient Temp. Sensor
A 2 A/C Condenser Fan Motor
A 3 A/C Pressure Sensor
A 4 ABS Speed Sensor Front LH
A 5 ABS Speed Sensor Front RH
A 6 Air Flow Meter
A 9 Airbag Sensor Front LH
A 10 Airbag Sensor Front RH
A 11 Alternator
A 12 Alternator

B 1 Back–Up Light SW
B 3 Brake Fluid Level Warning SW

C 1 Camshaft Position Sensor
C 3 Compressor Assembly
C 4 Condenser Assembly
C 6 Crankshaft Position Sensor

D 1 Diesel Throttle Control Motor
D 22 Differential Pressure Sensor

E 2 EFI Water Temp. Sensor
E 3 EGR Valve Control Motor
E 4 Electronic Driver Unit
E 5 Electronic Driver Unit
E 7 Engine Oil Level Sensor
E 16 Exhaust Fuel Addition Injector Assembly
E 17 EGR Valve Assembly
E 18 EGR Valve Position Sensor
E 19 Exhaust Gas Temperature Sensor (Front)
E 20 Exhaust Gas Temperature Sensor (Rear)

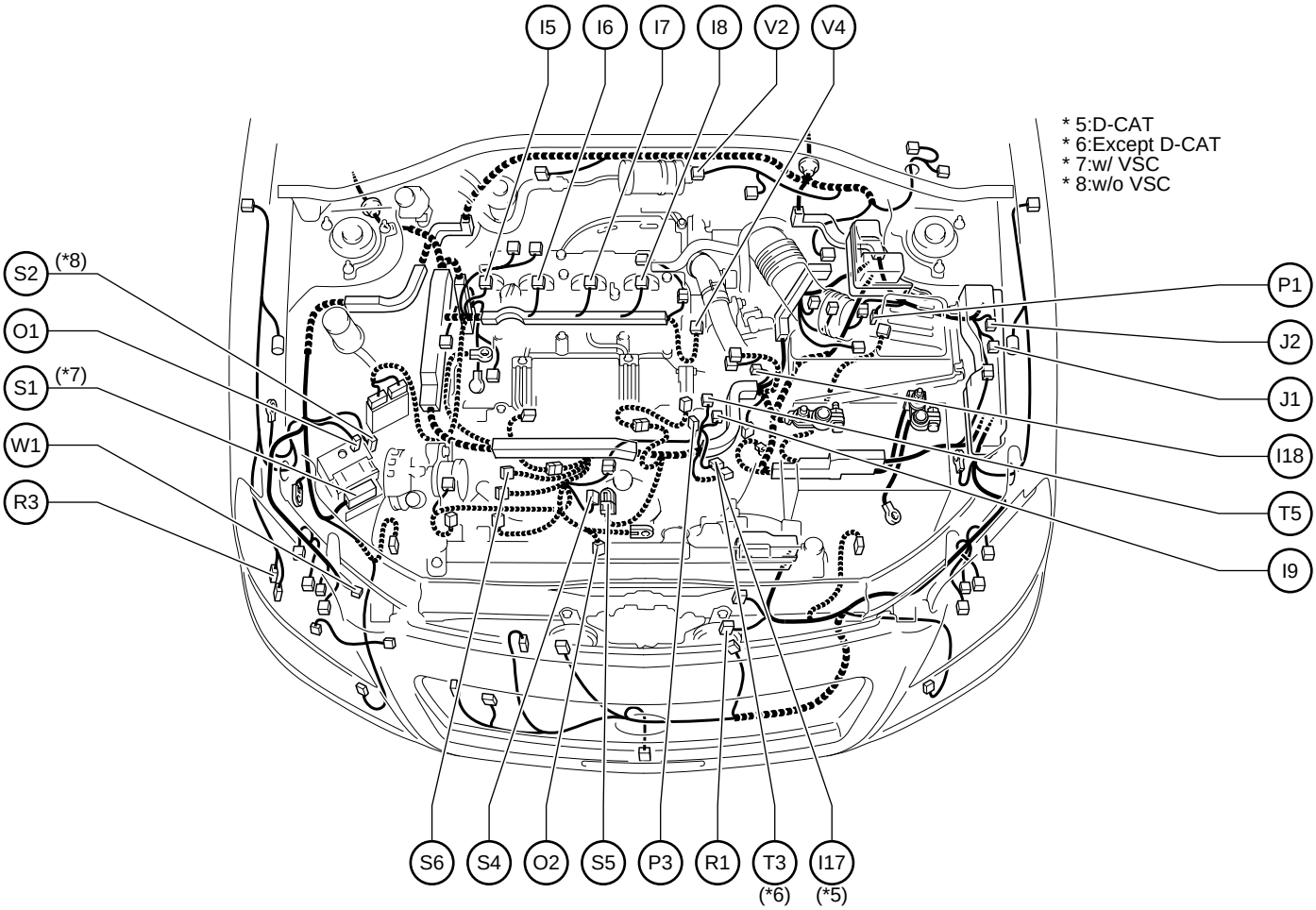
F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 3 Front Fog Light LH
F 4 Front Fog Light RH
F 5 Front Side Turn Signal Light LH
F 6 Front Side Turn Signal Light RH
F 7 Front Turn Signal Light LH
Headlight Control ECU LH
F 8 Front Turn Signal Light LH
Headlight LH (Low)
F 9 Front Turn Signal Light RH
Headlight Control ECU RH
F 10 Front Turn Signal Light RH
Headlight RH (Low)
F 11 Front Washer Motor
F 12 Front Window Deicer
F 13 Front Wiper Motor
F 14 Fuel Filter Warning SW
F 15 Fuel Heater
F 16 Fuel Pressure Sensor
F 17 Fuel Pump
F 18 Fuel Temp. Sensor

G 1 Glow Plug
G 2 Glow Plug Relay

H 1 Headlight Beam Level Control Actuator LH
H 2 Headlight Beam Level Control Actuator RH
H 3 Headlight Cleaner Control Relay
H 4 Headlight Cleaner Motor
H 5 Headlight LH (High)
H 6 Headlight RH (High)
H 11 Horn LH
H 12 Horn RH

Position of Parts in Engine Compartment

[LHD : 1CD–FTV]



I 5 Injector No.1
I 6 Injector No.2
I 7 Injector No.3
I 8 Injector No.4
I 9 Intake Air Temp. Sensor
I 17 Intake Shutter Assembly
I 18 Intake Shutter Assembly

J 1 Junction Connector
J 2 Junction Connector

O 1 Oil Pressure Sensor
O 2 Oil Pressure SW

P 1 Power Heater Assembly
P 3 Pressure Discharge Valve

R 1 Radiator Fan Motor
R 3 Rear Washer Motor

S 1 Skid Control ECU with Actuator
S 2 Skid Control ECU with Actuator
S 4 Starter
S 5 Starter
S 6 Suction Control Valve

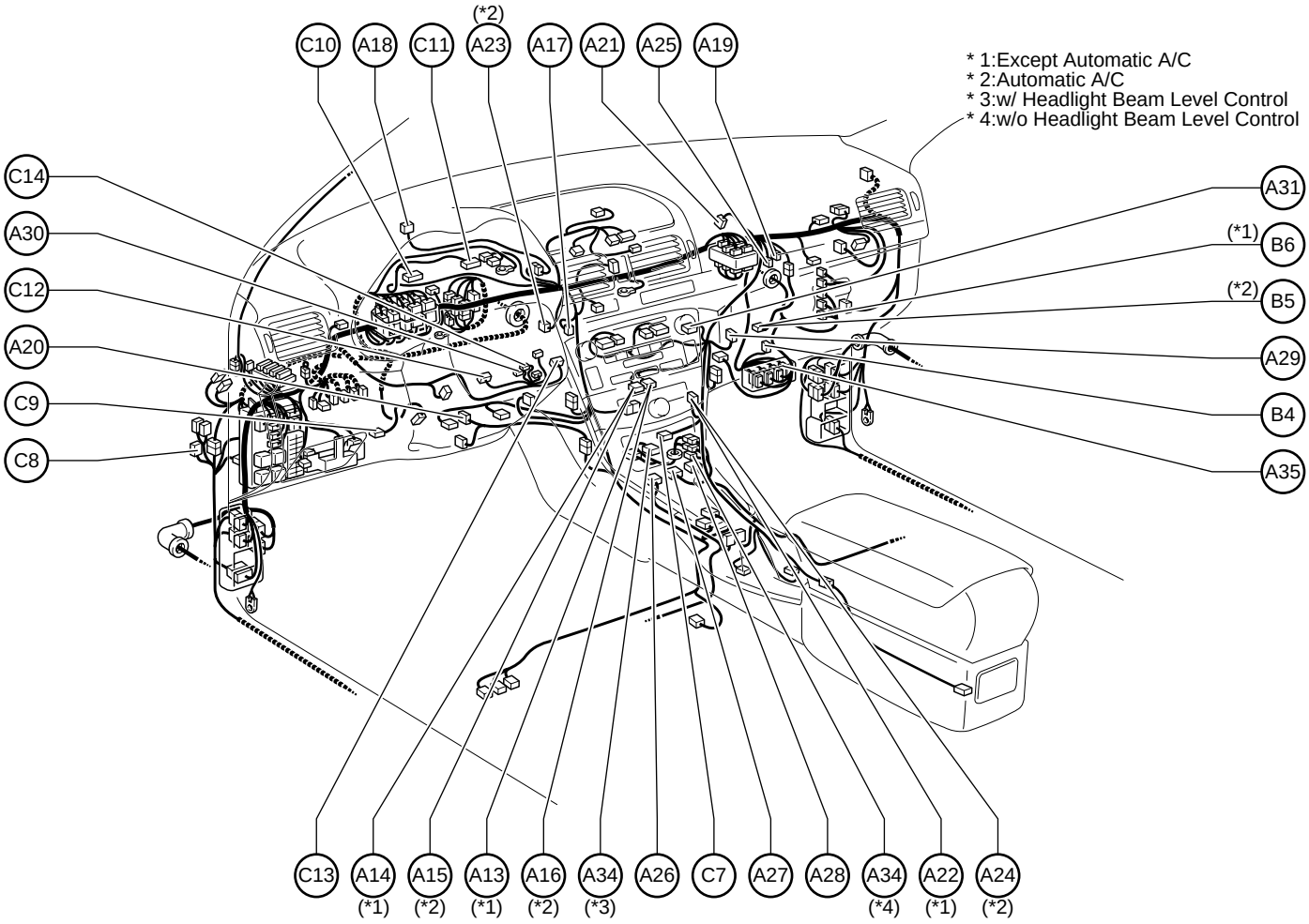
T 3 Throttle Position SW
T 5 Turbo Pressure Sensor

V 2 Vacuum SW
V 4 VRV (EGR)

W 1 Water Temp. SW (Radiator Fan)

Position of Parts in Instrument Panel

[LHD]



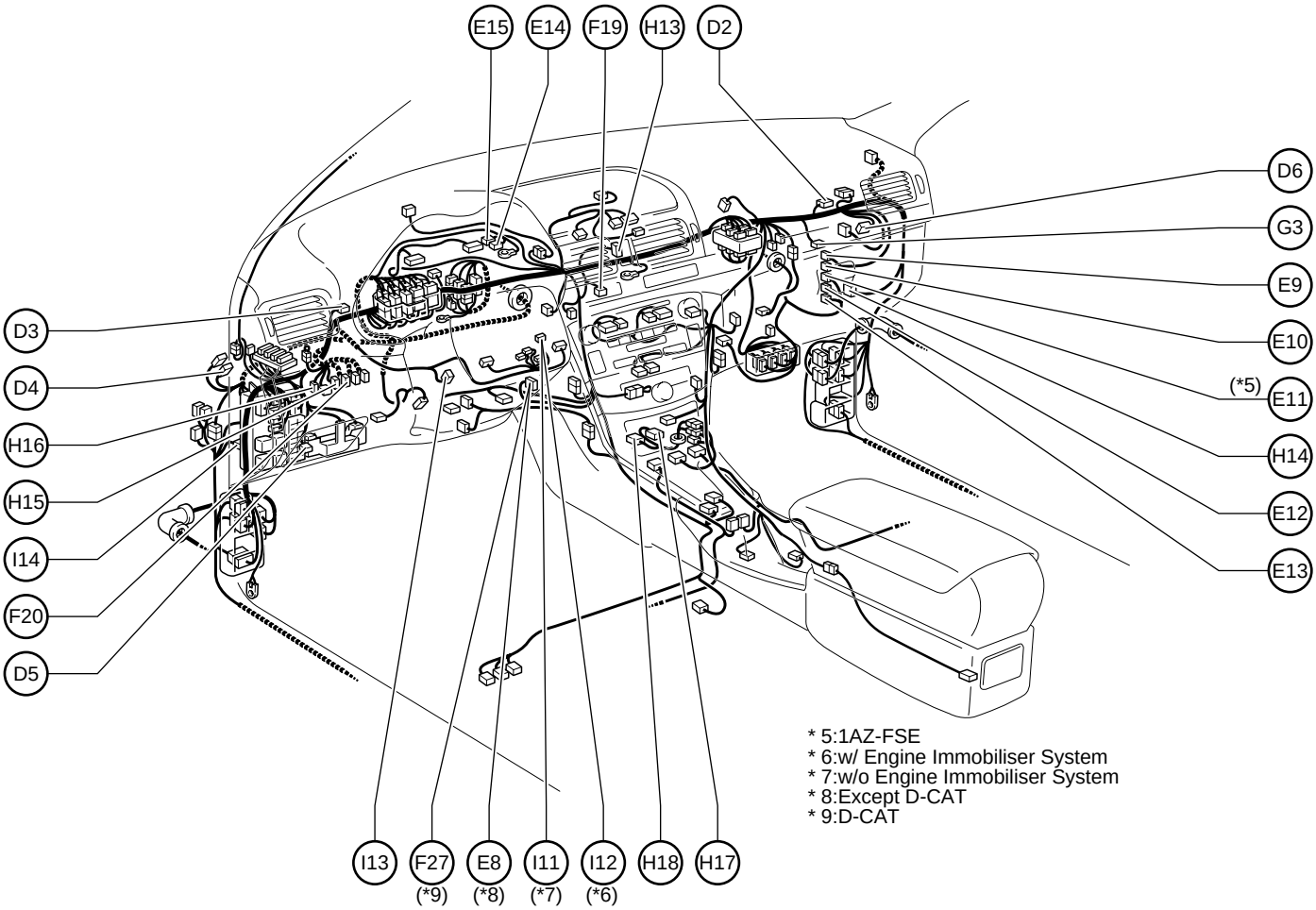
A13 A/C Control Assembly
A14 A/C Control Assembly
A15 A/C Control Assembly
A16 A/C Control Assembly
A17 A/C Room Temp. Sensor
A18 A/C Solar Sensor
A19 A/C Thermistor
A20 Accel Position Sensor
A21 Air Inlet Control Servo Motor
A22 Air Mix Control Servo Motor
A23 Air Mix Control Servo Motor (Driver Side)
A24 Air Mix Control Servo Motor (Front Passenger Side)
A25 Air Vent Mode Control Servo Motor
A26 Airbag Sensor Assembly
A27 Airbag Sensor Assembly
A28 Airbag Sensor Assembly
A29 Airbag Squib (Front Passenger Airbag Assembly)
A30 Airbag Squib (Steering Wheel Pad)
A31 Antenna Amplifier
A34 Air Fuel Ratio Sensor
A35 Air Fuel Ratio Sensor Relay

B 4 Blower Motor
B 5 Blower Motor Controller
B 6 Blower Resistor

C 7 Cigarette Lighter
Cigarette Lighter Illumination
C 8 Circuit Opening Relay
C 9 Clutch Start SW
C10 Combination Meter
C11 Combination Meter
C12 Combination SW
C13 Combination SW
C14 Combination SW

Position of Parts in Instrument Panel

[LHD]



D 2 Diode
D 3 Diode
D 4 Diode (Fan)
D 5 DLC3
D 6 Door Control Receiver

E 8 ECT Pattern Select SW
E 9 Engine and ECT ECU (A/T)
Engine ECU (M/T)
E 10 Engine and ECT ECU (A/T)
Engine ECU (M/T)
E 11 Engine and ECT ECU (A/T)
Engine ECU (M/T)
E 12 Engine and ECT ECU (A/T)
Engine ECU (M/T)
E 13 Engine and ECT ECU (A/T)
Engine ECU (M/T)
E 14 EPS ECU
E 15 EPS ECU

F 19 Front Passenger's Seat Belt Warning Light
Rear Window Defogger SW
Security Indicator Light
F 20 Front Wiper Deicer SW
F 27 Fuel Control SW

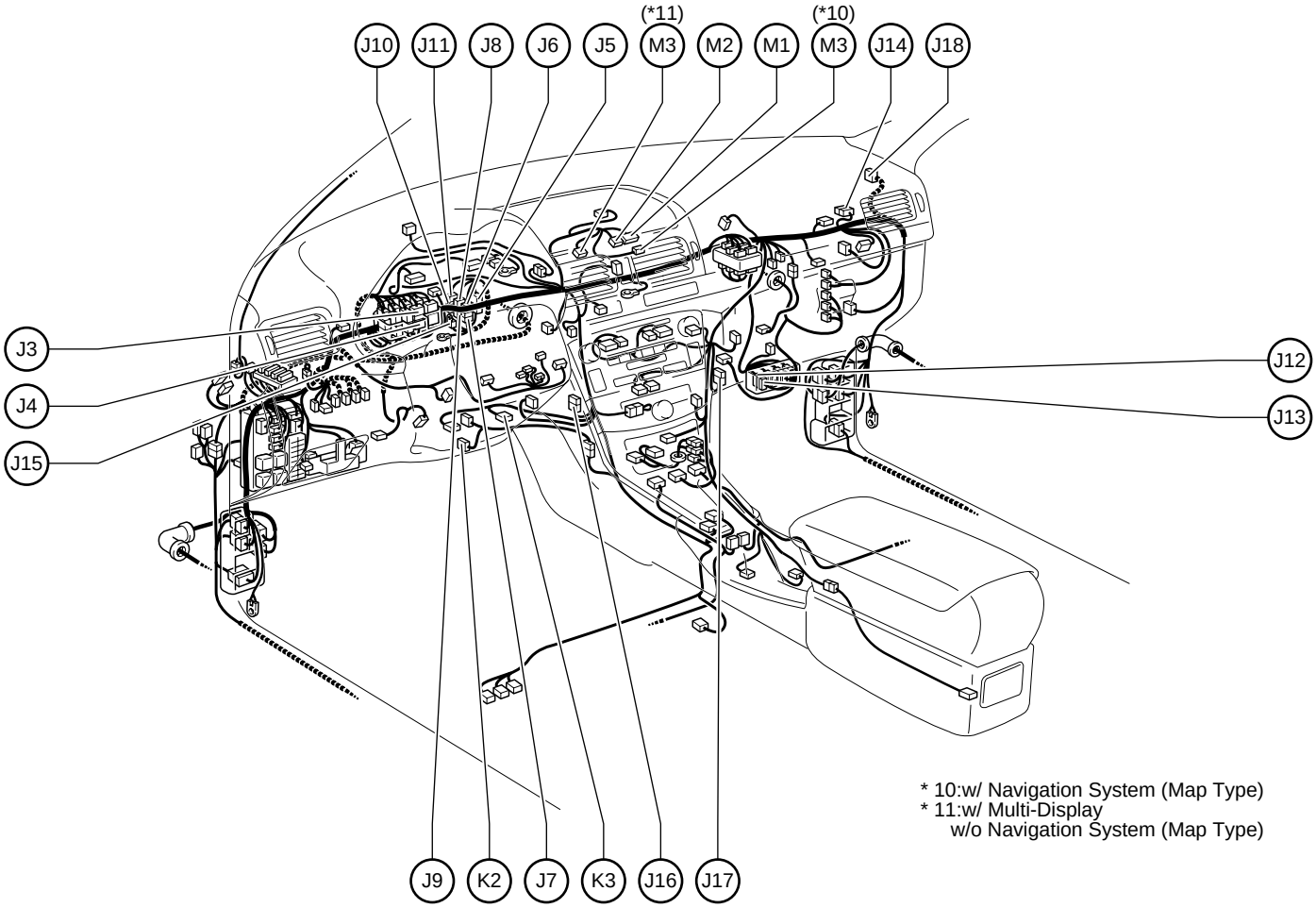
G 3 Glove Box Light

H13 Hazard SW
H14 Headlight Beam Level Control ECU
H15 Headlight Beam Level Control SW
H16 Headlight Cleaner SW
H17 Heated Oxygen Sensor (Bank 1 Sensor 2)
H18 Height Control Sensor (Front)

I 11 Ignition Key Cylinder Light
I 12 Ignition Key Cylinder Light
Transponder Key Amplifier
I 13 Ignition SW
I 14 Integration Relay

Position of Parts in Instrument Panel

[LHD]



* 10:w/ Navigation System (Map Type)
* 11:w/ Multi-Display
  w/o Navigation System (Map Type)

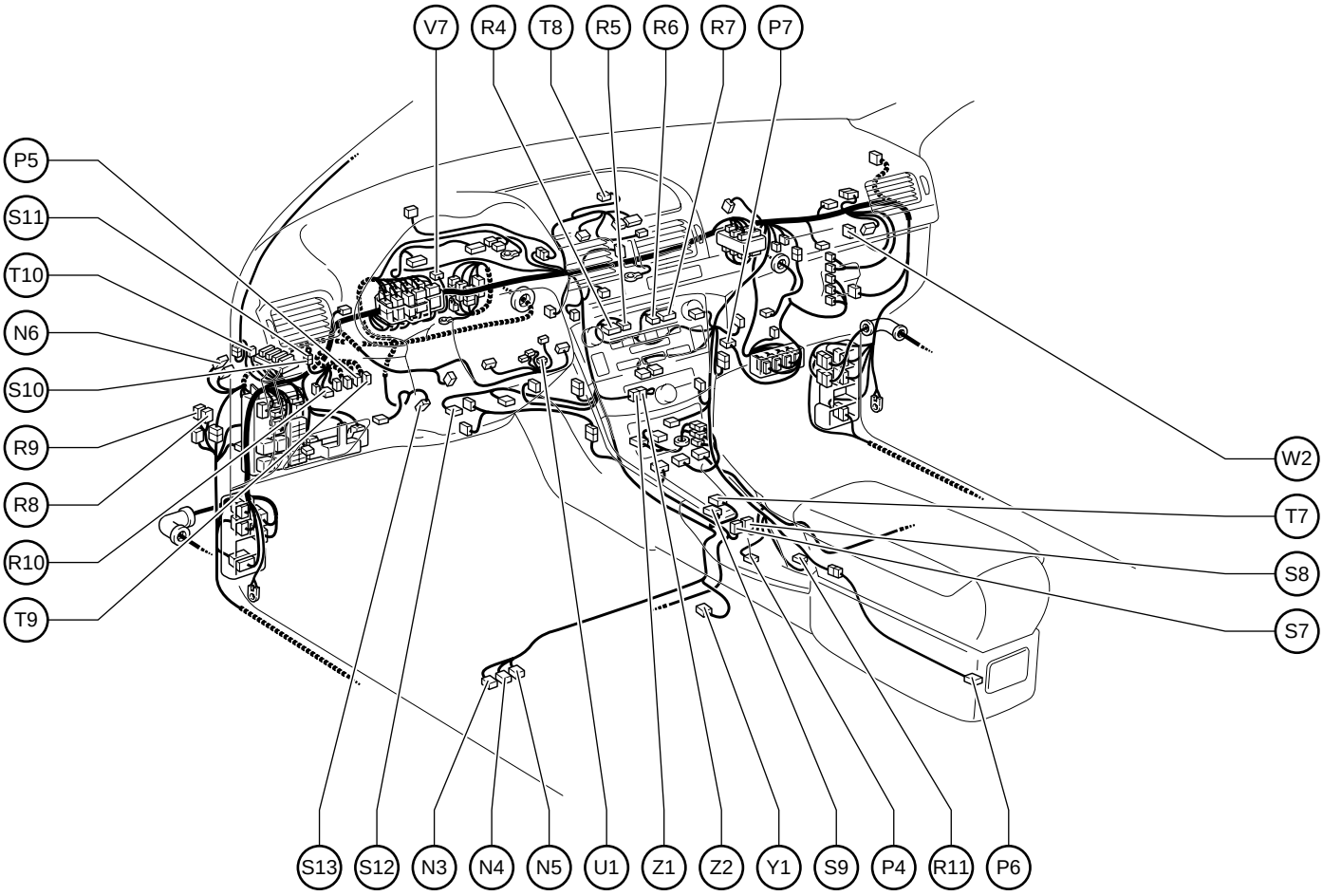
J 3 Junction Connector
J 4 Junction Connector
J 5 Junction Connector
J 6 Junction Connector
J 7 Junction Connector
J 8 Junction Connector
J 9 Junction Connector
J 10 Junction Connector
J 11 Junction Connector
J 12 Junction Connector
J 13 Junction Connector
J 14 Junction Connector
J 15 Junction Connector
J 16 Junction Connector
J 17 Junction Connector
J 18 Junction Connector

K 2 Kick Down SW
K 3 Knee Airbag Squib

M 1 Multi–Display
M 2 Multi–Display
M 3 Multi–Display

Position of Parts in Instrument Panel

[LHD]



N 3 Navigation ECU
N 4 Navigation ECU
N 5 Navigation ECU
N 6 Noise Filter (Rear Window Defogger No.1)

P 4 Parking Brake SW
P 5 Power Heater SW
P 6 Power Outlet
P 7 PTC Heater

R 4 Radio and Player
R 5 Radio and Player
R 6 Radio and Player
R 7 Radio and Player
R 8 Rear Fog Light Relay
R 9 Rear Window Defogger Relay
R10 Remote Control Mirror SW
R11 Remote Controller (Navigation)

S 7 Seat Heater SW
S 8 Seat Heater SW
S 9 Shift Lock Control ECU
S10 Short Connector
S11 Short Connector
S12 Steering Sensor
S13 Stop Light SW

T 7 Transmission Control SW
T 8 Transponder Key Computer
T 9 TRC Off SW
T10 Turn Signal Flasher Relay

U 1 Unlock Warning SW

V 7 VSC Warning Buzzer

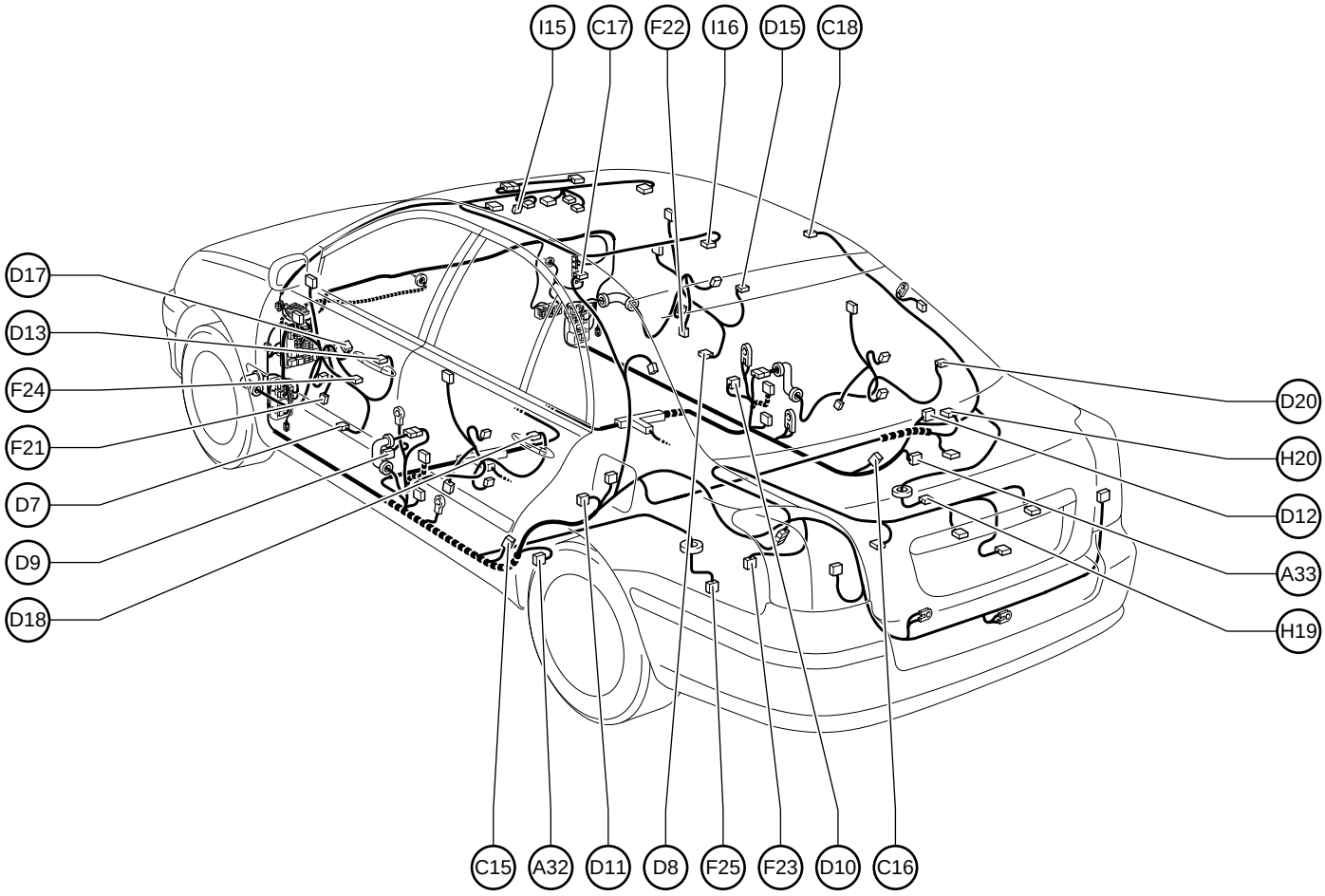
W 2 Wiper Relay

Y 1 Yaw Rate Sensor

Z 1 Option Connector (Navigation ECU)
Z 2 Option Connector (Navigation ECU)

Position of Parts in Body

[LHD : S/D]



A32 ABS Speed Sensor Rear LH
A33 ABS Speed Sensor Rear RH

C15 Curtain Shield Airbag Sensor LH
C16 Curtain Shield Airbag Sensor RH
C17 Curtain Shield Airbag Squib LH
C18 Curtain Shield Airbag Squib RH

D 7 Door Courtesy Light LH
D 8 Door Courtesy Light RH
D 9 Door Courtesy SW Front LH
D10 Door Courtesy SW Front RH
D11 Door Courtesy SW Rear LH
D12 Door Courtesy SW Rear RH
D13 Door Key Lock and Unlock SW (Driver's Side)
Door Lock Control Motor (Driver's Side)
Door Unlock Detection SW (Driver's Side)
D15 Door Lock Control Motor (Front Passenger's Side)
D17 Door Lock Control SW
Power Window Master SW
D18 Door Lock Motor Rear LH
D20 Door Lock Motor Rear RH

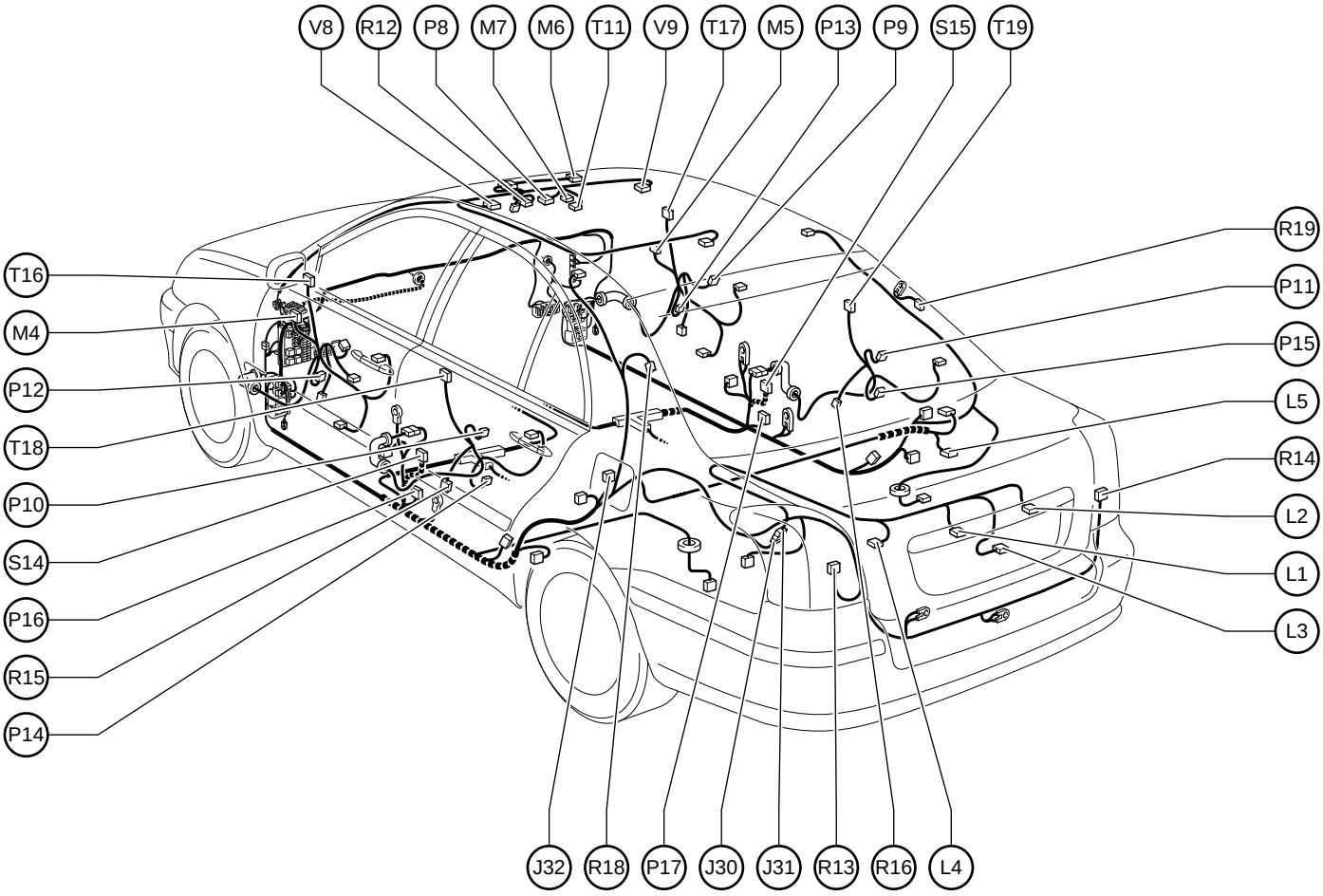
F 21 Front Door Speaker LH
F 22 Front Door Speaker RH
F 23 Fuel Lid Opener Motor
F 24 Fuel Lid Opener SW
F 25 Fuel Pump
Fuel Sender

H19 Height Control Sensor (Rear)
H20 High Mounted Stop Light

I 15 Inner Mirror
I 16 Interior Light

Position of Parts in Body

[LHD : S/D]



J 30 Junction Connector
J 31 Junction Connector
J 32 Junction Connector

L 1 License Plate Light LH
L 2 License Plate Light RH
L 3 Luggage Compartment Door Lock Motor
Luggage Compartment Light SW
L 4 Luggage Compartment Door Opener SW
L 5 Luggage Compartment Light

M 4 Mirror Heater LH
Remote Control Mirror LH
M 5 Mirror Heater RH
Remote Control Mirror RH
M 6 Moon Roof Control Relay and Motor
M 7 Moon Roof Control SW

P 8 Personal Light
P 9 Power Window Control SW (Front Passenger Side)
P 10 Power Window Control SW Rear LH
P 11 Power Window Control SW Rear RH
P 12 Power Window Motor Front LH
P 13 Power Window Motor Front RH
P 14 Power Window Motor Rear LH
P 15 Power Window Motor Rear RH
P 16 Pretensioner LH
P 17 Pretensioner RH

R 12 Rain Sensor
R 13 Rear Combination Light LH
R 14 Rear Combination Light RH
R 15 Rear Door Speaker LH
R 16 Rear Door Speaker RH
R 18 Rear Window Defogger
R 19 Rear Window Defogger

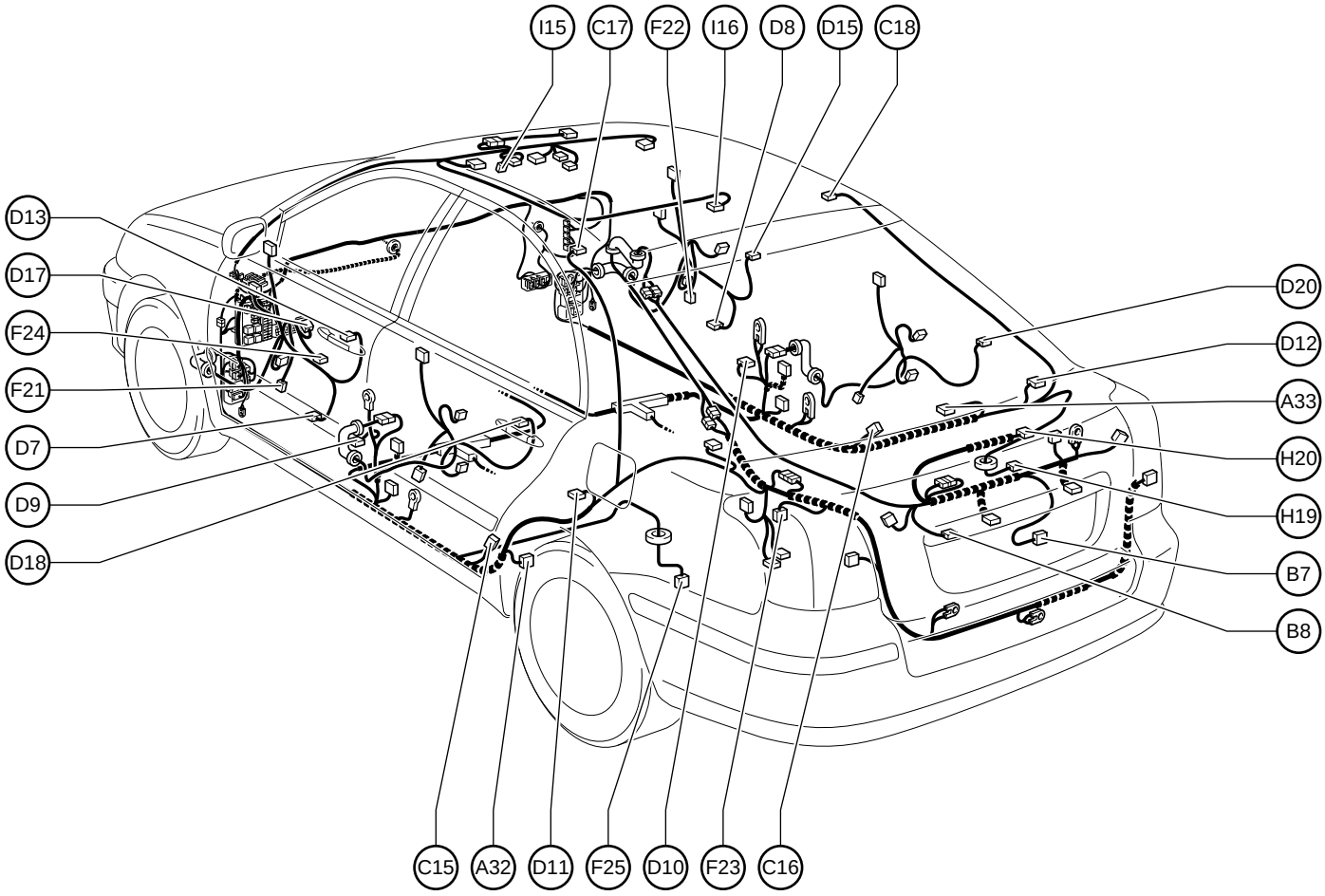
S 14 Side Airbag Sensor LH
S 15 Side Airbag Sensor RH

T 11 Telephone Microphone Amplifier
T 16 Tweeter Front LH
T 17 Tweeter Front RH
T 18 Tweeter Rear LH
T 19 Tweeter Rear RH

V 8 Vanity Light LH
V 9 Vanity Light RH

Position of Parts in Body

[LHD : L/B]



A32 ABS Speed Sensor Rear LH
A33 ABS Speed Sensor Rear RH

B 7 Back Door Courtesy SW
Back Door Lock Motor
B 8 Back Door Opener SW

C15 Curtain Shield Airbag Sensor LH
C16 Curtain Shield Airbag Sensor RH
C17 Curtain Shield Airbag Squib LH
C18 Curtain Shield Airbag Squib RH

D 7 Door Courtesy Light LH
D 8 Door Courtesy Light RH
D 9 Door Courtesy SW Front LH
D10 Door Courtesy SW Front RH
D11 Door Courtesy SW Rear LH
D12 Door Courtesy SW Rear RH
D13 Door Key Lock and Unlock SW (Driver's Side)
Door Lock Control Motor (Driver's Side)
Door Unlock Detection SW (Driver's Side)
D15 Door Lock Control Motor (Front Passenger's Side)
D17 Door Lock Control SW
Power Window Master SW
D18 Door Lock Motor Rear LH
D20 Door Lock Motor Rear RH

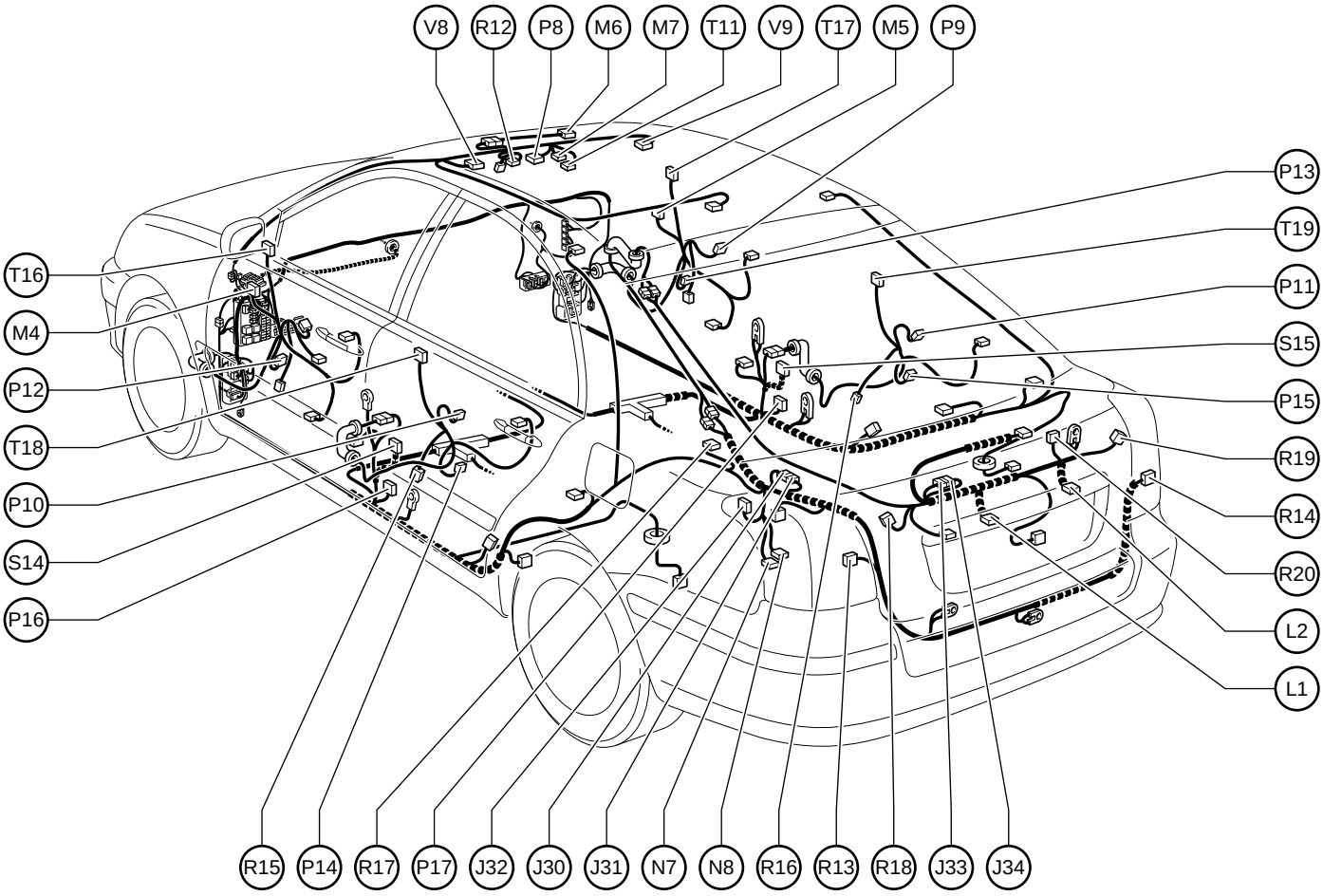
F 21 Front Door Speaker LH
F 22 Front Door Speaker RH
F 23 Fuel Lid Opener Motor
F 24 Fuel Lid Opener SW
F 25 Fuel Pump
Fuel Sender

H19 Height Control Sensor (Rear)
H20 High Mounted Stop Light

I 15 Inner Mirror
I 16 Interior Light

Position of Parts in Body

[LHD : L/B]



J 30 Junction Connector
J 31 Junction Connector
J 32 Junction Connector
J 33 Junction Connector
J 34 Junction Connector

L 1 License Plate Light LH
L 2 License Plate Light RH

M 4 Mirror Heater LH
Remote Control Mirror LH
M 5 Mirror Heater RH
Remote Control Mirror RH
M 6 Moon Roof Control Relay and Motor
M 7 Moon Roof Control SW

N 7 Noise Filter (Rear Window Defogger No.2)
N 8 Noise Filter (Stop Light)

P 8 Personal Light
P 9 Power Window Control SW (Front Passenger Side)
P 10 Power Window Control SW Rear LH
P 11 Power Window Control SW Rear RH
P 12 Power Window Motor Front LH
P 13 Power Window Motor Front RH
P 14 Power Window Motor Rear LH
P 15 Power Window Motor Rear RH
P 16 Pretensioner LH
P 17 Pretensioner RH

R 12 Rain Sensor
R 13 Rear Combination Light LH
R 14 Rear Combination Light RH
R 15 Rear Door Speaker LH
R 16 Rear Door Speaker RH
R 17 Rear Interior Light
R 18 Rear Window Defogger
R 19 Rear Window Defogger
R 20 Rear Wiper Motor and Relay

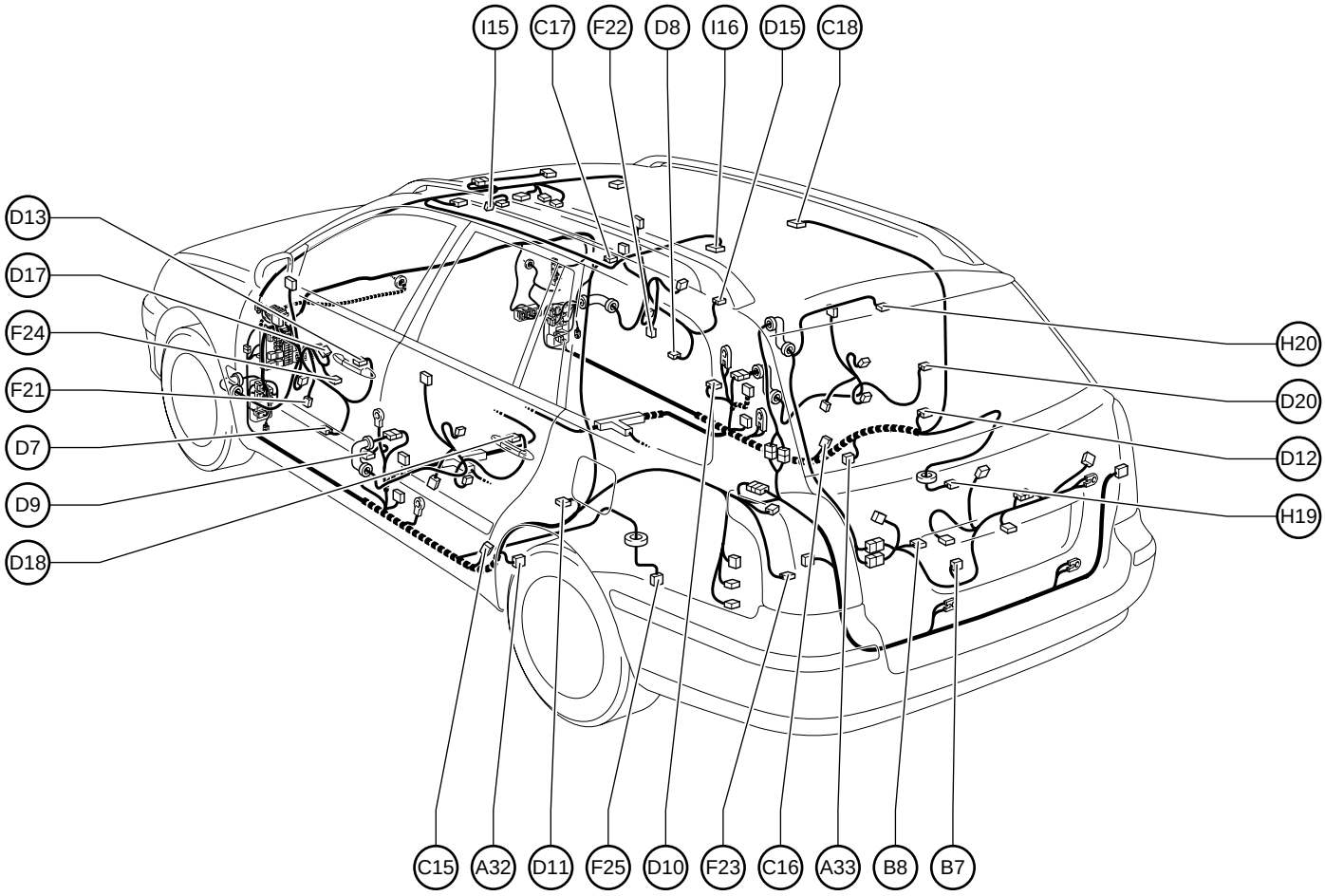
S 14 Side Airbag Sensor LH
S 15 Side Airbag Sensor RH

T 11 Telephone Microphone Amplifier
T 16 Tweeter Front LH
T 17 Tweeter Front RH
T 18 Tweeter Rear LH
T 19 Tweeter Rear RH

V 8 Vanity Light LH
V 9 Vanity Light RH

Position of Parts in Body

[LHD : W/G]



A32 ABS Speed Sensor Rear LH
A33 ABS Speed Sensor Rear RH

B 7 Back Door Courtesy SW
Back Door Lock Motor
B 8 Back Door Opener SW

C15 Curtain Shield Airbag Sensor LH
C16 Curtain Shield Airbag Sensor RH
C17 Curtain Shield Airbag Squib LH
C18 Curtain Shield Airbag Squib RH

D 7 Door Courtesy Light LH
D 8 Door Courtesy Light RH
D 9 Door Courtesy SW Front LH
D10 Door Courtesy SW Front RH
D11 Door Courtesy SW Rear LH
D12 Door Courtesy SW Rear RH
D13 Door Key Lock and Unlock SW (Driver's Side)
Door Lock Control Motor (Driver's Side)
Door Unlock Detection SW (Driver's Side)
D15 Door Lock Control Motor (Front Passenger's Side)
D17 Door Lock Control SW
Power Window Master SW
D18 Door Lock Motor Rear LH
D20 Door Lock Motor Rear RH

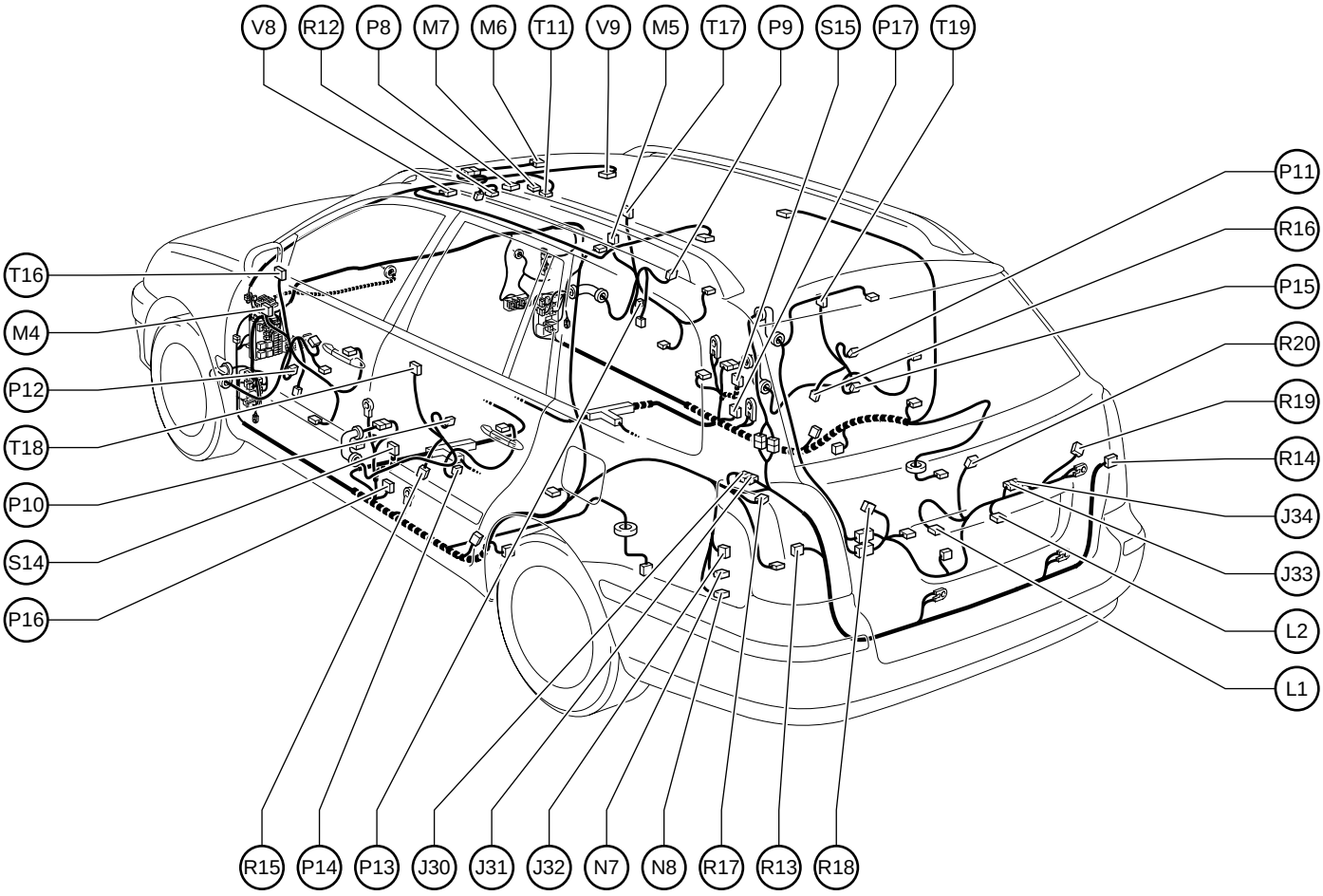
F 21 Front Door Speaker LH
F 22 Front Door Speaker RH
F 23 Fuel Lid Opener Motor
F 24 Fuel Lid Opener SW
F 25 Fuel Pump
Fuel Sender

H19 Height Control Sensor (Rear)
H20 High Mounted Stop Light

I 15 Inner Mirror
I 16 Interior Light

Position of Parts in Body

[LHD : W/G]



J 30 Junction Connector
J 31 Junction Connector
J 32 Junction Connector
J 33 Junction Connector
J 34 Junction Connector

L 1 License Plate Light LH
L 2 License Plate Light RH

M 4 Mirror Heater LH
Remote Control Mirror LH
M 5 Mirror Heater RH
Remote Control Mirror RH
M 6 Moon Roof Control Relay and Motor
M 7 Moon Roof Control SW

N 7 Noise Filter (Rear Window Defogger No.2)
N 8 Noise Filter (Stop Light)

P 8 Personal Light
P 9 Power Window Control SW (Front Passenger Side)
P 10 Power Window Control SW Rear LH
P 11 Power Window Control SW Rear RH
P 12 Power Window Motor Front LH
P 13 Power Window Motor Front RH
P 14 Power Window Motor Rear LH
P 15 Power Window Motor Rear RH
P 16 Pretensioner LH
P 17 Pretensioner RH

R 12 Rain Sensor
R 13 Rear Combination Light LH
R 14 Rear Combination Light RH
R 15 Rear Door Speaker LH
R 16 Rear Door Speaker RH
R 17 Rear Interior Light
R 18 Rear Window Defogger
R 19 Rear Window Defogger
R 20 Rear Wiper Motor and Relay

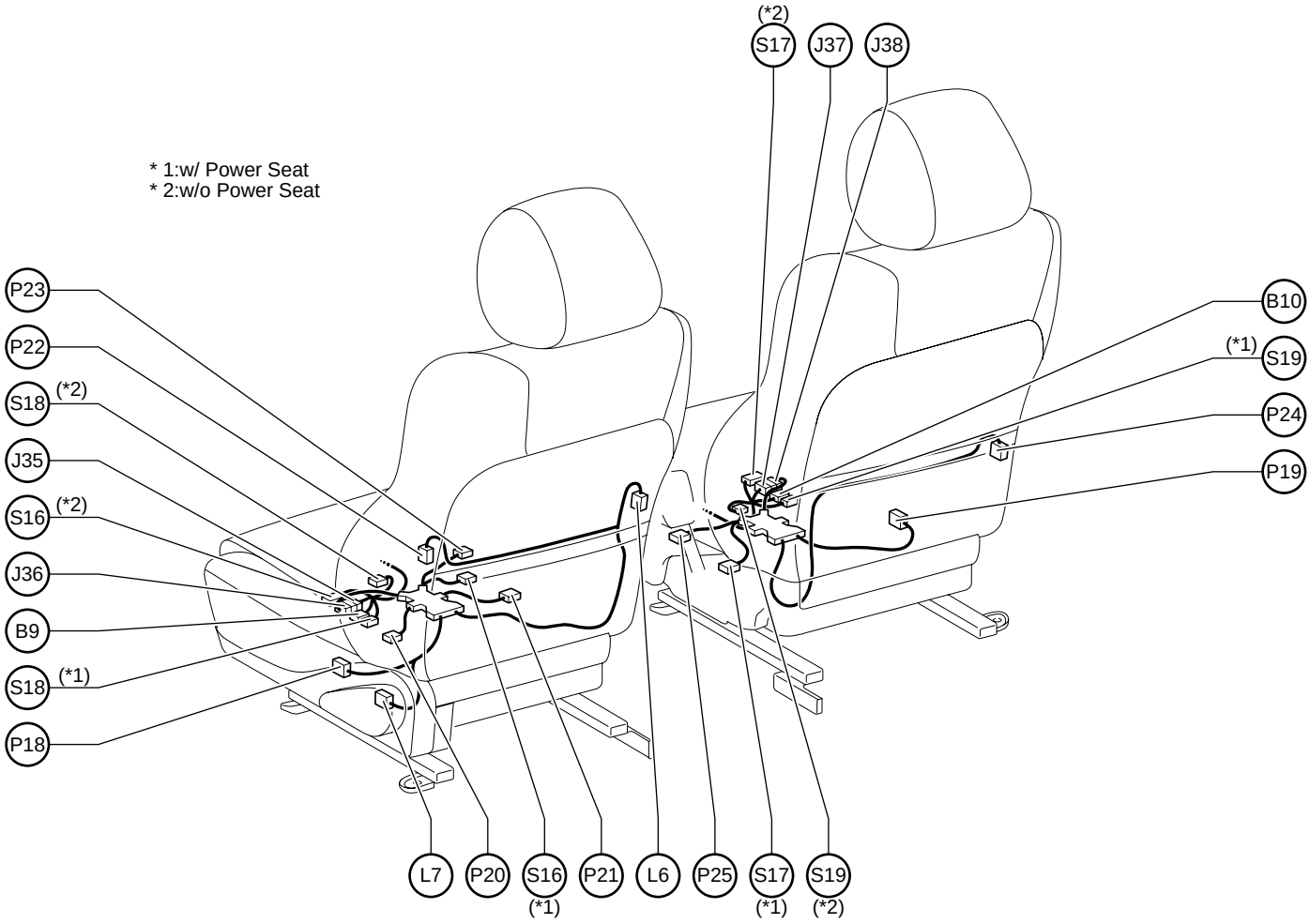
S 14 Side Airbag Sensor LH
S 15 Side Airbag Sensor RH

T 11 Telephone Microphone Amplifier
T 16 Tweeter Front LH
T 17 Tweeter Front RH
T 18 Tweeter Rear LH
T 19 Tweeter Rear RH

V 8 Vanity Light LH
V 9 Vanity Light RH

Position of Parts in Seat

[LHD]



B 9 Buckle SW (Driver's Side)
B10 Buckle SW (Front Passenger's Side) Occupant Detection Sensor

J 35 Junction Connector
J 36 Junction Connector
J 37 Junction Connector
J 38 Junction Connector

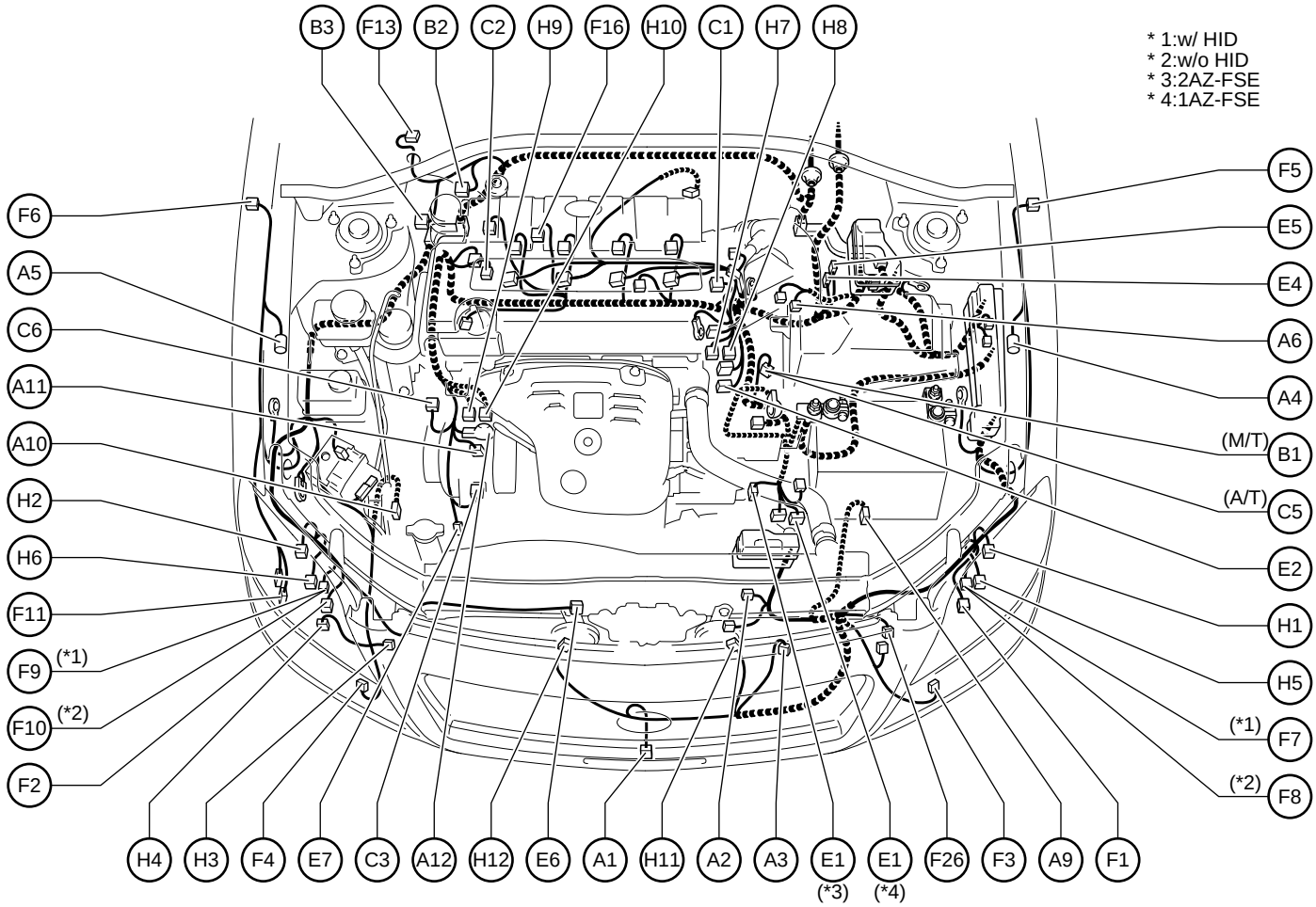
L 6 Lumbar Support Control Motor
L 7 Lumbar Support Control SW

P18 Power Seat Control SW (Driver's Seat)
P19 Power Seat Control SW (Front Passenger's Seat)
P20 Power Seat Motor (Driver's Seat Front Vertical Control)
P21 Power Seat Motor (Driver's Seat Lifter Control)
P22 Power Seat Motor (Driver's Seat Reclining Control)
P23 Power Seat Motor (Driver's Seat Slide Control)
P24 Power Seat Motor (Front Passenger's Seat Reclining Control)
P25 Power Seat Motor (Front Passenger's Seat Slide Control)

S16 Seat Heater LH
S17 Seat Heater RH
S18 Side Airbag Squib LH
S19 Side Airbag Squib RH

Position of Parts in Engine Compartment

[RHD : 2AZ–FSE, 1AZ–FSE]



A 1 A/C Ambient Temp. Sensor
A 2 A/C Condenser Fan Motor
A 3 A/C Pressure Sensor
A 4 ABS Speed Sensor Front LH
A 5 ABS Speed Sensor Front RH
A 6 Air Flow Meter
A 9 Airbag Sensor Front LH
A10 Airbag Sensor Front RH
A11 Alternator
A12 Alternator

B 1 Back–Up Light SW
B 2 Brake Booster Pressure Sensor
B 3 Brake Fluid Level Warning SW

C 1 Camshaft Position Sensor
C 2 Camshaft Timing Oil Control Valve
C 3 Compressor Assembly
C 5 Counter Gear Speed Sensor
C 6 Crankshaft Position Sensor

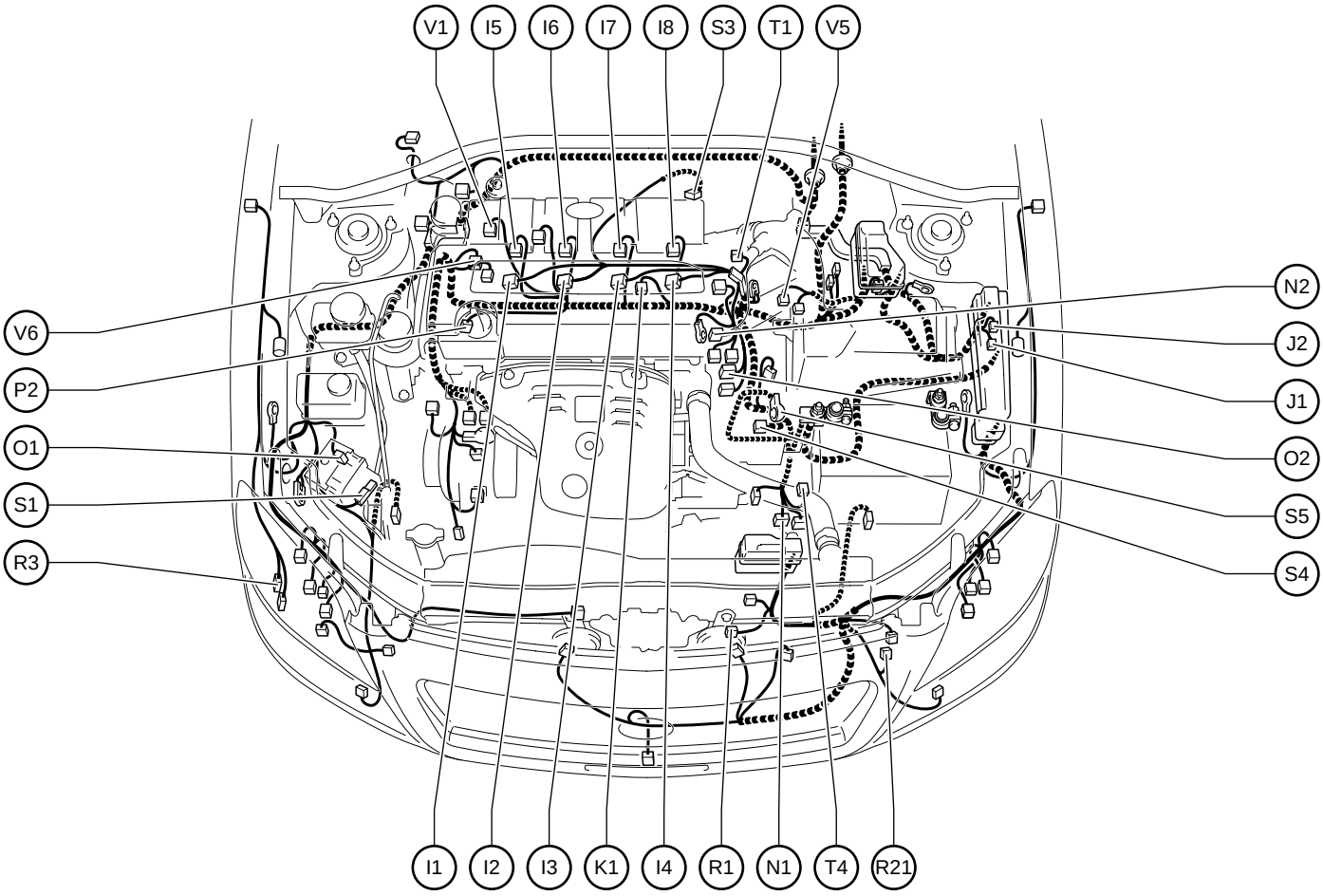
E 1 ECT Solenoid
E 2 EFI Water Temp. Sensor
E 4 Electronic Driver Unit
E 5 Electronic Driver Unit
E 6 Engine Hood Courtesy SW
E 7 Engine Oil Level Sensor

F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 3 Front Fog Light LH
F 4 Front Fog Light RH
F 5 Front Side Turn Signal Light LH
F 6 Front Side Turn Signal Light RH
F 7 Front Turn Signal Light LH
Headlight Control ECU LH
F 8 Front Turn Signal Light LH
Headlight LH (Low)
F 9 Front Turn Signal Light RH
Headlight Control ECU RH
F10 Front Turn Signal Light RH
Headlight RH (Low)
F11 Front Washer Motor
F13 Front Wiper Motor
F16 Fuel Pressure Sensor
F26 Fuel Pump Resistor

H 1 Headlight Beam Level Control Actuator LH
H 2 Headlight Beam Level Control Actuator RH
H 3 Headlight Cleaner Control Relay
H 4 Headlight Cleaner Motor
H 5 Headlight LH (High)
H 6 Headlight RH (High)
H 7 Heated Oxygen Sensor (Bank 1 Sensor 1)
H 8 Heated Oxygen Sensor (Bank 1 Sensor 2)
H 9 Heated Oxygen Sensor (Bank 2 Sensor 1)
H10 Heated Oxygen Sensor (Bank 2 Sensor 2)
H11 Horn LH
H12 Horn RH

Position of Parts in Engine Compartment

[RHD : 2AZ–FSE, 1AZ–FSE]



I 1 Ignition Coil and Igniter No.1
I 2 Ignition Coil and Igniter No.2
I 3 Ignition Coil and Igniter No.3
I 4 Ignition Coil and Igniter No.4
I 5 Injector No.1
I 6 Injector No.2
I 7 Injector No.3
I 8 Injector No.4

J 1 Junction Connector
J 2 Junction Connector

K 1 Knock Sensor

N 1 Neutral Start SW
N 2 Noise Filter (Ignition)

O 1 Oil Pressure Sensor
O 2 Oil Pressure SW

P 2 Power Steering Oil Pressure SW

R 1 Radiator Fan Motor
R 3 Rear Washer Motor
R21 Radiator Fan Relay

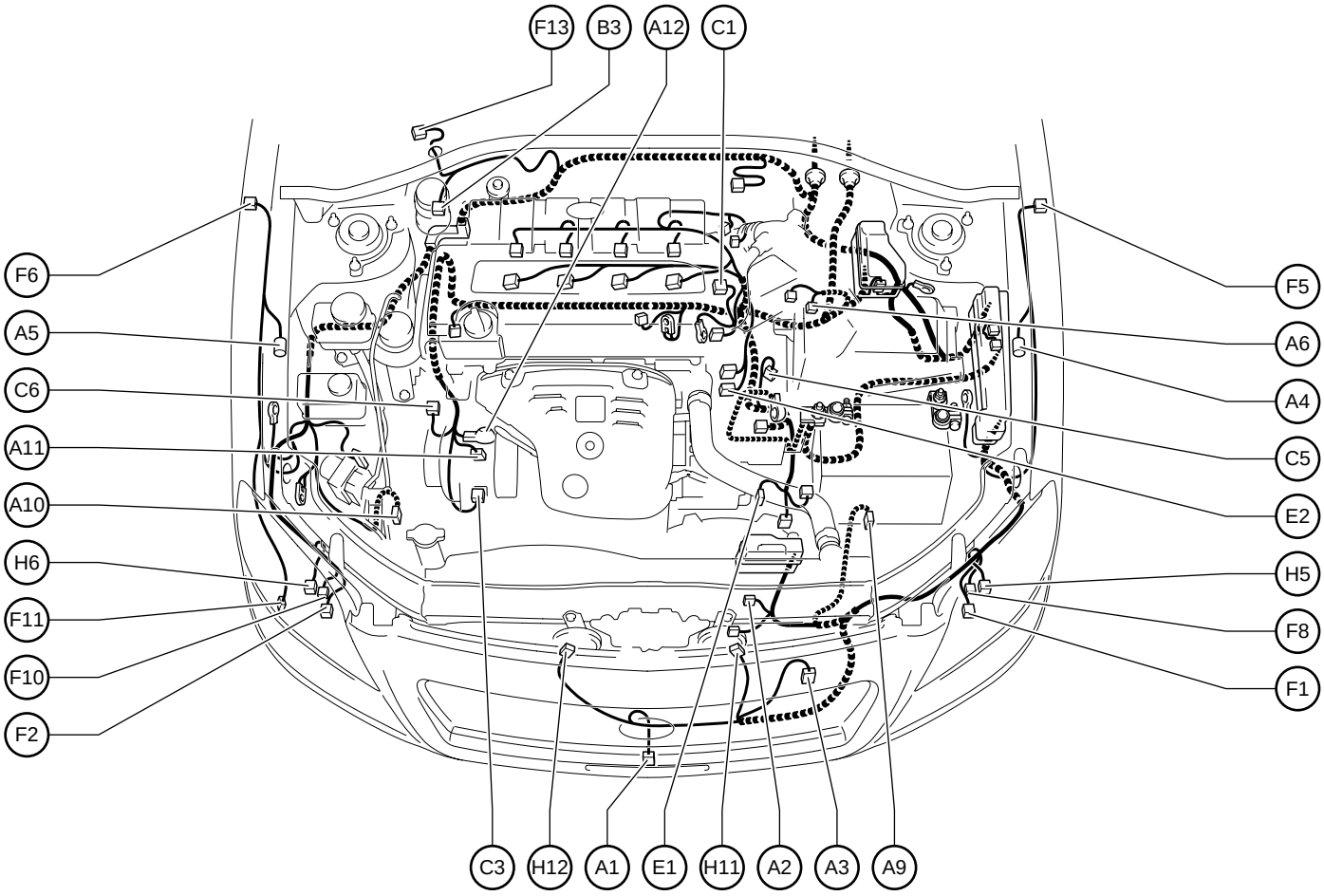
S 1 Skid Control ECU with Actuator
S 3 Spill Valve
S 4 Starter
S 5 Starter

T 1 Throttle Control Motor and Position Sensor
T 4 Turbine Speed Sensor

V 1 Vacuum Sensor
V 5 VSV (EVAP)
V 6 VSV (Intake Air Control Valve)

Position of Parts in Engine Compartment

[RHD : 1AZ–FE]



A 1 A/C Ambient Temp. Sensor
A 2 A/C Condenser Fan Motor
A 3 A/C Pressure Sensor
A 4 ABS Speed Sensor Front LH
A 5 ABS Speed Sensor Front RH
A 6 Air Flow Meter
A 9 Airbag Sensor Front LH
A 10 Airbag Sensor Front RH
A 11 Alternator
A 12 Alternator

B 3 Brake Fluid Level Warning SW

C 1 Camshaft Position Sensor
C 3 Compressor Assembly
C 5 Counter Gear Speed Sensor
C 6 Crankshaft Position Sensor

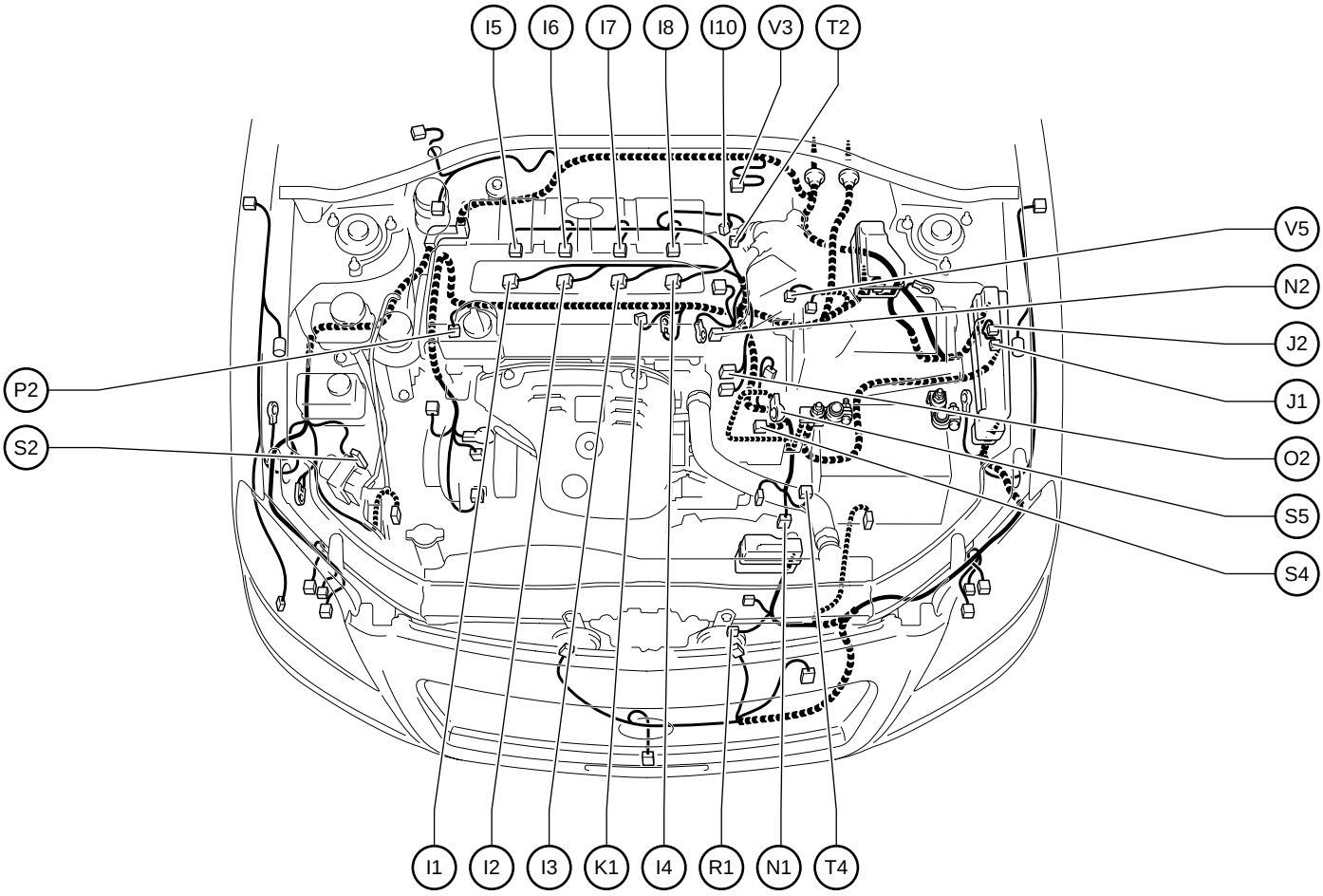
E 1 ECT Solenoid
E 2 EFI Water Temp. Sensor

F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 5 Front Side Turn Signal Light LH
F 6 Front Side Turn Signal Light RH
F 8 Front Turn Signal Light LH
Headlight LH (Low)
F 10 Front Turn Signal Light RH
Headlight RH (Low)
F 11 Front Washer Motor
F 13 Front Wiper Motor

H 5 Headlight LH (High)
H 6 Headlight RH (High)
H 11 Horn LH
H 12 Horn RH

Position of Parts in Engine Compartment

[RHD : 1AZ–FE]



I 1 Ignition Coil and Igniter No.1
I 2 Ignition Coil and Igniter No.2
I 3 Ignition Coil and Igniter No.3
I 4 Ignition Coil and Igniter No.4
I 5 Injector No.1
I 6 Injector No.2
I 7 Injector No.3
I 8 Injector No.4
I 10 ISC Valve

J 1 Junction Connector
J 2 Junction Connector

K 1 Knock Sensor

N 1 Neutral Start SW
N 2 Noise Filter (Ignition)

O 2 Oil Pressure SW

P 2 Power Steering Oil Pressure SW

R 1 Radiator Fan Motor

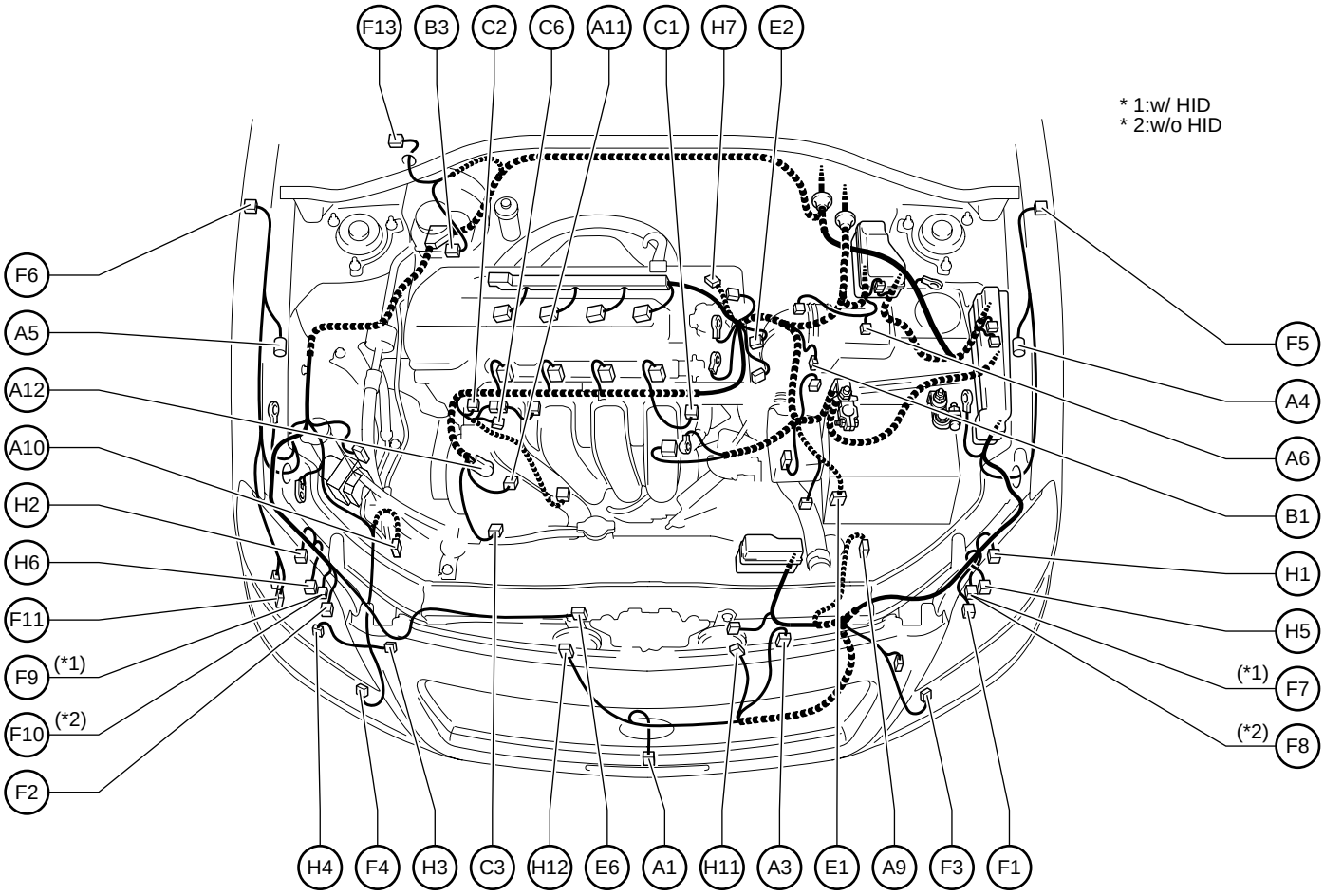
S 2 Skid Control ECU with Actuator
S 4 Starter
S 5 Starter

T 2 Throttle Position Sensor
T 4 Turbine Speed Sensor

V 3 Variable Resistor
V 5 VSV (EVAP)

Position of Parts in Engine Compartment

[RHD : 1ZZ–FE, 3ZZ–FE]



A 1 A/C Ambient Temp. Sensor
A 3 A/C Pressure Sensor
A 4 ABS Speed Sensor Front LH
A 5 ABS Speed Sensor Front RH
A 6 Air Flow Meter
A 9 Airbag Sensor Front LH
A10 Airbag Sensor Front RH
A11 Alternator
A12 Alternator

B 1 Back–Up Light SW
B 3 Brake Fluid Level Warning SW

C 1 Camshaft Position Sensor
C 2 Camshaft Timing Oil Control Valve
C 3 Compressor Assembly
C 6 Crankshaft Position Sensor

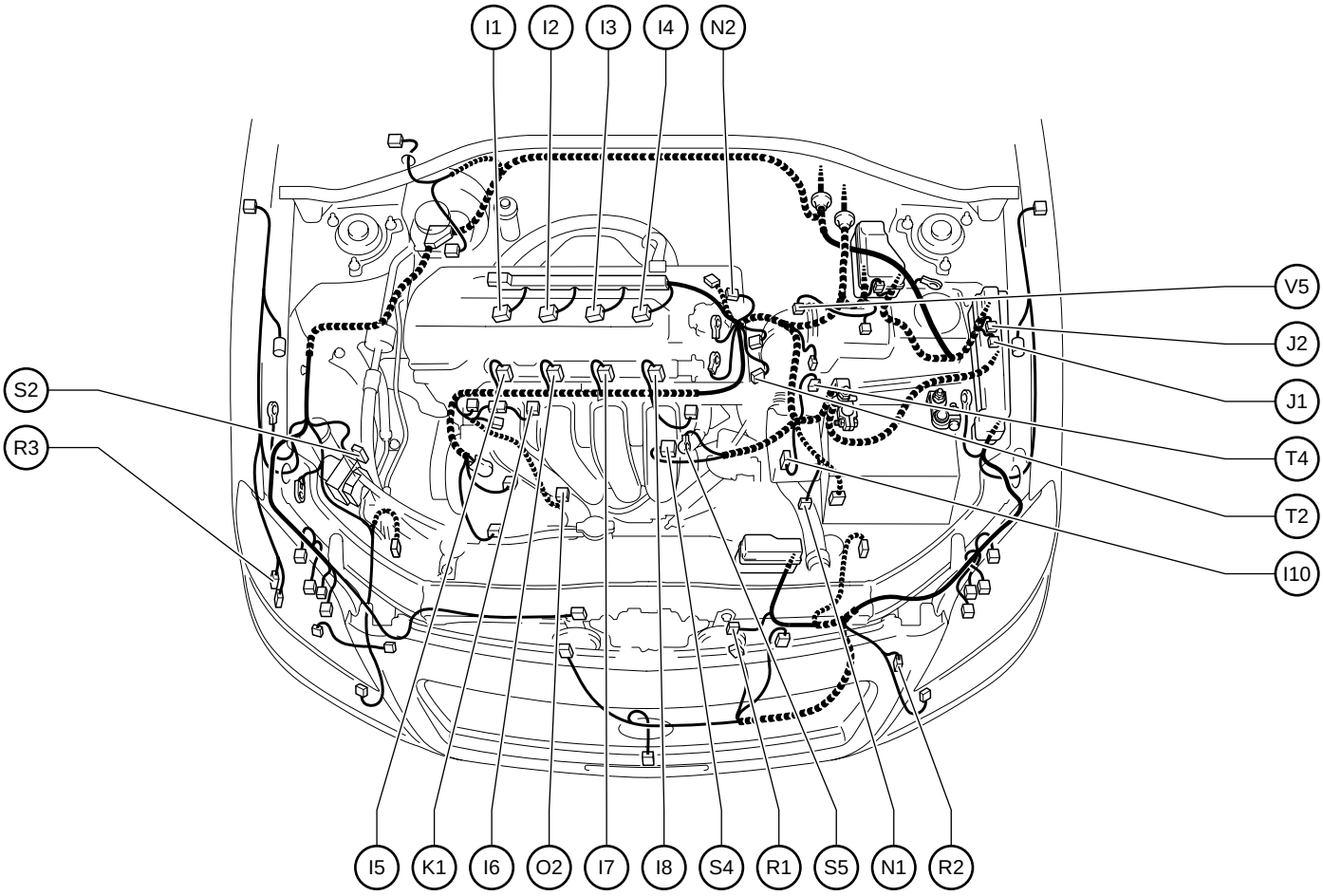
E 1 ECT Solenoid
E 2 EFI Water Temp. Sensor
E 6 Engine Hood Courtesy SW

F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 3 Front Fog Light LH
F 4 Front Fog Light RH
F 5 Front Side Turn Signal Light LH
F 6 Front Side Turn Signal Light RH
F 7 Front Turn Signal Light LH
Headlight Control ECU LH
F 8 Front Turn Signal Light LH
Headlight LH (Low)
F 9 Front Turn Signal Light RH
Headlight Control ECU RH
F10 Front Turn Signal Light RH
Headlight RH (Low)
F11 Front Washer Motor
F13 Front Wiper Motor

H 1 Headlight Beam Level Control Actuator LH
H 2 Headlight Beam Level Control Actuator RH
H 3 Headlight Cleaner Control Relay
H 4 Headlight Cleaner Motor
H 5 Headlight LH (High)
H 6 Headlight RH (High)
H 7 Heated Oxygen Sensor (Bank 1 Sensor 1)
H11 Horn LH
H12 Horn RH

Position of Parts in Engine Compartment

[RHD : 1ZZ–FE, 3ZZ–FE]



I 1 Ignition Coil and Igniter No.1
I 2 Ignition Coil and Igniter No.2
I 3 Ignition Coil and Igniter No.3
I 4 Ignition Coil and Igniter No.4
I 5 Injector No.1
I 6 Injector No.2
I 7 Injector No.3
I 8 Injector No.4
I 10 ISC Valve

J 1 Junction Connector
J 2 Junction Connector

K 1 Knock Sensor

N 1 Neutral Start SW
N 2 Noise Filter (Ignition)

O 2 Oil Pressure SW

R 1 Radiator Fan Motor
R 2 Radiator Fan Resistor
R 3 Rear Washer Motor

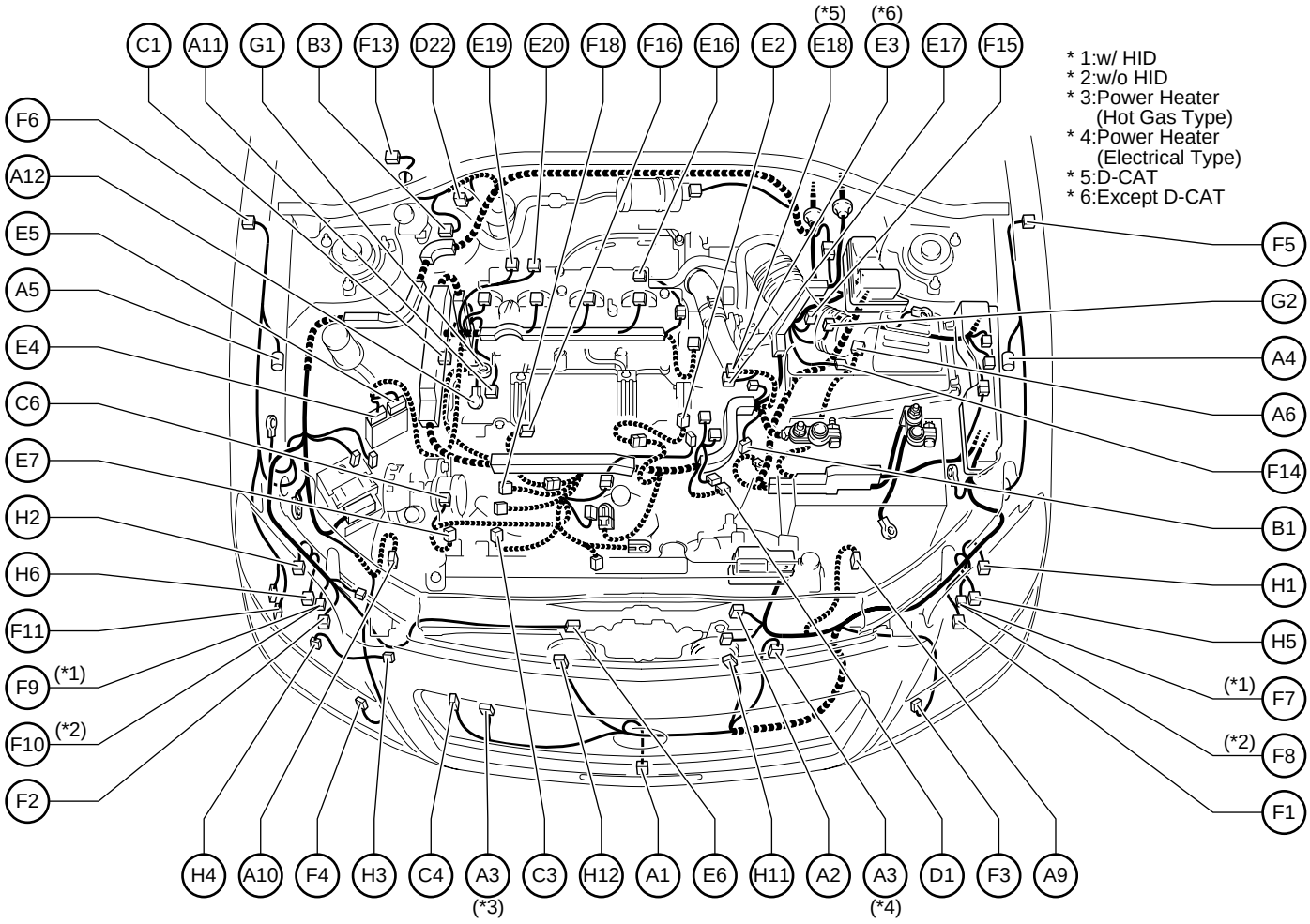
S 2 Skid Control ECU with Actuator
S 4 Starter
S 5 Starter

T 2 Throttle Position Sensor
T 4 Turbine Speed Sensor

V 5 VSV (EVAP)

Position of Parts in Engine Compartment

[RHD : 1CD–FTV]



A 1 A/C Ambient Temp. Sensor
A 2 A/C Condenser Fan Motor
A 3 A/C Pressure Sensor
A 4 ABS Speed Sensor Front LH
A 5 ABS Speed Sensor Front RH
A 6 Air Flow Meter
A 9 Airbag Sensor Front LH
A 10 Airbag Sensor Front RH
A 11 Alternator
A 12 Alternator

B 1 Back–Up Light SW
B 3 Brake Fluid Level Warning SW

C 1 Camshaft Position Sensor
C 3 Compressor Assembly
C 4 Condenser Assembly
C 6 Crankshaft Position Sensor

D 1 Diesel Throttle Control Motor
D 22 Differential Pressure Sensor

E 2 EFI Water Temp. Sensor
E 3 EGR Valve Control Motor
E 4 Electronic Driver Unit
E 5 Electronic Driver Unit
E 6 Engine Hood Courtesy SW
E 7 Engine Oil Level Sensor
E 16 Exhaust Fuel Addition Injector Assembly
E 17 EGR Valve Assembly
E 18 EGR Valve Position Sensor
E 19 Exhaust Gas Temperature Sensor (Front)
E 20 Exhaust Gas Temperature Sensor (Rear)

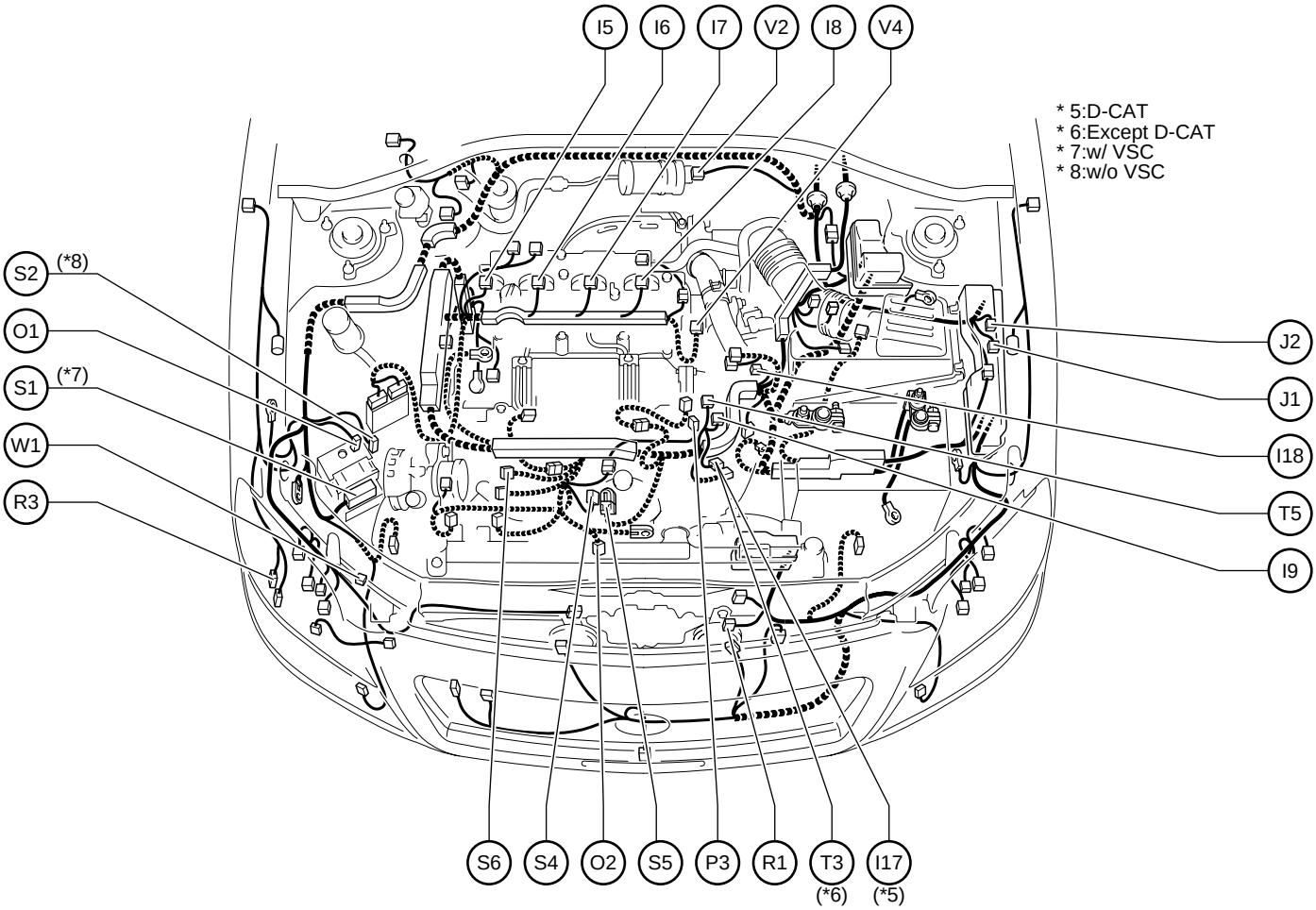
F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 3 Front Fog Light LH
F 4 Front Fog Light RH
F 5 Front Side Turn Signal Light LH
F 6 Front Side Turn Signal Light RH
F 7 Front Turn Signal Light LH
Headlight Control ECU LH
F 8 Front Turn Signal Light LH
Headlight LH (Low)
F 9 Front Turn Signal Light RH
Headlight Control ECU RH
F 10 Front Turn Signal Light RH
Headlight RH (Low)
F 11 Front Washer Motor
F 13 Front Wiper Motor
F 14 Fuel Filter Warning SW
F 15 Fuel Heater
F 16 Fuel Pressure Sensor
F 18 Fuel Temp. Sensor

G 1 Glow Plug
G 2 Glow Plug Relay

H 1 Headlight Beam Level Control Actuator LH
H 2 Headlight Beam Level Control Actuator RH
H 3 Headlight Cleaner Control Relay
H 4 Headlight Cleaner Motor
H 5 Headlight LH (High)
H 6 Headlight RH (High)
H 11 Horn LH
H 12 Horn RH

Position of Parts in Engine Compartment

[RHD : 1CD–FTV]



I 5 Injector No.1
I 6 Injector No.2
I 7 Injector No.3
I 8 Injector No.4
I 9 Intake Air Temp. Sensor
I 17 Intake Shutter Assembly
I 18 Intake Shutter Assembly

J 1 Junction Connector
J 2 Junction Connector

O 1 Oil Pressure Sensor
O 2 Oil Pressure SW

P 3 Pressure Discharge Valve

R 1 Radiator Fan Motor
R 3 Rear Washer Motor

S 1 Skid Control ECU with Actuator
S 2 Skid Control ECU with Actuator
S 4 Starter
S 5 Starter
S 6 Suction Control Valve

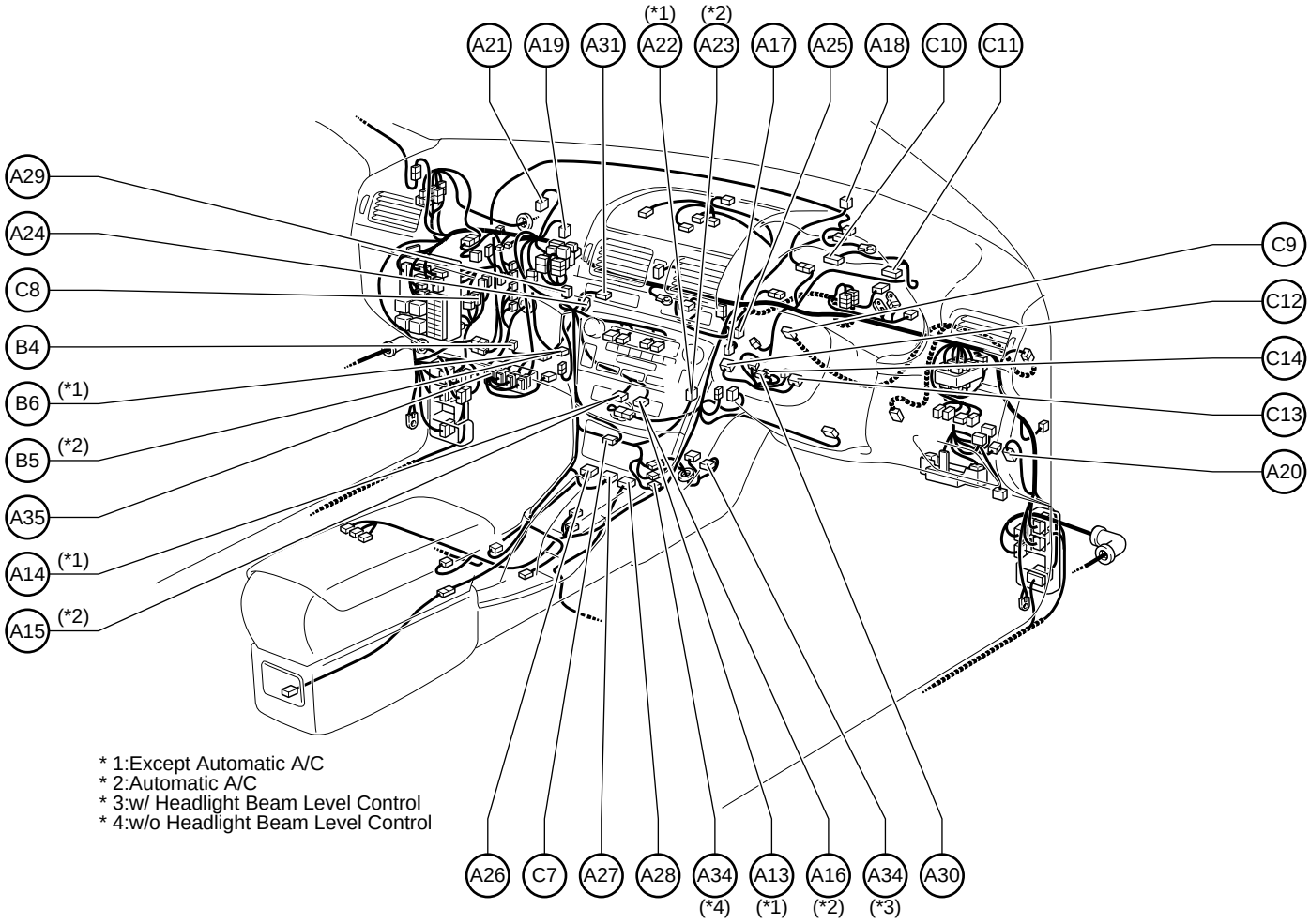
T 3 Throttle Position SW
T 5 Turbo Pressure Sensor

V 2 Vacuum SW
V 4 VRV (EGR)

W 1 Water Temp. SW (Radiator Fan)

Position of Parts in Instrument Panel

[RHD]



* 1:Except Automatic A/C
* 2:Automatic A/C
* 3:w/ Headlight Beam Level Control
* 4:w/o Headlight Beam Level Control

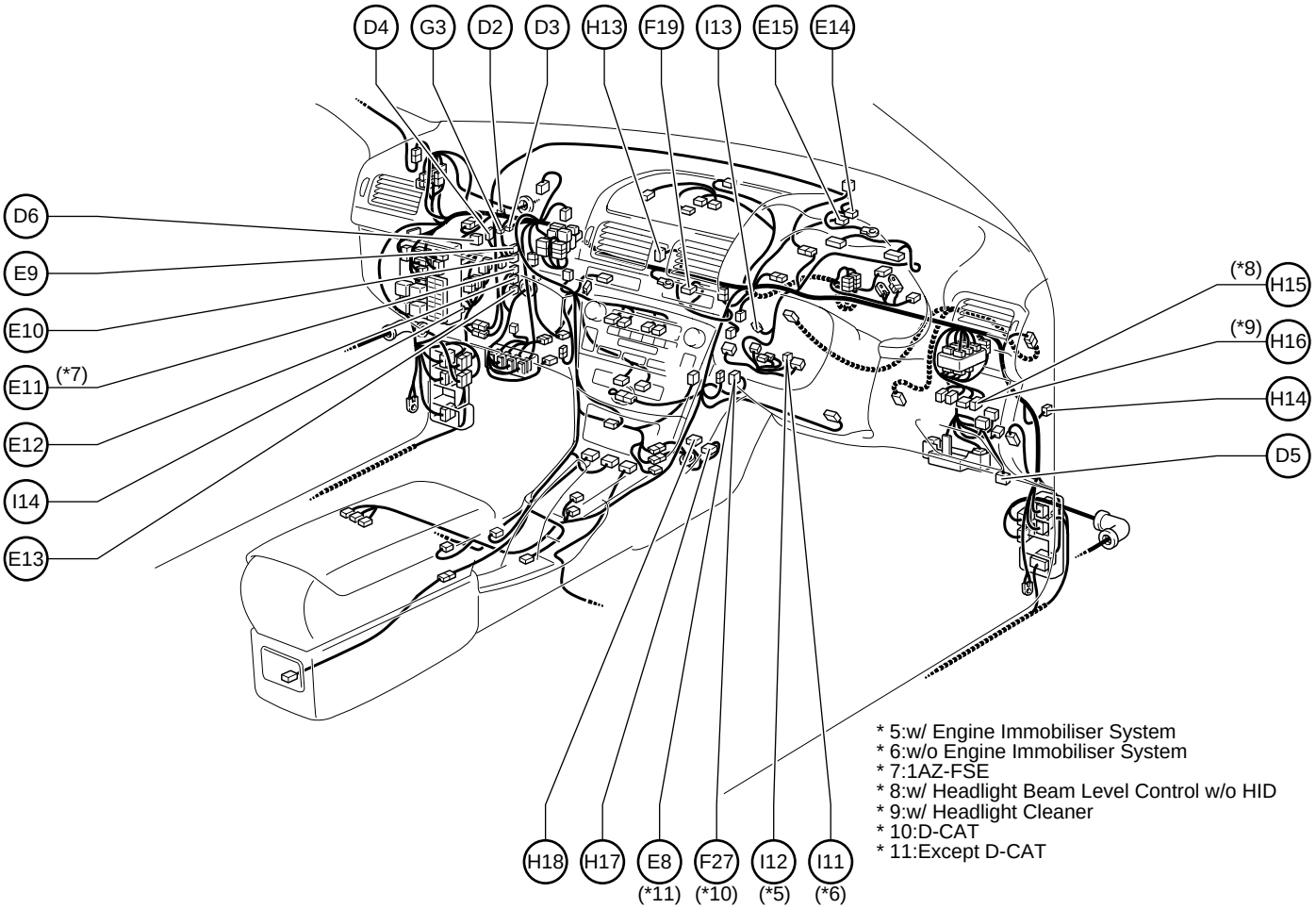
A13 A/C Control Assembly
A14 A/C Control Assembly
A15 A/C Control Assembly
A16 A/C Control Assembly
A17 A/C Room Temp. Sensor
A18 A/C Solar Sensor
A19 A/C Thermistor
A20 Accel Position Sensor
A21 Air Inlet Control Servo Motor
A22 Air Mix Control Servo Motor
A23 Air Mix Control Servo Motor (Driver Side)
A24 Air Mix Control Servo Motor (Front Passenger Side)
A25 Air Vent Mode Control Servo Motor
A26 Airbag Sensor Assembly
A27 Airbag Sensor Assembly
A28 Airbag Sensor Assembly
A29 Airbag Squib (Front Passenger Airbag Assembly)
A30 Airbag Squib (Steering Wheel Pad)
A31 Antenna Amplifier
A34 Air Fuel Ratio Sensor
A35 Air Fuel Ratio Sensor Relay

B 4 Blower Motor
B 5 Blower Motor Controller
B 6 Blower Resistor

C 7 Cigarette Lighter
Cigarette Lighter Illumination
C 8 Circuit Opening Relay
C 9 Clutch Start SW
C10 Combination Meter
C11 Combination Meter
C12 Combination SW
C13 Combination SW
C14 Combination SW

Position of Parts in Instrument Panel

[RHD]



D 2 Diode
D 3 Diode
D 4 Diode (Fan)
D 5 DLC3
D 6 Door Control Receiver

E 8 ECT Pattern Select SW
E 9 Engine and ECT ECU (A/T)
Engine ECU (M/T)
E 10 Engine and ECT ECU (A/T)
Engine ECU (M/T)
E 11 Engine and ECT ECU (A/T)
Engine ECU (M/T)
E 12 Engine and ECT ECU (A/T)
Engine ECU (M/T)
E 13 Engine and ECT ECU (A/T)
Engine ECU (M/T)
E 14 EPS ECU
E 15 EPS ECU

F 19 Front Passenger's Seat Belt Warning Light
Rear Window Defogger SW
Security Indicator Light
F 27 Fuel Control SW

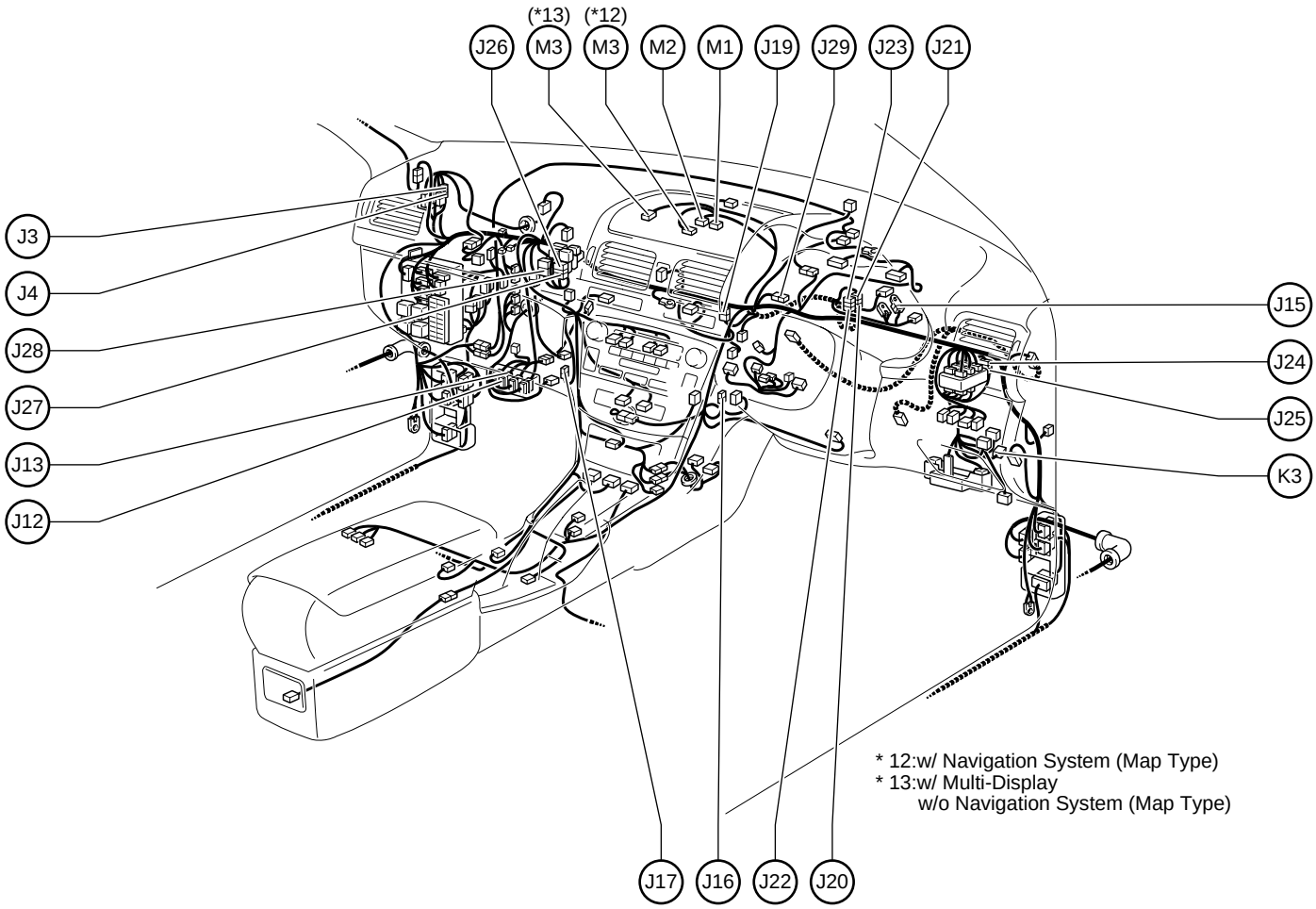
G 3 Glove Box Light

H13 Hazard SW
H14 Headlight Beam Level Control ECU
H15 Headlight Beam Level Control SW
H16 Headlight Cleaner SW
H17 Heated Oxygen Sensor (Bank 1 Sensor 2)
H18 Height Control Sensor (Front)

I 11 Ignition Key Cylinder Light
I 12 Ignition Key Cylinder Light
Transponder Key Amplifier
I 13 Ignition SW
I 14 Integration Relay

Position of Parts in Instrument Panel

[RHD]



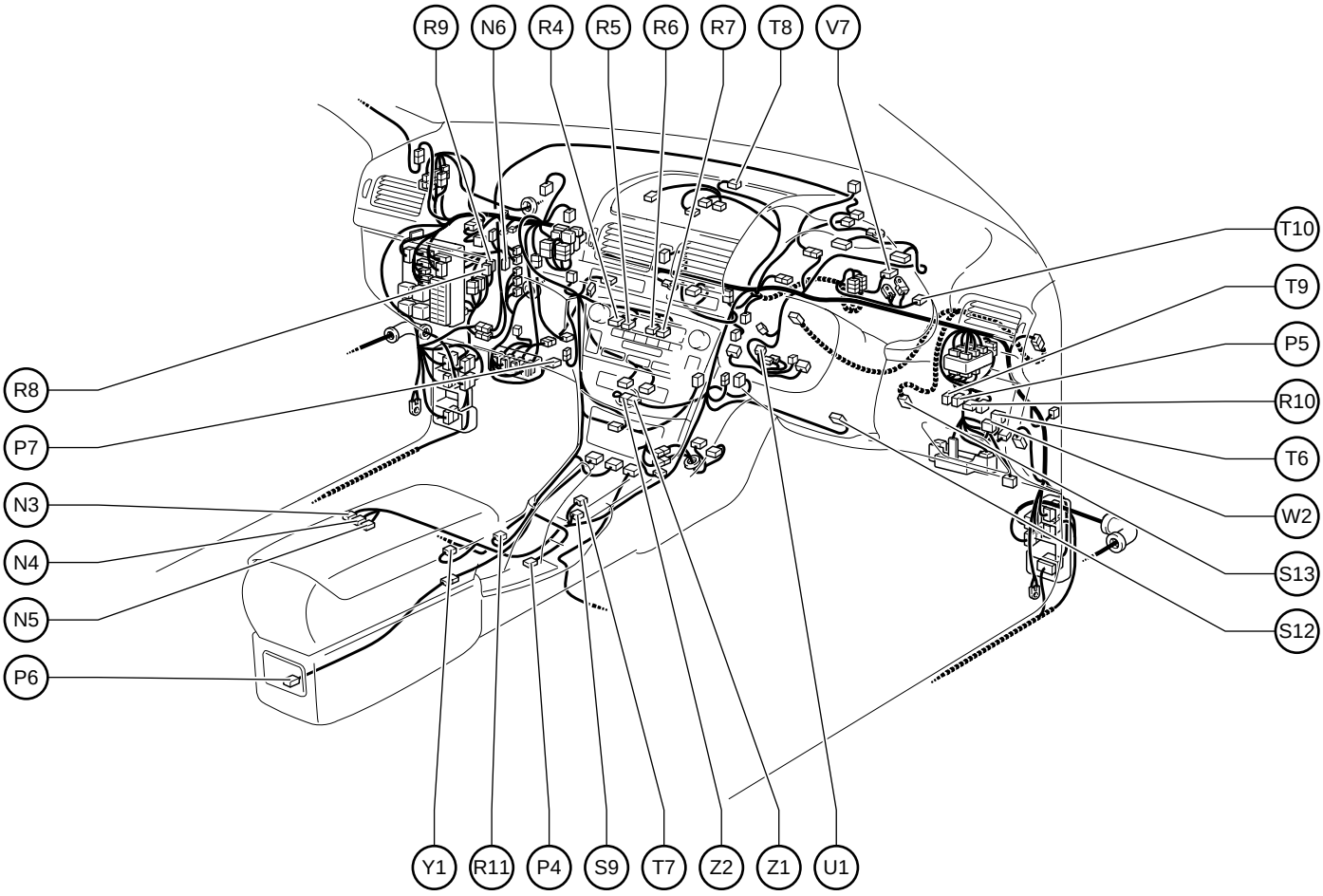
J 3 Junction Connector
J 4 Junction Connector
J 12 Junction Connector
J 13 Junction Connector
J 15 Junction Connector
J 16 Junction Connector
J 17 Junction Connector
J 19 Junction Connector
J 20 Junction Connector
J 21 Junction Connector
J 22 Junction Connector
J 23 Junction Connector
J 24 Junction Connector
J 25 Junction Connector
J 26 Junction Connector
J 27 Junction Connector
J 28 Junction Connector
J 29 Junction Connector

K 3 Knee Airbag Squib

M 1 Multi–Display
M 2 Multi–Display
M 3 Multi–Display

Position of Parts in Instrument Panel

[RHD]



N 3 Navigation ECU
N 4 Navigation ECU
N 5 Navigation ECU
N 6 Noise Filter (Rear Window Defogger No.1)

P 4 Parking Brake SW
P 5 Power Heater SW
P 6 Power Outlet
P 7 PTC Heater

R 4 Radio and Player
R 5 Radio and Player
R 6 Radio and Player
R 7 Radio and Player
R 8 Rear Fog Light Relay
R 9 Rear Window Defogger Relay
R10 Remote Control Mirror SW
R11 Remote Controller (Navigation)

S 9 Shift Lock Control ECU
S12 Steering Sensor
S13 Stop Light SW

T 6 Theft Deterrent ECU
T 7 Transmission Control SW
T 8 Transponder Key Computer
T 9 TRC Off SW
T10 Turn Signal Flasher Relay

U 1 Unlock Warning SW

V 7 VSC Warning Buzzer

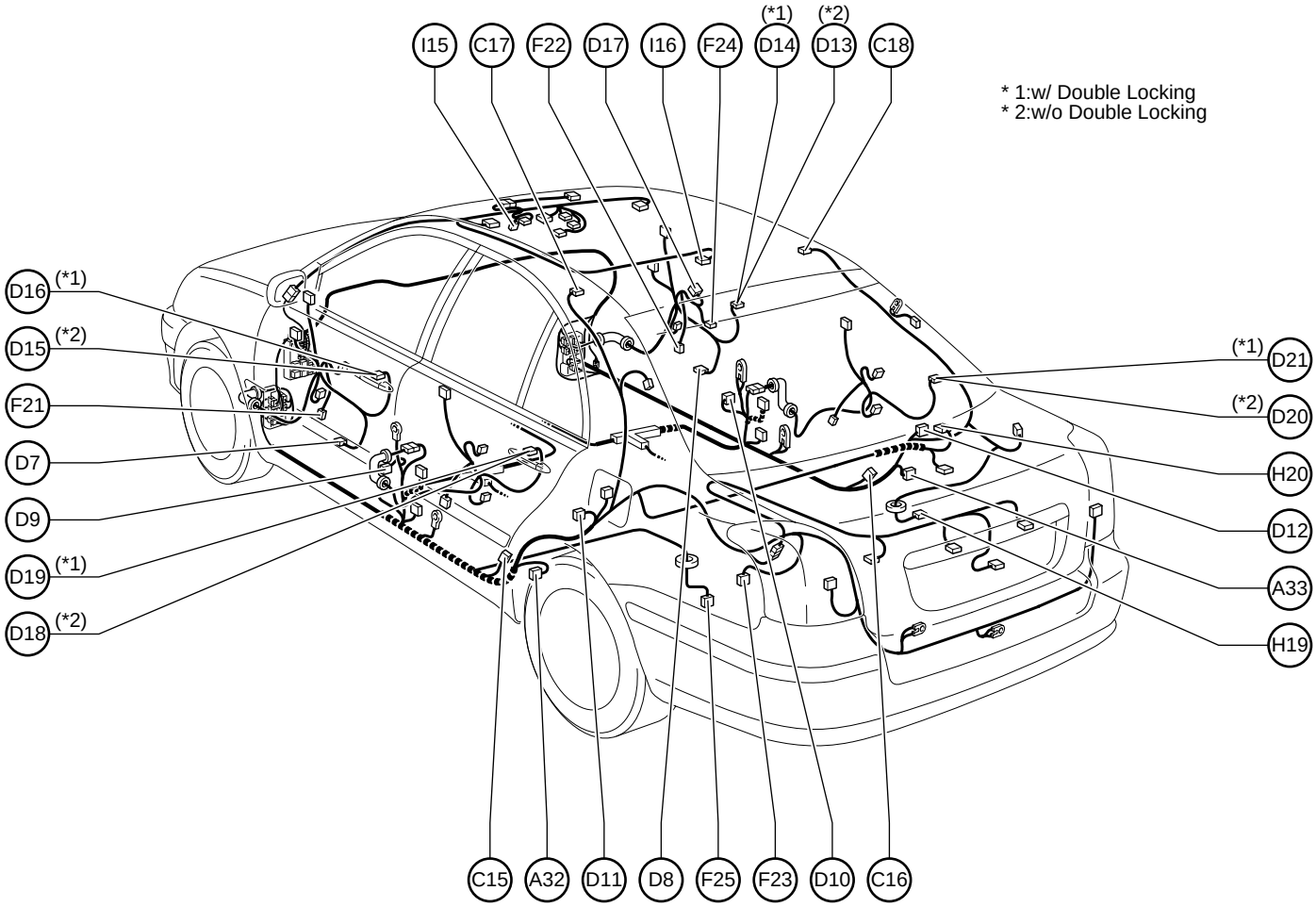
W 2 Wiper Relay

Y 1 Yaw Rate Sensor

Z 1 Option Connector (Navigation ECU)
Z 2 Option Connector (Navigation ECU)

Position of Parts in Body

[RHD : S/D]



A32 ABS Speed Sensor Rear LH
A33 ABS Speed Sensor Rear RH

C15 Curtain Shield Airbag Sensor LH
C16 Curtain Shield Airbag Sensor RH
C17 Curtain Shield Airbag Squib LH
C18 Curtain Shield Airbag Squib RH

D 7 Door Courtesy Light LH
D 8 Door Courtesy Light RH
D 9 Door Courtesy SW Front LH
D10 Door Courtesy SW Front RH
D11 Door Courtesy SW Rear LH
D12 Door Courtesy SW Rear RH
D13 Door Key Lock and Unlock SW (Driver's Side)
Door Lock Control Motor (Driver's Side)
Door Unlock Detection SW (Driver's Side)
D14 Door Key Lock and Unlock SW (Driver's Side)
Door Lock Control Motor (Driver's Side)
Door Unlock Detection SW (Driver's Side)
Double Lock Motor (Driver's Side)
Double Lock Position SW (Driver's Side)
D15 Door Lock Control Motor (Front Passenger's Side)
D16 Door Lock Control Motor (Front Passenger's Side)
Door Unlock Detection SW (Front Passenger's Side)
Double Lock Motor (Front Passenger's Side)
Double Lock Position SW (Front Passenger's Side)
D17 Door Lock Control SW
Power Window Master SW
D18 Door Lock Motor Rear LH
D19 Door Lock Motor Rear LH
Door Unlock Detection SW Rear LH
Double Lock Motor Rear LH
Double Lock Position SW Rear LH
D20 Door Lock Motor Rear RH
D21 Door Lock Motor Rear RH
Door Unlock Detection SW Rear RH
Double Lock Motor Rear RH
Double Lock Position SW Rear RH

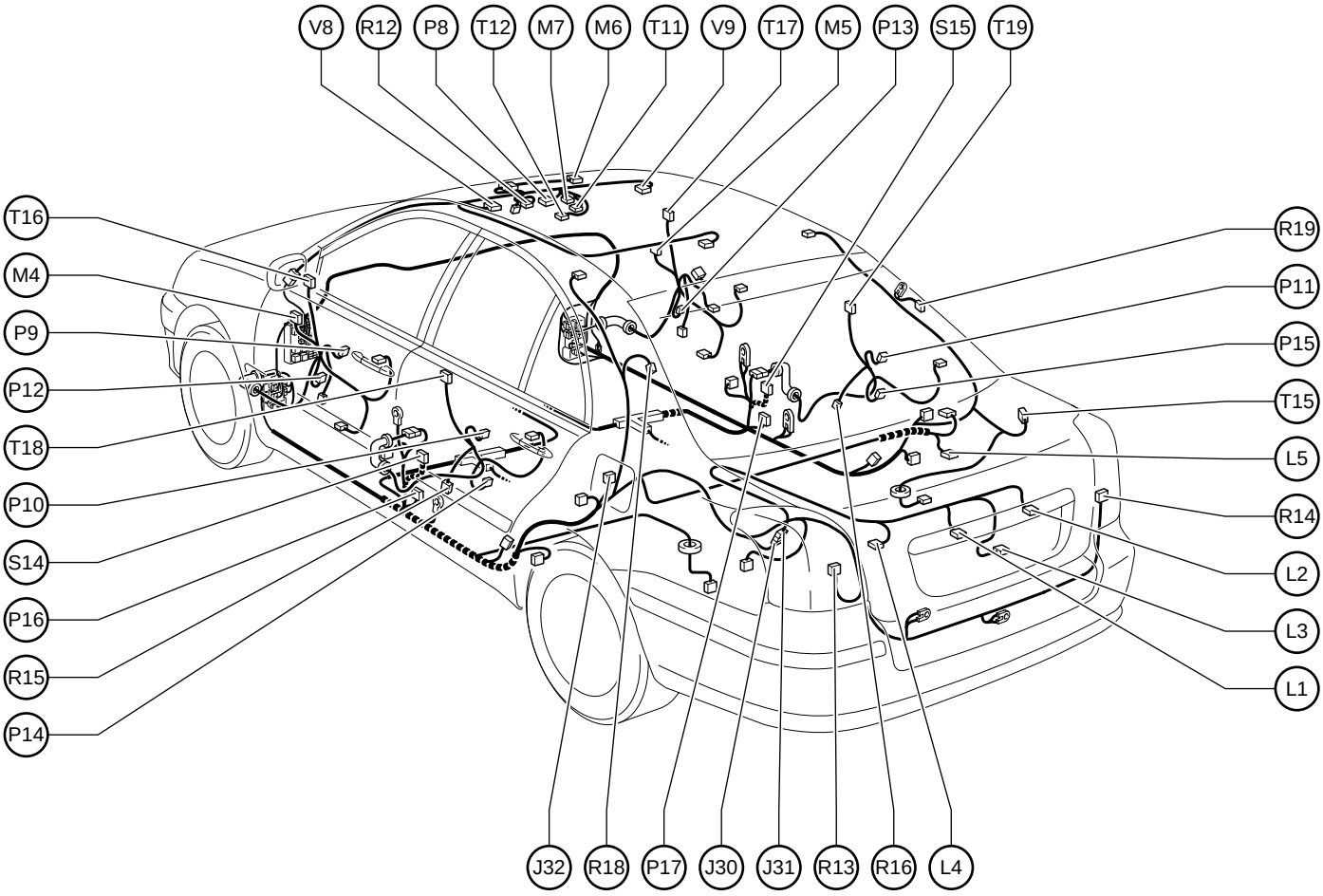
F 21 Front Door Speaker LH
F 22 Front Door Speaker RH
F 23 Fuel Lid Opener Motor
F 24 Fuel Lid Opener SW
F 25 Fuel Pump
Fuel Sender

H19 Height Control Sensor (Rear)
H20 High Mounted Stop Light

I 15 Inner Mirror
I 16 Interior Light

Position of Parts in Body

[RHD : S/D]



J 30 Junction Connector
J 31 Junction Connector
J 32 Junction Connector

L 1 License Plate Light LH
L 2 License Plate Light RH
L 3 Luggage Compartment Door Lock Motor
Luggage Compartment Light SW
L 4 Luggage Compartment Door Opener SW
L 5 Luggage Compartment Light

M 4 Mirror Heater LH
Remote Control Mirror LH
M 5 Mirror Heater RH
Remote Control Mirror RH
M 6 Moon Roof Control Relay and Motor
M 7 Moon Roof Control SW

P 8 Personal Light
P 9 Power Window Control SW (Front Passenger Side)
P 10 Power Window Control SW Rear LH
P 11 Power Window Control SW Rear RH
P 12 Power Window Motor Front LH
P 13 Power Window Motor Front RH
P 14 Power Window Motor Rear LH
P 15 Power Window Motor Rear RH
P 16 Pretensioner LH
P 17 Pretensioner RH

R 12 Rain Sensor
R 13 Rear Combination Light LH
R 14 Rear Combination Light RH
R 15 Rear Door Speaker LH
R 16 Rear Door Speaker RH
R 18 Rear Window Defogger
R 19 Rear Window Defogger

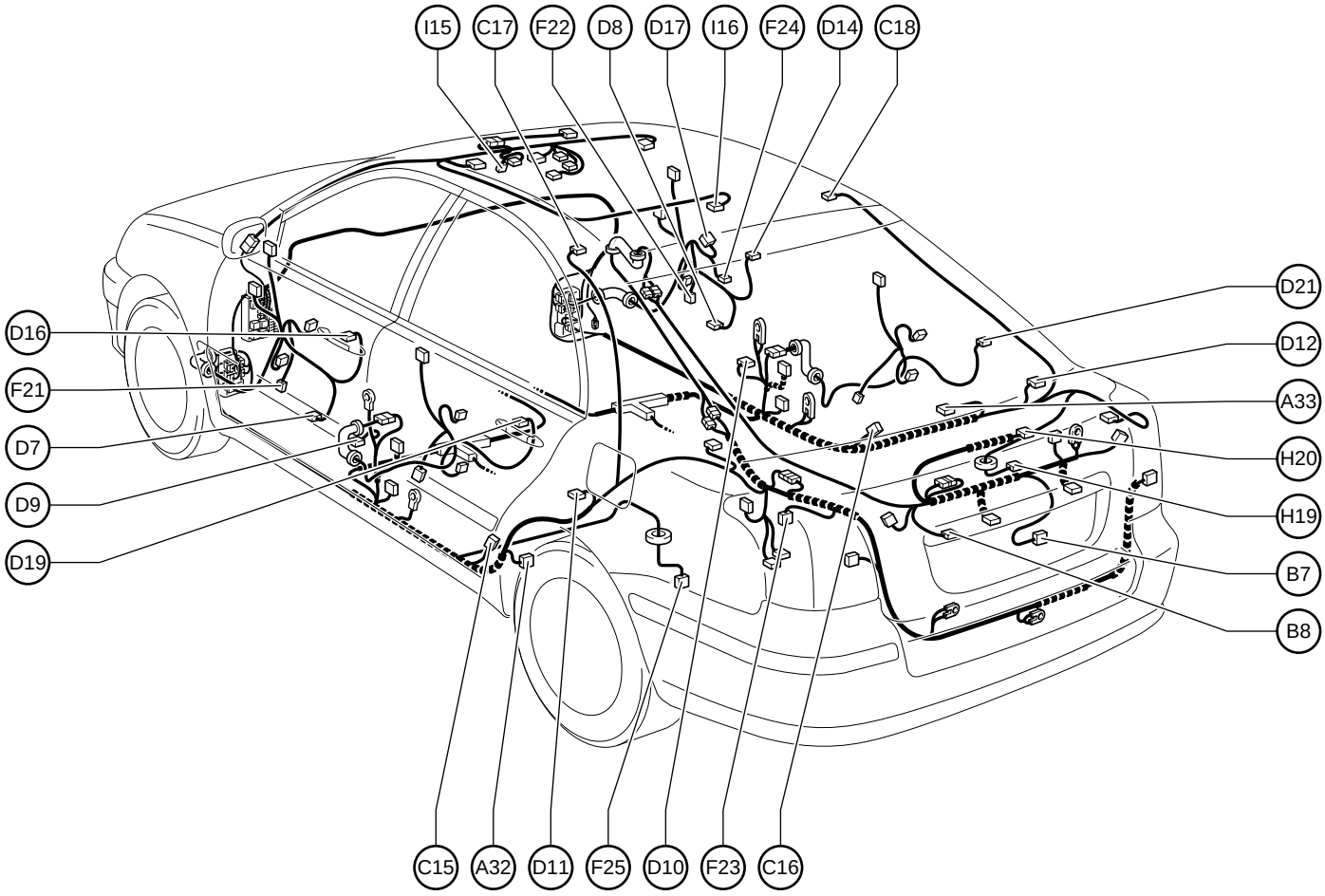
S 14 Side Airbag Sensor LH
S 15 Side Airbag Sensor RH

T 11 Telephone Microphone Amplifier
T 12 Theft Warning Ultrasonic Sensor
T 15 Theft Warning Siren
T 16 Tweeter Front LH
T 17 Tweeter Front RH
T 18 Tweeter Rear LH
T 19 Tweeter Rear RH

V 8 Vanity Light LH
V 9 Vanity Light RH

Position of Parts in Body

[RHD : L/B]



A32 ABS Speed Sensor Rear LH
A33 ABS Speed Sensor Rear RH

B 7 Back Door Courtesy SW
Back Door Lock Motor
B 8 Back Door Opener SW

C15 Curtain Shield Airbag Sensor LH
C16 Curtain Shield Airbag Sensor RH
C17 Curtain Shield Airbag Squib LH
C18 Curtain Shield Airbag Squib RH

D 7 Door Courtesy Light LH
D 8 Door Courtesy Light RH
D 9 Door Courtesy SW Front LH
D10 Door Courtesy SW Front RH
D11 Door Courtesy SW Rear LH
D12 Door Courtesy SW Rear RH
D14 Door Key Lock and Unlock SW (Driver's Side)
Door Lock Control Motor (Driver's Side)
Door Unlock Detection SW (Driver's Side)
Double Lock Motor (Driver's Side)
Double Lock Position SW (Driver's Side)
D16 Door Lock Control Motor (Front Passenger's Side)
Door Unlock Detection SW (Front Passenger's Side)
Double Lock Motor (Front Passenger's Side)
Double Lock Position SW (Front Passenger's Side)
D17 Door Lock Control SW
Power Window Master SW
D19 Door Lock Motor Rear LH
Door Unlock Detection SW Rear LH
Double Lock Motor Rear LH
Double Lock Position SW Rear LH
D21 Door Lock Motor Rear RH
Door Unlock Detection SW Rear RH
Double Lock Motor Rear RH
Double Lock Position SW Rear RH

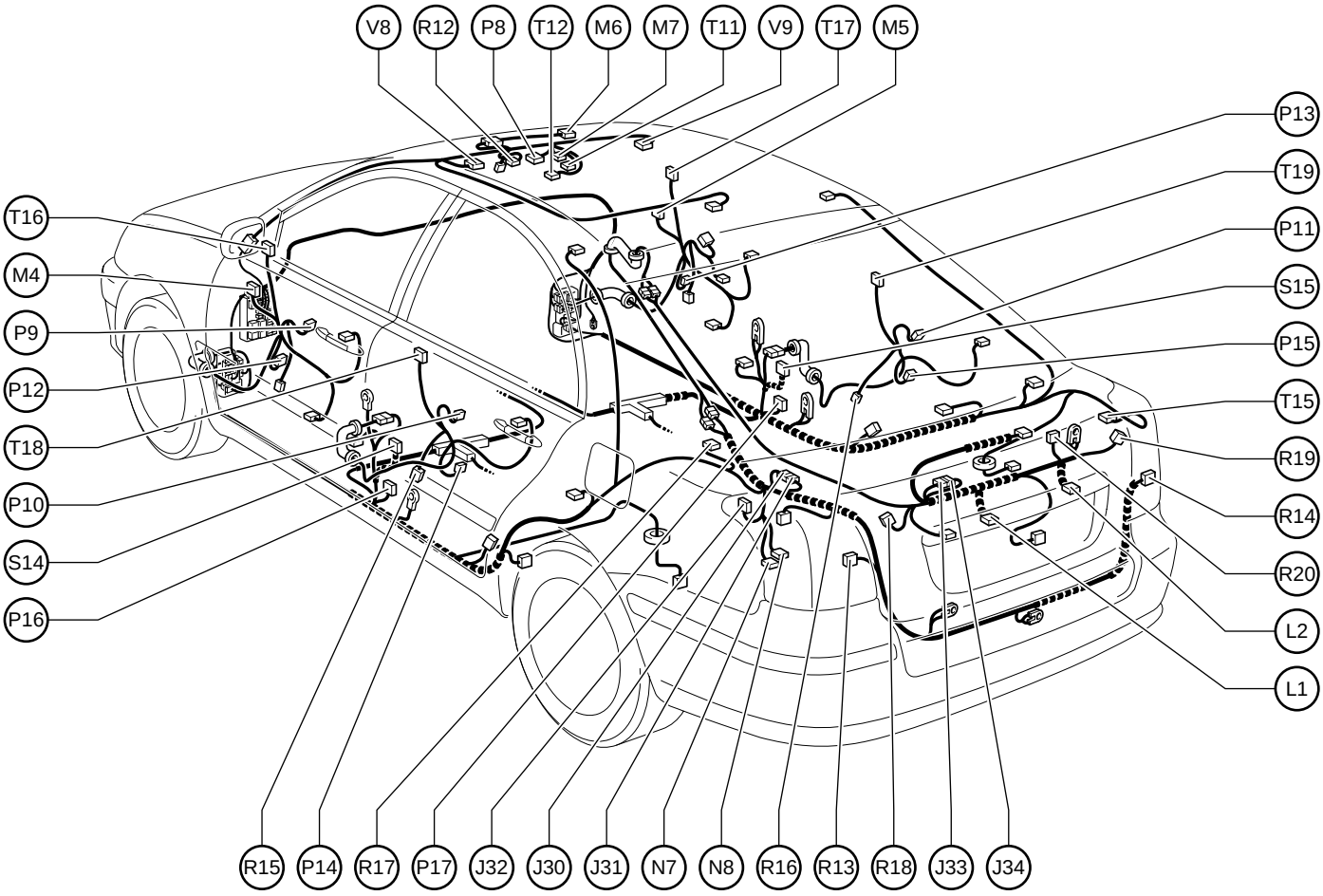
F 21 Front Door Speaker LH
F 22 Front Door Speaker RH
F 23 Fuel Lid Opener Motor
F 24 Fuel Lid Opener SW
F 25 Fuel Pump
Fuel Sender

H19 Height Control Sensor (Rear)
H20 High Mounted Stop Light

I 15 Inner Mirror
I 16 Interior Light

Position of Parts in Body

[RHD : L/B]



J 30 Junction Connector
J 31 Junction Connector
J 32 Junction Connector
J 33 Junction Connector
J 34 Junction Connector

L 1 License Plate Light LH
L 2 License Plate Light RH

M 4 Mirror Heater LH
Remote Control Mirror LH
M 5 Mirror Heater RH
Remote Control Mirror RH
M 6 Moon Roof Control Relay and Motor
M 7 Moon Roof Control SW

N 7 Noise Filter (Rear Window Defogger No.2)
N 8 Noise Filter (Stop Light)

P 8 Personal Light
P 9 Power Window Control SW (Front Passenger Side)
P 10 Power Window Control SW Rear LH
P 11 Power Window Control SW Rear RH
P 12 Power Window Motor Front LH
P 13 Power Window Motor Front RH
P 14 Power Window Motor Rear LH
P 15 Power Window Motor Rear RH
P 16 Pretensioner LH
P 17 Pretensioner RH

R 12 Rain Sensor
R 13 Rear Combination Light LH
R 14 Rear Combination Light RH
R 15 Rear Door Speaker LH
R 16 Rear Door Speaker RH
R 17 Rear Interior Light
R 18 Rear Window Defogger
R 19 Rear Window Defogger
R 20 Rear Wiper Motor and Relay

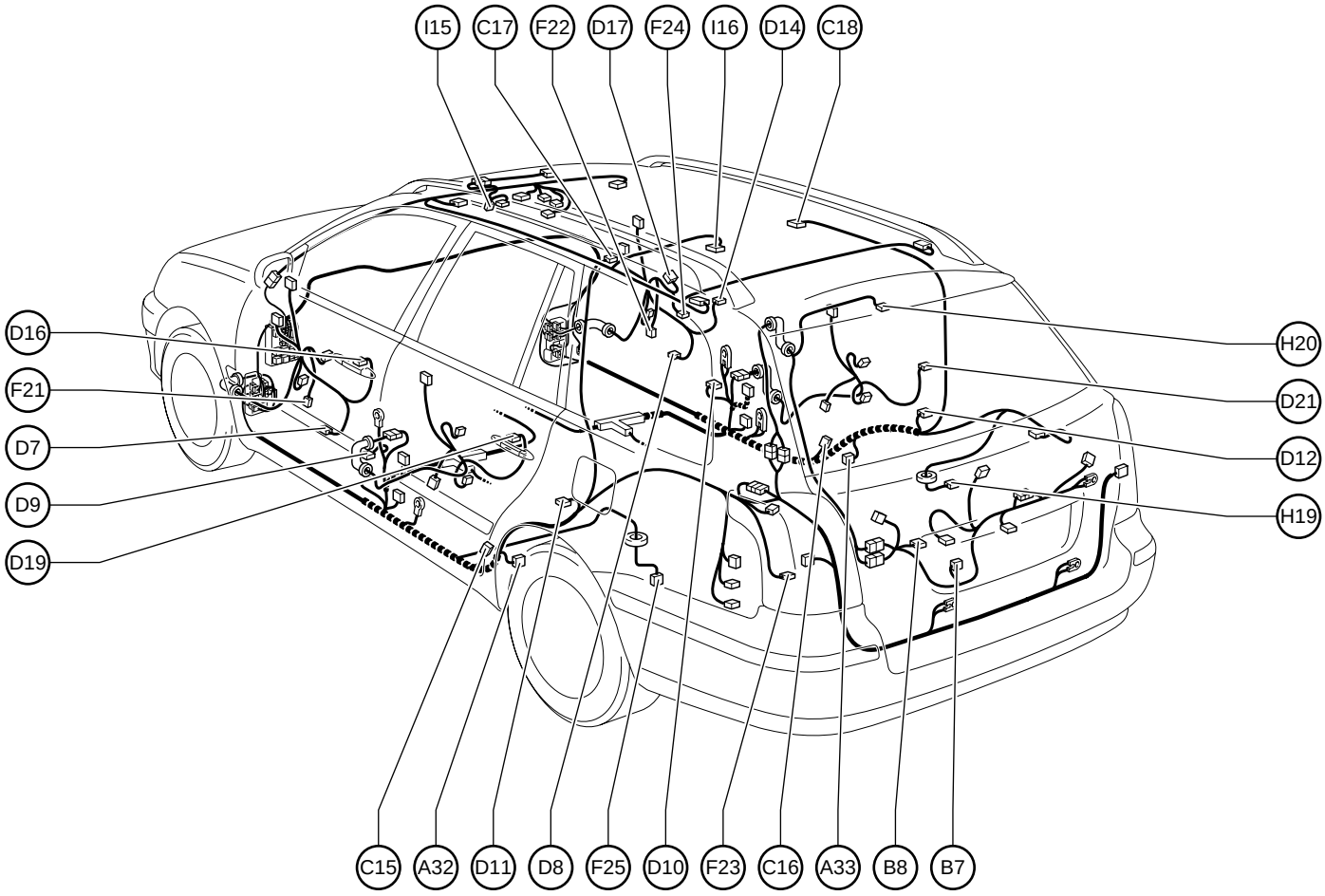
S 14 Side Airbag Sensor LH
S 15 Side Airbag Sensor RH

T 11 Telephone Microphone Amplifier
T 12 Theft Warning Ultrasonic Sensor
T 15 Theft Warning Siren
T 16 Tweeter Front LH
T 17 Tweeter Front RH
T 18 Tweeter Rear LH
T 19 Tweeter Rear RH

V 8 Vanity Light LH
V 9 Vanity Light RH

Position of Parts in Body

[RHD : W/G]



A32 ABS Speed Sensor Rear LH
A33 ABS Speed Sensor Rear RH

B 7 Back Door Courtesy SW
Back Door Lock Motor
B 8 Back Door Opener SW

C15 Curtain Shield Airbag Sensor LH
C16 Curtain Shield Airbag Sensor RH
C17 Curtain Shield Airbag Squib LH
C18 Curtain Shield Airbag Squib RH

D 7 Door Courtesy Light LH
D 8 Door Courtesy Light RH
D 9 Door Courtesy SW Front LH
D10 Door Courtesy SW Front RH
D11 Door Courtesy SW Rear LH
D12 Door Courtesy SW Rear RH
D14 Door Key Lock and Unlock SW (Driver's Side)
Door Lock Control Motor (Driver's Side)
Door Unlock Detection SW (Driver's Side)
Double Lock Motor (Driver's Side)
Double Lock Position SW (Driver's Side)
D16 Door Lock Control Motor (Front Passenger's Side)
Door Unlock Detection SW (Front Passenger's Side)
Double Lock Motor (Front Passenger's Side)
Double Lock Position SW (Front Passenger's Side)
D17 Door Lock Control SW
Power Window Master SW
D19 Door Lock Motor Rear LH
Door Unlock Detection SW Rear LH
Double Lock Motor Rear LH
Double Lock Position SW Rear LH
D21 Door Lock Motor Rear RH
Door Unlock Detection SW Rear RH
Double Lock Motor Rear RH
Double Lock Position SW Rear RH

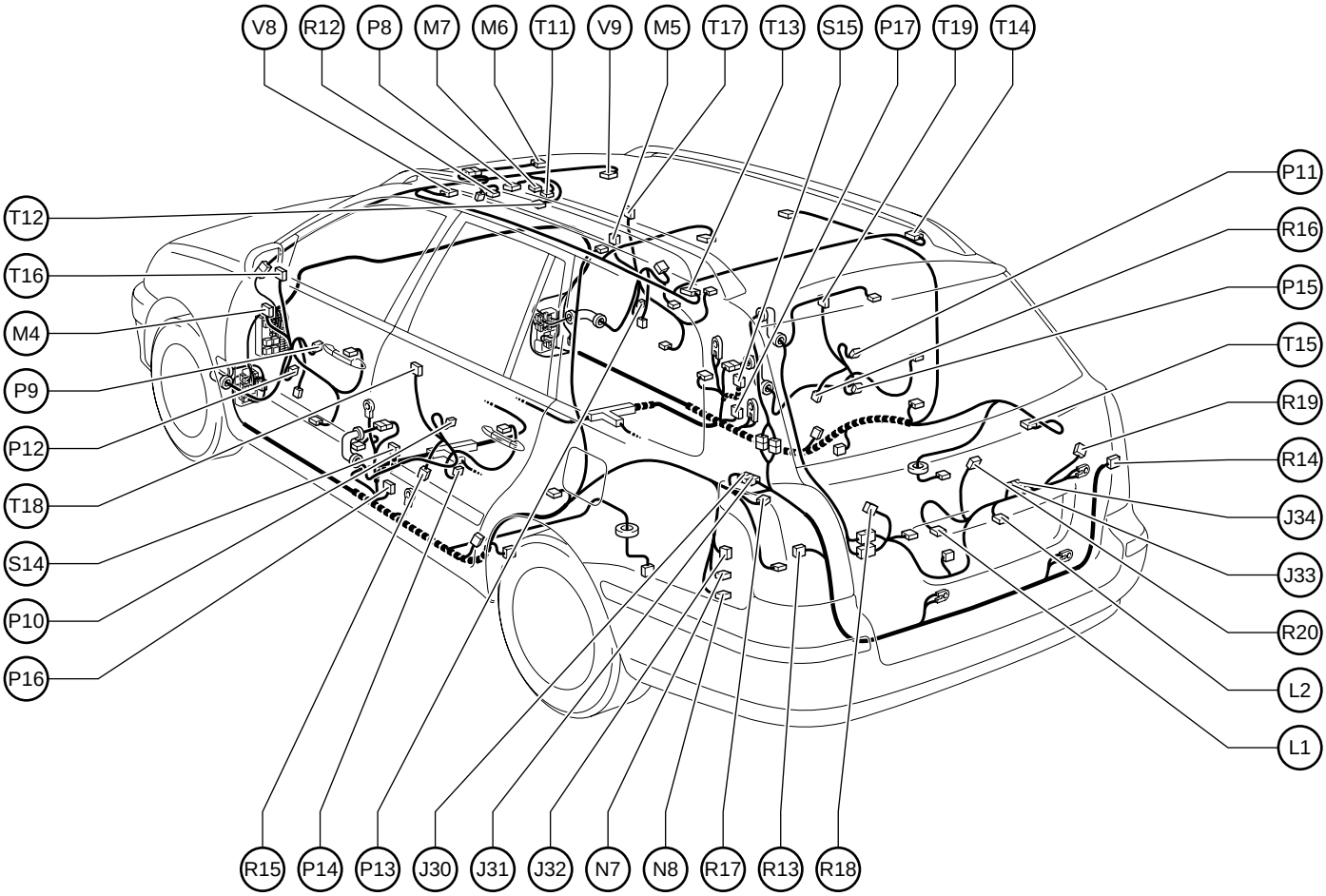
F 21 Front Door Speaker LH
F 22 Front Door Speaker RH
F 23 Fuel Lid Opener Motor
F 24 Fuel Lid Opener SW
F 25 Fuel Pump
Fuel Sender

H19 Height Control Sensor (Rear)
H20 High Mounted Stop Light

I 15 Inner Mirror
I 16 Interior Light

Position of Parts in Body

[RHD : W/G]



J 30 Junction Connector
J 31 Junction Connector
J 32 Junction Connector
J 33 Junction Connector
J 34 Junction Connector

L 1 License Plate Light LH
L 2 License Plate Light RH

M 4 Mirror Heater LH
Remote Control Mirror LH
M 5 Mirror Heater RH
Remote Control Mirror RH
M 6 Moon Roof Control Relay and Motor
M 7 Moon Roof Control SW

N 7 Noise Filter (Rear Window Defogger No.2)
N 8 Noise Filter (Stop Light)

P 8 Personal Light
P 9 Power Window Control SW (Front Passenger Side)
P 10 Power Window Control SW Rear LH
P 11 Power Window Control SW Rear RH
P 12 Power Window Motor Front LH
P 13 Power Window Motor Front RH
P 14 Power Window Motor Rear LH
P 15 Power Window Motor Rear RH
P 16 Pretensioner LH
P 17 Pretensioner RH

R 12 Rain Sensor
R 13 Rear Combination Light LH
R 14 Rear Combination Light RH
R 15 Rear Door Speaker LH
R 16 Rear Door Speaker RH
R 17 Rear Interior Light
R 18 Rear Window Defogger
R 19 Rear Window Defogger
R 20 Rear Wiper Motor and Relay

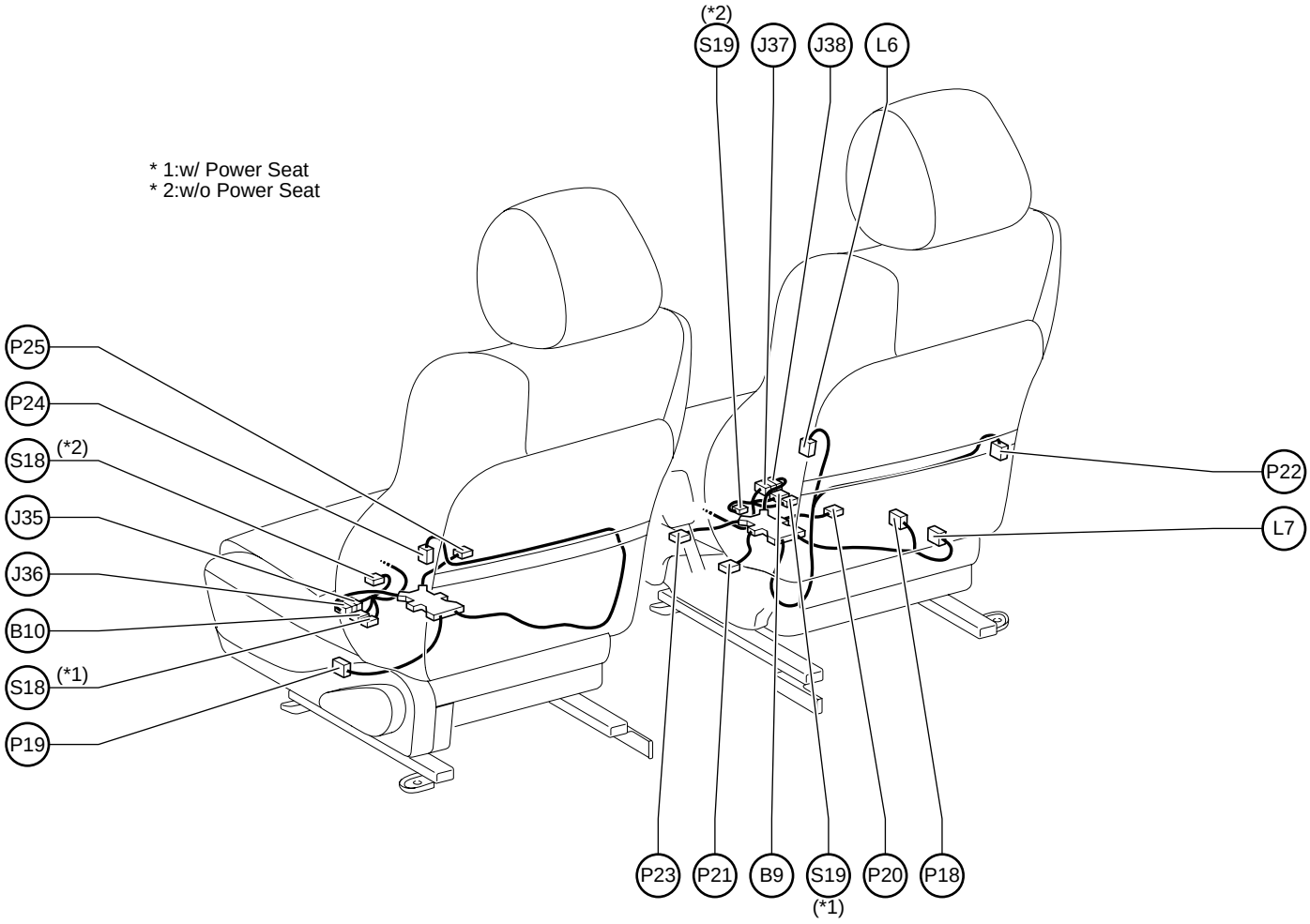
S 14 Side Airbag Sensor LH
S 15 Side Airbag Sensor RH

T 11 Telephone Microphone Amplifier
T 12 Theft Warning Ultrasonic Sensor
T 13 Theft Warning Ultrasonic Sensor Rear LH
T 14 Theft Warning Ultrasonic Sensor Rear RH
T 15 Theft Warning Siren
T 16 Tweeter Front LH
T 17 Tweeter Front RH
T 18 Tweeter Rear LH
T 19 Tweeter Rear RH

V 8 Vanity Light LH
V 9 Vanity Light RH

Position of Parts in Seat

[RHD]



B 9 Buckle SW (Driver's Side)
B10 Buckle SW (Front Passenger's Side) Occupant Detection Sensor

J 35 Junction Connector
J 36 Junction Connector
J 37 Junction Connector
J 38 Junction Connector

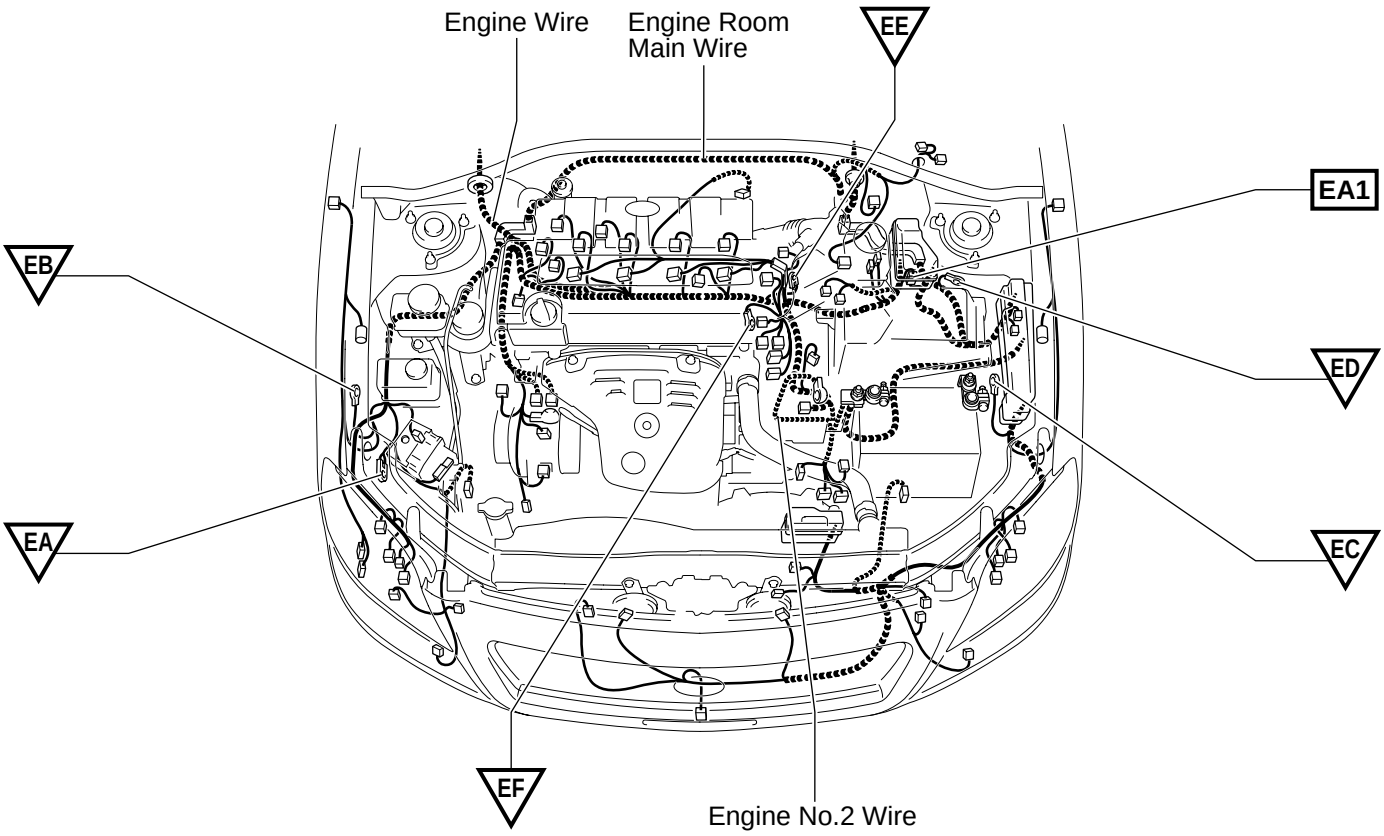
L 6 Lumbar Support Control Motor
L 7 Lumbar Support Control SW

P18 Power Seat Control SW (Driver's Seat)
P19 Power Seat Control SW (Front Passenger's Seat)
P20 Power Seat Motor (Driver's Seat Front Vertical Control)
P21 Power Seat Motor (Driver's Seat Lifter Control)
P22 Power Seat Motor (Driver's Seat Reclining Control)
P23 Power Seat Motor (Driver's Seat Slide Control)
P24 Power Seat Motor (Front Passenger's Seat Reclining Control)
P25 Power Seat Motor (Front Passenger's Seat Slide Control)

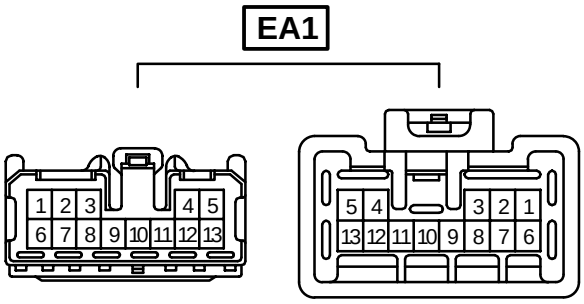
S18 Side Airbag Squib LH
S19 Side Airbag Squib RH

▭ : Location of Connector Joining Wire Harness and Wire Harness
▽ : Location of Ground Points

[LHD : 2AZ–FSE, 1AZ–FSE]



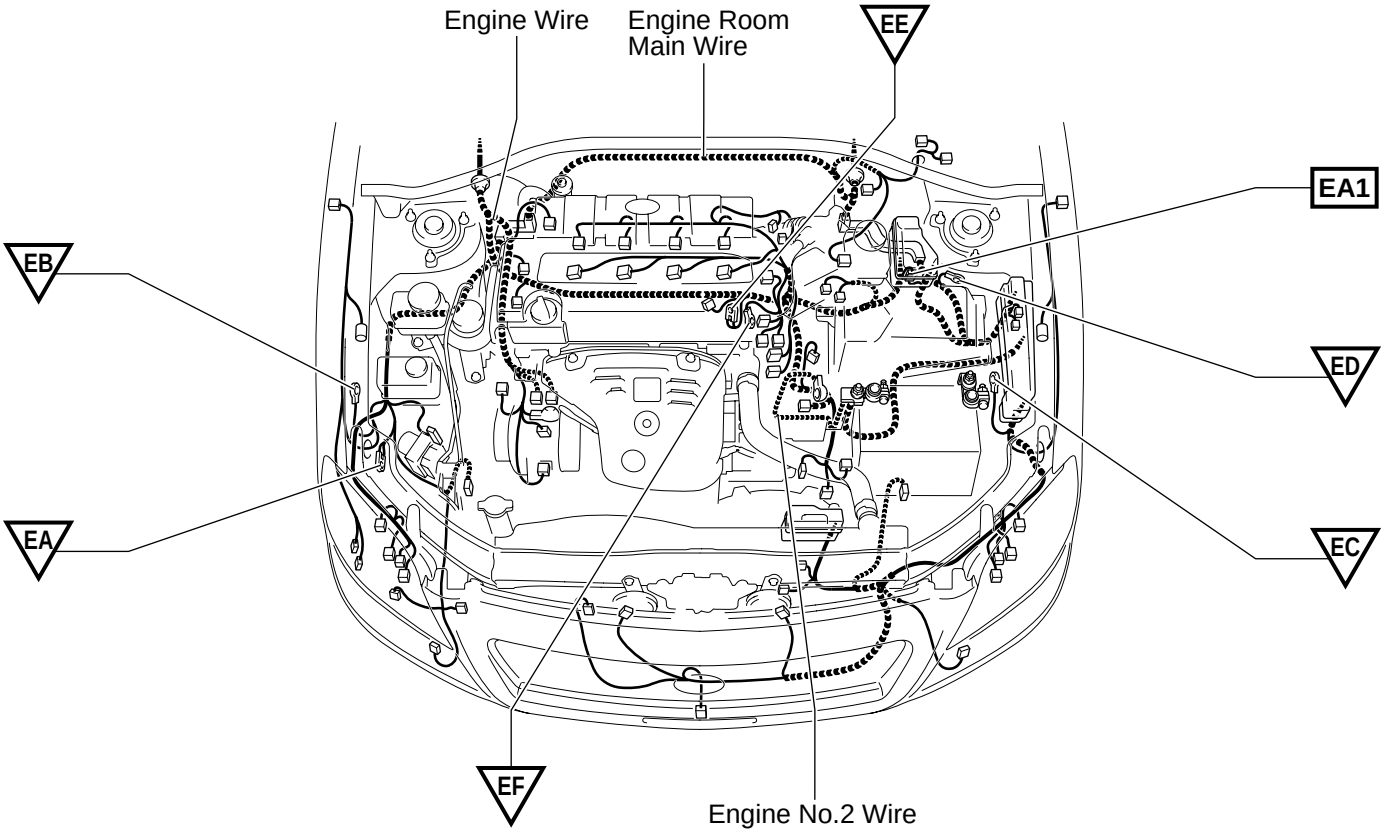
Connector Joining Wire Harness and Wire Harness



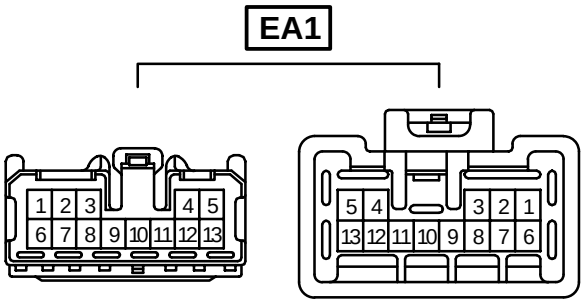
Code	Joining Wire Harness and Wire Harness (Connector Location)
EA1	Engine Wire and Engine Room Main Wire (Left Side of the Suspension Tower)

▭ : Location of Connector Joining Wire Harness and Wire Harness
▽ : Location of Ground Points

[LHD : 1AZ–FE]



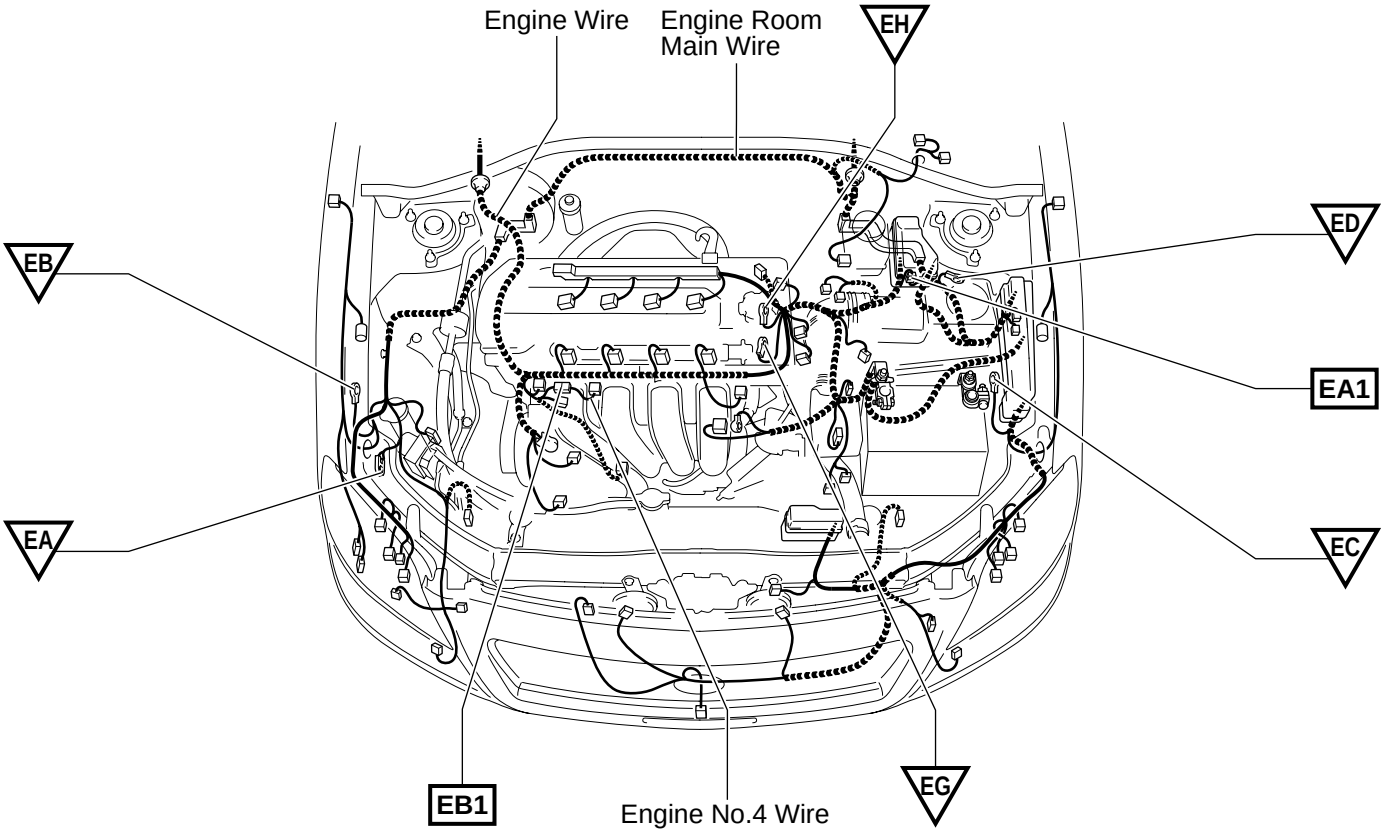
Connector Joining Wire Harness and Wire Harness



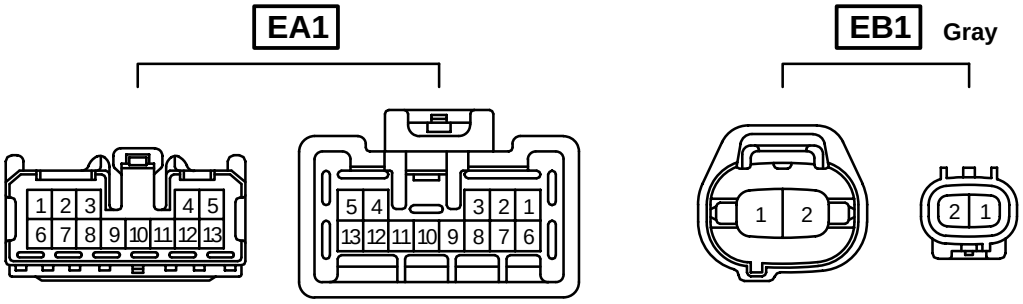
Code	Joining Wire Harness and Wire Harness (Connector Location)
EA1	Engine Wire and Engine Room Main Wire (Left Side of the Suspension Tower)

▭ : Location of Connector Joining Wire Harness and Wire Harness
▽ : Location of Ground Points

[LHD : 1ZZ–FE, 3ZZ–FE]



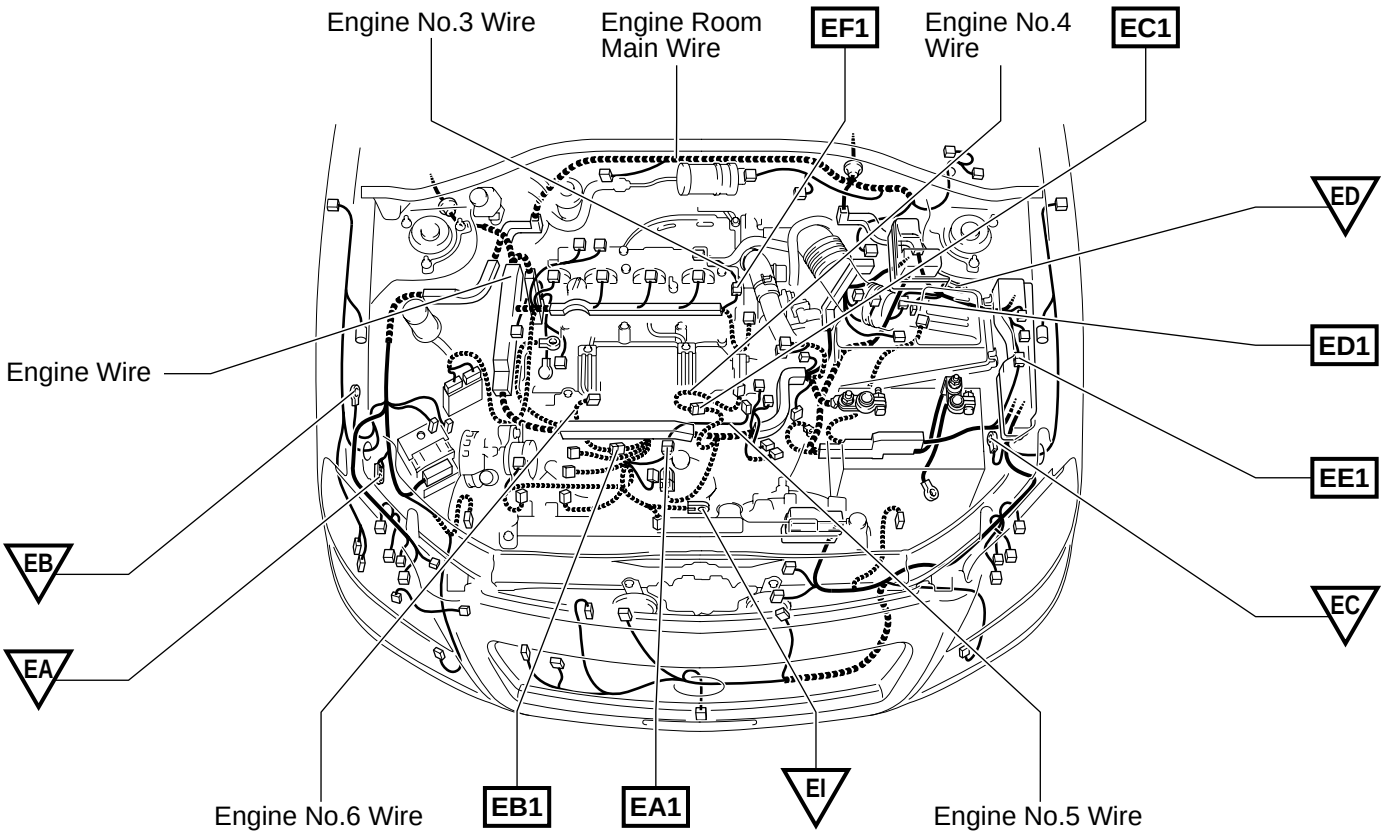
Connector Joining Wire Harness and Wire Harness



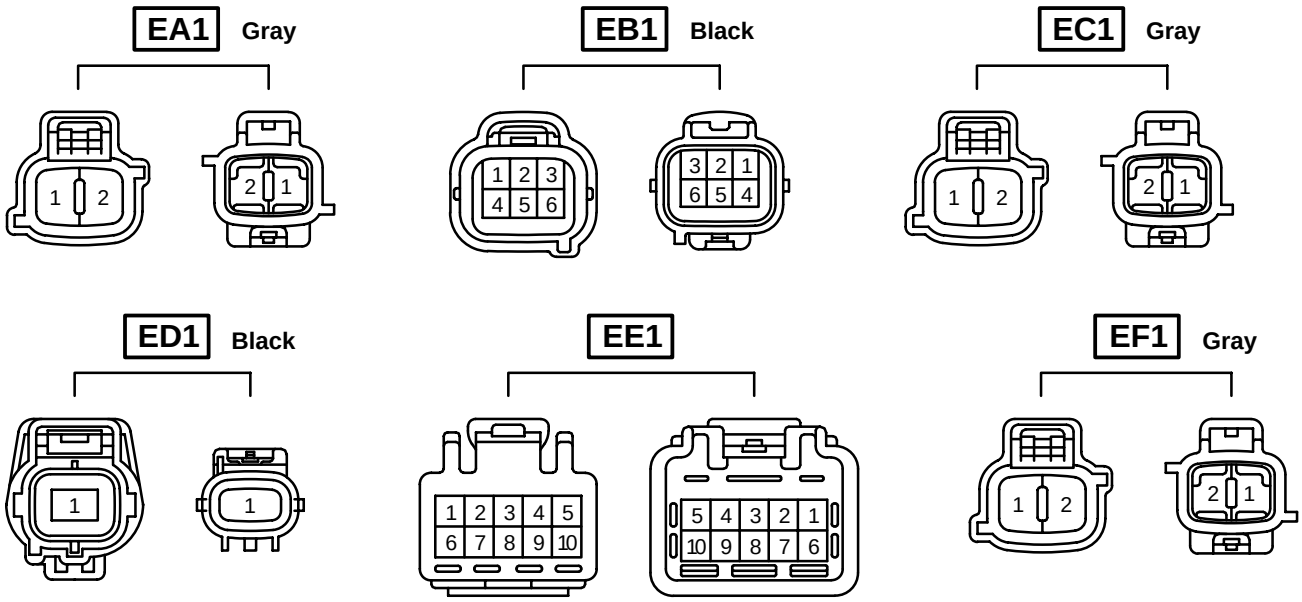
Code	Joining Wire Harness and Wire Harness (Connector Location)
EA1	Engine Wire and Engine Room Main Wire (Left Side of the Suspension Tower)
EB1	Engine Wire and Engine No.4 Wire (Near the Alternator)

▭ : Location of Connector Joining Wire Harness and Wire Harness
▽ : Location of Ground Points

[LHD : 1CD–FTV]



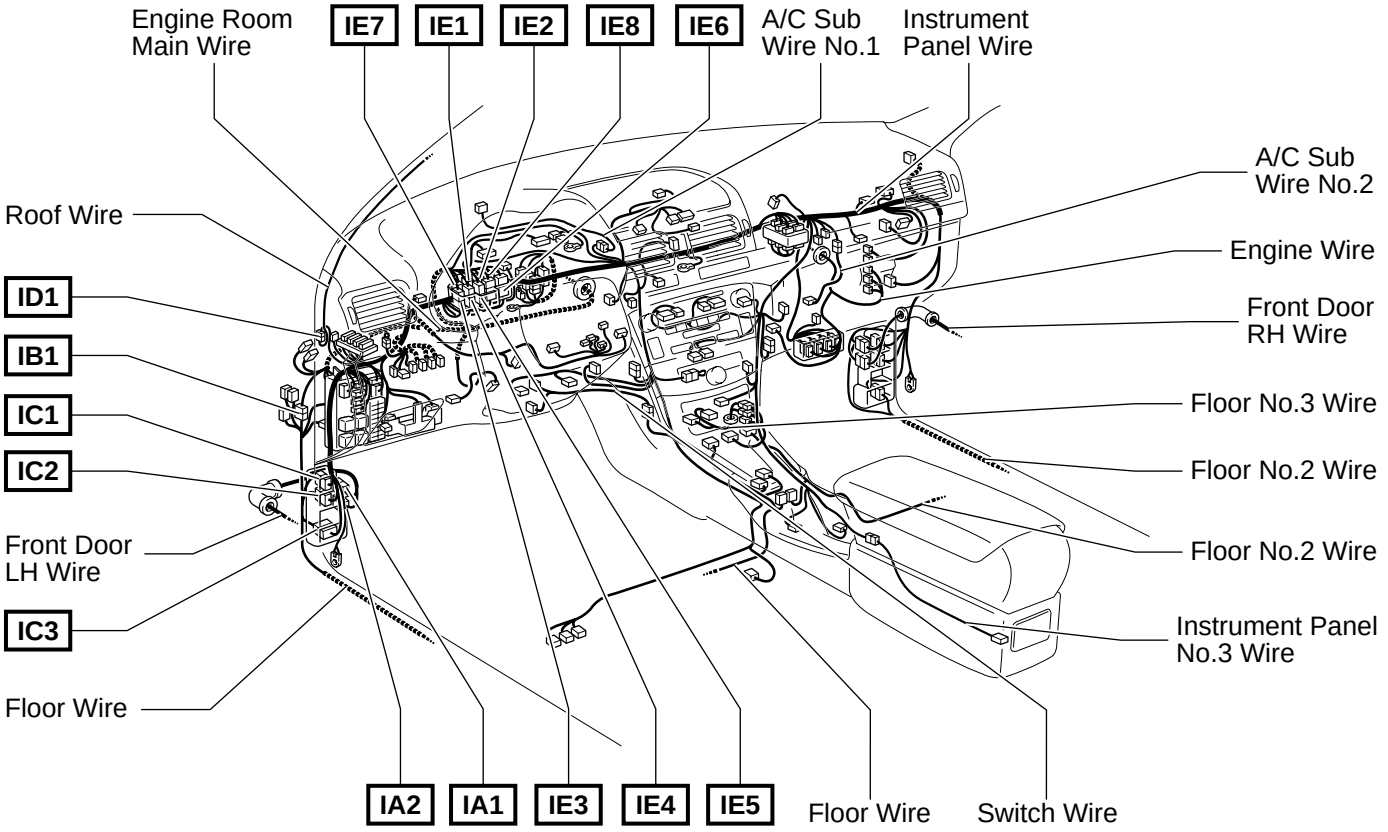
Connector Joining Wire Harness and Wire Harness



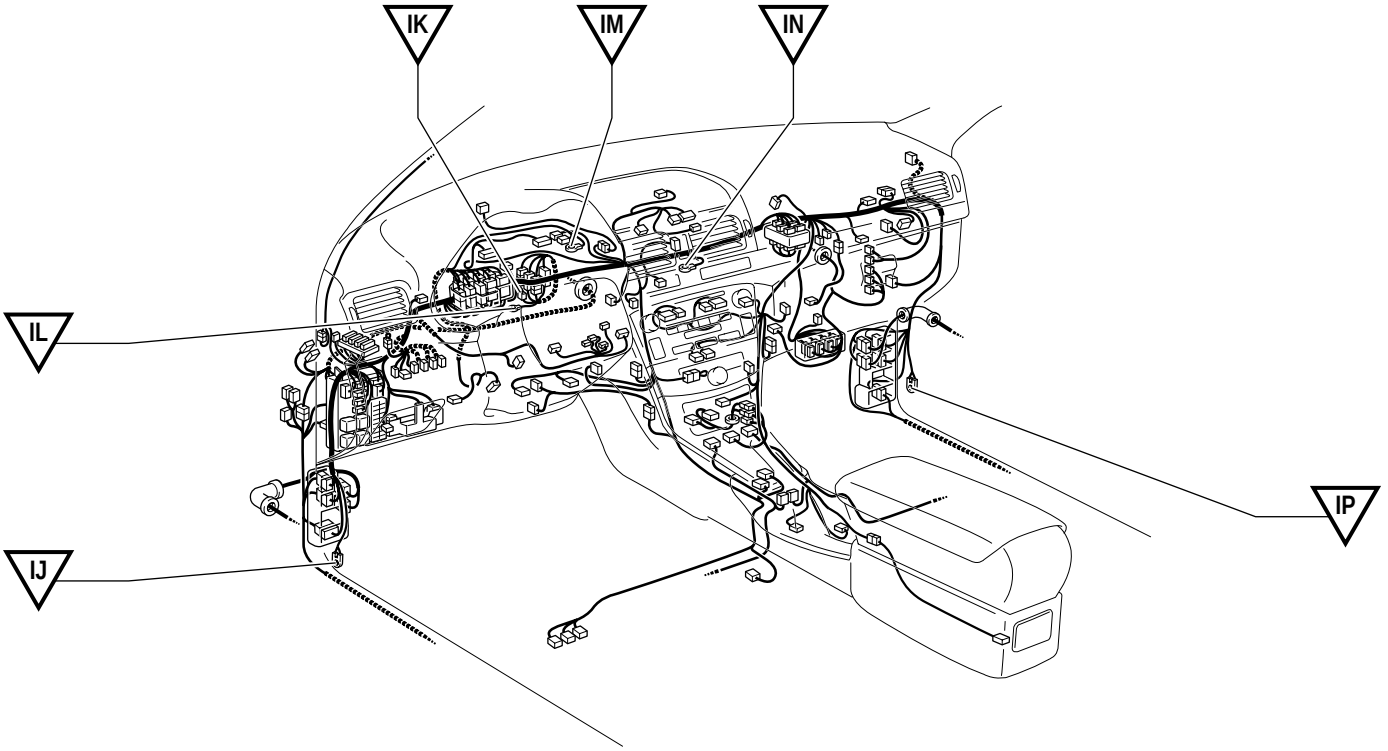
Code	Joining Wire Harness and Wire Harness (Connector Location)
EA1	Engine Wire and Engine No.5 Wire (Near the Starter)
EB1	Engine Wire and Engine No.6 Wire (Near the Starter)
EC1	Engine Wire and Engine No.4 Wire (Near the Starter)
ED1	Engine Wire and Engine Room Main Wire (Left Side of the Suspension Tower)
EE1	Engine Wire and Engine Room Main Wire (Engine Compartment Left)
EF1	Engine Wire and Engine No.3 Wire (Left Side of Cylinder Head)

▭ : Location of Connector Joining Wire Harness and Wire Harness

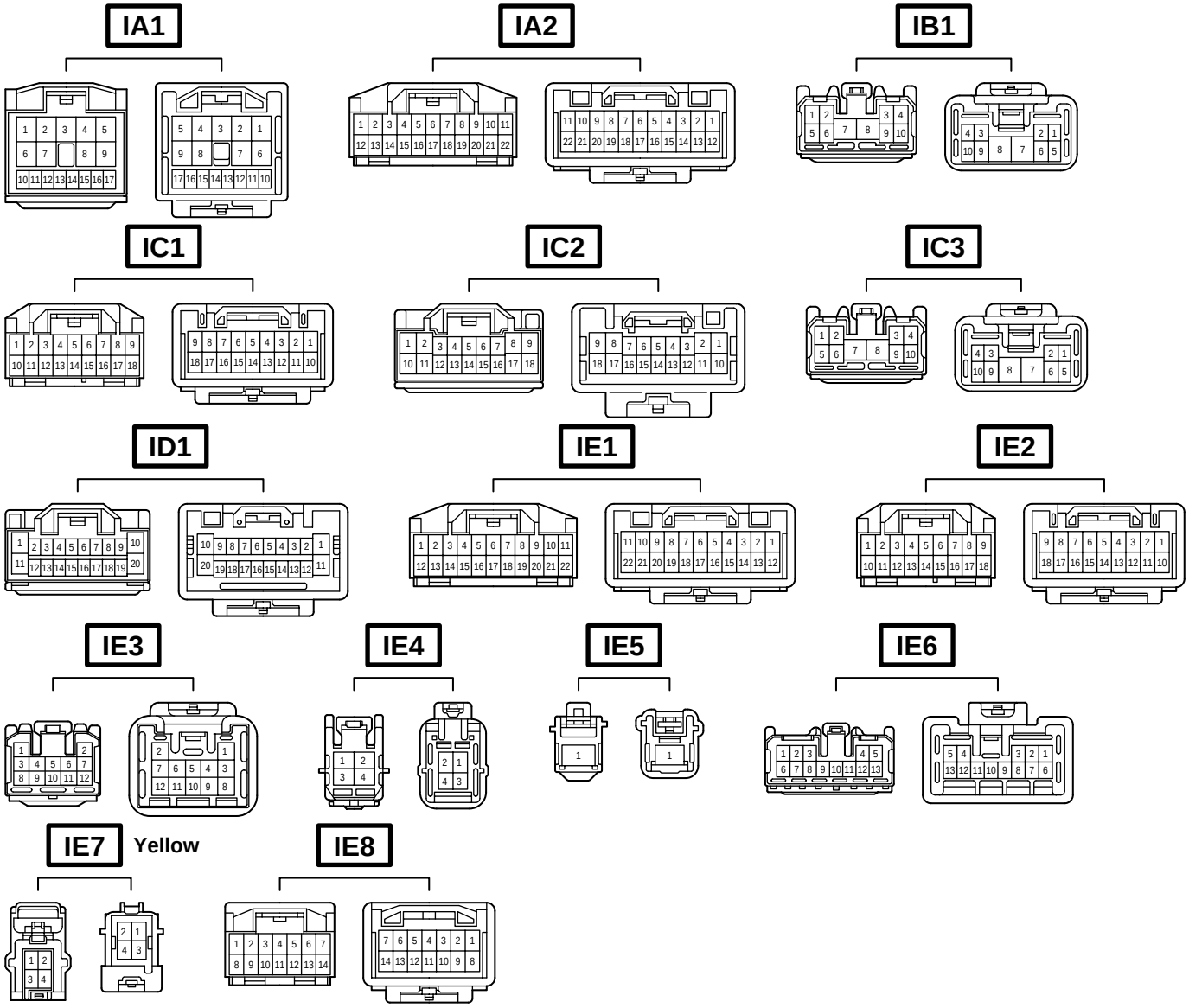
[LHD]



▽ : Location of Ground Points



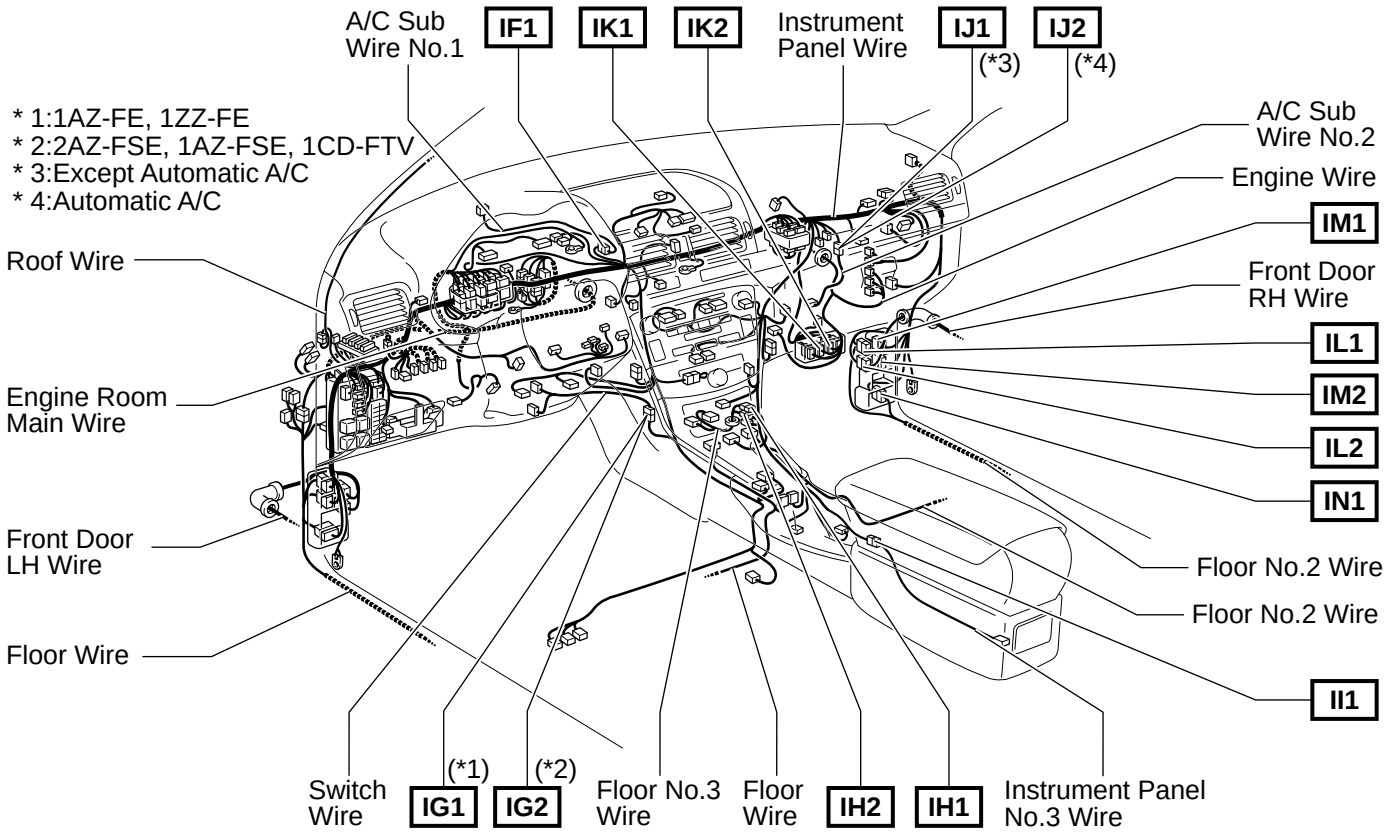
Connector Joining Wire Harness and Wire Harness



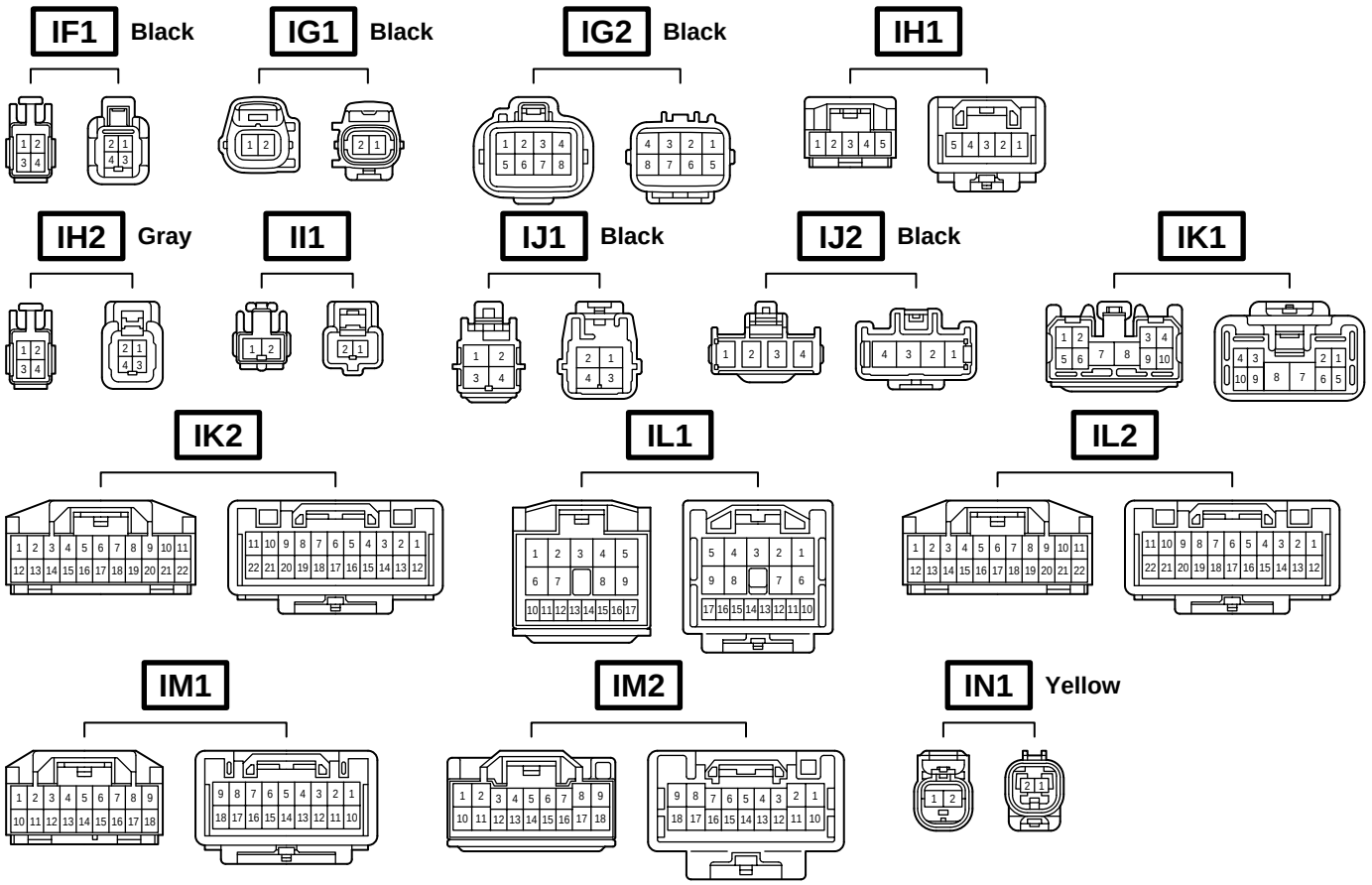
Code	Joining Wire Harness and Wire Harness (Connector Location)
IA1	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
IA2	
IB1	Engine Room Main Wire and Floor Wire (Near the Driver Side J/B)
IC1	Instrument Panel Wire and Floor Wire (Left Kick Panel)
IC2	
IC3	
ID1	Instrument Panel Wire and Roof Wire (Left Side of the Instrument Panel)
IE1	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
IE2	
IE3	
IE4	
IE5	
IE6	
IE7	
IE8	

▭ : Location of Connector Joining Wire Harness and Wire Harness

[LHD]



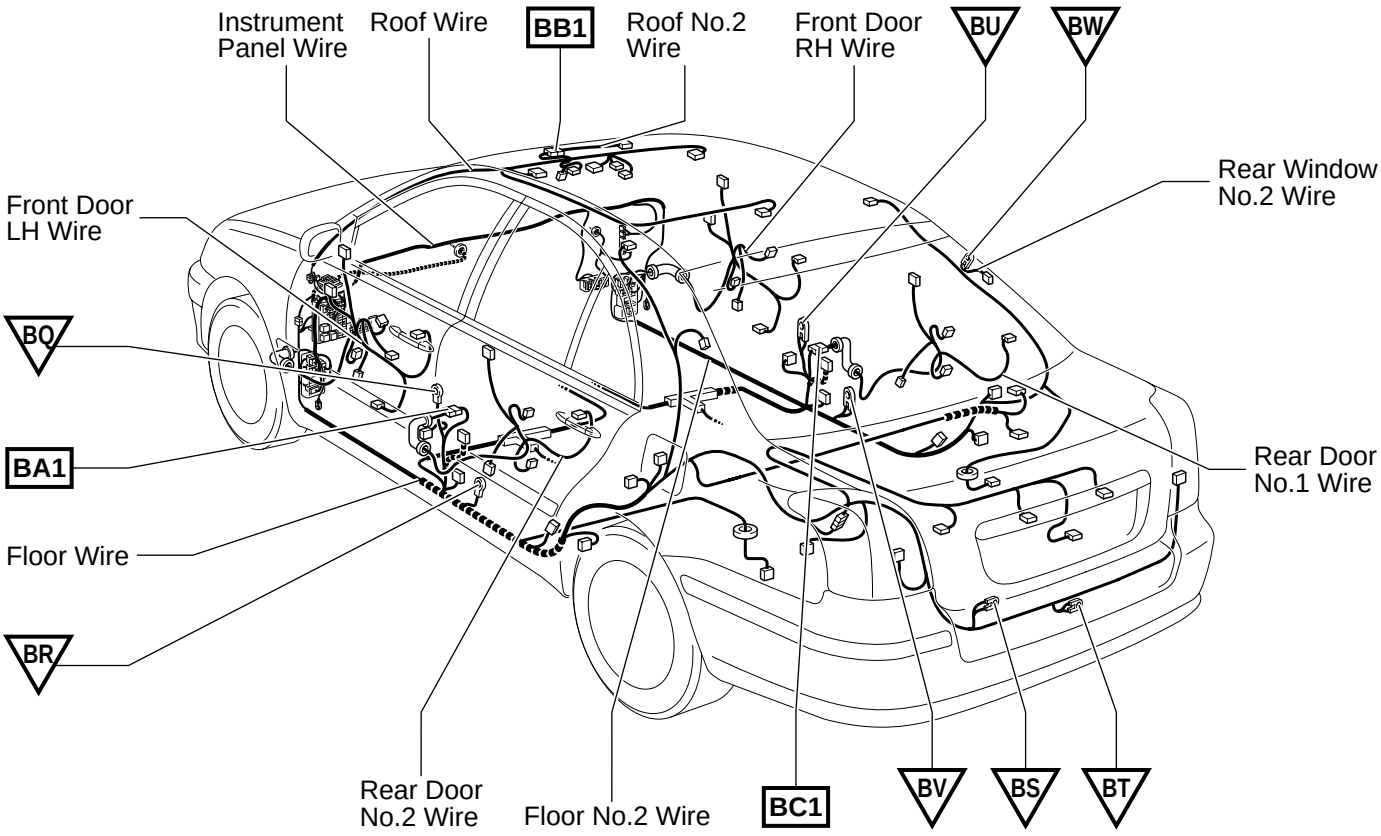
Connector Joining Wire Harness and Wire Harness



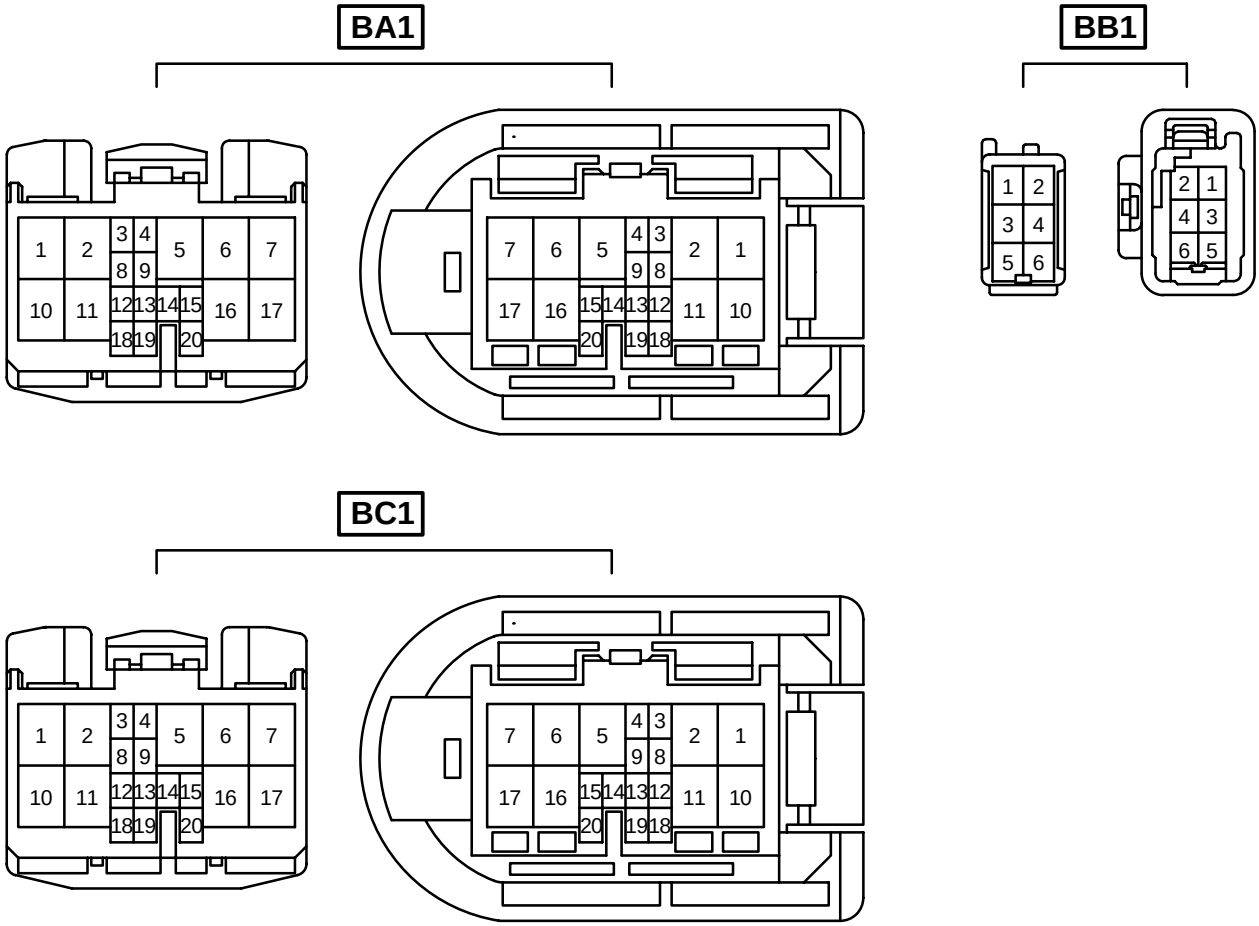
Code	Joining Wire Harness and Wire Harness (Connector Location)
IF1	Instrument Panel Wire and A/C Sub Wire No.1 (Left Side of the Combination Meter)
IG1	Instrument Panel Wire and Switch Wire (Instrument Panel Brace LH)
IG2	
IH1	Floor No.3 Wire and Instrument Panel Wire (Instrument Panel Brace RH)
IH2	
II1	Instrument Panel Wire and Instrument Panel No.3 Wire (Under the Console Box)
IJ1	Instrument Panel Wire and A/C Sub Wire No.2 (Left Side of the A/C Unit)
IJ2	
IK1	Engine Wire and Instrument Panel Wire (Behind the Glove Box)
IK2	
IL1	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
IL2	
IM1	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)
IM2	
IN1	Floor No.2 Wire and Instrument Panel Wire (Right Kick Panel)

▭ : Location of Connector Joining Wire Harness and Wire Harness
▽ : Location of Ground Points

[LHD : S/D]



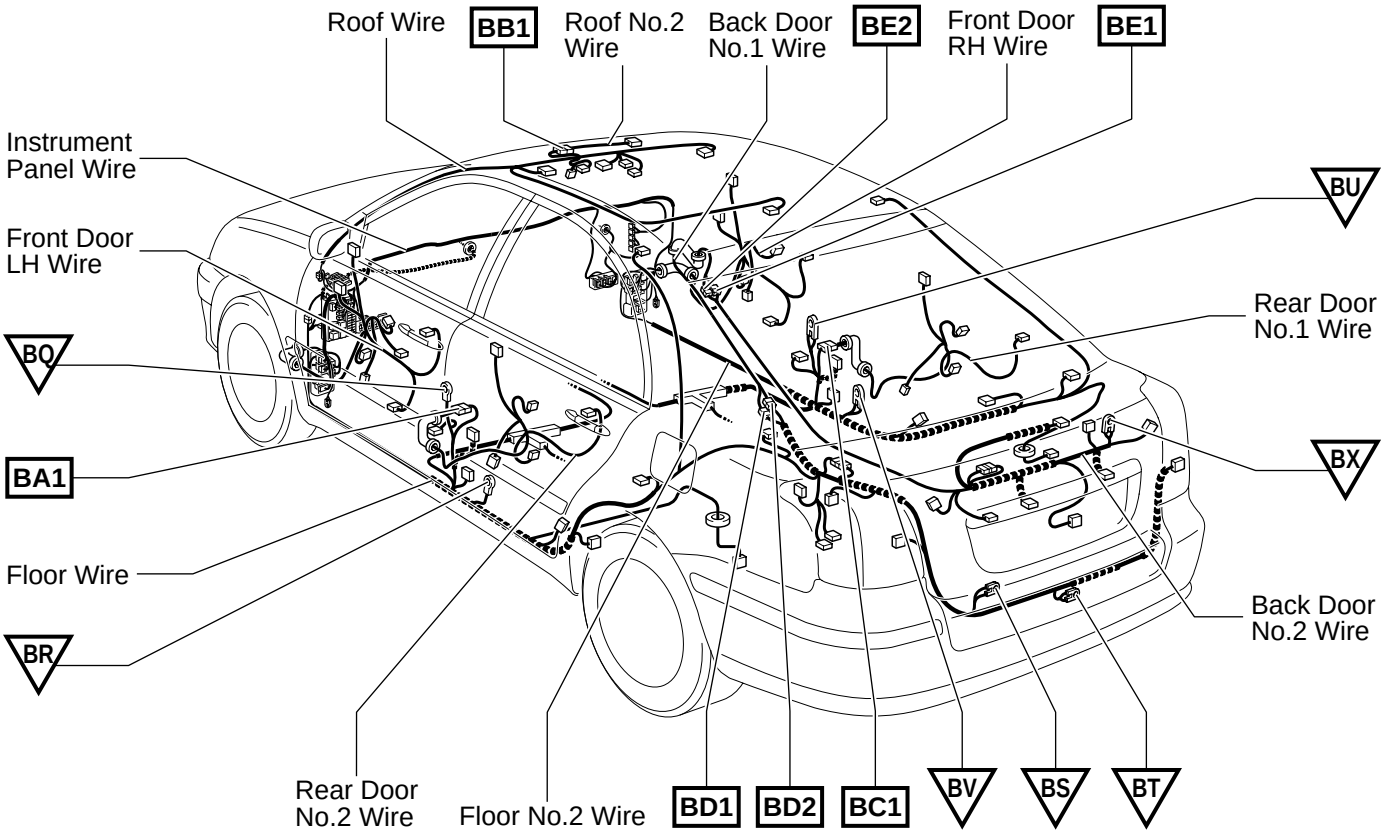
Connector Joining Wire Harness and Wire Harness



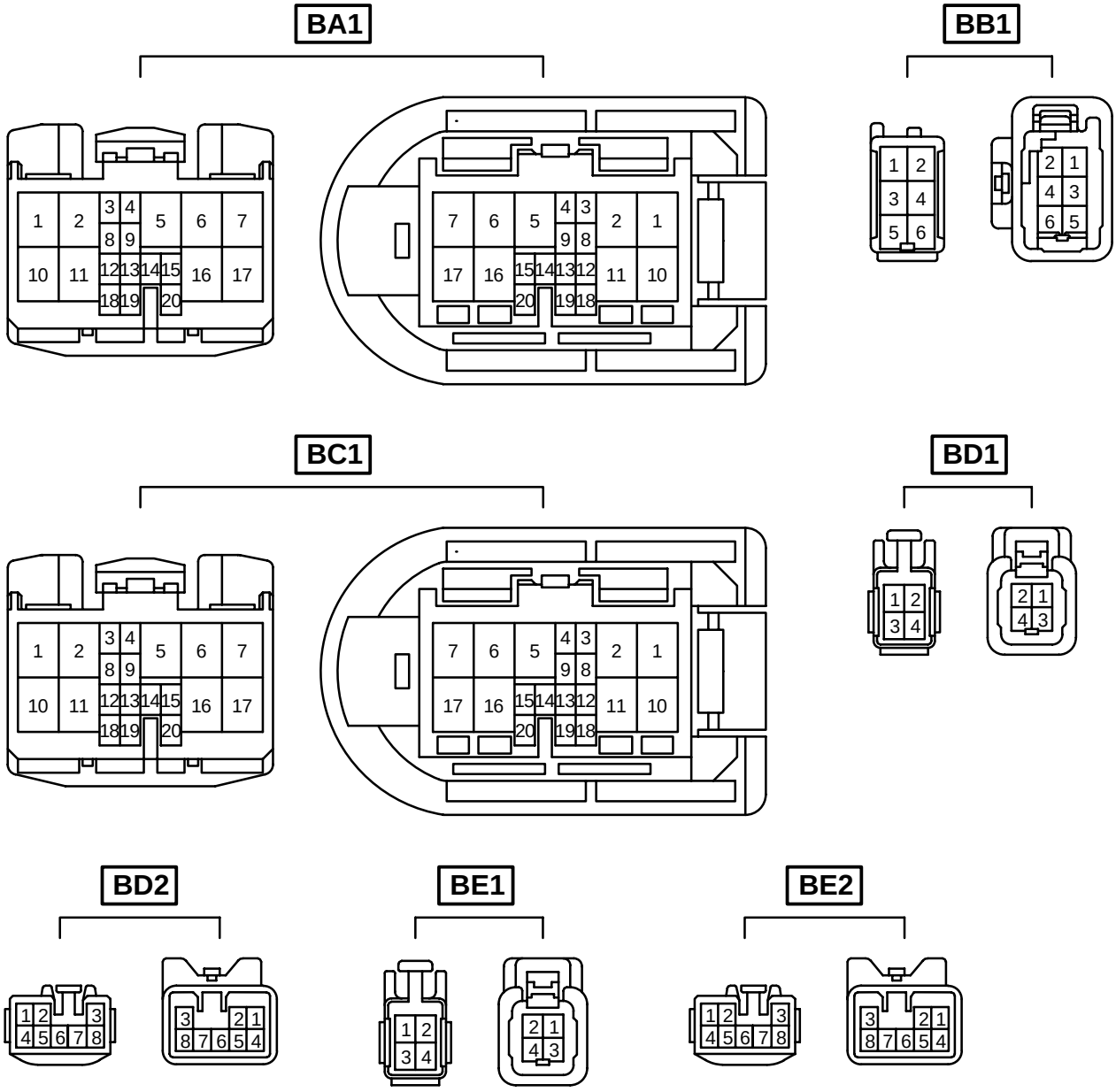
Code	Joining Wire Harness and Wire Harness (Connector Location)
BA1	Rear Door No.2 Wire and Floor Wire (Under the Left Center Pillar)
BB1	Roof Wire and Roof No.2 Wire (Near the Personal Light)
BC1	Rear Door No.1 Wire and Floor No.2 Wire (Under the Right Center Pillar)

▭ : Location of Connector Joining Wire Harness and Wire Harness
▽ : Location of Ground Points

[LHD : L/B]



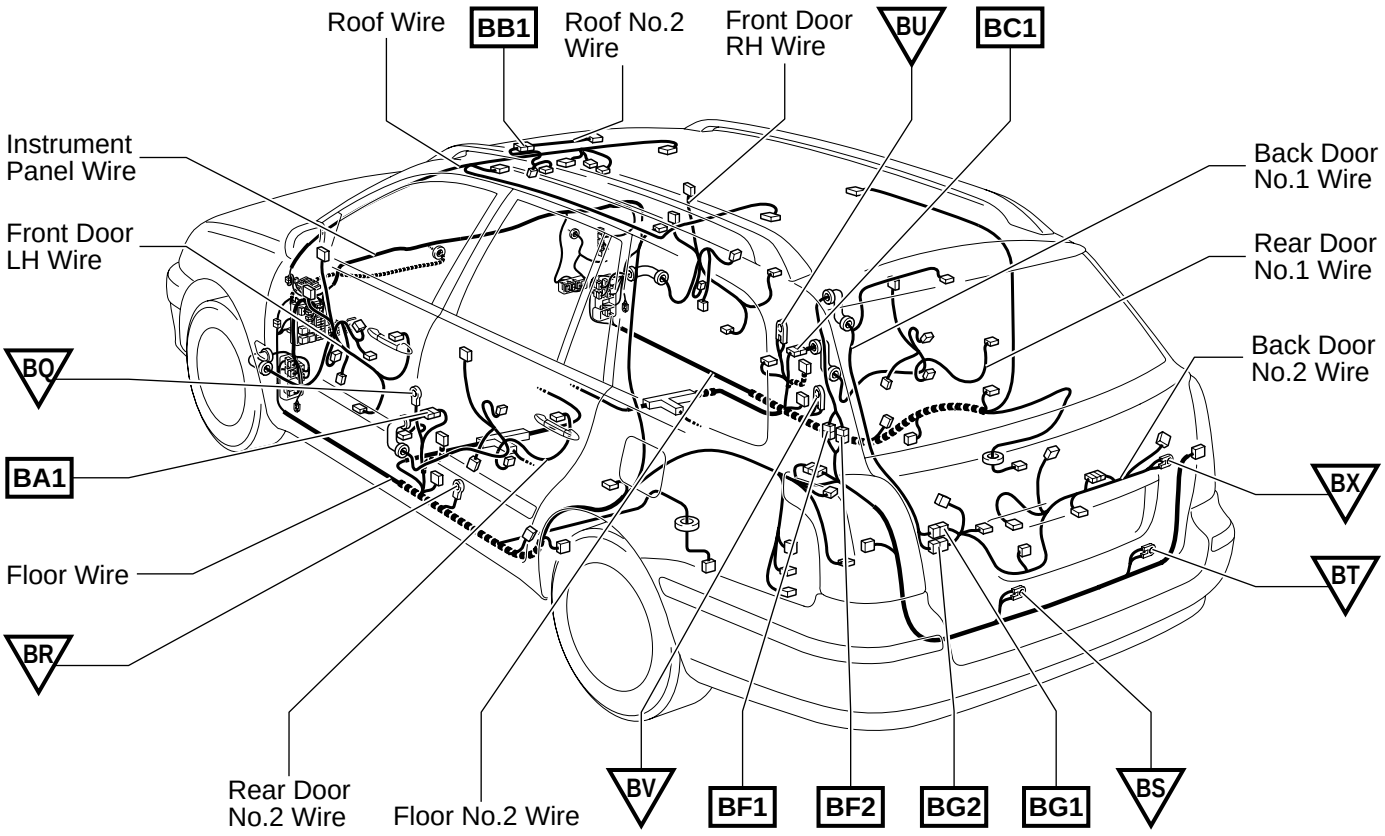
Connector Joining Wire Harness and Wire Harness



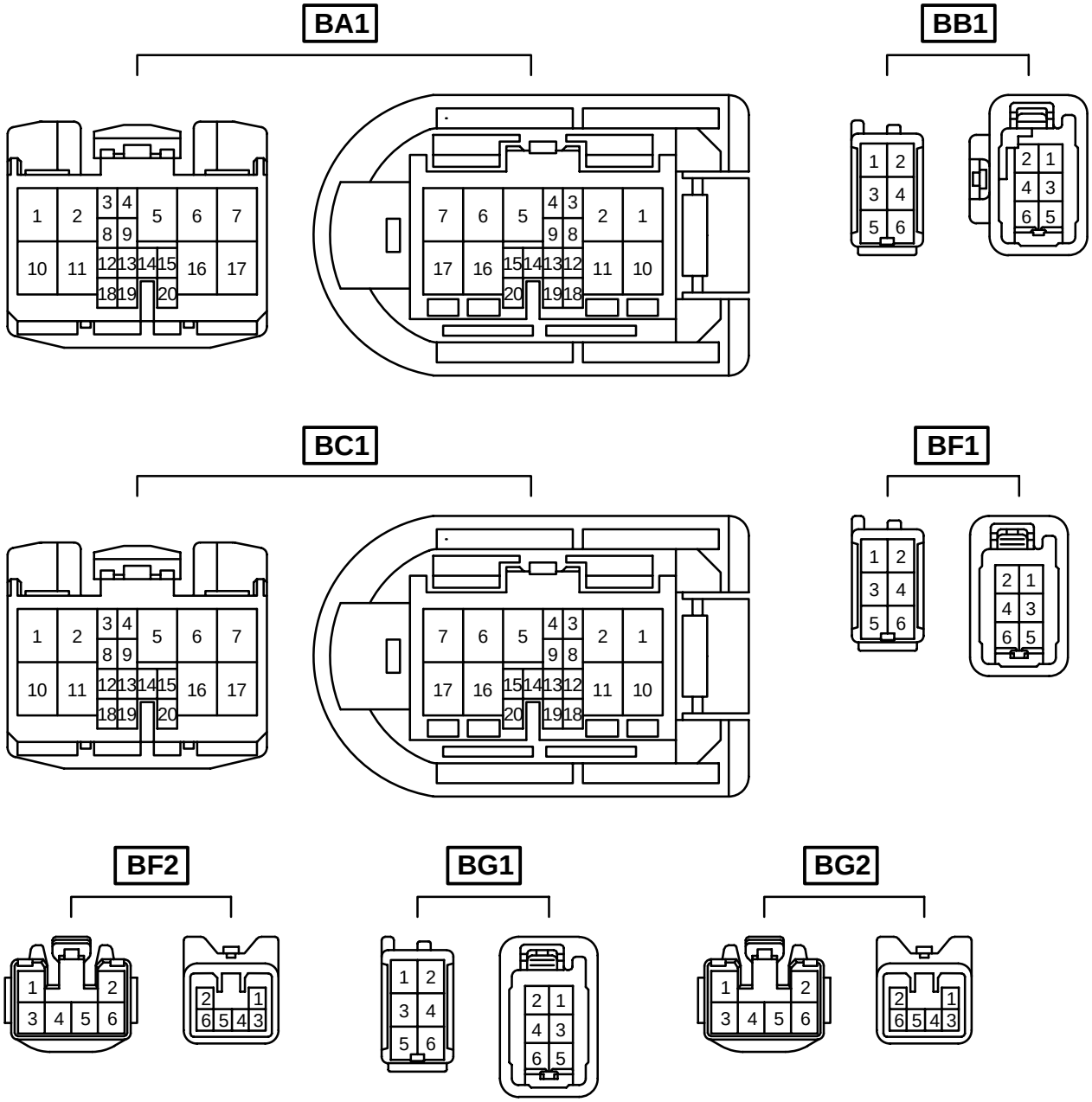
Code	Joining Wire Harness and Wire Harness (Connector Location)
BA1	Rear Door No.2 Wire and Floor Wire (Under the Left Center Pillar)
BB1	Roof Wire and Roof No.2 Wire (Near the Personal Light)
BC1	Rear Door No.1 Wire and Floor No.2 Wire (Under the Right Center Pillar)
BD1	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
BD2	
BE1	Back Door No.2 Wire and Back Door No.1 Wire (Back Door Upper Left)
BE2	

▭ : Location of Connector Joining Wire Harness and Wire Harness
▽ : Location of Ground Points

[LHD : W/G]

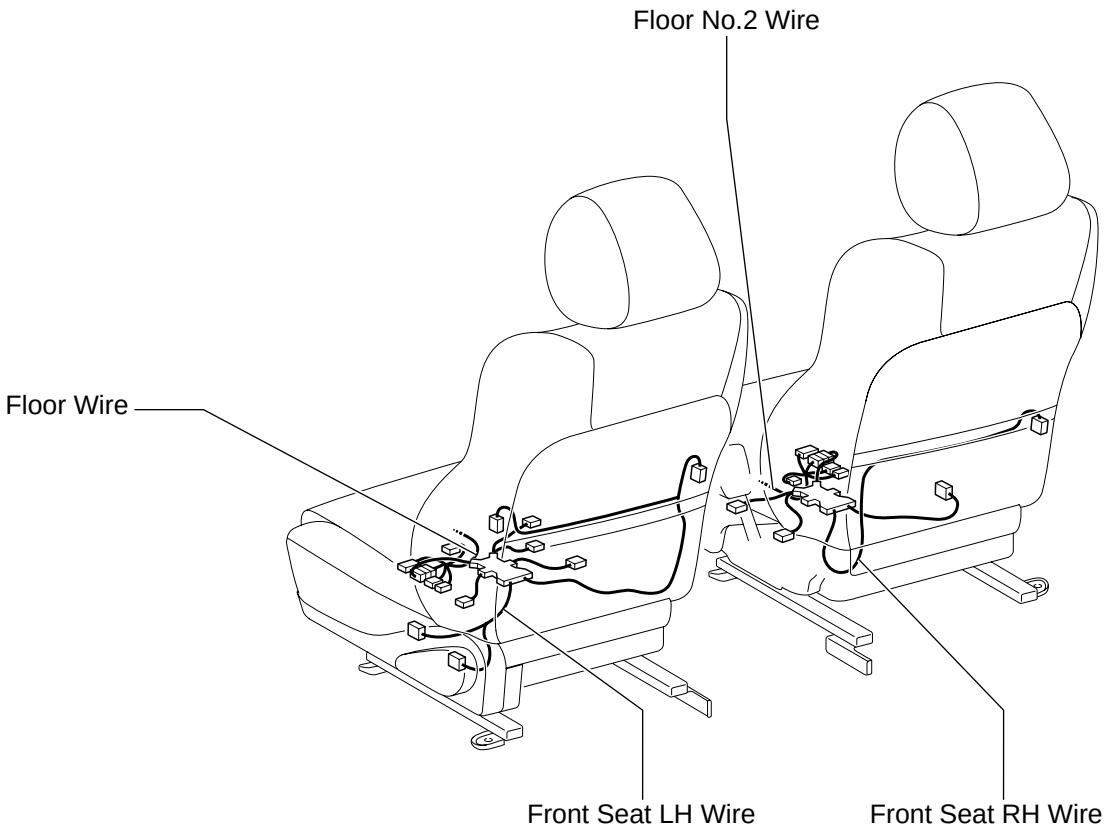


Connector Joining Wire Harness and Wire Harness



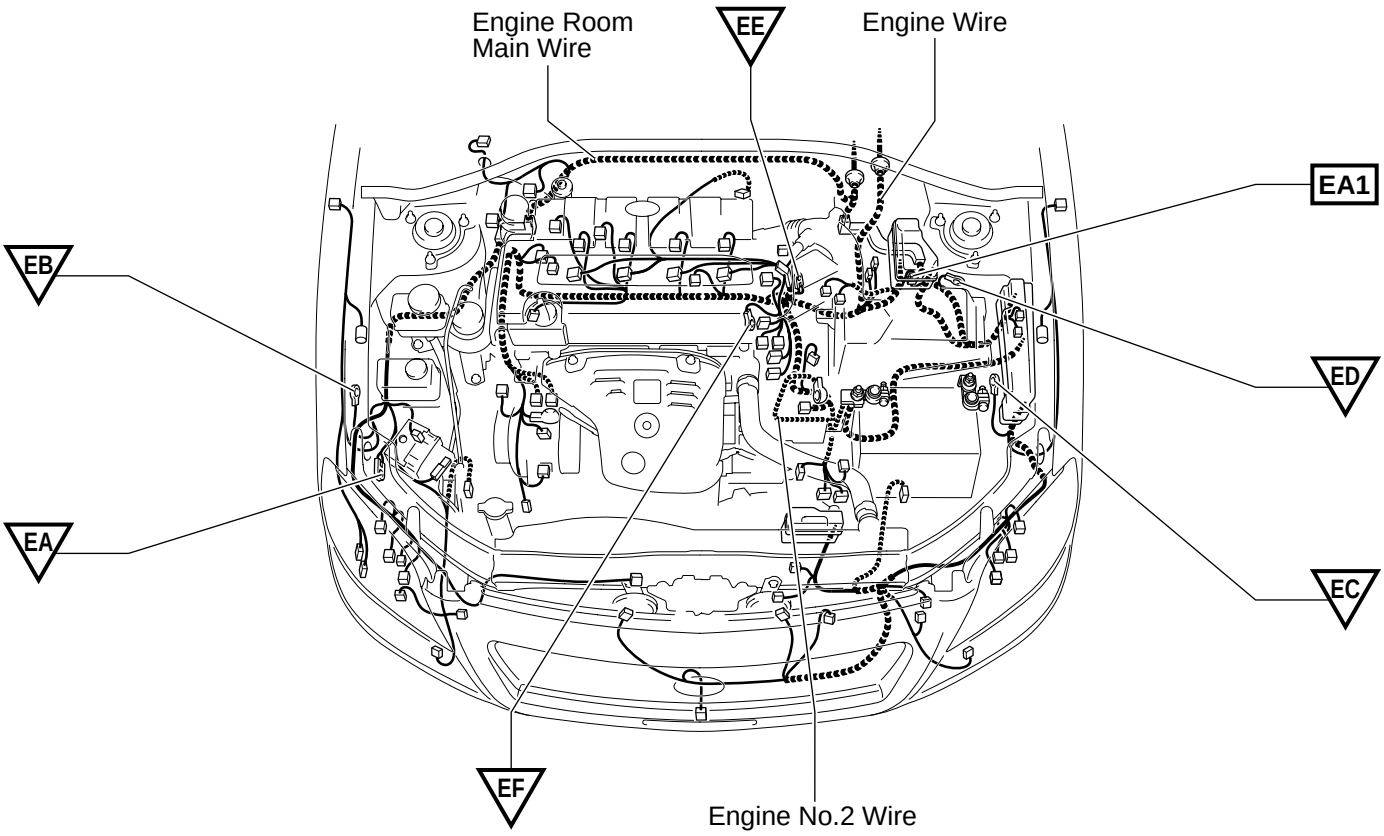
Code	Joining Wire Harness and Wire Harness (Connector Location)
BA1	Rear Door No.2 Wire and Floor Wire (Under the Left Center Pillar)
BB1	Roof Wire and Roof No.2 Wire (Near the Personal Light)
BC1	Rear Door No.1 Wire and Floor No.2 Wire (Under the Right Center Pillar)
BF1	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
BF2	
BG1	Back Door No.1 Wire and Back Door No.2 Wire (Back Door Left)
BG2	

[LHD]

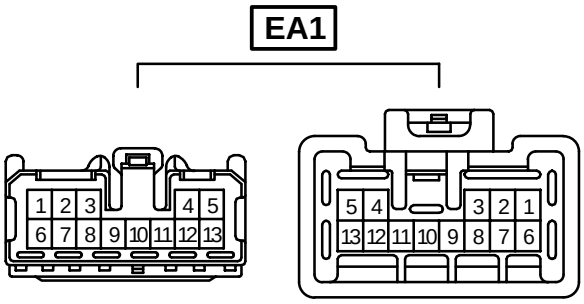

Floor No.2 Wire
Floor Wire
Front Seat LH Wire
Front Seat RH Wire

▭ : Location of Connector Joining Wire Harness and Wire Harness
▽ : Location of Ground Points

[RHD : 2AZ–FSE, 1AZ–FSE]



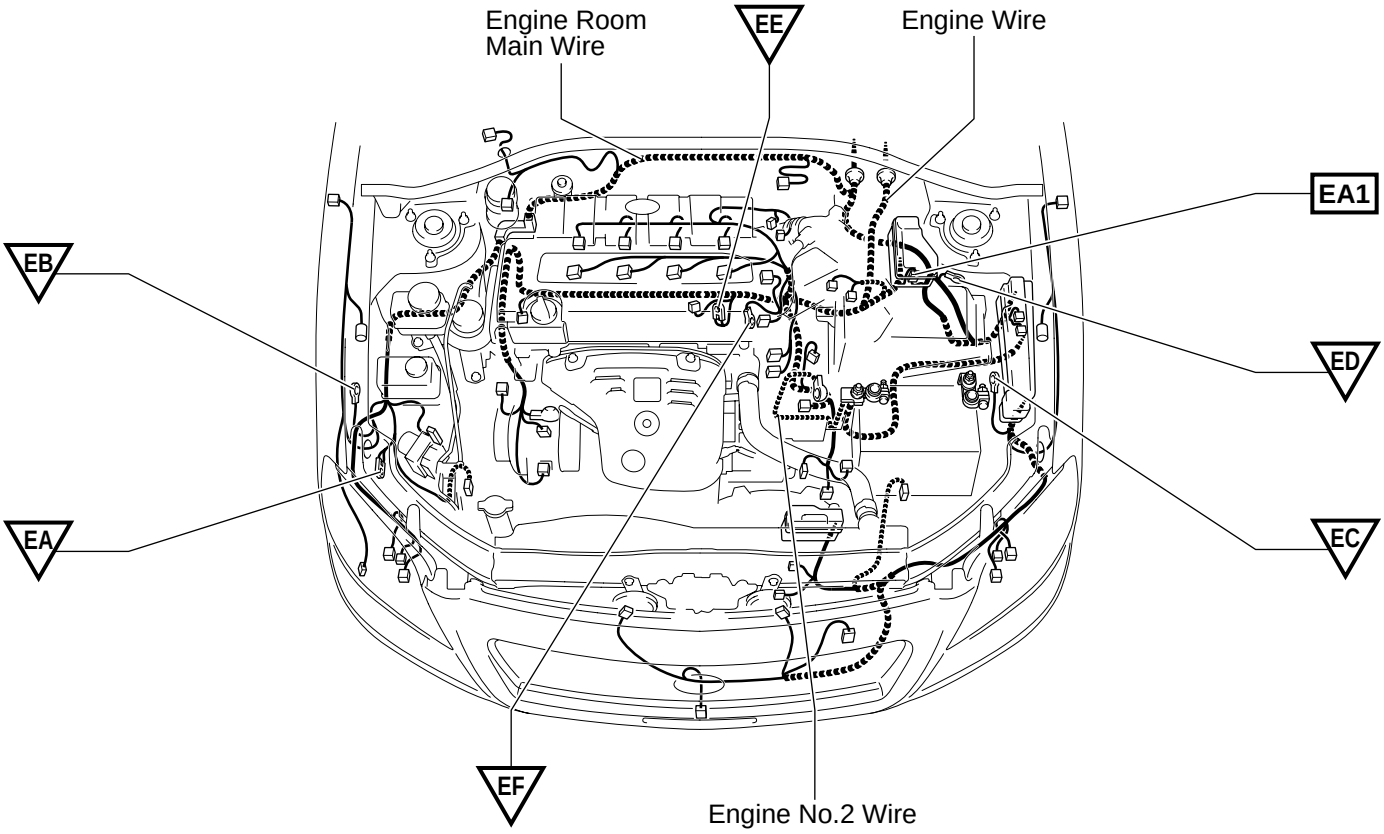
Connector Joining Wire Harness and Wire Harness



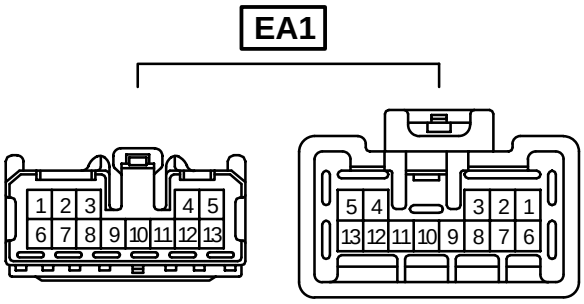
Code	Joining Wire Harness and Wire Harness (Connector Location)
EA1	Engine Wire and Engine Room Main Wire (Left Side of the Suspension Tower)

▭ : Location of Connector Joining Wire Harness and Wire Harness
▽ : Location of Ground Points

[RHD : 1AZ–FE]



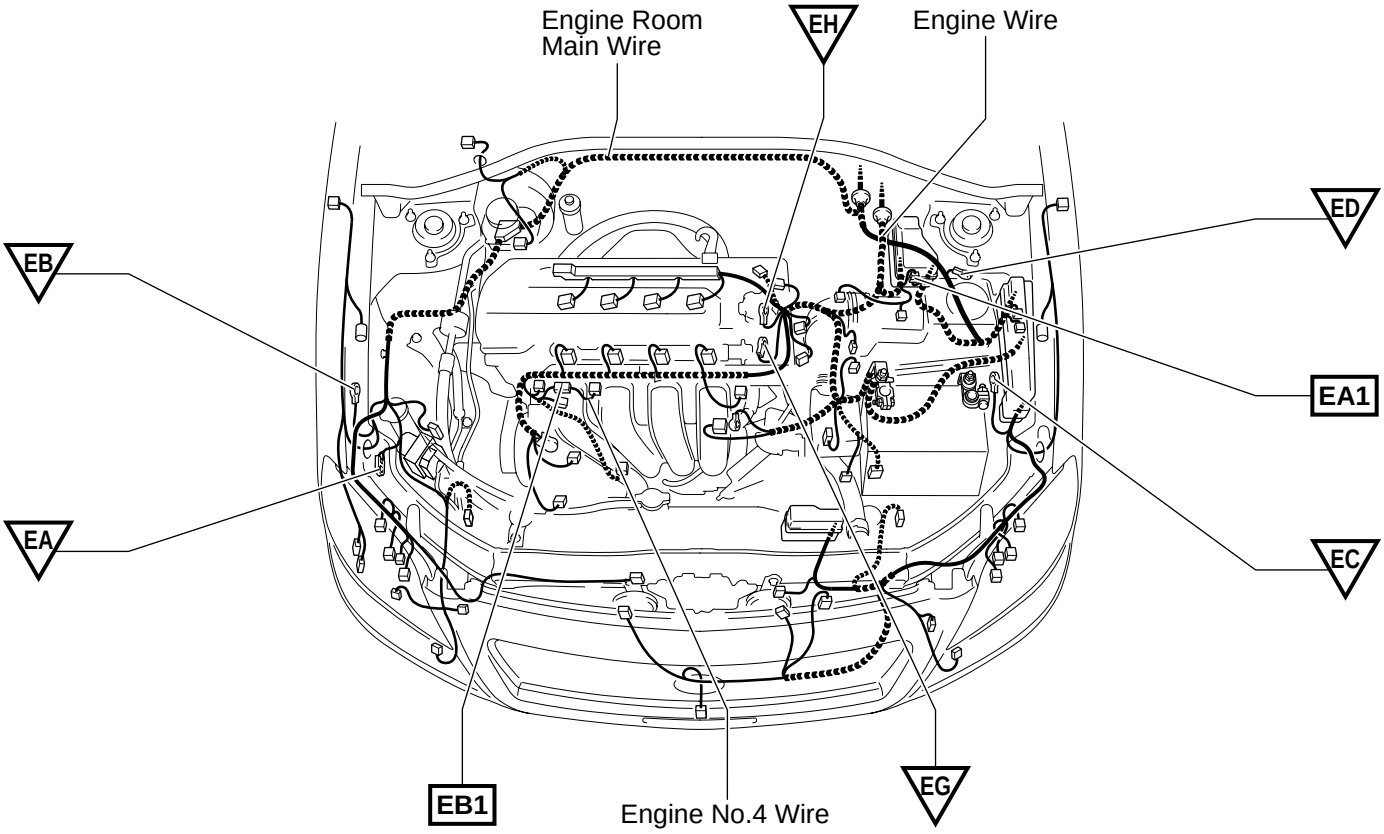
Connector Joining Wire Harness and Wire Harness



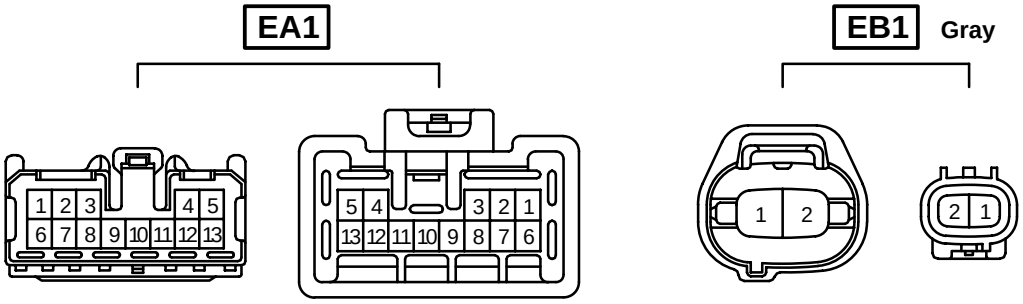
Code	Joining Wire Harness and Wire Harness (Connector Location)
EA1	Engine Wire and Engine Room Main Wire (Left Side of the Suspension Tower)

▭ : Location of Connector Joining Wire Harness and Wire Harness
▽ : Location of Ground Points

[RHD : 1ZZ–FE, 3ZZ–FE]



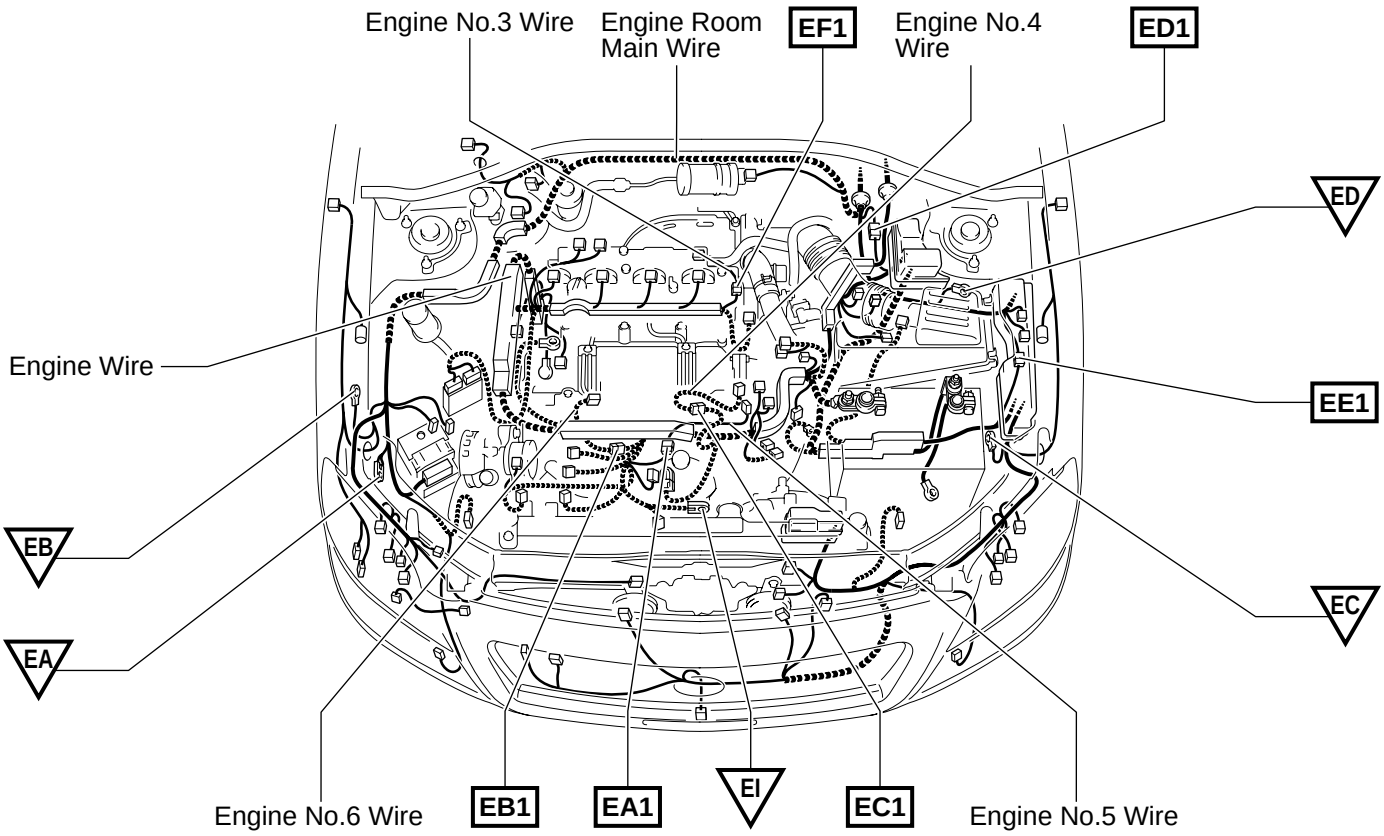
Connector Joining Wire Harness and Wire Harness



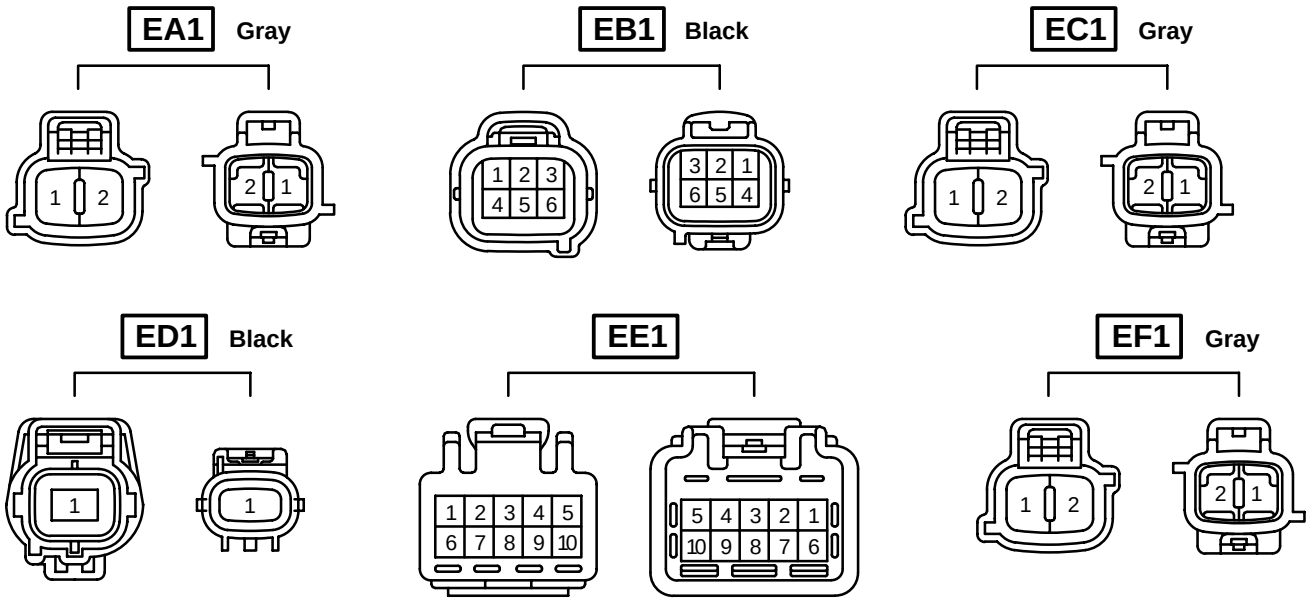
Code	Joining Wire Harness and Wire Harness (Connector Location)
EA1	Engine Wire and Engine Room Main Wire (Left Side of the Suspension Tower)
EB1	Engine Wire and Engine No.4 Wire (Near the Alternator)

▭ : Location of Connector Joining Wire Harness and Wire Harness
▽ : Location of Ground Points

[RHD : 1CD–FTV]



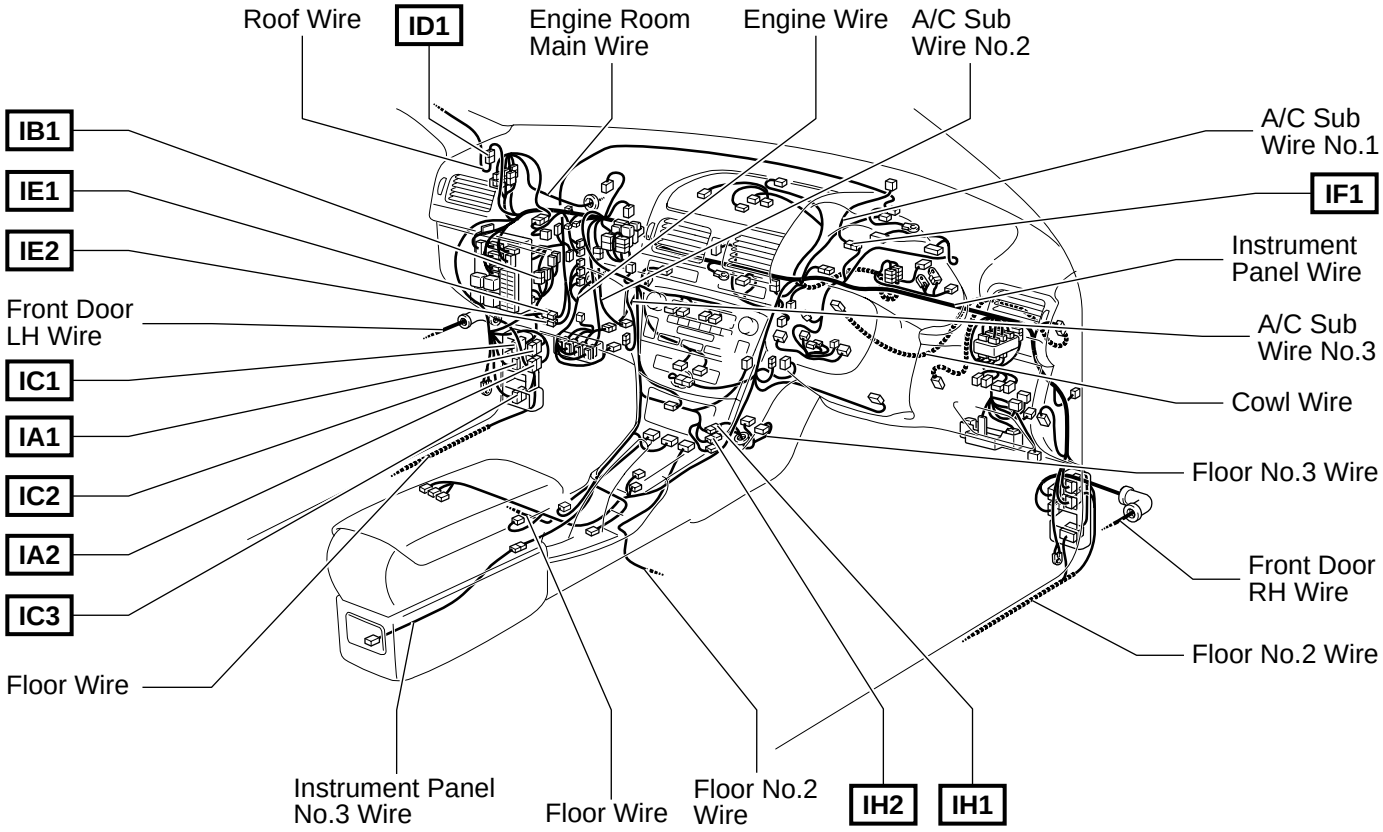
Connector Joining Wire Harness and Wire Harness



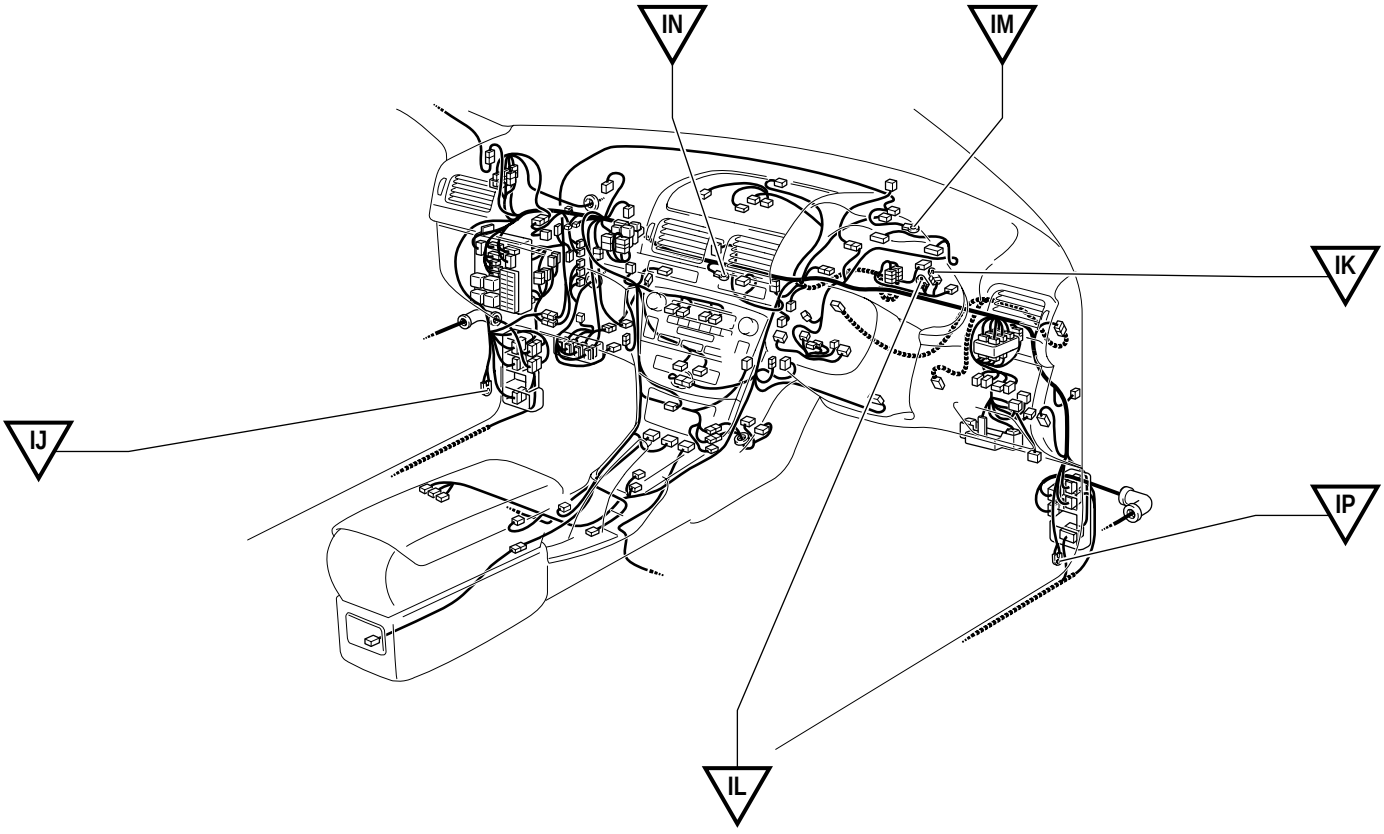
Code	Joining Wire Harness and Wire Harness (Connector Location)
EA1	Engine Wire and Engine No.5 Wire (Near the Starter)
EB1	Engine Wire and Engine No.6 Wire (Near the Starter)
EC1	Engine Wire and Engine No.4 Wire (Near the Starter)
ED1	Engine Wire and Engine Room Main Wire (Left Side of the Suspension Tower)
EE1	Engine Wire and Engine Room Main Wire (Engine Compartment Left)
EF1	Engine Wire and Engine No.3 Wire (Left Side of Cylinder Head)

▭ : Location of Connector Joining Wire Harness and Wire Harness

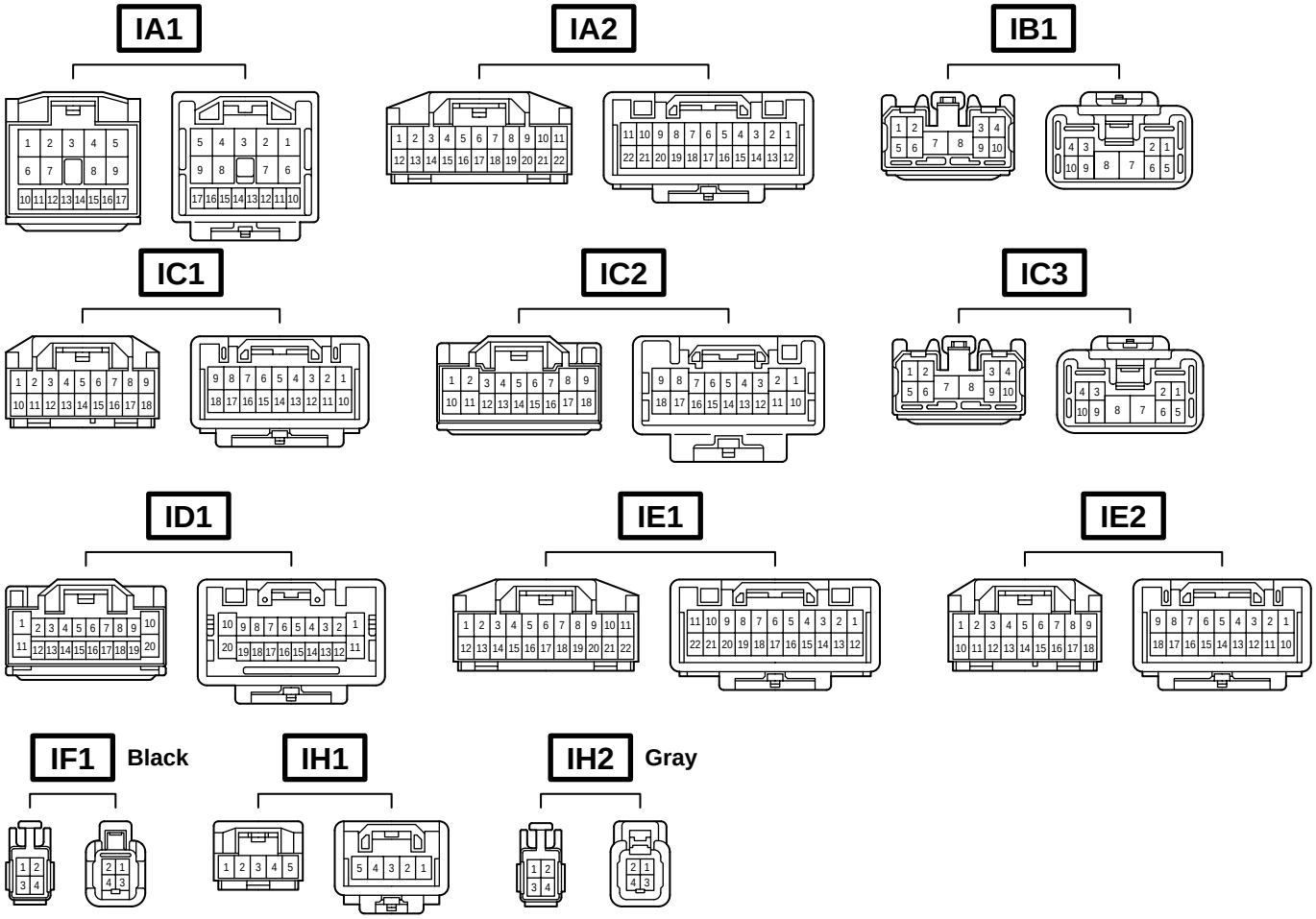
[RHD]



▽ : Location of Ground Points



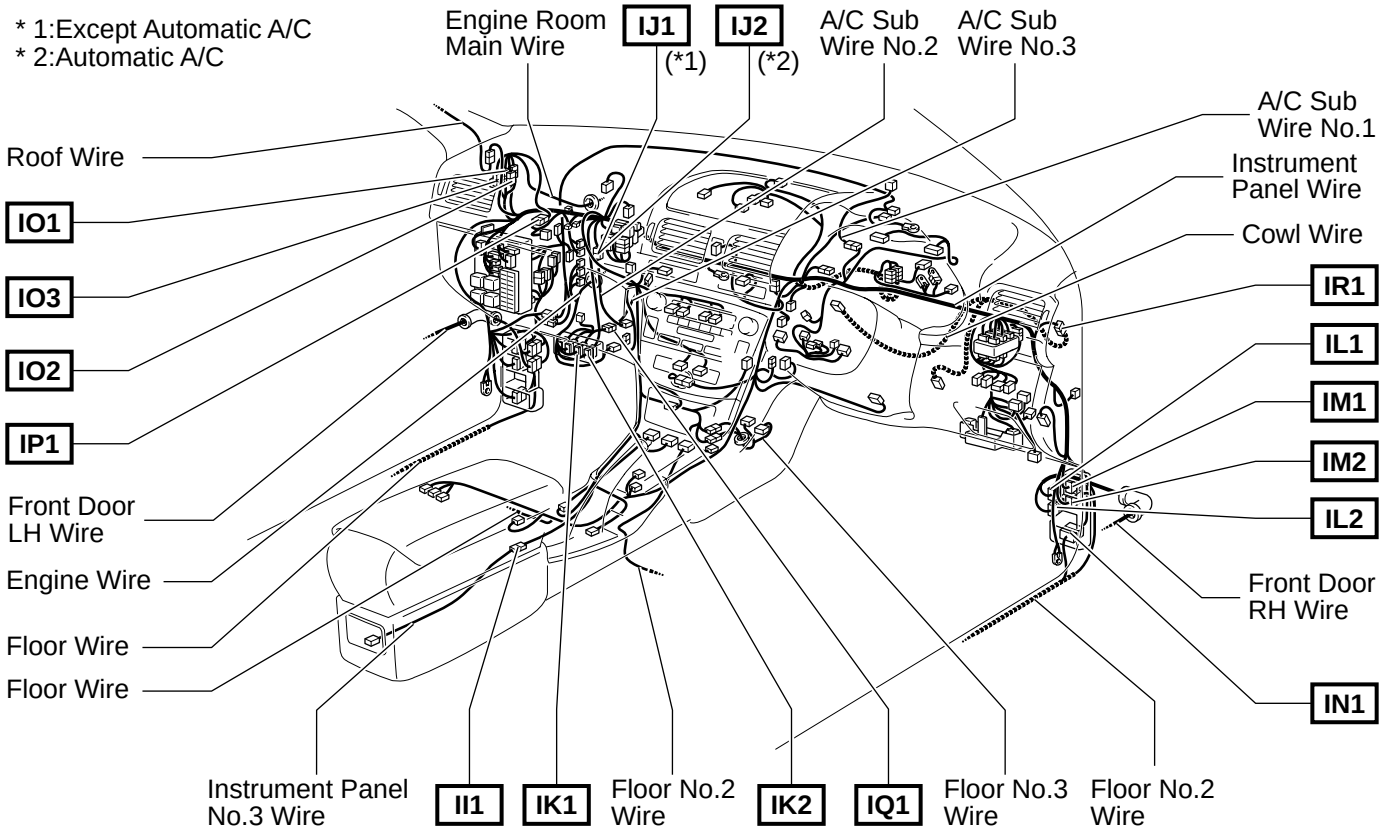
Connector Joining Wire Harness and Wire Harness



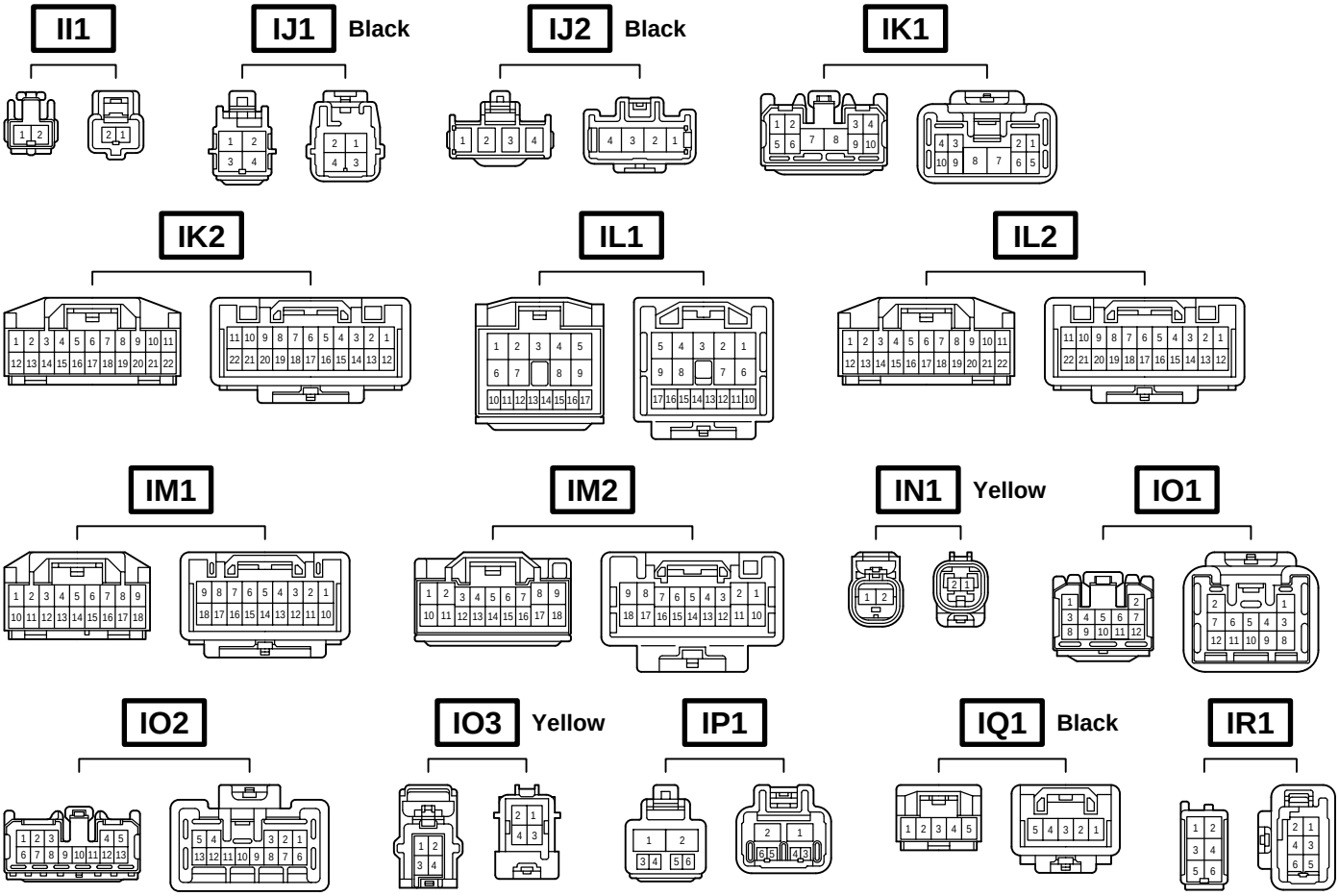
Code	Joining Wire Harness and Wire Harness (Connector Location)
IA1	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
IA2	
IB1	Engine Room Main Wire and Floor Wire (Near the Driver Side J/B)
IC1	Instrument Panel Wire and Floor Wire (Left Kick Panel)
IC2	
IC3	
ID1	Instrument Panel Wire and Roof Wire (Left Side of the Instrument Panel)
IE1	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)
IE2	
IF1	Instrument Panel Wire and A/C Sub Wire No.1 (Right Side of the Combination Meter)
IH1	Floor No.3 Wire and Instrument Panel Wire (Instrument Panel Brace RH)
IH2	

▭ : Location of Connector Joining Wire Harness and Wire Harness

[RHD]



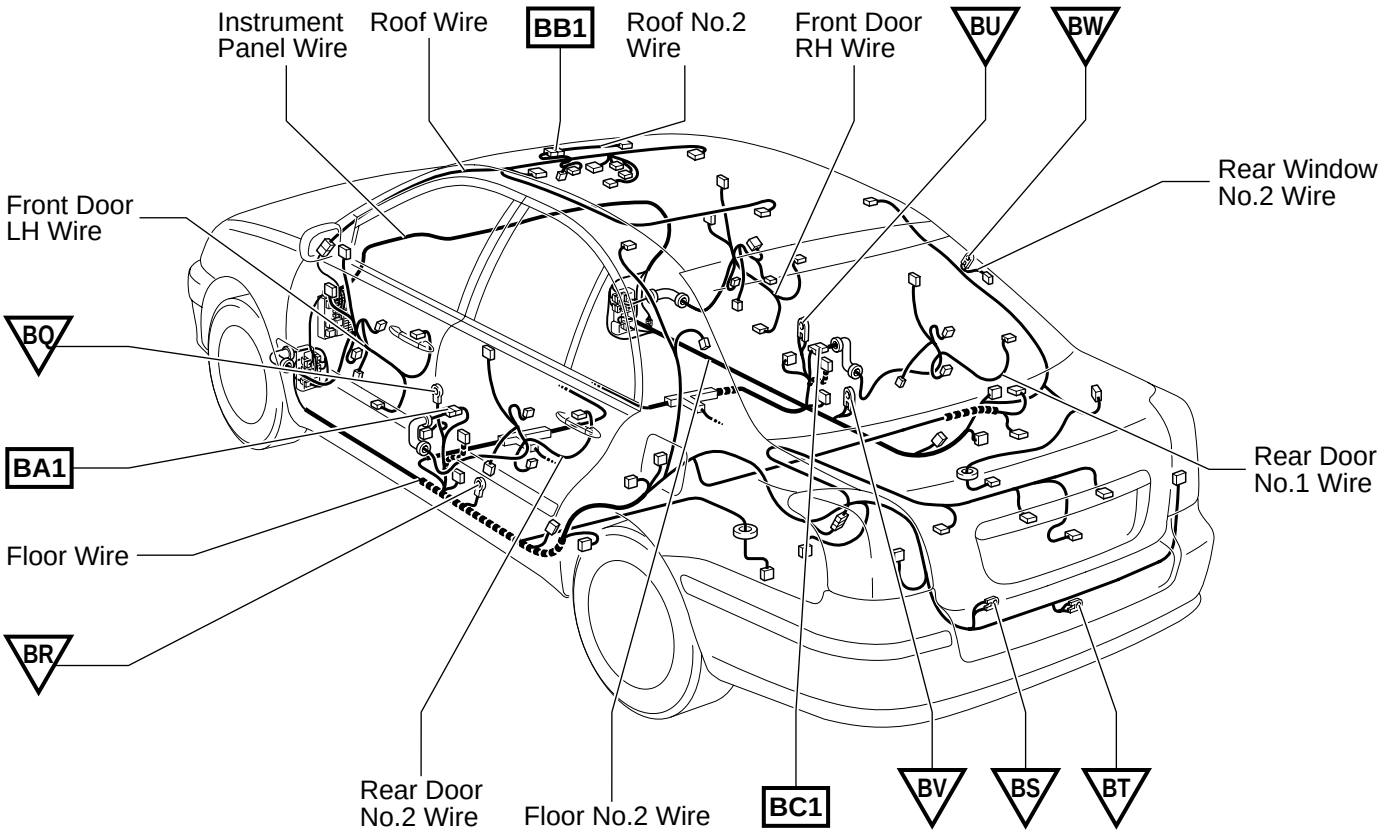
Connector Joining Wire Harness and Wire Harness



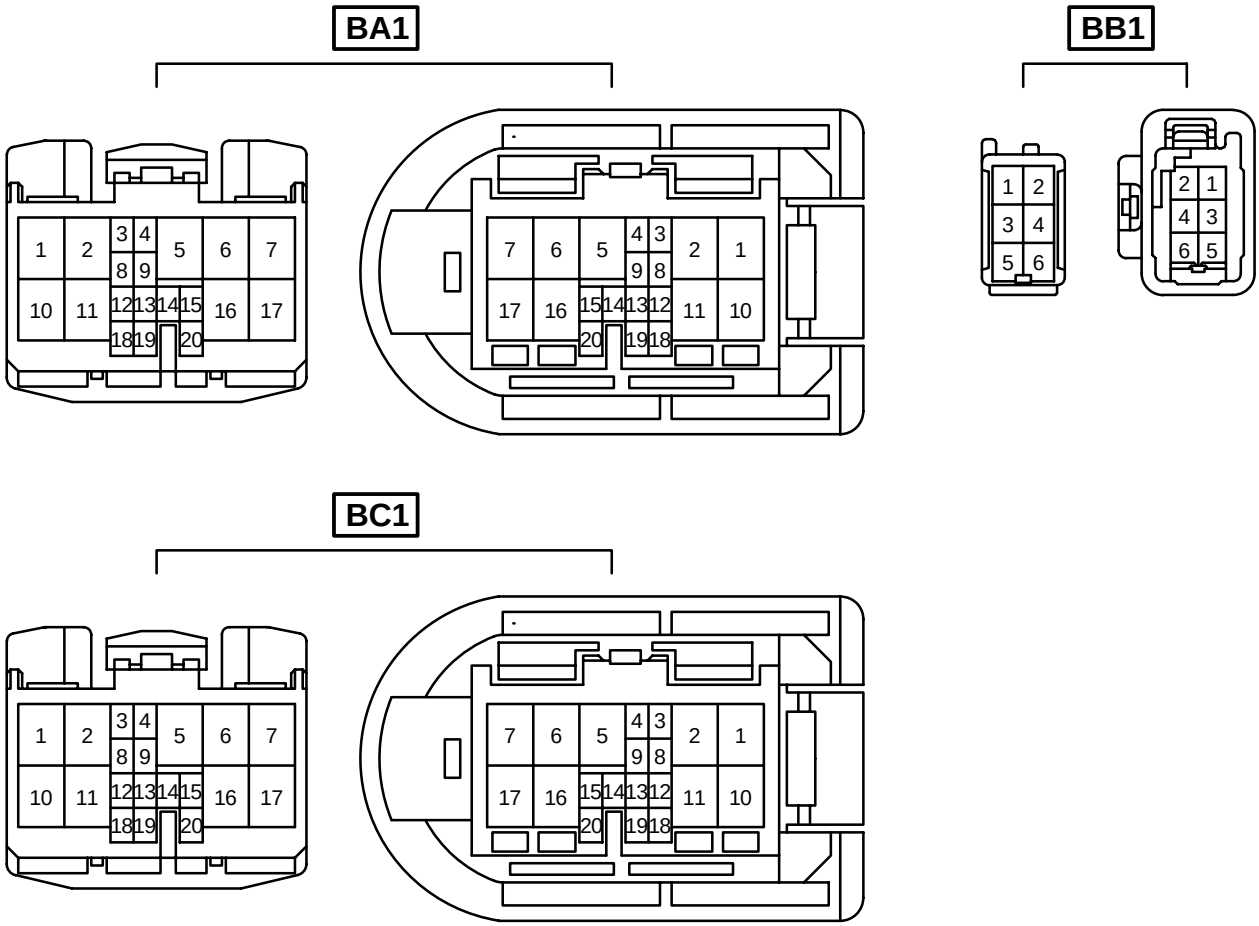
Code	Joining Wire Harness and Wire Harness (Connector Location)
II1	Instrument Panel Wire and Instrument Panel No.3 Wire (Under the Console Box)
IJ1	Instrument Panel Wire and A/C Sub Wire No.2 (Right Side of the A/C Unit)
IJ2	
IK1	Engine Wire and Instrument Panel Wire (Behind the Glove Box)
IK2	
IL1	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
IL2	
IM1	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)
IM2	
IN1	Floor No.2 Wire and Instrument Panel Wire (Right Kick Panel)
IO1	Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel)
IO2	
IO3	
IP1	Engine Room Main Wire and Instrument Panel Wire (Instrument Panel Reinforcement LH)
IQ1	Instrument Panel Wire and A/C Sub Wire No.3 (Behind the Glove Box)
IR1	Instrument Panel Wire and Cowl Wire (Right Side of the Instrument Panel)

▭ : Location of Connector Joining Wire Harness and Wire Harness
▽ : Location of Ground Points

[RHD : S/D]



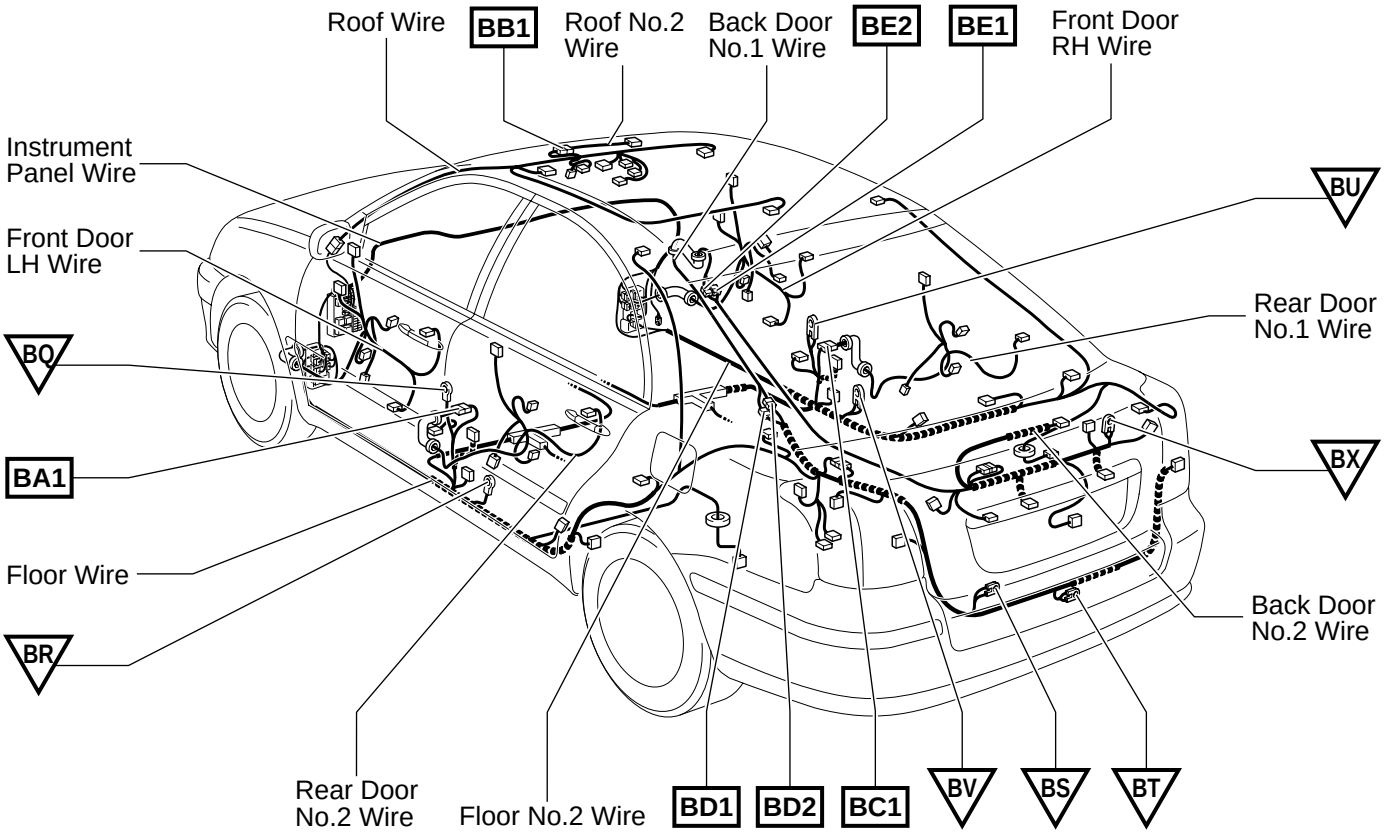
Connector Joining Wire Harness and Wire Harness



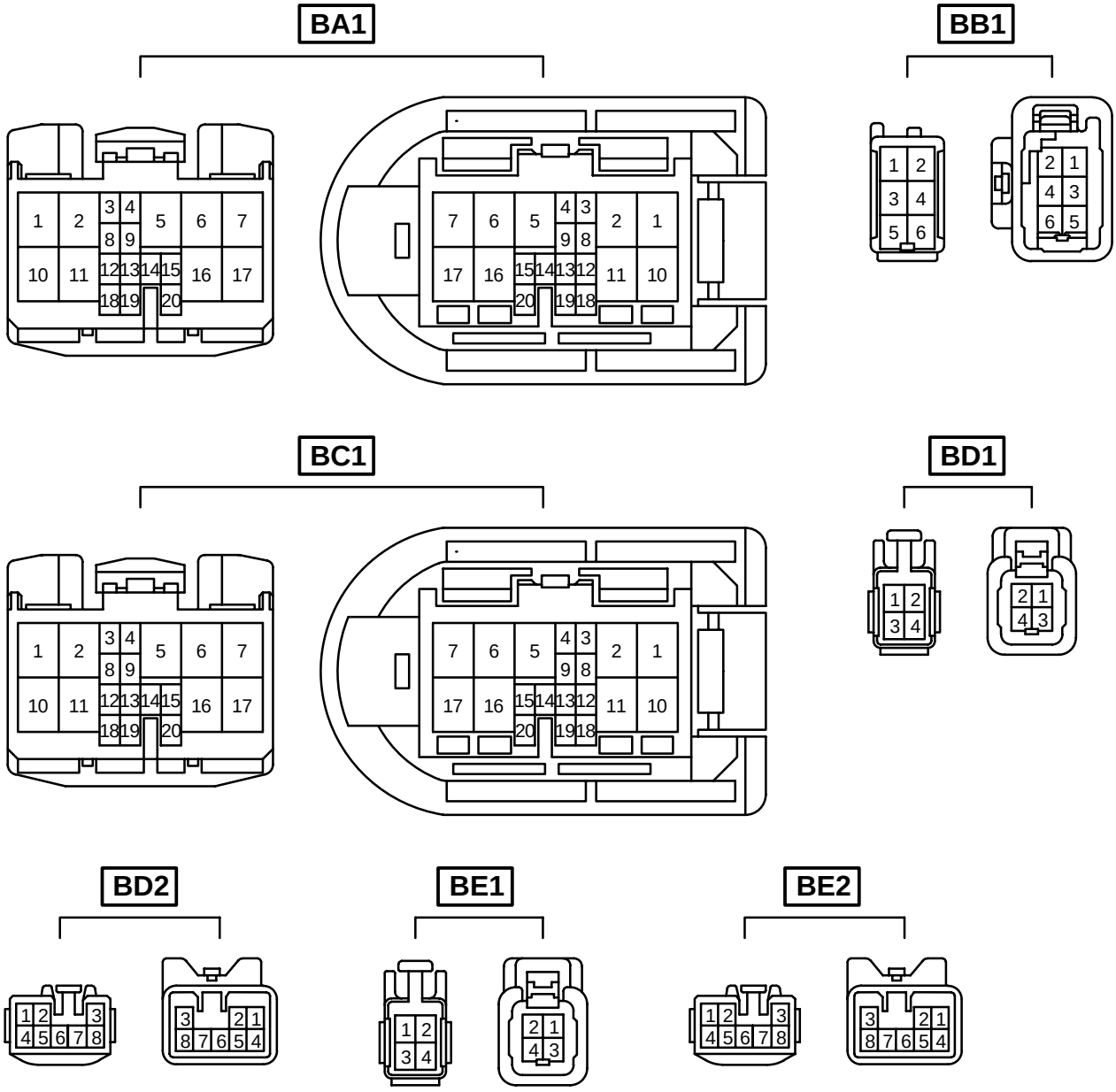
Code	Joining Wire Harness and Wire Harness (Connector Location)
BA1	Rear Door No.2 Wire and Floor Wire (Under the Left Center Pillar)
BB1	Roof Wire and Roof No.2 Wire (Near the Personal Light)
BC1	Rear Door No.1 Wire and Floor No.2 Wire (Under the Right Center Pillar)

▭ : Location of Connector Joining Wire Harness and Wire Harness
▽ : Location of Ground Points

[RHD : L/B]



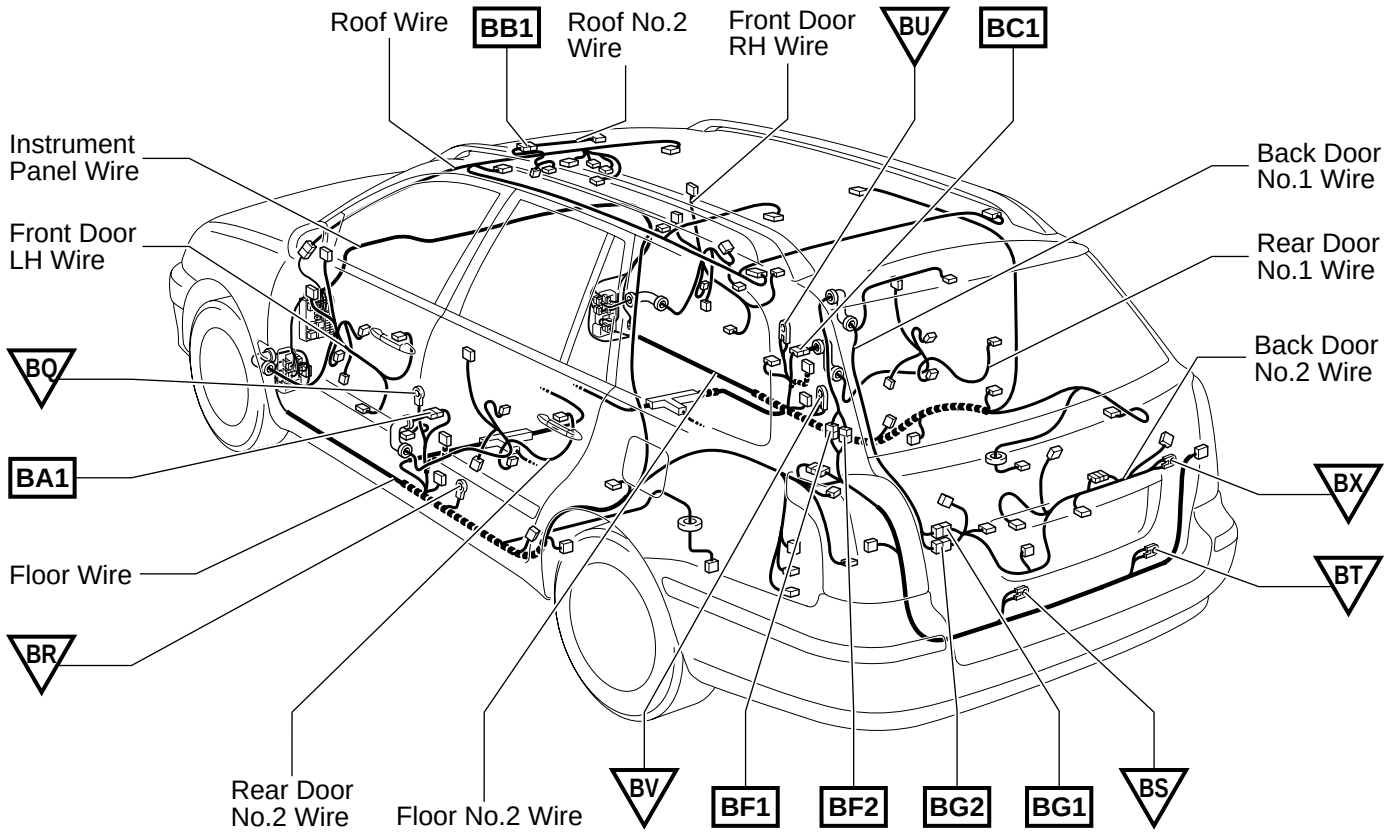
Connector Joining Wire Harness and Wire Harness



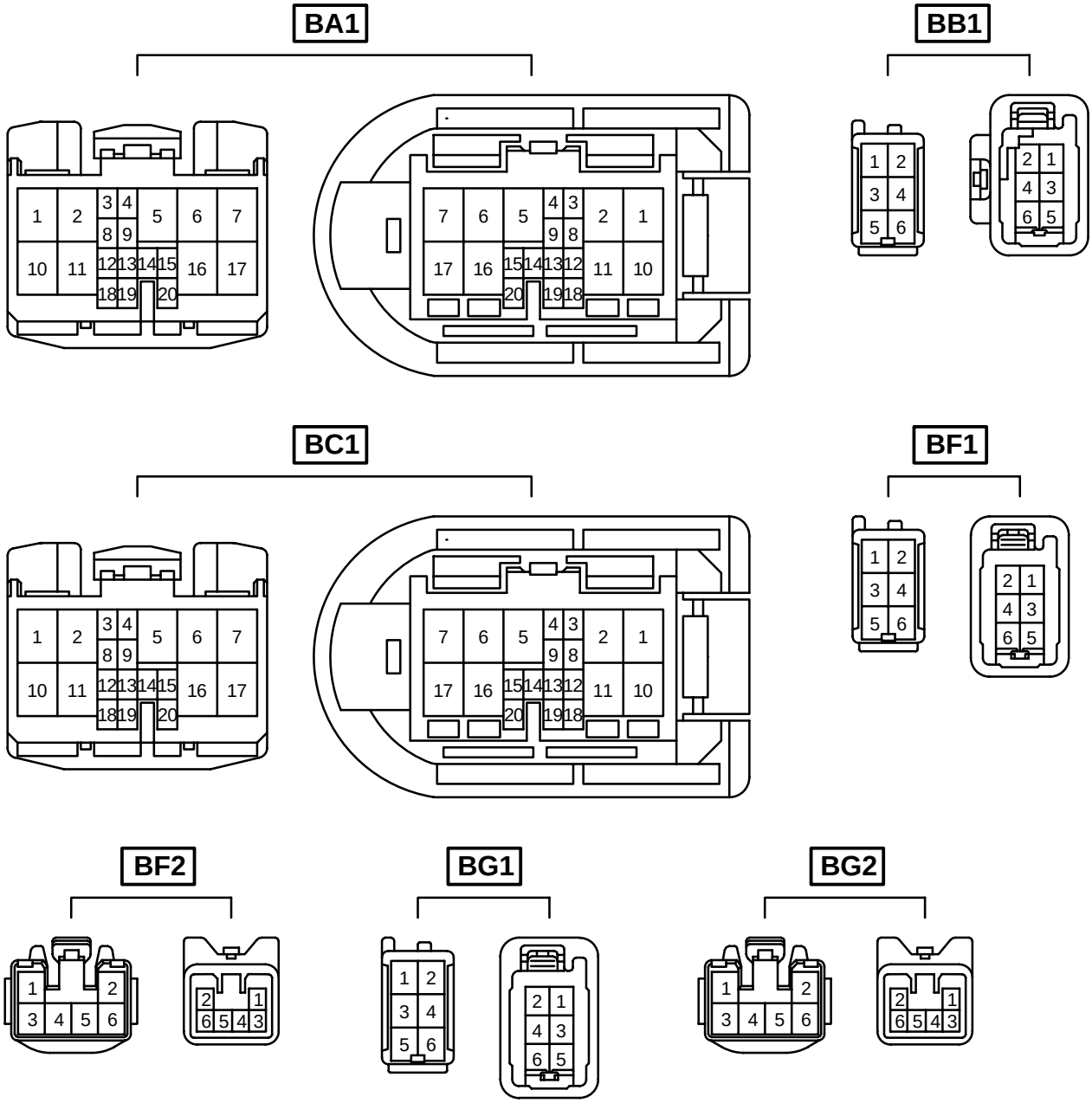
Code	Joining Wire Harness and Wire Harness (Connector Location)
BA1	Rear Door No.2 Wire and Floor Wire (Under the Left Center Pillar)
BB1	Roof Wire and Roof No.2 Wire (Near the Personal Light)
BC1	Rear Door No.1 Wire and Floor No.2 Wire (Under the Right Center Pillar)
BD1	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
BD2	
BE1	Back Door No.2 Wire and Back Door No.1 Wire (Back Door Upper Left)
BE2	

▭ : Location of Connector Joining Wire Harness and Wire Harness
▽ : Location of Ground Points

[RHD : W/G]

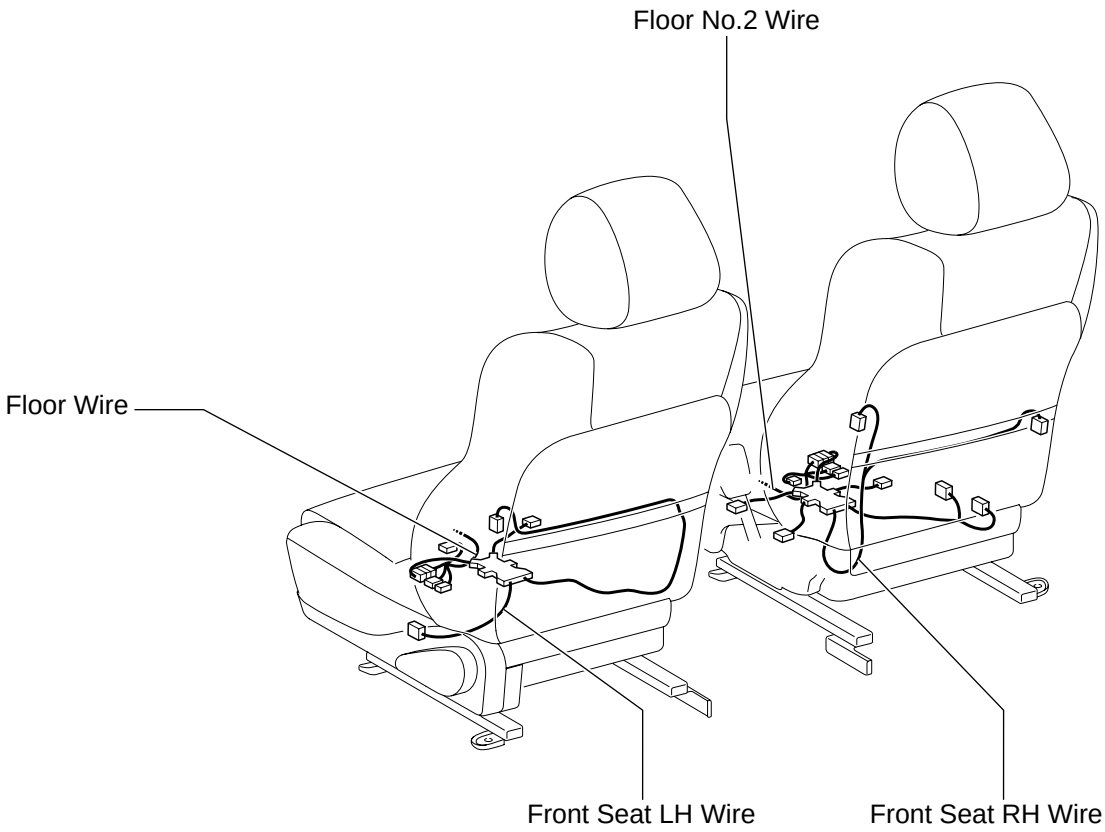


Connector Joining Wire Harness and Wire Harness



Code	Joining Wire Harness and Wire Harness (Connector Location)
BA1	Rear Door No.2 Wire and Floor Wire (Under the Left Center Pillar)
BB1	Roof Wire and Roof No.2 Wire (Near the Personal Light)
BC1	Rear Door No.1 Wire and Floor No.2 Wire (Under the Right Center Pillar)
BF1	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
BF2	
BG1	Back Door No.1 Wire and Back Door No.2 Wire (Back Door Left)
BG2	

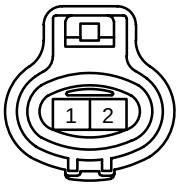
[RHD]


Floor No.2 Wire
Floor Wire
Front Seat LH Wire
Front Seat RH Wire

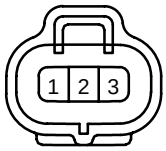
F CONNECTOR LIST

A 1
Gray

A 2
Black



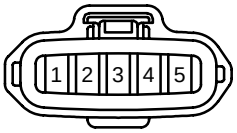
A 3
Black



A 4

A 5

A 6
Black



A 7
Gray

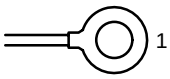
A 8
Gray

A 9
Yellow

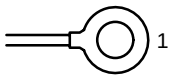
A10
Yellow

A11
Black

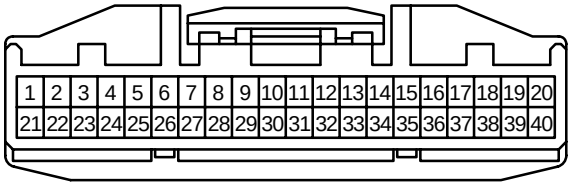
A12
(Except 1CD–FTV)



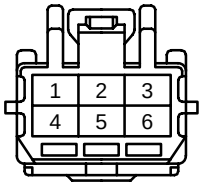
A12
(1CD–FTV)



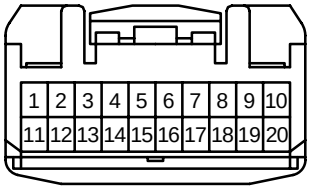
A13



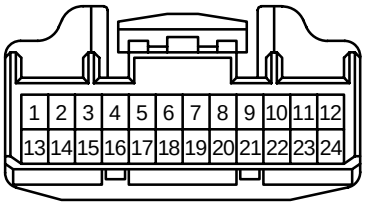
A14



A15



A16



A17
Black

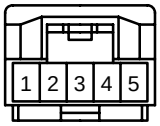
A18
Black

A19

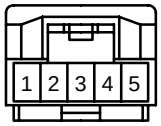
A20
Black

A21
Black

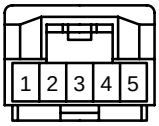
A22
Black



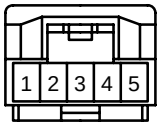
A23
Black



A24
Black

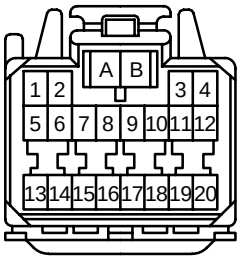


A25
Black

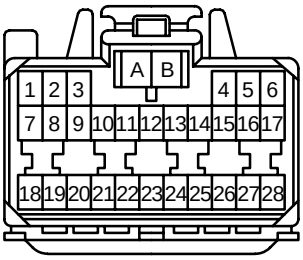


*1 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE

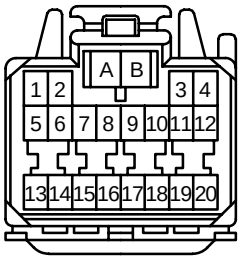
A26
Yellow



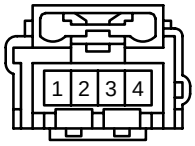
A27
Yellow



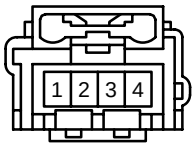
A28
Yellow



A29
Yellow



A30
Yellow

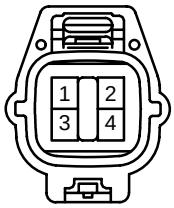


A31

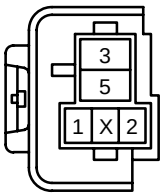
A32

A33

A34
Gray



A35

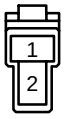


B 1
Gray

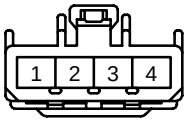
B 2
Black

B 3
Black

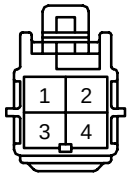
B 4



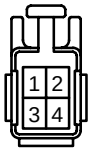
B 5
Black



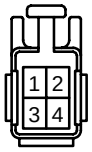
B 6
Black



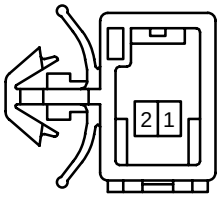
B 7
(L/B)



B 7
(W/G) Blue

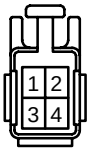


B 8



B 9
Gray

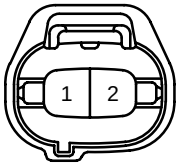
B10



C 1
Black

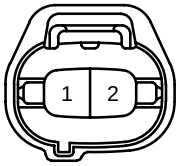
C 2
Black

C 3
Gray

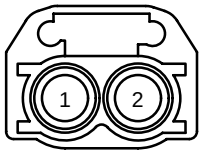


C 4

C 5
Black



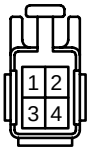
C 6
(1CD–FTV) Black



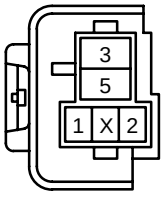
C 6
(1ZZ–FE, 3ZZ–FE) Black

C 6
(*1) Gray

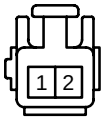
C 7
Black



C 8

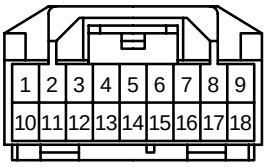


C 9

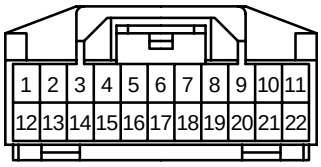


F CONNECTOR LIST

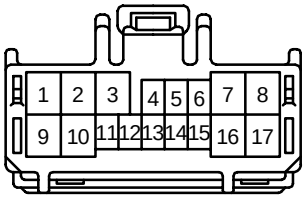
C10
Blue



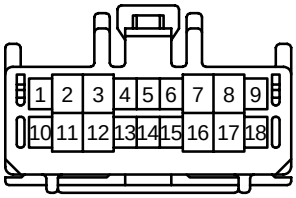
C11



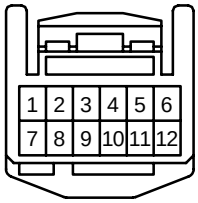
C12



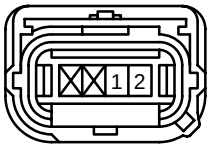
C13
Black



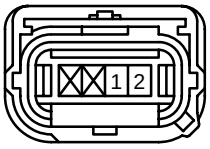
C14



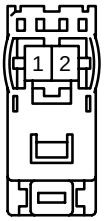
C15
Yellow



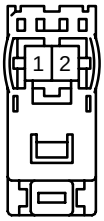
C16
Yellow



C17
Black

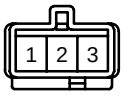


C18
Black



D 1
Black

D 2

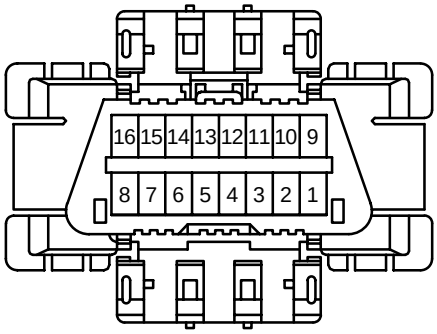


D 3
Black

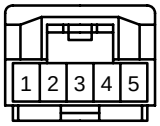
D 4
(Except 1CD–FTV)

D 4
(1CD–FTV)

D 5



D 6



D 7

D 8

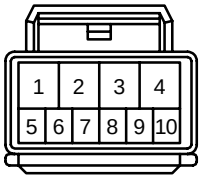
D 9

D10

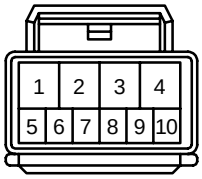
D11

D12

D13

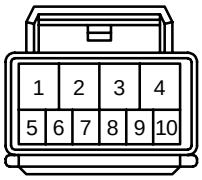


D14

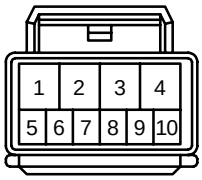


*2 : 2AZ–FSE, 1AZ–FSE

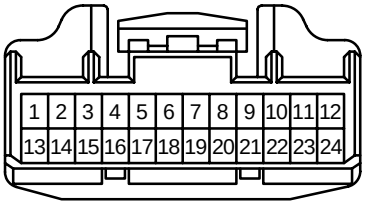
D15



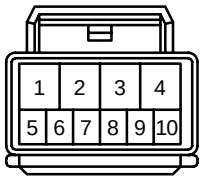
D16



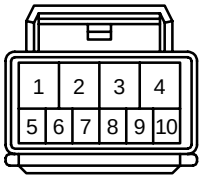
D17



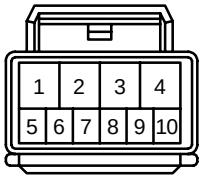
D18



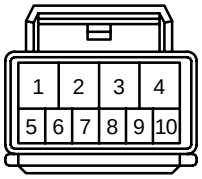
D19



D20

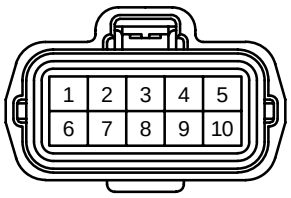


D21

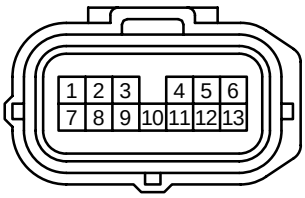


D22
Black

E 1
(Except 2AZ–FSE) Gray



E 1
(2AZ–FSE) Gray

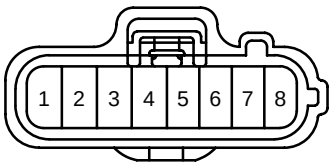


E 2
(Except 1AZ–FE) Gray

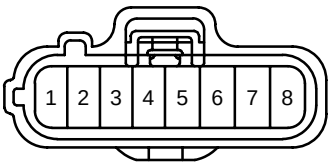
E 2
(1AZ–FE) Gray

E 3
Black

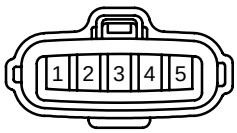
E 4
Black



E 5
(1CD–FTV) Dark Gray



E 5
(*2) Black

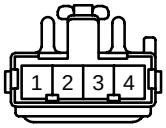


E 6
Black

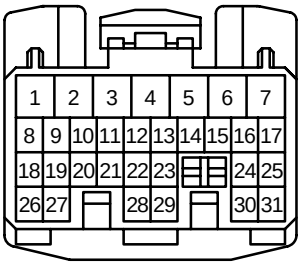
E 7
(1CD–FTV) Gray

E 7
(2AZ–FSE) Gray

E 8
Black



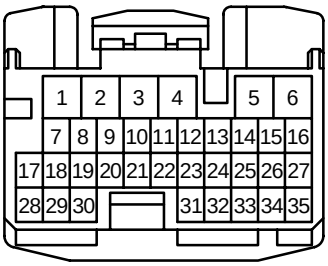
E 9



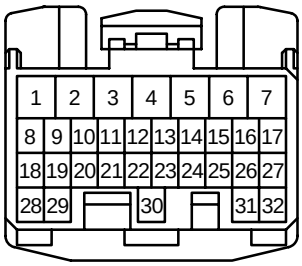
F CONNECTOR LIST

*2 : 2AZ–FSE, 1AZ–FSE

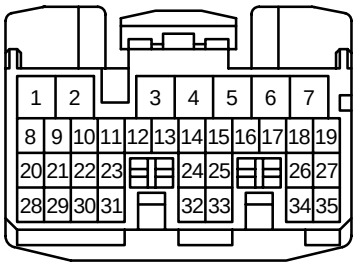
E10



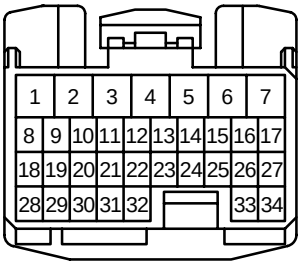
E11



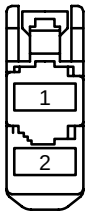
E12



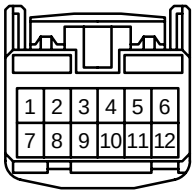
E13



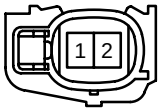
E14
Gray



E15



E16
Gray



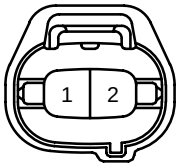
E17
Brown

E18
Black

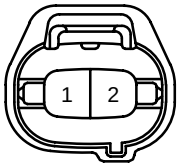
E19
Gray

E20
Dark Gray

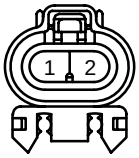
F 1
Black



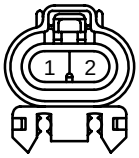
F 2
Black



F 3
Brown



F 4
Brown



F 5
Gray

F 6
Gray

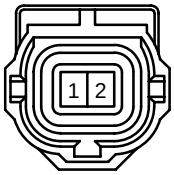
F 7

F 8

F 9

F10

F11
Black

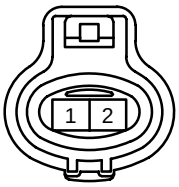


F12
Black

F13
Gray

F14
Gray

F15
Gray



F16
(1CD–FTV) Black

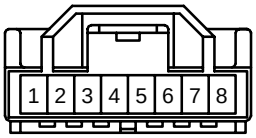
F16
(*2) Gray

F17
Black

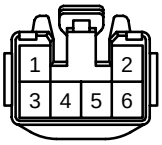
*2 : 2AZ–FSE, 1AZ–FSE

F18
Gray

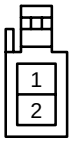
F19



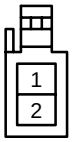
F20
Black



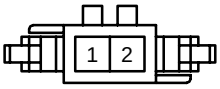
F21
Black



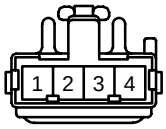
F22
Black



F23
Black



F24

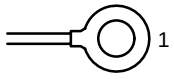


F25
Gray

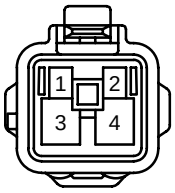
F26
Dark Gray

F27
Gray

G 1



G 2
Gray

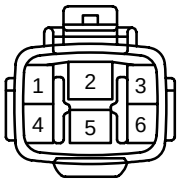


G 3
Black

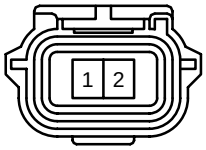
H 1
Gray

H 2
Gray

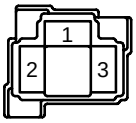
H 3
Black



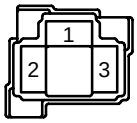
H 4
Black



H 5



H 6



H 7
(1ZZ–FE, 3ZZ–FE) Gray

H 7
(*2) Gray

H 8
Black

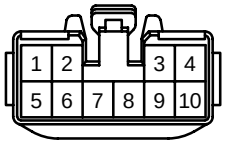
H 9
Gray

H10
Black

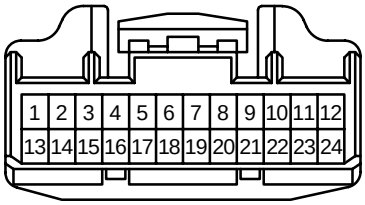
H11
Black

H12
Black

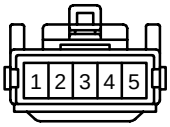
H13
Black



H14

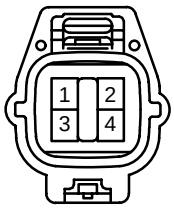


H15



H16
Black

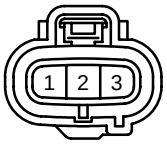
H17
Gray



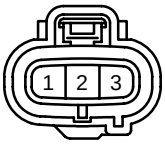
F CONNECTOR LIST

*2 : 2AZ–FSE, 1AZ–FSE
*3 : Except 2AZ–FSE, 1AZ–FSE

H18
Black

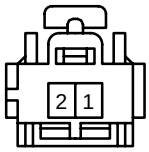


H19
Black



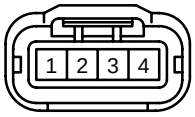
H20
(L/B)

H20
(S/D) Gray

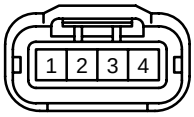


H20
(W/G) Black

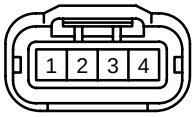
I 1
Black



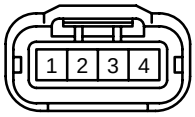
I 2
Gray



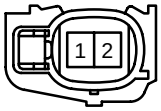
I 3
Black



I 4
Gray

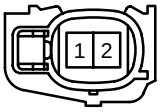


I 5
(*3) Black



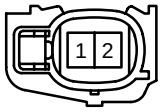
I 5
(*2) Black

I 6
(*3) Gray



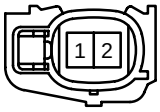
I 6
(*2) Gray

I 7
(*3) Black



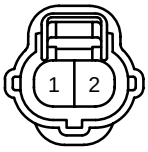
I 7
(*2) Black

I 8
(*3) Gray



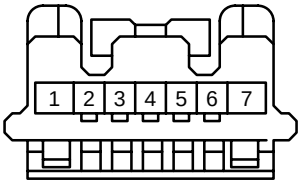
I 8
(*2) Gray

I 9
Gray

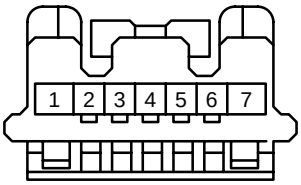


I10
Black

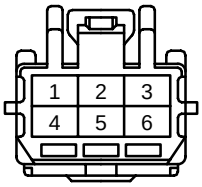
I11
Black



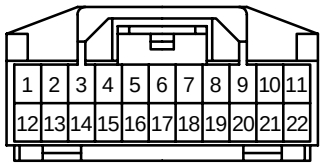
I12
Black



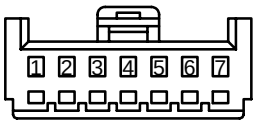
I13



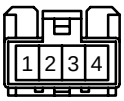
I14



I15
Black



I16



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I18
Black

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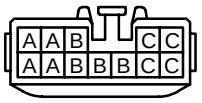
Gray



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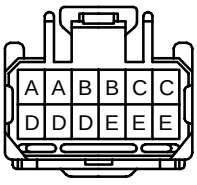
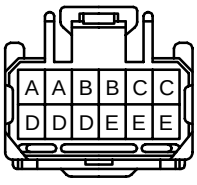
Black

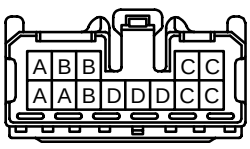
J 3



J 4



J 5



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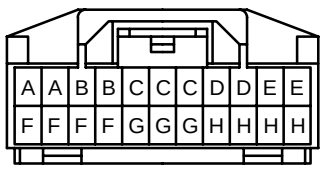

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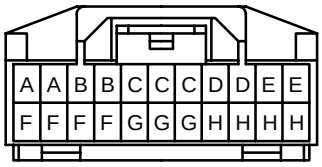

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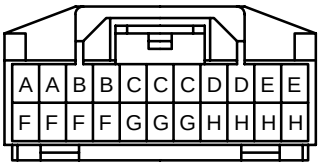

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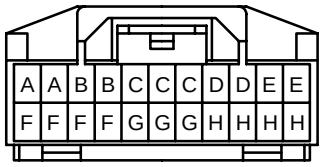

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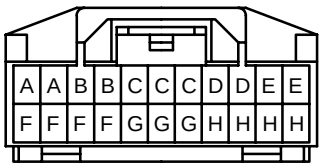

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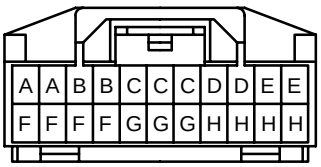

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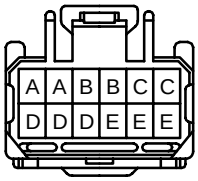

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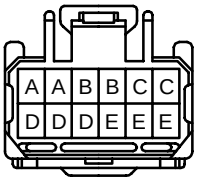

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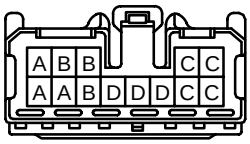

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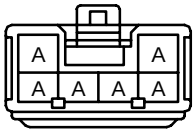

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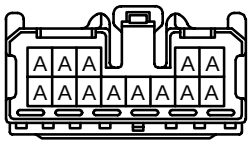
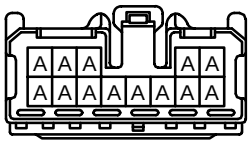


J17



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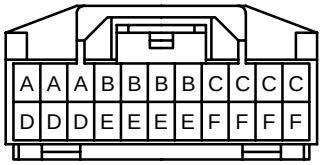

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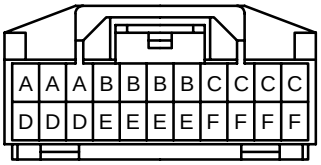

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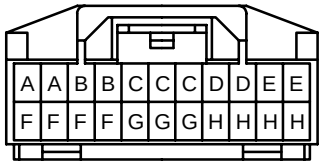

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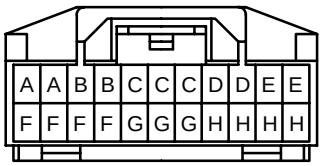

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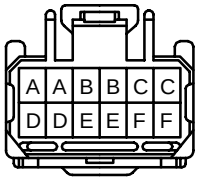

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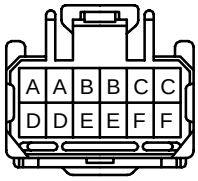

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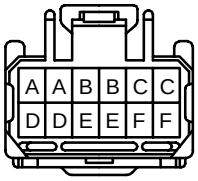

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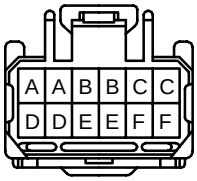

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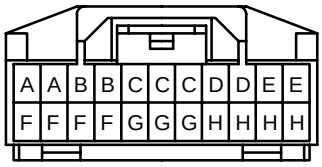

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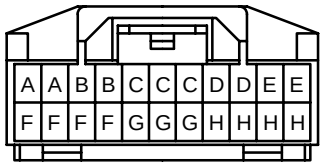

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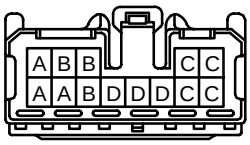

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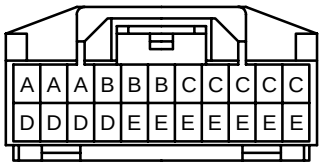

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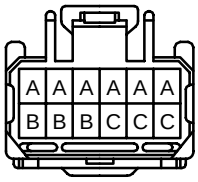

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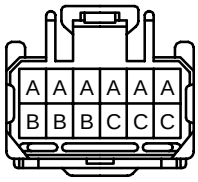
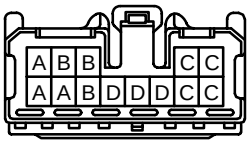


F CONNECTOR LIST

*4 : w/ Navigation System (Map Type)
*5 : w/o Navigation System (Map Type)

J32



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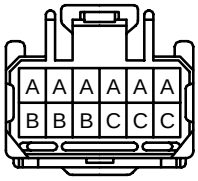

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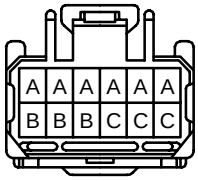

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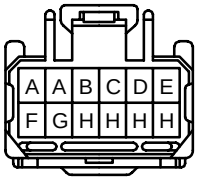

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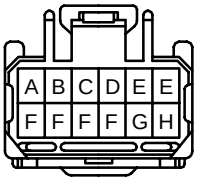

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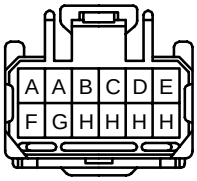

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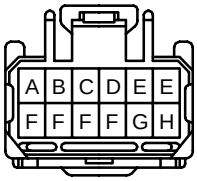
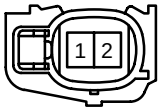
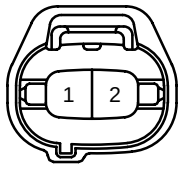


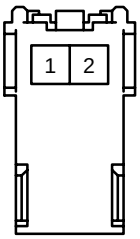
K 1
Black



K 2
Black



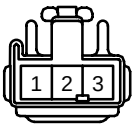
K 3
Yellow



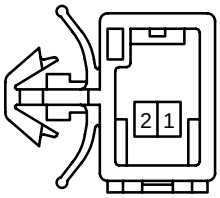
L 1
Black

L 2
Black

L 3
Black

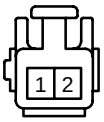


L 4

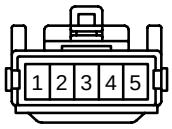


L 5

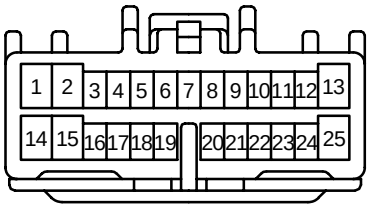
L 6



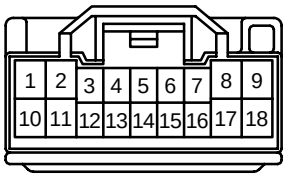
L 7



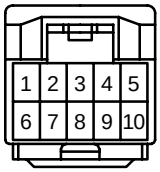
M 1
(*4)



M 1
(*5)



M 2
(*4)



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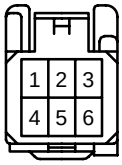
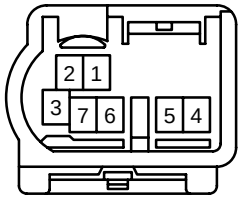
(*5)

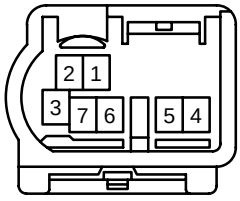


M 3

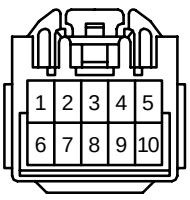
M 4



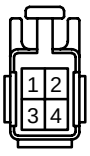
M 5



M 6
Gray



M 7



N 1
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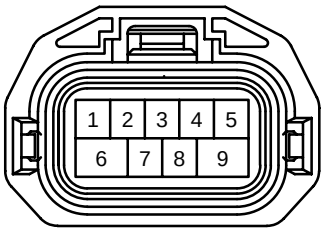
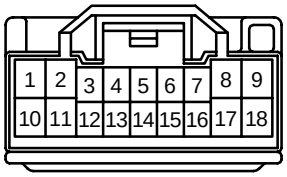


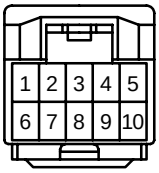
N 2
Gray

*6 : Power Heater (Combustion Type)
*7 : Power Heater (Hot Gas Type)

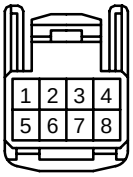
N 3



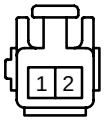
N 4



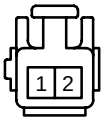
N 5



N 6

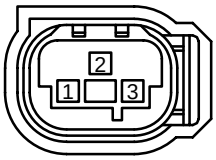


N 7



N 8

O 1
Black



O 2
Gray

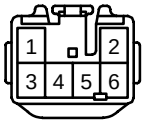
P 1
Black

P 2
Black

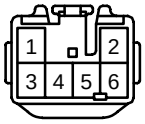
P 3
Gray

P 4
Black

P 5
(*6) Gray

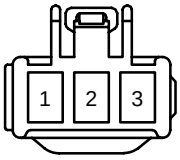


P 5
(*7)

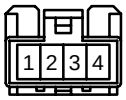


P 6
Black

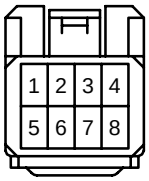
P 7



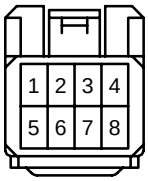
P 8



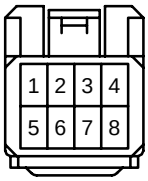
P 9



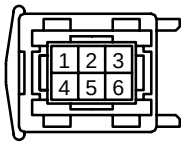
P10



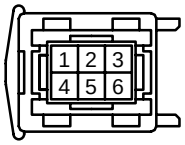
P11



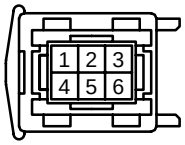
P12
Gray



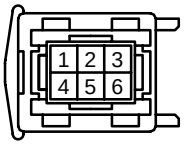
P13
Gray



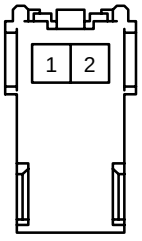
P14
Gray



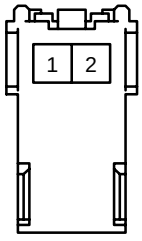
P15
Gray



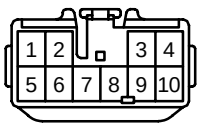
P16
Yellow



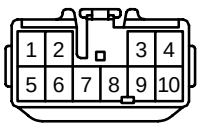
P17
Yellow



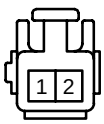
P18
Black



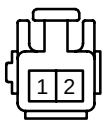
P19
Black



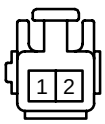
P20



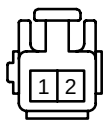
P21
Black



P22

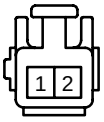


P23
Blue

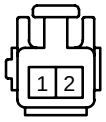


F CONNECTOR LIST

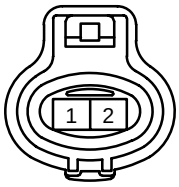
P24



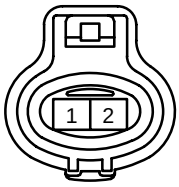
P25
Blue



R 1
Gray

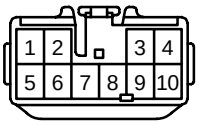


R 2
Black



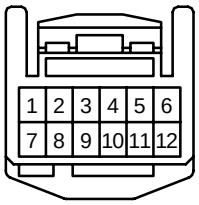
R 3
Red

R 4

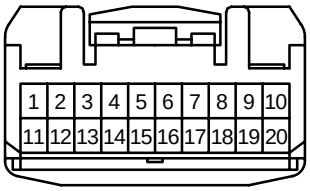


R 5

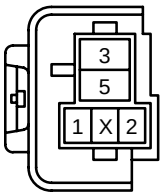
R 6



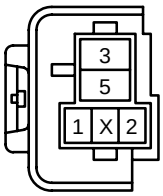
R 7



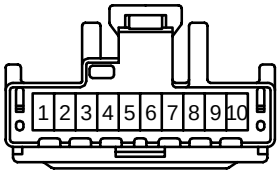
R 8



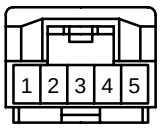
R 9



R10

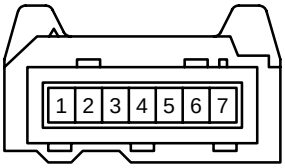


R11

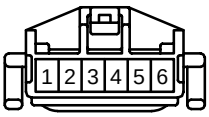


R12
Black

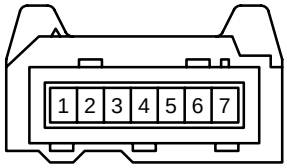
R13
(Except W/G) Black



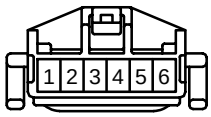
R13
(W/G)



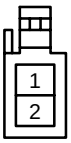
R14
(Except W/G) Black



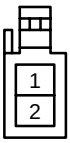
R14
(W/G)



R15
Black



R16
Black



R17

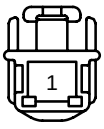
R18
(L/B)

R18
(S/D, W/G)

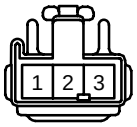
R19
(L/B)

R19
(S/D)

R19
(W/G)



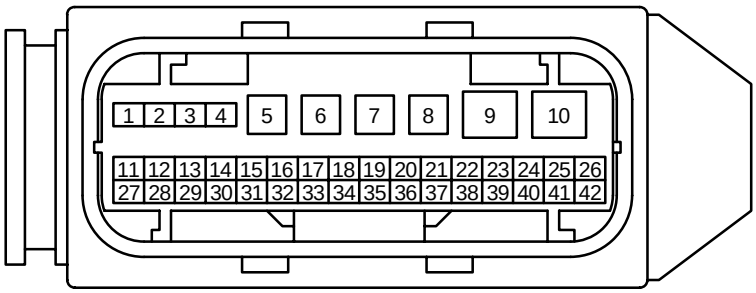
R20
Black



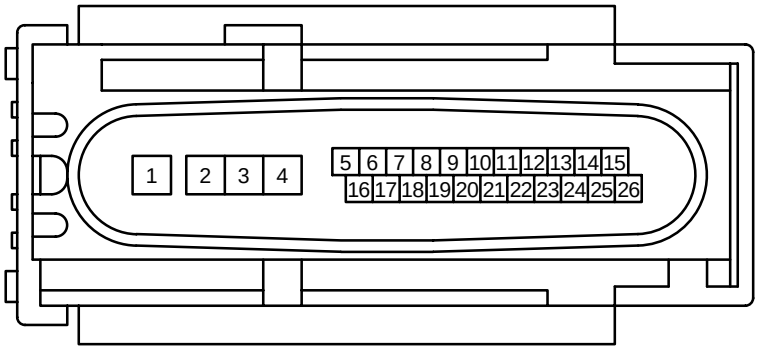
R21
Black

*1 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
*8 : 1AZ–FE, 1ZZ–FE, 3ZZ–FE
*9 : 2AZ–FSE, 1AZ–FSE, 1CD–FTV
*10 : w/ Curtain Shield Airbag
*11 : w/o Curtain Shield Airbag

S 1
Black



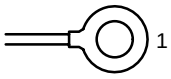
S 2
Black



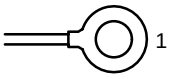
S 3
Gray

S 4
Black

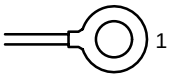
S 5
(1CD–FTV)



S 5
(1ZZ–FE, 3ZZ–FE)

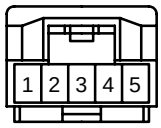


S 5
(*1)



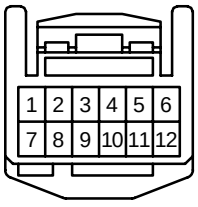
S 6
Gray

S 7
Black



S 8
Black

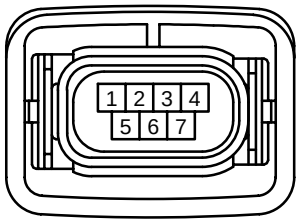
S 9



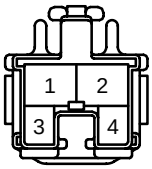
S10
Black

S11
Black

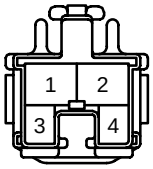
S12
Black



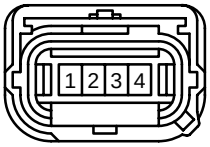
S13
(*8) Black



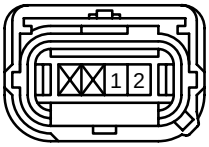
S13
(*9)



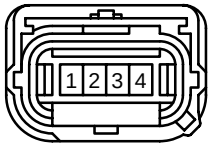
S14
(*10) Yellow



S14
(*11) Yellow



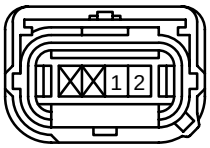
S15
(*10) Yellow



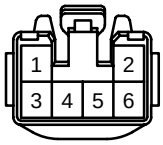
F CONNECTOR LIST

*11 : w/o Curtain Shield Airbag

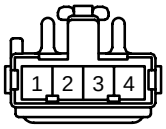
S15
(*11) Yellow



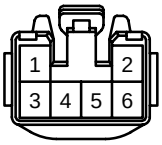
S16
(w/ Power Seat) Gray



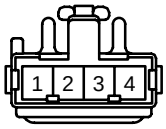
S16
(w/o Power Seat)



S17
(w/ Power Seat) Gray



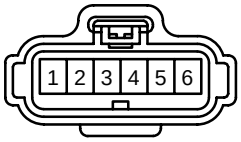
S17
(w/o Power Seat)



S18
Yellow

S19
Yellow

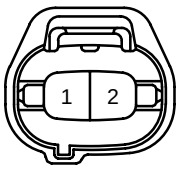
T 1
Black



T 2
Black

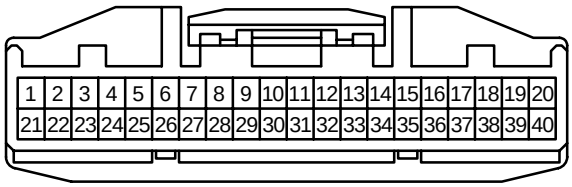
T 3
Gray

T 4
Black

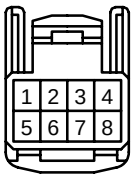


T 5
Black

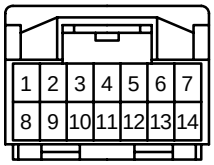
T 6



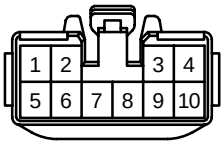
T 7



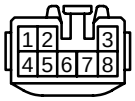
T 8



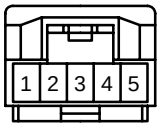
T 9
Black



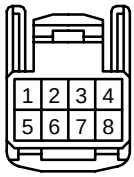
T10
Black



T11

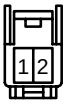


T12

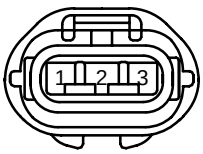


T13

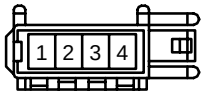
T14
Black



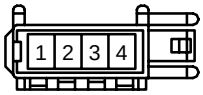
T15
Black



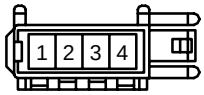
T16



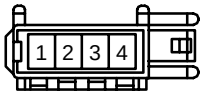
T17



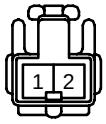
T18



T19



U 1
Black



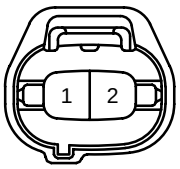
V 1
Black

V 2
Black

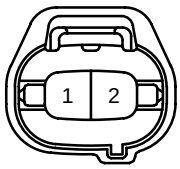
V 3
Black

V 4
Black

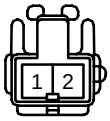
V 5
Blue



V 6
Brown

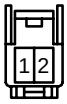


V 7
Black



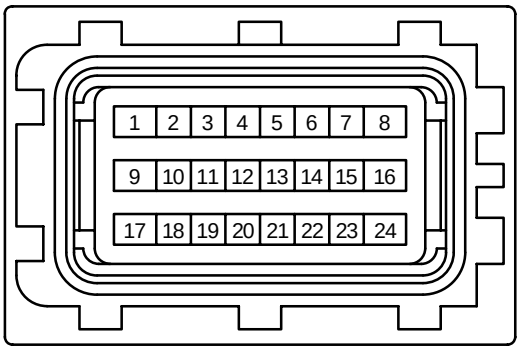
V 8

V 9

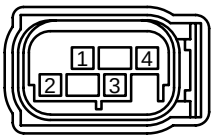


W 1

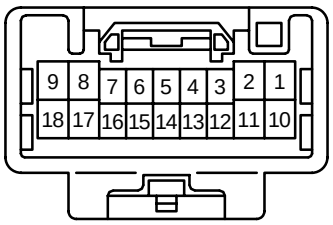
W 2
Black



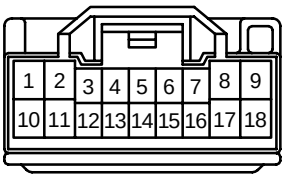
Y 1
Black



Z 1



Z 2



G PART NUMBER OF CONNECTORS

Code	Part Name	Part Number
A 1	A/C Ambient Temp. Sensor	90980–11030
A 2	A/C Condenser Fan Motor	90980–10928
A 3	A/C Pressure Sensor	90980–10845
A 4	ABS Speed Sensor Front LH	90980–11003
A 5	ABS Speed Sensor Front RH	
A 6	Air Flow Meter	90980–11317
A 7	Air Fuel Ratio Sensor (Bank 1 Sensor 1)	90980–11178
A 8	Air Fuel Ratio Sensor (Bank 2 Sensor 1)	90980–10869
A 9	Airbag Sensor Front LH	90980–11856
A10	Airbag Sensor Front RH	
A11	Alternator	90980–11964
A12	Alternator (Except 1CD–FTV)	90980–09212
	Alternator (1CD–FTV)	90980–09213
A13	A/C Control Assembly	90980–12169
A14	A/C Control Assembly	90980–11778
A15	A/C Control Assembly	90980–12259
A16	A/C Control Assembly	90980–12200
A17	A/C Room Temp. Sensor	90980–11918
A18	A/C Solar Sensor	90980–11987
A19	A/C Thermistor	90980–11918
A20	Accel Position Sensor	90980–11144
A21	Air Inlet Control Servo Motor	90980–11987
A22	Air Mix Control Servo Motor	90980–11909
A23	Air Mix Control Servo Motor (Driver Side)	
A24	Air Mix Control Servo Motor (Front Passenger Side)	
A25	Air Vent Mode Control Servo Motor	
A26	Airbag Sensor Assembly	82824–50160
A27	Airbag Sensor Assembly	90980–11872
A28	Airbag Sensor Assembly	82824–50150
A29	Airbag Squib (Front Passenger Airbag Assembly)	90980–12160
A30	Airbag Squib (Steering Wheel Pad)	
A31	Antenna Amplifier	90980–10870
A32	ABS Speed Sensor Rear LH	90980–11060
A33	ABS Speed Sensor Rear RH	
A34	Air Fuel Ratio Sensor	90980–11930
A35	Air Fuel Ratio Sensor Relay	82660–05020
B 1	Back–Up Light SW	90980–11250
B 2	Brake Booster Pressure Sensor	90980–10845
B 3	Brake Fluid Level Warning SW	90080–98001
B 4	Blower Motor	90980–10214
B 5	Blower Motor Controller	90980–11676
B 6	Blower Resistor	90980–11136
B 7	Back Door Courtesy SW	90980–10795
	Back Door Lock Motor	

Code	Part Name	Part Number
B 8	Back Door Opener SW	90980–11967
B 9	Buckle SW (Driver's Side)	90980–10942
B10	Buckle SW (Front Passenger's Side)	90980–10795
	Occupant Detection Sensor	
C 1	Camshaft Position Sensor	90980–10947
C 2	Camshaft Timing Oil Control Valve	90980–11162
C 3	Compressor Assembly	90980–11156
C 4	Condenser Assembly	90980–11003
C 5	Counter Gear Speed Sensor	90980–11156
C 6	Crankshaft Position Sensor (1CD–FTV)	90980–12028
	Crankshaft Position Sensor (1ZZ–FE, 3ZZ–FE)	90980–10947
	Crankshaft Position Sensor (2AZ–FSE, 1AZ–FSE, 1AZ–FE)	
C 7	Cigarette Lighter	90980–10795
	Cigarette Lighter Illumination	
C 8	Circuit Opening Relay	82660–05020
C 9	Clutch Start SW	90980–10825
C10	Combination Meter	90980–11913
C11	Combination Meter	90980–11915
C12	Combination SW	90980–11672
C13	Combination SW	90980–11594
C14	Combination SW	90980–12183
C15	Curtain Shield Airbag Sensor LH	90980–12352
C16	Curtain Shield Airbag Sensor RH	
C17	Curtain Shield Airbag Squib LH	90980–12219
C18	Curtain Shield Airbag Squib RH	
D 1	Diesel Throttle Control Motor	90980–11144
D 2	Diode	90980–11071
D 3	Diode	90980–10962
D 4	Diode (Fan) (Except 1CD–FTV)	90980–11608
	Diode (Fan) (1CD–FTV)	90980–11071
D 5	DLC3	90980–11665
D 6	Door Control Receiver	90980–11909
D 7	Door Courtesy Light LH	90980–11148
D 8	Door Courtesy Light RH	
D 9	Door Courtesy SW Front LH	90980–10871
D10	Door Courtesy SW Front RH	
D11	Door Courtesy SW Rear LH	
D12	Door Courtesy SW Rear RH	
D13	Door Key Lock and Unlock SW (Driver's Side)	90980–12226
	Door Lock Control Motor (Driver's Side)	
	Door Unlock Detection SW (Driver's Side)	

Note: Not all of the above part numbers of the connector are established for the supply.

Code	Part Name	Part Number
D14	Door Key Lock and Unlock SW (Driver's Side)	90980–12226
	Door Lock Control Motor (Driver's Side)	
	Door Unlock Detection SW (Driver's Side)	
	Double Lock Motor (Driver's Side)	
	Double Lock Position SW (Driver's Side)	
D15	Door Lock Control Motor (Front Passenger's Side)	
D16	Door Lock Control Motor (Front Passenger's Side)	
	Door Unlock Detection SW (Front Passenger's Side)	
	Double Lock Motor (Front Passenger's Side)	
	Double Lock Position SW (Front Passenger's Side)	
D17	Door Lock Control SW	90980–12200
	Power Window Master SW	
D18	Door Lock Motor Rear LH	90980–12226
D19	Door Lock Motor Rear LH	
	Door Unlock Detection SW Rear LH	
	Double Lock Motor Rear LH	
	Double Lock Position SW Rear LH	
D20	Door Lock Motor Rear RH	
D21	Door Lock Motor Rear RH	
	Door Unlock Detection SW Rear RH	
	Double Lock Motor Rear RH	
	Double Lock Position SW Rear RH	
D22	Differential Pressure Sensor	90980–10845
E 1	ECT Solenoid (Except 2AZ–FSE)	90980–11658
	ECT Solenoid (2AZ–FSE)	90980–12326
E 2	EFI Water Temp. Sensor (Except 1AZ–FE)	90980–11062
	EFI Water Temp. Sensor (1AZ–FE)	90980–10735
E 3	EGR Valve Control Motor	90980–11144
E 4	Electronic Driver Unit	90980–11592
E 5	Electronic Driver Unit (1CD–FTV)	90980–11593
	Electronic Driver Unit (2AZ–FSE, 1AZ–FSE)	90980–11024
E 6	Engine Hood Courtesy SW	90980–10554
E 7	Engine Oil Level Sensor (1CD–FTV)	90980–11235
	Engine Oil Level Sensor (2AZ–FSE)	90980–10532
E 8	ECT Pattern Select SW	90980–11013
E 9	Engine and ECT ECU (A/T)	90980–12142
	Engine ECU (M/T)	
E10	Engine and ECT ECU (A/T)	90980–12146
	Engine ECU (M/T)	
E11	Engine and ECT ECU (A/T)	90980–12143
	Engine ECU (M/T)	

Code	Part Name	Part Number
E12	Engine and ECT ECU (A/T)	90980–12145
	Engine ECU (M/T)	
E13	Engine and ECT ECU (A/T)	90980–12144
	Engine ECU (M/T)	
E14	EPS ECU	90980–12300
E15	EPS ECU	90980–12290
E16	Exhaust Fuel Addition Injector Assembly	90980–11875
E17	EGR Valve Assembly	90980–11162
E18	EGR Valve Position Sensor	90980–11143
E19	Exhaust Gas Temperature Sensor (Front)	90980–10901
E20	Exhaust Gas Temperature Sensor (Rear)	90980–10899
F 1	Front Clearance Light LH	90980–11149
F 2	Front Clearance Light RH	
F 3	Front Fog Light LH	90980–11660
F 4	Front Fog Light RH	
F 5	Front Side Turn Signal Light LH	90980–11162
F 6	Front Side Turn Signal Light RH	
F 7	Front Turn Signal Light LH	90980–10942
	Headlight Control ECU LH	
F 8	Front Turn Signal Light LH	
	Headlight LH (Low)	
F 9	Front Turn Signal Light RH	
	Headlight Control ECU RH	
F10	Front Turn Signal Light RH	
	Headlight RH (Low)	
F11	Front Washer Motor	90080–98117
F12	Front Window Deicer	90980–11155
F13	Front Wiper Motor	90980–11599
F14	Fuel Filter Warning SW	90980–11002
F15	Fuel Heater	90980–10928
F16	Fuel Pressure Sensor (1CD–FTV)	90980–11194
	Fuel Pressure Sensor (2AZ–FSE, 1AZ–FSE)	90980–11451
F17	Fuel Pump	90080–98001
F18	Fuel Temp. Sensor	90980–11062
F19	Front Passenger's Seat Belt Warning Light	90980–11989
	Rear Window Defogger SW	
	Security Indicator Light	
F20	Front Wiper Deicer SW	90980–10797
F21	Front Door Speaker LH	90080–98157
F22	Front Door Speaker RH	
F23	Fuel Lid Opener Motor	90080–98313
F24	Fuel Lid Opener SW	90980–11013
F25	Fuel Pump	90980–11077
	Fuel Sender	

G PART NUMBER OF CONNECTORS

Code	Part Name	Part Number
F26	Fuel Pump Resistor	90980–10901
F27	Fuel Control SW	90980–10996
G 1	Glow Plug	99141–13006
G 2	Glow Plug Relay	90980–11569
G 3	Glove Box Light	90980–11098
H 1	Headlight Beam Level Control Actuator LH	90980–11016
H 2	Headlight Beam Level Control Actuator RH	
H 3	Headlight Cleaner Control Relay	90980–10939
H 4	Headlight Cleaner Motor	90080–98116
H 5	Headlight LH (High)	90980–11314
H 6	Headlight RH (High)	
H 7	Heated Oxygen Sensor (Bank 1 Sensor 1) (1ZZ–FE, 3ZZ–FE)	90980–10869
	Heated Oxygen Sensor (Bank 1 Sensor 1) (2AZ–FSE, 1AZ–FSE)	90980–11028
H 8	Heated Oxygen Sensor (Bank 1 Sensor 2)	90980–11028
H 9	Heated Oxygen Sensor (Bank 2 Sensor 1)	90980–10869
H10	Heated Oxygen Sensor (Bank 2 Sensor 2)	90980–11028
H11	Horn LH	90980–10619
H12	Horn RH	
H13	Hazard SW	90980–10801
H14	Headlight Beam Level Control ECU	90980–12200
H15	Headlight Beam Level Control SW	90980–10789
H16	Headlight Cleaner SW	90980–10601
H17	Heated Oxygen Sensor (Bank 1 Sensor 2)	90980–11930
H18	Height Control Sensor (Front)	90980–11860
H19	Height Control Sensor (Rear)	
H20	High Mounted Stop Light (L/B)	90980–10320
	High Mounted Stop Light (S/D)	90980–WB002
	High Mounted Stop Light (W/G)	90980–11148
I 1	Ignition Coil and Igniter No.1	90980–11885
I 2	Ignition Coil and Igniter No.2	
I 3	Ignition Coil and Igniter No.3	
I 4	Ignition Coil and Igniter No.4	
I 5	Injector No.1 (Except 2AZ–FSE, 1AZ–FSE)	90980–11875
	Injector No.1 (2AZ–FSE, 1AZ–FSE)	90980–12117
I 6	Injector No.2 (Except 2AZ–FSE, 1AZ–FSE)	90980–11875
	Injector No.2 (2AZ–FSE, 1AZ–FSE)	90980–12117
I 7	Injector No.3 (Except 2AZ–FSE, 1AZ–FSE)	90980–11875
	Injector No.3 (2AZ–FSE, 1AZ–FSE)	90980–12117
I 8	Injector No.4 (Except 2AZ–FSE, 1AZ–FSE)	90980–11875
	Injector No.4 (2AZ–FSE, 1AZ–FSE)	90980–12117
I 9	Intake Air Temp. Sensor	90980–11025
I10	ISC Valve	90980–11145
I11	Ignition Key Cylinder Light	90980–12092
I12	Ignition Key Cylinder Light	
	Transponder Key Amplifier	

Code	Part Name	Part Number
I13	Ignition SW	90980–11778
I14	Integration Relay	90980–11915
I15	Inner Mirror	90980–11794
I16	Interior Light	90980–11950
I17	Intake Shutter Assembly	90980–11145
I18	Intake Shutter Assembly	90980–11261
J 1	Junction Connector	90980–10803
J 2	Junction Connector	
J 3	Junction Connector	90980–11661
J 4	Junction Connector	
J 5	Junction Connector	90980–11542
J 6	Junction Connector	90980–11915
J 7	Junction Connector	
J 8	Junction Connector	
J 9	Junction Connector	
J10	Junction Connector	
J11	Junction Connector	
J12	Junction Connector	90980–11661
J13	Junction Connector	
J14	Junction Connector	90980–11542
J15	Junction Connector	90980–10976
J16	Junction Connector	90980–11542
J17	Junction Connector	
J18	Junction Connector	90980–11915
J19	Junction Connector	
J20	Junction Connector	
J21	Junction Connector	
J22	Junction Connector	90980–11661
J23	Junction Connector	
J24	Junction Connector	
J25	Junction Connector	
J26	Junction Connector	90980–11915
J27	Junction Connector	
J28	Junction Connector	90980–11542
J29	Junction Connector	90980–11915
J30	Junction Connector	90980–11661
J31	Junction Connector	
J32	Junction Connector	90980–11542
J33	Junction Connector	90980–11661
J34	Junction Connector	
J35	Junction Connector	
J36	Junction Connector	
J37	Junction Connector	
J38	Junction Connector	
K 1	Knock Sensor	90980–11875
K 2	Kick Down SW	90980–11156

Note: Not all of the above part numbers of the connector are established for the supply.

Code	Part Name	Part Number
K 3	Knee Airbag Squib	90980–12253
L 1	License Plate Light LH	90080–98001
L 2	License Plate Light RH	
L 3	Luggage Compartment Door Lock Motor	90980–10908
	Luggage Compartment Light SW	
L 4	Luggage Compartment Door Opener SW	90980–11967
L 5	Luggage Compartment Light	90980–11148
L 6	Lumbar Support Control Motor	90980–10825
L 7	Lumbar Support Control SW	90980–10789
M 1	Multi–Display (w/ Navigation System (Map Type))	90980–11877
	Multi–Display (w/o Navigation System (Map Type))	90980–11973
M 2	Multi–Display (w/ Navigation System (Map Type))	90980–11923
	Multi–Display (w/o Navigation System (Map Type))	90980–12209
M 3	Multi–Display	90980–10871
M 4	Mirror Heater LH	90980–12059
	Remote Control Mirror LH	
M 5	Mirror Heater RH	
	Remote Control Mirror RH	
M 6	Moon Roof Control Relay and Motor	82824–05030
M 7	Moon Roof Control SW	90980–10795
N 1	Neutral Start SW	90980–11784
N 2	Noise Filter (Ignition)	90980–10843
N 3	Navigation ECU	90980–11973
N 4	Navigation ECU	90980–11923
N 5	Navigation ECU	90980–12221
N 6	Noise Filter (Rear Window Defogger No.1)	90980–10825
N 7	Noise Filter (Rear Window Defogger No.2)	
N 8	Noise Filter (Stop Light)	
O 1	Oil Pressure Sensor	90080–98200
O 2	Oil Pressure SW	90980–11363
P 1	Power Heater Assembly	90980–10897
P 2	Power Steering Oil Pressure SW	90980–11428
P 3	Pressure Discharge Valve	90980–11285
P 4	Parking Brake SW	90980–10871
P 5	Power Heater SW	90980–10996
P 6	Power Outlet	90080–98182
P 7	PTC Heater	90980–11685
P 8	Personal Light	90980–11950
P 9	Power Window Control SW (Front Passenger Side)	90980–12113
P10	Power Window Control SW Rear LH	
P11	Power Window Control SW Rear RH	
P12	Power Window Motor Front LH	90080–98276
P13	Power Window Motor Front RH	

Code	Part Name	Part Number
P14	Power Window Motor Rear LH	90080–98276
P15	Power Window Motor Rear RH	
P16	Pretensioner LH	90980–12253
P17	Pretensioner RH	
P18	Power Seat Control SW (Driver's Seat)	90980–10997
P19	Power Seat Control SW (Front Passenger's Seat)	
P20	Power Seat Motor (Driver's Seat Front Vertical Control)	90980–10825
P21	Power Seat Motor (Driver's Seat Lifter Control)	
P22	Power Seat Motor (Driver's Seat Reclining Control)	
P23	Power Seat Motor (Driver's Seat Slide Control)	
P24	Power Seat Motor (Front Passenger's Seat Reclining Control)	
P25	Power Seat Motor (Front Passenger's Seat Slide Control)	
R 1	Radiator Fan Motor	90980–10928
R 2	Radiator Fan Resistor	
R 3	Rear Washer Motor	90080–98117
R 4	Radio and Player	90980–10997
R 5	Radio and Player	90980–10996
R 6	Radio and Player	90980–12183
R 7	Radio and Player	90980–12259
R 8	Rear Fog Light Relay	82660–05010
R 9	Rear Window Defogger Relay	82660–05020
R10	Remote Control Mirror SW	90980–11657
R11	Remote Controller (Navigation)	90980–11909
R12	Rain Sensor	90080–98309
R13	Rear Combination Light LH (Except W/G)	90080–98175
	Rear Combination Light LH (W/G)	90980–10964
R14	Rear Combination Light RH (Except W/G)	90080–98175
	Rear Combination Light RH (W/G)	90980–10964
R15	Rear Door Speaker LH	90080–98157
R16	Rear Door Speaker RH	
R17	Rear Interior Light	90980–11148
R18	Rear Window Defogger (L/B)	90980–11258
	Rear Window Defogger (S/D, W/G)	90980–11259
R19	Rear Window Defogger (L/B)	90980–11258
	Rear Window Defogger (S/D)	90980–10786
	Rear Window Defogger (W/G)	90980–11259
R20	Rear Wiper Motor and Relay	90980–10908
R21	Radiator Fan Relay	90980–11304
S 1	Skid Control ECU with Actuator	90080–98278
S 2	Skid Control ECU with Actuator	90980–WB001
S 3	Spill Valve	90980–12117

G PART NUMBER OF CONNECTORS

Code	Part Name	Part Number
S 4	Starter	90980–11400
S 5	Starter (1CD–FTV)	90980–09507
	Starter (1ZZ–FE, 3ZZ–FE)	90980–09463
	Starter (2AZ–FSE, 1AZ–FSE, 1AZ–FE)	90980–09506
S 6	Suction Control Valve	90980–11285
S 7	Seat Heater SW	90980–11909
S 8	Seat Heater SW	90980–11918
S 9	Shift Lock Control ECU	90980–12183
S10	Short Connector	90980–10797
S11	Short Connector	90980–10796
S12	Steering Sensor	90080–98241
S13	Stop Light SW	90980–11118
S14	Side Airbag Sensor LH (w/ Curtain Shield Airbag)	90980–12225
	Side Airbag Sensor LH (w/o Curtain Shield Airbag)	90980–12352
S15	Side Airbag Sensor RH (w/ Curtain Shield Airbag)	90980–12225
	Side Airbag Sensor RH (w/o Curtain Shield Airbag)	90980–12352
S16	Seat Heater LH (w/ Power Seat)	90980–10797
	Seat Heater LH (w/o Power Seat)	90980–11090
S17	Seat Heater RH (w/ Power Seat)	90980–10797
	Seat Heater RH (w/o Power Seat)	90980–11090
S18	Side Airbag Squib LH	90980–11864
S19	Side Airbag Squib RH	
T 1	Throttle Control Motor and Position Sensor	90980–11858
T 2	Throttle Position Sensor	90980–11261
T 3	Throttle Position SW	90980–11038
T 4	Turbine Speed Sensor	90980–11156
T 5	Turbo Pressure Sensor	90980–10845
T 6	Theft Deterrent ECU	90980–12169
T 7	Transmission Control SW	90980–12221
T 8	Transponder Key Computer	90980–11911
T 9	TRC Off SW	90980–10801
T10	Turn Signal Flasher Relay	90980–10799
T11	Telephone Microphone Amplifier	90980–11909
T12	Theft Warning Ultrasonic Sensor	90980–12221
T13	Theft Warning Ultrasonic Sensor Rear LH	90980–11918
T14	Theft Warning Ultrasonic Sensor Rear RH	
T15	Theft Warning Siren	90980–11349
T16	Tweeter Front LH	90980–12304
T17	Tweeter Front RH	
T18	Tweeter Rear LH	
T19	Tweeter Rear RH	
U 1	Unlock Warning SW	90980–10860
V 1	Vacuum Sensor	90980–10845
V 2	Vacuum SW	90980–11252
V 3	Variable Resistor	90980–10902
V 4	VRV (EGR)	90980–11162
V 5	VSV (EVAP)	90980–11156
V 6	VSV (Intake Air Control Valve)	90980–11149
V 7	VSC Warning Buzzer	90980–10906
V 8	Vanity Light LH	90980–11918
V 9	Vanity Light RH	
W 1	Water Temp. SW (Radiator Fan)	90980–11235
W 2	Wiper Relay	90080–98318
Y 1	Yaw Rate Sensor	90080–98249
Z 1	Option Connector (Navigation ECU)	82824–30240
Z 2	Option Connector (Navigation ECU)	90980–11973

Note: Not all of the above part numbers of the connector are established for the supply.

Code	Part Name	Part Number	Code	Part Name	Part Number

1 AVENSIS

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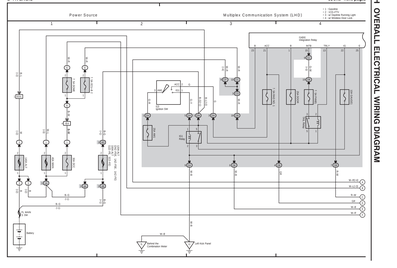

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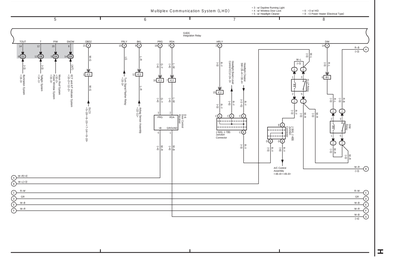
Multiplex Communication System (LHD)
1 - LH Daytime Running Light
2 - RH Daytime Running Light
3 - LH Headlight Clean
4 - LH Low HID
5 - LH Rear Heated Window Fuse
6 - RH Low HID
7 - RH Rear Heated Window Fuse
8 - LH Tail Light
9 - RH Tail Light
10 - LH Tail Light
11 - RH Tail Light
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424 - LH Tail Light

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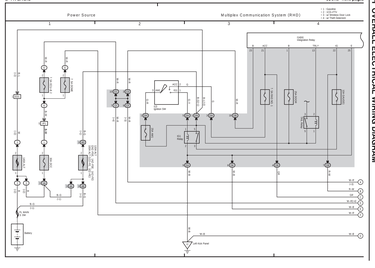

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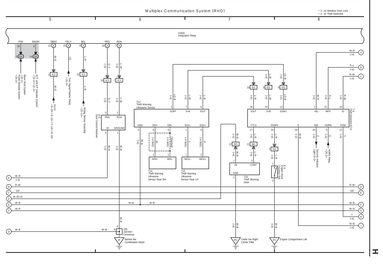
Multiplex Communication System (RHD)
5
6
7
8
Main Wiring
Engine Room R/B
Engine Room J/B No.1
Engine Room J/B No.2
Engine Room J/B No.3
Engine Room J/B No.4
Engine Room J/B No.5
Engine Room J/B No.6
Engine Room J/B No.7
Engine Room J/B No.8
Engine Room J/B No.9
Engine Room J/B No.10
Engine Room J/B No.11
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Engine Room J/B No.13
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Engine Room J/B No.66
Engine Room J/B No.67
Engine Room J/B No.68
Engine Room J/B No.69
Engine Room J/B No.70
Engine Room J/B No.71
Engine Room J/B No.72
Engine Room J/B No.73
Engine Room J/B No.74
Engine Room J/B No.75
Engine Room J/B No.76
Engine Room J/B No.77
Engine Room J/B No.78
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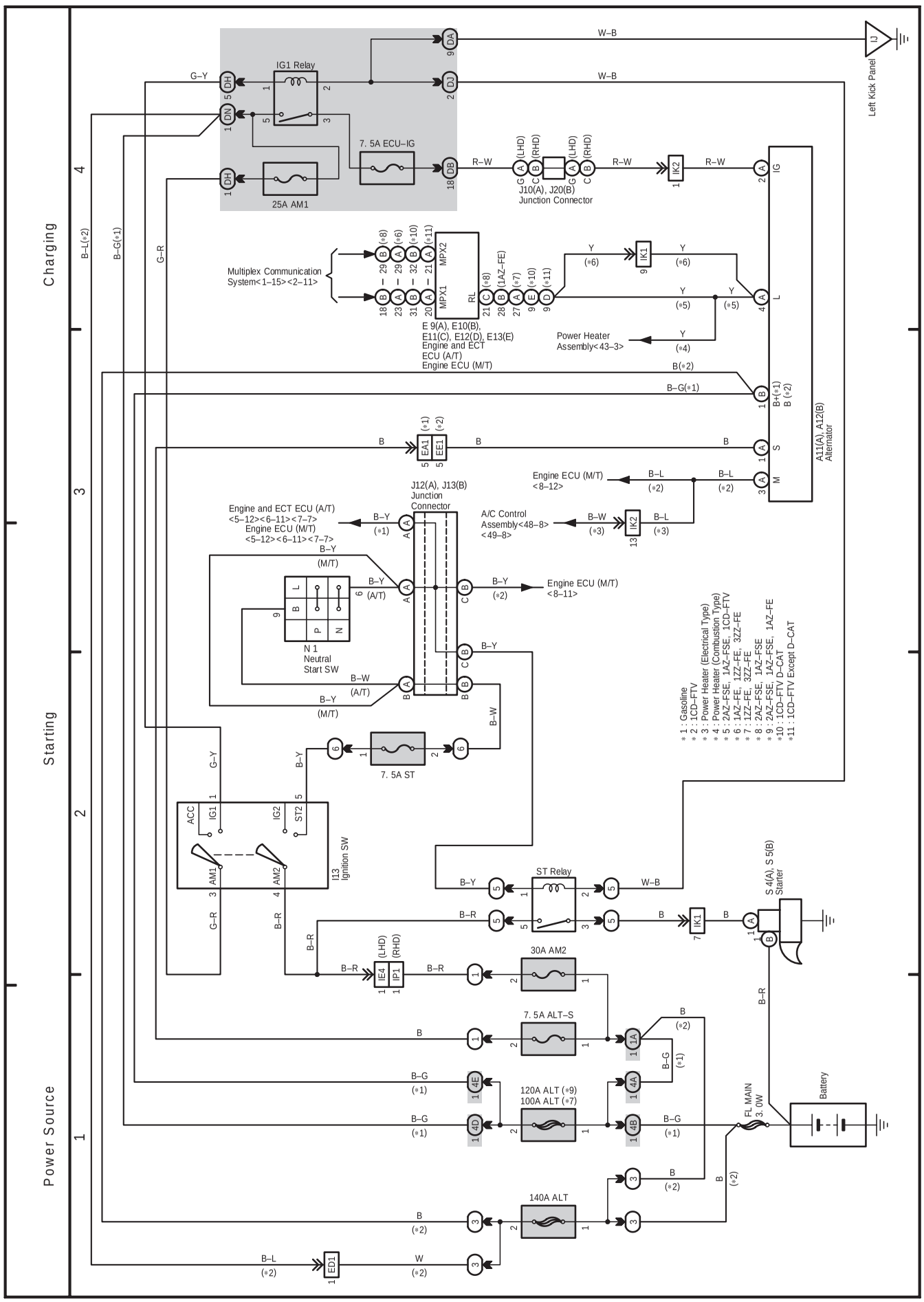
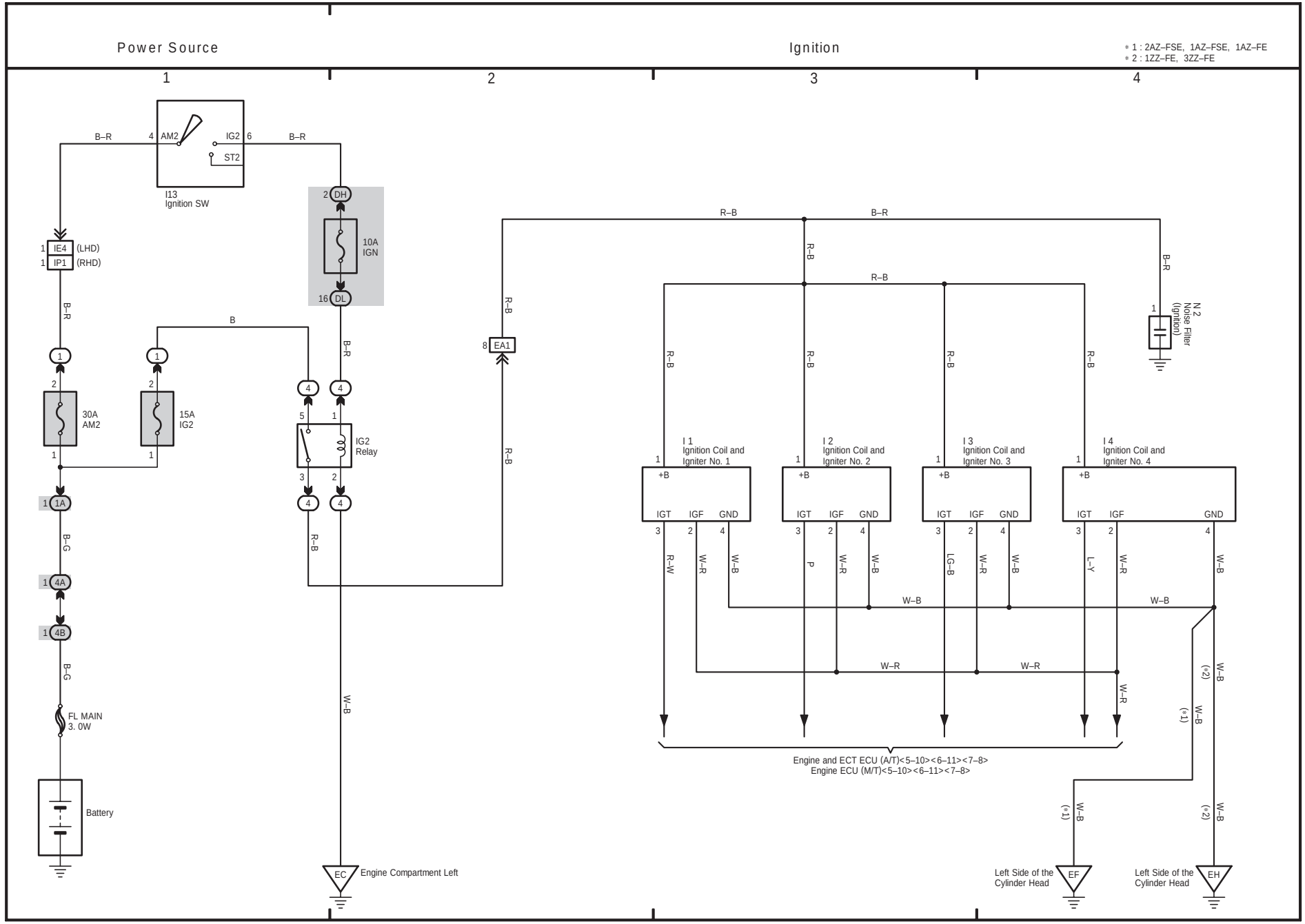
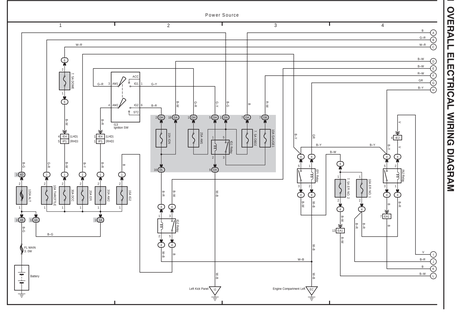
Engine Room J/B No.109
Engine Room J/B No.110
Engine Room J/B No.111
Engine Room J/B No.112
Engine Room J/B No.113
Engine Room J/B No.114
Engine Room J/B No.115
Engine Room J/B No.116
Engine Room J/B No.117
Engine Room J/B No.118
Engine Room J/B No.119
Engine Room J/B No.120
Engine Room J/B No.121
Engine Room J/B No.122
Engine Room J/B No.123
Engine Room J/B No.124
Engine Room J/B No.125
Engine Room J/B No.126
Engine Room J/


Charging
Starting
Power Source
IG1 Relay
7. 5A ECU–IG
25A AM1
J10(A), J20(B)
Junction Connector
Left Kick Panel
Multiplex Communication
System<1–15><2–11>
E 9(A), E10(B),
E11(C), E12(D), E13(E)
Engine and ECT
ECU (A/T)
Engine ECU (M/T)
Power Heater
Assembly<43–3>
J12(A), J13(B)
Junction
Connector
Engine and ECT ECU (A/T)
<5–12><6–11><7–7>
Engine ECU (M/T)
<5–12><6–11><7–7>
Engine ECU (M/T)
<8–12>
A/C Control
Assembly<48–8>
<49–8>
Engine ECU (M/T)
<8–11>
N 1
Neutral
Start SW
7. 5A ST
ST Relay
I13
Ignition SW
30A AM2
7. 5A ALT–S
120A ALT (*9)
100A ALT (*7)
140A ALT
FL MAIN
3. 0W
Battery
A11(A), A12(B)
Alternator
S 4(A), S 5(B)
Starter
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : Power Heater (Electrical Type)
* 4 : Power Heater (Combustion Type)
* 5 : 2AZ–FSE, 1AZ–FSE, 1CD–FTV
* 6 : 1AZ–FE, 1ZZ–FE, 3ZZ–FE
* 7 : 1ZZ–FE, 3ZZ–FE
* 8 : 2AZ–FSE, 1AZ–FSE
* 9 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
*10 : 1CD–FTV D–CAT
*11 : 1CD–FTV Except D–CAT


Power Source
Ignition
* 1 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 2 : 1ZZ–FE, 3ZZ–FE
1
2
3
4
I13
Ignition SW
AM2
IG2
ST2
B–R
IE4 (LHD)
IP1 (RHD)
DH
DL
10A
IGN
30A
AM2
15A
IG2
IG2
Relay
B
R–B
W–B
B–G
1A
4A
4B
FL MAIN
3. 0W
Battery
EC
Engine Compartment Left
EA1
I 1
Ignition Coil and
Igniter No. 1
I 2
Ignition Coil and
Igniter No. 2
I 3
Ignition Coil and
Igniter No. 3
I 4
Ignition Coil and
Igniter No. 4
+B
IGT
IGF
GND
R–W
W–R
P
LG–B
L–Y
W–B
N 2
Noise Filter
(Ignition)
Engine and ECT ECU (A/T)<5–10><6–11><7–8>
Engine ECU (M/T)<5–10><6–11><7–8>
(*1)
(*2)
Left Side of the
Cylinder Head
EF
EH


Power Source
1
2
3
4
ACC
IG1
IG2
ST1
ST2
B-W
W-B
B-R
R-B
B-Y
Y-B
B-L
L-B
B-G
G-B
W-R
R-W
W-L
L-W
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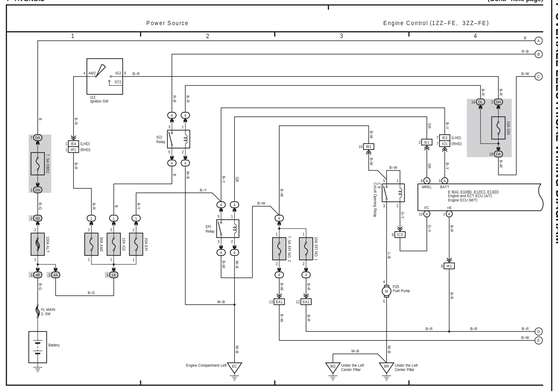
G-O
O-G
Y-O
O-Y
B-O
O-B
W-O
O-W
R-O
O-R
L-O
O-L
Battery
Battery Main Relay
Battery Sub Relay
Battery Sensor
Battery Sensor Relay
Battery Sensor Relay No.2
Battery Sensor No.2
Battery Sensor No.3
Battery Sensor No.4
Battery Sensor No.5
Battery Sensor No.6
Battery Sensor No.7
Battery Sensor No.8
Battery Sensor No.9
Battery Sensor No.10
Battery Sensor No.11
Battery Sensor No.12
Battery Sensor No.13
Battery Sensor No.14
Battery Sensor

7 AVENSIS (Cont. next page)


Power Source
Engine Control (1ZZ–FE, 3ZZ–FE)
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J
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V
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X
Y
Z
AM1
ACC
IG1
IG2
ST1
ST2
IGN
ECU-IG
ECU-B
EFI
ETCS
STA
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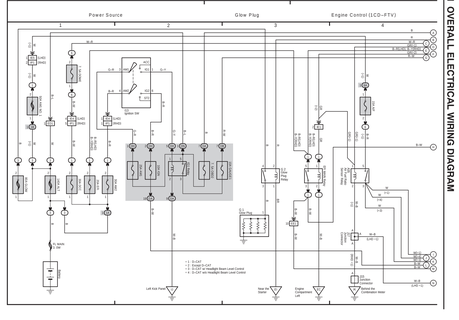
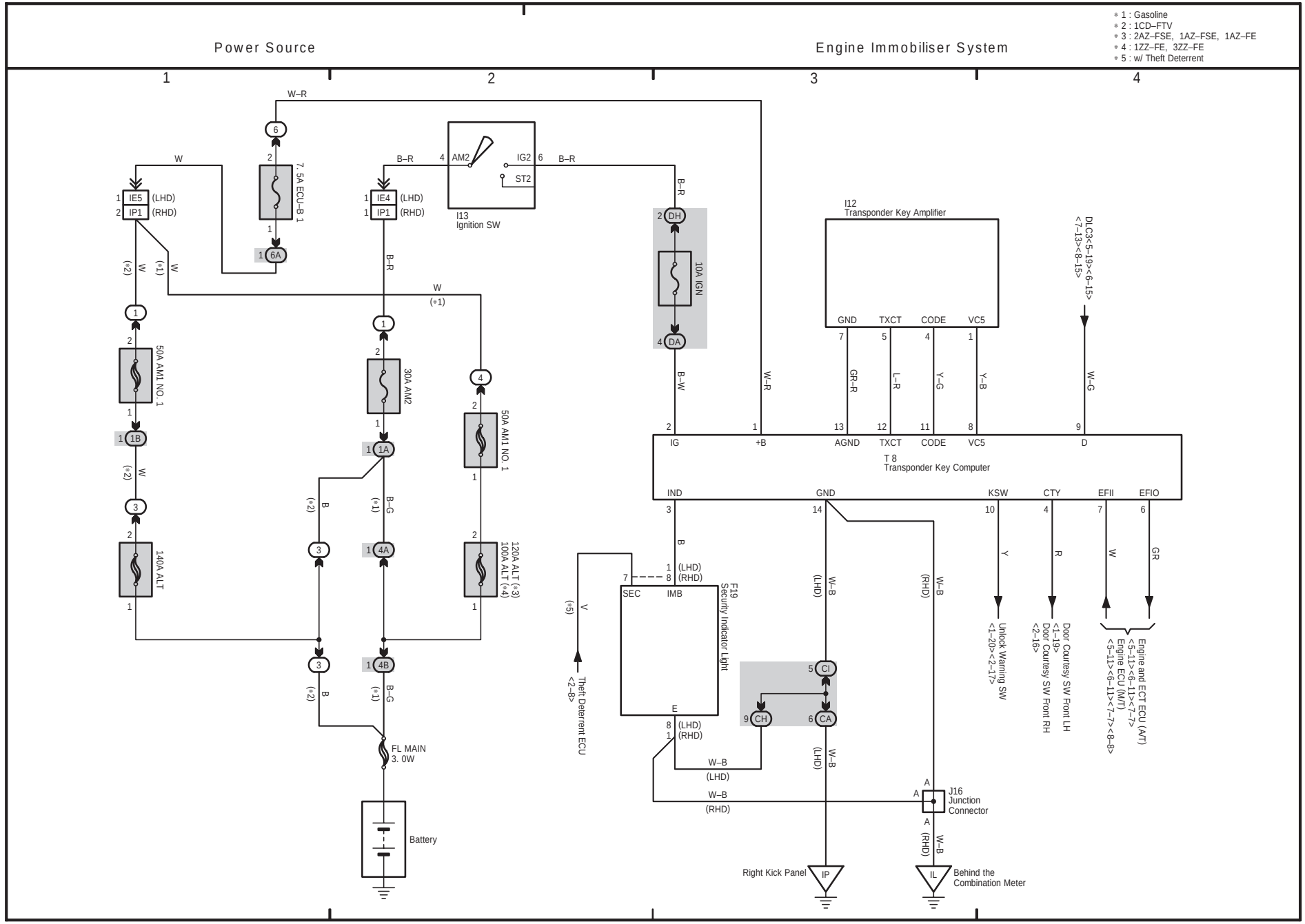
8 AVENSIS (Cont' d) (Cont. next page)


Power Source
Glow Plug
Engine Control (1CD-FTV)
1 2 3 4
B-W-H(E)
B-R-H(E)
B-W-H(E)
B-R-H(E)
Main Relay No.1
Main Relay No.2
Glow Relay
Glow Plug
Glow Plug Timer
Starter Relay
Starter
Battery
Battery Main Fuse
Alternator
Alternator Regulator
Ignition Switch
Starter Cut Relay
Starter Cut Relay No.2
Starter Cut Relay No.1
Fusible Link Block
Engine Control ECU
Engine Control Relay
Engine Control Fuse
Engine Control Relay
Engine Control Fuse
Engine Control Fuse
Engine Control Fuse


Power Source
Engine Immobiliser System
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : w/ Theft Deterrent
1
2
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4
W–R
W
B–R
IE5 (LHD)
IP1 (RHD)
IE4 (LHD)
IP1 (RHD)
7. 5A ECU–B 1
6A
AM2
IG2
ST2
I13
Ignition SW
10A IGN
DH
DA
B–W
W–R
I12
Transponder Key Amplifier
GND
TXCT
CODE
VC5
GR–R
L–R
Y–G
Y–B
W–G
DLC3<5–19><6–15>
<7–13><8–15>
IG
+B
AGND
TXCT
CODE
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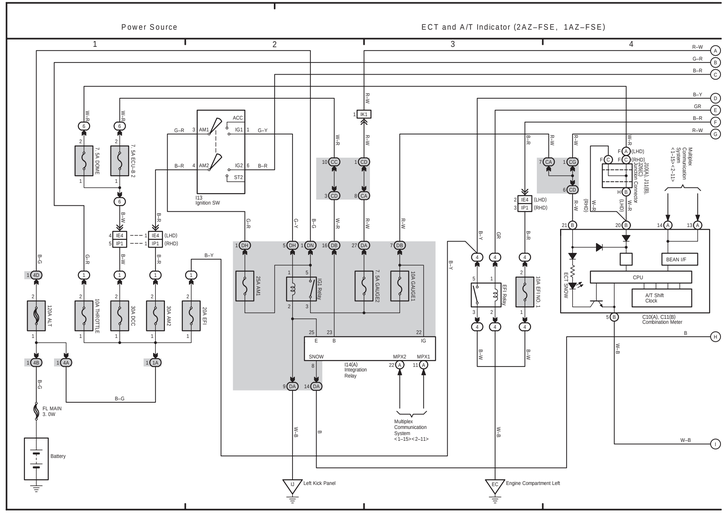
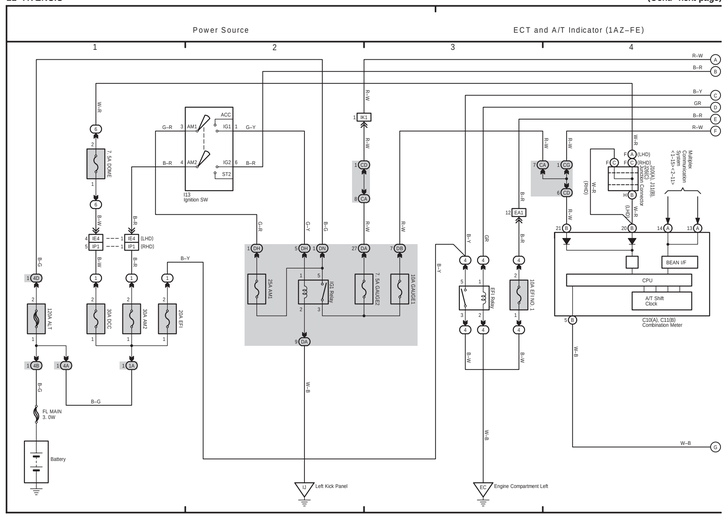
T 8
Transponder Key Computer
50A AM1 NO. 1
30A AM2
50A AM1 NO. 1
140A ALT
120A ALT (*3)
100A ALT (*4)
1B
1A
4A
4B
(*1)
(*2)
IND
GND
KSW
CTY
EFII
EFIO
B
Y
R
W
GR
SEC
IMB
F19
Security Indicator Light
(LHD)
(RHD)
W–B
V
(*5)
Theft Deterrent ECU
CI
CH
CA
Unlock Warning SW
<1–20><2–17>
Door Courtesy SW Front LH
<1–19>
Door Courtesy SW Front RH
<2–16>
Engine and ECT ECU (A/T)
<5–11><6–11><7–7>
Engine ECU (M/T)
<5–11><6–11><7–7><8–8>
J16
Junction
Connector
FL MAIN
3. 0W
Battery
Right Kick Panel
IP
IL
Behind the
Combination Meter


Power Source
ECT and A/T Indicator (2AZ–FSE, 1AZ–FSE)
7.5A DOME
15A ECU-B
ACC
IG1
IG2
ST2
123 Ignition SW
10A RADIO NO.2
10A TAIL/PANEL
10A DCC
10A HAZ
10A STOP
50A ABS
30A ECU-B
20A ENGINE
15A GAUGE
10A HEATER
ABS
SNOW
ECU-B Integration Relay
Multiplex Communication System <1–15><2–11>
Battery
FL MAIN 3. 0W
Left Kick Panel
Engine Compartment Left
Combination Meter
CPU
BEAN I/F
A/T Shift Clock
Engine Control System <5–11><5–12><5–14><5–15>
Transponder Key ECU
Immobilization System <1–11><2–11>
Engine Immobilization System
Engine ECU
ECM
ECT Solenoid
Inhibit
Back-up Light SW
Park/Neutral Position SW
Stop Light SW
Brake Pedal Position Sensor
Accelerator Pedal Position Sensor
Throttle Position Sensor
Throttle Actuator
Throttle Motor
Throttle Motor Relay
Fuel Pump
Fuel Pump Control SW
Fuel Pump Relay
Fuel Pump Resistor
Fuel Sender Gauge
Fuel Level Sensor Unit
Fuel Pump Control Module
Fuel Pump Control Module Relay
Fuel Pump Control Module Resistor
Fuel Pump Control Module Fuse


Power Source
ECT and A/T Indicator (1AZ–FE)
1
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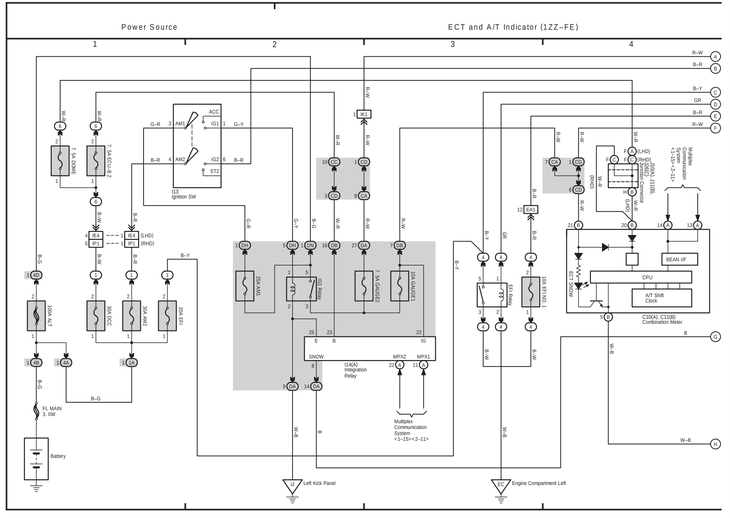
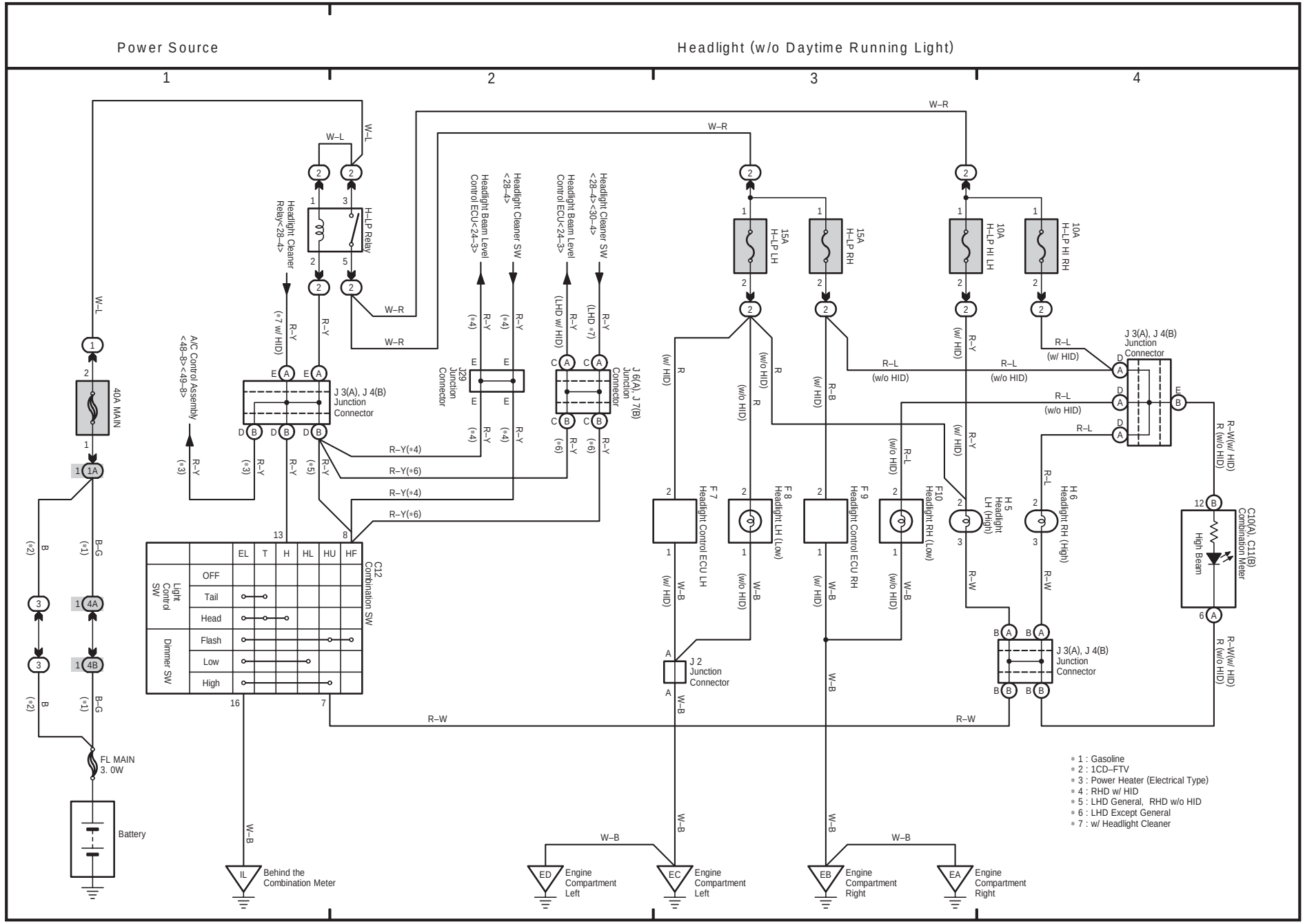
3
4
ACC
IG1
IG2
ST2
AM1
G–B
G–Y
B–R
B–Y
R–W
W–B
B–G
R–G
7.5A ECU-B
10A AM1
10A AM2
20A ETI
30A ABS
30A DEFOG
30A HEATER
50A ALT
40A EFI Relay
30A EFI Main Relay
10A STA
10A IGN
10A ECU-IG
10A GAUGE2
10A GAUGE1
10A ECU-B
10A ECU-B2
10A AM2
10A ETI
10A ABS
10A DEFOG
10A HEATER
10A ALT
10A EFI
10A EFI Main
10A STA
10A IGN
10A ECU-IG
10A GAUGE2
10A GAUGE1
10A ECU-B
10A ECU-B2
I13
Ignition SW
I14
Junction Connector
I15
Junction Connector
I16
Junction Connector
I17
Junction Connector
FL MAIN
3. 0W
Battery
Left Kick Panel
Engine Compartment Left
Behind the Combination Meter
Right Kick Panel
Clock Spring Sub-assy
Steering Pad Switch
Horn Button
Horn
Driver Airbag Squib
Front Passenger Airbag Squib
Front Passenger Airbag Sensor
Front Passenger Airbag Cut-off Indicator
Seat Belt Pretensioner
Front Passenger Seat Belt Pretensioner
Front Passenger Airbag Cut-off Switch
Front Passenger Seat Belt Buckle Switch
Front Passenger Seat Belt Tongue Switch
Front Passenger Seat Belt Pretensioner Squib
Front Passenger Seat Belt Pretensioner Cutter Squib
Front Passenger Seat Belt Pretensioner Igniter
Front Passenger Seat Belt Pretensioner Igniter
Front Passenger Seat Belt Pretensioner Igniter


Power Source
ECT and A/T Indicator (1ZZ–FE)
1
2
3
4
A
B
C
D
E
F
G
H
R–W
B–R
B–Y
GR
R–B
W–B
W–R
B–G
G–R
G–Y
W–L
R–Y
LG–B
R–YL
ACC
IG1
IG2
ST2
AM1
AM2
ST1
IGN
HEAD
TAIL
OPEN
CLOSE
1.5 ACC
1.5 IG1
1.5 IG2
1.5 ST2
1.5 AM1
1.5 AM2
1.5 ST1
1.5 IGN
1.5 HEAD (LHD)
1.5 TAIL (RHD)
1.5 OPEN
1.5 CLOSE
1.5 STARTER
1.5 DOOR CONTROL
1.5 ECU IG
1.5 ECU B
1.5 ECU B2
1.5 ECU B3
1.5 ECU B4
1.5 ECU B5
1.5 ECU B6
1.5 ECU B7
1.5 ECU B8
1.5 ECU B9
1.5 ECU B10
1.5 ECU B11
1.5 ECU B12
1.5 ECU B13
1.5 ECU B14
1.5 ECU


Power Source
Headlight (w/o Daytime Running Light)
1
2
3
4
40A MAIN
FL MAIN
3. 0W
Battery
H–LP Relay
Headlight Cleaner Relay<28–4>
15A H–LP LH
15A H–LP RH
10A H–LP HI LH
10A H–LP HI RH
A/C Control Assembly <48–8><49–8>
Headlight Beam Level Control ECU<24–3>
Headlight Cleaner SW <28–4>
Headlight Beam Level Control ECU<28–4><30–4>
Headlight Cleaner SW <28–4><30–4>
J29 Junction Connector
J 3(A), J 4(B) Junction Connector
J 6(A), J 7(B) Junction Connector
J 2 Junction Connector
F 7 Headlight Control ECU LH
F 8 Headlight LH (Low)
F 9 Headlight Control ECU RH
F10 Headlight RH (Low)
H 5 Headlight LH (High)
H 6 Headlight RH (High)
C10(A), C11(B) Combination Meter
High Beam
C12 Combination SW
Light Control SW
Dimmer SW
OFF
Tail
Head
Flash
Low
High
EL
T
H
HL
HU
HF
IL Behind the Combination Meter
ED Engine Compartment Left
EC Engine Compartment Left
EB Engine Compartment Right
EA Engine Compartment Right
W–L
W–R
R–Y
R–L
R–W
W–B
B
B–G
R
R–B
R–Y(*4)
R–Y(*6)
(w/ HID)
(w/o HID)
(LHD w/ HID)
(LHD *7)
*1 : Gasoline
*2 : 1CD–FTV
*3 : Power Heater (Electrical Type)
*4 : RHD w/ HID
*5 : LHD General, RHD w/o HID
*6 : LHD Except General
*7 : w/ Headlight Cleaner

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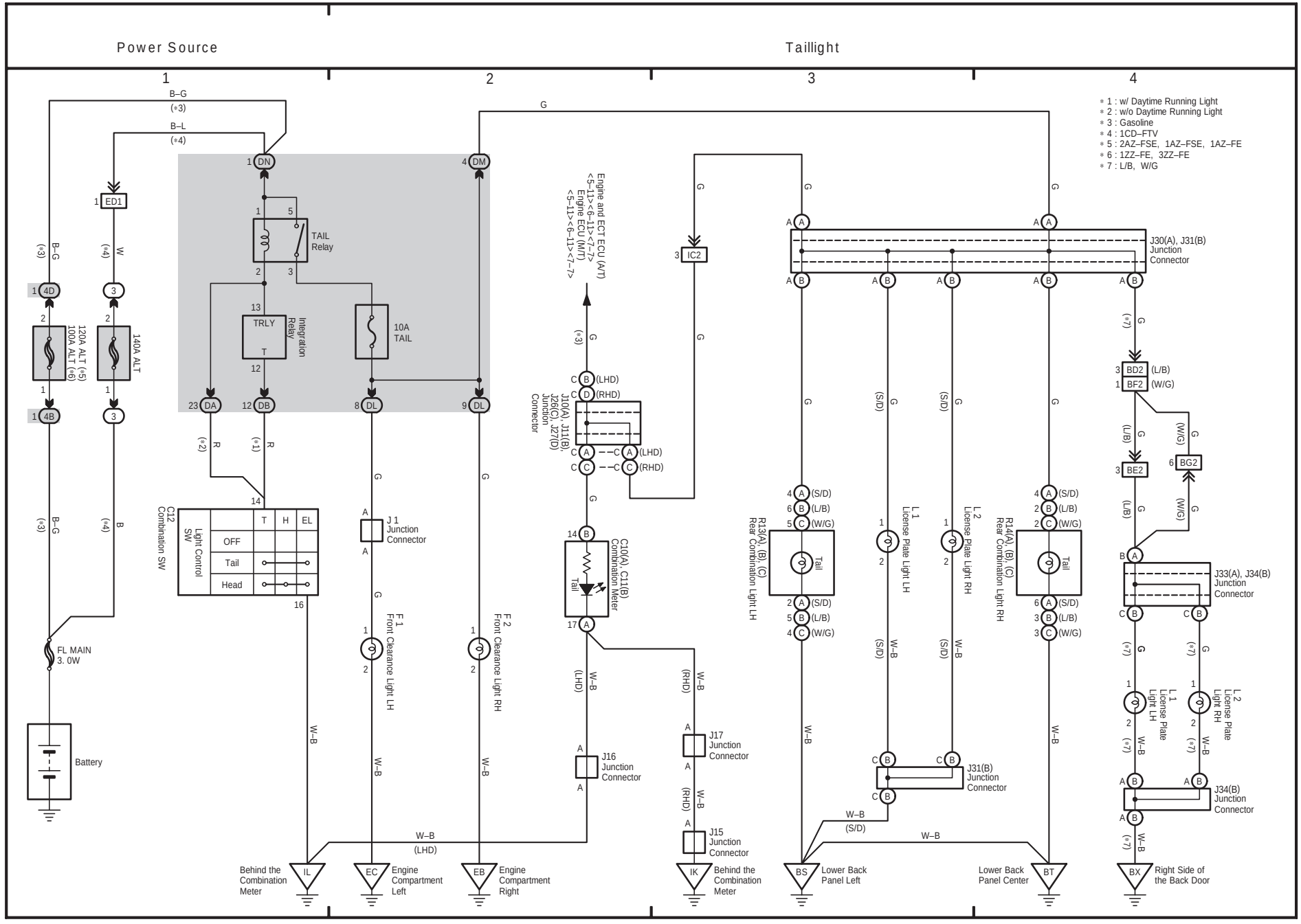
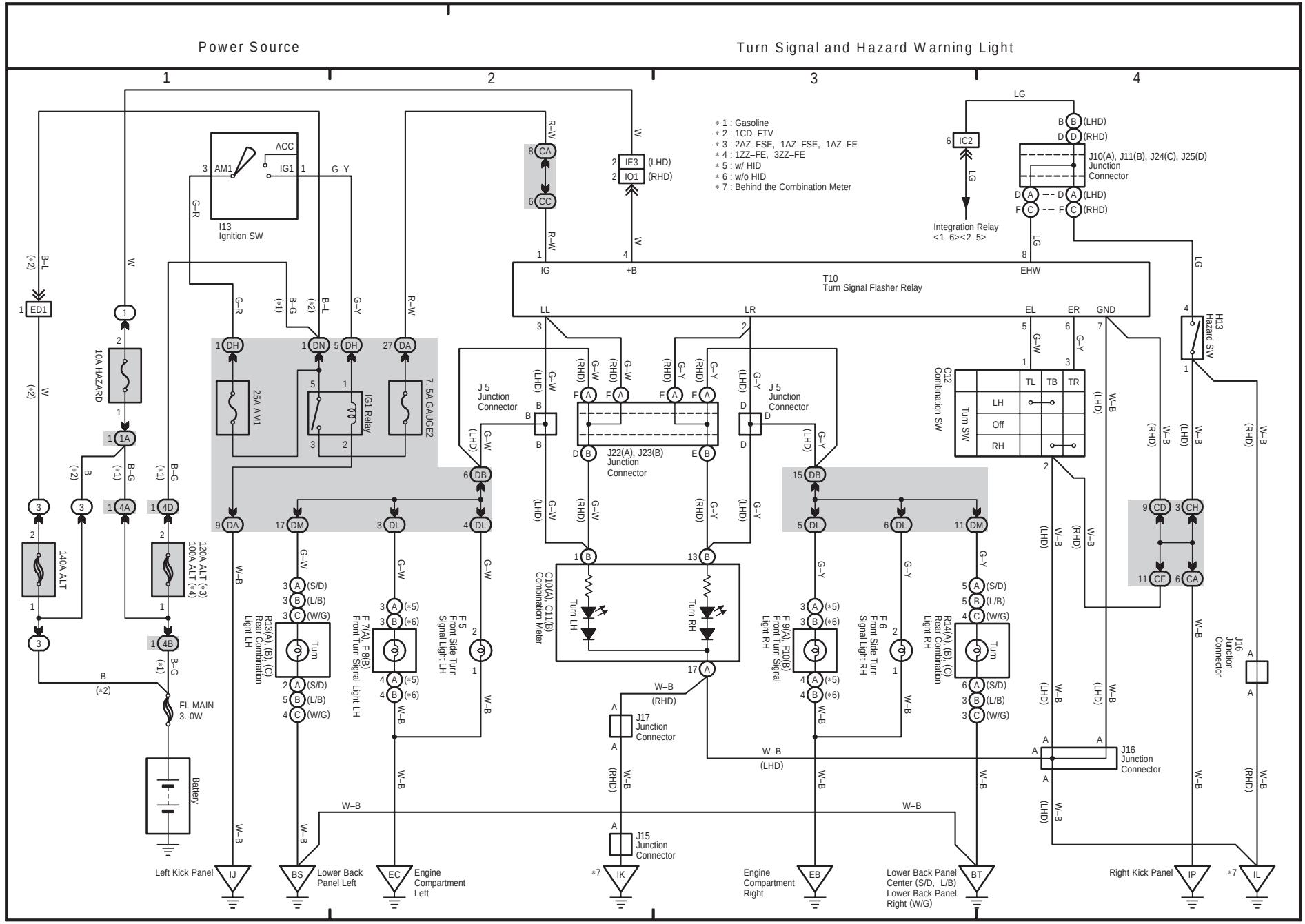
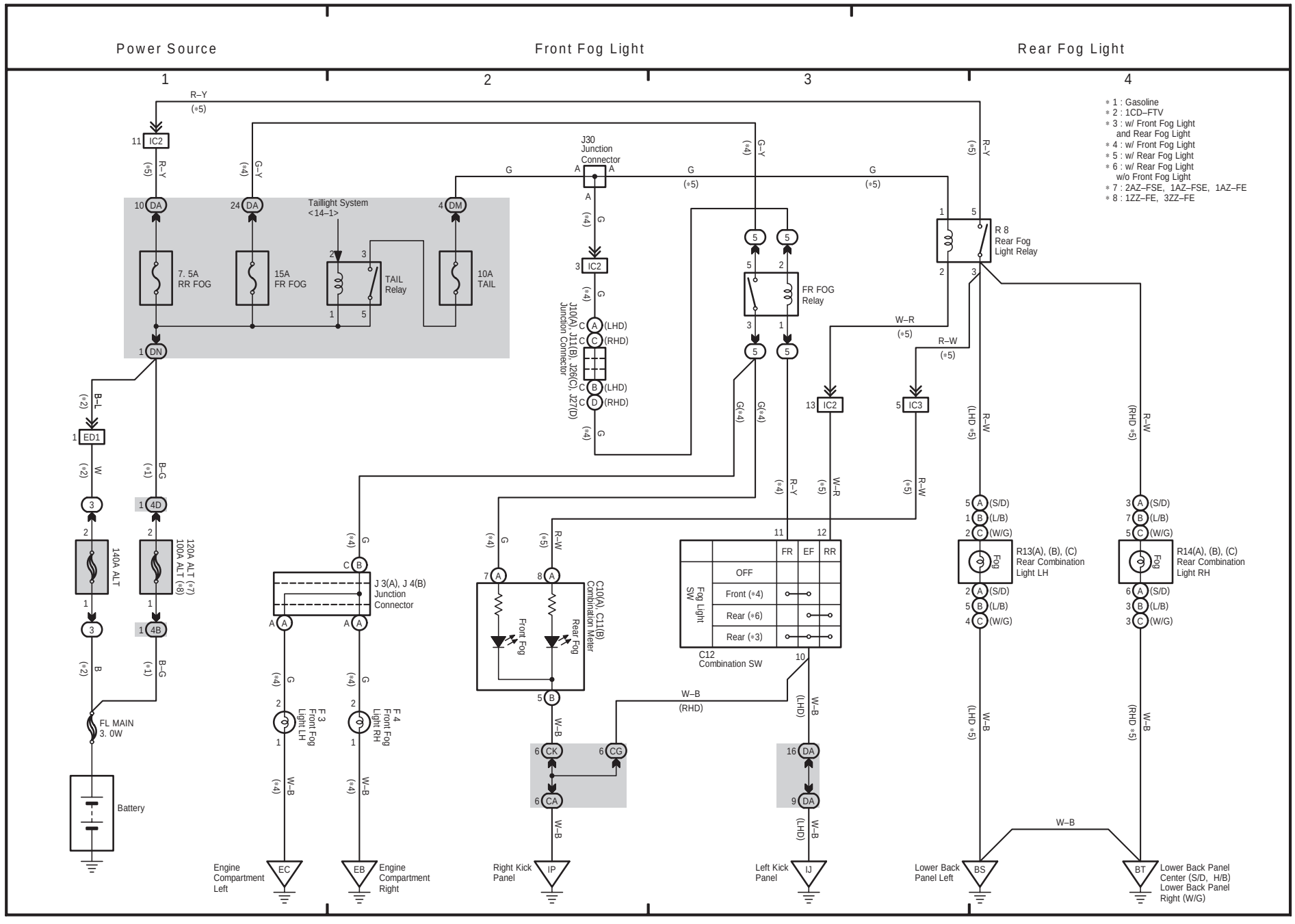
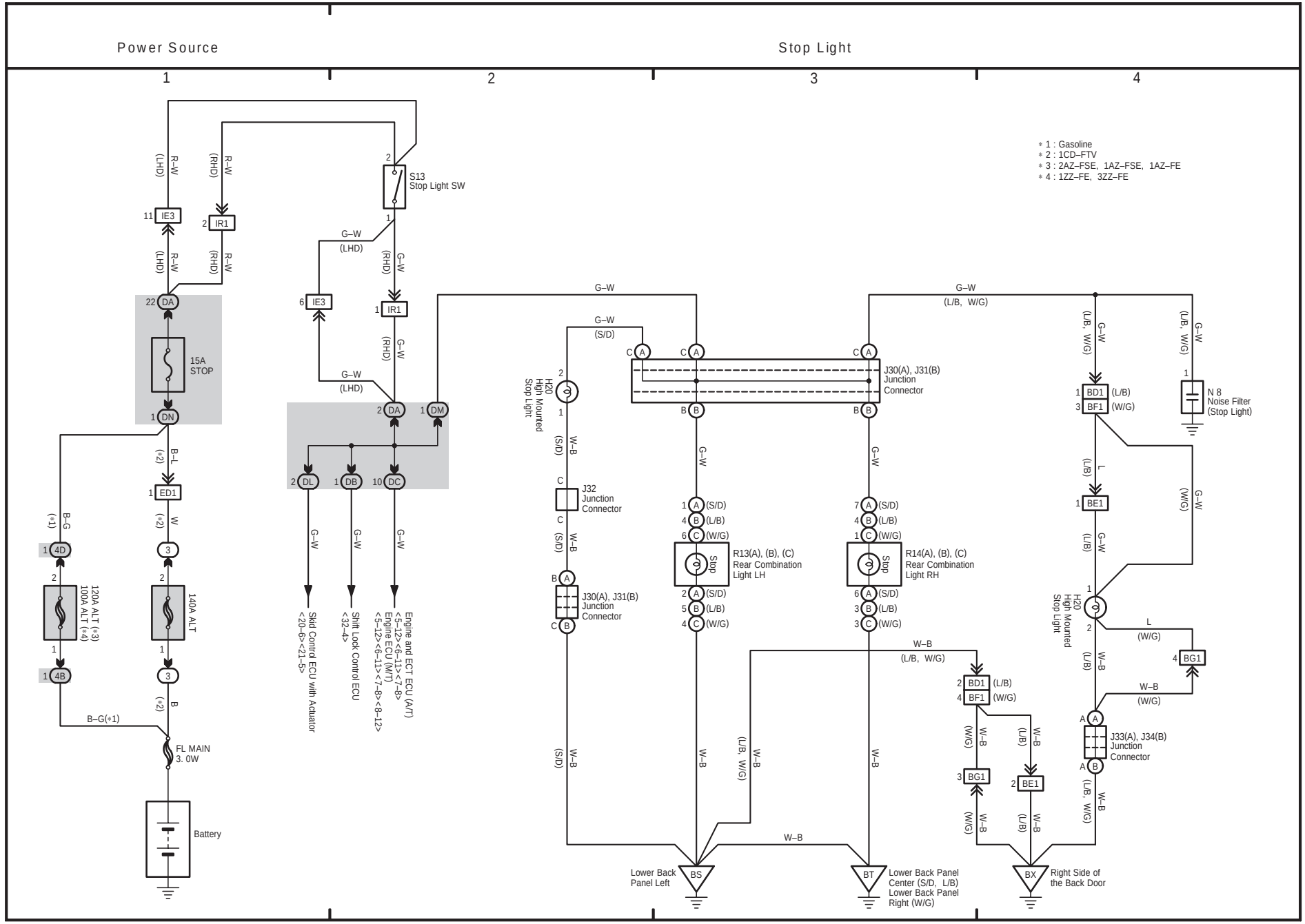

Power Source
Taillight
1
2
3
4
* 1 : w/ Daytime Running Light
* 2 : w/o Daytime Running Light
* 3 : Gasoline
* 4 : 1CD–FTV
* 5 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 6 : 1ZZ–FE, 3ZZ–FE
* 7 : L/B, W/G
B–G (*3)
B–L (*4)
G
1 DN
4 DM
1 ED1
TAIL Relay
TRLY
Integration Relay
10A TAIL
120A ALT (*5) 100A ALT (*6)
140A ALT
4D
4B
23 DA
12 DB
8 DL
9 DL
(*2) R
(*1) R
C12 Combination SW
Light Control SW
OFF
Tail
Head
T
H
EL
16
14
FL MAIN 3. 0W
Battery
J 1 Junction Connector
F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
W–B
Behind the Combination Meter
IL
EC
Engine Compartment Left
EB
Engine Compartment Right
Engine and ECT ECU (A/T) <5–11><6–11><7–7> Engine ECU (M/T) <5–11><6–11><7–7>
(*3) G
J10(A), J11(B), J26(C), J27(D) Junction Connector
(LHD)
(RHD)
C10(A), C11(B) Combination Meter
Tail
17
J16 Junction Connector
J17 Junction Connector
J15 Junction Connector
IK
Behind the Combination Meter
3 IC2
J30(A), J31(B) Junction Connector
R13(A), (B), (C) Rear Combination Light LH
R14(A), (B), (C) Rear Combination Light RH
L 1 License Plate Light LH
L 2 License Plate Light RH
(S/D)
(L/B)
(W/G)
J31(B) Junction Connector
BS
Lower Back Panel Left
Lower Back Panel Center
BT
(*7)
3 BD2 (L/B)
1 BF2 (W/G)
3 BE2
6 BG2
J33(A), J34(B) Junction Connector
J34(B) Junction Connector
BX
Right Side of the Back Door


Power Source
Turn Signal and Hazard Warning Light
1
2
3
4
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : w/ HID
* 6 : w/o HID
* 7 : Behind the Combination Meter
I13 Ignition SW
ACC
AM1
IG1
T10 Turn Signal Flasher Relay
IG
+B
EHW
LL
LR
EL
ER
GND
Integration Relay <1–6><2–5>
IC2
J10(A), J11(B), J24(C), J25(D) Junction Connector
(LHD)
(RHD)
H13 Hazard SW
C12 Combination SW
TL
TB
TR
LH
Off
RH
Turn SW
10A HAZARD
25A AM1
IG1 Relay
7. 5A GAUGE2
J5 Junction Connector
J22(A), J23(B) Junction Connector
C10(A), C11(B) Combination Meter
Turn LH
Turn RH
140A ALT
120A ALT (*3)
100A ALT (*4)
FL MAIN 3. 0W
Battery
R13(A), (B), (C) Rear Combination Light LH
F 7(A), F 8(B) Front Turn Signal Light LH
F 5 Front Side Turn Signal Light LH
F 9(A), F10(B) Front Turn Signal Light RH
F 6 Front Side Turn Signal Light RH
R14(A), (B), (C) Rear Combination Light RH
Turn
(S/D)
(L/B)
(W/G)
J17 Junction Connector
J15 Junction Connector
J16 Junction Connector
Left Kick Panel
IJ
Lower Back Panel Left
BS
Engine Compartment Left
EC
IK
Engine Compartment Right
EB
Lower Back Panel Center (S/D, L/B) Lower Back Panel Right (W/G)
BT
Right Kick Panel
IP
IL


Power Source
Front Fog Light
Rear Fog Light
1
2
3
4
∗ 1 : Gasoline
∗ 2 : 1CD–FTV
∗ 3 : w/ Front Fog Light and Rear Fog Light
∗ 4 : w/ Front Fog Light
∗ 5 : w/ Rear Fog Light
∗ 6 : w/ Rear Fog Light w/o Front Fog Light
∗ 7 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
∗ 8 : 1ZZ–FE, 3ZZ–FE
R–Y (∗5)
11 IC2
10 DA
24 DA
4 DM
Taillight System <14–1>
7. 5A RR FOG
15A FR FOG
TAIL Relay
10A TAIL
1 DN
J30 Junction Connector
3 IC2
J10(A), J11(B), J26(C), J27(D) Junction Connector
(LHD)
(RHD)
R 8 Rear Fog Light Relay
FR FOG Relay
W–R (∗5)
R–W (∗5)
13 IC2
5 IC3
B–L (∗2)
1 ED1
W (∗2)
B (∗2)
B–G (∗1)
1 4D
1 4B
140A ALT
120A ALT (∗7) 100A ALT (∗8)
FL MAIN 3. 0W
Battery
J 3(A), J 4(B) Junction Connector
F 3 Front Fog Light LH
F 4 Front Fog Light RH
C10(A), C11(B) Combination Meter
Front Fog
Rear Fog
C12 Combination SW
Fog Light SW
OFF
Front (∗4)
Rear (∗6)
Rear (∗3)
FR
EF
RR
W–B (RHD)
W–B (LHD)
6 CK
6 CG
6 CA
16 DA
9 DA
R13(A), (B), (C) Rear Combination Light LH
R14(A), (B), (C) Rear Combination Light RH
(S/D)
(L/B)
(W/G)
R–W (LHD ∗5)
R–W (RHD ∗5)
W–B (LHD ∗5)
W–B (RHD ∗5)
Engine Compartment Left
EC
Engine Compartment Right
EB
Right Kick Panel
IP
Left Kick Panel
IJ
Lower Back Panel Left
BS
BT
Lower Back Panel Center (S/D, H/B)
Lower Back Panel Right (W/G)


Power Source
Stop Light
1
2
3
4
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
S13
Stop Light SW
15A
STOP
FL MAIN
3. 0W
Battery
120A ALT (*3)
100A ALT (*4)
140A ALT
Skid Control ECU with Actuator
<20–6><21–5>
Shift Lock Control ECU
<32–4>
Engine and ECT ECU (A/T)
<5–12><6–11><7–8>
Engine ECU (M/T)
<5–12><6–11><7–8><8–12>
H20
High Mounted
Stop Light
J32
Junction
Connector
J30(A), J31(B)
Junction
Connector
R13(A), (B), (C)
Rear Combination
Light LH
R14(A), (B), (C)
Rear Combination
Light RH
N 8
Noise Filter
(Stop Light)
J33(A), J34(B)
Junction
Connector
Lower Back
Panel Left
Lower Back Panel
Center (S/D, L/B)
Lower Back Panel
Right (W/G)
Right Side of
the Back Door

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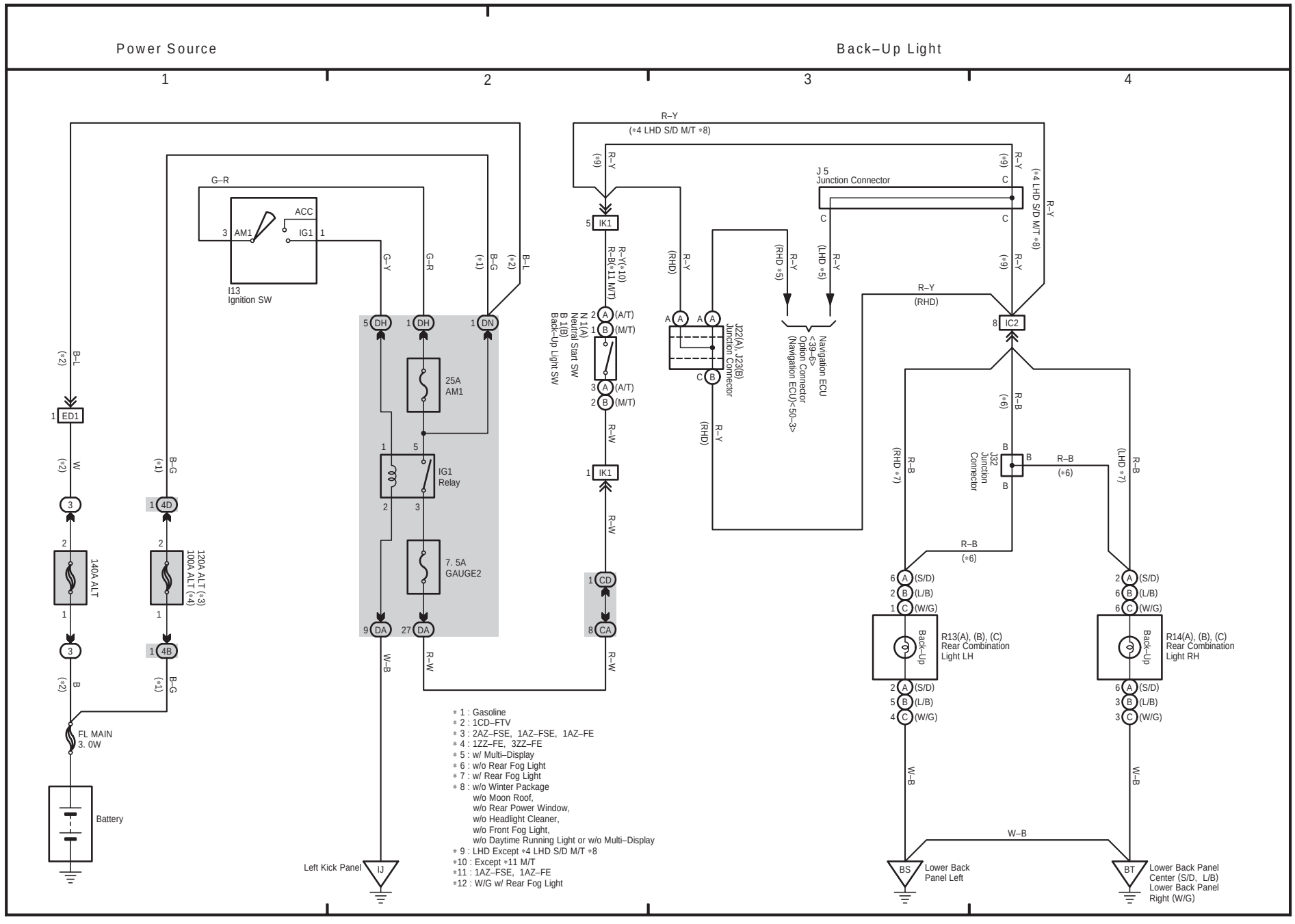
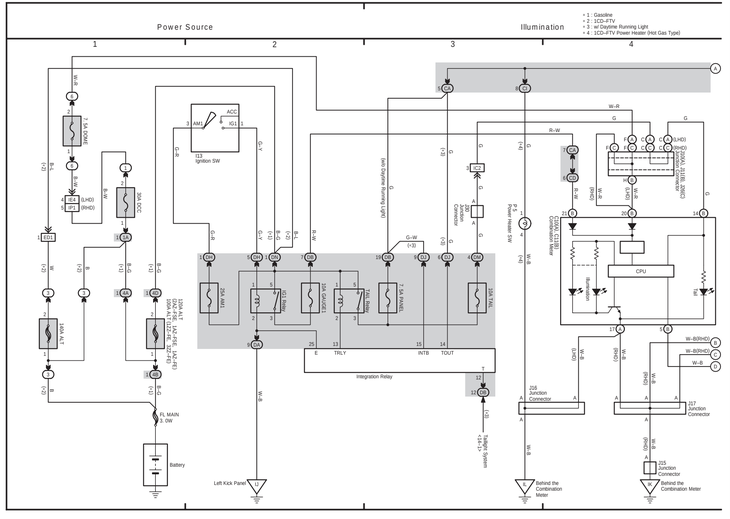
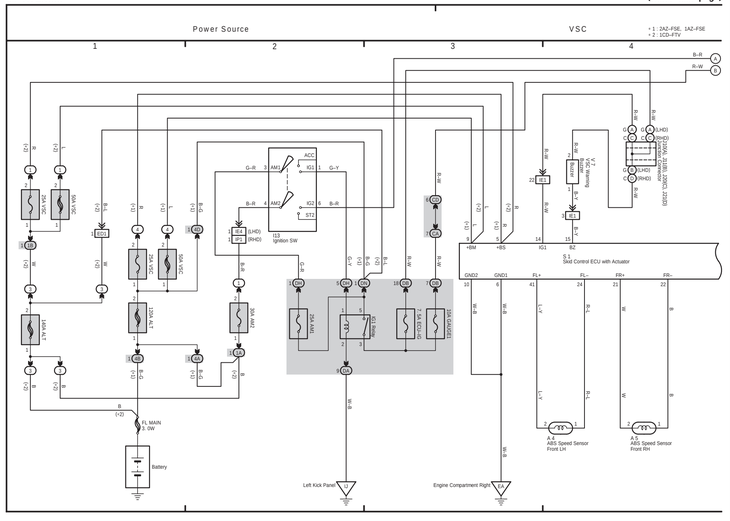
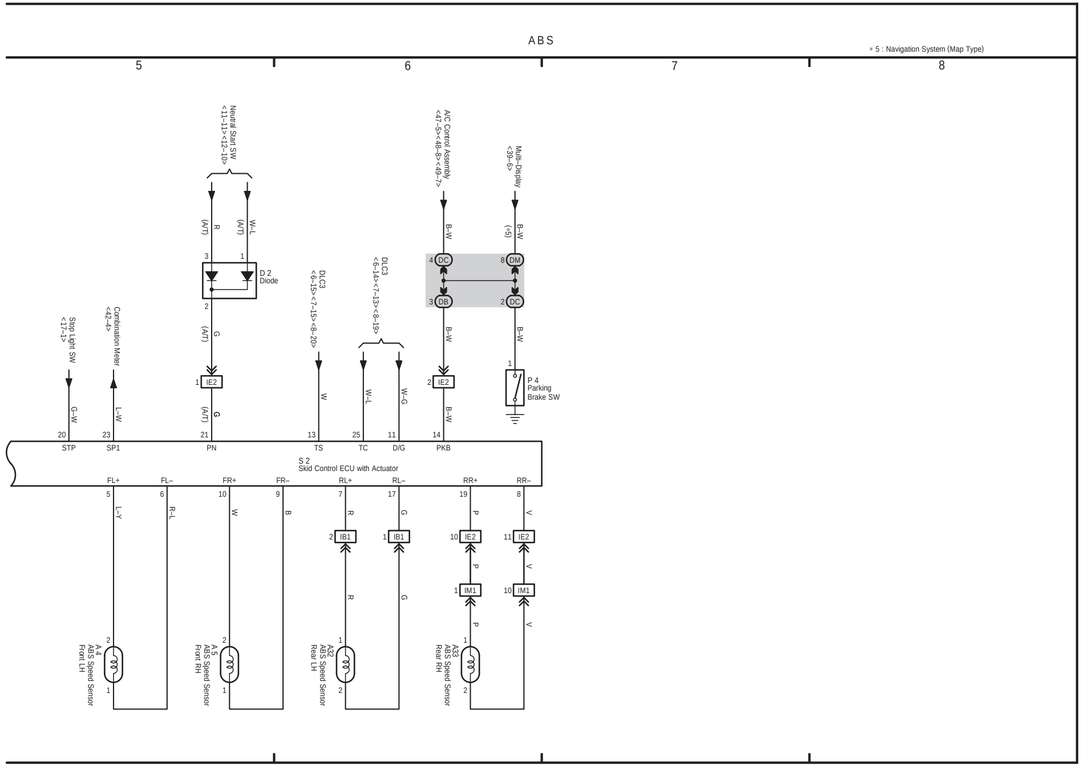
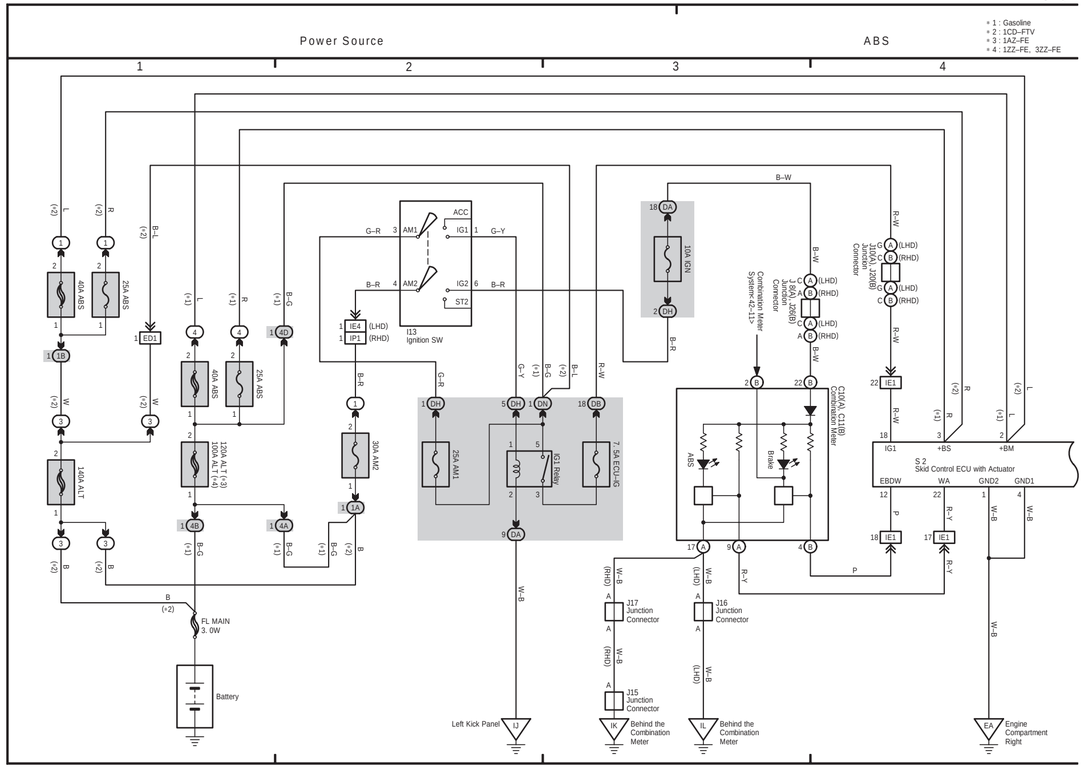
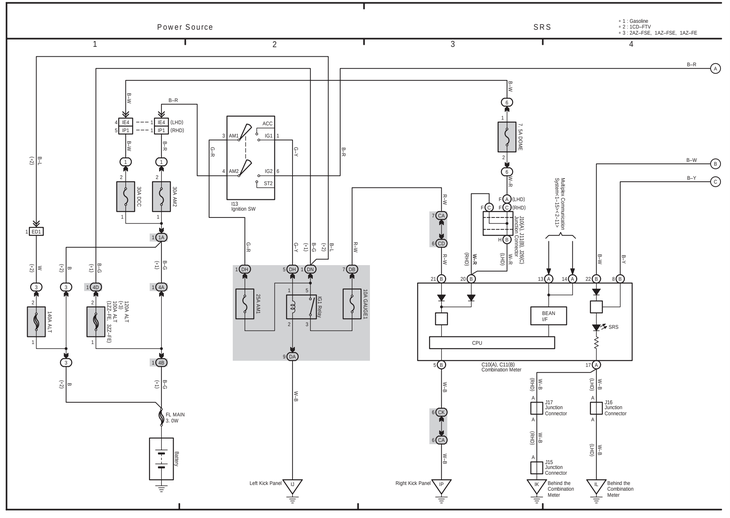

Power Source
Back–Up Light
1
2
3
4
R–Y
(*4 LHD S/D M/T *8)
G–R
ACC
IG1
AM1
I13
Ignition SW
G–Y
B–G
B–L
(*1)
(*2)
(*9)
IK1
R–Y(*10)
R–B(*11 M/T)
Neutral Start SW
B 1(B)
Back–Up Light SW
N 1(A)
(A/T)
(M/T)
(RHD)
(LHD *5)
(RHD *5)
J 5
Junction Connector
J22(A), J23(B)
Junction Connector
Navigation ECU
<39–6>
Option Connector
(Navigation ECU)<50–3>
IC2
(*6)
R–B
(RHD *7)
(LHD *7)
J32
Junction
Connector
ED1
W
B
140A ALT
120A ALT (*3)
100A ALT (*4)
FL MAIN
3. 0W
Battery
25A
AM1
IG1
Relay
7. 5A
GAUGE2
DH
DN
DA
CD
CA
W–B
R–W
Left Kick Panel
IJ
R13(A), (B), (C)
Rear Combination
Light LH
R14(A), (B), (C)
Rear Combination
Light RH
Back–Up
(S/D)
(L/B)
(W/G)
BS
Lower Back
Panel Left
BT
Lower Back Panel
Center (S/D, L/B)
Lower Back Panel
Right (W/G)
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : w/ Multi–Display
* 6 : w/o Rear Fog Light
* 7 : w/ Rear Fog Light
* 8 : w/o Winter Package
w/o Moon Roof,
w/o Rear Power Window,
w/o Headlight Cleaner,
w/o Front Fog Light,
w/o Daytime Running Light or w/o Multi–Display
* 9 : LHD Except *4 LHD S/D M/T *8
*10 : Except *11 M/T
*11 : 1AZ–FSE, 1AZ–FE
*12 : W/G w/ Rear Fog Light

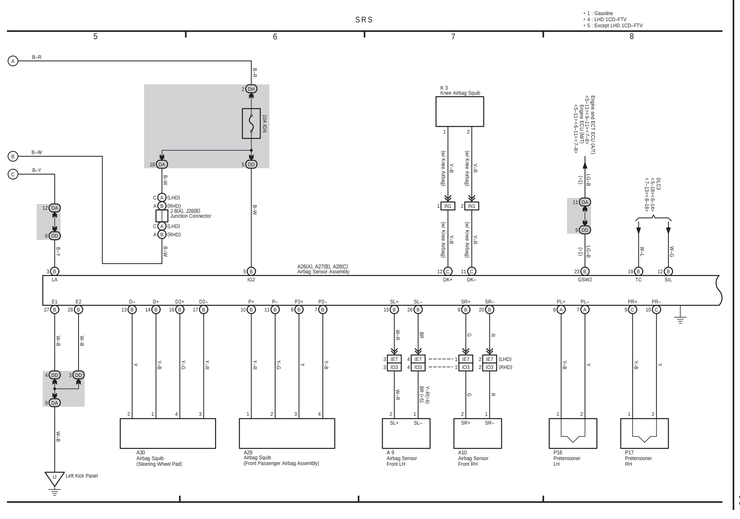

Power Source
Illumination
1
2
3
4
* 1 : Gasoline
* 2 : 1CD-FTV
* 3 : w/ Daytime Running Light
* 4 : 1CD-FTV Power Heater (Hot Gas Type)
ACC
IG1
AM1
ST1
13 Ignition SW
7.5 DOME
30A ACC
10A AM1
10A IG1
10A ECU-IG
10A ST1
10A TAIL
10A HEAD
10A RADIO
10A ECU-B
10A DOME
Integration Relay
E
TRLY
INTB
TOUT
Daytime Running Light
G-W (×3)
Power Heater SW
Power Heater Unit
Glow Plug
Resistor
CPU
Main Body ECU (Multiplex Communication System)
Junction Connector
Tachometer
Tachometer
Engine Control System
Engine Control System
Engine Control System

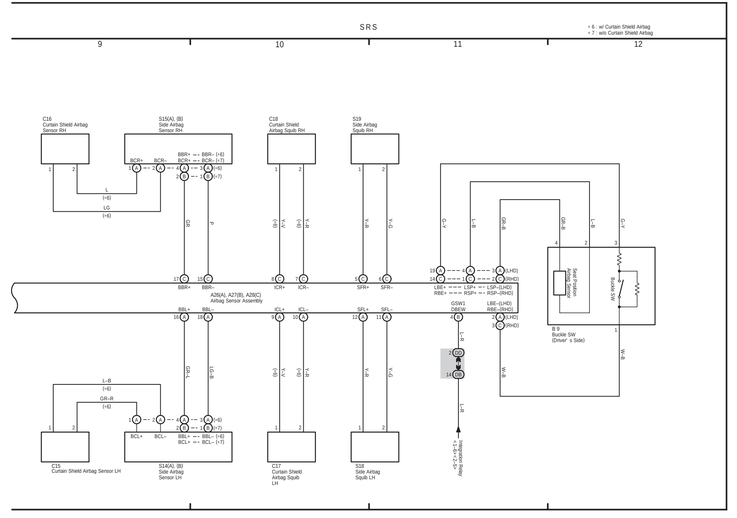

Power Source
VSC
1
2
3
4
* 1 : 2AZ-FSE, 1AZ-FSE
* 2 : 1CD-FTV
B-R
R-W
B-W
G-R
G-Y
B-R
ACC
IG1
IG2
ST2
AM1
AM2
I13
Ignition SW
S72
S71
S/B
S/B VSC
S/B VSC
S/B VSC

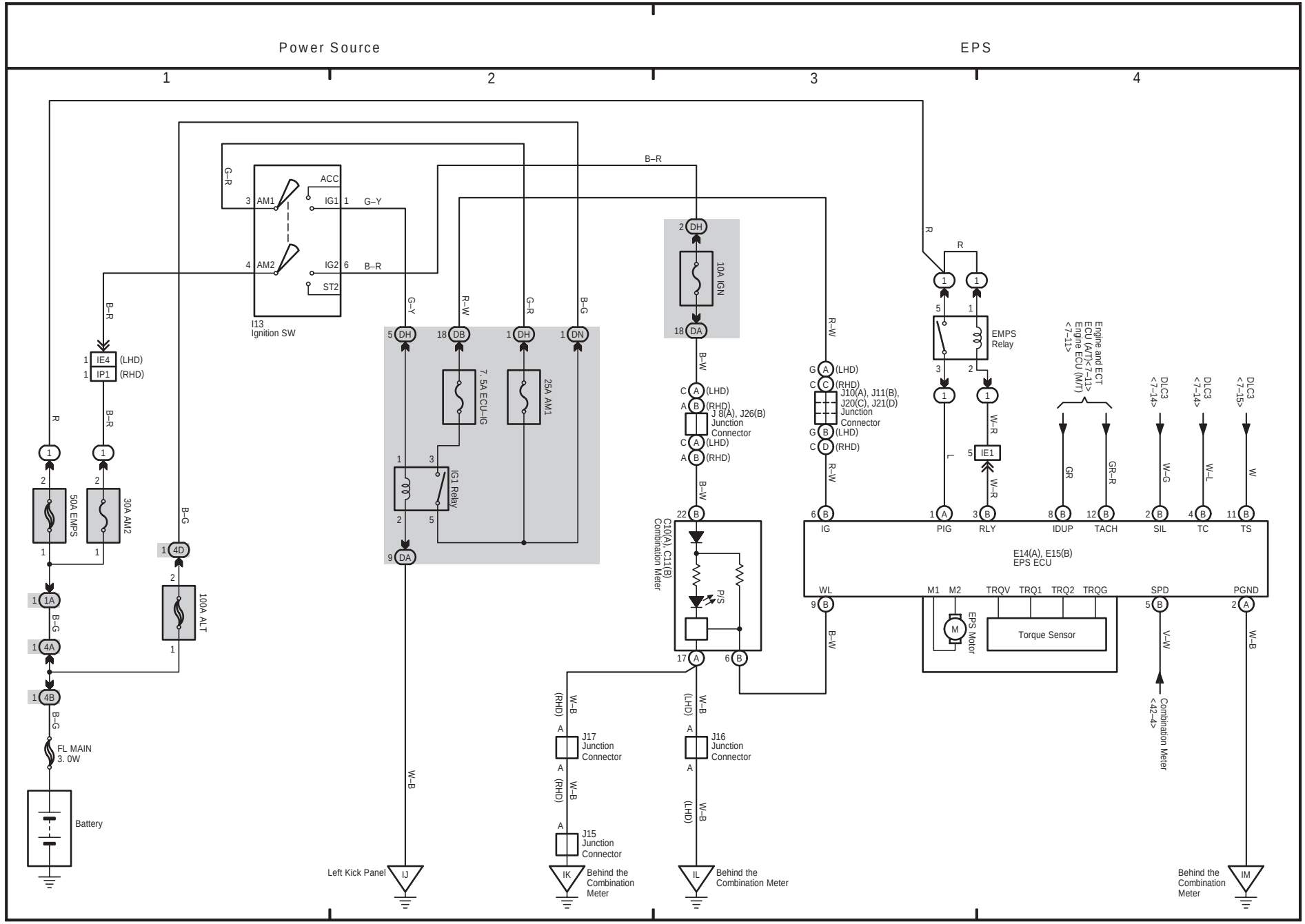

ABS
+ 5 : Navigation System (Map Type)
5
6
7
8
Neutral Start SW
<11~13><12~13>
A/C Control Assembly
<47~53><48~51><49~52>
Multi-Display
<53~5>
(A/T)
(A/T)
D 2
Diode
DLC3
<5~13><7~13><8~20>
DLC3
<5~14><7~13><8~19>
Stop Light SW
<12~13>
Combination Meter
<42~2>
P 4
Parking
Brake SW
STP
SP1
PN
TS
TC
D/G
PKB
S 2
Skid Control ECU with Actuator
FL+
FL–
FR+
FR–
RL+
RL–
RR+
RR–
ABS
Speed Sensor
Front LH
ABS
Speed Sensor
Front RH
ABS
Speed Sensor
Rear LH
ABS
Speed Sensor
Rear RH


+ 1 : Gasoline
+ 2 : 1CD–FTV
+ 3 : 1AZ–FE
+ 4 : 1ZZ–FE, 3ZZ–FE
Power Source
ABS
1
2
3
4
ACC
IG1
IG2
ST2
AM1
AM2
I13
Ignition SW
40A ABS
25A ABS
40A ABS
25A ABS
120A ALT (–3)
100A ALT (–4)
140A ALT
30A AM2
25A AM1
50A IGN
7.5A ECU–IG
ST1 Relay
FL MAIN
3.0W
Battery
Left Kick Panel
I7
J17
Junction
Connector
J15
Junction
Connector
J16
Junction
Connector
Behind the
Combination
Meter
Behind the
Combination
Meter
Engine
Compartment
Right
Combination Meter
System<~42~11>
Combination Meter
<42~2>
C10(A), C11(B)
Combination Meter
Buzzer
Bulb
ABS
10(A), 20(B)
Junction
Block
Connector
S 2
Skid Control ECU with Actuator
EBDW
WA
GND2
GND1

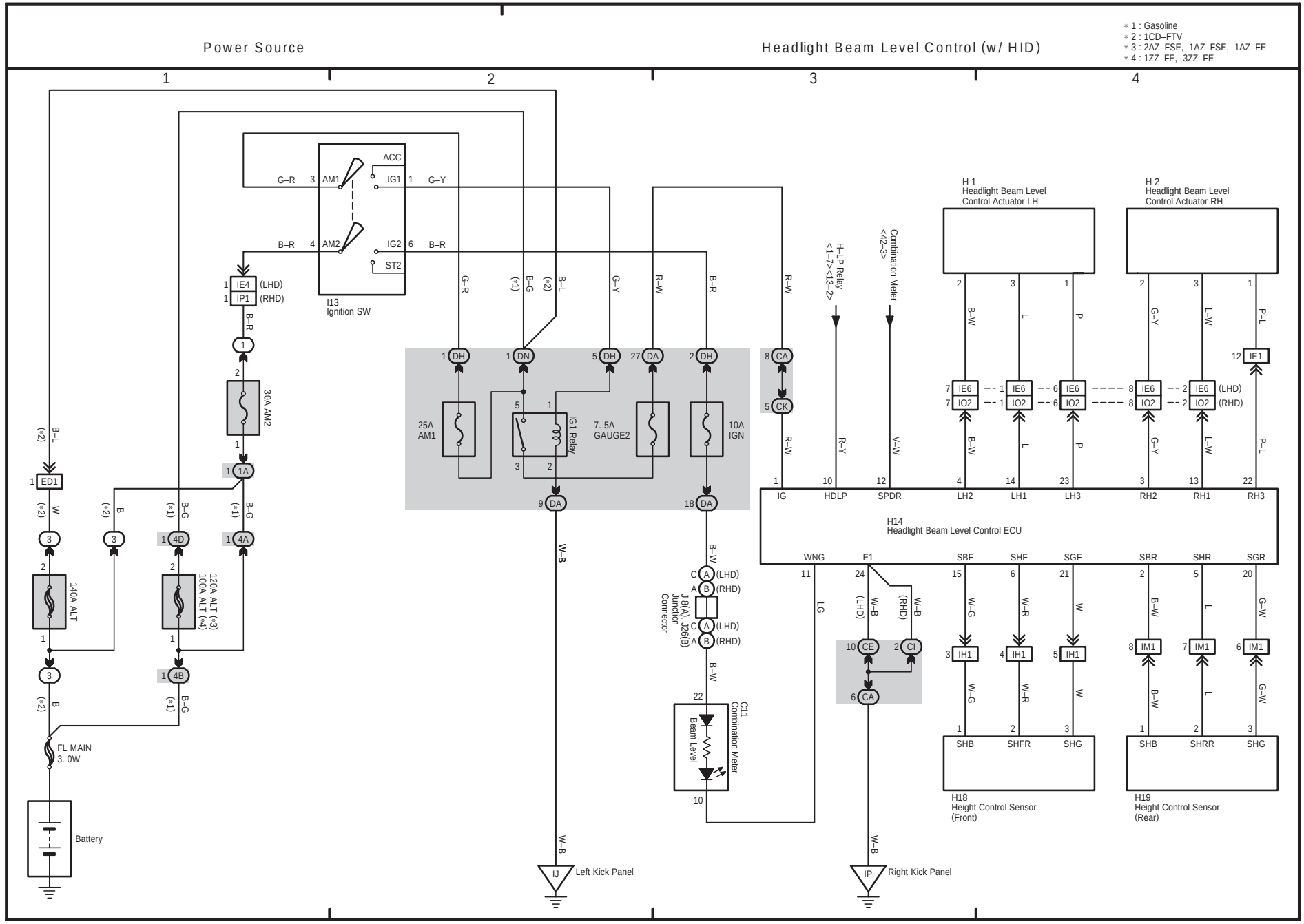

Power Source
SRS
1
2
3
4
* 1 : Gasoline
* 2 : 1CD-FTV
* 3 : 1AZ-FSE, 1AZ-FSE, 1AZ-FE
B-R
B-W
B-Y
ACC
IG1
IG2
ST2
AM1
AM2
IG1
IG2
ST1
IG Ignition SW
EFI 10A
ECU-IG 10A
ECU-B 10A
ECU-B2 10A
SMK-SCC 10A
ABS 10A
STR 10A
ECU-IG2 10A
ECU-B3 10A
HORN 10A
130A ALT
100A ALT
ALT (GEN)
FL MAIN 5. 30A
Battery
Left Kick Panel
Right Kick Panel
Multiple Connection Detection ECU (MCDE)
CPU
BEAN I/F
SRS
C10(A), C11(B) Combination Meter
Behind the Combination Meter
Behind the Combination Meter
J17 Junction Connector
J15 Junction Connector
J25 Junction Connector
(LHD)
(RHD)

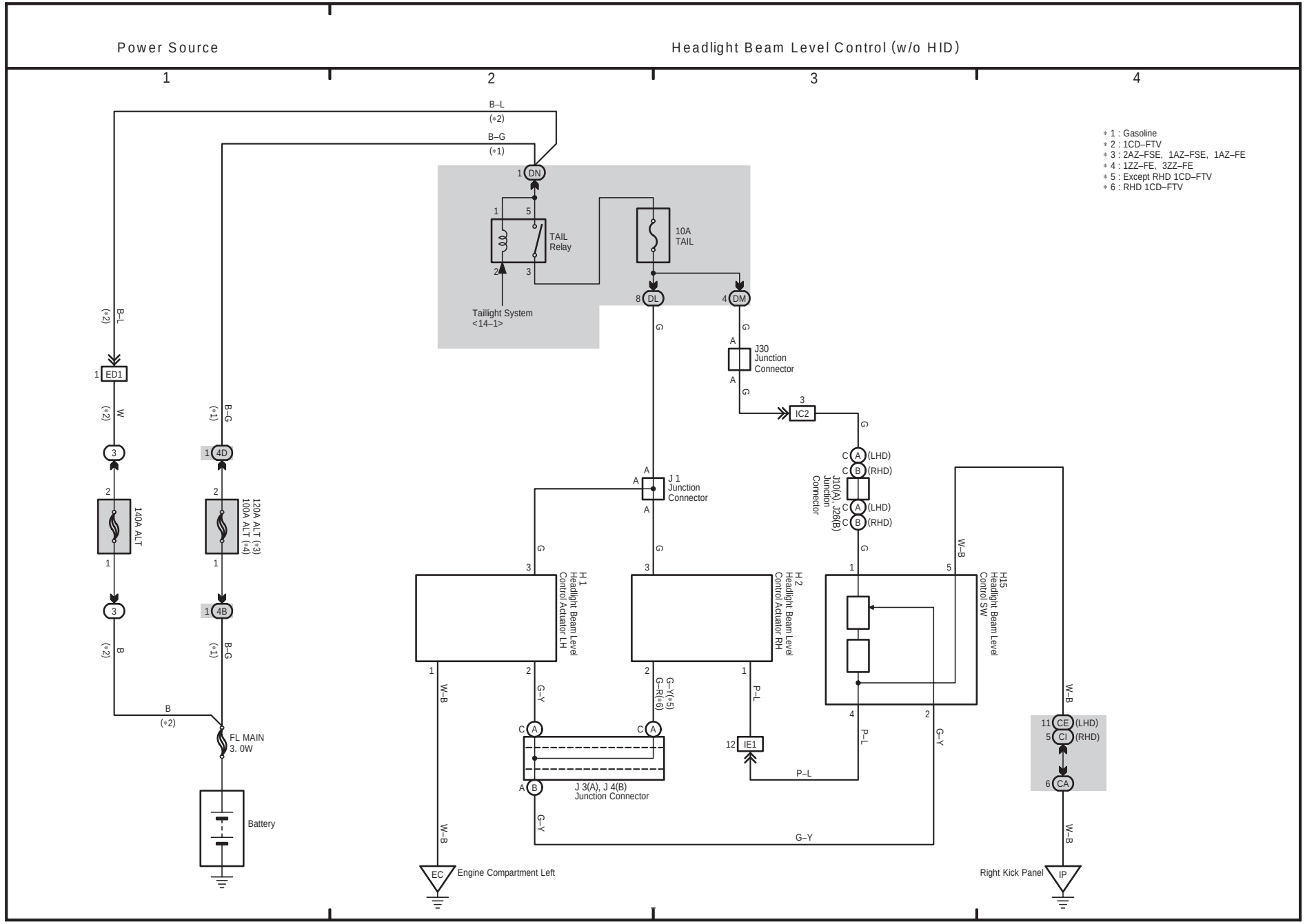

SRS
5
6
7
8
* 1 : Gasoline
* 4 : LHD 1CD-FTV
* 5 : Except LHD 1CD-FTV
B-R
B-W
B-Y
SRS ECU
J/B-A, 2263B Junction Connector
A26(A), A27(B), A28(C) Airbag Sensor Assembly
K 3 Knee Airbag Squib
Seat Belt Pretensioner Squib (LH) (w/ Front Seat Outer Belt Assembly LH)
Seat Belt Pretensioner Squib (RH) (w/ Front Seat Outer Belt Assembly RH)
D13
D14
A20 Airbag Squib (Steering Wheel Pad)
A29 Airbag Squib (Front Passenger Airbag Assembly)
A 9 Airbag Sensor Front LH
A10 Airbag Sensor Front RH
P16 Pretensioner LH
P17 Pretensioner RH
Left Kick Panel
(LHD)
(RHD)


SRS
9
10
11
12
* 6 : w/ Curtain Shield Airbag
* 7 : w/o Curtain Shield Airbag
C16 Curtain Shield Airbag Sensor RH
S15(A), (B) Side Airbag Sensor RH
C18 Curtain Shield Airbag Squib RH
S19 Side Airbag Squib RH
A26(A), A27(B), A28(C) Airbag Sensor Assembly
Clock Spring
B 9 Buckle SW (Driver' s Side)
C15 Curtain Shield Airbag Sensor LH
S14(A), (B) Side Airbag Sensor LH
C17 Curtain Shield Airbag Squib LH
S18 Side Airbag Squib LH
Integration Relay
(LHD)
(RHD)

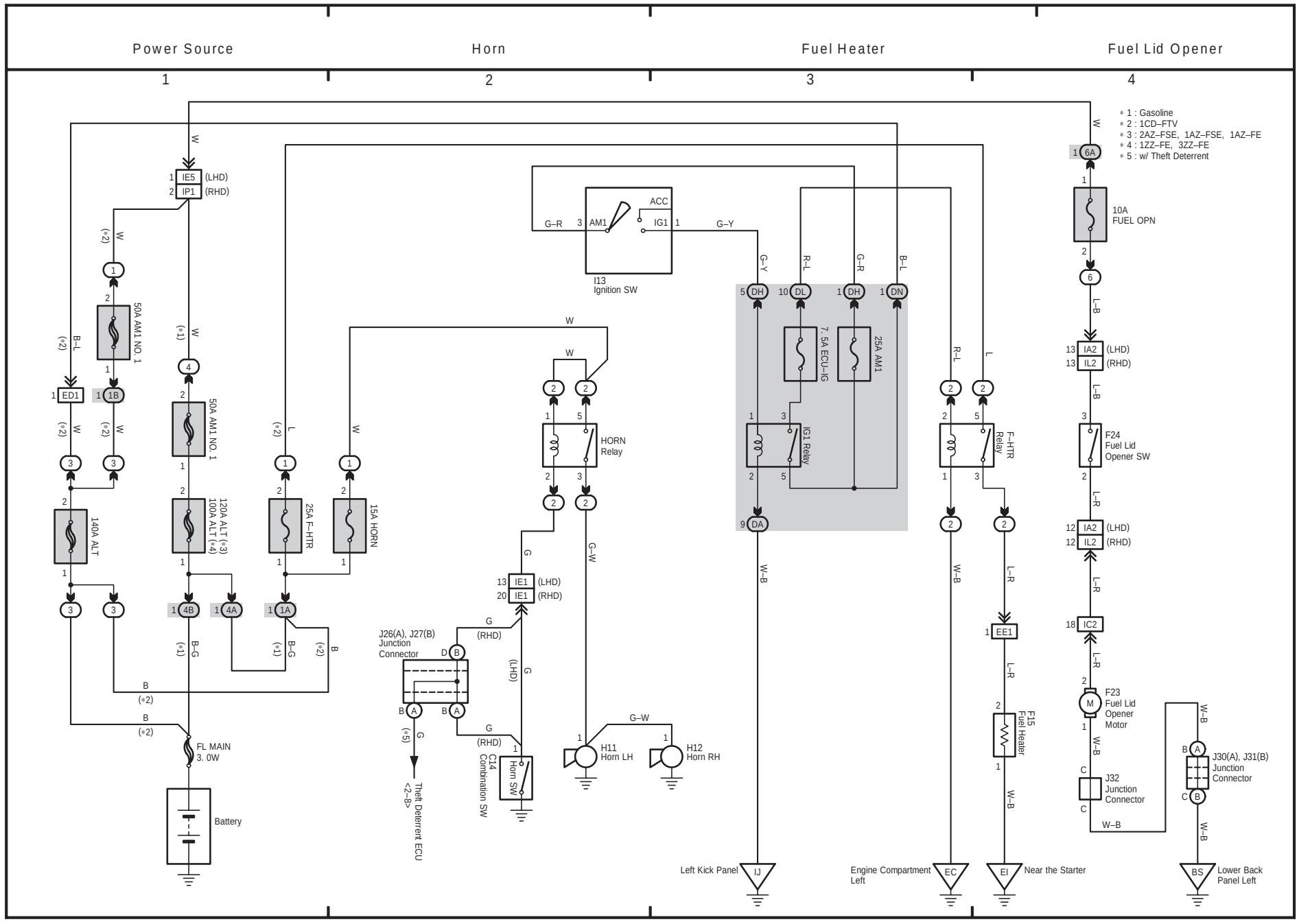

Power Source
EPS
1
2
3
4
ACC
AM1
AM2
IG1
IG2
ST2
I13
Ignition SW
G–R
G–Y
B–R
R–W
B–G
B–W
R
W–B
W–R
L
GR
GR–R
W–G
W–L
W
V–W
W–B
IE4
IP1
(LHD)
(RHD)
50A EMPS
30A AM2
100A ALT
FL MAIN
3. 0W
Battery
10A IGN
7. 5A ECU–IG
25A AM1
IG1 Relay
Left Kick Panel
IJ
J8(A), J26(B)
Junction
Connector
J10(A), J11(B),
J20(C), J21(D)
Junction
Connector
C10(A), C11(B)
Combination Meter
P/S
J17
Junction
Connector
J15
Junction
Connector
J16
Junction
Connector
IK
IL
Behind the
Combination
Meter
EMPS
Relay
Engine and ECT
ECU (AT)<7–11>
Engine ECU (M/T)
<7–11>
DLC3
<7–14>
DLC3
<7–14>
DLC3
<7–15>
IE1
IG
PIG
RLY
IDUP
TACH
SIL
TC
TS
E14(A), E15(B)
EPS ECU
WL
M1
M2
TRQV
TRQ1
TRQ2
TRQG
SPD
PGND
EPS Motor
Torque Sensor
Combination Meter
<42–4>
IM

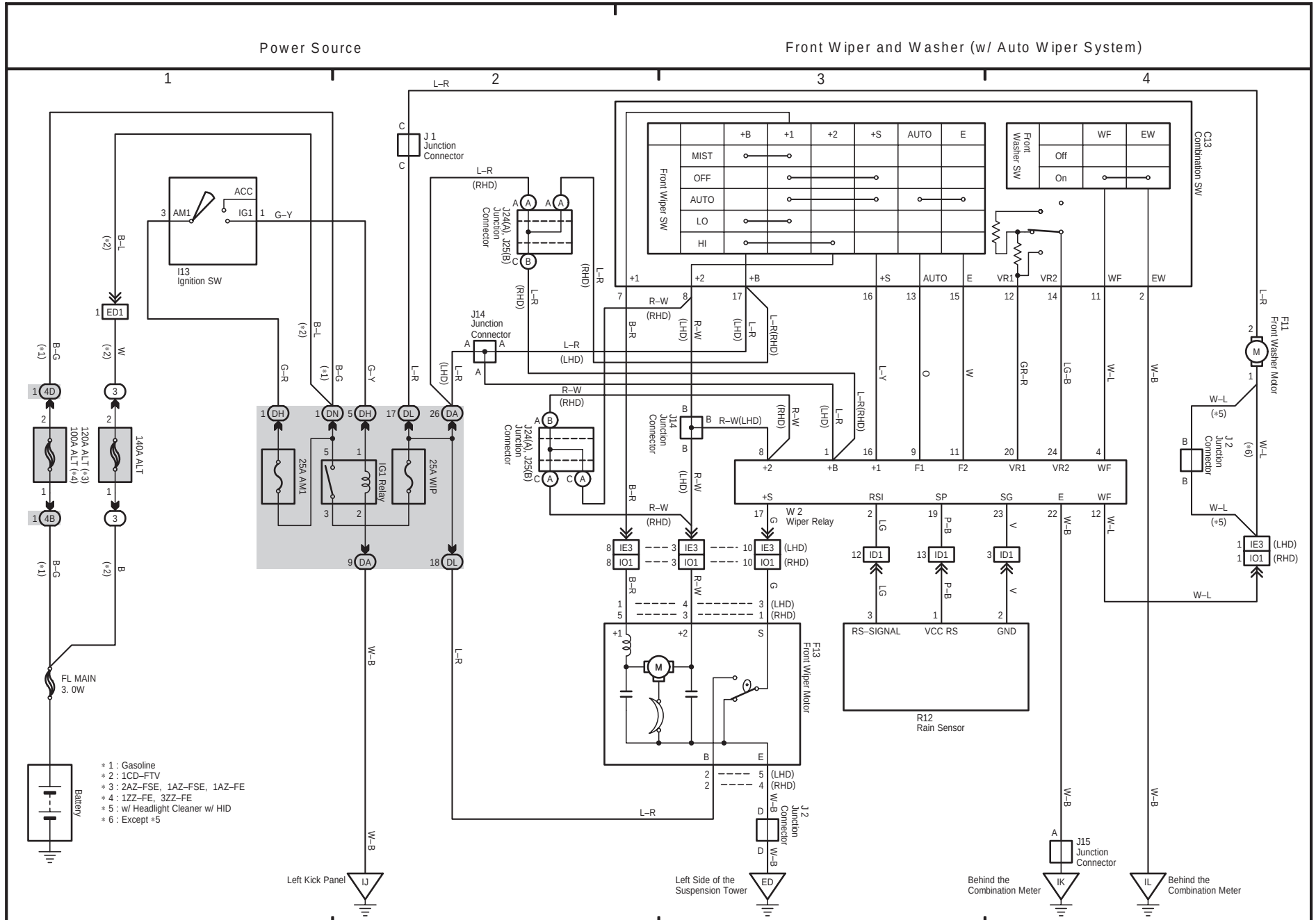
24 AVENSIS

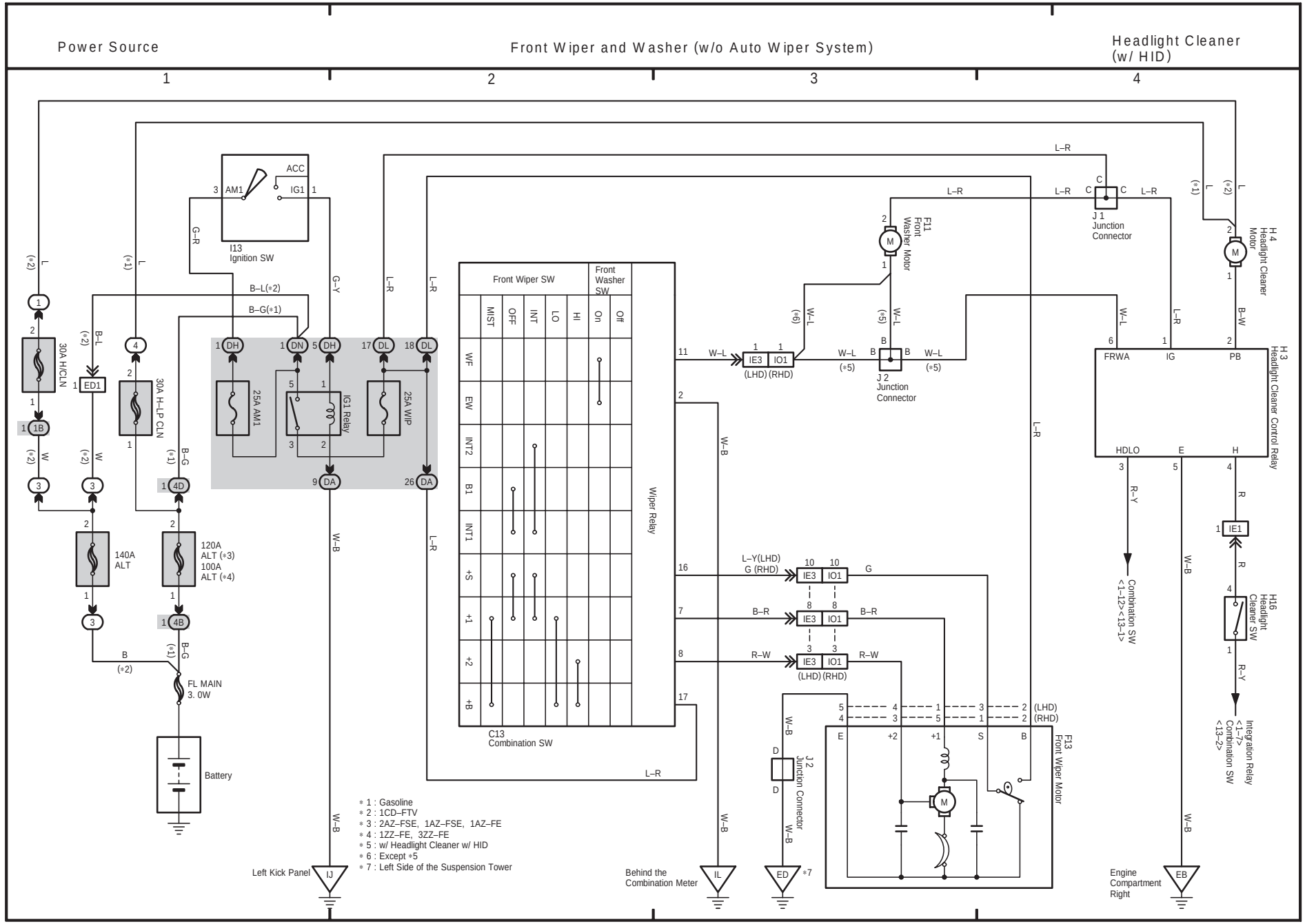

Power Source
Headlight Beam Level Control (w/ HID)
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
1
2
3
4
ACC
IG1
IG2
ST2
AM1
AM2
I13
Ignition SW
IE4 (LHD)
IP1 (RHD)
30A AM2
25A AM1
IG1 Relay
7. 5A GAUGE2
10A IGN
ED1
140A ALT
120A ALT (*3)
100A ALT (*4)
FL MAIN
3. 0W
Battery
H-LP Relay <1–7><13–2>
Combination Meter <42–3>
H 1
Headlight Beam Level Control Actuator LH
H 2
Headlight Beam Level Control Actuator RH
IE6
IO2
IE1
H14
Headlight Beam Level Control ECU
IG
HDLP
SPDR
LH2
LH1
LH3
RH2
RH1
RH3
WNG
E1
SBF
SHF
SGF
SBR
SHR
SGR
IH1
IM1
SHB
SHFR
SHG
SHRR
H18
Height Control Sensor (Front)
H19
Height Control Sensor (Rear)
J 8(A), J26(B) Junction Connector
C11
Combination Meter
Beam Level
Left Kick Panel
Right Kick Panel

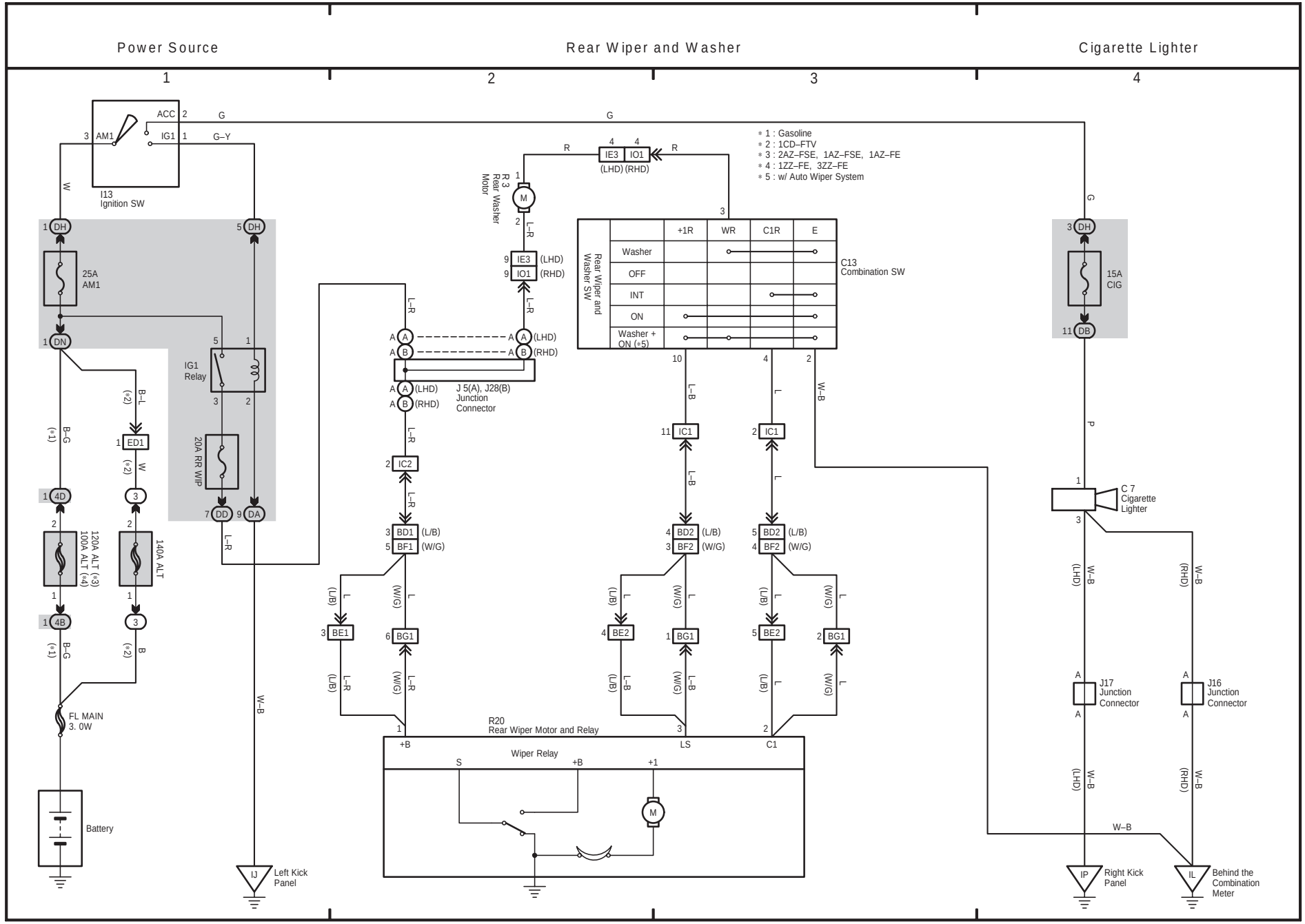

Power Source
Headlight Beam Level Control (w/o HID)
1
2
3
4
∗ 1 : Gasoline
∗ 2 : 1CD–FTV
∗ 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
∗ 4 : 1ZZ–FE, 3ZZ–FE
∗ 5 : Except RHD 1CD–FTV
∗ 6 : RHD 1CD–FTV
B–L (∗2)
B–G (∗1)
1 DN
TAIL Relay
10A TAIL
Taillight System <14–1>
8 DL
4 DM
J30 Junction Connector
3 IC2
1 ED1
W (∗2)
3
2
140A ALT
1
3
B (∗2)
1 4D
120A ALT (∗3) 100A ALT (∗4)
1 4B
B–G (∗1)
B (∗2)
FL MAIN 3. 0W
Battery
J 1 Junction Connector
G
H 1 Headlight Beam Level Control Actuator LH
H 2 Headlight Beam Level Control Actuator RH
W–B
G–Y
G–Y(∗5) G–R(∗6)
P–L
12 IE1
J 3(A), J 4(B) Junction Connector
C (A) (LHD)
C (B) (RHD)
110(A), 126(B) Junction Connector
H15 Headlight Beam Level Control SW
11 CE (LHD)
5 CI (RHD)
6 CA
EC Engine Compartment Left
Right Kick Panel IP

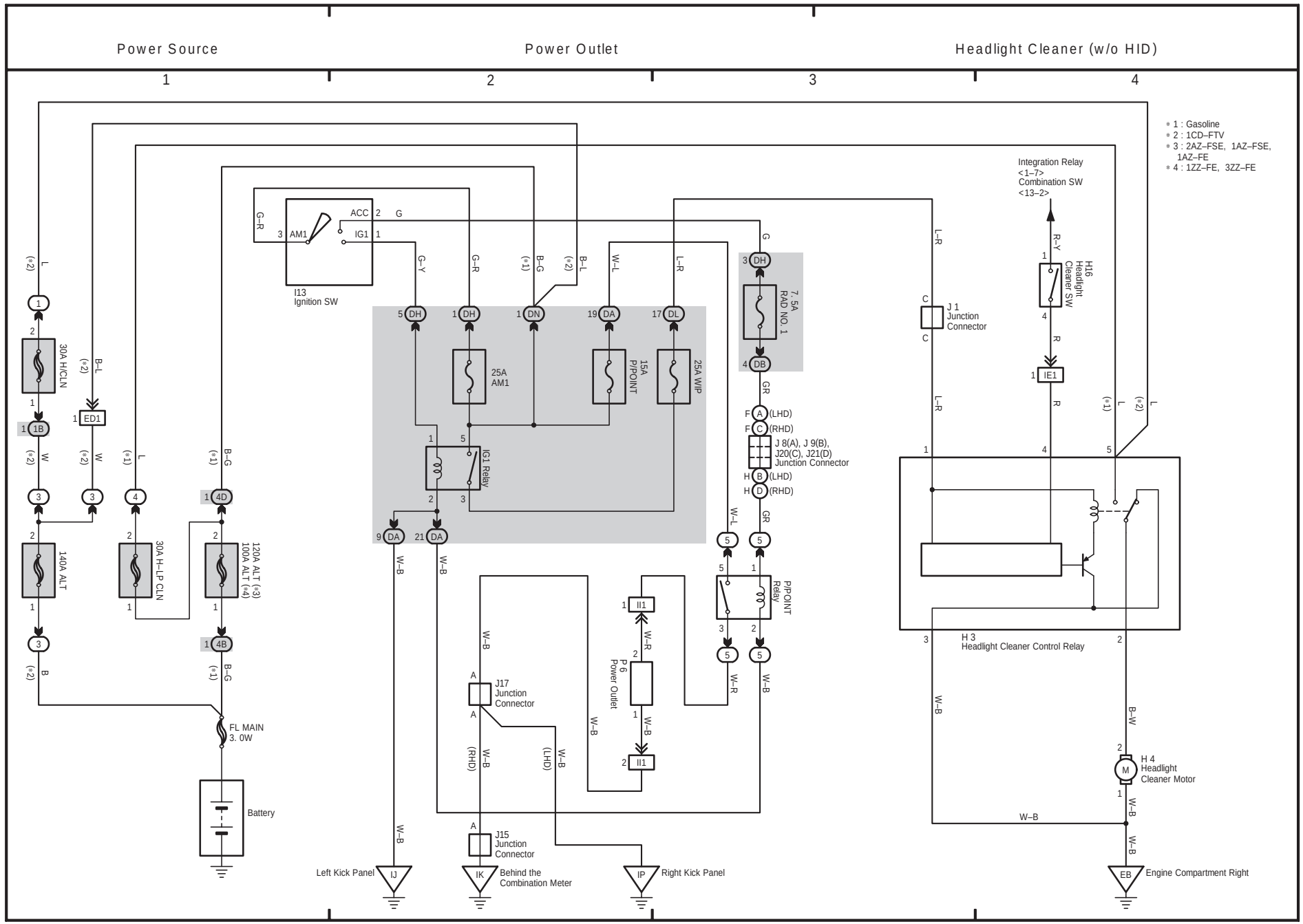
26 AVENSIS

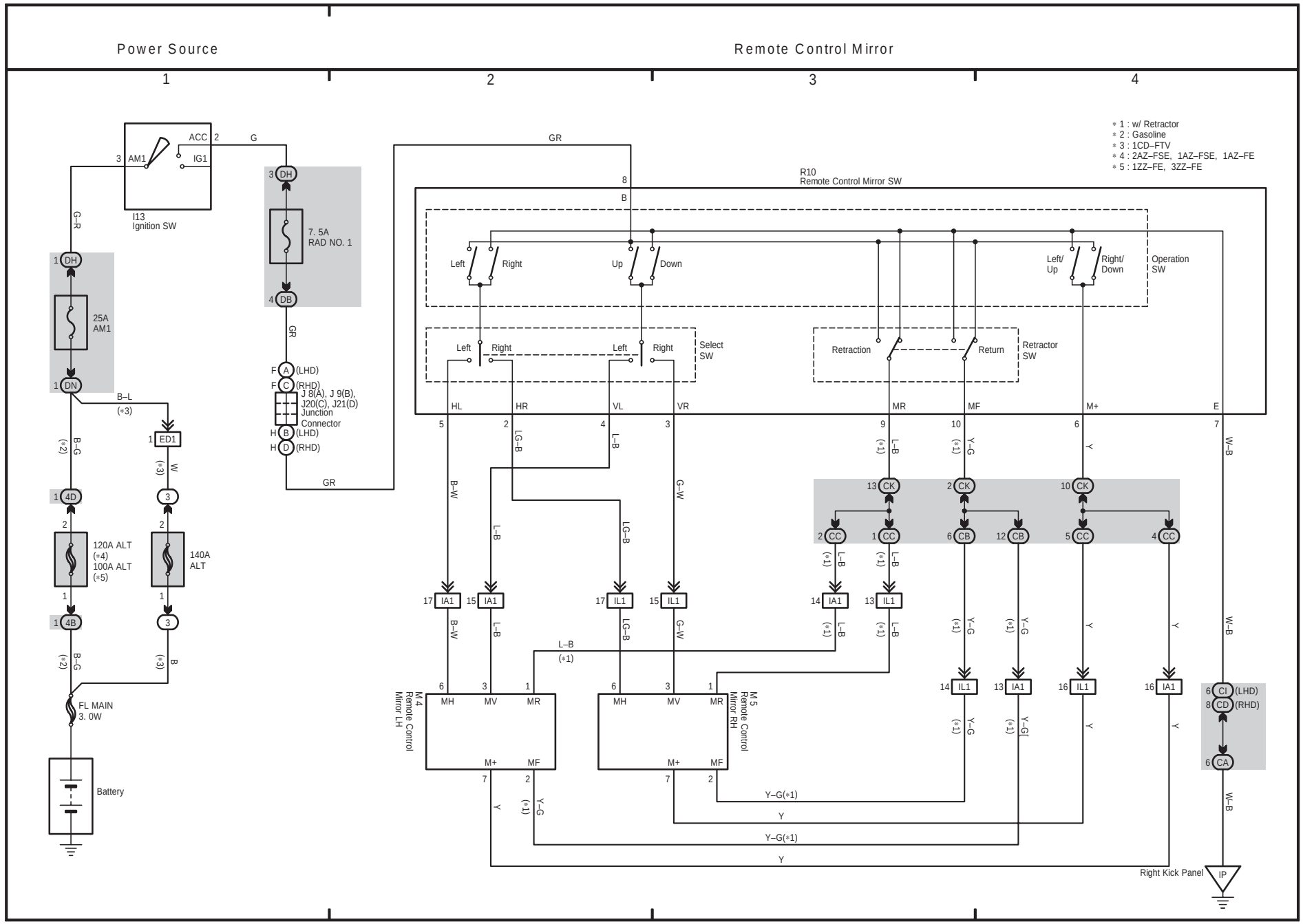

Power Source
Horn
Fuel Heater
Fuel Lid Opener
1
2
3
4
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : w/ Theft Deterrent
IE5 (LHD)
IP1 (RHD)
50A AM1 NO. 1
50A AM1 NO. 1
140A ALT
120A ALT (*3)
100A ALT (*4)
25A F–HTR
15A HORN
FL MAIN
3. 0W
Battery
ACC
AM1
IG1
I13
Ignition SW
7. 5A ECU–IG
25A AM1
IG1 Relay
HORN
Relay
F–HTR
Relay
IE1 (LHD)
IE1 (RHD)
J26(A), J27(B)
Junction
Connector
C14
Combination SW
Horn SW
Theft Deterrent ECU
<2–8>
H11
Horn LH
H12
Horn RH
10A
FUEL OPN
IA2 (LHD)
IL2 (RHD)
F24
Fuel Lid
Opener SW
IC2
F23
Fuel Lid
Opener
Motor
J32
Junction
Connector
J30(A), J31(B)
Junction
Connector
EE1
F15
Fuel Heater
Left Kick Panel
IJ
Engine Compartment
Left
EC
EI
Near the Starter
BS
Lower Back
Panel Left

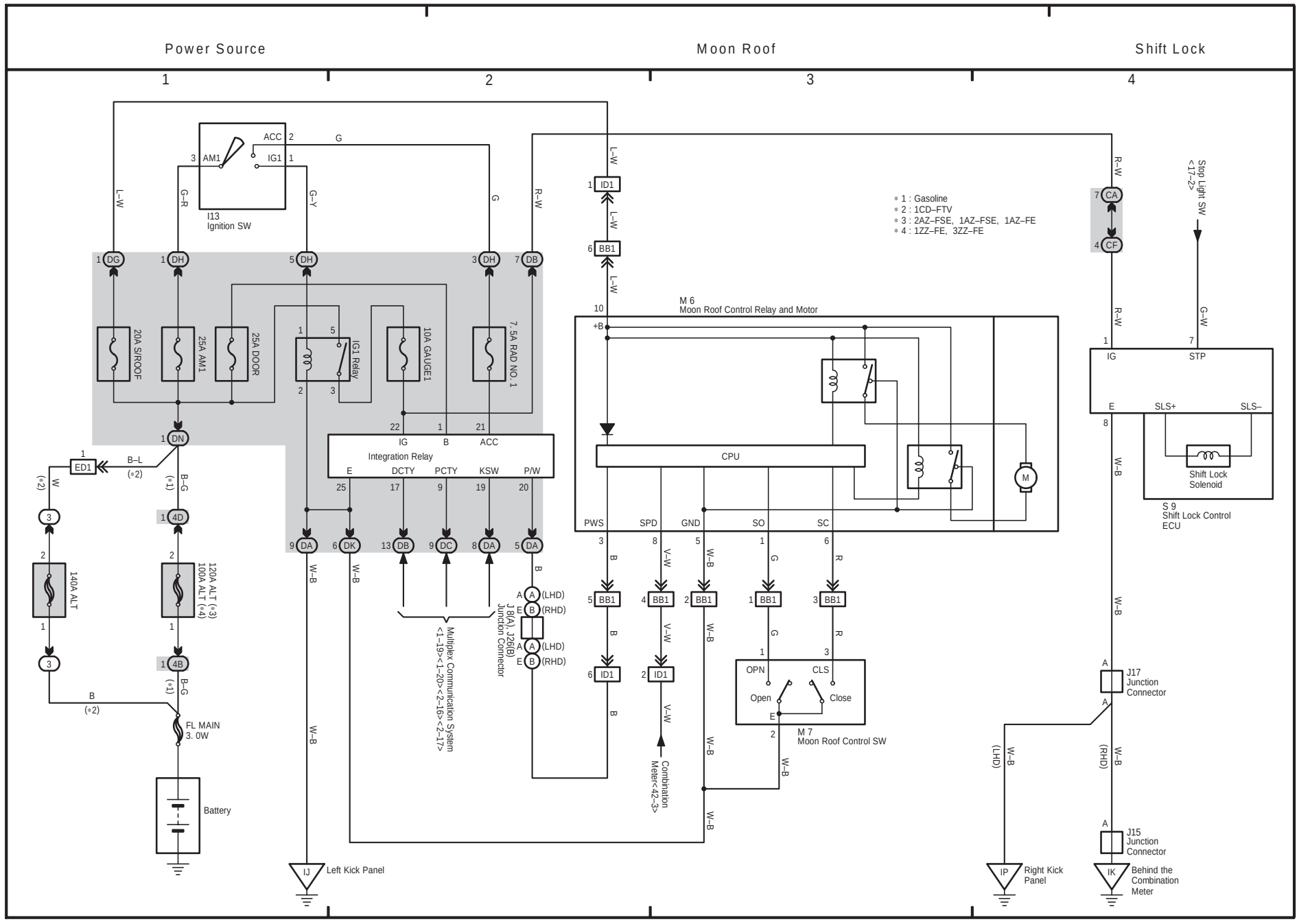

Power Source
Front Wiper and Washer (w/ Auto Wiper System)
1
2
3
4
J 1 Junction Connector
I13 Ignition SW
ACC
IG1
AM1
ED1
4D
4B
120A ALT (*3) 100A ALT (*4)
140A ALT
FL MAIN 3. 0W
Battery
25A AM1
IG1 Relay
25A WIP
DH
DN
DA
DL
J24(A), J25(B) Junction Connector
J14 Junction Connector
Front Wiper SW
MIST
OFF
AUTO
LO
HI
Front Washer SW
Off
On
C13 Combination SW
W 2 Wiper Relay
IE3
IO1
F13 Front Wiper Motor
R12 Rain Sensor
RS–SIGNAL
VCC RS
GND
F11 Front Washer Motor
J2 Junction Connector
J15 Junction Connector
Left Kick Panel
IJ
Left Side of the Suspension Tower
ED
Behind the Combination Meter
IK
IL
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : w/ Headlight Cleaner w/ HID
* 6 : Except *5

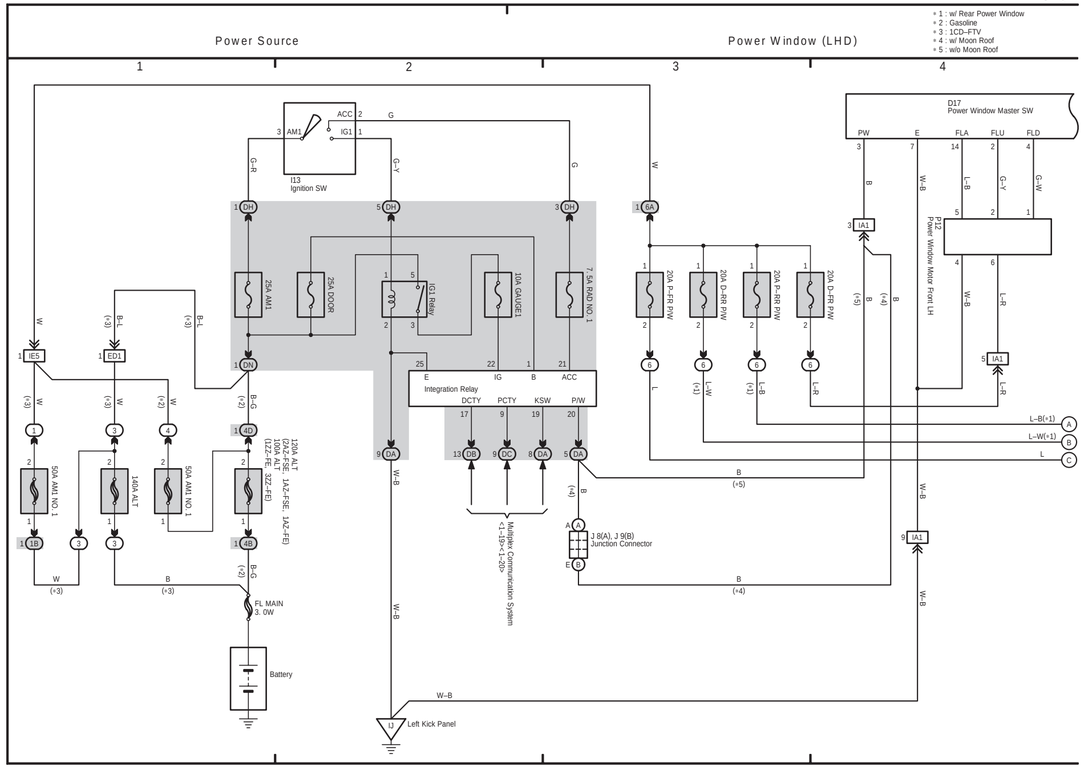

Power Source
Front Wiper and Washer (w/o Auto Wiper System)
Headlight Cleaner (w/ HID)
1
2
3
4
ACC
IG1
AM1
I13 Ignition SW
30A H/CLN
30A H-LP CLN
140A ALT
120A ALT (*3)
100A ALT (*4)
FL MAIN 3. 0W
Battery
25A AM1
IG1 Relay
25A WIP
Front Wiper SW
Front Washer SW
MIST
OFF
INT
LO
HI
On
Off
WF
EW
INT2
B1
INT1
+S
+1
+2
+B
Wiper Relay
C13 Combination SW
F11 Front Washer Motor
J 1 Junction Connector
J 2 Junction Connector
H 4 Headlight Cleaner Motor
H 3 Headlight Cleaner Control Relay
FRWA
IG
PB
HDLO
E
H
H16 Headlight Cleaner SW
Integration Relay <1–7> Combination SW <13–2>
Combination SW <1–12><13–1>
F13 Front Wiper Motor
Left Kick Panel
IJ
Behind the Combination Meter
IL
Engine Compartment Right
EB
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : w/ Headlight Cleaner w/ HID
* 6 : Except *5
* 7 : Left Side of the Suspension Tower

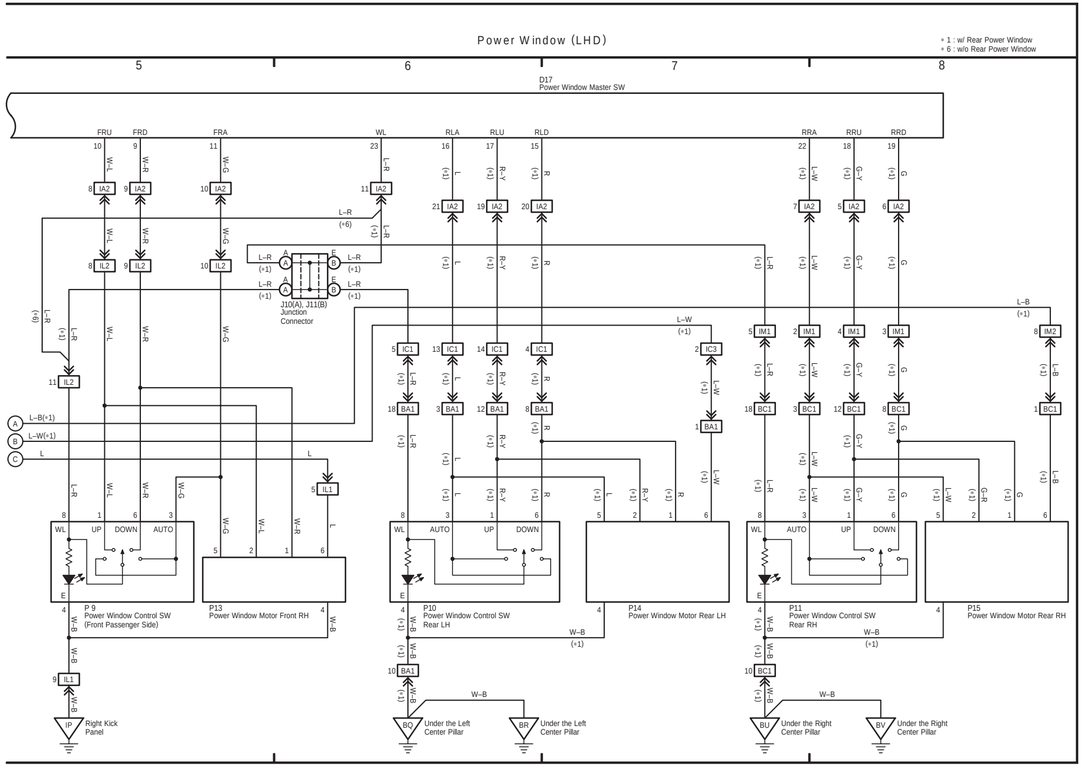

Power Source
Rear Wiper and Washer
Cigarette Lighter
1
2
3
4
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : w/ Auto Wiper System
I13
Ignition SW
ACC
AM1
IG1
G–Y
25A
AM1
IG1
Relay
20A RR WIP
120A ALT (*3)
100A ALT (*4)
140A ALT
FL MAIN
3. 0W
Battery
IJ
Left Kick
Panel
R 3
Rear Washer
Motor
IE3
IO1
(LHD) (RHD)
J 5(A), J28(B)
Junction
Connector
C13
Combination SW
Rear Wiper and
Washer SW
+1R
WR
C1R
E
Washer
OFF
INT
ON
Washer +
ON (*5)
R20
Rear Wiper Motor and Relay
Wiper Relay
+B
S
+1
LS
C1
15A
CIG
C 7
Cigarette
Lighter
J17
Junction
Connector
J16
Junction
Connector
IP
Right Kick
Panel
IL
Behind the
Combination
Meter


Power Source
Power Outlet
Headlight Cleaner (w/o HID)
1
2
3
4
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
I13 Ignition SW
ACC
IG1
AM1
30A H/CLN
140A ALT
30A H–LP CLN
120A ALT (*3)
100A ALT (*4)
FL MAIN 3. 0W
Battery
25A AM1
15A P/POINT
25A WIP
7. 5A RAD NO. 1
IG1 Relay
P/POINT Relay
J 8(A), J 9(B), J20(C), J21(D) Junction Connector
J 1 Junction Connector
J17 Junction Connector
J15 Junction Connector
P 6 Power Outlet
Integration Relay <1–7> Combination SW <13–2>
H16 Headlight Cleaner SW
H 3 Headlight Cleaner Control Relay
H 4 Headlight Cleaner Motor
Left Kick Panel
Behind the Combination Meter
Right Kick Panel
Engine Compartment Right

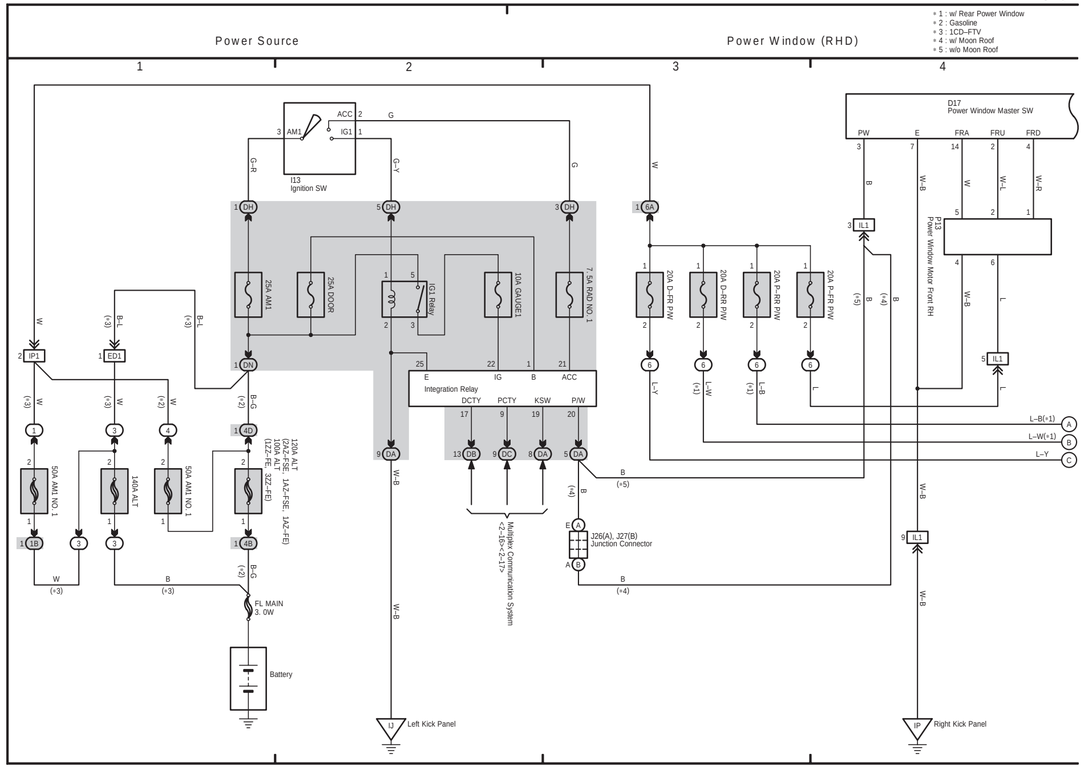

Power Source
Remote Control Mirror
1
2
3
4
* 1 : w/ Retractor
* 2 : Gasoline
* 3 : 1CD–FTV
* 4 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 5 : 1ZZ–FE, 3ZZ–FE
ACC
IG1
AM1
I13
Ignition SW
7. 5A
RAD NO. 1
25A
AM1
120A ALT
(*4)
100A ALT
(*5)
140A
ALT
FL MAIN
3. 0W
Battery
J 8(A), J 9(B),
J20(C), J21(D)
Junction
Connector
(LHD)
(RHD)
R10
Remote Control Mirror SW
Left
Right
Up
Down
Left/
Up
Right/
Down
Operation
SW
Select
SW
Retraction
Return
Retractor
SW
HL
HR
VL
VR
MR
MF
M+
E
M 4
Remote Control
Mirror LH
M 5
Remote Control
Mirror RH
MH
MV
MR
Right Kick Panel
IP

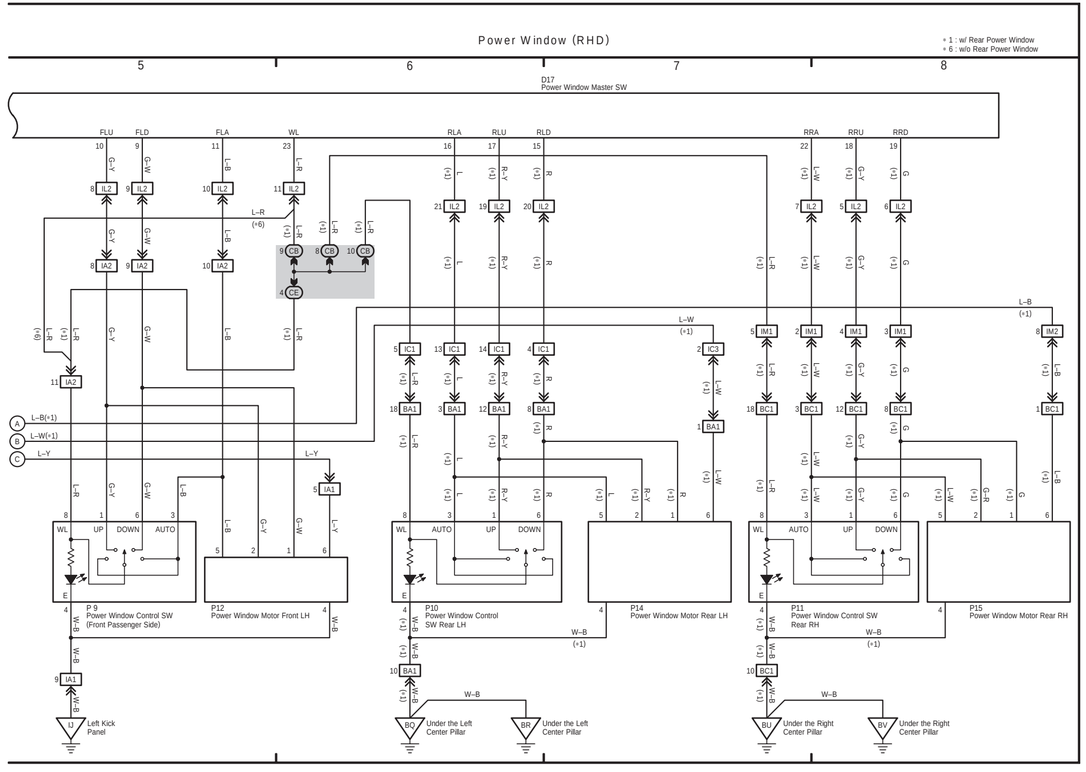

Power Source
Moon Roof
Shift Lock
1
2
3
4
I13
Ignition SW
ACC
IG1
AM1
20A S/ROOF
25A AM1
25A DOOR
IG1 Relay
10A GAUGE1
7.5A RAD NO.1
Integration Relay
IG
B
ACC
E
DCTY
PCTY
KSW
P/W
ED1
140A ALT
120A ALT (*3)
100A ALT (*4)
FL MAIN
3.0W
Battery
Multiplex Communication System
<1–19><1–20><2–16><2–17>
J8(A), J26(B)
Junction Connector
(LHD)
(RHD)
Combination Meter<42–3>
M 6
Moon Roof Control Relay and Motor
+B
CPU
PWS
SPD
GND
SO
SC
M
M 7
Moon Roof Control SW
OPN
CLS
Open
Close
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
Stop Light SW
<17–2>
IG
STP
SLS+
SLS–
Shift Lock
Solenoid
S 9
Shift Lock Control
ECU
J17
Junction
Connector
J15
Junction
Connector
Left Kick Panel
Right Kick
Panel
Behind the
Combination
Meter

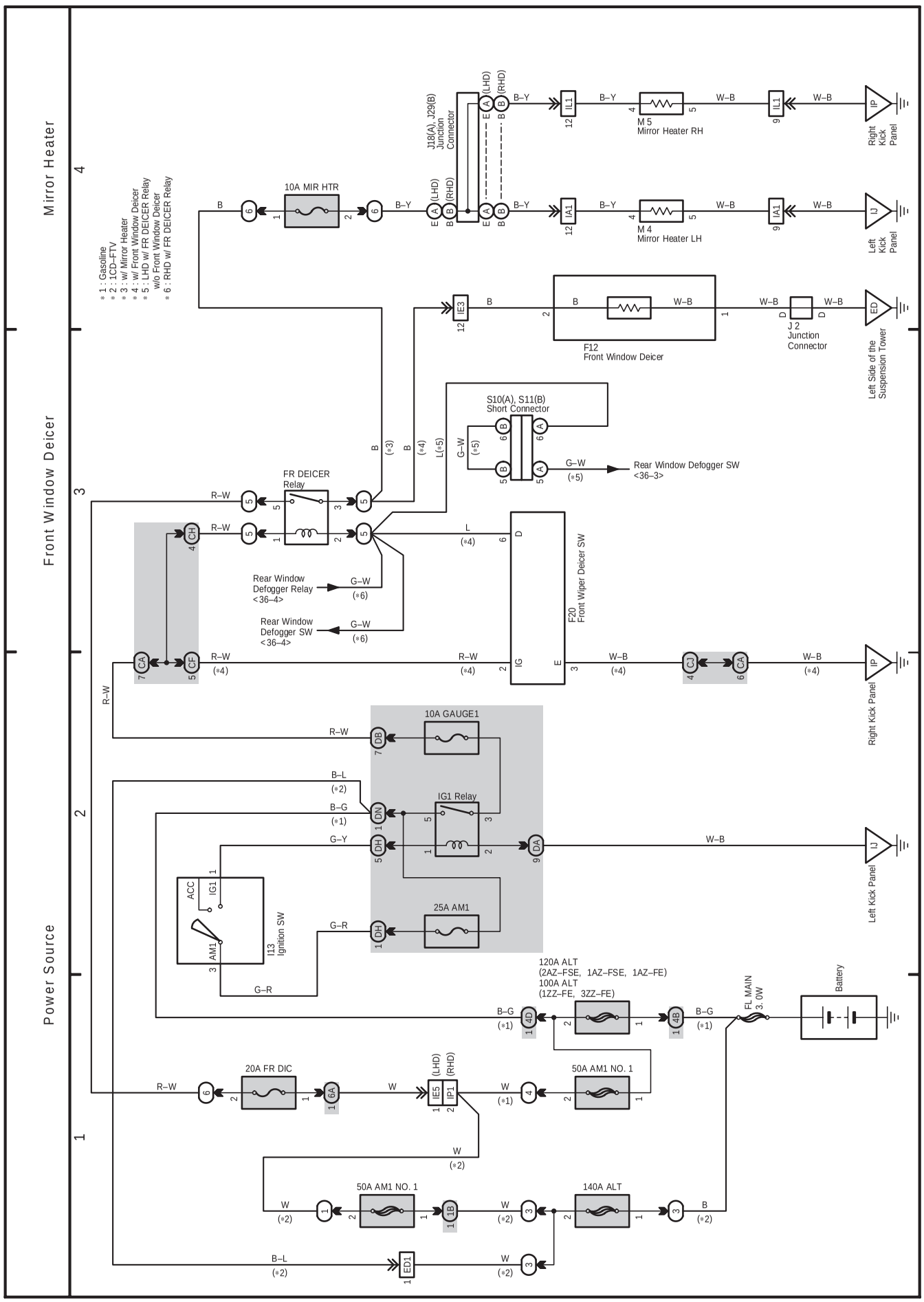

Power Source
Power Window (LHD)
* 1 : w/ Rear Power Window
* 2 : Gasoline
* 3 : 1CD–FTV
* 4 : w/ Moon Roof
* 5 : w/o Moon Roof
I13 Ignition SW
D17 Power Window Master SW
P12 Power Window Motor Front LH
25A AM1
25A DOOR
10A IG1 Relay
10A GAUGE1
7.5A RAD NO. 1
20A P–FR PW
20A D–RR PW
20A P–RR PW
20A D–FR PW
Integration Relay
DCTY PCTY KSW P/W
E IG B ACC
50A AM1 NO. 1
140A ALT
50A AM1 NO. 1
120A ALT (2AZ–FSE, 1AZ–FSE, 1AZ–FE) 90A ALT (2ZZ–FE, 3ZZ–FE)
FL MAIN 3. 0W
Battery
J 8(A), J 9(B) Junction Connector
Multiplex Communication System <1–13>*1, 1–20>
Left Kick Panel
L–B(+1)
L–W(+1)
L
B (+5)
B (+4)
W–B
W (+3)
B (+3)

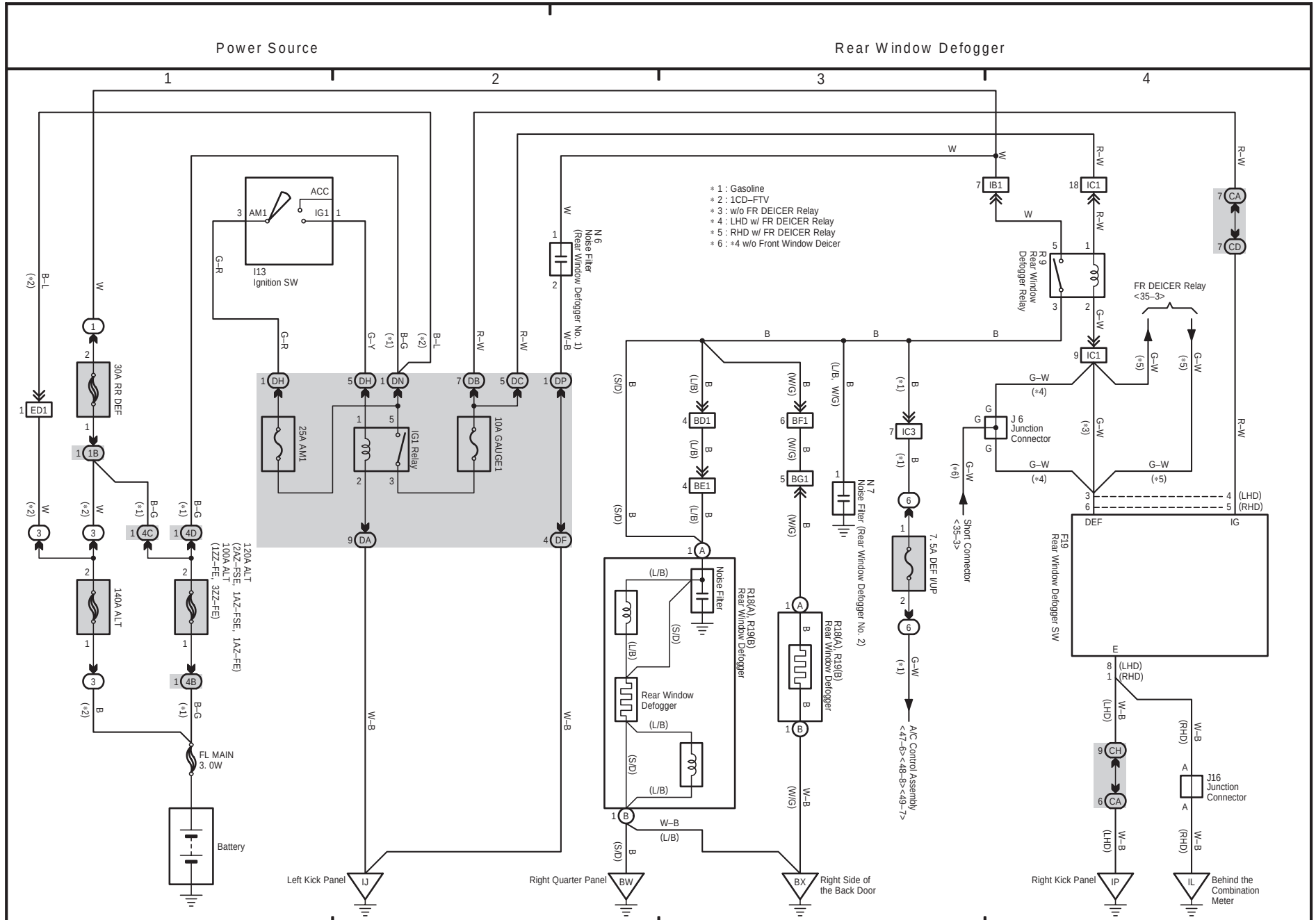

Power Window (LHD)
* 1 : w/ Rear Power Window
* 6 : w/o Rear Power Window
D17 Power Window Master SW
FRU FRD FRA WL RLA RLU RLD RRA RRU RRD
J10(A), J11(B) Junction Connector
P 9 Power Window Control SW (Front Passenger Side)
P13 Power Window Motor Front RH
P10 Power Window Control SW Rear LH
P14 Power Window Motor Rear LH
P11 Power Window Control SW Rear RH
P15 Power Window Motor Rear RH
Right Kick Panel
Under the Left Center Pillar
Under the Left Center Pillar
Under the Right Center Pillar
Under the Right Center Pillar
W–B (+1)
W–B (+6)
L–R (+6)
L–W (+1)
L–B (+1)

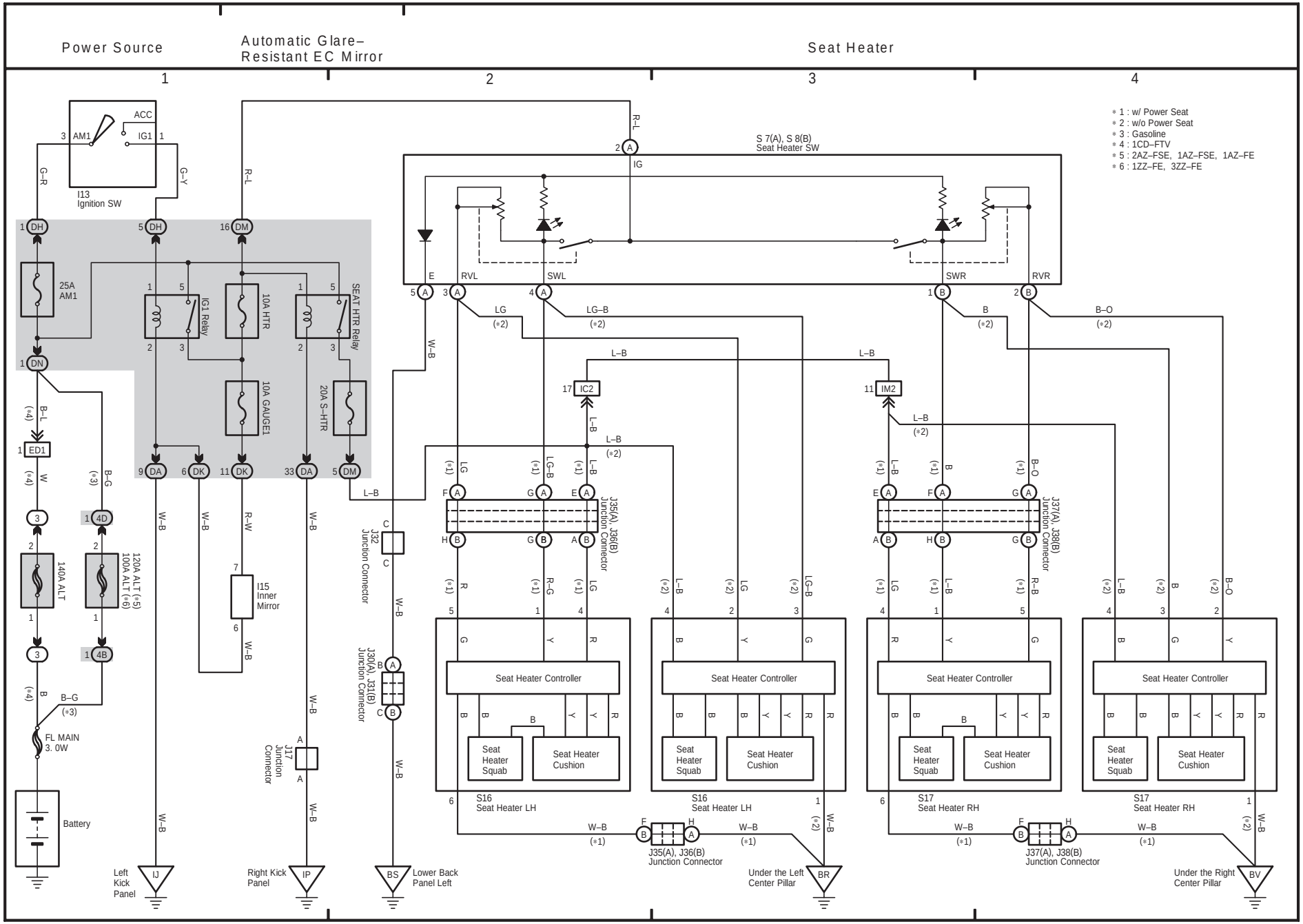
(Cont. next page)

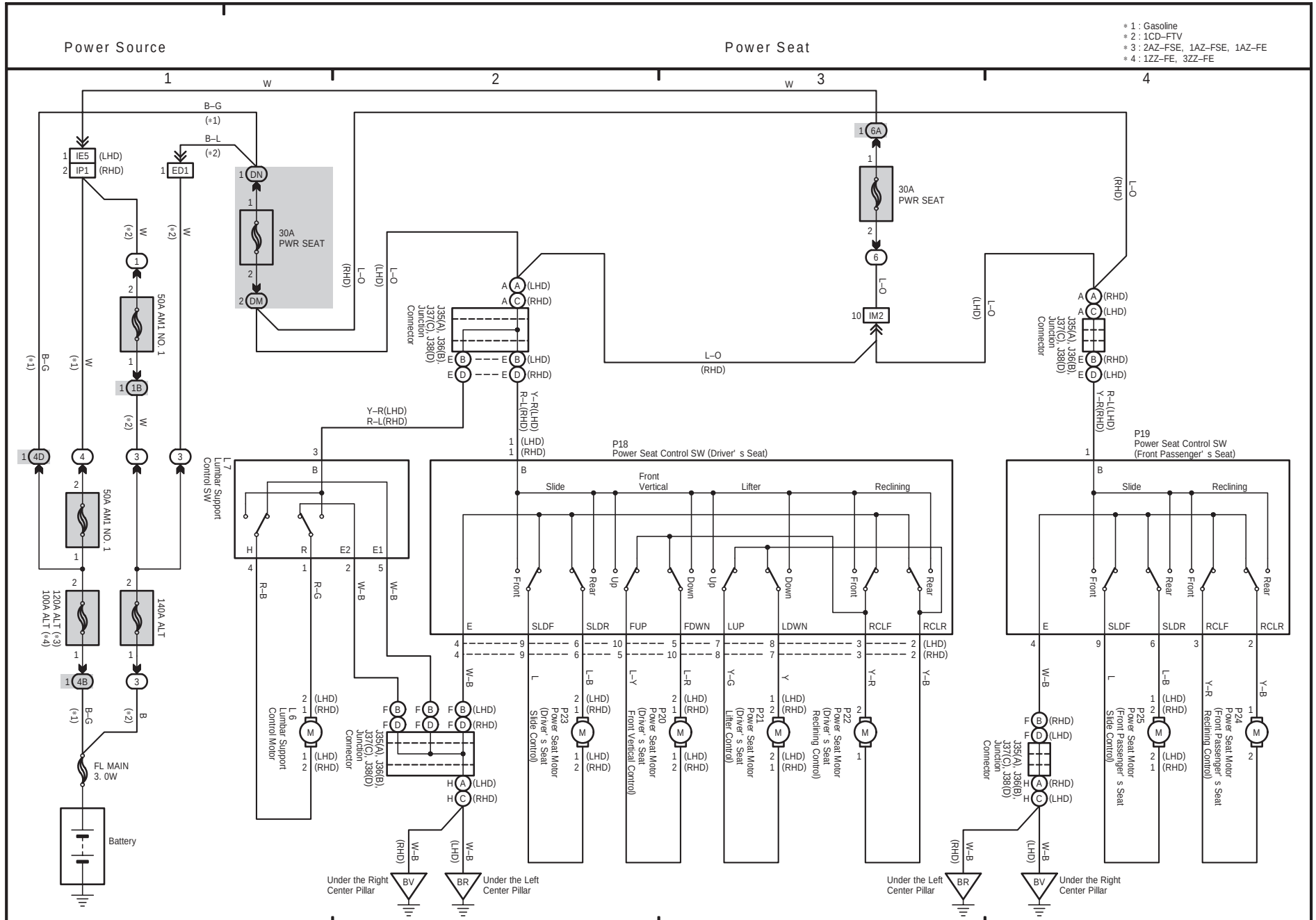





Mirror Heater
Front Window Deicer
Power Source
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : w/ Mirror Heater
* 4 : w/ Front Window Deicer
* 5 : LHD w/ FR DEICER Relay w/o Front Window Deicer
* 6 : RHD w/ FR DEICER Relay
10A MIR HTR
J18(A), J29(B) Junction Connector
M 5 Mirror Heater RH
M 4 Mirror Heater LH
Right Kick Panel
Left Kick Panel
F12 Front Window Deicer
J 2 Junction Connector
Left Side of the Suspension Tower
S10(A), S11(B) Short Connector
Rear Window Defogger SW <36–3>
FR DEICER Relay
Rear Window Defogger Relay <36–4>
Rear Window Defogger SW <36–4>
F20 Front Wiper Deicer SW
10A GAUGE1
IG1 Relay
25A AM1
I13 Ignition SW
120A ALT (2AZ–FSE, 1AZ–FSE, 1AZ–FE) 100A ALT (1ZZ–FE, 3ZZ–FE)
FL MAIN 3. 0W
Battery
20A FR DIC
50A AM1 NO. 1
50A AM1 NO. 1
140A ALT


Power Source
Rear Window Defogger
1
2
3
4
∗1 : Gasoline
∗2 : 1CD–FTV
∗3 : w/o FR DEICER Relay
∗4 : LHD w/ FR DEICER Relay
∗5 : RHD w/ FR DEICER Relay
∗6 : ∗4 w/o Front Window Deicer
ACC
IG1
AM1
I13
Ignition SW
N 6
Noise Filter
(Rear Window Defogger No. 1)
R 9
Rear Window
Defogger Relay
FR DEICER Relay
<35–3>
30A RR DEF
25A AM1
IG1 Relay
10A GAUGE1
140A ALT
120A ALT
(2AZ–FSE, 1AZ–FSE, 1AZ–FE)
100A ALT
(1ZZ–FE, 3ZZ–FE)
FL MAIN
3. 0W
Battery
N 7
Noise Filter (Rear Window Defogger No. 2)
R18(A), R19(B)
Rear Window Defogger
Noise Filter
Rear Window
Defogger
7. 5A DEF I/UP
Short Connector
<35–3>
A/C Control Assembly
<47–5><48–8><49–7>
J 6
Junction
Connector
F19
Rear Window Defogger SW
DEF
IG
(LHD)
(RHD)
J16
Junction
Connector
Left Kick Panel
IJ
Right Quarter Panel
BW
Right Side of
the Back Door
BX
Right Kick Panel
IP
Behind the
Combination
Meter
IL


Power Source
Automatic Glare–Resistant EC Mirror
Seat Heater
1
2
3
4
* 1 : w/ Power Seat
* 2 : w/o Power Seat
* 3 : Gasoline
* 4 : 1CD–FTV
* 5 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 6 : 1ZZ–FE, 3ZZ–FE
ACC
IG1
AM1
I13
Ignition SW
25A AM1
IG1 Relay
10A HTR
SEAT HTR Relay
10A GAUGE1
20A S–HTR
S 7(A), S 8(B)
Seat Heater SW
IG
RVL
SWL
SWR
RVR
IC2
IM2
ED1
I15
Inner Mirror
140A ALT
120A ALT (*5)
100A ALT (*6)
FL MAIN
3. 0W
Battery
J32
Junction Connector
J30(A), J31(B)
Junction Connector
J17
Junction Connector
J35(A), J36(B)
Junction Connector
J37(A), J38(B)
Junction Connector
Seat Heater Controller
Seat Heater Squab
Seat Heater Cushion
S16
Seat Heater LH
S17
Seat Heater RH
Left Kick Panel
IJ
Right Kick Panel
IP
Lower Back Panel Left
BS
Under the Left Center Pillar
BR
Under the Right Center Pillar
BV


Power Source
Power Seat
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
1
2
3
4
W
B–G (*1)
B–L (*2)
IE5 (LHD)
IP1 (RHD)
ED1
DN
DM
30A PWR SEAT
6A
IM2
50A AM1 NO. 1
1B
4D
4
3
50A AM1 NO. 1
120A ALT (*3)
100A ALT (*4)
140A ALT
4B
FL MAIN 3. 0W
Battery
L–O (RHD)
L–O (LHD)
J35(A), J36(B), J37(C), J38(D) Junction Connector
Y–R(LHD) R–L(RHD)
R–L(LHD) Y–R(RHD)
L 7 Lumbar Support Control SW
H
R
E2
E1
R–B
R–G
W–B
L 6 Lumbar Support Control Motor
P18 Power Seat Control SW (Driver' s Seat)
P19 Power Seat Control SW (Front Passenger' s Seat)
Slide
Front Vertical
Lifter
Reclining
Front
Rear
Up
Down
E
SLDF
SLDR
FUP
FDWN
LUP
LDWN
RCLF
RCLR
P23 Power Seat Motor (Driver' s Seat Slide Control)
P20 Power Seat Motor (Driver' s Seat Front Vertical Control)
P21 Power Seat Motor (Driver' s Seat Lifter Control)
P22 Power Seat Motor (Driver' s Seat Reclining Control)
P25 Power Seat Motor (Front Passenger' s Seat Slide Control)
P24 Power Seat Motor (Front Passenger' s Seat Reclining Control)
L–B
L–R
L–Y
Y–G
Y–R
Y–B
L
Y
(LHD)
(RHD)
Under the Right Center Pillar
Under the Left Center Pillar
BV
BR

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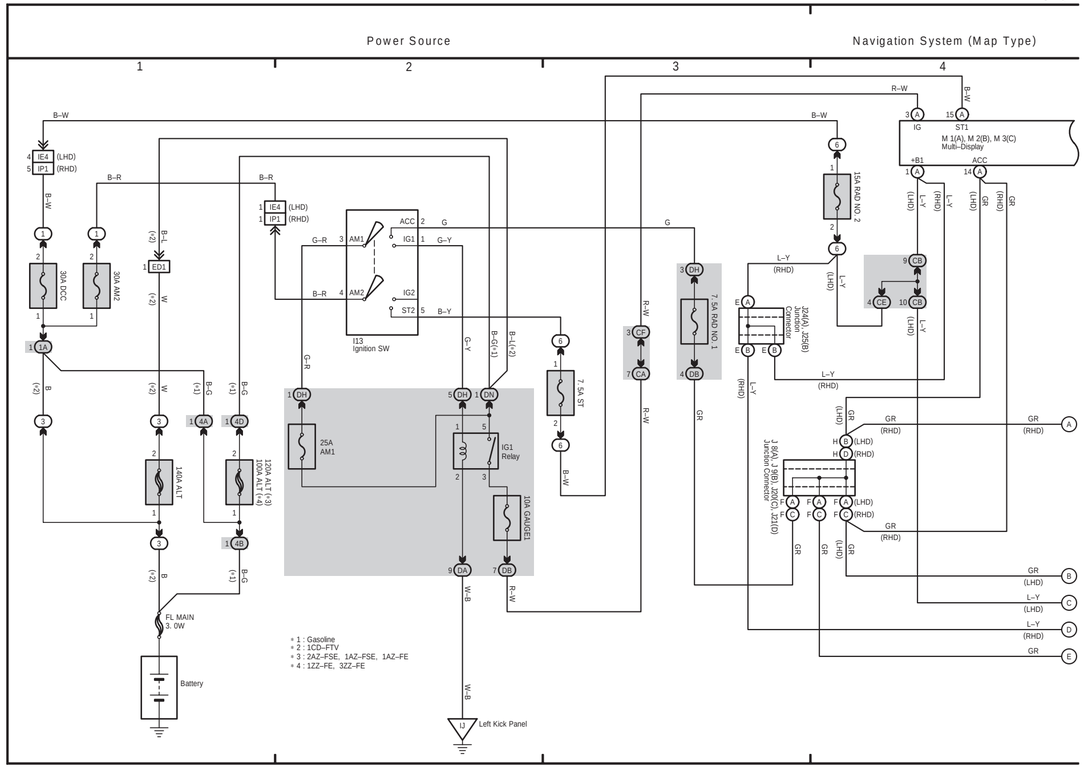
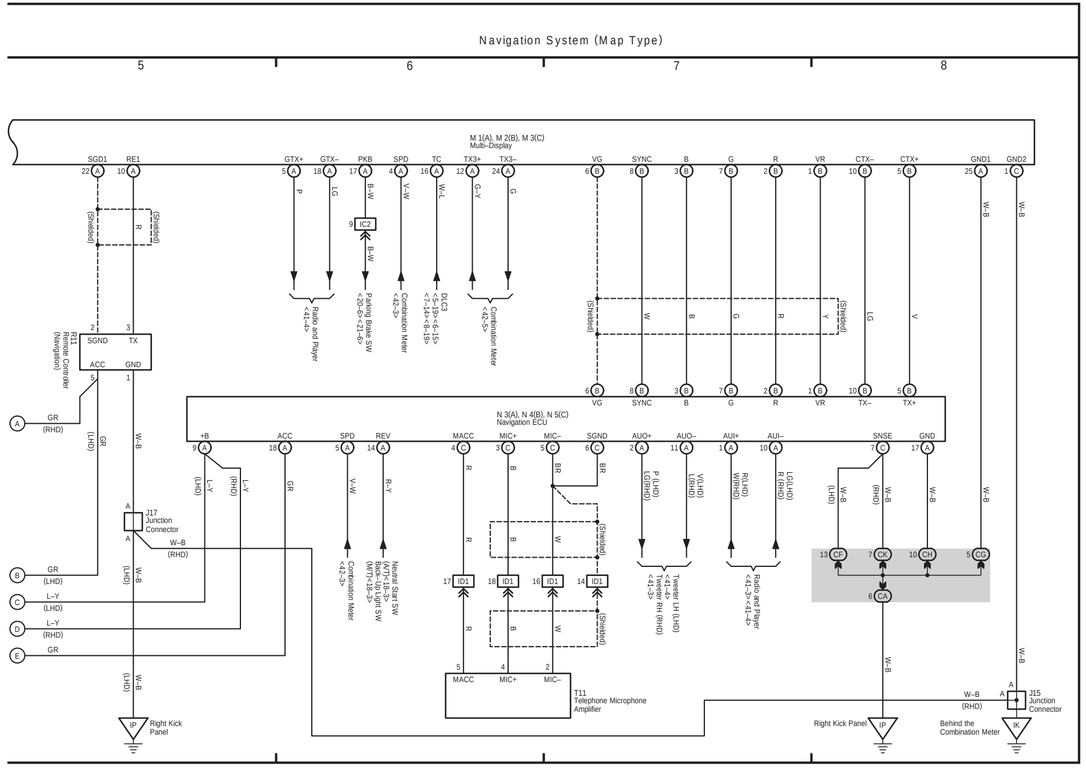
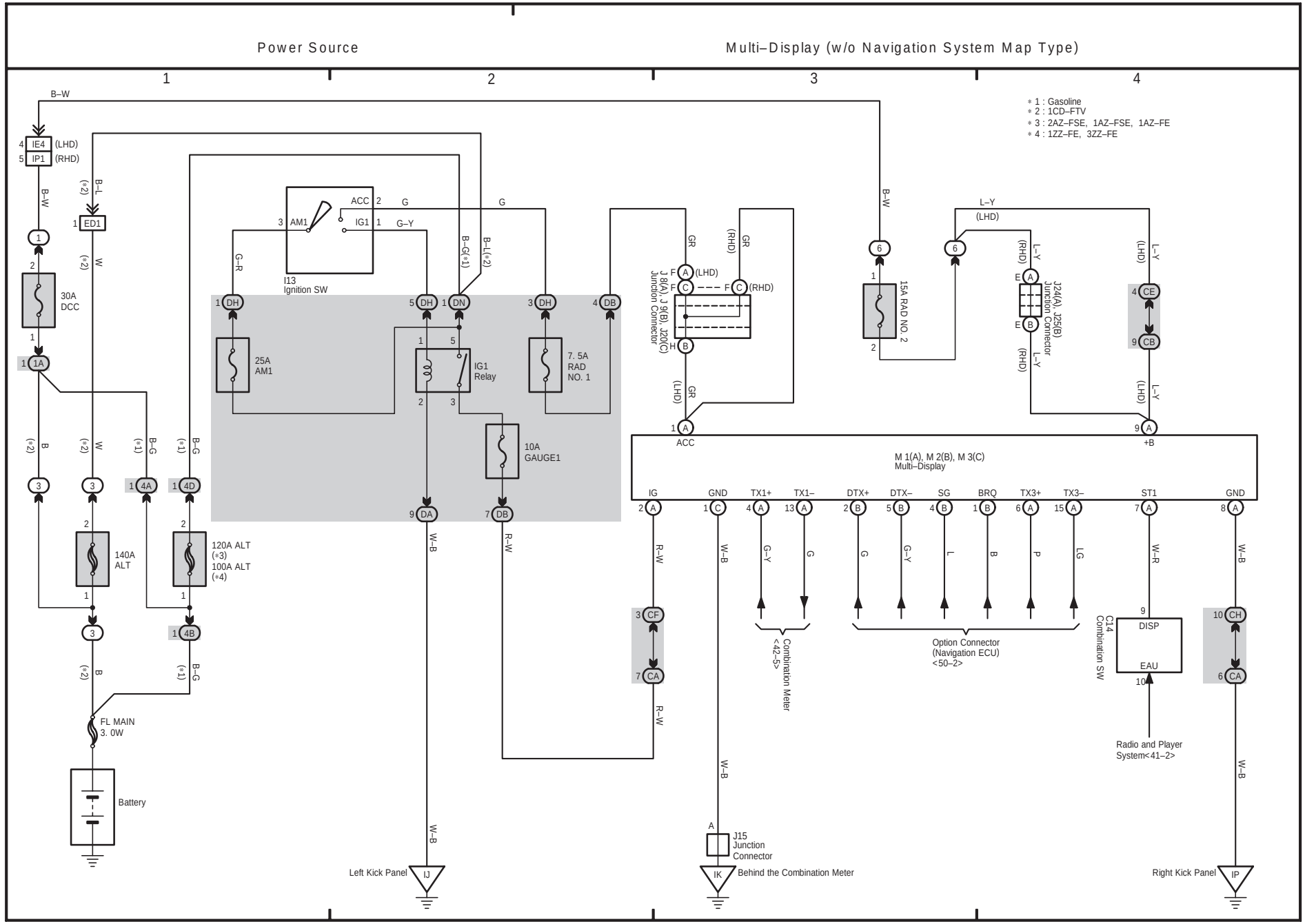
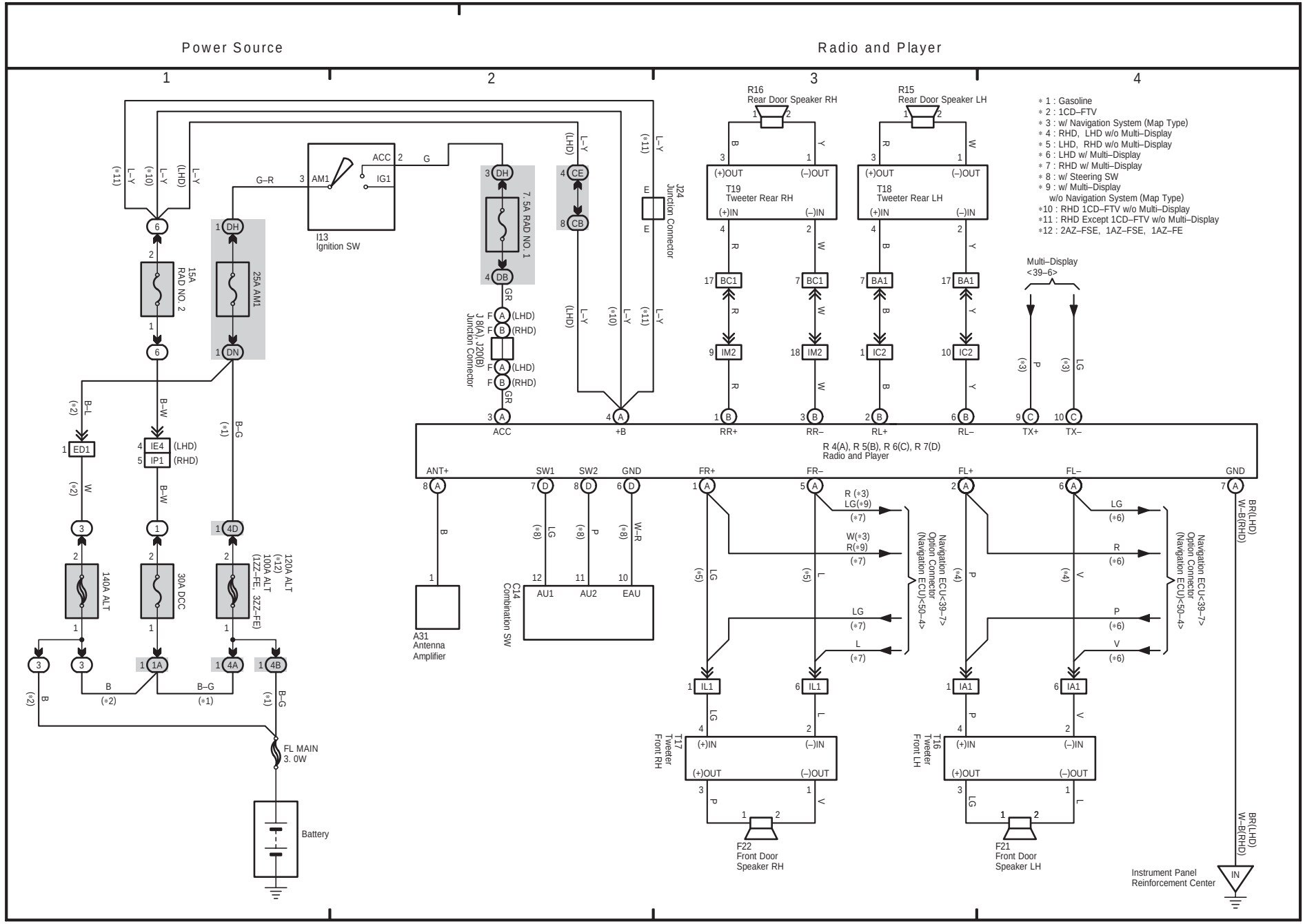
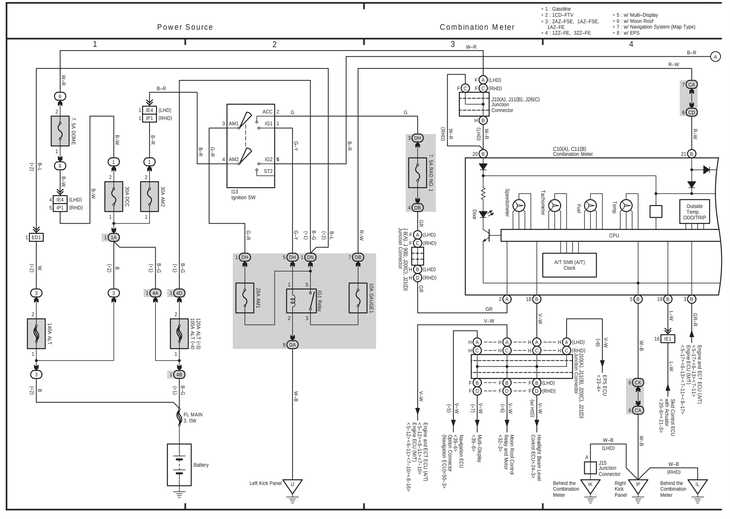


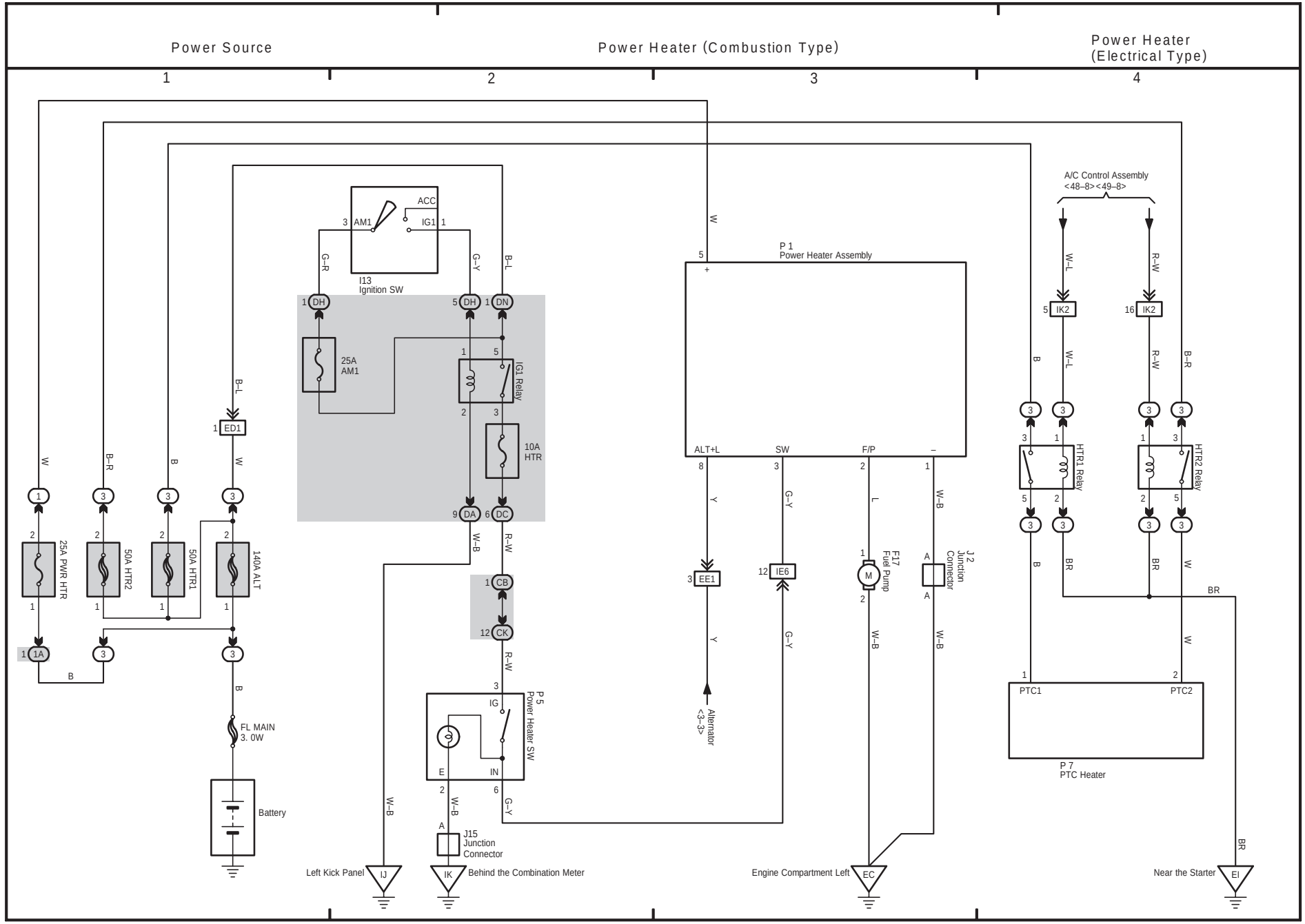


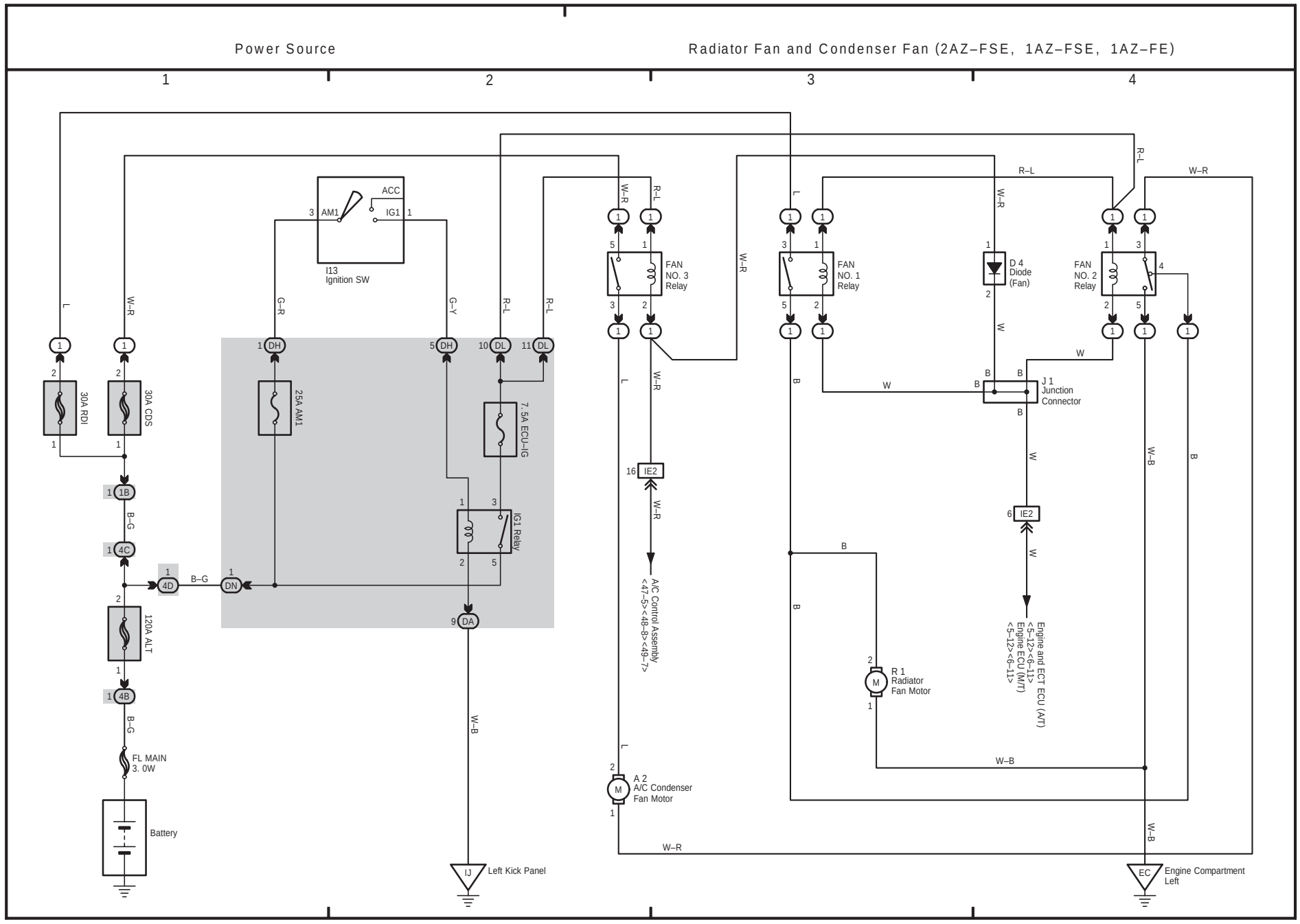
40 AVENSIS

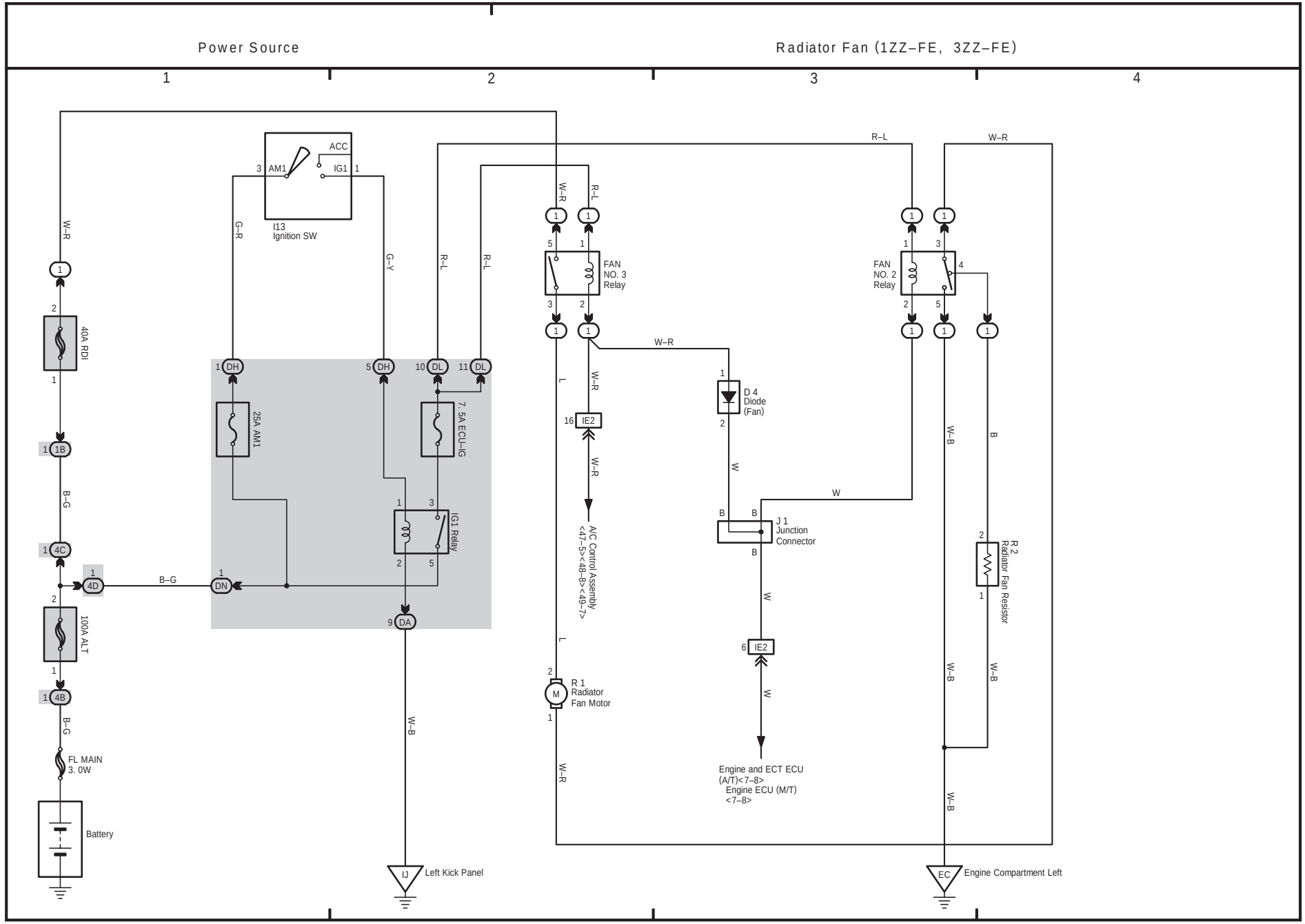

Power Source
Multi–Display (w/o Navigation System Map Type)
1
2
3
4
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
B–W
IE4 (LHD)
IP1 (RHD)
ED1
30A DCC
1A
140A ALT
120A ALT (*3)
100A ALT (*4)
4A
4D
4B
FL MAIN 3. 0W
Battery
I13 Ignition SW
ACC
IG1
AM1
25A AM1
IG1 Relay
7. 5A RAD NO. 1
10A GAUGE1
15A RAD NO. 2
J 8(A), J 9(B), J20(C) Junction Connector
124(A), J25(B) Junction Connector
M 1(A), M 2(B), M 3(C) Multi–Display
IG
GND
TX1+
TX1–
DTX+
DTX–
SG
BRQ
TX3+
TX3–
ST1
+B
Combination Meter <42–5>
Option Connector (Navigation ECU) <50–2>
C14 Combination SW
DISP
EAU
Radio and Player System<41–2>
J15 Junction Connector
Behind the Combination Meter
Left Kick Panel
Right Kick Panel


Power Source
Radio and Player
1
2
3
4
R16
Rear Door Speaker RH
R15
Rear Door Speaker LH
T19
Tweeter Rear RH
T18
Tweeter Rear LH
(+)OUT
(–)OUT
(+)IN
(–)IN
∗ 1 : Gasoline
∗ 2 : 1CD–FTV
∗ 3 : w/ Navigation System (Map Type)
∗ 4 : RHD, LHD w/o Multi–Display
∗ 5 : LHD, RHD w/o Multi–Display
∗ 6 : LHD w/ Multi–Display
∗ 7 : RHD w/ Multi–Display
∗ 8 : w/ Steering SW
∗ 9 : w/ Multi–Display
w/o Navigation System (Map Type)
∗10 : RHD 1CD–FTV w/o Multi–Display
∗11 : RHD Except 1CD–FTV w/o Multi–Display
∗12 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
Multi–Display
<39–6>
I13
Ignition SW
ACC
IG1
AM1
J24
Junction Connector
15A
RAD NO. 2
25A AM1
7.5A RAD NO. 1
J 8(A), J20(B)
Junction Connector
ACC
+B
RR+
RR–
RL+
RL–
TX+
TX–
R 4(A), R 5(B), R 6(C), R 7(D)
Radio and Player
ANT+
SW1
SW2
GND
FR+
FR–
FL+
FL–
A31
Antenna
Amplifier
C14
Combination SW
AU1
AU2
EAU
Navigation ECU<39–7>
Option Connector
(Navigation ECU)<50–4>
T17
Tweeter
Front RH
T16
Tweeter
Front LH
F22
Front Door
Speaker RH
F21
Front Door
Speaker LH
Instrument Panel
Reinforcement Center
IN
140A ALT
30A DCC
120A ALT
(∗12)
100A ALT
(1ZZ–FE, 3ZZ–FE)
FL MAIN
3. 0W
Battery


Power Source
Combination Meter
* 1 : Gasoline
* 2 : 1CD-FTV
* 3 : 2AZ-FSE, 1AZ-FSE, 1AZ-FE
* 4 : 1ZZ-FE, 3ZZ-FE
* 5 : w/ Multi-Display
* 6 : w/ Moon Roof
* 7 : w/ Navigation System (Map Type)
* 8 : w/ EPS
C100(A), C110(B) Combination Meter
CPU
A/T Shift (A/T) Clock
Speedometer
Tachometer
Fuel
Temp
Outside Temp. (OO/CTRIP)
Buzzer
AVC-LAN
BEAN
Illumination
Tail Lamp
Turn R
Turn L
Oil Level
ABS
SRS
Brake
Alt
Oil
Park Brake
Fuel
Door
Seat Belt
Back Door
Fog
Glass Hatch
Charge
Main Body ECU (Multiplex Network Door Control ECU)
Multiplex Network Door Control ECU
Main Body ECU (Multiplex Network Door Control ECU)
Sub-wiring No.1
Sub-wiring No.2
Sub-wiring No.3
Sub-wiring No.4
Sub-wiring No.5
Sub-wiring No.6
Sub-wiring No.7
Sub-wiring No.8
Sub-wiring No.9
Sub-wiring No.10
Sub-wiring No.11
Sub-wiring No.12
Sub-wiring No.13
Sub-wiring No.14
Sub-wiring No.15
Sub-wiring No.16
Sub-wiring No.17
Sub-wiring No.18
Sub-wiring No.19
Sub-wiring No.20
Sub-wiring


Power Source
Power Heater (Combustion Type)
Power Heater (Electrical Type)
1
2
3
4
ACC
IG1
AM1
I13
Ignition SW
G–R
G–Y
B–L
25A AM1
IG1 Relay
10A HTR
ED1
W
B–R
B
25A PWR HTR
50A HTR2
50A HTR1
140A ALT
1A
FL MAIN 3. 0W
Battery
P 1
Power Heater Assembly
ALT+L
SW
F/P
–
Y
G–Y
L
W–B
EE1
IE6
F17
Fuel Pump
J2
Junction Connector
Alternator <3–3>
A/C Control Assembly <48–8> <49–8>
W–L
R–W
IK2
HTR1 Relay
HTR2 Relay
BR
W
PTC1
PTC2
P 7
PTC Heater
DH
DN
DA
DC
CB
CK
R–W
W–B
P 5
Power Heater SW
IG
E
IN
G–Y
J15
Junction Connector
Left Kick Panel
IJ
IK
Behind the Combination Meter
Engine Compartment Left
EC
Near the Starter
EI


Power Source
Radiator Fan and Condenser Fan (2AZ–FSE, 1AZ–FSE, 1AZ–FE)
1
2
3
4
ACC
AM1
IG1
I13
Ignition SW
FAN NO. 3 Relay
FAN NO. 1 Relay
D 4
Diode (Fan)
FAN NO. 2 Relay
J 1
Junction Connector
30A RDI
30A CDS
25A AM1
7. 5A ECU–IG
IG1 Relay
120A ALT
FL MAIN
3. 0W
Battery
A 2
A/C Condenser Fan Motor
R 1
Radiator Fan Motor
A/C Control Assembly
<47–5><48–8><49–7>
Engine and ECT ECU (A/T)
<5–12><6–11>
Engine ECU (M/T)
<5–12><6–11>
Left Kick Panel
Engine Compartment Left
L
W–R
R–L
G–R
G–Y
B–G
W–B
W
B


Power Source
Radiator Fan (1ZZ–FE, 3ZZ–FE)
1
2
3
4
ACC
AM1
IG1
I13
Ignition SW
W–R
G–R
G–Y
R–L
R–L
W–R
R–L
W–R
FAN
NO. 3
Relay
FAN
NO. 2
Relay
40A RDI
25A AM1
7. 5A ECU–IG
IG1 Relay
B–G
B–G
100A ALT
FL MAIN
3. 0W
Battery
W–B
IJ
Left Kick Panel
W–R
L
W–R
IE2
A/C Control Assembly
<47–5><48–8><49–7>
D 4
Diode
(Fan)
W
W
J 1
Junction
Connector
W
IE2
W
Engine and ECT ECU
(A/T)<7–8>
Engine ECU (M/T)
<7–8>
R 1
Radiator
Fan Motor
W–B
W–B
B
R 2
Radiator Fan Resistor
W–B
W–B
EC
Engine Compartment Left

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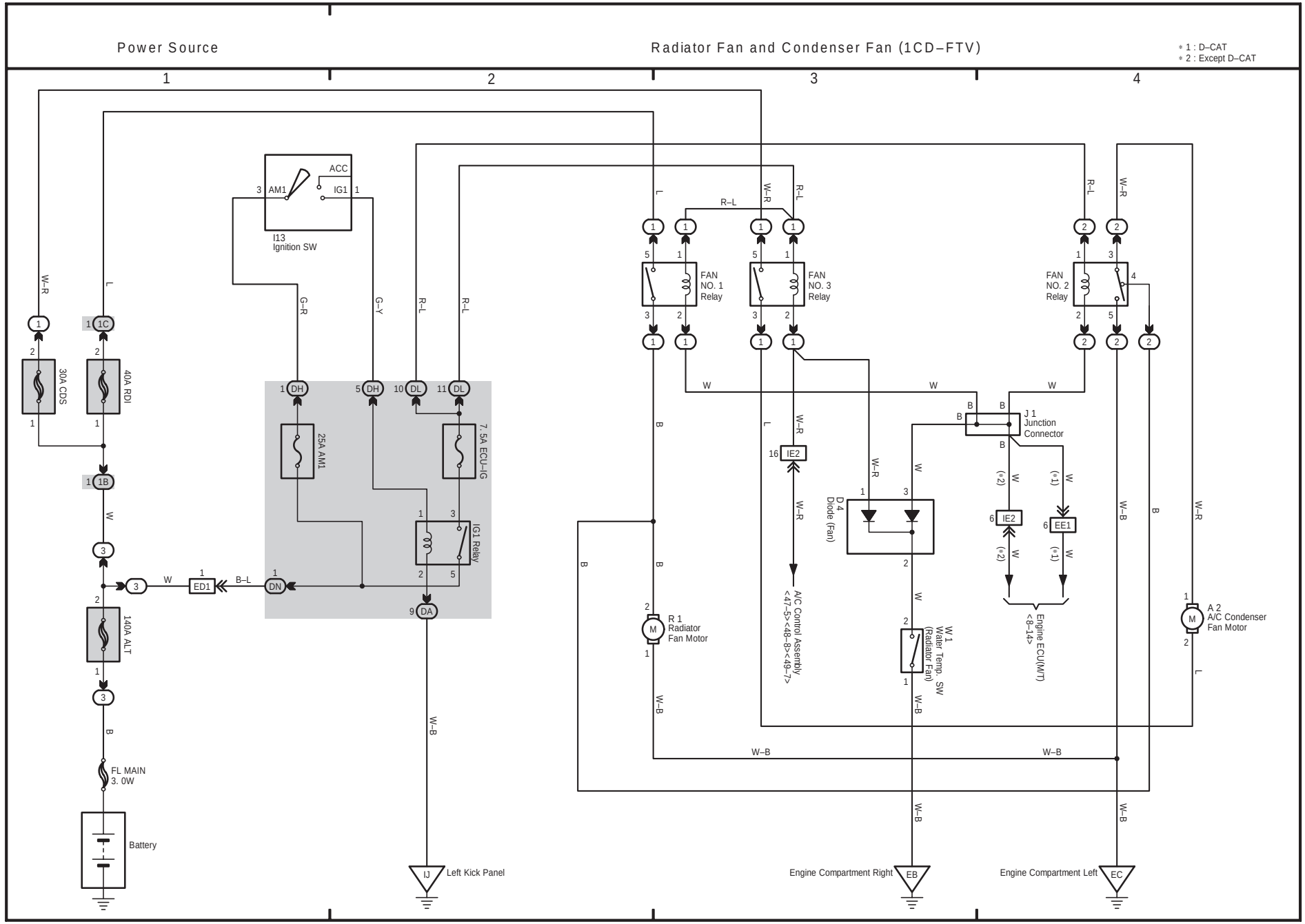
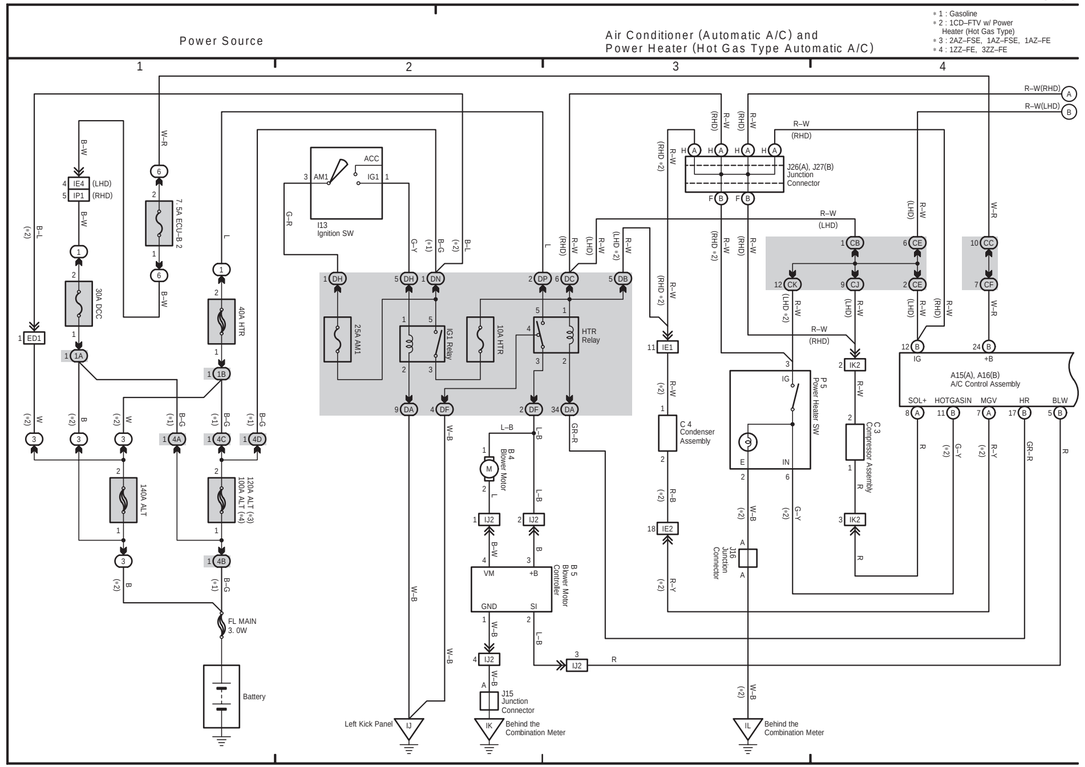
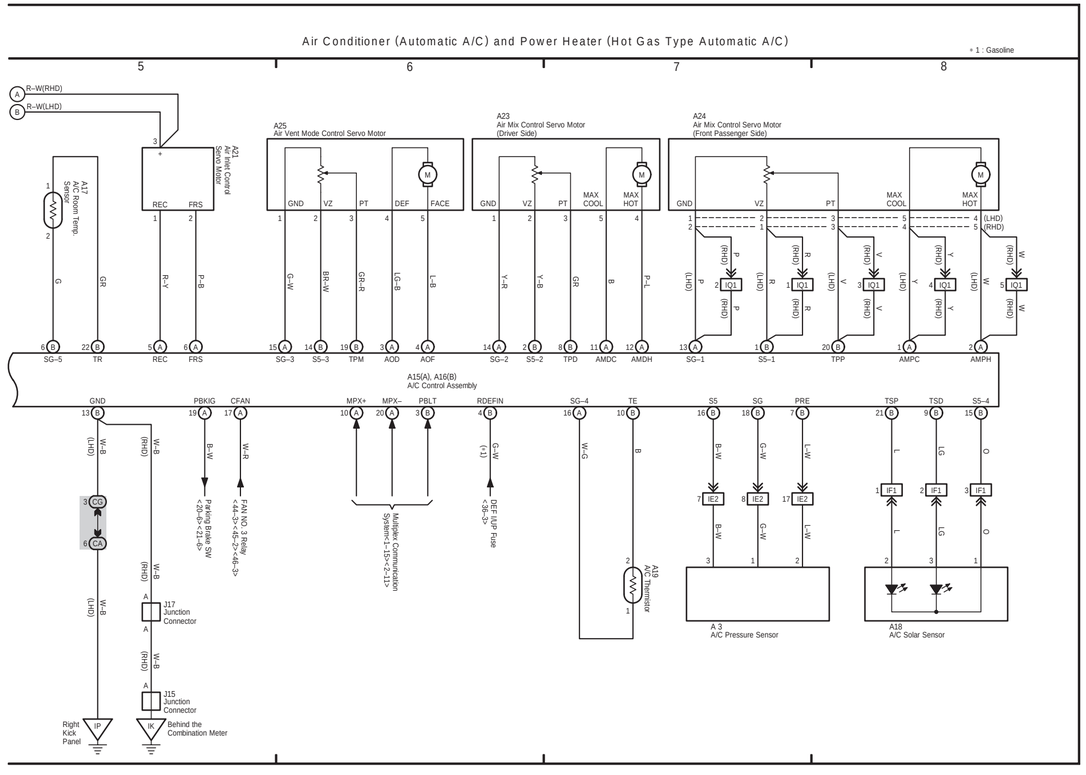

Power Source
Radiator Fan and Condenser Fan (1CD–FTV)
* 1 : D–CAT
* 2 : Except D–CAT
1
2
3
4
ACC
AM1
IG1
I13
Ignition SW
30A CDS
40A RDI
25A AM1
7. 5A ECU–IG
IG1 Relay
140A ALT
FL MAIN
3. 0W
Battery
FAN
NO. 1
Relay
FAN
NO. 3
Relay
FAN
NO. 2
Relay
D 4
Diode (Fan)
J 1
Junction
Connector
R 1
Radiator
Fan Motor
A 2
A/C Condenser
Fan Motor
W 1
Water Temp. SW
(Radiator Fan)
A/C Control Assembly
<47–5><48–8><49–7>
Engine ECU(M/T)
<8–14>
Left Kick Panel
Engine Compartment Right
Engine Compartment Left
W–R
L
R–L
G–R
G–Y
B
W
B–L
W–B

(Cont. next page)





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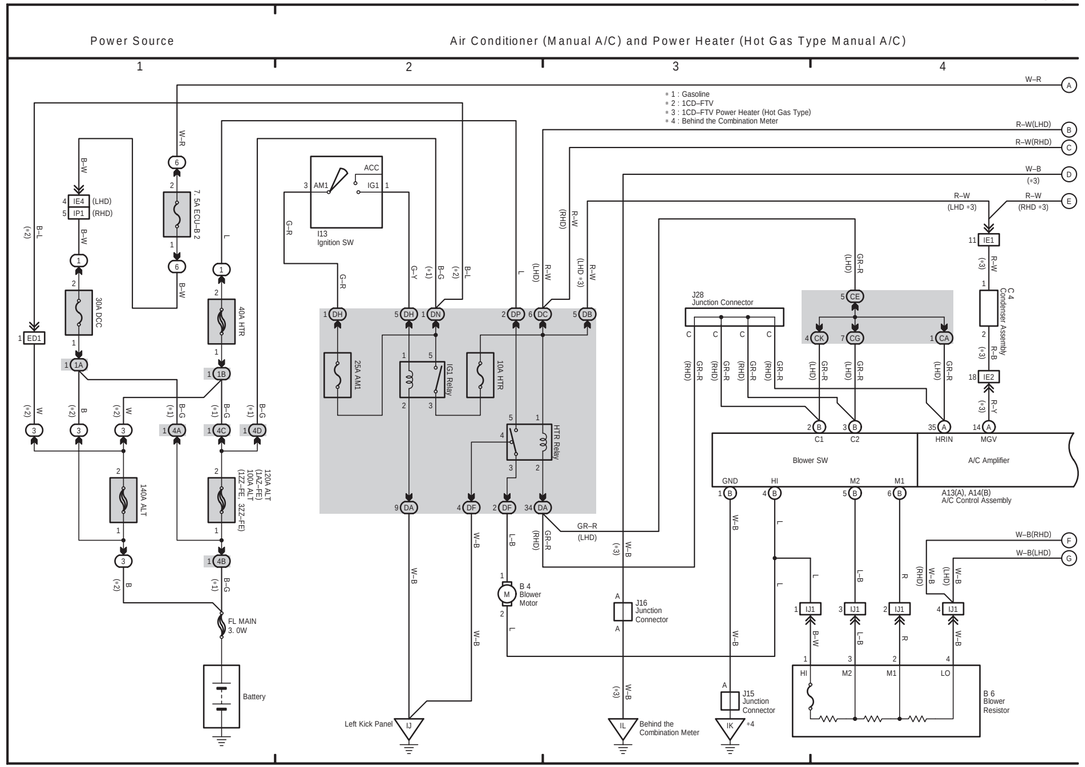
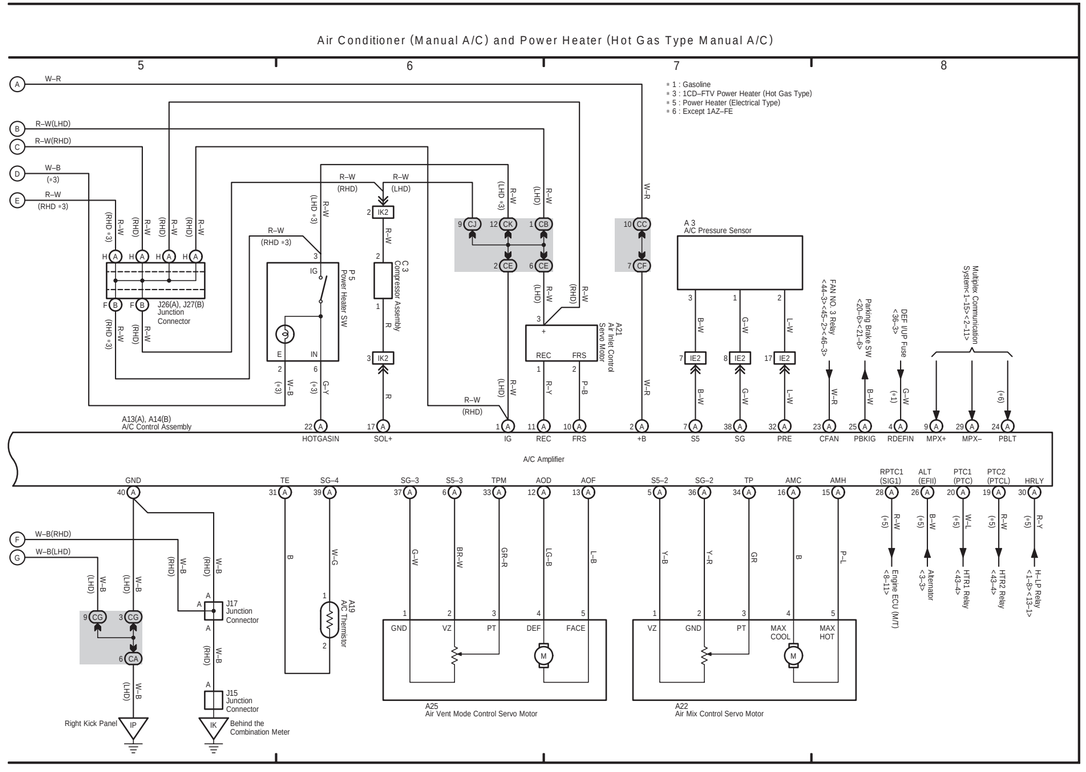
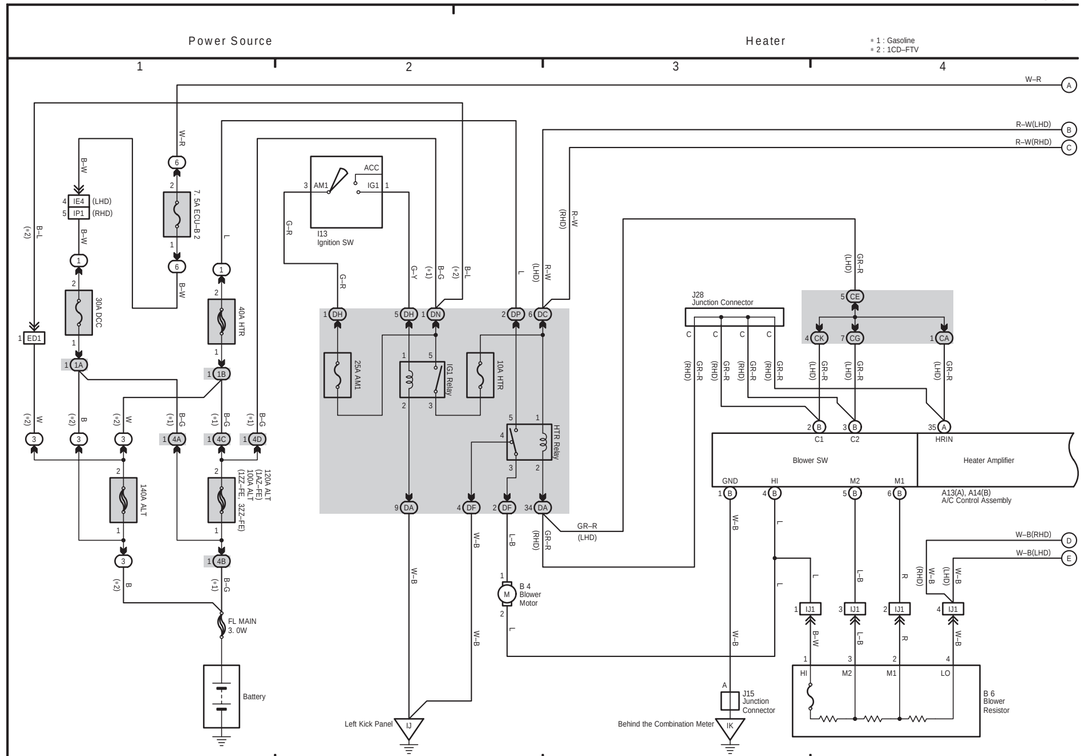
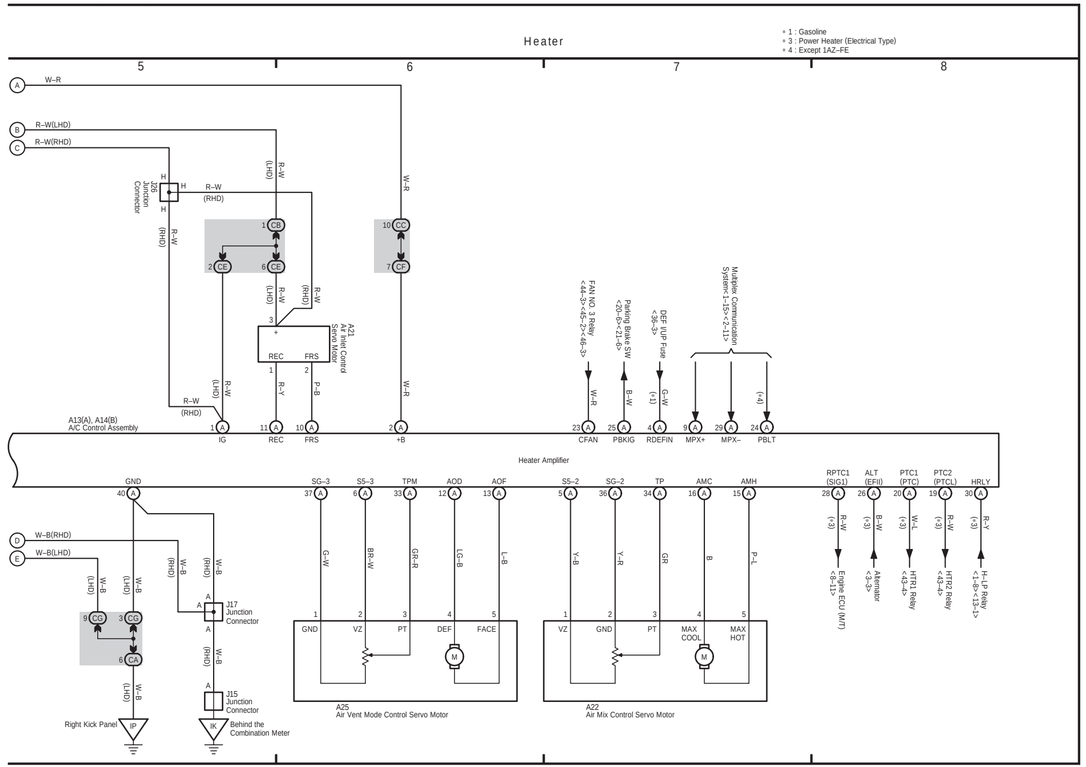
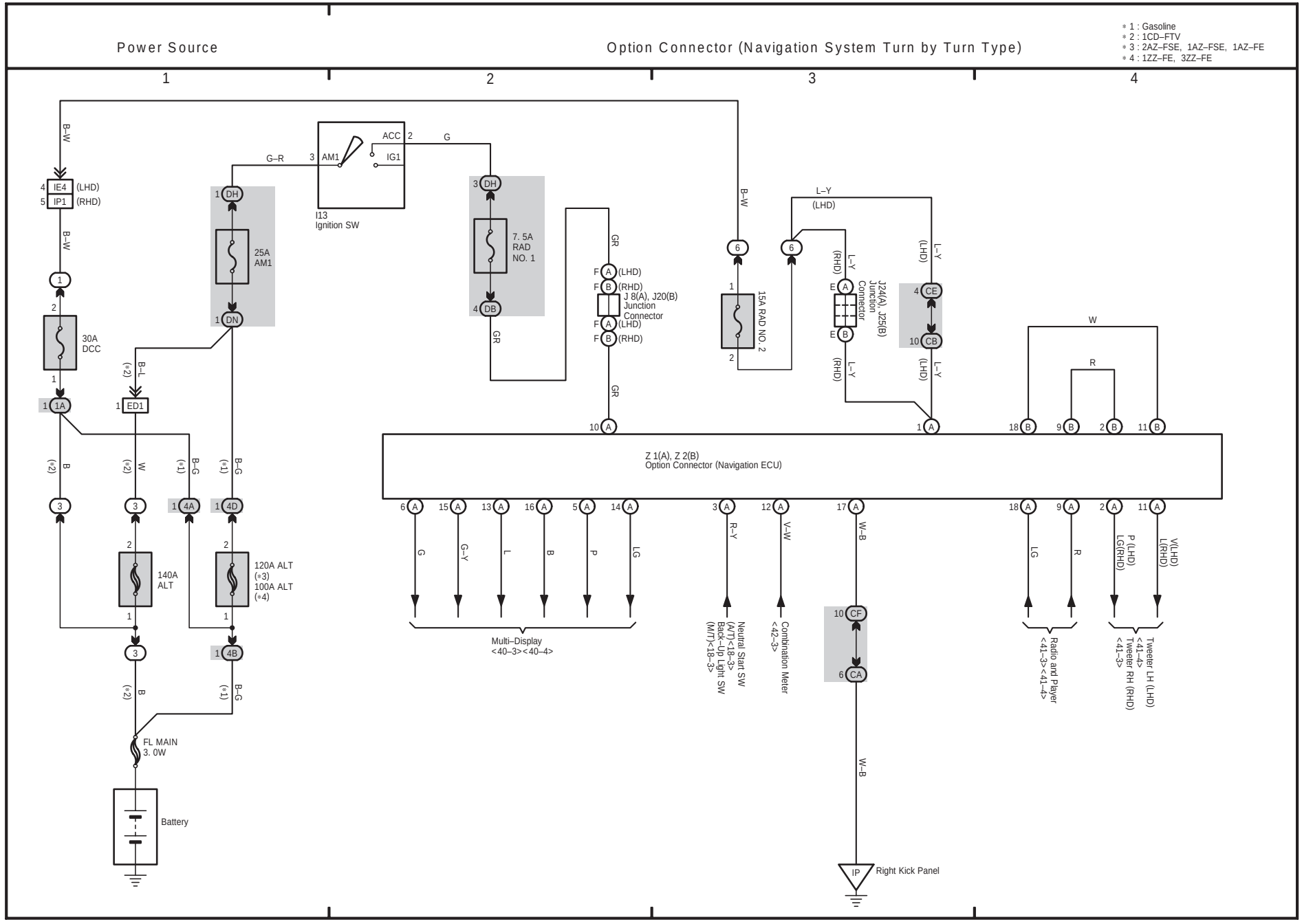
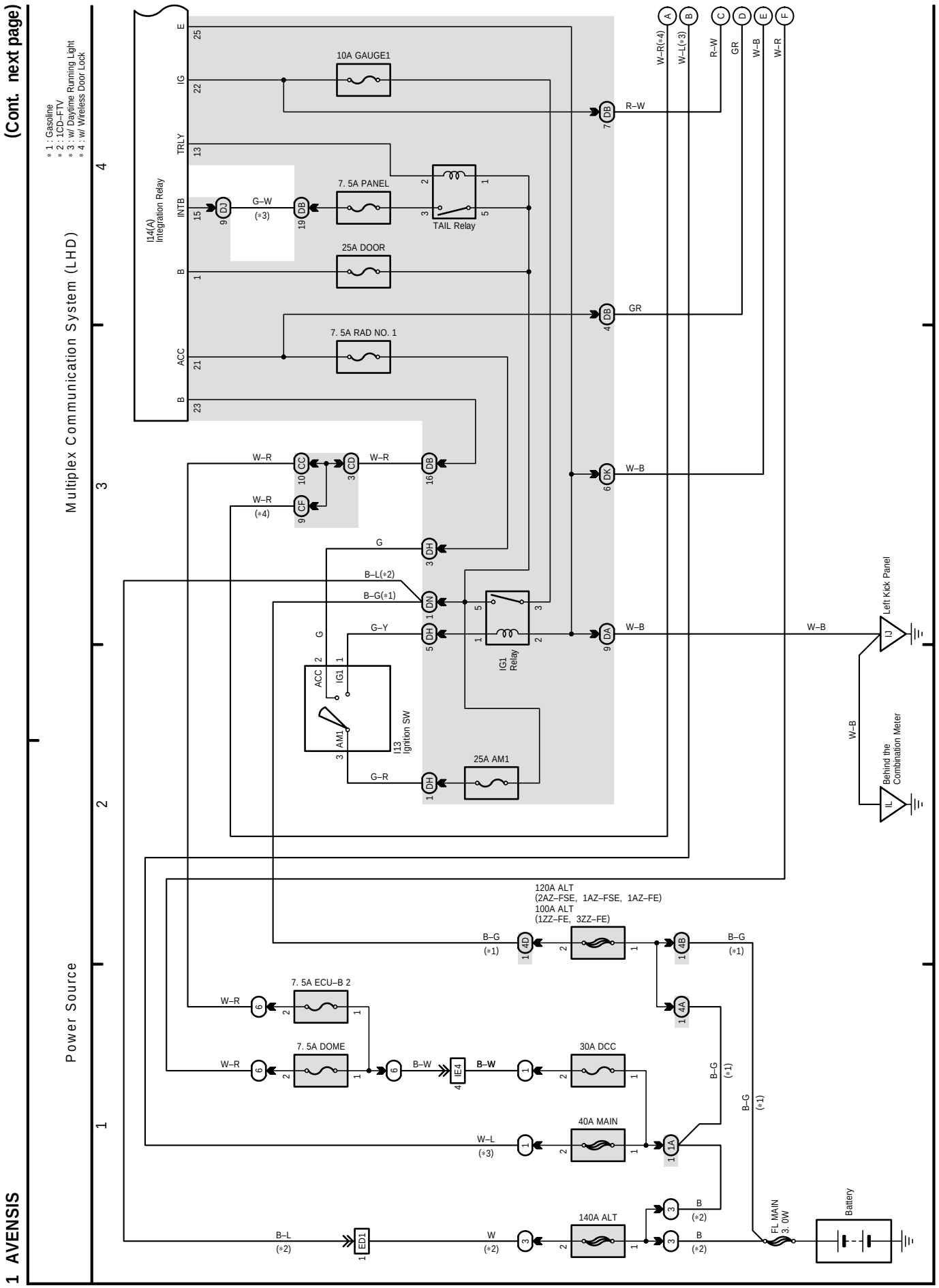


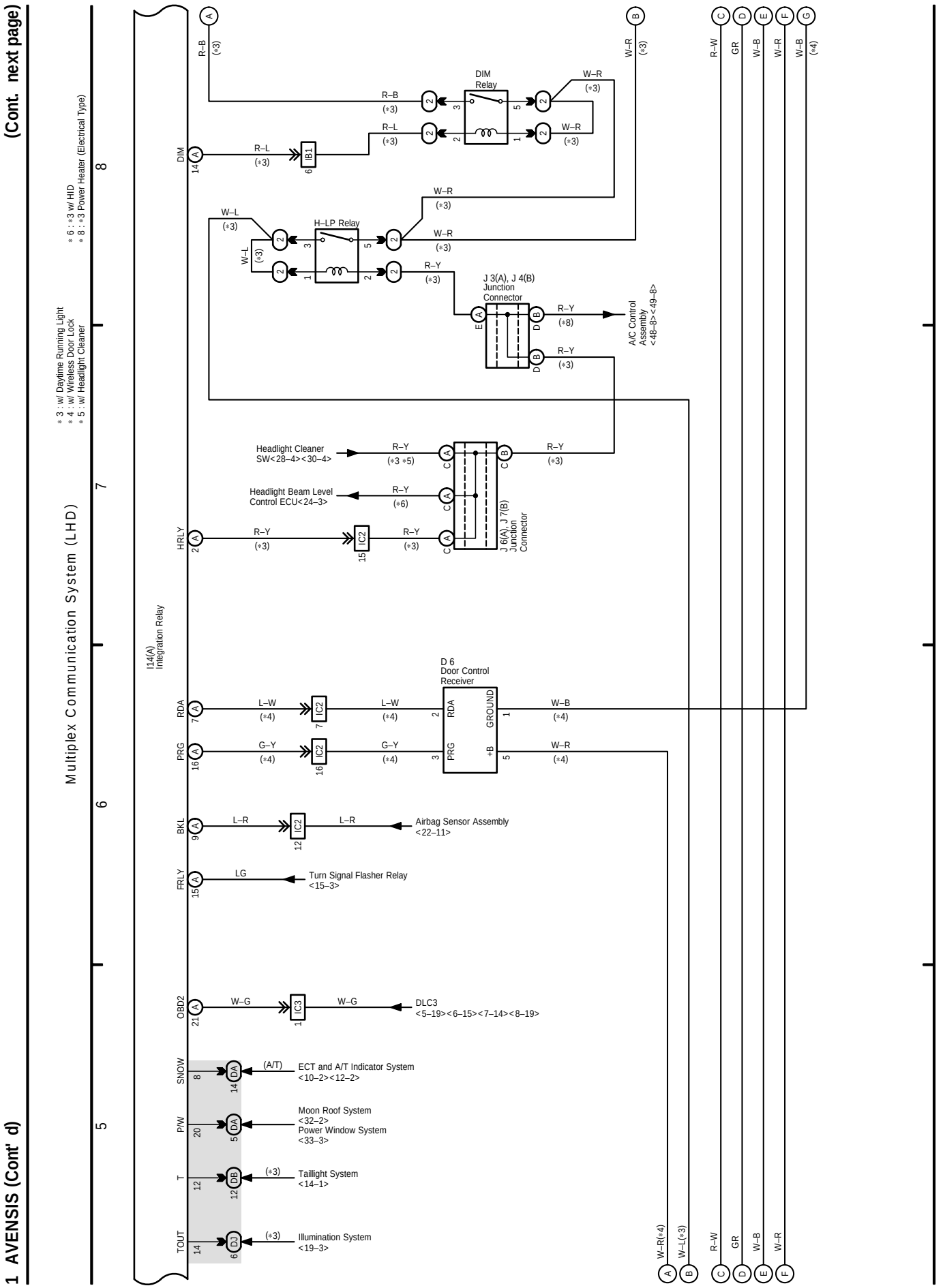


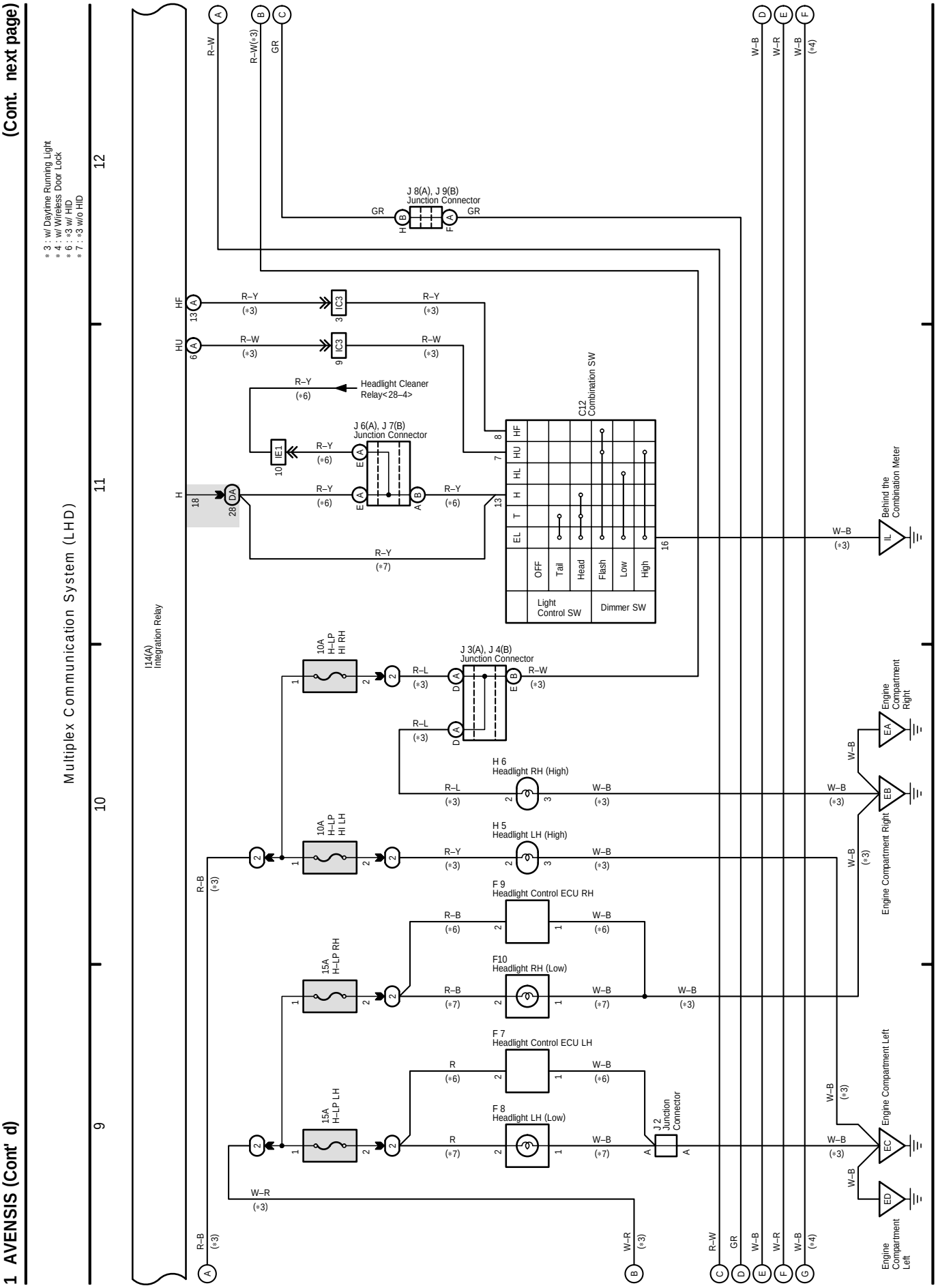

Power Source
Heater
* 1 : Gasoline
* 2 : 1CD–FTV
W–R
R–W(LHD)
R–W(RHD)
ACC
IG1
AM1
I13
Ignition SW
7.5A ECU–B 2
30A DCC
40A HTR
25A AM1
IG1 Relay
10A HTR
HTR Relay
140A ALT
120A ALT (1AZ–FE) (2AZ–FE, 1ZZ–FE, 3ZZ–FE)
FL MAIN 3.0W
Battery
Left Kick Panel
IJ
B 4 Blower Motor
J28 Junction Connector
Blower SW
Heater Amplifier
A13(A), A14(B) A/C Control Assembly
GND
HI
M2
M1
LO
HRIN
C1
C2
J15 Junction Connector
Behind the Combination Meter
IK
B 6 Blower Resistor
W–B(RHD)
W–B(LHD)
GR–R (LHD)
GR–R (RHD)

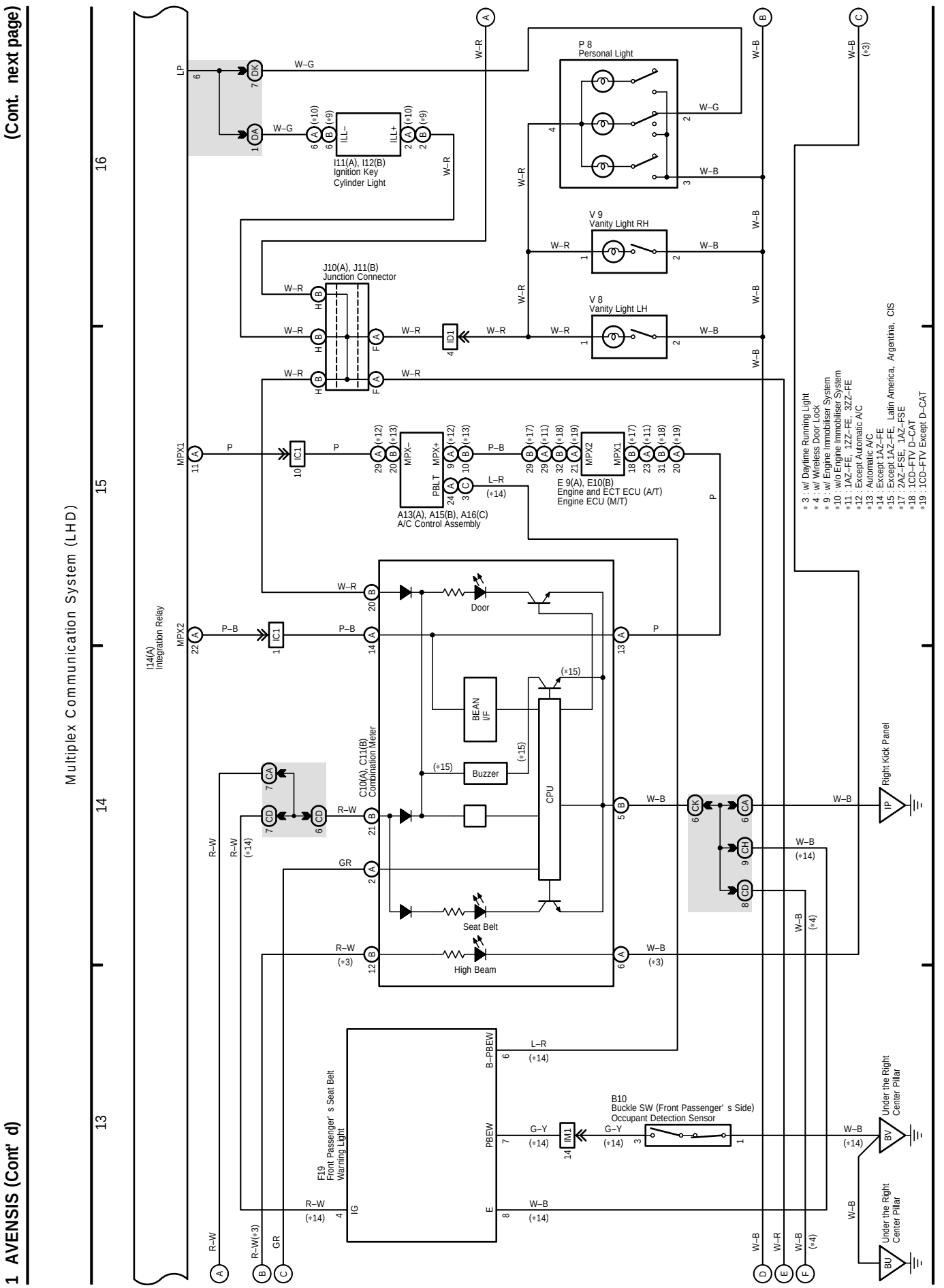

Heater
* 1 : Gasoline
* 3 : Power Heater (Electrical Type)
* 4 : Except 1AZ–FE
W–R
R–W(LHD)
R–W(RHD)
J26 Junction Connector
A21 Air Vent Control Servo Motor
REC
FRS
A13(A), A14(B) A/C Control Assembly
IG
REC
FRS
+B
CFAN
PBKIG
RDEFIN
MPX+
MPX–
PBLT
Heater Amplifier
GND
SG–3
SS–3
TPM
AOD
AOF
SS–2
SG–2
TP
AMC
AMH
RPTC1 (SIG1)
ALT (EFII)
PTC1 (PTC)
PTC2 (PTCL)
HRLY
W–B(RHD)
W–B(LHD)
J17 Junction Connector
J15 Junction Connector
Behind the Combination Meter
Right Kick Panel
A25 Air Vent Mode Control Servo Motor
A22 Air Mix Control Servo Motor
Multiplex Communication System
Parking Brake SW
DSE I/UP Fuse
Engine ECU (M/T)
Alternator
HTR1 Relay
HTR2 Relay
H–L P Relay

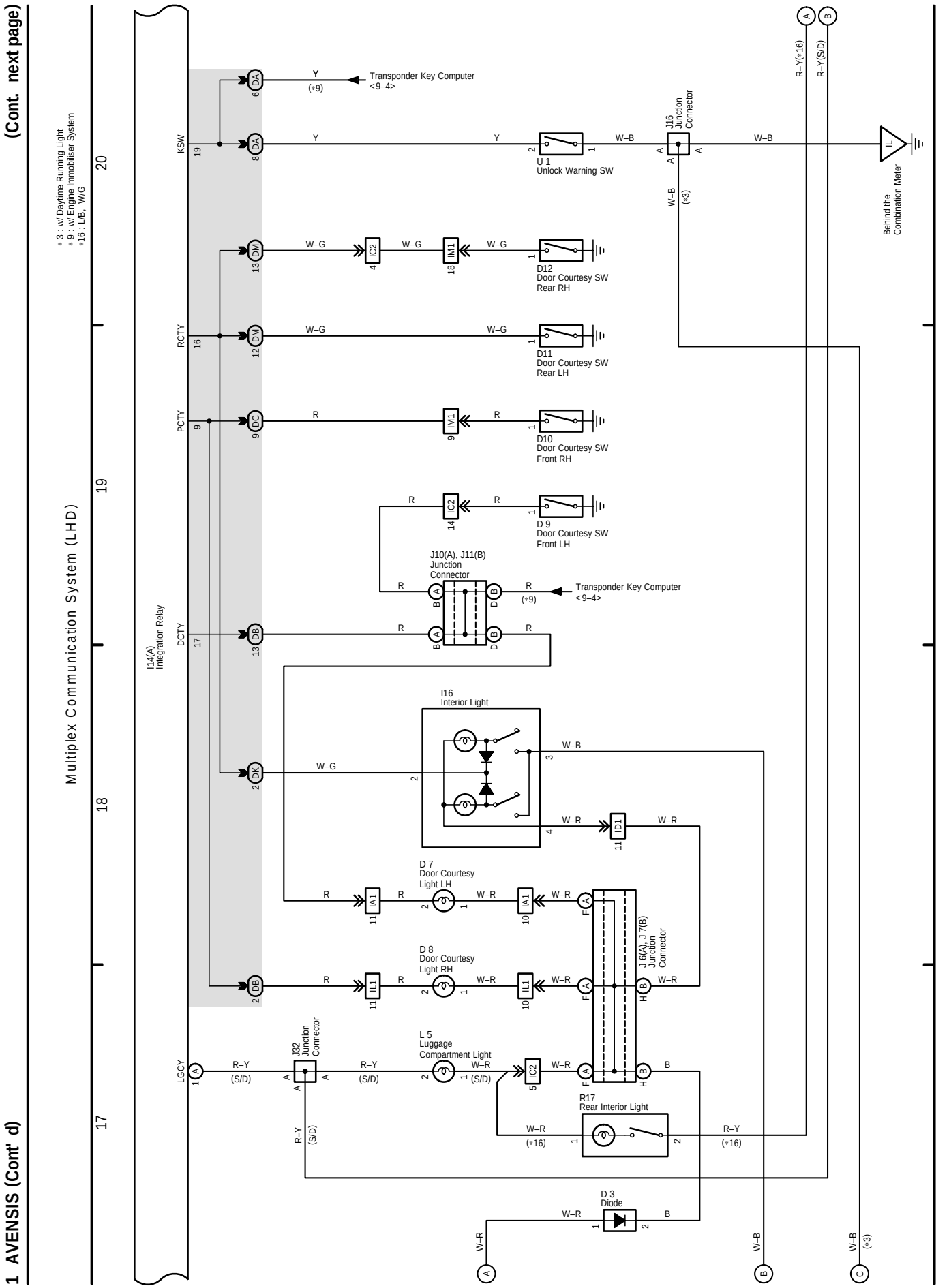

Power Source
Option Connector (Navigation System Turn by Turn Type)
1
2
3
4
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
B–W
IE4 (LHD)
IP1 (RHD)
30A DCC
1A
ED1
25A AM1
1DH
1DN
G–R
AM1
ACC
IG1
G
I13 Ignition SW
3DH
7. 5A RAD NO. 1
4DB
GR
F A (LHD)
F B (RHD)
J 8(A), J20(B) Junction Connector
F A (LHD)
F B (RHD)
B–W
6
15A RAD NO. 2
L–Y (LHD)
L–Y (RHD)
E A
E B
124(A), J25(B) Junction Connector
4CE
10CB
L–Y (LHD)
L–Y (RHD)
W
R
18B
9B
2B
11B
10A
1A
Z 1(A), Z 2(B)
Option Connector (Navigation ECU)
B–L (*2)
B (*2)
W (*2)
B–G (*1)
B–G (*1)
1A
1ED1
1 4A
1 4D
3
3
3
2
2
140A ALT
120A ALT (*3)
100A ALT (*4)
1
1
1
3
1 4B
B (*2)
B–G (*1)
FL MAIN 3. 0W
Battery
6A G
15A G–Y
13A L
16A B
5A P
14A LG
Multi–Display
<40–3><40–4>
3A R–Y
12A V–W
Neutral Start SW (A/T)<18–3>
Back–Up Light SW (M/T)<18–3>
Combination Meter
<42–3>
17A W–B
10CF
6CA
W–B
IP
Right Kick Panel
18A LG
9A R
Radio and Player
<41–3><41–4>
2A P (LHD) LG(RHD)
11A V(LHD) L(RHD)
Tweeter RH (RHD)
<41–3>
Tweeter LH (LHD)
<41–4>


(Cont. next page)
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : w/ Daytime Running Light
* 4 : w/ Wireless Door Lock
Multiplex Communication System (LHD)
Power Source
1 AVENSIS
I14(A) Integration Relay
10A GAUGE1
7. 5A PANEL
TAIL Relay
25A DOOR
7. 5A RAD NO. 1
25A AM1
IG1 Relay
I13 Ignition SW
120A ALT (2AZ–FSE, 1AZ–FSE, 1AZ–FE)
100A ALT (1ZZ–FE, 3ZZ–FE)
140A ALT
7. 5A ECU–B 2
7. 5A DOME
30A DCC
40A MAIN
FL MAIN 3. 0W
Battery
Left Kick Panel
Behind the Combination Meter
W–R(*4)
W–L(*3)
R–W
GR
W–B
W–R
R–W
GR
W–B
W–B
W–B
W–R
W–R
(*4)
G
B–L(*2)
B–G(*1)
G–Y
G–R
G–W
(*3)
B–G
(*1)
W–R
W–R
B–W
B–W
W–L
(*3)
B–L
(*2)
W
(*2)
B
(*2)
B
(*2)
B–G
(*1)
B–G
(*1)
W–B
W–B
W–B

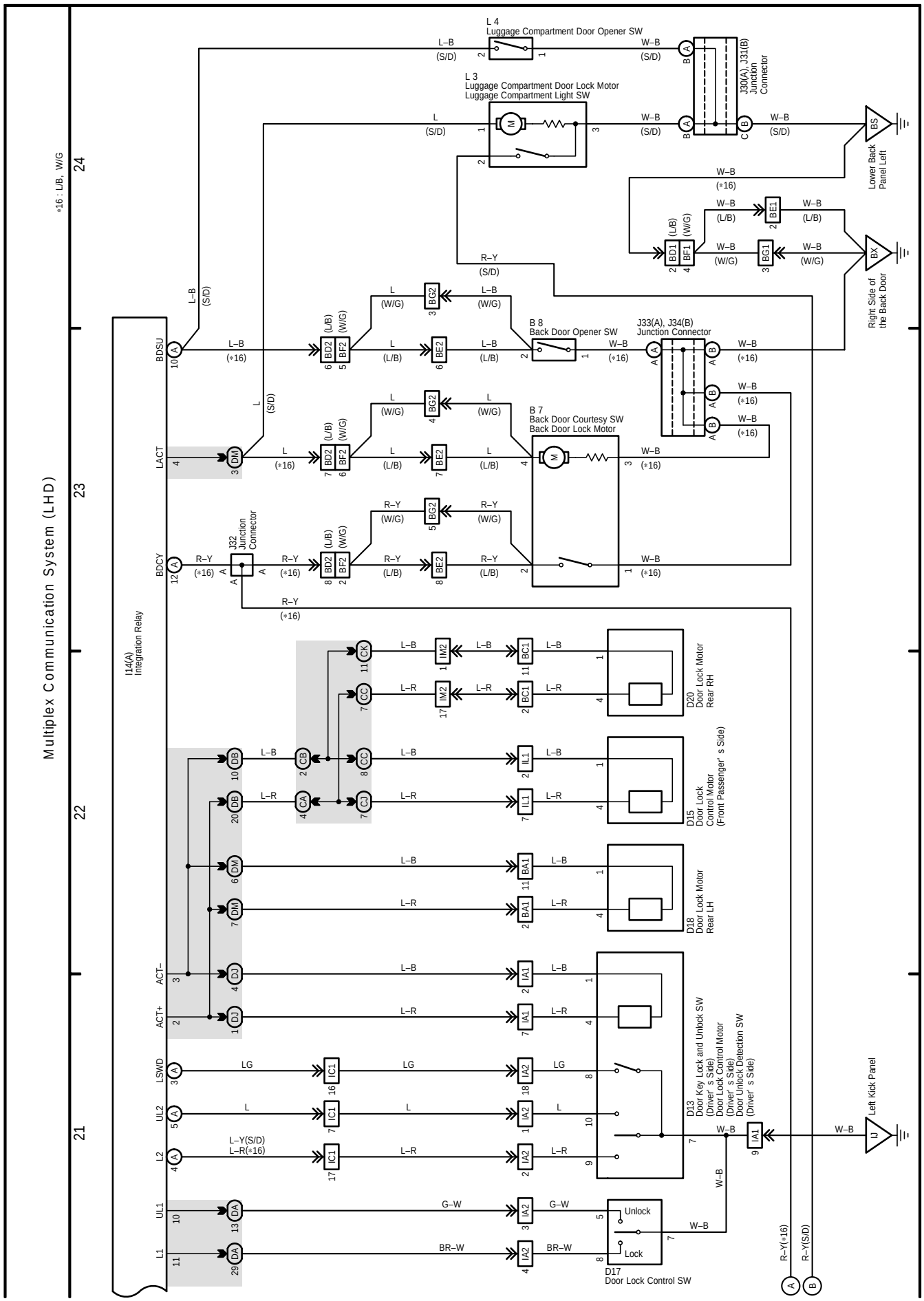

1 AVENSIS (Cont' d)
(Cont. next page)
Multiplex Communication System (LHD)
* 3 : w/ Daytime Running Light
* 4 : w/ Wireless Door Lock
* 5 : w/ Headlight Cleaner
* 6 : *3 w/ HID
* 8 : *3 Power Heater (Electrical Type)
I14(A) Integration Relay
DIM Relay
H–LP Relay
J 3(A), J 4(B) Junction Connector
A/C Control Assembly <48–8><49–8>
Headlight Cleaner SW<28–4><30–4>
Headlight Beam Level Control ECU<24–3>
J 6(A), J 7(B) Junction Connector
D 6 Door Control Receiver
Airbag Sensor Assembly <22–11>
Turn Signal Flasher Relay <15–3>
DLC3 <5–19><6–15><7–14><8–19>
ECT and A/T Indicator System <10–2><12–2>
Moon Roof System <32–2>
Power Window System <33–3>
Taillight System <14–1>
Illumination System <19–3>

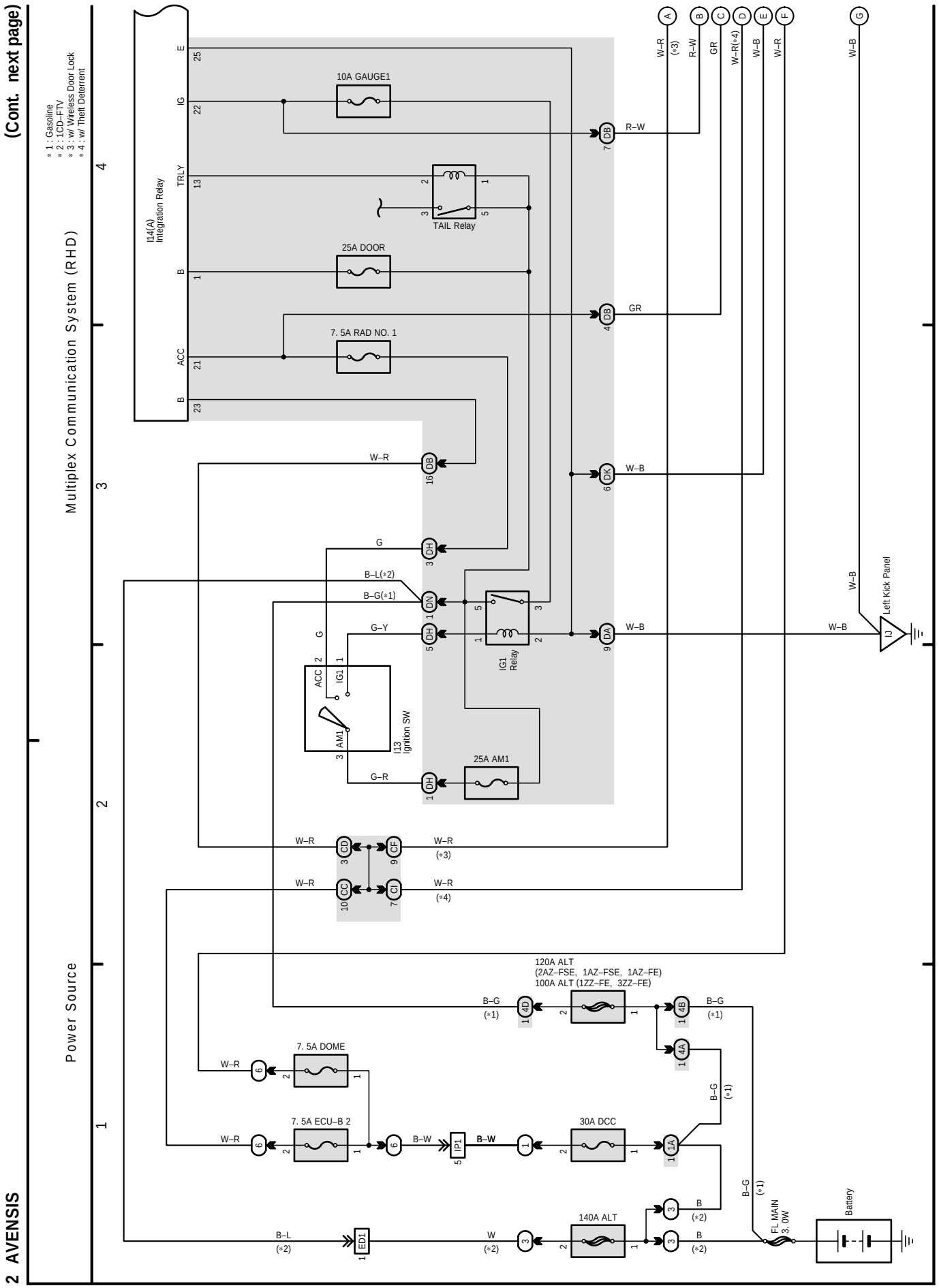

1 AVENSIS (Cont' d)
(Cont. next page)
12
11
10
9
Multiplex Communication System (LHD)
* 3 : w/ Daytime Running Light
* 4 : w/ Wireless Door Lock
* 6 : *3 w/ HID
* 7 : *3 w/o HID
I14(A) Integration Relay
J 8(A), J 9(B) Junction Connector
J 6(A), J 7(B) Junction Connector
J 3(A), J 4(B) Junction Connector
J 2 Junction Connector
C12 Combination SW
Light Control SW
Dimmer SW
Headlight Cleaner Relay<28–4>
IC3
IE1
10A H–LP HI RH
10A H–LP HI LH
15A H–LP RH
15A H–LP LH
H 6 Headlight RH (High)
H 5 Headlight LH (High)
F 9 Headlight Control ECU RH
F10 Headlight RH (Low)
F 7 Headlight Control ECU LH
F 8 Headlight LH (Low)
Behind the Combination Meter
Engine Compartment Right
Engine Compartment Left


1 AVENSIS (Cont' d)
(Cont. next page)
Multiplex Communication System (LHD)
13
14
15
16
P 8
Personal Light
V 9
Vanity Light RH
V 8
Vanity Light LH
I11(A), I12(B)
Ignition Key
Cylinder Light
J10(A), J11(B)
Junction Connector
A13(A), A15(B), A16(C)
A/C Control Assembly
E 9(A), E10(B)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
I14(A)
Integration Relay
C10(A), C11(B)
Combination Meter
BEAN
I/F
CPU
Buzzer
Door
Seat Belt
High Beam
F19
Front Passenger' s Seat Belt
Warning Light
B10
Buckle SW (Front Passenger' s Side)
Occupant Detection Sensor
Right Kick Panel
Under the Right
Center Pillar
Under the Right
Center Pillar
∗3 : w/ Daytime Running Light
∗4 : w/ Wireless Door Lock
∗9 : w/ Engine Immobiliser System
∗10 : w/o Engine Immobiliser System
∗11 : 1AZ–FE, 1ZZ–FE, 3ZZ–FE
∗12 : Except Automatic A/C
∗13 : Automatic A/C
∗14 : Except 1AZ–FE
∗15 : Except 1AZ–FE, Latin America, Argentina, CIS
∗17 : 2AZ–FSE, 1AZ–FSE
∗18 : 1CD–FTV D–CAT
∗19 : 1CD–FTV Except D–CAT


(Cont. next page)
1 AVENSIS (Cont' d)
17
18
19
20
Multiplex Communication System (LHD)
* 3 : w/ Daytime Running Light
* 9 : w/ Engine Immobiliser System
*16 : LHD, W/G
Transponder Key Computer <9–4>
U 1 Unlock Warning SW
J16 Junction Connector
Behind the Combination Meter
D12 Door Courtesy SW Rear RH
D11 Door Courtesy SW Rear LH
D10 Door Courtesy SW Front RH
D 9 Door Courtesy SW Front LH
J10(A), J11(B) Junction Connector
I14(A) Integration Relay
I16 Interior Light
D 7 Door Courtesy Light LH
D 8 Door Courtesy Light RH
J 6(A), J 7(B) Junction Connector
J32 Junction Connector
L 5 Luggage Compartment Light
R17 Rear Interior Light
D 3 Diode
R–Y(*16)
R–Y(S/D)
W–B (*3)

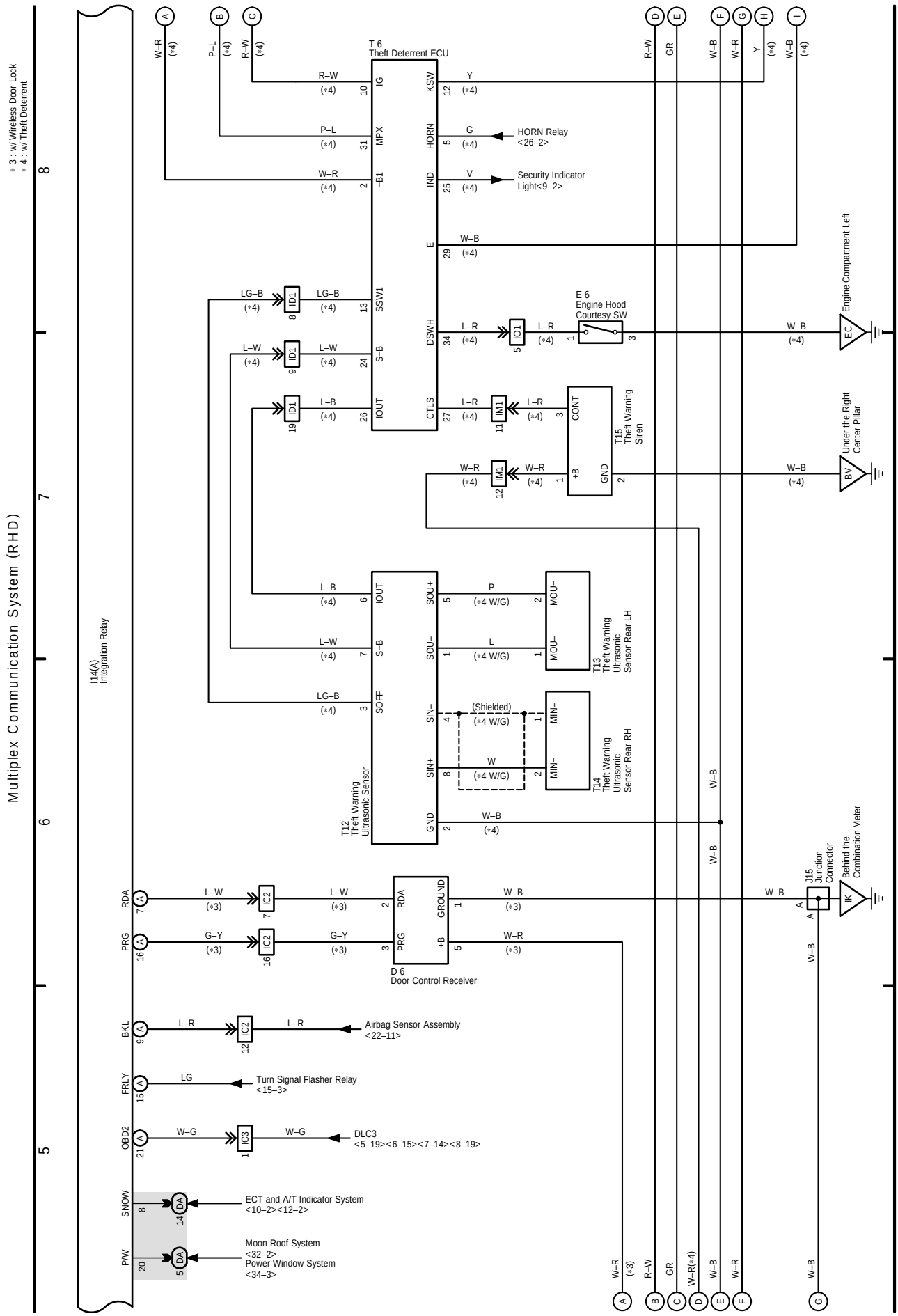
1 AVENSIS (Cont' d)

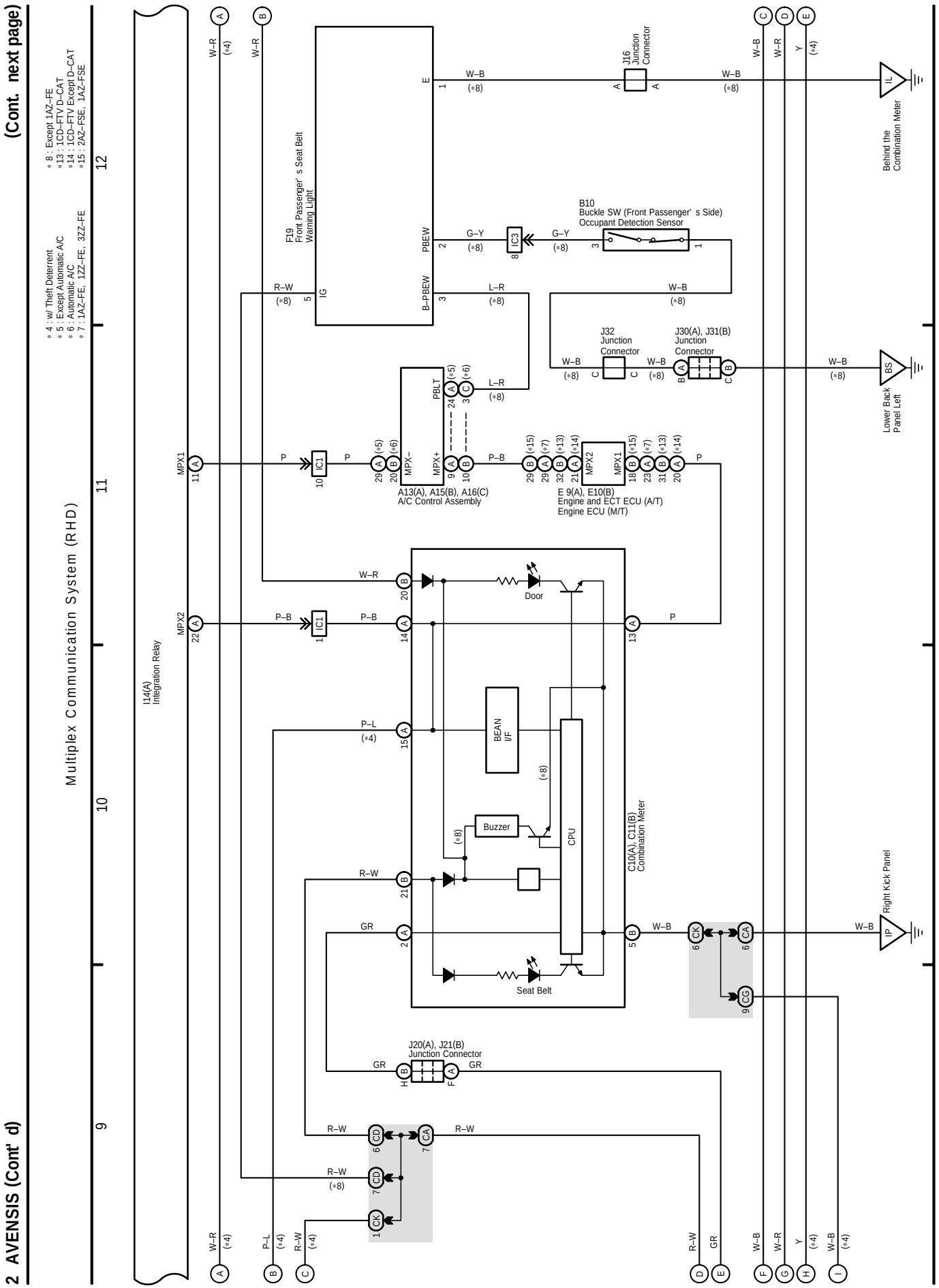


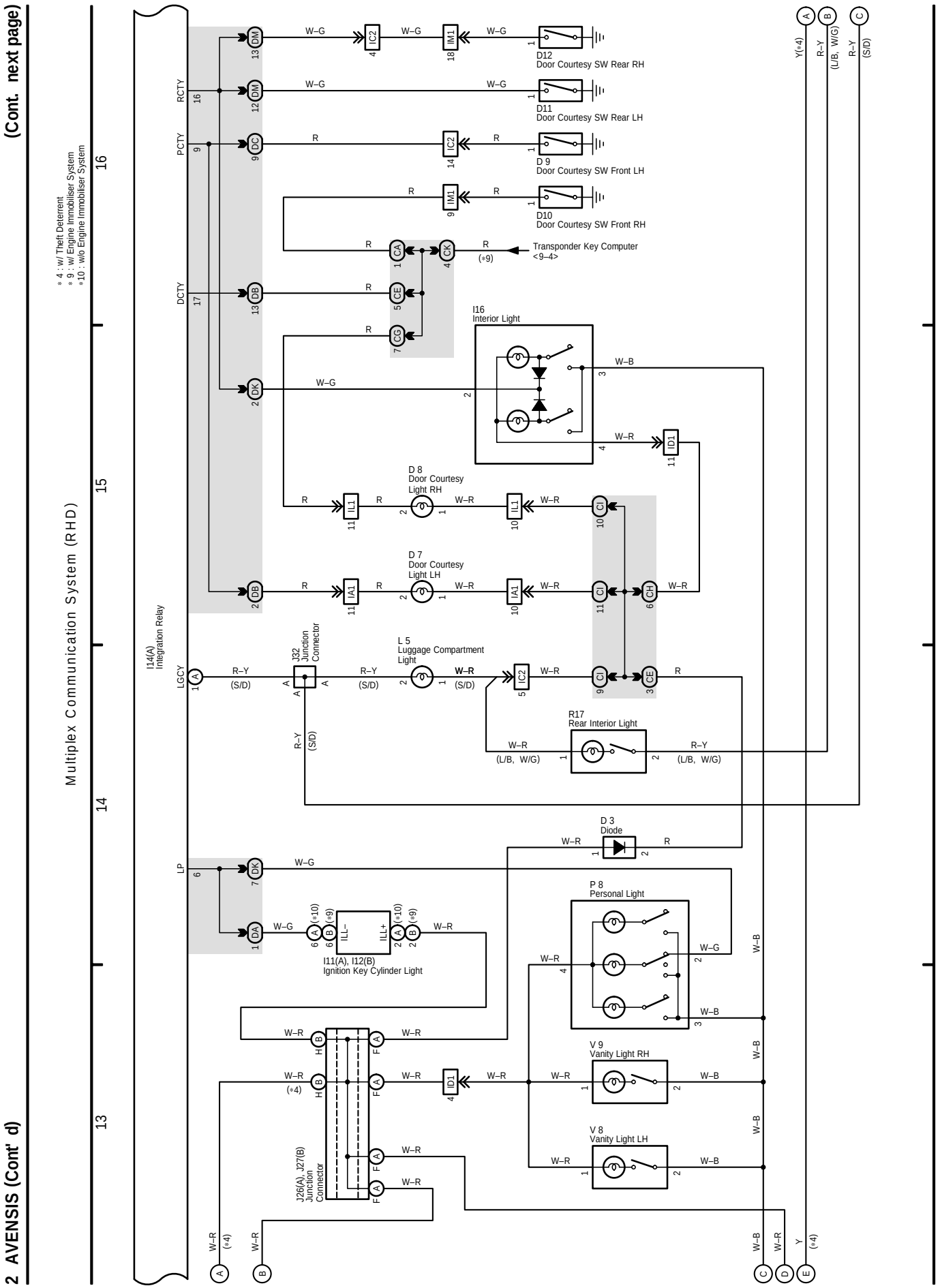

(Cont. next page)
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : w/ Wireless Door Lock
* 4 : w/ Theft Deterrent
Multiplex Communication System (RHD)
Power Source
2 AVENSIS
I14(A) Integration Relay
E
IG
TRLY
B
ACC
B
10A GAUGE1
25A DOOR
7. 5A RAD NO. 1
TAIL Relay
I13 Ignition SW
IG1 Relay
25A AM1
120A ALT (2AZ–FSE, 1AZ–FSE, 1AZ–FE) 100A ALT (1ZZ–FE, 3ZZ–FE)
7. 5A DOME
7. 5A ECU–B 2
30A DCC
140A ALT
FL MAIN 3. 0W
Battery
Left Kick Panel
W–R (*3)
R–W
GR
W–R(*4)
W–B
W–R
W–B
W–B
W–B
W–R
G
B–L(*2)
B–G(*1)
G–Y
G–R
W–R
W–R
W–R (*3)
W–R (*4)
B–G (*1)
B–G (*1)
B–G (*1)
B–W
B–L (*2)
W (*2)
B (*2)
B (*2)
B–G (*1)

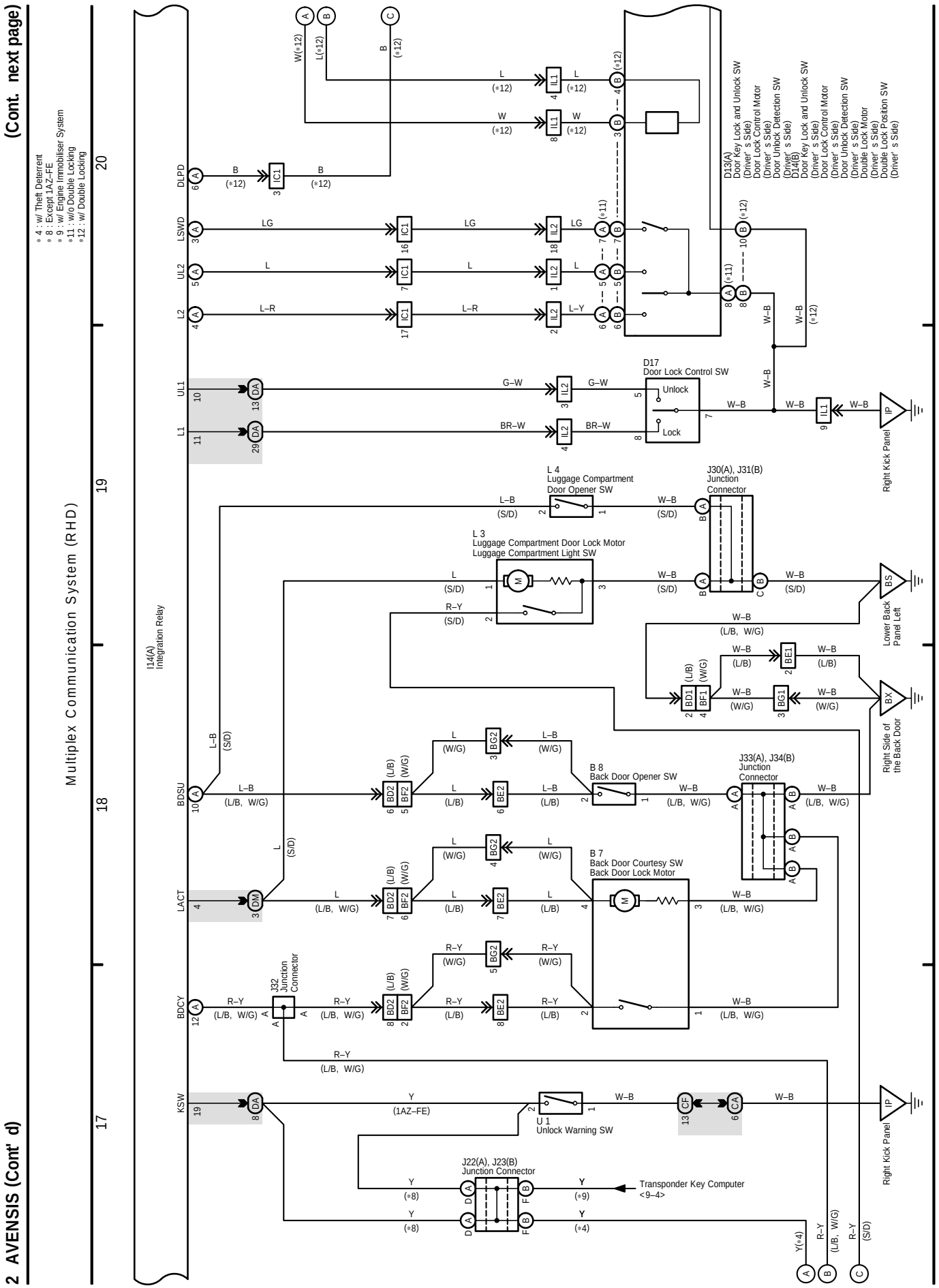
2 AVENSIS (Cont' d)

(Cont. next page)

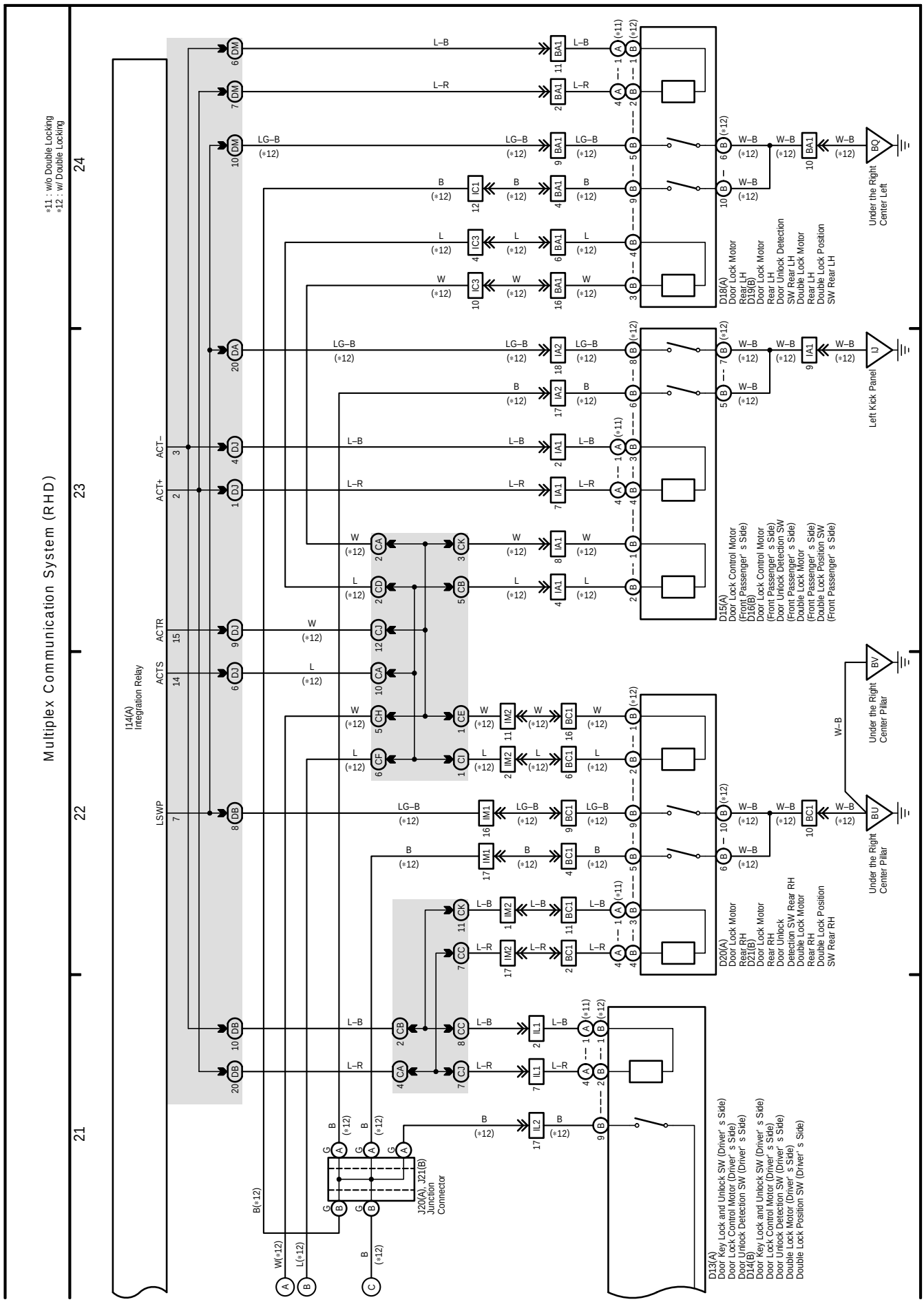


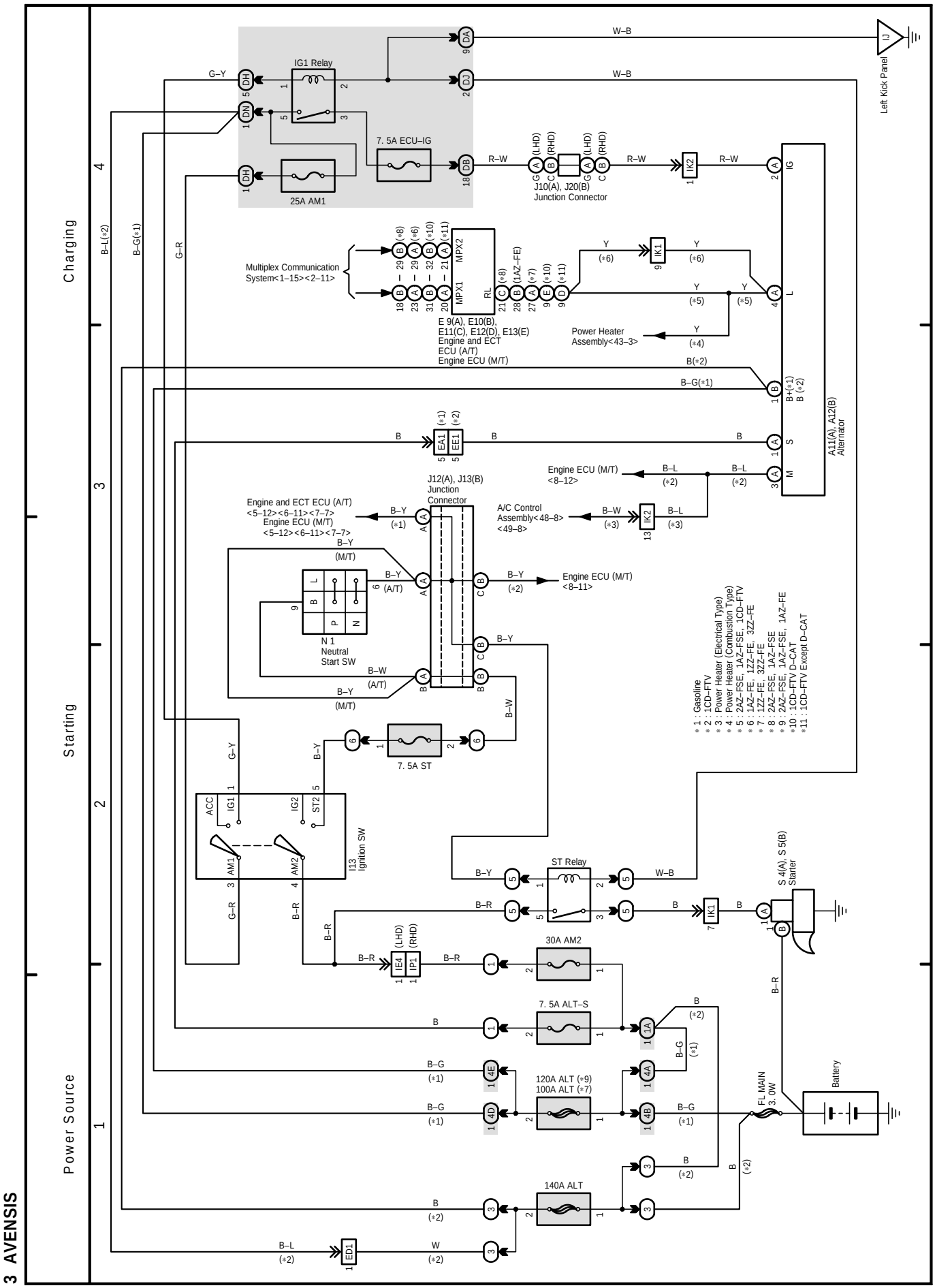

(Cont. next page)
2 AVENSIS (Cont' d)
Multiplex Communication System (RHD)
* 4 : w/ Theft Deterrent
* 5 : Except Automatic A/C
* 6 : Automatic A/C
* 7 : 1AZ–FE, 1ZZ–FE, 3ZZ–FE
* 8 : Except 1AZ–FE
*13 : 1CD–FTV D–CAT
*14 : 1CD–FTV Except D–CAT
*15 : 2AZ–FSE, 1AZ–FSE
I14(A) Integration Relay
F19 Front Passenger' s Seat Belt Warning Light
B10 Buckle SW (Front Passenger' s Side) Occupant Detection Sensor
J16 Junction Connector
Behind the Combination Meter
J32 Junction Connector
J30(A), J31(B) Junction Connector
Lower Back Panel Left
A13(A), A15(B), A16(C) A/C Control Assembly
E 9(A), E10(B) Engine and ECT ECU (A/T) Engine ECU (M/T)
C10(A), C11(B) Combination Meter
Door
Seat Belt
BEAN I/F
CPU
Buzzer
J20(A), J21(B) Junction Connector
Right Kick Panel
9 10 11 12

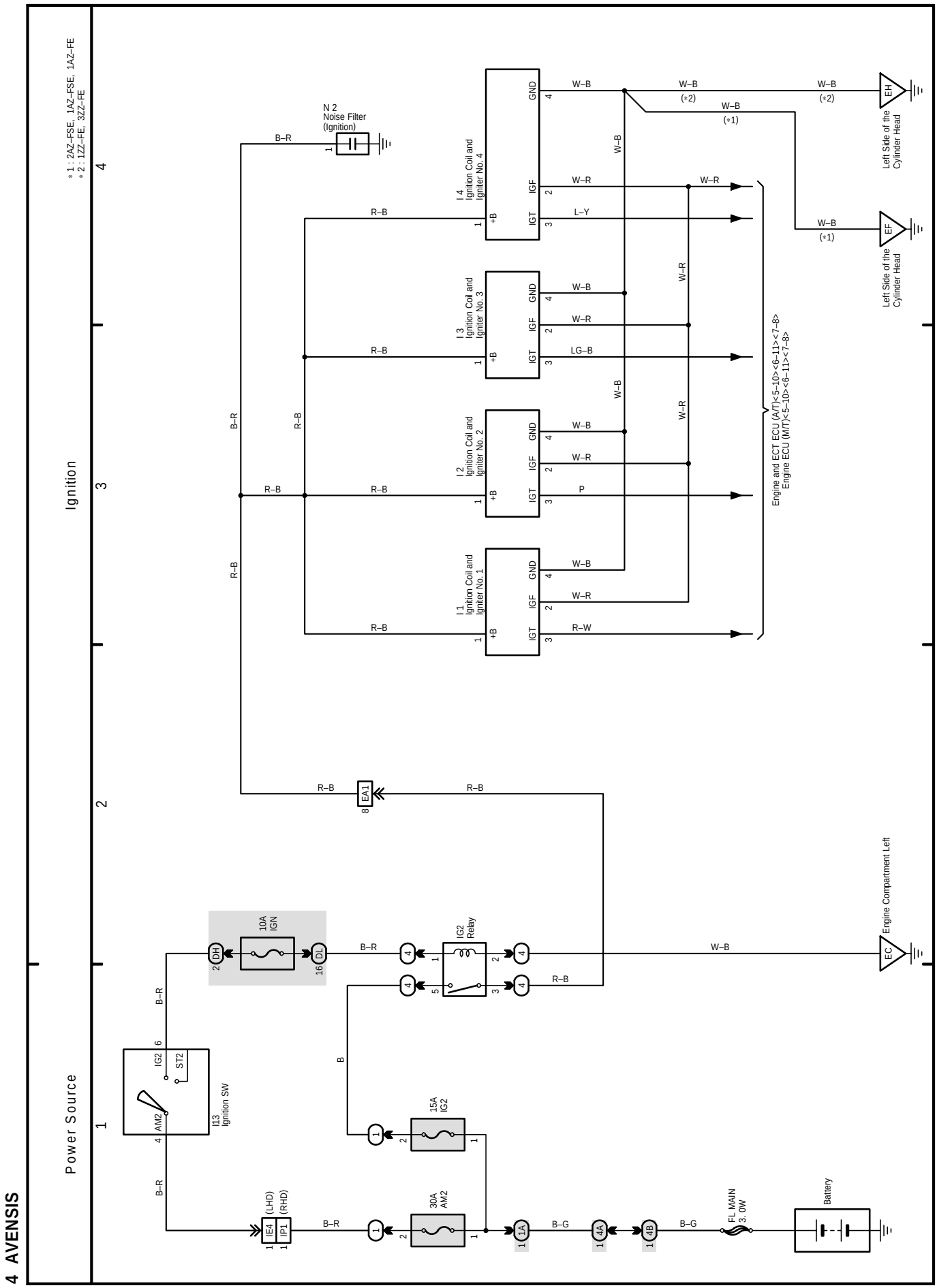

2 AVENSIS (Cont' d)
(Cont. next page)
Multiplex Communication System (RHD)
16
15
14
13
* 4 : w/ Theft Deterrent
* 9 : w/ Engine Immobiliser System
*10 : w/o Engine Immobiliser System
I14(A)
Integration Relay
J32
Junction
Connector
D12
Door Courtesy SW Rear RH
D11
Door Courtesy SW Rear LH
D 9
Door Courtesy SW Front LH
D10
Door Courtesy SW Front RH
Transponder Key Computer
I16
Interior Light
D 8
Door Courtesy
Light RH
D 7
Door Courtesy
Light LH
L 5
Luggage Compartment
Light
R17
Rear Interior Light
D 3
Diode
P 8
Personal Light
V 9
Vanity Light RH
V 8
Vanity Light LH
I11(A), I12(B)
Ignition Key Cylinder Light
J26(A), J27(B)
Junction
Connector
RCTY
PCTY
DCTY
LGCY
LP
W–G
W–B
W–R
R–Y
(S/D)
(L/B, W/G)
R
Y
Y(*4)

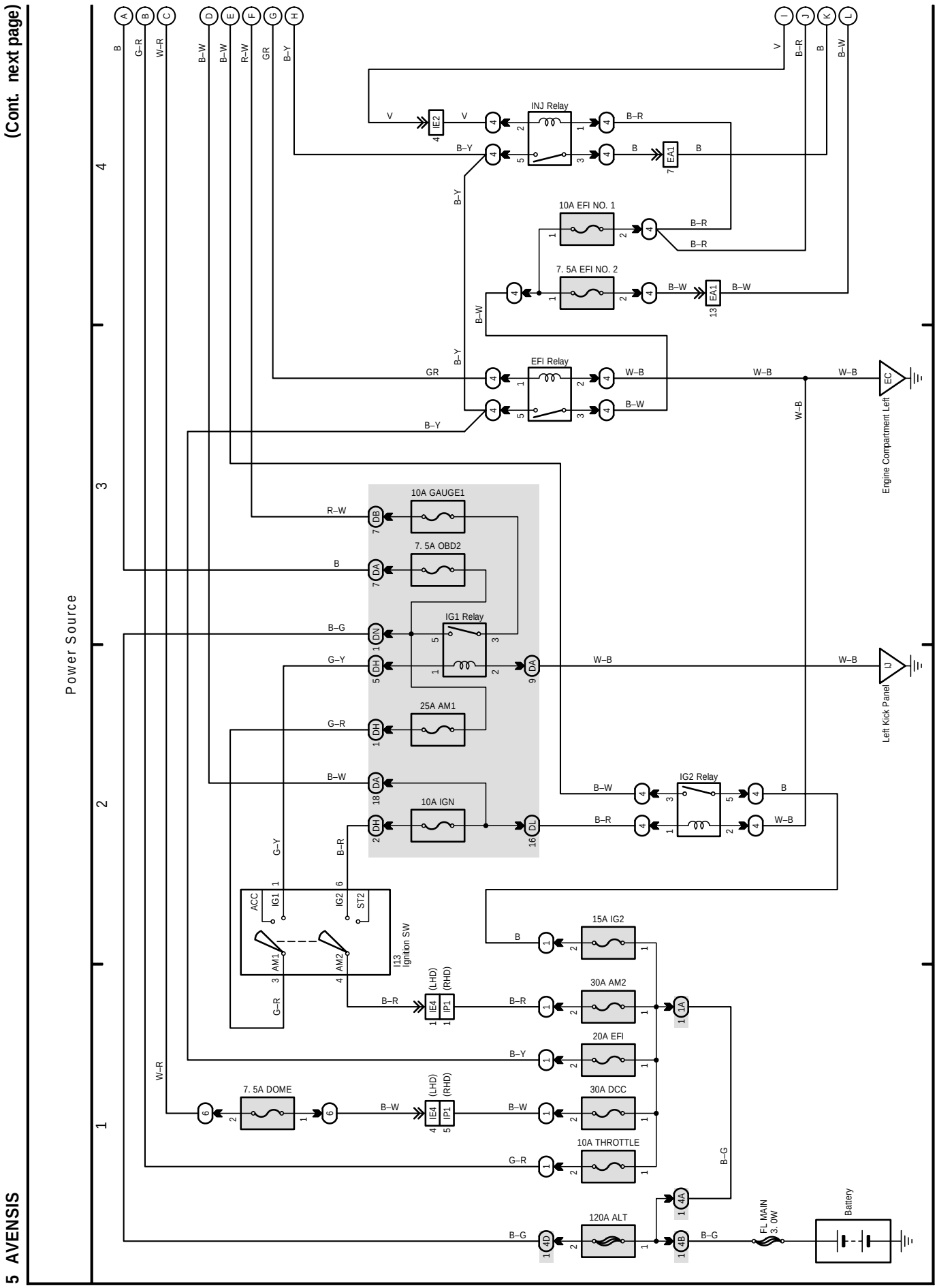

2 AVENSIS (Cont' d)
(Cont. next page)
Multiplex Communication System (RHD)
17
18
19
20
* 4 : w/ Theft Deterrent
* 8 : Except 1AZ–FE
* 9 : w/ Engine Immobiliser System
*11 : w/o Double Locking
*12 : w/ Double Locking
I14(A) Integration Relay
D13(A) Door Key Lock and Unlock SW (Driver's Side) Door Lock Control Motor (Driver's Side) Door Unlock Detection SW (Driver's Side) D13(B) Door Key Lock and Unlock SW (Driver's Side) Door Lock Control Motor (Driver's Side) Door Unlock Detection SW (Driver's Side) Double Lock Motor (Driver's Side) Double Lock Position SW (Driver's Side)
D17 Door Lock Control SW
Unlock
Lock
Right Kick Panel
L 4 Luggage Compartment Door Opener SW
J30(A), J31(B) Junction Connector
L 3 Luggage Compartment Door Lock Motor Luggage Compartment Light SW
Lower Back Panel Left
Right Side of the Back Door
B 8 Back Door Opener SW
J33(A), J34(B) Junction Connector
B 7 Back Door Courtesy SW Back Door Lock Motor
J32 Junction Connector
U 1 Unlock Warning SW
J22(A), J23(B) Junction Connector
Transponder Key Computer
<9–4>
DLPD
LSWD
UL2
L2
UL1
L1
BDSU
LACT
BDCY
KSW

2 AVENSIS (Cont' d)



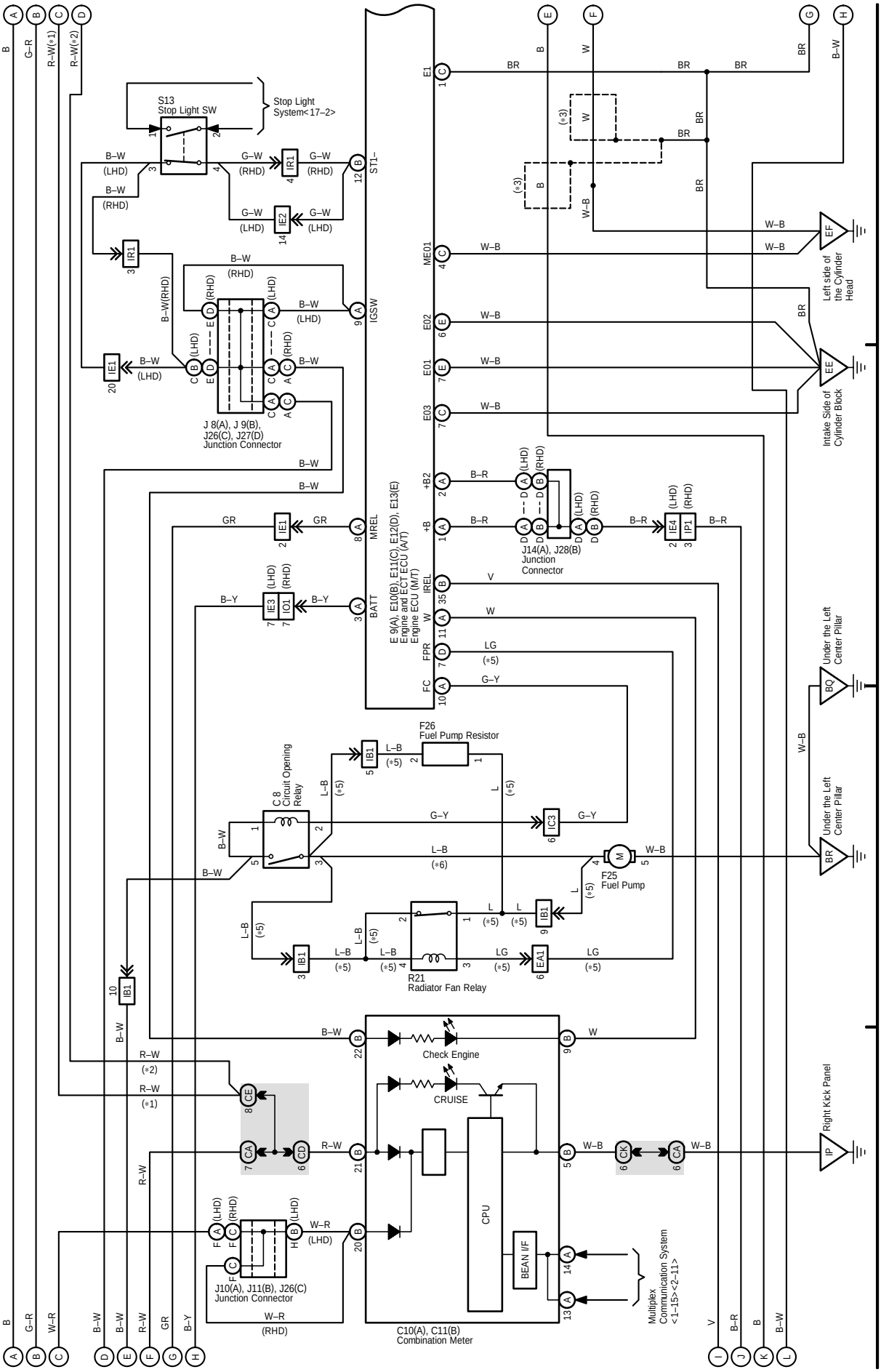

Charging
Starting
Power Source
IG1 Relay
7. 5A ECU–IG
25A AM1
J10(A), J20(B)
Junction Connector
Left Kick Panel
Multiplex Communication
System<1–15><2–11>
E 9(A), E10(B),
E11(C), E12(D), E13(E)
Engine and ECT
ECU (A/T)
Engine ECU (M/T)
Power Heater
Assembly<43–3>
A11(A), A12(B)
Alternator
J12(A), J13(B)
Junction
Connector
Engine and ECT ECU (A/T)
<5–12><6–11><7–7>
Engine ECU (M/T)
<5–12><6–11><7–7>
Engine ECU (M/T)
<8–12>
Engine ECU (M/T)
<8–11>
A/C Control
Assembly<48–8>
<49–8>
N 1
Neutral
Start SW
7. 5A ST
I13
Ignition SW
ST Relay
S 4(A), S 5(B)
Starter
30A AM2
7. 5A ALT–S
120A ALT (*9)
100A ALT (*7)
140A ALT
FL MAIN
3. 0W
Battery
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : Power Heater (Electrical Type)
* 4 : Power Heater (Combustion Type)
* 5 : 2AZ–FSE, 1AZ–FSE, 1CD–FTV
* 6 : 1AZ–FE, 1ZZ–FE, 3ZZ–FE
* 7 : 1ZZ–FE, 3ZZ–FE
* 8 : 2AZ–FSE, 1AZ–FSE
* 9 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
*10 : 1CD–FTV D–CAT
*11 : 1CD–FTV Except D–CAT

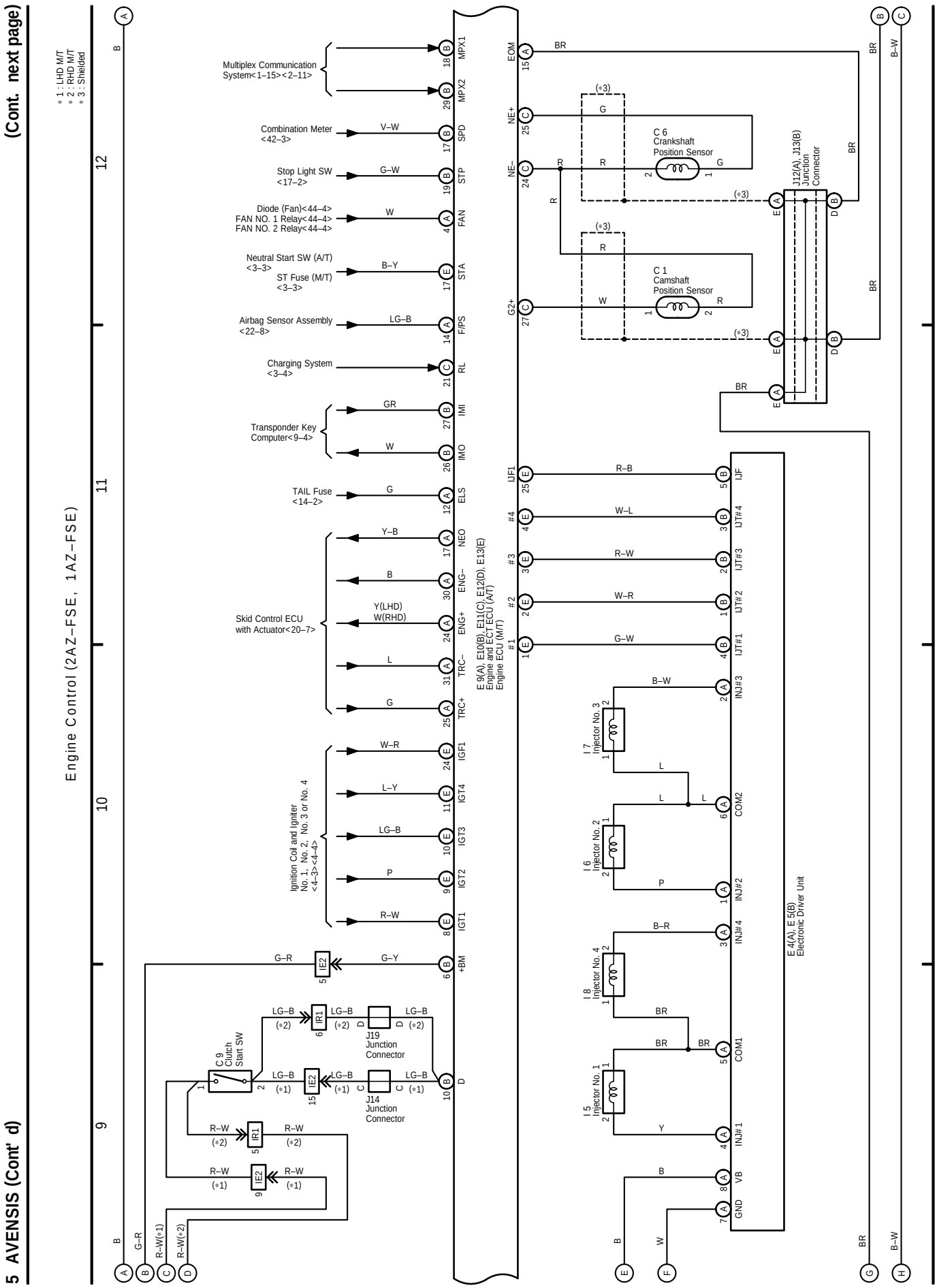

4 AVENSIS
Power Source
Ignition
1
2
3
4
* 1 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 2 : 1ZZ–FE, 3ZZ–FE
N 2
Noise Filter
(Ignition)
I 4
Ignition Coil and
Igniter No. 4
I 3
Ignition Coil and
Igniter No. 3
I 2
Ignition Coil and
Igniter No. 2
I 1
Ignition Coil and
Igniter No. 1
GND
IGF
IGT
+B
W–B
W–R
L–Y
LG–B
P
R–W
R–B
B–R
B
B–G
(*1)
(*2)
EH
EF
EC
Left Side of the
Cylinder Head
Engine Compartment Left
Engine and ECT ECU (A/T)<5–10><6–11><7–8>
Engine ECU (M/T)<5–10><6–11><7–8>
10A
IGN
IG2
Relay
15A
IG2
30A
AM2
FL MAIN
3. 0W
Battery
I13
Ignition SW
IG2
ST2
AM2
(LHD)
(RHD)
IE4
IP1
EA1
DH
DL


(Cont. next page)
5 AVENSIS
Power Source
INJ Relay
EFI Relay
IG1 Relay
IG2 Relay
10A EFI NO. 1
7. 5A EFI NO. 2
10A GAUGE1
7. 5A OBD2
25A AM1
10A IGN
15A IG2
30A AM2
20A EFI
7. 5A DOME
30A DCC
10A THROTTLE
120A ALT
I13 Ignition SW
Engine Compartment Left
Left Kick Panel
Battery
FL MAIN 3. 0W

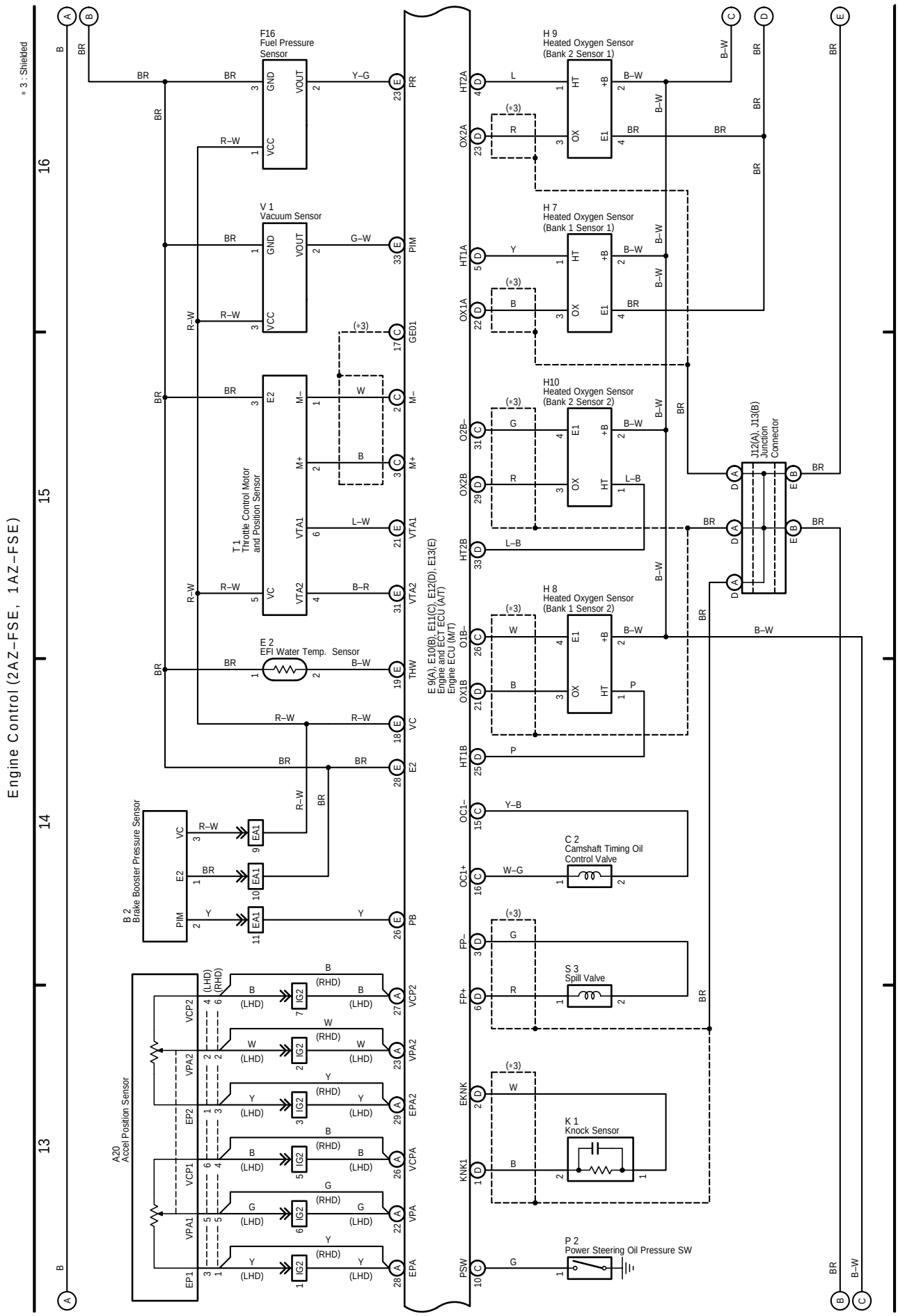
5 AVENSIS (Cont' d)

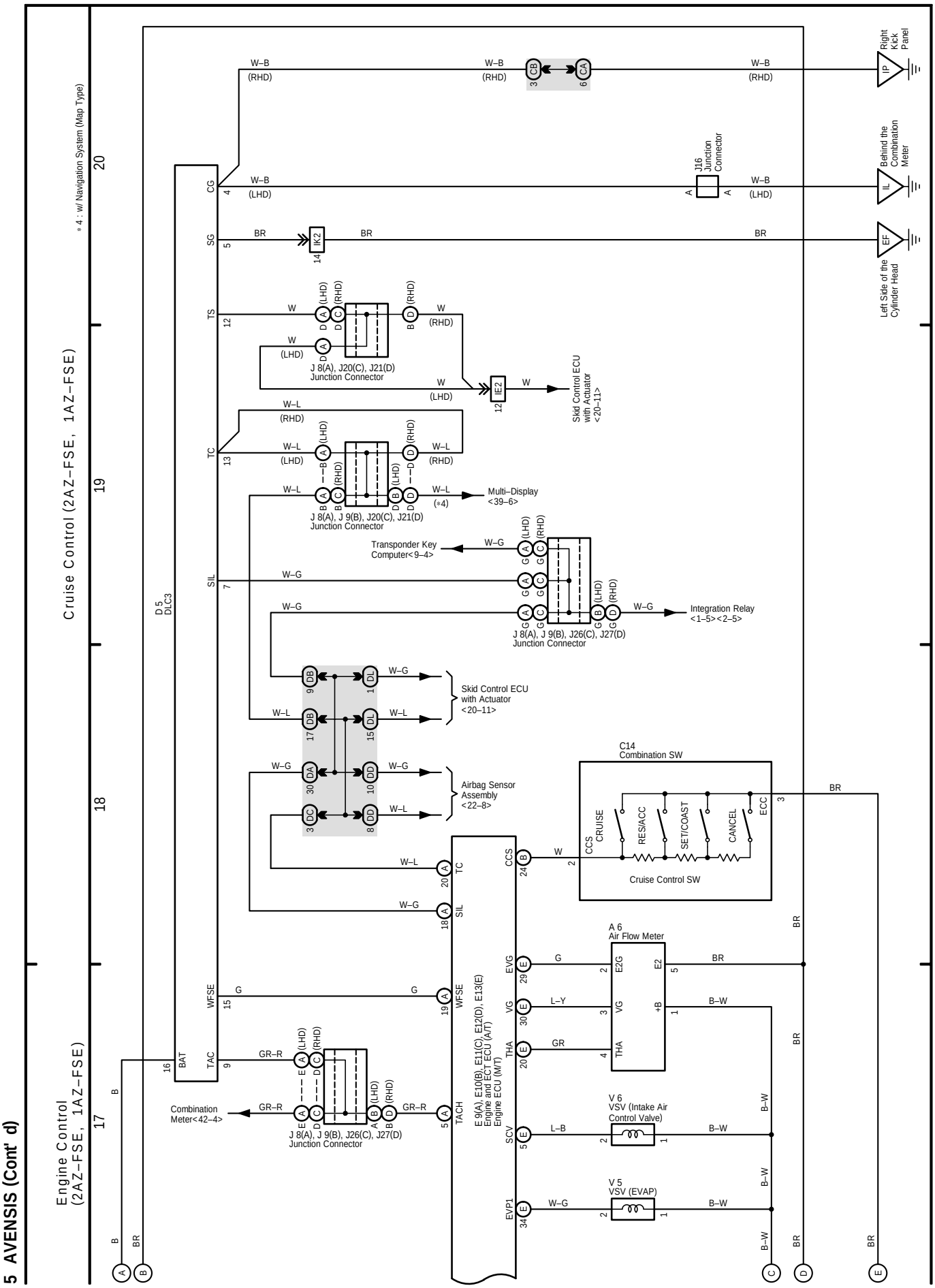
(Cont. next page)

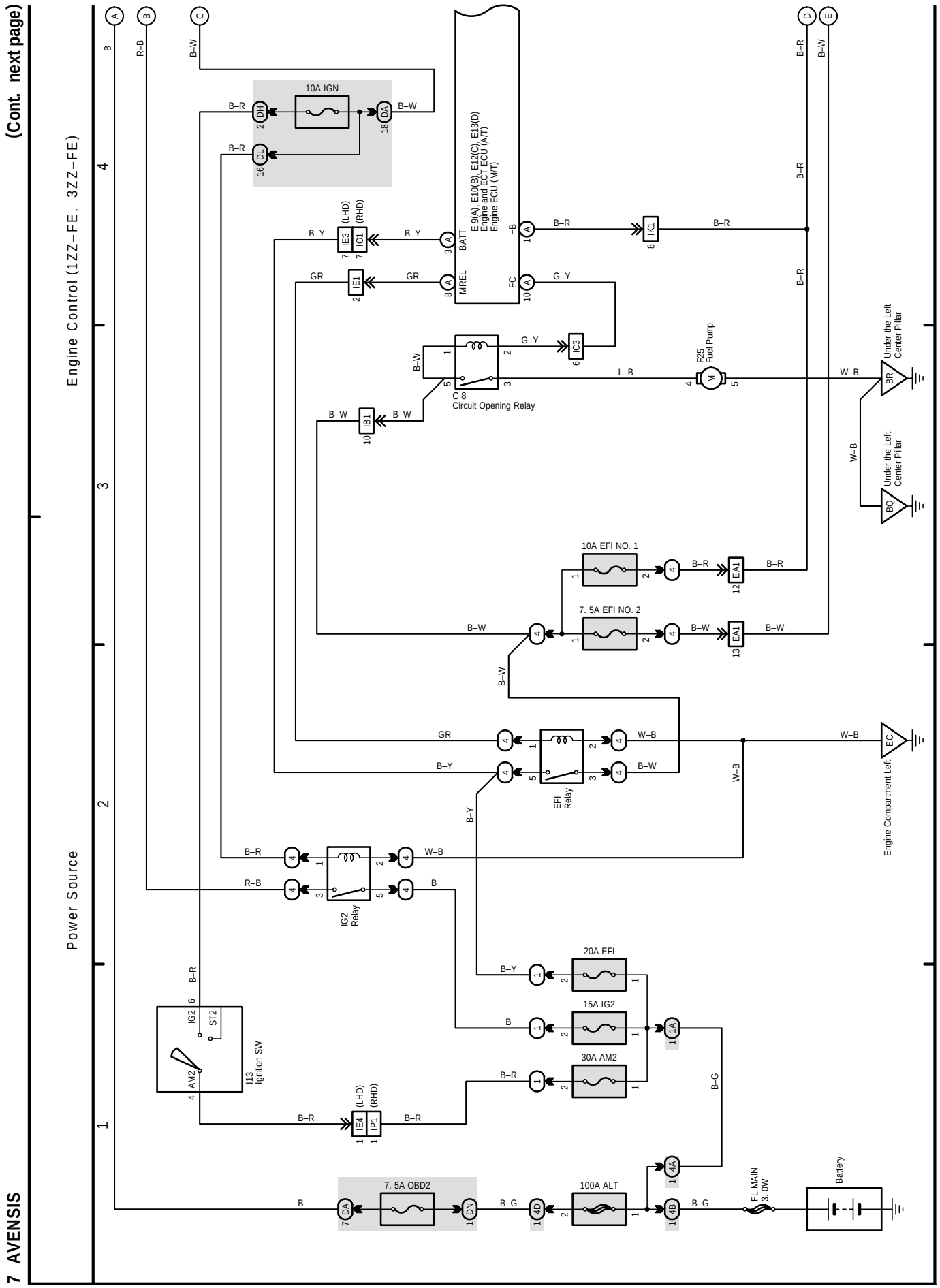



5 AVENSIS (Cont' d)
(Cont. next page)
Engine Control (2AZ–FSE, 1AZ–FSE)
9
10
11
12
* 1 : LHD M/T
* 2 : RHD M/T
* 3 : Shielded
Multiplex Communication System<1–15><2–11>
Combination Meter <42–3>
Stop Light SW <17–2>
Diode (Fan)<44–4>
FAN NO. 1 Relay<44–4>
FAN NO. 2 Relay<44–4>
Neutral Start SW (A/T) <3–3>
ST Fuse (M/T) <3–3>
Airbag Sensor Assembly <22–8>
Charging System <3–4>
Transponder Key Computer<9–4>
TAIL Fuse <14–2>
Skid Control ECU with Actuator<20–7>
Ignition Coil and Igniter No. 1, No. 2, No. 3 or No. 4 <4–3><4–4>
E 9(A), E10(B), E11(C), E12(D), E13(E) Engine and ECT ECU (A/T) Engine ECU (M/T)
C 6 Crankshaft Position Sensor
C 1 Camshaft Position Sensor
J12(A), J13(B) Junction Connector
E 4(A), E 5(B) Electronic Driver Unit
I 7 Injector No. 3
I 6 Injector No. 2
I 8 Injector No. 4
I 5 Injector No. 1
C 9 Clutch Start SW
J19 Junction Connector
J14 Junction Connector

5 AVENSIS (Cont' d) (Cont. next page)

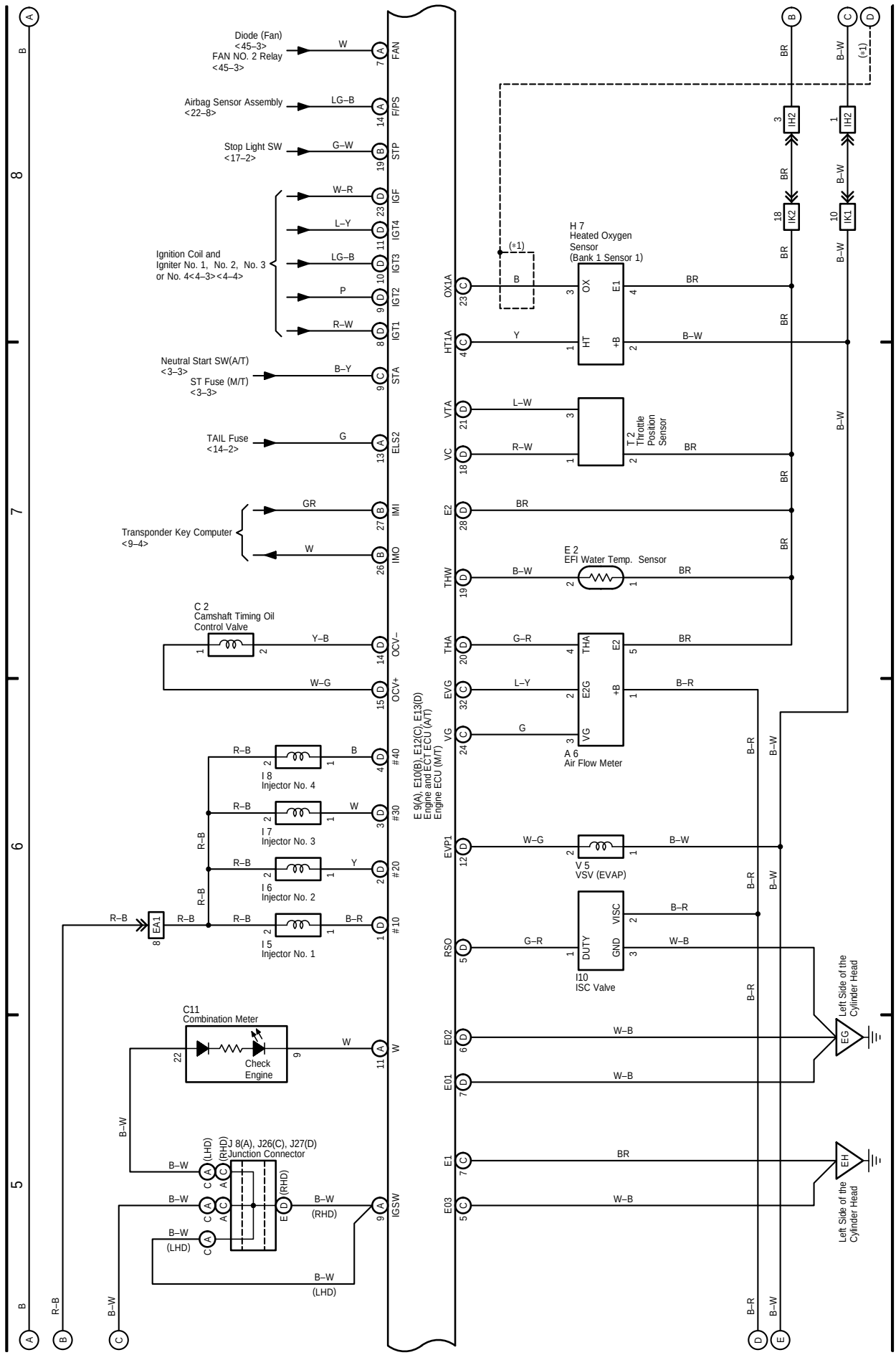


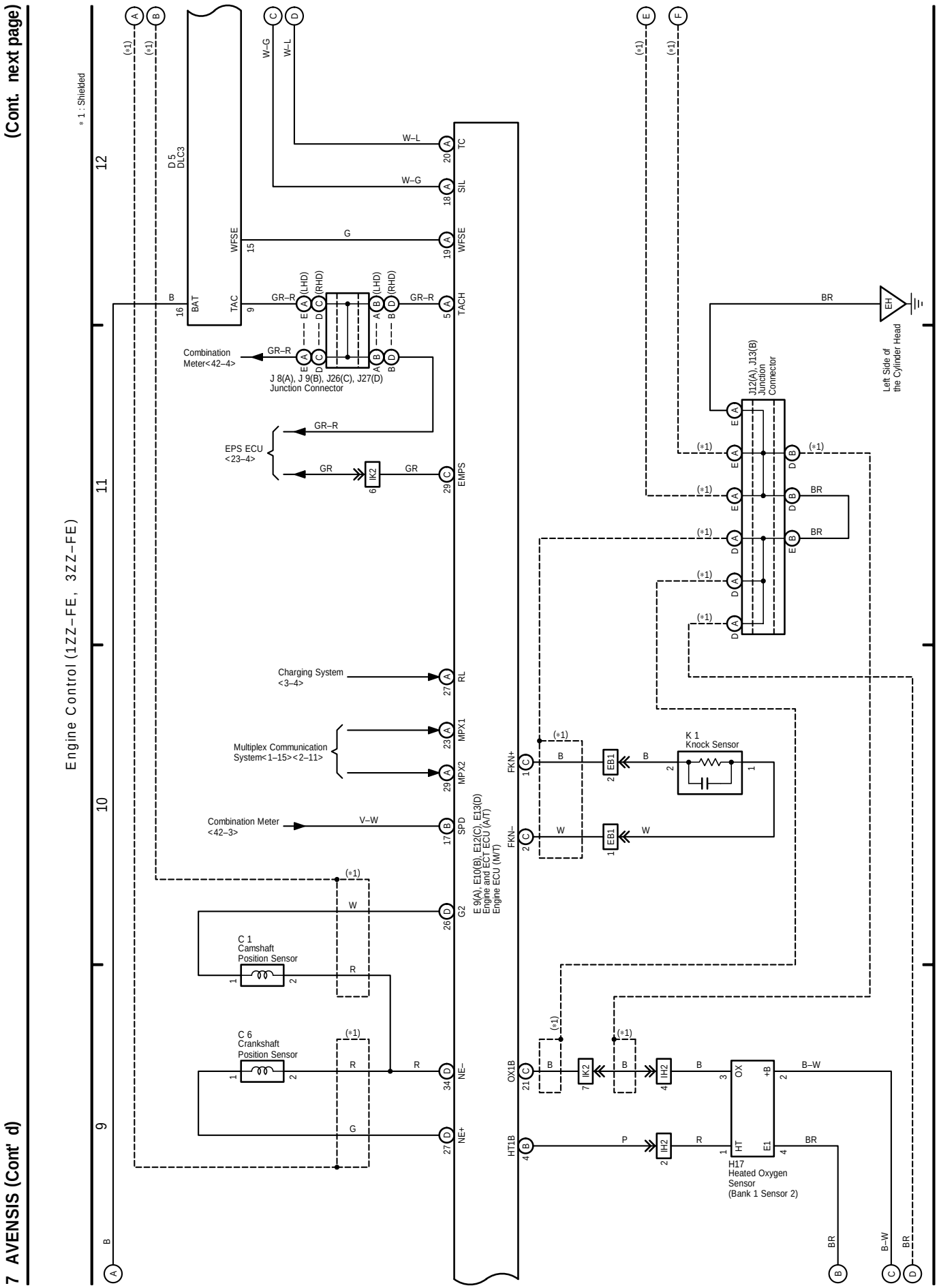

5 AVENSIS (Cont' d)
Engine Control (2AZ–FSE, 1AZ–FSE)
Cruise Control (2AZ–FSE, 1AZ–FSE)
17
18
19
20
* 4 : w/ Navigation System (Map Type)
D 5 DLC3
BAT
TAC
CG
SG
TS
TC
SIL
WFSE
Right Kick Panel
Behind the Combination Meter
Left Side of the Cylinder Head
J16 Junction Connector
IK2
IE2
Skid Control ECU with Actuator <20–11>
Multi–Display <39–6>
Transponder Key Computer<9–4>
Integration Relay <1–5><2–5>
J 8(A), J20(C), J21(D) Junction Connector
J 8(A), J 9(B), J20(C), J21(D) Junction Connector
J 8(A), J 9(B), J26(C), J27(D) Junction Connector
Airbag Sensor Assembly <22–8>
Combination Meter<42–4>
C14 Combination SW
CRUISE
RES/ACC
SET/COAST
CANCEL
CCS
ECC
Cruise Control SW
A 6 Air Flow Meter
E2G
VG
THA
+B
E2
V 6 VSV (Intake Air Control Valve)
V 5 VSV (EVAP)
E9(A), E10(B), E11(C), E12(D), E13(E) Engine and ECT ECU (A/T) Engine ECU (M/T)
EVG
SCV
EVP1
TACH


(Cont. next page)
Engine Control (1ZZ–FE, 3ZZ–FE)
Power Source
7 AVENSIS
10A IGN
E 9(A), E10(B), E12(C), E13(D)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
BATT
+B
MREL
FC
C 8
Circuit Opening Relay
F25
Fuel Pump
Under the Left
Center Pillar
10A EFI NO. 1
7. 5A EFI NO. 2
EFI
Relay
Engine Compartment Left
IG2
Relay
20A EFI
15A IG2
30A AM2
I13
Ignition SW
7. 5A OBD2
100A ALT
FL MAIN
3. 0W
Battery

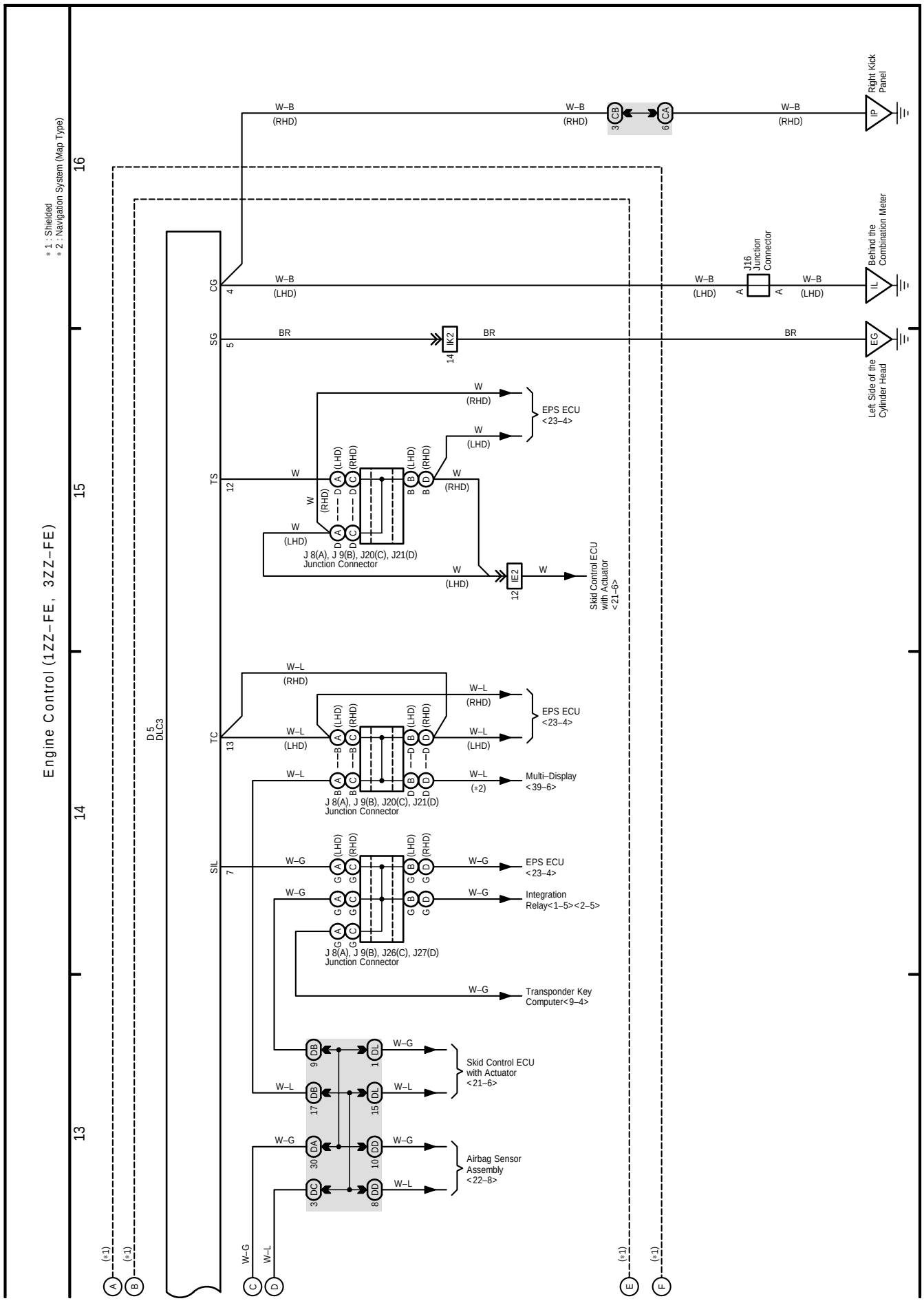
7 AVENSIS (Cont' d)

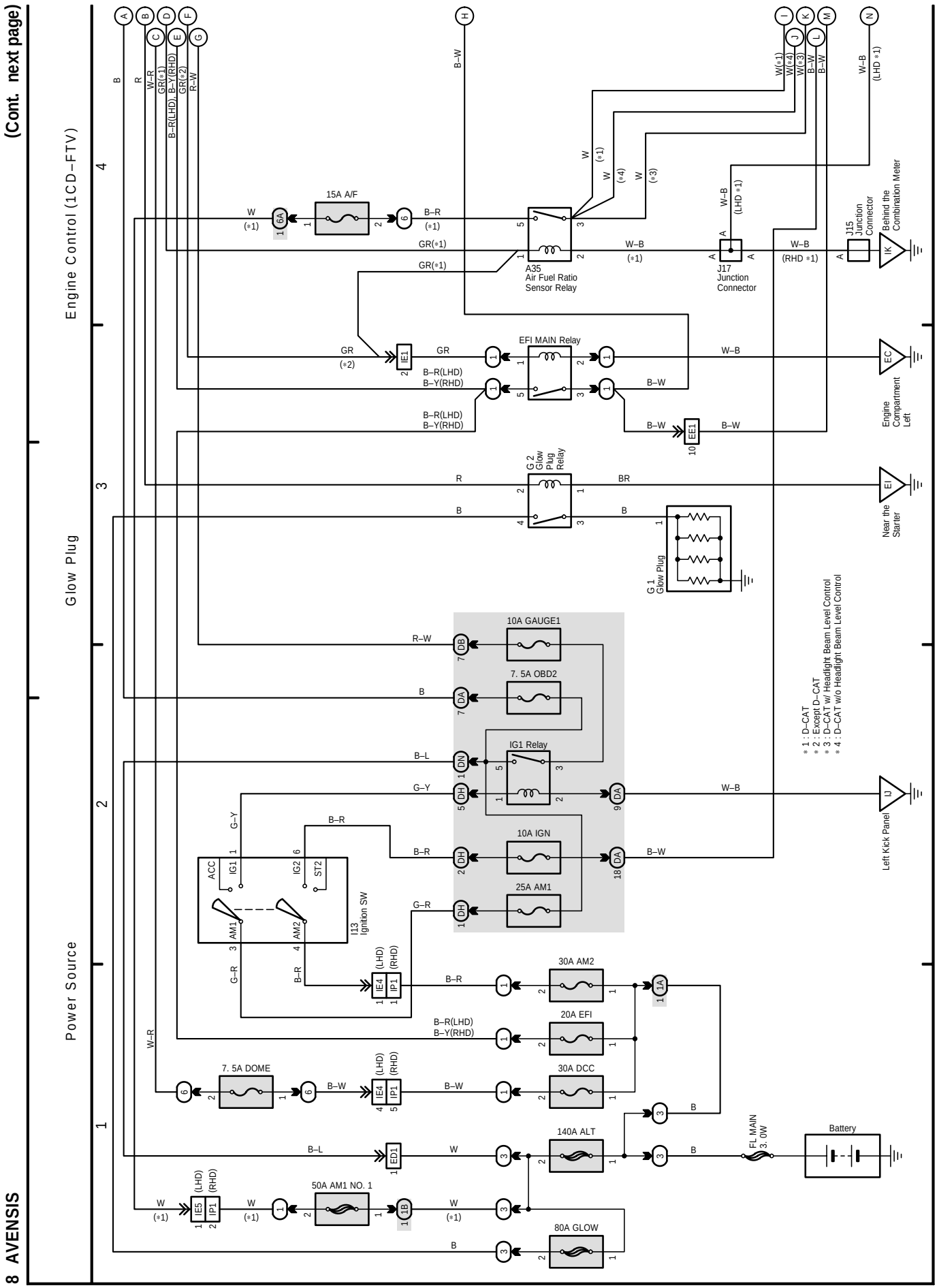
(Cont. next page)




(Cont. next page)
7 AVENSIS (Cont' d)
Engine Control (1ZZ–FE, 3ZZ–FE)
* 1 : Shielded
D 5 DLC3
BAT
TAC
WFSE
TC
SIL
TACH
EMPS
RL
MPX1
MPX2
SPD
G2
NE–
NE+
OX1B
HT1B
W–L
W–G
G
GR–R
GR
V–W
P
R
W
B
BR
B–W
Combination Meter <42–4>
J 8(A), J 9(B), J26(C), J27(D) Junction Connector
EPS ECU <23–4>
Charging System <3–4>
Multiplex Communication System<1–15><2–11>
Combination Meter <42–3>
E 9(A), E10(B), E12(C), E13(D) Engine and ECT ECU (A/T) Engine ECU (M/T)
C 1 Camshaft Position Sensor
C 6 Crankshaft Position Sensor
K 1 Knock Sensor
H17 Heated Oxygen Sensor (Bank 1 Sensor 2)
J12(A), J13(B) Junction Connector
Left Side of the Cylinder Head
IK2
EB1
IH2
EH
(LHD)
(RHD)
(*1)

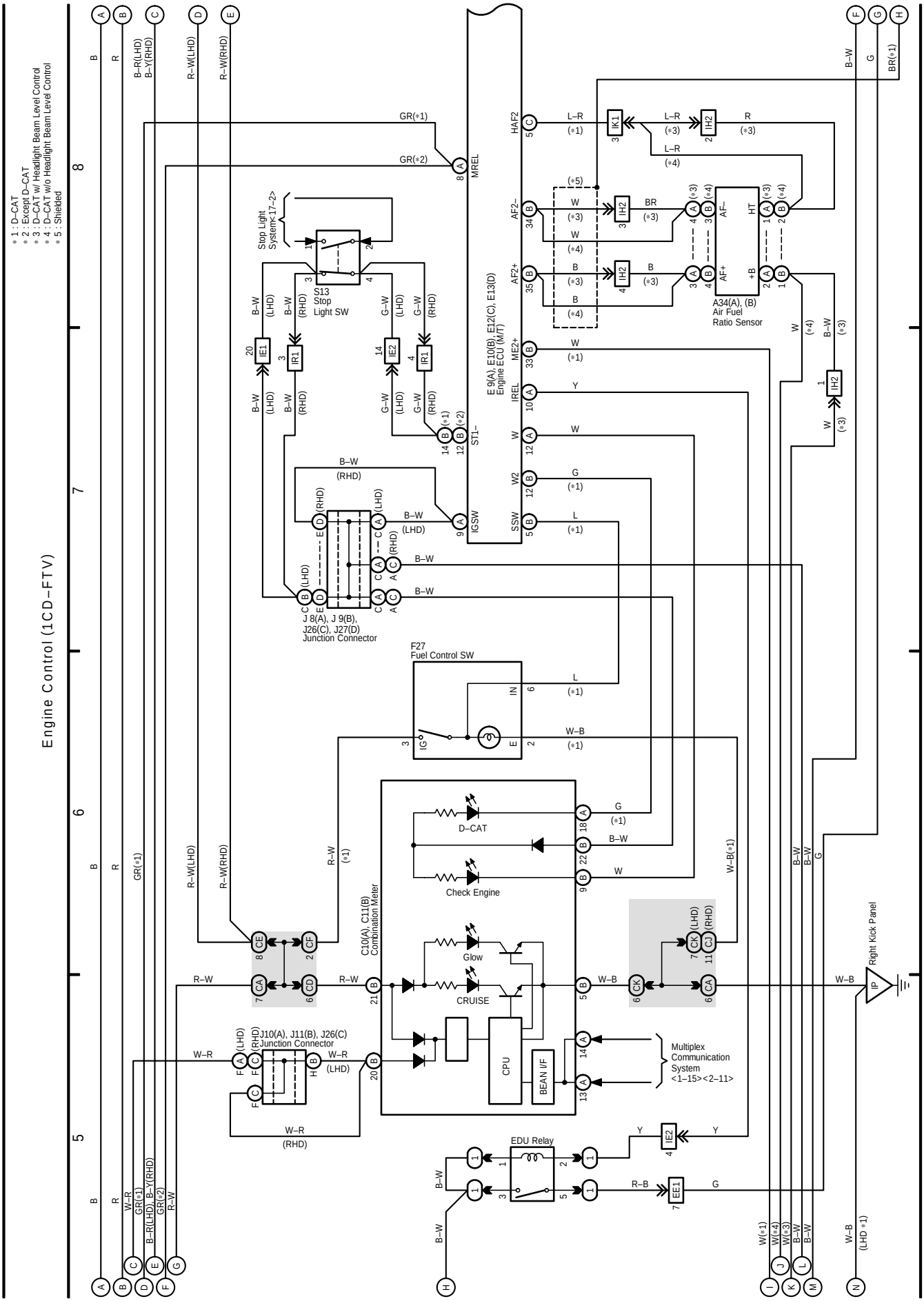
7 AVENSIS (Cont' d)

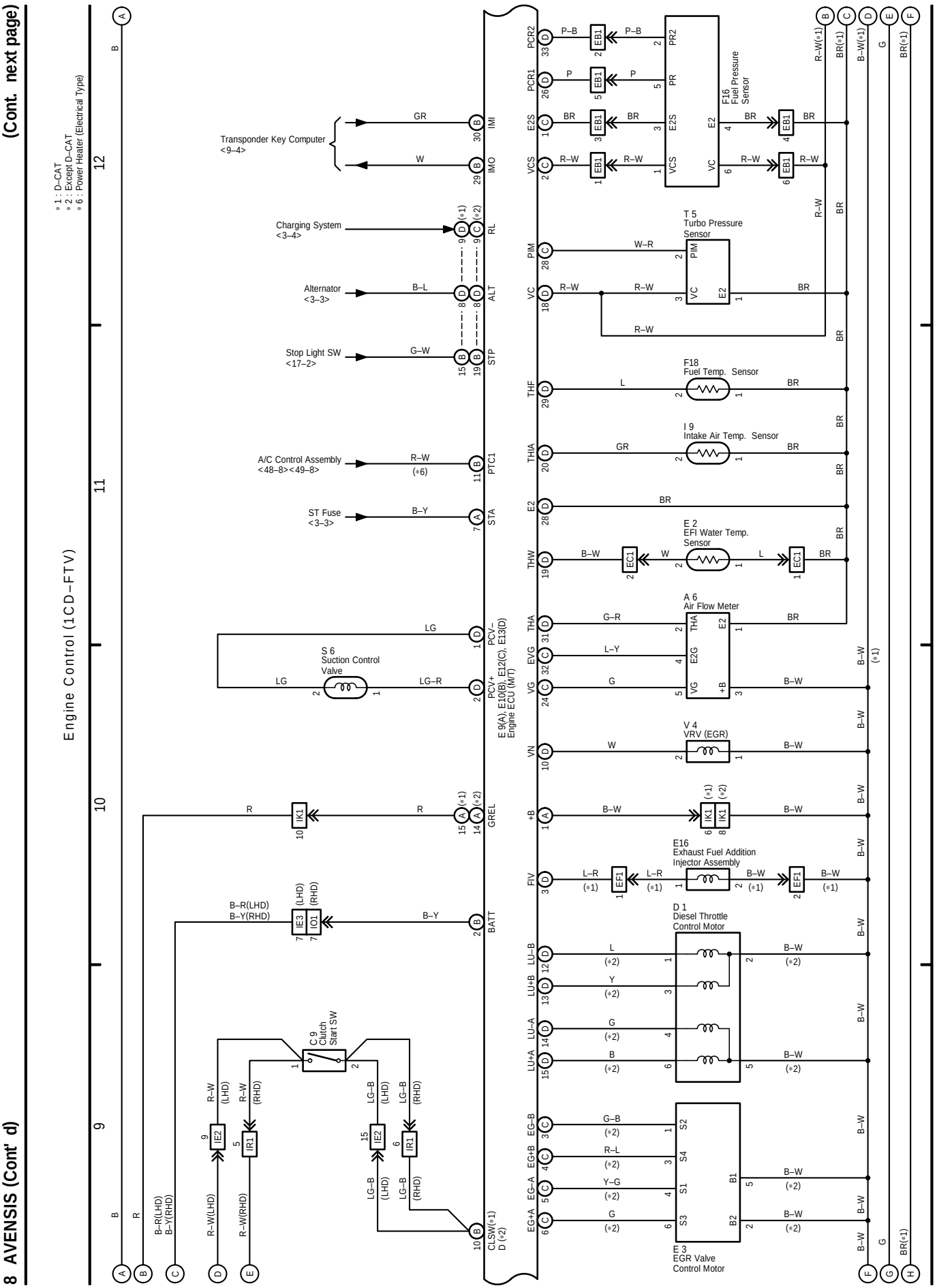



(Cont. next page)
Engine Control (1CD–FTV)
Glow Plug
Power Source
15A A/F
A35 Air Fuel Ratio Sensor Relay
J17 Junction Connector
J15 Junction Connector
Behind the Combination Meter
EFI MAIN Relay
G 2 Glow Plug Relay
G 1 Glow Plug
Engine Compartment Left
Near the Starter
Left Kick Panel
10A GAUGE1
7. 5A OBD2
IG1 Relay
10A IGN
25A AM1
I13 Ignition SW
30A AM2
20A EFI
7. 5A DOME
30A DCC
140A ALT
50A AM1 NO. 1
80A GLOW
Battery
FL MAIN 3. 0W
* 1 : D–CAT
* 2 : Except D–CAT
* 3 : D–CAT w/ Headlight Beam Level Control
* 4 : D–CAT w/o Headlight Beam Level Control

8 AVENSIS (Cont' d)

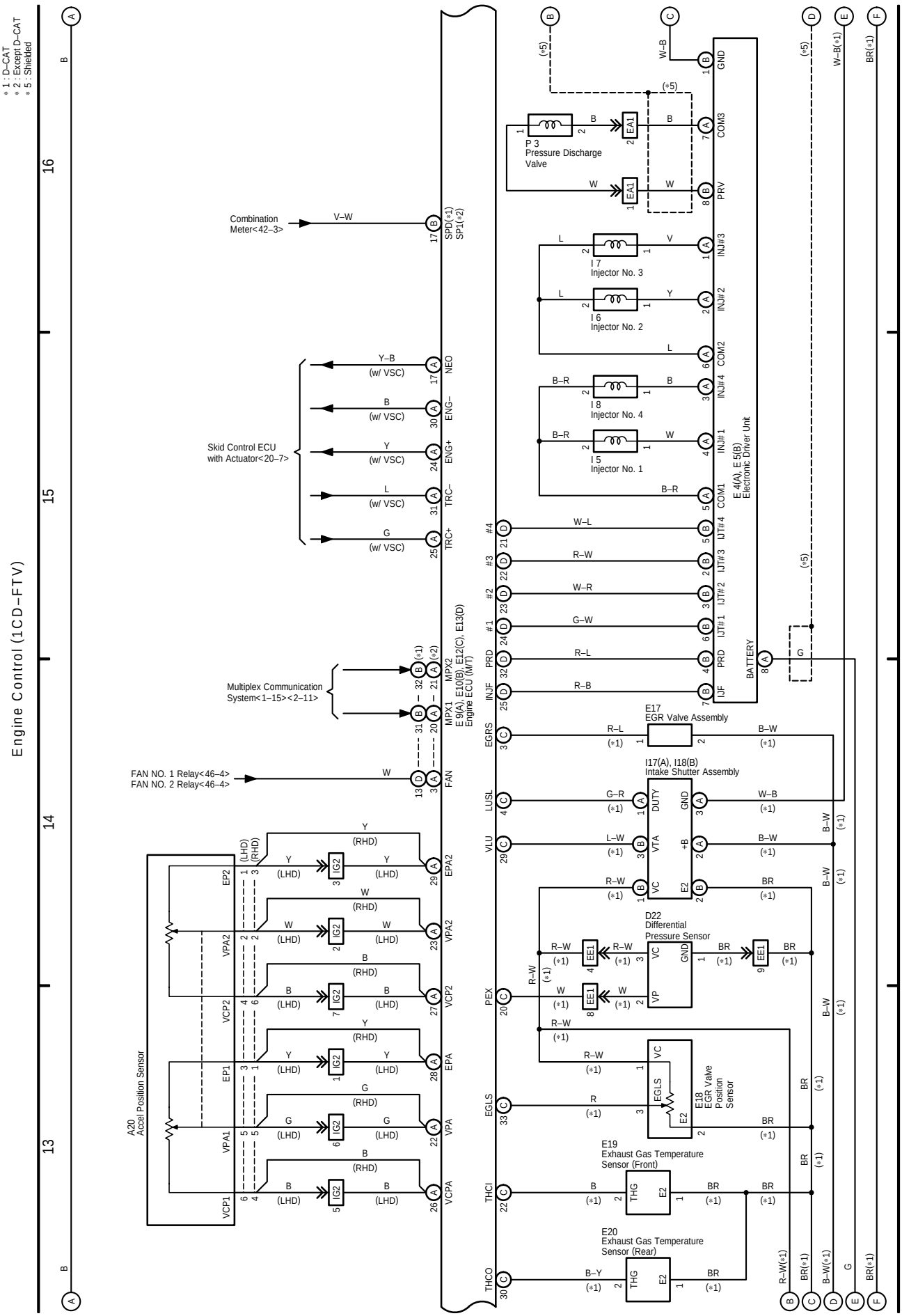
(Cont. next page)

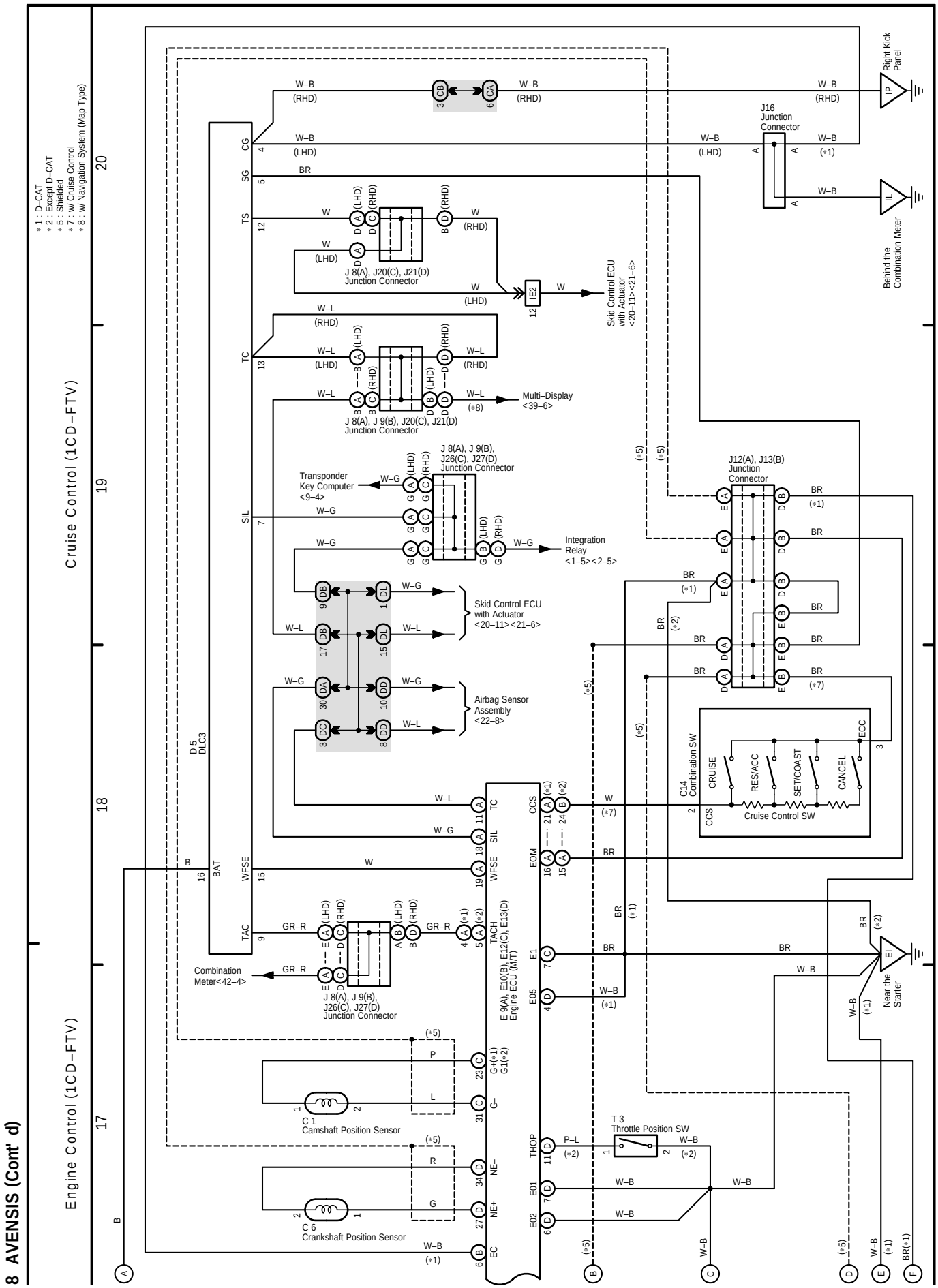


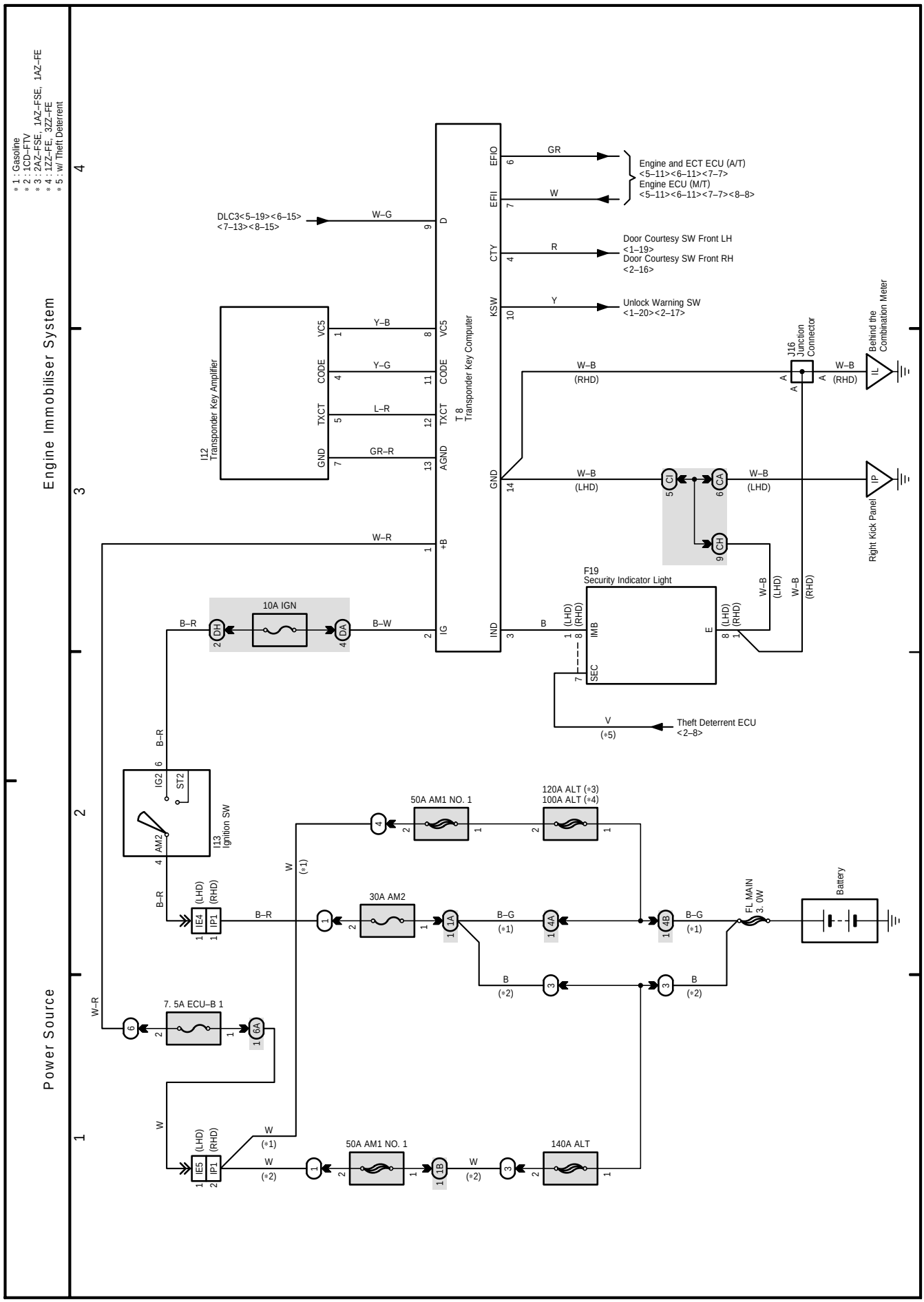

8 AVENSIS (Cont' d)
(Cont. next page)
Engine Control (1CD–FTV)
*1 : D–CAT
*2 : Except D–CAT
*6 : Power Heater (Electrical Type)
Transponder Key Computer <9–4>
Charging System <3–4>
Alternator <3–3>
Stop Light SW <17–2>
A/C Control Assembly <48–8><49–8>
ST Fuse <3–3>
S 6 Suction Control Valve
C 9 Clutch Start SW
F16 Fuel Pressure Sensor
T 5 Turbo Pressure Sensor
F18 Fuel Temp. Sensor
I 9 Intake Air Temp. Sensor
E 2 EFI Water Temp. Sensor
A 6 Air Flow Meter
V 4 VRV (EGR)
E16 Exhaust Fuel Addition Injector Assembly
D 1 Diesel Throttle Control Motor
E 3 EGR Valve Control Motor
E 9(A), E10(B), E12(C), E13(D) Engine ECU (M/T)

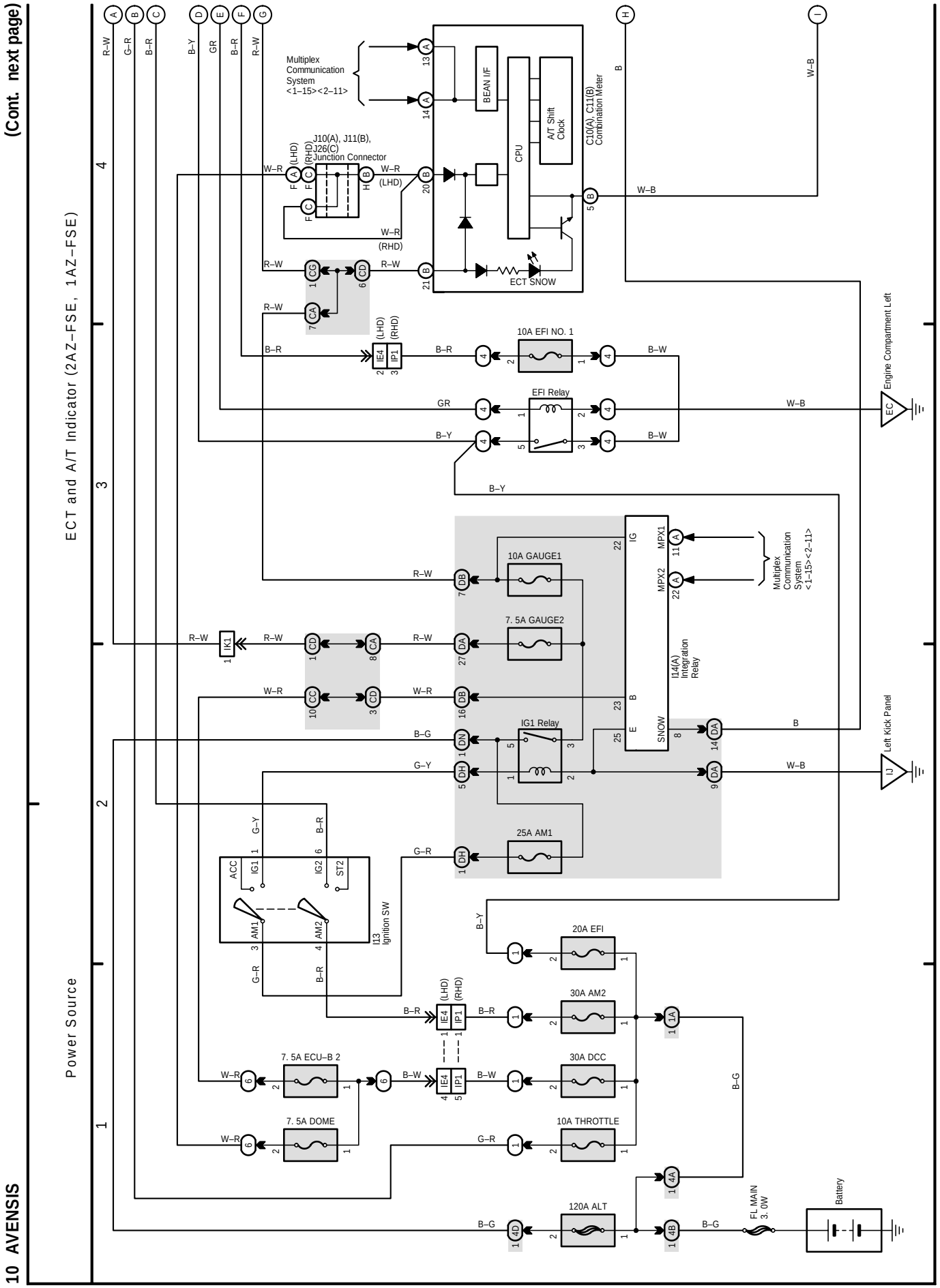
8 AVENSIS (Cont' d)

(Cont. next page)



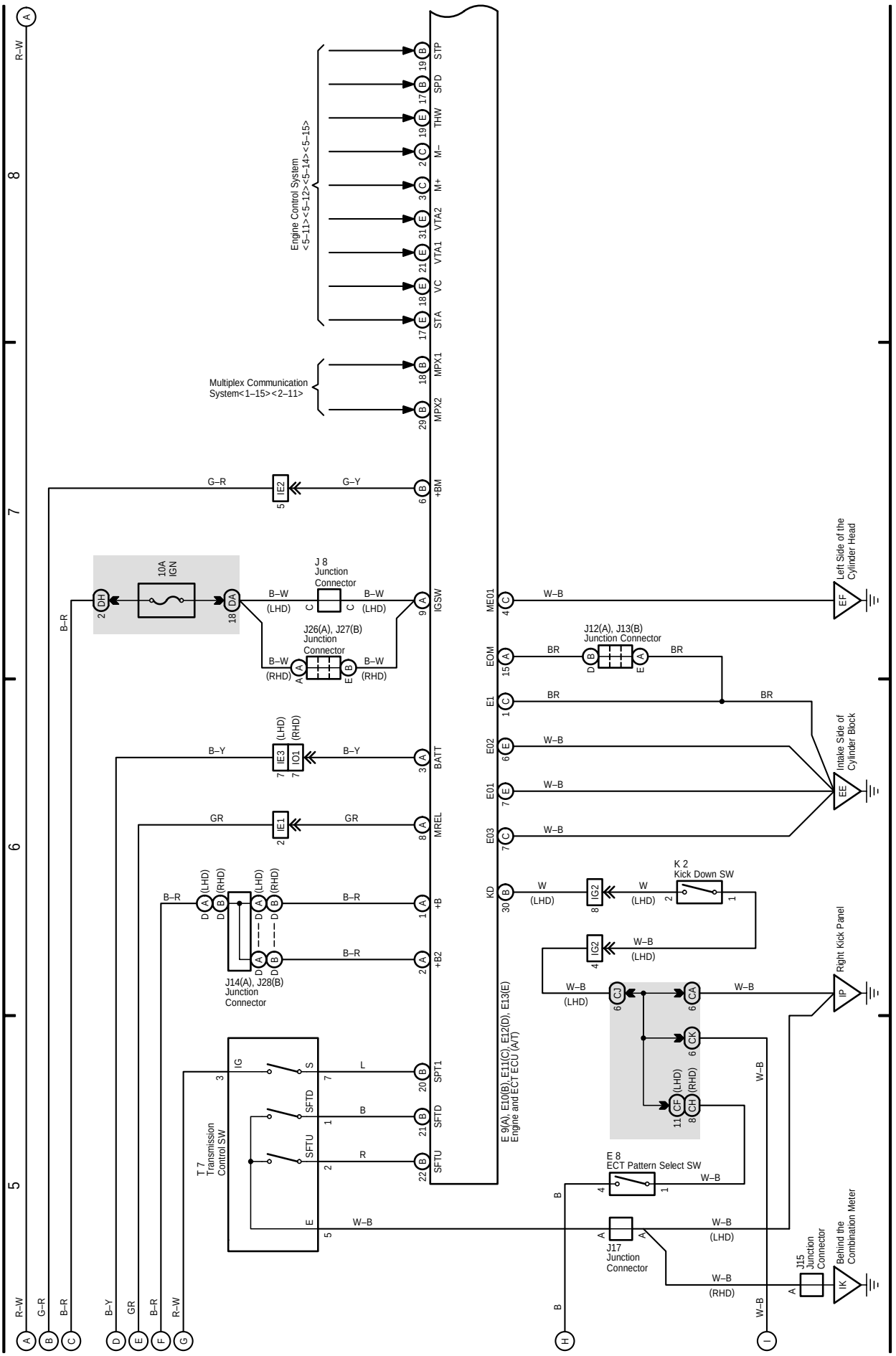

8 AVENSIS (Cont' d)
Engine Control (1CD–FTV)
Cruise Control (1CD–FTV)
17
18
19
20
* 1 : D–CAT
* 2 : Except D–CAT
* 5 : Shielded
* 7 : w/ Cruise Control
* 8 : w/ Navigation System (Map Type)
Right Kick Panel
Behind the Combination Meter
J16 Junction Connector
Skid Control ECU with Actuator <20–11><21–6>
Multi–Display <39–6>
J 8(A), J20(C), J21(D) Junction Connector
J 8(A), J 9(B), J20(C), J21(D) Junction Connector
J 8(A), J 9(B), J26(C), J27(D) Junction Connector
Transponder Key Computer <9–4>
Integration Relay <1–5><2–5>
Skid Control ECU with Actuator <20–11><21–6>
Airbag Sensor Assembly <22–8>
J12(A), J13(B) Junction Connector
C14 Combination SW
CRUISE
RES/ACC
SET/COAST
CANCEL
CCS
ECC
Cruise Control SW
D 5 DLC3
Combination Meter<42–4>
E 9(A), E10(B), E12(C), E13(D) Engine ECU (M/T)
C 1 Camshaft Position Sensor
C 6 Crankshaft Position Sensor
T 3 Throttle Position SW
Near the Starter

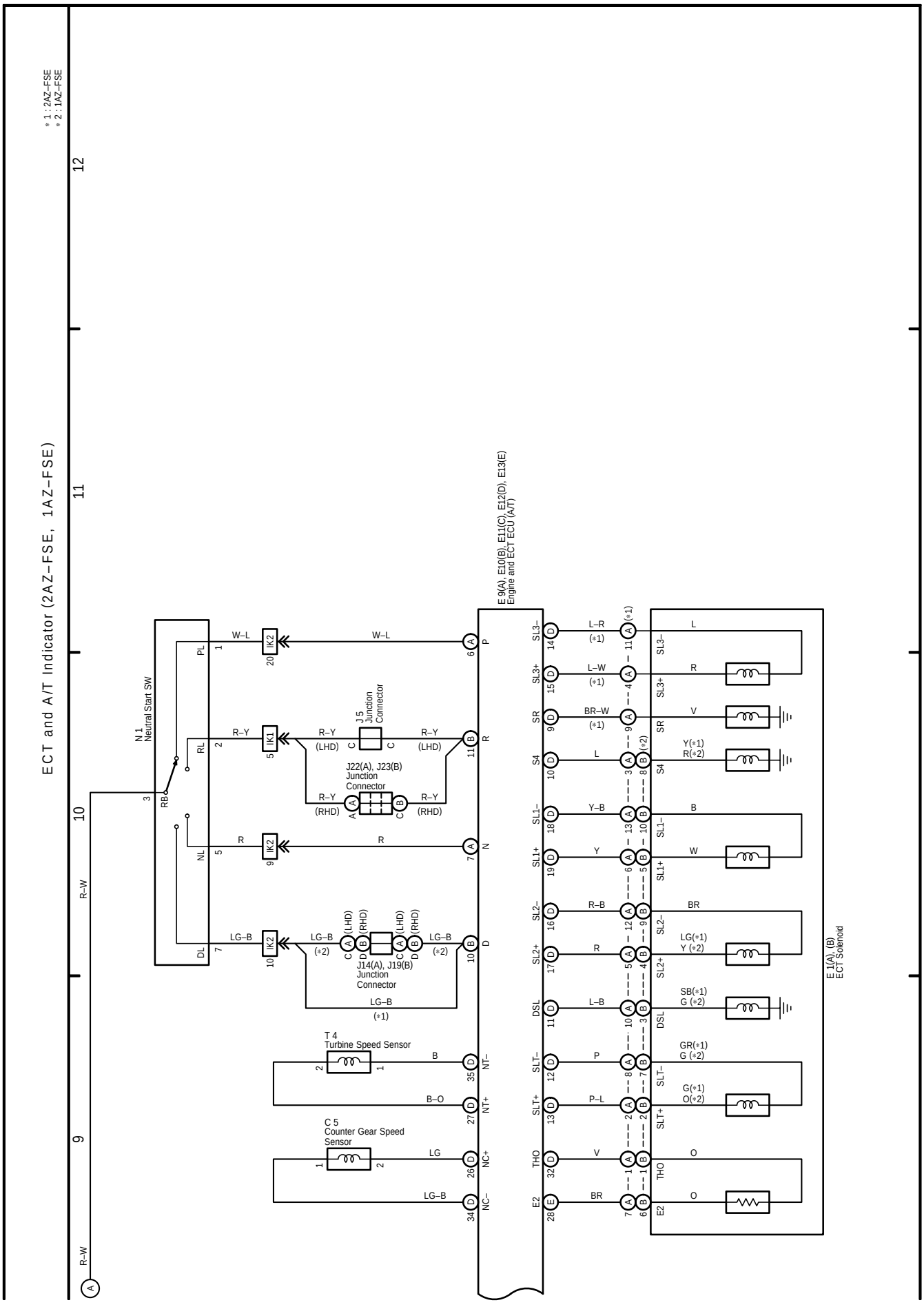

* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : w/ Theft Deterrent
Engine Immobiliser System
Power Source
DLC3<5–19><6–15><7–13><8–15>
W–G
Engine and ECT ECU (A/T)
<5–11><6–11><7–7>
Engine ECU (M/T)
<5–11><6–11><7–7><8–8>
Door Courtesy SW Front LH
<1–19>
Door Courtesy SW Front RH
<2–16>
Unlock Warning SW
<1–20><2–17>
I12
Transponder Key Amplifier
T 8
Transponder Key Computer
J16
Junction Connector
Behind the Combination Meter
Right Kick Panel
F19
Security Indicator Light
Theft Deterrent ECU
<2–8>
10A IGN
I13
Ignition SW
50A AM1 NO. 1
120A ALT (*3)
100A ALT (*4)
30A AM2
7. 5A ECU–B 1
140A ALT
FL MAIN
3. 0W
Battery

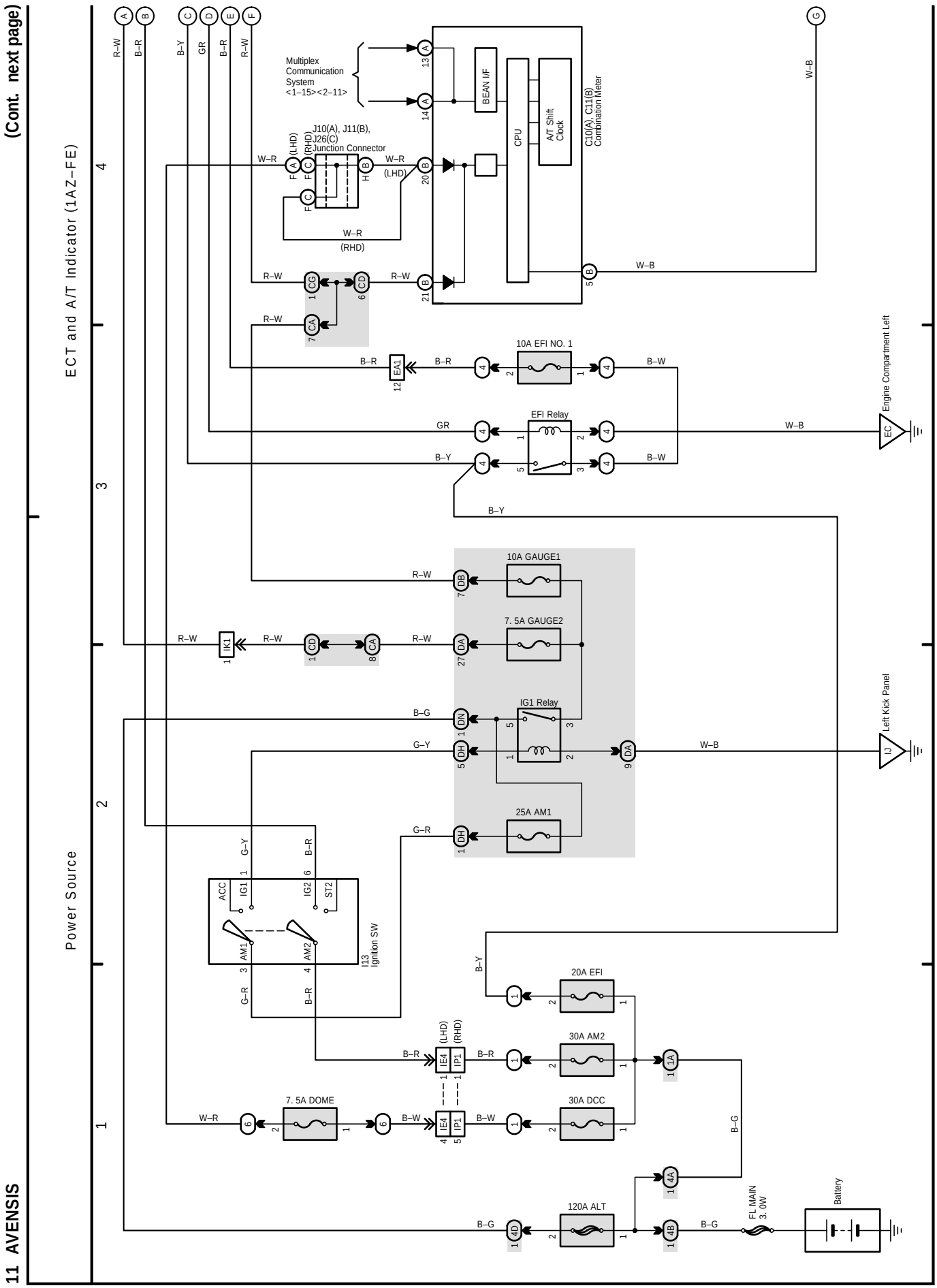

(Cont. next page)
ECT and A/T Indicator (2AZ–FSE, 1AZ–FSE)
Power Source
10 AVENSIS
Multiplex Communication System <1–15><2–11>
BEAN I/F
CPU
A/T Shift Clock
C10(A), C11(B) Combination Meter
J10(A), J11(B), J26(C) Junction Connector
ECT SNOW
10A EFI NO. 1
EFI Relay
Engine Compartment Left
10A GAUGE1
7. 5A GAUGE2
I14(A) Integration Relay
IG1 Relay
25A AM1
Left Kick Panel
I13 Ignition SW
20A EFI
30A AM2
30A DCC
7. 5A ECU–B 2
7. 5A DOME
10A THROTTLE
120A ALT
FL MAIN 3. 0W
Battery

10 AVENSIS (Cont' d)

(Cont. next page)

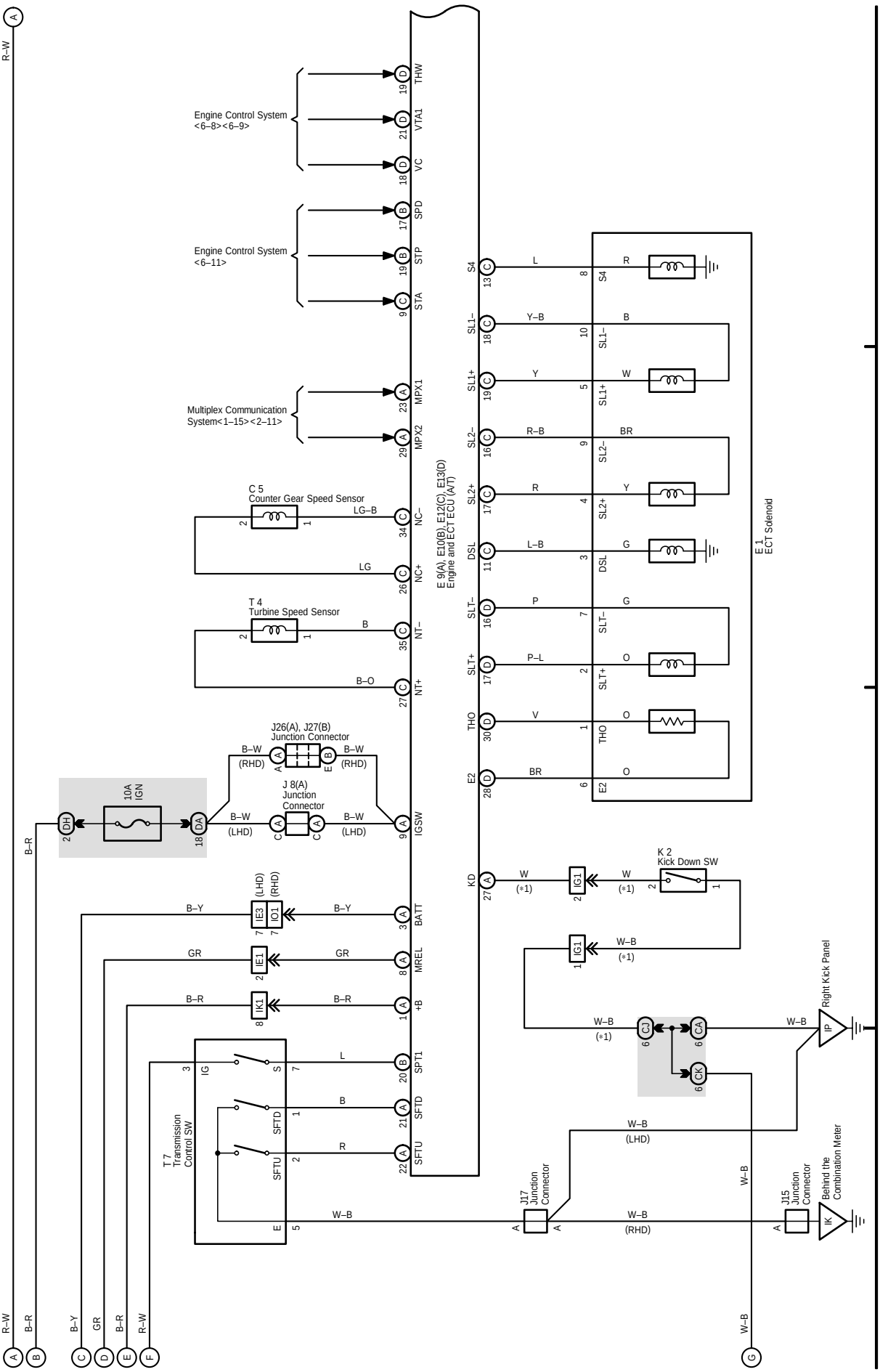


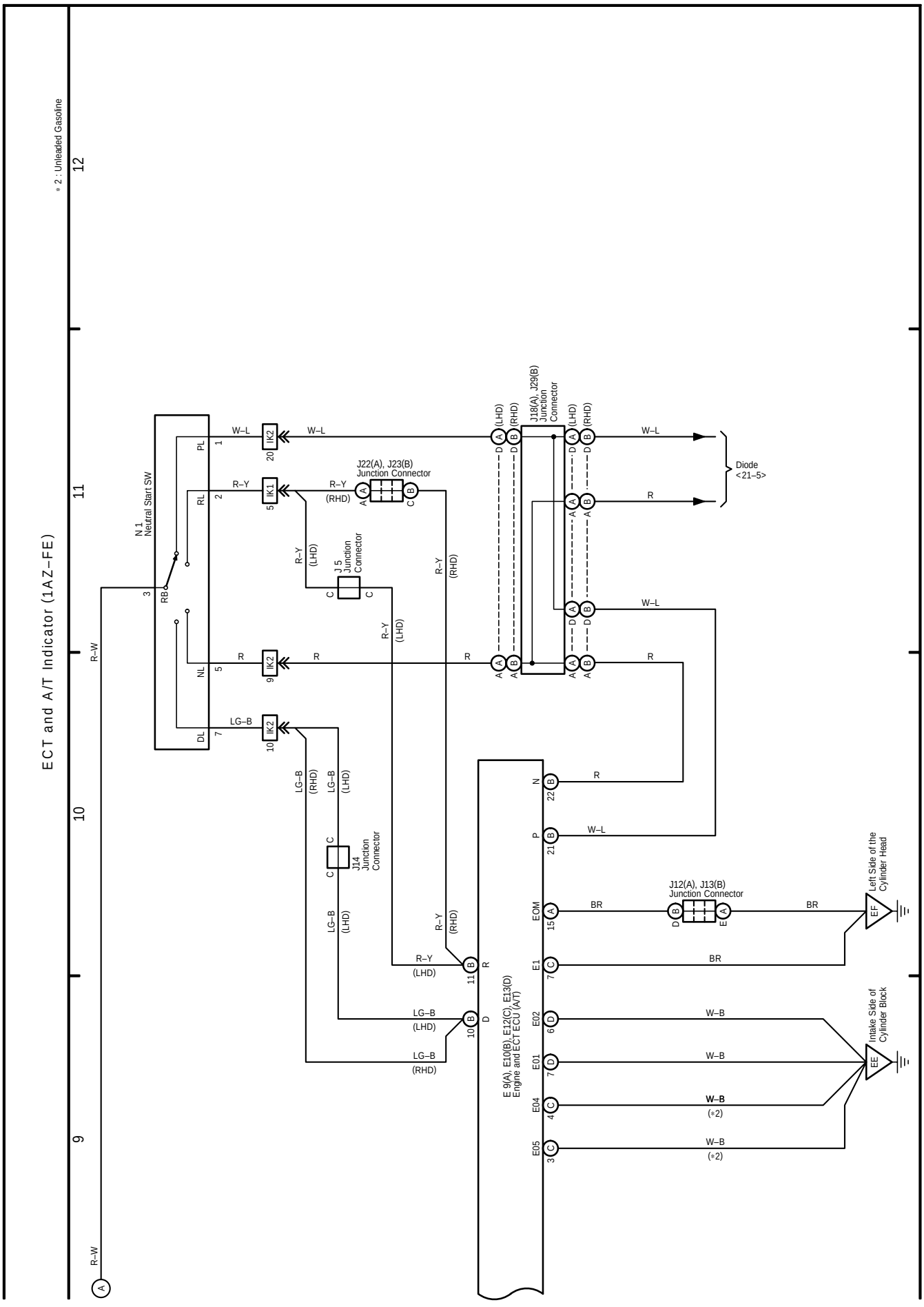

10 AVENSIS (Cont' d)
ECT and A/T Indicator (2AZ–FSE, 1AZ–FSE)
*1 : 2AZ–FSE
*2 : 1AZ–FSE
N 1
Neutral Start SW
IK2
IK1
J5
Junction Connector
J22(A), J23(B)
Junction Connector
J14(A), J19(B)
Junction Connector
T 4
Turbine Speed Sensor
C 5
Counter Gear Speed Sensor
E 9(A), E10(B), E11(C), E12(D), E13(E)
Engine and ECT ECU (A/T)
E 1(A), (B)
ECT Solenoid
W–L
R–Y
R
LG–B
B
B–O
LG
L–R
L–W
BR–W
Y–B
R–B
L–B
P
P–L
V
BR
GR(*1)
G (*2)
G(*1)
O(*2)
Y(*1)
R(*2)
LG(*1)
Y (*2)
SB(*1)
G (*2)
SL3–
SL3+
SR
S4
SL1–
SL1+
SL2–
SL2+
DSL
SLT–
SLT+
THO
E2
NT–
NT+
NC+
NC–

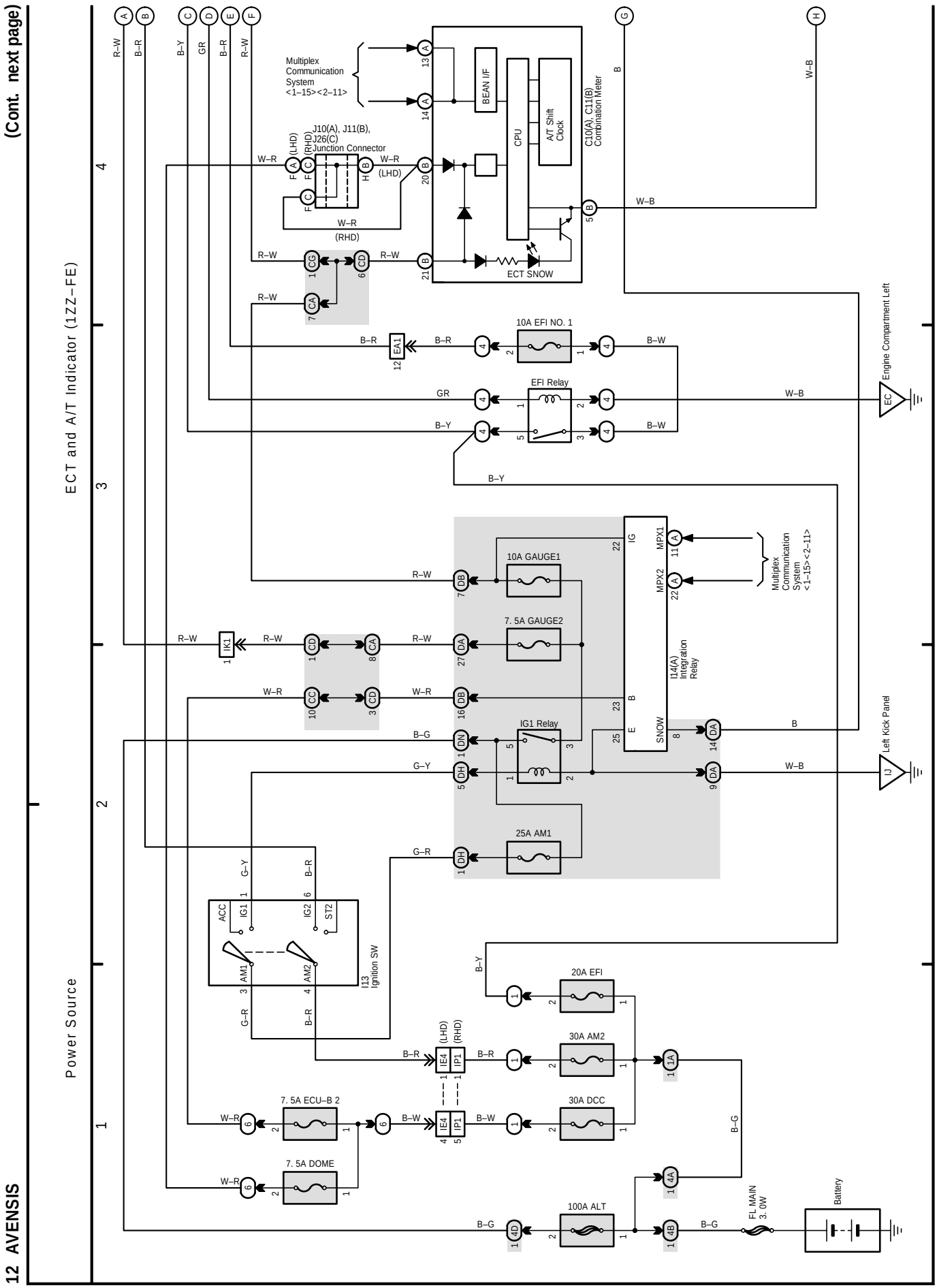

(Cont. next page)
ECT and A/T Indicator (1AZ–FE)
Power Source
11 AVENSIS
Multiplex Communication System <1–15><2–11>
BEAN I/F
CPU
A/T Shift Clock
C10(A), C11(B) Combination Meter
J10(A), J11(B), J26(C) Junction Connector
(LHD)
(RHD)
W–R
W–B
R–W
B–R
B–Y
GR
G–Y
B–G
G–R
10A EFI NO. 1
EFI Relay
Engine Compartment Left
EC
10A GAUGE1
7. 5A GAUGE2
IG1 Relay
Left Kick Panel
IJ
25A AM1
I13 Ignition SW
ACC
IG1
IG2
ST2
AM1
AM2
20A EFI
30A AM2
7. 5A DOME
30A DCC
120A ALT
FL MAIN 3. 0W
Battery

11 AVENSIS (Cont' d)

(Cont. next page)

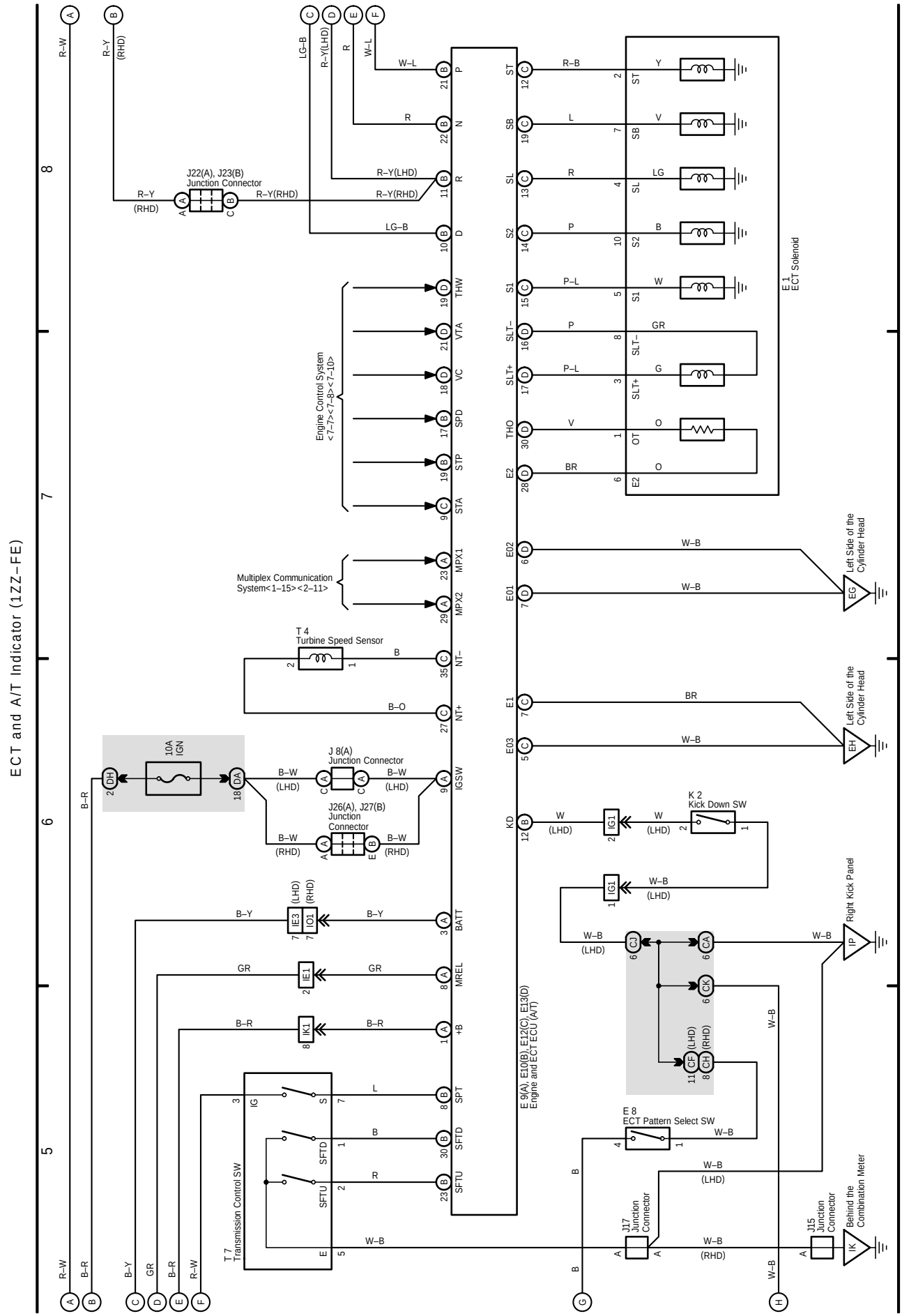



11 AVENSIS (Cont' d)
ECT and A/T Indicator (1AZ–FE)
* 2 : Unleaded Gasoline
12
11
10
9
N 1
Neutral Start SW
IK2
IK1
W–L
R–Y
R
LG–B
R–W
J22(A), J23(B)
Junction Connector
J 5
Junction Connector
J14
Junction Connector
J18(A), J29(B)
Junction Connector
(LHD)
(RHD)
Diode
<21–5>
J12(A), J13(B)
Junction Connector
Left Side of the
Cylinder Head
Intake Side of
Cylinder Block
E 9(A), E10(B), E12(C), E13(D)
Engine and ECT ECU (A/T)
BR
W–B
(*2)

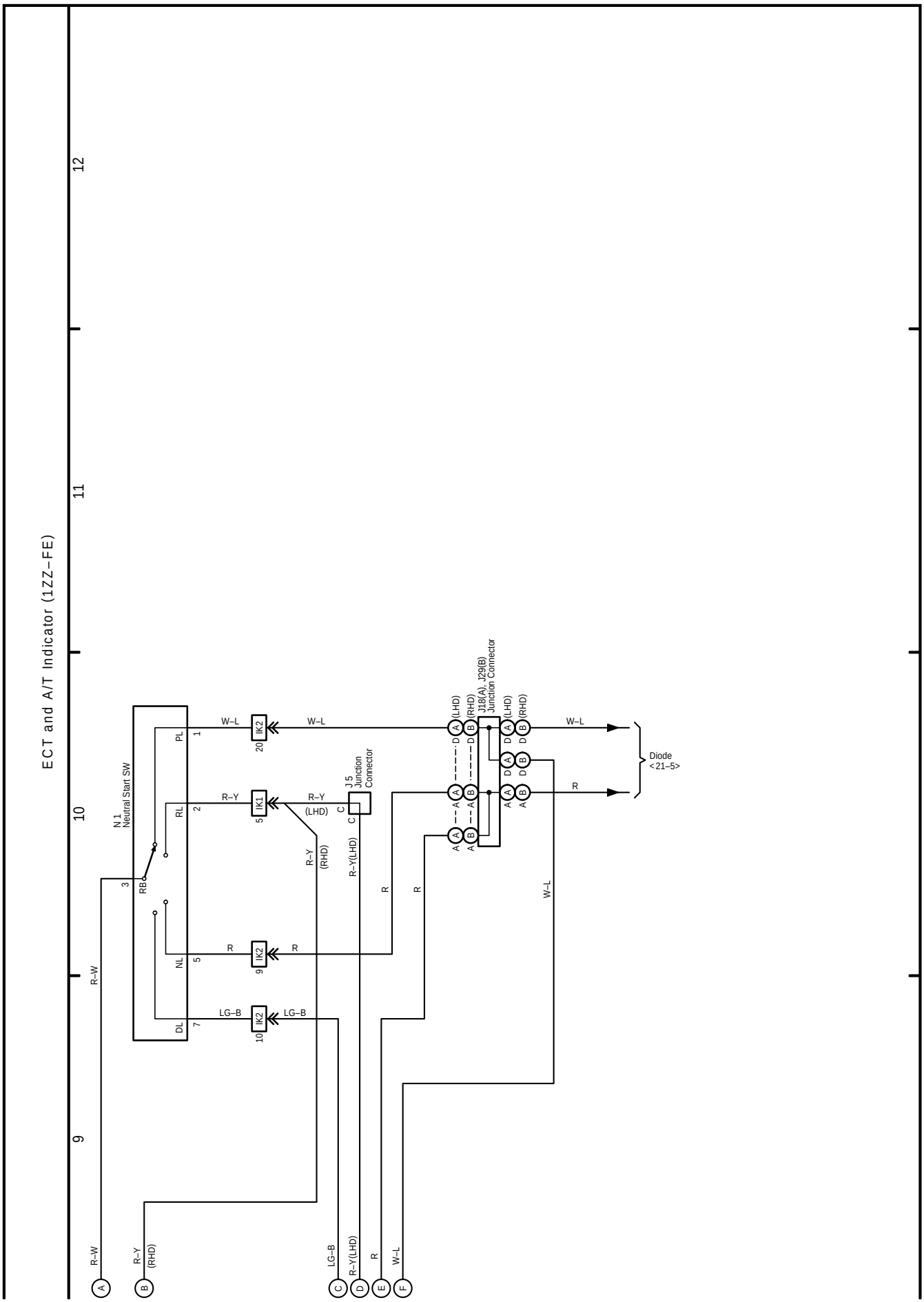

(Cont. next page)
ECT and A/T Indicator (1ZZ–FE)
Power Source
12 AVENSIS
Multiplex Communication System <1–15><2–11>
BEAN I/F
CPU
A/T Shift Clock
C10(A), C11(B) Combination Meter
J10(A), J11(B), J26(C) Junction Connector
ECT SNOW
10A EFI NO. 1
EFI Relay
Engine Compartment Left
10A GAUGE1
7. 5A GAUGE2
I14(A) Integration Relay
IG1 Relay
Left Kick Panel
25A AM1
I13 Ignition SW
20A EFI
30A AM2
30A DCC
7. 5A ECU–B 2
7. 5A DOME
100A ALT
FL MAIN 3. 0W
Battery

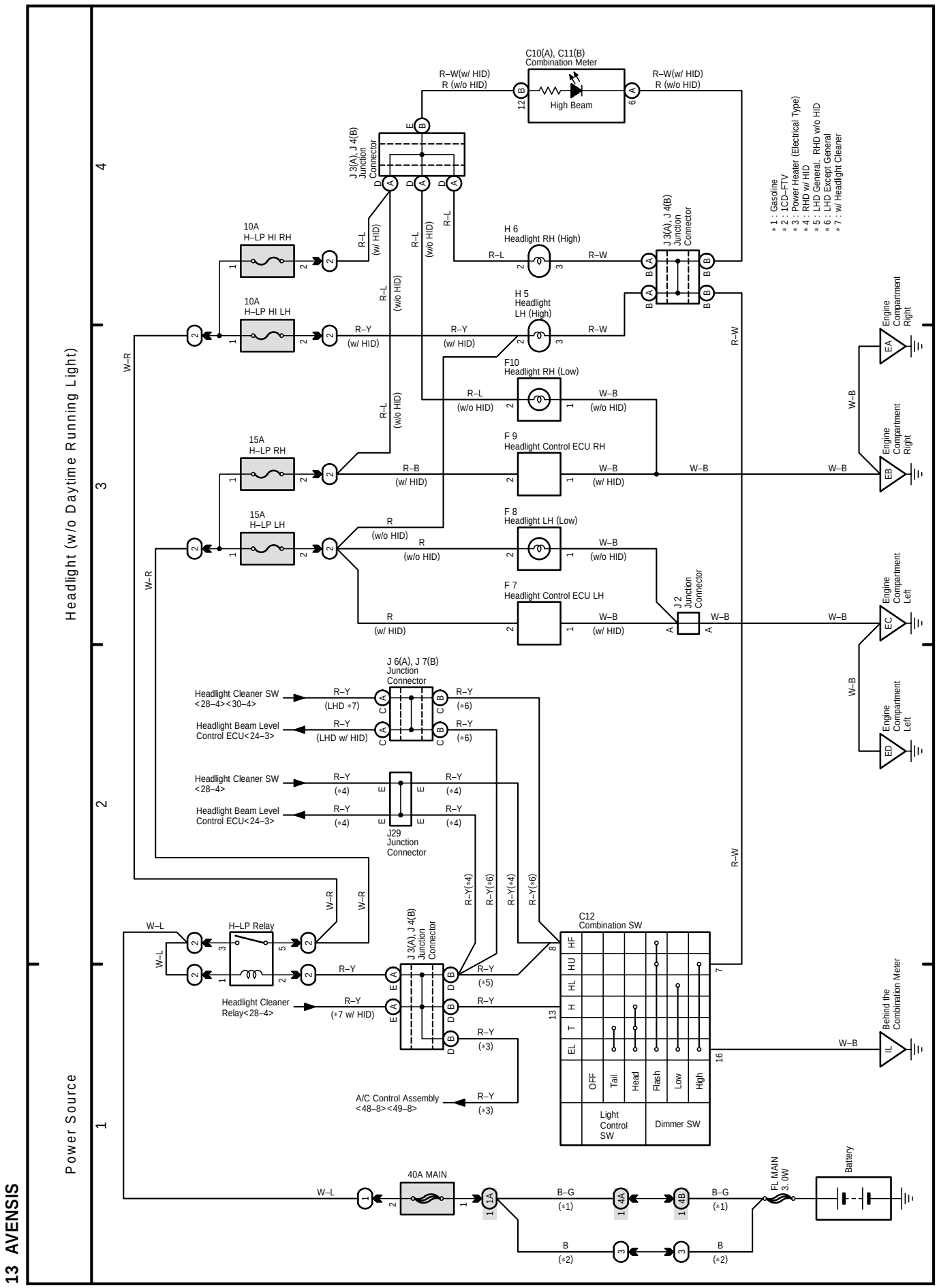
12 AVENSIS (Cont' d)

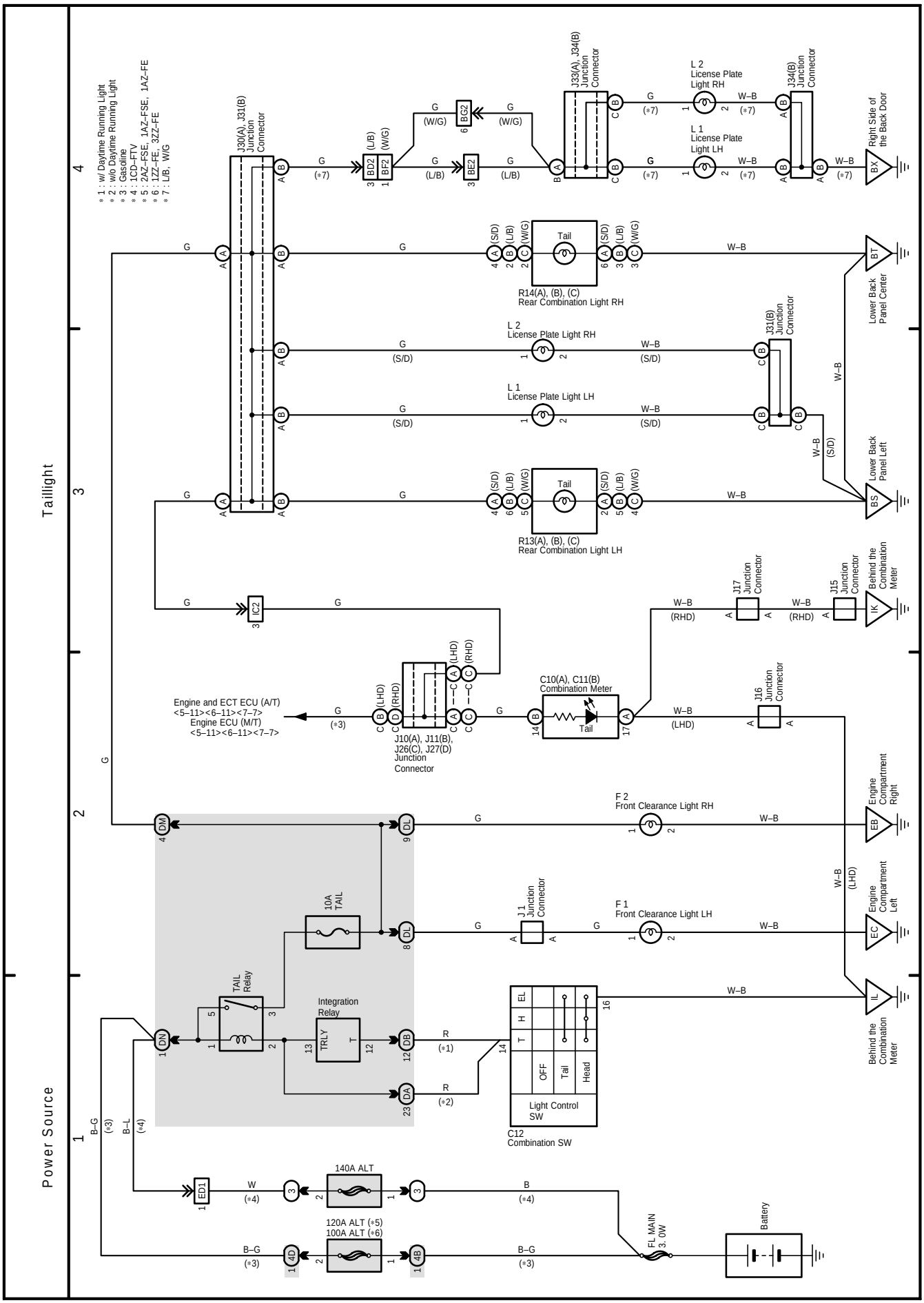
(Cont. next page)

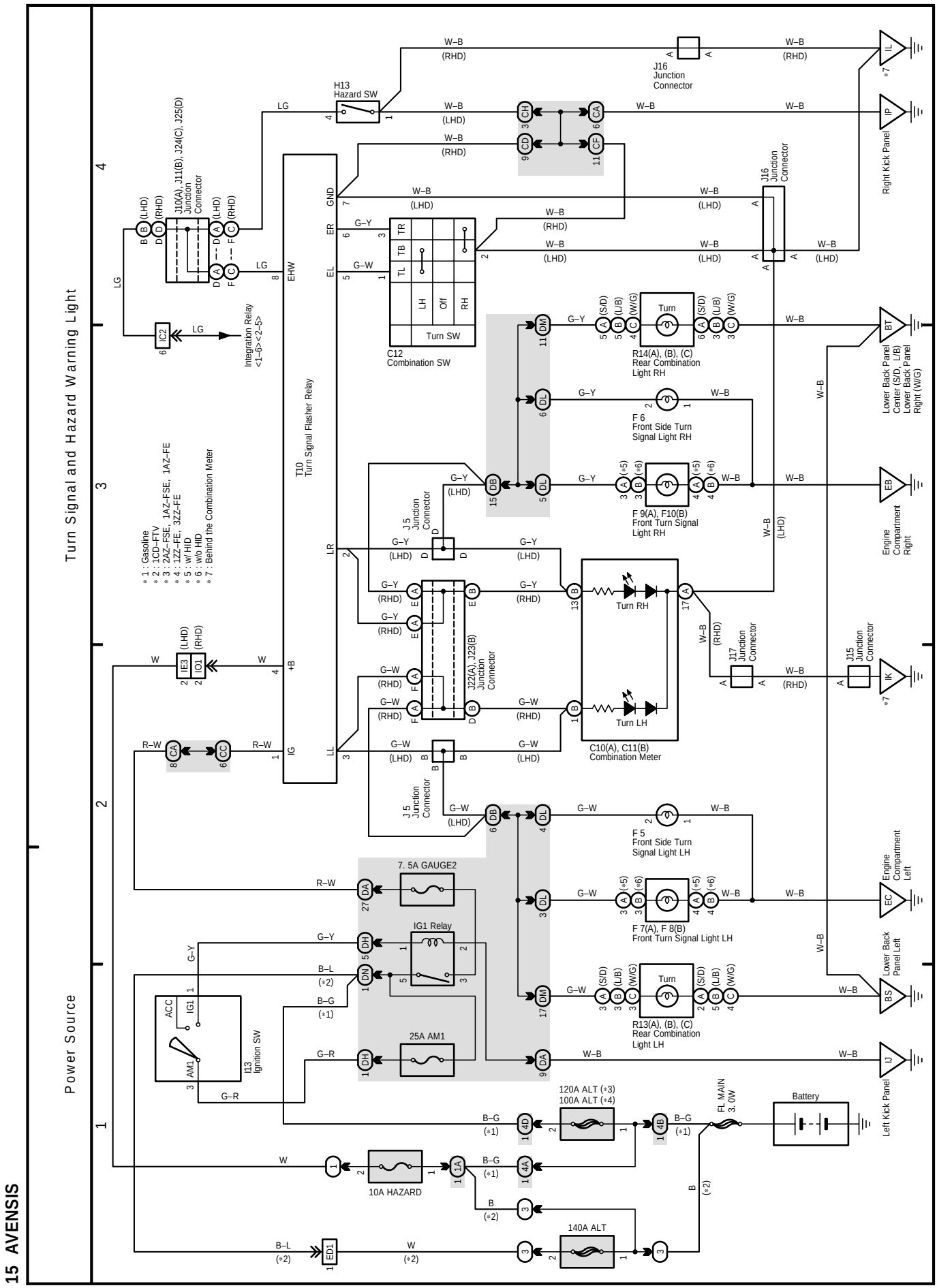


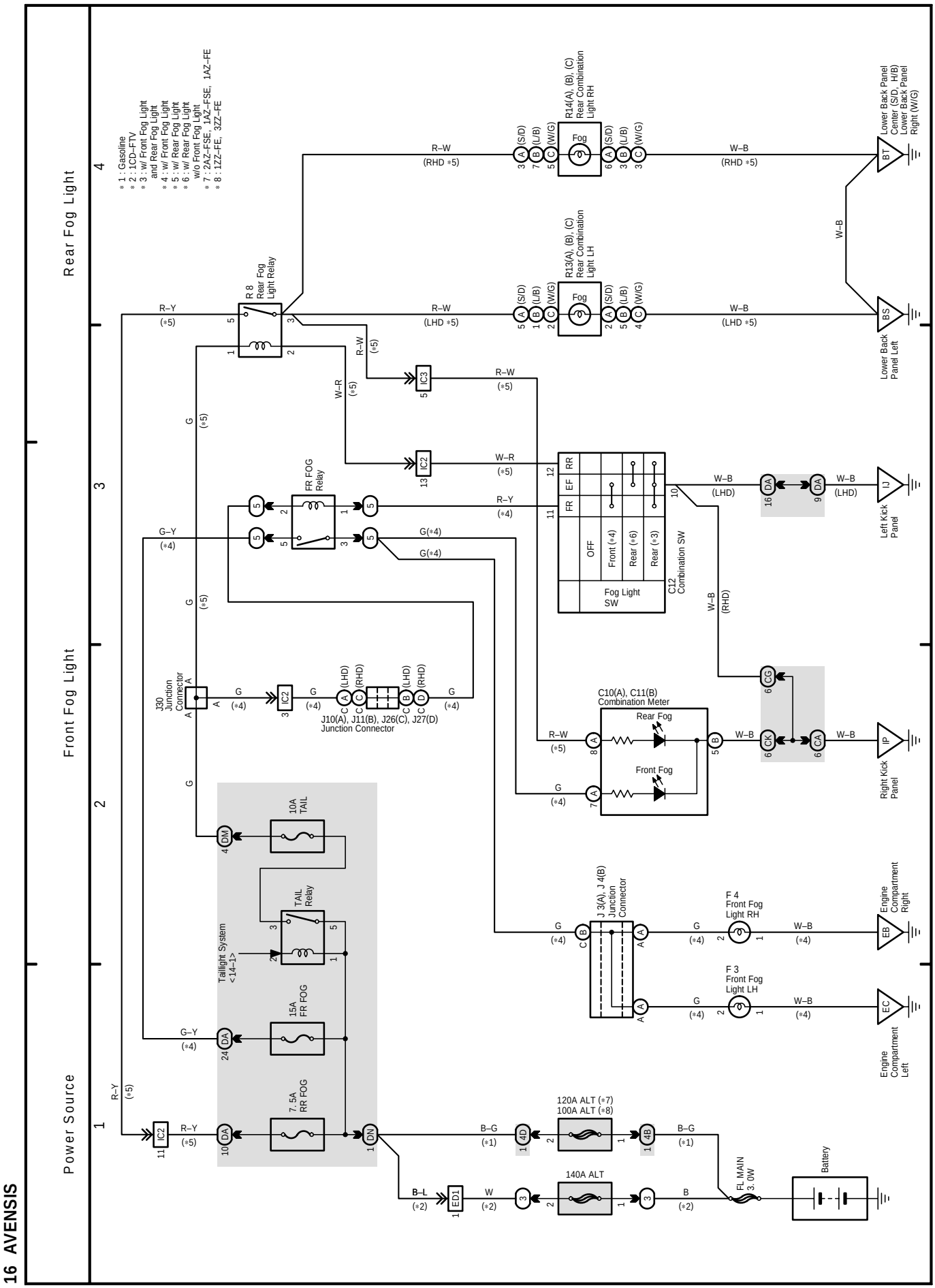
12 AVENSIS (Cont' d)

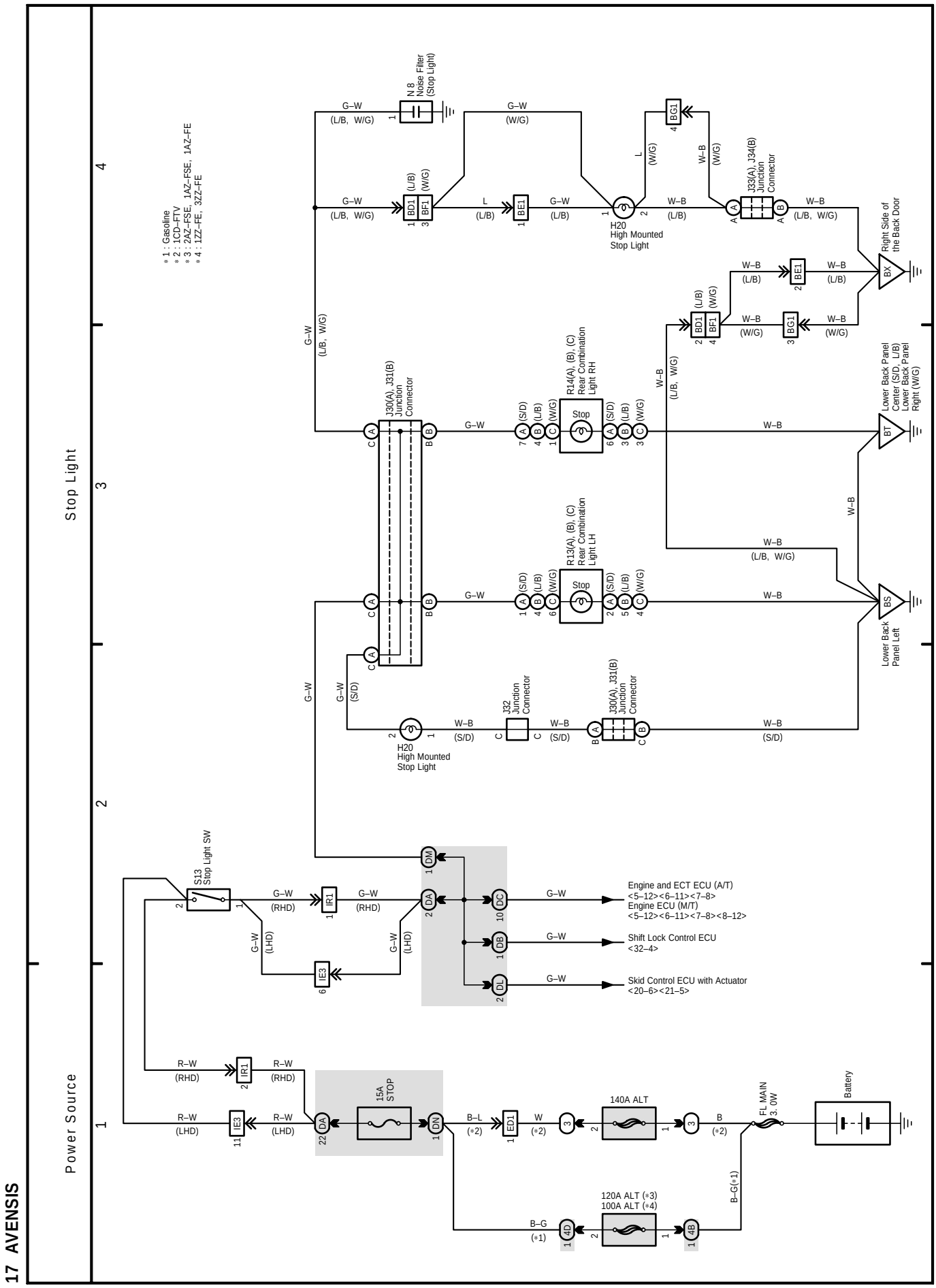


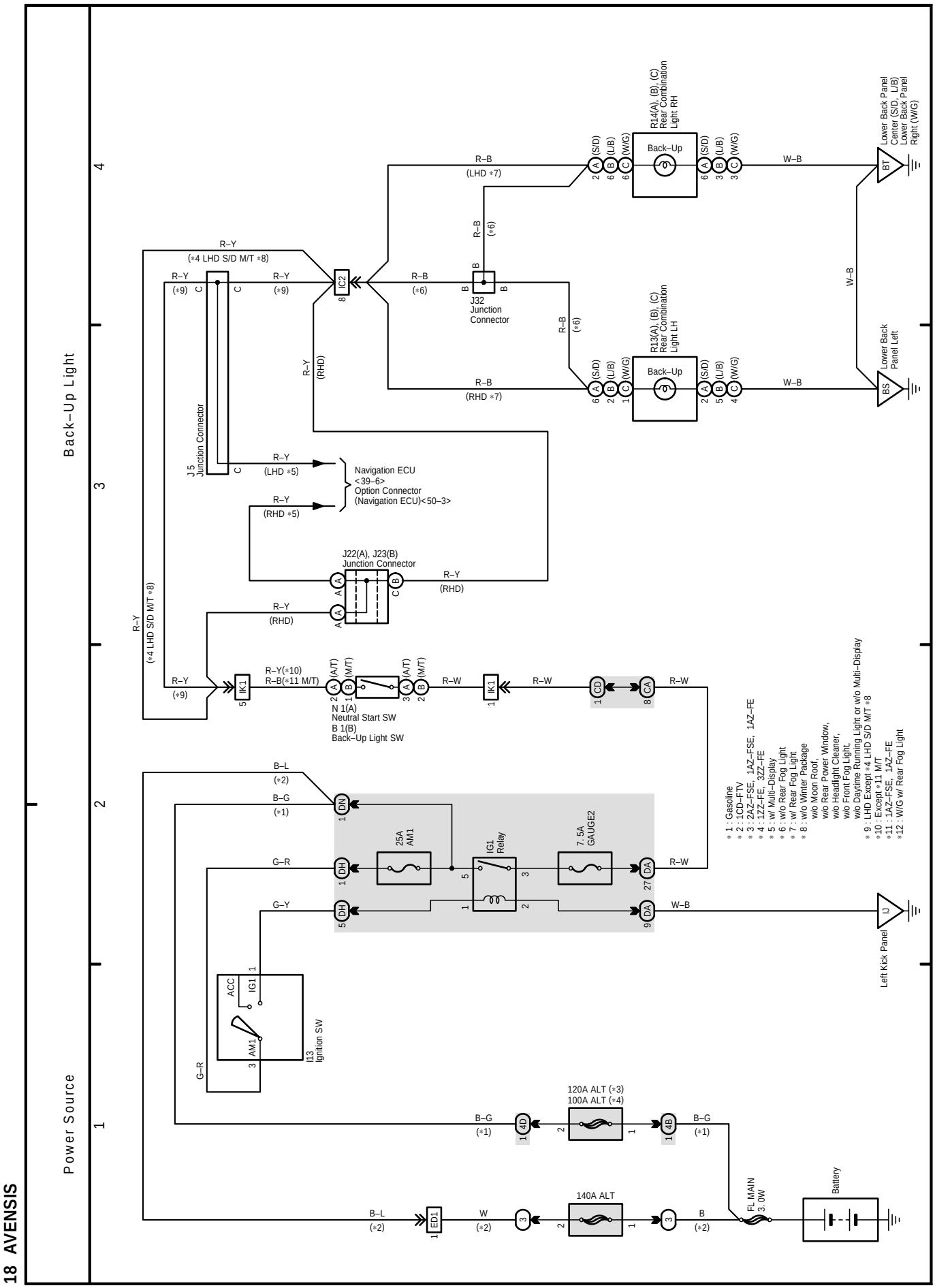

13 AVENSIS
Power Source
Headlight (w/o Daytime Running Light)
1
2
3
4
C10(A), C11(B)
Combination Meter
High Beam
R–W(w/ HID)
R (w/o HID)
J 3(A), J 4(B)
Junction
Connector
10A
H–LP HI RH
10A
H–LP HI LH
15A
H–LP RH
15A
H–LP LH
H 6
Headlight RH (High)
H 5
Headlight
LH (High)
F10
Headlight RH (Low)
F 9
Headlight Control ECU RH
F 8
Headlight LH (Low)
F 7
Headlight Control ECU LH
J 2
Junction
Connector
Engine
Compartment
Right
Engine
Compartment
Left
J 6(A), J 7(B)
Junction
Connector
Headlight Cleaner SW
<28–4><30–4>
Headlight Beam Level
Control ECU<24–3>
Headlight Cleaner SW
<28–4>
J29
Junction
Connector
H–LP Relay
Headlight Cleaner
Relay<28–4>
C12
Combination SW
OFF
Tail
Head
Flash
Low
High
Light
Control
SW
Dimmer SW
Behind the
Combination Meter
A/C Control Assembly
<48–8><49–8>
40A MAIN
FL MAIN
3. 0W
Battery
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : Power Heater (Electrical Type)
* 4 : RHD w/ HID
* 5 : LHD General, RHD w/o HID
* 6 : LHD Except General
* 7 : w/ Headlight Cleaner

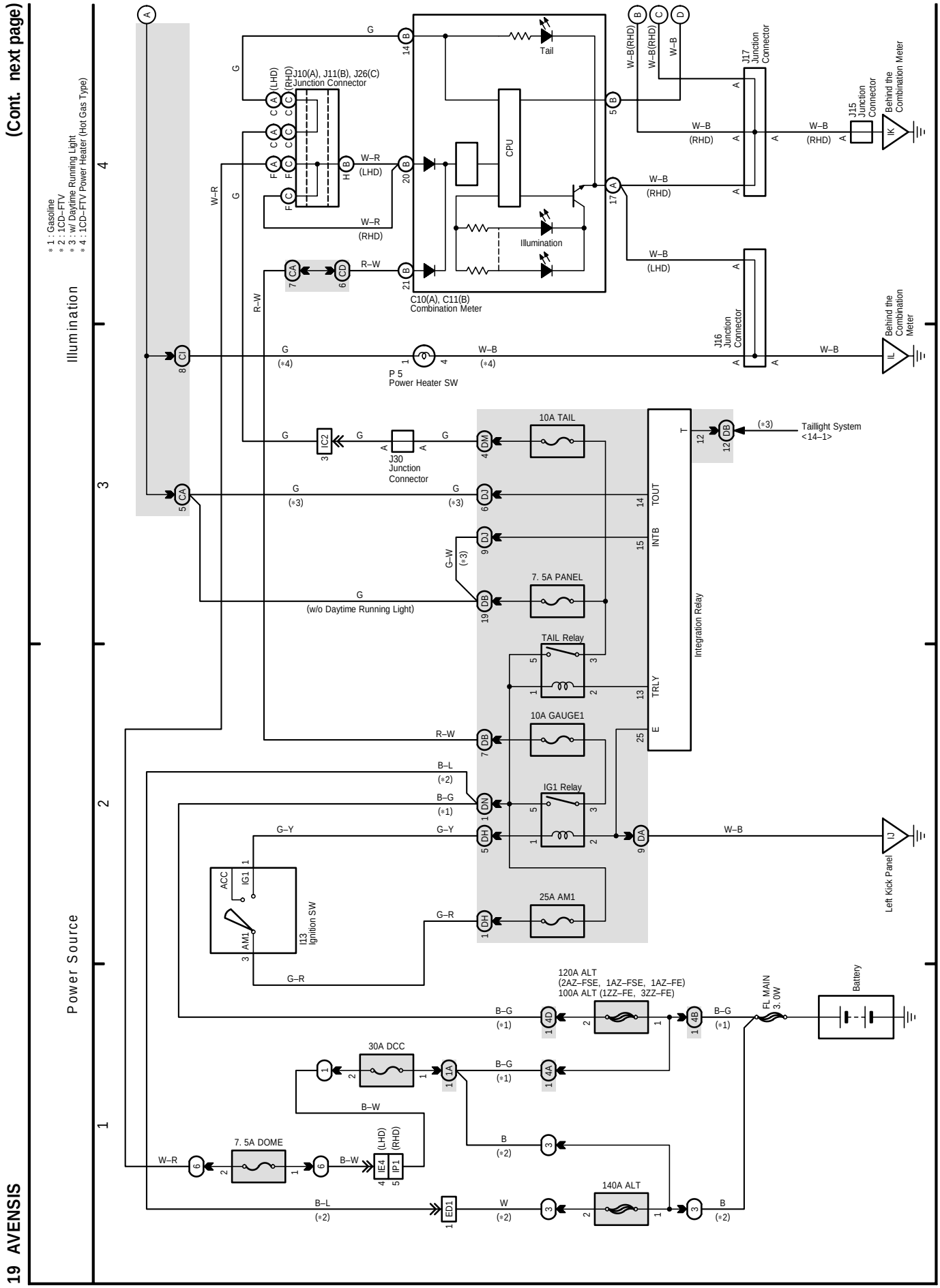

14 AVENSIS
Taillight
Power Source
* 1 : w/ Daytime Running Light
* 2 : w/o Daytime Running Light
* 3 : Gasoline
* 4 : 1CD–FTV
* 5 : 2AZ–FSE, 1AZ–FE
* 6 : 1ZZ–FE, 3ZZ–FE
* 7 : L/B, W/G
J30(A), J31(B) Junction Connector
J33(A), J34(B) Junction Connector
J34(B) Junction Connector
L 2 License Plate Light RH
L 1 License Plate Light LH
Right Side of the Back Door
Tail
R14(A), (B), (C) Rear Combination Light RH
R13(A), (B), (C) Rear Combination Light LH
Lower Back Panel Center
Lower Back Panel Left
J31(B) Junction Connector
J17 Junction Connector
J15 Junction Connector
Behind the Combination Meter
IC2
Engine and ECT ECU (A/T) <5–11><6–11><7–7> Engine ECU (M/T) <5–11><6–11><7–7>
J10(A), J11(B), J26(C), J27(D) Junction Connector
C10(A), C11(B) Combination Meter
J16 Junction Connector
F 2 Front Clearance Light RH
F 1 Front Clearance Light LH
Engine Compartment Right
Engine Compartment Left
J1 Junction Connector
10A TAIL
TAIL Relay
Integration Relay
Light Control SW
C12 Combination SW
140A ALT
120A ALT (*5) 100A ALT (*6)
FL MAIN 3. 0W
Battery

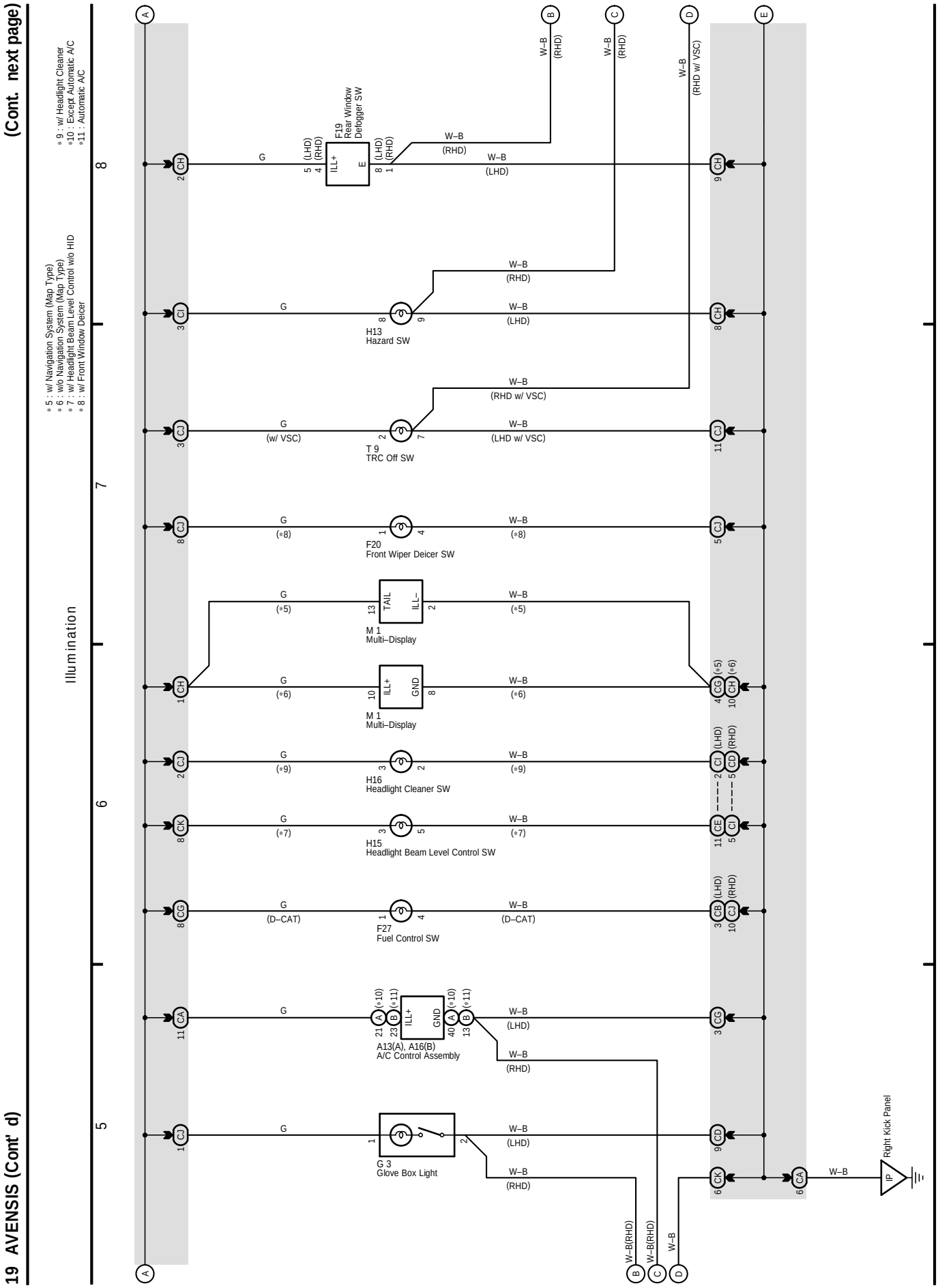

15 AVENSIS
Turn Signal and Hazard Warning Light
Power Source
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : w/ HID
* 6 : w/o HID
* 7 : Behind the Combination Meter
H13 Hazard SW
J16 Junction Connector
J10(A), J11(B), J24(C), J25(D) Junction Connector
C12 Combination SW
Turn SW
Integration Relay <1–6><2–5>
T10 Turn Signal Flasher Relay
J5 Junction Connector
J22(A), J23(B) Junction Connector
C10(A), C11(B) Combination Meter
Turn RH
Turn LH
J17 Junction Connector
J15 Junction Connector
R14(A), (B), (C) Rear Combination Light RH
R13(A), (B), (C) Rear Combination Light LH
F 6 Front Side Turn Signal Light RH
F 9(A), F10(B) Front Turn Signal Light RH
F 5 Front Side Turn Signal Light LH
F 7(A), F 8(B) Front Turn Signal Light LH
7. 5A GAUGE2
IG1 Relay
25A AM1
I13 Ignition SW
10A HAZARD
120A ALT (*3) 100A ALT (*4)
140A ALT
FL MAIN 3. 0W
Battery
Right Kick Panel
Lower Back Panel Center (S/D, L/B) Lower Back Panel Right (W/G)
Engine Compartment Right
Engine Compartment Left
Lower Back Panel Left
Left Kick Panel

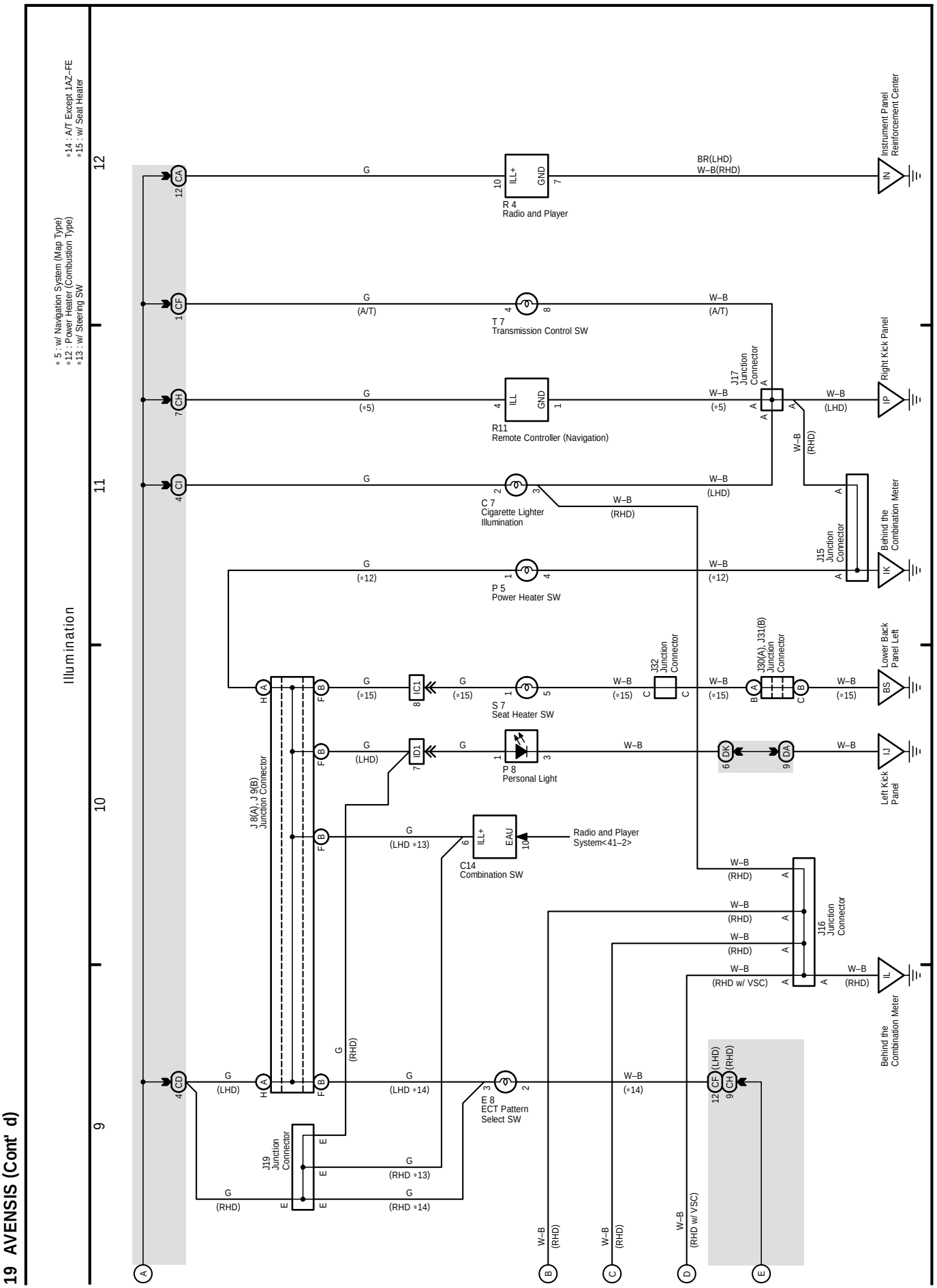

Rear Fog Light
Front Fog Light
Power Source
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : w/ Front Fog Light and Rear Fog Light
* 4 : w/ Front Fog Light
* 5 : w/ Rear Fog Light
* 6 : w/ Rear Fog Light w/o Front Fog Light
* 7 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 8 : 1ZZ–FE, 3ZZ–FE
R 8 Rear Fog Light Relay
FR FOG Relay
TAIL Relay
Taillight System <14–1>
10A TAIL
15A FR FOG
7.5A RR FOG
R14(A), (B), (C) Rear Combination Light RH
R13(A), (B), (C) Rear Combination Light LH
Fog
Lower Back Panel Center (S/D, H/B) Lower Back Panel Right (W/G)
Lower Back Panel Left
Left Kick Panel
Right Kick Panel
C12 Combination SW
Fog Light SW
OFF
Front (*4)
Rear (*6)
Rear (*3)
C10(A), C11(B) Combination Meter
Rear Fog
Front Fog
J30 Junction Connector
J10(A), J11(B), J26(C), J27(D) Junction Connector
J 3(A), J 4(B) Junction Connector
F 4 Front Fog Light RH
F 3 Front Fog Light LH
Engine Compartment Right
Engine Compartment Left
120A ALT (*7)
100A ALT (*8)
140A ALT
FL MAIN 3.0W
Battery

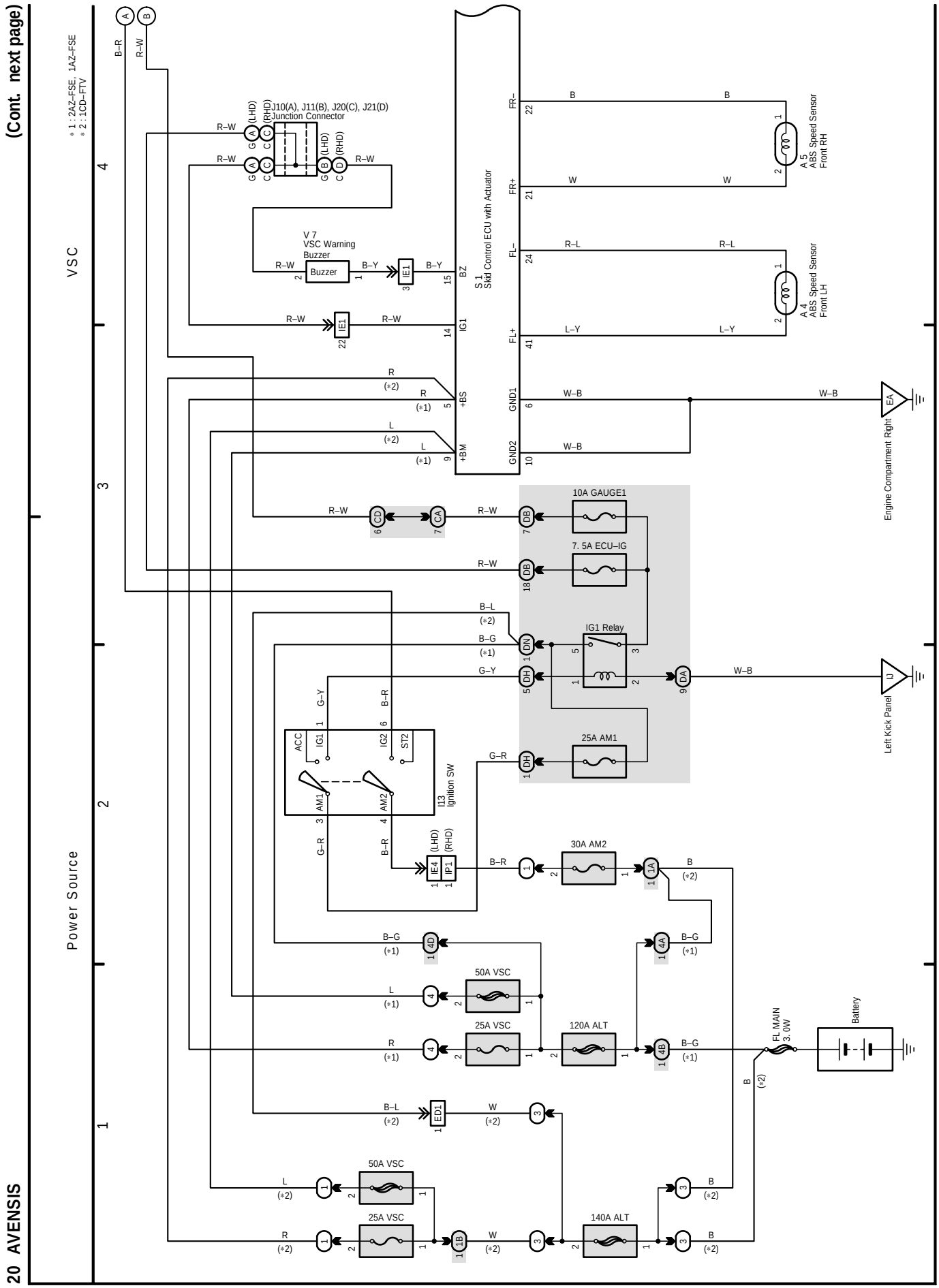

17 AVENSIS
Power Source
Stop Light
1
2
3
4
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
N 8 Noise Filter (Stop Light)
H20 High Mounted Stop Light
J33(A), J34(B) Junction Connector
Right Side of the Back Door
R14(A), (B), (C) Rear Combination Light RH
J30(A), J31(B) Junction Connector
Lower Back Panel Center (S/D, L/B) Lower Back Panel Right (W/G)
R13(A), (B), (C) Rear Combination Light LH
Lower Back Panel Left
J32 Junction Connector
S13 Stop Light SW
Engine and ECT ECU (A/T) <5–12><6–11><7–8> Engine ECU (M/T) <5–12><6–11><7–8><8–12>
Shift Lock Control ECU <32–4>
Skid Control ECU with Actuator <20–6><21–5>
15A STOP
140A ALT
120A ALT (*3) 100A ALT (*4)
FL MAIN 3. 0W
Battery


Back–Up Light
Power Source
R14(A), (B), (C)
Rear Combination
Light RH
R13(A), (B), (C)
Rear Combination
Light LH
Back–Up
Lower Back Panel
Center (S/D, L/B)
Lower Back Panel
Right (W/G)
Lower Back
Panel Left
J32
Junction
Connector
J5
Junction Connector
Navigation ECU
<39–6>
Option Connector
(Navigation ECU)<50–3>
J22(A), J23(B)
Junction Connector
N 1(A)
Neutral Start SW
B 1(B)
Back–Up Light SW
I13
Ignition SW
25A
AM1
IG1
Relay
7. 5A
GAUGE2
120A ALT (*3)
100A ALT (*4)
140A ALT
FL MAIN
3. 0W
Battery
Left Kick Panel
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : w/ Multi–Display
* 6 : w/o Rear Fog Light
* 7 : w/ Rear Fog Light
* 8 : w/o Winter Package
w/o Moon Roof,
w/o Rear Power Window,
w/o Headlight Cleaner,
w/o Front Fog Light,
w/o Daytime Running Light or w/o Multi–Display
* 9 : LHD Except *4 LHD S/D M/T *8
*10 : Except *11 M/T
*11 : 1AZ–FSE, 1AZ–FE
*12 : W/G w/ Rear Fog Light

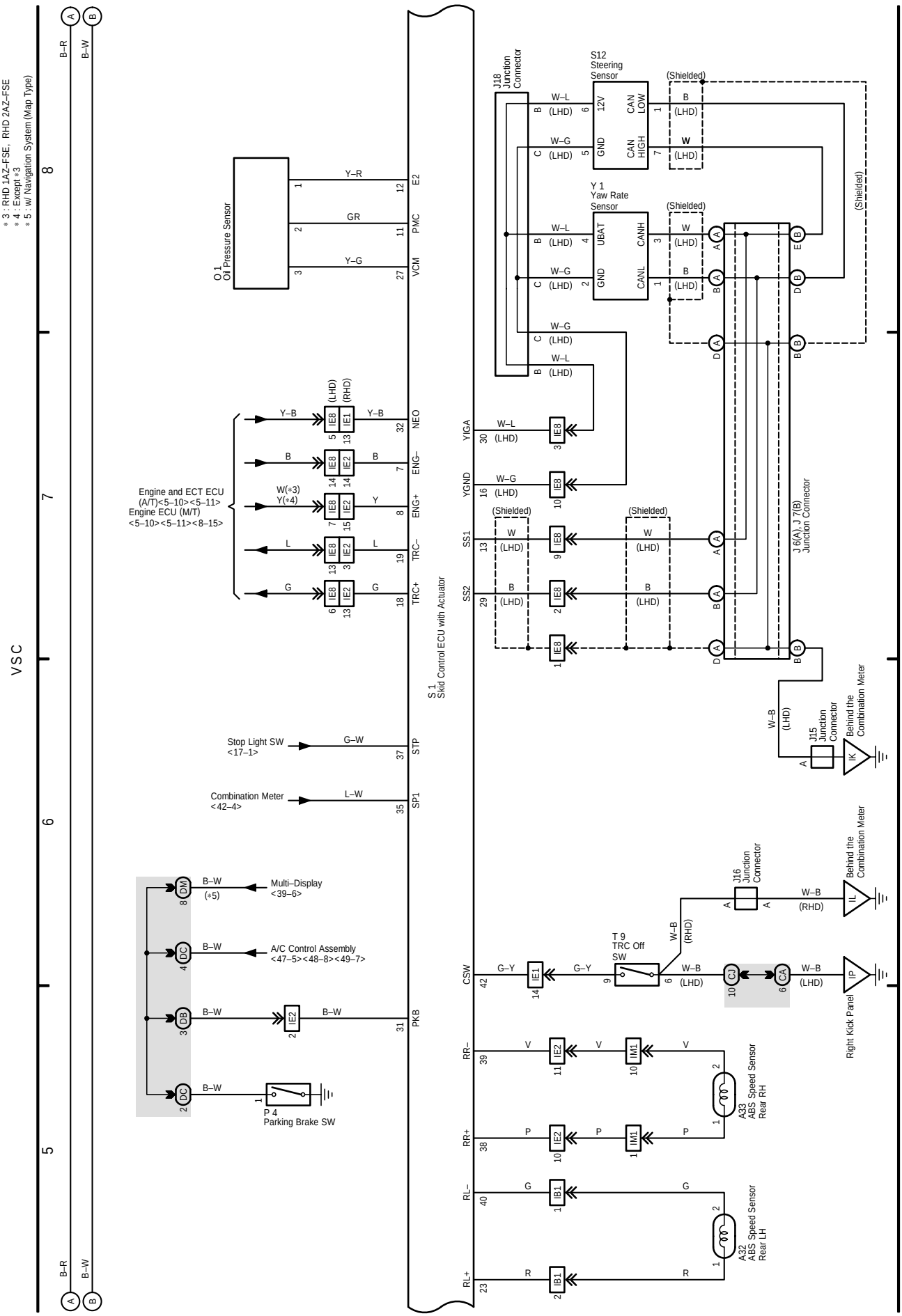

(Cont. next page)
19 AVENSIS
Illumination
Power Source
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : w/ Daytime Running Light
* 4 : 1CD–FTV Power Heater (Hot Gas Type)
J10(A), J11(B), J26(C) Junction Connector
C10(A), C11(B) Combination Meter
CPU
Tail
Illumination
J17 Junction Connector
J15 Junction Connector
J16 Junction Connector
Behind the Combination Meter
P 5 Power Heater SW
J30 Junction Connector
10A TAIL
7. 5A PANEL
TAIL Relay
10A GAUGE1
IG1 Relay
25A AM1
Integration Relay
TOUT
INTB
TRLY
Taillight System <14–1>
(w/o Daytime Running Light)
I13 Ignition SW
ACC
IG1
AM1
Left Kick Panel
120A ALT (2AZ–FSE, 1AZ–FSE, 1AZ–FE)
100A ALT (1ZZ–FE, 3ZZ–FE)
140A ALT
30A DCC
7. 5A DOME
FL MAIN 3. 0W
Battery

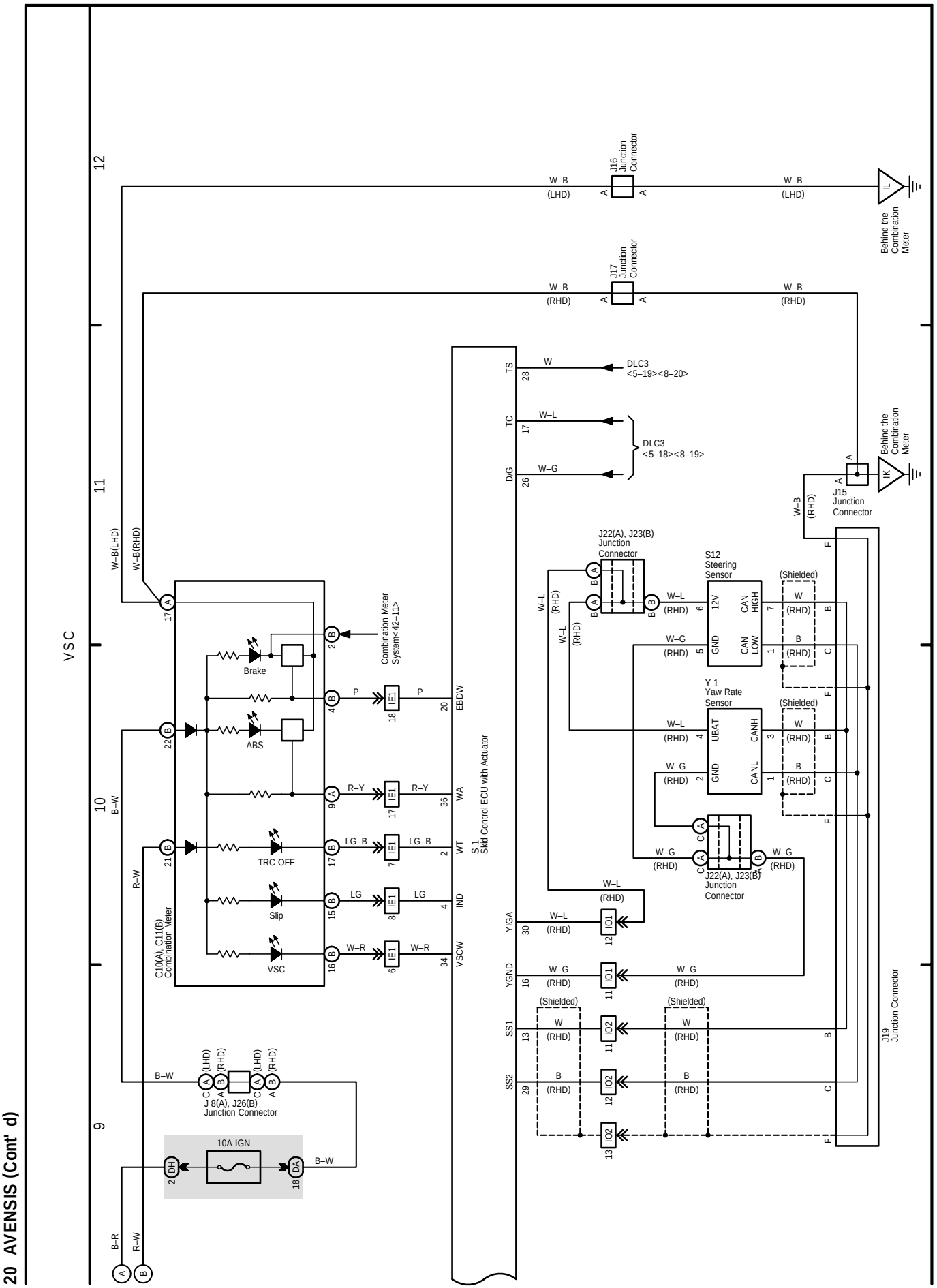

19 AVENSIS (Cont' d)
(Cont. next page)
Illumination
∗5 : w/ Navigation System (Map Type)
∗6 : w/o Navigation System (Map Type)
∗7 : w/ Headlight Beam Level Control w/o HID
∗8 : w/ Front Window Deicer
∗9 : w/ Headlight Cleaner
∗10 : Except Automatic A/C
∗11 : Automatic A/C
F19 Rear Window Defogger SW
H13 Hazard SW
T 9 TRC Off SW
F20 Front Wiper Deicer SW
M 1 Multi–Display
M 1 Multi–Display
H16 Headlight Cleaner SW
H15 Headlight Beam Level Control SW
F27 Fuel Control SW
A13(A), A16(B) A/C Control Assembly
G 3 Glove Box Light
Right Kick Panel
W–B
W–B (RHD)
W–B (LHD)
W–B (RHD w/ VSC)
W–B (LHD w/ VSC)
W–B(RHD)

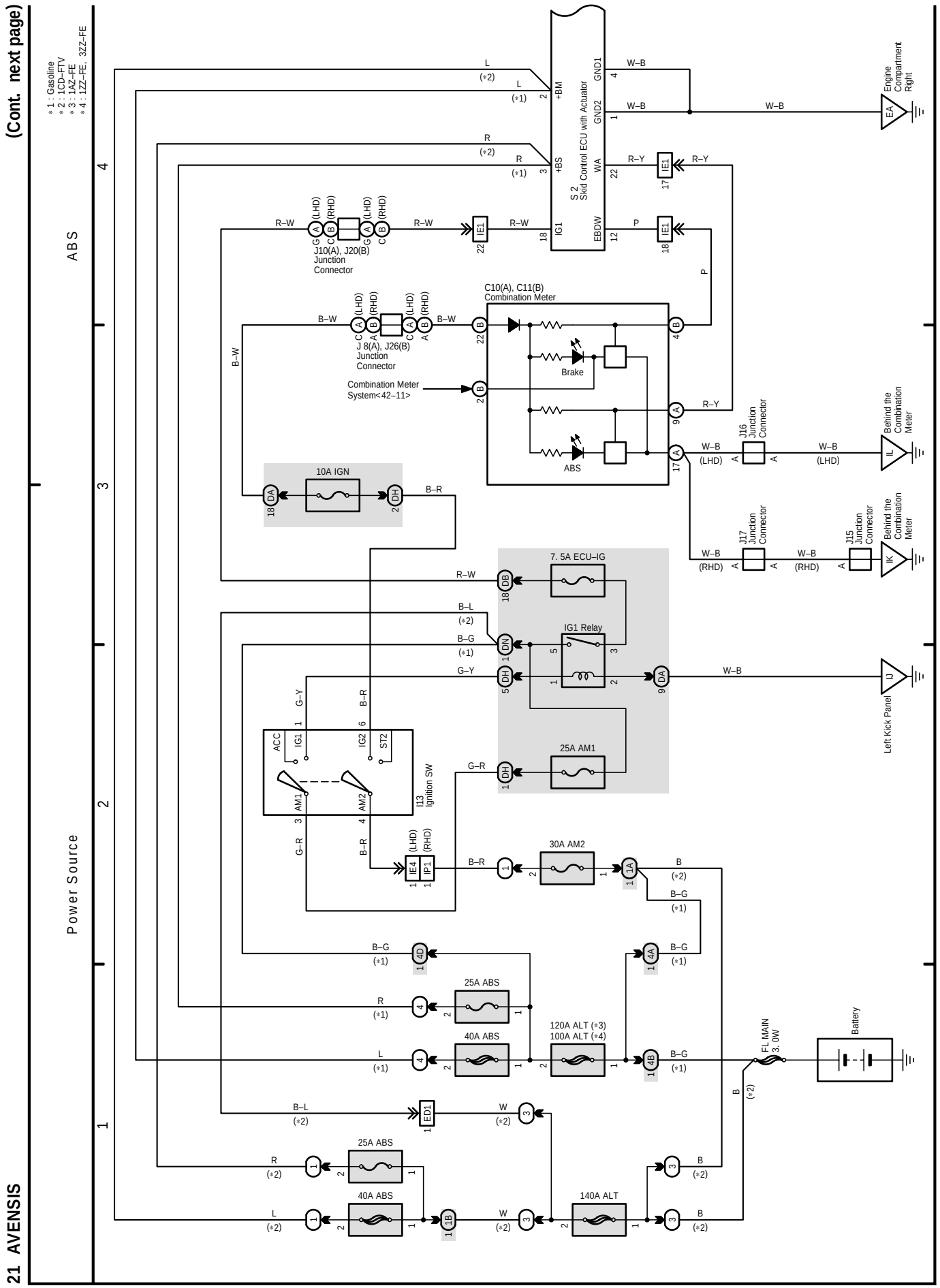

19 AVENSIS (Cont' d)
Illumination
*5 : w/ Navigation System (Map Type)
*12 : Power Heater (Combustion Type)
*13 : w/ Steering SW
*14 : A/T Except 1AZ–FE
*15 : w/ Seat Heater
R 4
Radio and Player
T 7
Transmission Control SW
R11
Remote Controller (Navigation)
C 7
Cigarette Lighter
Illumination
P 5
Power Heater SW
S 7
Seat Heater SW
P 8
Personal Light
C14
Combination SW
Radio and Player
System<41–2>
E 8
ECT Pattern
Select SW
J 8(A), J 9(B)
Junction Connector
J19
Junction
Connector
J15
Junction
Connector
J16
Junction
Connector
J17
Junction
Connector
J30(A), J31(B)
Junction
Connector
J32
Junction
Connector
Instrument Panel
Reinforcement Center
Right Kick Panel
Behind the
Combination Meter
Lower Back
Panel Left
Left Kick
Panel
BR(LHD)
W–B(RHD)
W–B
(A/T)
W–B
(*5)
W–B
(LHD)
W–B
(RHD)
W–B
(*12)
W–B
(*15)
G
(A/T)
G
(*5)
G
(*12)
G
(*15)
G
(LHD)
G
(LHD *13)
G
(LHD *14)
G
(RHD)
G
(RHD *13)
G
(RHD *14)
W–B
(*14)
W–B
(RHD w/ VSC)

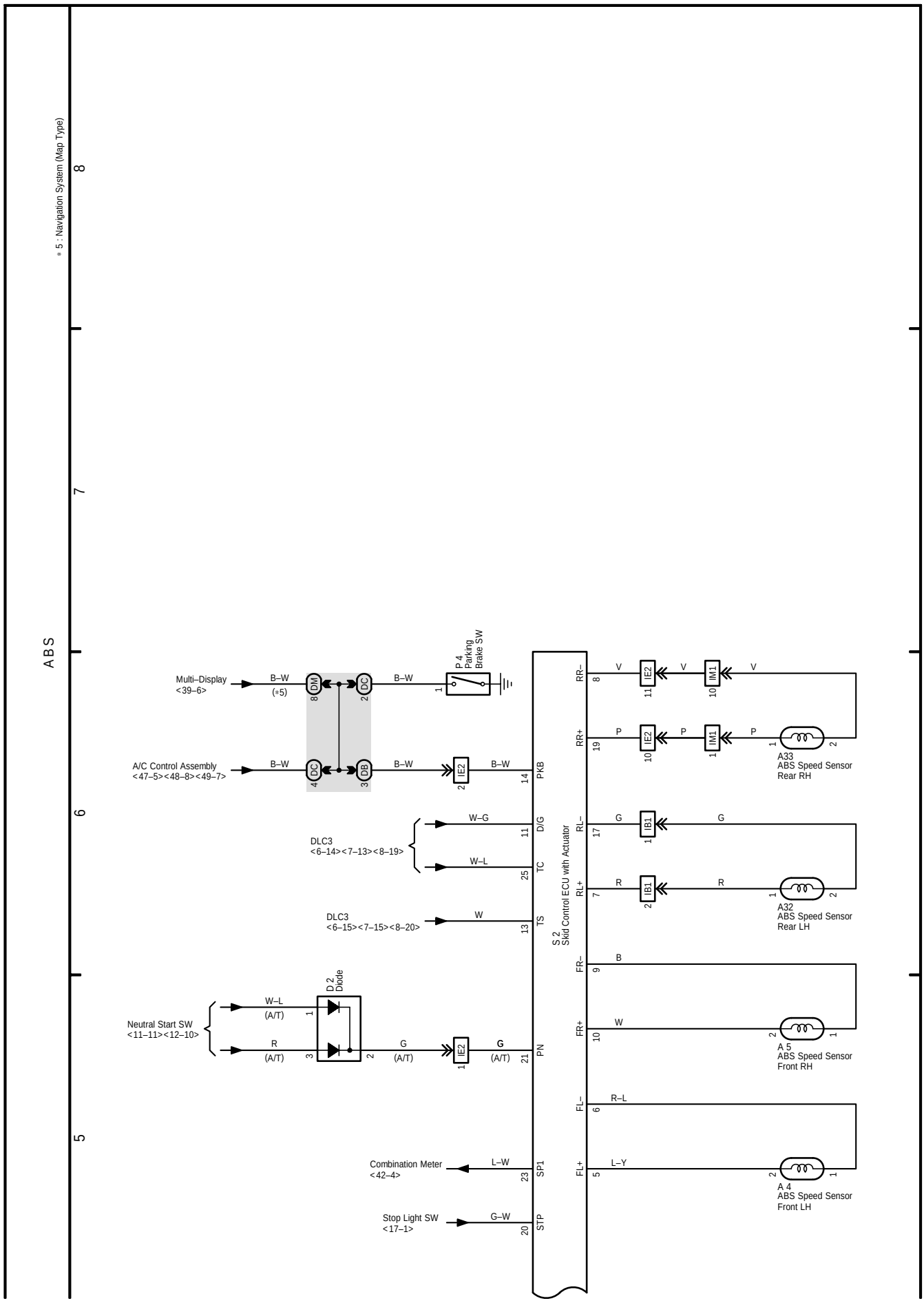

(Cont. next page)
20 AVENSIS
Power Source
VSC
1
2
3
4
* 1.: 2AZ–FSE, 1AZ–FSE
* 2.: 1CD–FTV
J10(A), J11(B), J20(C), J21(D)
Junction Connector
V 7
VSC Warning
Buzzer
Buzzer
S 1
Skid Control ECU with Actuator
A 5
ABS Speed Sensor
Front RH
A 4
ABS Speed Sensor
Front LH
Engine Compartment Right
Left Kick Panel
10A GAUGE1
7. 5A ECU–IG
IG1 Relay
25A AM1
I13
Ignition SW
30A AM2
50A VSC
25A VSC
120A ALT
140A ALT
FL MAIN
3. 0W
Battery

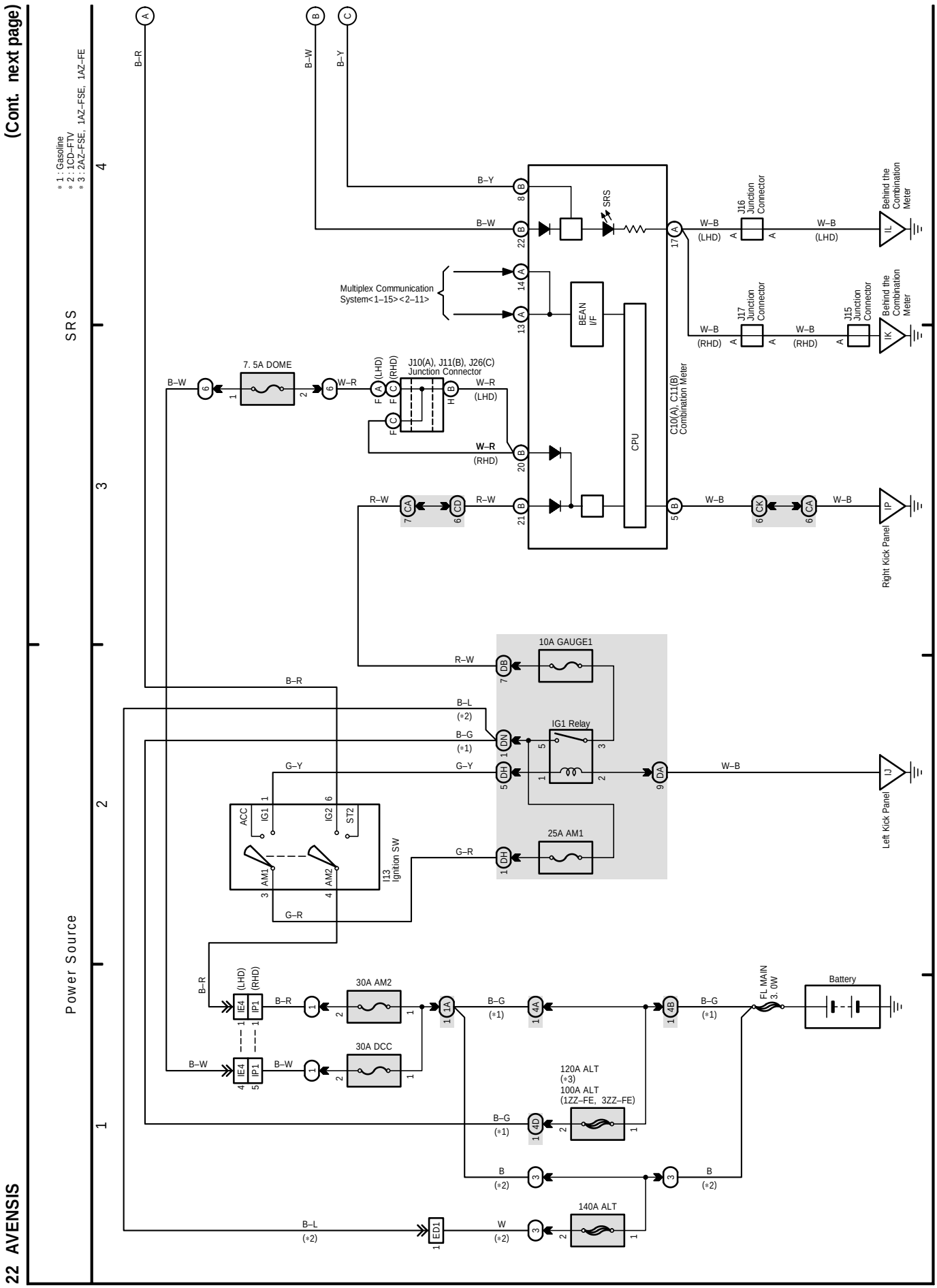
(Cont. next page)




20 AVENSIS (Cont' d)
VSC
12
11
10
9
J16 Junction Connector
J17 Junction Connector
Behind the Combination Meter
DLC3 <5–19><8–20>
DLC3 <5–18><8–19>
J15 Junction Connector
J22(A), J23(B) Junction Connector
S12 Steering Sensor
Y 1 Yaw Rate Sensor
(Shielded)
Combination Meter System<42–11>
Brake
ABS
TRC OFF
Slip
VSC
C10(A), C11(B) Combination Meter
J 8(A), J26(B) Junction Connector
10A IGN
S 1 Skid Control ECU with Actuator
J19 Junction Connector
EBDW
WA
WT
IND
VSCW
YIGA
YGND
SS1
SS2
TS
TC
D/G

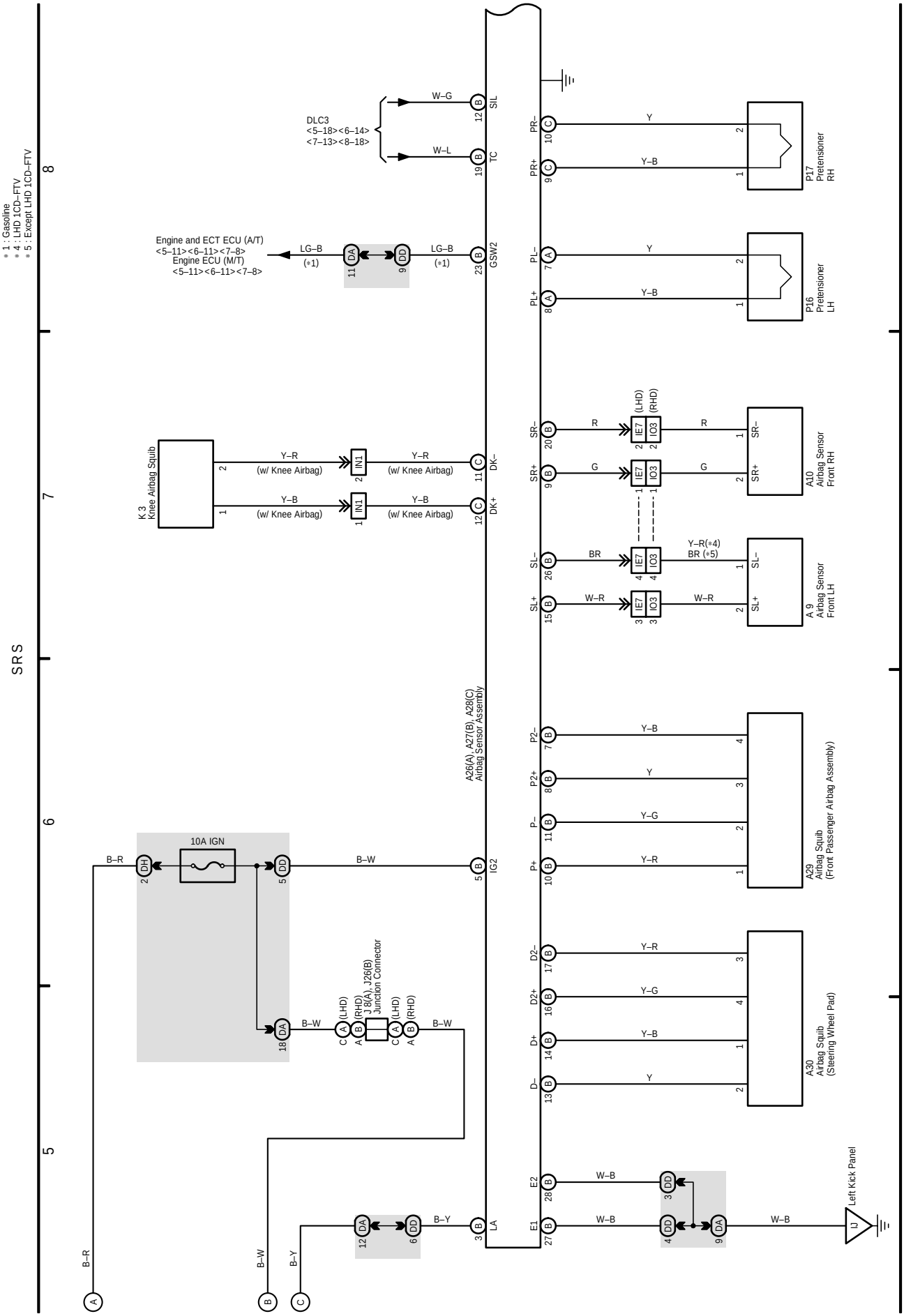

(Cont. next page)
*1 : Gasoline
*2 : 1CD–FTV
*3 : 1AZ–FE
*4 : 1ZZ–FE, 3ZZ–FE
ABS
Power Source
21 AVENSIS
S 2
Skid Control ECU with Actuator
+BM
+BS
IG1
GND1
GND2
WA
EBDW
Engine Compartment Right
J10(A), J20(B) Junction Connector
J 8(A), J26(B) Junction Connector
C10(A), C11(B) Combination Meter
Brake
ABS
Combination Meter System<42–11>
J16 Junction Connector
J17 Junction Connector
J15 Junction Connector
Behind the Combination Meter
Left Kick Panel
10A IGN
7. 5A ECU–IG
IG1 Relay
25A AM1
30A AM2
I13 Ignition SW
ACC
IG1
IG2
ST2
AM1
AM2
25A ABS
40A ABS
120A ALT (*3)
100A ALT (*4)
140A ALT
FL MAIN 3. 0W
Battery

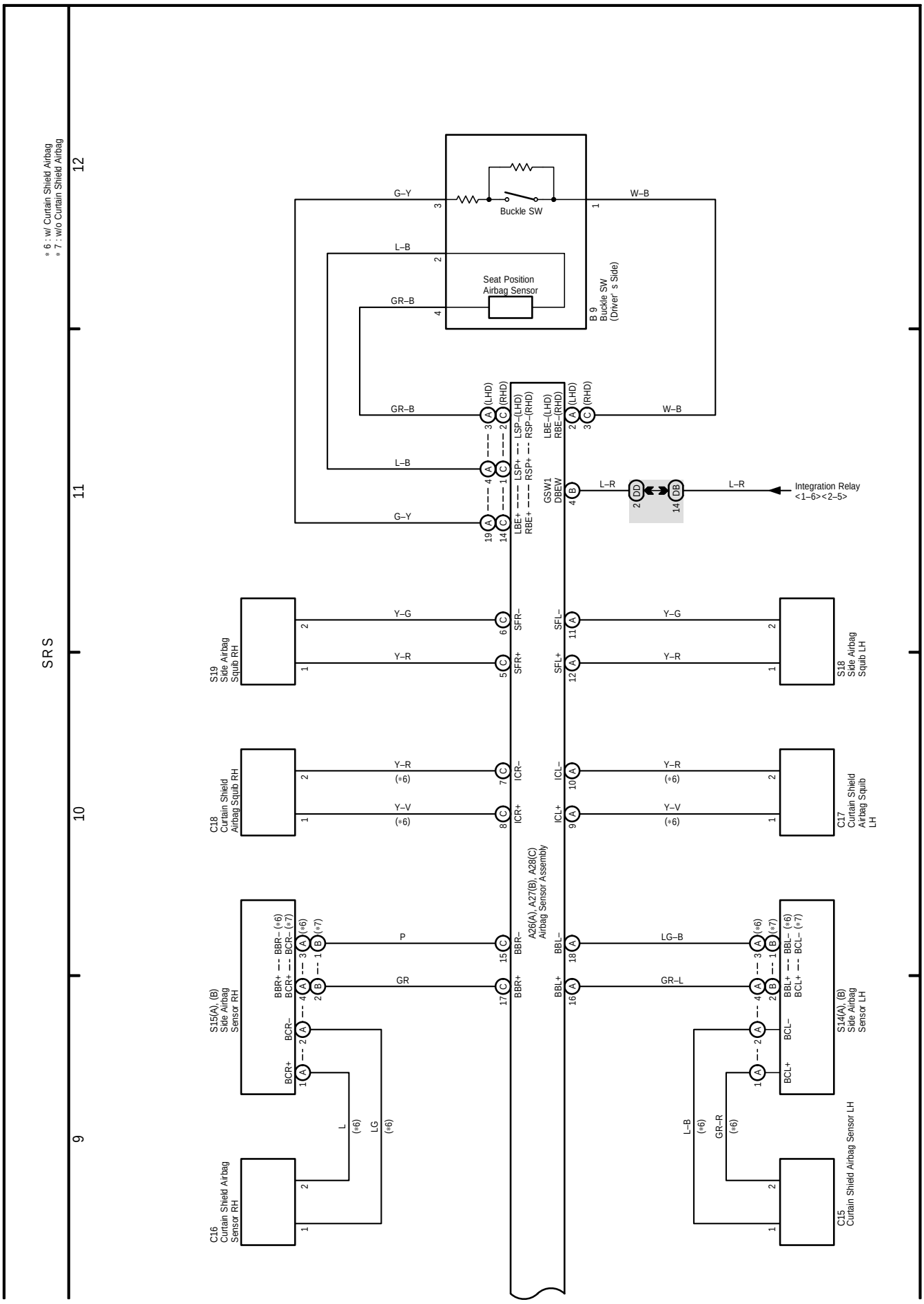

21 AVENSIS (Cont' d)
ABS
5
6
7
8
* 5 : Navigation System (Map Type)
Multi–Display
<39–6>
B–W
(*5)
8 DM
2 DC
B–W
1
P 4
Parking
Brake SW
A/C Control Assembly
<47–5><48–8><49–7>
B–W
4 DC
3 DB
B–W
2 IE2
B–W
14 PKB
DLC3
<6–14><7–13><8–19>
W–G
11 D/G
W–L
25 TC
DLC3
<6–15><7–15><8–20>
W
13 TS
S 2
Skid Control ECU with Actuator
RR–
RR+
RL–
RL+
FR–
FR+
FL–
FL+
8
19
17
7
9
10
6
5
V
P
G
R
B
W
R–L
L–Y
11 IE2
10 IE2
1 IB1
2 IB1
10 IM1
1 IM1
A33
ABS Speed Sensor
Rear RH
A32
ABS Speed Sensor
Rear LH
A 5
ABS Speed Sensor
Front RH
A 4
ABS Speed Sensor
Front LH
D 2
Diode
Neutral Start SW
<11–11><12–10>
W–L
(A/T)
R
(A/T)
1
3
2
G
(A/T)
1 IE2
G
(A/T)
21 PN
Combination Meter
<42–4>
L–W
23 SP1
Stop Light SW
<17–1>
G–W
20 STP

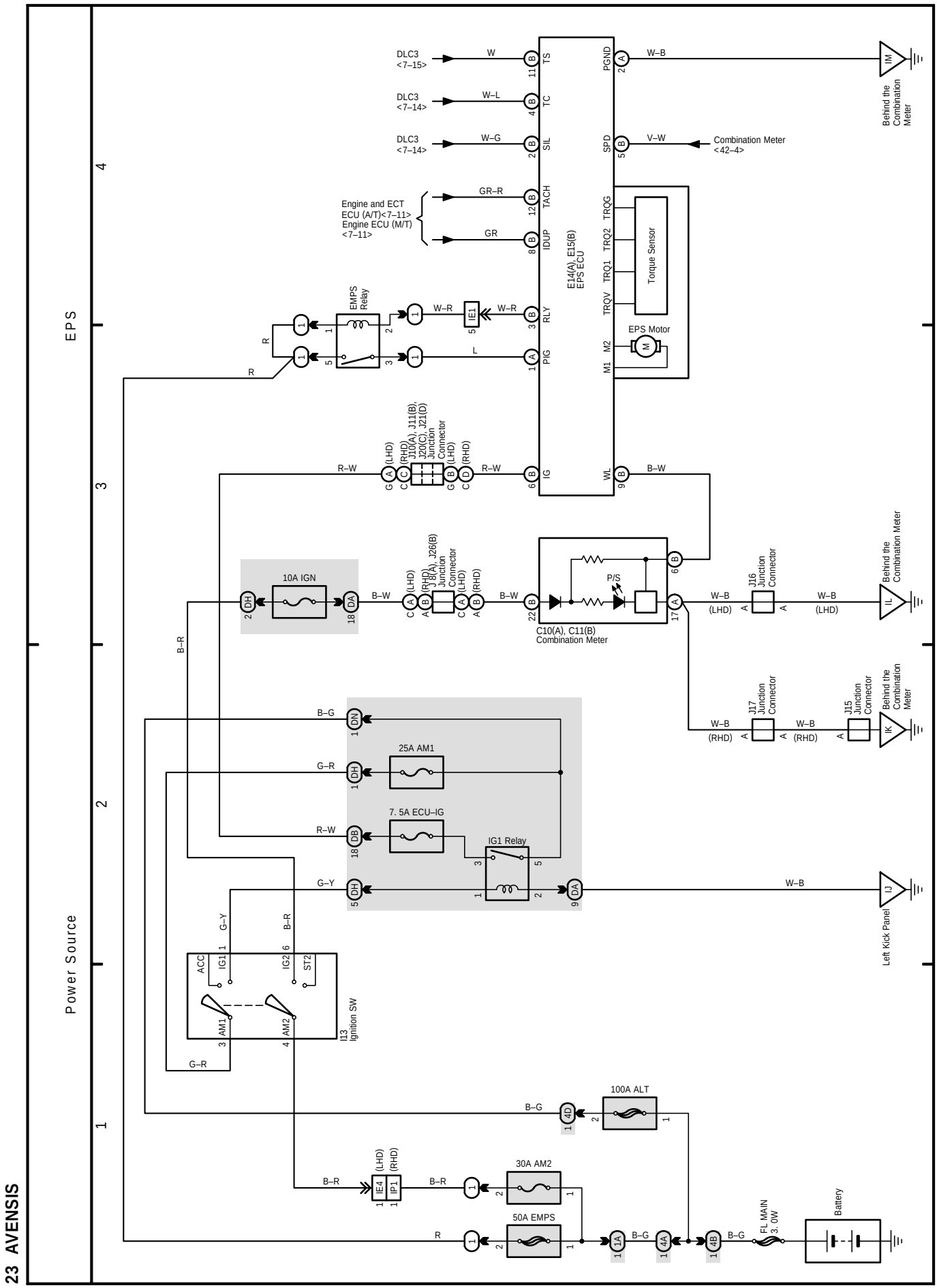

(Cont. next page)
* 1 : Gasoline
* 2 : 1CD-FTV
* 3 : 2AZ-FSE, 1AZ-FSE, 1AZ-FE
SRS
Power Source
22 AVENSIS
Multiplex Communication System<1–15><2–11>
BEAN I/F
CPU
C10(A), C11(B) Combination Meter
SRS
7. 5A DOME
J10(A), J11(B), J26(C) Junction Connector
J16 Junction Connector
J17 Junction Connector
J15 Junction Connector
Behind the Combination Meter
Right Kick Panel
Left Kick Panel
10A GAUGE1
IG1 Relay
25A AM1
I13 Ignition SW
30A AM2
30A DCC
120A ALT (*3)
100A ALT (1ZZ–FE, 3ZZ–FE)
140A ALT
FL MAIN 3. 0W
Battery

22 AVENSIS (Cont' d)

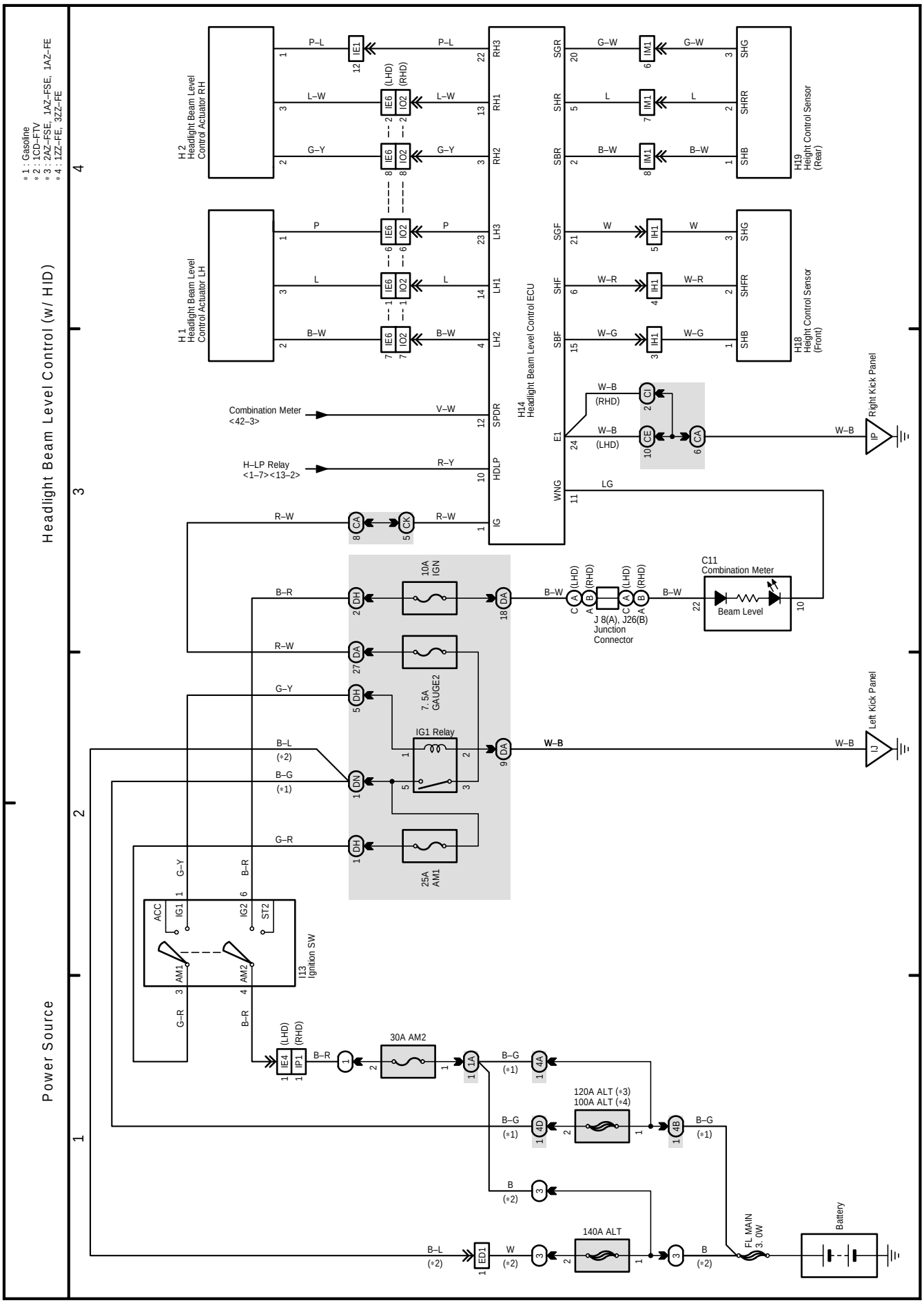
(Cont. next page)

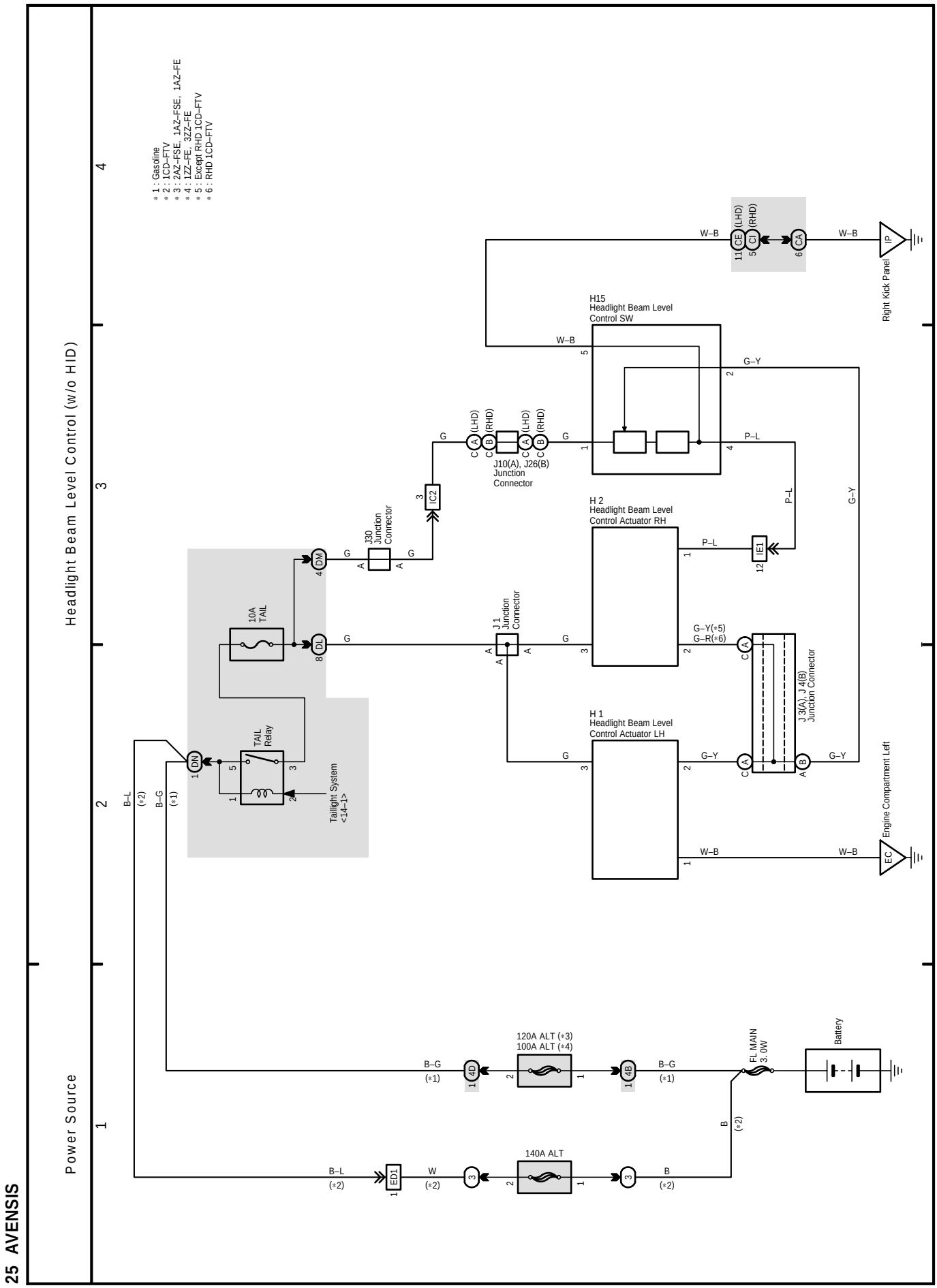


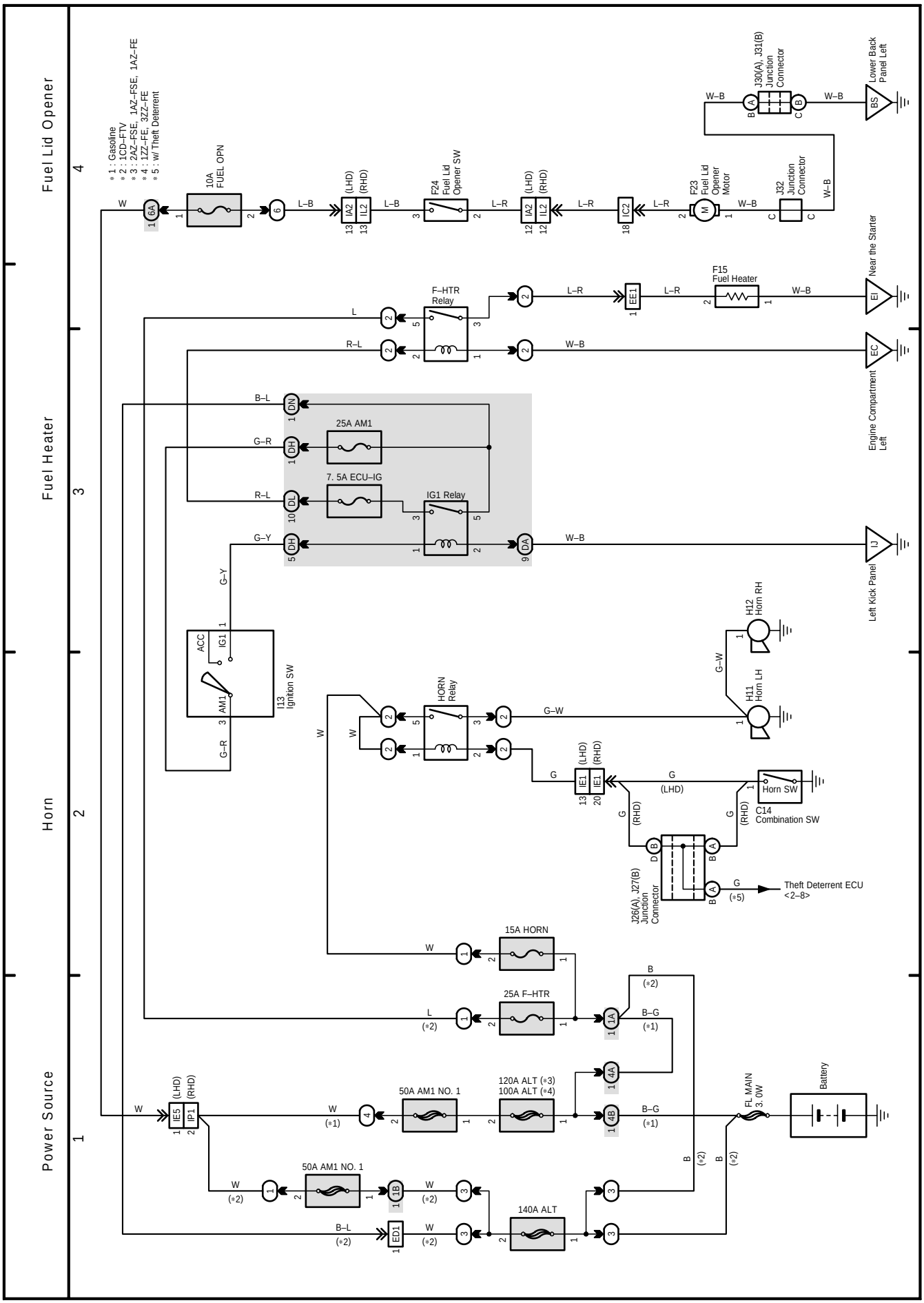

22 AVENSIS (Cont' d)
SRS
* 6 : w/ Curtain Shield Airbag
* 7 : w/o Curtain Shield Airbag
Buckle SW
Seat Position Airbag Sensor
B 9 Buckle SW (Driver' s Side)
G–Y
W–B
L–B
GR–B
GSW1
DBEW
Integration Relay <1–6><2–5>
S19 Side Airbag Squib RH
S18 Side Airbag Squib LH
C18 Curtain Shield Airbag Squib RH
C17 Curtain Shield Airbag Squib LH
A26(A), A27(B), A28(C) Airbag Sensor Assembly
S15(A), (B) Side Airbag Sensor RH
S14(A), (B) Side Airbag Sensor LH
C16 Curtain Shield Airbag Sensor RH
C15 Curtain Shield Airbag Sensor LH
SFR+
SFR–
SFL+
SFL–
ICR+
ICR–
ICL+
ICL–
BBR+
BBR–
BBL+
BBL–
BCR+
BCR–
BCL+
BCL–
LBE+
RBE+
LSP+
RSP+
LBE–(LHD)
RBE–(RHD)
LSP–(LHD)
RSP–(RHD)
(LHD)
(RHD)
Y–G
Y–R
Y–V
P
GR
LG–B
GR–L
L
LG
L–B
GR–R
(*6)
(*7)

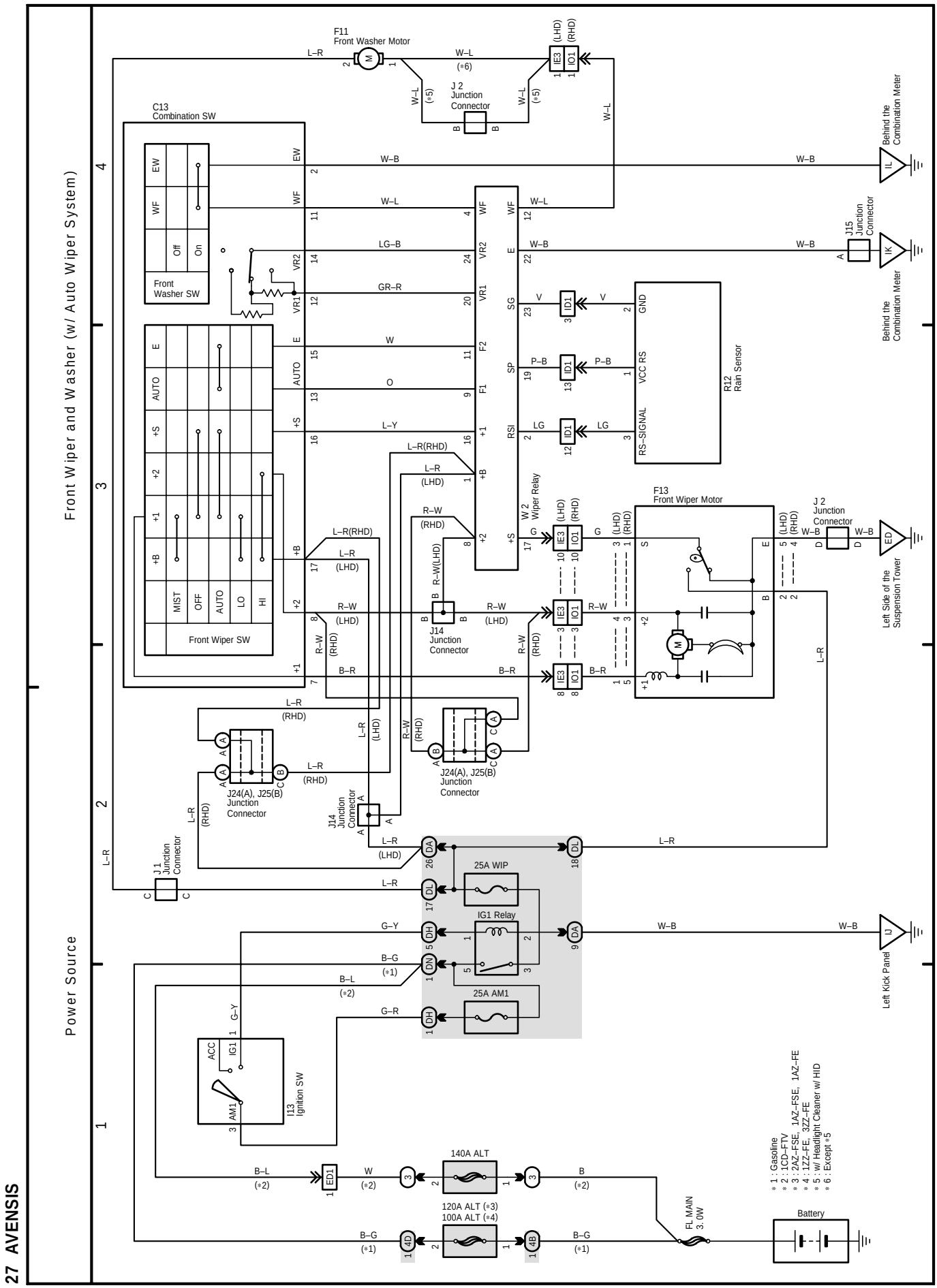

EPS
Power Source
DLC3 <7–15>
W
DLC3 <7–14>
W–L
DLC3 <7–14>
W–G
Engine and ECT ECU (A/T)<7–11> Engine ECU (M/T) <7–11>
GR–R
GR
E14(A), E15(B) EPS ECU
TS
TC
SIL
TACH
IDUP
RLY
IG
PIG
PGND
SPD
TRQG
TRQ2
TRQ1
TRQV
M2
M1
W–B
V–W
Combination Meter <42–4>
Behind the Combination Meter
Torque Sensor
EPS Motor
EMPS Relay
W–R
L
R
R–W
B–W
J10(A), J11(B), J20(C), J21(D) Junction Connector
10A IGN
B–W
J8(A), J26(B) Junction Connector
P/S
C10(A), C11(B) Combination Meter
J16 Junction Connector
W–B (LHD)
J17 Junction Connector
W–B (RHD)
J15 Junction Connector
B–G
25A AM1
G–R
7. 5A ECU–IG
R–W
IG1 Relay
G–Y
Left Kick Panel
ACC
IG1
IG2
ST2
AM1
AM2
I13 Ignition SW
100A ALT
30A AM2
50A EMPS
IE4
IP1
FL MAIN 3. 0W
Battery

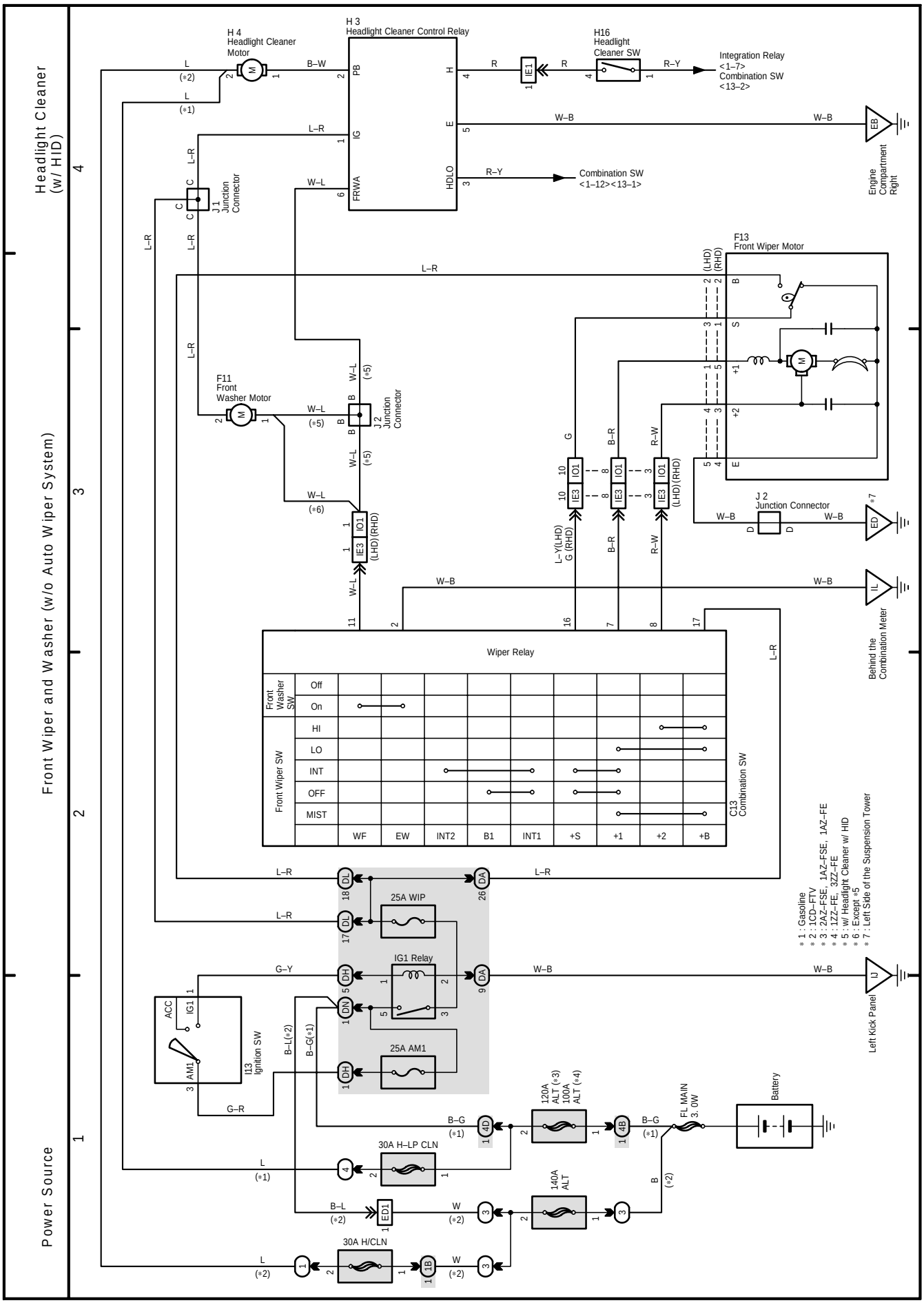
23 AVENSIS

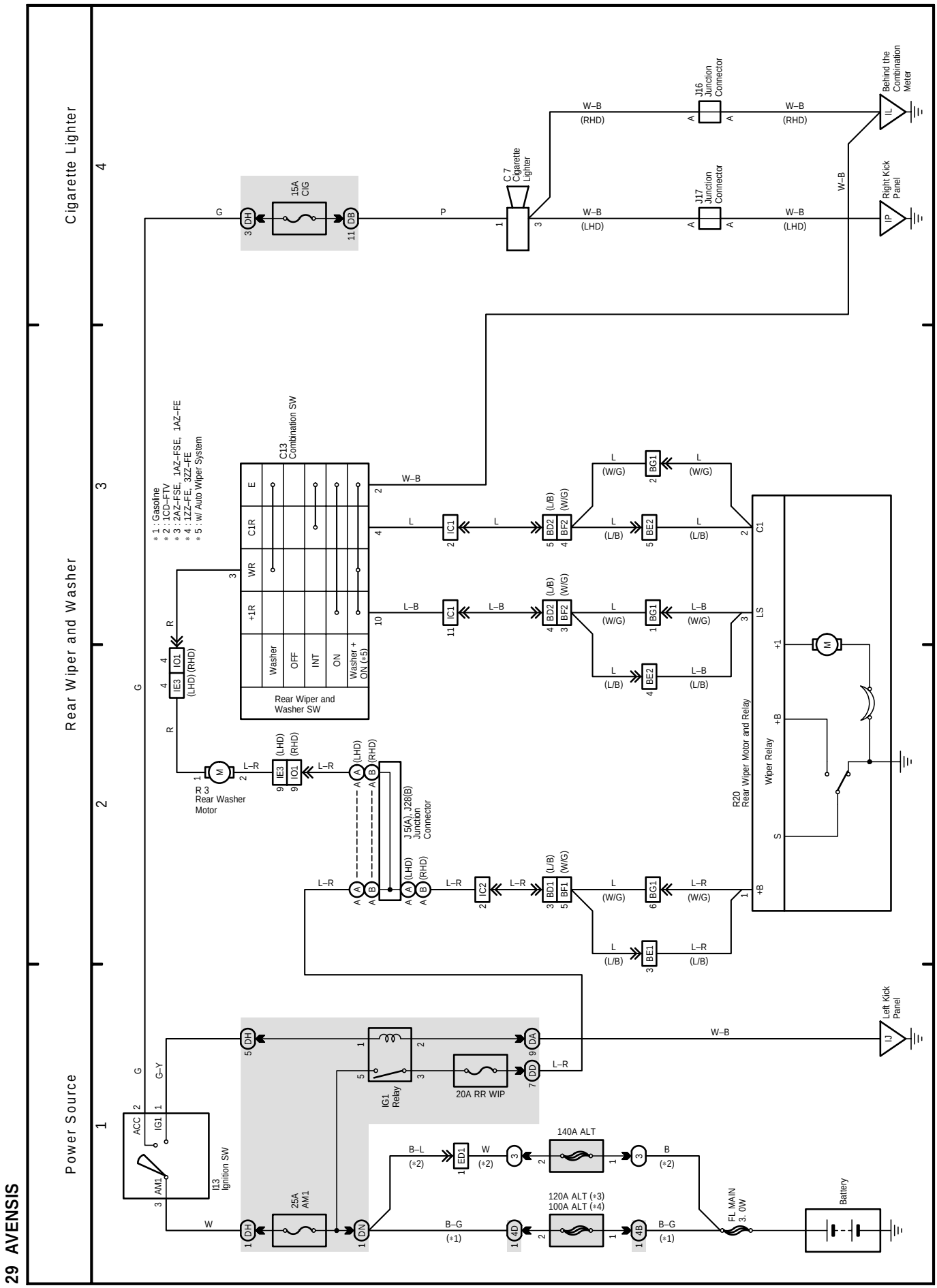

Headlight Beam Level Control (w/ HID)
Power Source
*1 : Gasoline
*2 : 1CD–FTV
*3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
*4 : 1ZZ–FE, 3ZZ–FE
H1 Headlight Beam Level Control Actuator LH
H2 Headlight Beam Level Control Actuator RH
H14 Headlight Beam Level Control ECU
H18 Height Control Sensor (Front)
H19 Height Control Sensor (Rear)
Combination Meter <42–3>
H–LP Relay <1–7><13–2>
Right Kick Panel
Left Kick Panel
C11 Combination Meter
Beam Level
J 8(A), J26(B) Junction Connector
10A IGN
7. 5A GAUGE2
25A AM1
IG1 Relay
I13 Ignition SW
30A AM2
120A ALT (*3) 100A ALT (*4)
140A ALT
FL MAIN 3. 0W
Battery

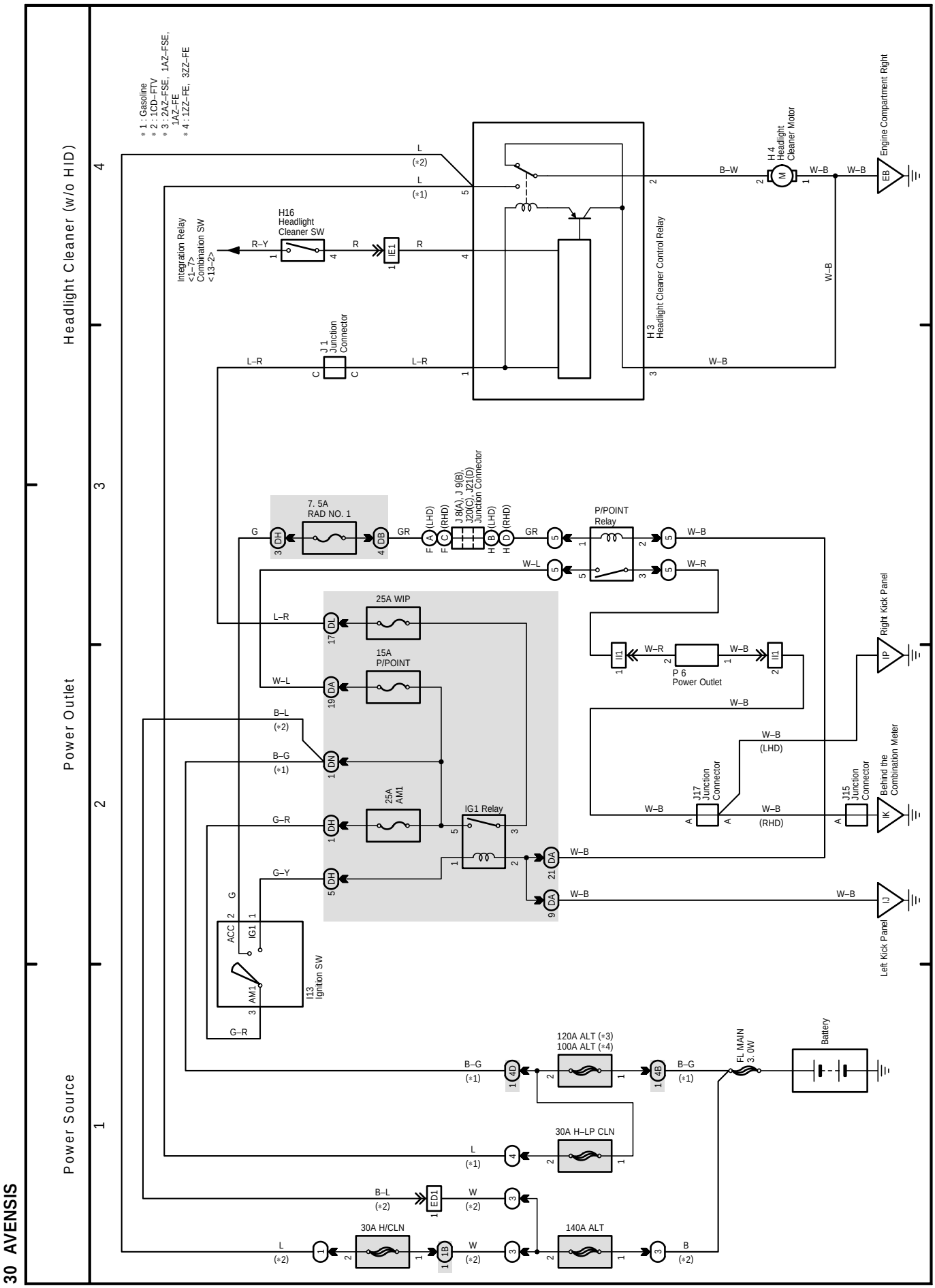

25 AVENSIS
Power Source
Headlight Beam Level Control (w/o HID)
1
2
3
4
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : Except RHD 1CD–FTV
* 6 : RHD 1CD–FTV
Battery
FL MAIN
3. 0W
120A ALT (*3)
100A ALT (*4)
140A ALT
B–G
(*1)
B–L
(*2)
W
B
4D
4B
ED1
3
DN
DM
DL
IC2
IE1
CE (LHD)
CI (RHD)
CA
IP
Right Kick Panel
EC
Engine Compartment Left
10A
TAIL
TAIL
Relay
Taillight System
<14–1>
J30
Junction
Connector
J1
Junction
Connector
J10(A), J26(B)
Junction
Connector
J 3(A), J 4(B)
Junction Connector
H15
Headlight Beam Level
Control SW
H 2
Headlight Beam Level
Control Actuator RH
H 1
Headlight Beam Level
Control Actuator LH
W–B
G
G–Y
P–L
G–Y(*5)
G–R(*6)

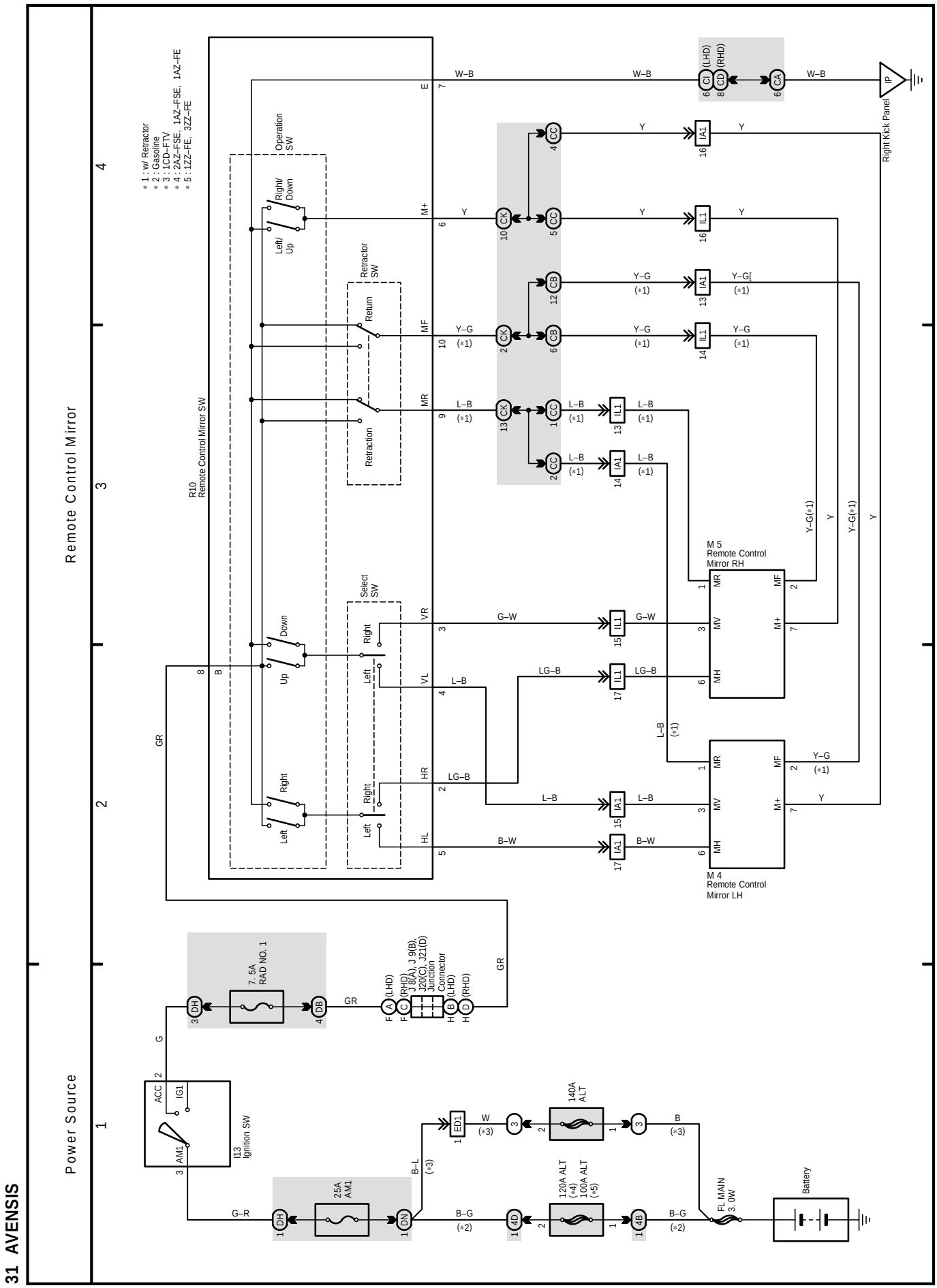

Fuel Lid Opener
Fuel Heater
Horn
Power Source
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : w/ Theft Deterrent
10A FUEL OPN
F24 Fuel Lid Opener SW
F23 Fuel Lid Opener Motor
J32 Junction Connector
J30(A), J31(B) Junction Connector
Lower Back Panel Left
F–HTR Relay
F15 Fuel Heater
Near the Starter
Engine Compartment Left
25A AM1
7. 5A ECU–IG
IG1 Relay
Left Kick Panel
H12 Horn RH
H11 Horn LH
HORN Relay
I13 Ignition SW
Horn SW
C14 Combination SW
J26(A), J27(B) Junction Connector
Theft Deterrent ECU <2–8>
15A HORN
25A F–HTR
50A AM1 NO. 1
120A ALT (*3)
100A ALT (*4)
140A ALT
FL MAIN 3. 0W
Battery

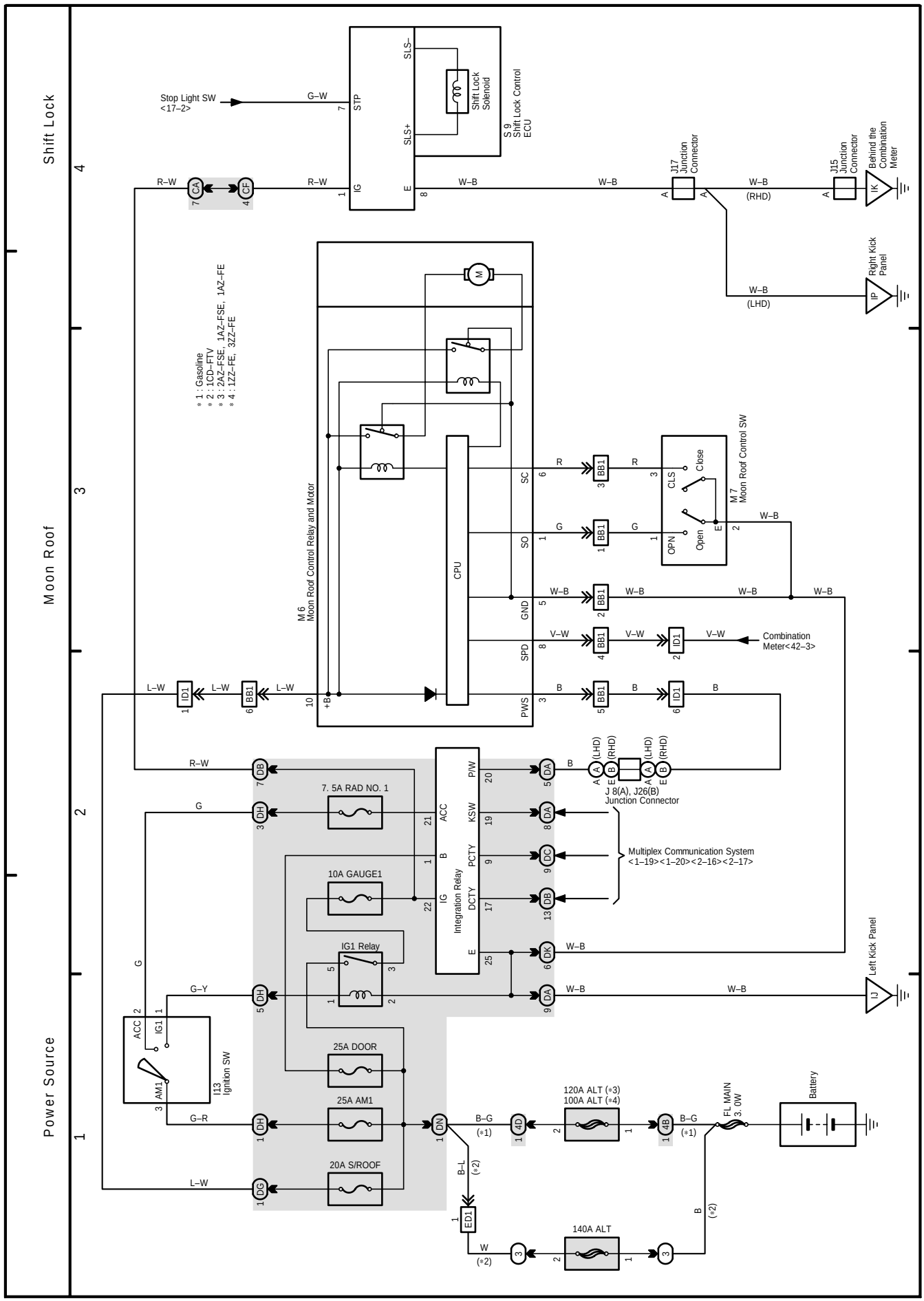

27 AVENSIS
Front Wiper and Washer (w/ Auto Wiper System)
Power Source
F11
Front Washer Motor
C13
Combination SW
Front
Washer SW
Front Wiper SW
MIST
OFF
AUTO
LO
HI
J 2
Junction
Connector
J15
Junction
Connector
Behind the
Combination Meter
R12
Rain Sensor
RS–SIGNAL
VCC RS
GND
W 2
Wiper Relay
F13
Front Wiper Motor
J14
Junction
Connector
J24(A), J25(B)
Junction
Connector
J 1
Junction
Connector
Left Side of the
Suspension Tower
Left Kick Panel
25A WIP
25A AM1
IG1 Relay
I13
Ignition SW
ACC
IG1
AM1
140A ALT
120A ALT (*3)
100A ALT (*4)
FL MAIN
3. 0W
Battery
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : w/ Headlight Cleaner w/ HID
* 6 : Except *5

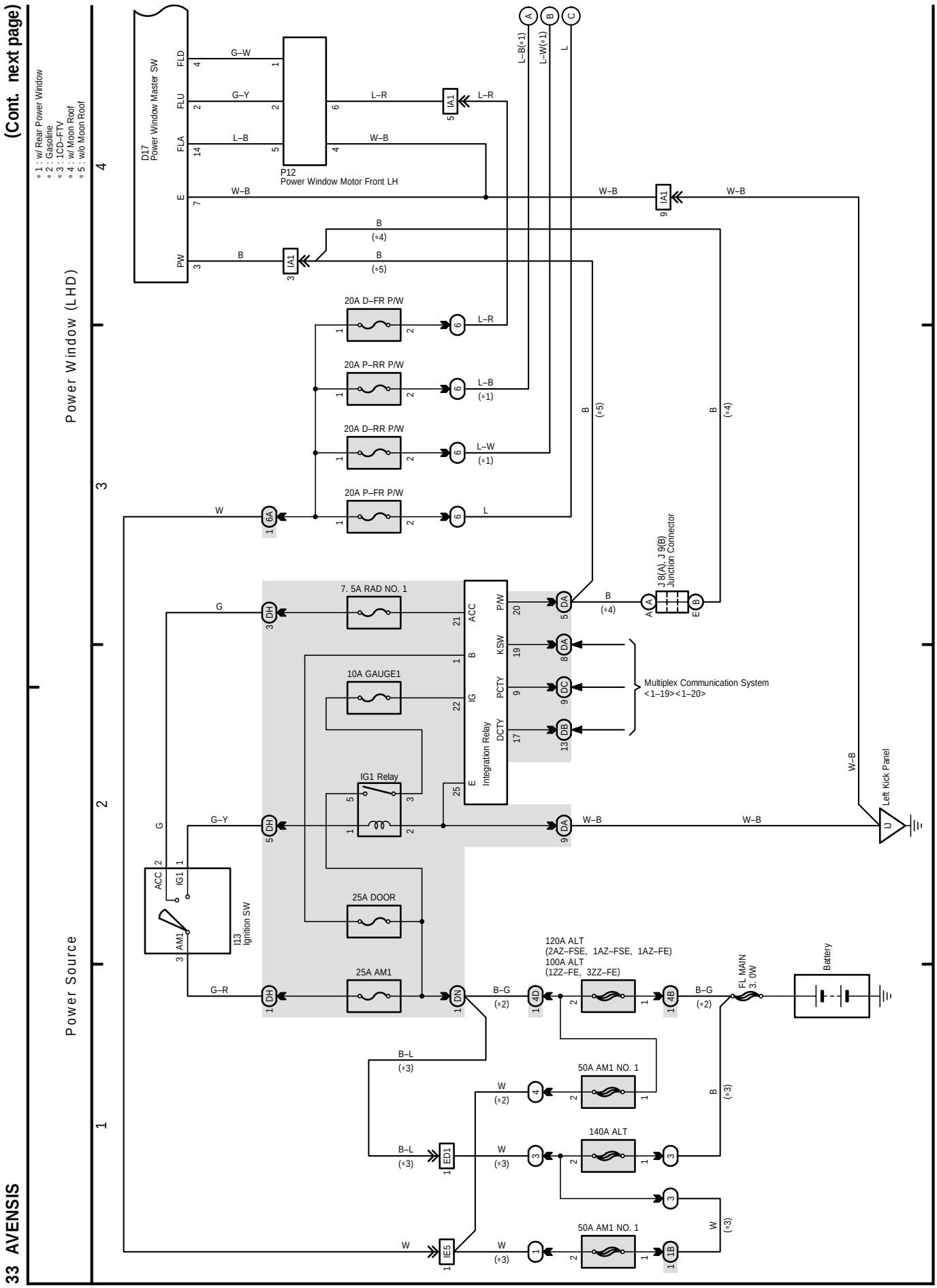

Headlight Cleaner (w/ HID)
Front Wiper and Washer (w/o Auto Wiper System)
Power Source
H 3
Headlight Cleaner Control Relay
H 4
Headlight Cleaner Motor
H16
Headlight Cleaner SW
Integration Relay
<1–7>
Combination SW
<13–2>
Combination SW
<1–12><13–1>
Engine Compartment Right
J 1
Junction Connector
F13
Front Wiper Motor
F11
Front Washer Motor
J 2
Junction Connector
Wiper Relay
Front Wiper SW
Front Washer SW
C13
Combination SW
Behind the Combination Meter
Left Kick Panel
25A WIP
IG1 Relay
25A AM1
I13
Ignition SW
120A
ALT (*3)
100A
ALT (*4)
140A
ALT
30A H–LP CLN
30A H/CLN
FL MAIN
3. 0W
Battery
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : w/ Headlight Cleaner w/ HID
* 6 : Except *5
* 7 : Left Side of the Suspension Tower

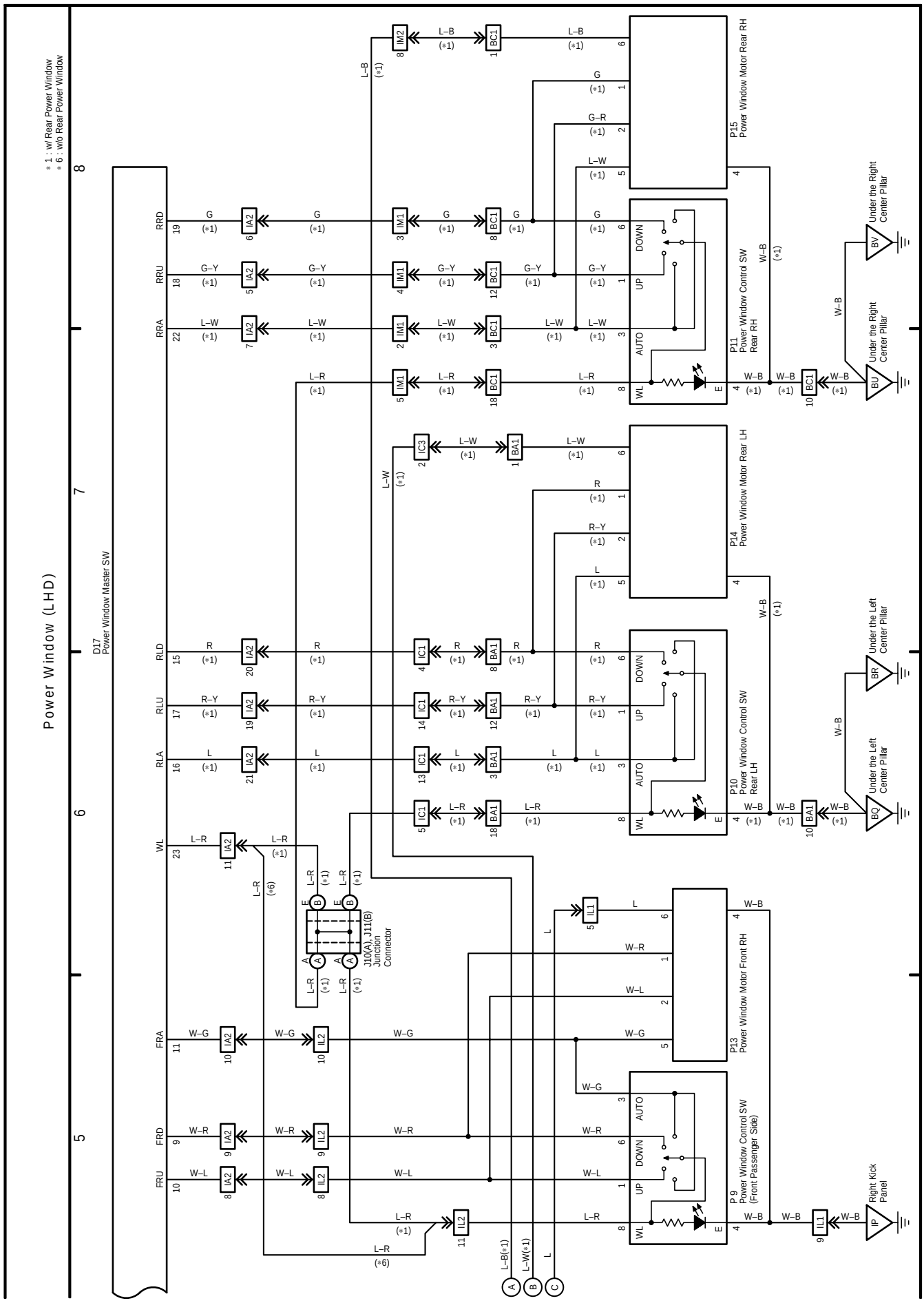

Power Source
Rear Wiper and Washer
Cigarette Lighter
1
2
3
4
29 AVENSIS
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : w/ Auto Wiper System
15A CIG
C 7 Cigarette Lighter
J16 Junction Connector
J17 Junction Connector
Behind the Combination Meter
Right Kick Panel
C13 Combination SW
Rear Wiper and Washer SW
Washer
OFF
INT
ON
Washer + ON (*5)
R 3 Rear Washer Motor
J 5(A), J28(B) Junction Connector
R20 Rear Wiper Motor and Relay
Wiper Relay
I13 Ignition SW
IG1 Relay
20A RR WIP
25A AM1
140A ALT
120A ALT (*3)
100A ALT (*4)
FL MAIN 3. 0W
Battery
Left Kick Panel

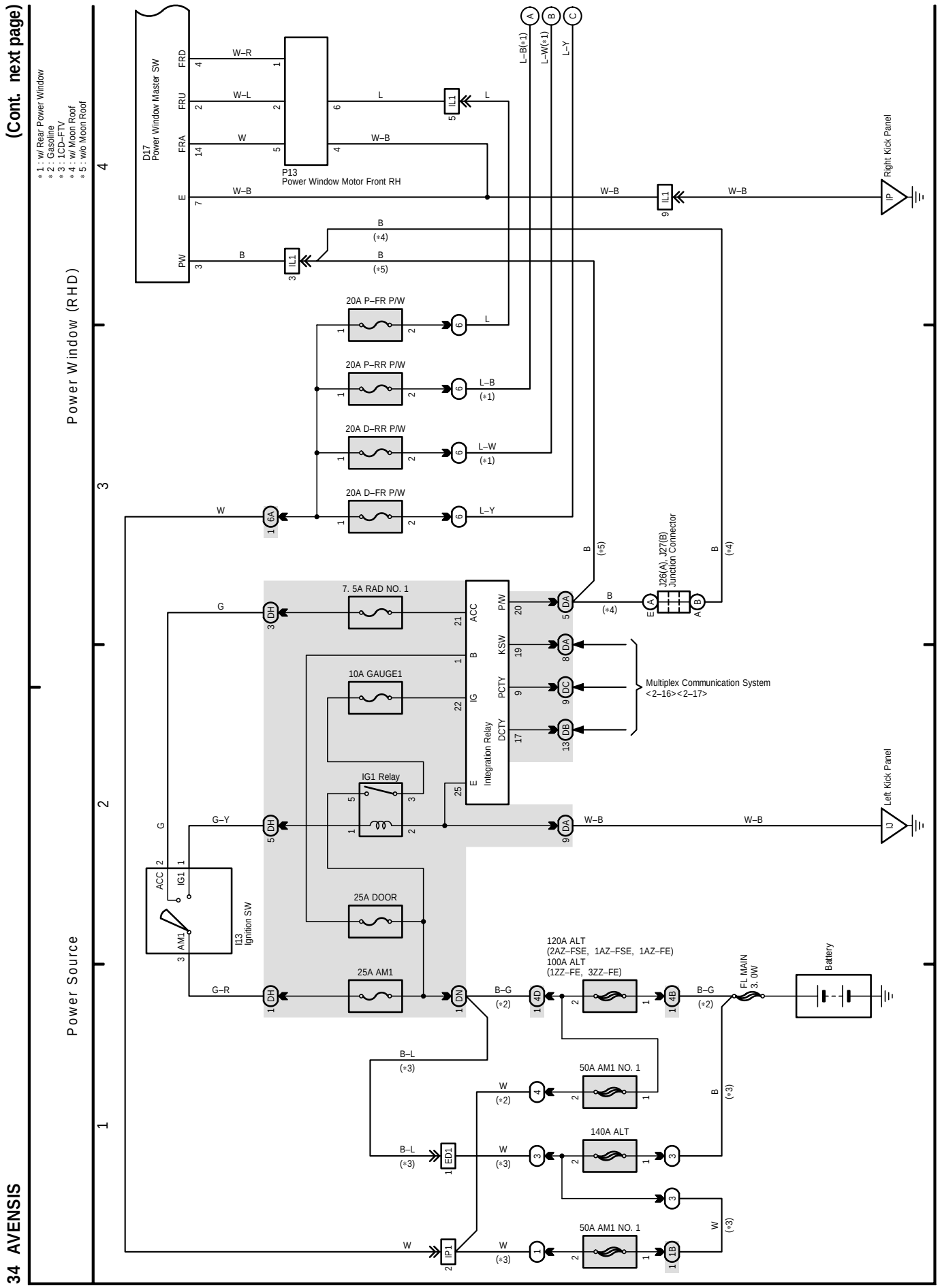

Headlight Cleaner (w/o HID)
Power Outlet
Power Source
1
2
3
4
30 AVENSIS
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
H16 Headlight Cleaner SW
Integration Relay <1–7> Combination SW <13–2>
H 3 Headlight Cleaner Control Relay
H 4 Headlight Cleaner Motor
Engine Compartment Right
J 1 Junction Connector
J 8(A), J 9(B), J20(C), J21(D) Junction Connector
7. 5A RAD NO. 1
P/POINT Relay
25A WIP
15A P/POINT
25A AM1
IG1 Relay
I13 Ignition SW
P 6 Power Outlet
Right Kick Panel
Left Kick Panel
J17 Junction Connector
J15 Junction Connector
Behind the Combination Meter
120A ALT (*3) 100A ALT (*4)
140A ALT
30A H/CLN
30A H–LP CLN
FL MAIN 3. 0W
Battery

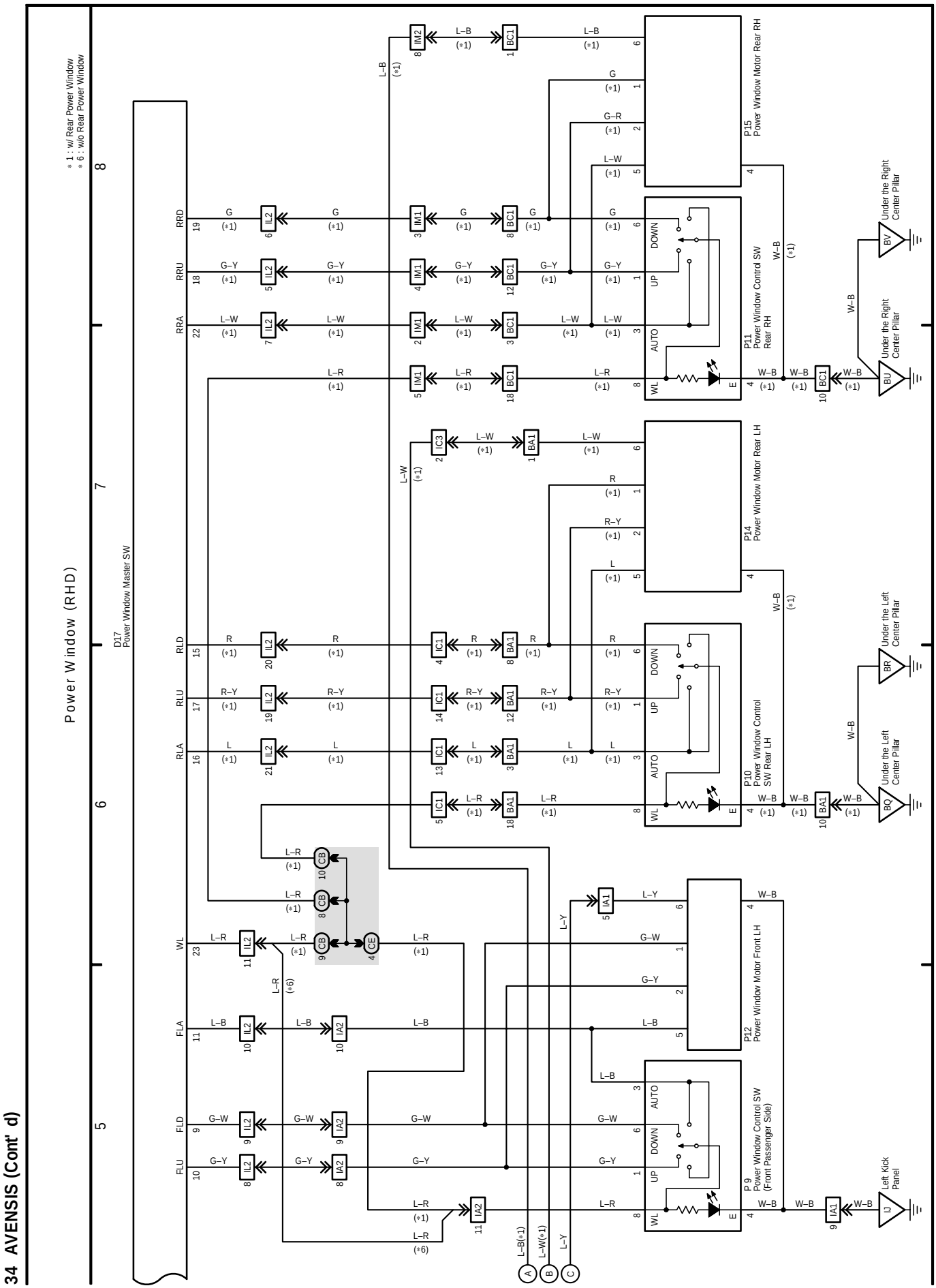

31 AVENSIS
Power Source
Remote Control Mirror
* 1 : w/ Retractor
* 2 : Gasoline
* 3 : 1CD–FTV
* 4 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 5 : 1ZZ–FE, 3ZZ–FE
R10
Remote Control Mirror SW
Operation SW
Retractor SW
Select SW
M 5
Remote Control Mirror RH
M 4
Remote Control Mirror LH
I13
Ignition SW
7. 5A
RAD NO. 1
25A
AM1
140A
ALT
120A ALT
(*4)
100A ALT
(*5)
FL MAIN
3. 0W
Battery
Right Kick Panel
J 8(A), J 9(B),
J20(C), J21(D)
Junction
Connector

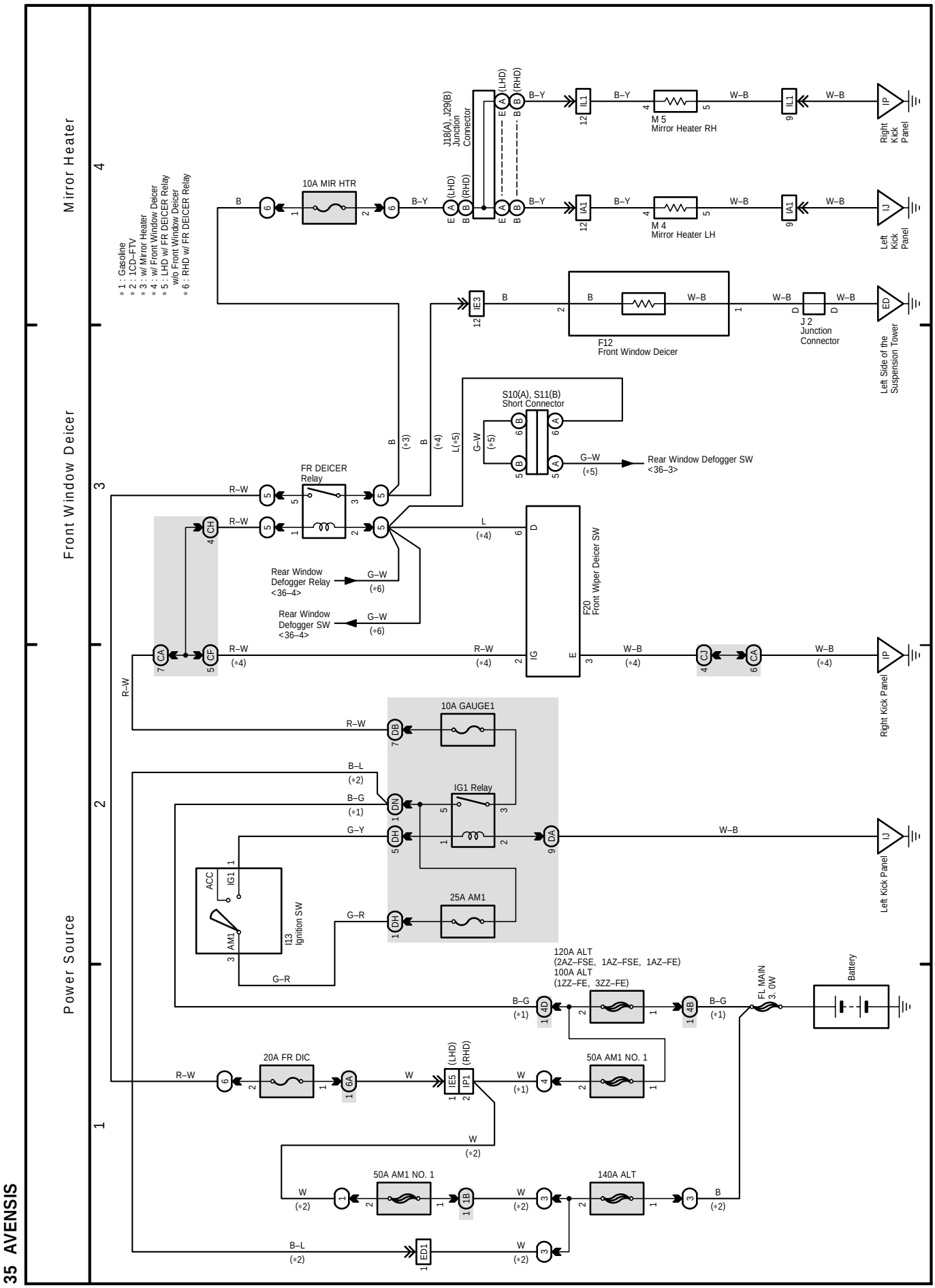

Shift Lock
Moon Roof
Power Source
Stop Light SW
<17–2>
G–W
STP
SLS–
SLS+
Shift Lock Solenoid
S 9
Shift Lock Control ECU
R–W
IG
E
W–B
J17 Junction Connector
J15 Junction Connector
Behind the Combination Meter
(RHD)
(LHD)
Right Kick Panel
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
M 6
Moon Roof Control Relay and Motor
CPU
SC
SO
GND
SPD
PWS
+B
M 7
Moon Roof Control SW
CLS
Close
OPN
Open
Combination Meter<42–3>
L–W
B
V–W
J 8(A), J26(B)
Junction Connector
Multiplex Communication System
<1–19><1–20><2–16><2–17>
7. 5A RAD NO. 1
10A GAUGE1
IG1 Relay
25A DOOR
25A AM1
20A S/ROOF
Integration Relay
ACC
KSW
PCTY
DCTY
P/W
I13
Ignition SW
IG1
AM1
G–Y
G–R
B–G
(*1)
B–L
(*2)
120A ALT (*3)
100A ALT (*4)
140A ALT
FL MAIN
3. 0W
Battery
Left Kick Panel

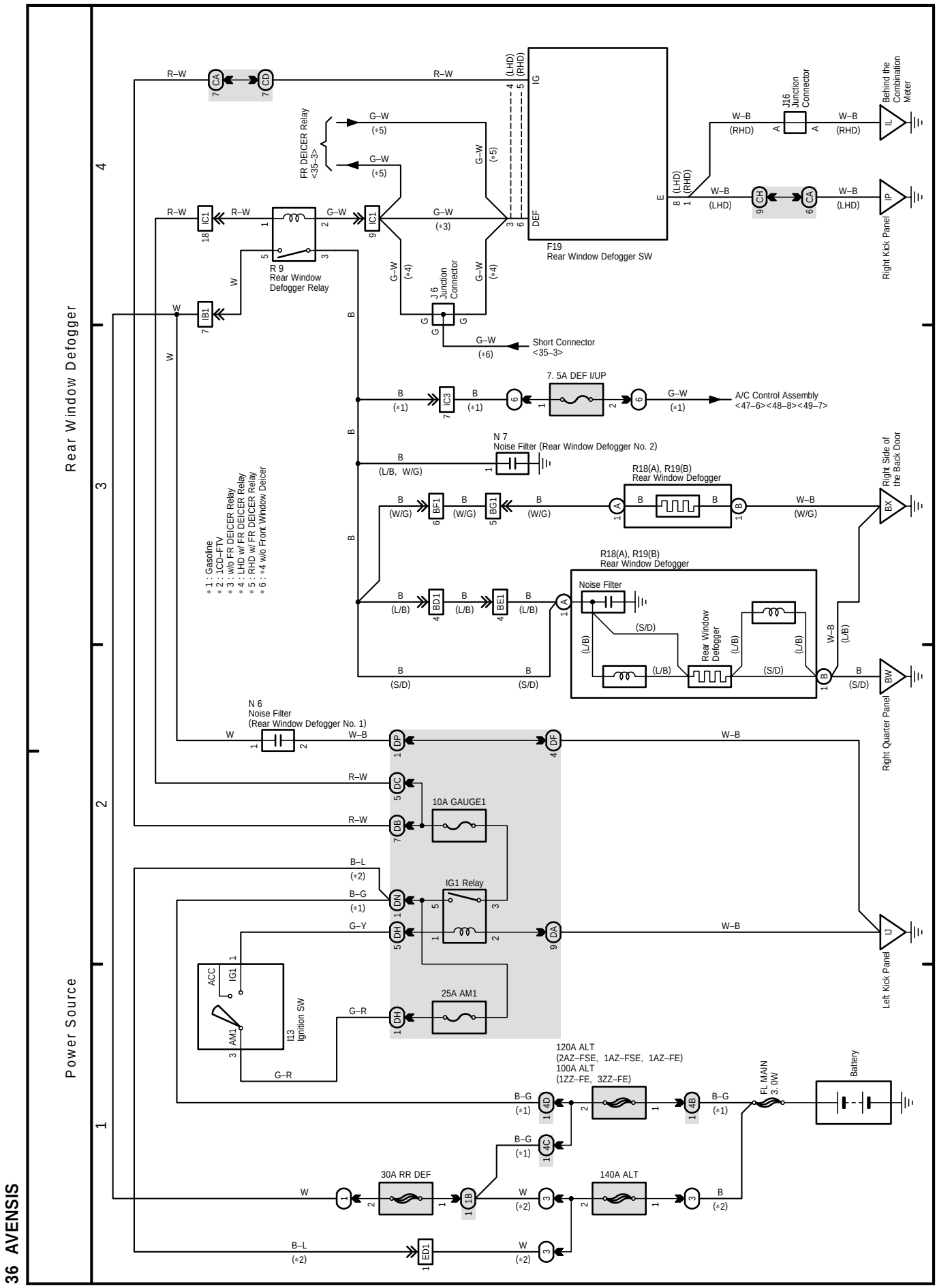

(Cont. next page)
* 1 : w/ Rear Power Window
* 2 : Gasoline
* 3 : 1CD–FTV
* 4 : w/ Moon Roof
* 5 : w/o Moon Roof
Power Window (LHD)
Power Source
33 AVENSIS
D17
Power Window Master SW
P12
Power Window Motor Front LH
20A D–FR P/W
20A P–RR P/W
20A D–RR P/W
20A P–FR P/W
7. 5A RAD NO. 1
10A GAUGE1
25A DOOR
IG1 Relay
25A AM1
Integration Relay
I13
Ignition SW
120A ALT
(2AZ–FSE, 1AZ–FSE, 1AZ–FE)
100A ALT
(1ZZ–FE, 3ZZ–FE)
50A AM1 NO. 1
140A ALT
50A AM1 NO. 1
FL MAIN
3. 0W
Battery
J8(A), J9(B)
Junction Connector
Multiplex Communication System
<1–19><1–20>
Left Kick Panel
IJ

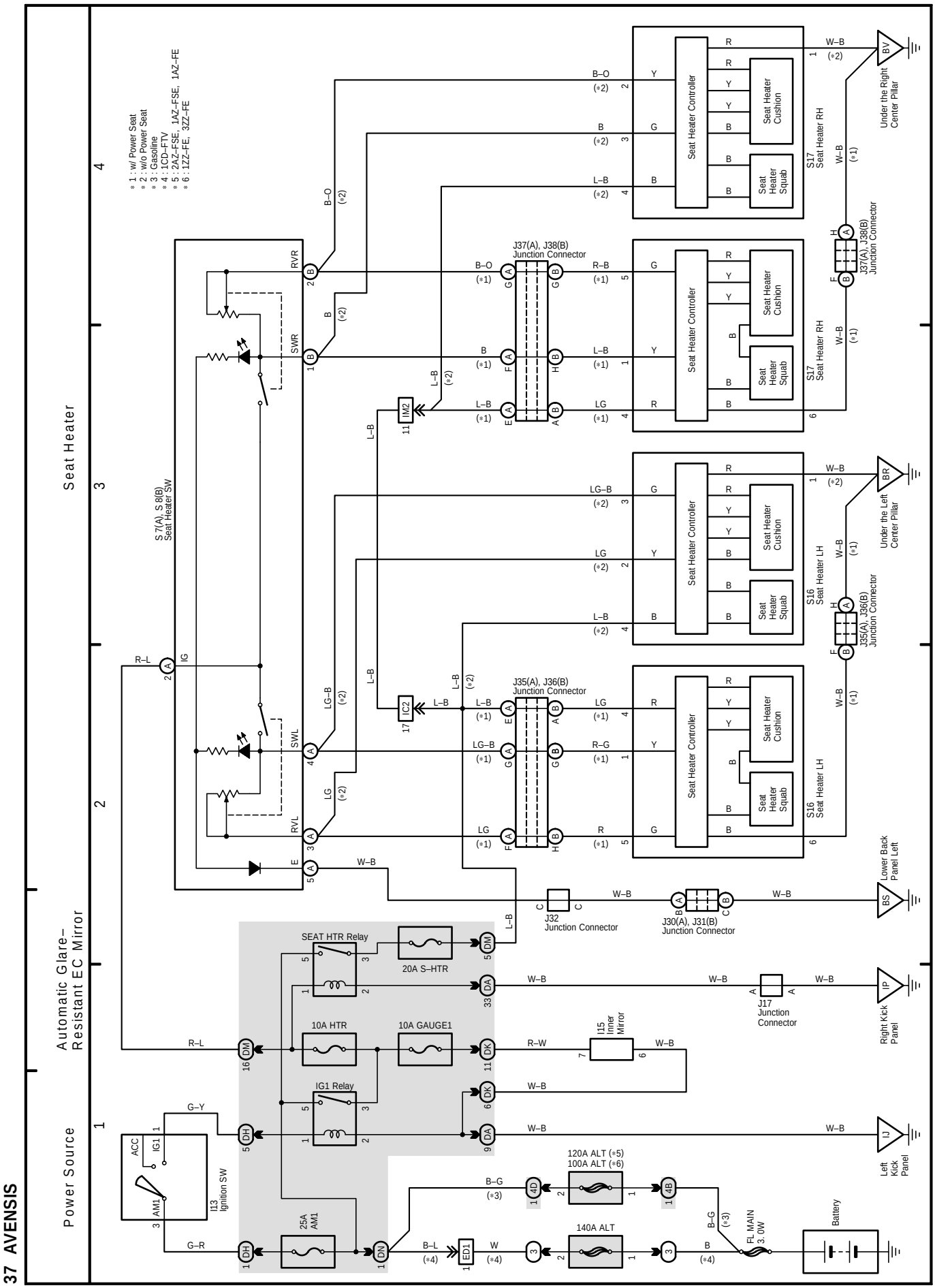

33 AVENSIS (Cont' d)
Power Window (LHD)
* 1 : w/ Rear Power Window
* 6 : w/o Rear Power Window
D17
Power Window Master SW
P15
Power Window Motor Rear RH
P14
Power Window Motor Rear LH
P13
Power Window Motor Front RH
P11
Power Window Control SW
Rear RH
P10
Power Window Control SW
Rear LH
P 9
Power Window Control SW
(Front Passenger Side)
J10(A), J11(B)
Junction
Connector
Under the Right
Center Pillar
Under the Left
Center Pillar
Right Kick
Panel
RRD
RRU
RRA
RLD
RLU
RLA
WL
FRA
FRD
FRU
DOWN
UP
AUTO
WL
E

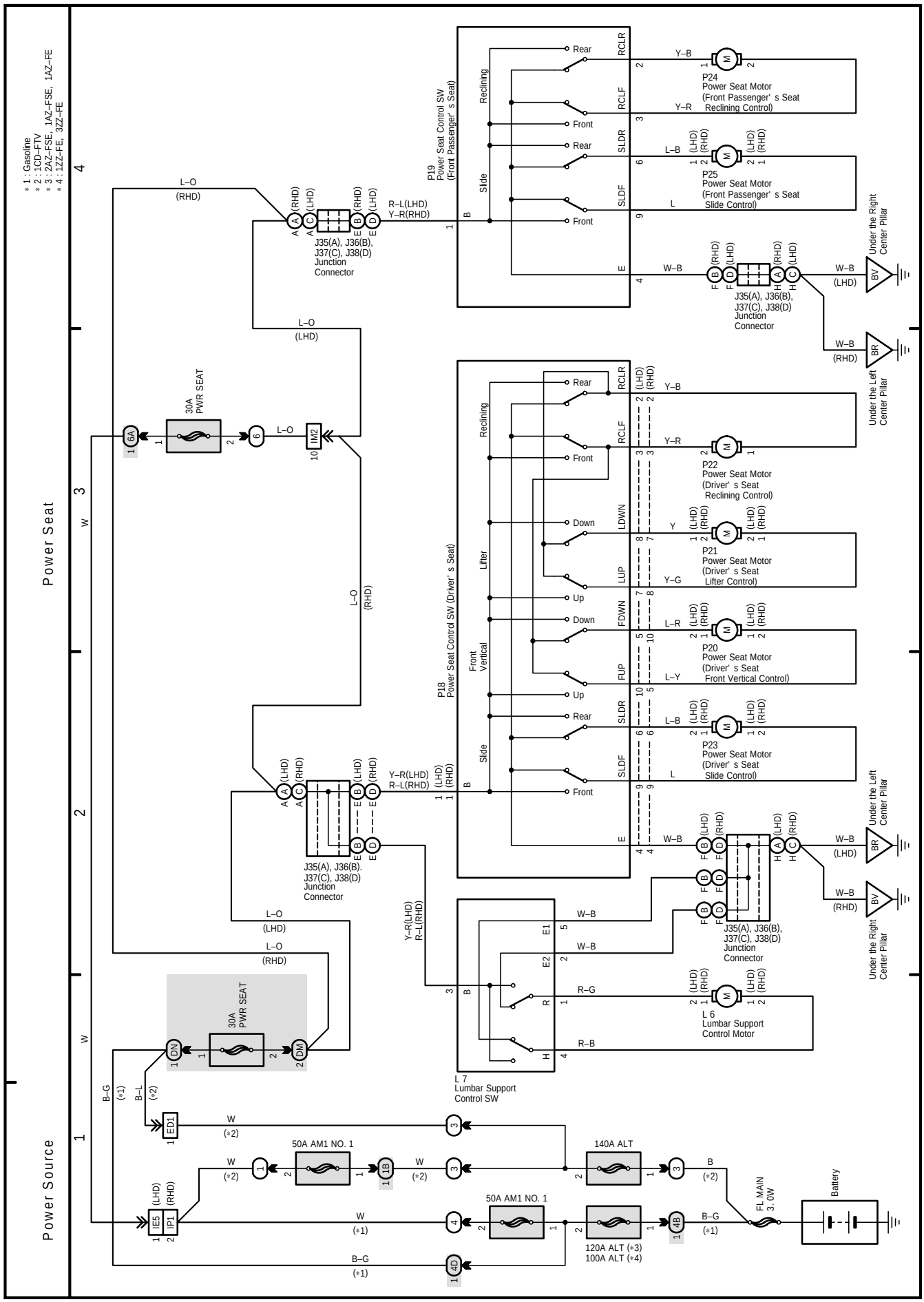

(Cont. next page)
* 1 : w/ Rear Power Window
* 2 : Gasoline
* 3 : 1CD–FTV
* 4 : w/ Moon Roof
* 5 : w/o Moon Roof
Power Window (RHD)
Power Source
D17
Power Window Master SW
P13
Power Window Motor Front RH
Right Kick Panel
Left Kick Panel
20A P–FR P/W
20A P–RR P/W
20A D–RR P/W
20A D–FR P/W
7. 5A RAD NO. 1
10A GAUGE1
25A DOOR
25A AM1
IG1 Relay
Integration Relay
I13
Ignition SW
J26(A), J27(B)
Junction Connector
Multiplex Communication System
<2–16><2–17>
120A ALT
(2AZ–FSE, 1AZ–FSE, 1AZ–FE)
100A ALT
(1ZZ–FE, 3ZZ–FE)
50A AM1 NO. 1
140A ALT
FL MAIN
3. 0W
Battery
34 AVENSIS

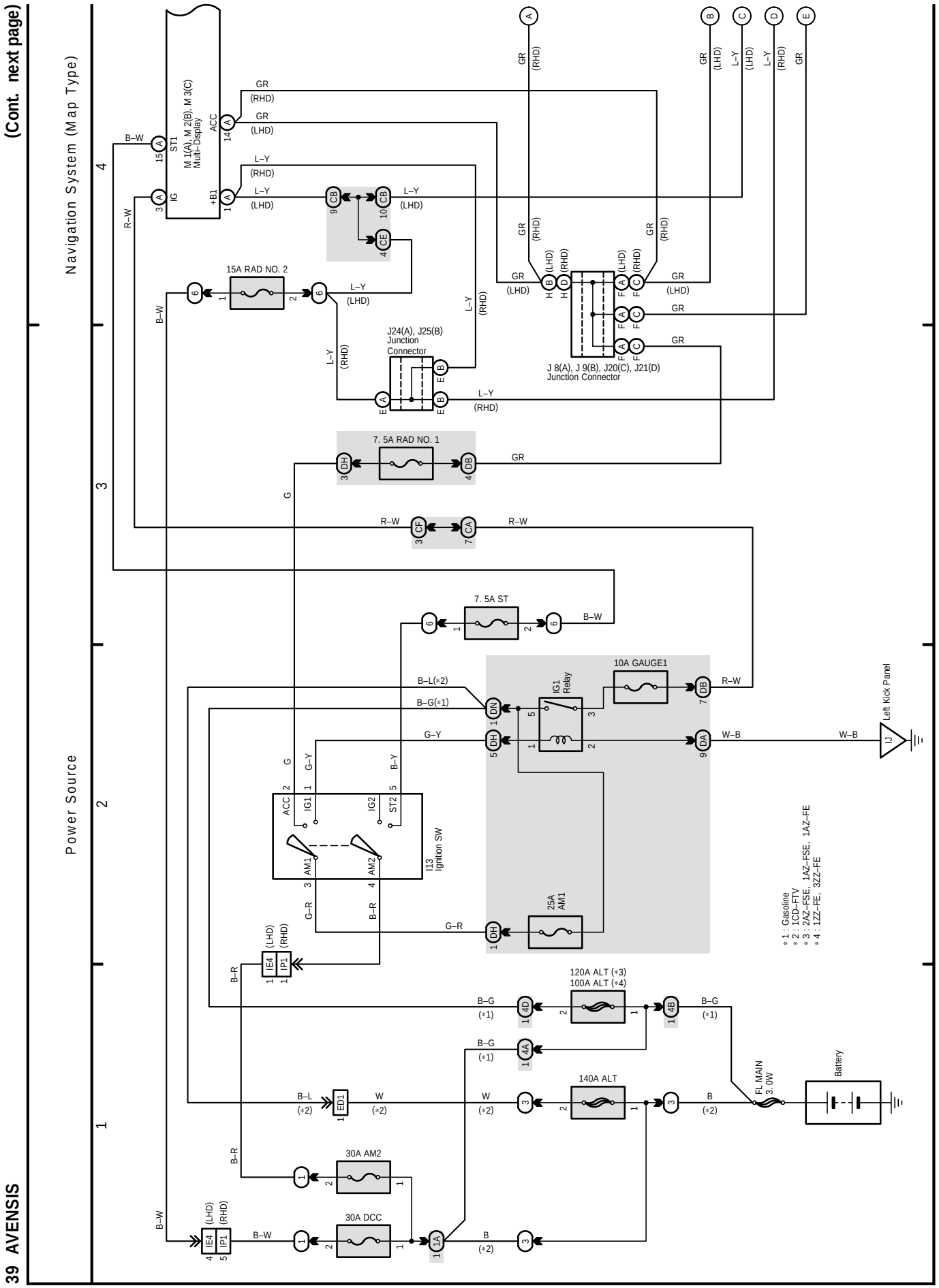

34 AVENSIS (Cont' d)
Power Window (RHD)
*1 : w/ Rear Power Window
*6 : w/o Rear Power Window
D17
Power Window Master SW
P15
Power Window Motor Rear RH
P14
Power Window Motor Rear LH
P12
Power Window Motor Front LH
P11
Power Window Control SW
Rear RH
P10
Power Window Control
SW Rear LH
P 9
Power Window Control SW
(Front Passenger Side)
Under the Right
Center Pillar
Under the Left
Center Pillar
Left Kick
Panel
DOWN
UP
AUTO
WL
E


Mirror Heater
Front Window Deicer
Power Source
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : w/ Mirror Heater
* 4 : w/ Front Window Deicer
* 5 : LHD w/ FR DEICER Relay w/o Front Window Deicer
* 6 : RHD w/ FR DEICER Relay
10A MIR HTR
J18(A), J29(B) Junction Connector
M 5 Mirror Heater RH
M 4 Mirror Heater LH
Right Kick Panel
Left Kick Panel
F12 Front Window Deicer
J 2 Junction Connector
Left Side of the Suspension Tower
S10(A), S11(B) Short Connector
Rear Window Defogger SW <36–3>
FR DEICER Relay
Rear Window Defogger Relay <36–4>
Rear Window Defogger SW <36–4>
F20 Front Wiper Deicer SW
10A GAUGE1
IG1 Relay
25A AM1
I13 Ignition SW
120A ALT (2AZ–FSE, 1AZ–FSE, 1AZ–FE) 100A ALT (1ZZ–FE, 3ZZ–FE)
FL MAIN 3. 0W
Battery
20A FR DIC
50A AM1 NO. 1
50A AM1 NO. 1
140A ALT

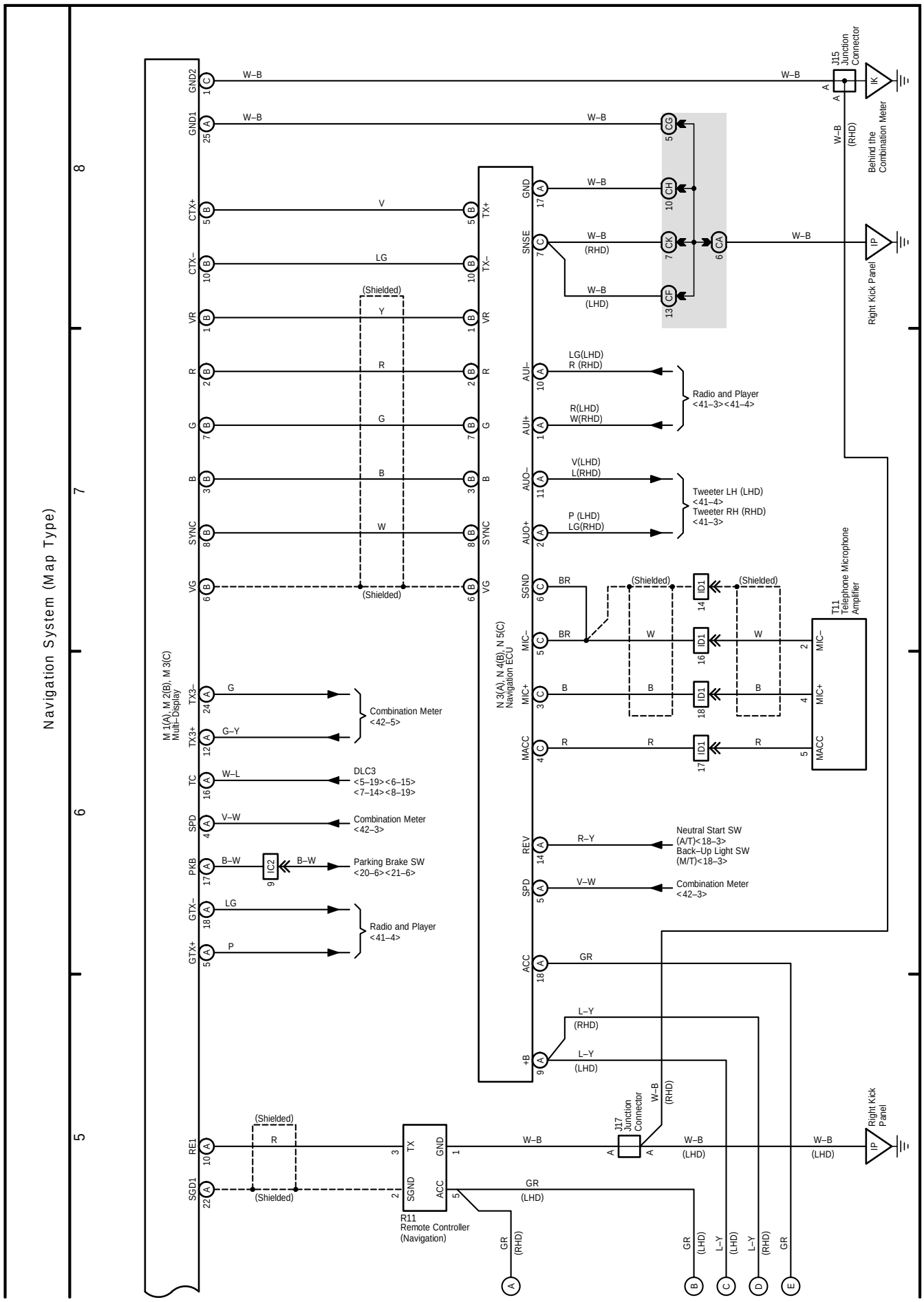

Rear Window Defogger
Power Source
R–W
G–W
W–B
B–L
B–G
G–Y
G–R
W
B
(LHD)
(RHD)
(LHD, RHD)
(*1)
(*2)
(*3)
(*4)
(*5)
(*6)
(L/B, W/G)
(W/G)
(L/B)
(S/D)
FR DEICER Relay
<35–3>
R 9
Rear Window
Defogger Relay
F19
Rear Window Defogger SW
J 6
Junction
Connector
Short Connector
<35–3>
7. 5A DEF I/UP
A/C Control Assembly
<47–6><48–8><49–7>
N 7
Noise Filter (Rear Window Defogger No. 2)
R18(A), R19(B)
Rear Window Defogger
Right Side of
the Back Door
N 6
Noise Filter
(Rear Window Defogger No. 1)
Noise Filter
Rear Window
Defogger
Right Quarter Panel
10A GAUGE1
IG1 Relay
25A AM1
I13
Ignition SW
ACC
IG1
AM1
Left Kick Panel
120A ALT
(2AZ–FSE, 1AZ–FSE, 1AZ–FE)
100A ALT
(1ZZ–FE, 3ZZ–FE)
FL MAIN
3. 0W
Battery
30A RR DEF
140A ALT
J16
Junction
Connector
Behind the
Combination
Meter
Right Kick Panel
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : w/o FR DEICER Relay
* 4 : LHD w/ FR DEICER Relay
* 5 : RHD w/ FR DEICER Relay
* 6 : *4 w/o Front Window Deicer

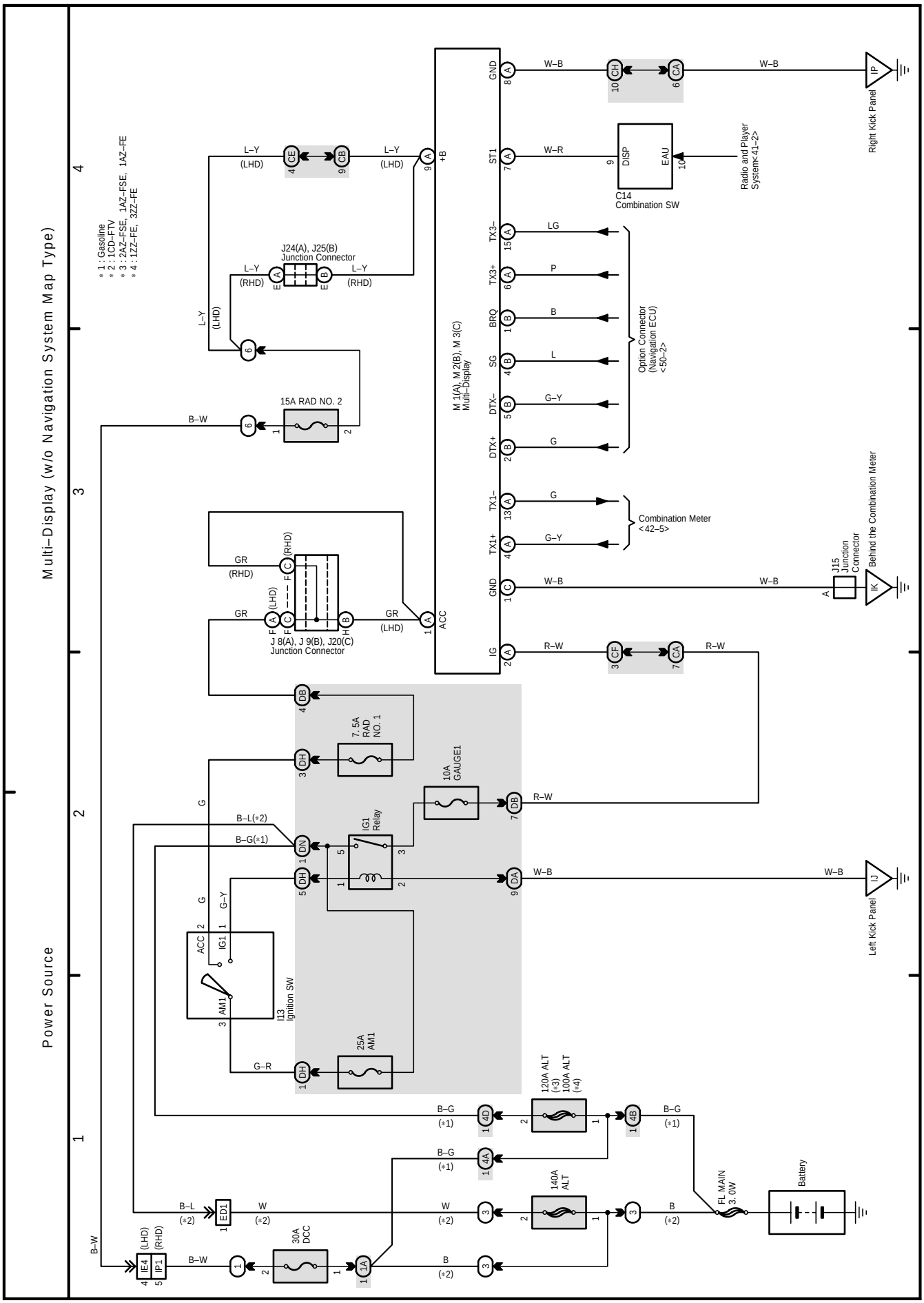

37 AVENSIS
Power Source
Automatic Glare–Resistant EC Mirror
Seat Heater
* 1 : w/ Power Seat
* 2 : w/o Power Seat
* 3 : Gasoline
* 4 : 1CD–FTV
* 5 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 6 : 1ZZ–FE, 3ZZ–FE
S 7(A), S 8(B) Seat Heater SW
I13 Ignition SW
ACC
IG1
AM1
IG
SWR
SWL
RVR
RVL
E
SEAT HTR Relay
IG1 Relay
10A HTR
10A GAUGE1
20A S–HTR
25A AM1
120A ALT (*5) 100A ALT (*6)
140A ALT
Battery
FL MAIN 3. 0W
IM2
IC2
J37(A), J38(B) Junction Connector
J35(A), J36(B) Junction Connector
J32 Junction Connector
J30(A), J31(B) Junction Connector
J17 Junction Connector
I15 Inner Mirror
ED1
Seat Heater Controller
Seat Heater Cushion
Seat Heater Squab
S17 Seat Heater RH
S16 Seat Heater LH
Under the Right Center Pillar
Under the Left Center Pillar
Lower Back Panel Left
Right Kick Panel
Left Kick Panel
BV
BR
BS
IP
IJ

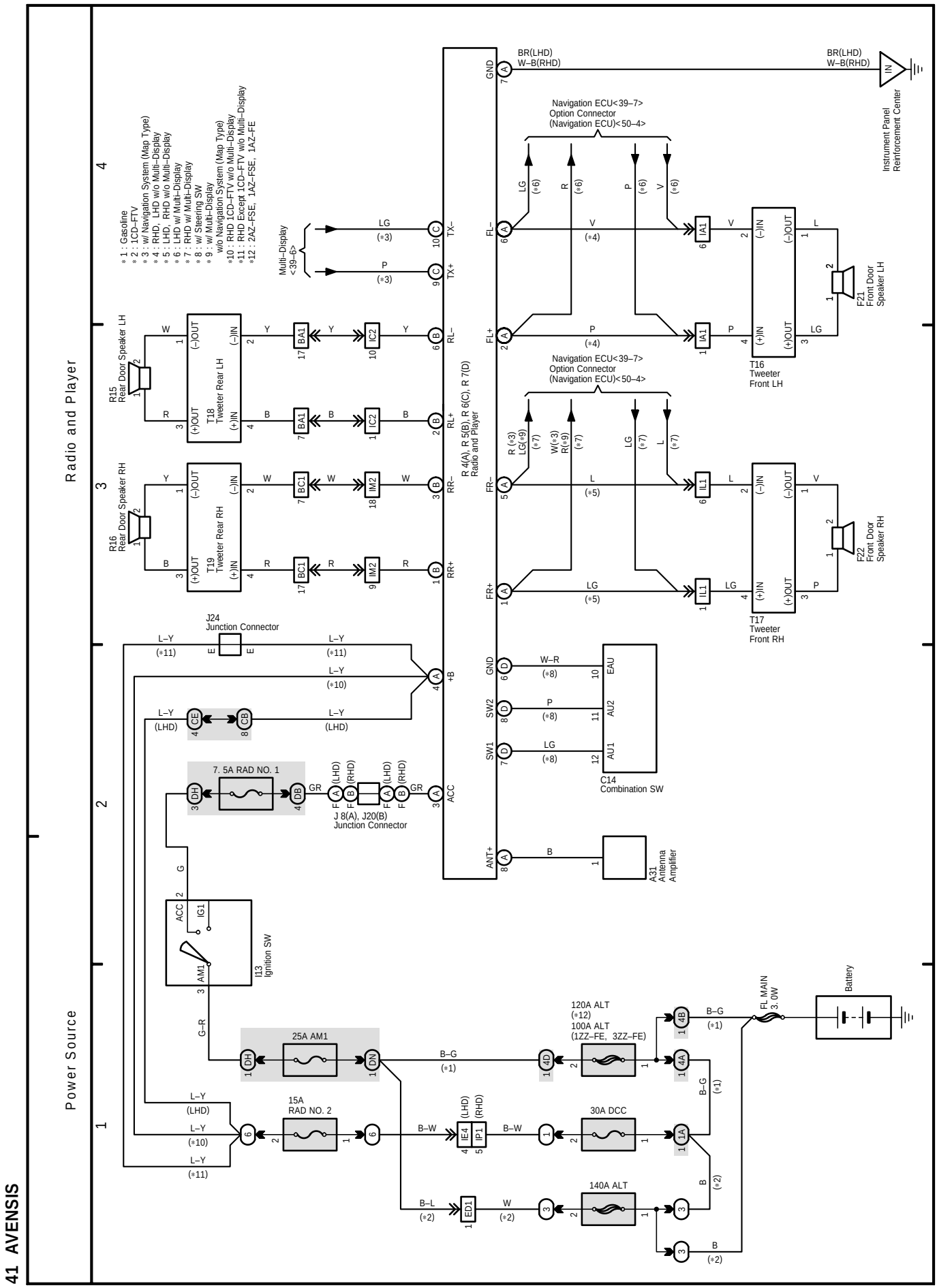

38 AVENSIS
Power Source
Power Seat
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
P19
Power Seat Control SW
(Front Passenger' s Seat)
P18
Power Seat Control SW (Driver' s Seat)
P24
Power Seat Motor
(Front Passenger' s Seat
Reclining Control)
P25
Power Seat Motor
(Front Passenger' s Seat
Slide Control)
P22
Power Seat Motor
(Driver' s Seat
Reclining Control)
P21
Power Seat Motor
(Driver' s Seat
Lifter Control)
P20
Power Seat Motor
(Driver' s Seat
Front Vertical Control)
P23
Power Seat Motor
(Driver' s Seat
Slide Control)
L 6
Lumbar Support
Control Motor
L 7
Lumbar Support
Control SW
J35(A), J36(B),
J37(C), J38(D)
Junction
Connector
30A
PWR SEAT
50A AM1 NO. 1
140A ALT
120A ALT (*3)
100A ALT (*4)
FL MAIN
3. 0W
Battery
Under the Right
Center Pillar
Under the Left
Center Pillar
Reclining
Slide
Lifter
Front
Vertical
Rear
Front
Down
Up
L–O
(RHD)
L–O
(LHD)
R–L(LHD)
Y–R(RHD)
Y–R(LHD)
R–L(RHD)
W–B
(LHD)
W–B
(RHD)
B–G
(*1)
B–L
(*2)
W
(*2)
W
(*1)
B–G
(*1)
B
(*2)

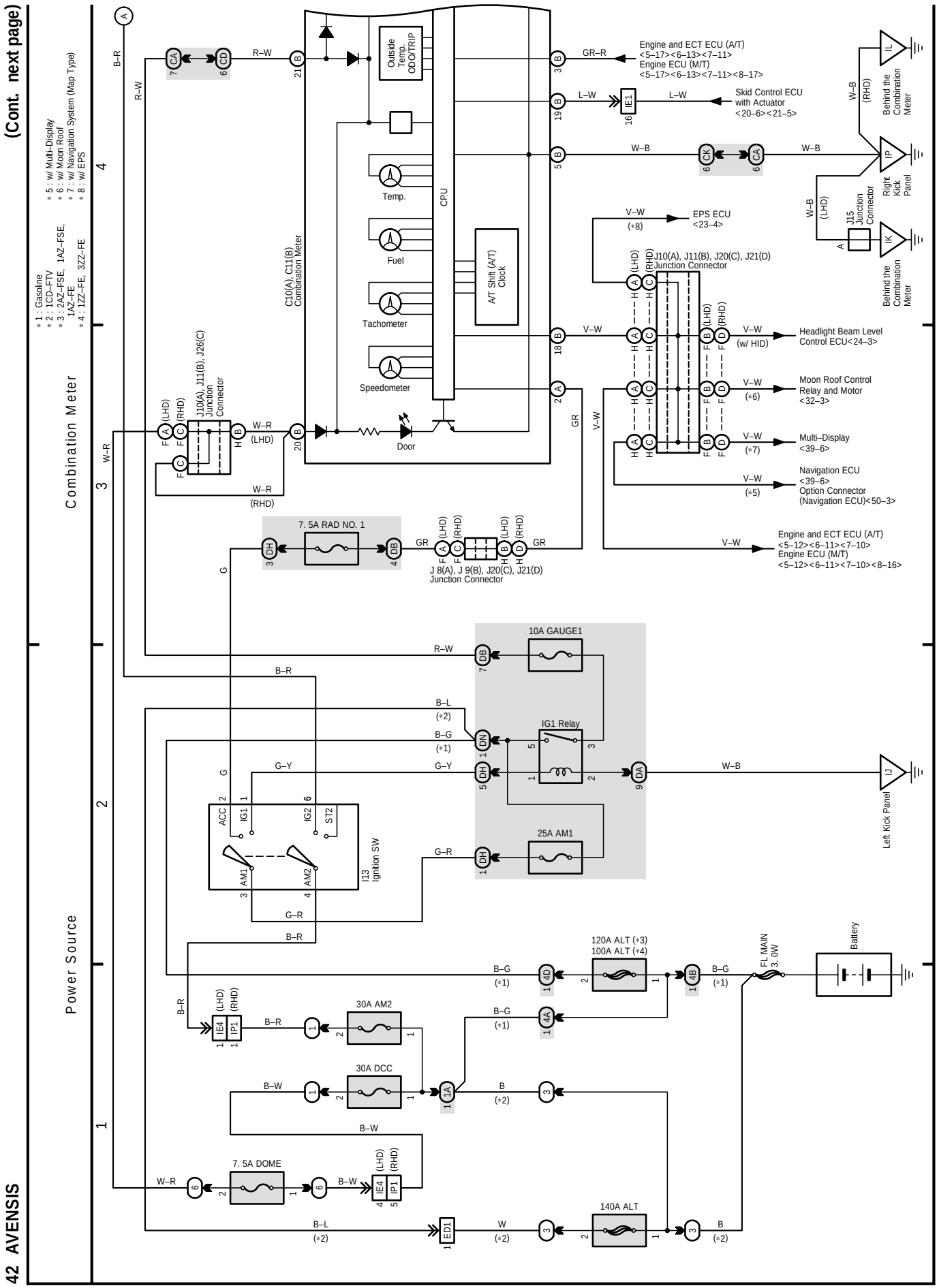

(Cont. next page)
Navigation System (Map Type)
Power Source
39 AVENSIS
M 1(A), M 2(B), M 3(C)
Multi–Display
ST1
IG
ACC
+B1
15A RAD NO. 2
7. 5A RAD NO. 1
7. 5A ST
J24(A), J25(B)
Junction
Connector
J 8(A), J 9(B), J20(C), J21(D)
Junction Connector
10A GAUGE1
IG1
Relay
I13
Ignition SW
25A
AM1
30A AM2
30A DCC
120A ALT (*3)
100A ALT (*4)
140A ALT
FL MAIN
3. 0W
Battery
Left Kick Panel
IJ
IE4
IP1
ED1
(LHD)
(RHD)
*1 : Gasoline
*2 : 1CD–FTV
*3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
*4 : 1ZZ–FE, 3ZZ–FE

39 AVENSIS (Cont' d)



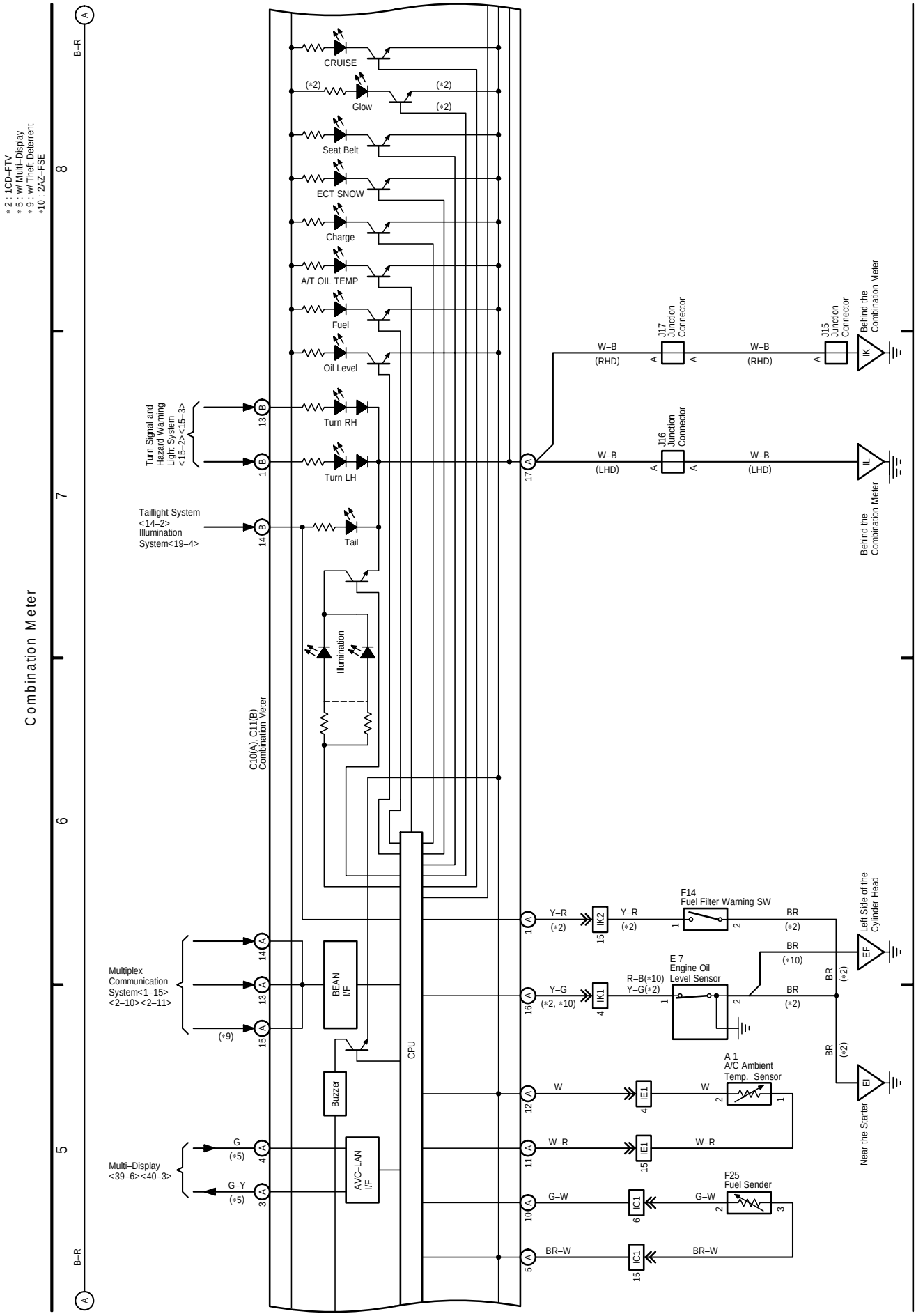

Multi–Display (w/o Navigation System Map Type)
Power Source
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
M 1(A), M 2(B), M 3(C)
Multi–Display
GND
ST1
+B
ACC
IG
TX3–
TX3+
BRQ
SG
DTX–
DTX+
TX1–
TX1+
Option Connector
(Navigation ECU)
<50–2>
Combination Meter
<42–5>
C14
Combination SW
DISP
EAU
Radio and Player
System<41–2>
Right Kick Panel
Left Kick Panel
J15
Junction
Connector
Behind the Combination Meter
J24(A), J25(B)
Junction Connector
J 8(A), J 9(B), J20(C)
Junction Connector
15A RAD NO. 2
7.5A
RAD
NO. 1
10A
GAUGE1
IG1
Relay
I13
Ignition SW
25A
AM1
120A ALT
(*3)
100A ALT
(*4)
140A
ALT
30A
DCC
FL MAIN
3.0W
Battery
IE4
IP1
ED1
(LHD)
(RHD)
L–Y
W–B
W–R
LG
P
B
L
G–Y
G
R–W
B–L(*2)
B–G(*1)
G–Y
G–R
B–G
B–L
W
B
(*1)
(*2)
(*3)
(*4)

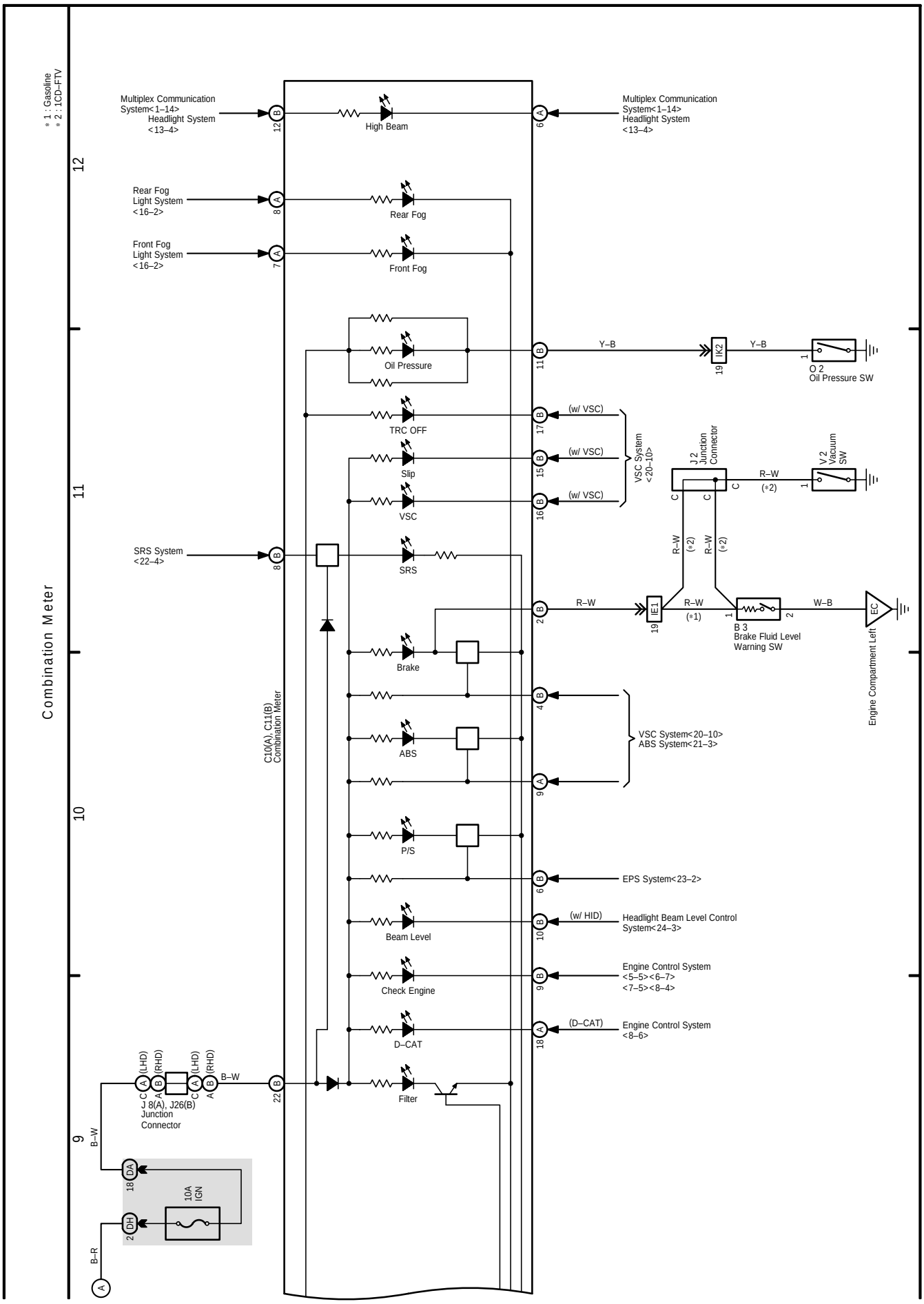

41 AVENSIS
Power Source
Radio and Player
1
2
3
4
*1 : Gasoline
*2 : 1CD–FTV
*3 : w/ Navigation System (Map Type)
*4 : RHD, LHD w/o Multi–Display
*5 : LHD, RHD w/o Multi–Display
*6 : LHD w/ Multi–Display
*7 : RHD w/ Multi–Display
*8 : w/ Steering SW
*9 : w/ Multi–Display
w/o Navigation System (Map Type)
*10 : RHD 1CD–FTV w/o Multi–Display
*11 : RHD Except 1CD–FTV w/o Multi–Display
*12 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
Multi–Display <39–6>
R15 Rear Door Speaker LH
R16 Rear Door Speaker RH
T18 Tweeter Rear LH
T19 Tweeter Rear RH
J24 Junction Connector
7. 5A RAD NO. 1
J 8(A), J20(B) Junction Connector
I13 Ignition SW
25A AM1
15A RAD NO. 2
120A ALT (*12) 100A ALT (1ZZ–FE, 3ZZ–FE)
30A DCC
140A ALT
FL MAIN 3. 0W
Battery
R 4(A), R 5(B), R 6(C), R 7(D) Radio and Player
Navigation ECU<39–7> Option Connector (Navigation ECU)<50–4>
T16 Tweeter Front LH
T17 Tweeter Front RH
F21 Front Door Speaker LH
F22 Front Door Speaker RH
C14 Combination SW
A31 Antenna Amplifier
BR(LHD) W–B(RHD)
Instrument Panel Reinforcement Center

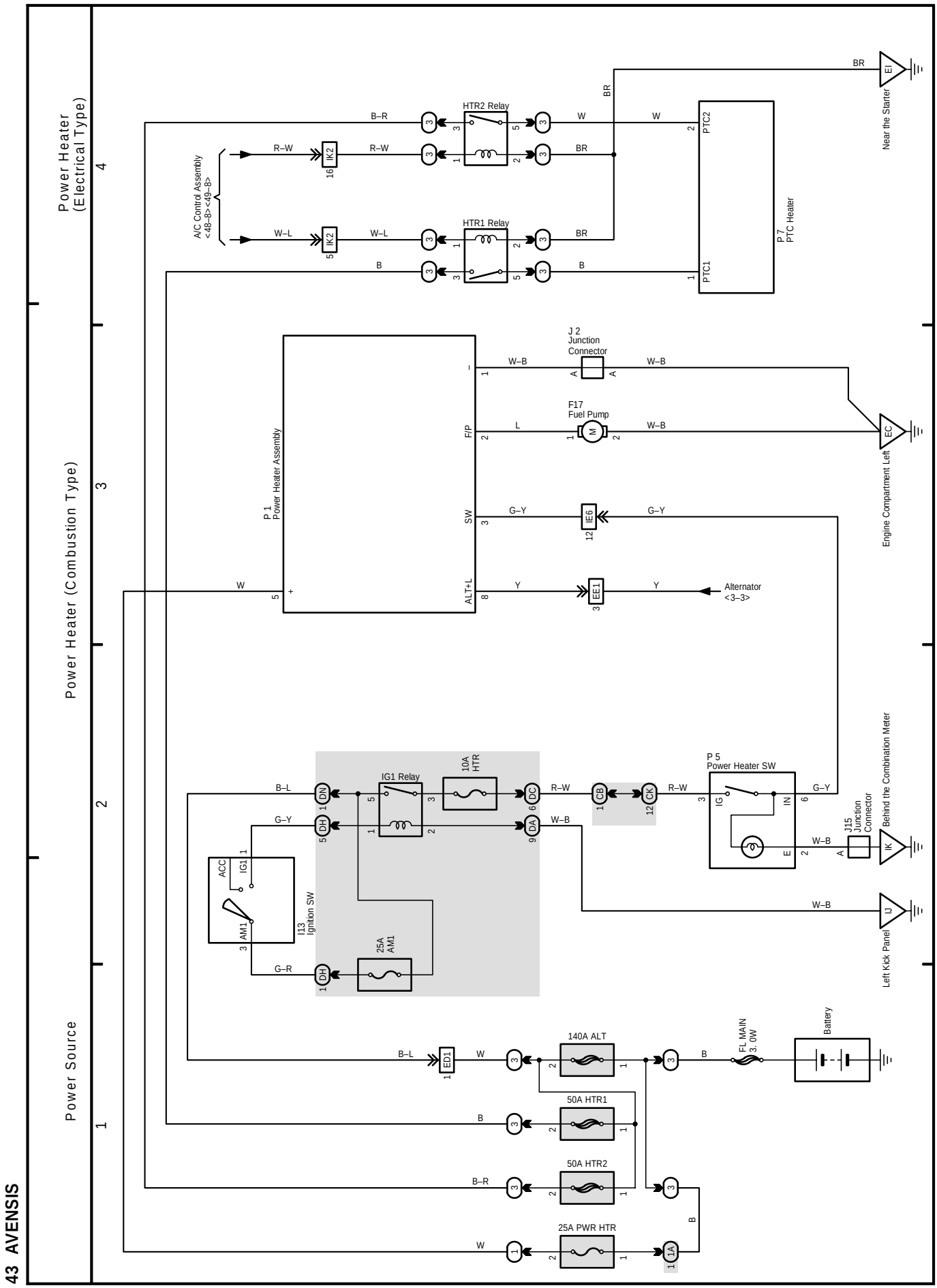

(Cont. next page)
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : w/ Multi–Display
* 6 : w/ Moon Roof
* 7 : w/ Navigation System (Map Type)
* 8 : w/ EPS
Combination Meter
Power Source
Outside Temp. ODO/TRIP
Temp.
Fuel
Tachometer
Speedometer
Door
CPU
A/T Shift (A/T) Clock
C10(A), C11(B) Combination Meter
Engine and ECT ECU (A/T) <5–17><6–13><7–11> Engine ECU (M/T) <5–17><6–13><7–11><8–17>
Skid Control ECU with Actuator <20–6><21–5>
EPS ECU <23–4>
J10(A), J11(B), J20(C), J21(D) Junction Connector
Headlight Beam Level Control ECU<24–3>
(w/ HID)
Moon Roof Control Relay and Motor <32–3>
Multi–Display <39–6>
Navigation ECU <39–6>
Option Connector (Navigation ECU)<50–3>
Engine and ECT ECU (A/T) <5–12><6–11><7–10> Engine ECU (M/T) <5–12><6–11><7–10><8–16>
J 8(A), J 9(B), J20(C), J21(D) Junction Connector
J10(A), J11(B), J26(C) Junction Connector
7. 5A RAD NO. 1
10A GAUGE1
IG1 Relay
25A AM1
I13 Ignition SW
120A ALT (*3) 100A ALT (*4)
30A AM2
30A DCC
7. 5A DOME
140A ALT
FL MAIN 3. 0W
Battery
Behind the Combination Meter
Right Kick Panel
J15 Junction Connector
Left Kick Panel

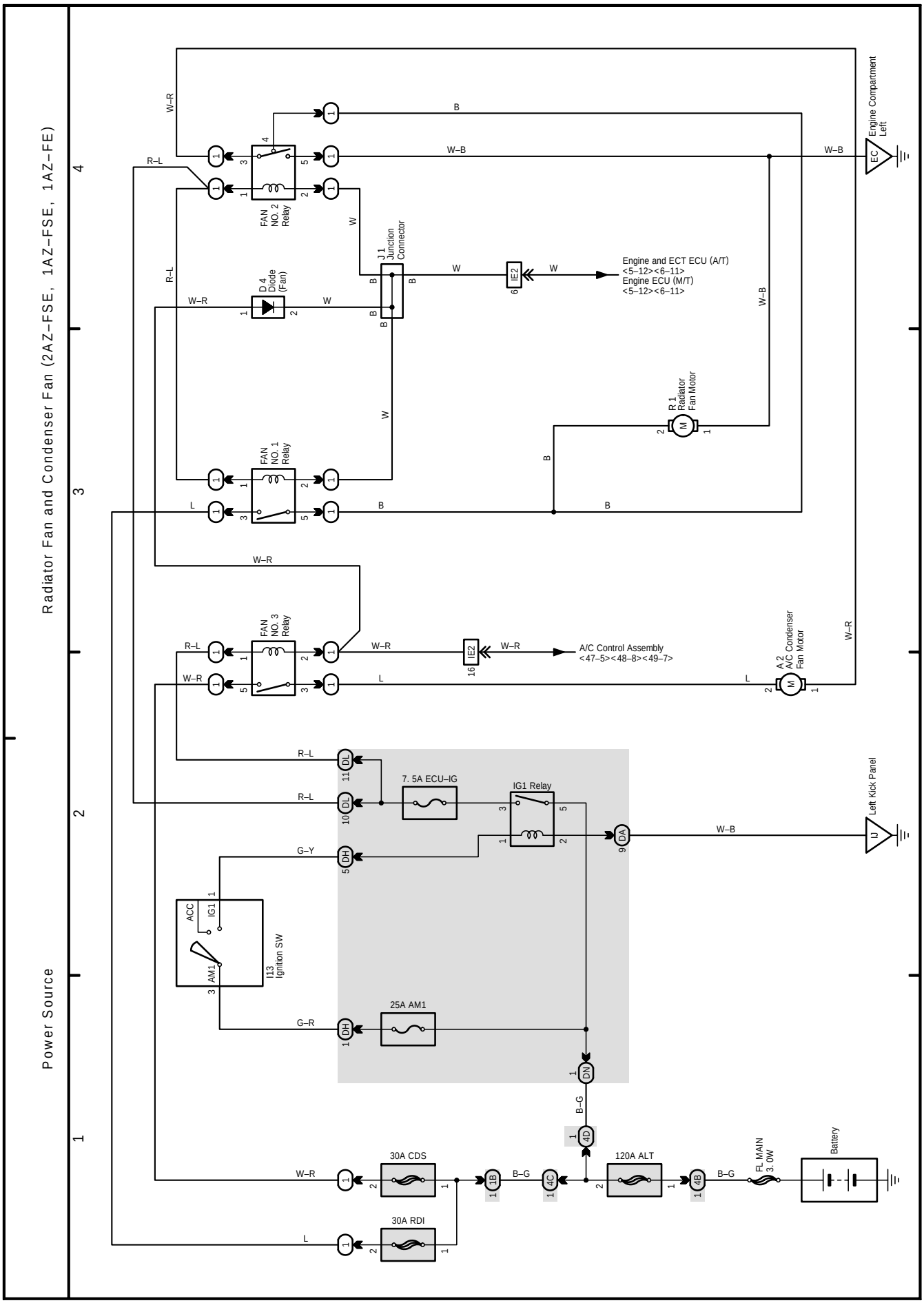
42 AVENSIS (Cont' d)

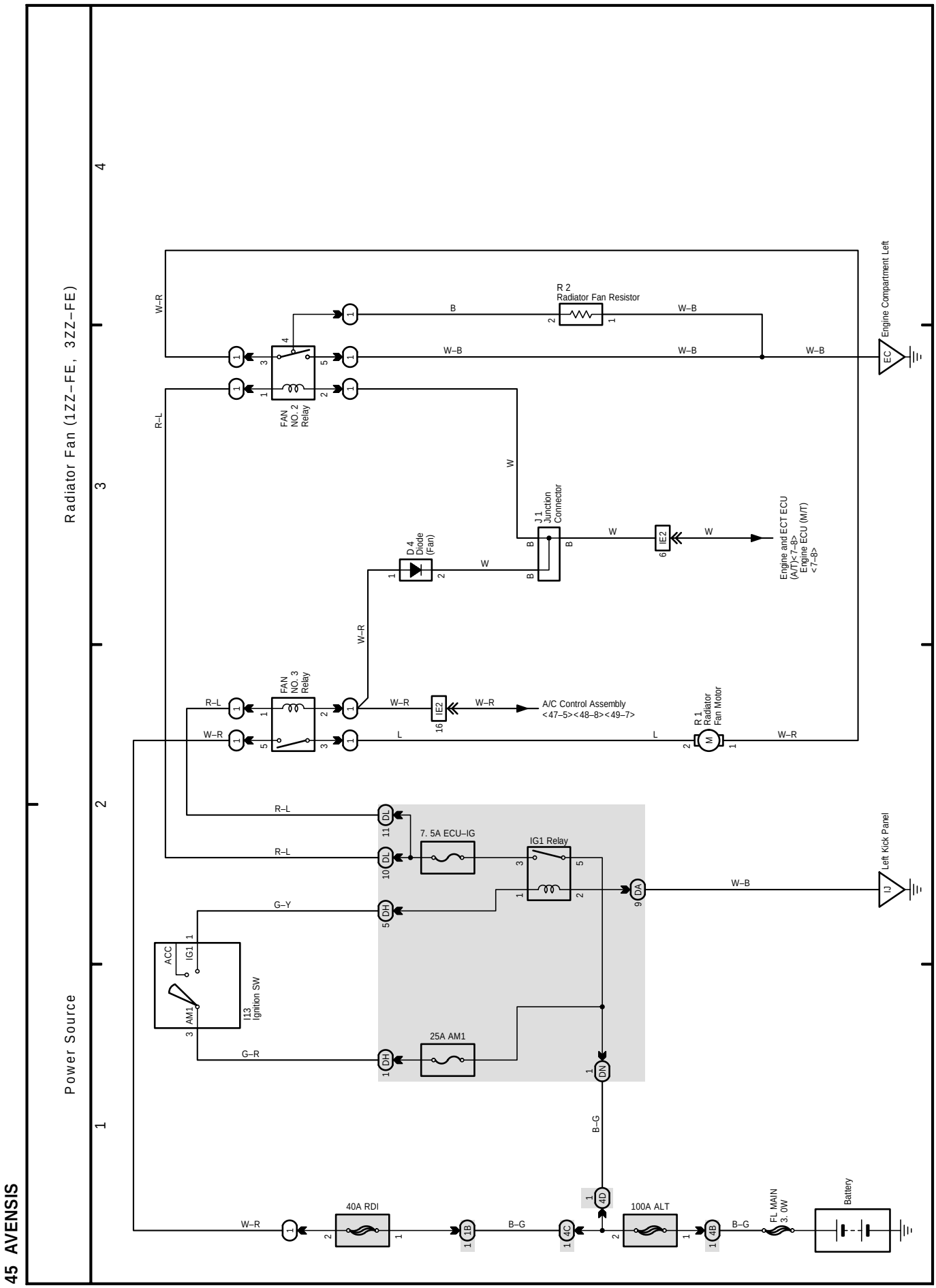
(Cont. next page)

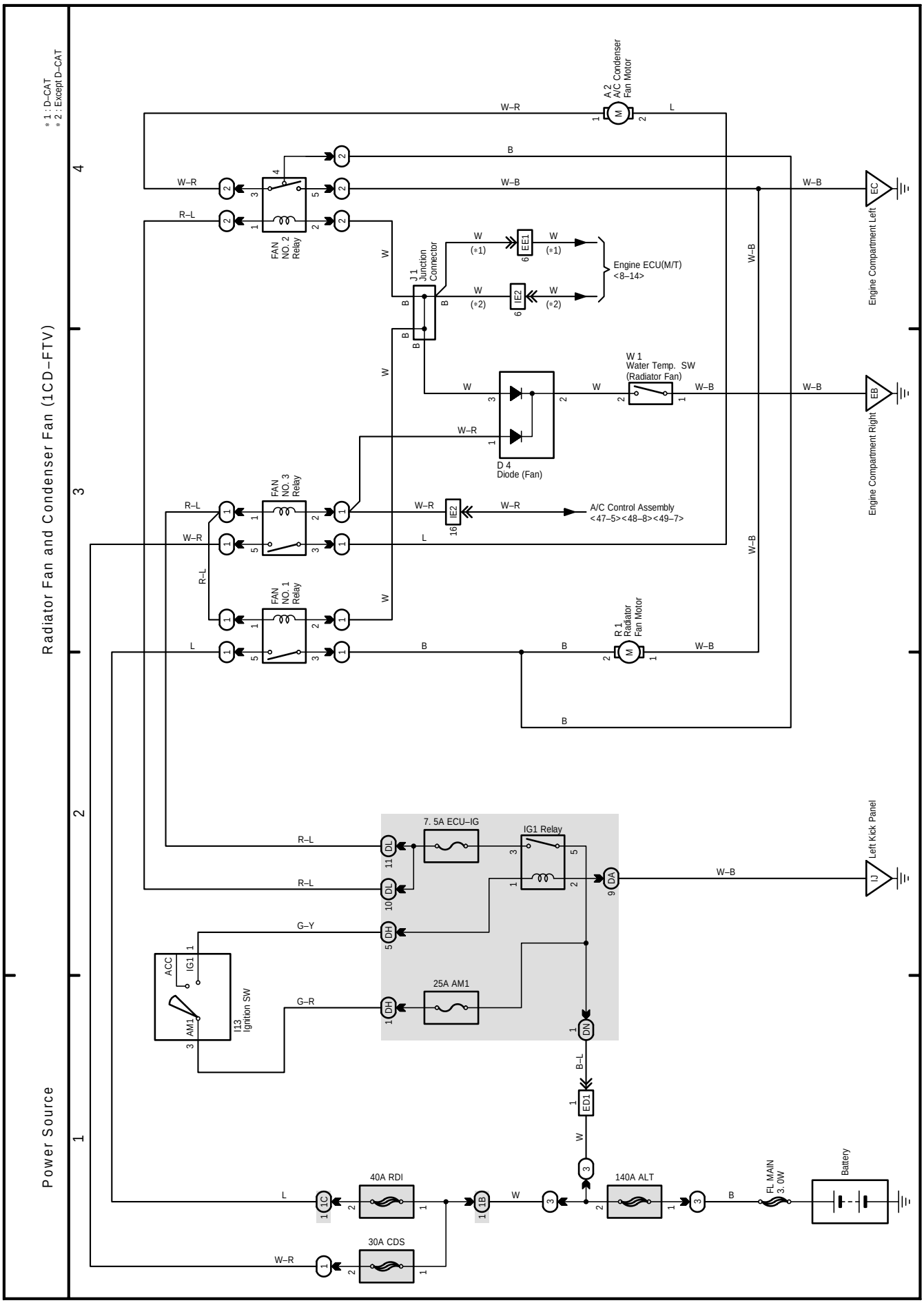


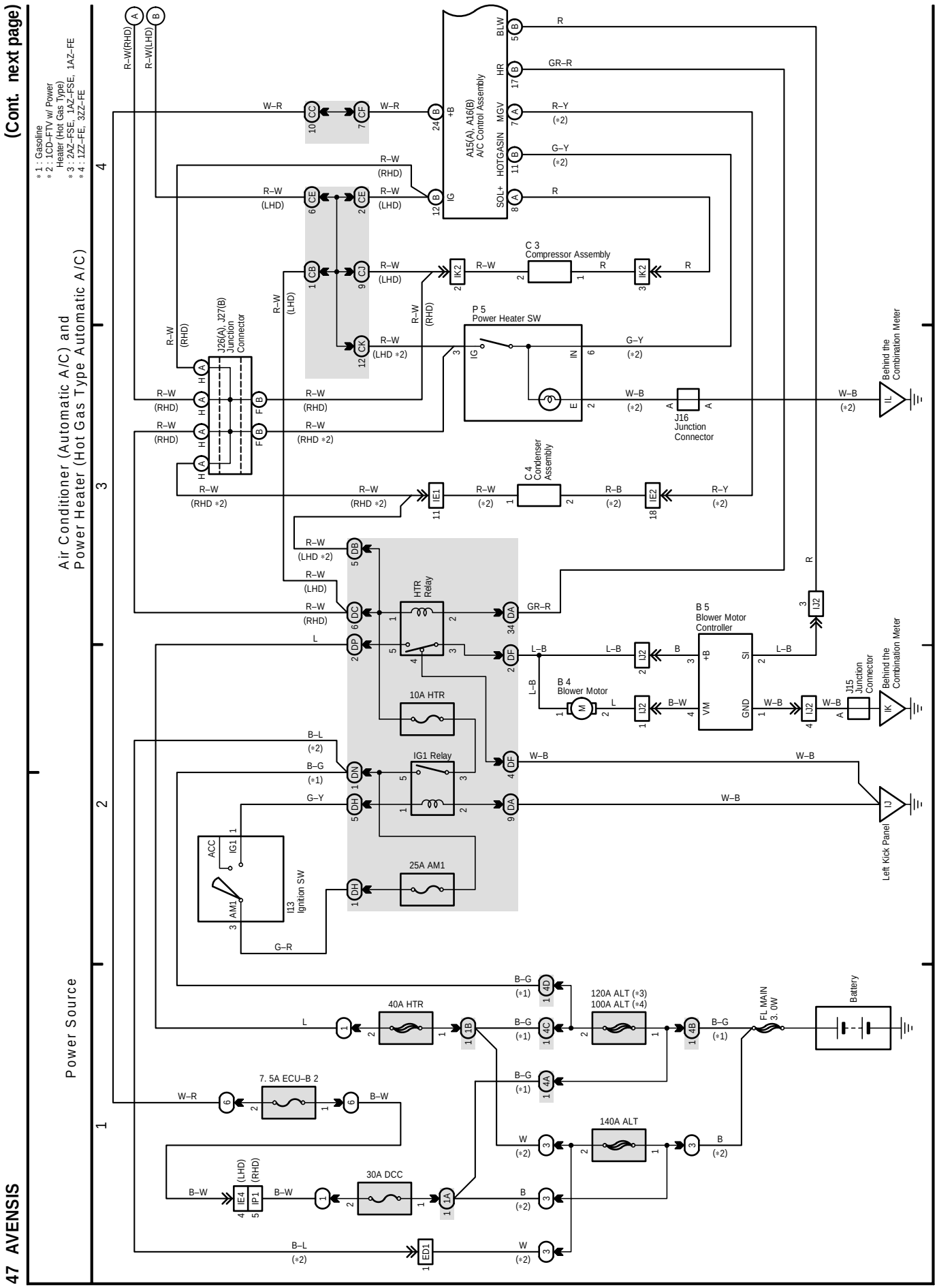

*1 : Gasoline
*2 : 1CD–FTV
Combination Meter
Multiplex Communication System<1–14>
Headlight System <13–4>
High Beam
Rear Fog Light System <16–2>
Rear Fog
Front Fog Light System <16–2>
Front Fog
Oil Pressure
Y–B
IK2
O 2
Oil Pressure SW
TRC OFF
Slip
VSC
(w/ VSC)
VSC System <20–10>
J 2 Junction Connector
V 2 Vacuum SW
R–W
(*2)
SRS System <22–4>
SRS
IE1
(*1)
B 3
Brake Fluid Level Warning SW
W–B
EC
Engine Compartment Left
Brake
ABS
VSC System<20–10>
ABS System<21–3>
C10(A), C11(B)
Combination Meter
P/S
EPS System<23–2>
(w/ HID)
Headlight Beam Level Control System<24–3>
Beam Level
Check Engine
Engine Control System <5–5><6–7> <7–5><8–4>
D–CAT
(D–CAT)
Engine Control System <8–6>
Filter
(LHD)
(RHD)
B–W
J 8(A), J26(B) Junction Connector
10A IGN
B–R
42 AVENSIS (Cont' d)


Power Heater (Electrical Type)
Power Heater (Combustion Type)
Power Source
1
2
3
4
HTR2 Relay
HTR1 Relay
A/C Control Assembly <48–8><49–8>
P 7 PTC Heater
PTC2
PTC1
Near the Starter
J 2 Junction Connector
F17 Fuel Pump
P 1 Power Heater Assembly
Engine Compartment Left
Alternator <3–3>
IG1 Relay
10A HTR
P 5 Power Heater SW
J15 Junction Connector
Behind the Combination Meter
Left Kick Panel
113 Ignition SW
25A AM1
140A ALT
FL MAIN 3. 0W
Battery
50A HTR1
50A HTR2
25A PWR HTR

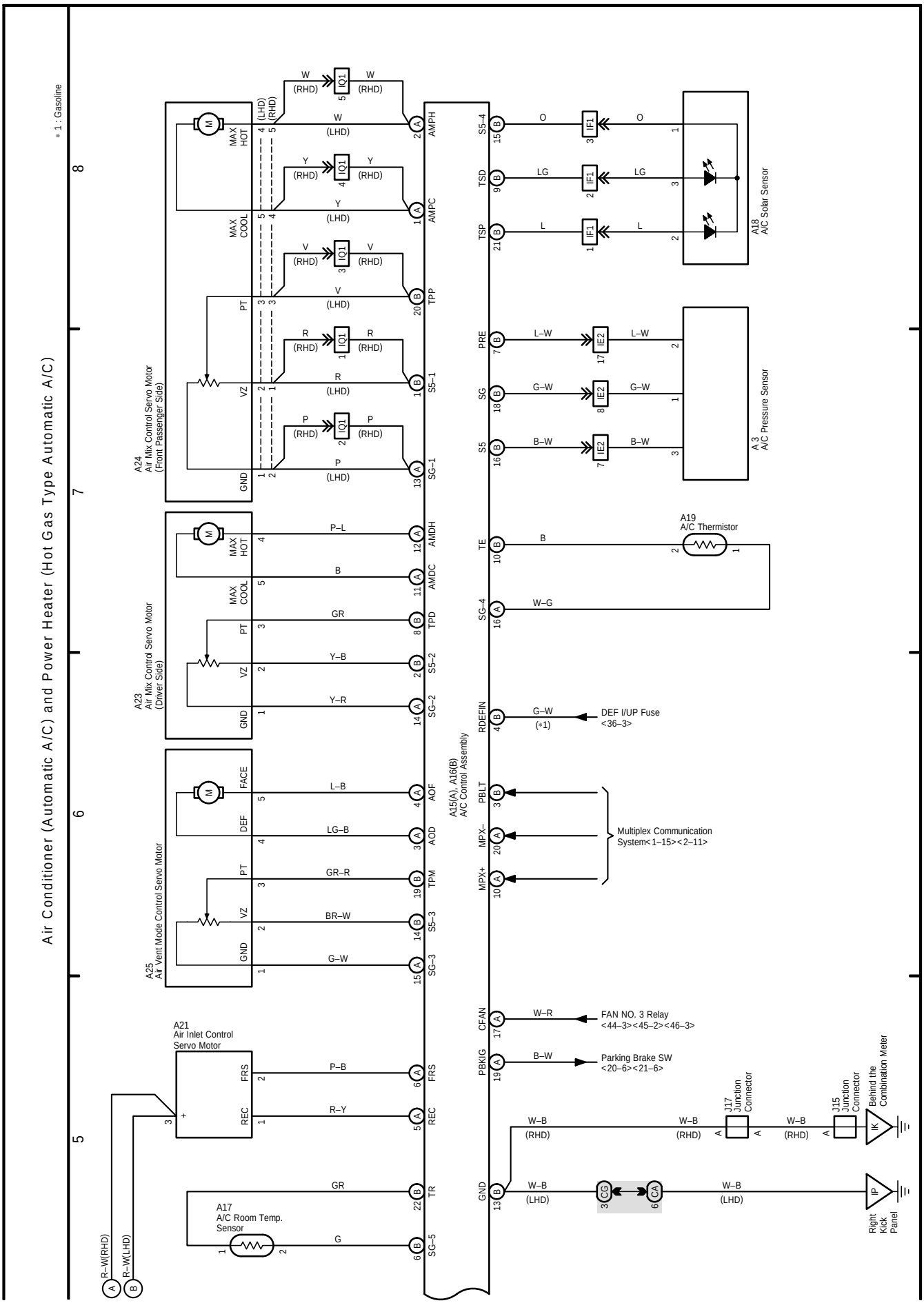

Radiator Fan and Condenser Fan (2AZ–FSE, 1AZ–FSE, 1AZ–FE)
Power Source
44 AVENSIS
FAN NO. 2 Relay
FAN NO. 1 Relay
FAN NO. 3 Relay
D 4 Diode (Fan)
J 1 Junction Connector
R 1 Radiator Fan Motor
A 2 A/C Condenser Fan Motor
Engine and ECT ECU (A/T) <5–12><6–11>
Engine ECU (M/T) <5–12><6–11>
A/C Control Assembly <47–5><48–8><49–7>
Engine Compartment Left
Left Kick Panel
7. 5A ECU–IG
IG1 Relay
25A AM1
I13 Ignition SW
30A CDS
30A RDI
120A ALT
FL MAIN 3. 0W
Battery
W–R
R–L
W–B
B–G
G–Y
G–R
L
W
B

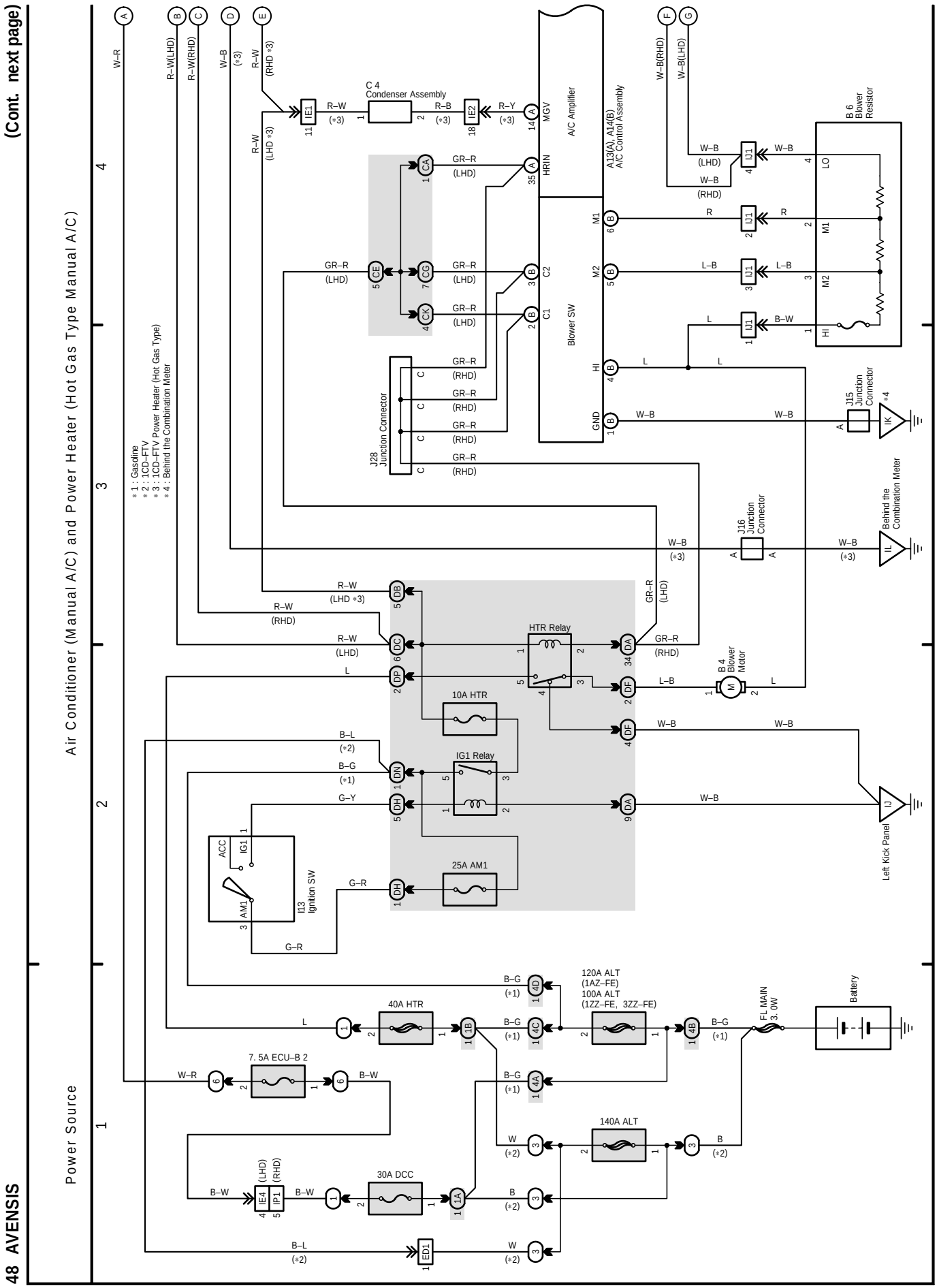

45 AVENSIS
Power Source
Radiator Fan (1ZZ–FE, 3ZZ–FE)
1
2
3
4
R 2
Radiator Fan Resistor
FAN NO. 2 Relay
FAN NO. 3 Relay
D 4
Diode (Fan)
J 1
Junction Connector
IE2
Engine and ECT ECU (A/T)<7–8>
Engine ECU (M/T) <7–8>
A/C Control Assembly <47–5><48–8><49–7>
R 1
Radiator Fan Motor
Engine Compartment Left
EC
Left Kick Panel
IJ
7. 5A ECU–IG
IG1 Relay
25A AM1
I13
Ignition SW
ACC
IG1
AM1
40A RDI
100A ALT
FL MAIN
3. 0W
Battery
W–R
R–L
W–B
G–Y
G–R
B–G
W
B
L


* 1 : D–CAT
* 2 : Except D–CAT
Radiator Fan and Condenser Fan (1CD–FTV)
Power Source
A 2 A/C Condenser Fan Motor
R 1 Radiator Fan Motor
FAN NO. 2 Relay
FAN NO. 3 Relay
FAN NO. 1 Relay
J 1 Junction Connector
W 1 Water Temp. SW (Radiator Fan)
D 4 Diode (Fan)
Engine ECU(M/T) <8–14>
A/C Control Assembly <47–5><48–8><49–7>
Engine Compartment Left
Engine Compartment Right
Left Kick Panel
7. 5A ECU–IG
IG1 Relay
25A AM1
I13 Ignition SW
40A RDI
30A CDS
140A ALT
FL MAIN 3. 0W
Battery

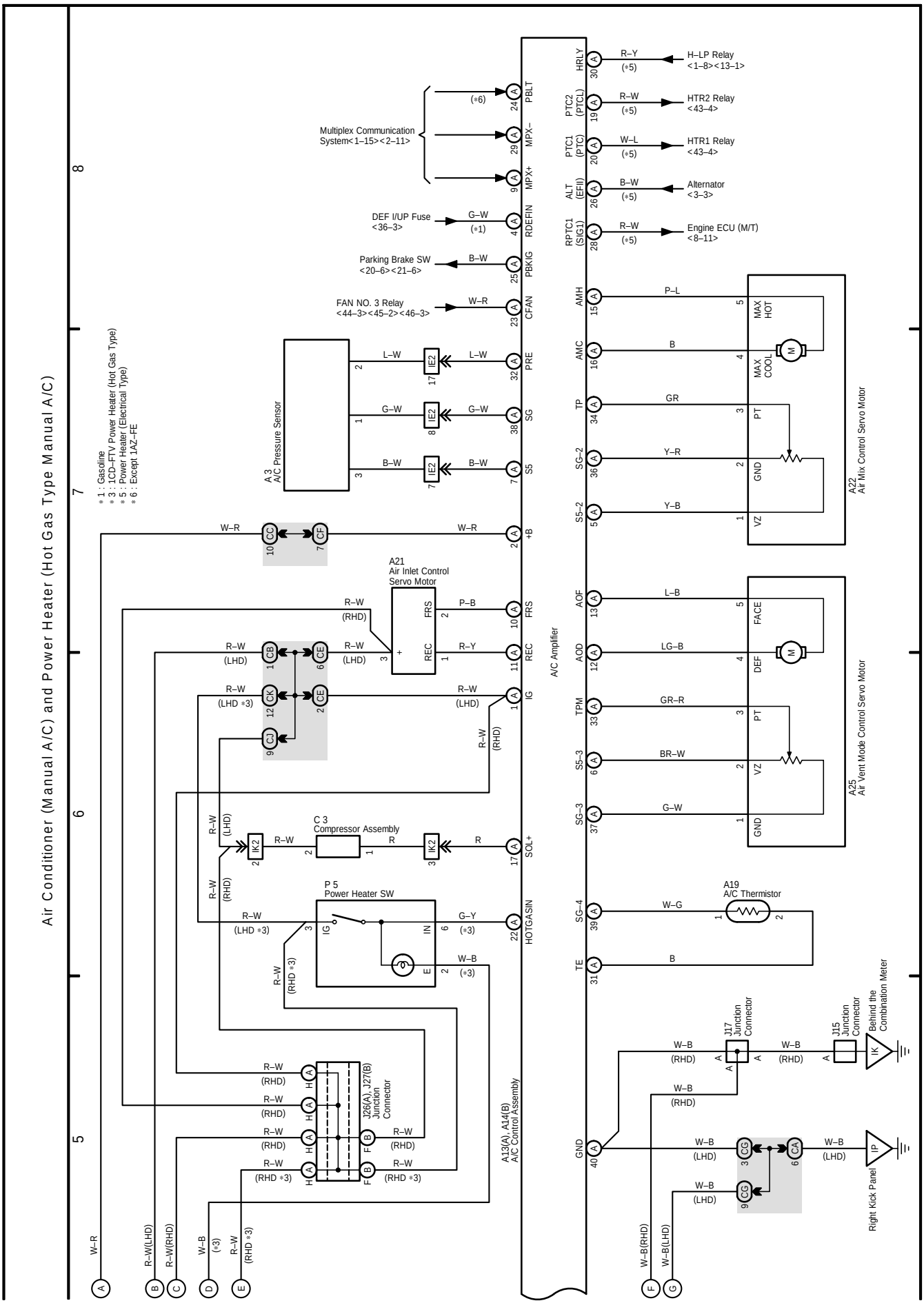

(Cont. next page)
Air Conditioner (Automatic A/C) and Power Heater (Hot Gas Type Automatic A/C)
Power Source
47 AVENSIS
* 1 : Gasoline
* 2 : 1CD–FTV w/ Power Heater (Hot Gas Type)
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
A15(A), A16(B) A/C Control Assembly
C 3 Compressor Assembly
C 4 Condenser Assembly
P 5 Power Heater SW
J26(A), J27(B) Junction Connector
J16 Junction Connector
J15 Junction Connector
B 5 Blower Motor Controller
B 4 Blower Motor
HTR Relay
IG1 Relay
10A HTR
25A AM1
I13 Ignition SW
7. 5A ECU–B 2
40A HTR
120A ALT (*3) 100A ALT (*4)
140A ALT
30A DCC
FL MAIN
Battery
Behind the Combination Meter
Left Kick Panel

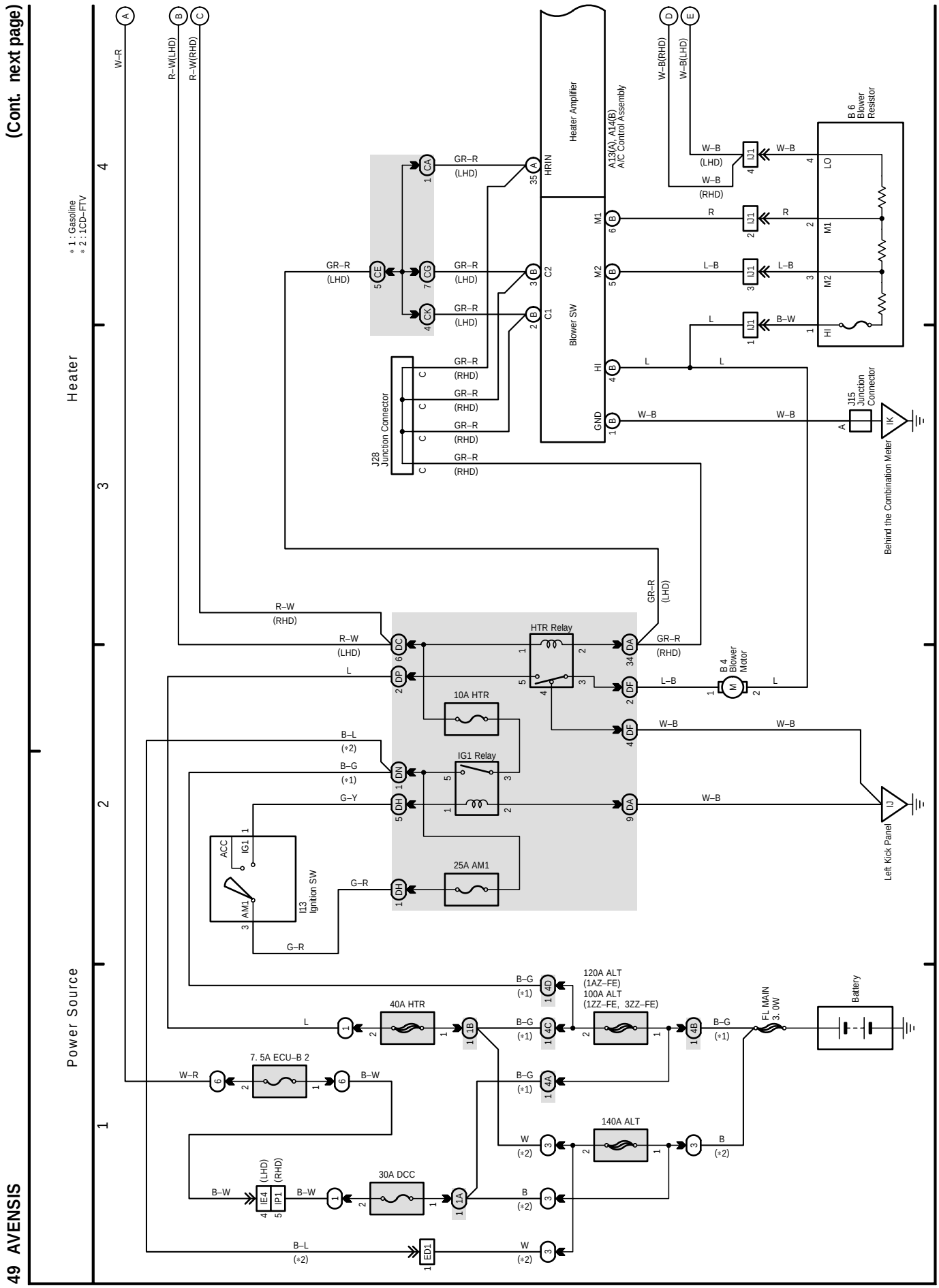
47 AVENSIS (Cont' d)



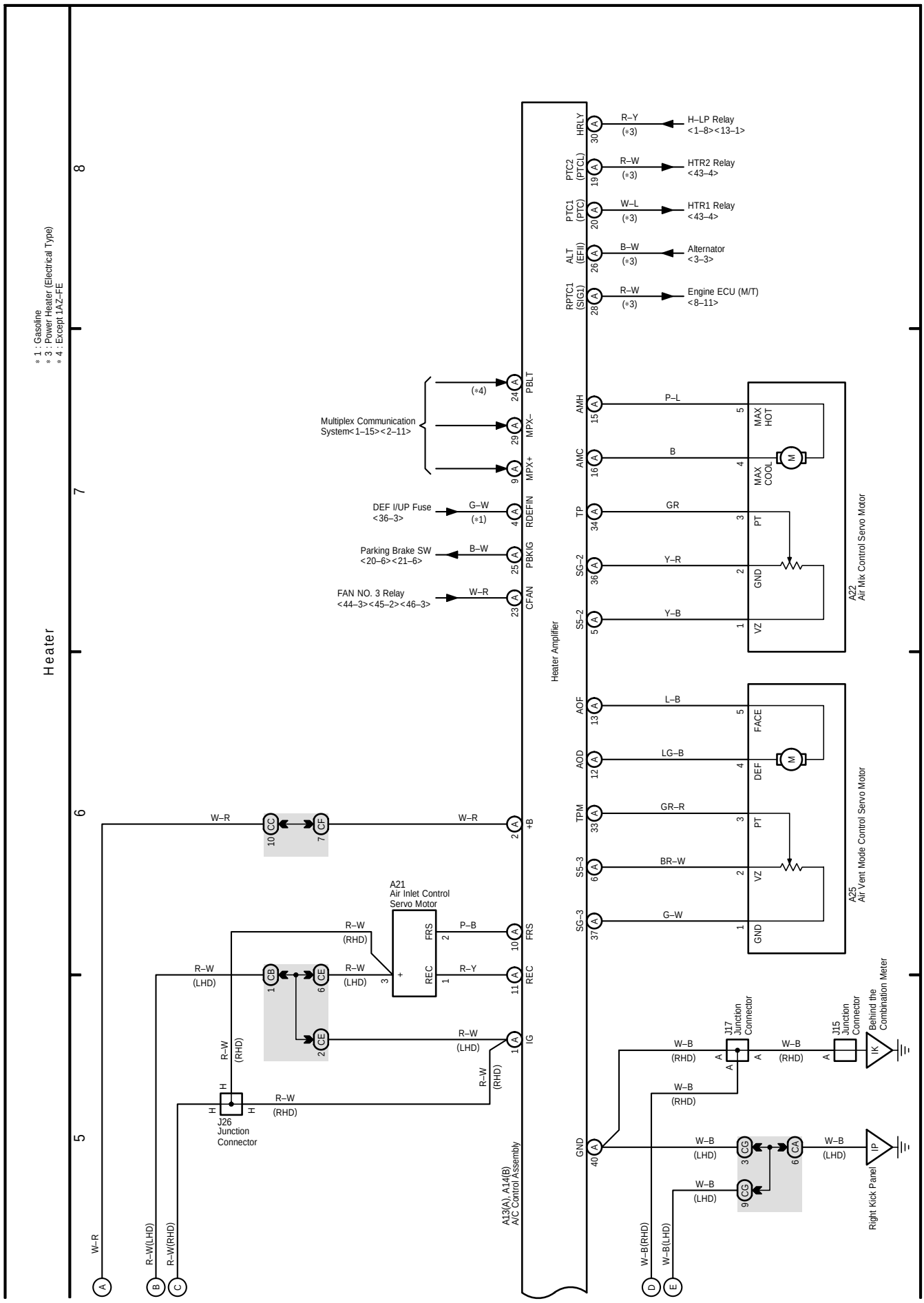

(Cont. next page)
Air Conditioner (Manual A/C) and Power Heater (Hot Gas Type Manual A/C)
Power Source
48 AVENSIS
*1 : Gasoline
*2 : 1CD–FTV
*3 : 1CD–FTV Power Heater (Hot Gas Type)
*4 : Behind the Combination Meter
C 4 Condenser Assembly
A/C Amplifier
A13(A), A14(B) A/C Control Assembly
Blower SW
B 6 Blower Resistor
B 4 Blower Motor
J28 Junction Connector
J16 Junction Connector
J15 Junction Connector
Behind the Combination Meter
HTR Relay
IG1 Relay
10A HTR
25A AM1
I13 Ignition SW
Left Kick Panel
40A HTR
7. 5A ECU–B 2
30A DCC
120A ALT (1AZ–FE) 100A ALT (1ZZ–FE, 3ZZ–FE)
140A ALT
FL MAIN 3. 0W
Battery

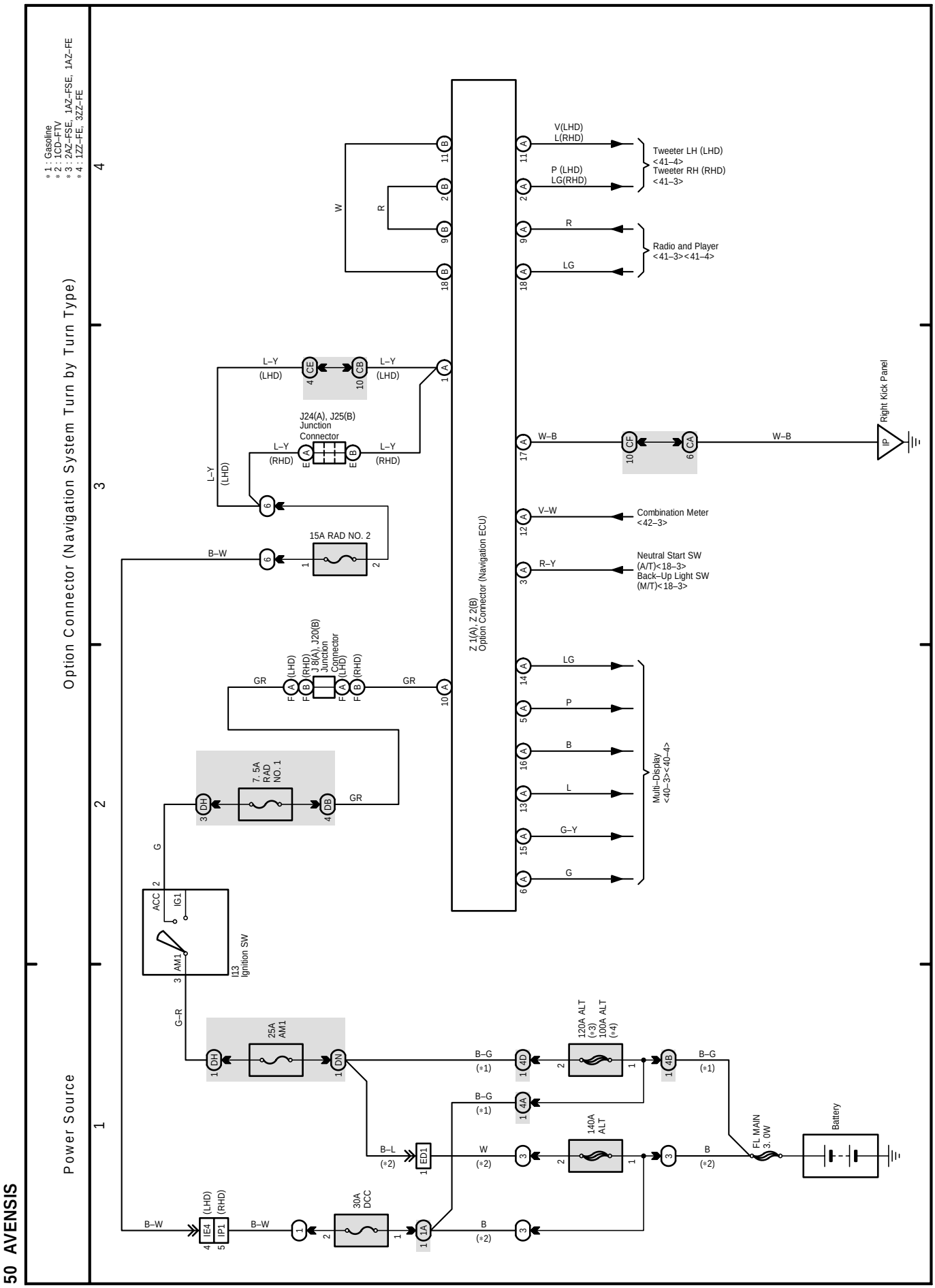
48 AVENSIS (Cont' d)




(Cont. next page)
Heater
Power Source
49 AVENSIS
* 1 : Gasoline
* 2 : 1CD–FTV
Heater Amplifier
A13(A), A14(B)
A/C Control Assembly
Blower SW
HRIN
M1
M2
HI
GND
C1
C2
B 6
Blower
Resistor
LO
J28
Junction Connector
J15
Junction
Connector
Behind the Combination Meter
Left Kick Panel
HTR Relay
IG1 Relay
10A HTR
25A AM1
40A HTR
7. 5A ECU–B 2
30A DCC
120A ALT
(1AZ–FE)
100A ALT
(1ZZ–FE, 3ZZ–FE)
140A ALT
FL MAIN
3. 0W
Battery
B 4
Blower
Motor
I13
Ignition SW
ACC
IG1
AM1
R–W(LHD)
R–W(RHD)
W–R
W–B(RHD)
W–B(LHD)
GR–R
(LHD)
GR–R
(RHD)
R–W
(RHD)
R–W
(LHD)
L
L–B
B–W
B–L
(*2)
B–G
(*1)
G–Y
G–R
W–B
R
W
B
(*2)
(LHD)
(RHD)

49 AVENSIS (Cont' d)




*1 : Gasoline
*2 : 1CD–FTV
*3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
*4 : 1ZZ–FE, 3ZZ–FE
Option Connector (Navigation System Turn by Turn Type)
Power Source
Z 1(A), Z 2(B) Option Connector (Navigation ECU)
V(LHD) L(RHD)
P (LHD) LG(RHD)
Tweeter LH (LHD) <41–4>
Tweeter RH (RHD) <41–3>
R
LG
Radio and Player <41–3><41–4>
W
R
L–Y (LHD)
L–Y (RHD)
J24(A), J25(B) Junction Connector
W–B
Right Kick Panel
V–W
Combination Meter <42–3>
R–Y
Neutral Start SW (A/T)<18–3> Back–Up Light SW (M/T)<18–3>
15A RAD NO. 2
B–W
J18(A), J20(B) Junction Connector
GR
LG
P
B
L
G–Y
G
Multi–Display <40–3><40–4>
7. 5A RAD NO. 1
ACC
IG1
AM1
I13 Ignition SW
G
G–R
25A AM1
120A ALT (*3) 100A ALT (*4)
140A ALT
B–G (*1)
B–L (*2)
W (*2)
B (*2)
FL MAIN 3. 0W
Battery
30A DCC
IE4 (LHD)
IP1 (RHD)

FOREWORD

This supplement provides information covering changes in the electrical system specifications of the AVENSIS which were made in Feb., 2004.

Applicable models: AZT250, 251 Series
ZZT250, 251 Series
CDT250 Series

For information which is not mentioned in this manual, please refer to the following Electrical Wiring Diagram Manuals:

Manual Name	Pub. No.
● AVENSIS Electrical Wiring Diagram	EWD526E
● AVENSIS Electrical Wiring Diagram Supplement	EWD543E
● AVENSIS Chassis and Body Repair Manual Supplement	RM1098E
● 1ZZ–FE, 3ZZ–FE Engine Repair Manual	RM1099E
● AVENSIS New Car Features Supplement	NCF262E

All information in this manual is based on the latest product information at the time of publication. However, specifications and procedures are subject to change without notice.

TOYOTA MOTOR CORPORATION

NOTICE

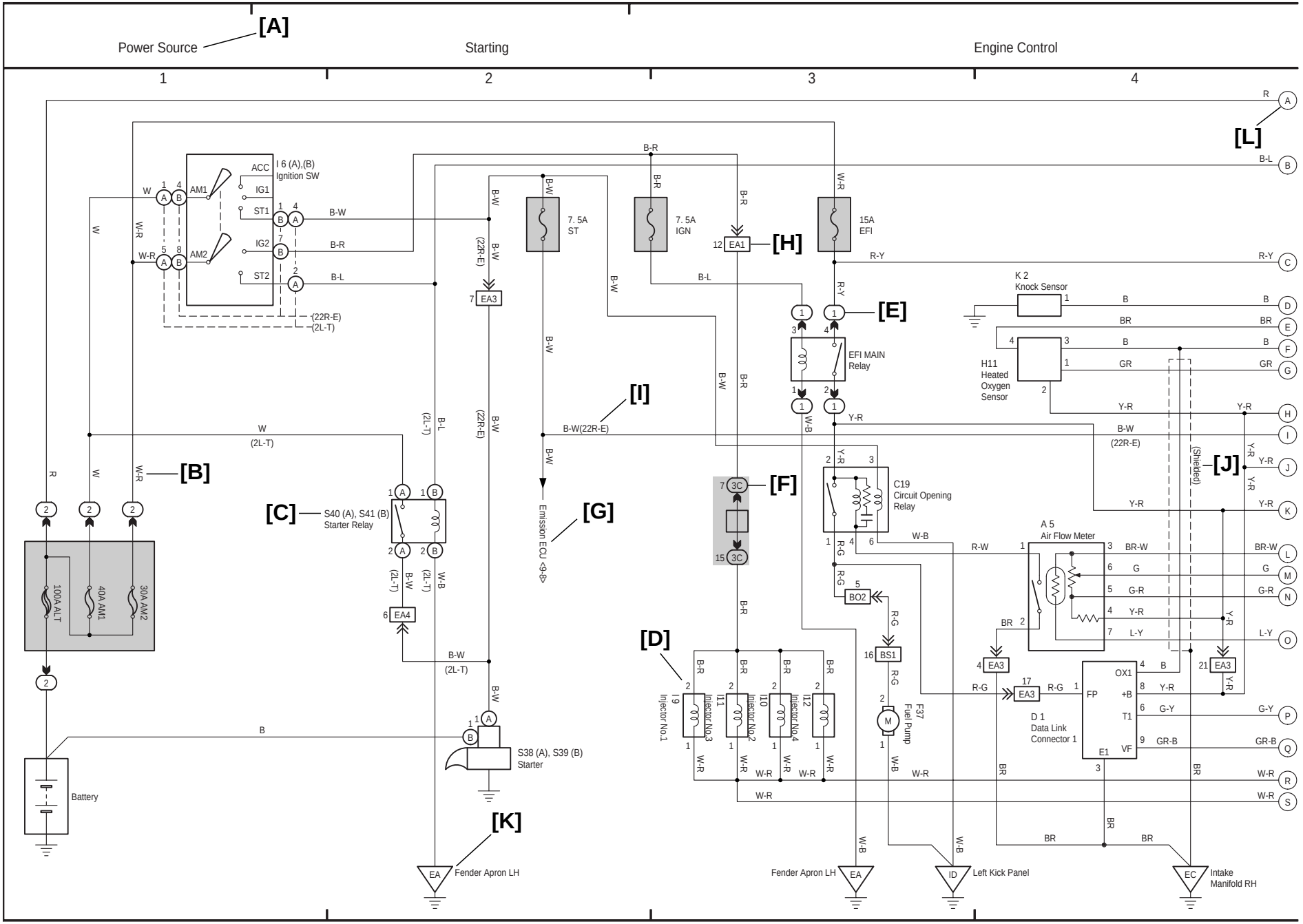
When handling supplemental restraint system components (removal, installation or inspection, etc.), always follow the direction given in the repair manuals listed above to prevent accidents and supplemental restraint system malfunction.

This manual consists of the following 8 sections:

No.	Section	Description
A	INDEX	Index of the contents of this manual.
	INTRODUCTION	Brief explanation of each section.
B	HOW TO USE THIS MANUAL	Instructions on how to use this manual.
C	ABBREVIATIONS	Defines the abbreviations used in this manual.
D	RELAY LOCATIONS	Shows position of the Electronic Control Unit, Relays, Relay Block, etc. This section is closely related to the wiring diagram.
E	ELECTRICAL WIRING ROUTING	Describes position of the Parts Connectors, Ground points, etc. This section is closely related to the wiring diagram.
F	CONNECTOR LIST	Describes the form of the connectors for the parts appeared in this book. This section is closely related to the wiring diagram.
G	PART NUMBER OF CONNECTORS	Indicates the part number of the connectors used in this manual.
H	OVERALL ELECTRICAL WIRING DIAGRAM	Provides circuit diagrams showing the circuit connections.

HOW TO READ THIS SECTION

* The system shown here is an EXAMPLE ONLY. It is different to the actual circuit shown in the wiring diagram section.



[A] : System Title

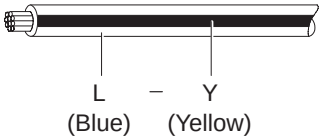
[B] : Indicates the wiring color.

Wire colors are indicated by an alphabetical code.

B	= Black	W	= White	BR	= Brown
L	= Blue	V	= Voilet	SB	= Sky Blue
R	= Red	G	= Green	LG	= Light Green
P	= Pink	Y	= Yellow	GR	= Gray
O	= Orange				

The first letter indicates the basic wire color and the second letter indicates the color of the stripe.

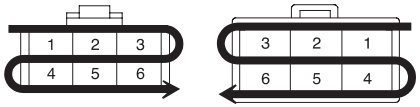
Example: L – Y



[C] : The position of the parts is the same as shown in the wiring diagram and wire routing.

[D] : Indicates the pin number of the connector.
The numbering system is different for female and male connectors.

Example: Numbered in order from upper left to lower right / Numbered in order from upper right to lower left



Female Male

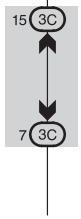
The numbering system for the overall wiring diagram is the same as above.

[E] : Indicates a Relay Block. No shading is used and only the Relay Block No. is shown to distinguish it from the J/B.

Example: (1) Indicates Relay Block No.1

[F] : Junction Block (The number in the circle is the J/B No. and the connector code is shown beside it). Junction Blocks are shaded to clearly separate them from other parts.

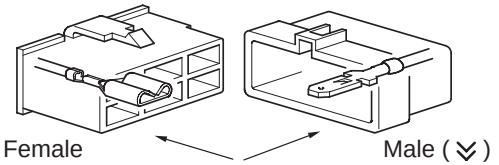
Example



3C indicates that it is inside Junction Block No.3

[G] : Indicates related system.

[H] : Indicates the wiring harness and wiring harness connector.
The wiring harness with male terminal is shown with arrows (»).
Outside numerals are pin numbers.



[I] : ( ) is used to indicate different wiring and connector, etc. when the vehicle model, engine type, or specification is different.

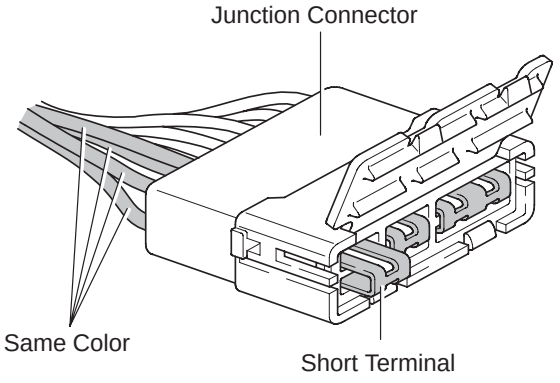
[J] : Indicates a shielded cable.

[K] : Indicates and located on ground point.

[L] : The same code occuring on the next page indicates that the wire harness is continuous.

HINT :

Junction connector in this manual include a short terminal which is connected to a number of wire harnesses. Always perform inspection with the short terminal installed. (When installing the wire harnesses, the harnesses can be connected to any position within the short terminal grouping. Accordingly, in other vehicles, the same position in the short terminal may be connected to a wire harness from a different part.)
Wire harness sharing the same short terminal grouping have the same color.



ABBREVIATIONS

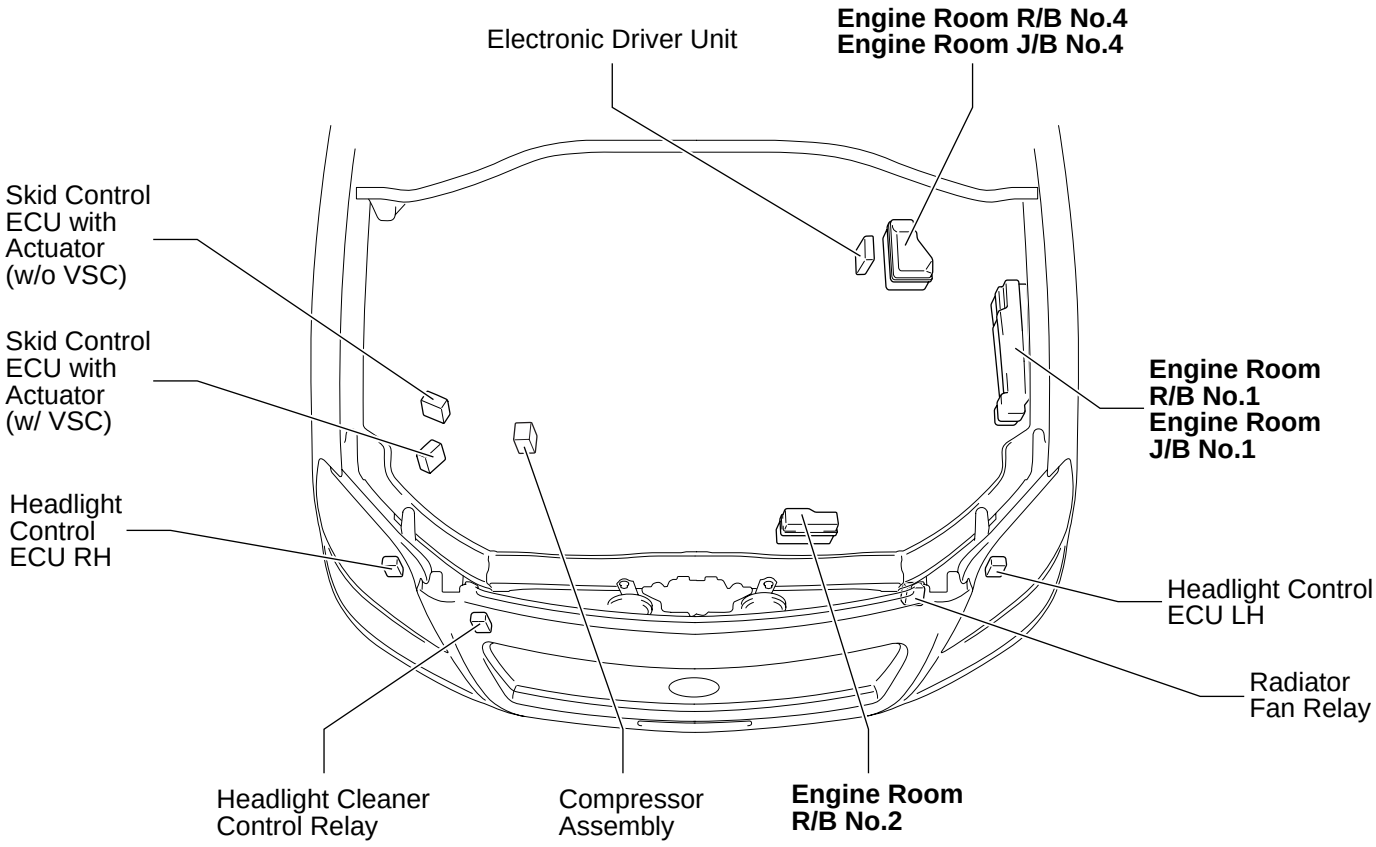
The following abbreviations are used in this manual.

A/C	=	Air Conditioner
A/T	=	Automatic Transaxle
ABS	=	Anti–Lock Brake System
D–CAT	=	Diesel Clean Advanced Technology
DLC3	=	Data Link Connector 3
EC	=	Electrochromic
ECT	=	Electronic Control Transmission
ECU	=	Electronic Control Unit
EFI	=	Electronic Fuel Injection
EGR	=	Exhaust Gas Recirculation
EPS	=	Electric Power Steering
EVAP	=	Evaporative Emission
HID	=	High Intensity Discharge
ISC	=	Idle Speed Control
J/B	=	Junction Block
L/B	=	Liftback Type
LH	=	Left–Hand
LHD	=	Left–Hand Drive
M/T	=	Manual Transaxle
PTC	=	Positive Temperature Coefficient
R/B	=	Relay Block
RH	=	Right–Hand
RHD	=	Right–Hand Drive
S/D	=	Sedan Type
SRS	=	Supplemental Restraint System
SW	=	Switch
TEMP.	=	Temperature
TRC	=	Traction Control
VRV	=	Vacuum Regulating Valve
VSC	=	Vehicle Stability Control
VSV	=	Vacuum Switching Valve
W/G	=	Wagon Type
w/	=	With
w/o	=	Without

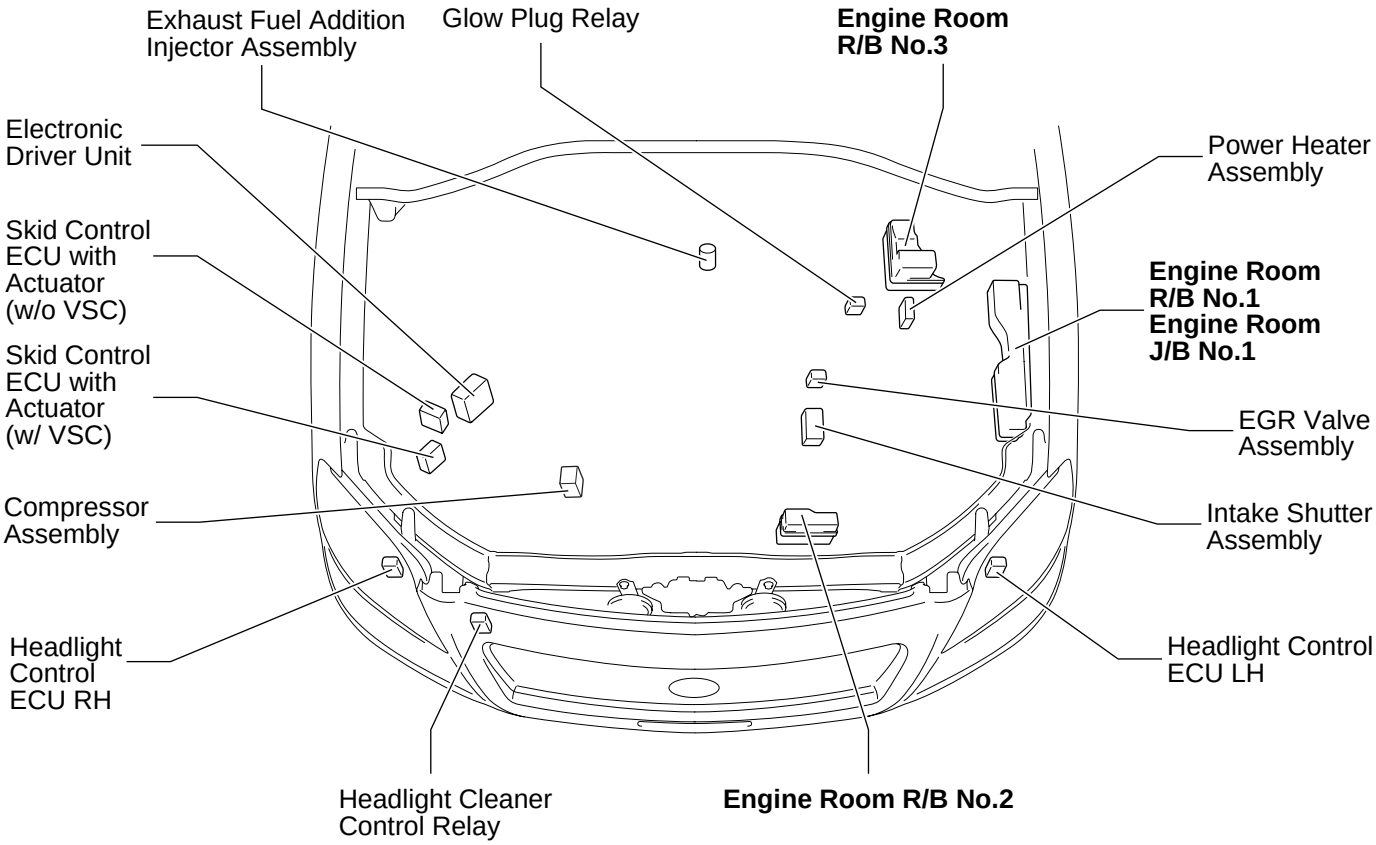
* The titles given inside the components are the names of the terminals (terminal codes) and are not treated as being abbreviations.

D RELAY LOCATIONS

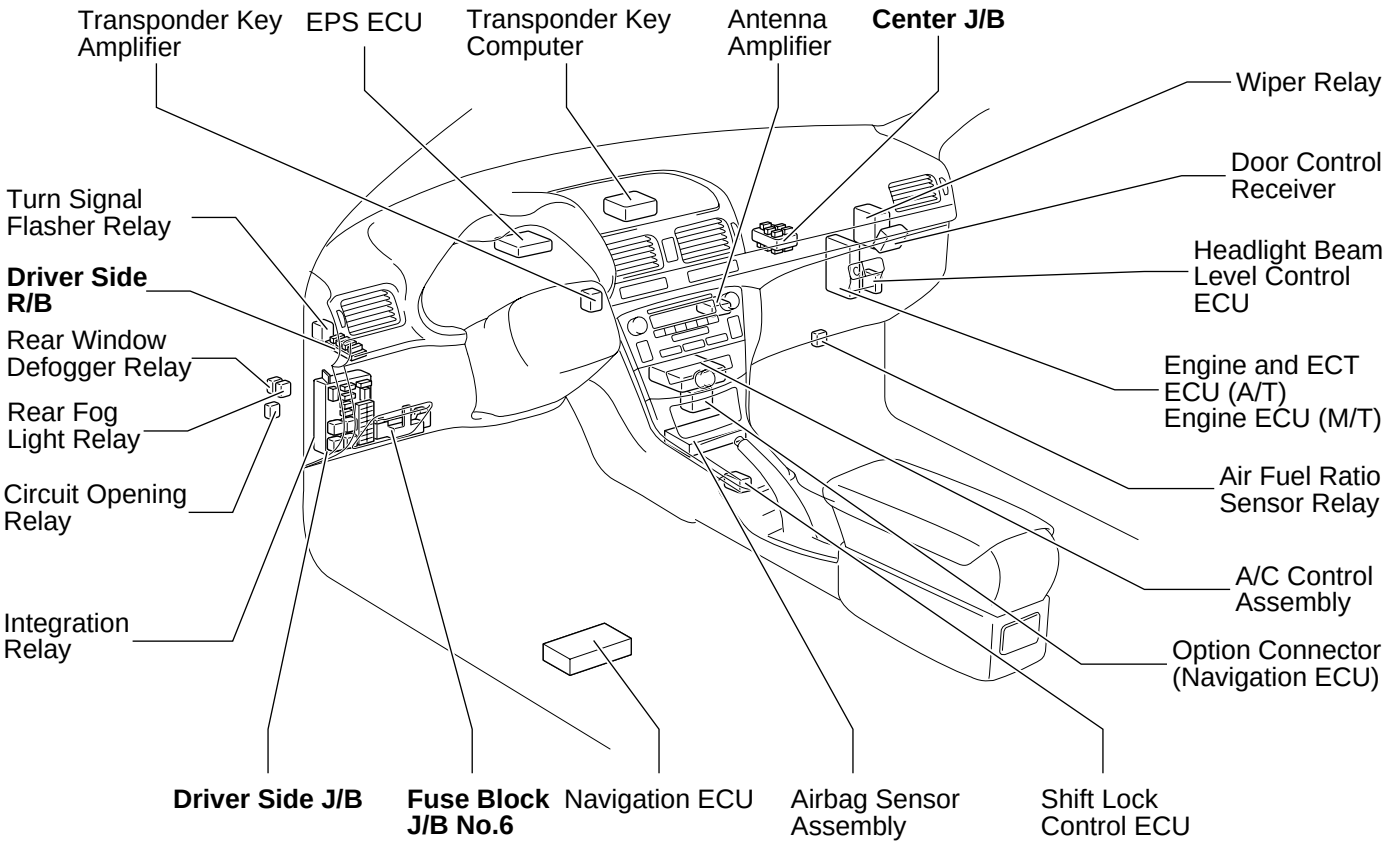
[Engine Compartment]
(Gasoline)



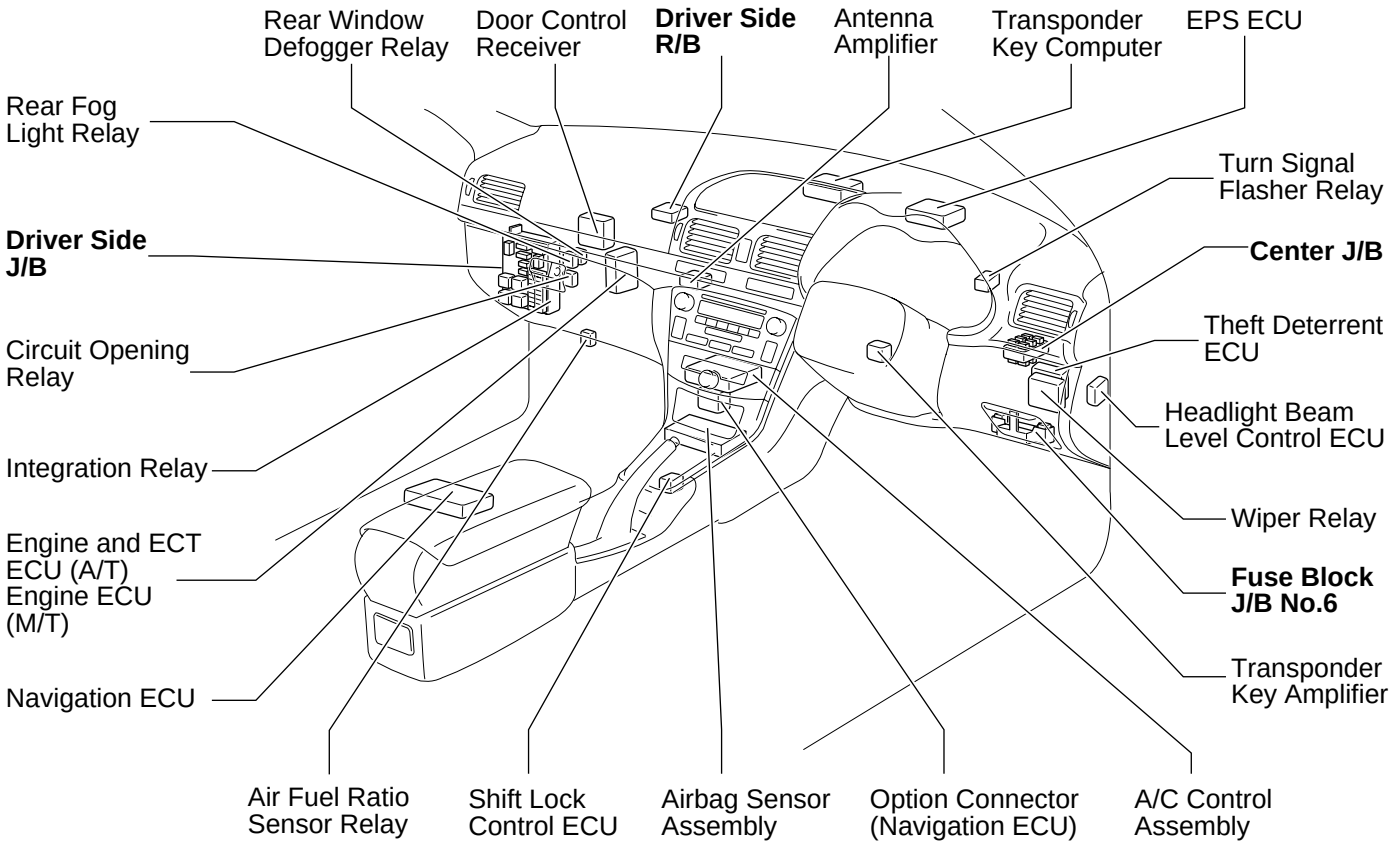
(1CD–FTV)



[Instrument Panel]
(LHD)

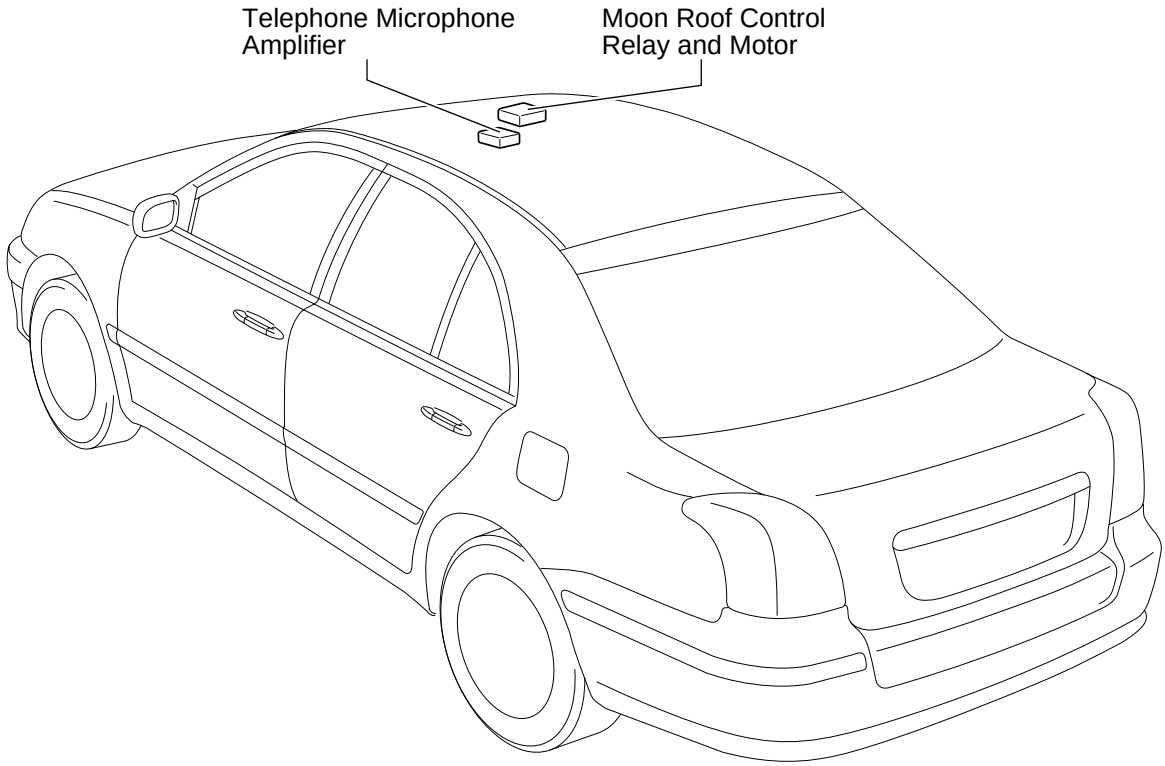


(RHD)

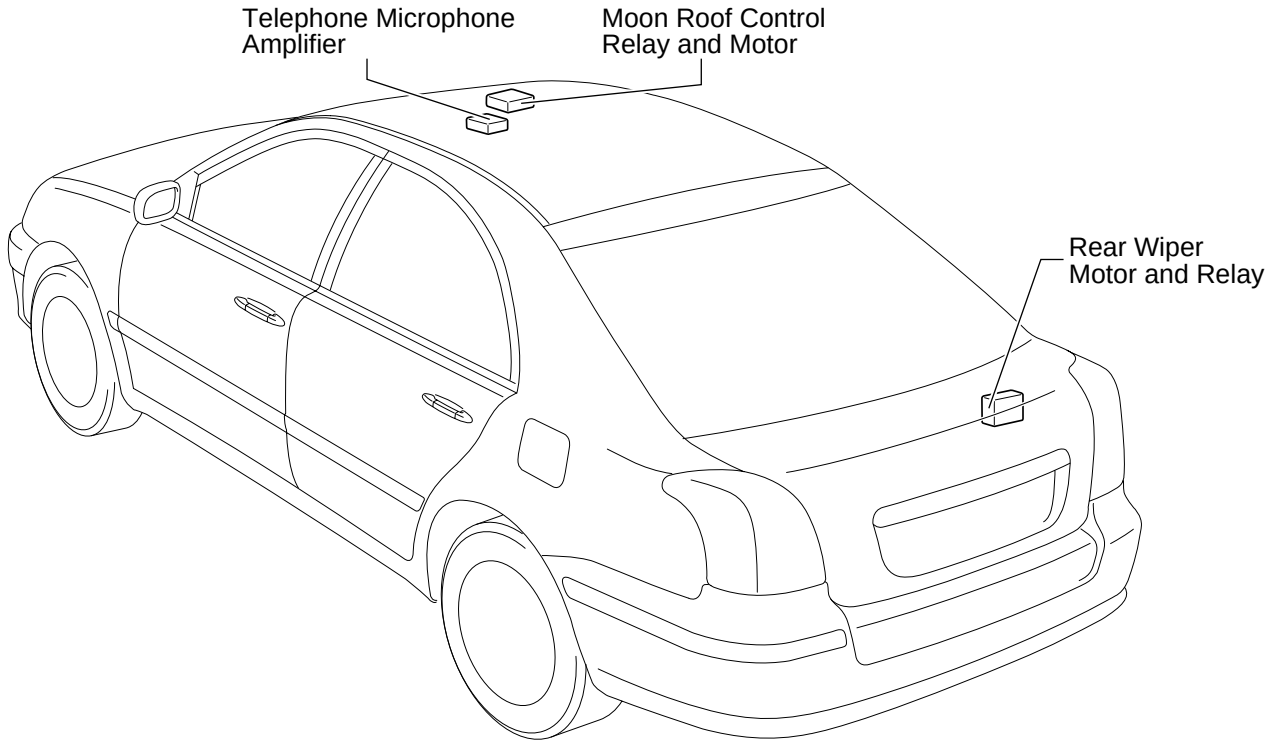


D RELAY LOCATIONS

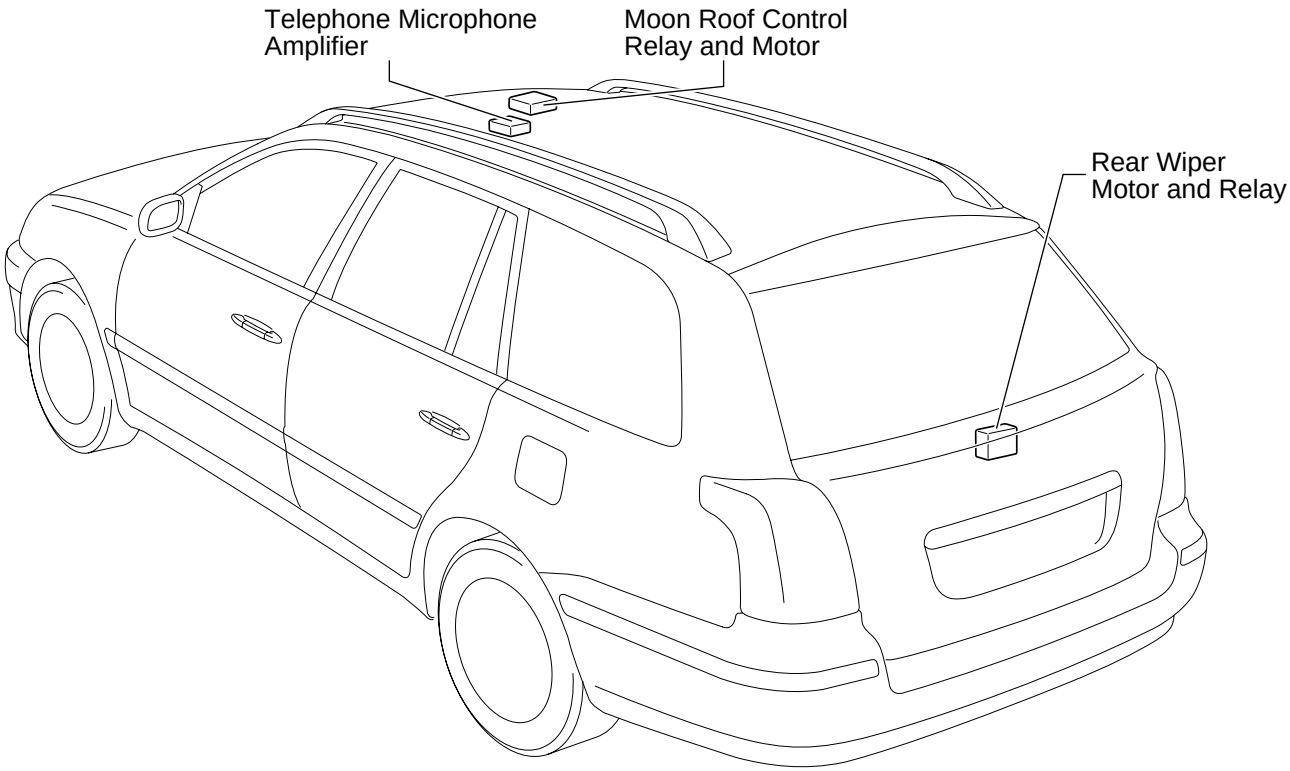
[Body]
(S/D)



(L/B)



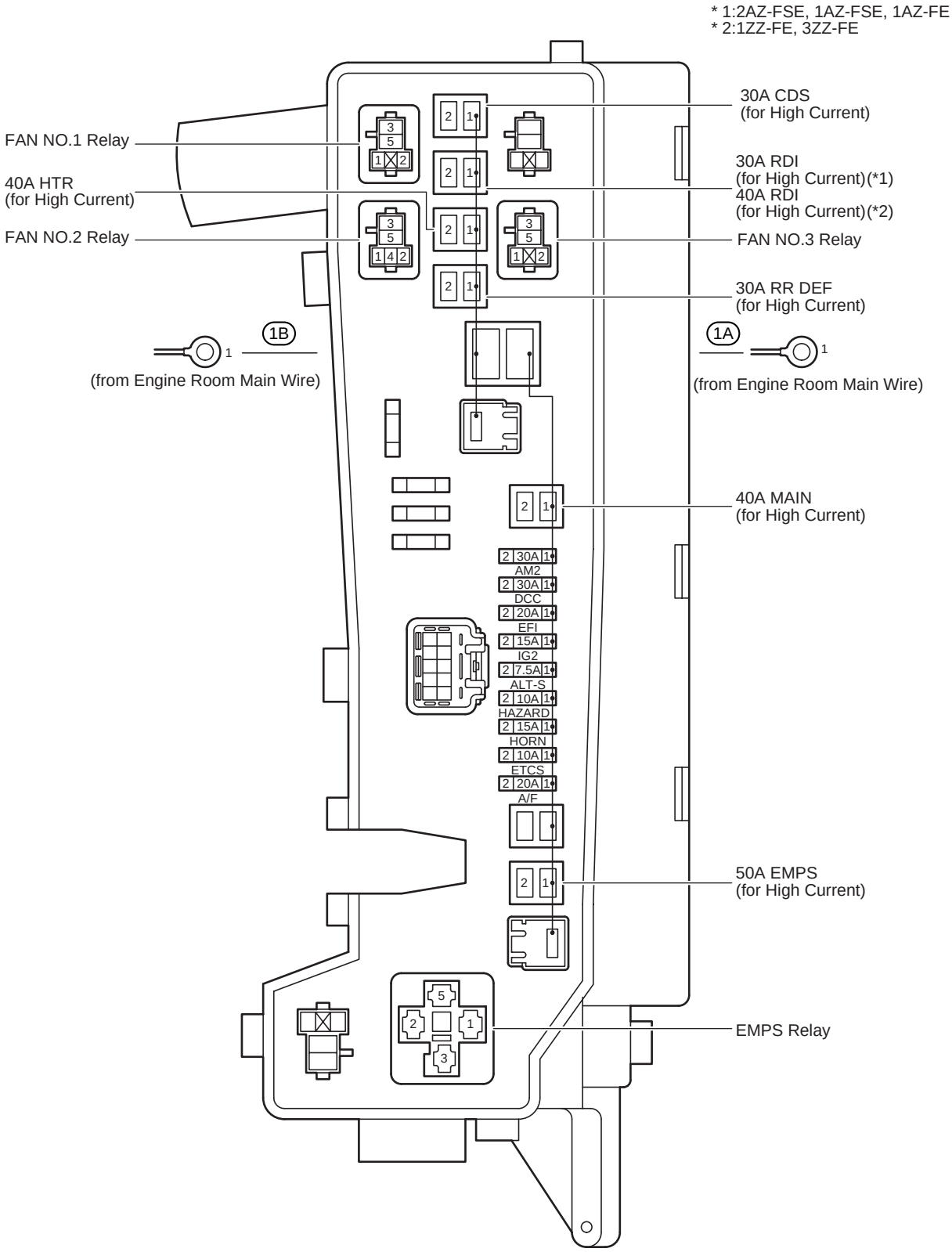
(W/G)


Telephone Microphone Amplifier
Moon Roof Control Relay and Motor
Rear Wiper Motor and Relay

D RELAY LOCATIONS

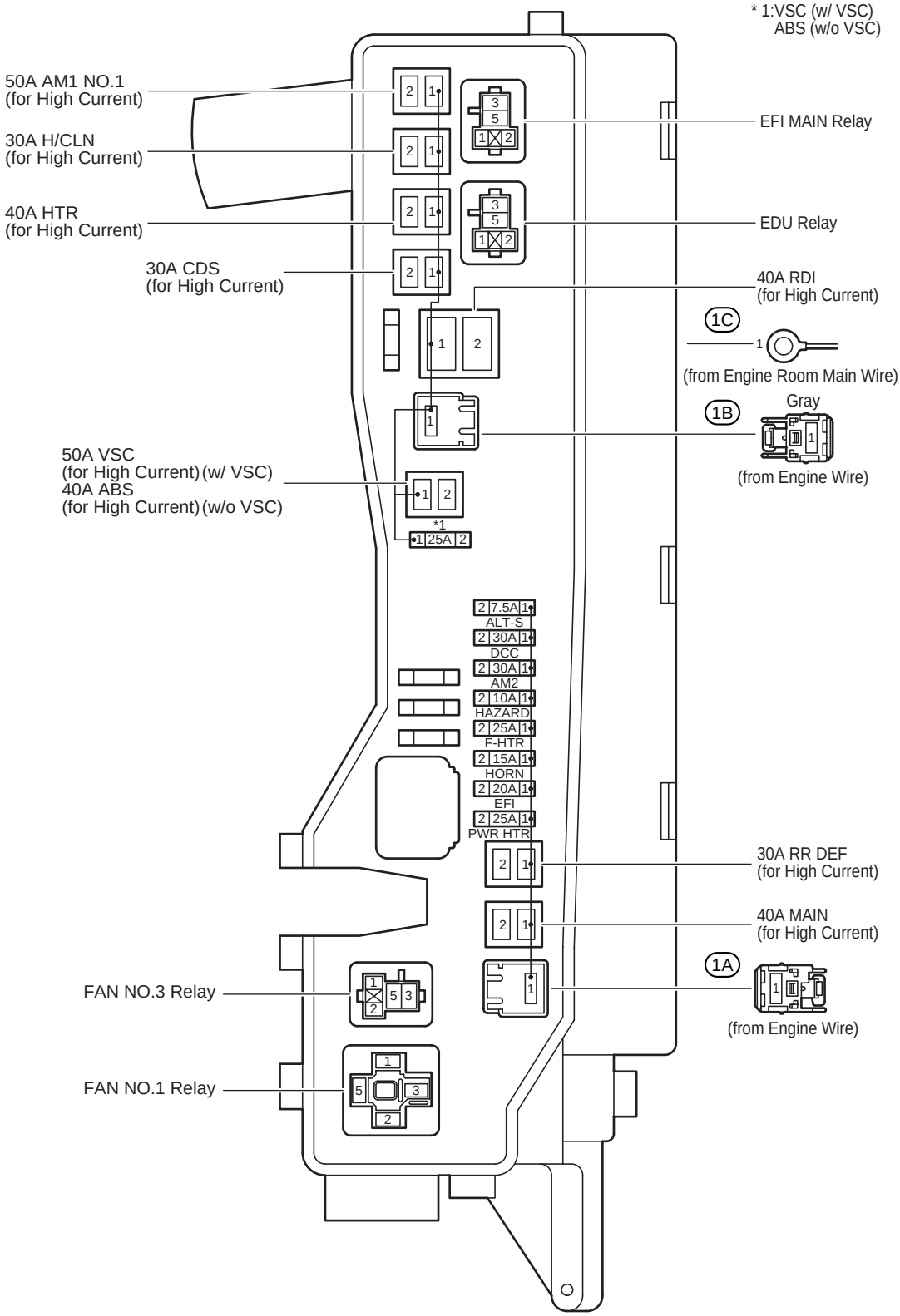
① : Engine Room R/B No.1 ⬭ : Engine Room J/B No.1	Engine Compartment Left (See Page 8)

(Gasoline)



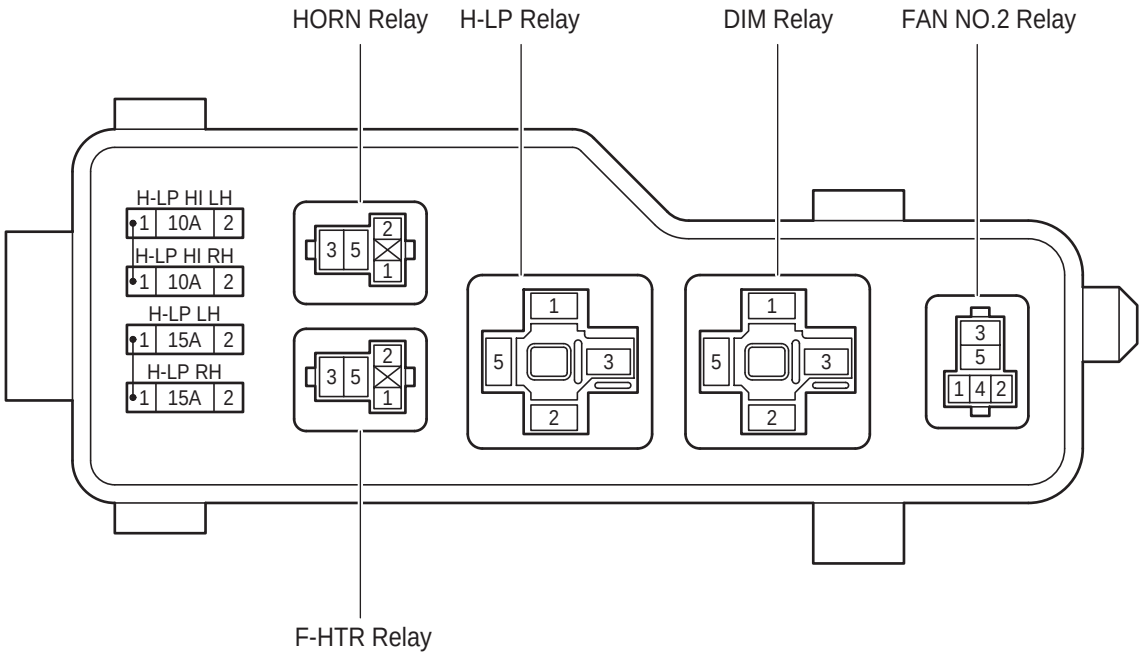
① : Engine Room R/B No.1 ⬭ : Engine Room J/B No.1	Engine Compartment Left (See Page 8)

(1CD–FTV)



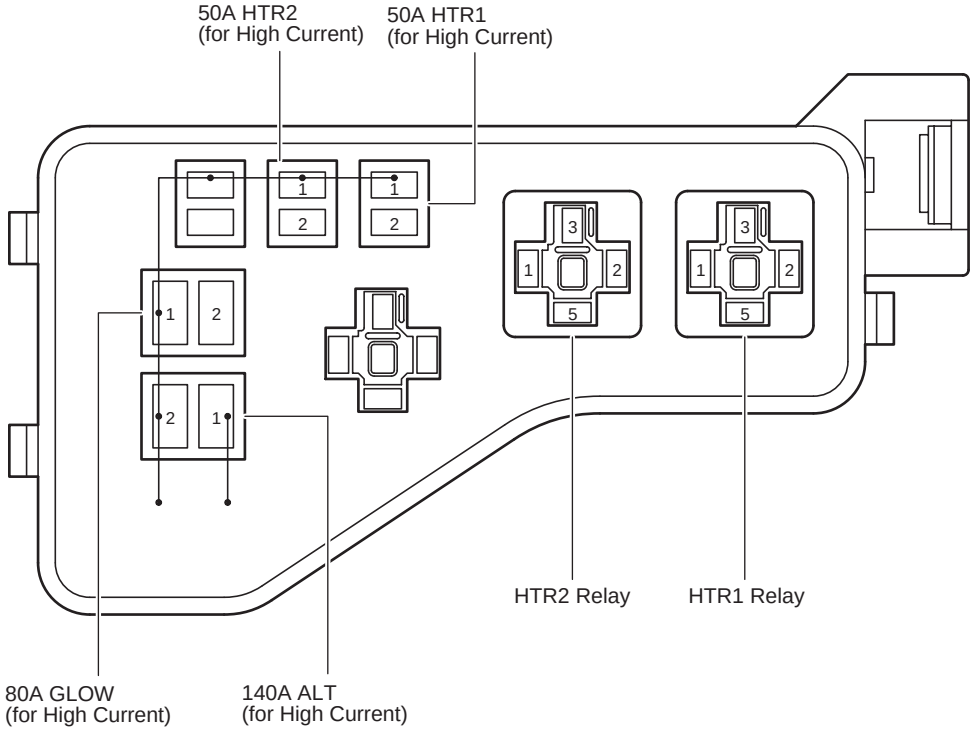
D RELAY LOCATIONS

② : Engine Room R/B No.2	Near the Radiator Fan (See Page 8)



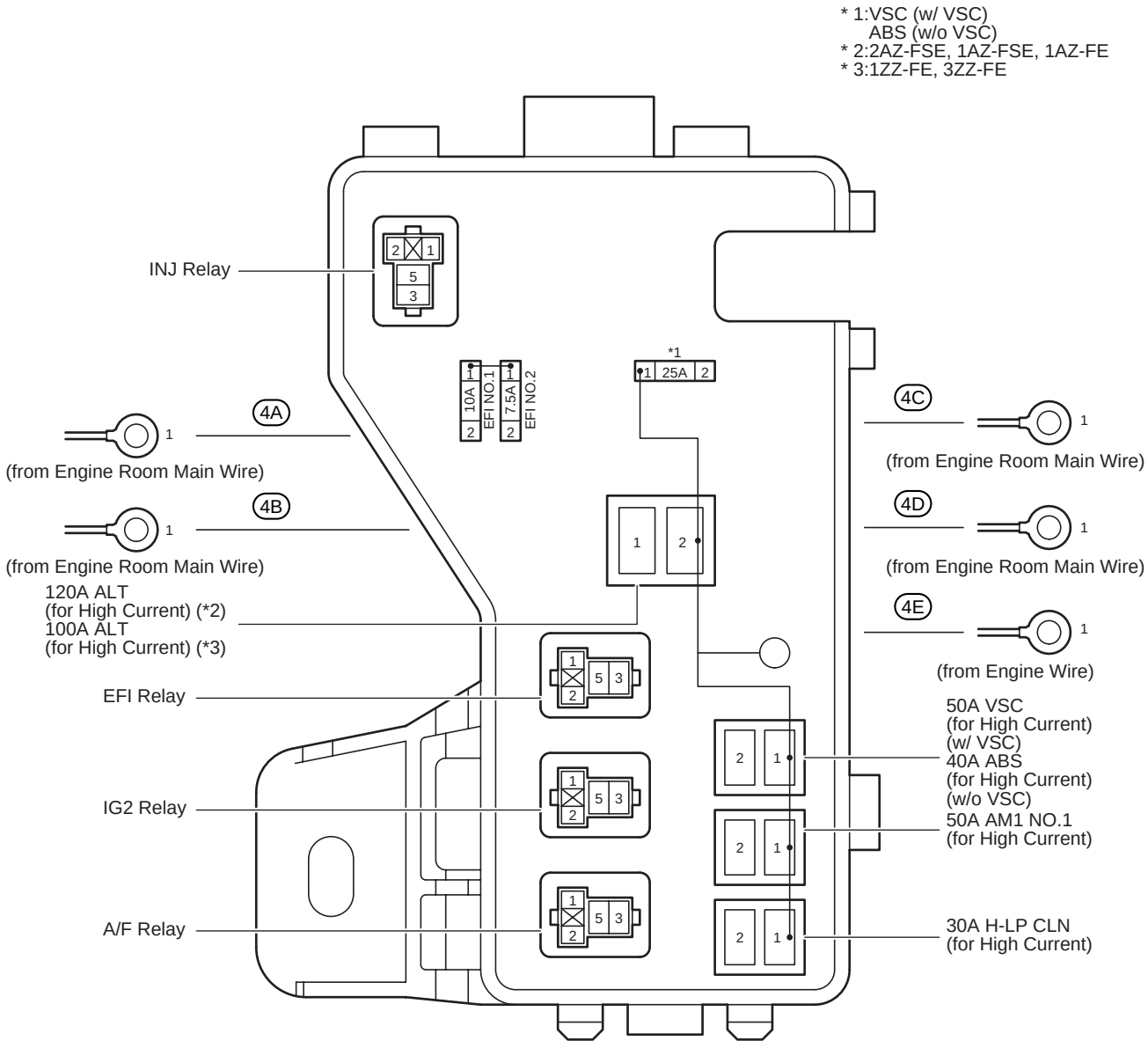
③ : Engine Room R/B No.3	Left Side of the Suspension Tower (See Page 8)

(1CD–FTV)



④ : Engine Room R/B No.4 ⬭ : Engine Room J/B No.4	Left Side of the Suspension Tower (See Page 8)

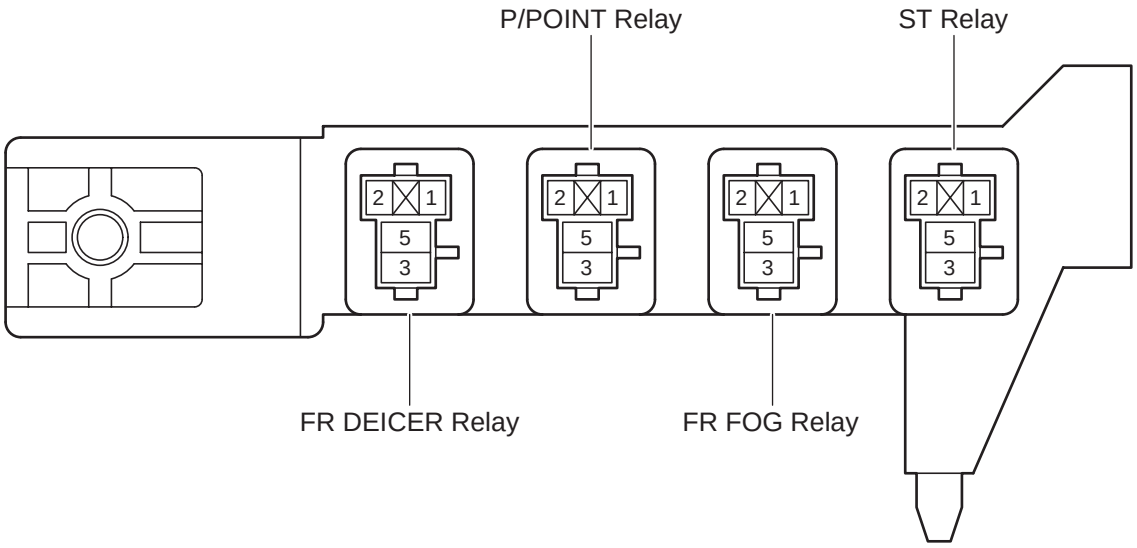
(Gasoline)



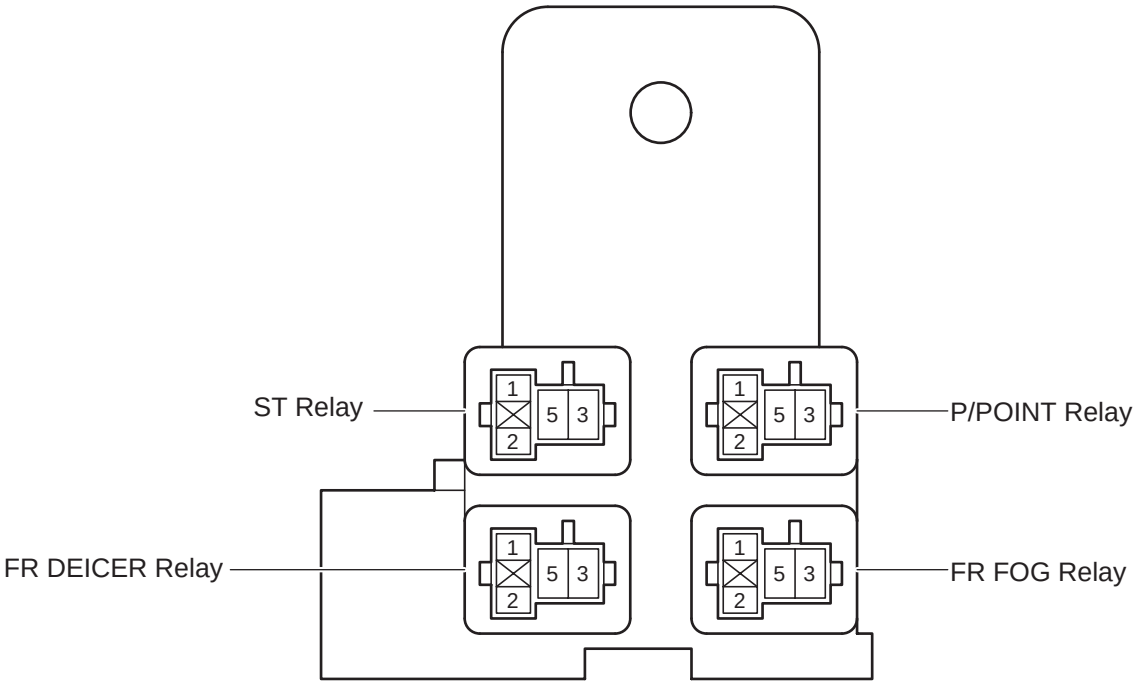
D RELAY LOCATIONS

⑤ : Driver Side R/B	LHD : Left Side of the Instrument Panel (See Page 9)
	RHD : Instrument Panel Reinforcement LH (See Page 9)

(LHD)

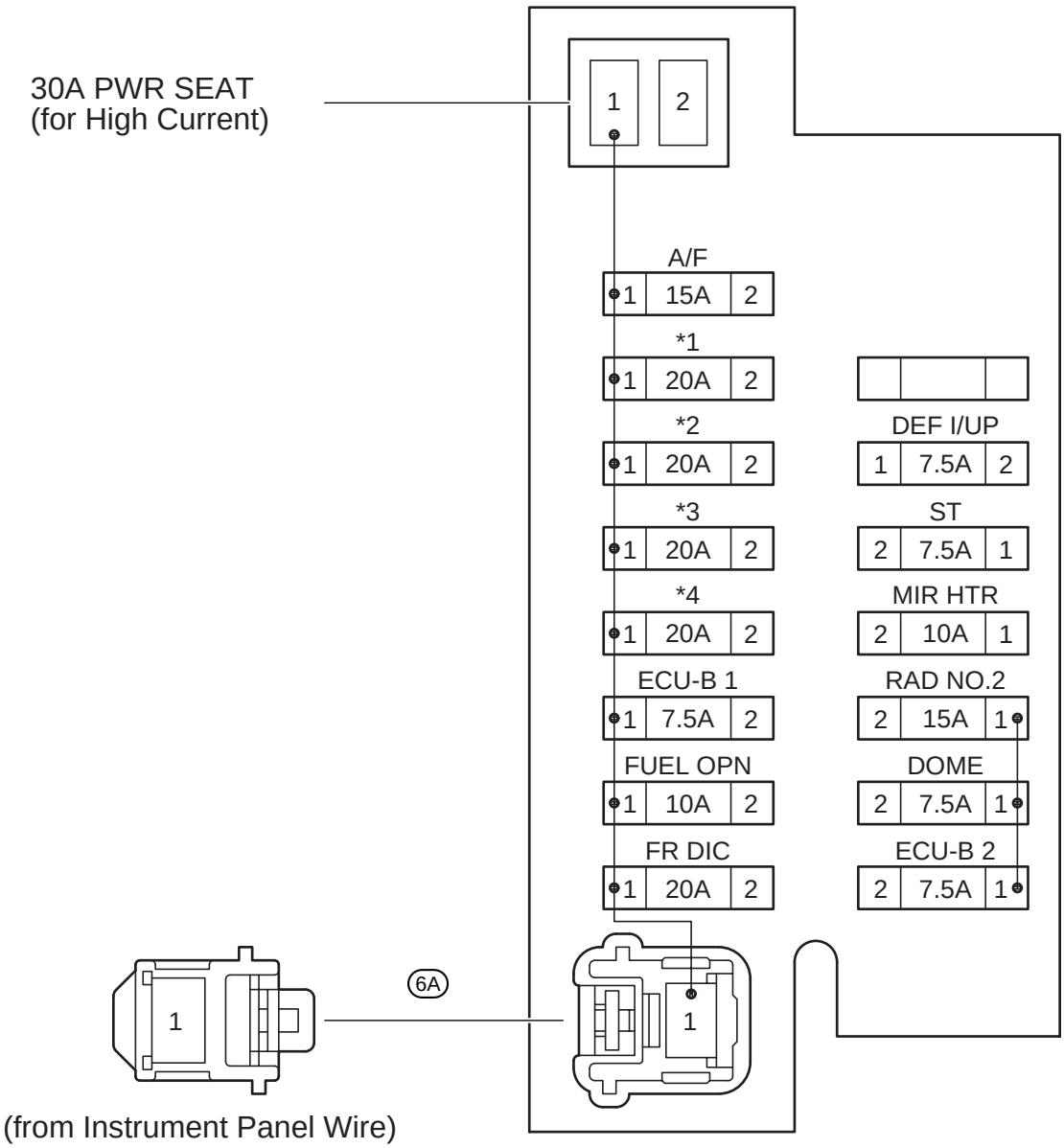


(RHD)



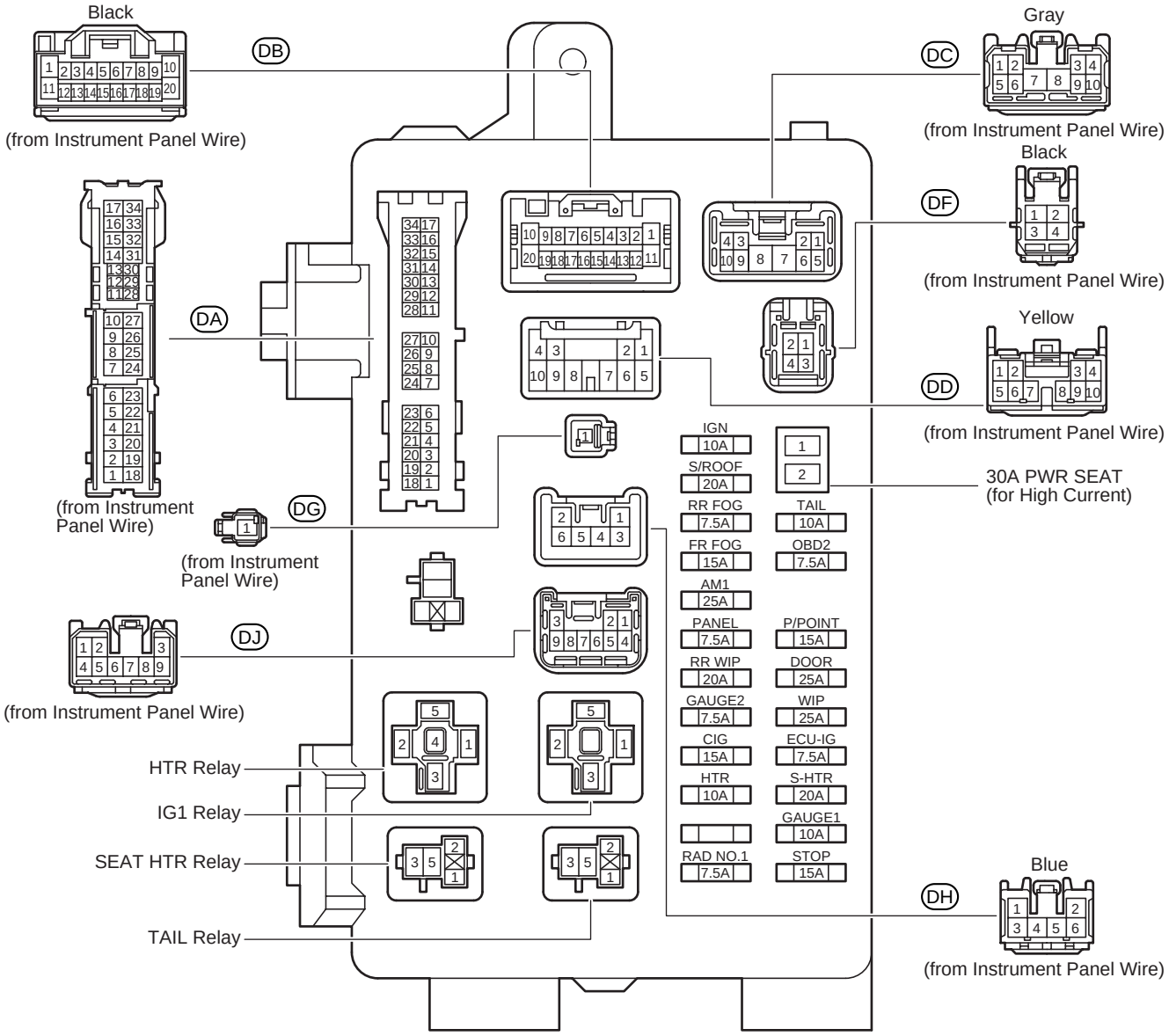
⑥ : Fuse Block ⬭ : J/B No.6	Lower Finish Panel (See Page 9)

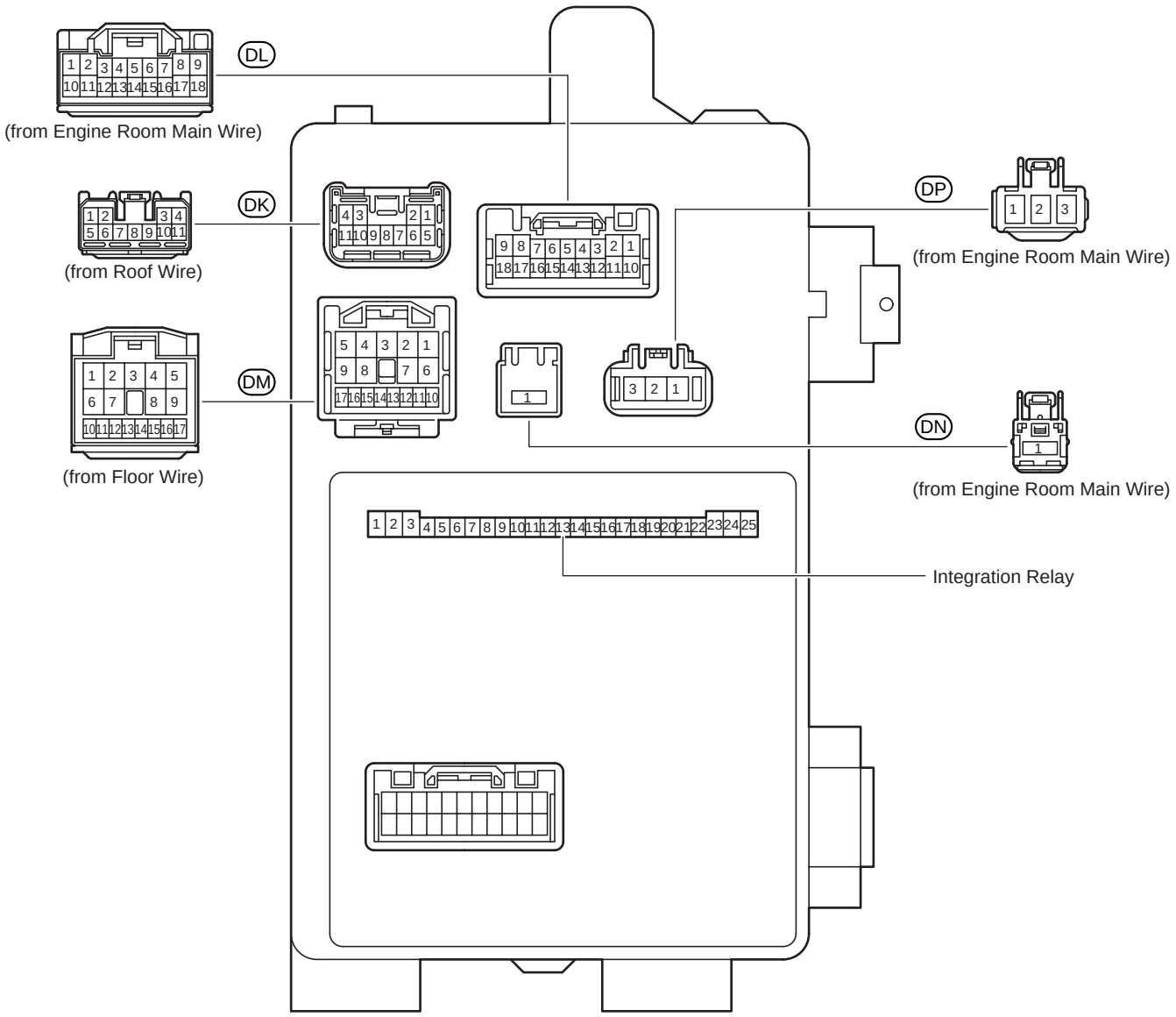
* 1:P-RR P/W (LHD)
  D-RR P/W (RHD)
* 2:P-FR P/W (LHD)
  D-FR P/W (RHD)
* 3:D-RR P/W (LHD)
  P-RR P/W (RHD)
* 4:D-FR P/W (LHD)
  P-FR P/W (RHD)



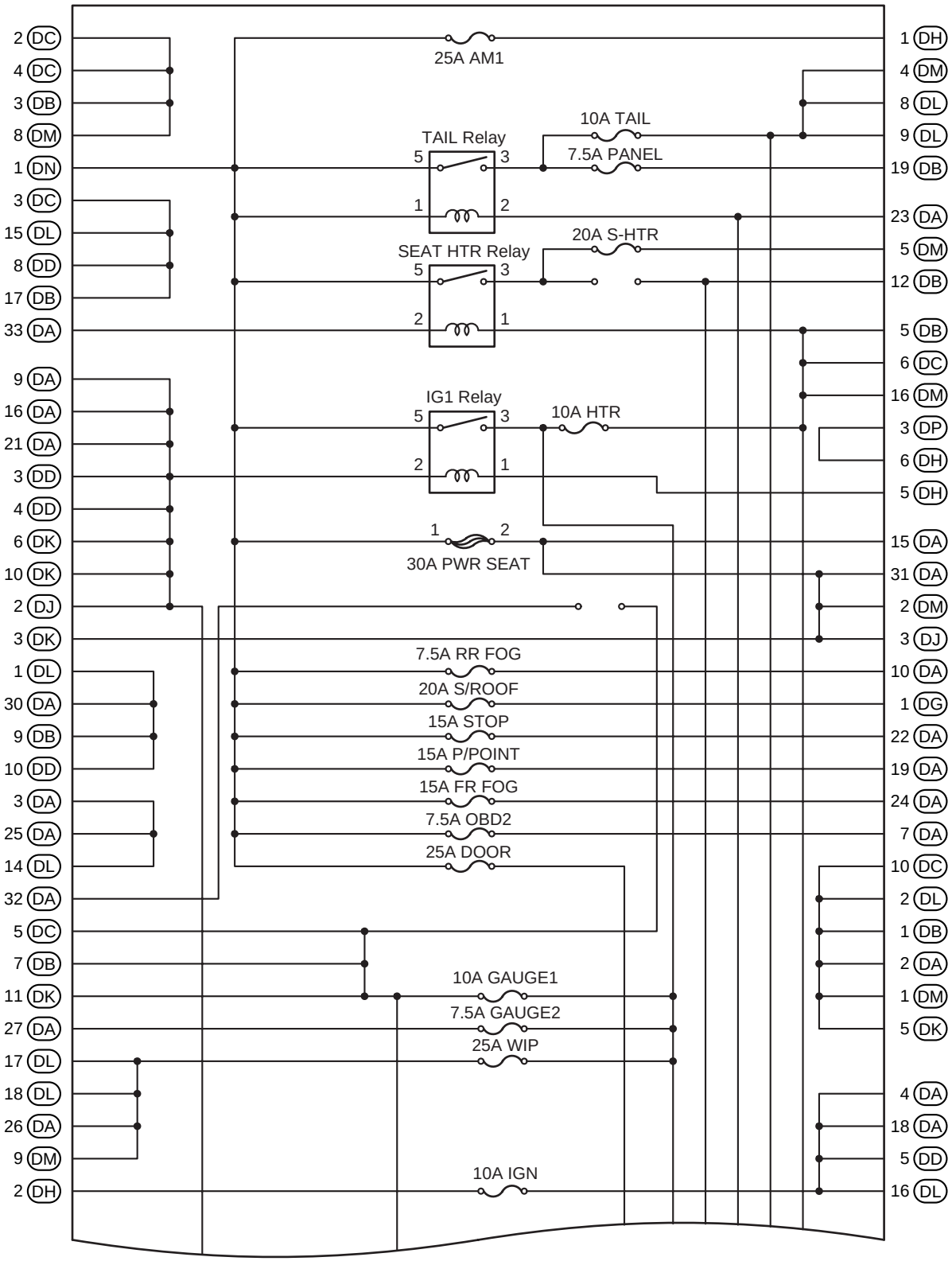
D RELAY LOCATIONS

: Driver Side J/B	Left Side of the Instrument Panel (See Page 9)



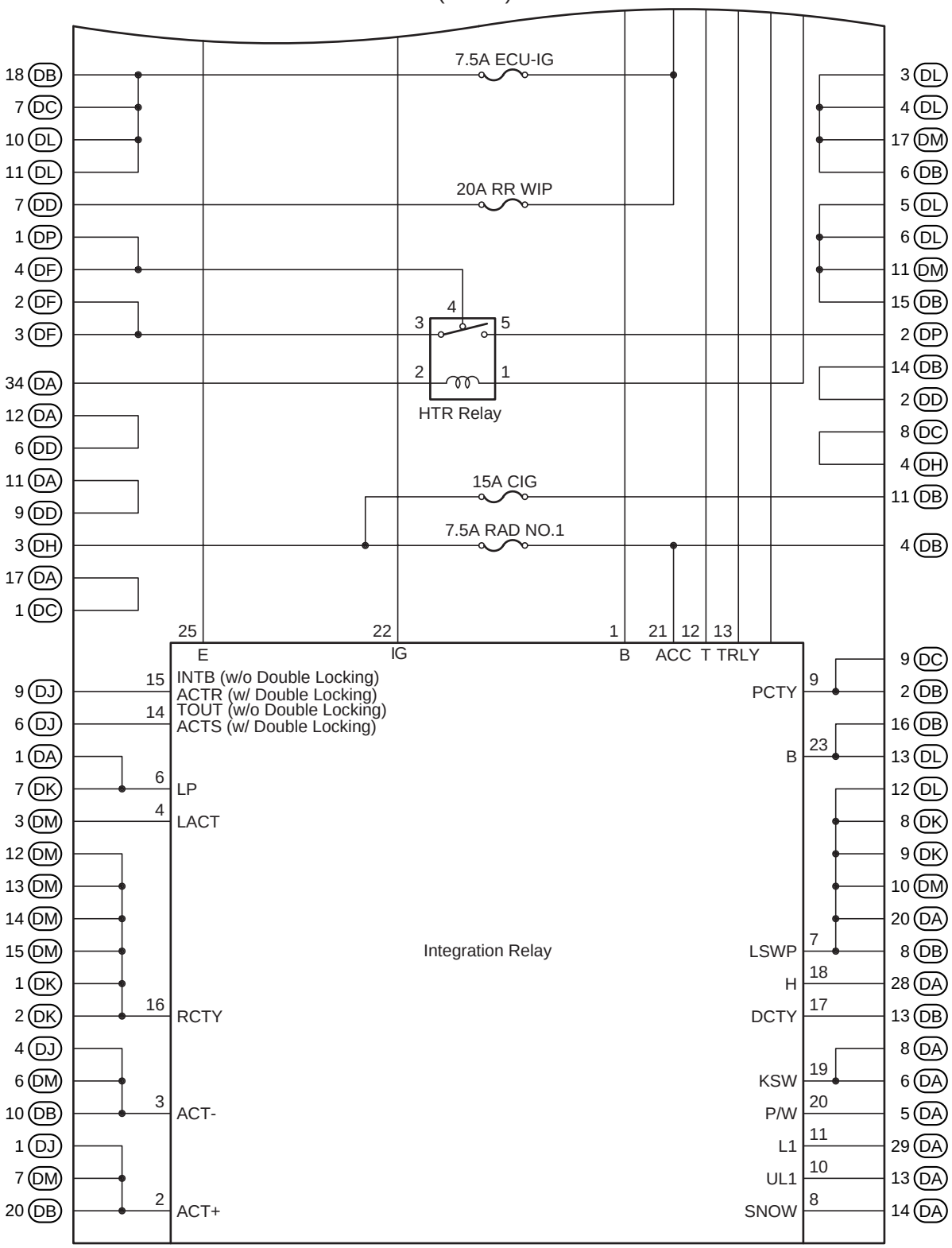

DL
(from Engine Room Main Wire)
DK
(from Roof Wire)
DM
(from Floor Wire)
DP
(from Engine Room Main Wire)
DN
(from Engine Room Main Wire)
Integration Relay

[Driver Side J/B Inner Circuit]



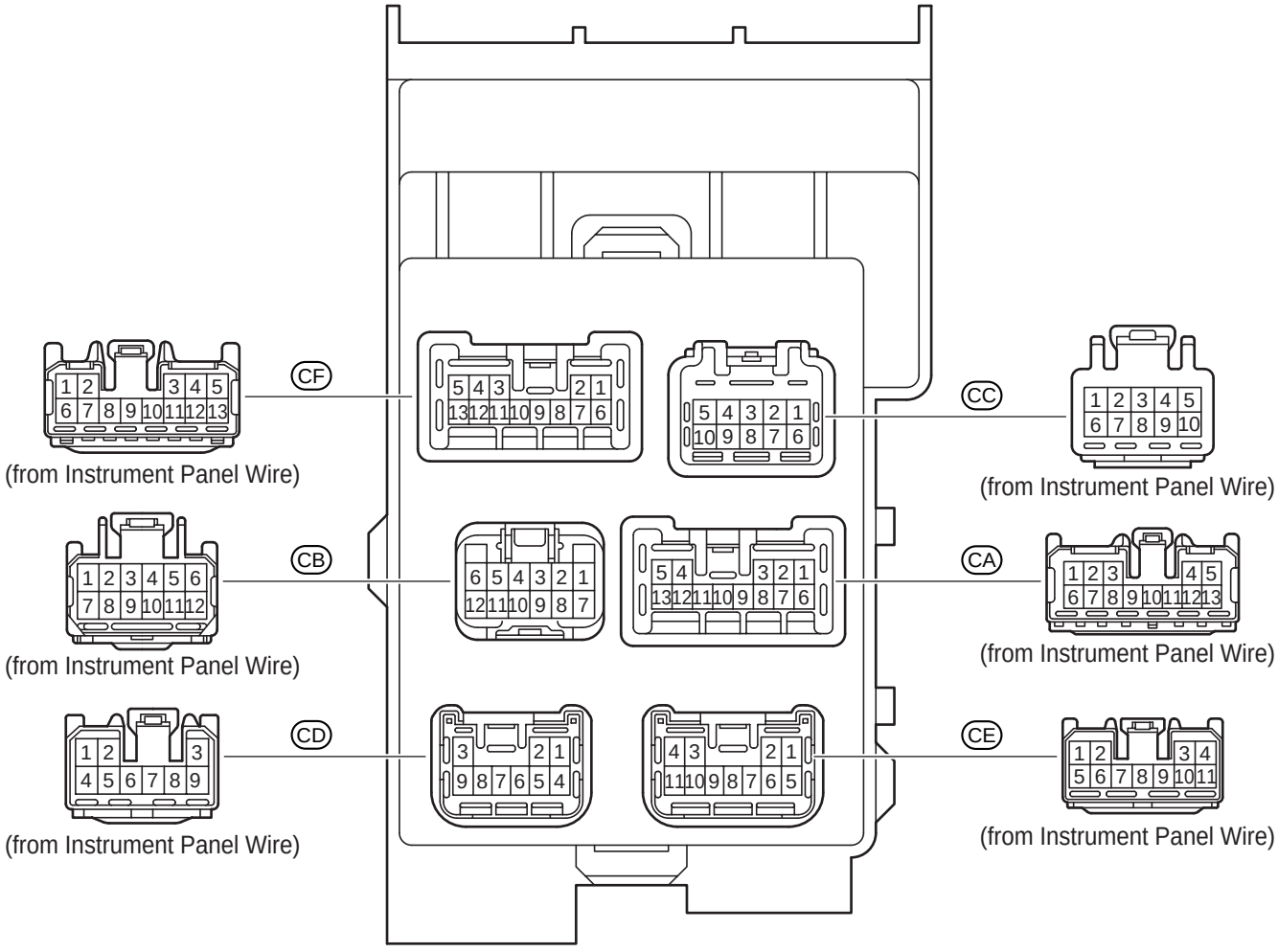
(Cont. Next Page)

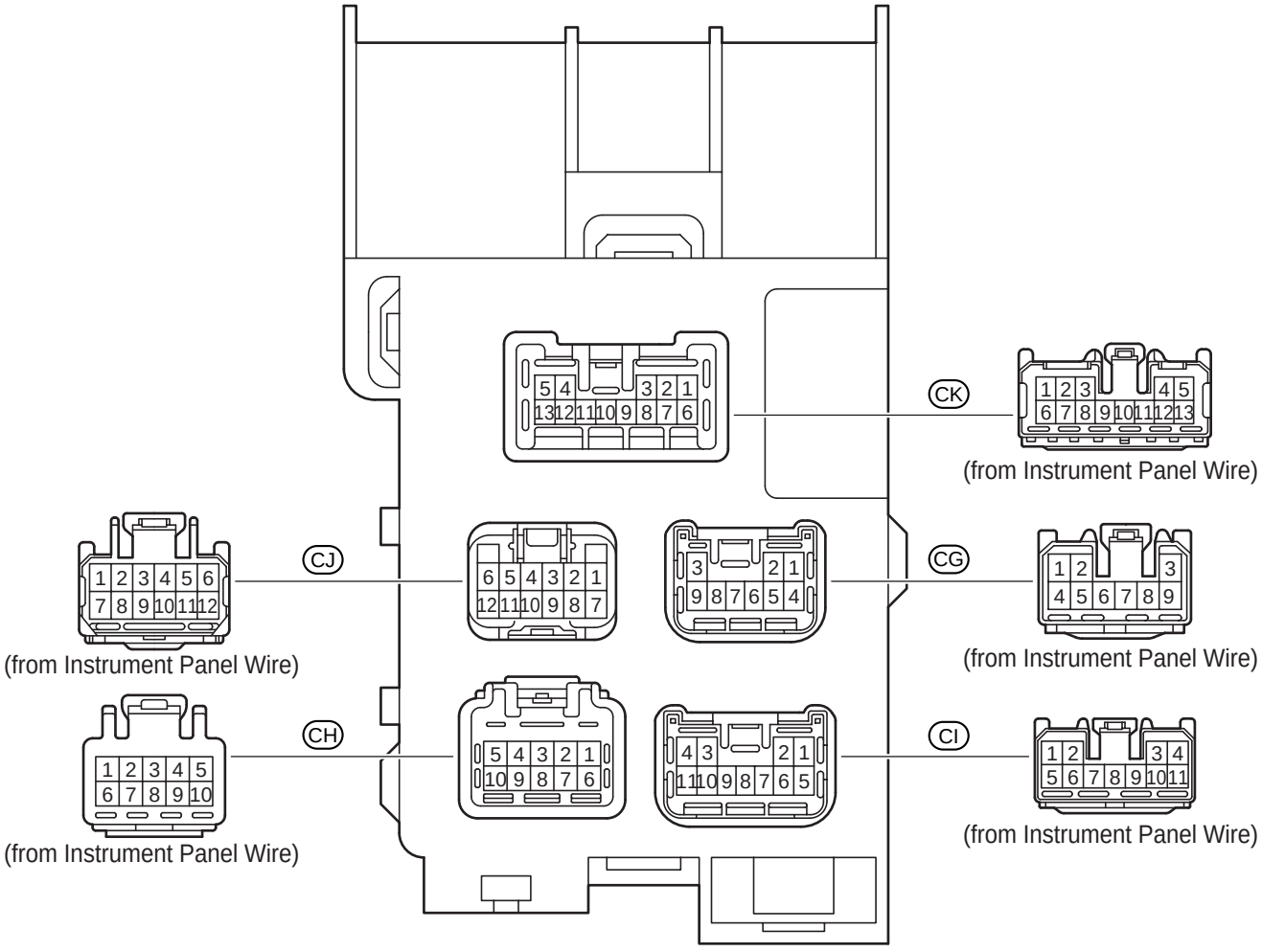
(Cont'd)


7.5A ECU-IG
20A RR WIP
HTR Relay
15A CIG
7.5A RAD NO.1
Integration Relay
INTB (w/o Double Locking)
ACTR (w/ Double Locking)
TOUT (w/o Double Locking)
ACTS (w/ Double Locking)
LP
LACT
RCTY
ACT-
ACT+
PCTY
B
LSWP
H
DCTY
KSW
P/W
L1
UL1
SNOW
E
IG
B
ACC
T
TRLY

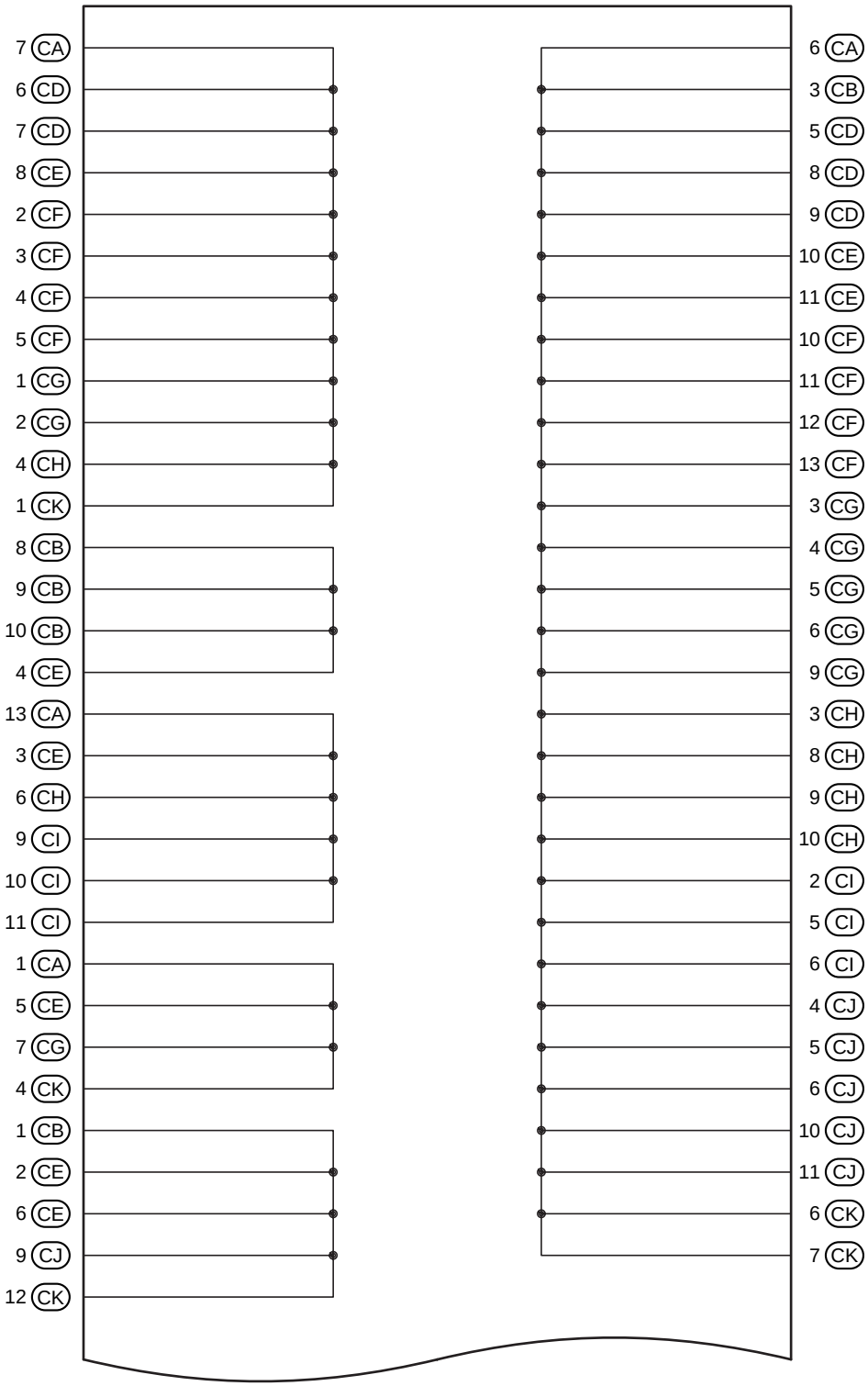
D RELAY LOCATIONS

: Center J/B	Instrument Panel Reinforcement RH (See Page 9)




CK
(from Instrument Panel Wire)
CJ
(from Instrument Panel Wire)
CG
(from Instrument Panel Wire)
CH
(from Instrument Panel Wire)
CI
(from Instrument Panel Wire)

[Center J/B Inner Circuit]



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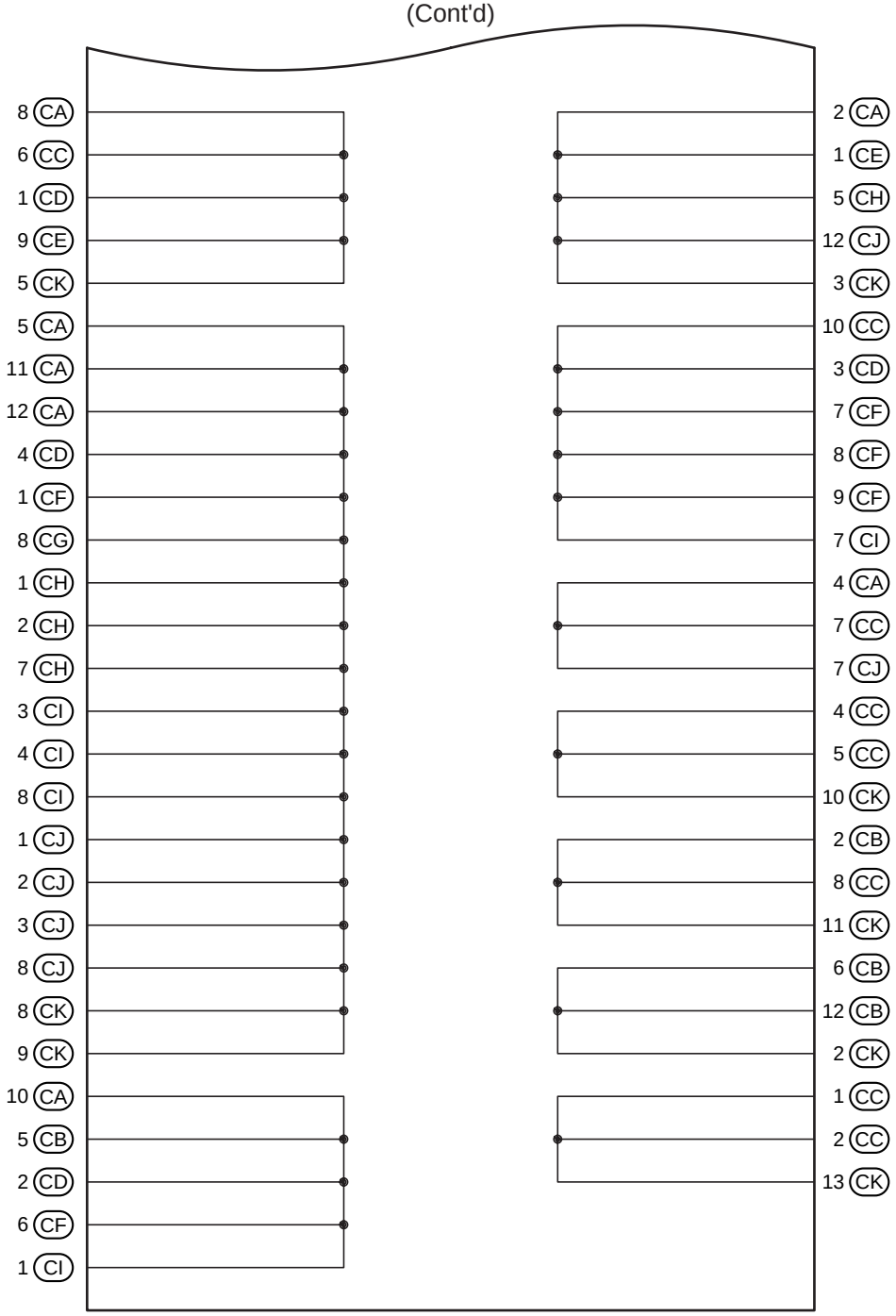
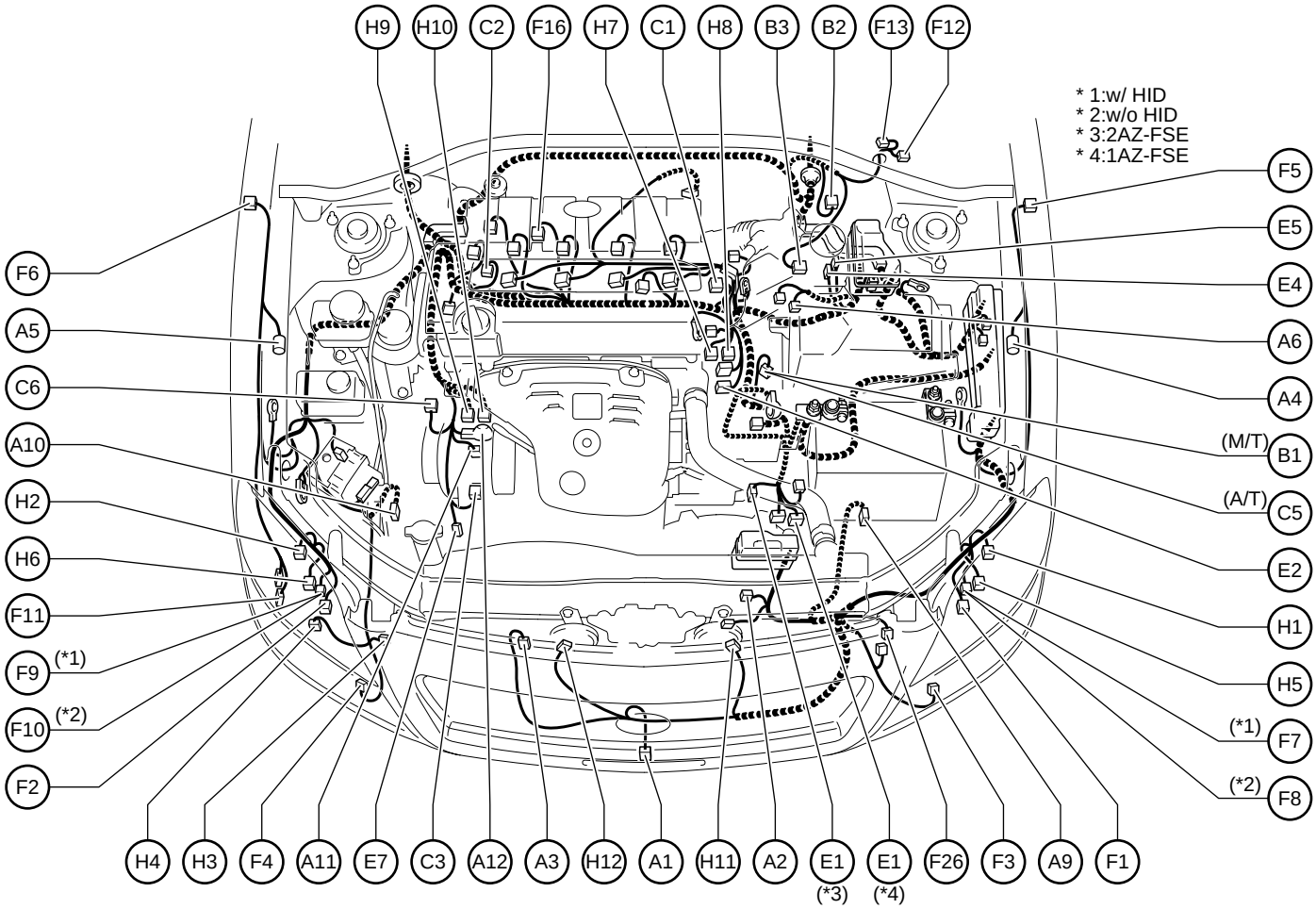
(Cont'd)


8 CA
6 CC
1 CD
9 CE
5 CK
5 CA
11 CA
12 CA
4 CD
1 CF
8 CG
1 CH
2 CH
7 CH
3 CI
4 CI
8 CI
1 CJ
2 CJ
3 CJ
8 CJ
8 CK
9 CK
10 CA
5 CB
2 CD
6 CF
1 CI
2 CA
1 CE
5 CH
12 CJ
3 CK
10 CC
3 CD
7 CF
8 CF
9 CF
7 CI
4 CA
7 CC
7 CJ
4 CC
5 CC
10 CK
2 CB
8 CC
11 CK
6 CB
12 CB
2 CK
1 CC
2 CC
13 CK

Position of Parts in Engine Compartment

[LHD : 2AZ–FSE, 1AZ–FSE]



A 1 A/C Ambient Temp. Sensor
A 2 A/C Condenser Fan Motor
A 3 A/C Pressure Sensor
A 4 ABS Speed Sensor Front LH
A 5 ABS Speed Sensor Front RH
A 6 Air Flow Meter
A 9 Airbag Sensor Front LH
A10 Airbag Sensor Front RH
A11 Alternator
A12 Alternator

B 1 Back–Up Light SW
B 2 Brake Booster Pressure Sensor
B 3 Brake Fluid Level Warning SW

C 1 Camshaft Position Sensor
C 2 Camshaft Timing Oil Control Valve
C 3 Compressor Assembly
C 5 Counter Gear Speed Sensor
C 6 Crankshaft Position Sensor

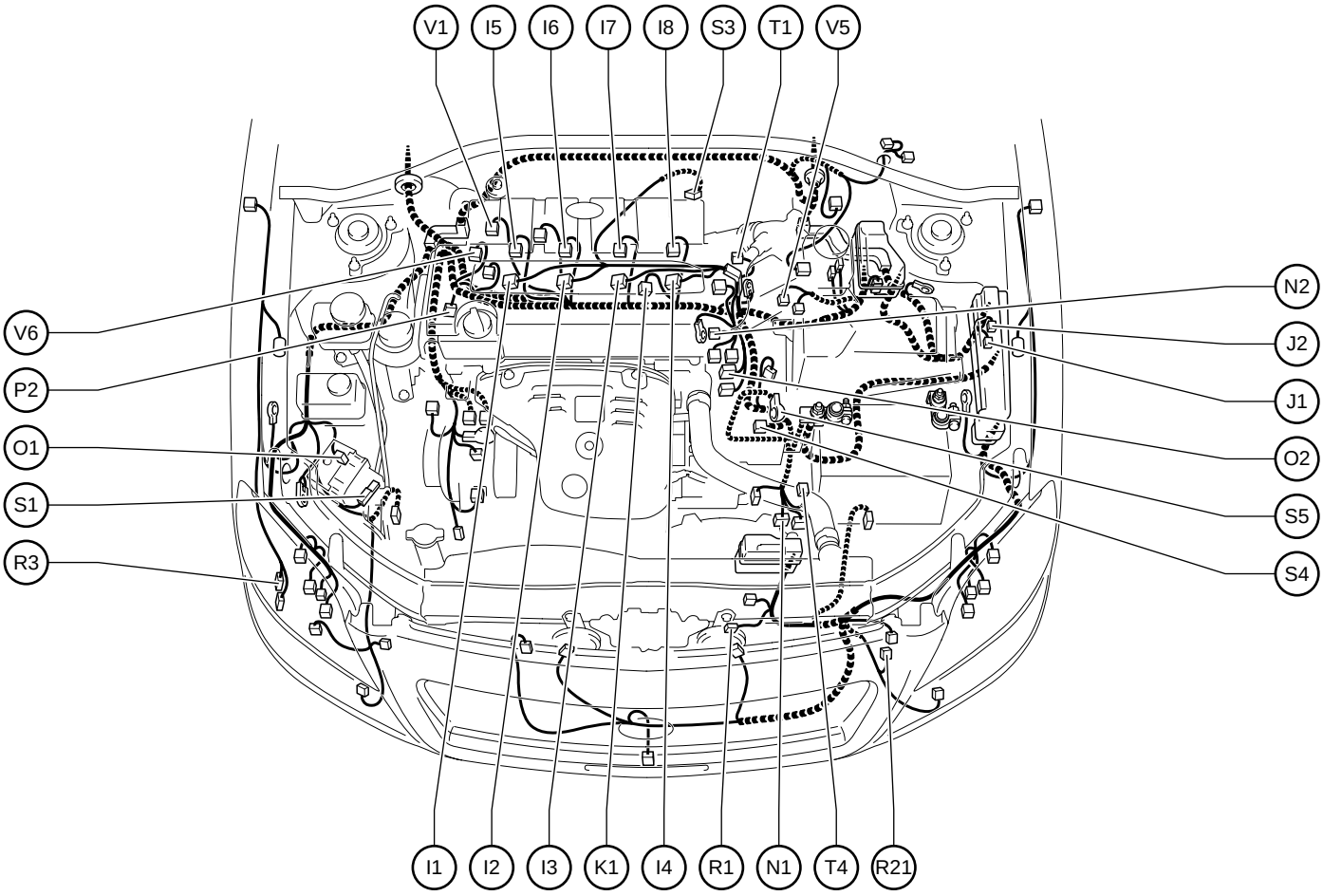
E 1 ECT Solenoid
E 2 EFI Water Temp. Sensor
E 4 Electronic Driver Unit
E 5 Electronic Driver Unit
E 7 Engine Oil Level Sensor

F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 3 Front Fog Light LH
F 4 Front Fog Light RH
F 5 Front Side Turn Signal Light LH
F 6 Front Side Turn Signal Light RH
F 7 Front Turn Signal Light LH
Headlight Control ECU LH
F 8 Front Turn Signal Light LH
Headlight LH (Low)
F 9 Front Turn Signal Light RH
Headlight Control ECU RH
F10 Front Turn Signal Light RH
Headlight RH (Low)
F11 Front Washer Motor
F12 Front Window Deicer
F13 Front Wiper Motor
F16 Fuel Pressure Sensor
F26 Fuel Pump Resistor

H 1 Headlight Beam Level Control Actuator LH
H 2 Headlight Beam Level Control Actuator RH
H 3 Headlight Cleaner Control Relay
H 4 Headlight Cleaner Motor
H 5 Headlight LH (High)
H 6 Headlight RH (High)
H 7 Heated Oxygen Sensor (Bank 1 Sensor 1)
H 8 Heated Oxygen Sensor (Bank 1 Sensor 2)
H 9 Heated Oxygen Sensor (Bank 2 Sensor 1)
H10 Heated Oxygen Sensor (Bank 2 Sensor 2)
H11 Horn LH
H12 Horn RH

Position of Parts in Engine Compartment

[LHD : 2AZ–FSE, 1AZ–FSE]



I 1 Ignition Coil and Igniter No.1
I 2 Ignition Coil and Igniter No.2
I 3 Ignition Coil and Igniter No.3
I 4 Ignition Coil and Igniter No.4
I 5 Injector No.1
I 6 Injector No.2
I 7 Injector No.3
I 8 Injector No.4

J 1 Junction Connector
J 2 Junction Connector

K 1 Knock Sensor

N 1 Neutral Start SW
N 2 Noise Filter (Ignition)

O 1 Oil Pressure Sensor
O 2 Oil Pressure SW

P 2 Power Steering Oil Pressure SW

R 1 Radiator Fan Motor
R 3 Rear Washer Motor
R21 Radiator Fan Relay

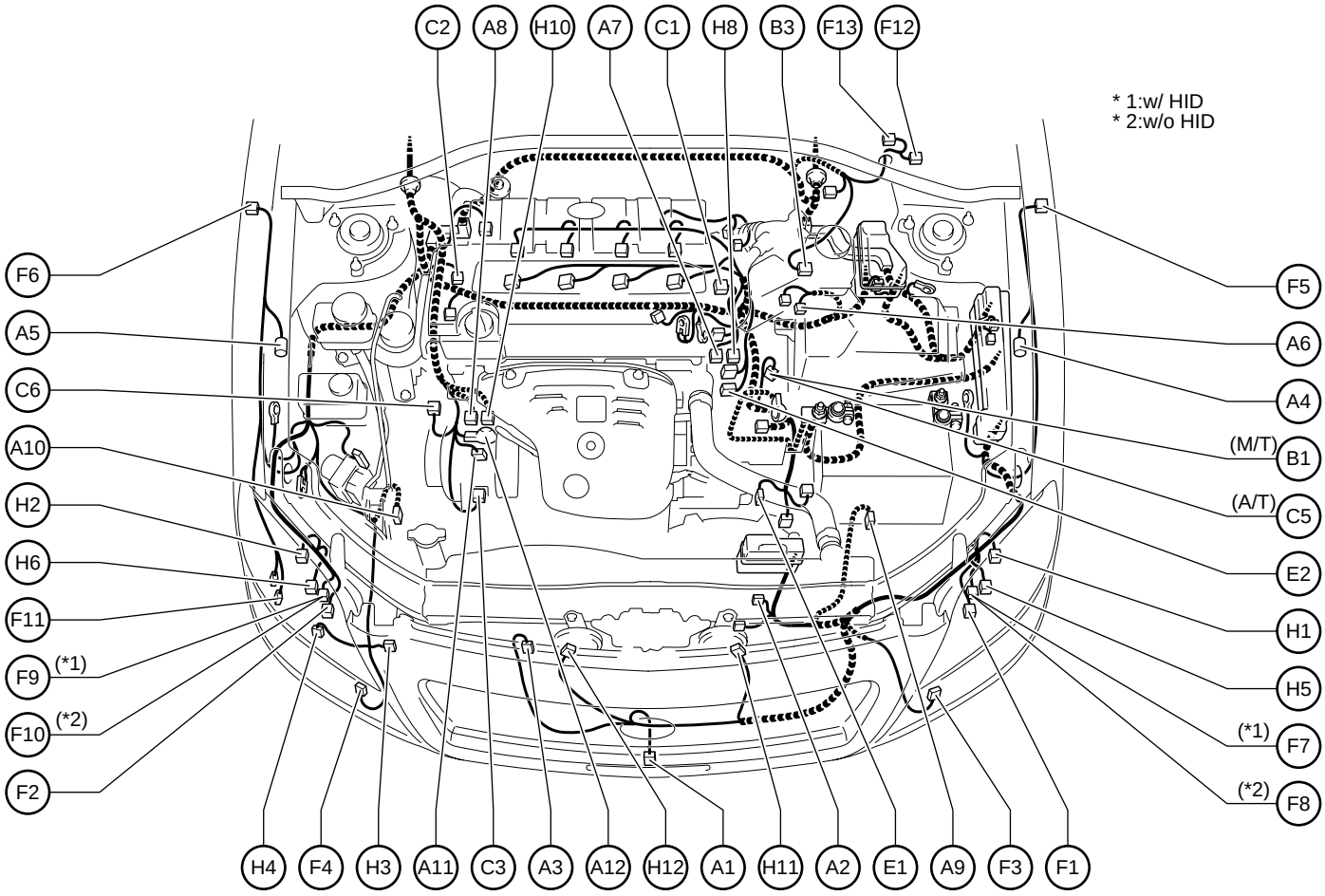
S 1 Skid Control ECU with Actuator
S 3 Spill Valve
S 4 Starter
S 5 Starter

T 1 Throttle Control Motor and Position Sensor
T 4 Turbine Speed Sensor

V 1 Vacuum Sensor
V 5 VSV (EVAP)
V 6 VSV (Intake Air Control Valve)

Position of Parts in Engine Compartment

[LHD : 1AZ–FE]



A 1 A/C Ambient Temp. Sensor
A 2 A/C Condenser Fan Motor
A 3 A/C Pressure Sensor
A 4 ABS Speed Sensor Front LH
A 5 ABS Speed Sensor Front RH
A 6 Air Flow Meter
A 7 Air Fuel Ratio Sensor (Bank 1 Sensor 1)
A 8 Air Fuel Ratio Sensor (Bank 2 Sensor 1)
A 9 Airbag Sensor Front LH
A10 Airbag Sensor Front RH
A11 Alternator
A12 Alternator

B 1 Back–Up Light SW
B 3 Brake Fluid Level Warning SW

C 1 Camshaft Position Sensor
C 2 Camshaft Timing Oil Control Valve
C 3 Compressor Assembly
C 5 Counter Gear Speed Sensor
C 6 Crankshaft Position Sensor

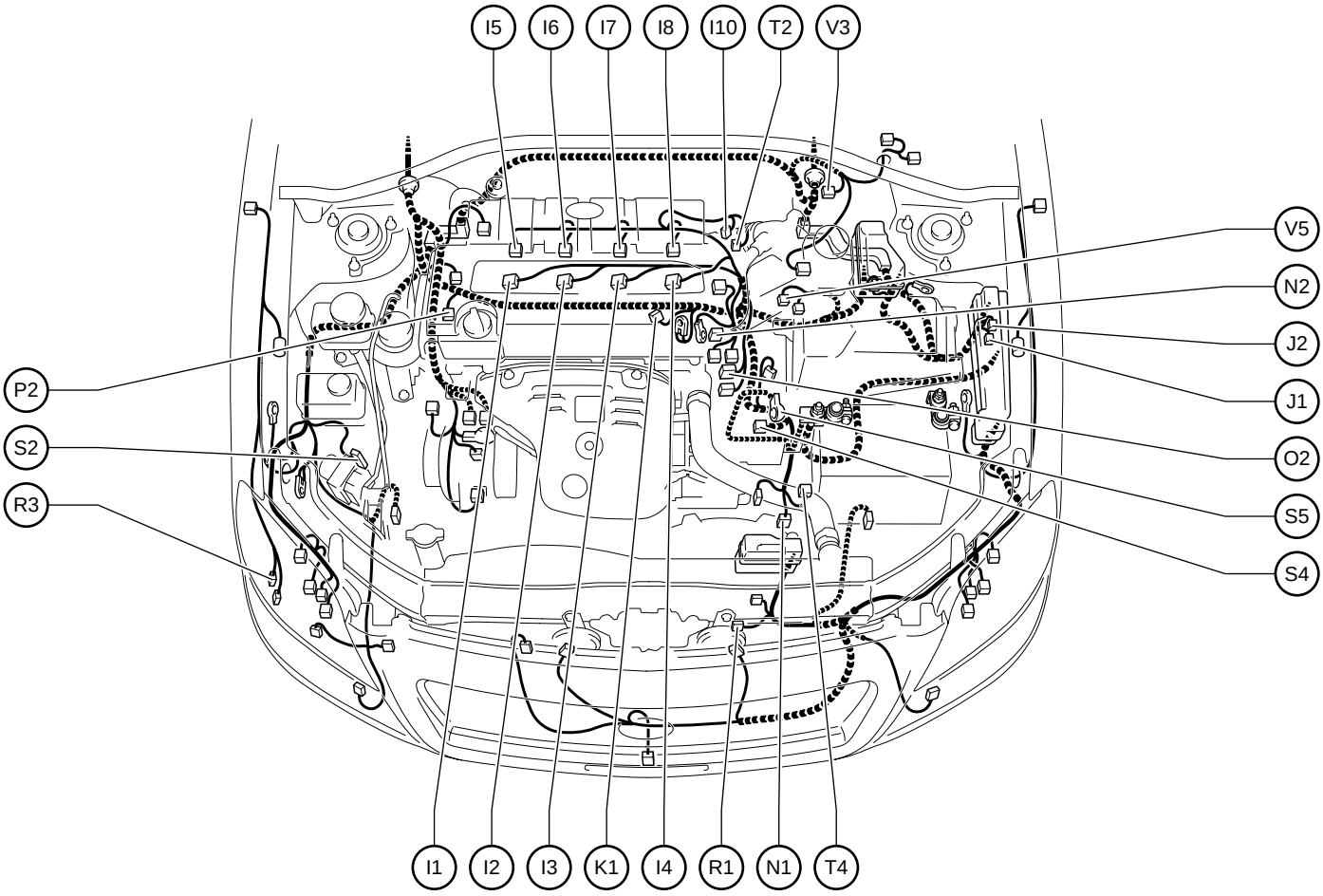
E 1 ECT Solenoid
E 2 EFI Water Temp. Sensor

F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 3 Front Fog Light LH
F 4 Front Fog Light RH
F 5 Front Side Turn Signal Light LH
F 6 Front Side Turn Signal Light RH
F 7 Front Turn Signal Light LH
Headlight Control ECU LH
F 8 Front Turn Signal Light LH
Headlight LH (Low)
F 9 Front Turn Signal Light RH
Headlight Control ECU RH
F10 Front Turn Signal Light RH
Headlight RH (Low)
F11 Front Washer Motor
F12 Front Window Deicer
F13 Front Wiper Motor

H 1 Headlight Beam Level Control Actuator LH
H 2 Headlight Beam Level Control Actuator RH
H 3 Headlight Cleaner Control Relay
H 4 Headlight Cleaner Motor
H 5 Headlight LH (High)
H 6 Headlight RH (High)
H 8 Heated Oxygen Sensor (Bank 1 Sensor 2)
H10 Heated Oxygen Sensor (Bank 2 Sensor 2)
H11 Horn LH
H12 Horn RH

Position of Parts in Engine Compartment

[LHD : 1AZ–FE]



I 1 Ignition Coil and Igniter No.1
I 2 Ignition Coil and Igniter No.2
I 3 Ignition Coil and Igniter No.3
I 4 Ignition Coil and Igniter No.4
I 5 Injector No.1
I 6 Injector No.2
I 7 Injector No.3
I 8 Injector No.4
I 10 ISC Valve

J 1 Junction Connector
J 2 Junction Connector

K 1 Knock Sensor

N 1 Neutral Start SW
N 2 Noise Filter (Ignition)

O 2 Oil Pressure SW

P 2 Power Steering Oil Pressure SW

R 1 Radiator Fan Motor
R 3 Rear Washer Motor

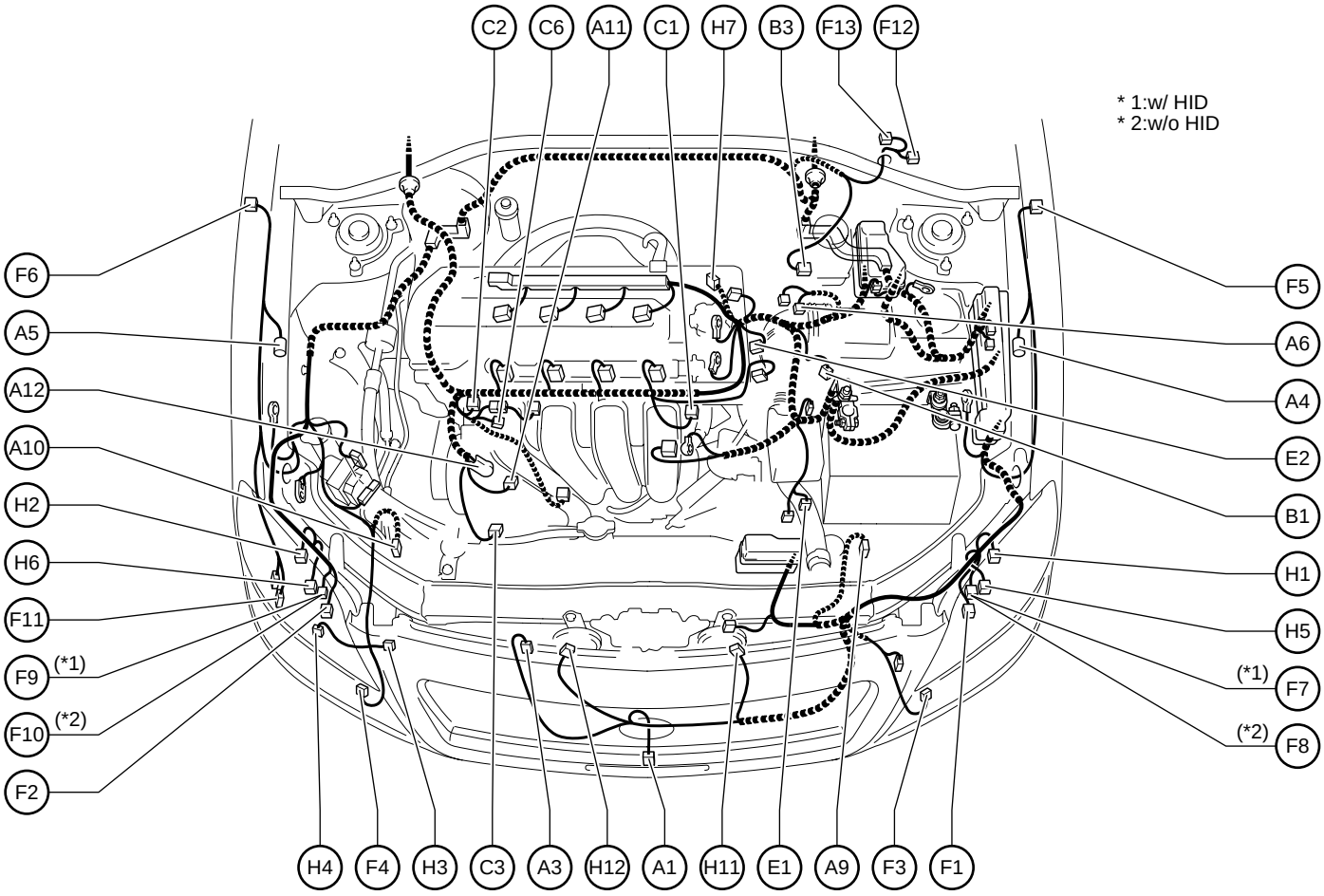
S 2 Skid Control ECU with Actuator
S 4 Starter
S 5 Starter

T 2 Throttle Position Sensor
T 4 Turbine Speed Sensor

V 3 Variable Resistor
V 5 VSV (EVAP)

Position of Parts in Engine Compartment

[LHD : 1ZZ–FE, 3ZZ–FE]



A 1 A/C Ambient Temp. Sensor
A 3 A/C Pressure Sensor
A 4 ABS Speed Sensor Front LH
A 5 ABS Speed Sensor Front RH
A 6 Air Flow Meter
A 9 Airbag Sensor Front LH
A10 Airbag Sensor Front RH
A11 Alternator
A12 Alternator

B 1 Back–Up Light SW
B 3 Brake Fluid Level Warning SW

C 1 Camshaft Position Sensor
C 2 Camshaft Timing Oil Control Valve
C 3 Compressor Assembly
C 6 Crankshaft Position Sensor

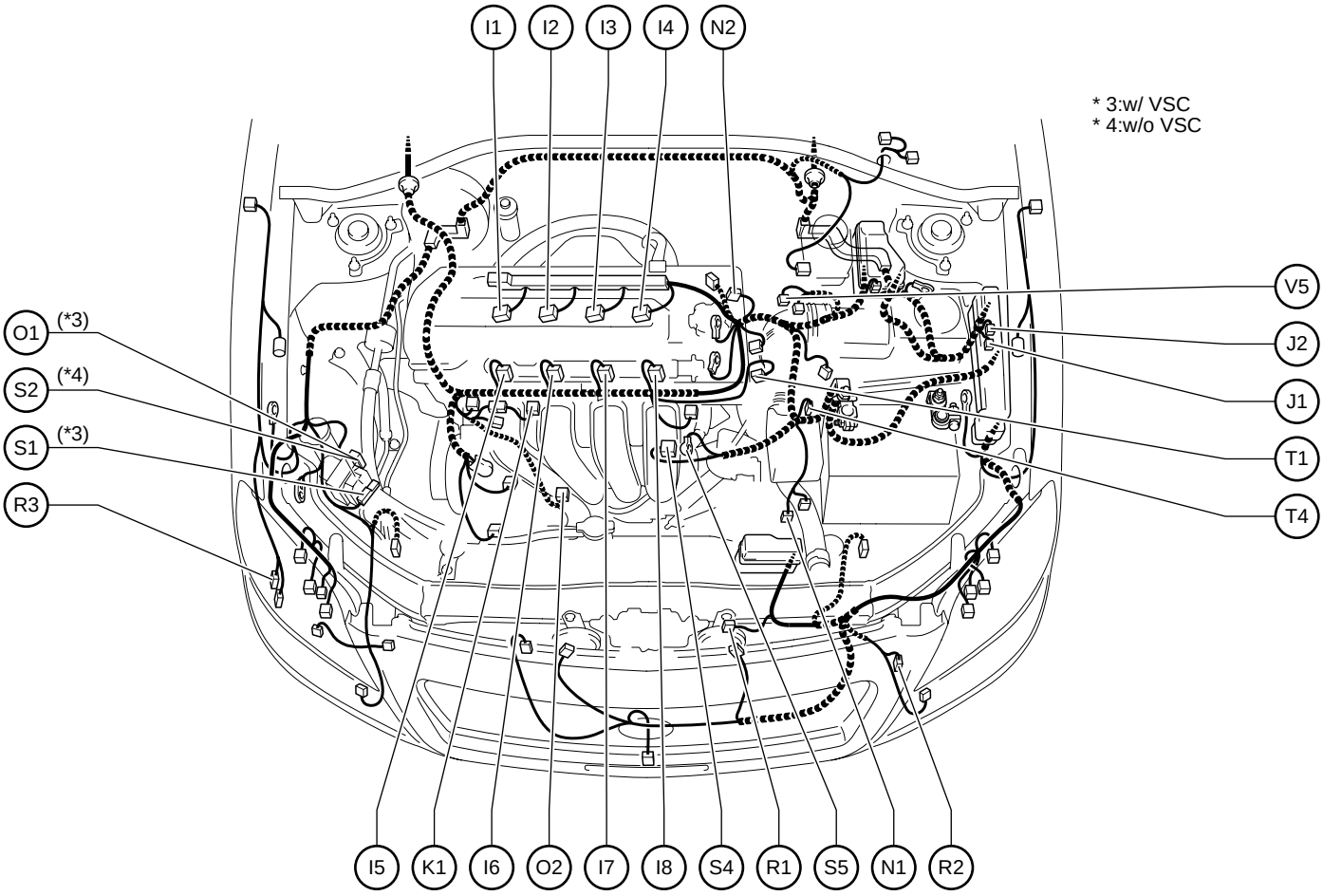
E 1 ECT Solenoid
E 2 EFI Water Temp. Sensor

F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 3 Front Fog Light LH
F 4 Front Fog Light RH
F 5 Front Side Turn Signal Light LH
F 6 Front Side Turn Signal Light RH
F 7 Front Turn Signal Light LH
Headlight Control ECU LH
F 8 Front Turn Signal Light LH
Headlight LH (Low)
F 9 Front Turn Signal Light RH
Headlight Control ECU RH
F10 Front Turn Signal Light RH
Headlight RH (Low)
F11 Front Washer Motor
F12 Front Window Deicer
F13 Front Wiper Motor

H 1 Headlight Beam Level Control Actuator LH
H 2 Headlight Beam Level Control Actuator RH
H 3 Headlight Cleaner Control Relay
H 4 Headlight Cleaner Motor
H 5 Headlight LH (High)
H 6 Headlight RH (High)
H 7 Heated Oxygen Sensor (Bank 1 Sensor 1)
H11 Horn LH
H12 Horn RH

Position of Parts in Engine Compartment

[LHD : 1ZZ–FE, 3ZZ–FE]



I 1 Ignition Coil and Igniter No.1
I 2 Ignition Coil and Igniter No.2
I 3 Ignition Coil and Igniter No.3
I 4 Ignition Coil and Igniter No.4
I 5 Injector No.1
I 6 Injector No.2
I 7 Injector No.3
I 8 Injector No.4

J 1 Junction Connector
J 2 Junction Connector

K 1 Knock Sensor

N 1 Neutral Start SW
N 2 Noise Filter (Ignition)

O 1 Oil Pressure Sensor
O 2 Oil Pressure SW

R 1 Radiator Fan Motor
R 2 Radiator Fan Resistor
R 3 Rear Washer Motor

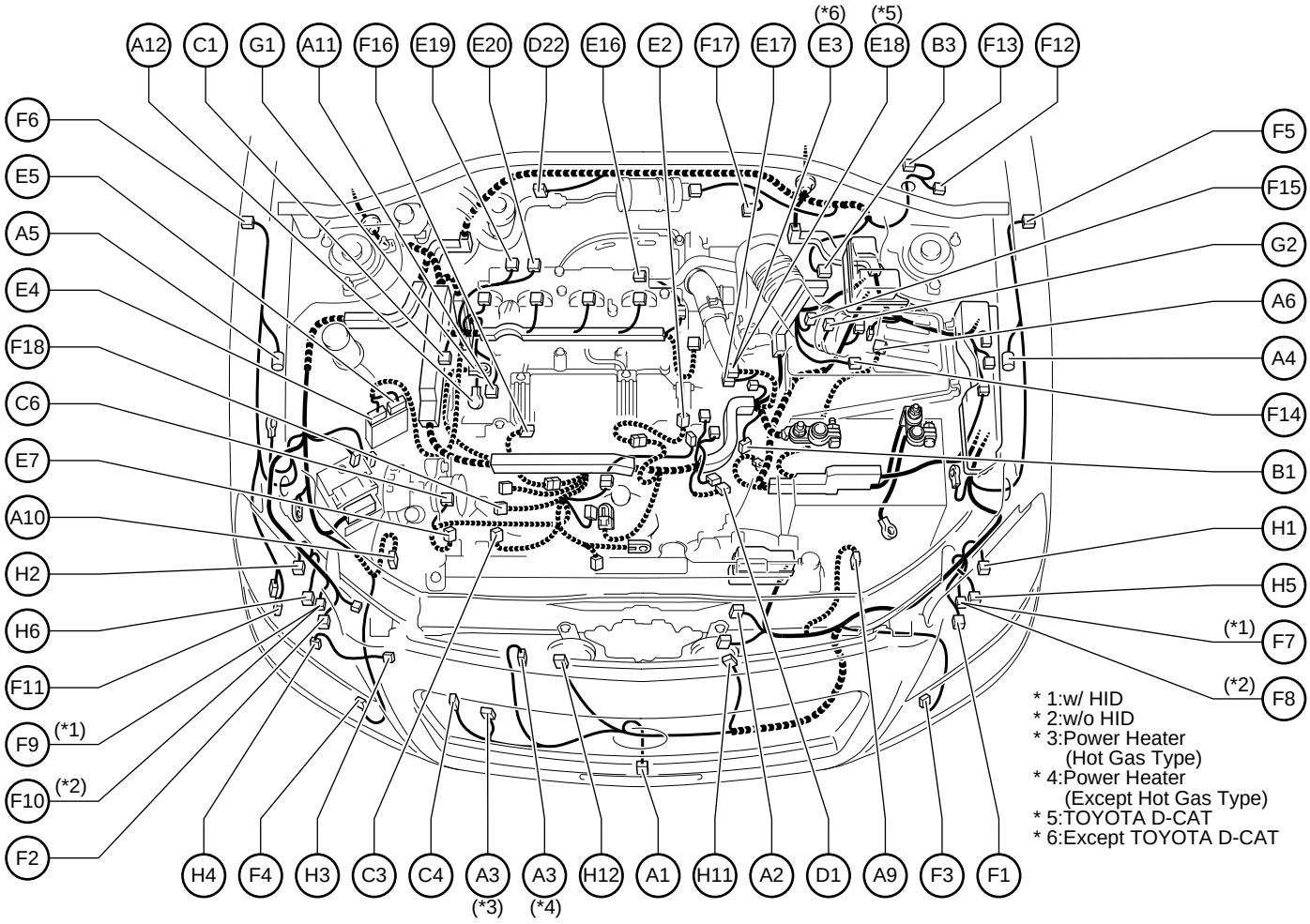
S 1 Skid Control ECU with Actuator
S 2 Skid Control ECU with Actuator
S 4 Starter
S 5 Starter

T 1 Throttle Control Motor and Position Sensor
T 4 Turbine Speed Sensor

V 5 VSV (EVAP)

Position of Parts in Engine Compartment

[LHD : 1CD–FTV]



A 1 A/C Ambient Temp. Sensor
A 2 A/C Condenser Fan Motor
A 3 A/C Pressure Sensor
A 4 ABS Speed Sensor Front LH
A 5 ABS Speed Sensor Front RH
A 6 Air Flow Meter
A 9 Airbag Sensor Front LH
A 10 Airbag Sensor Front RH
A 11 Alternator
A 12 Alternator

B 1 Back–Up Light SW
B 3 Brake Fluid Level Warning SW

C 1 Camshaft Position Sensor
C 3 Compressor Assembly
C 4 Condenser Assembly
C 6 Crankshaft Position Sensor

D 1 Diesel Throttle Control Motor
D 22 Differential Pressure Sensor

E 2 EFI Water Temp. Sensor
E 3 EGR Valve Control Motor
E 4 Electronic Driver Unit
E 5 Electronic Driver Unit
E 7 Engine Oil Level Sensor
E 16 Exhaust Fuel Addition Injector Assembly
E 17 EGR Valve Assembly
E 18 EGR Valve Position Sensor
E 19 Exhaust Gas Temperature Sensor (Front)
E 20 Exhaust Gas Temperature Sensor (Rear)

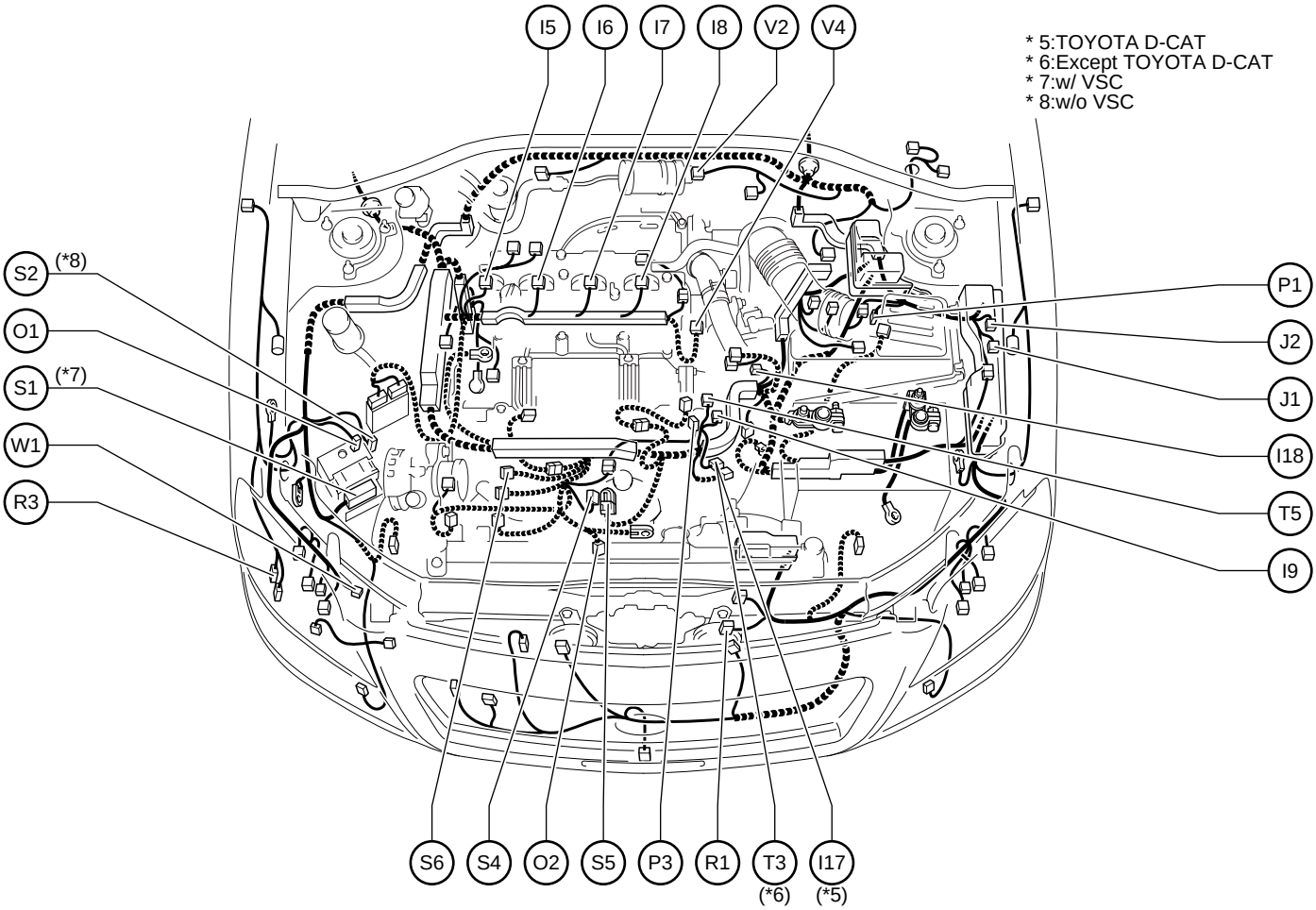
F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 3 Front Fog Light LH
F 4 Front Fog Light RH
F 5 Front Side Turn Signal Light LH
F 6 Front Side Turn Signal Light RH
F 7 Front Turn Signal Light LH
Headlight Control ECU LH
F 8 Front Turn Signal Light LH
Headlight LH (Low)
F 9 Front Turn Signal Light RH
Headlight Control ECU RH
F 10 Front Turn Signal Light RH
Headlight RH (Low)
F 11 Front Washer Motor
F 12 Front Window Deicer
F 13 Front Wiper Motor
F 14 Fuel Filter Warning SW
F 15 Fuel Heater
F 16 Fuel Pressure Sensor
F 17 Fuel Pump
F 18 Fuel Temp. Sensor

G 1 Glow Plug
G 2 Glow Plug Relay

H 1 Headlight Beam Level Control Actuator LH
H 2 Headlight Beam Level Control Actuator RH
H 3 Headlight Cleaner Control Relay
H 4 Headlight Cleaner Motor
H 5 Headlight LH (High)
H 6 Headlight RH (High)
H 11 Horn LH
H 12 Horn RH

Position of Parts in Engine Compartment

[LHD : 1CD–FTV]



I 5 Injector No.1
I 6 Injector No.2
I 7 Injector No.3
I 8 Injector No.4
I 9 Intake Air Temp. Sensor
I 17 Intake Shutter Assembly
I 18 Intake Shutter Assembly

J 1 Junction Connector
J 2 Junction Connector

O 1 Oil Pressure Sensor
O 2 Oil Pressure SW

P 1 Power Heater Assembly
P 3 Pressure Discharge Valve

R 1 Radiator Fan Motor
R 3 Rear Washer Motor

S 1 Skid Control ECU with Actuator
S 2 Skid Control ECU with Actuator
S 4 Starter
S 5 Starter
S 6 Suction Control Valve

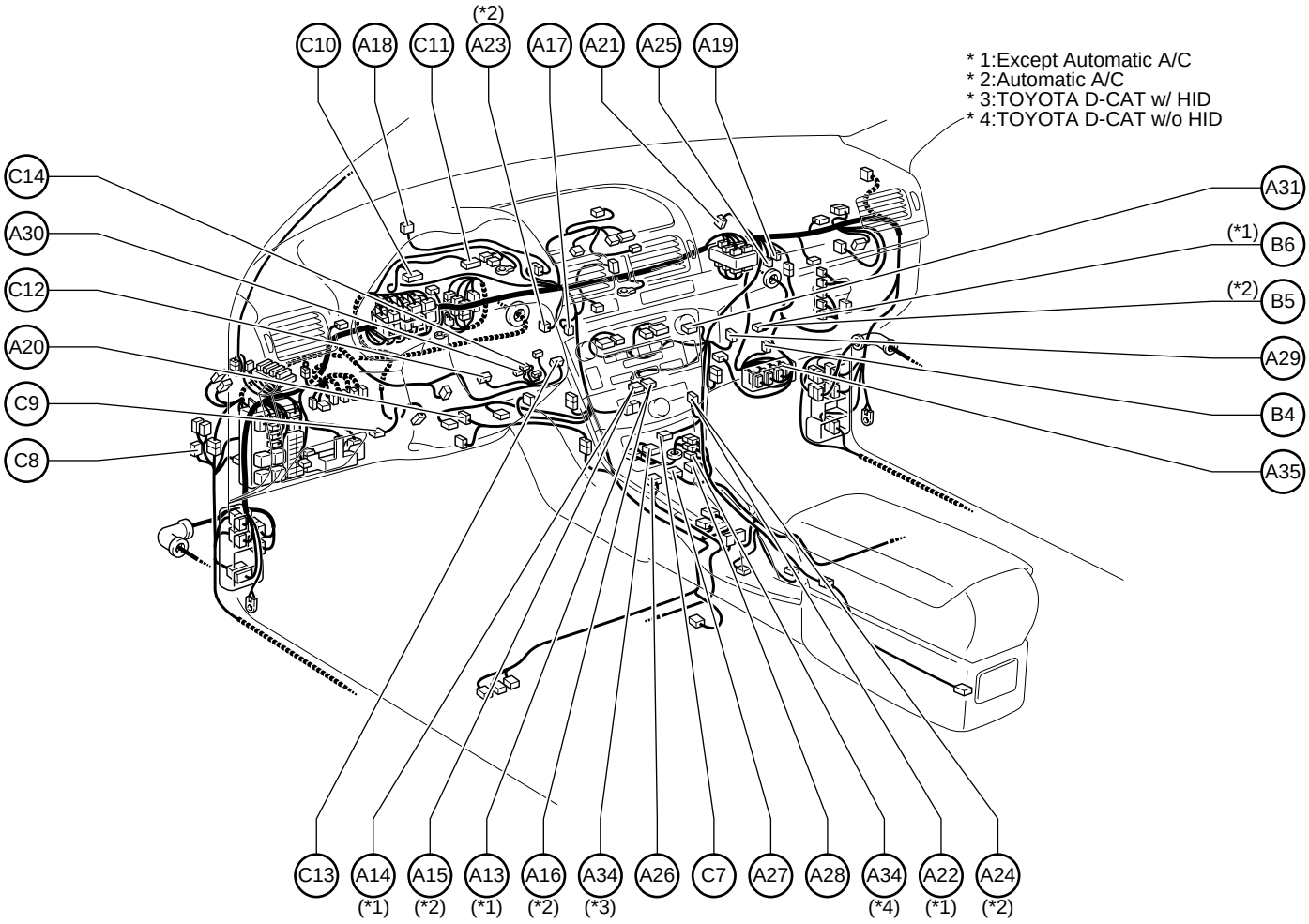
T 3 Throttle Position SW
T 5 Turbo Pressure Sensor

V 2 Vacuum SW
V 4 VRV (EGR)

W 1 Water Temp. SW (Radiator Fan)

Position of Parts in Instrument Panel

[LHD]



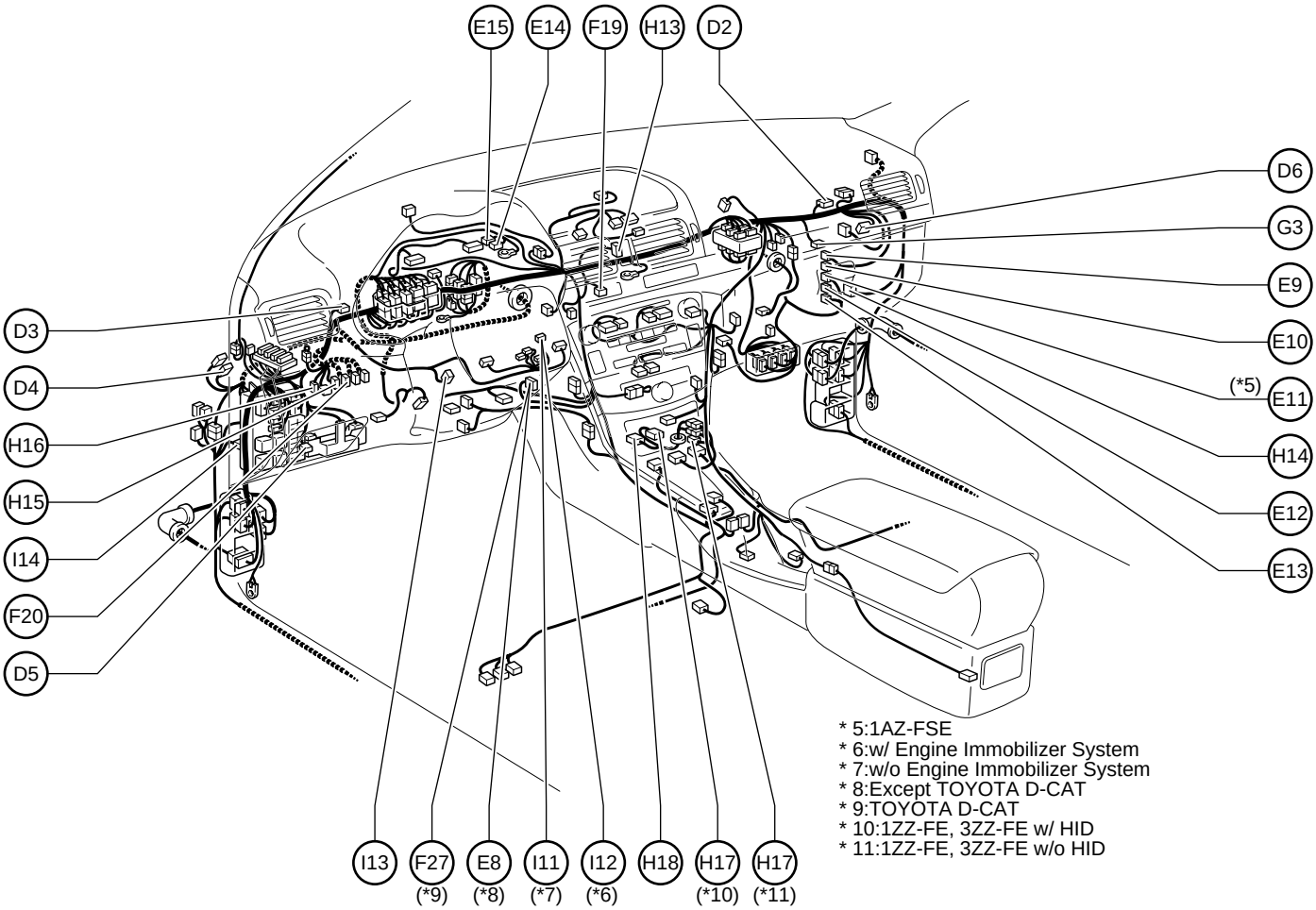
A13 A/C Control Assembly
A14 A/C Control Assembly
A15 A/C Control Assembly
A16 A/C Control Assembly
A17 A/C Room Temp. Sensor
A18 A/C Solar Sensor
A19 A/C Thermistor
A20 Accel Position Sensor
A21 Air Inlet Control Servo Motor
A22 Air Mix Control Servo Motor
A23 Air Mix Control Servo Motor (Driver Side)
A24 Air Mix Control Servo Motor (Front Passenger Side)
A25 Air Vent Mode Control Servo Motor
A26 Airbag Sensor Assembly
A27 Airbag Sensor Assembly
A28 Airbag Sensor Assembly
A29 Airbag Squib (Front Passenger Airbag Assembly)
A30 Airbag Squib (Steering Wheel Pad)
A31 Antenna Amplifier
A34 Air Fuel Ratio Sensor
A35 Air Fuel Ratio Sensor Relay

B 4 Blower Motor
B 5 Blower Motor Controller
B 6 Blower Resistor

C 7 Cigarette Lighter
Cigarette Lighter Illumination
C 8 Circuit Opening Relay
C 9 Clutch Start SW
C10 Combination Meter
C11 Combination Meter
C12 Combination SW
C13 Combination SW
C14 Combination SW

Position of Parts in Instrument Panel

[LHD]



D 2 Diode
D 3 Diode
D 4 Diode (Fan)
D 5 DLC3
D 6 Door Control Receiver

E 8 ECT Pattern Select SW
E 9 Engine and ECT ECU (A/T)
Engine ECU (M/T)
E 10 Engine and ECT ECU (A/T)
Engine ECU (M/T)
E 11 Engine and ECT ECU (A/T)
Engine ECU (M/T)
E 12 Engine and ECT ECU (A/T)
Engine ECU (M/T)
E 13 Engine and ECT ECU (A/T)
Engine ECU (M/T)
E 14 EPS ECU
E 15 EPS ECU

F 19 Front Passenger's Seat Belt Warning Light
Rear Window Defogger SW
Security Indicator Light
F 20 Front Wiper Deicer SW
F 27 Fuel Control SW

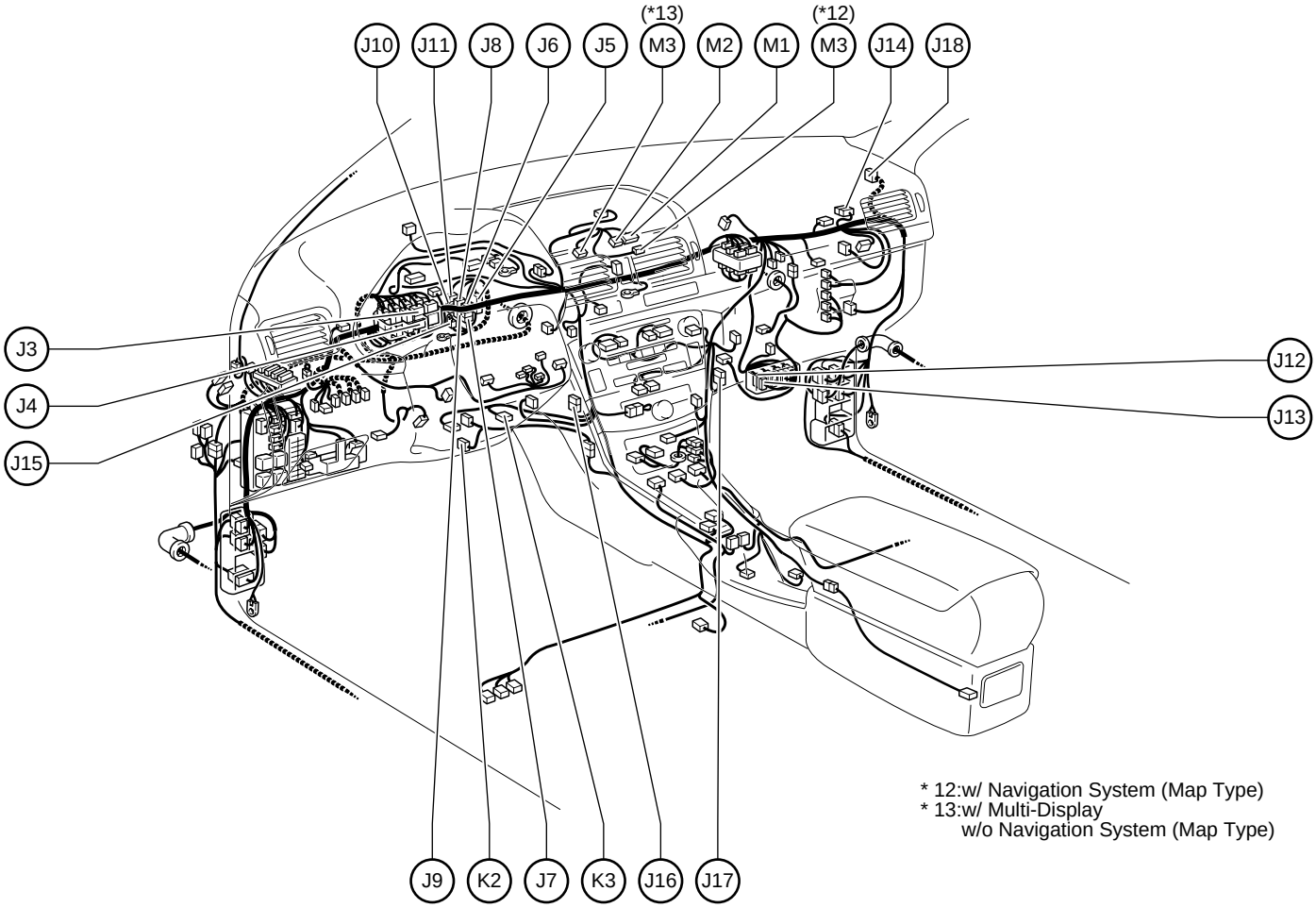
G 3 Glove Box Light

H13 Hazard SW
H14 Headlight Beam Level Control ECU
H15 Headlight Beam Level Control SW
H16 Headlight Cleaner SW
H17 Heated Oxygen Sensor (Bank 1 Sensor 2)
H18 Height Control Sensor (Front)

I 11 Ignition Key Cylinder Light
I 12 Ignition Key Cylinder Light
Transponder Key Amplifier
I 13 Ignition SW
I 14 Integration Relay

Position of Parts in Instrument Panel

[LHD]



* 12:w/ Navigation System (Map Type)
* 13:w/ Multi-Display
w/o Navigation System (Map Type)

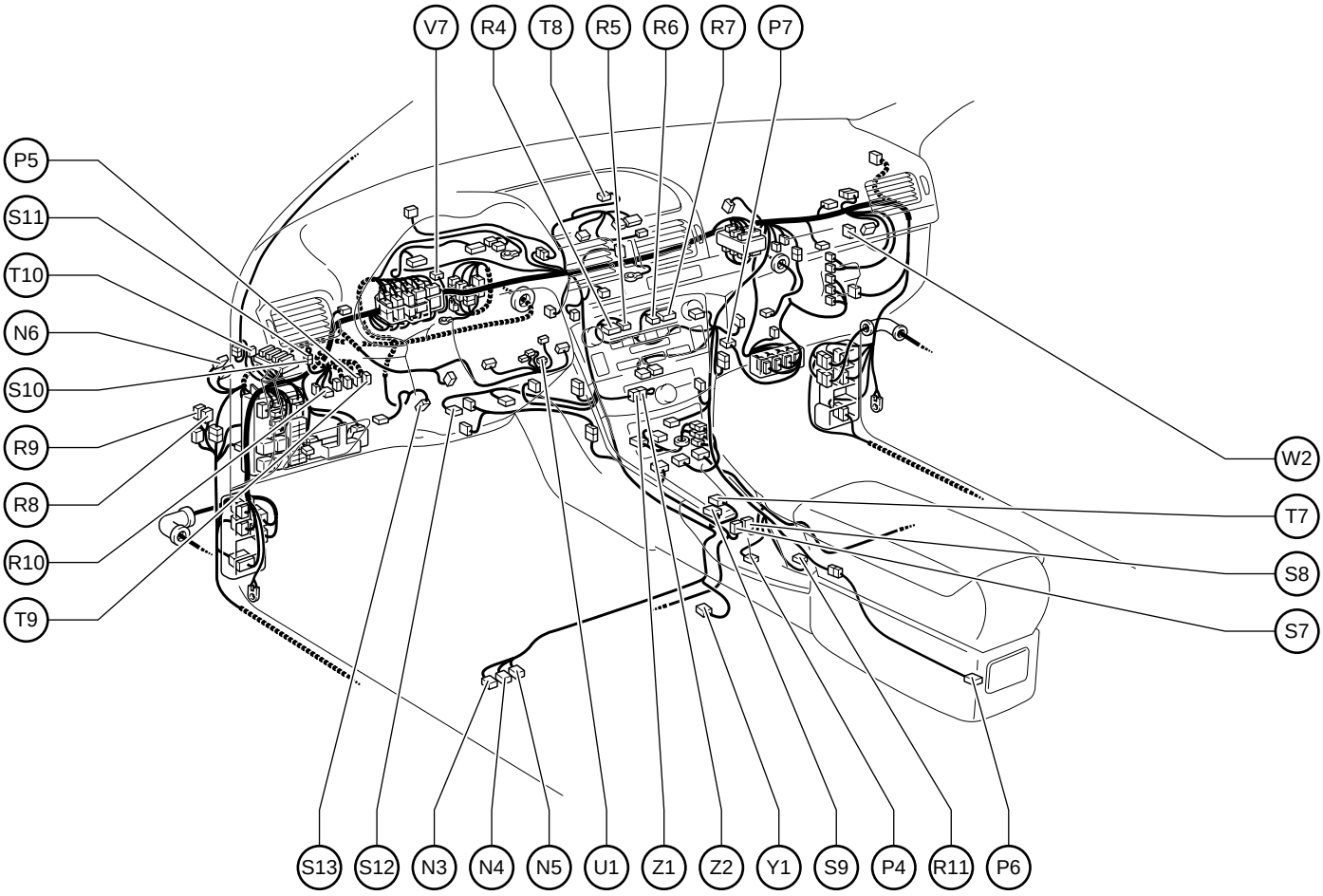
J 3 Junction Connector
J 4 Junction Connector
J 5 Junction Connector
J 6 Junction Connector
J 7 Junction Connector
J 8 Junction Connector
J 9 Junction Connector
J 10 Junction Connector
J 11 Junction Connector
J 12 Junction Connector
J 13 Junction Connector
J 14 Junction Connector
J 15 Junction Connector
J 16 Junction Connector
J 17 Junction Connector
J 18 Junction Connector

K 2 Kick Down SW
K 3 Knee Airbag Squib

M 1 Multi–Display
M 2 Multi–Display
M 3 Multi–Display

Position of Parts in Instrument Panel

[LHD]



N 3 Navigation ECU
N 4 Navigation ECU
N 5 Navigation ECU
N 6 Noise Filter (Rear Window Defogger No.1)

P 4 Parking Brake SW
P 5 Power Heater SW
P 6 Power Outlet
P 7 PTC Heater

R 4 Radio and Player
R 5 Radio and Player
R 6 Radio and Player
R 7 Radio and Player
R 8 Rear Fog Light Relay
R 9 Rear Window Defogger Relay
R10 Remote Control Mirror SW
R11 Remote Controller (Navigation)

S 7 Seat Heater SW
S 8 Seat Heater SW
S 9 Shift Lock Control ECU
S10 Short Connector
S11 Short Connector
S12 Steering Sensor
S13 Stop Light SW

T 7 Transmission Control SW
T 8 Transponder Key Computer
T 9 TRC Off SW
T10 Turn Signal Flasher Relay

U 1 Unlock Warning SW

V 7 VSC Warning Buzzer

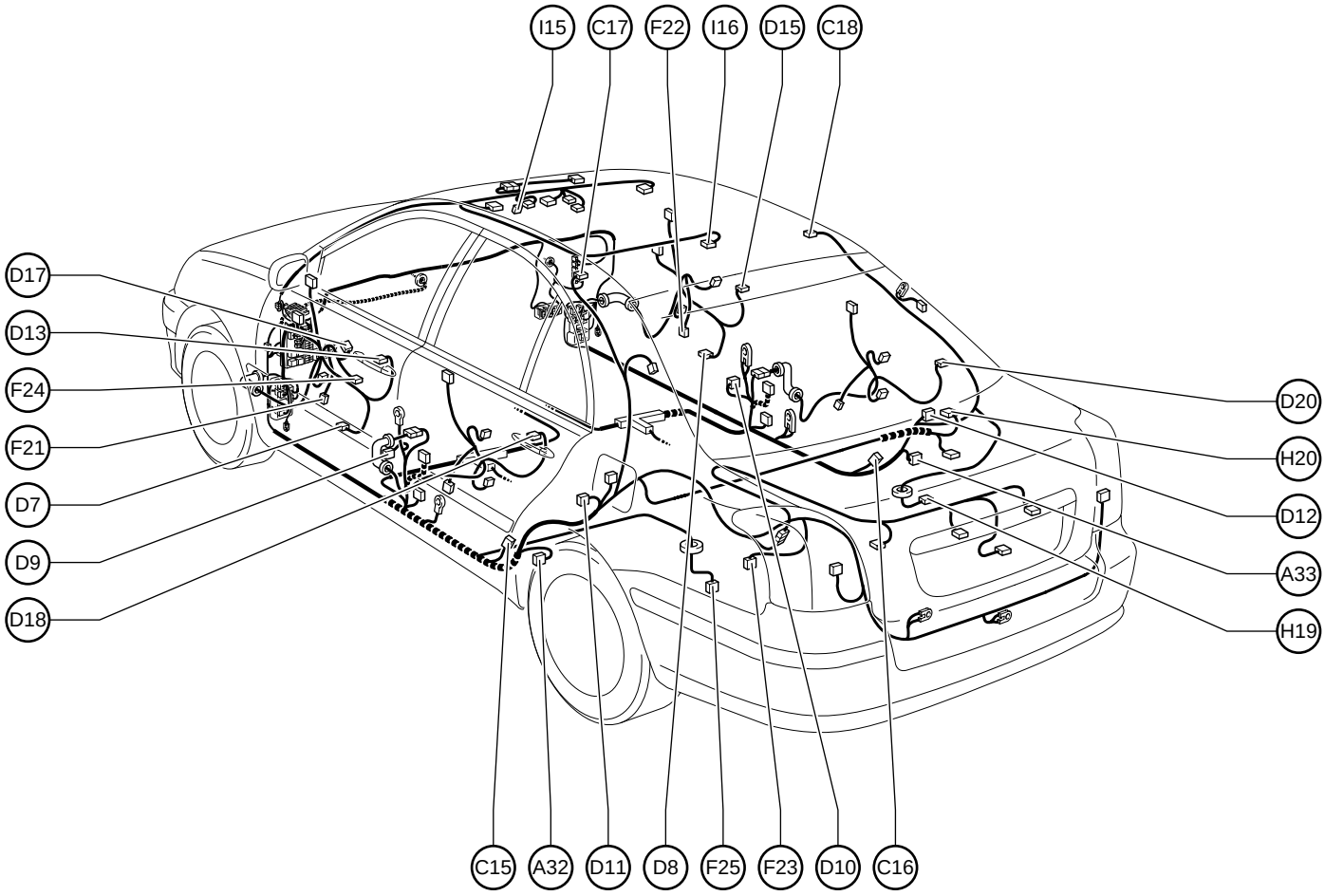
W 2 Wiper Relay

Y 1 Yaw Rate Sensor

Z 1 Option Connector (Navigation ECU)
Z 2 Option Connector (Navigation ECU)

Position of Parts in Body

[LHD : S/D]



A32 ABS Speed Sensor Rear LH
A33 ABS Speed Sensor Rear RH

C15 Curtain Shield Airbag Sensor LH
C16 Curtain Shield Airbag Sensor RH
C17 Curtain Shield Airbag Squib LH
C18 Curtain Shield Airbag Squib RH

D 7 Door Courtesy Light LH
D 8 Door Courtesy Light RH
D 9 Door Courtesy SW Front LH
D10 Door Courtesy SW Front RH
D11 Door Courtesy SW Rear LH
D12 Door Courtesy SW Rear RH
D13 Door Key Lock and Unlock SW (Driver's Side)
Door Lock Control Motor (Driver's Side)
Door Unlock Detection SW (Driver's Side)
D15 Door Lock Control Motor (Front Passenger's Side)
D17 Door Lock Control SW
Power Window Master SW
D18 Door Lock Motor Rear LH
D20 Door Lock Motor Rear RH

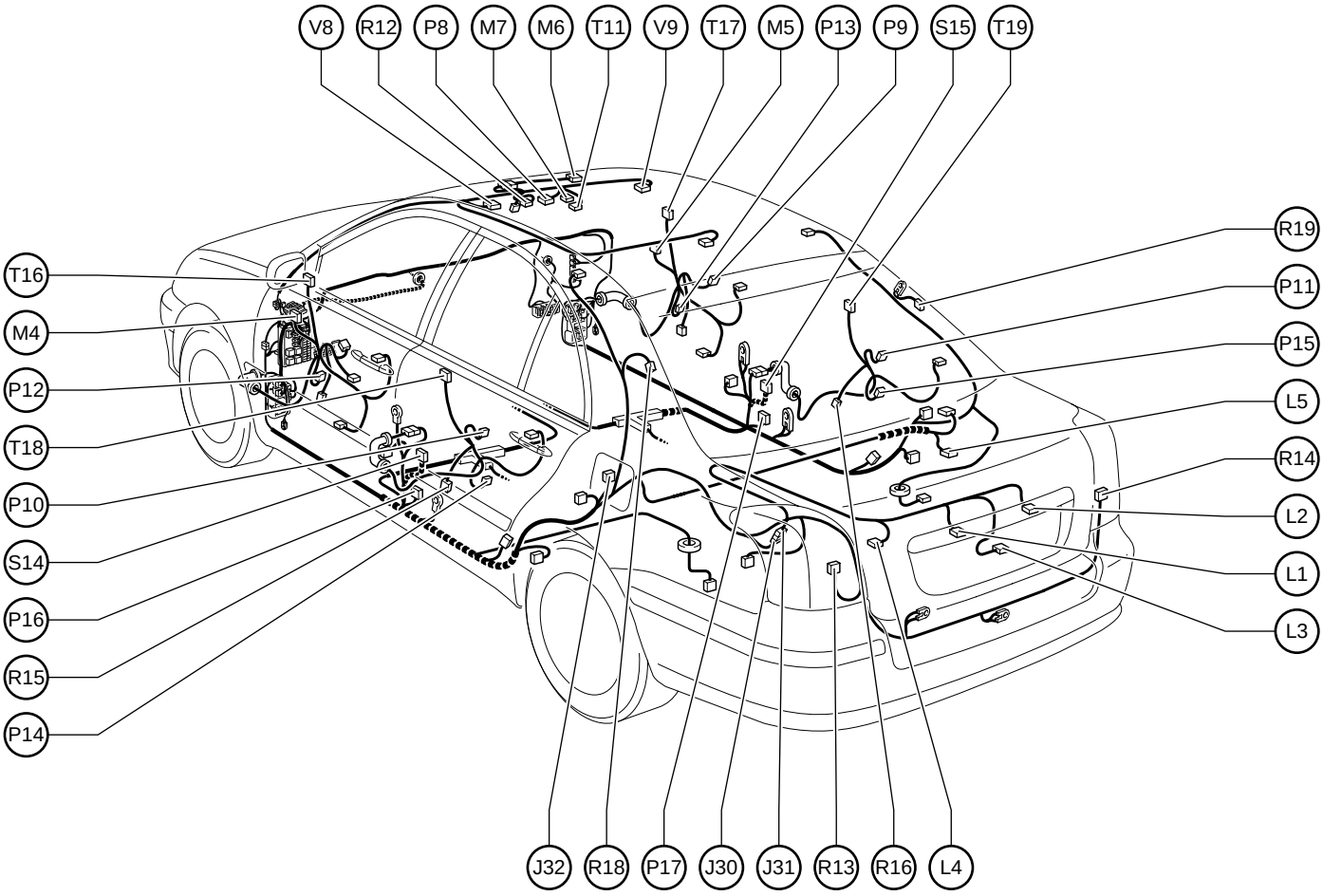
F 21 Front Door Speaker LH
F 22 Front Door Speaker RH
F 23 Fuel Lid Opener Motor
F 24 Fuel Lid Opener SW
F 25 Fuel Pump
Fuel Sender

H19 Height Control Sensor (Rear)
H20 High Mounted Stop Light

I 15 Inner Mirror
I 16 Interior Light

Position of Parts in Body

[LHD : S/D]



J 30 Junction Connector
J 31 Junction Connector
J 32 Junction Connector

L 1 License Plate Light LH
L 2 License Plate Light RH
L 3 Luggage Compartment Door Lock Motor
Luggage Compartment Light SW
L 4 Luggage Compartment Door Opener SW
L 5 Luggage Compartment Light

M 4 Mirror Heater LH
Remote Control Mirror LH
M 5 Mirror Heater RH
Remote Control Mirror RH
M 6 Moon Roof Control Relay and Motor
M 7 Moon Roof Control SW

P 8 Personal Light
P 9 Power Window Control SW (Front Passenger Side)
P 10 Power Window Control SW Rear LH
P 11 Power Window Control SW Rear RH
P 12 Power Window Motor Front LH
P 13 Power Window Motor Front RH
P 14 Power Window Motor Rear LH
P 15 Power Window Motor Rear RH
P 16 Pretensioner LH
P 17 Pretensioner RH

R 12 Rain Sensor
R 13 Rear Combination Light LH
R 14 Rear Combination Light RH
R 15 Rear Door Speaker LH
R 16 Rear Door Speaker RH
R 18 Rear Window Defogger
R 19 Rear Window Defogger

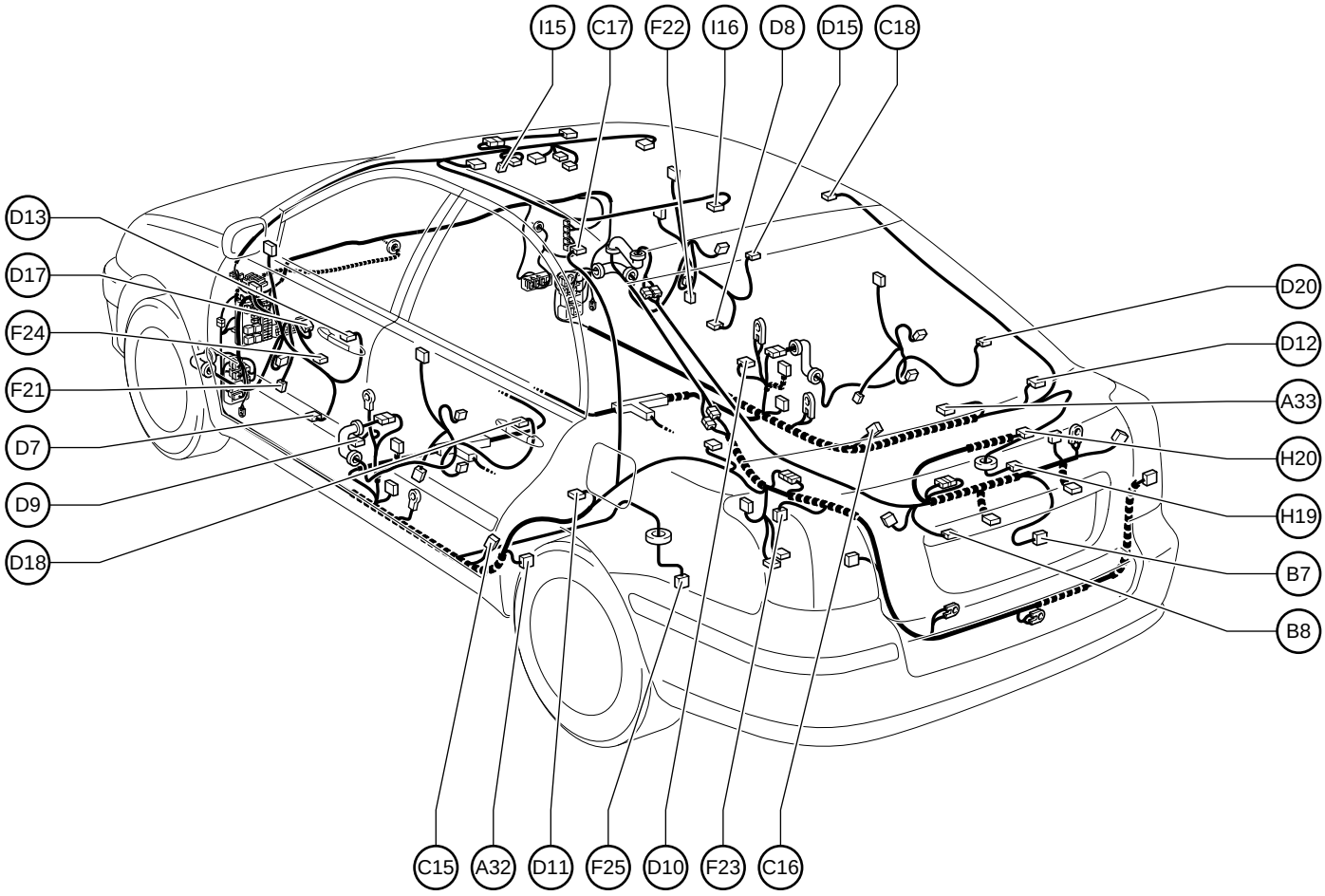
S 14 Side Airbag Sensor LH
S 15 Side Airbag Sensor RH

T 11 Telephone Microphone Amplifier
T 16 Tweeter Front LH
T 17 Tweeter Front RH
T 18 Tweeter Rear LH
T 19 Tweeter Rear RH

V 8 Vanity Light LH
V 9 Vanity Light RH

Position of Parts in Body

[LHD : L/B]



A32 ABS Speed Sensor Rear LH
A33 ABS Speed Sensor Rear RH

B 7 Back Door Courtesy SW
Back Door Lock Motor
B 8 Back Door Opener SW

C15 Curtain Shield Airbag Sensor LH
C16 Curtain Shield Airbag Sensor RH
C17 Curtain Shield Airbag Squib LH
C18 Curtain Shield Airbag Squib RH

D 7 Door Courtesy Light LH
D 8 Door Courtesy Light RH
D 9 Door Courtesy SW Front LH
D10 Door Courtesy SW Front RH
D11 Door Courtesy SW Rear LH
D12 Door Courtesy SW Rear RH
D13 Door Key Lock and Unlock SW (Driver's Side)
Door Lock Control Motor (Driver's Side)
Door Unlock Detection SW (Driver's Side)
D15 Door Lock Control Motor (Front Passenger's Side)
D17 Door Lock Control SW
Power Window Master SW
D18 Door Lock Motor Rear LH
D20 Door Lock Motor Rear RH

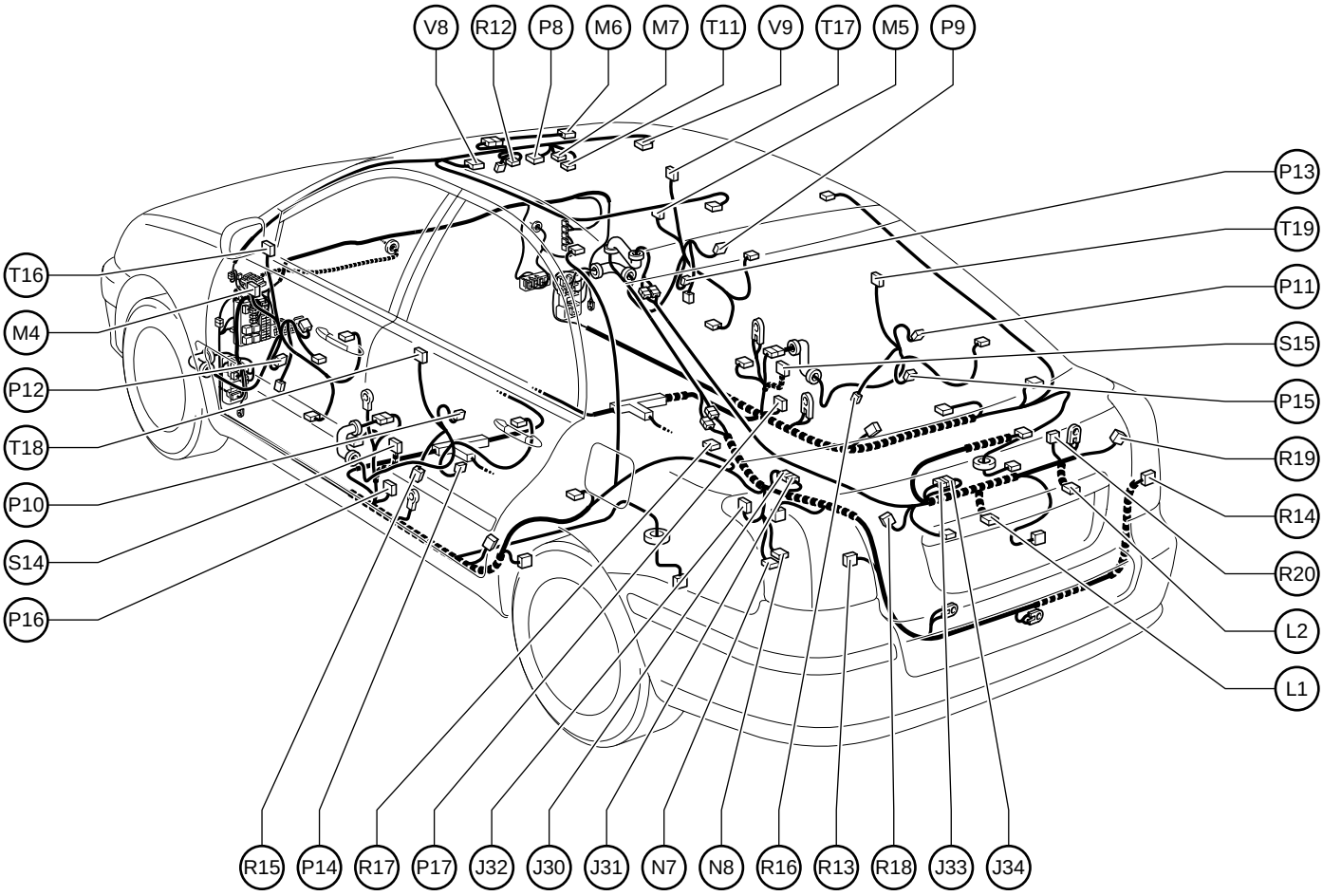
F 21 Front Door Speaker LH
F 22 Front Door Speaker RH
F 23 Fuel Lid Opener Motor
F 24 Fuel Lid Opener SW
F 25 Fuel Pump
Fuel Sender

H19 Height Control Sensor (Rear)
H20 High Mounted Stop Light

I 15 Inner Mirror
I 16 Interior Light

Position of Parts in Body

[LHD : L/B]



J 30 Junction Connector
J 31 Junction Connector
J 32 Junction Connector
J 33 Junction Connector
J 34 Junction Connector

L 1 License Plate Light LH
L 2 License Plate Light RH

M 4 Mirror Heater LH
Remote Control Mirror LH
M 5 Mirror Heater RH
Remote Control Mirror RH
M 6 Moon Roof Control Relay and Motor
M 7 Moon Roof Control SW

N 7 Noise Filter (Rear Window Defogger No.2)
N 8 Noise Filter (Stop Light)

P 8 Personal Light
P 9 Power Window Control SW (Front Passenger Side)
P 10 Power Window Control SW Rear LH
P 11 Power Window Control SW Rear RH
P 12 Power Window Motor Front LH
P 13 Power Window Motor Front RH
P 14 Power Window Motor Rear LH
P 15 Power Window Motor Rear RH
P 16 Pretensioner LH
P 17 Pretensioner RH

R 12 Rain Sensor
R 13 Rear Combination Light LH
R 14 Rear Combination Light RH
R 15 Rear Door Speaker LH
R 16 Rear Door Speaker RH
R 17 Rear Interior Light
R 18 Rear Window Defogger
R 19 Rear Window Defogger
R 20 Rear Wiper Motor and Relay

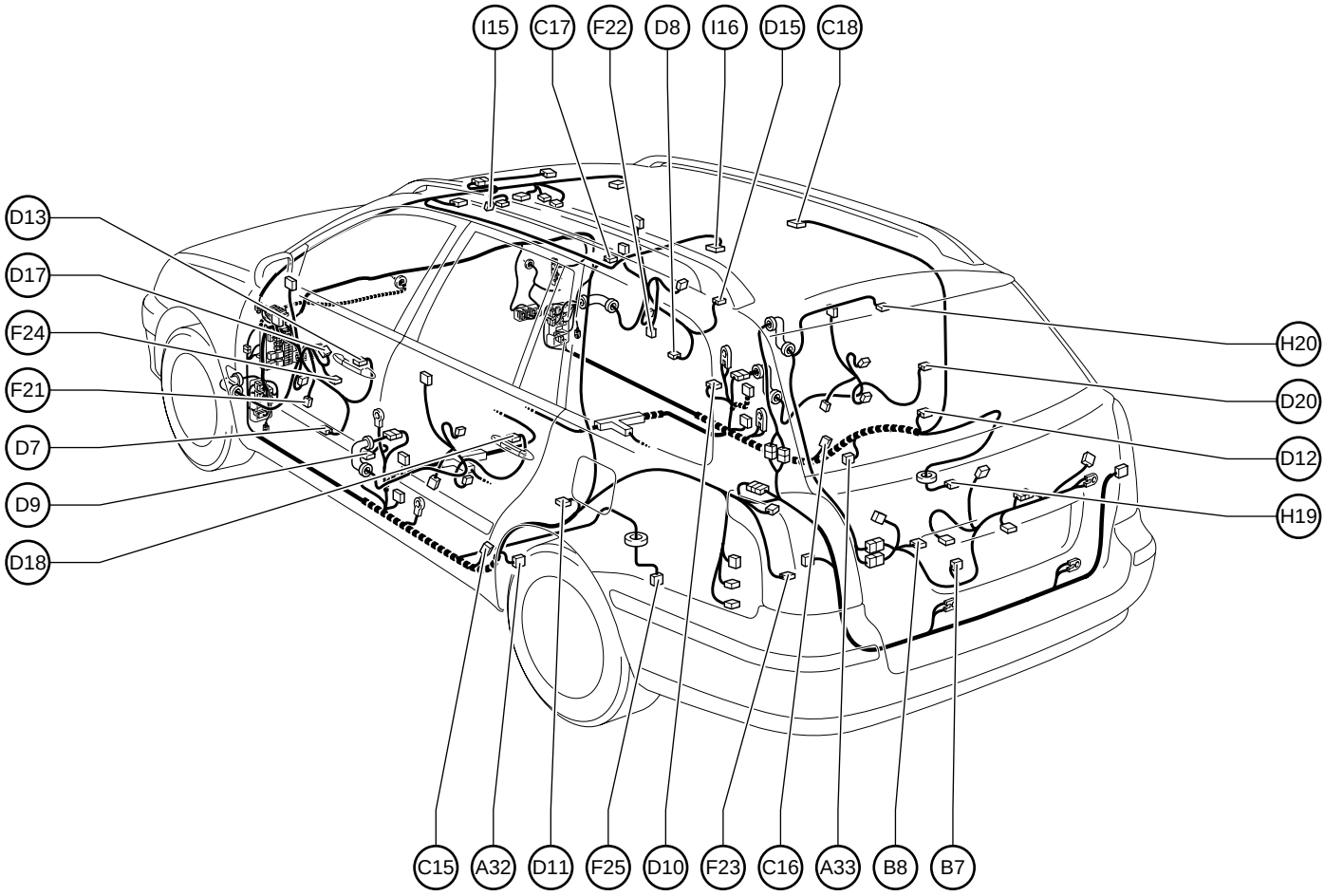
S 14 Side Airbag Sensor LH
S 15 Side Airbag Sensor RH

T 11 Telephone Microphone Amplifier
T 16 Tweeter Front LH
T 17 Tweeter Front RH
T 18 Tweeter Rear LH
T 19 Tweeter Rear RH

V 8 Vanity Light LH
V 9 Vanity Light RH

Position of Parts in Body

[LHD : W/G]



A32 ABS Speed Sensor Rear LH
A33 ABS Speed Sensor Rear RH

B 7 Back Door Courtesy SW
Back Door Lock Motor
B 8 Back Door Opener SW

C15 Curtain Shield Airbag Sensor LH
C16 Curtain Shield Airbag Sensor RH
C17 Curtain Shield Airbag Squib LH
C18 Curtain Shield Airbag Squib RH

D 7 Door Courtesy Light LH
D 8 Door Courtesy Light RH
D 9 Door Courtesy SW Front LH
D10 Door Courtesy SW Front RH
D11 Door Courtesy SW Rear LH
D12 Door Courtesy SW Rear RH
D13 Door Key Lock and Unlock SW (Driver's Side)
Door Lock Control Motor (Driver's Side)
Door Unlock Detection SW (Driver's Side)
D15 Door Lock Control Motor (Front Passenger's Side)
D17 Door Lock Control SW
Power Window Master SW
D18 Door Lock Motor Rear LH
D20 Door Lock Motor Rear RH

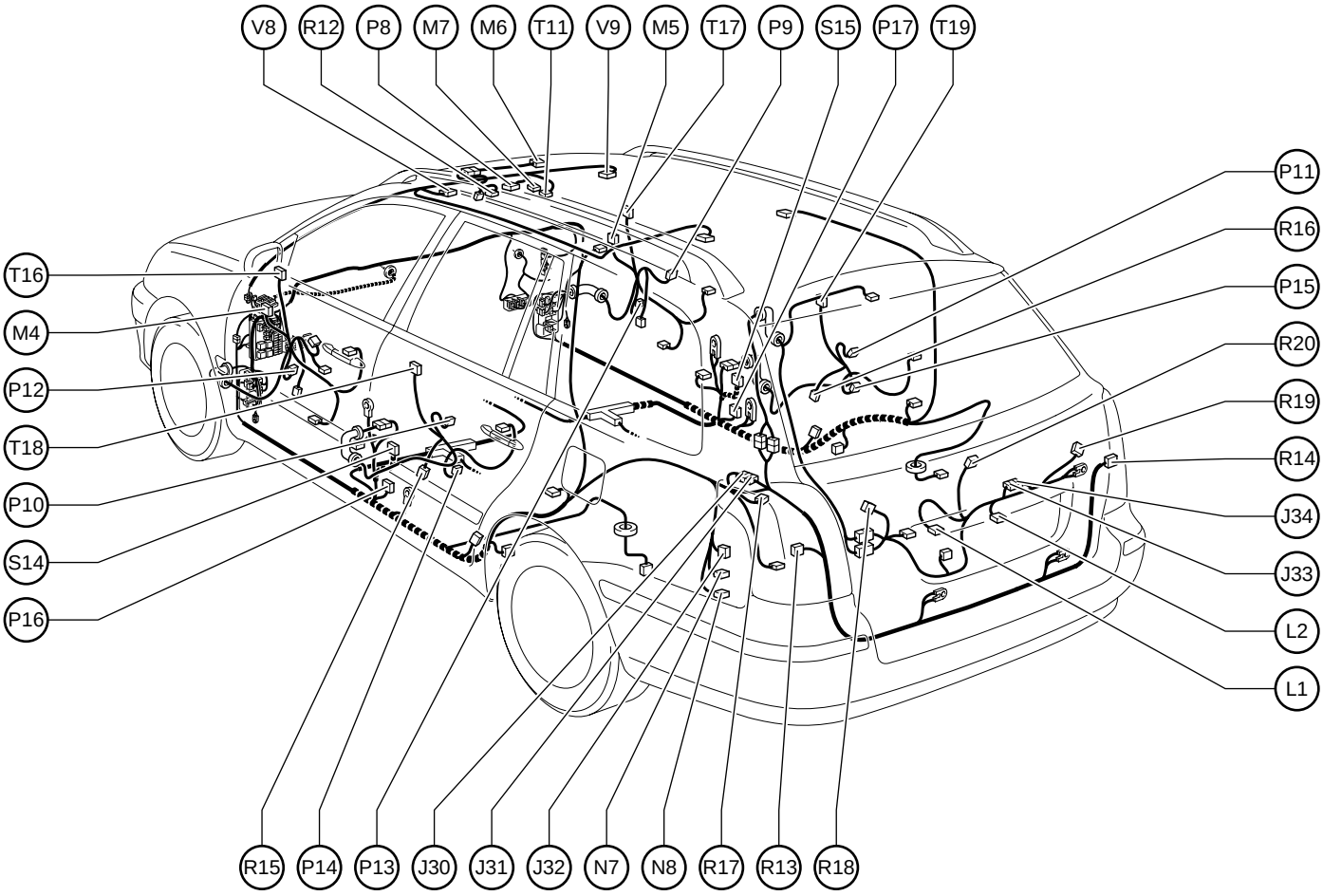
F 21 Front Door Speaker LH
F 22 Front Door Speaker RH
F 23 Fuel Lid Opener Motor
F 24 Fuel Lid Opener SW
F 25 Fuel Pump
Fuel Sender

H19 Height Control Sensor (Rear)
H20 High Mounted Stop Light

I 15 Inner Mirror
I 16 Interior Light

Position of Parts in Body

[LHD : W/G]



J 30 Junction Connector
J 31 Junction Connector
J 32 Junction Connector
J 33 Junction Connector
J 34 Junction Connector

L 1 License Plate Light LH
L 2 License Plate Light RH

M 4 Mirror Heater LH
Remote Control Mirror LH
M 5 Mirror Heater RH
Remote Control Mirror RH
M 6 Moon Roof Control Relay and Motor
M 7 Moon Roof Control SW

N 7 Noise Filter (Rear Window Defogger No.2)
N 8 Noise Filter (Stop Light)

P 8 Personal Light
P 9 Power Window Control SW (Front Passenger Side)
P 10 Power Window Control SW Rear LH
P 11 Power Window Control SW Rear RH
P 12 Power Window Motor Front LH
P 13 Power Window Motor Front RH
P 14 Power Window Motor Rear LH
P 15 Power Window Motor Rear RH
P 16 Pretensioner LH
P 17 Pretensioner RH

R 12 Rain Sensor
R 13 Rear Combination Light LH
R 14 Rear Combination Light RH
R 15 Rear Door Speaker LH
R 16 Rear Door Speaker RH
R 17 Rear Interior Light
R 18 Rear Window Defogger
R 19 Rear Window Defogger
R 20 Rear Wiper Motor and Relay

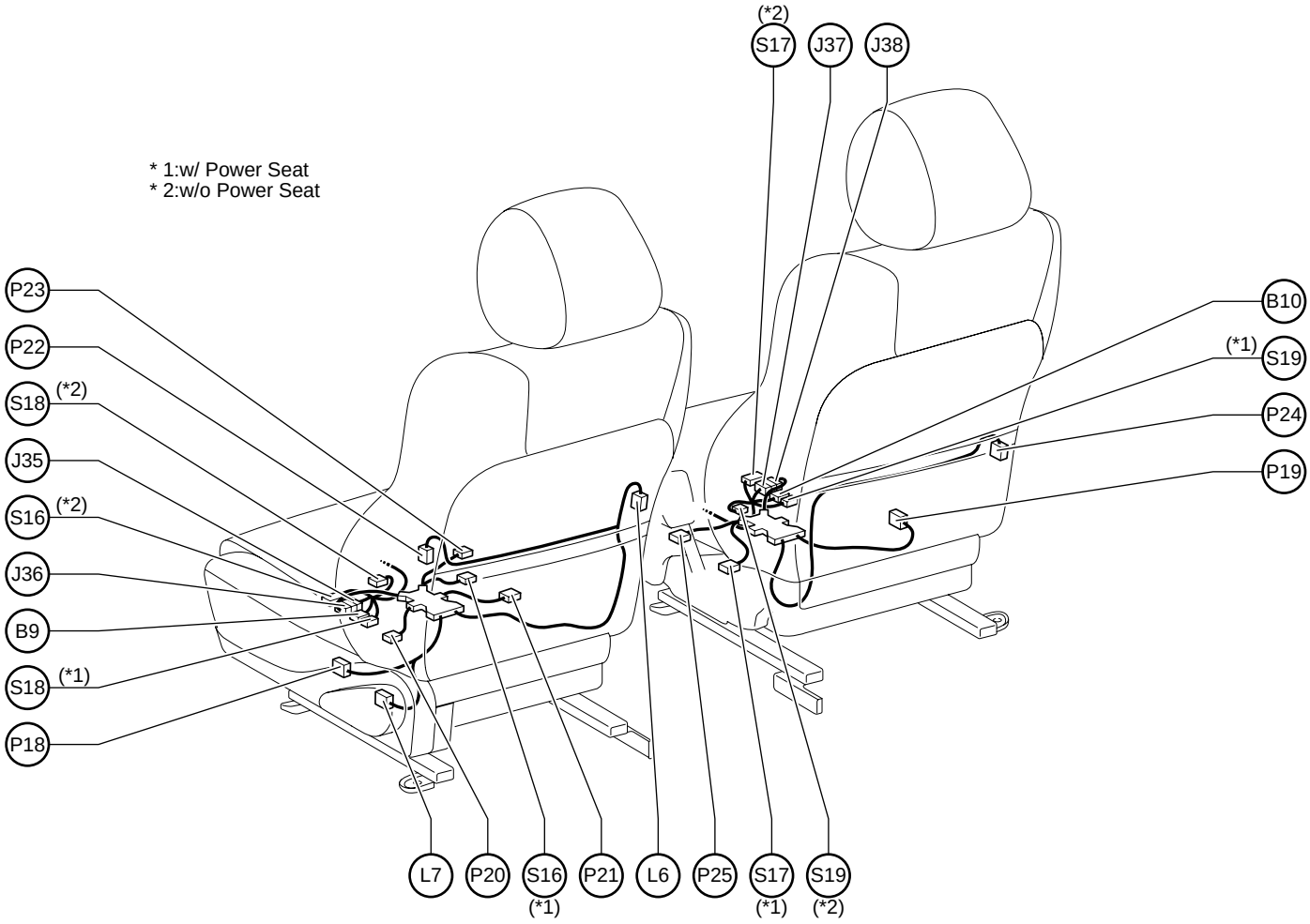
S 14 Side Airbag Sensor LH
S 15 Side Airbag Sensor RH

T 11 Telephone Microphone Amplifier
T 16 Tweeter Front LH
T 17 Tweeter Front RH
T 18 Tweeter Rear LH
T 19 Tweeter Rear RH

V 8 Vanity Light LH
V 9 Vanity Light RH

Position of Parts in Seat

[LHD]



B 9 Buckle SW (Driver's Side)
B10 Buckle SW (Front Passenger's Side) Occupant Detection Sensor

J 35 Junction Connector
J 36 Junction Connector
J 37 Junction Connector
J 38 Junction Connector

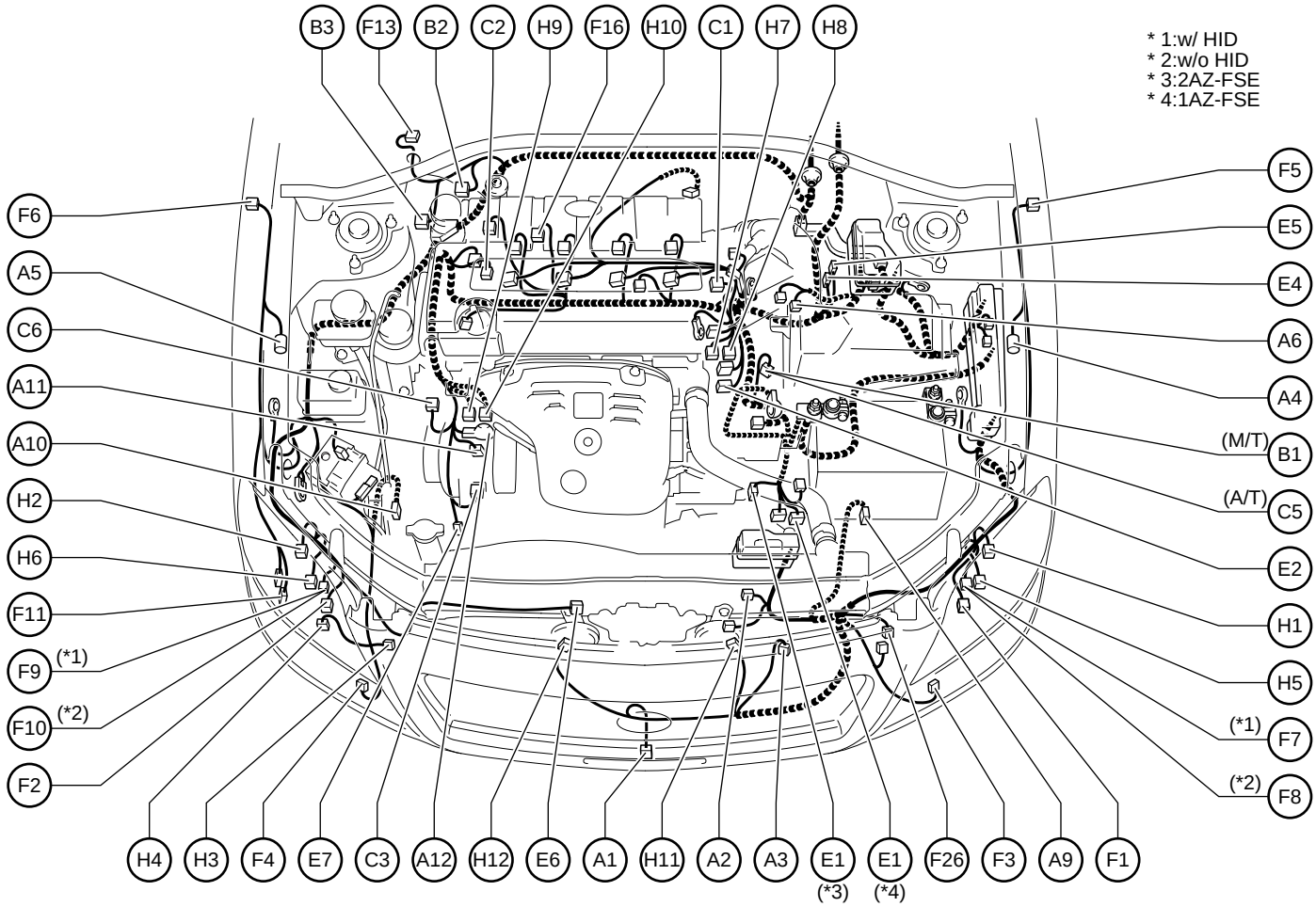
L 6 Lumbar Support Control Motor
L 7 Lumbar Support Control SW

P18 Power Seat Control SW (Driver's Seat)
P19 Power Seat Control SW (Front Passenger's Seat)
P20 Power Seat Motor (Driver's Seat Front Vertical Control)
P21 Power Seat Motor (Driver's Seat Lifter Control)
P22 Power Seat Motor (Driver's Seat Reclining Control)
P23 Power Seat Motor (Driver's Seat Slide Control)
P24 Power Seat Motor (Front Passenger's Seat Reclining Control)
P25 Power Seat Motor (Front Passenger's Seat Slide Control)

S16 Seat Heater LH
S17 Seat Heater RH
S18 Side Airbag Squib LH
S19 Side Airbag Squib RH

Position of Parts in Engine Compartment

[RHD : 2AZ–FSE, 1AZ–FSE]



A 1 A/C Ambient Temp. Sensor
A 2 A/C Condenser Fan Motor
A 3 A/C Pressure Sensor
A 4 ABS Speed Sensor Front LH
A 5 ABS Speed Sensor Front RH
A 6 Air Flow Meter
A 9 Airbag Sensor Front LH
A10 Airbag Sensor Front RH
A11 Alternator
A12 Alternator

B 1 Back–Up Light SW
B 2 Brake Booster Pressure Sensor
B 3 Brake Fluid Level Warning SW

C 1 Camshaft Position Sensor
C 2 Camshaft Timing Oil Control Valve
C 3 Compressor Assembly
C 5 Counter Gear Speed Sensor
C 6 Crankshaft Position Sensor

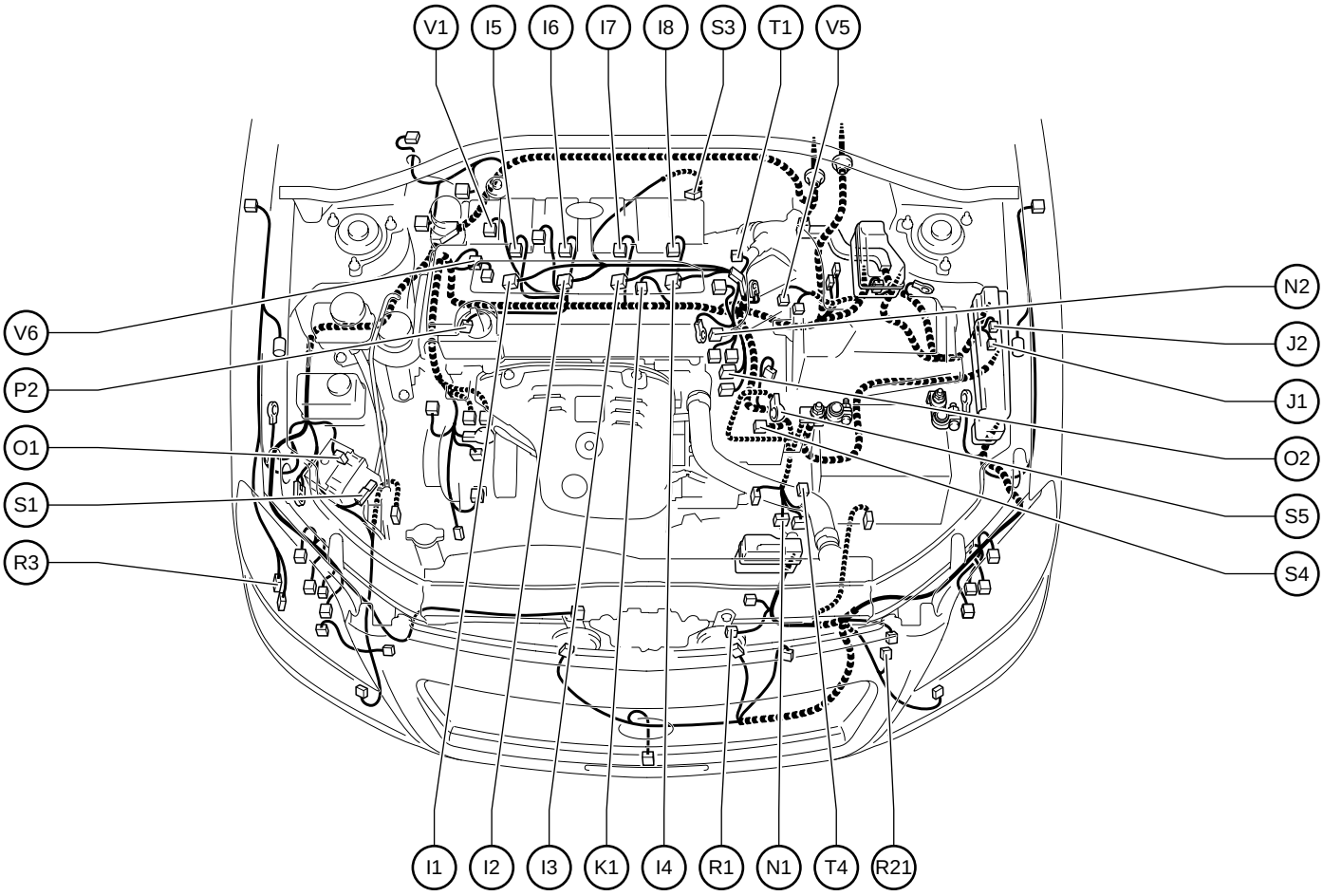
E 1 ECT Solenoid
E 2 EFI Water Temp. Sensor
E 4 Electronic Driver Unit
E 5 Electronic Driver Unit
E 6 Engine Hood Courtesy SW
E 7 Engine Oil Level Sensor

F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 3 Front Fog Light LH
F 4 Front Fog Light RH
F 5 Front Side Turn Signal Light LH
F 6 Front Side Turn Signal Light RH
F 7 Front Turn Signal Light LH
Headlight Control ECU LH
F 8 Front Turn Signal Light LH
Headlight LH (Low)
F 9 Front Turn Signal Light RH
Headlight Control ECU RH
F10 Front Turn Signal Light RH
Headlight RH (Low)
F11 Front Washer Motor
F13 Front Wiper Motor
F16 Fuel Pressure Sensor
F26 Fuel Pump Resistor

H 1 Headlight Beam Level Control Actuator LH
H 2 Headlight Beam Level Control Actuator RH
H 3 Headlight Cleaner Control Relay
H 4 Headlight Cleaner Motor
H 5 Headlight LH (High)
H 6 Headlight RH (High)
H 7 Heated Oxygen Sensor (Bank 1 Sensor 1)
H 8 Heated Oxygen Sensor (Bank 1 Sensor 2)
H 9 Heated Oxygen Sensor (Bank 2 Sensor 1)
H10 Heated Oxygen Sensor (Bank 2 Sensor 2)
H11 Horn LH
H12 Horn RH

Position of Parts in Engine Compartment

[RHD : 2AZ–FSE, 1AZ–FSE]



I 1 Ignition Coil and Igniter No.1
I 2 Ignition Coil and Igniter No.2
I 3 Ignition Coil and Igniter No.3
I 4 Ignition Coil and Igniter No.4
I 5 Injector No.1
I 6 Injector No.2
I 7 Injector No.3
I 8 Injector No.4

J 1 Junction Connector
J 2 Junction Connector

K 1 Knock Sensor

N 1 Neutral Start SW
N 2 Noise Filter (Ignition)

O 1 Oil Pressure Sensor
O 2 Oil Pressure SW

P 2 Power Steering Oil Pressure SW

R 1 Radiator Fan Motor
R 3 Rear Washer Motor
R21 Radiator Fan Relay

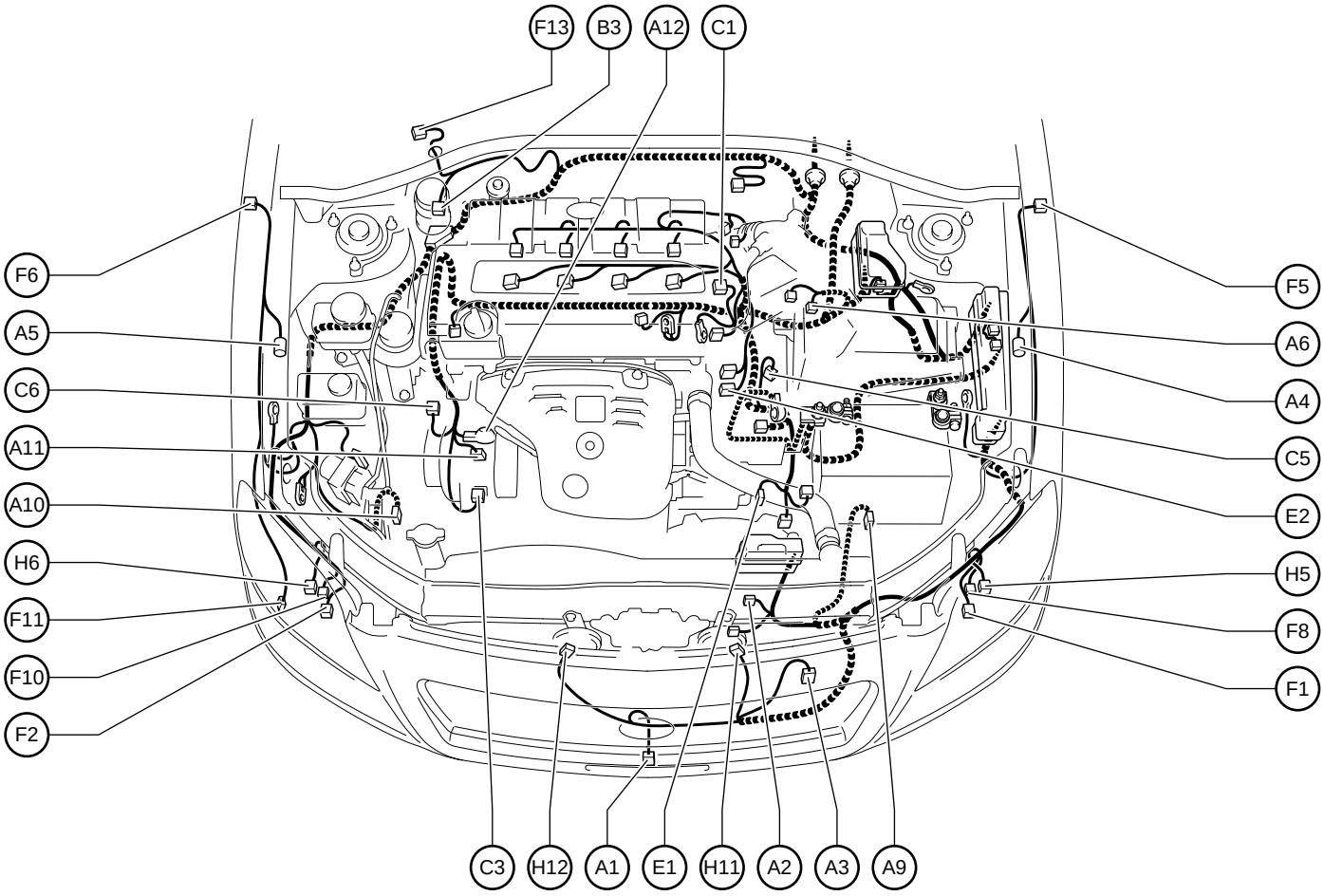
S 1 Skid Control ECU with Actuator
S 3 Spill Valve
S 4 Starter
S 5 Starter

T 1 Throttle Control Motor and Position Sensor
T 4 Turbine Speed Sensor

V 1 Vacuum Sensor
V 5 VSV (EVAP)
V 6 VSV (Intake Air Control Valve)

Position of Parts in Engine Compartment

[RHD : 1AZ–FE]



A 1 A/C Ambient Temp. Sensor
A 2 A/C Condenser Fan Motor
A 3 A/C Pressure Sensor
A 4 ABS Speed Sensor Front LH
A 5 ABS Speed Sensor Front RH
A 6 Air Flow Meter
A 9 Airbag Sensor Front LH
A10 Airbag Sensor Front RH
A11 Alternator
A12 Alternator

B 3 Brake Fluid Level Warning SW

C 1 Camshaft Position Sensor
C 3 Compressor Assembly
C 5 Counter Gear Speed Sensor
C 6 Crankshaft Position Sensor

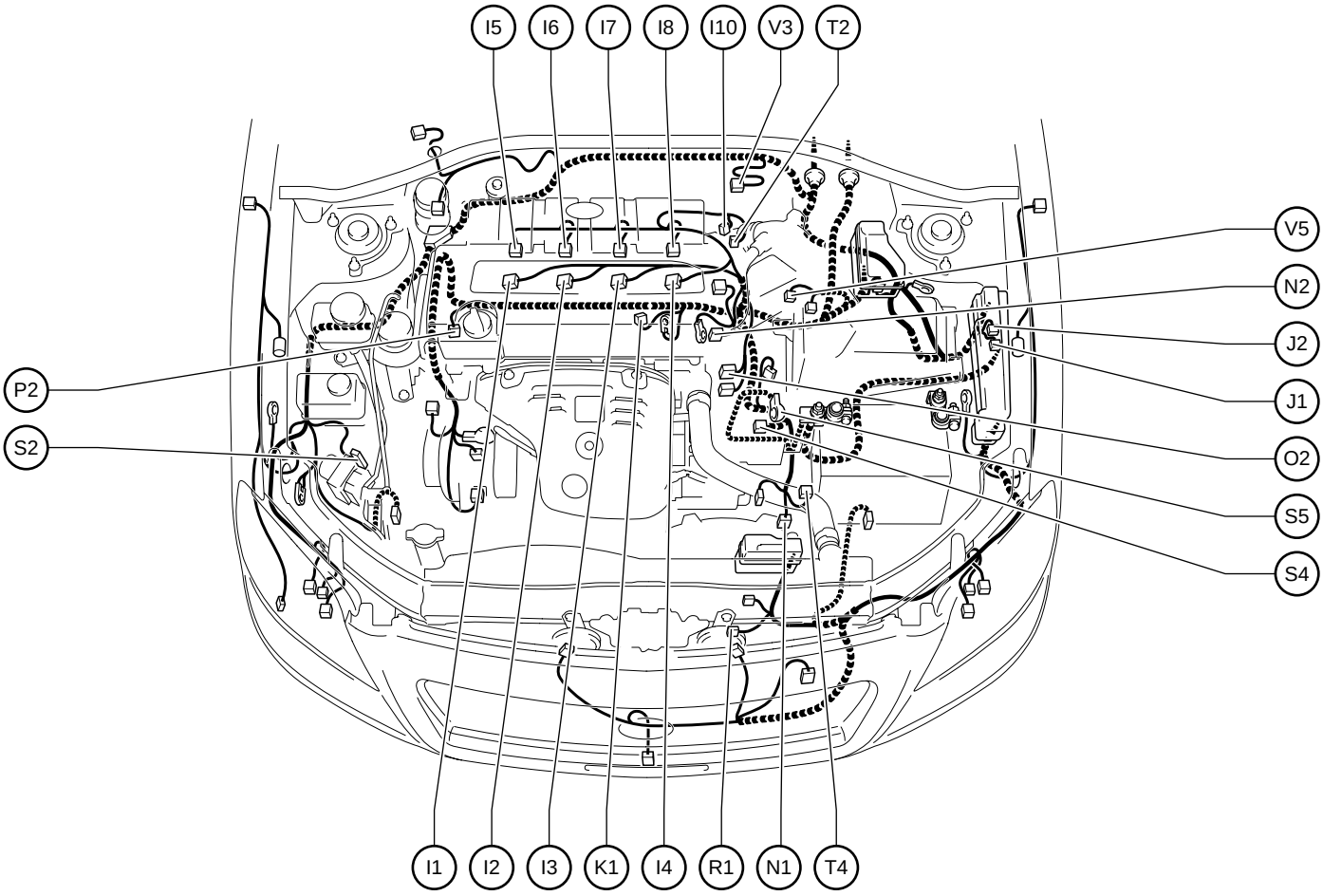
E 1 ECT Solenoid
E 2 EFI Water Temp. Sensor

F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 5 Front Side Turn Signal Light LH
F 6 Front Side Turn Signal Light RH
F 8 Front Turn Signal Light LH
Headlight LH (Low)
F10 Front Turn Signal Light RH
Headlight RH (Low)
F11 Front Washer Motor
F13 Front Wiper Motor

H 5 Headlight LH (High)
H 6 Headlight RH (High)
H11 Horn LH
H12 Horn RH

Position of Parts in Engine Compartment

[RHD : 1AZ–FE]



I 1 Ignition Coil and Igniter No.1
I 2 Ignition Coil and Igniter No.2
I 3 Ignition Coil and Igniter No.3
I 4 Ignition Coil and Igniter No.4
I 5 Injector No.1
I 6 Injector No.2
I 7 Injector No.3
I 8 Injector No.4
I 10 ISC Valve

J 1 Junction Connector
J 2 Junction Connector

K 1 Knock Sensor

N 1 Neutral Start SW
N 2 Noise Filter (Ignition)

O 2 Oil Pressure SW

P 2 Power Steering Oil Pressure SW

R 1 Radiator Fan Motor

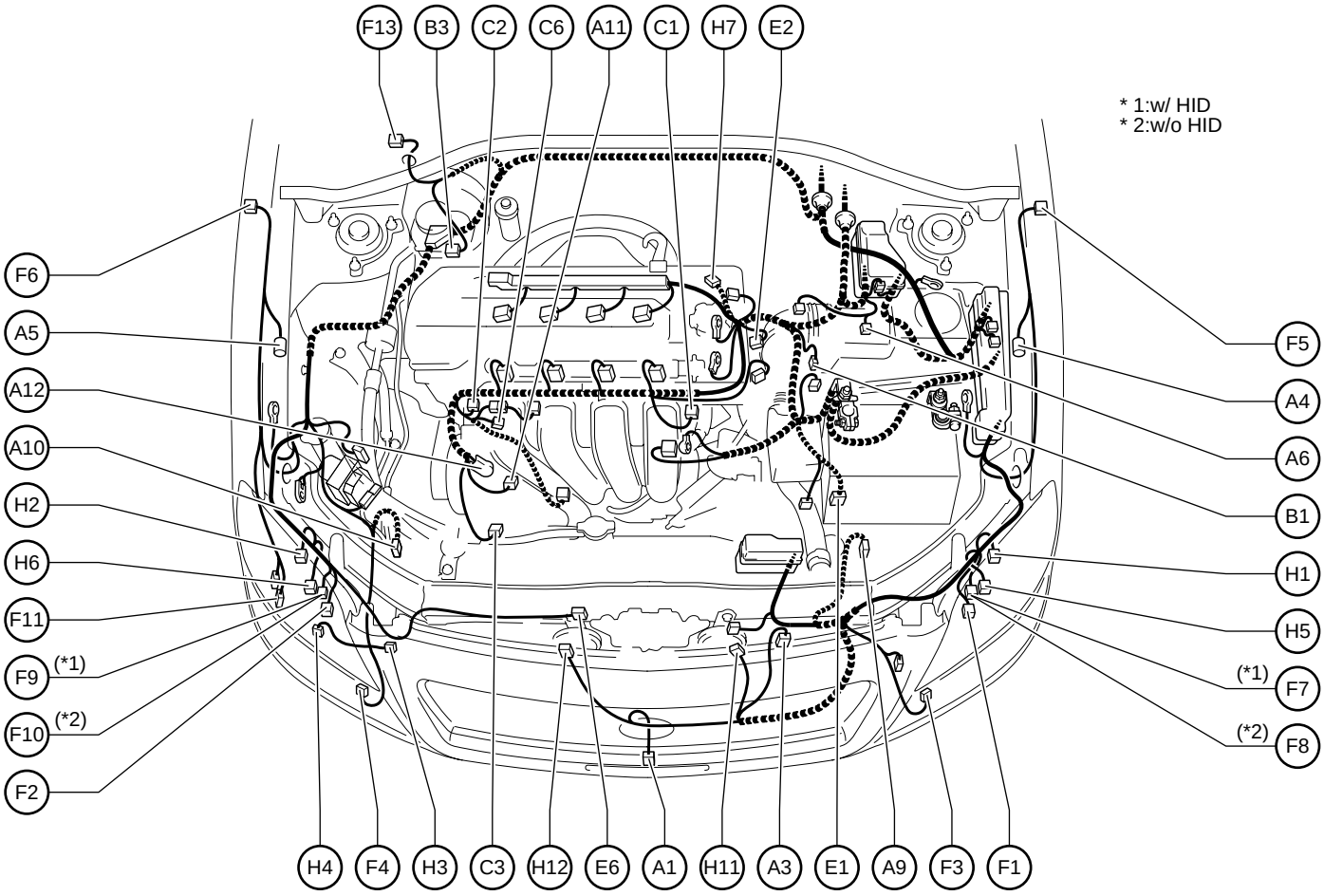
S 2 Skid Control ECU with Actuator
S 4 Starter
S 5 Starter

T 2 Throttle Position Sensor
T 4 Turbine Speed Sensor

V 3 Variable Resistor
V 5 VSV (EVAP)

Position of Parts in Engine Compartment

[RHD : 1ZZ–FE, 3ZZ–FE]



A 1 A/C Ambient Temp. Sensor
A 3 A/C Pressure Sensor
A 4 ABS Speed Sensor Front LH
A 5 ABS Speed Sensor Front RH
A 6 Air Flow Meter
A 9 Airbag Sensor Front LH
A10 Airbag Sensor Front RH
A11 Alternator
A12 Alternator

B 1 Back–Up Light SW
B 3 Brake Fluid Level Warning SW

C 1 Camshaft Position Sensor
C 2 Camshaft Timing Oil Control Valve
C 3 Compressor Assembly
C 6 Crankshaft Position Sensor

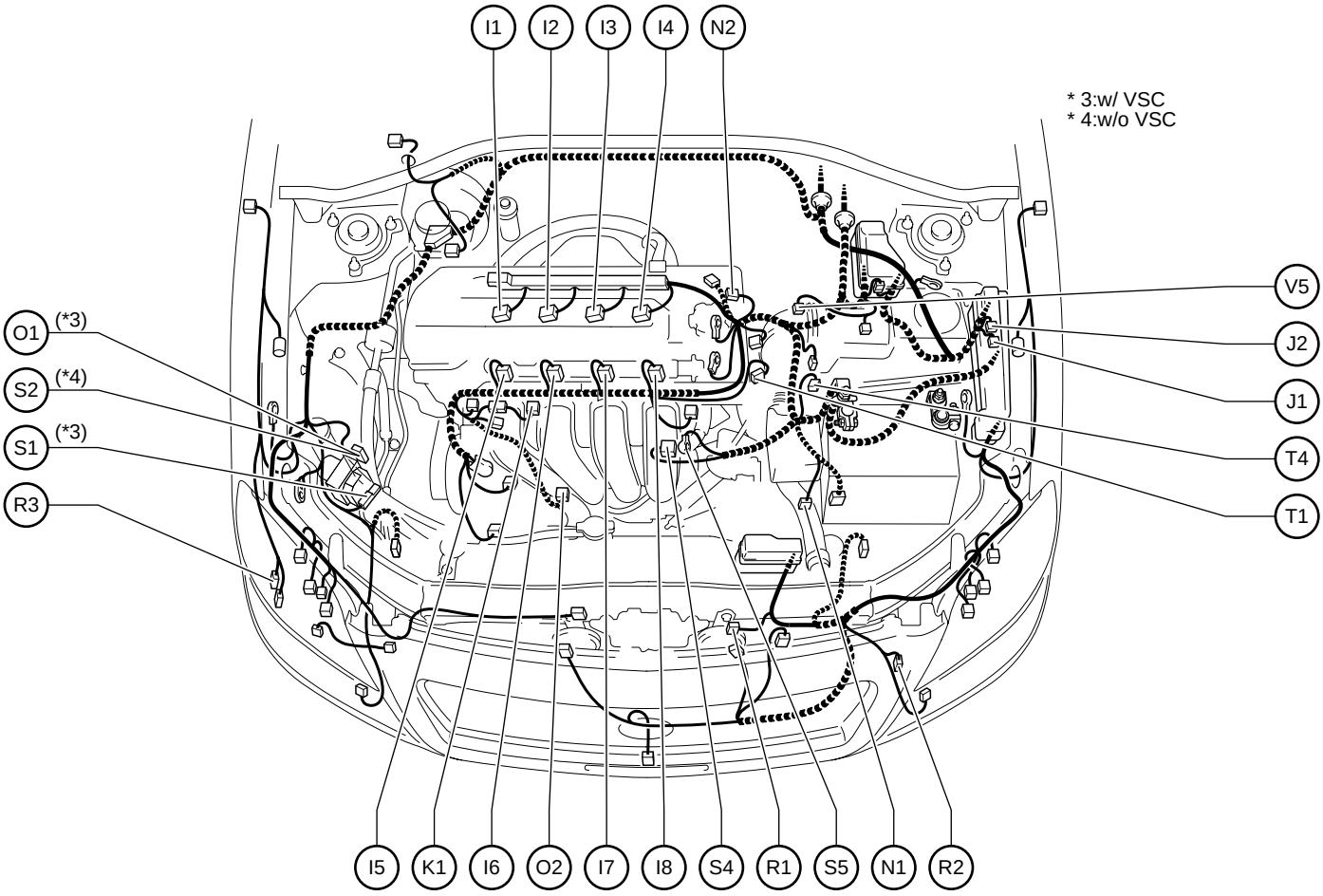
E 1 ECT Solenoid
E 2 EFI Water Temp. Sensor
E 6 Engine Hood Courtesy SW

F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 3 Front Fog Light LH
F 4 Front Fog Light RH
F 5 Front Side Turn Signal Light LH
F 6 Front Side Turn Signal Light RH
F 7 Front Turn Signal Light LH
Headlight Control ECU LH
F 8 Front Turn Signal Light LH
Headlight LH (Low)
F 9 Front Turn Signal Light RH
Headlight Control ECU RH
F10 Front Turn Signal Light RH
Headlight RH (Low)
F11 Front Washer Motor
F13 Front Wiper Motor

H 1 Headlight Beam Level Control Actuator LH
H 2 Headlight Beam Level Control Actuator RH
H 3 Headlight Cleaner Control Relay
H 4 Headlight Cleaner Motor
H 5 Headlight LH (High)
H 6 Headlight RH (High)
H 7 Heated Oxygen Sensor (Bank 1 Sensor 1)
H11 Horn LH
H12 Horn RH

Position of Parts in Engine Compartment

[RHD : 1ZZ–FE, 3ZZ–FE]



I 1 Ignition Coil and Igniter No.1
I 2 Ignition Coil and Igniter No.2
I 3 Ignition Coil and Igniter No.3
I 4 Ignition Coil and Igniter No.4
I 5 Injector No.1
I 6 Injector No.2
I 7 Injector No.3
I 8 Injector No.4

J 1 Junction Connector
J 2 Junction Connector

K 1 Knock Sensor

N 1 Neutral Start SW
N 2 Noise Filter (Ignition)

O 1 Oil Pressure Sensor
O 2 Oil Pressure SW

R 1 Radiator Fan Motor
R 2 Radiator Fan Resistor
R 3 Rear Washer Motor

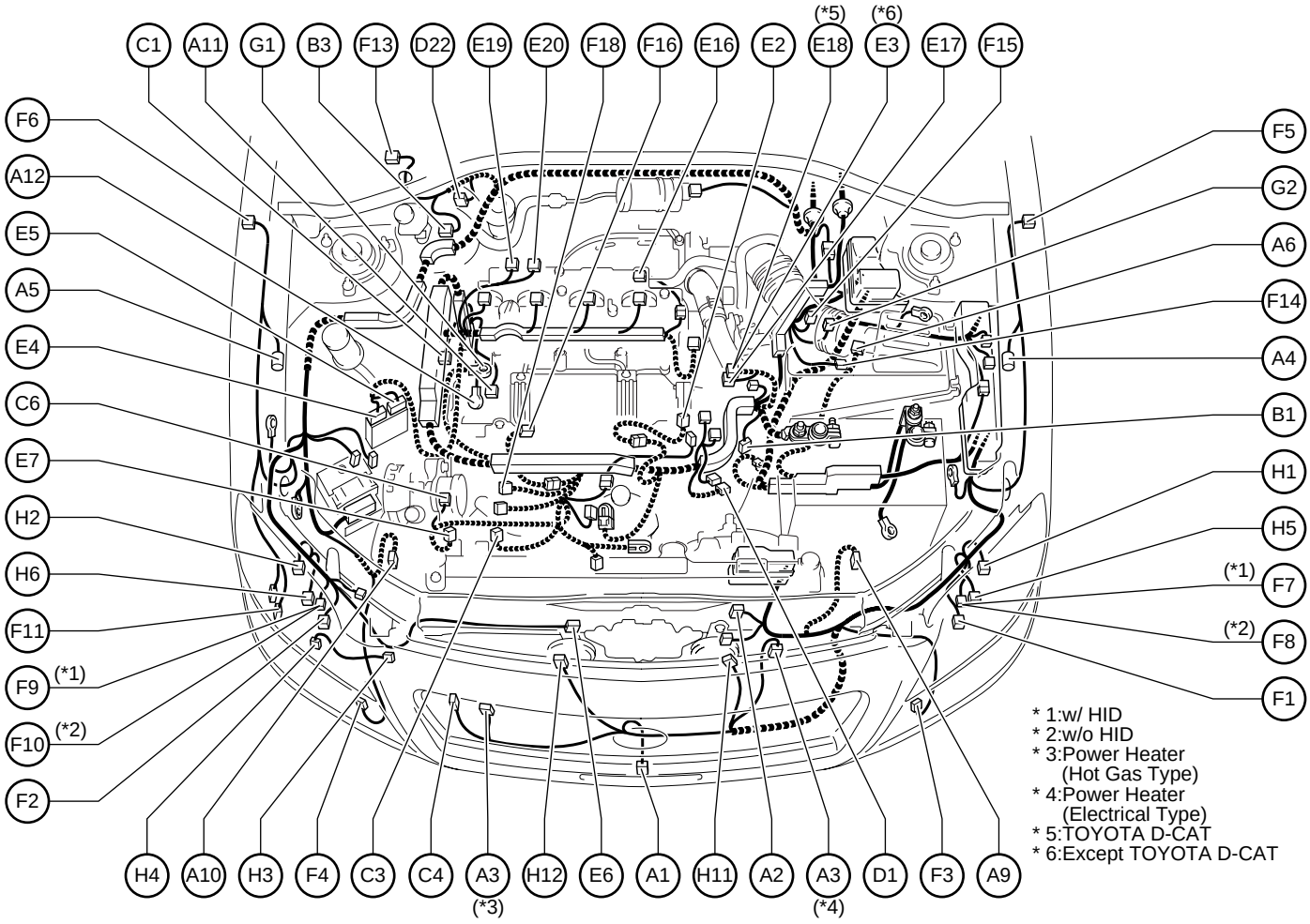
S 1 Skid Control ECU with Actuator
S 2 Skid Control ECU with Actuator
S 4 Starter
S 5 Starter

T 1 Throttle Control Motor and Position Sensor
T 4 Turbine Speed Sensor

V 5 VSV (EVAP)

Position of Parts in Engine Compartment

[RHD : 1CD–FTV]



A 1 A/C Ambient Temp. Sensor
A 2 A/C Condenser Fan Motor
A 3 A/C Pressure Sensor
A 4 ABS Speed Sensor Front LH
A 5 ABS Speed Sensor Front RH
A 6 Air Flow Meter
A 9 Airbag Sensor Front LH
A 10 Airbag Sensor Front RH
A 11 Alternator
A 12 Alternator

B 1 Back–Up Light SW
B 3 Brake Fluid Level Warning SW

C 1 Camshaft Position Sensor
C 3 Compressor Assembly
C 4 Condenser Assembly
C 6 Crankshaft Position Sensor

D 1 Diesel Throttle Control Motor
D 22 Differential Pressure Sensor

E 2 EFI Water Temp. Sensor
E 3 EGR Valve Control Motor
E 4 Electronic Driver Unit
E 5 Electronic Driver Unit
E 6 Engine Hood Courtesy SW
E 7 Engine Oil Level Sensor
E 16 Exhaust Fuel Addition Injector Assembly
E 17 EGR Valve Assembly
E 18 EGR Valve Position Sensor
E 19 Exhaust Gas Temperature Sensor (Front)
E 20 Exhaust Gas Temperature Sensor (Rear)

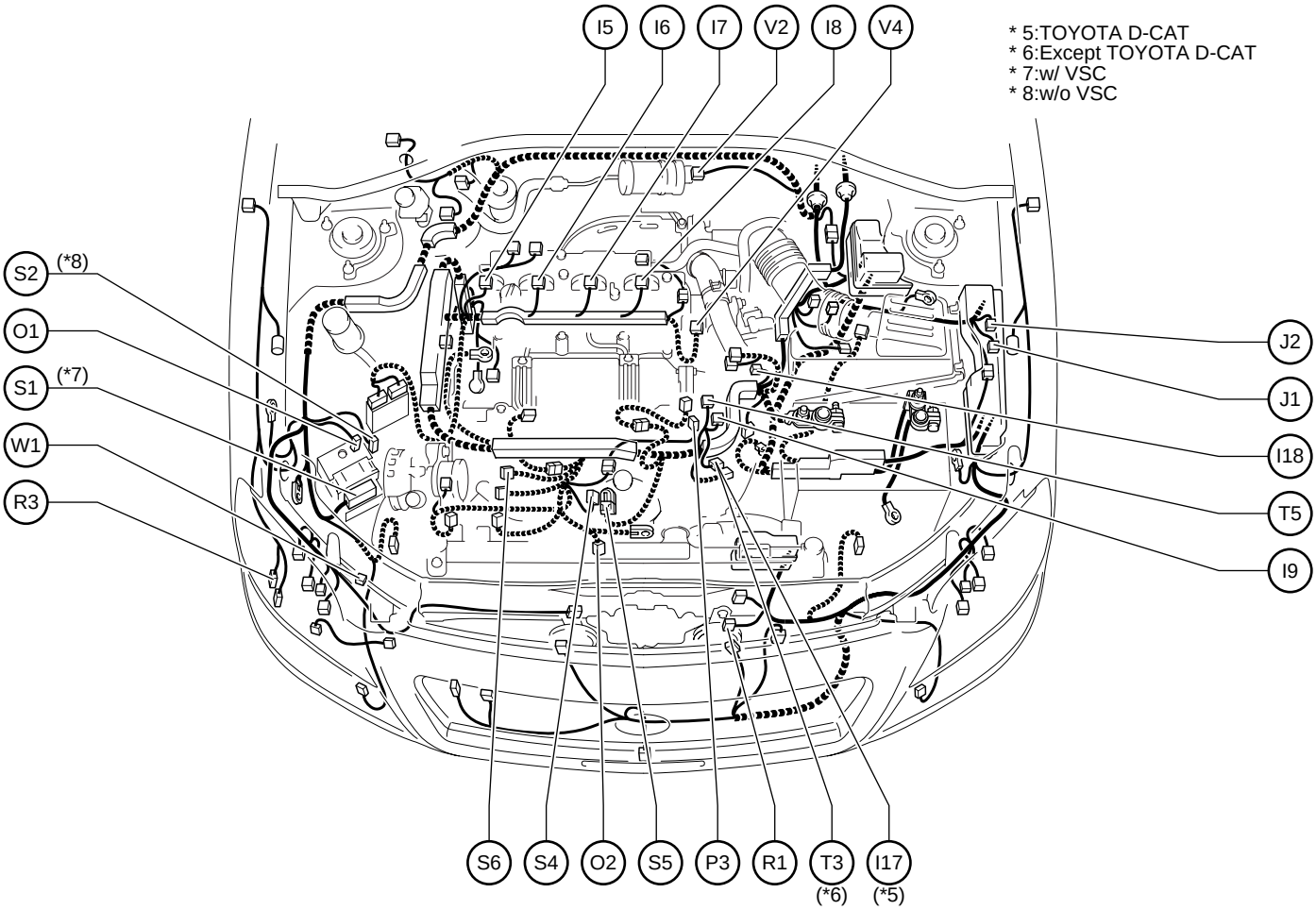
F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 3 Front Fog Light LH
F 4 Front Fog Light RH
F 5 Front Side Turn Signal Light LH
F 6 Front Side Turn Signal Light RH
F 7 Front Turn Signal Light LH
Headlight Control ECU LH
F 8 Front Turn Signal Light LH
Headlight LH (Low)
F 9 Front Turn Signal Light RH
Headlight Control ECU RH
F 10 Front Turn Signal Light RH
Headlight RH (Low)
F 11 Front Washer Motor
F 13 Front Wiper Motor
F 14 Fuel Filter Warning SW
F 15 Fuel Heater
F 16 Fuel Pressure Sensor
F 18 Fuel Temp. Sensor

G 1 Glow Plug
G 2 Glow Plug Relay

H 1 Headlight Beam Level Control Actuator LH
H 2 Headlight Beam Level Control Actuator RH
H 3 Headlight Cleaner Control Relay
H 4 Headlight Cleaner Motor
H 5 Headlight LH (High)
H 6 Headlight RH (High)
H 11 Horn LH
H 12 Horn RH

Position of Parts in Engine Compartment

[RHD : 1CD–FTV]



I 5 Injector No.1
I 6 Injector No.2
I 7 Injector No.3
I 8 Injector No.4
I 9 Intake Air Temp. Sensor
I 17 Intake Shutter Assembly
I 18 Intake Shutter Assembly

J 1 Junction Connector
J 2 Junction Connector

O 1 Oil Pressure Sensor
O 2 Oil Pressure SW

P 3 Pressure Discharge Valve

R 1 Radiator Fan Motor
R 3 Rear Washer Motor

S 1 Skid Control ECU with Actuator
S 2 Skid Control ECU with Actuator
S 4 Starter
S 5 Starter
S 6 Suction Control Valve

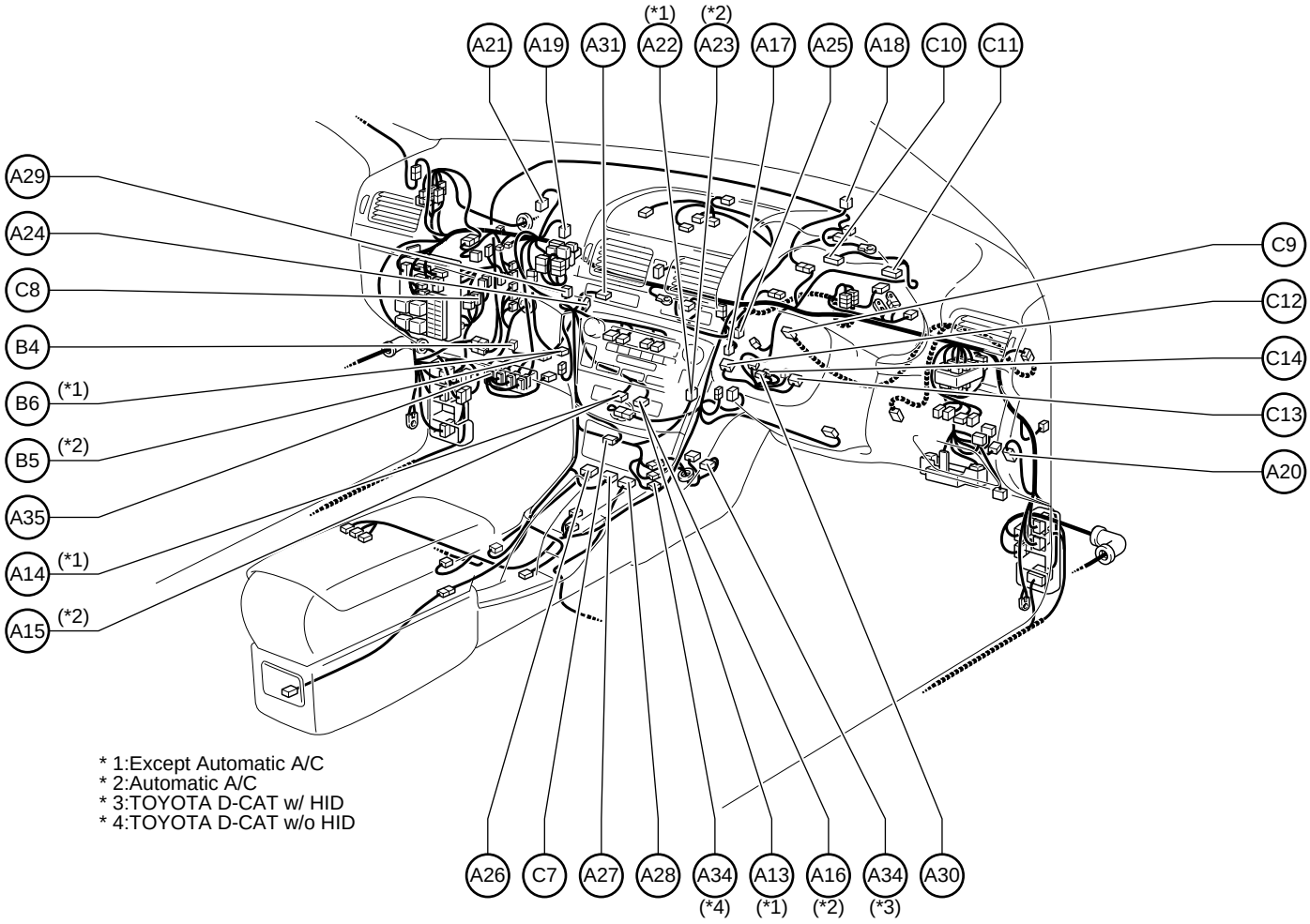
T 3 Throttle Position SW
T 5 Turbo Pressure Sensor

V 2 Vacuum SW
V 4 VRV (EGR)

W 1 Water Temp. SW (Radiator Fan)

Position of Parts in Instrument Panel

[RHD]



* 1:Except Automatic A/C
* 2:Automatic A/C
* 3:TOYOTA D-CAT w/ HID
* 4:TOYOTA D-CAT w/o HID

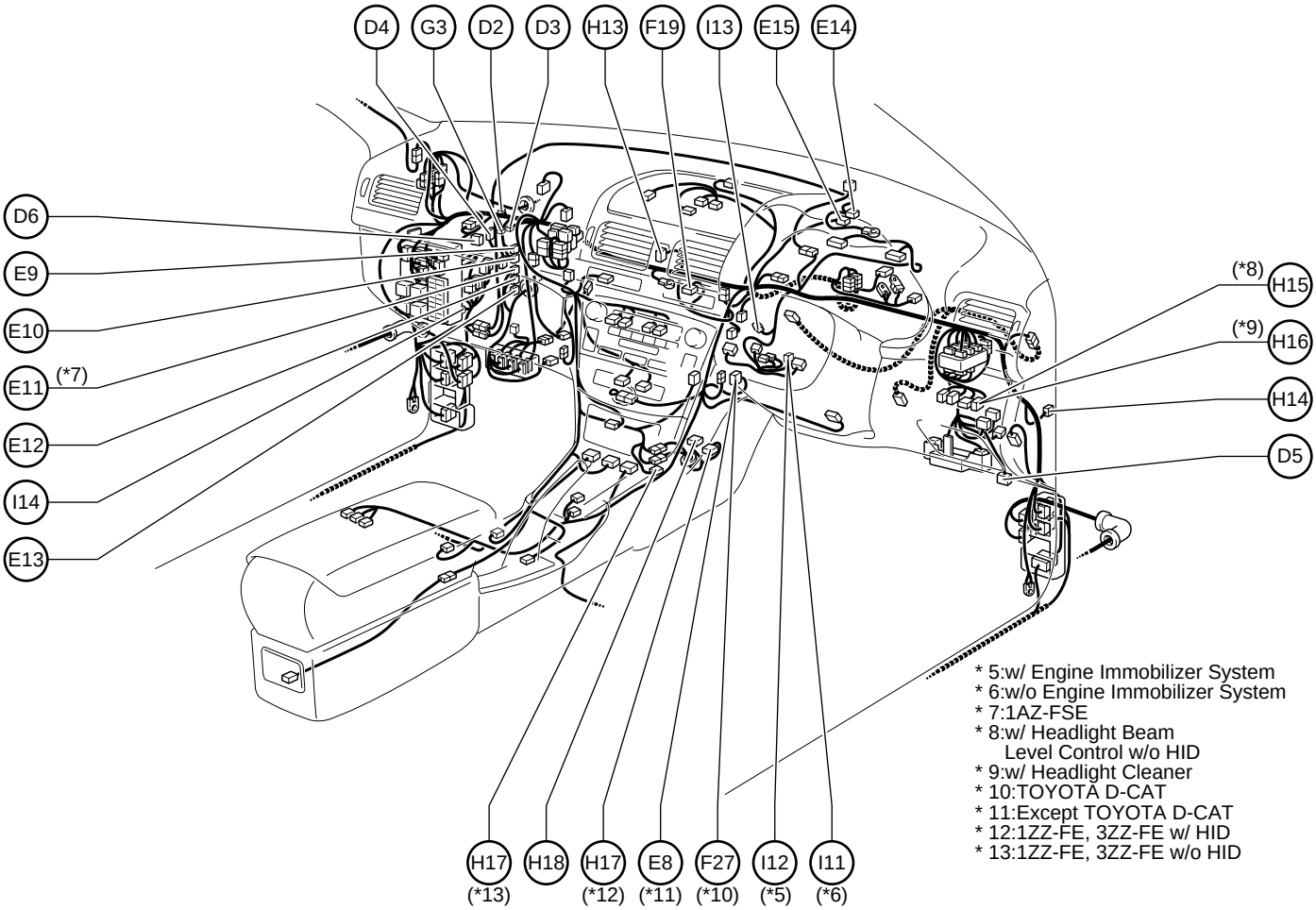
A13 A/C Control Assembly
A14 A/C Control Assembly
A15 A/C Control Assembly
A16 A/C Control Assembly
A17 A/C Room Temp. Sensor
A18 A/C Solar Sensor
A19 A/C Thermistor
A20 Accel Position Sensor
A21 Air Inlet Control Servo Motor
A22 Air Mix Control Servo Motor
A23 Air Mix Control Servo Motor (Driver Side)
A24 Air Mix Control Servo Motor (Front Passenger Side)
A25 Air Vent Mode Control Servo Motor
A26 Airbag Sensor Assembly
A27 Airbag Sensor Assembly
A28 Airbag Sensor Assembly
A29 Airbag Squib (Front Passenger Airbag Assembly)
A30 Airbag Squib (Steering Wheel Pad)
A31 Antenna Amplifier
A34 Air Fuel Ratio Sensor
A35 Air Fuel Ratio Sensor Relay

B 4 Blower Motor
B 5 Blower Motor Controller
B 6 Blower Resistor

C 7 Cigarette Lighter
Cigarette Lighter Illumination
C 8 Circuit Opening Relay
C 9 Clutch Start SW
C10 Combination Meter
C11 Combination Meter
C12 Combination SW
C13 Combination SW
C14 Combination SW

Position of Parts in Instrument Panel

[RHD]



D 2 Diode
D 3 Diode
D 4 Diode (Fan)
D 5 DLC3
D 6 Door Control Receiver

E 8 ECT Pattern Select SW
E 9 Engine and ECT ECU (A/T)
Engine ECU (M/T)
E 10 Engine and ECT ECU (A/T)
Engine ECU (M/T)
E 11 Engine and ECT ECU (A/T)
Engine ECU (M/T)
E 12 Engine and ECT ECU (A/T)
Engine ECU (M/T)
E 13 Engine and ECT ECU (A/T)
Engine ECU (M/T)
E 14 EPS ECU
E 15 EPS ECU

F 19 Front Passenger's Seat Belt Warning Light
Rear Window Defogger SW
Security Indicator Light
F 27 Fuel Control SW

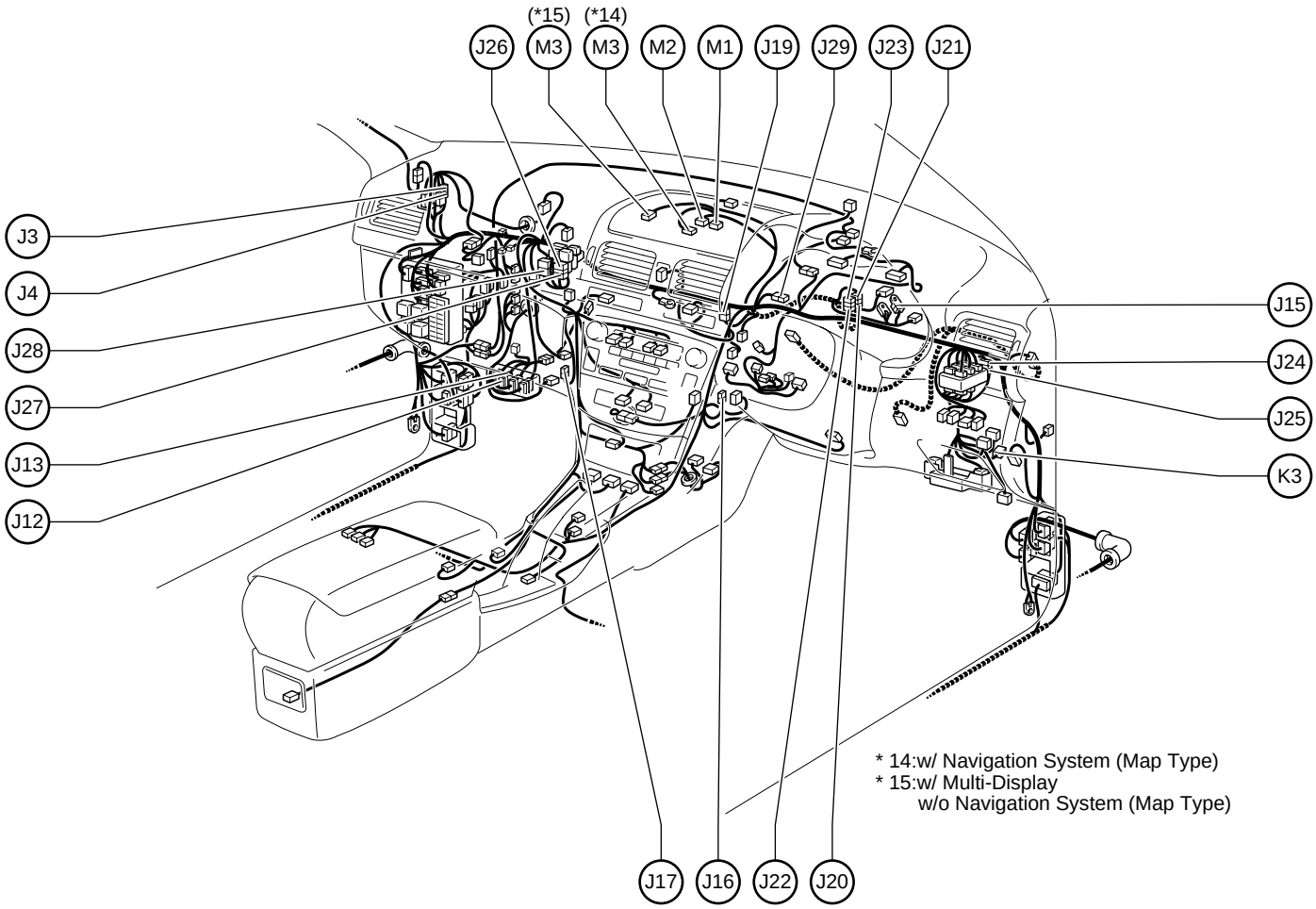
G 3 Glove Box Light

H13 Hazard SW
H14 Headlight Beam Level Control ECU
H15 Headlight Beam Level Control SW
H16 Headlight Cleaner SW
H17 Heated Oxygen Sensor (Bank 1 Sensor 2)
H18 Height Control Sensor (Front)

I 11 Ignition Key Cylinder Light
I 12 Ignition Key Cylinder Light
Transponder Key Amplifier
I 13 Ignition SW
I 14 Integration Relay

Position of Parts in Instrument Panel

[RHD]



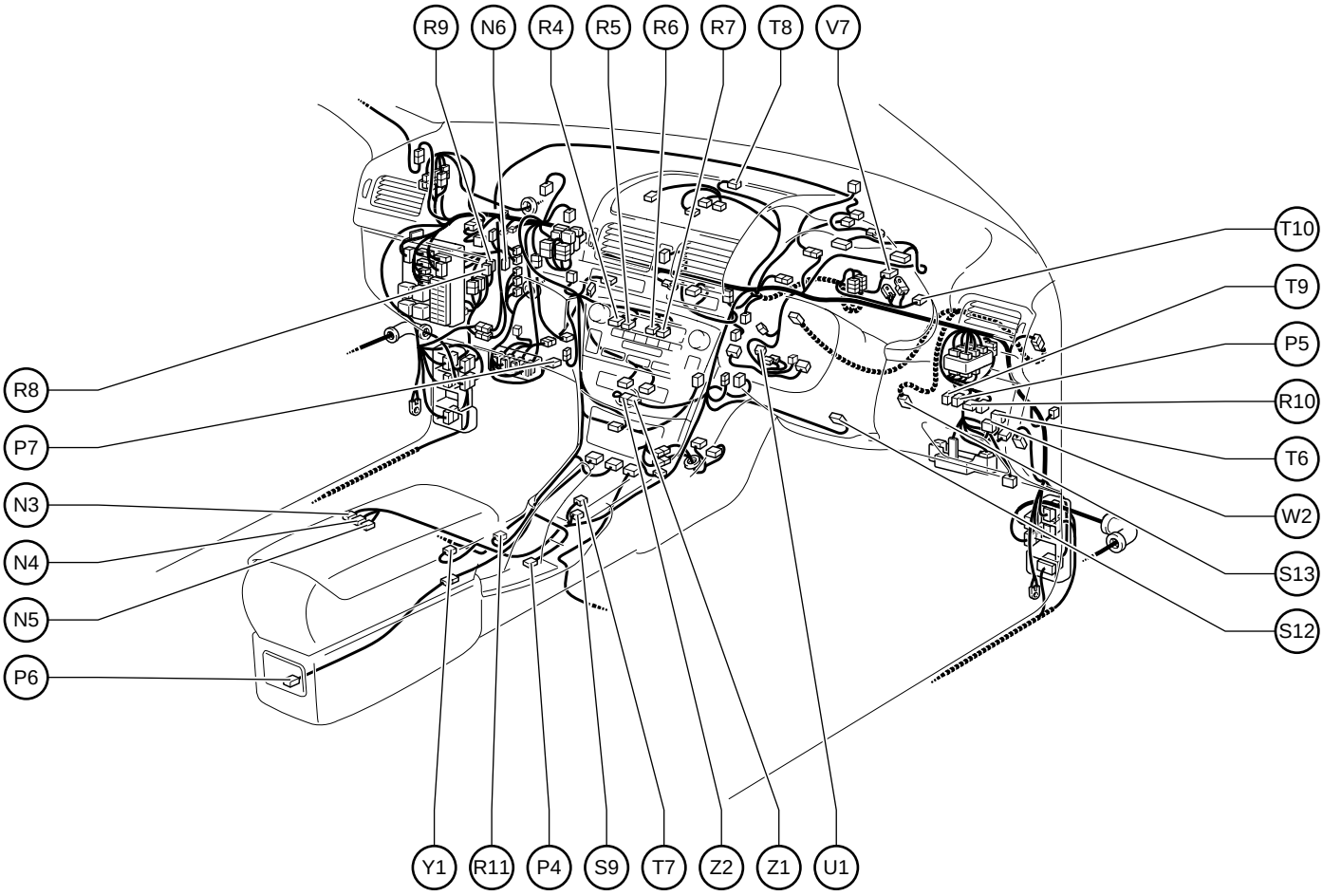
J 3 Junction Connector
J 4 Junction Connector
J 12 Junction Connector
J 13 Junction Connector
J 15 Junction Connector
J 16 Junction Connector
J 17 Junction Connector
J 19 Junction Connector
J 20 Junction Connector
J 21 Junction Connector
J 22 Junction Connector
J 23 Junction Connector
J 24 Junction Connector
J 25 Junction Connector
J 26 Junction Connector
J 27 Junction Connector
J 28 Junction Connector
J 29 Junction Connector

K 3 Knee Airbag Squib

M 1 Multi–Display
M 2 Multi–Display
M 3 Multi–Display

Position of Parts in Instrument Panel

[RHD]



N 3 Navigation ECU
N 4 Navigation ECU
N 5 Navigation ECU
N 6 Noise Filter (Rear Window Defogger No.1)

P 4 Parking Brake SW
P 5 Power Heater SW
P 6 Power Outlet
P 7 PTC Heater

R 4 Radio and Player
R 5 Radio and Player
R 6 Radio and Player
R 7 Radio and Player
R 8 Rear Fog Light Relay
R 9 Rear Window Defogger Relay
R10 Remote Control Mirror SW
R11 Remote Controller (Navigation)

S 9 Shift Lock Control ECU
S12 Steering Sensor
S13 Stop Light SW

T 6 Theft Deterrent ECU
T 7 Transmission Control SW
T 8 Transponder Key Computer
T 9 TRC Off SW
T10 Turn Signal Flasher Relay

U 1 Unlock Warning SW

V 7 VSC Warning Buzzer

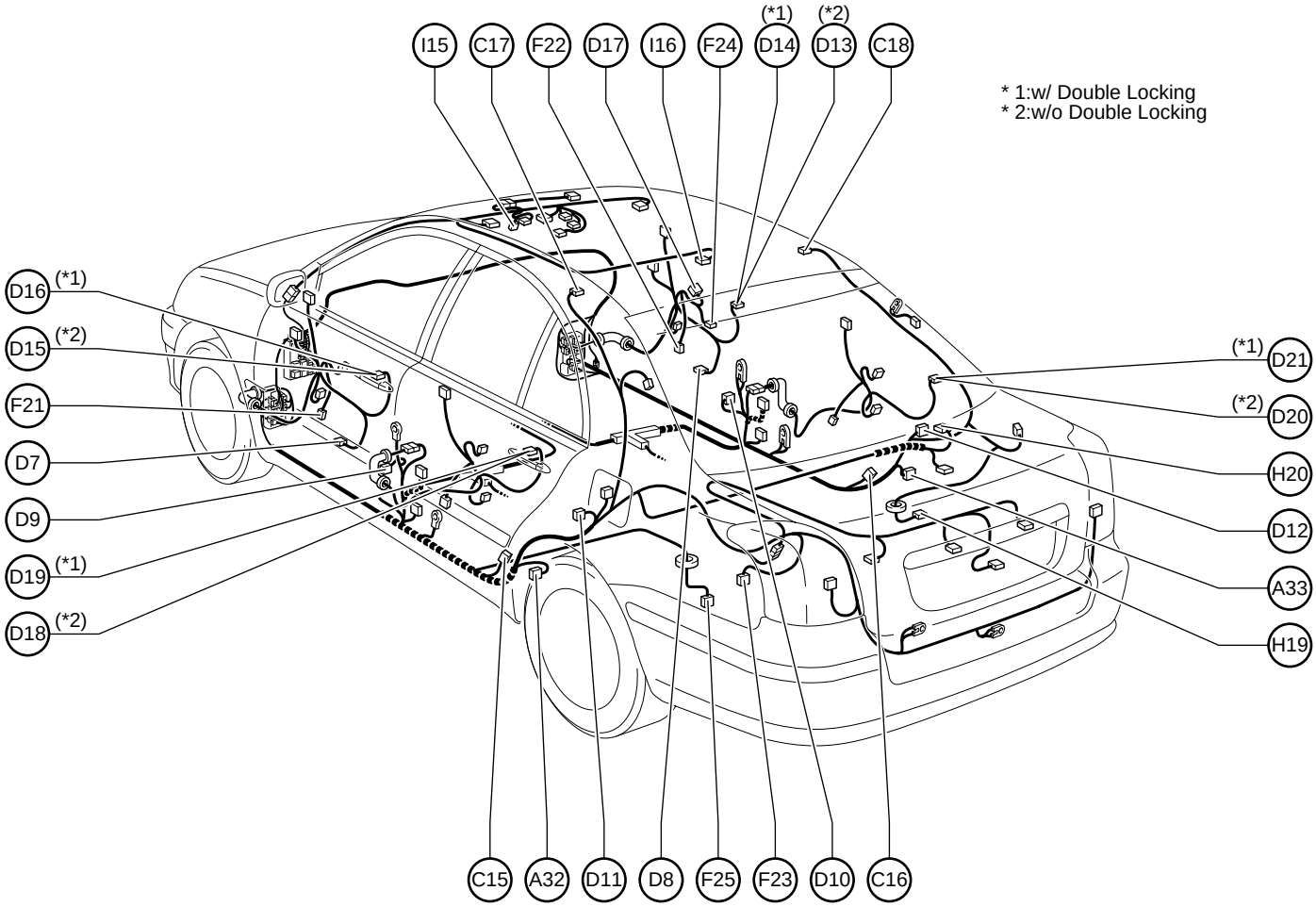
W 2 Wiper Relay

Y 1 Yaw Rate Sensor

Z 1 Option Connector (Navigation ECU)
Z 2 Option Connector (Navigation ECU)

Position of Parts in Body

[RHD : S/D]



A32 ABS Speed Sensor Rear LH
A33 ABS Speed Sensor Rear RH

C15 Curtain Shield Airbag Sensor LH
C16 Curtain Shield Airbag Sensor RH
C17 Curtain Shield Airbag Squib LH
C18 Curtain Shield Airbag Squib RH

D 7 Door Courtesy Light LH
D 8 Door Courtesy Light RH
D 9 Door Courtesy SW Front LH
D10 Door Courtesy SW Front RH
D11 Door Courtesy SW Rear LH
D12 Door Courtesy SW Rear RH
D13 Door Key Lock and Unlock SW (Driver's Side)
Door Lock Control Motor (Driver's Side)
Door Unlock Detection SW (Driver's Side)
D14 Door Key Lock and Unlock SW (Driver's Side)
Door Lock Control Motor (Driver's Side)
Door Unlock Detection SW (Driver's Side)
Double Lock Motor (Driver's Side)
Double Lock Position SW (Driver's Side)
D15 Door Lock Control Motor (Front Passenger's Side)
D16 Door Lock Control Motor (Front Passenger's Side)
Door Unlock Detection SW (Front Passenger's Side)
Double Lock Motor (Front Passenger's Side)
Double Lock Position SW (Front Passenger's Side)
D17 Door Lock Control SW
Power Window Master SW
D18 Door Lock Motor Rear LH
D19 Door Lock Motor Rear LH
Door Unlock Detection SW Rear LH
Double Lock Motor Rear LH
Double Lock Position SW Rear LH
D20 Door Lock Motor Rear RH
D21 Door Lock Motor Rear RH
Door Unlock Detection SW Rear RH
Double Lock Motor Rear RH
Double Lock Position SW Rear RH

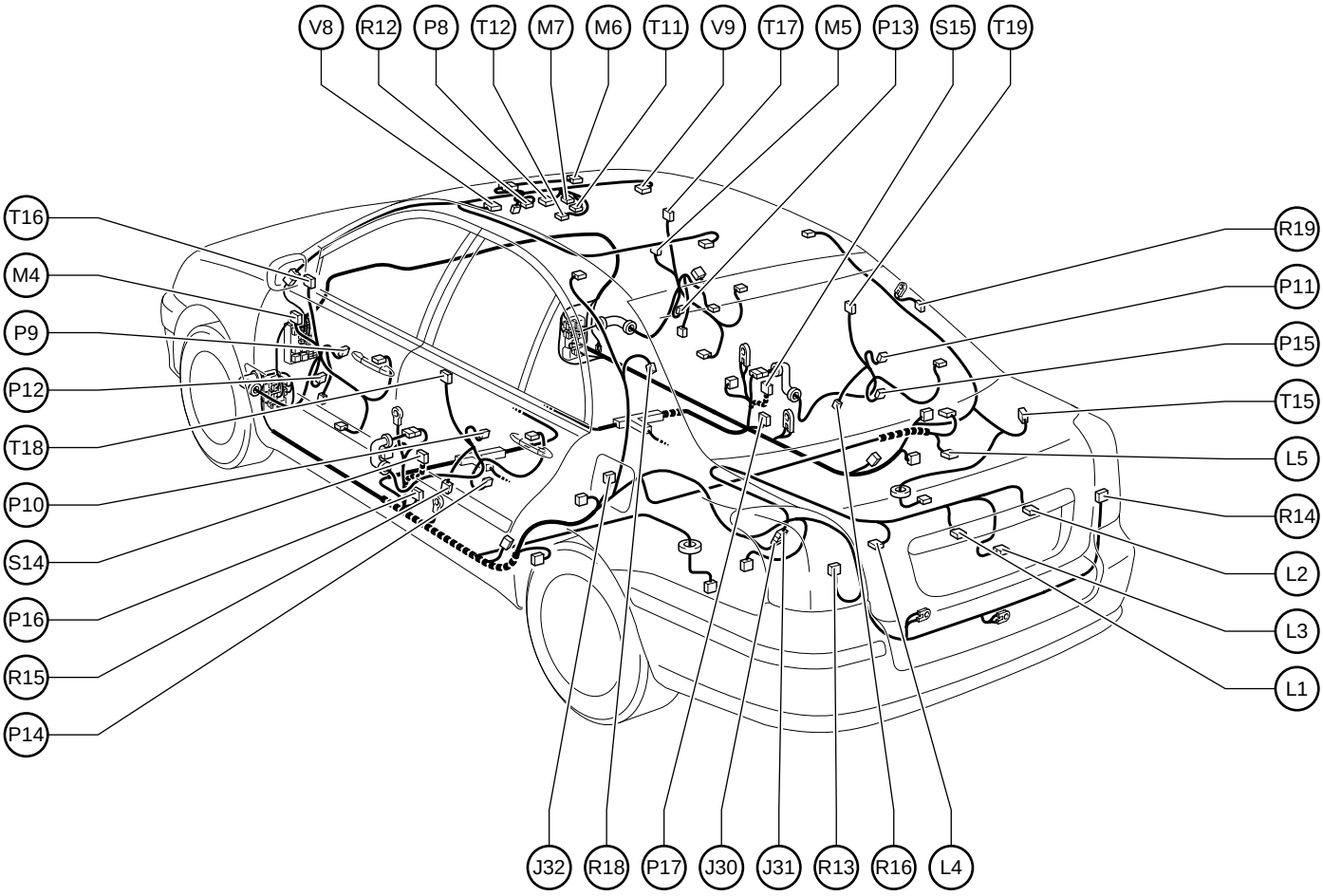
F 21 Front Door Speaker LH
F 22 Front Door Speaker RH
F 23 Fuel Lid Opener Motor
F 24 Fuel Lid Opener SW
F 25 Fuel Pump
Fuel Sender

H19 Height Control Sensor (Rear)
H20 High Mounted Stop Light

I 15 Inner Mirror
I 16 Interior Light

Position of Parts in Body

[RHD : S/D]



J 30 Junction Connector
J 31 Junction Connector
J 32 Junction Connector

L 1 License Plate Light LH
L 2 License Plate Light RH
L 3 Luggage Compartment Door Lock Motor
Luggage Compartment Light SW
L 4 Luggage Compartment Door Opener SW
L 5 Luggage Compartment Light

M 4 Mirror Heater LH
Remote Control Mirror LH
M 5 Mirror Heater RH
Remote Control Mirror RH
M 6 Moon Roof Control Relay and Motor
M 7 Moon Roof Control SW

P 8 Personal Light
P 9 Power Window Control SW (Front Passenger Side)
P 10 Power Window Control SW Rear LH
P 11 Power Window Control SW Rear RH
P 12 Power Window Motor Front LH
P 13 Power Window Motor Front RH
P 14 Power Window Motor Rear LH
P 15 Power Window Motor Rear RH
P 16 Pretensioner LH
P 17 Pretensioner RH

R 12 Rain Sensor
R 13 Rear Combination Light LH
R 14 Rear Combination Light RH
R 15 Rear Door Speaker LH
R 16 Rear Door Speaker RH
R 18 Rear Window Defogger
R 19 Rear Window Defogger

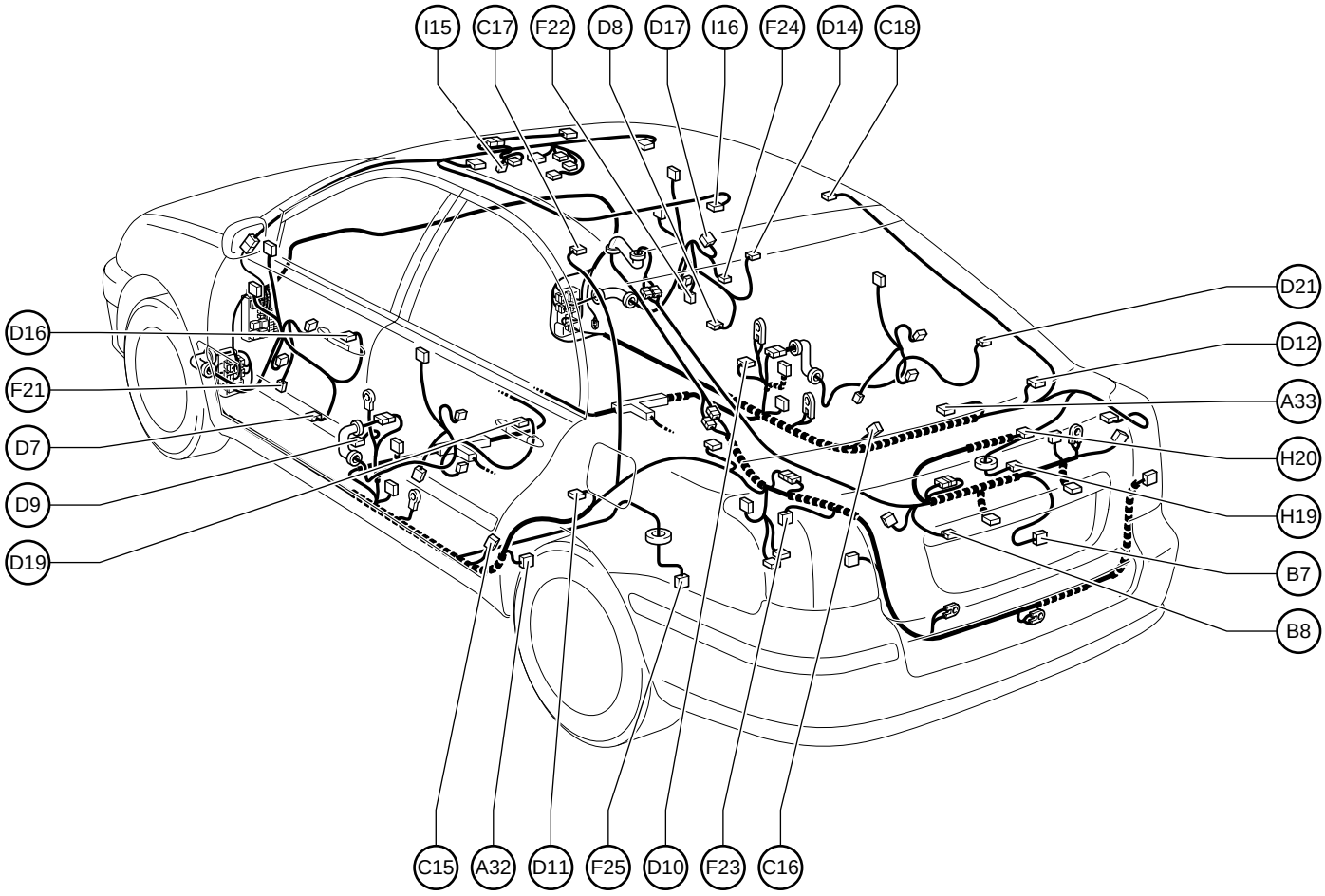
S 14 Side Airbag Sensor LH
S 15 Side Airbag Sensor RH

T 11 Telephone Microphone Amplifier
T 12 Theft Warning Ultrasonic Sensor
T 15 Theft Warning Siren
T 16 Tweeter Front LH
T 17 Tweeter Front RH
T 18 Tweeter Rear LH
T 19 Tweeter Rear RH

V 8 Vanity Light LH
V 9 Vanity Light RH

Position of Parts in Body

[RHD : L/B]



A32 ABS Speed Sensor Rear LH
A33 ABS Speed Sensor Rear RH

B 7 Back Door Courtesy SW
Back Door Lock Motor
B 8 Back Door Opener SW

C15 Curtain Shield Airbag Sensor LH
C16 Curtain Shield Airbag Sensor RH
C17 Curtain Shield Airbag Squib LH
C18 Curtain Shield Airbag Squib RH

D 7 Door Courtesy Light LH
D 8 Door Courtesy Light RH
D 9 Door Courtesy SW Front LH
D10 Door Courtesy SW Front RH
D11 Door Courtesy SW Rear LH
D12 Door Courtesy SW Rear RH
D14 Door Key Lock and Unlock SW (Driver's Side)
Door Lock Control Motor (Driver's Side)
Door Unlock Detection SW (Driver's Side)
Double Lock Motor (Driver's Side)
Double Lock Position SW (Driver's Side)
D16 Door Lock Control Motor (Front Passenger's Side)
Door Unlock Detection SW (Front Passenger's Side)
Double Lock Motor (Front Passenger's Side)
Double Lock Position SW (Front Passenger's Side)
D17 Door Lock Control SW
Power Window Master SW
D19 Door Lock Motor Rear LH
Door Unlock Detection SW Rear LH
Double Lock Motor Rear LH
Double Lock Position SW Rear LH
D21 Door Lock Motor Rear RH
Door Unlock Detection SW Rear RH
Double Lock Motor Rear RH
Double Lock Position SW Rear RH

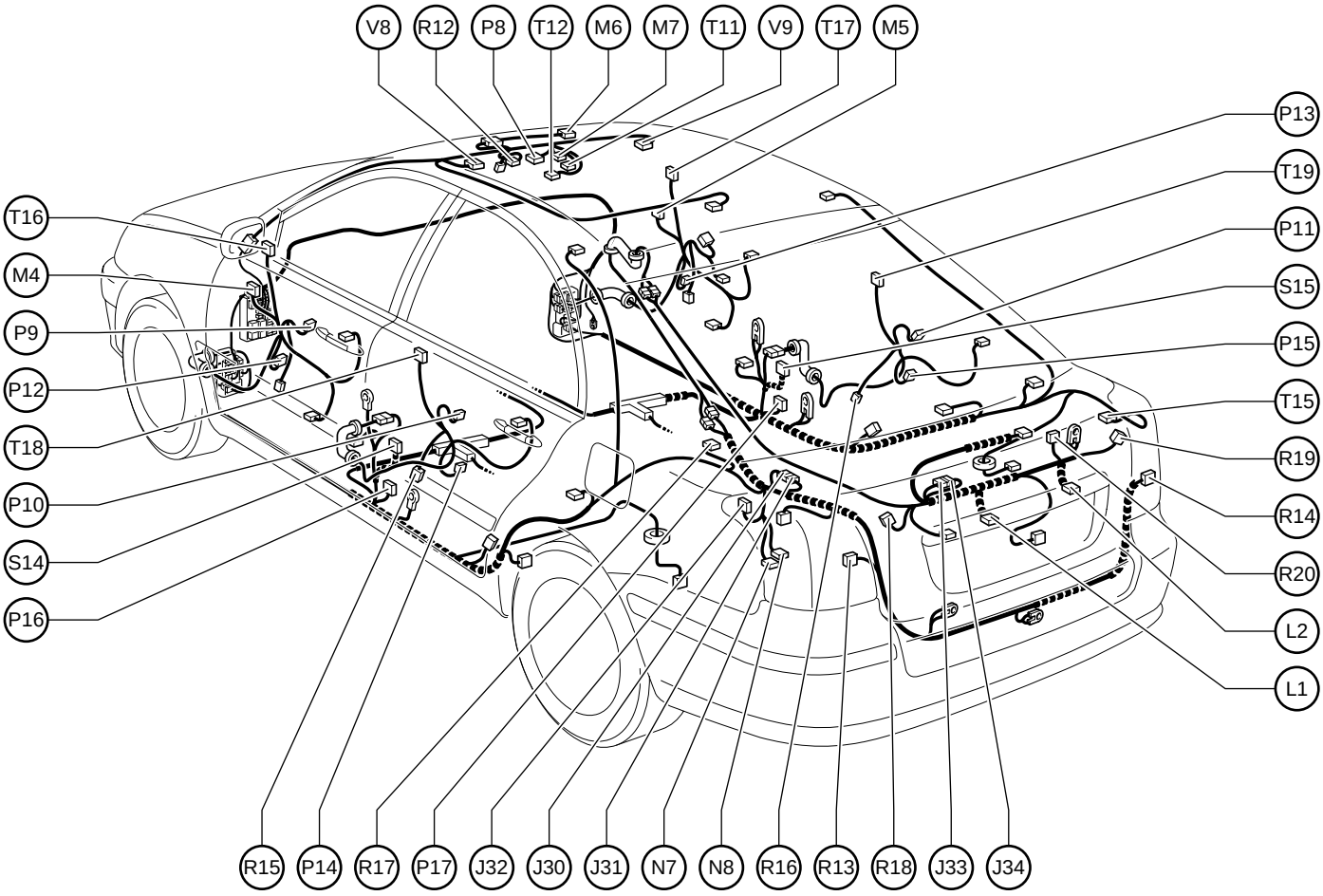
F 21 Front Door Speaker LH
F 22 Front Door Speaker RH
F 23 Fuel Lid Opener Motor
F 24 Fuel Lid Opener SW
F 25 Fuel Pump
Fuel Sender

H19 Height Control Sensor (Rear)
H20 High Mounted Stop Light

I 15 Inner Mirror
I 16 Interior Light

Position of Parts in Body

[RHD : L/B]



J 30 Junction Connector
J 31 Junction Connector
J 32 Junction Connector
J 33 Junction Connector
J 34 Junction Connector

L 1 License Plate Light LH
L 2 License Plate Light RH

M 4 Mirror Heater LH
Remote Control Mirror LH
M 5 Mirror Heater RH
Remote Control Mirror RH
M 6 Moon Roof Control Relay and Motor
M 7 Moon Roof Control SW

N 7 Noise Filter (Rear Window Defogger No.2)
N 8 Noise Filter (Stop Light)

P 8 Personal Light
P 9 Power Window Control SW (Front Passenger Side)
P 10 Power Window Control SW Rear LH
P 11 Power Window Control SW Rear RH
P 12 Power Window Motor Front LH
P 13 Power Window Motor Front RH
P 14 Power Window Motor Rear LH
P 15 Power Window Motor Rear RH
P 16 Pretensioner LH
P 17 Pretensioner RH

R 12 Rain Sensor
R 13 Rear Combination Light LH
R 14 Rear Combination Light RH
R 15 Rear Door Speaker LH
R 16 Rear Door Speaker RH
R 17 Rear Interior Light
R 18 Rear Window Defogger
R 19 Rear Window Defogger
R 20 Rear Wiper Motor and Relay

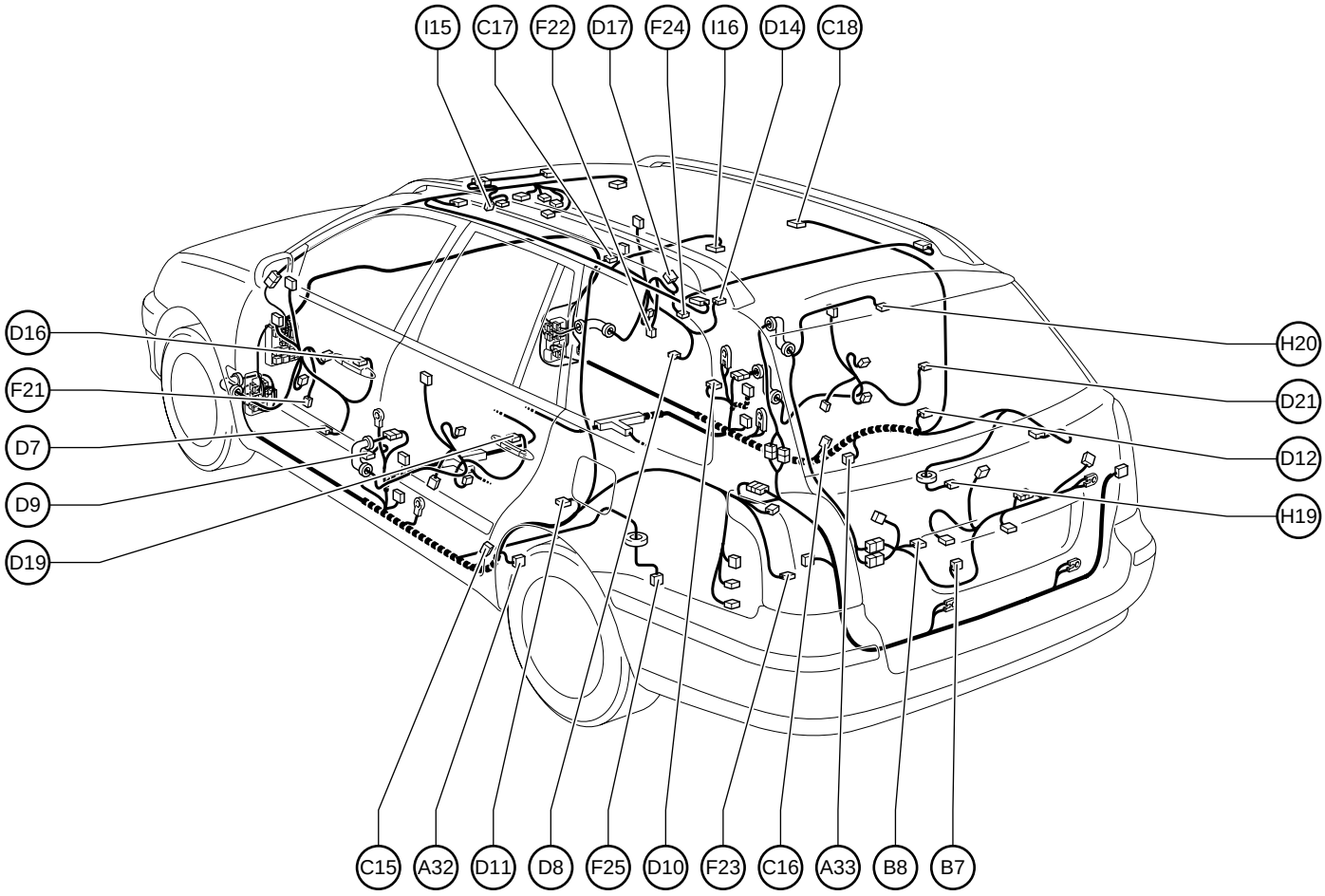
S 14 Side Airbag Sensor LH
S 15 Side Airbag Sensor RH

T 11 Telephone Microphone Amplifier
T 12 Theft Warning Ultrasonic Sensor
T 15 Theft Warning Siren
T 16 Tweeter Front LH
T 17 Tweeter Front RH
T 18 Tweeter Rear LH
T 19 Tweeter Rear RH

V 8 Vanity Light LH
V 9 Vanity Light RH

Position of Parts in Body

[RHD : W/G]



A32 ABS Speed Sensor Rear LH
A33 ABS Speed Sensor Rear RH

B 7 Back Door Courtesy SW
Back Door Lock Motor
B 8 Back Door Opener SW

C15 Curtain Shield Airbag Sensor LH
C16 Curtain Shield Airbag Sensor RH
C17 Curtain Shield Airbag Squib LH
C18 Curtain Shield Airbag Squib RH

D 7 Door Courtesy Light LH
D 8 Door Courtesy Light RH
D 9 Door Courtesy SW Front LH
D10 Door Courtesy SW Front RH
D11 Door Courtesy SW Rear LH
D12 Door Courtesy SW Rear RH
D14 Door Key Lock and Unlock SW (Driver's Side)
Door Lock Control Motor (Driver's Side)
Door Unlock Detection SW (Driver's Side)
Double Lock Motor (Driver's Side)
Double Lock Position SW (Driver's Side)
D16 Door Lock Control Motor (Front Passenger's Side)
Door Unlock Detection SW (Front Passenger's Side)
Double Lock Motor (Front Passenger's Side)
Double Lock Position SW (Front Passenger's Side)
D17 Door Lock Control SW
Power Window Master SW
D19 Door Lock Motor Rear LH
Door Unlock Detection SW Rear LH
Double Lock Motor Rear LH
Double Lock Position SW Rear LH
D21 Door Lock Motor Rear RH
Door Unlock Detection SW Rear RH
Double Lock Motor Rear RH
Double Lock Position SW Rear RH

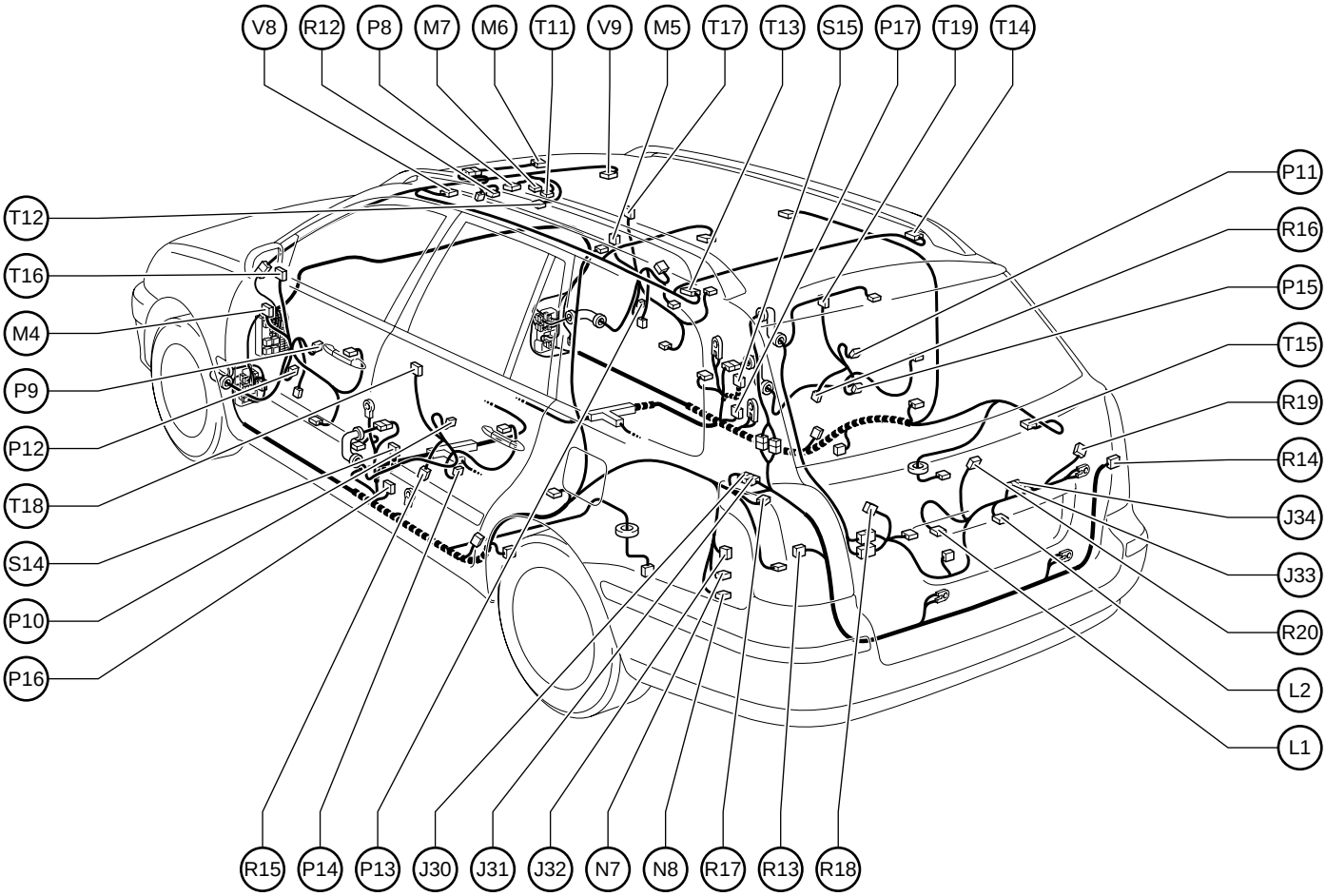
F 21 Front Door Speaker LH
F 22 Front Door Speaker RH
F 23 Fuel Lid Opener Motor
F 24 Fuel Lid Opener SW
F 25 Fuel Pump
Fuel Sender

H19 Height Control Sensor (Rear)
H20 High Mounted Stop Light

I 15 Inner Mirror
I 16 Interior Light

Position of Parts in Body

[RHD : W/G]



J 30 Junction Connector
J 31 Junction Connector
J 32 Junction Connector
J 33 Junction Connector
J 34 Junction Connector

L 1 License Plate Light LH
L 2 License Plate Light RH

M 4 Mirror Heater LH
Remote Control Mirror LH
M 5 Mirror Heater RH
Remote Control Mirror RH
M 6 Moon Roof Control Relay and Motor
M 7 Moon Roof Control SW

N 7 Noise Filter (Rear Window Defogger No.2)
N 8 Noise Filter (Stop Light)

P 8 Personal Light
P 9 Power Window Control SW (Front Passenger Side)
P 10 Power Window Control SW Rear LH
P 11 Power Window Control SW Rear RH
P 12 Power Window Motor Front LH
P 13 Power Window Motor Front RH
P 14 Power Window Motor Rear LH
P 15 Power Window Motor Rear RH
P 16 Pretensioner LH
P 17 Pretensioner RH

R 12 Rain Sensor
R 13 Rear Combination Light LH
R 14 Rear Combination Light RH
R 15 Rear Door Speaker LH
R 16 Rear Door Speaker RH
R 17 Rear Interior Light
R 18 Rear Window Defogger
R 19 Rear Window Defogger
R 20 Rear Wiper Motor and Relay

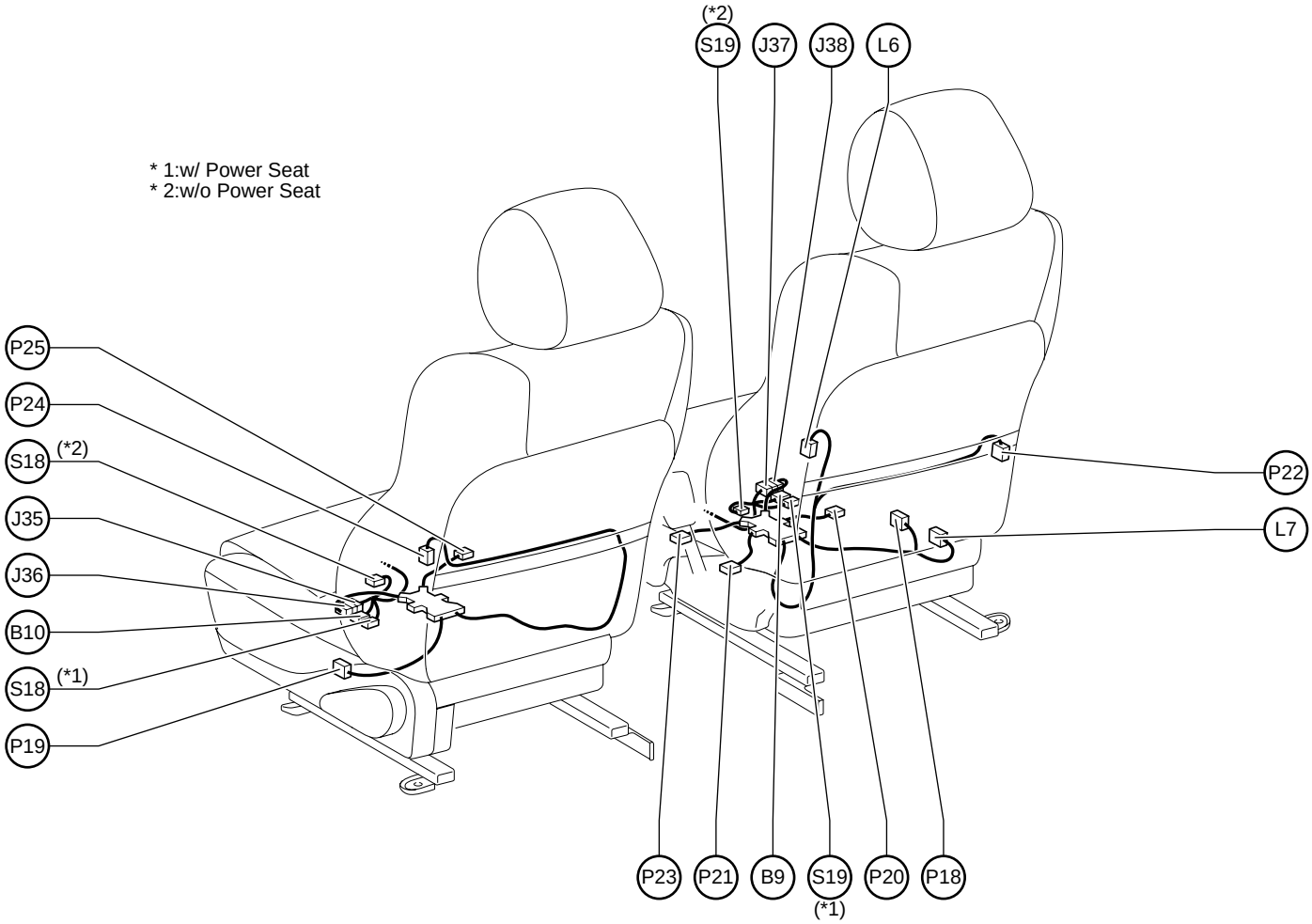
S 14 Side Airbag Sensor LH
S 15 Side Airbag Sensor RH

T 11 Telephone Microphone Amplifier
T 12 Theft Warning Ultrasonic Sensor
T 13 Theft Warning Ultrasonic Sensor Rear LH
T 14 Theft Warning Ultrasonic Sensor Rear RH
T 15 Theft Warning Siren
T 16 Tweeter Front LH
T 17 Tweeter Front RH
T 18 Tweeter Rear LH
T 19 Tweeter Rear RH

V 8 Vanity Light LH
V 9 Vanity Light RH

Position of Parts in Seat

[RHD]



B 9 Buckle SW (Driver's Side)
B10 Buckle SW (Front Passenger's Side) Occupant Detection Sensor

J 35 Junction Connector
J 36 Junction Connector
J 37 Junction Connector
J 38 Junction Connector

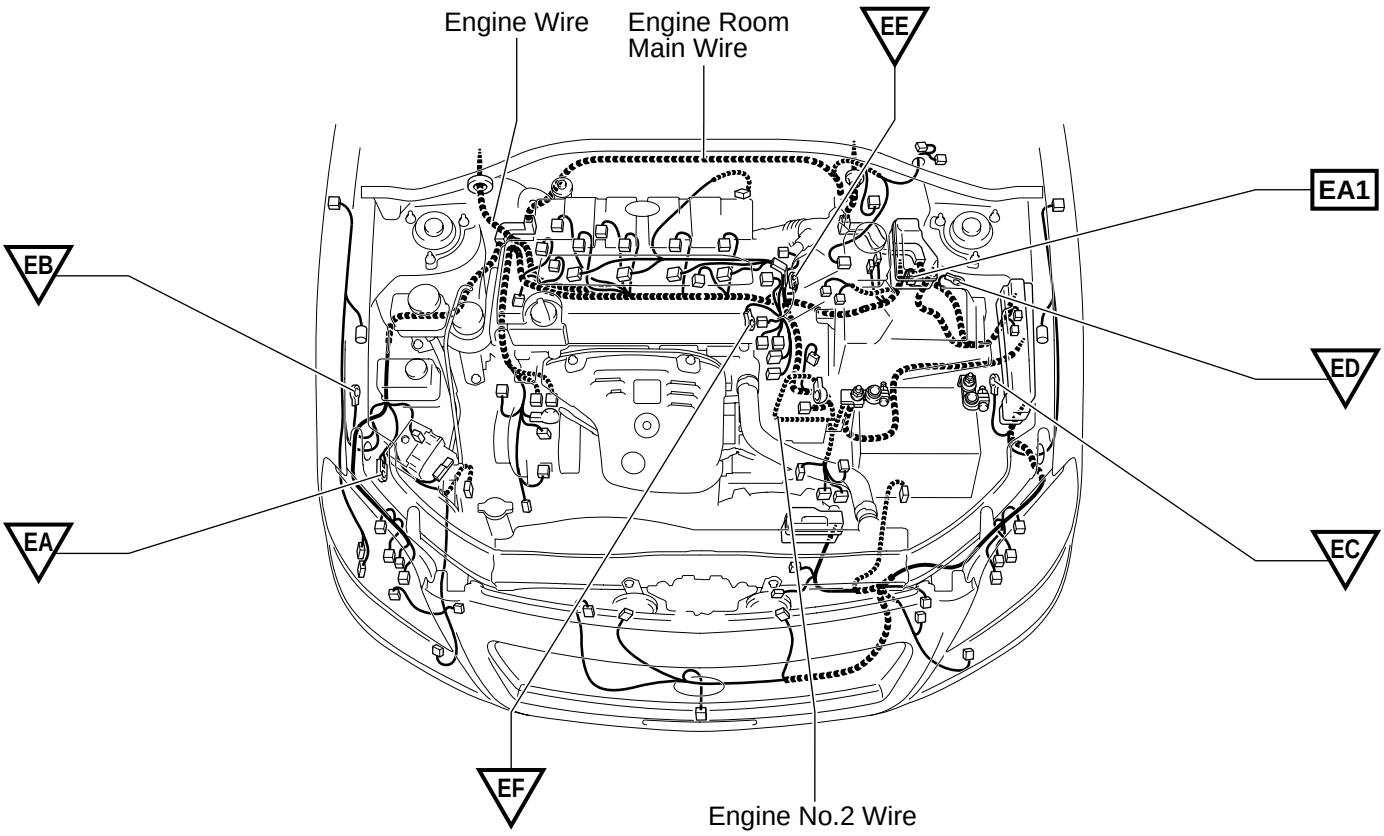
L 6 Lumbar Support Control Motor
L 7 Lumbar Support Control SW

P18 Power Seat Control SW (Driver's Seat)
P19 Power Seat Control SW (Front Passenger's Seat)
P20 Power Seat Motor (Driver's Seat Front Vertical Control)
P21 Power Seat Motor (Driver's Seat Lifter Control)
P22 Power Seat Motor (Driver's Seat Reclining Control)
P23 Power Seat Motor (Driver's Seat Slide Control)
P24 Power Seat Motor (Front Passenger's Seat Reclining Control)
P25 Power Seat Motor (Front Passenger's Seat Slide Control)

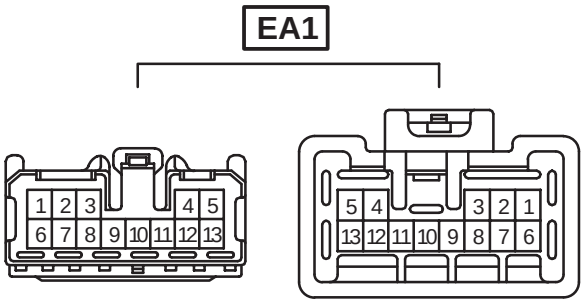
S18 Side Airbag Squib LH
S19 Side Airbag Squib RH

▭ : Location of Connector Joining Wire Harness and Wire Harness
▽ : Location of Ground Points

[LHD : 2AZ–FSE, 1AZ–FSE]



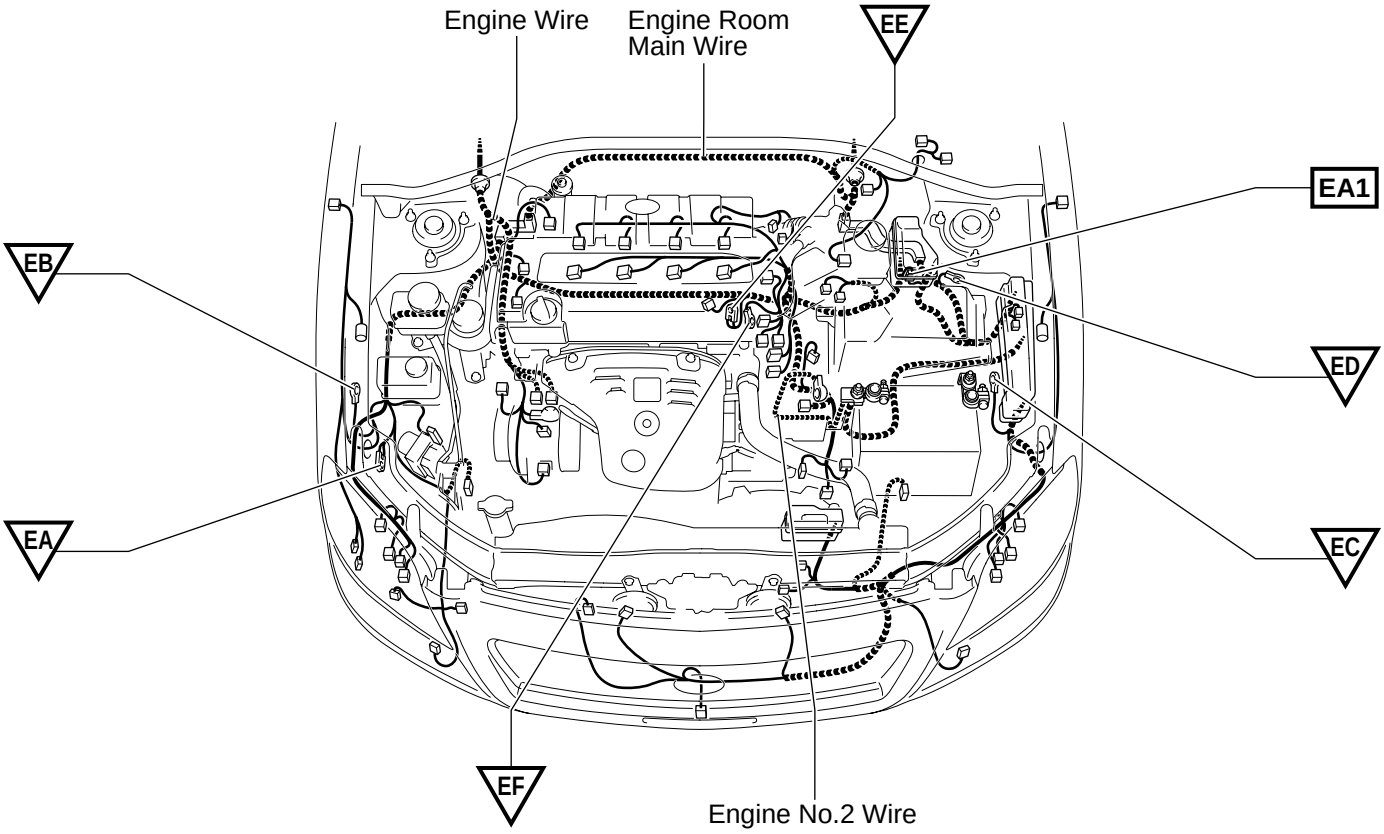
Connector Joining Wire Harness and Wire Harness



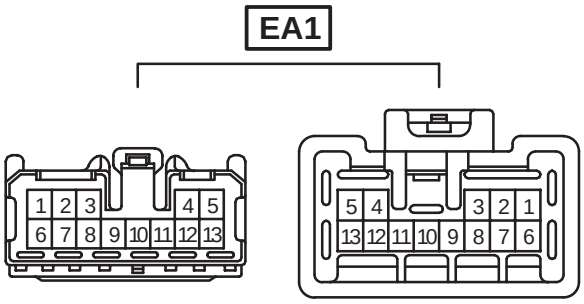
Code	Joining Wire Harness and Wire Harness (Connector Location)
EA1	Engine Wire and Engine Room Main Wire (Left Side of the Suspension Tower)

▭ : Location of Connector Joining Wire Harness and Wire Harness
▽ : Location of Ground Points

[LHD : 1AZ–FE]



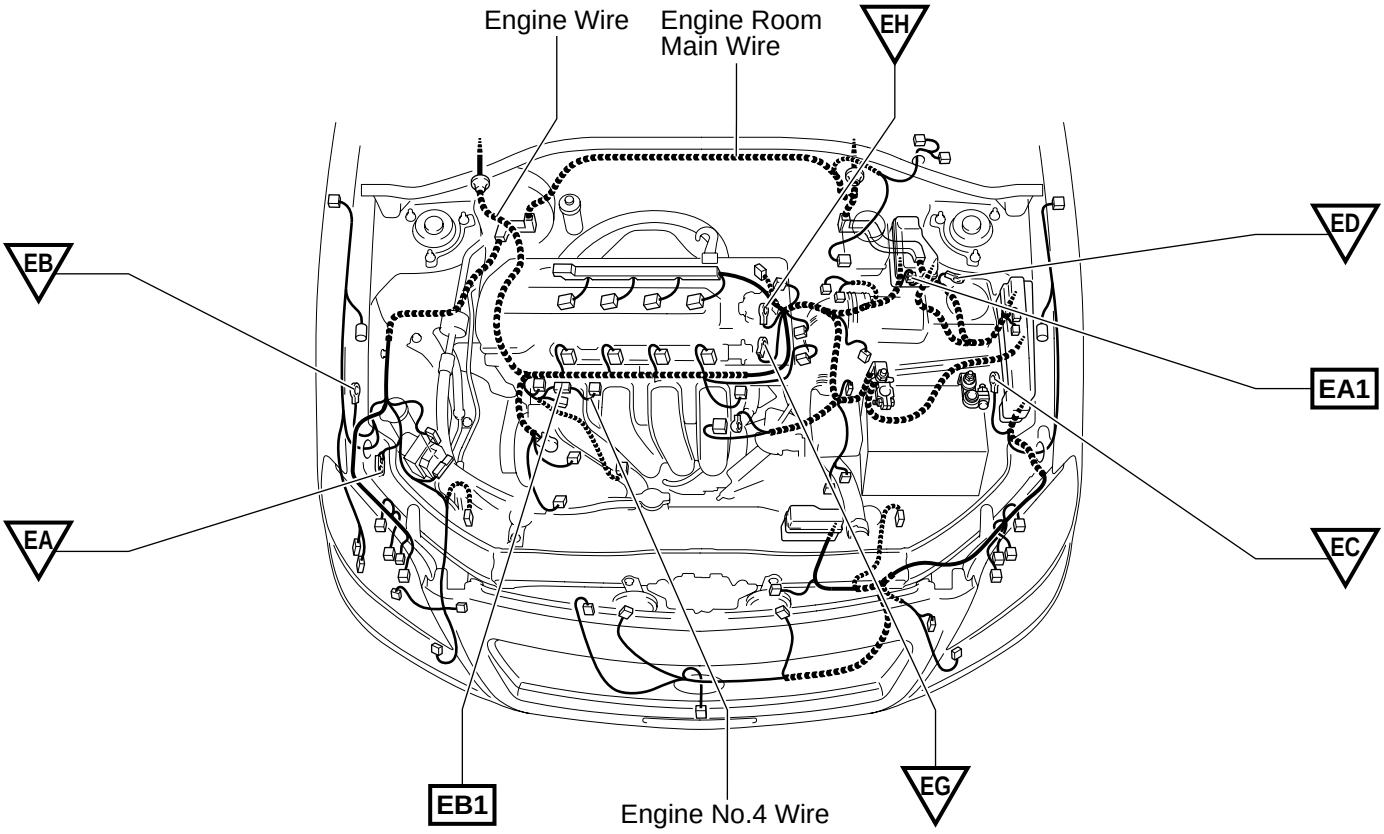
Connector Joining Wire Harness and Wire Harness



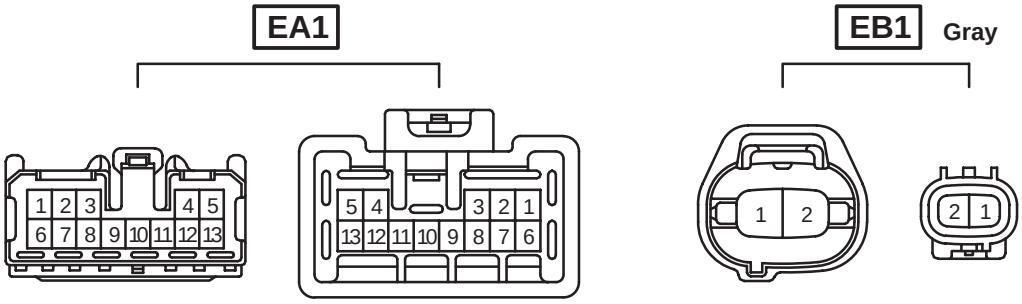
Code	Joining Wire Harness and Wire Harness (Connector Location)
EA1	Engine Wire and Engine Room Main Wire (Left Side of the Suspension Tower)

▭ : Location of Connector Joining Wire Harness and Wire Harness
▽ : Location of Ground Points

[LHD : 1ZZ–FE, 3ZZ–FE]



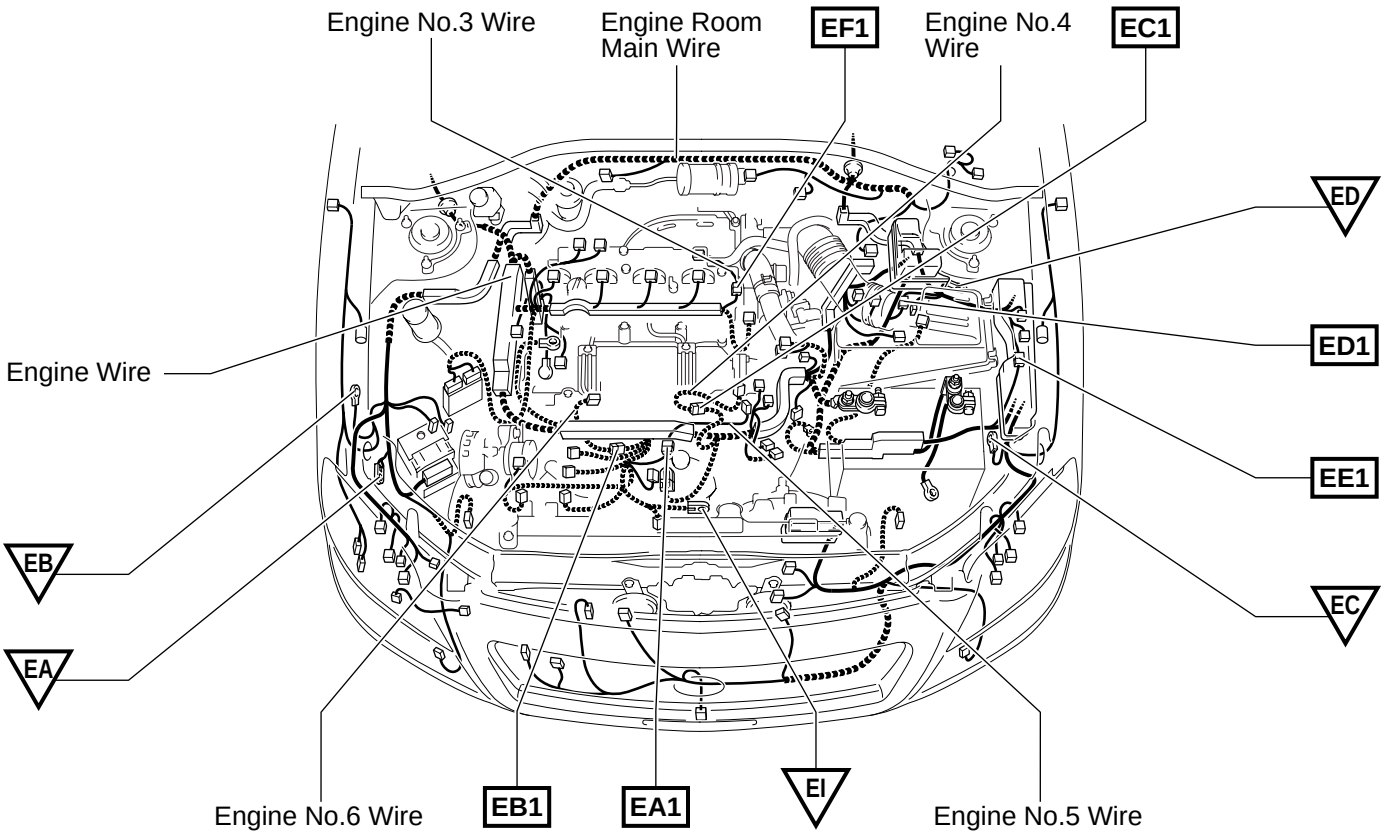
Connector Joining Wire Harness and Wire Harness



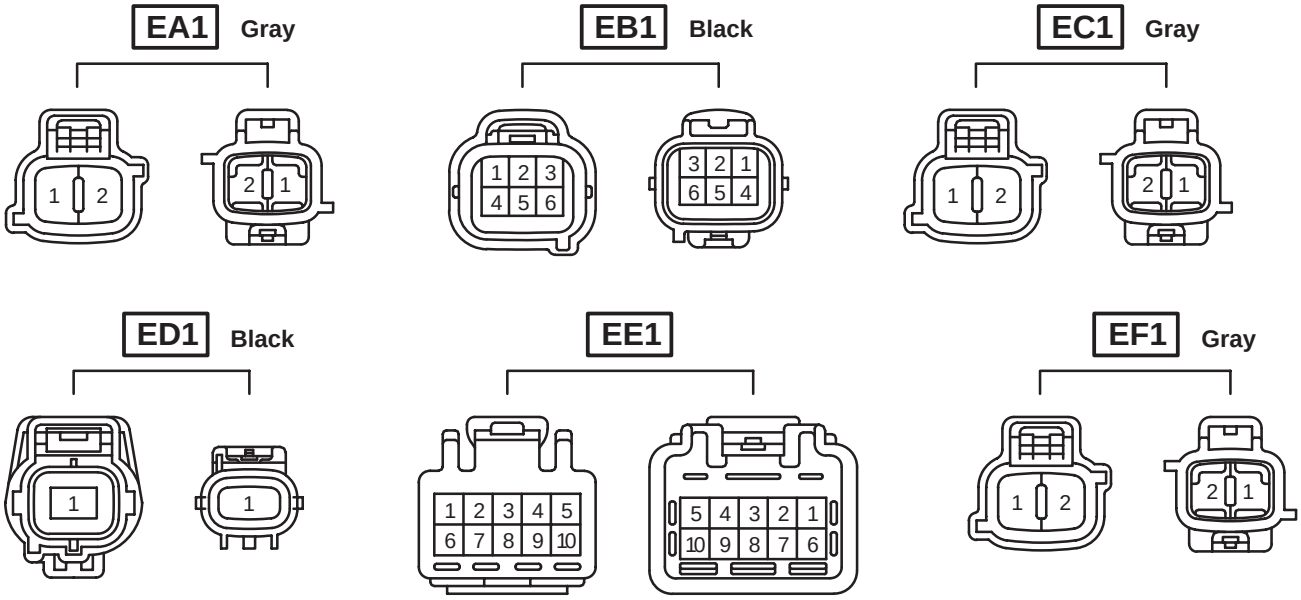
Code	Joining Wire Harness and Wire Harness (Connector Location)
EA1	Engine Wire and Engine Room Main Wire (Left Side of the Suspension Tower)
EB1	Engine Wire and Engine No.4 Wire (Near the Alternator)

▭ : Location of Connector Joining Wire Harness and Wire Harness
▽ : Location of Ground Points

[LHD : 1CD–FTV]



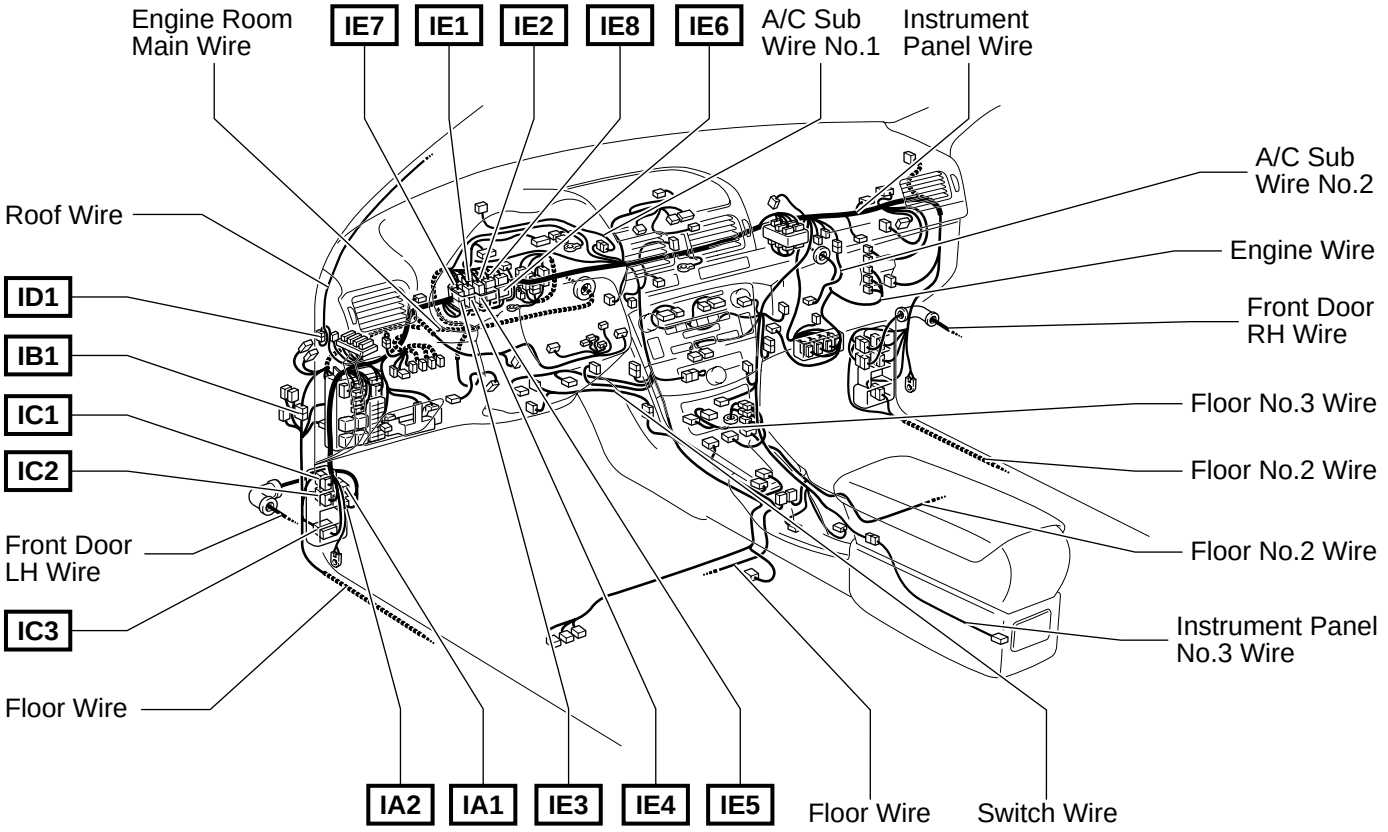
Connector Joining Wire Harness and Wire Harness



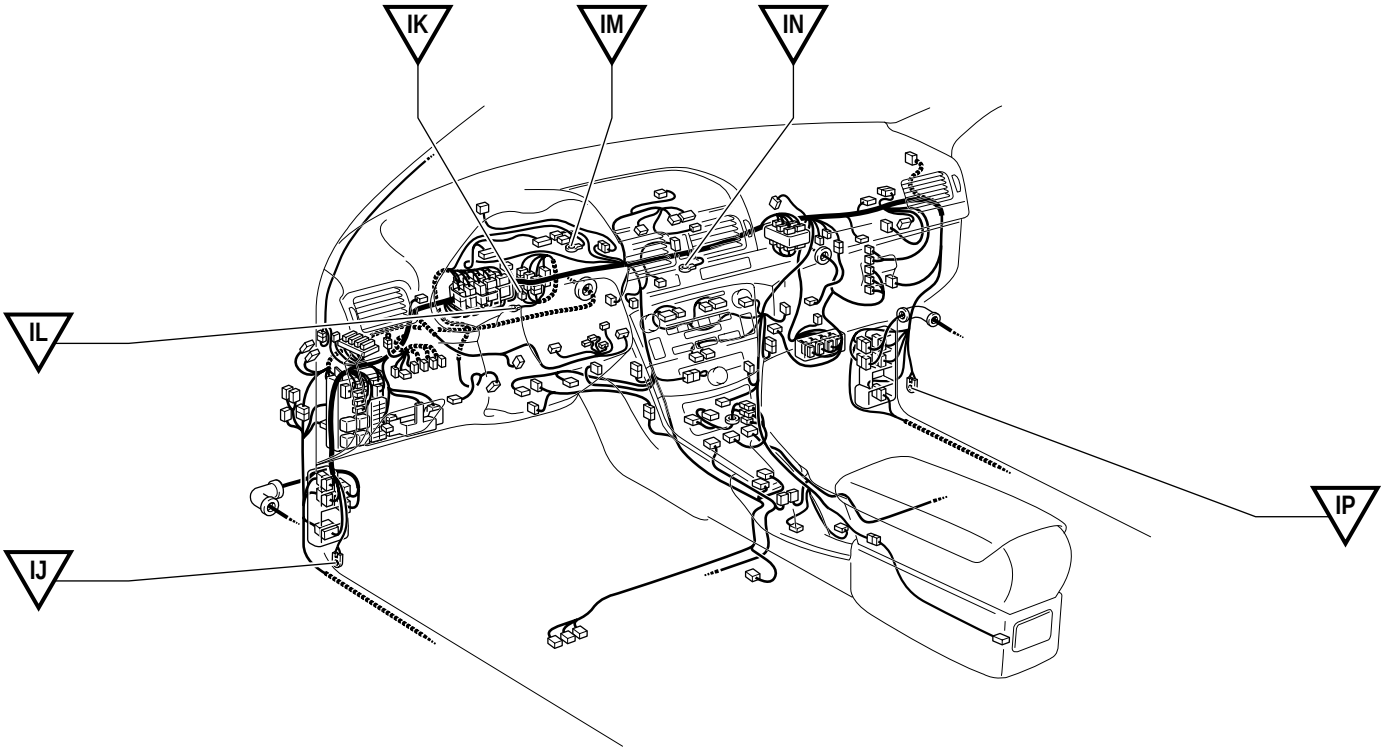
Code	Joining Wire Harness and Wire Harness (Connector Location)
EA1	Engine Wire and Engine No.5 Wire (Near the Starter)
EB1	Engine Wire and Engine No.6 Wire (Near the Starter)
EC1	Engine Wire and Engine No.4 Wire (Near the Starter)
ED1	Engine Wire and Engine Room Main Wire (Left Side of the Suspension Tower)
EE1	Engine Wire and Engine Room Main Wire (Engine Compartment Left)
EF1	Engine Wire and Engine No.3 Wire (Left Side of Cylinder Head)

▭ : Location of Connector Joining Wire Harness and Wire Harness

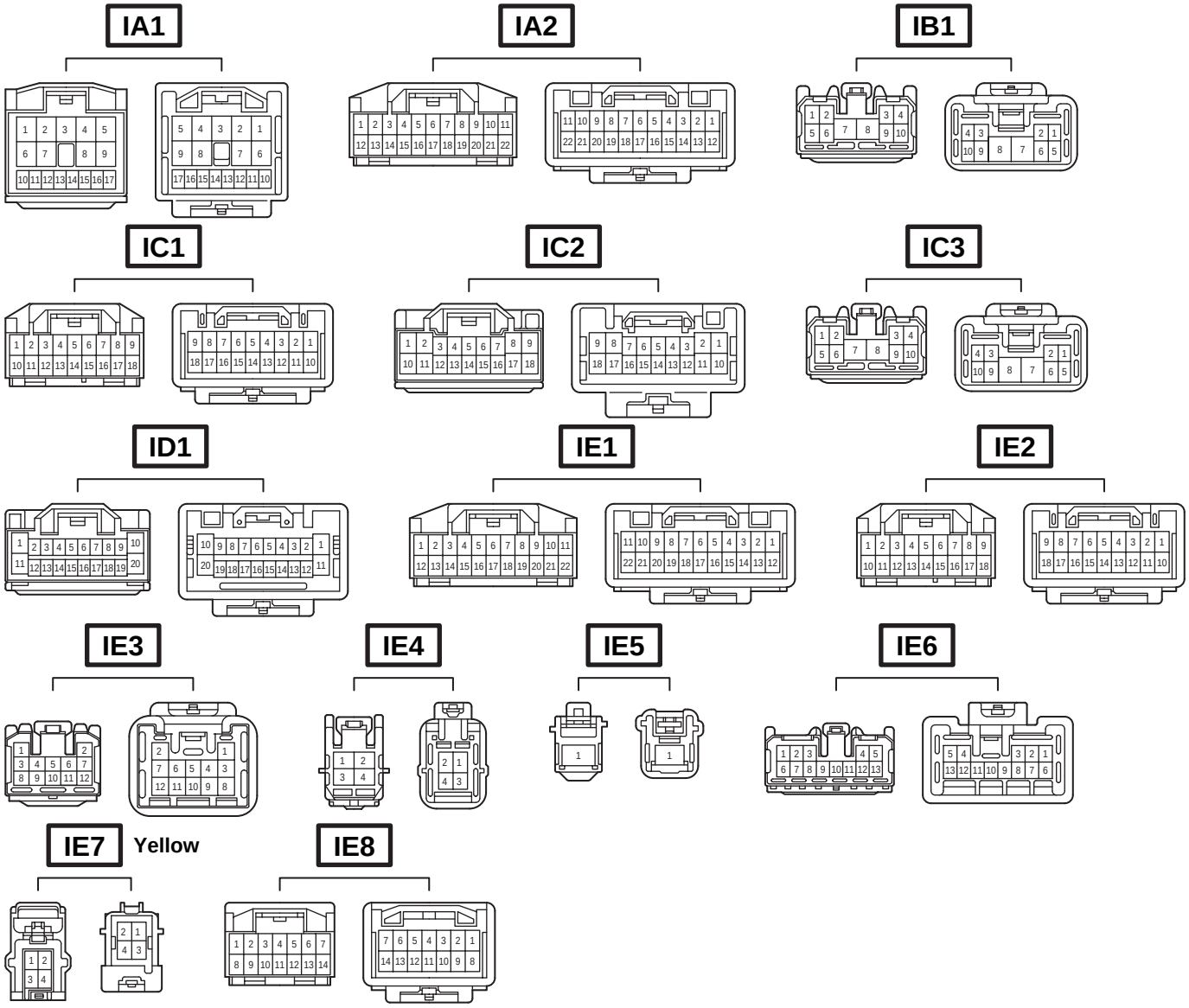
[LHD]



▽ : Location of Ground Points



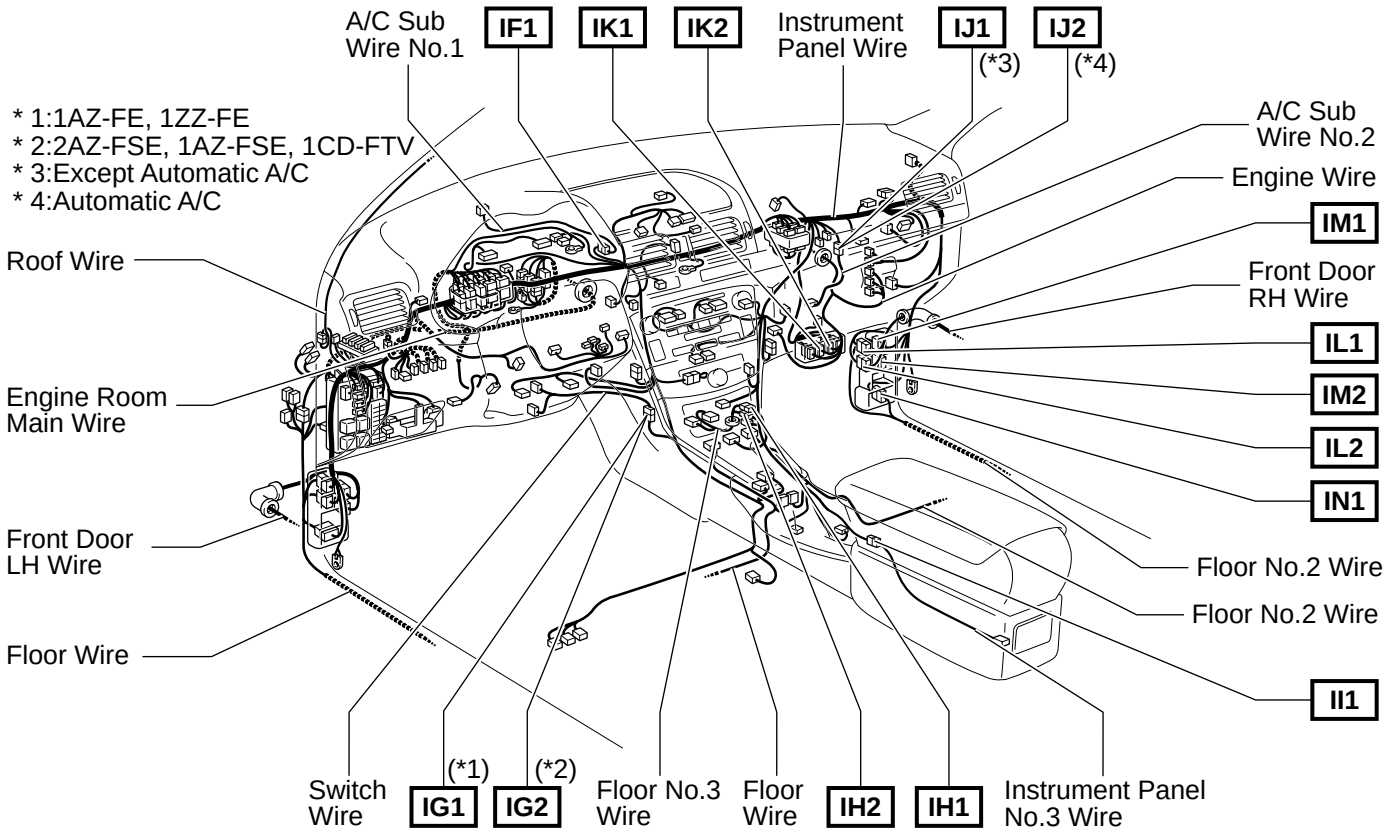
Connector Joining Wire Harness and Wire Harness



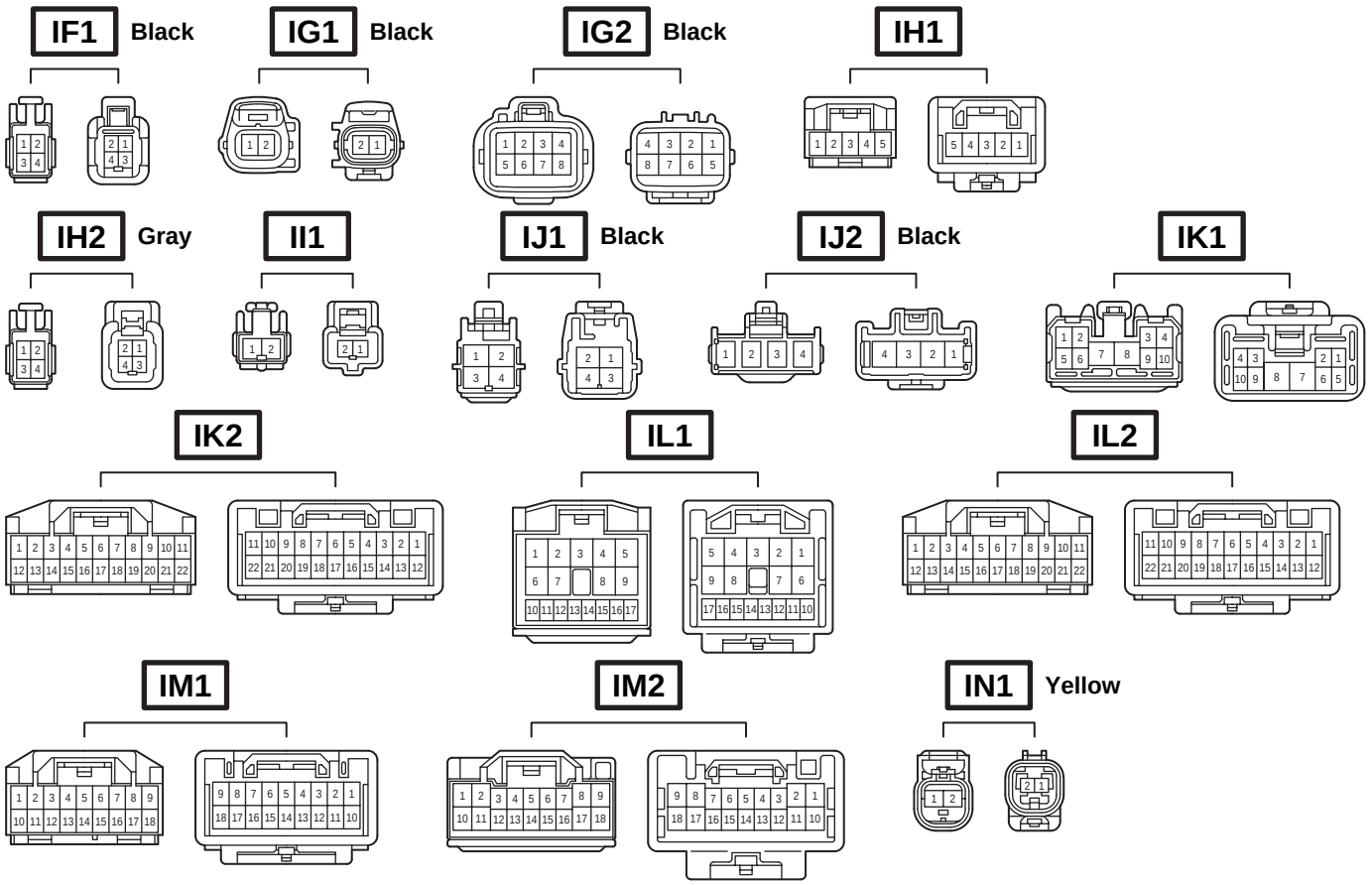
Code	Joining Wire Harness and Wire Harness (Connector Location)
IA1	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
IA2	
IB1	Engine Room Main Wire and Floor Wire (Near the Driver Side J/B)
IC1	Instrument Panel Wire and Floor Wire (Left Kick Panel)
IC2	
IC3	
ID1	Instrument Panel Wire and Roof Wire (Left Side of the Instrument Panel)
IE1	Engine Room Main Wire and Instrument Panel Wire (Behind the Combination Meter)
IE2	
IE3	
IE4	
IE5	
IE6	
IE7	
IE8	

▭ : Location of Connector Joining Wire Harness and Wire Harness

[LHD]



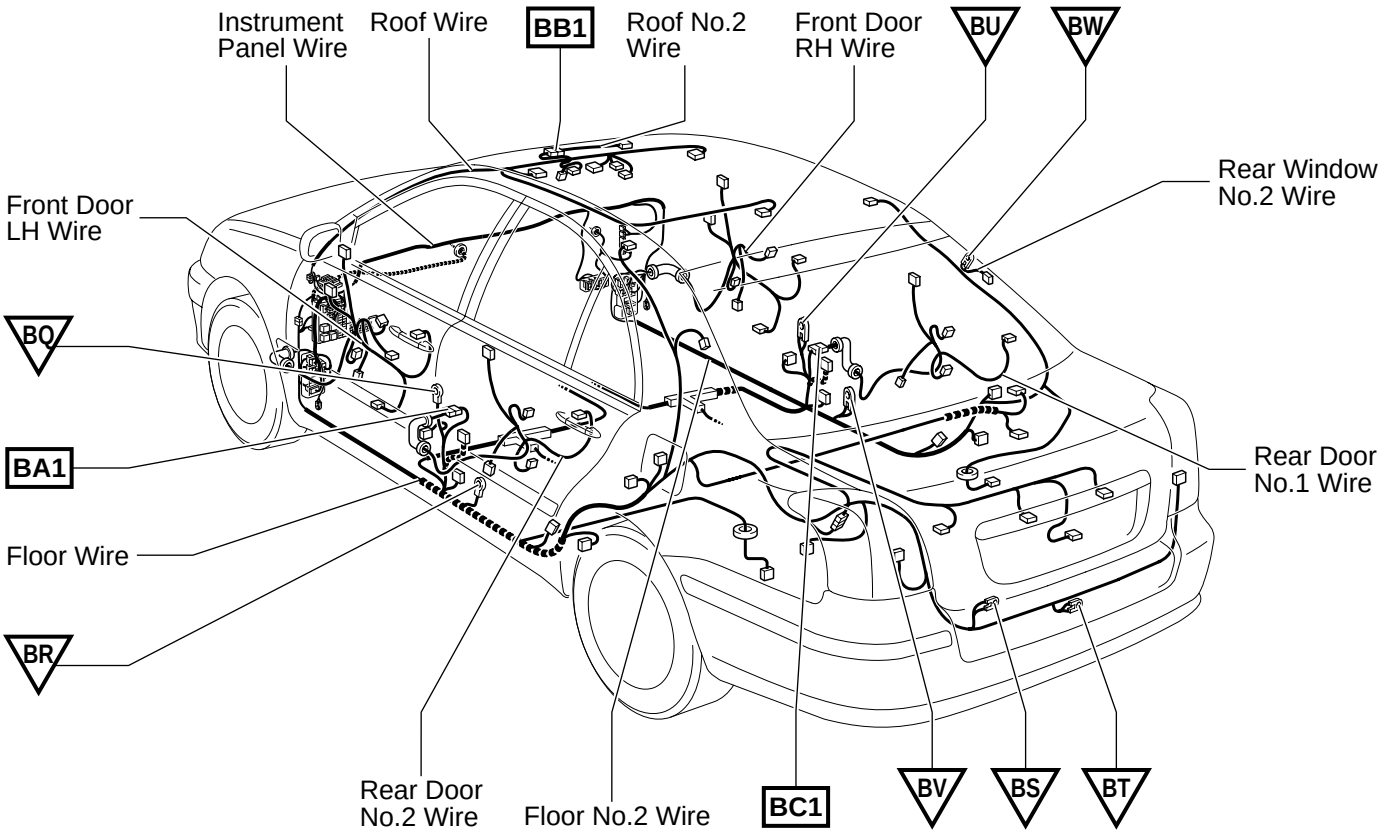
Connector Joining Wire Harness and Wire Harness



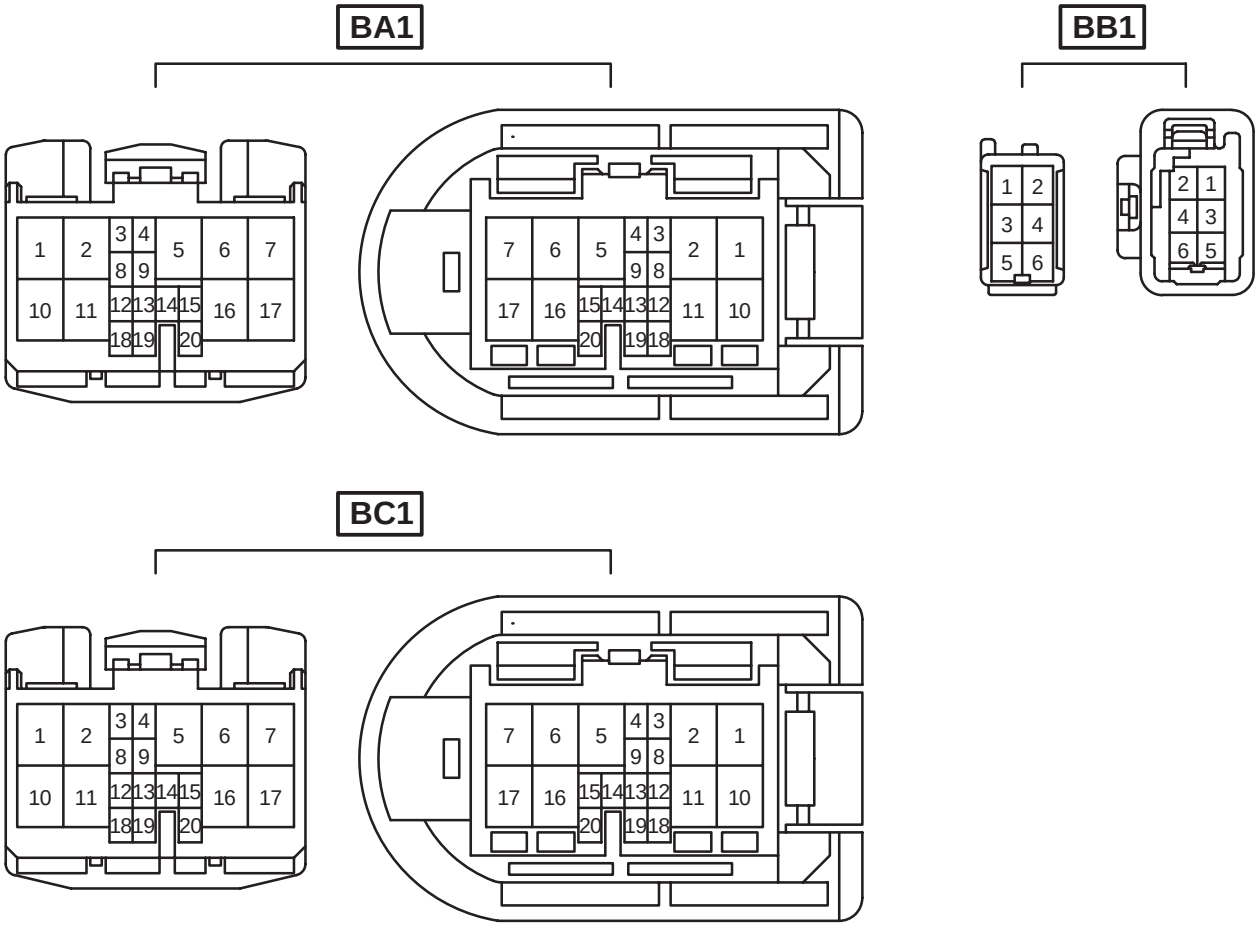
Code	Joining Wire Harness and Wire Harness (Connector Location)
IF1	Instrument Panel Wire and A/C Sub Wire No.1 (Left Side of the Combination Meter)
IG1	Instrument Panel Wire and Switch Wire (Instrument Panel Brace LH)
IG2	
IH1	Floor No.3 Wire and Instrument Panel Wire (Instrument Panel Brace RH)
IH2	
II1	Instrument Panel Wire and Instrument Panel No.3 Wire (Under the Console Box)
IJ1	Instrument Panel Wire and A/C Sub Wire No.2 (Left Side of the A/C Unit)
IJ2	
IK1	Engine Wire and Instrument Panel Wire (Behind the Glove Box)
IK2	
IL1	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
IL2	
IM1	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)
IM2	
IN1	Floor No.2 Wire and Instrument Panel Wire (Right Kick Panel)

▭ : Location of Connector Joining Wire Harness and Wire Harness
▽ : Location of Ground Points

[LHD : S/D]



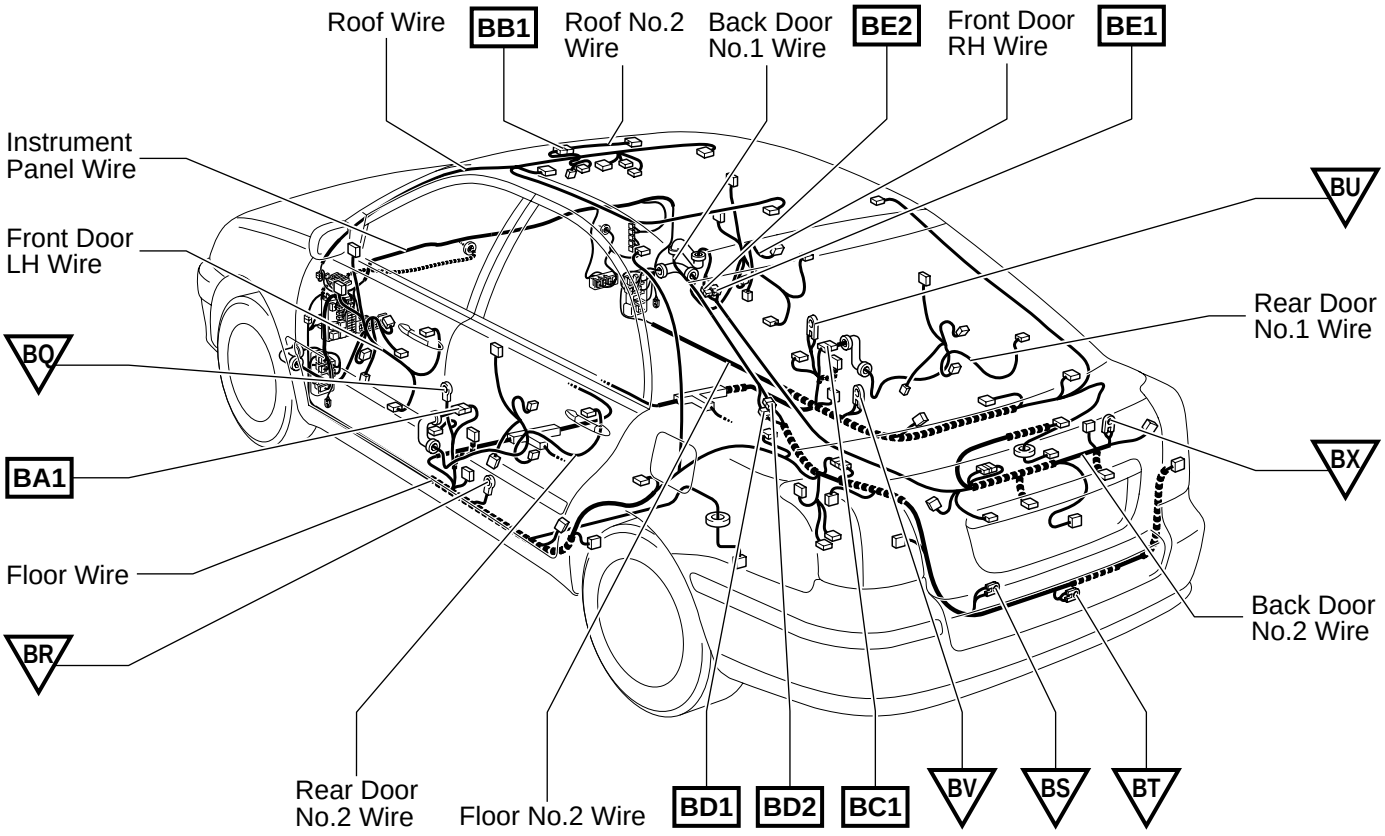
Connector Joining Wire Harness and Wire Harness



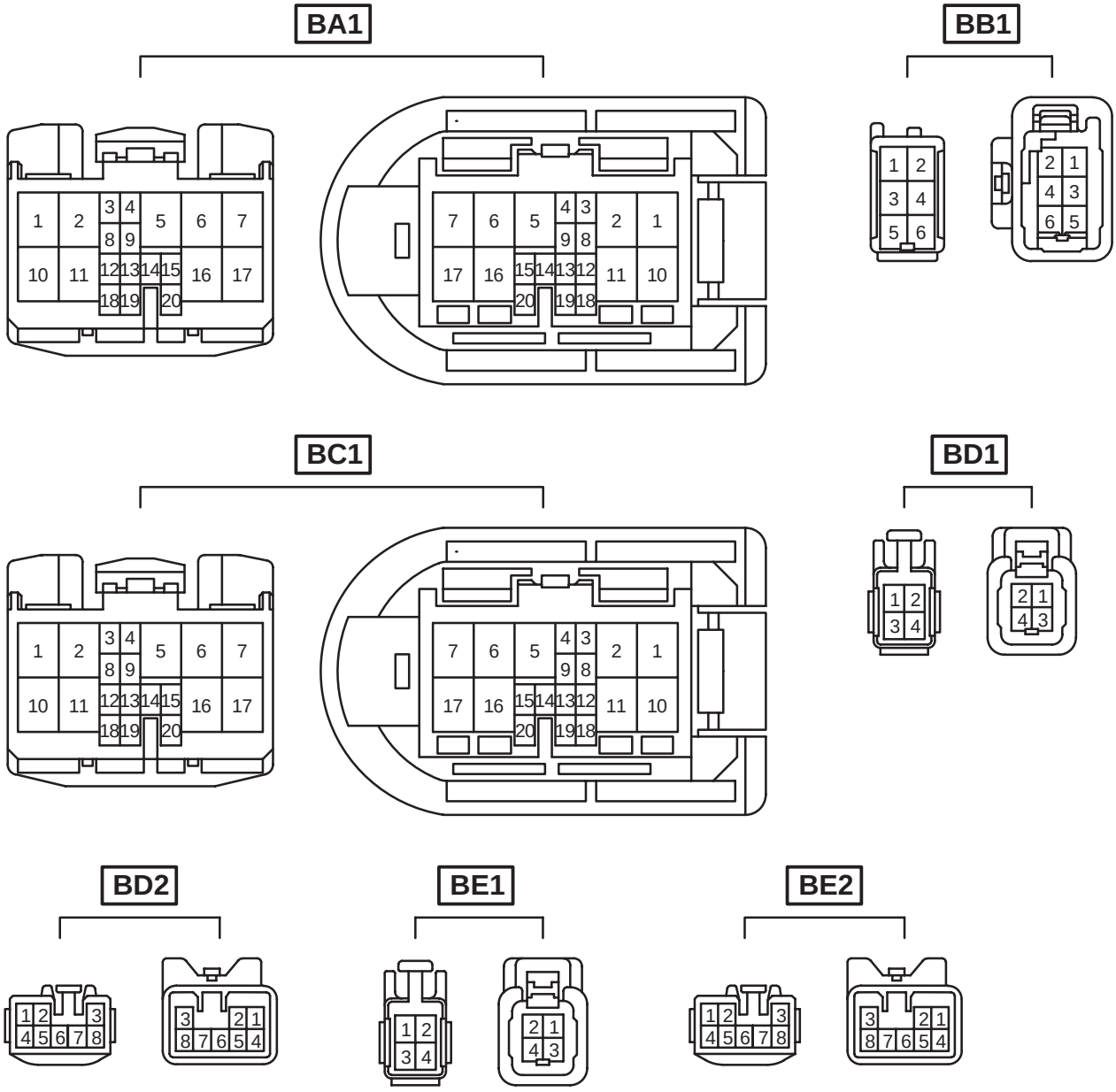
Code	Joining Wire Harness and Wire Harness (Connector Location)
BA1	Rear Door No.2 Wire and Floor Wire (Under the Left Center Pillar)
BB1	Roof Wire and Roof No.2 Wire (Near the Personal Light)
BC1	Rear Door No.1 Wire and Floor No.2 Wire (Under the Right Center Pillar)

▭ : Location of Connector Joining Wire Harness and Wire Harness
▽ : Location of Ground Points

[LHD : L/B]



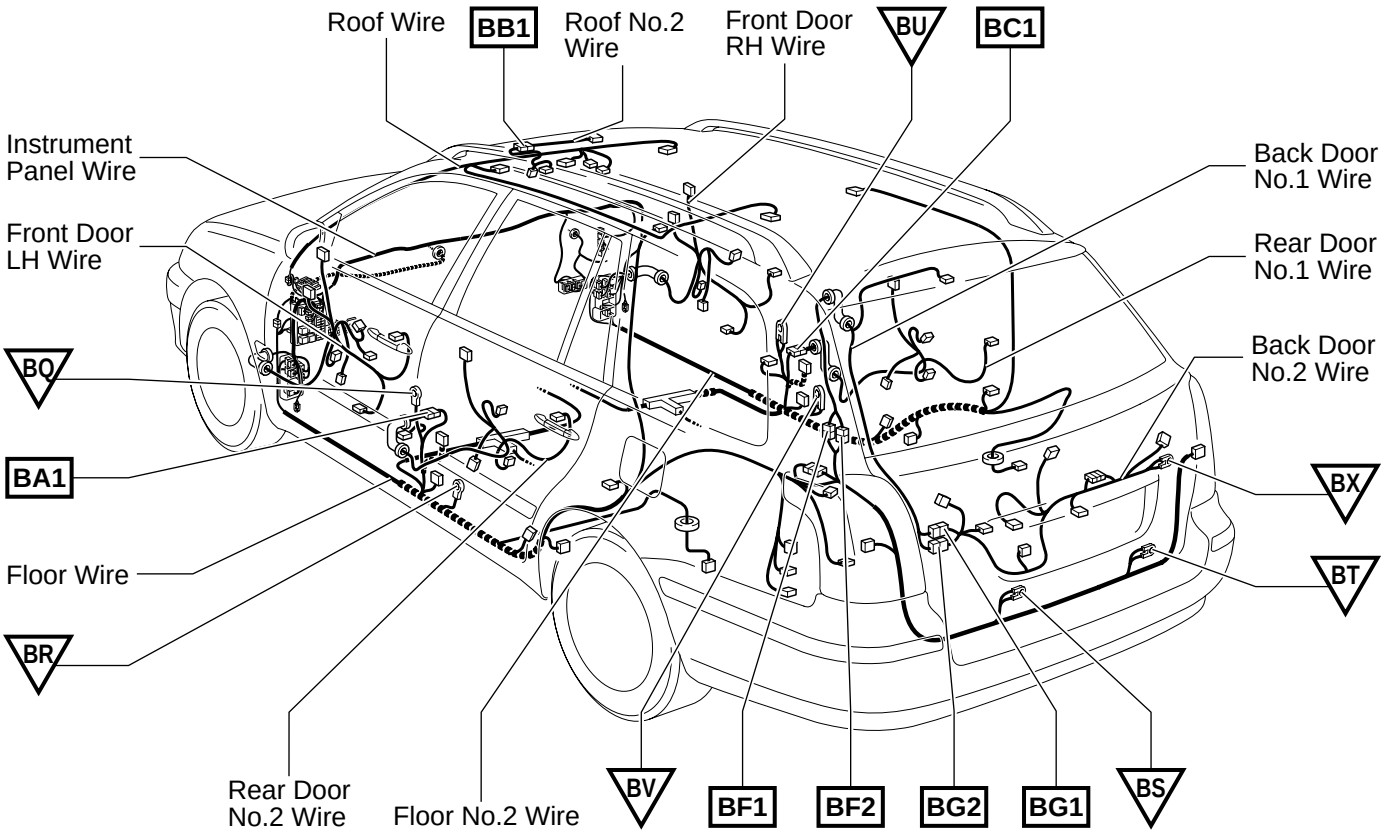
Connector Joining Wire Harness and Wire Harness



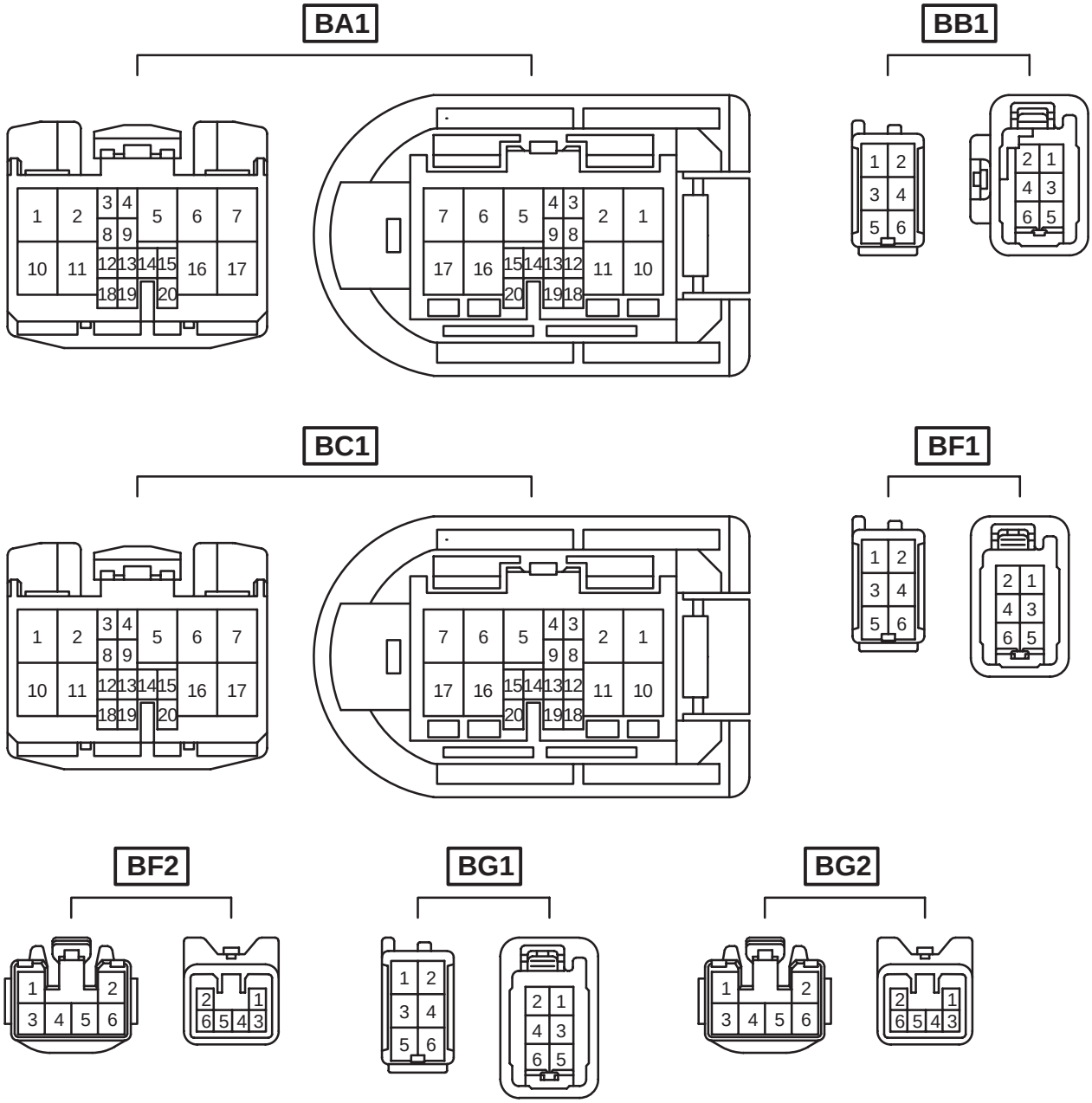
Code	Joining Wire Harness and Wire Harness (Connector Location)
BA1	Rear Door No.2 Wire and Floor Wire (Under the Left Center Pillar)
BB1	Roof Wire and Roof No.2 Wire (Near the Personal Light)
BC1	Rear Door No.1 Wire and Floor No.2 Wire (Under the Right Center Pillar)
BD1	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
BD2	
BE1	Back Door No.2 Wire and Back Door No.1 Wire (Back Door Upper Left)
BE2	

▭ : Location of Connector Joining Wire Harness and Wire Harness
▽ : Location of Ground Points

[LHD : W/G]

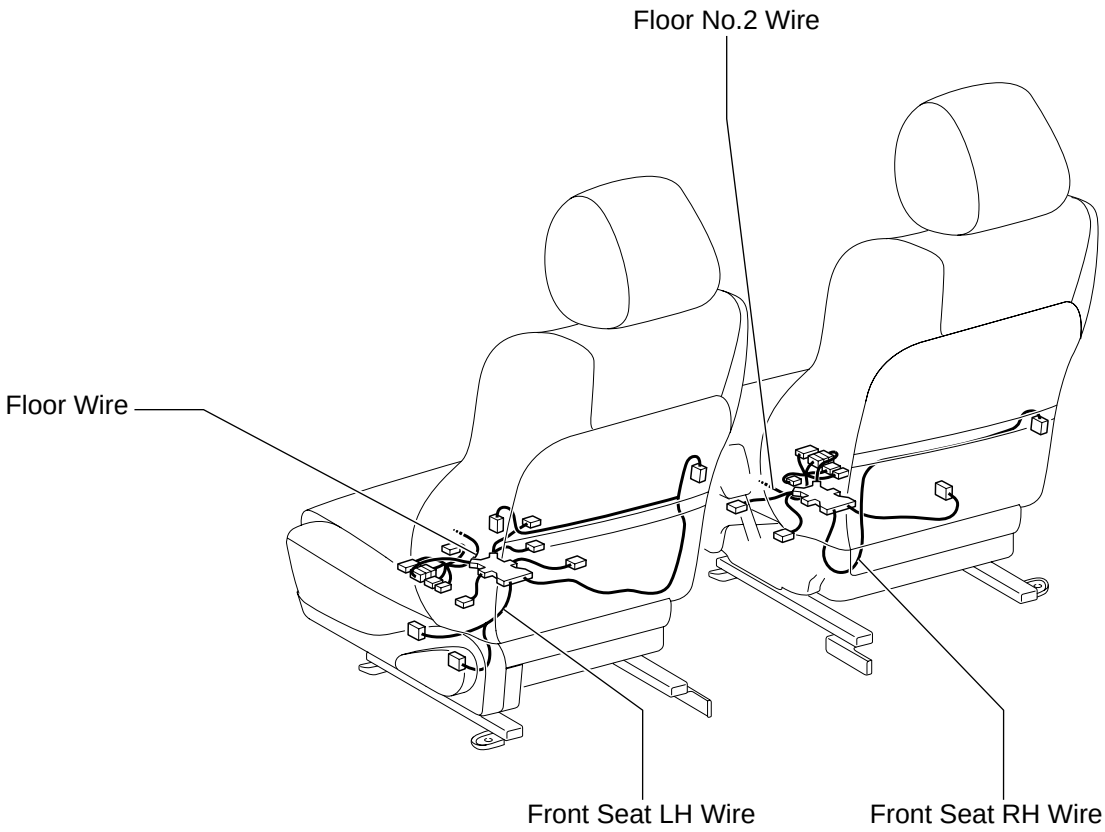


Connector Joining Wire Harness and Wire Harness



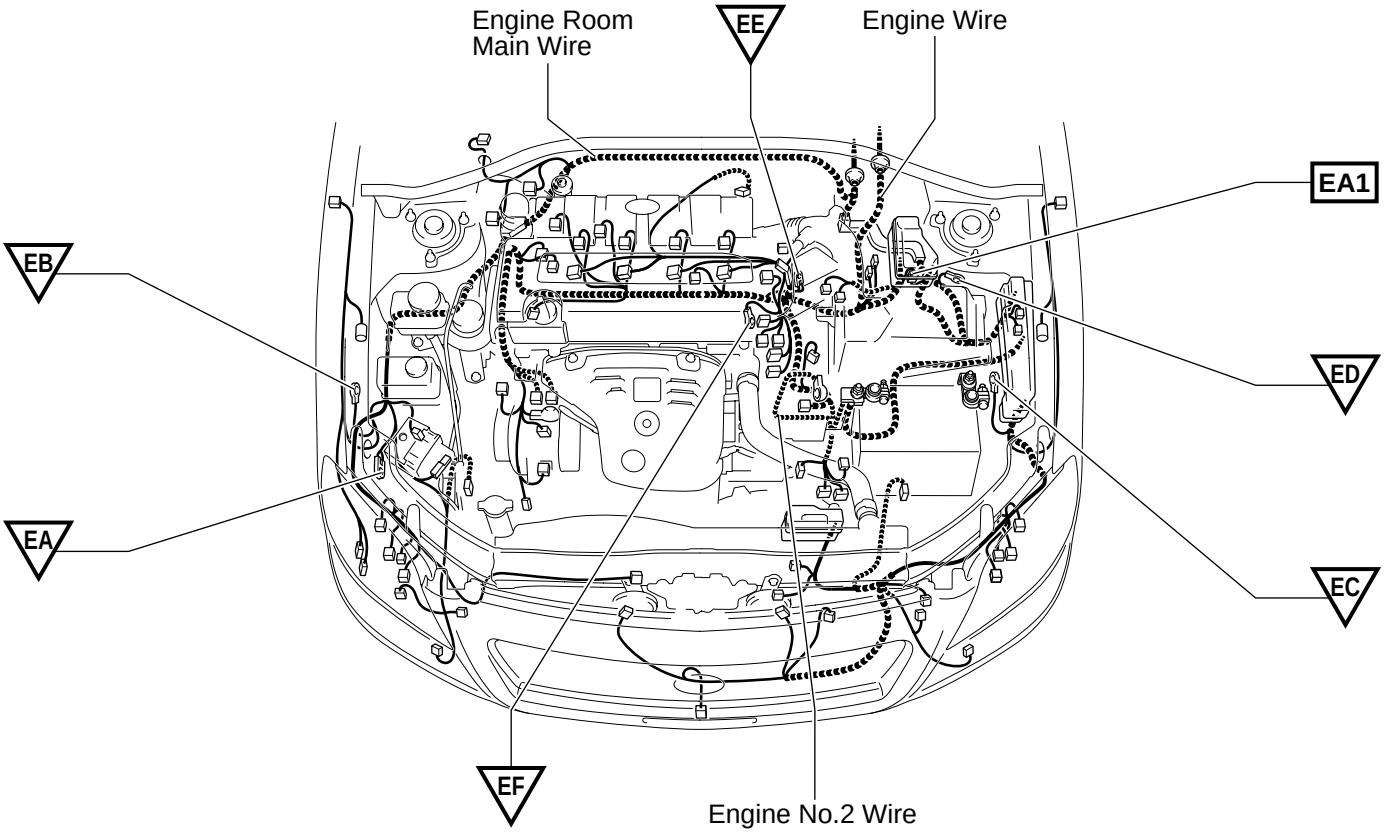
Code	Joining Wire Harness and Wire Harness (Connector Location)
BA1	Rear Door No.2 Wire and Floor Wire (Under the Left Center Pillar)
BB1	Roof Wire and Roof No.2 Wire (Near the Personal Light)
BC1	Rear Door No.1 Wire and Floor No.2 Wire (Under the Right Center Pillar)
BF1	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
BF2	
BG1	Back Door No.1 Wire and Back Door No.2 Wire (Back Door Left)
BG2	

[LHD]

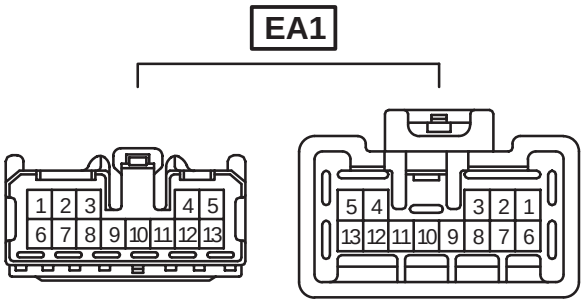

Floor No.2 Wire
Floor Wire
Front Seat LH Wire
Front Seat RH Wire

▭ : Location of Connector Joining Wire Harness and Wire Harness
▽ : Location of Ground Points

[RHD : 2AZ–FSE, 1AZ–FSE]



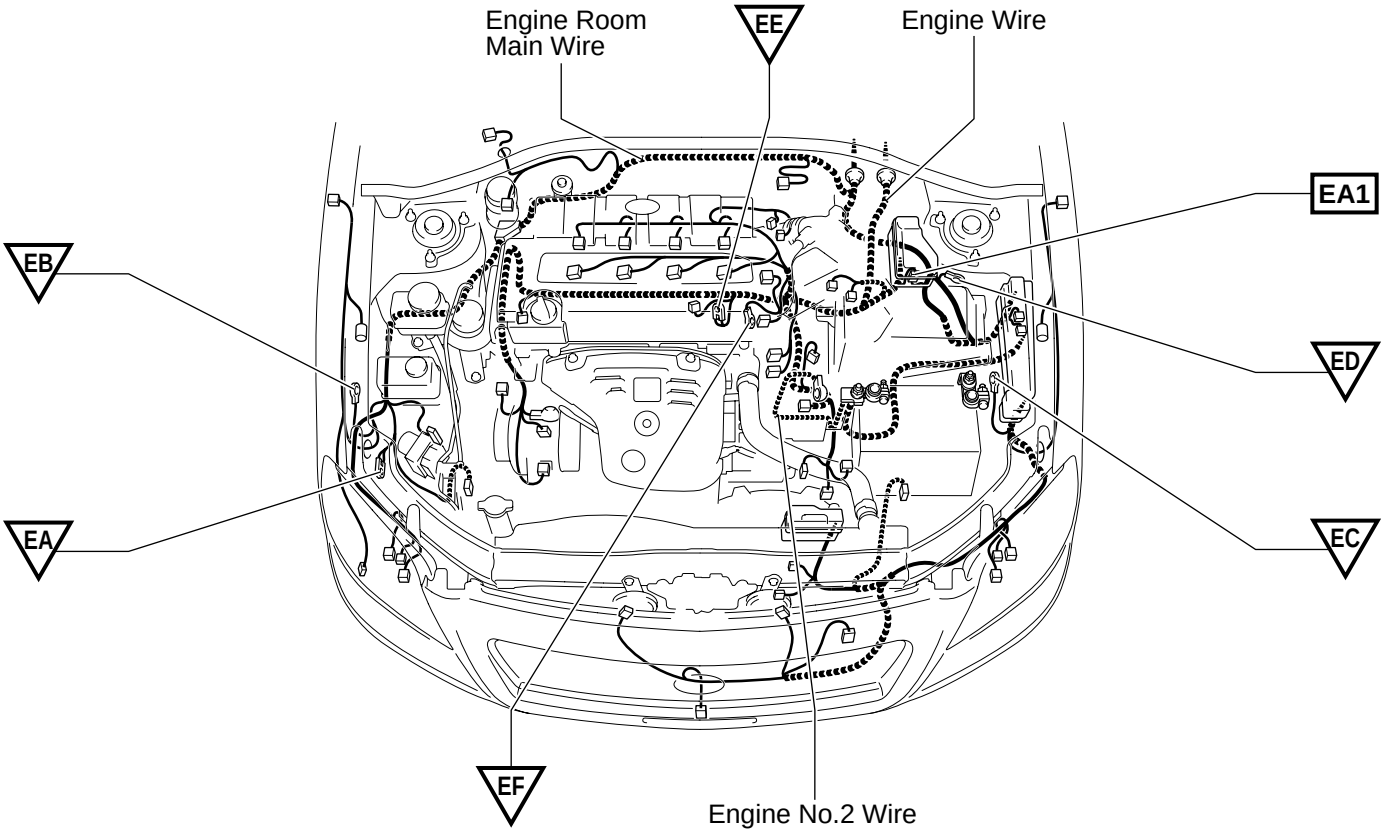
Connector Joining Wire Harness and Wire Harness



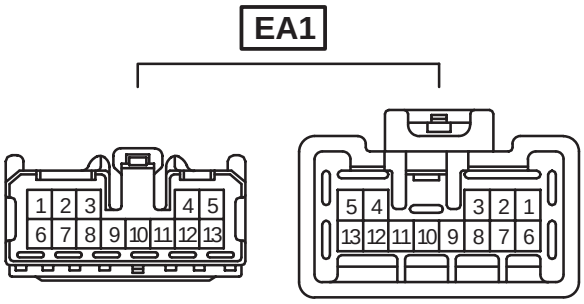
Code	Joining Wire Harness and Wire Harness (Connector Location)
EA1	Engine Wire and Engine Room Main Wire (Left Side of the Suspension Tower)

▭ : Location of Connector Joining Wire Harness and Wire Harness
▽ : Location of Ground Points

[RHD : 1AZ–FE]



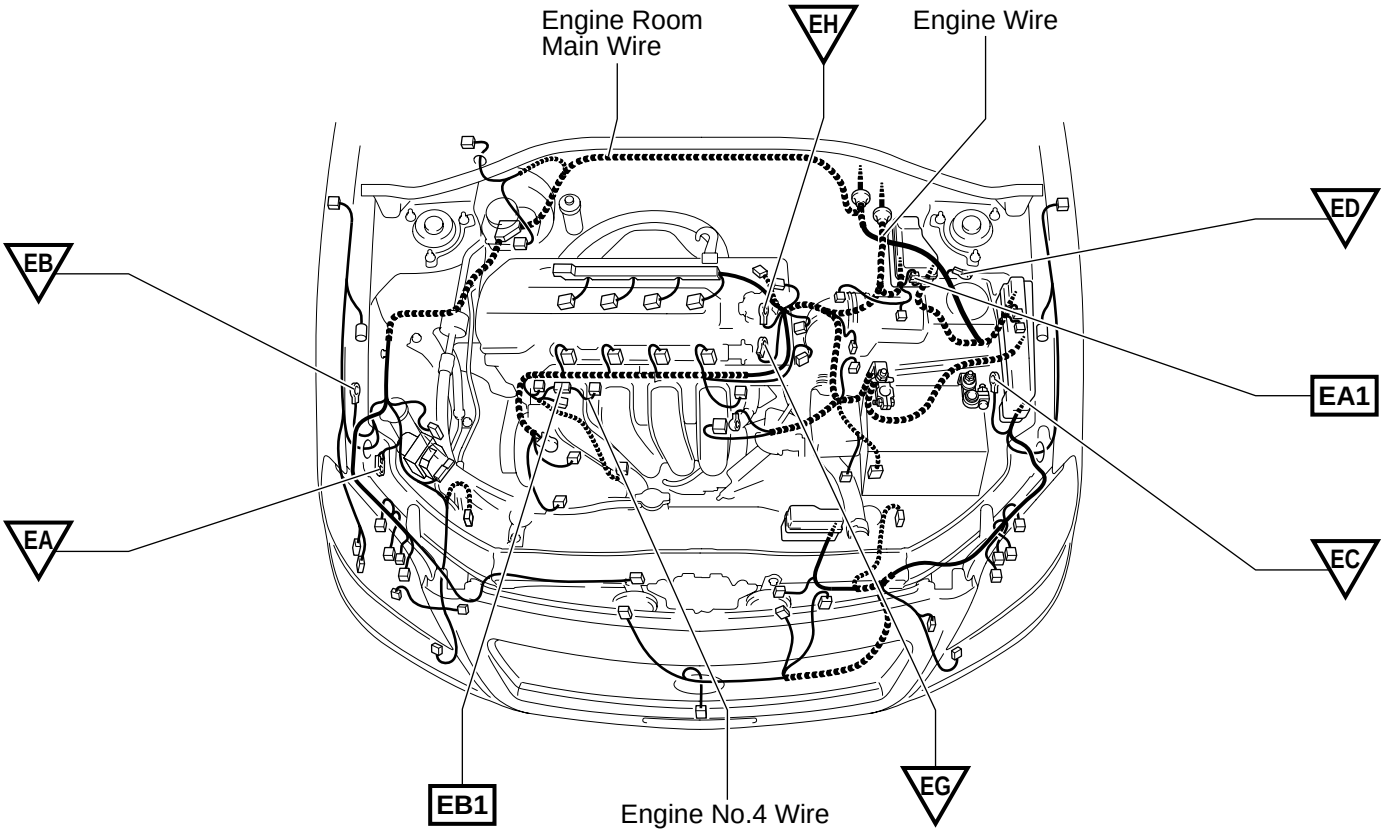
Connector Joining Wire Harness and Wire Harness



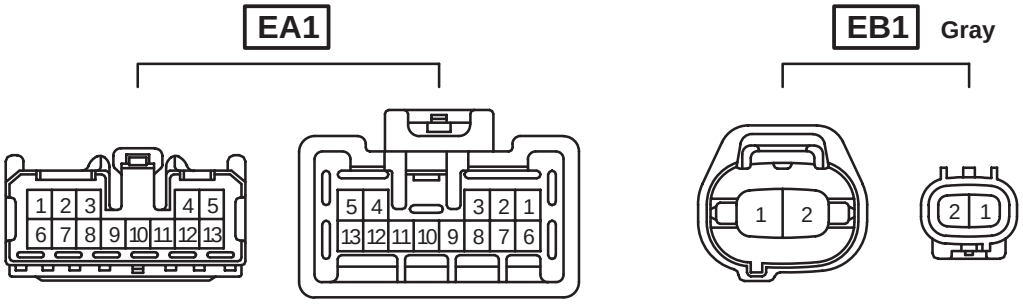
Code	Joining Wire Harness and Wire Harness (Connector Location)
EA1	Engine Wire and Engine Room Main Wire (Left Side of the Suspension Tower)

▭ : Location of Connector Joining Wire Harness and Wire Harness
▽ : Location of Ground Points

[RHD : 1ZZ–FE, 3ZZ–FE]



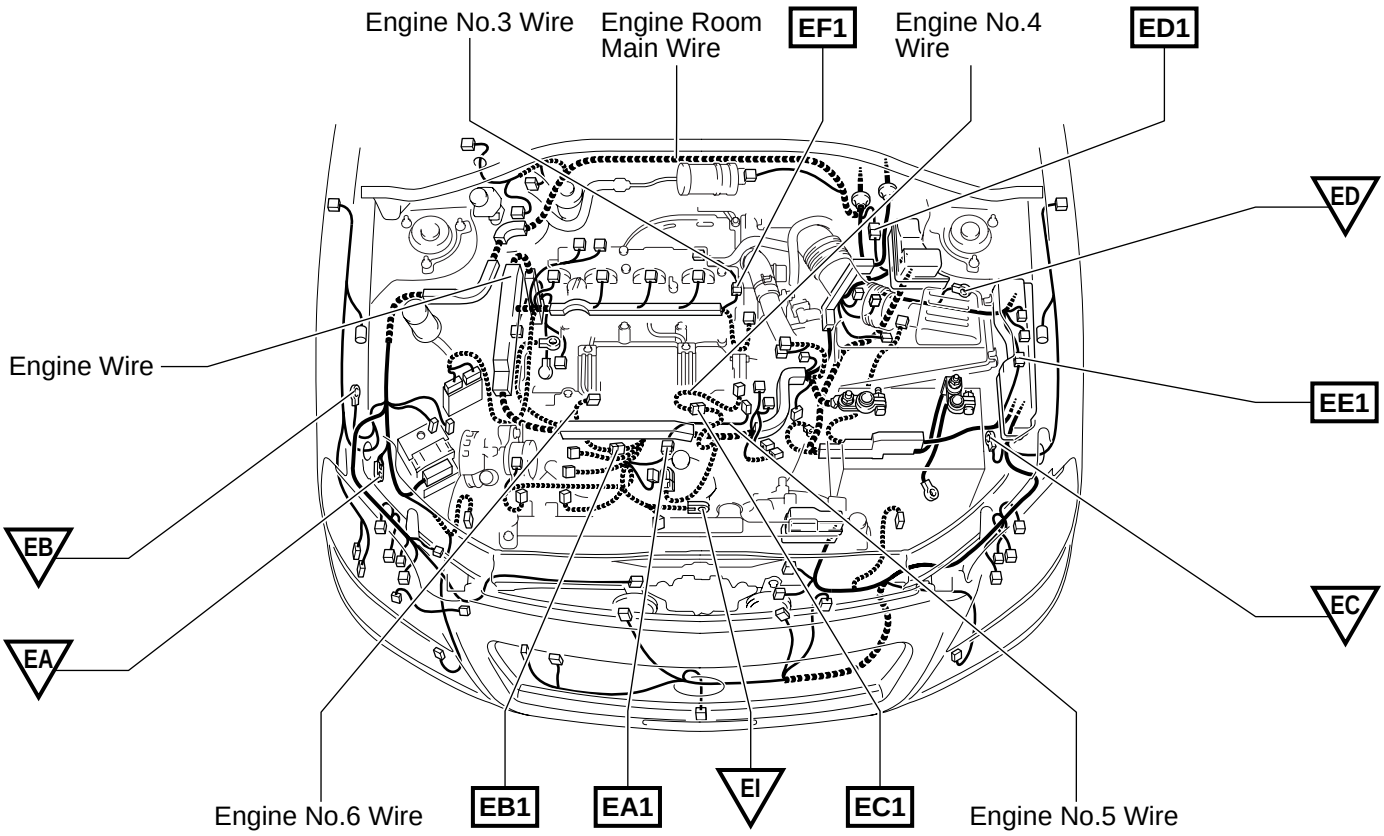
Connector Joining Wire Harness and Wire Harness



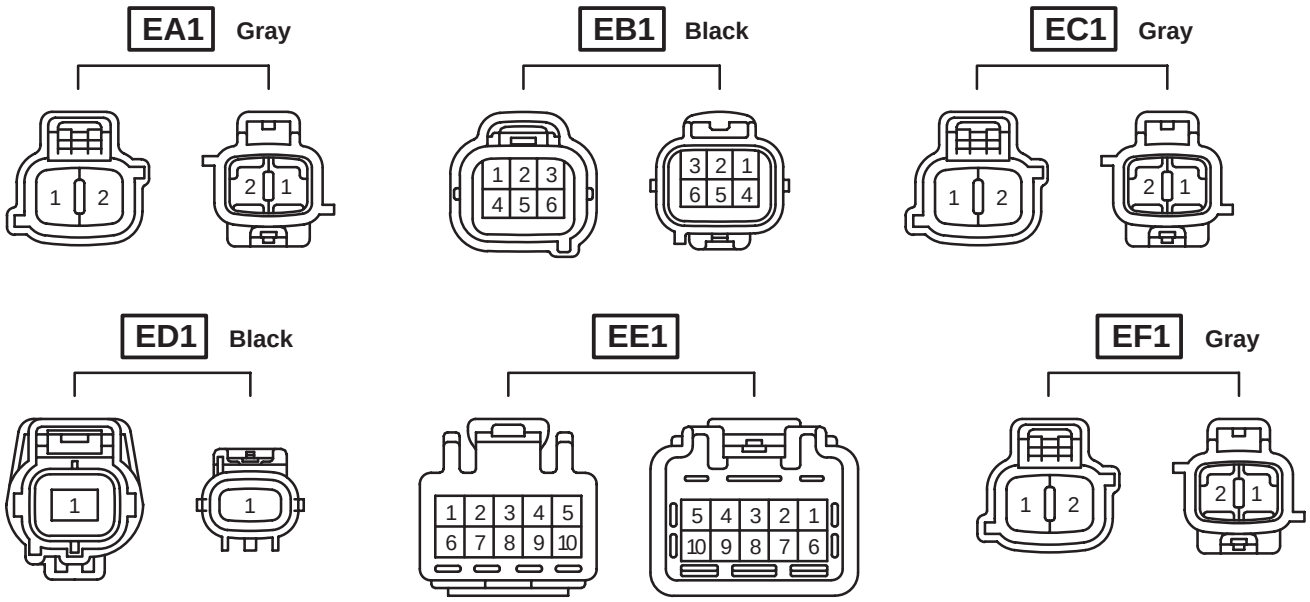
Code	Joining Wire Harness and Wire Harness (Connector Location)
EA1	Engine Wire and Engine Room Main Wire (Left Side of the Suspension Tower)
EB1	Engine Wire and Engine No.4 Wire (Near the Alternator)

▭ : Location of Connector Joining Wire Harness and Wire Harness
▽ : Location of Ground Points

[RHD : 1CD–FTV]



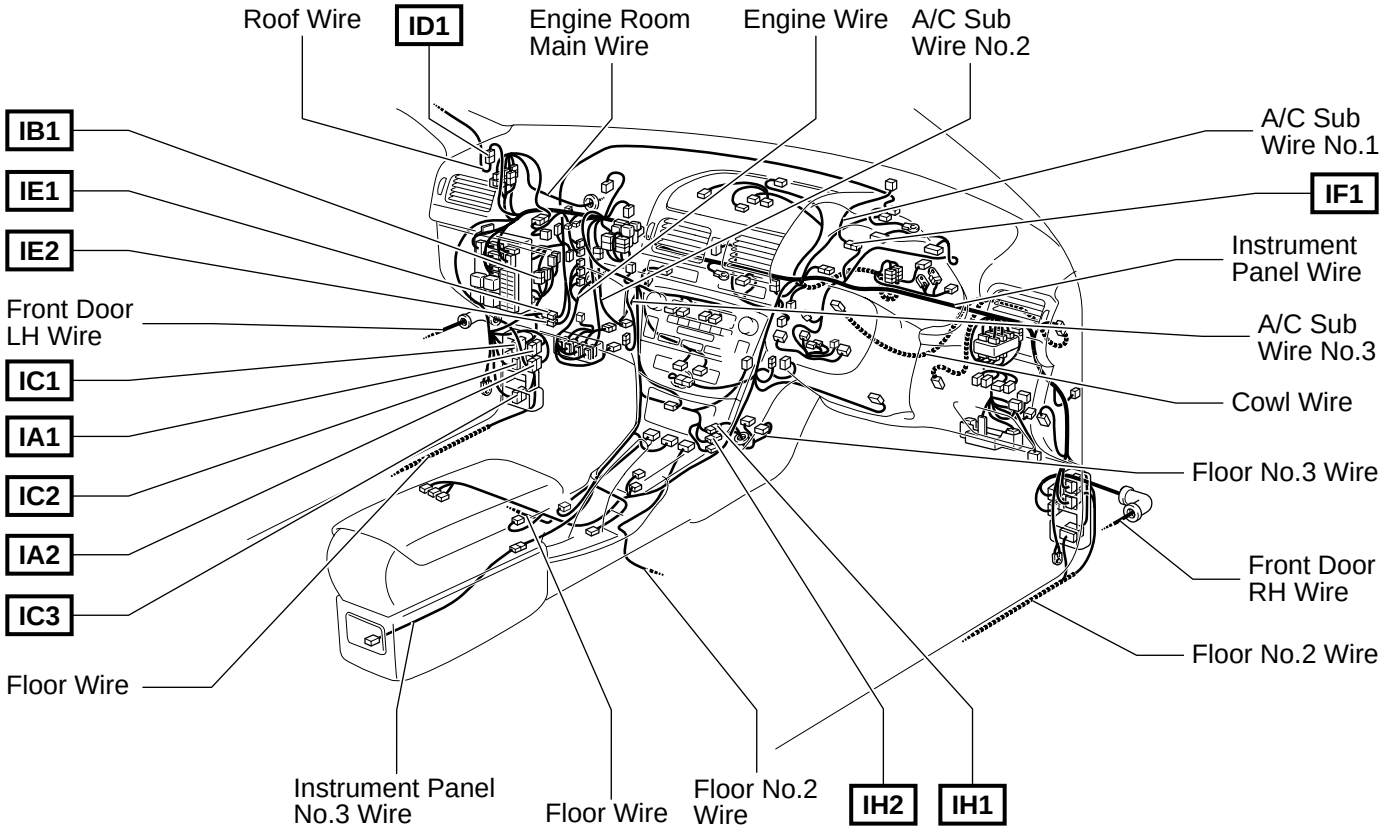
Connector Joining Wire Harness and Wire Harness



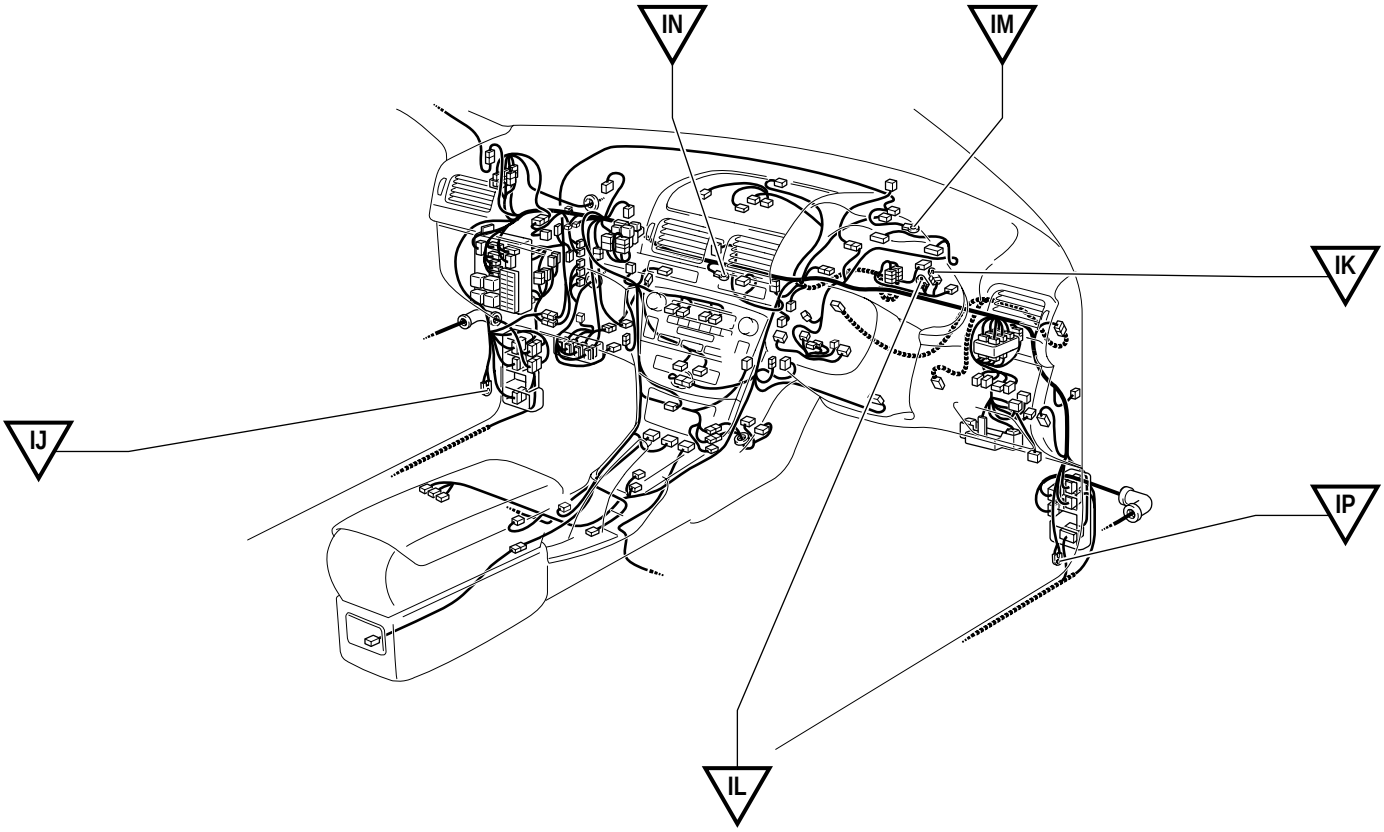
Code	Joining Wire Harness and Wire Harness (Connector Location)
EA1	Engine Wire and Engine No.5 Wire (Near the Starter)
EB1	Engine Wire and Engine No.6 Wire (Near the Starter)
EC1	Engine Wire and Engine No.4 Wire (Near the Starter)
ED1	Engine Wire and Engine Room Main Wire (Left Side of the Suspension Tower)
EE1	Engine Wire and Engine Room Main Wire (Engine Compartment Left)
EF1	Engine Wire and Engine No.3 Wire (Left Side of Cylinder Head)

▭ : Location of Connector Joining Wire Harness and Wire Harness

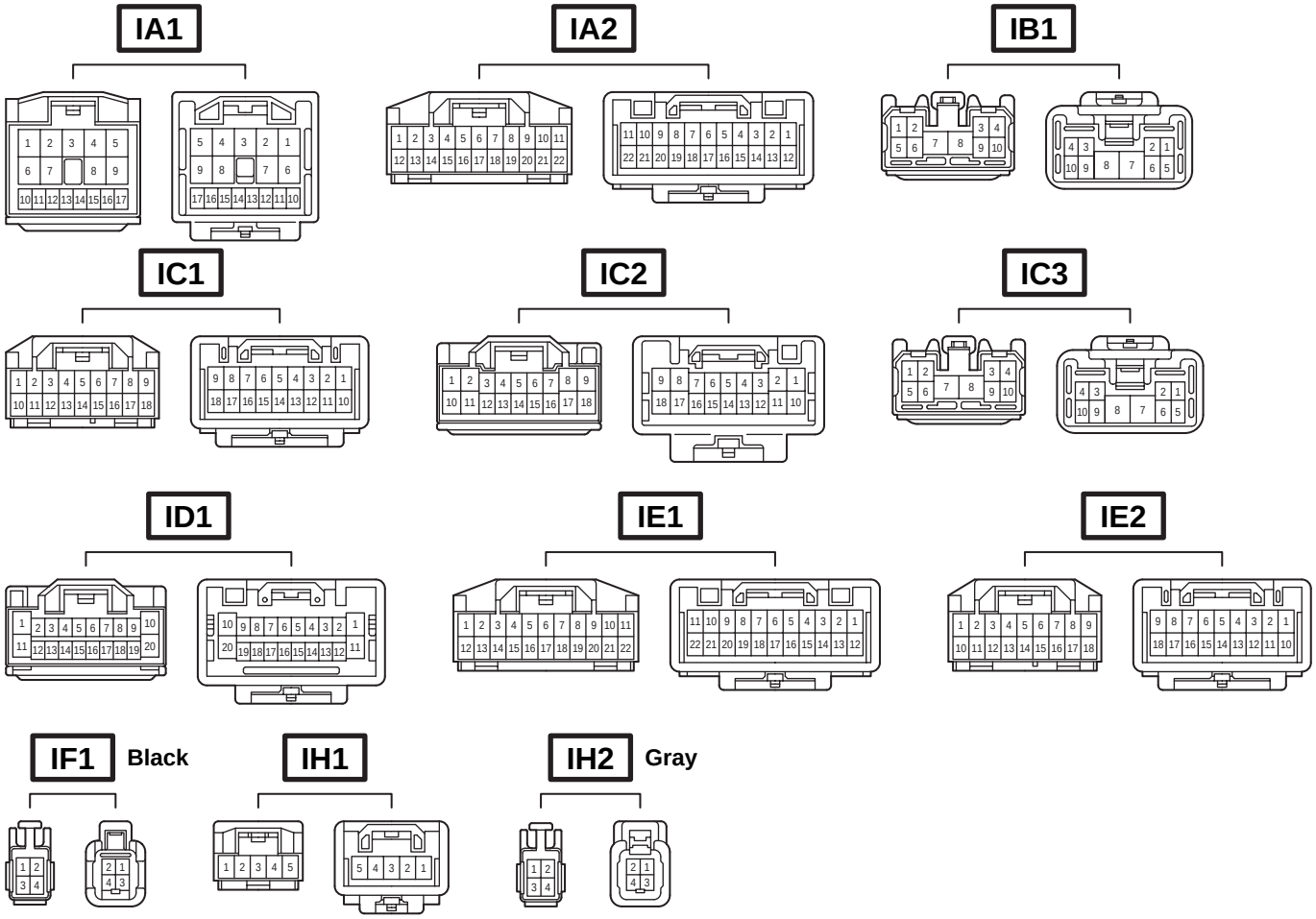
[RHD]



▽ : Location of Ground Points



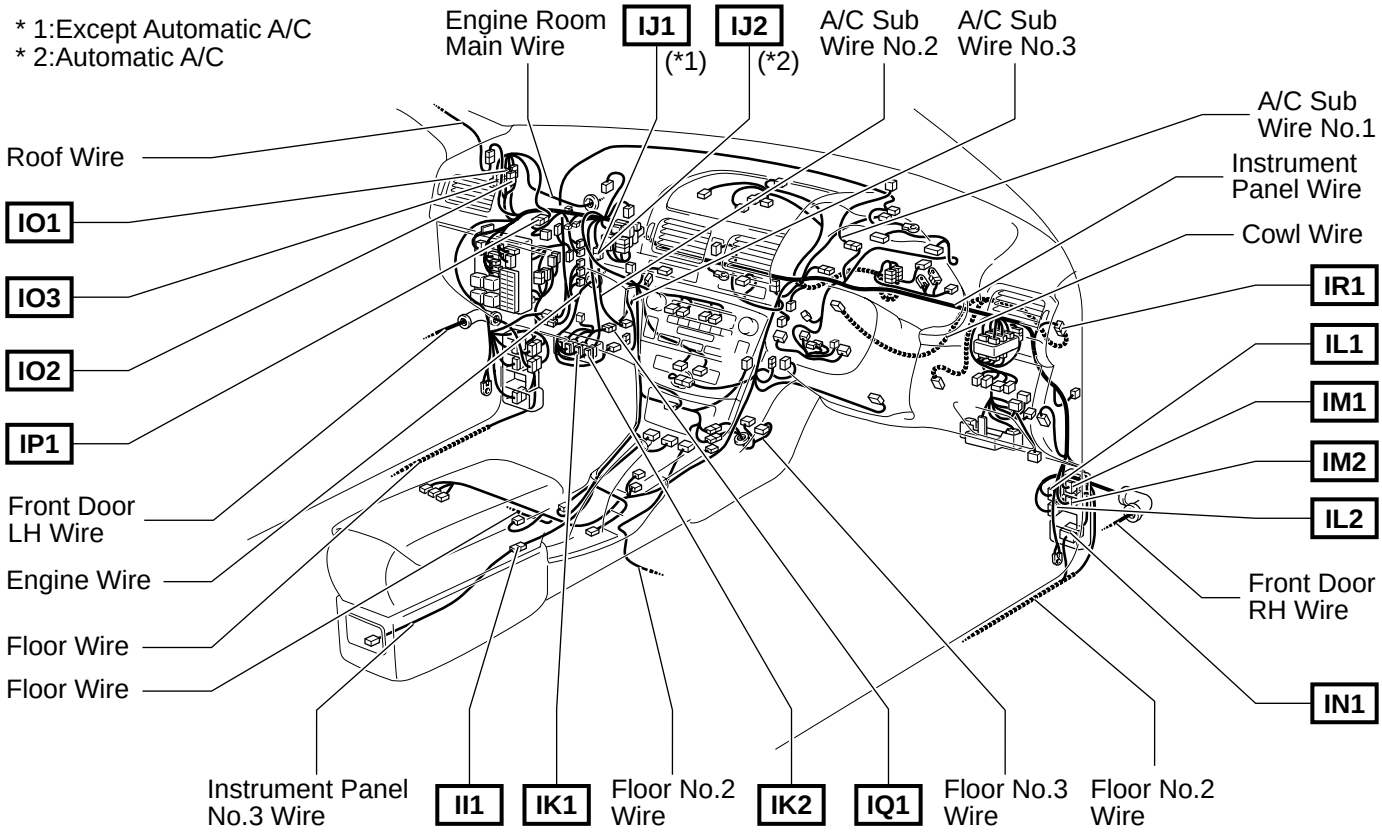
Connector Joining Wire Harness and Wire Harness



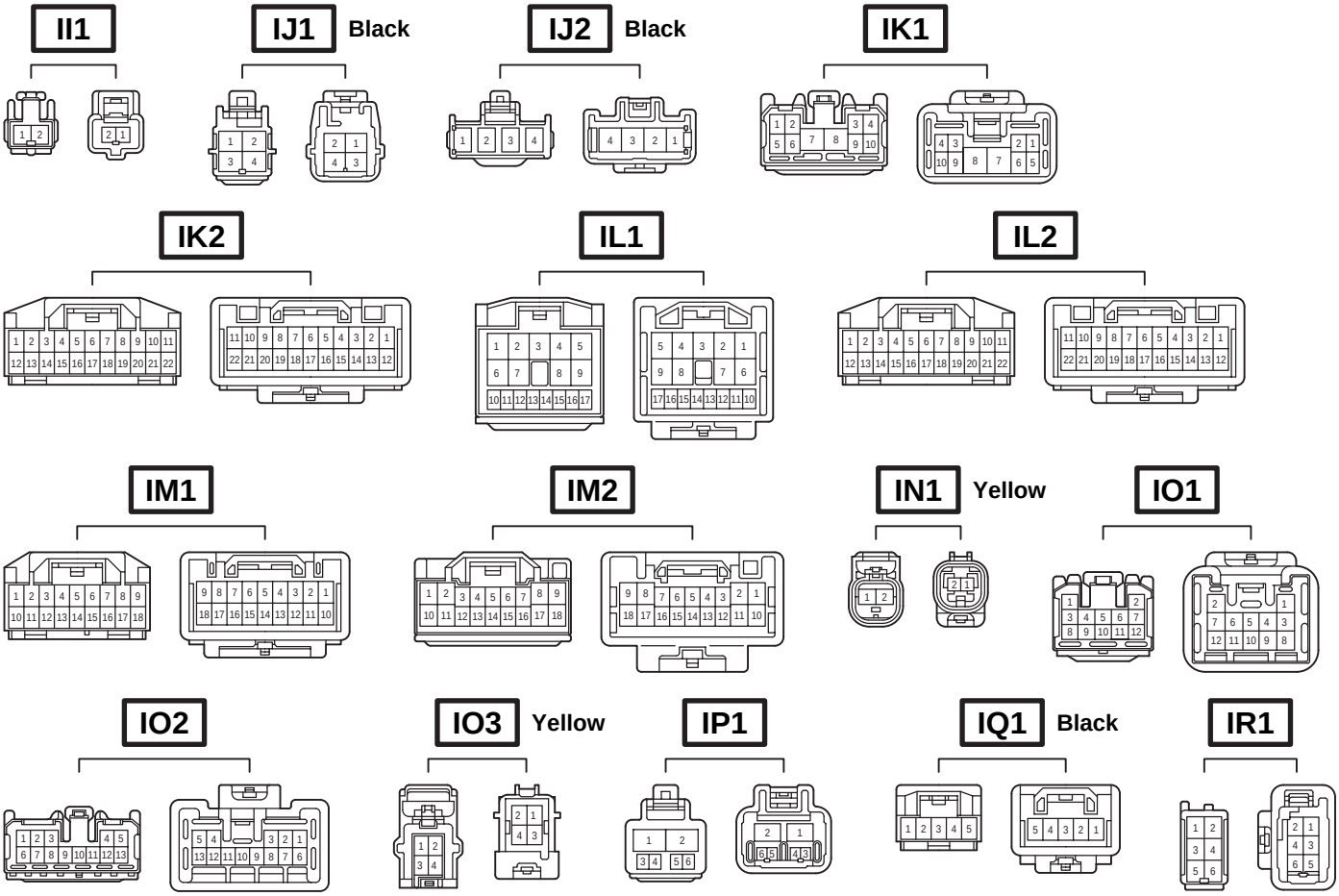
Code	Joining Wire Harness and Wire Harness (Connector Location)
IA1	Front Door LH Wire and Instrument Panel Wire (Left Kick Panel)
IA2	
IB1	Engine Room Main Wire and Floor Wire (Near the Driver Side J/B)
IC1	Instrument Panel Wire and Floor Wire (Left Kick Panel)
IC2	
IC3	
ID1	Instrument Panel Wire and Roof Wire (Left Side of the Instrument Panel)
IE1	Engine Room Main Wire and Instrument Panel Wire (Behind the Glove Box)
IE2	
IF1	Instrument Panel Wire and A/C Sub Wire No.1 (Right Side of the Combination Meter)
IH1	Floor No.3 Wire and Instrument Panel Wire (Instrument Panel Brace RH)
IH2	

▭ : Location of Connector Joining Wire Harness and Wire Harness

[RHD]



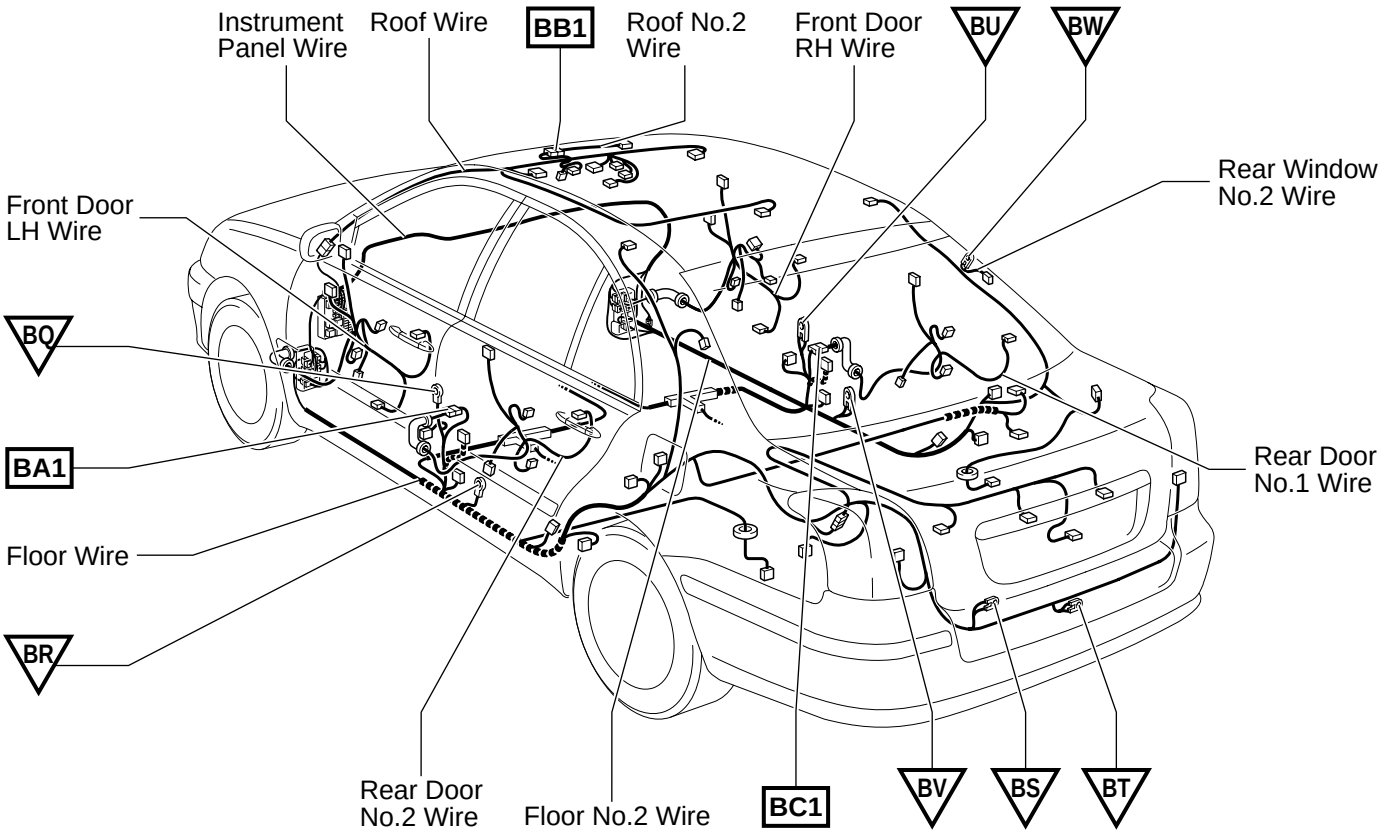
Connector Joining Wire Harness and Wire Harness



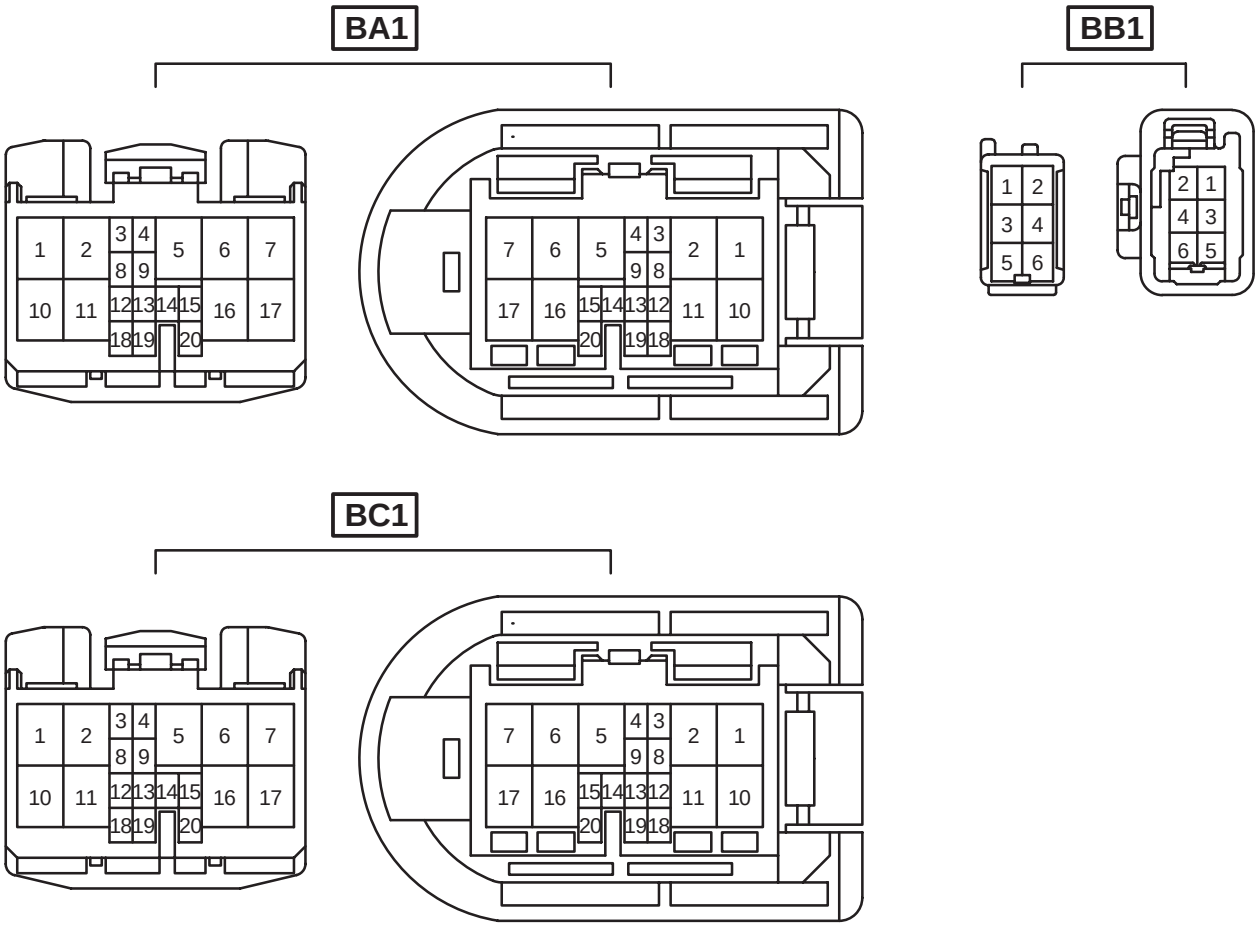
Code	Joining Wire Harness and Wire Harness (Connector Location)
II1	Instrument Panel Wire and Instrument Panel No.3 Wire (Under the Console Box)
IJ1	Instrument Panel Wire and A/C Sub Wire No.2 (Right Side of the A/C Unit)
IJ2	
IK1	Engine Wire and Instrument Panel Wire (Behind the Glove Box)
IK2	
IL1	Front Door RH Wire and Instrument Panel Wire (Right Kick Panel)
IL2	
IM1	Instrument Panel Wire and Floor No.2 Wire (Right Kick Panel)
IM2	
IN1	Floor No.2 Wire and Instrument Panel Wire (Right Kick Panel)
IO1	Engine Room Main Wire and Instrument Panel Wire (Left Side of the Instrument Panel)
IO2	
IO3	
IP1	Engine Room Main Wire and Instrument Panel Wire (Instrument Panel Reinforcement LH)
IQ1	Instrument Panel Wire and A/C Sub Wire No.3 (Behind the Glove Box)
IR1	Instrument Panel Wire and Cowl Wire (Right Side of the Instrument Panel)

▭ : Location of Connector Joining Wire Harness and Wire Harness
▽ : Location of Ground Points

[RHD : S/D]



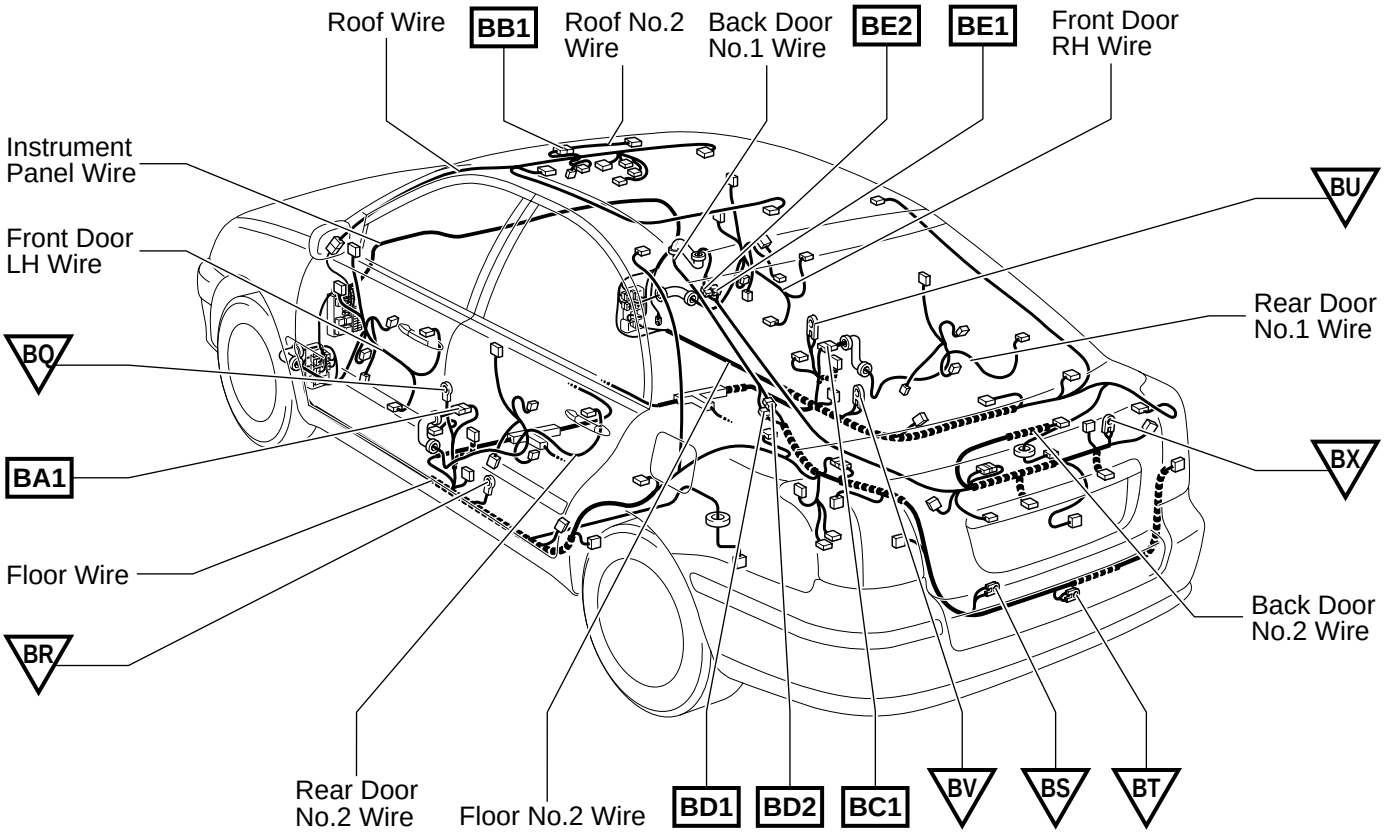
Connector Joining Wire Harness and Wire Harness



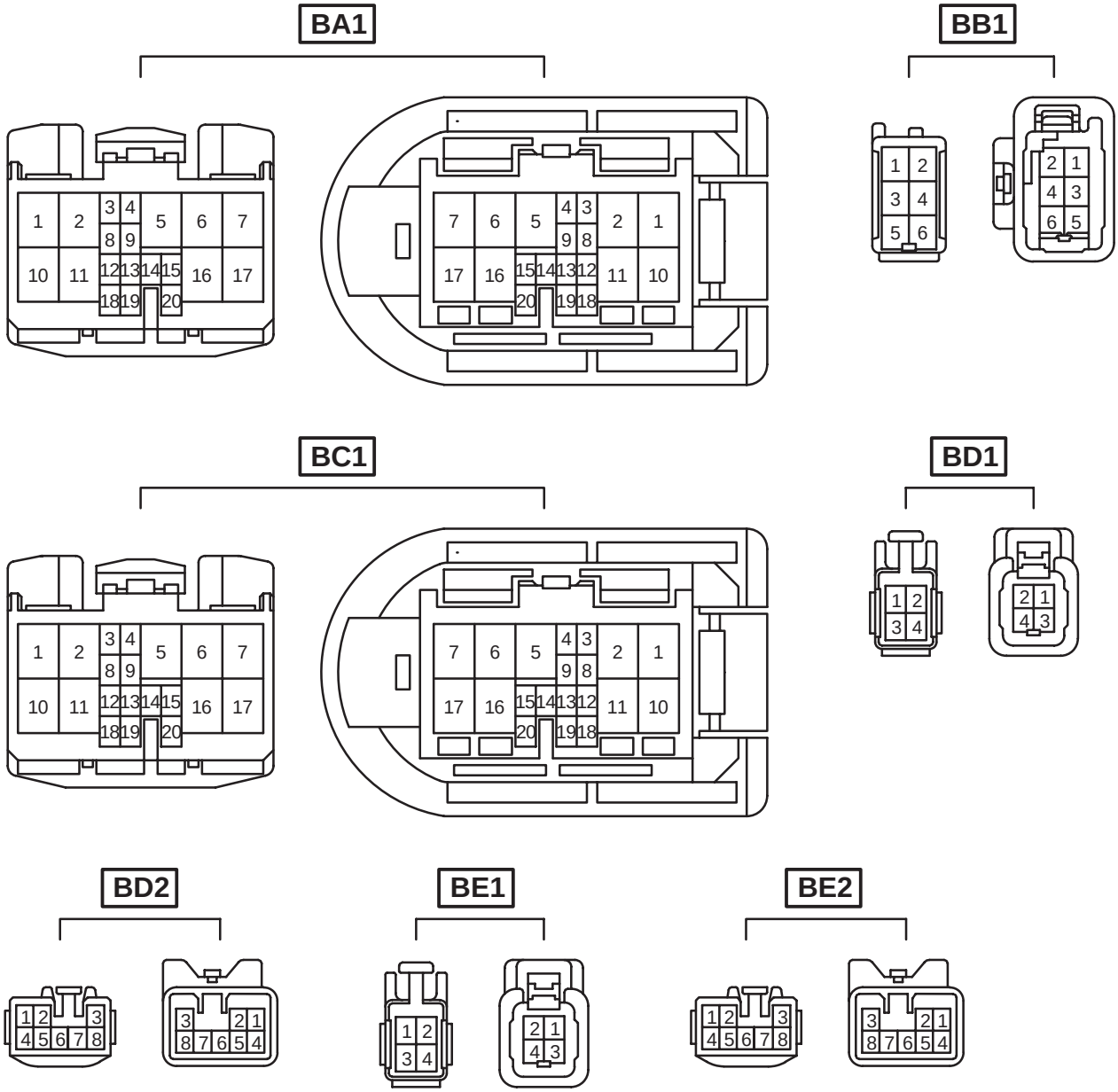
Code	Joining Wire Harness and Wire Harness (Connector Location)
BA1	Rear Door No.2 Wire and Floor Wire (Under the Left Center Pillar)
BB1	Roof Wire and Roof No.2 Wire (Near the Personal Light)
BC1	Rear Door No.1 Wire and Floor No.2 Wire (Under the Right Center Pillar)

▭ : Location of Connector Joining Wire Harness and Wire Harness
▽ : Location of Ground Points

[RHD : L/B]



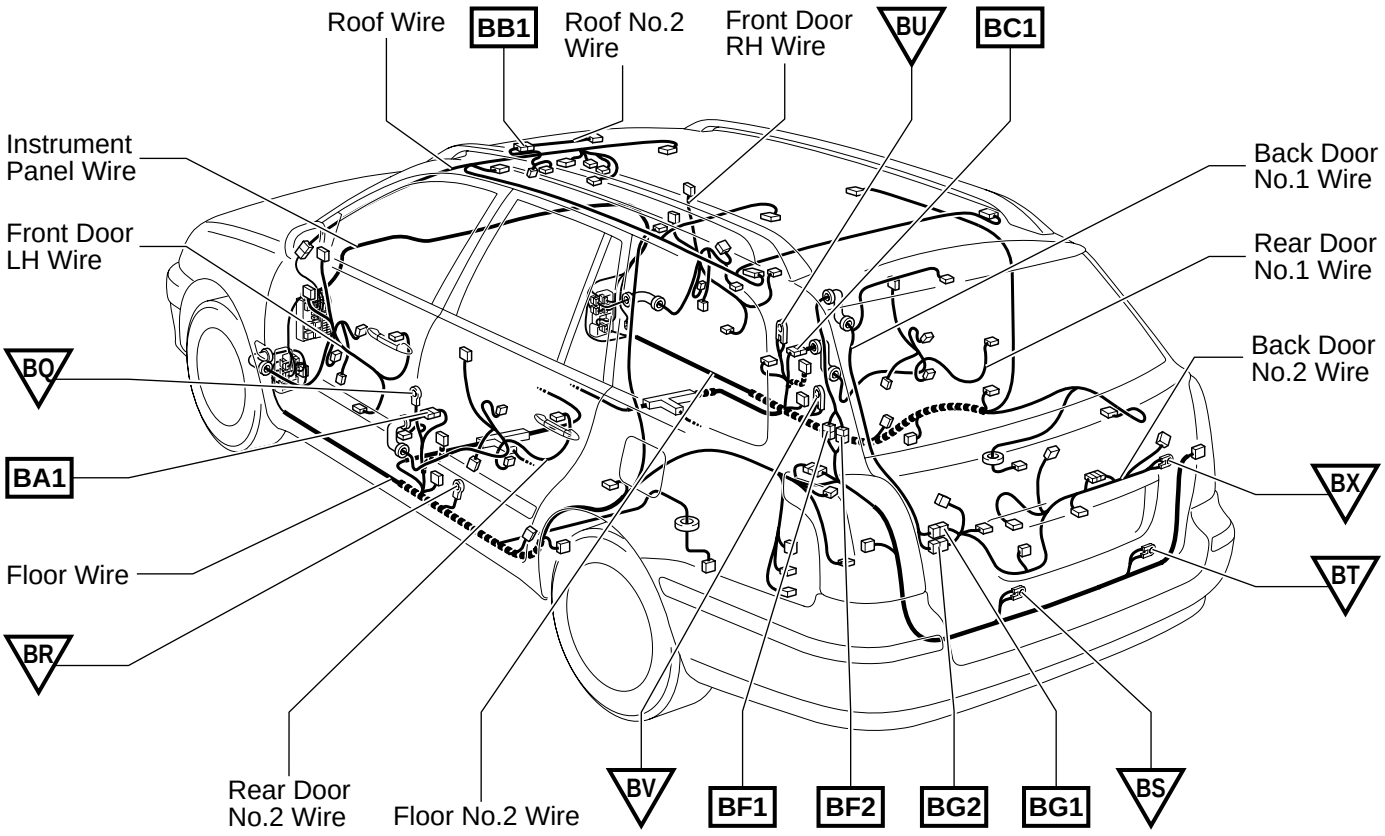
Connector Joining Wire Harness and Wire Harness



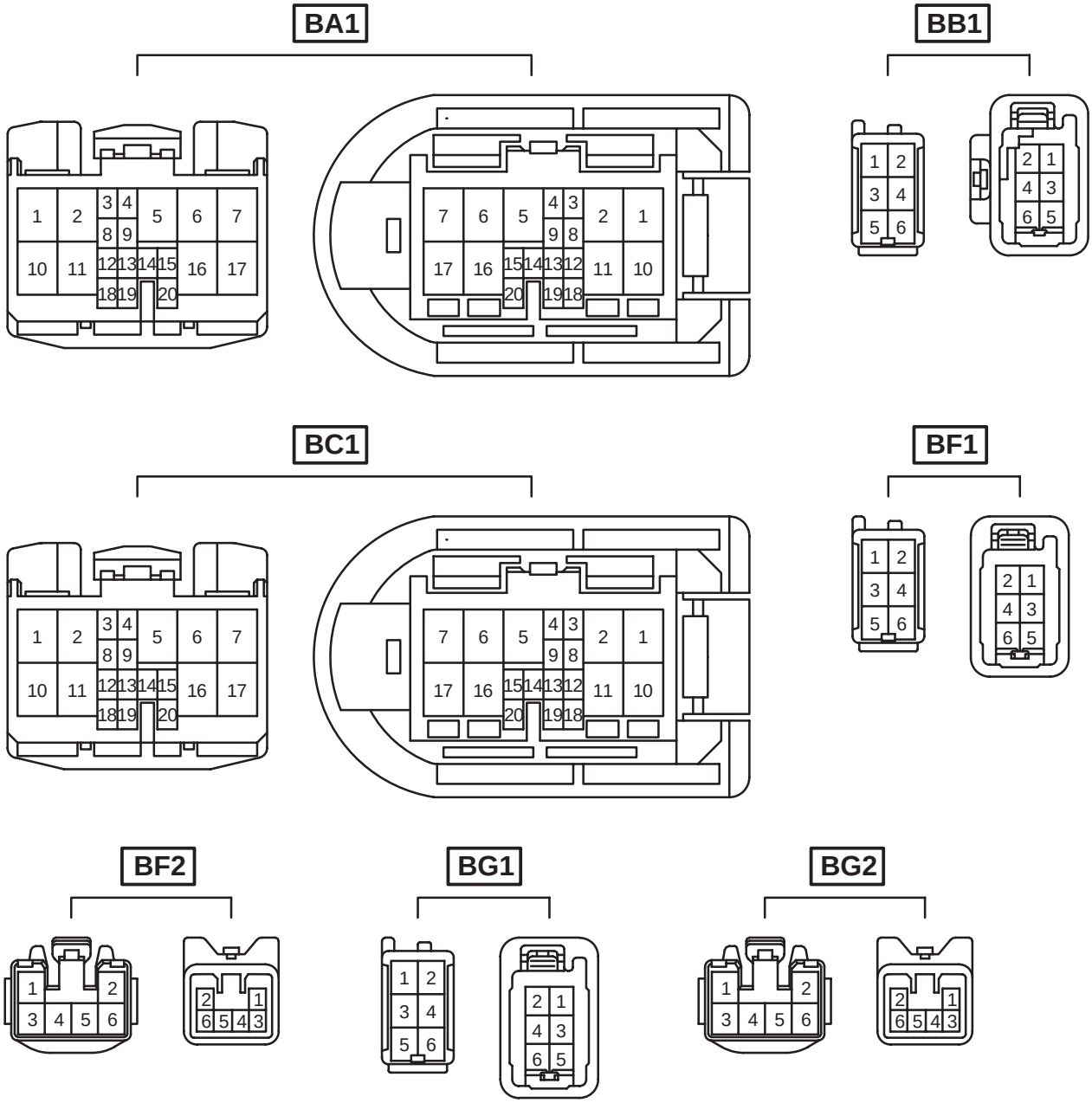
Code	Joining Wire Harness and Wire Harness (Connector Location)
BA1	Rear Door No.2 Wire and Floor Wire (Under the Left Center Pillar)
BB1	Roof Wire and Roof No.2 Wire (Near the Personal Light)
BC1	Rear Door No.1 Wire and Floor No.2 Wire (Under the Right Center Pillar)
BD1	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
BD2	
BE1	Back Door No.2 Wire and Back Door No.1 Wire (Back Door Upper Left)
BE2	

▭ : Location of Connector Joining Wire Harness and Wire Harness
▽ : Location of Ground Points

[RHD : W/G]

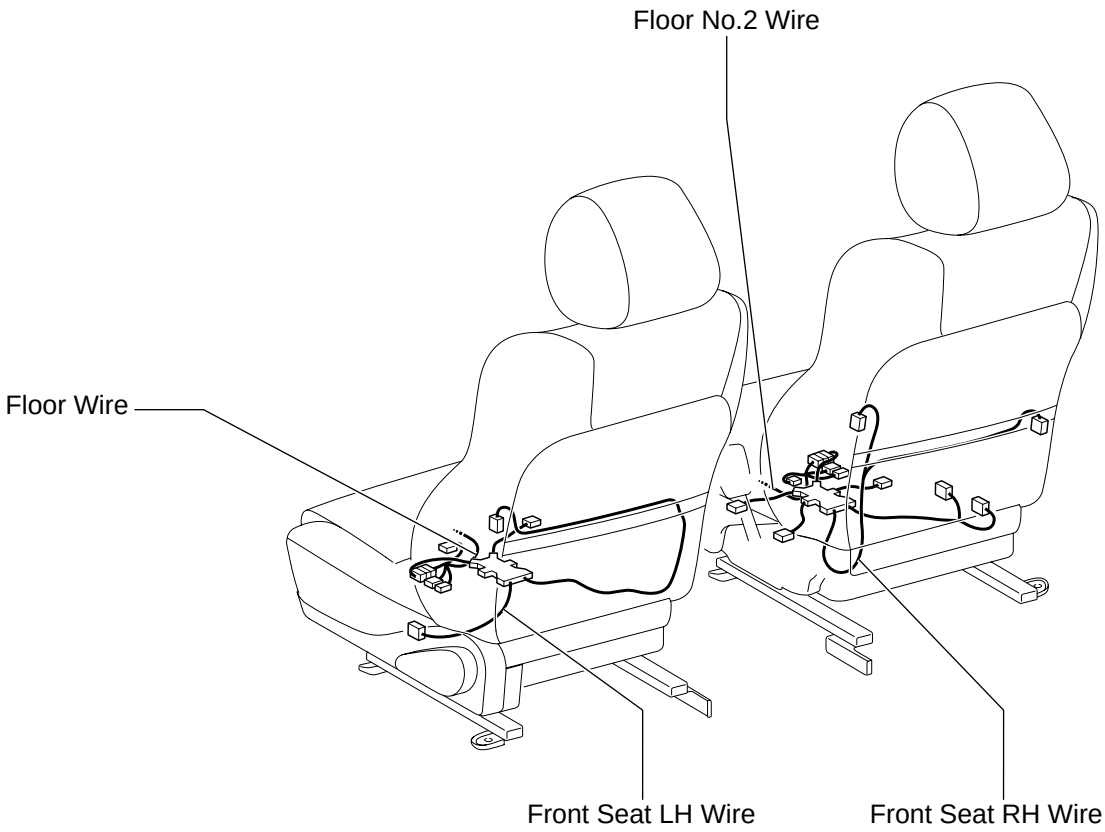


Connector Joining Wire Harness and Wire Harness



Code	Joining Wire Harness and Wire Harness (Connector Location)
BA1	Rear Door No.2 Wire and Floor Wire (Under the Left Center Pillar)
BB1	Roof Wire and Roof No.2 Wire (Near the Personal Light)
BC1	Rear Door No.1 Wire and Floor No.2 Wire (Under the Right Center Pillar)
BF1	Back Door No.1 Wire and Floor Wire (Under the Left Quarter Pillar)
BF2	
BG1	Back Door No.1 Wire and Back Door No.2 Wire (Back Door Left)
BG2	

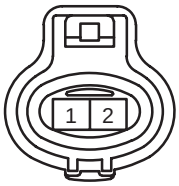
[RHD]


Floor No.2 Wire
Floor Wire
Front Seat LH Wire
Front Seat RH Wire

F CONNECTOR LIST

A 1
Gray

A 2
Black

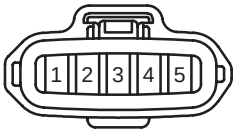


A 3
Black

A 4

A 5

A 6
Black



A 7
Gray

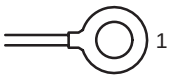
A 8
Gray

A 9
Yellow

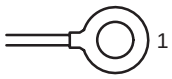
A10
Yellow

A11
Black

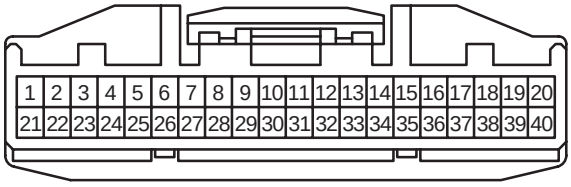
A12
(Except 1CD–FTV)



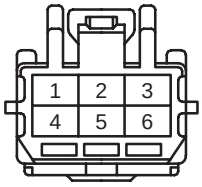
A12
(1CD–FTV)



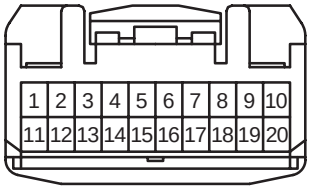
A13



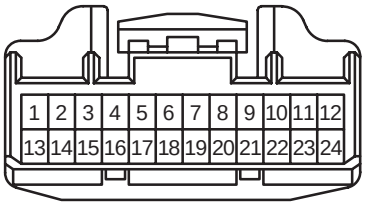
A14



A15



A16



A17
Black

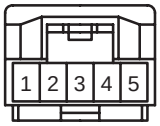
A18
Black

A19

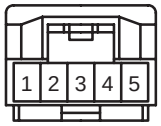
A20
Black

A21
Black

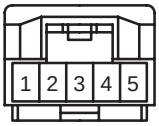
A22
Black



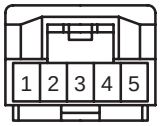
A23
Black



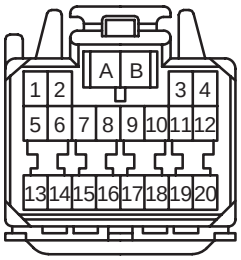
A24
Black



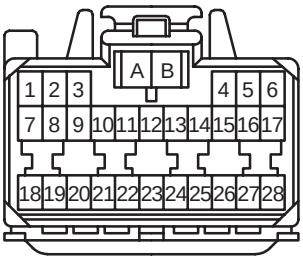
A25
Black



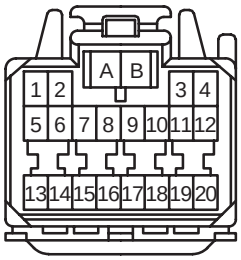
A26
Yellow



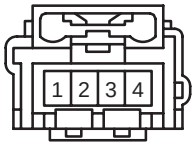
A27
Yellow



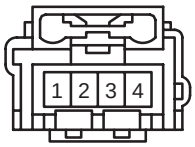
A28
Yellow



A29
Yellow



A30
Yellow



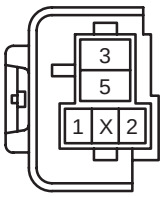
A31

A32

A33

A34
Gray

A35

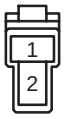


B 1
Gray

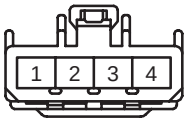
B 2
Black

B 3
Black

B 4

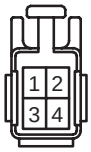


B 5
Black

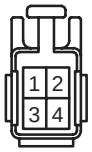


B 6
Black

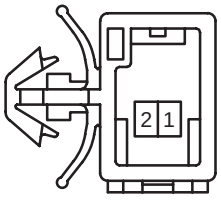
B 7
(L/B)



B 7
(W/G) Blue

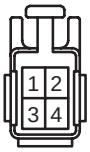


B 8



B 9
Gray

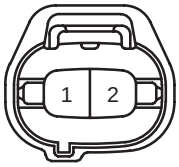
B10



C 1
Black

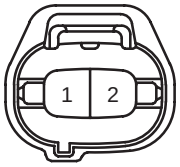
C 2
Black

C 3
Gray



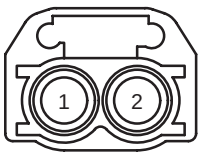
C 4

C 5
Black

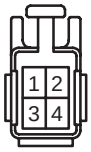


C 6
(Except 1CD–FTV) Gray

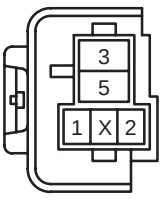
C 6
(1CD–FTV) Black



C 7
Black

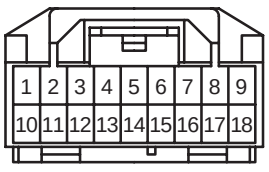


C 8



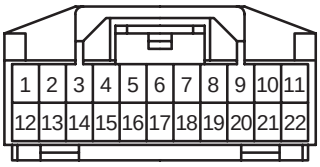
C 9

C10
Blue

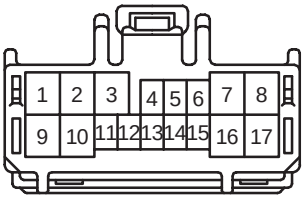


F CONNECTOR LIST

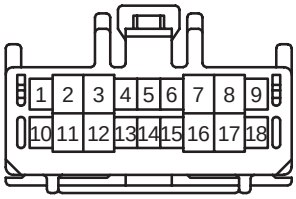
C11



C12

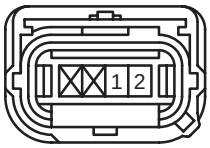


C13
Black

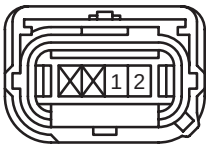


C14

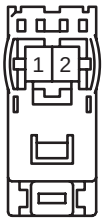
C15
Yellow



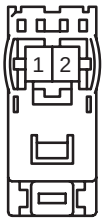
C16
Yellow



C17
Black

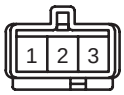


C18
Black



D 1
Black

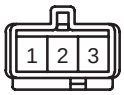
D 2



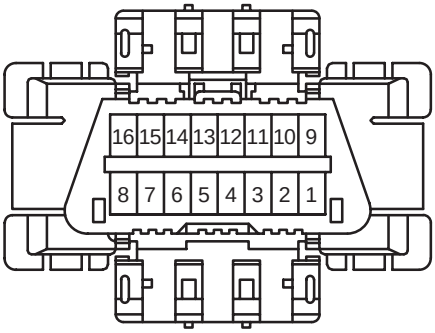
D 3
Black

D 4
(Except 1CD–FTV)

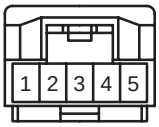
D 4
(1CD–FTV)



D 5



D 6



D 7

D 8

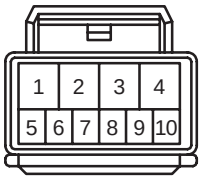
D 9

D10

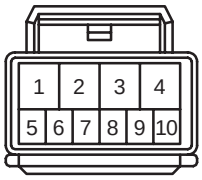
D11

D12

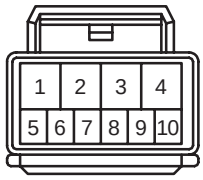
D13



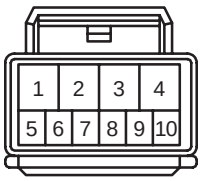
D14



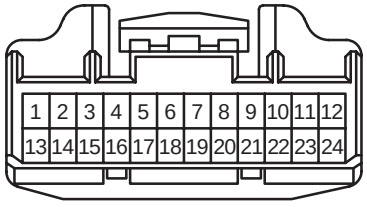
D15



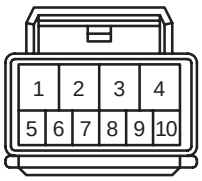
D16



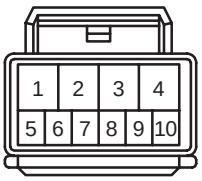
D17



D18

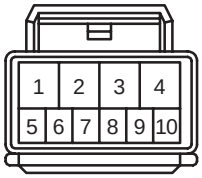


D19

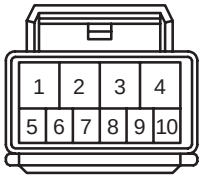


*1 : Except 1AZ–FE, 1CD–FTV
*2 : 2AZ–FSE, 1AZ–FSE

D20

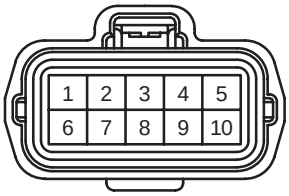


D21

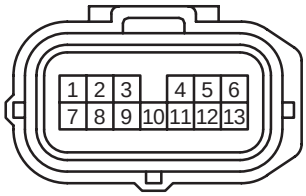


D22
Black

E 1
(Except 2AZ–FSE) Gray



E 1
(2AZ–FSE) Gray



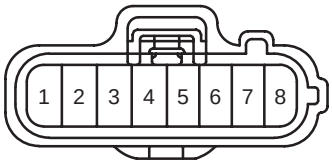
E 2
(*1) Gray

E 2
(1AZ–FE) Gray

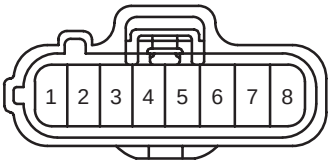
E 2
(1CD–FTV) Gray

E 3
Black

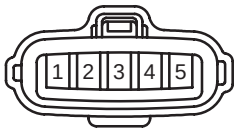
E 4
Black



E 5
(1CD–FTV) Dark Gray



E 5
(*2) Black

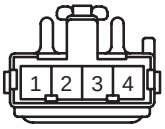


E 6
Black

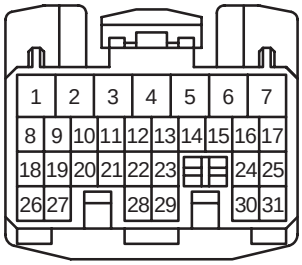
E 7
(1CD–FTV) Gray

E 7
(2AZ–FSE) Gray

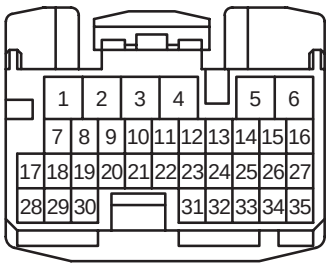
E 8
Black



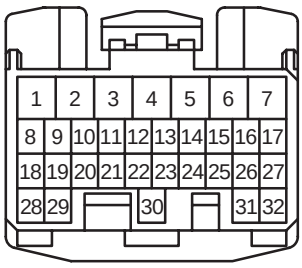
E 9



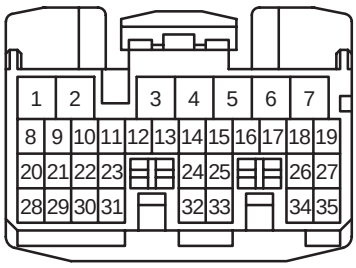
E10



E11



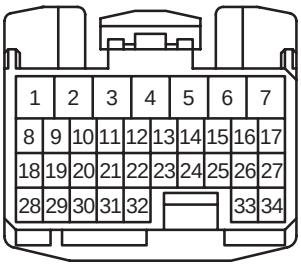
E12



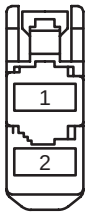
F CONNECTOR LIST

*2 : 2AZ–FSE, 1AZ–FSE

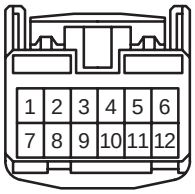
E13



E14
Gray



E15



E16
Gray

E17
Brown

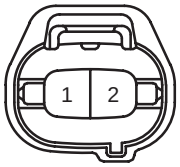
E18
Black

E19
Gray

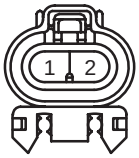
E20
Dark Gray

F 1
Black

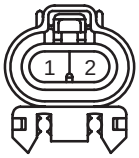
F 2
Black



F 3
Brown



F 4
Brown



F 5
Gray

F 6
Gray

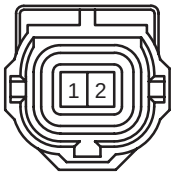
F 7

F 8

F 9

F10

F11
Black



F12
Black

F13
Gray

F14
Gray

F15
Gray

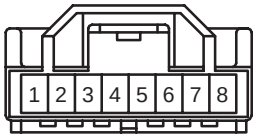
F16
(1CD–FTV) Black

F16
(*2) Gray

F17
Black

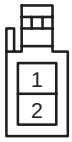
F18
Gray

F19

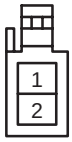


F20
Black

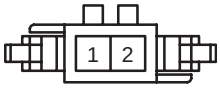
F21
Black



F22
Black

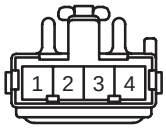


F23
Black



*2 : 2AZ–FSE, 1AZ–FSE

F24

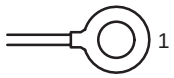


F25
Gray

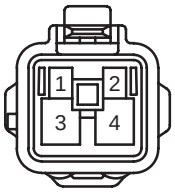
F26
Dark Gray

F27
Gray

G 1



G 2
Gray



G 3
Black

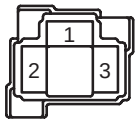
H 1
Gray

H 2
Gray

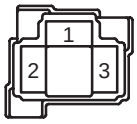
H 3
Black

H 4
Black

H 5



H 6



H 7
(1ZZ–FE, 3ZZ–FE) Gray

H 7
(*2) Gray

H 8
Black

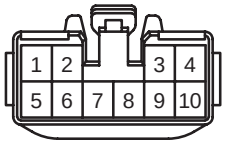
H 9
Gray

H10
Black

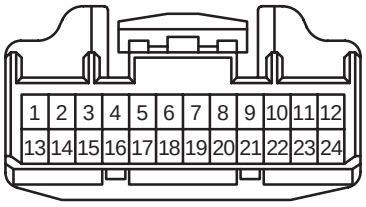
H11
Black

H12
Black

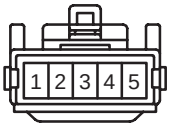
H13
Black



H14



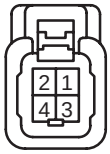
H15



H16
Black

H17
(w/ HID) Gray

H17
(w/o HID) Gray

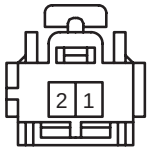


H18
Black

H19
Black

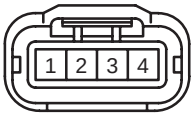
H20
(L/B)

H20
(S/D) Gray



H20
(W/G) Black

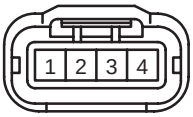
I 1
Black



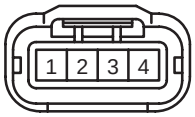
F CONNECTOR LIST

*2 : 2AZ–FSE, 1AZ–FSE
*3 : Except 2AZ–FSE, 1AZ–FSE

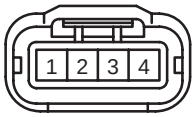
I 2
Gray



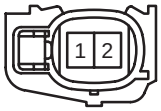
I 3
Black



I 4
Gray



I 5
(*3) Black

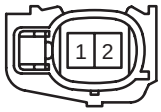


I 5
(*2) Black

I 6
(*3) Gray

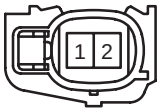
I 6
(*2) Gray

I 7
(*3) Black



I 7
(*2) Black

I 8
(*3) Gray

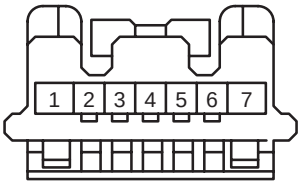


I 8
(*2) Gray

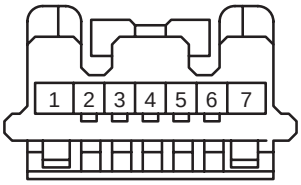
I 9
Gray

I10
Black

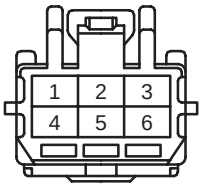
I11
Black



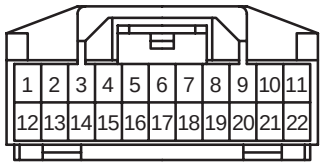
I12
Black



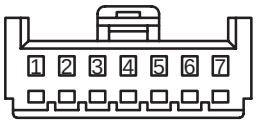
I13



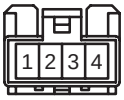
I14



I15
Black



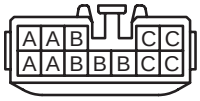
I16



I17
Black

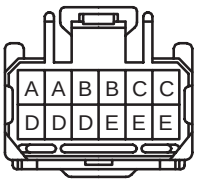
I18
Black

J 1
Gray

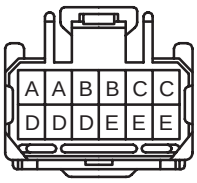


J 2
Black

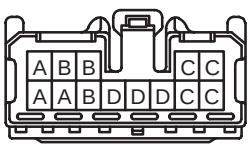
J 3



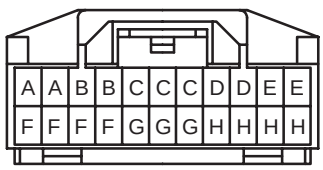
J 4



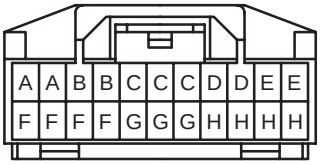
J 5



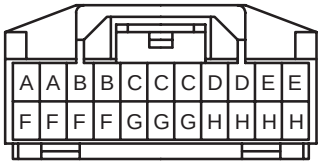
J 6



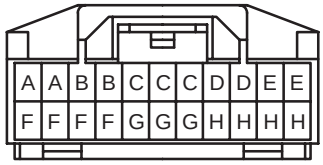
J 7



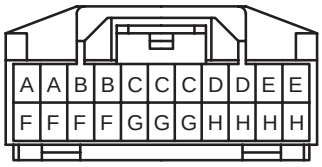
J 8
Black



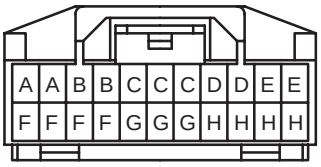
J 9
Black



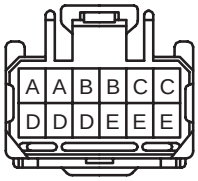
J10
Gray



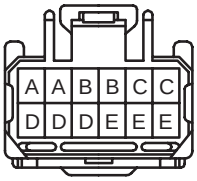
J11
Gray



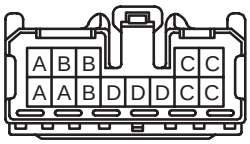
J12



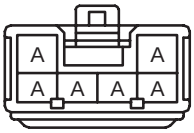
J13



J14



J15



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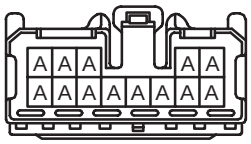

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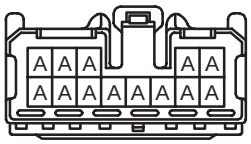

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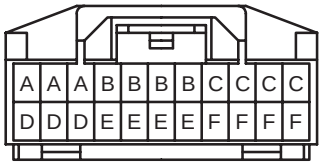

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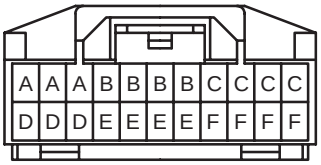

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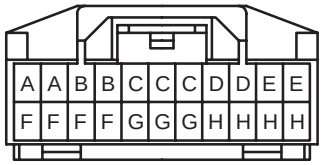

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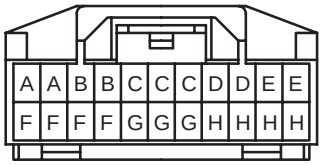

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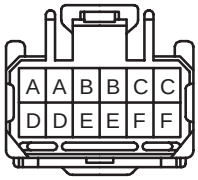

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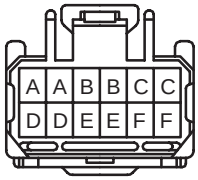

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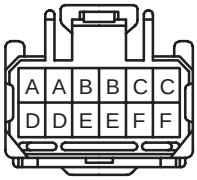

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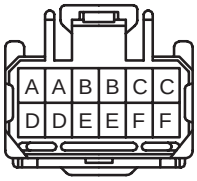

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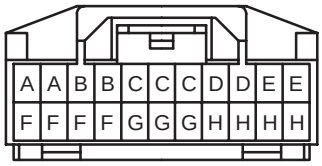

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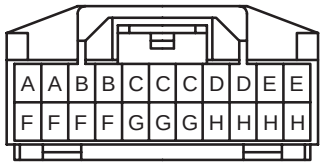

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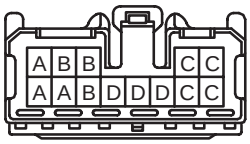

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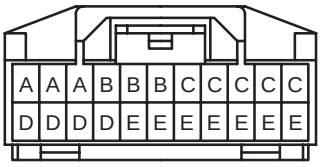

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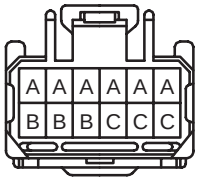
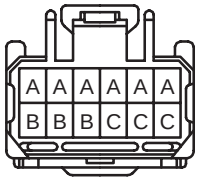


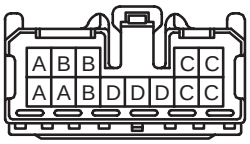
J31



F CONNECTOR LIST

*4 : w/ Navigation System (Map Type)
*5 : w/o Navigation System (Map Type)

J32



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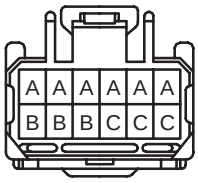

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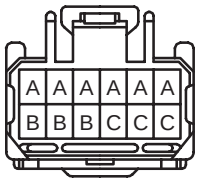

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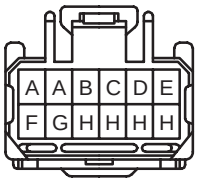

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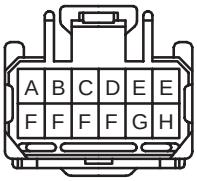

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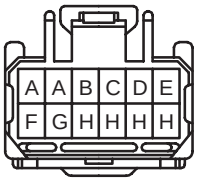

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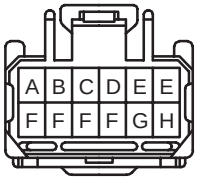
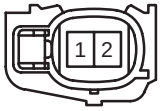
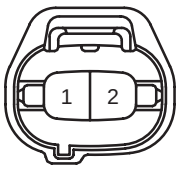


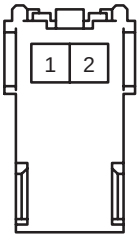
K 1
Black



K 2
Black



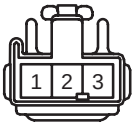
K 3
Yellow



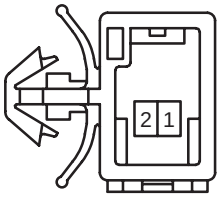
L 1
Black

L 2
Black

L 3
Black

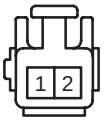


L 4

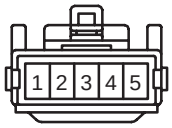


L 5

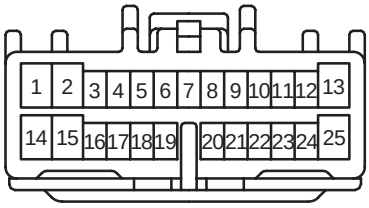
L 6



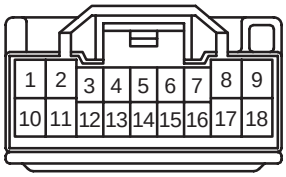
L 7



M 1
(*4)

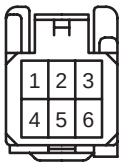


M 1
(*5)



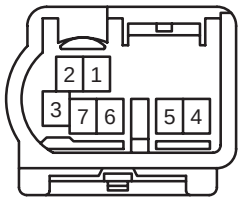
M 2
(*4)

M 2
(*5)

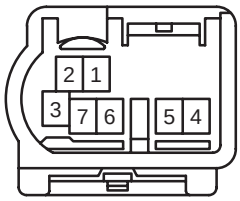


M 3

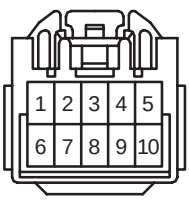
M 4



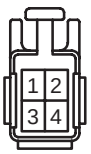
M 5



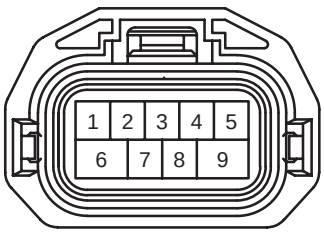
M 6
Gray



M 7



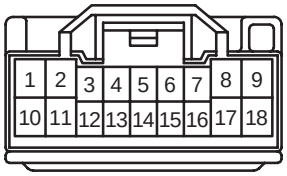
N 1
Gray



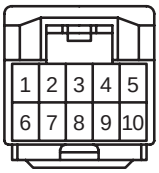
N 2
Gray

*6 : Power Heater (Combustion Type)
*7 : Power Heater (Hot Gas Type)

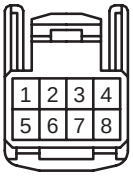
N 3



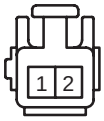
N 4



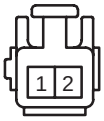
N 5



N 6

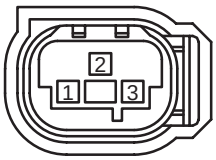


N 7



N 8

O 1
Black



O 2
Gray

P 1
Black

P 2
Black

P 3
Gray

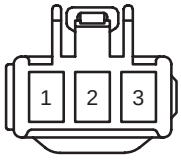
P 4
Black

P 5
(*6) Gray

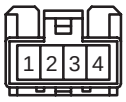
P 5
(*7)

P 6
Black

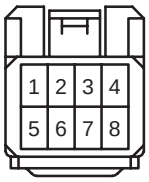
P 7



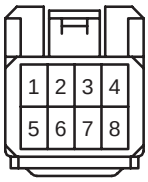
P 8



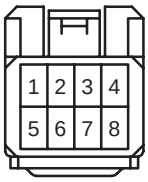
P 9



P10



P11



P12
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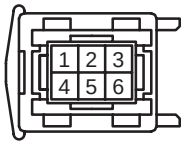

P13
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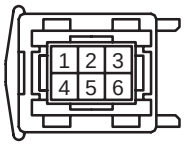

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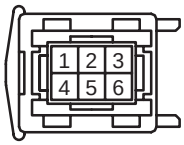
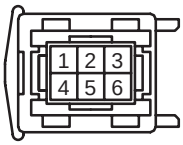
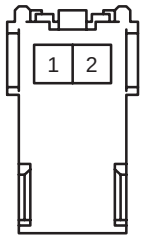


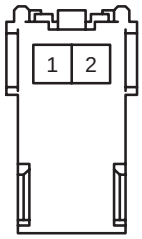
P15
Gray



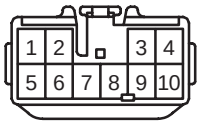
P16
Yellow



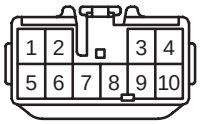
P17
Yellow



P18
Black



P19
Black



P20

P21
Black

P22

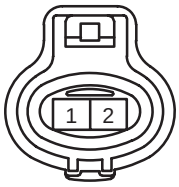
P23
Blue

F CONNECTOR LIST

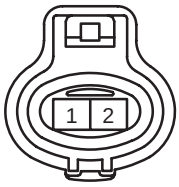
P24

P25
Blue

R 1
Gray

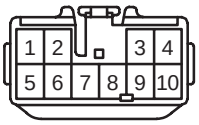


R 2
Black



R 3
Red

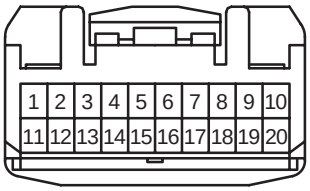
R 4



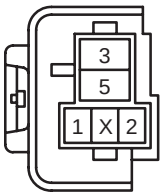
R 5

R 6

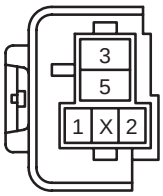
R 7



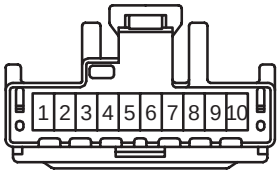
R 8



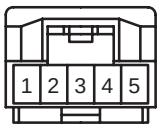
R 9



R10

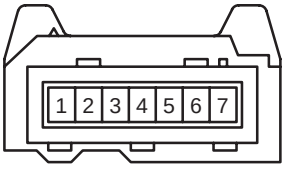


R11

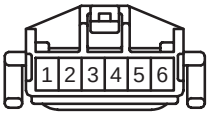


R12
Black

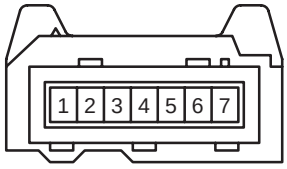
R13
(Except W/G) Black



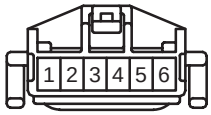
R13
(W/G)



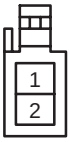
R14
(Except W/G) Black



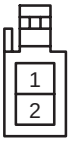
R14
(W/G)



R15
Black



R16
Black



R17

R18
(L/B)

R18
(S/D, W/G)

R19
(L/B)

R19
(S/D)

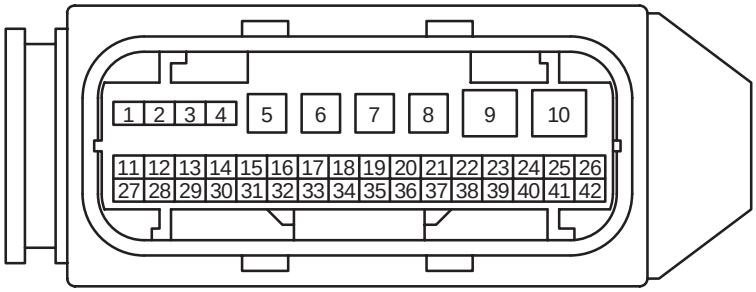
R19
(W/G)

R20
Black

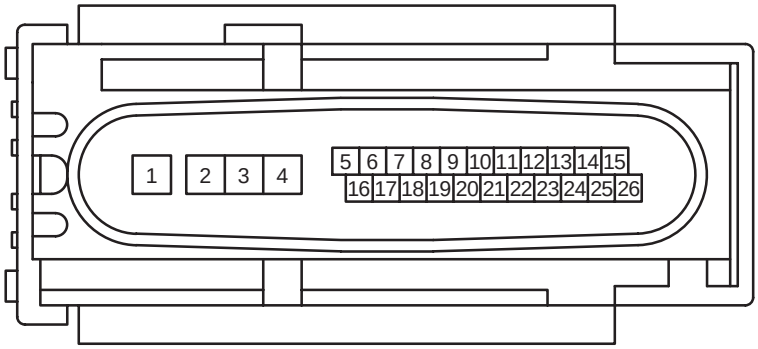
R21
Black

*8 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
*9 : Except LHD 1AZ–FE
*10 : w/ Curtain Shield Airbag
*11 : w/o Curtain Shield Airbag

S 1
Black



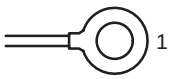
S 2
Black



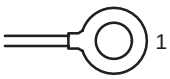
S 3
Gray

S 4
Black

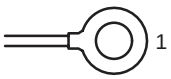
S 5
(1CD–FTV)



S 5
(1ZZ–FE, 3ZZ–FE)

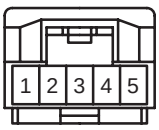


S 5
(*8)



S 6
Gray

S 7
Black



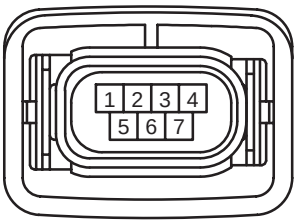
S 8
Black

S 9

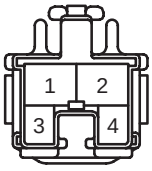
S10
Black

S11
Black

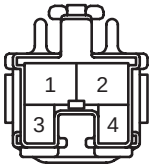
S12
Black



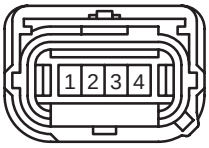
S13
(*9)



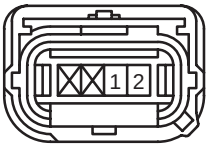
S13
(LHD 1AZ–FE) Black



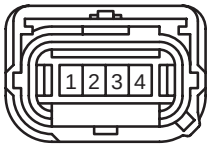
S14
(*10) Yellow



S14
(*11) Yellow



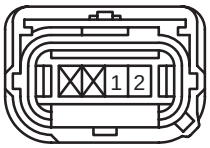
S15
(*10) Yellow



F CONNECTOR LIST

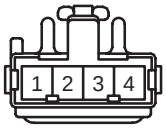
*11 : w/o Curtain Shield Airbag

S15
(*11) Yellow



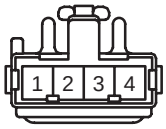
S16
(w/ Power Seat) Gray

S16
(w/o Power Seat)



S17
(w/ Power Seat) Gray

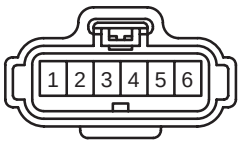
S17
(w/o Power Seat)



S18
Yellow

S19
Yellow

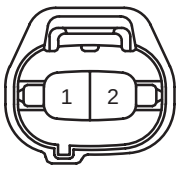
T 1
Black



T 2
Black

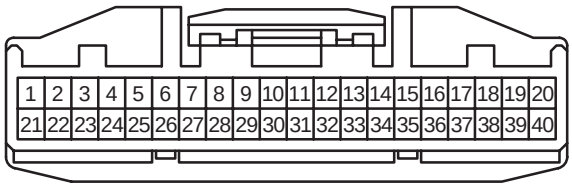
T 3
Gray

T 4
Black

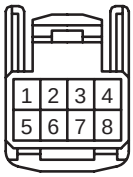


T 5
Black

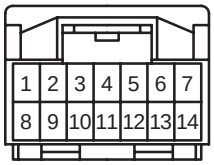
T 6



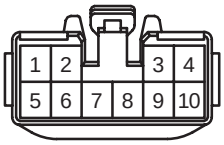
T 7



T 8

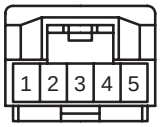


T 9
Black

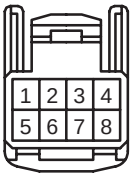


T10
Black

T11

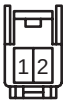


T12

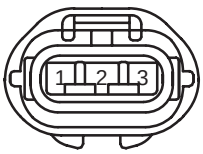


T13

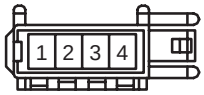
T14
Black



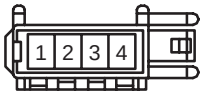
T15
Black



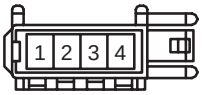
T16



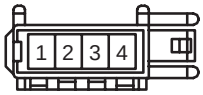
T17



T18



T19



U 1
Black

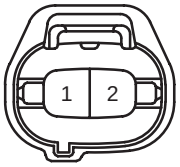
V 1
Black

V 2
Black

V 3
Black

V 4
Black

V 5
Blue



V 6
Brown

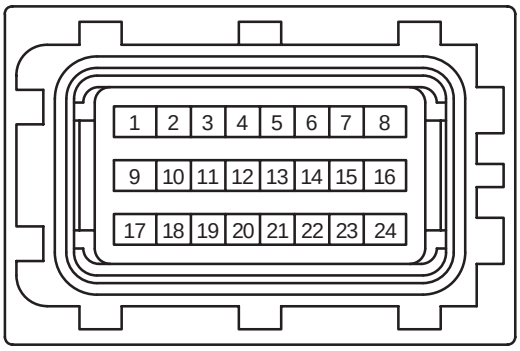
V 7
Black

V 8

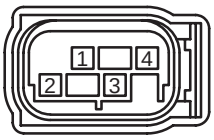
V 9

W 1

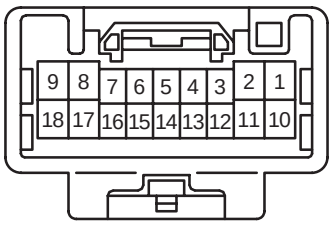
W 2
Black



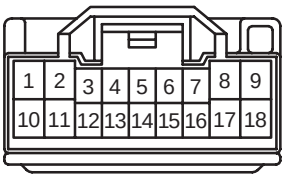
Y 1
Black



Z 1



Z 2



G PART NUMBER OF CONNECTORS

Code	Part Name	Part Number
A 1	A/C Ambient Temp. Sensor	90980–11030
A 2	A/C Condenser Fan Motor	90980–10928
A 3	A/C Pressure Sensor	90980–10845
A 4	ABS Speed Sensor Front LH	90980–11003
A 5	ABS Speed Sensor Front RH	
A 6	Air Flow Meter	90980–11317
A 7	Air Fuel Ratio Sensor (Bank 1 Sensor 1)	90980–11178
A 8	Air Fuel Ratio Sensor (Bank 2 Sensor 1)	90980–10869
A 9	Airbag Sensor Front LH	90980–11856
A10	Airbag Sensor Front RH	
A11	Alternator	90980–11964
A12	Alternator (Except 1CD–FTV)	90980–09212
	Alternator (1CD–FTV)	90980–09213
A13	A/C Control Assembly	90980–12169
A14	A/C Control Assembly	90980–11778
A15	A/C Control Assembly	90980–12259
A16	A/C Control Assembly	90980–12200
A17	A/C Room Temp. Sensor	90980–11918
A18	A/C Solar Sensor	90980–11987
A19	A/C Thermistor	90980–11918
A20	Accel Position Sensor	90980–11144
A21	Air Inlet Control Servo Motor	90980–11987
A22	Air Mix Control Servo Motor	90980–11909
A23	Air Mix Control Servo Motor (Driver Side)	
A24	Air Mix Control Servo Motor (Front Passenger Side)	
A25	Air Vent Mode Control Servo Motor	
A26	Airbag Sensor Assembly	82824–50160
A27	Airbag Sensor Assembly	90980–11872
A28	Airbag Sensor Assembly	82824–50150
A29	Airbag Squib (Front Passenger Airbag Assembly)	90980–12160
A30	Airbag Squib (Steering Wheel Pad)	
A31	Antenna Amplifier	90980–10870
A32	ABS Speed Sensor Rear LH	90980–11060
A33	ABS Speed Sensor Rear RH	
A34	Air Fuel Ratio Sensor	90980–11930
A35	Air Fuel Ratio Sensor Relay	82660–05020
B 1	Back–Up Light SW	90980–11250
B 2	Brake Booster Pressure Sensor	90980–10845
B 3	Brake Fluid Level Warning SW	90080–98001
B 4	Blower Motor	90980–10214
B 5	Blower Motor Controller	90980–11676
B 6	Blower Resistor	90980–11136
B 7	Back Door Courtesy SW	90980–10795
	Back Door Lock Motor	
B 8	Back Door Opener SW	90980–11967
B 9	Buckle SW (Driver's Side)	90980–10942
B10	Buckle SW (Front Passenger's Side)	90980–10795
	Occupant Detection Sensor	
C 1	Camshaft Position Sensor	90980–10947
C 2	Camshaft Timing Oil Control Valve	90980–11162
C 3	Compressor Assembly	90980–11156
C 4	Condenser Assembly	90980–11003
C 5	Counter Gear Speed Sensor	90980–11156
C 6	Crankshaft Position Sensor (Except 1CD–FTV)	90980–10947
	Crankshaft Position Sensor (1CD–FTV)	90980–12028
C 7	Cigarette Lighter	90980–10795
	Cigarette Lighter Illumination	
C 8	Circuit Opening Relay	82660–05020
C 9	Clutch Start SW	90980–10825
C10	Combination Meter	90980–11913
C11	Combination Meter	90980–11915
C12	Combination SW	90980–11672
C13	Combination SW	90980–11594
C14	Combination SW	90980–12183
C15	Curtain Shield Airbag Sensor LH	90980–12352
C16	Curtain Shield Airbag Sensor RH	
C17	Curtain Shield Airbag Squib LH	90980–12219
C18	Curtain Shield Airbag Squib RH	
D 1	Diesel Throttle Control Motor	90980–11144
D 2	Diode	90980–11071
D 3	Diode	90980–10962
D 4	Diode (Fan) (Except 1CD–FTV)	90980–11608
	Diode (Fan) (1CD–FTV)	90980–11071
D 5	DLC3	90980–11665
D 6	Door Control Receiver	90980–11909
D 7	Door Courtesy Light LH	90980–11148
D 8	Door Courtesy Light RH	
D 9	Door Courtesy SW Front LH	90980–10871
D10	Door Courtesy SW Front RH	
D11	Door Courtesy SW Rear LH	
D12	Door Courtesy SW Rear RH	
D13	Door Key Lock and Unlock SW (Driver's Side)	90980–12226
	Door Lock Control Motor (Driver's Side)	
	Door Unlock Detection SW (Driver's Side)	
D14	Door Key Lock and Unlock SW (Driver's Side)	
	Door Lock Control Motor (Driver's Side)	
	Door Unlock Detection SW (Driver's Side)	
	Double Lock Motor (Driver's Side)	
	Double Lock Position SW (Driver's Side)	

Note: Not all of the above part numbers of the connector are established for the supply.

Code	Part Name	Part Number
D15	Door Lock Control Motor (Front Passenger's Side)	90980–12226
D16	Door Lock Control Motor (Front Passenger's Side)	
	Door Unlock Detection SW (Front Passenger's Side)	
	Double Lock Motor (Front Passenger's Side)	
	Double Lock Position SW (Front Passenger's Side)	
D17	Door Lock Control SW	90980–12200
	Power Window Master SW	
D18	Door Lock Motor Rear LH	90980–12226
D19	Door Lock Motor Rear LH	
	Door Unlock Detection SW Rear LH	
	Double Lock Motor Rear LH	
	Double Lock Position SW Rear LH	
D20	Door Lock Motor Rear RH	
D21	Door Lock Motor Rear RH	
	Door Unlock Detection SW Rear RH	
	Double Lock Motor Rear RH	
	Double Lock Position SW Rear RH	
D22	Differential Pressure Sensor	90980–10845
E 1	ECT Solenoid (Except 2AZ–FSE)	90980–11658
	ECT Solenoid (2AZ–FSE)	90980–12326
E 2	EFI Water Temp. Sensor (Except 1AZ–FE, 1CD–FTV)	90980–11062
	EFI Water Temp. Sensor (1AZ–FE)	90980–10735
	EFI Water Temp. Sensor (1CD–FTV)	90980–10737
E 3	EGR Valve Control Motor	90980–11144
E 4	Electronic Driver Unit	90980–11592
E 5	Electronic Driver Unit (1CD–FTV)	90980–11593
	Electronic Driver Unit (2AZ–FSE, 1AZ–FSE)	90980–11024
E 6	Engine Hood Courtesy SW	90980–10554
E 7	Engine Oil Level Sensor (1CD–FTV)	90980–11235
	Engine Oil Level Sensor (2AZ–FSE)	90980–10532
E 8	ECT Pattern Select SW	90980–11013
E 9	Engine and ECT ECU (A/T)	90980–12142
	Engine ECU (M/T)	
E10	Engine and ECT ECU (A/T)	90980–12146
	Engine ECU (M/T)	
E11	Engine and ECT ECU (A/T)	90980–12143
	Engine ECU (M/T)	
E12	Engine and ECT ECU (A/T)	90980–12145
	Engine ECU (M/T)	
E13	Engine and ECT ECU (A/T)	90980–12144
	Engine ECU (M/T)	
E14	EPS ECU	90980–12300

Code	Part Name	Part Number
E15	EPS ECU	90980–12290
E16	Exhaust Fuel Addition Injector Assembly	90980–11875
E17	EGR Valve Assembly	90980–11162
E18	EGR Valve Position Sensor	90980–11143
E19	Exhaust Gas Temperature Sensor (Front)	90980–10901
E20	Exhaust Gas Temperature Sensor (Rear)	90980–10899
F 1	Front Clearance Light LH	90980–11149
F 2	Front Clearance Light RH	
F 3	Front Fog Light LH	90980–11660
F 4	Front Fog Light RH	
F 5	Front Side Turn Signal Light LH	90980–11162
F 6	Front Side Turn Signal Light RH	
F 7	Front Turn Signal Light LH	90980–10942
	Headlight Control ECU LH	
F 8	Front Turn Signal Light LH	
	Headlight LH (Low)	
F 9	Front Turn Signal Light RH	
	Headlight Control ECU RH	
F10	Front Turn Signal Light RH	
	Headlight RH (Low)	
F11	Front Washer Motor	90080–98117
F12	Front Window Deicer	90980–11155
F13	Front Wiper Motor	90980–11599
F14	Fuel Filter Warning SW	90980–11002
F15	Fuel Heater	90980–10928
F16	Fuel Pressure Sensor (1CD–FTV)	90980–11194
	Fuel Pressure Sensor (2AZ–FSE, 1AZ–FSE)	90980–11451
F17	Fuel Pump	90080–98001
F18	Fuel Temp. Sensor	90980–11062
F19	Front Passenger's Seat Belt Warning Light	90980–11989
	Rear Window Defogger SW	
	Security Indicator Light	
F20	Front Wiper Deicer SW	90980–10797
F21	Front Door Speaker LH	90080–98157
F22	Front Door Speaker RH	
F23	Fuel Lid Opener Motor	90080–98313
F24	Fuel Lid Opener SW	90980–11013
F25	Fuel Pump	90980–11077
	Fuel Sender	
F26	Fuel Pump Resistor	90980–10901
F27	Fuel Control SW	90980–10996
G 1	Glow Plug	99141–13006
G 2	Glow Plug Relay	90980–11569
G 3	Glove Box Light	90980–11098

G PART NUMBER OF CONNECTORS

Code	Part Name	Part Number
H 1	Headlight Beam Level Control Actuator LH	90980–11016
H 2	Headlight Beam Level Control Actuator RH	
H 3	Headlight Cleaner Control Relay	90980–10939
H 4	Headlight Cleaner Motor	90080–98116
H 5	Headlight LH (High)	90980–11314
H 6	Headlight RH (High)	
H 7	Heated Oxygen Sensor (Bank 1 Sensor 1) (1ZZ–FE, 3ZZ–FE)	90980–10869
	Heated Oxygen Sensor (Bank 1 Sensor 1) (2AZ–FSE, 1AZ–FSE)	90980–11028
H 8	Heated Oxygen Sensor (Bank 1 Sensor 2)	90980–11028
H 9	Heated Oxygen Sensor (Bank 2 Sensor 1)	90980–10869
H10	Heated Oxygen Sensor (Bank 2 Sensor 2)	90980–11028
H11	Horn LH	90980–10619
H12	Horn RH	
H13	Hazard SW	90980–10801
H14	Headlight Beam Level Control ECU	90980–12200
H15	Headlight Beam Level Control SW	90980–10789
H16	Headlight Cleaner SW	90980–10601
H17	Heated Oxygen Sensor (Bank 1 Sensor 2) (w/ HID)	90980–11930
	Heated Oxygen Sensor (Bank 1 Sensor 2) (w/o HID)	90980–10794
H18	Height Control Sensor (Front)	90980–11860
H19	Height Control Sensor (Rear)	
H20	High Mounted Stop Light (L/B)	90980–10320
	High Mounted Stop Light (S/D)	90980–WB002
	High Mounted Stop Light (W/G)	90980–11148
I 1	Ignition Coil and Igniter No.1	90980–11885
I 2	Ignition Coil and Igniter No.2	
I 3	Ignition Coil and Igniter No.3	
I 4	Ignition Coil and Igniter No.4	
I 5	Injector No.1 (Except 2AZ–FSE, 1AZ–FSE)	90980–11875
	Injector No.1 (2AZ–FSE, 1AZ–FSE)	90980–12117
I 6	Injector No.2 (Except 2AZ–FSE, 1AZ–FSE)	90980–11875
	Injector No.2 (2AZ–FSE, 1AZ–FSE)	90980–12117
I 7	Injector No.3 (Except 2AZ–FSE, 1AZ–FSE)	90980–11875
	Injector No.3 (2AZ–FSE, 1AZ–FSE)	90980–12117
I 8	Injector No.4 (Except 2AZ–FSE, 1AZ–FSE)	90980–11875
	Injector No.4 (2AZ–FSE, 1AZ–FSE)	90980–12117
I 9	Intake Air Temp. Sensor	90980–11025
I10	ISC Valve	90980–11145
I11	Ignition Key Cylinder Light	90980–12092
I12	Ignition Key Cylinder Light	
	Transponder Key Amplifier	
I13	Ignition SW	90980–11778
I14	Integration Relay	90980–11915
I15	Inner Mirror	90980–11794

Code	Part Name	Part Number
I16	Interior Light	90980–11950
I17	Intake Shutter Assembly	90980–11145
I18	Intake Shutter Assembly	90980–11261
J 1	Junction Connector	90980–10803
J 2	Junction Connector	
J 3	Junction Connector	90980–11661
J 4	Junction Connector	
J 5	Junction Connector	90980–11542
J 6	Junction Connector	90980–11915
J 7	Junction Connector	
J 8	Junction Connector	
J 9	Junction Connector	
J10	Junction Connector	
J11	Junction Connector	
J12	Junction Connector	90980–11661
J13	Junction Connector	
J14	Junction Connector	90980–11542
J15	Junction Connector	90980–10976
J16	Junction Connector	90980–11542
J17	Junction Connector	
J18	Junction Connector	90980–11915
J19	Junction Connector	
J20	Junction Connector	
J21	Junction Connector	
J22	Junction Connector	90980–11661
J23	Junction Connector	
J24	Junction Connector	
J25	Junction Connector	
J26	Junction Connector	90980–11915
J27	Junction Connector	
J28	Junction Connector	90980–11542
J29	Junction Connector	90980–11915
J30	Junction Connector	90980–11661
J31	Junction Connector	
J32	Junction Connector	90980–11542
J33	Junction Connector	90980–11661
J34	Junction Connector	
J35	Junction Connector	
J36	Junction Connector	
J37	Junction Connector	
J38	Junction Connector	
K 1	Knock Sensor	90980–11875
K 2	Kick Down SW	90980–11156
K 3	Knee Airbag Squib	90980–12253
L 1	License Plate Light LH	90080–98001
L 2	License Plate Light RH	

Note: Not all of the above part numbers of the connector are established for the supply.

Code	Part Name	Part Number
L 3	Luggage Compartment Door Lock Motor	90980–10908
	Luggage Compartment Light SW	
L 4	Luggage Compartment Door Opener SW	90980–11967
L 5	Luggage Compartment Light	90980–11148
L 6	Lumbar Support Control Motor	90980–10825
L 7	Lumbar Support Control SW	90980–10789
M 1	Multi–Display (w/ Navigation System (Map Type))	90980–11877
	Multi–Display (w/o Navigation System (Map Type))	90980–11973
M 2	Multi–Display (w/ Navigation System (Map Type))	90980–11923
	Multi–Display (w/o Navigation System (Map Type))	90980–12209
M 3	Multi–Display	90980–10871
M 4	Mirror Heater LH	90980–12059
	Remote Control Mirror LH	
M 5	Mirror Heater RH	
	Remote Control Mirror RH	
M 6	Moon Roof Control Relay and Motor	82824–05030
M 7	Moon Roof Control SW	90980–10795
N 1	Neutral Start SW	90980–11784
N 2	Noise Filter (Ignition)	90980–10843
N 3	Navigation ECU	90980–11973
N 4	Navigation ECU	90980–11923
N 5	Navigation ECU	90980–12221
N 6	Noise Filter (Rear Window Defogger No.1)	90980–10825
N 7	Noise Filter (Rear Window Defogger No.2)	
N 8	Noise Filter (Stop Light)	
O 1	Oil Pressure Sensor	90080–98200
O 2	Oil Pressure SW	90980–11363
P 1	Power Heater Assembly	90980–10897
P 2	Power Steering Oil Pressure SW	90980–11428
P 3	Pressure Discharge Valve	90980–11285
P 4	Parking Brake SW	90980–10871
P 5	Power Heater SW	90980–10996
P 6	Power Outlet	90080–98182
P 7	PTC Heater	90980–11685
P 8	Personal Light	90980–11950
P 9	Power Window Control SW (Front Passenger Side)	90980–12113
P10	Power Window Control SW Rear LH	
P11	Power Window Control SW Rear RH	
P12	Power Window Motor Front LH	90080–98276
P13	Power Window Motor Front RH	
P14	Power Window Motor Rear LH	
P15	Power Window Motor Rear RH	

Code	Part Name	Part Number
P16	Pretensioner LH	90980–12253
P17	Pretensioner RH	
P18	Power Seat Control SW (Driver's Seat)	90980–10997
P19	Power Seat Control SW (Front Passenger's Seat)	
P20	Power Seat Motor (Driver's Seat Front Vertical Control)	90980–10825
P21	Power Seat Motor (Driver's Seat Lifter Control)	
P22	Power Seat Motor (Driver's Seat Reclining Control)	
P23	Power Seat Motor (Driver's Seat Slide Control)	
P24	Power Seat Motor (Front Passenger's Seat Reclining Control)	
P25	Power Seat Motor (Front Passenger's Seat Slide Control)	
R 1	Radiator Fan Motor	90980–10928
R 2	Radiator Fan Resistor	
R 3	Rear Washer Motor	90080–98117
R 4	Radio and Player	90980–10997
R 5	Radio and Player	90980–10996
R 6	Radio and Player	90980–12183
R 7	Radio and Player	90980–12259
R 8	Rear Fog Light Relay	82660–05010
R 9	Rear Window Defogger Relay	82660–05020
R10	Remote Control Mirror SW	90980–11657
R11	Remote Controller (Navigation)	90980–11909
R12	Rain Sensor	90080–98309
R13	Rear Combination Light LH (Except W/G)	90080–98175
	Rear Combination Light LH (W/G)	90980–10964
R14	Rear Combination Light RH (Except W/G)	90080–98175
	Rear Combination Light RH (W/G)	90980–10964
R15	Rear Door Speaker LH	90080–98157
R16	Rear Door Speaker RH	
R17	Rear Interior Light	90980–11148
R18	Rear Window Defogger (L/B)	90980–11258
	Rear Window Defogger (S/D, W/G)	90980–11259
R19	Rear Window Defogger (L/B)	90980–11258
	Rear Window Defogger (S/D)	90980–10786
	Rear Window Defogger (W/G)	90980–11259
R20	Rear Wiper Motor and Relay	90980–10908
R21	Radiator Fan Relay	90980–11304
S 1	Skid Control ECU with Actuator	90080–98278
S 2	Skid Control ECU with Actuator	90980–WB001
S 3	Spill Valve	90980–12117
S 4	Starter	90980–11400

G PART NUMBER OF CONNECTORS

Code	Part Name	Part Number
S 5	Starter (1CD–FTV)	90980–09507
	Starter (1ZZ–FE, 3ZZ–FE)	90980–09463
	Starter (2AZ–FSE, 1AZ–FSE, 1AZ–FE)	90980–09506
S 6	Suction Control Valve	90980–11285
S 7	Seat Heater SW	90980–11909
S 8	Seat Heater SW	90980–11918
S 9	Shift Lock Control ECU	90980–12183
S10	Short Connector	90980–10797
S11	Short Connector	90980–10796
S12	Steering Sensor	90080–98241
S13	Stop Light SW	90980–11118
S14	Side Airbag Sensor LH (w/ Curtain Shield Airbag)	90980–12225
	Side Airbag Sensor LH (w/o Curtain Shield Airbag)	90980–12352
S15	Side Airbag Sensor RH (w/ Curtain Shield Airbag)	90980–12225
	Side Airbag Sensor RH (w/o Curtain Shield Airbag)	90980–12352
S16	Seat Heater LH (w/ Power Seat)	90980–10797
	Seat Heater LH (w/o Power Seat)	90980–11090
S17	Seat Heater RH (w/ Power Seat)	90980–10797
	Seat Heater RH (w/o Power Seat)	90980–11090
S18	Side Airbag Squib LH	90980–11864
S19	Side Airbag Squib RH	
T 1	Throttle Control Motor and Position Sensor	90980–11858
T 2	Throttle Position Sensor	90980–11261
T 3	Throttle Position SW	90980–11038
T 4	Turbine Speed Sensor	90980–11156
T 5	Turbo Pressure Sensor	90980–10845
T 6	Theft Deterrent ECU	90980–12169
T 7	Transmission Control SW	90980–12221
T 8	Transponder Key Computer	90980–11911
T 9	TRC Off SW	90980–10801
T10	Turn Signal Flasher Relay	90980–10799
T11	Telephone Microphone Amplifier	90980–11909
T12	Theft Warning Ultrasonic Sensor	90980–12221
T13	Theft Warning Ultrasonic Sensor Rear LH	90980–11918
T14	Theft Warning Ultrasonic Sensor Rear RH	
T15	Theft Warning Siren	90980–11349
T16	Tweeter Front LH	90980–12304
T17	Tweeter Front RH	
T18	Tweeter Rear LH	
T19	Tweeter Rear RH	
U 1	Unlock Warning SW	90980–10860
V 1	Vacuum Sensor	90980–10845
V 2	Vacuum SW	90980–11252
V 3	Variable Resistor	90980–10902
V 4	VRV (EGR)	90980–11162
V 5	VSV (EVAP)	90980–11156
V 6	VSV (Intake Air Control Valve)	90980–11149
V 7	VSC Warning Buzzer	90980–10906
V 8	Vanity Light LH	90980–11918
V 9	Vanity Light RH	
W 1	Water Temp. SW (Radiator Fan)	90980–11235
W 2	Wiper Relay	90080–98318
Y 1	Yaw Rate Sensor	90080–98249
Z 1	Option Connector (Navigation ECU)	82824–30240
Z 2	Option Connector (Navigation ECU)	90980–11973

Note: Not all of the above part numbers of the connector are established for the supply.

Code	Part Name	Part Number	Code	Part Name	Part Number

1 AVENSIS

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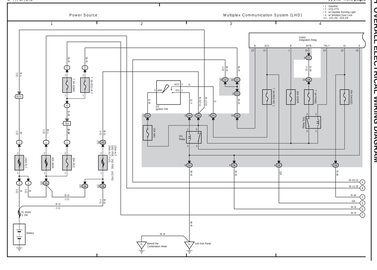

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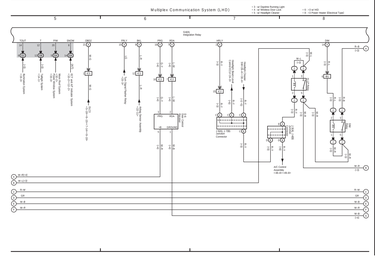

2 AVENSIS

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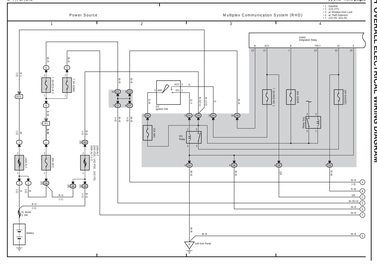

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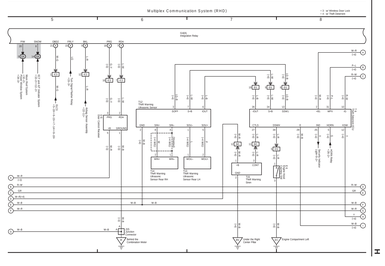
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Engine Room Relay Block
Engine Room R/B No.1
Engine Room R/B No.2
Engine Room J/B No.1
Engine Room J/B No.2
Instrument Panel J/B No.1
Instrument Panel J/B No.2
Instrument Panel J/B No.3
Instrument Panel J/B No.4
Instrument Panel J/B No.5
Instrument Panel J/B No.6
Instrument Panel J/B No.7
Instrument Panel J/B No.8
Instrument Panel J/B No.9
Instrument Panel J/B No.10
Instrument Panel J/B No.11
Instrument Panel J/B No.12
Instrument Panel J/B No.13
Instrument Panel J/B No.14
Instrument Panel J/B No.15
Instrument Panel J/B No.16
Instrument Panel J/B No.17
Instrument Panel J/B No.18
Instrument Panel J/B No.19
Instrument Panel J/B No.20
Instrument Panel J/B No.21
Instrument Panel J/B No.22
Instrument Panel J/B No.23
Instrument Panel J/B No.24
Instrument Panel J/B No.25
Instrument Panel J/B No.26
Instrument Panel J/B No.27
Instrument Panel J/B No.28
Instrument Panel J/B No.29
Instrument Panel J/B No.30
Instrument Panel J/B No.31
Instrument Panel J/B No.32
Instrument Panel J/B No.33
Instrument Panel J/B No.34
Instrument Panel J/B No.35
Instrument Panel J/B No.36
Instrument Panel J/B No.37
Instrument Panel J/B No.38
Instrument Panel J/B No.39
Instrument Panel J/B No.40
Instrument Panel J/B No.41
Instrument Panel J/B No.42
Instrument Panel J/B No.43
Instrument Panel J/B No.44
Instrument Panel J/B No.45
Instrument Panel J/B No.46
Instrument Panel J/B No.47
Instrument Panel J/B No.48
Instrument Panel J/B No.49
Instrument Panel J/B No.50
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Instrument Panel J/B No.60
Instrument Panel J/B No.61
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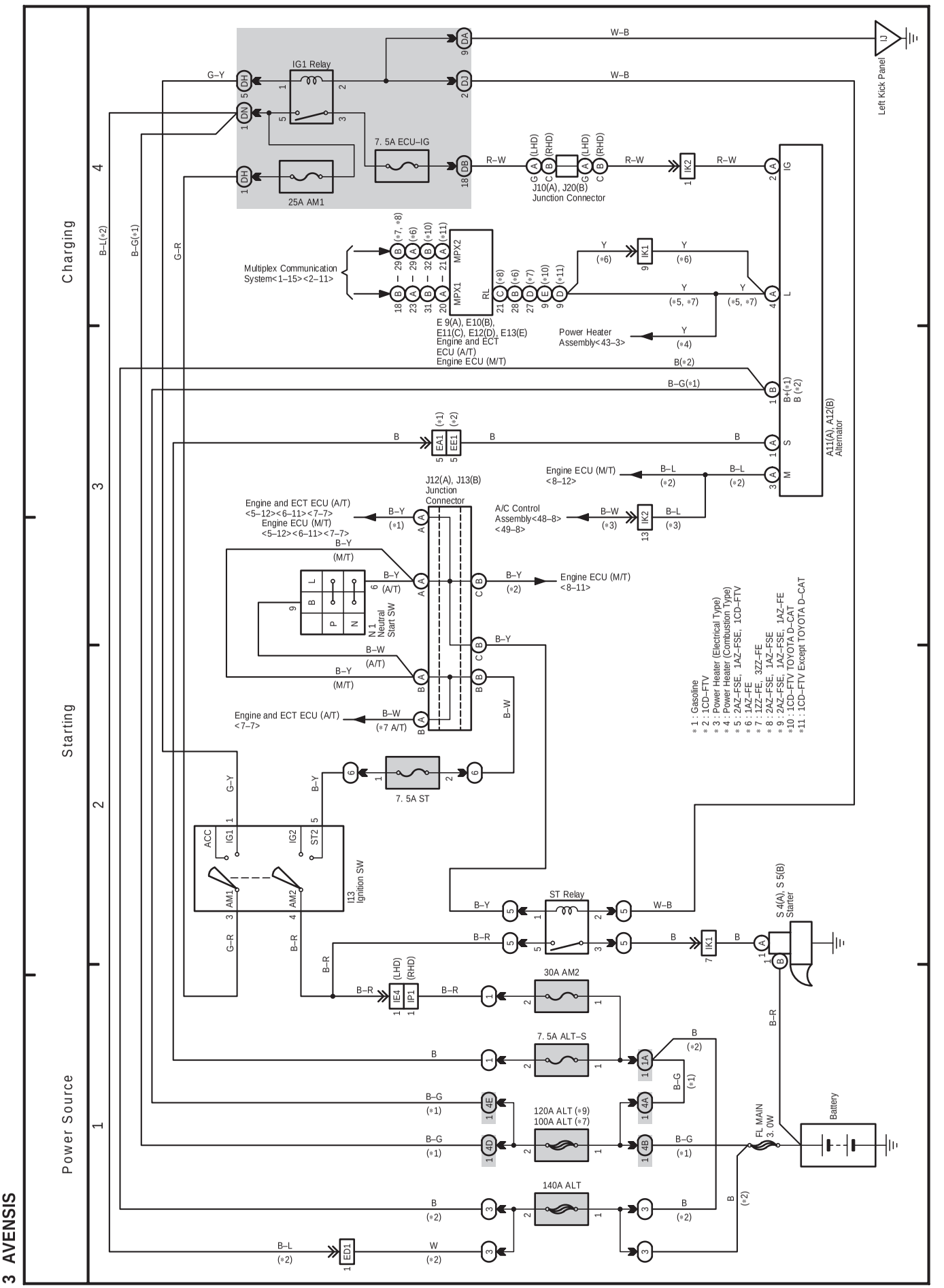
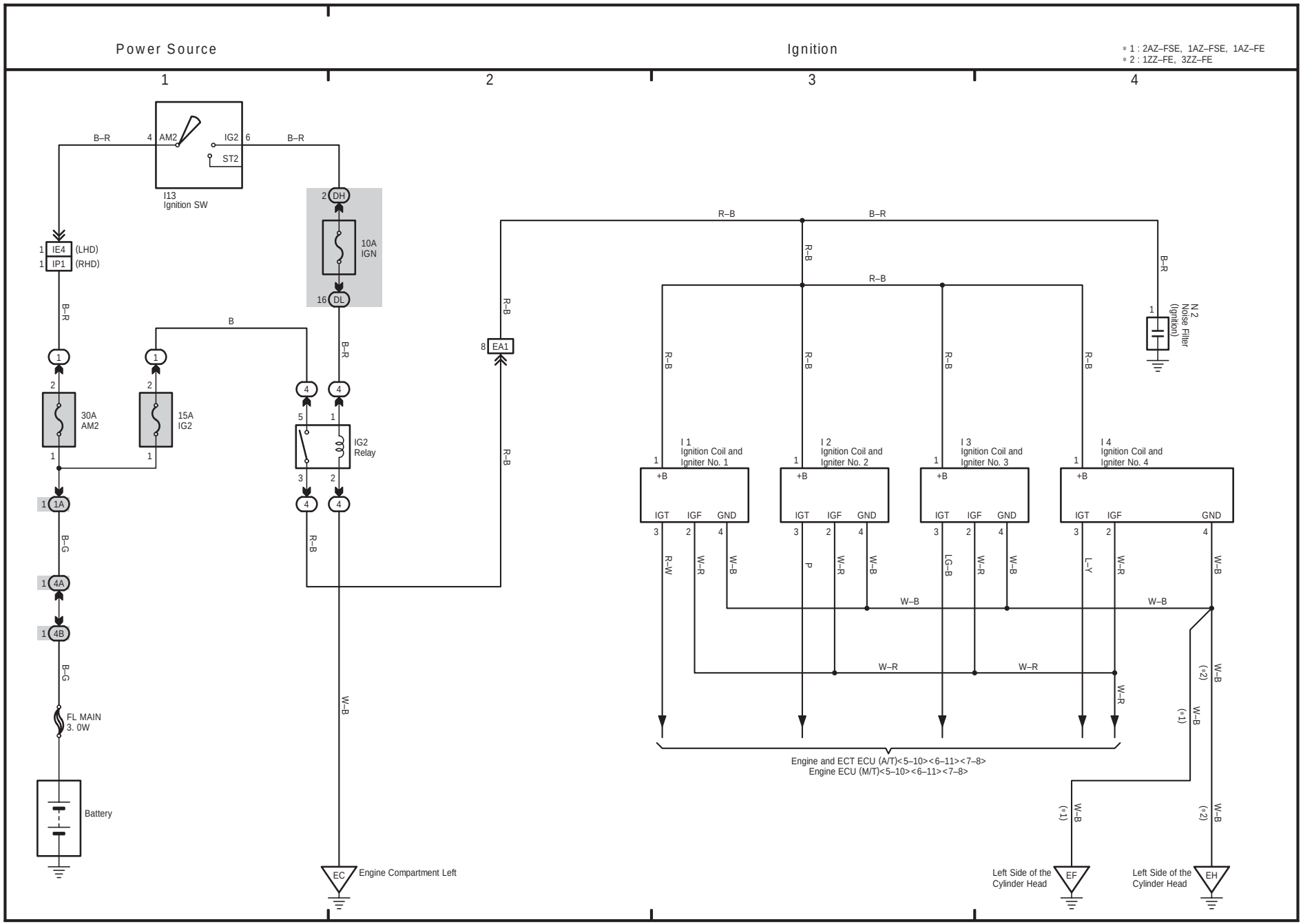
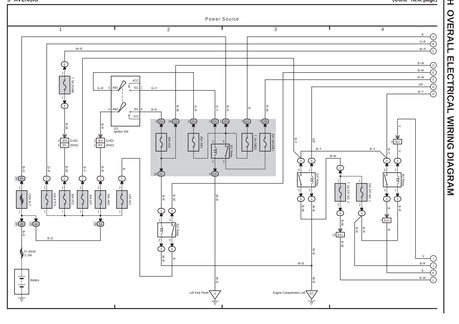
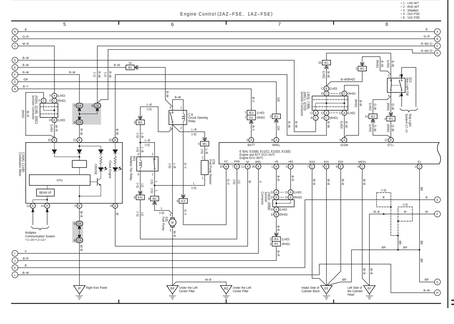
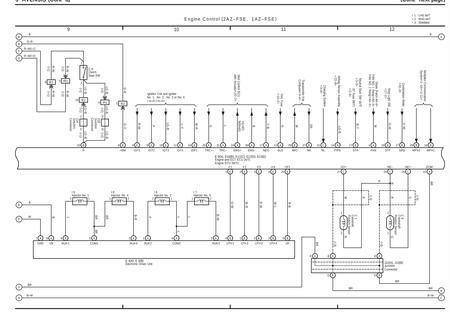
Instrument Panel J/B No.64
Instrument Panel J/B No.65
Instrument Panel J/B No.66
Instrument Panel J/B No.67
Instrument Panel J/B No.68
Instrument Panel J/B No.69
Instrument Panel J/B No.70
Instrument Panel J/B No.71
Instrument Panel J/B No.72
Instrument Panel J/B No.73
Instrument Panel J/B No.74
Instrument Panel J/B No.75
Instrument Panel J/B No.76
Instrument Panel J/B No.77
Instrument Panel J/B No.78
Instrument Panel J/B No.79
Instrument Panel J/B No.80
Instrument Panel J/B No.81
Instrument Panel J/B No.82
Instrument Panel J/B No.83
Instrument Panel J/B No.84
Instrument Panel J/B No.85
Instrument Panel J/B No.86
Instrument Panel J/B No.87
Instrument Panel J/B No.88
Instrument Panel J/B No.89
Instrument Panel J/B No.90
Instrument Panel J/B No.91
Instrument Panel J/B No.92
Instrument Panel J/B No.93
Instrument Panel J/B No.94
Instrument Panel J/B No.95
Instrument Panel J/B No.96
Instrument Panel J/B No.97
Instrument Panel J/B No.98
Instrument Panel J/B No.99
Instrument Panel J/B No.100
Instrument Panel J/B No.101
Instrument Panel J/B No.102
Instrument Panel J/B No.103
Instrument


Charging
Starting
Power Source
IG1 Relay
7. 5A ECU–IG
25A AM1
J10(A), J20(B)
Junction Connector
Left Kick Panel
Multiplex Communication
System<1–15><2–11>
E 9(A), E10(B),
E11(C), E12(D), E13(E)
Engine and ECT
ECU (A/T)
Engine ECU (M/T)
Power Heater
Assembly<43–3>
A11(A), A12(B)
Alternator
J12(A), J13(B)
Junction
Connector
Engine and ECT ECU (A/T)
<5–12><6–11><7–7>
Engine ECU (M/T)
<5–12><6–11><7–7>
Engine ECU (M/T)
<8–12>
A/C Control
Assembly<48–8>
<49–8>
Engine ECU (M/T)
<8–11>
N.1
Neutral
Start SW
Engine and ECT ECU (A/T)
<7–7>
7. 5A ST
I13
Ignition SW
ST Relay
S 4(A), S 5(B)
Starter
30A AM2
7. 5A ALT–S
120A ALT (*9)
100A ALT (*7)
140A ALT
FL MAIN
3. 0W
Battery
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : Power Heater (Electrical Type)
* 4 : Power Heater (Combustion Type)
* 5 : 2AZ–FSE, 1AZ–FSE, 1CD–FTV
* 6 : 1AZ–FE
* 7 : 1ZZ–FE, 3ZZ–FE
* 8 : 2AZ–FSE, 1AZ–FSE
* 9 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
*10 : 1CD–FTV TOYOTA D–CAT
*11 : 1CD–FTV Except TOYOTA D–CAT

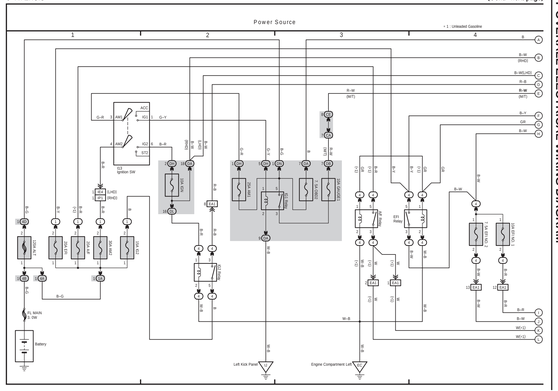

Power Source
Ignition
* 1 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 2 : 1ZZ–FE, 3ZZ–FE
1
2
3
4
I13
Ignition SW
AM2
IG2
ST2
B–R
IE4 (LHD)
IP1 (RHD)
DH
10A
IGN
DL
B
30A
AM2
15A
IG2
IG2
Relay
1A
4A
4B
B–G
FL MAIN
3. 0W
Battery
EC
Engine Compartment Left
R–B
EA1
W–B
I 1
Ignition Coil and
Igniter No. 1
I 2
Ignition Coil and
Igniter No. 2
I 3
Ignition Coil and
Igniter No. 3
I 4
Ignition Coil and
Igniter No. 4
+B
IGT
IGF
GND
R–W
W–R
P
LG–B
L–Y
W–B
N 2
Noise Filter
(Ignition)
Engine and ECT ECU (A/T)<5–10><6–11><7–8>
Engine ECU (M/T)<5–10><6–11><7–8>
(*1)
(*2)
Left Side of the
Cylinder Head
EF
EH


Power Source
1
2
3
4
Battery
Ignition Coil
Left Kick Panel
Engine Compartment Left

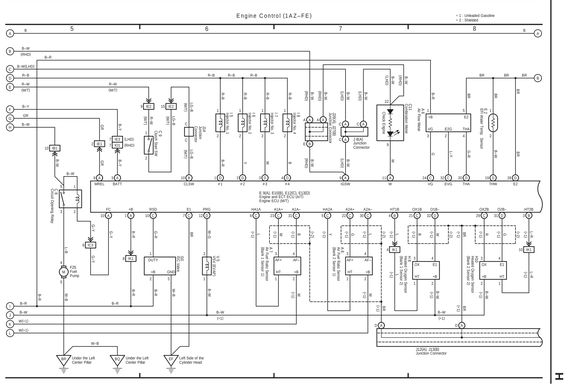

Engine Control (2AZ-FSE, 1AZ-FSE)
5
6
7
8
Right Kick Panel
Under No.1 Cowl Side Inner Panel
Under No.2 Left Cowl Side Inner Panel
Under Side of Left Cowl Side Inner Panel
Left Side of Dash Panel


Engine Control (2AZ-FSE, 1AZ-FSE)
9
10
11
12
Ignition Coil and Igniter No. 1, No. 2, No. 3 or No. 4
No. 1 Fuel Injector
No. 2 Fuel Injector
No. 3 Fuel Injector
No. 4 Fuel Injector
Engine Room R/B No. 1
Engine Room R/B No. 2
Engine Room R/B No. 3
Engine Room R/B No. 4
Engine Room R/B No. 5
Engine Room R/B No. 6
Engine Room R/B No. 7
Engine Room R/B No. 8
Engine Room R/B No.

6 AVENSIS (Cont. next page)



6 AVENSIS (Cont' d) (Cont. next page)



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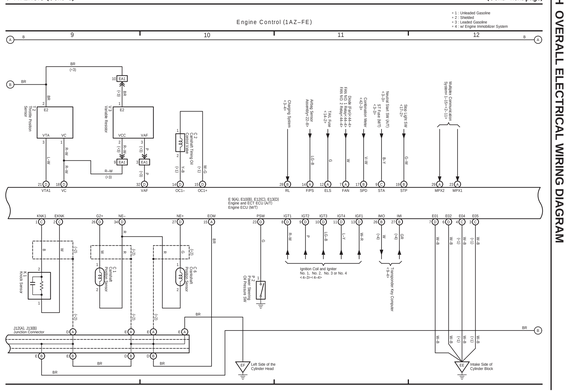
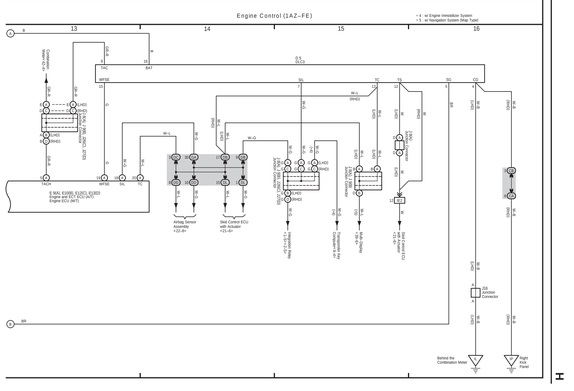
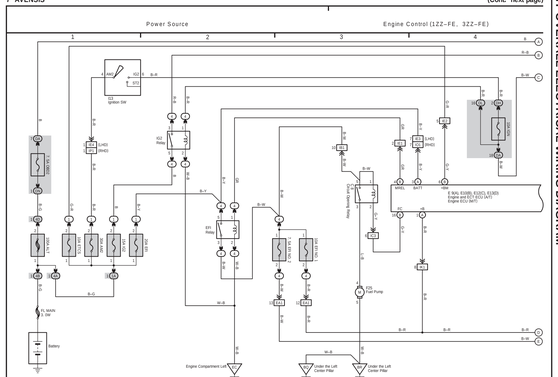


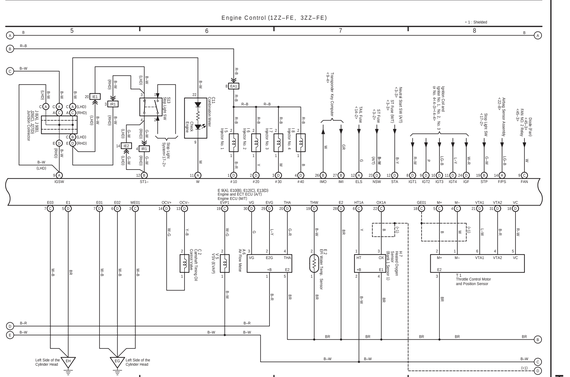
6 AVENSIS (Cont' d)



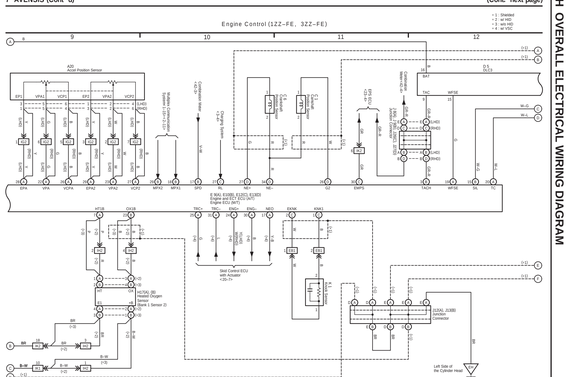
7 AVENSIS (Cont. next page)



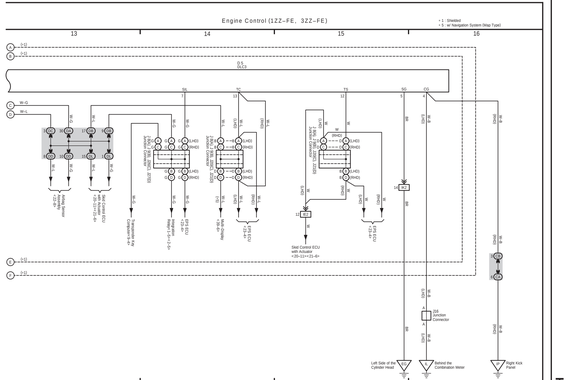
7 AVENSIS (Cont' d) (Cont. next page)



7 AVENSIS (Cont' d) (Cont. next page)



7 AVENSIS (Cont' d)



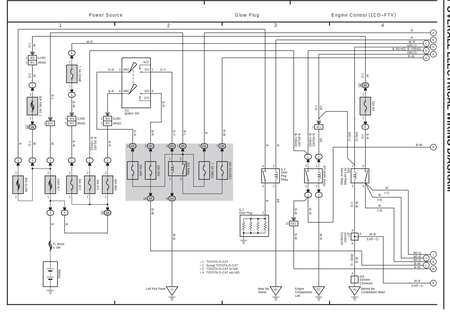
(Cont. next page)

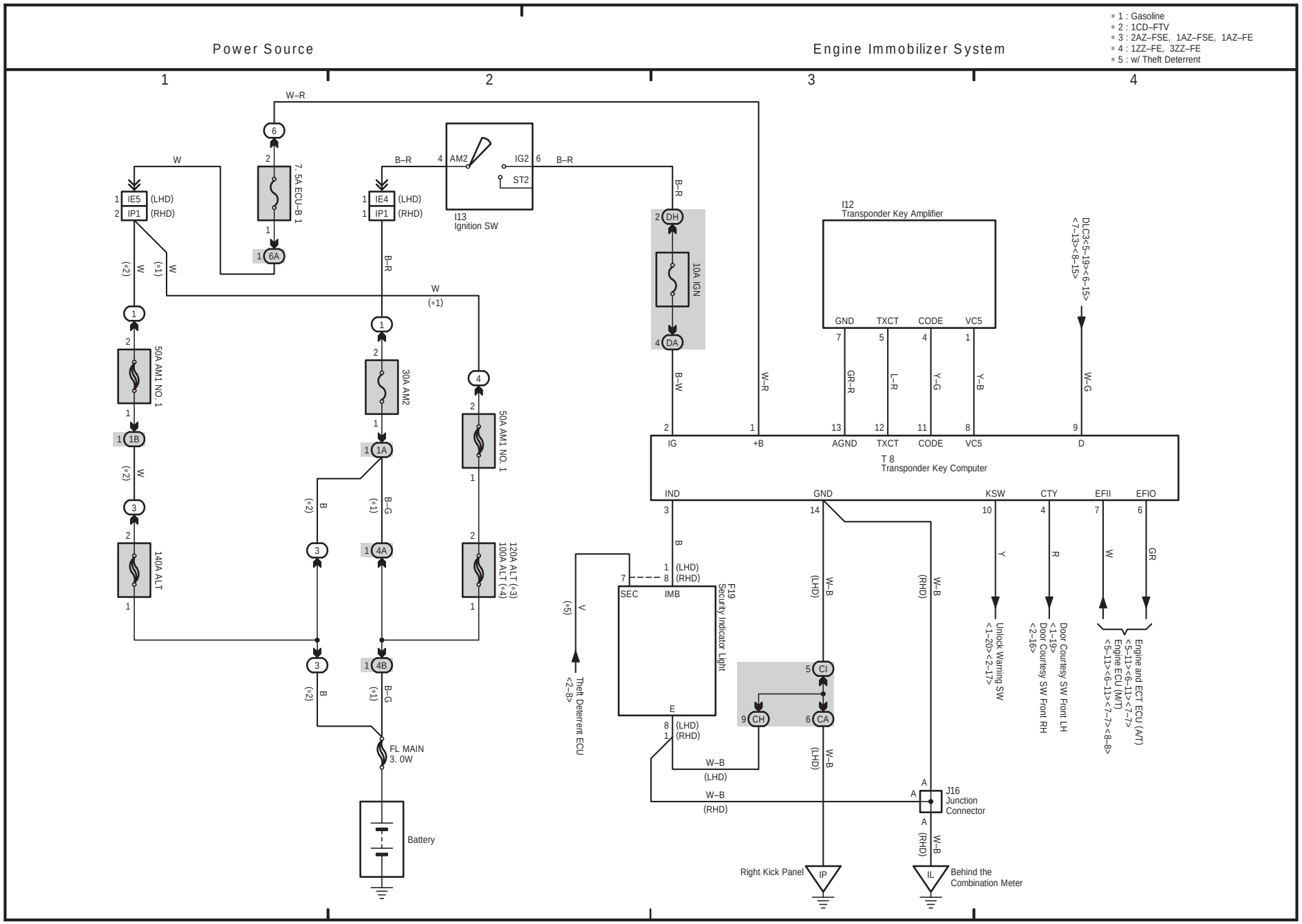
Power Source

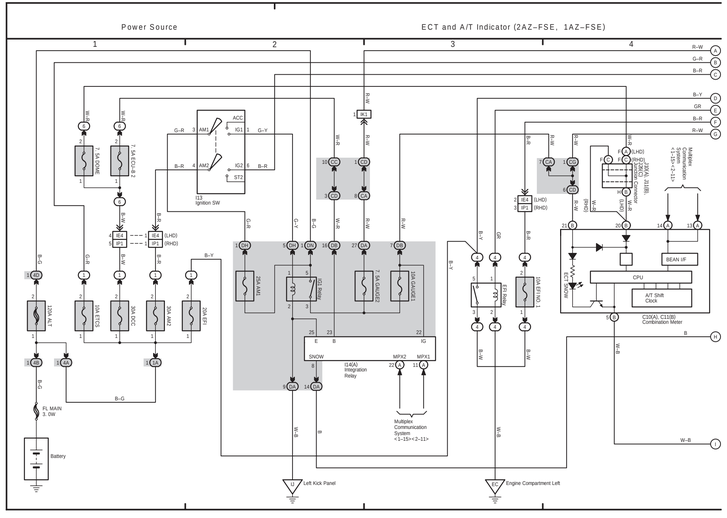
Glow Plug

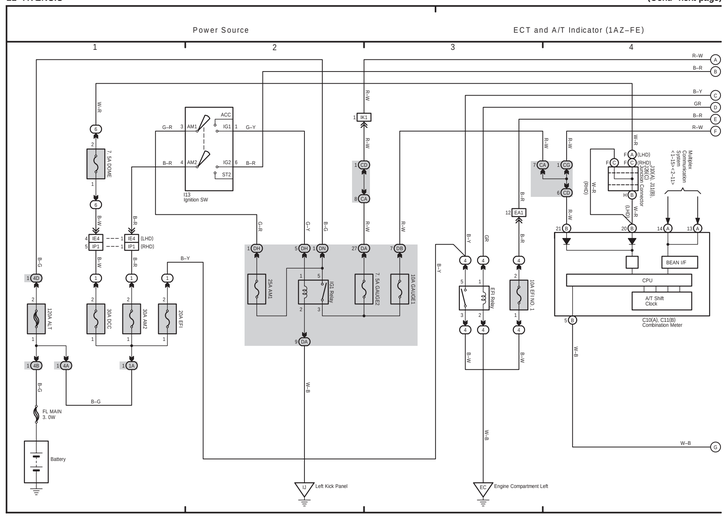
Engine Control (1CD-FTV)

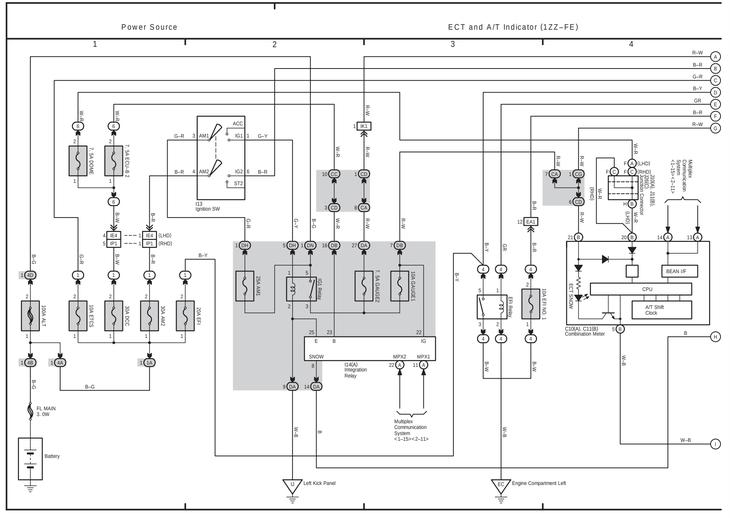
1 2 3 4

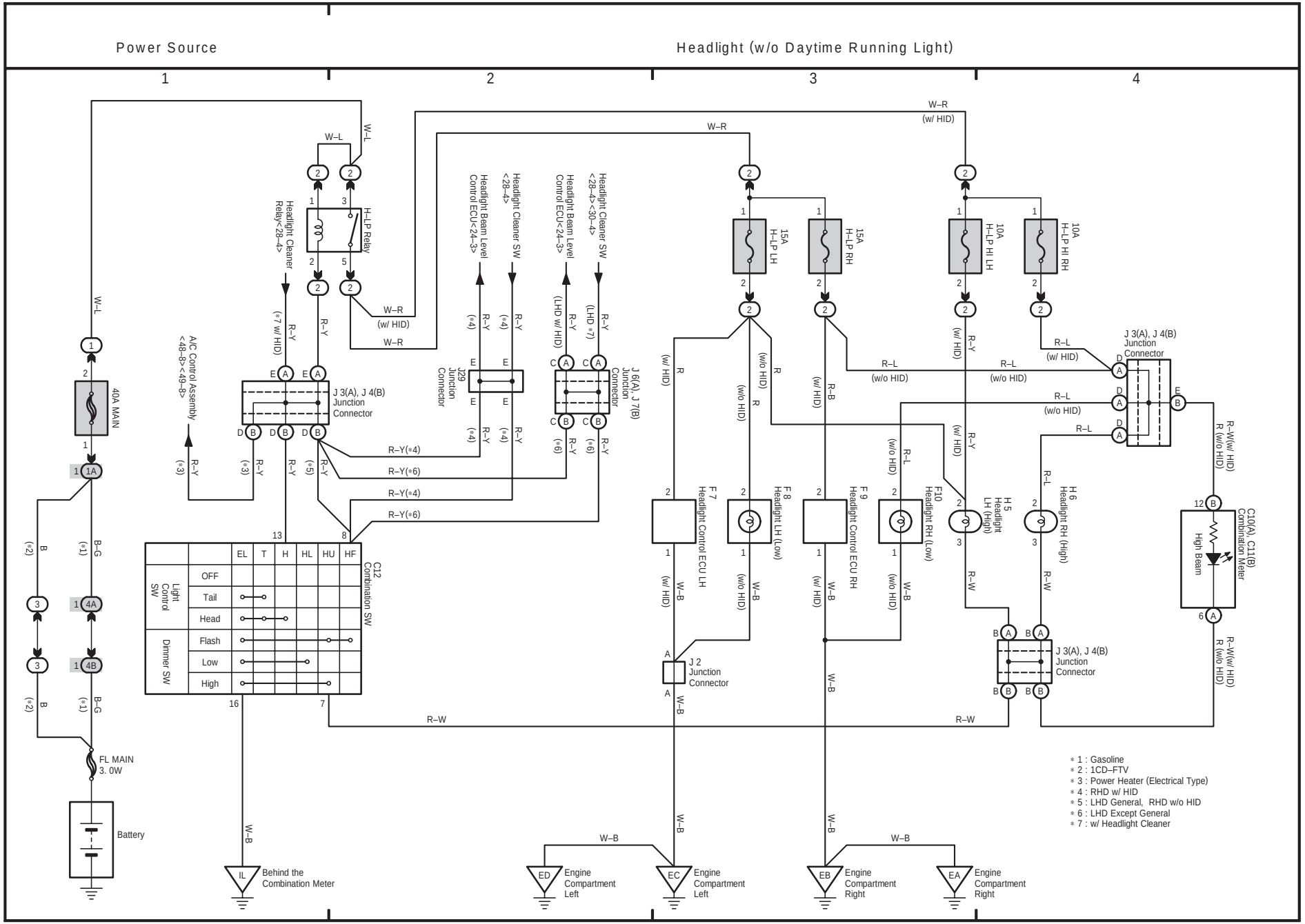



Power Source
Engine Immobilizer System
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : w/ Theft Deterrent
1
2
3
4
W–R
W
B–R
7. 5A ECU–B 1
IE5 (LHD)
IP1 (RHD)
IE4 (LHD)
IP1 (RHD)
AM2
IG2
ST2
I13
Ignition SW
10A IGN
I12
Transponder Key Amplifier
DLC3<5–19><6–15><7–13><8–15>
GND
TXCT
CODE
VC5
GR–R
L–R
Y–G
Y–B
W–G
50A AM1 NO. 1
30A AM2
50A AM1 NO. 1
140A ALT
120A ALT (*3)
100A ALT (*4)
B–W
W–R
IG
+B
AGND
D
T 8
Transponder Key Computer
IND
GND
KSW
CTY
EFII
EFIO
B
W–B
(LHD)
(RHD)
F19
Security Indicator Light
SEC
IMB
E
V
(*5)
Theft Deterrent ECU
<2–8>
CI
CH
CA
Y
R
W
GR
Unlock Warning SW
<1–20><2–17>
Door Courtesy SW Front LH
<1–19>
Door Courtesy SW Front RH
<2–16>
Engine and ECT ECU (A/T)
<5–11><6–11><7–7>
Engine ECU (M/T)
<5–11><6–11><7–7><8–8>
J16
Junction
Connector
FL MAIN
3. 0W
Battery
Right Kick Panel
IP
IL
Behind the
Combination Meter


Power Source
ECT and A/T Indicator (2AZ–FSE, 1AZ–FSE)
1
2
3
4
7.5A DOME
10A ETCS
20A ECU-B
15A HAZ
10A ECU-IG
15A GAUGE2
15A WIPER
15A ECU-IG
ACC
IG1
IG2
ST2
123 Ignition SW
AM1
AM2
STA
SNOW
ELB2
ELB1
ELB3
ELB4
ELB5
ELB6
ELB7
ELB8
ELB9
ELB10
ELB11
ELB12
ELB13
ELB14
ELB15
ELB16
ELB17
ELB18
ELB19
ELB20
ELB21
ELB22
ELB23
ELB24
ELB25
ELB26
ELB27
ELB28
ELB29
ELB30
ELB31
ELB32
ELB33
ELB34
ELB35
ELB36
ELB37
ELB38
ELB39
ELB40
ELB41
ELB42


Power Source
ECT and A/T Indicator (1AZ–FE)
1
2
3
4
7.5A ACC
7.5A IGN
13 Ignition SW
ACC
IG1
IG2
ST2
G–B
B–R
G–Y
B–W
B–Y
R–W
B–G
W–B
G–R
B–R
R–Y
W–R
B–L
G–O
R–B
W–L
L–Y
L–W
R–L
B–O
P–L
P–B
P–G
W–G
R–G
L–G
Y–G
B–G
W–W
B–W
R–W
L–R
L–B
Y–B
G–W
O–B
O–G
O–W
P–R
P–W
P–G
W–B
R–W
B–R
B–Y
GR
R–W
B–R
R–W
B–Y
GR
B–R
R–W
B–R
R–W
B–R
R–W


Power Source
ECT and A/T Indicator (1ZZ–FE)
Battery
FL MAIN 3.0W
ALT
IG1 NO.1 100A
ST NO.2 50A
ACC NO.1 7.5A
AM1 NO.2 7.5A
ECU-IG NO.1 15A
ECU-IG NO.2 7.5A
HEAD (RH) 10A
HEAD (LH) 10A
ECU-B 7.5A
GAUGE 10A
WIPER 25A
DOME 7.5A
ECU-B 10A
ECU-B NO.2 7.5A
ECU-B NO.3 10A
ECU-B NO.4 15A
ECU-B NO.5 10A
ECU-B NO.6 10A
ECU-B NO.7 10A
ECU-B NO.8 10A
ECU-B NO.9 10A
ECU-B NO.10 10A
ECU-B NO.11 10A
ECU-B NO.12 10A
ECU-B NO.13 10A
ECU-B NO.14 10A
ECU-B NO.15 10A
ECU-B NO.16 10A
ECU-B NO.17 10A
ECU-B


Power Source
Headlight (w/o Daytime Running Light)
1
2
3
4
W–L
W–R
(w/ HID)
W–R
W–L
H–LP Relay
Headlight Cleaner Relay<28–4>
Headlight Beam Level Control ECU<24–3>
Headlight Cleaner SW <28–4>
Headlight Beam Level Control ECU<24–3>
Headlight Cleaner SW <28–4><30–4>
15A H–LP LH
15A H–LP RH
10A H–LP HI LH
10A H–LP HI RH
40A MAIN
A/C Control Assembly <48–8><49–8>
J 3(A), J 4(B) Junction Connector
J29 Junction Connector
J 6(A), J 7(B) Junction Connector
J 3(A), J 4(B) Junction Connector
R–Y
R–L
R–W
R–Y(*4)
R–Y(*6)
R–Y(*4)
R–Y(*6)
C12 Combination SW
EL
T
H
HL
HU
HF
Light Control SW
Dimmer SW
OFF
Tail
Head
Flash
Low
High
F 7 Headlight Control ECU LH
F 8 Headlight LH (Low)
F 9 Headlight Control ECU RH
F10 Headlight RH (Low)
H 5 Headlight LH (High)
H 6 Headlight RH (High)
C10(A), C11(B) Combination Meter
High Beam
J 2 Junction Connector
J 3(A), J 4(B) Junction Connector
W–B
R–W
FL MAIN 3. 0W
Battery
IL
Behind the Combination Meter
ED
Engine Compartment Left
EC
Engine Compartment Left
EB
Engine Compartment Right
EA
Engine Compartment Right
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : Power Heater (Electrical Type)
* 4 : RHD w/ HID
* 5 : LHD General, RHD w/o HID
* 6 : LHD Except General
* 7 : w/ Headlight Cleaner

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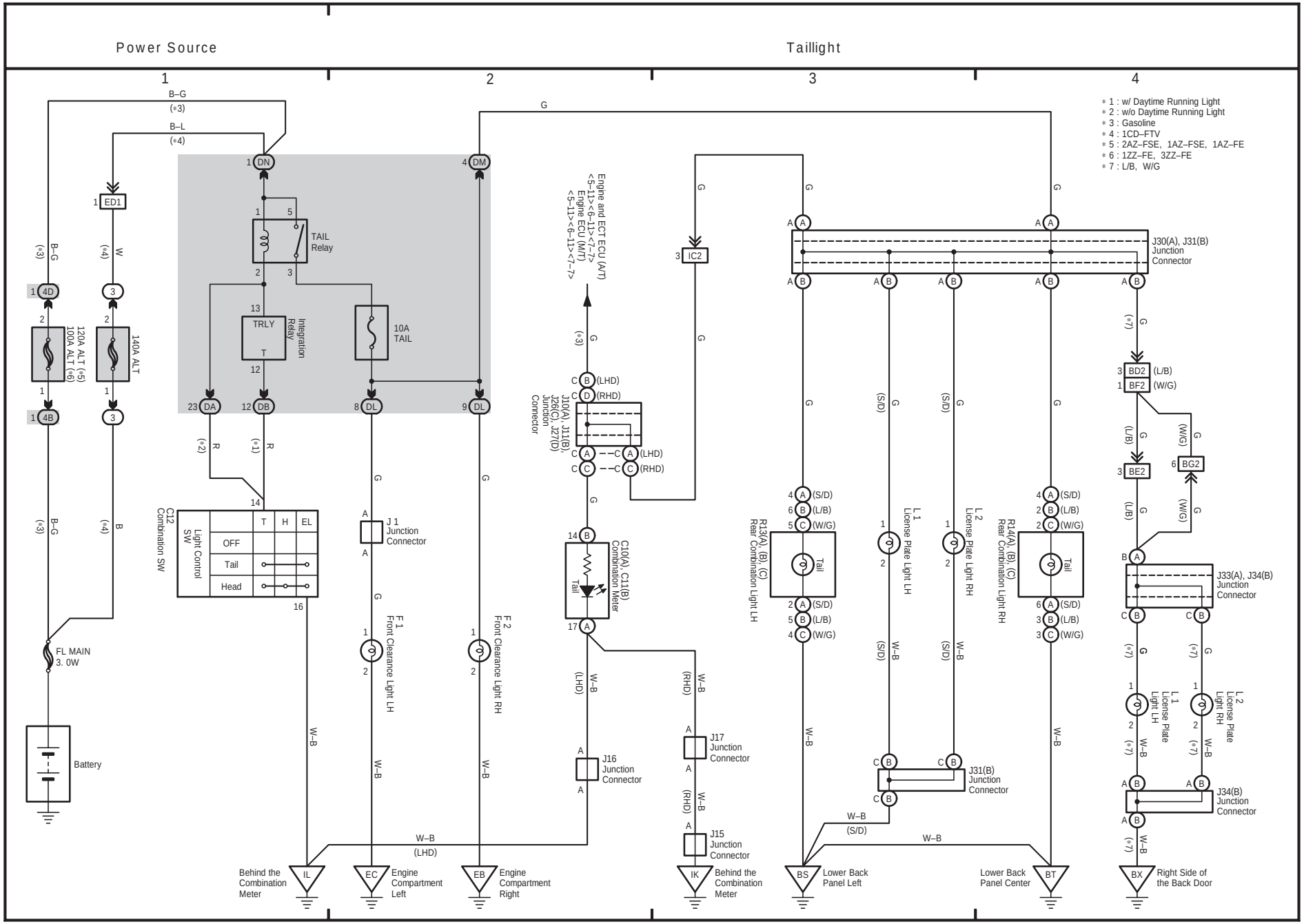
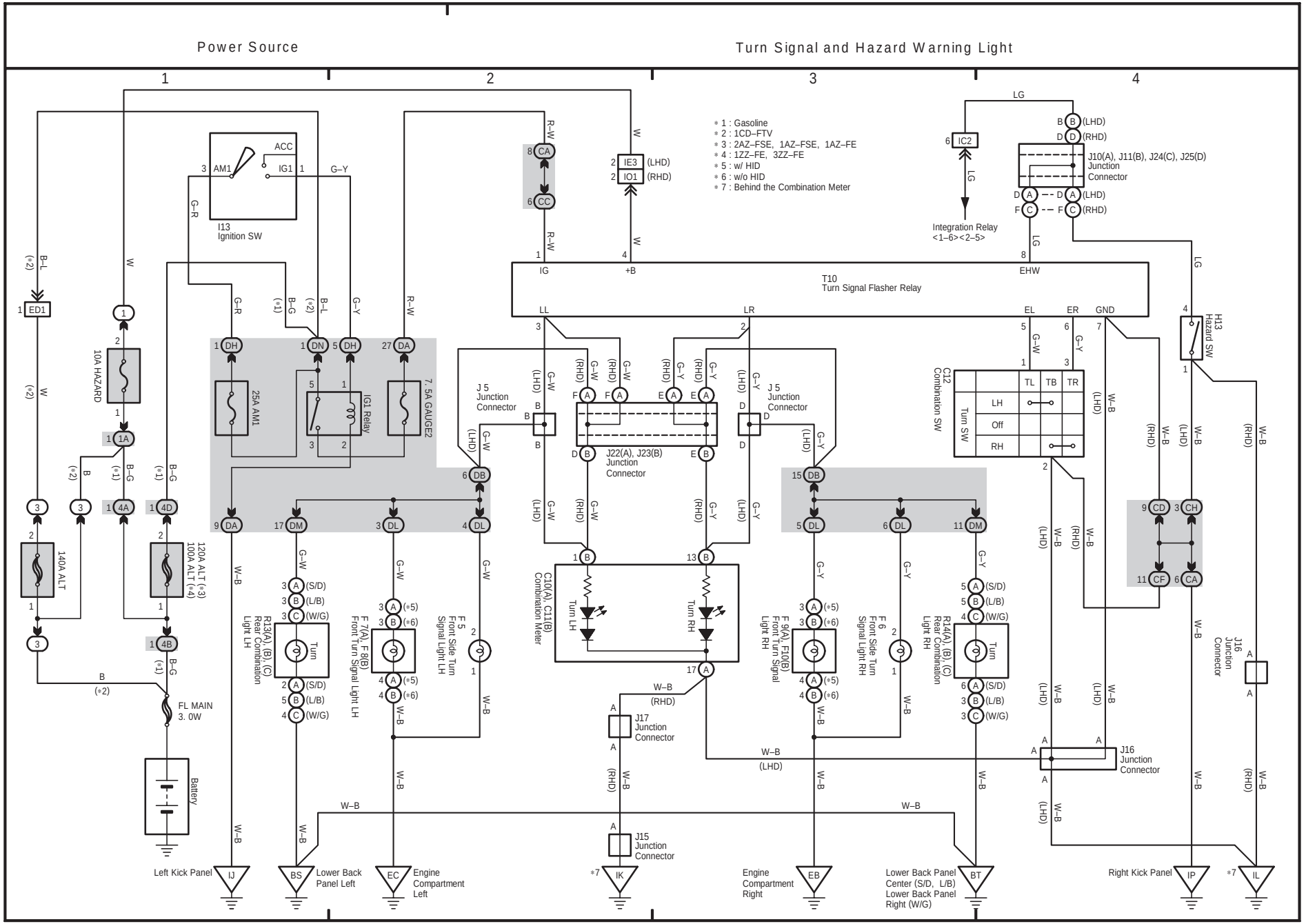

Power Source
Taillight
1
2
3
4
* 1 : w/ Daytime Running Light
* 2 : w/o Daytime Running Light
* 3 : Gasoline
* 4 : 1CD–FTV
* 5 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 6 : 1ZZ–FE, 3ZZ–FE
* 7 : L/B, W/G
B–G (*3)
B–L (*4)
TAIL Relay
TRLY
Integration Relay
10A TAIL
120A ALT (*5)
100A ALT (*6)
140A ALT
FL MAIN 3. 0W
Battery
C12 Combination SW
Light Control SW
OFF
Tail
Head
T
H
EL
J 1 Junction Connector
F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
Engine and ECT ECU (A/T) <5–1><6–1><7–7>
Engine ECU (M/T) <5–1><6–1><7–7>
J10(A), J11(B), J26(C), J27(D) Junction Connector
C10(A), C11(B) Combination Meter
J16 Junction Connector
J17 Junction Connector
J15 Junction Connector
J30(A), J31(B) Junction Connector
R13(A), (B), (C) Rear Combination Light LH
R14(A), (B), (C) Rear Combination Light RH
L 1 License Plate Light LH
L 2 License Plate Light RH
J31(B) Junction Connector
J33(A), J34(B) Junction Connector
J34(B) Junction Connector
Behind the Combination Meter
Engine Compartment Left
Engine Compartment Right
Lower Back Panel Left
Lower Back Panel Center
Right Side of the Back Door


Power Source
Turn Signal and Hazard Warning Light
1
2
3
4
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : w/ HID
* 6 : w/o HID
* 7 : Behind the Combination Meter
I13 Ignition SW
ACC
AM1
IG1
T10 Turn Signal Flasher Relay
IG
+B
EHW
LL
LR
EL
ER
GND
Integration Relay <1–6><2–5>
IC2
J10(A), J11(B), J24(C), J25(D) Junction Connector
H13 Hazard SW
C12 Combination SW
Turn SW
TL
TB
TR
LH
Off
RH
IE3 (LHD)
IO1 (RHD)
10A HAZARD
25A AM1
IG1 Relay
7.5A GAUGE2
140A ALT
120A ALT (*3)
100A ALT (*4)
FL MAIN 3. 0W
Battery
J5 Junction Connector
J22(A), J23(B) Junction Connector
C10(A), C11(B) Combination Meter
Turn LH
Turn RH
J17 Junction Connector
J15 Junction Connector
J16 Junction Connector
R13(A), (B), (C) Rear Combination Light LH
F 5 Front Side Turn Signal Light LH
F 7(A), F 8(B) Front Turn Signal Light LH
F 9(A), F10(B) Front Turn Signal Light RH
F 6 Front Side Turn Signal Light RH
R14(A), (B), (C) Rear Combination Light RH
Left Kick Panel
Lower Back Panel Left
Engine Compartment Left
Engine Compartment Right
Lower Back Panel Center (S/D, L/B) Lower Back Panel Right (W/G)
Right Kick Panel

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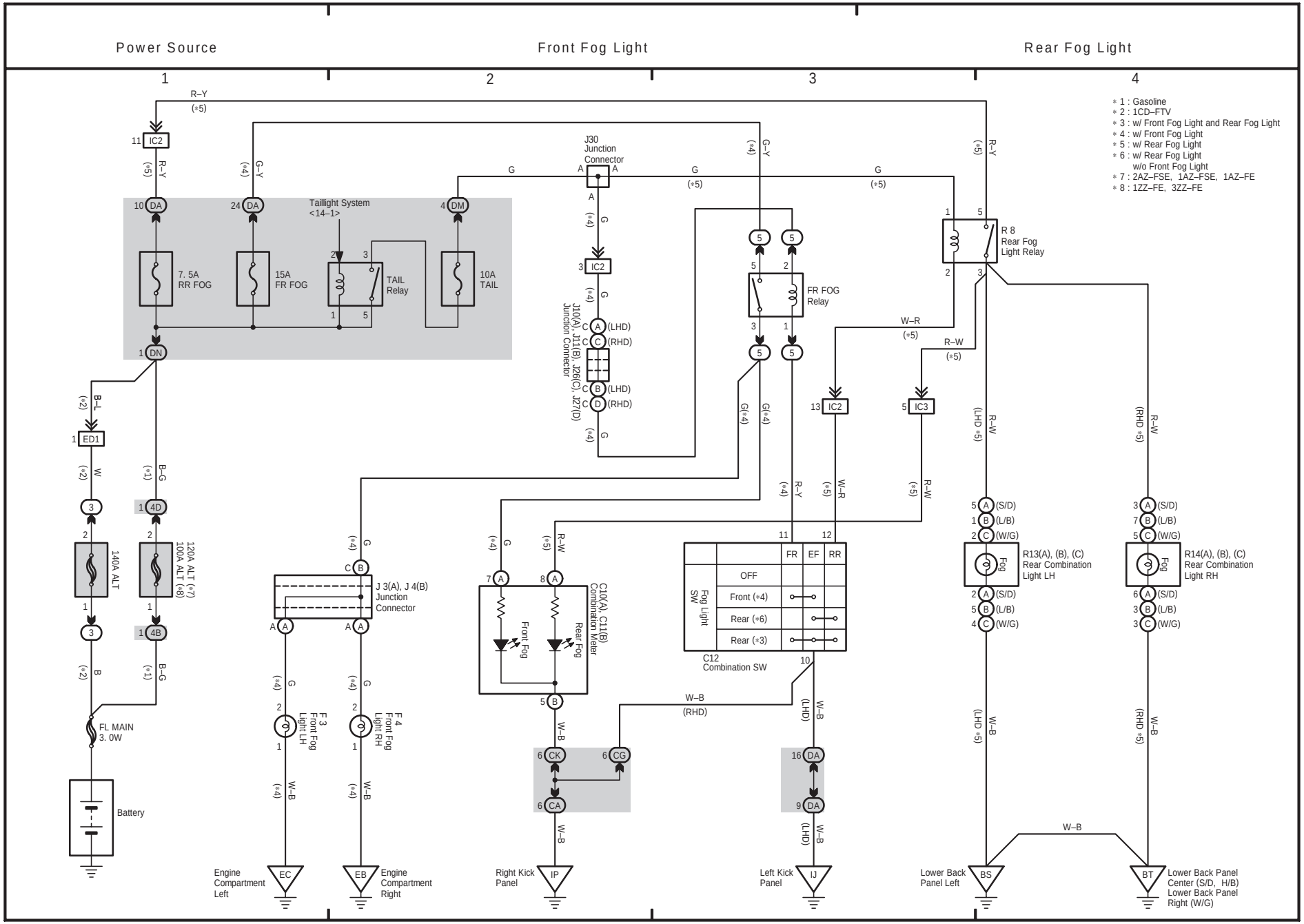
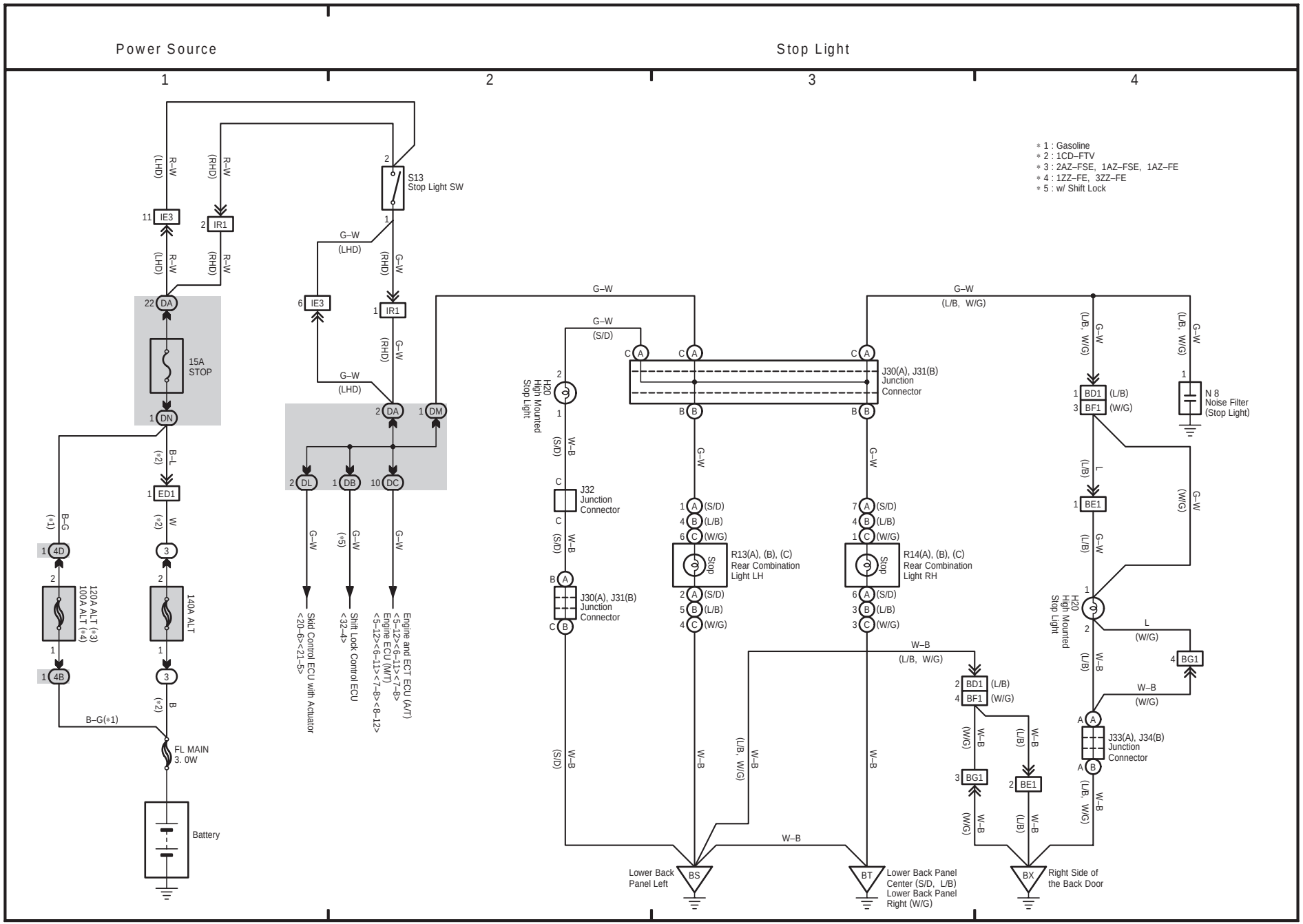

Power Source
Front Fog Light
Rear Fog Light
1
2
3
4
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : w/ Front Fog Light and Rear Fog Light
* 4 : w/ Front Fog Light
* 5 : w/ Rear Fog Light
* 6 : w/ Rear Fog Light w/o Front Fog Light
* 7 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 8 : 1ZZ–FE, 3ZZ–FE
R–Y (*5)
11 IC2
10 DA
24 DA
4 DM
Taillight System <14–1>
7. 5A RR FOG
15A FR FOG
TAIL Relay
10A TAIL
1 DN
J30 Junction Connector
3 IC2
J10(A), J11(B), J26(C), J27(D) Junction Connector
(LHD)
(RHD)
FR FOG Relay
R 8 Rear Fog Light Relay
W–R (*5)
R–W (*5)
13 IC2
5 IC3
B–L (*2)
1 ED1
W (*2)
B–G (*1)
1 4D
1 4B
140A ALT
120A ALT (*7)
100A ALT (*8)
FL MAIN 3. 0W
Battery
J 3(A), J 4(B) Junction Connector
F 3 Front Fog Light LH
F 4 Front Fog Light RH
C10(A), C11(B) Combination Meter
Front Fog
Rear Fog
C12 Combination SW
Fog Light SW
FR EF RR
OFF
Front (*4)
Rear (*6)
Rear (*3)
W–B (RHD)
W–B (LHD)
6 CK
6 CG
6 CA
16 DA
9 DA
R–W (LHD *5)
R–W (RHD *5)
R13(A), (B), (C) Rear Combination Light LH
R14(A), (B), (C) Rear Combination Light RH
(S/D)
(L/B)
(W/G)
Fog
W–B (LHD *5)
W–B (RHD *5)
W–B
Engine Compartment Left
EC
Engine Compartment Right
EB
Right Kick Panel
IP
Left Kick Panel
IJ
Lower Back Panel Left
BS
Lower Back Panel Center (S/D, H/B)
Lower Back Panel Right (W/G)
BT


Power Source
Stop Light
1
2
3
4
∗ 1 : Gasoline
∗ 2 : 1CD–FTV
∗ 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
∗ 4 : 1ZZ–FE, 3ZZ–FE
∗ 5 : w/ Shift Lock
S13
Stop Light SW
15A
STOP
120A ALT (∗3)
100A ALT (∗4)
140A ALT
FL MAIN
3. 0W
Battery
H20
High Mounted
Stop Light
J32
Junction
Connector
J30(A), J31(B)
Junction
Connector
R13(A), (B), (C)
Rear Combination
Light LH
R14(A), (B), (C)
Rear Combination
Light RH
N 8
Noise Filter
(Stop Light)
J33(A), J34(B)
Junction
Connector
Skid Control ECU with Actuator
<20–6><21–5>
Shift Lock Control ECU
<32–4>
Engine and ECT ECU (A/T)
<5–12><6–11><7–8>
Engine ECU (M/T)
<5–12><6–11><7–8><8–12>
Lower Back
Panel Left
Lower Back Panel
Center (S/D, L/B)
Lower Back Panel
Right (W/G)
Right Side of
the Back Door

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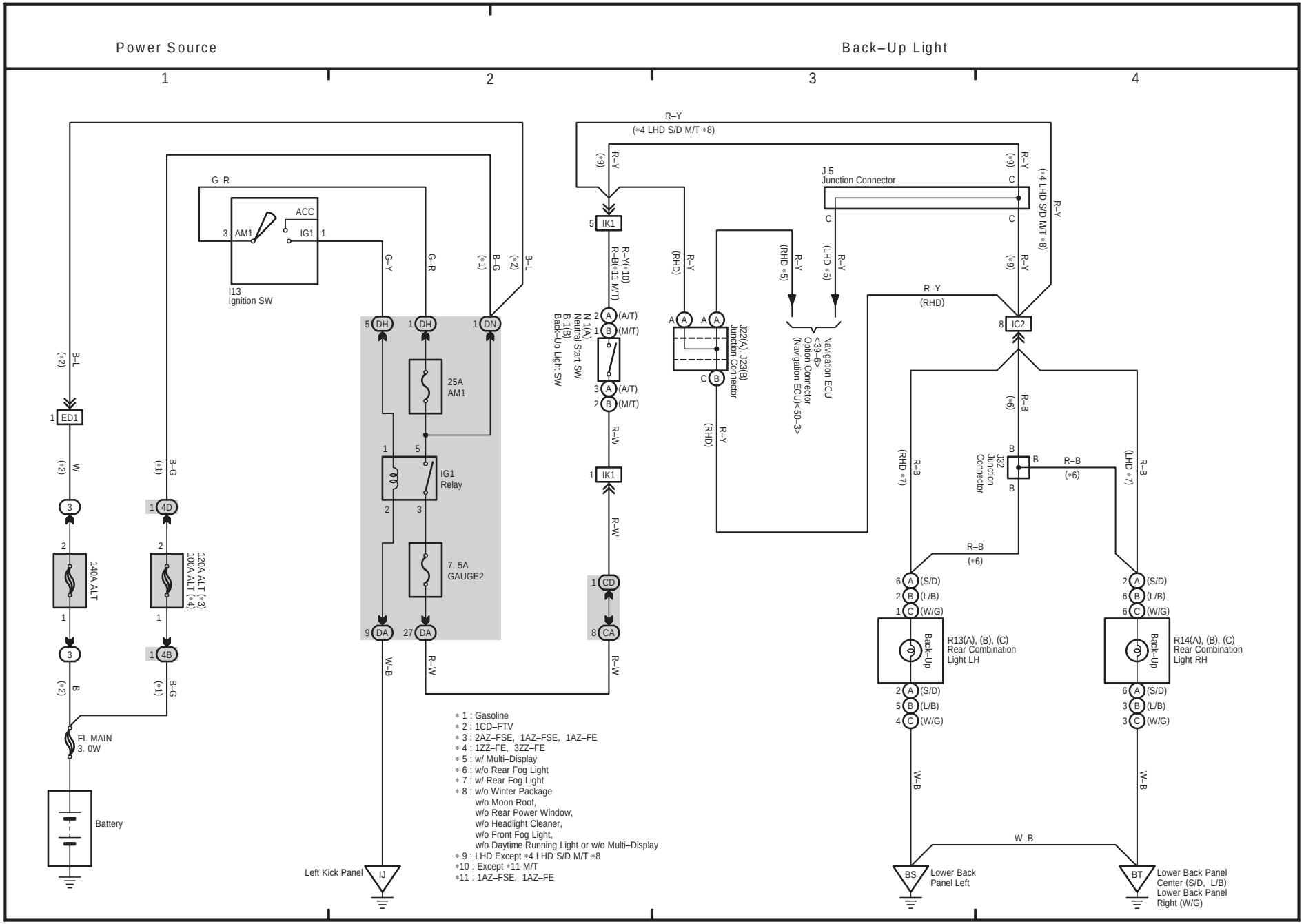
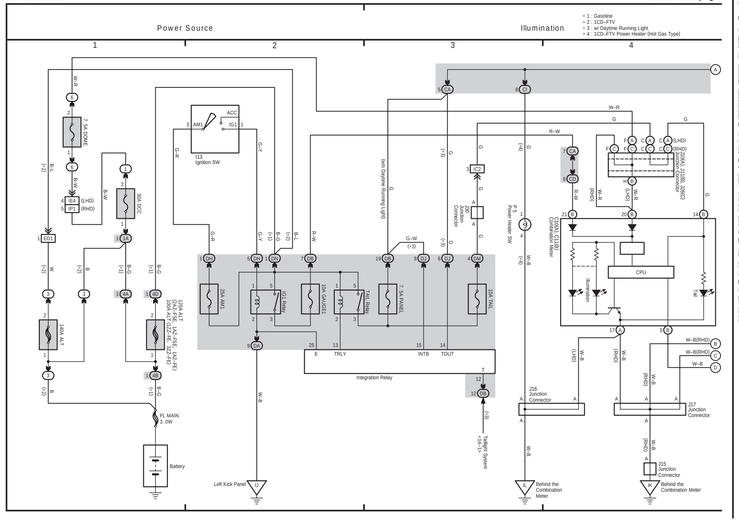
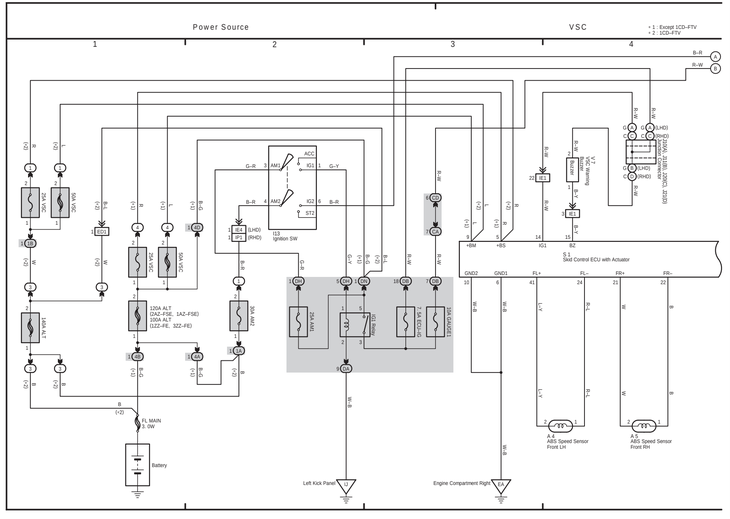
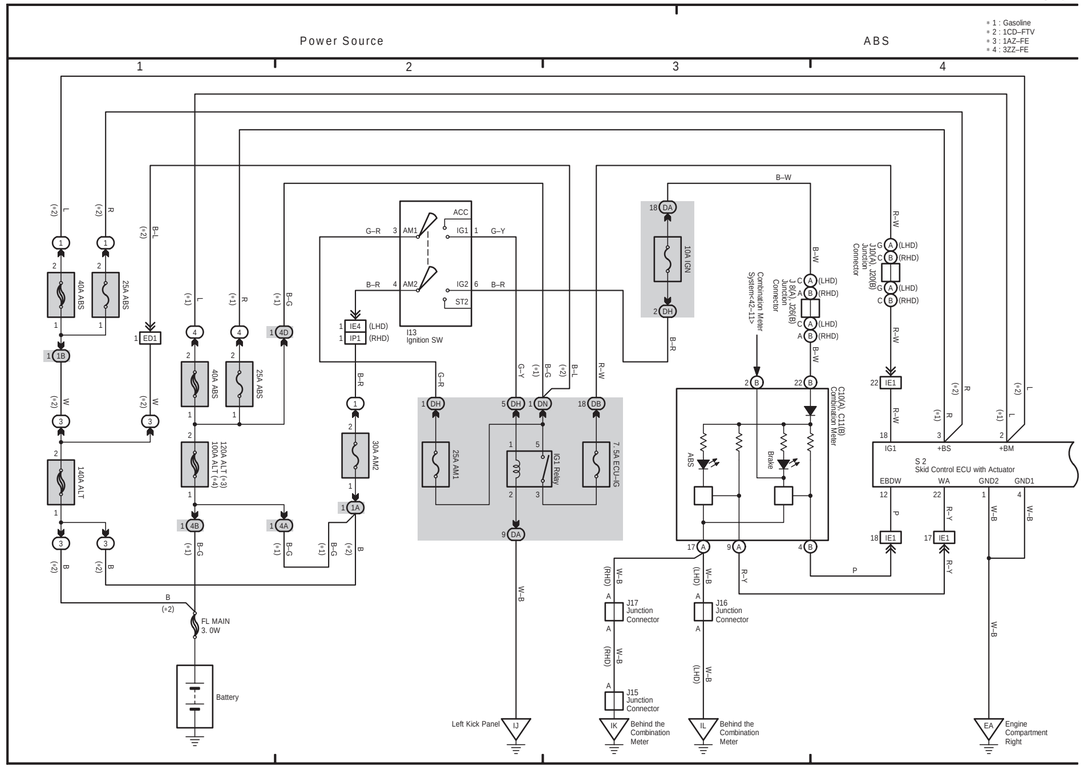
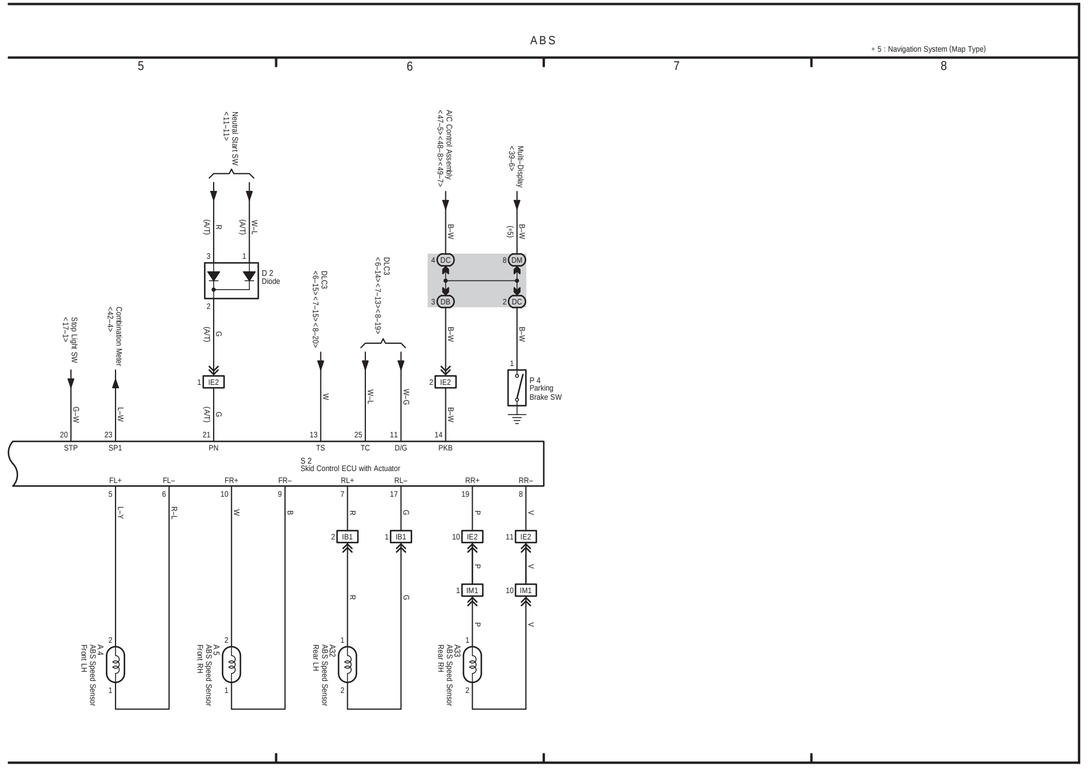

Power Source
Back–Up Light
1
2
3
4
G–R
ACC
3 AM1
IG1 1
I13
Ignition SW
G–Y
G–R
B–G (*1)
B–L (*2)
1 ED1
B–L (*2)
W (*2)
3
2
140A ALT
1
3
B (*2)
FL MAIN
3. 0W
Battery
1 4D
B–G (*1)
2
120A ALT (*3)
100A ALT (*4)
1
1 4B
B–G (*1)
5 DH
1 DH
1 DN
25A
AM1
1
5
IG1
Relay
2
3
7. 5A
GAUGE2
9 DA
27 DA
W–B
R–W
Left Kick Panel
IJ
R–Y
(*4 LHD S/D M/T *8)
(*9)
5 IK1
R–Y (*10)
R–B (*11 M/T)
2 A (A/T)
1 B (M/T)
N 1(A)
B 1(B)
Neutral Start SW
Back–Up Light SW
3 A (A/T)
2 B (M/T)
R–W
1 IK1
R–W
1 CD
8 CA
R–W
R–Y
(RHD)
A A A
J22(A), J23(B)
Junction Connector
C B
R–Y
(RHD)
R–Y
(RHD *5)
Navigation ECU
<39–6>
Option Connector
(Navigation ECU)<50–3>
R–Y
(LHD *5)
J 5
Junction Connector
C
C
C
R–Y
(*9)
R–Y
(*4 LHD S/D M/T *8)
R–Y
(RHD)
8 IC2
R–B
(*6)
B
B
J32
Junction
Connector
B
B
R–B
(*6)
R–B
(RHD *7)
R–B
(LHD *7)
R–B
(*6)
6 A (S/D)
2 B (L/B)
1 C (W/G)
Back–Up
R13(A), (B), (C)
Rear Combination
Light LH
2 A (S/D)
5 B (L/B)
4 C (W/G)
2 A (S/D)
6 B (L/B)
6 C (W/G)
Back–Up
R14(A), (B), (C)
Rear Combination
Light RH
6 A (S/D)
3 B (L/B)
3 C (W/G)
W–B
W–B
W–B
BS
Lower Back
Panel Left
BT
Lower Back Panel
Center (S/D, L/B)
Lower Back Panel
Right (W/G)
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : w/ Multi–Display
* 6 : w/o Rear Fog Light
* 7 : w/ Rear Fog Light
* 8 : w/o Winter Package
w/o Moon Roof,
w/o Rear Power Window,
w/o Headlight Cleaner,
w/o Front Fog Light,
w/o Daytime Running Light or w/o Multi–Display
* 9 : LHD Except *4 LHD S/D M/T *8
*10 : Except *11 M/T
*11 : 1AZ–FSE, 1AZ–FE

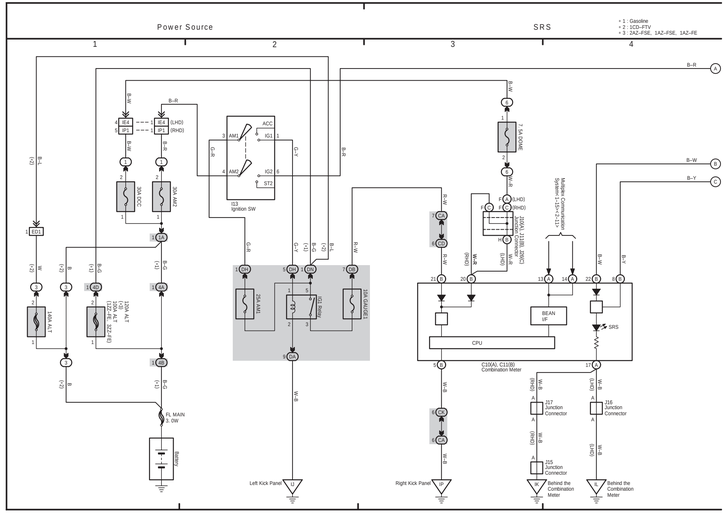

Power Source
Illumination
1
2
3
4
* 1 : Gasoline
* 2 : 1CD-FTV
* 3 : w/ Daytime Running Light
* 4 : 1CD-FTV Power Heater (Hot Gas Type)
ACC
IG1
AM1
I13
Ignition SW
I14
Starter Relay
I15
Starter Relay
I16
Starter Relay
I17
Starter Relay
I18
Starter Relay
I19
Starter Relay
I20
Starter Relay
I21
Starter Relay
I22
Starter Relay
I23
Starter Relay
I24
Starter Relay
I25
Starter Relay
I26
Starter Relay

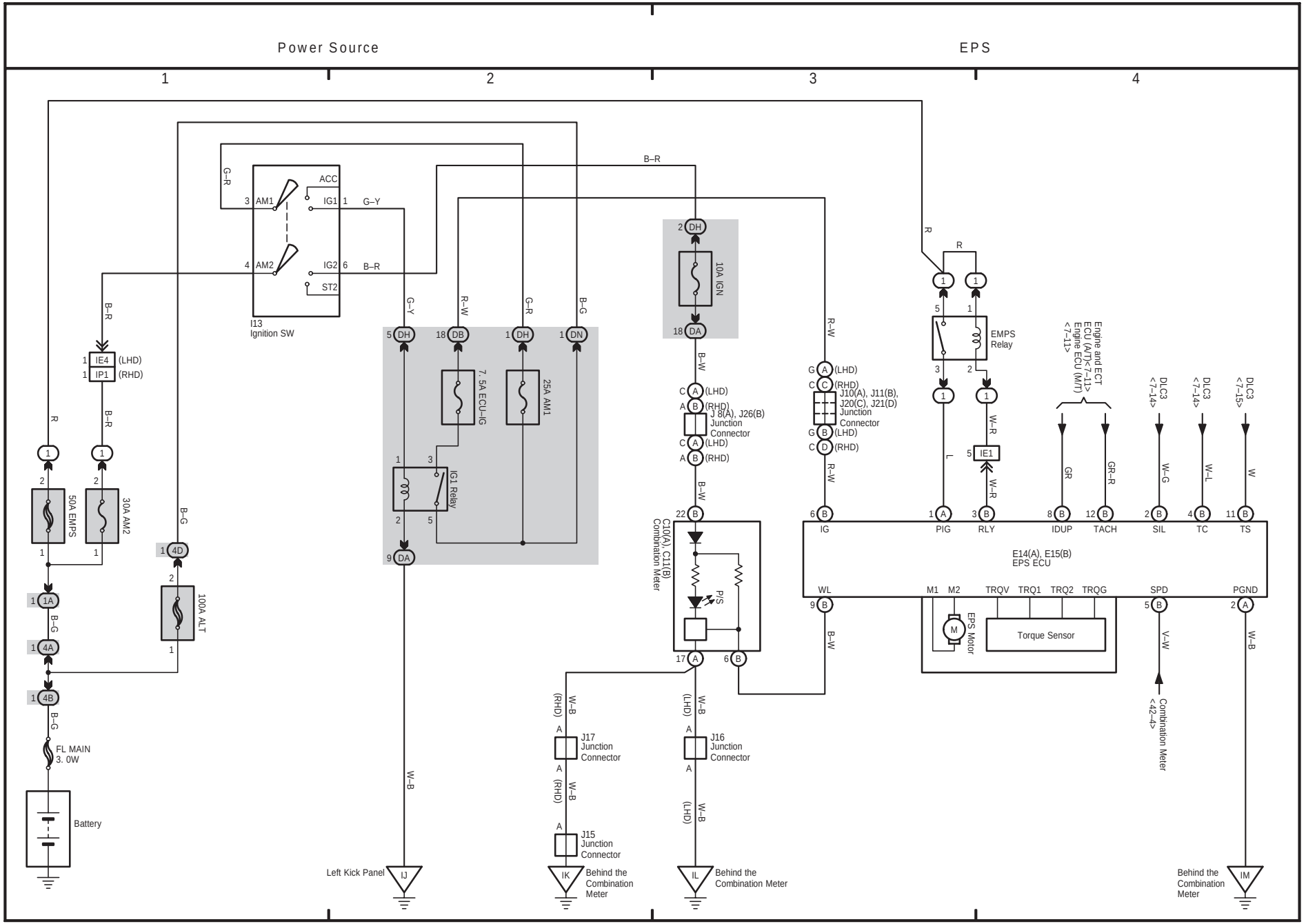

Power Source
VSC
1
2
3
4
• 1 : Except 1CD-FTV
• 2 : 1CD-FTV
B-R
R-W
ACC
IG1
IG2
ST2
G-R
G-Y
B-B
I13
Ignition SW
ST2
IG1
IG2
ACC
AM1
AM2
50A ABS
50A VSC
30A VSC
30A ALT
120A ALT
(2AZ-FSE, 1AZ-FSE)
100A ALT
(1ZZ-FE, 3ZZ-FE)
50A ALT
40A HTR
30A RDI
30A ECU-IG
20A ECU-B
10A ECU-B2
10A STOP
10A GAUGE
10A ECU-IG2
10A AM2
10A ABS
10A VSC
10A ALT
10A HTR
10A RDI
10A STOP
10A GAUGE
10A ECU-IG2
10A AM2
B
(+2)
FL MAIN
2.0W
Battery
Left Kick Panel
Engine Compartment Right
+BM
+BS
IG1
IB2
S 1
Skid Control ECU with Actuator
GND2
GND1
FL+
FL-
FR+
FR-
ABS Speed Sensor Front LH
ABS Speed Sensor Front RH
Rear Wiper Motor
Rear Wiper Motor Assembly
Rear Wiper Motor Assembly
Rear Wiper Motor Assembly

(Cont. next page)






Power Source
SRS
1
2
3
4
* 1 : Gasoline
* 2 : 1GD-FTV
* 3 : 1AZ-FSE, 1AZ-FSE, 1AZ-FE
B-R
B-W
B-Y
ACC
IG1
IG2
ST2
AM1
AM2
IG1
IG2
ST2
ACC
IG1
IG2
ST2
AM1
AM2
IG1
IG2
ST2
IG3 Ignition SW
ECU-IG
ECU-B
EFI
ETCS
ECU-IG
ECU-B
EFI
ETCS
ECU-IG
ECU-B
EFI
ETCS


Power Source
EPS
1
2
3
4
ACC
AM1
AM2
IG1
IG2
ST2
I13
Ignition SW
G–R
G–Y
B–R
R–W
B–G
B–W
R
W–B
W–R
L
GR
GR–R
W–G
W–L
W
V–W
IE4 (LHD)
IP1 (RHD)
IE1
50A EMPS
30A AM2
100A ALT
7. 5A ECU–IG
25A AM1
IG1 Relay
10A IGN
EMPS Relay
1A
4A
4B
4D
FL MAIN
3. 0W
Battery
Left Kick Panel
IJ
J17 Junction Connector
J15 Junction Connector
IK
Behind the Combination Meter
J16 Junction Connector
IL
Behind the Combination Meter
J10(A), J11(B), J20(C), J21(D) Junction Connector
J 8(A), J26(B) Junction Connector
C10(A), C11(B) Combination Meter
P/S
E14(A), E15(B) EPS ECU
IG
PIG
RLY
IDUP
TACH
SIL
TC
TS
WL
M1
M2
TRQV
TRQ1
TRQ2
TRQG
SPD
PGND
EPS Motor
Torque Sensor
Engine and ECT ECU (A/T)<7–11> Engine ECU (M/T) <7–11>
DLC3 <7–14>
DLC3 <7–14>
DLC3 <7–15>
Combination Meter <42–4>
Behind the Combination Meter
IM

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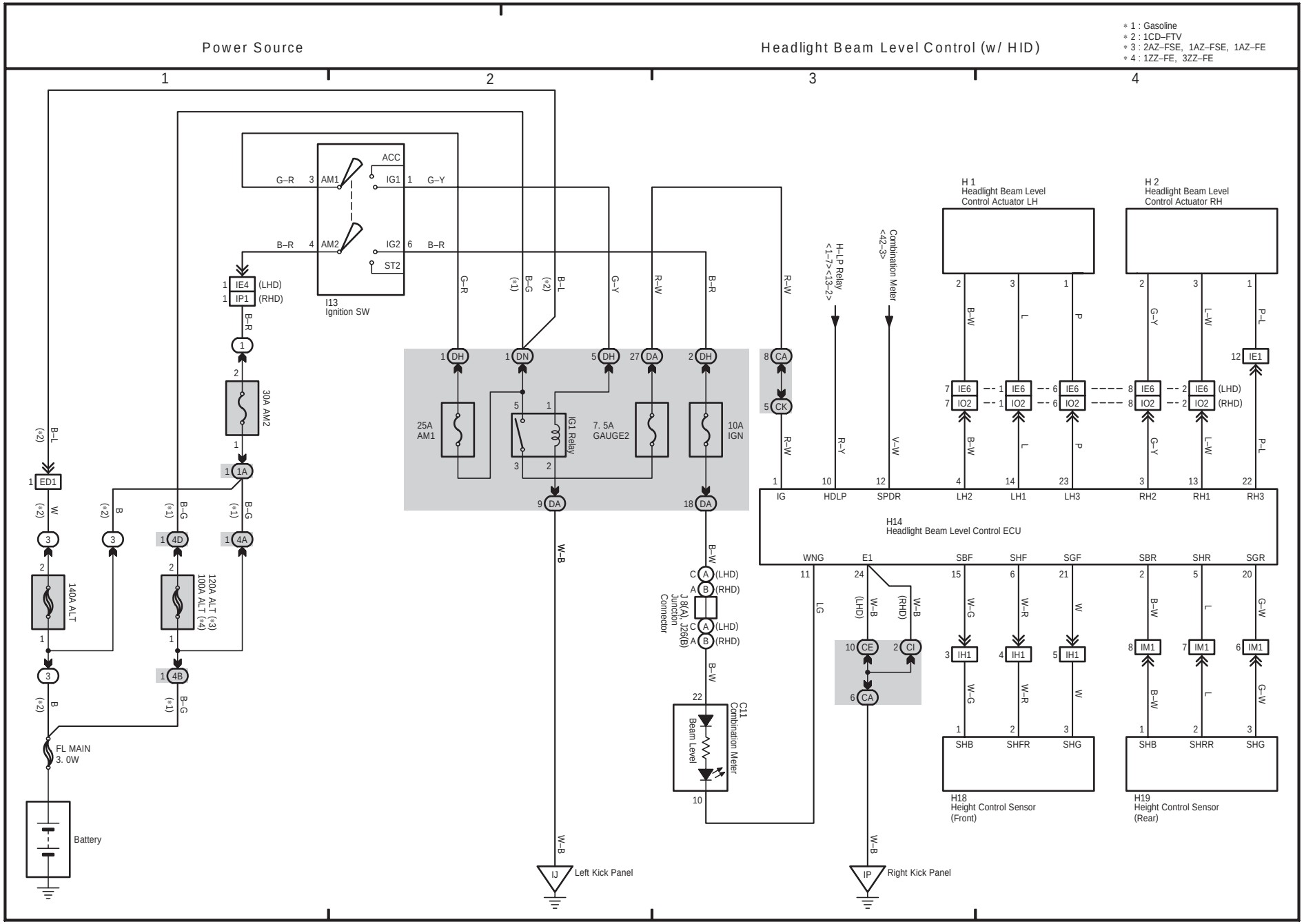
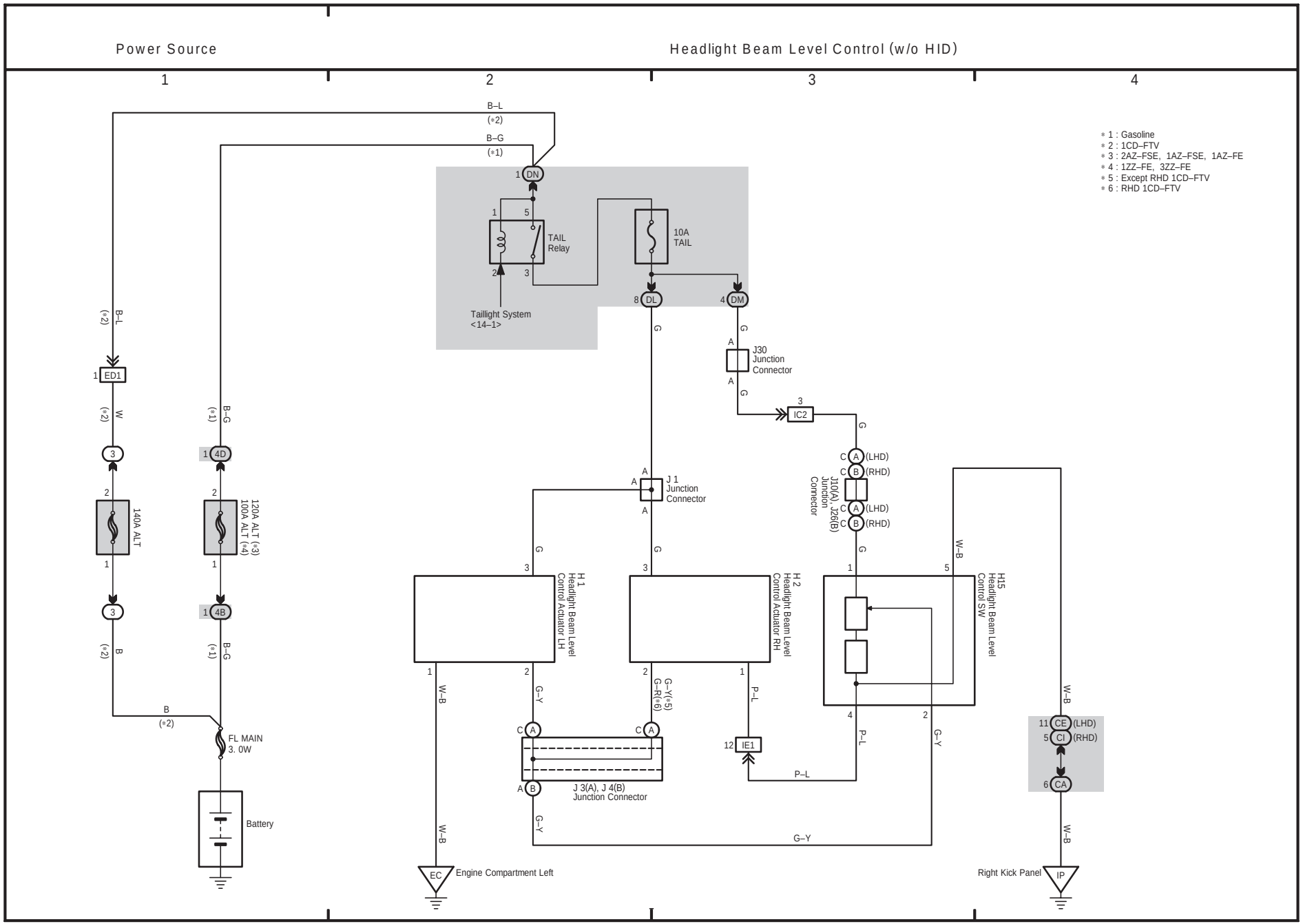
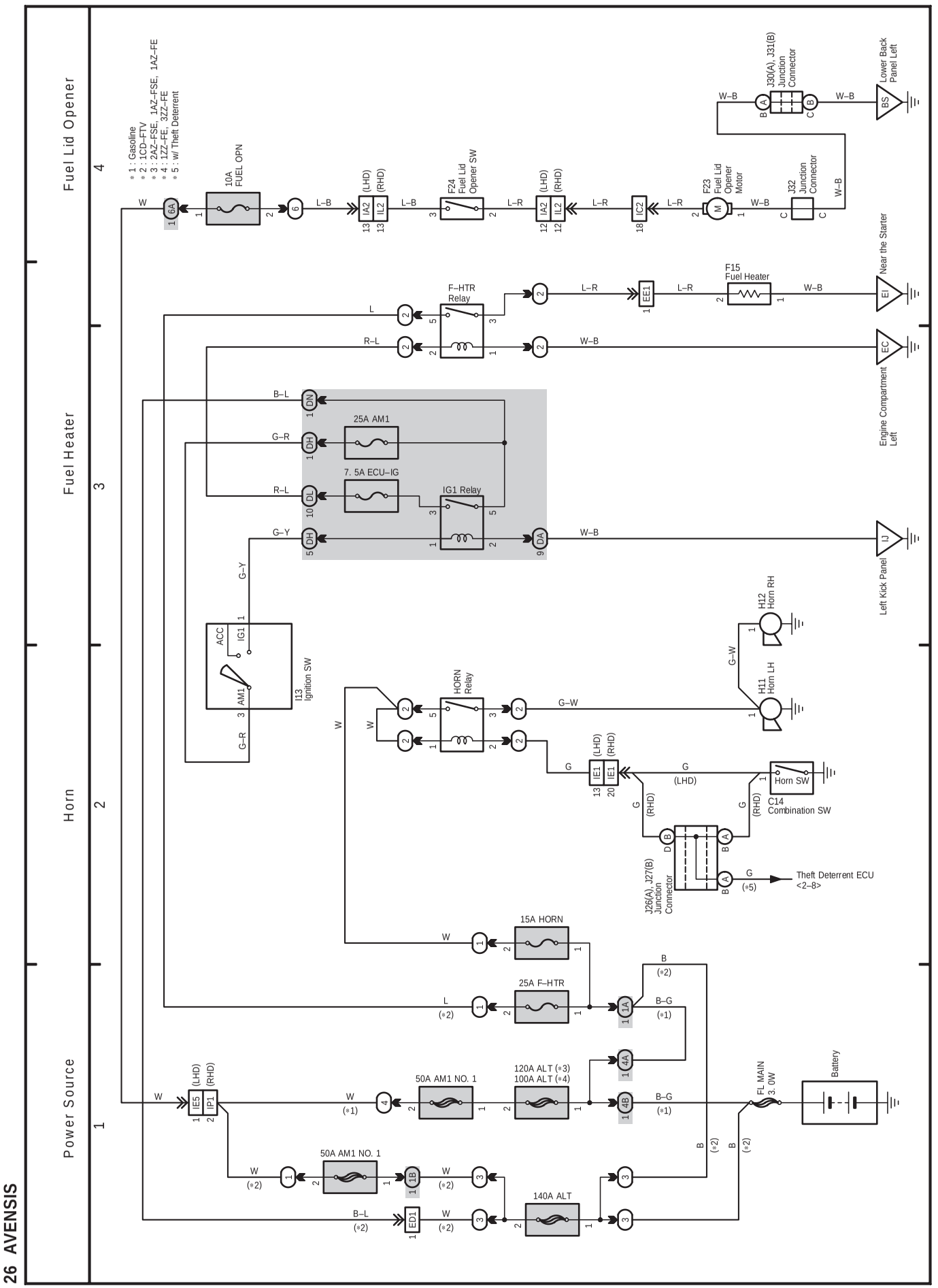
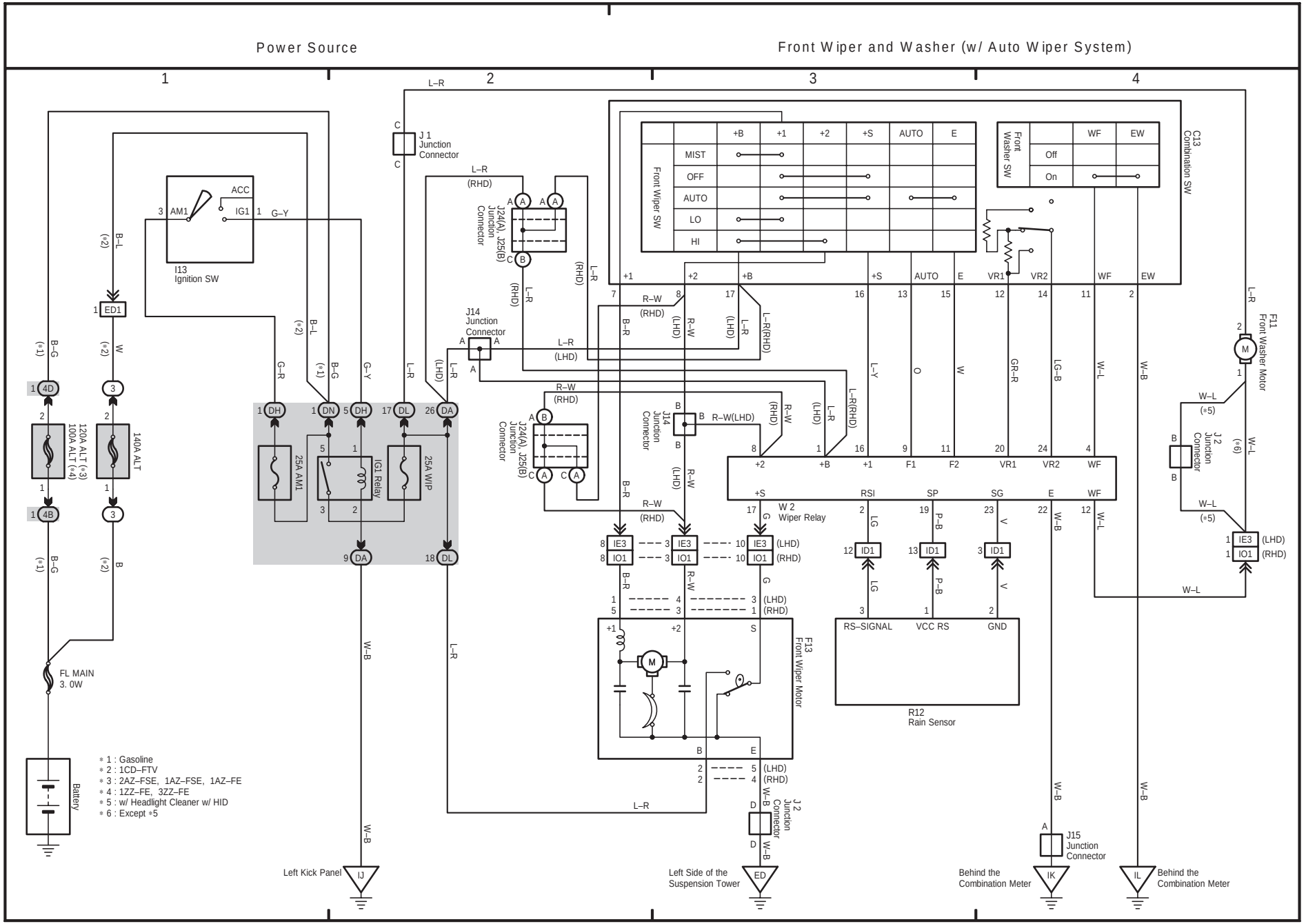

Power Source
Headlight Beam Level Control (w/ HID)
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
1
2
3
4
ACC
IG1
ST2
AM1
AM2
I13
Ignition SW
IE4 (LHD)
IP1 (RHD)
30A AM2
25A AM1
IG1 Relay
7. 5A GAUGE2
10A IGN
H-LP Relay <1–7><13–2>
Combination Meter <42–3>
H 1
Headlight Beam Level Control Actuator LH
H 2
Headlight Beam Level Control Actuator RH
IE6
IO2
IE1
H14
Headlight Beam Level Control ECU
IG
HDLP
SPDR
LH2
LH1
LH3
RH2
RH1
RH3
WNG
E1
SBF
SHF
SGF
SBR
SHR
SGR
IH1
IM1
SHB
SHFR
SHG
SHRR
H18
Height Control Sensor (Front)
H19
Height Control Sensor (Rear)
ED1
140A ALT
120A ALT (*3)
100A ALT (*4)
4A
4B
4D
FL MAIN
3. 0W
Battery
J8(A), J26(B) Junction Connector
C11
Combination Meter
Beam Level
IJ
Left Kick Panel
IP
Right Kick Panel


Power Source
Headlight Beam Level Control (w/o HID)
1
2
3
4
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : Except RHD 1CD–FTV
* 6 : RHD 1CD–FTV
B–L (*2)
B–G (*1)
1 DN
TAIL Relay
10A TAIL
Taillight System <14–1>
8 DL
4 DM
J30 Junction Connector
3 IC2
1 ED1
4D
4B
140A ALT
120A ALT (*3) 100A ALT (*4)
FL MAIN 3. 0W
Battery
J 1 Junction Connector
H 1 Headlight Beam Level Control Actuator LH
H 2 Headlight Beam Level Control Actuator RH
J 3(A), J 4(B) Junction Connector
J10(A), J26(B) Junction Connector
(LHD)
(RHD)
H15 Headlight Beam Level Control SW
12 IE1
11 CE (LHD)
5 CI (RHD)
6 CA
EC Engine Compartment Left
IP Right Kick Panel
W–B
G
G–Y
G–Y(*5)
G–R(*6)
P–L
B


Fuel Lid Opener
Fuel Heater
Horn
Power Source
1
2
3
4
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : w/ Theft Deterrent
10A FUEL OPN
F24 Fuel Lid Opener SW
F23 Fuel Lid Opener Motor
J32 Junction Connector
J30(A), J31(B) Junction Connector
Lower Back Panel Left
F–HTR Relay
F15 Fuel Heater
Near the Starter
Engine Compartment Left
25A AM1
7. 5A ECU–IG
IG1 Relay
Left Kick Panel
H12 Horn RH
H11 Horn LH
HORN Relay
I13 Ignition SW
Horn SW
C14 Combination SW
J26(A), J27(B) Junction Connector
Theft Deterrent ECU <2–8>
15A HORN
25A F–HTR
50A AM1 NO. 1
120A ALT (*3) 100A ALT (*4)
140A ALT
FL MAIN 3. 0W
Battery


Power Source
Front Wiper and Washer (w/ Auto Wiper System)
1
2
3
4
J 1 Junction Connector
I13 Ignition SW
ACC
AM1
IG1
ED1
4D
4B
120A ALT (*3)
100A ALT (*4)
140A ALT
FL MAIN
3. 0W
Battery
25A AM1
IG1 Relay
25A WIP
DH
DN
DA
DL
J24(A), J25(B) Junction Connector
J14 Junction Connector
Front Wiper SW
MIST
OFF
AUTO
LO
HI
Front Washer SW
Off
On
C13 Combination SW
W 2 Wiper Relay
IE3
IO1
(LHD)
(RHD)
F13 Front Wiper Motor
R12 Rain Sensor
RS–SIGNAL
VCC RS
GND
F11 Front Washer Motor
J2 Junction Connector
J15 Junction Connector
Left Kick Panel
IJ
Left Side of the Suspension Tower
ED
Behind the Combination Meter
IK
IL
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : w/ Headlight Cleaner w/ HID
* 6 : Except *5

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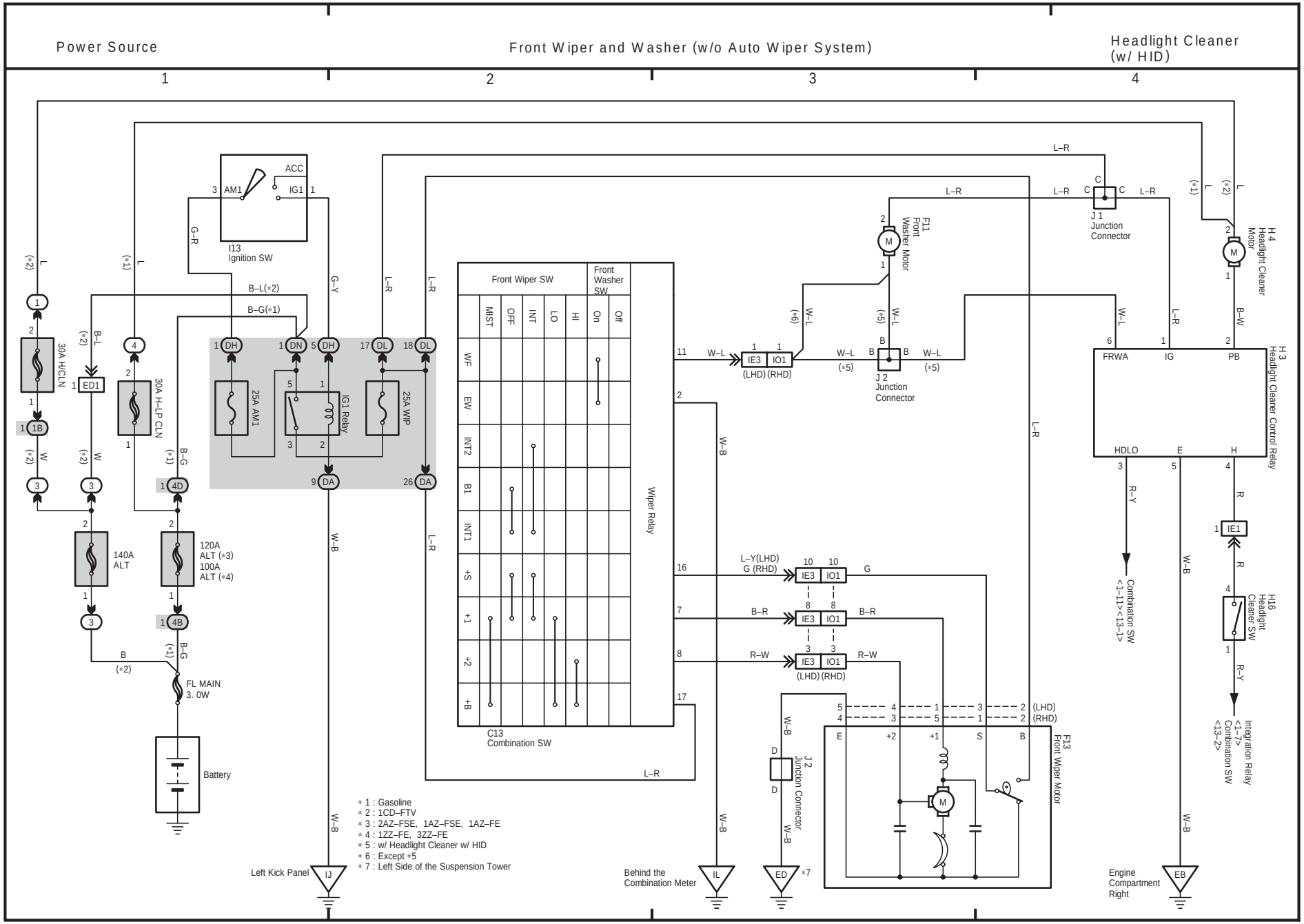
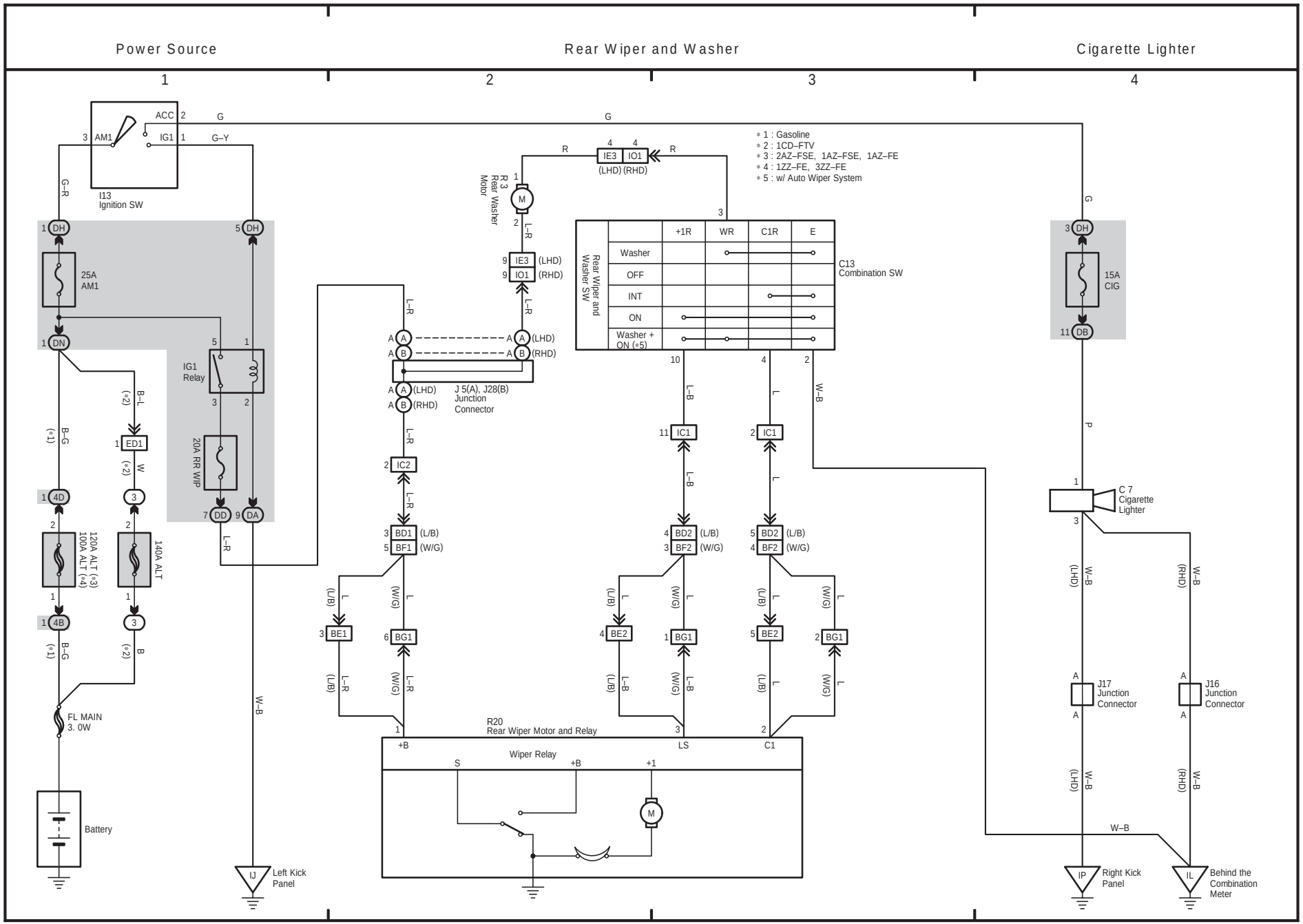

Power Source
Front Wiper and Washer (w/o Auto Wiper System)
Headlight Cleaner (w/ HID)
1
2
3
4
ACC
AM1
IG1
I13 Ignition SW
30A H/CLN
30A H-LP CLN
ED1
140A ALT
120A ALT (*3)
100A ALT (*4)
FL MAIN 3. 0W
Battery
25A AM1
IG1 Relay
25A WIP
Front Wiper SW
Front Washer SW
MIST
OFF
INT
LO
HI
On
Off
WF
EW
INT2
B1
INT1
+S
+1
+2
+B
Wiper Relay
C13 Combination SW
F11 Front Washer Motor
J 1 Junction Connector
J 2 Junction Connector
H 4 Headlight Cleaner Motor
H 3 Headlight Cleaner Control Relay
FRWA
IG
PB
HDLO
E
H
H16 Headlight Cleaner SW
Integration Relay <1–7> Combination SW <13–2>
Combination SW <1–11><13–1>
F13 Front Wiper Motor
(LHD)
(RHD)
Left Kick Panel
Behind the Combination Meter
Engine Compartment Right
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : w/ Headlight Cleaner w/ HID
* 6 : Except *5
* 7 : Left Side of the Suspension Tower


Power Source
Rear Wiper and Washer
Cigarette Lighter
1
2
3
4
ACC
AM1
IG1
G
G–Y
G–R
I13
Ignition SW
25A
AM1
IG1
Relay
20A RR WIP
ED1
4D
4B
120A ALT (*3)
100A ALT (*4)
140A ALT
FL MAIN
3. 0W
Battery
IJ
Left Kick
Panel
W–B
B–L
B–G
W
B
(*1)
(*2)
R
L–R
IE3
IO1
(LHD)
(RHD)
R3
Rear Washer
Motor
M
J 5(A), J28(B)
Junction
Connector
IC2
BD1 (L/B)
BF1 (W/G)
BE1
BG1
R20
Rear Wiper Motor and Relay
Wiper Relay
+B
S
+1
LS
C1
Rear Wiper and
Washer SW
+1R
WR
C1R
E
Washer
OFF
INT
ON
Washer +
ON (*5)
C13
Combination SW
IC1
BD2 (L/B)
BF2 (W/G)
BE2
BG1
L–B
L
W–B
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : w/ Auto Wiper System
15A
CIG
C 7
Cigarette
Lighter
P
J17
Junction
Connector
J16
Junction
Connector
IP
Right Kick
Panel
IL
Behind the
Combination
Meter

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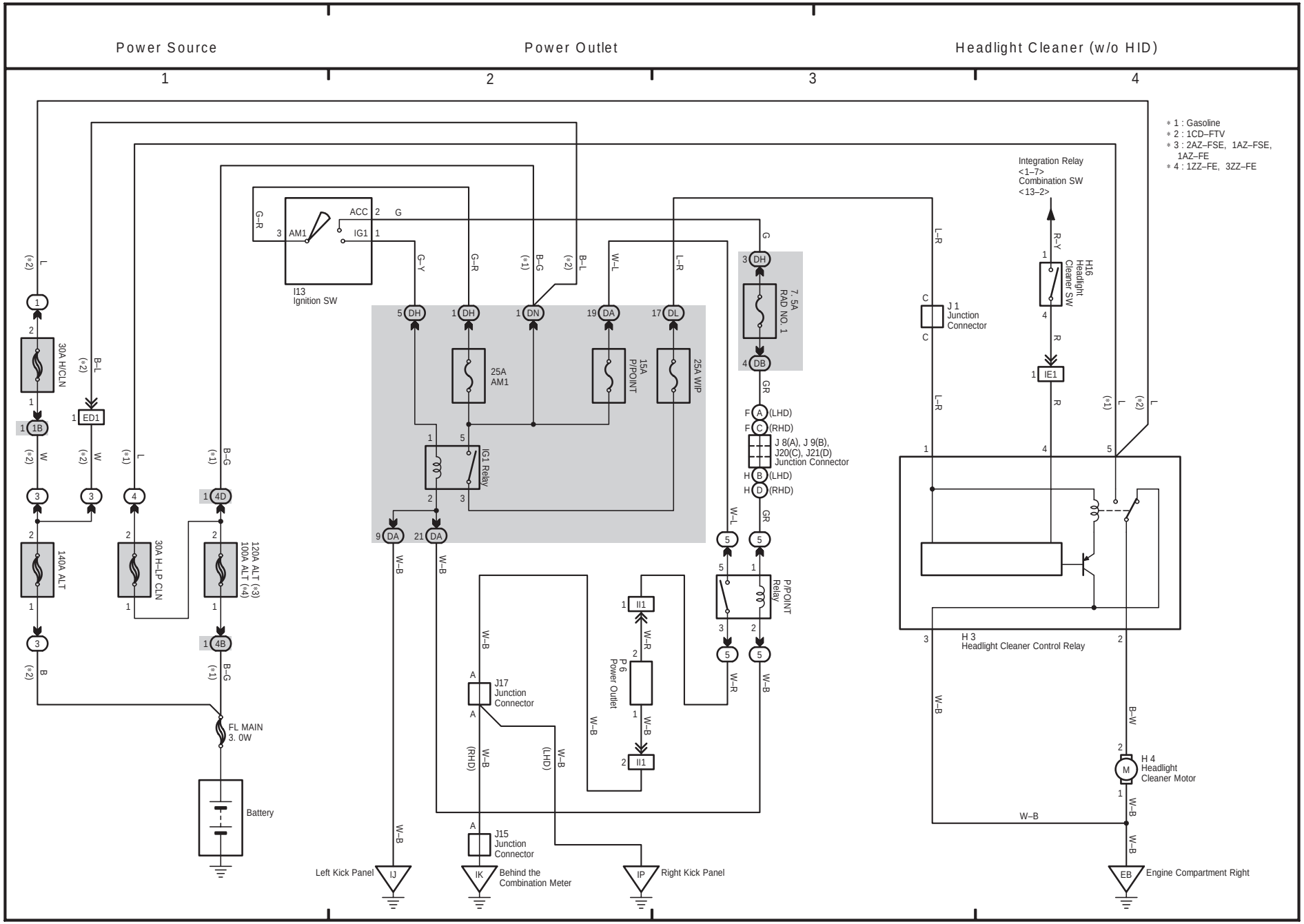
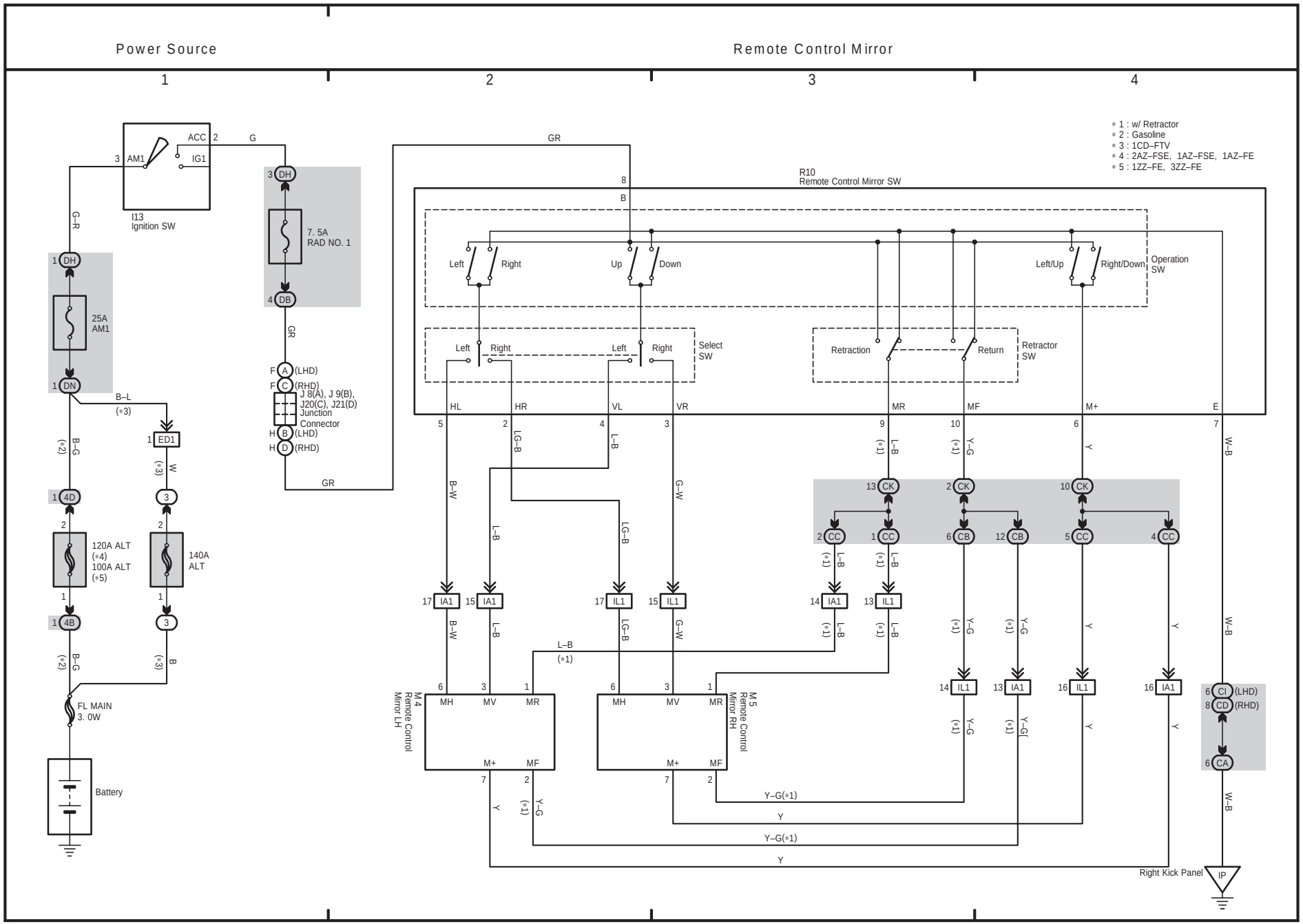
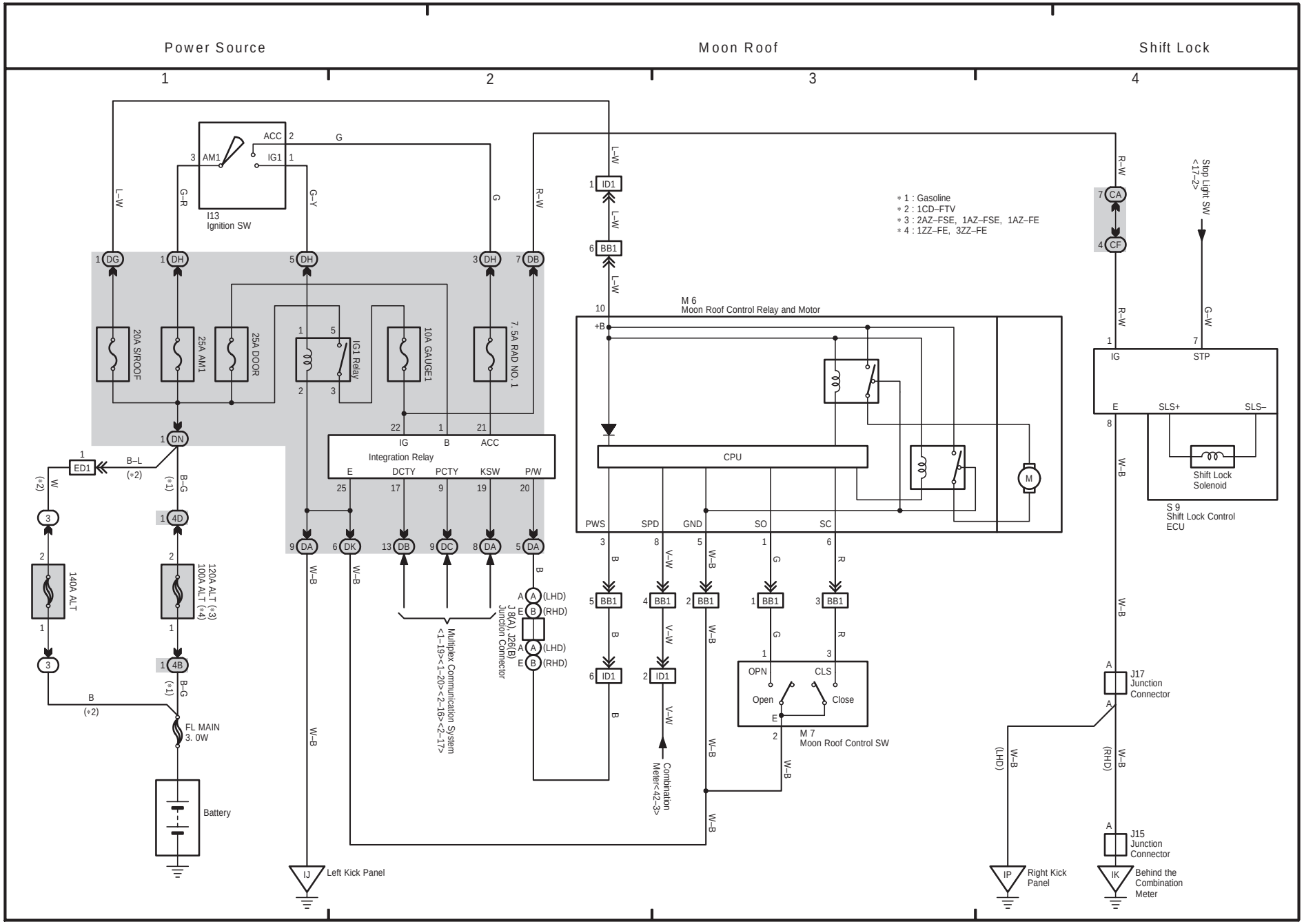
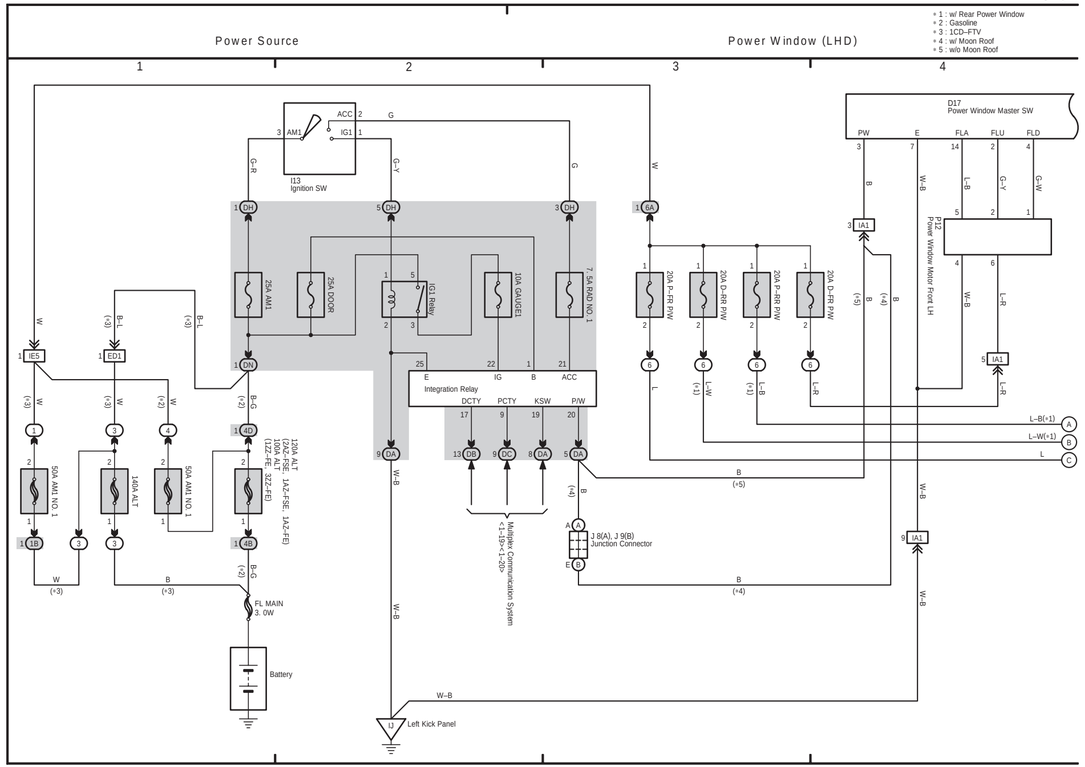
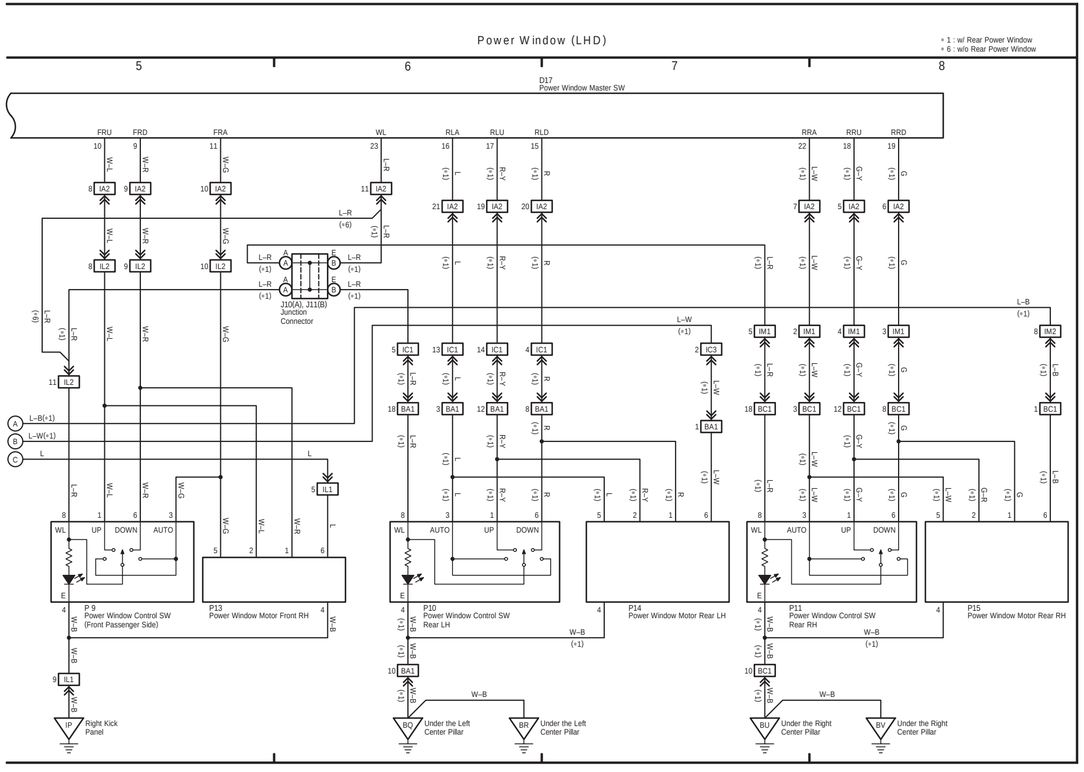

Power Source
Power Outlet
Headlight Cleaner (w/o HID)
1
2
3
4
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
I13 Ignition SW
ACC
IG1
AM1
25A AM1
15A P/POINT
25A WIP
IG1 Relay
7. 5A RAD NO. 1
J 8(A), J 9(B), J20(C), J21(D) Junction Connector
(LHD)
(RHD)
P/POINT Relay
Integration Relay <1–7> Combination SW <13–2>
H16 Headlight Cleaner SW
J 1 Junction Connector
H 3 Headlight Cleaner Control Relay
H 4 Headlight Cleaner Motor
30A H/CLN
140A ALT
30A H–LP CLN
120A ALT (*3) 100A ALT (*4)
FL MAIN 3. 0W
Battery
J17 Junction Connector
J15 Junction Connector
P 6 Power Outlet
Left Kick Panel
Behind the Combination Meter
Right Kick Panel
Engine Compartment Right

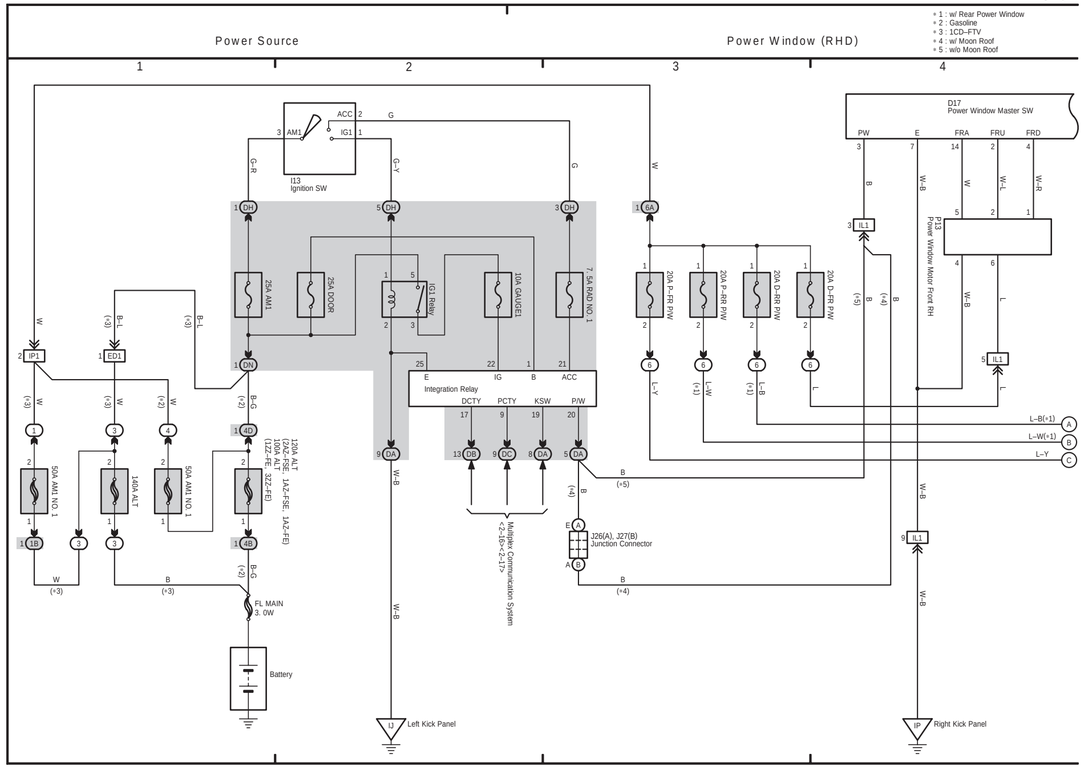

Power Source
Remote Control Mirror
1
2
3
4
* 1 : w/ Retractor
* 2 : Gasoline
* 3 : 1CD–FTV
* 4 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 5 : 1ZZ–FE, 3ZZ–FE
ACC
AM1
IG1
I13
Ignition SW
7. 5A
RAD NO. 1
25A
AM1
120A ALT
(*4)
100A ALT
(*5)
140A
ALT
FL MAIN
3. 0W
Battery
J 8(A), J 9(B),
J20(C), J21(D)
Junction
Connector
(LHD)
(RHD)
R10
Remote Control Mirror SW
Left
Right
Up
Down
Left/Up
Right/Down
Operation
SW
Select
SW
Retraction
Return
Retractor
SW
HL
HR
VL
VR
MR
MF
M+
E
M 4
Remote Control
Mirror LH
M 5
Remote Control
Mirror RH
MH
MV
MR
Y–G(*1)
Right Kick Panel
IP

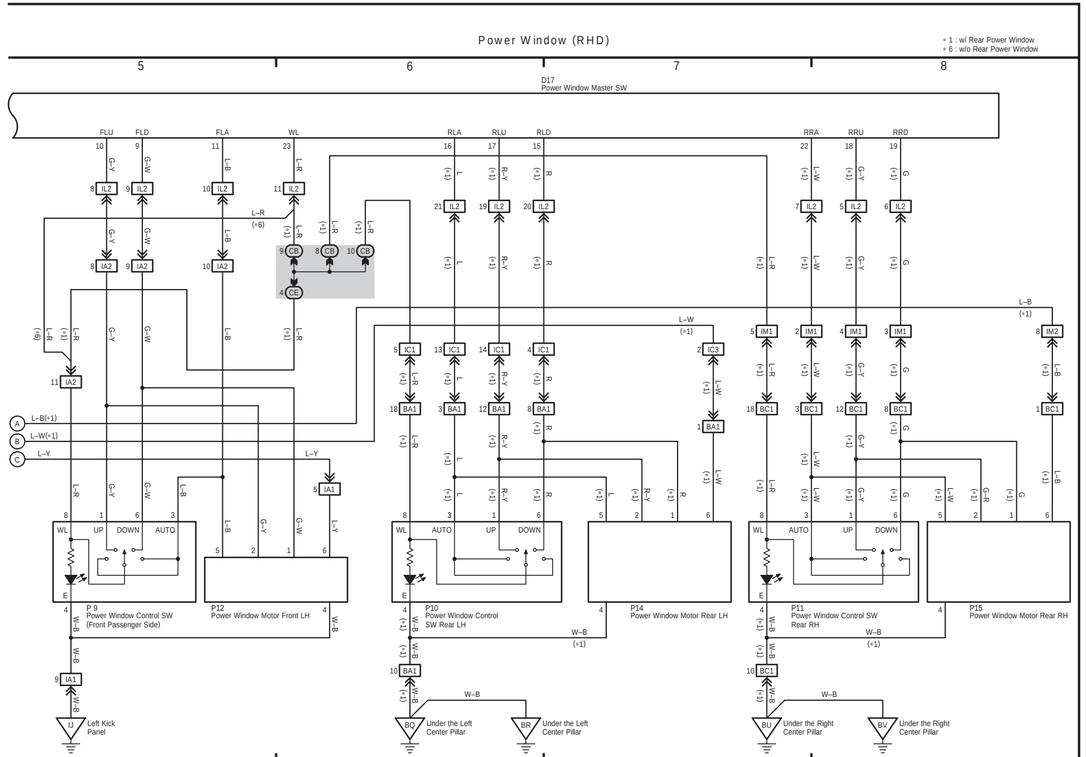

Power Source
Moon Roof
Shift Lock
1
2
3
4
I13
Ignition SW
ACC
IG1
AM1
20A S/ROOF
25A AM1
25A DOOR
IG1 Relay
10A GAUGE1
7.5A RAD NO.1
Integration Relay
IG
B
ACC
E
DCTY
PCTY
KSW
P/W
ED1
140A ALT
120A ALT (*3)
100A ALT (*4)
FL MAIN
3.0W
Battery
Multiplex Communication System
<1–19><1–20><2–16><2–17>
J8(A), J26(B)
Junction Connector
(LHD)
(RHD)
Combination
Meter<42–3>
IJ
Left Kick Panel
M 6
Moon Roof Control Relay and Motor
+B
CPU
PWS
SPD
GND
SO
SC
M
M 7
Moon Roof Control SW
OPN
CLS
Open
Close
E
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
Stop Light SW
<17–2>
IG
STP
SLS+
SLS–
Shift Lock
Solenoid
S 9
Shift Lock Control
ECU
J17
Junction
Connector
J15
Junction
Connector
IP
Right Kick
Panel
IK
Behind the
Combination
Meter

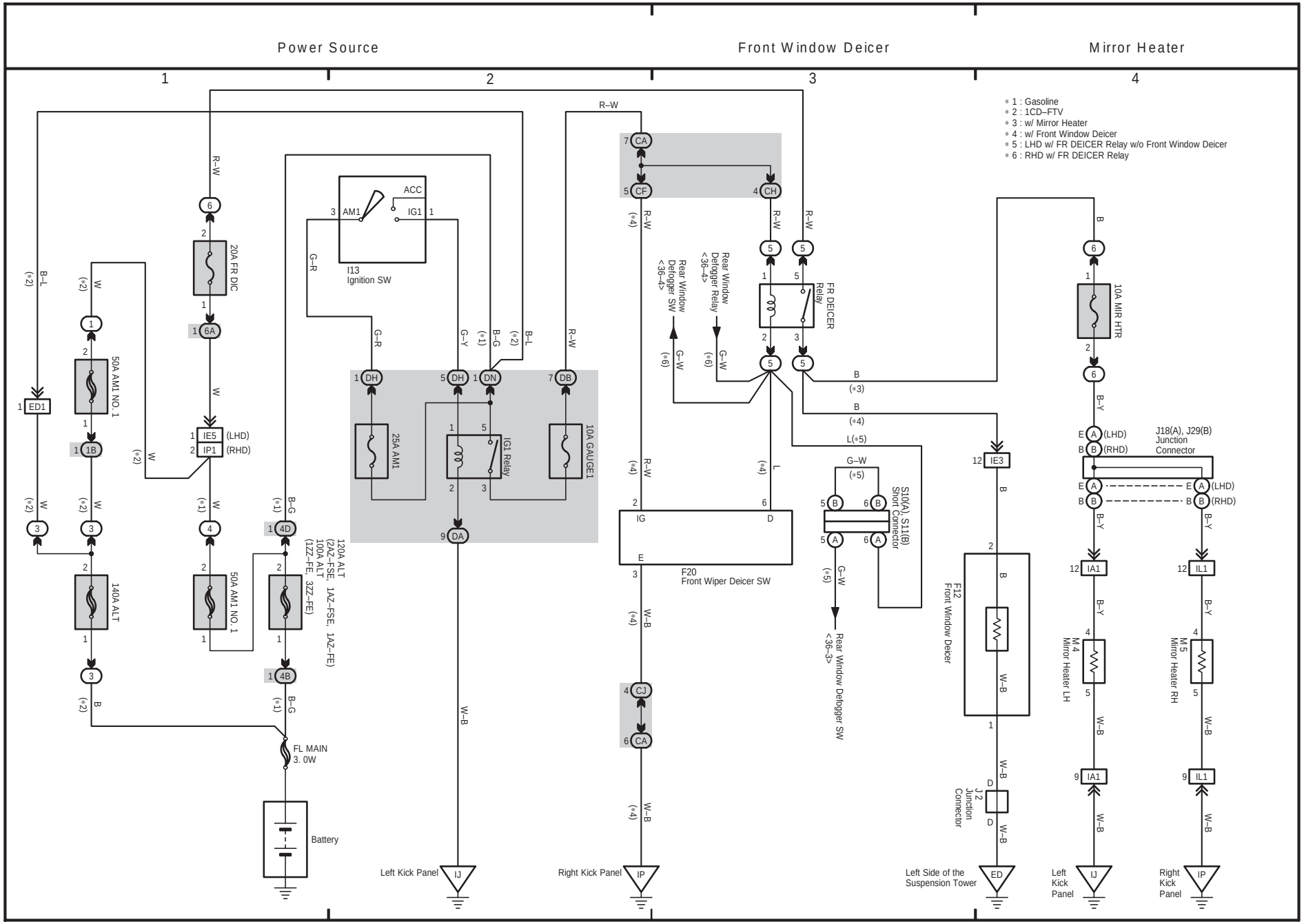
(Cont. next page)

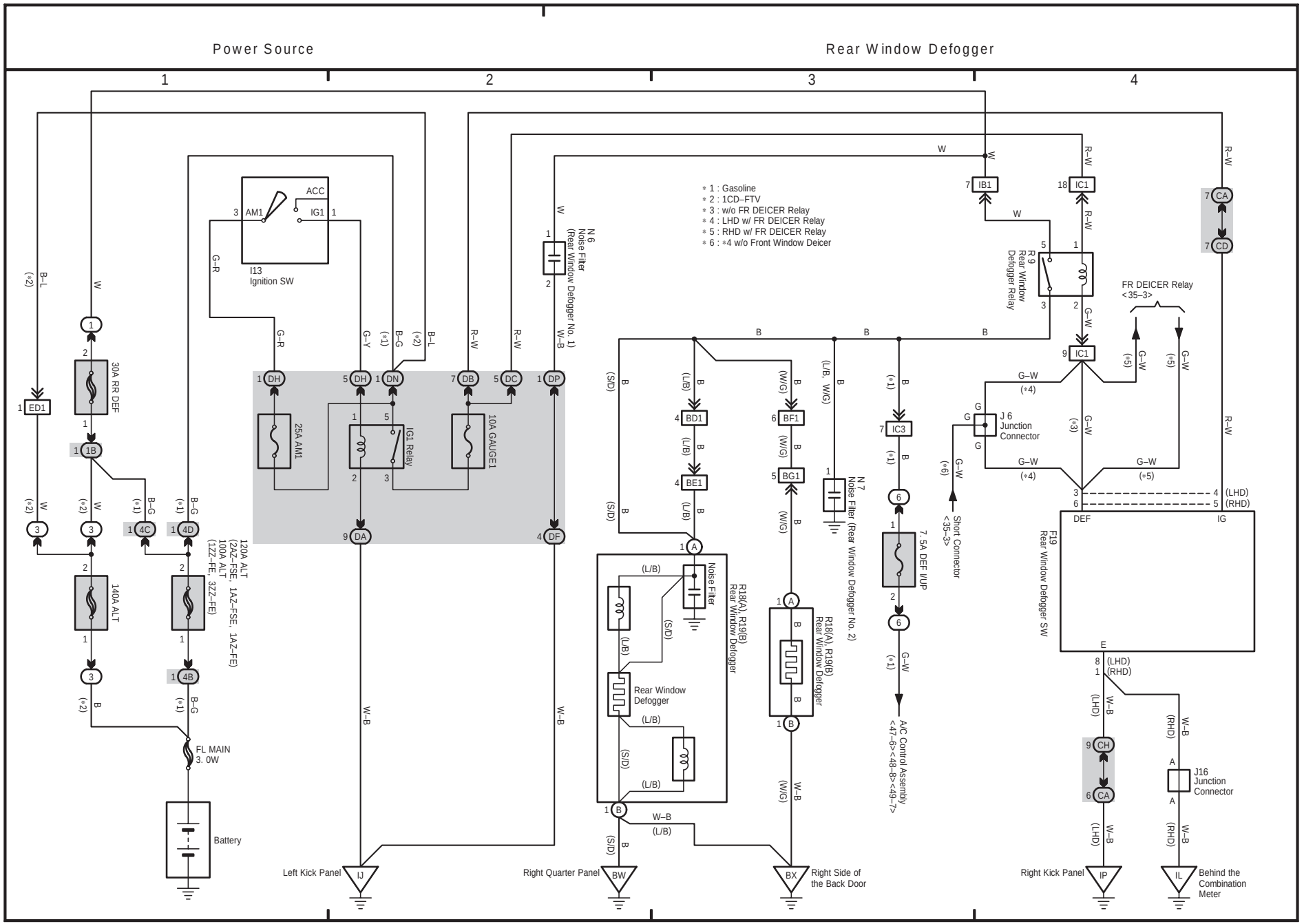


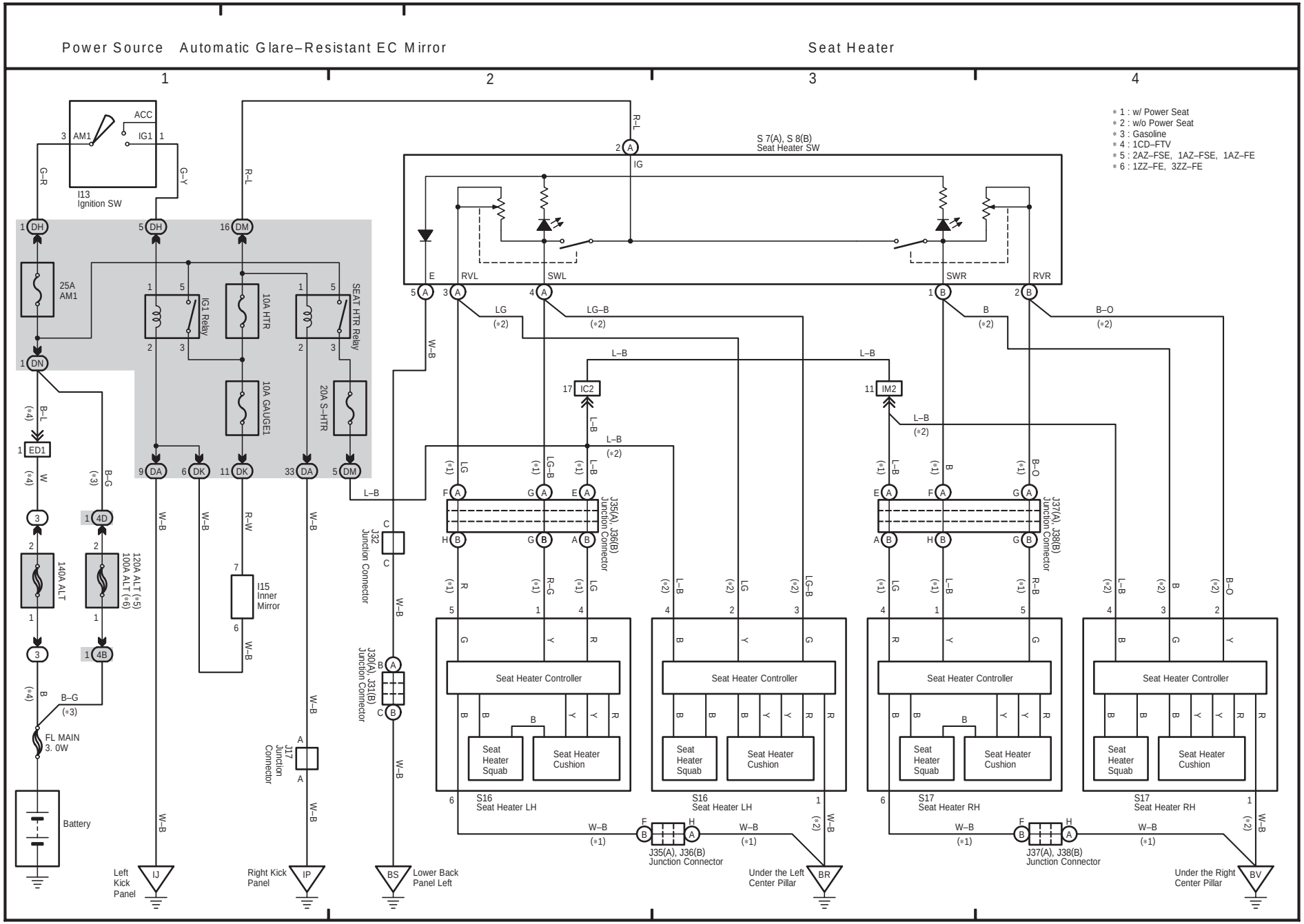


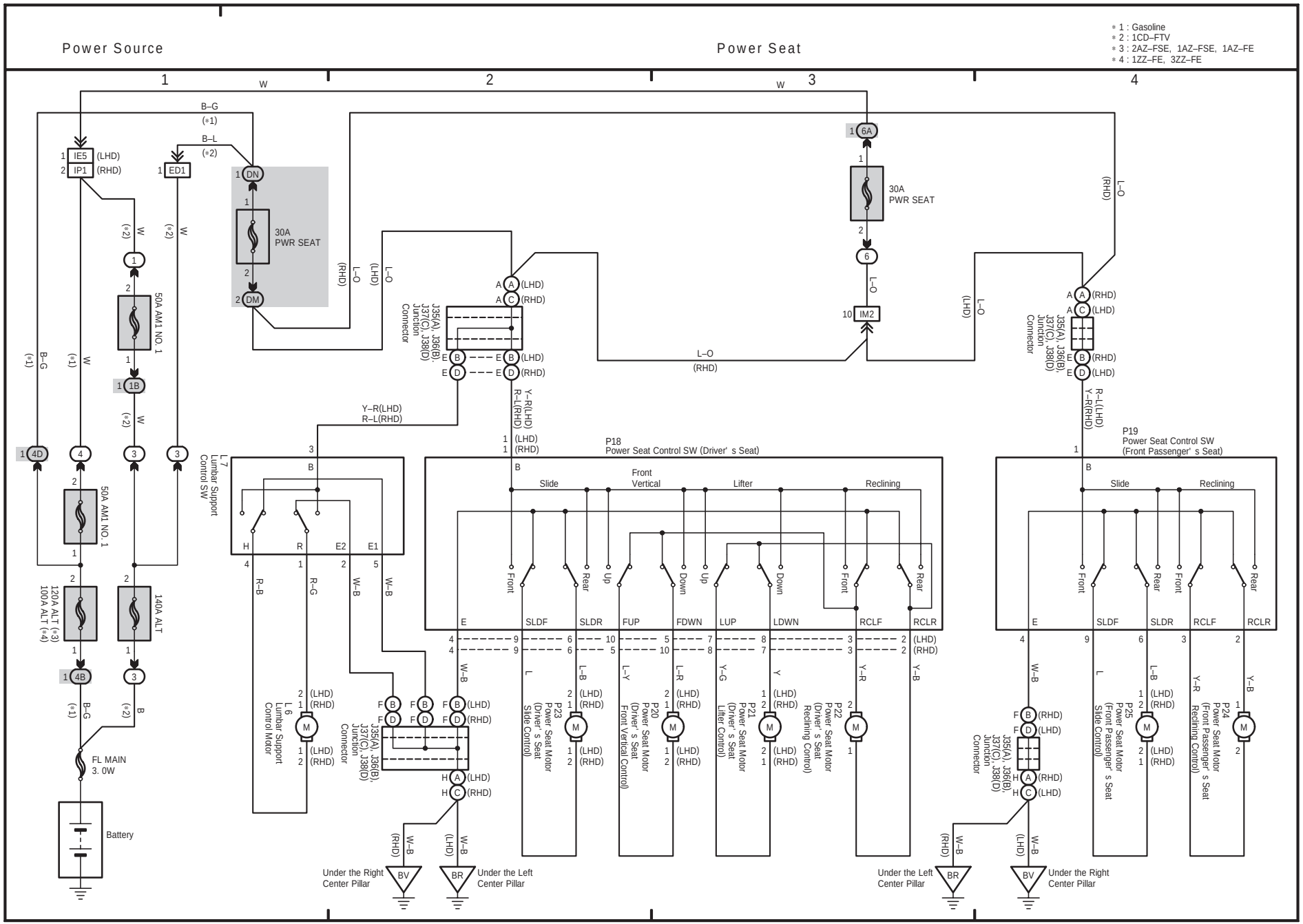

Power Source
Power Window (RHD)
* 1 : w/ Rear Power Window
* 2 : Gasoline
* 3 : 1CD-FTV
* 4 : w/ Moon Roof
* 5 : w/o Moon Roof
I13
Ignition SW
D17
Power Window Master SW
P11
Power Window Motor Front RH
25A AM1
25A DOOR
10A IG1 Relay
10A GAUGE1
7.5A RAD NO. 1
20A P-RR PW
Integration Relay
DCTY
PCTY
KSW
P/W
50A AM1 NO. 1
140A ALT
120A ALT (2AC-FSE, 1AZ-FSE, 1AZ-FE) 150A ALT (2ZZ-FE, 3ZZ-FE)
FL MAIN 3. 0W
Battery
Multiplex Communication System <2.2L><2.2L>
J26(A), J27(B) Junction Connector
Left Kick Panel
Right Kick Panel


Power Window (RHD)
* 1 : w/ Rear Power Window
* 6 : w/o Rear Power Window
D17
Power Window Master SW
P 9
Power Window Control SW (Front Passenger Side)
P12
Power Window Motor Front LH
P10
Power Window Control SW Rear LH
P14
Power Window Motor Rear LH
P11
Power Window Control SW Rear RH
P15
Power Window Motor Rear RH
Left Kick Panel
Under the Left Center Pillar
Under the Left Center Pillar
Under the Right Center Pillar
Under the Right Center Pillar

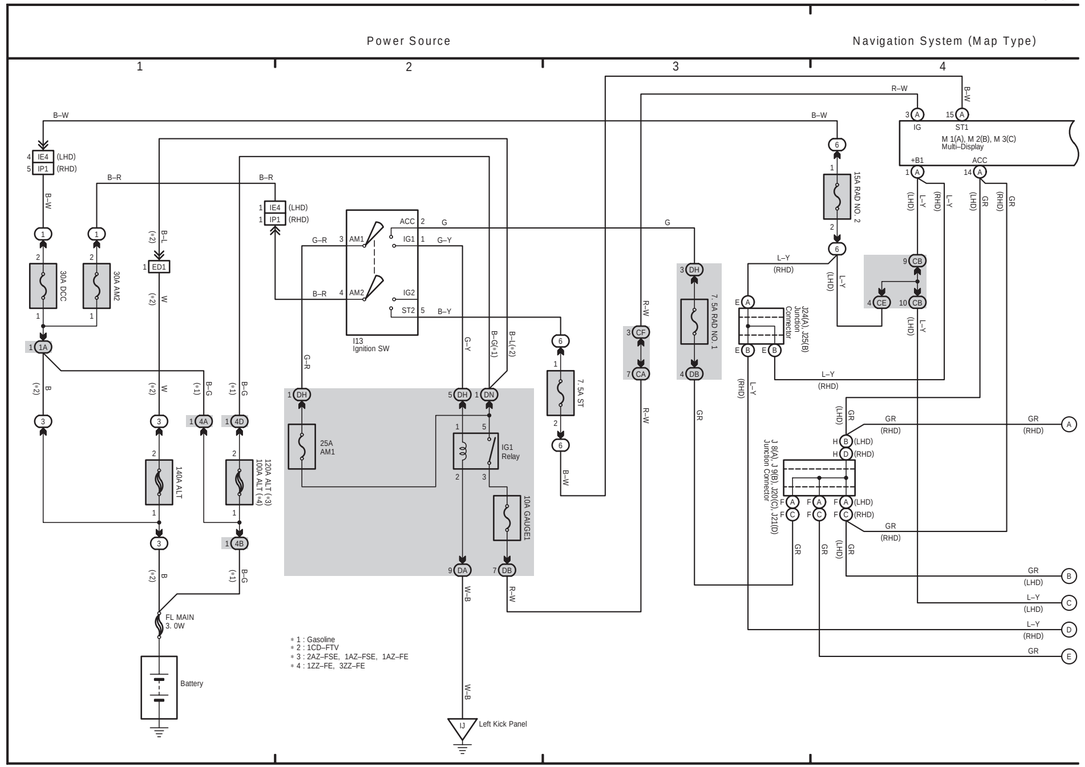

Power Source
Front Window Deicer
Mirror Heater
1
2
3
4
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : w/ Mirror Heater
* 4 : w/ Front Window Deicer
* 5 : LHD w/ FR DEICER Relay w/o Front Window Deicer
* 6 : RHD w/ FR DEICER Relay
20A FR DIC
50A AM1 NO. 1
140A ALT
50A AM1 NO. 1
120A ALT (2AZ–FSE, 1AZ–FSE, 1AZ–FE) 100A ALT (1ZZ–FE, 3ZZ–FE)
FL MAIN 3. 0W
Battery
I13 Ignition SW
ACC
AM1
IG1
25A AM1
IG1 Relay
10A GAUGE1
Left Kick Panel
Rear Window Defogger SW <36–4>
Rear Window Defogger Relay <36–4>
FR DEICER Relay
F20 Front Wiper Deicer SW
S10(A), S11(B) Short Connector
Rear Window Defogger SW <36–3>
Right Kick Panel
F12 Front Window Deicer
J2 Junction Connector
Left Side of the Suspension Tower
10A MIR HTR
J18(A), J29(B) Junction Connector
M4 Mirror Heater LH
M5 Mirror Heater RH
Left Kick Panel
Right Kick Panel
(LHD)
(RHD)

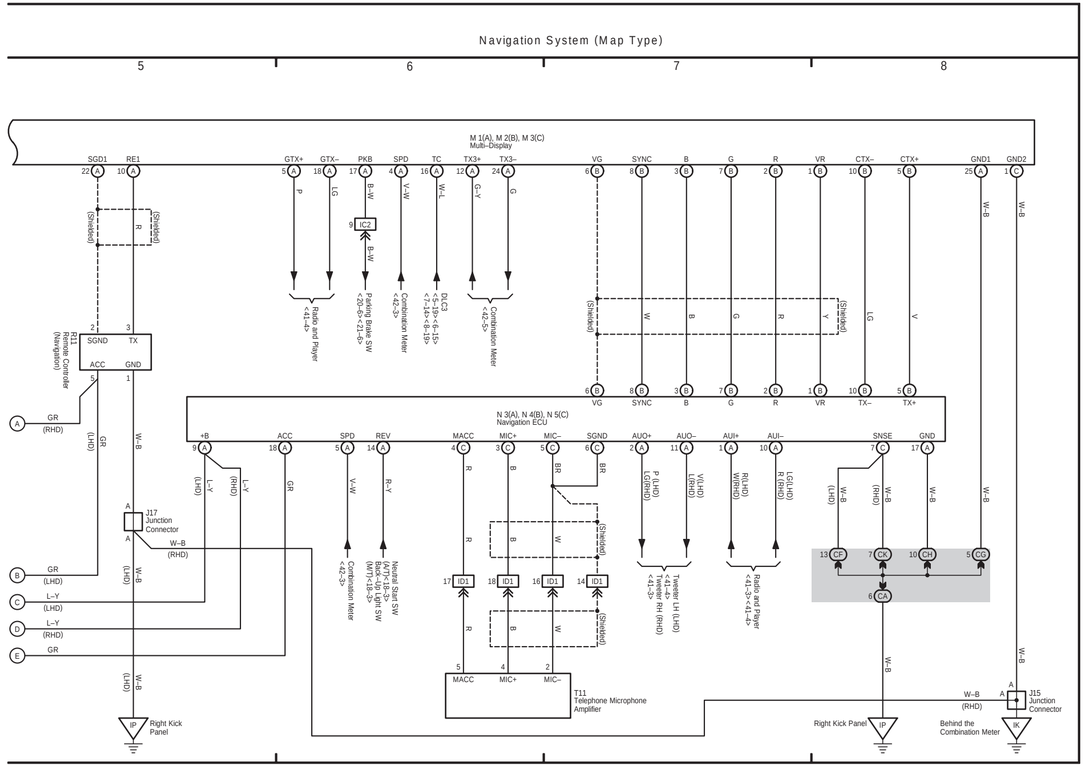

Power Source
Rear Window Defogger
1
2
3
4
∗ 1 : Gasoline
∗ 2 : 1CD–FTV
∗ 3 : w/o FR DEICER Relay
∗ 4 : LHD w/ FR DEICER Relay
∗ 5 : RHD w/ FR DEICER Relay
∗ 6 : ∗4 w/o Front Window Deicer
I13
Ignition SW
ACC
AM1
IG1
N 6
Noise Filter
(Rear Window Defogger No. 1)
R 9
Rear Window
Defogger Relay
FR DEICER Relay
<35–3>
IG1 Relay
25A AM1
10A GAUGE1
30A RR DEF
140A ALT
120A ALT
(2AZ–FSE, 1AZ–FSE, 1AZ–FE)
100A ALT
(1ZZ–FE, 3ZZ–FE)
FL MAIN
3. 0W
Battery
N 7
Noise Filter (Rear Window Defogger No. 2)
R18(A), R19(B)
Rear Window Defogger
Noise Filter
Rear Window
Defogger
7. 5A DEF I/UP
Short Connector
<35–3>
J 6
Junction
Connector
F19
Rear Window Defogger SW
DEF
IG
J16
Junction
Connector
A/C Control Assembly
<47–6><48–8><49–7>
Left Kick Panel
Right Quarter Panel
Right Side of
the Back Door
Right Kick Panel
Behind the
Combination
Meter
(LHD)
(RHD)

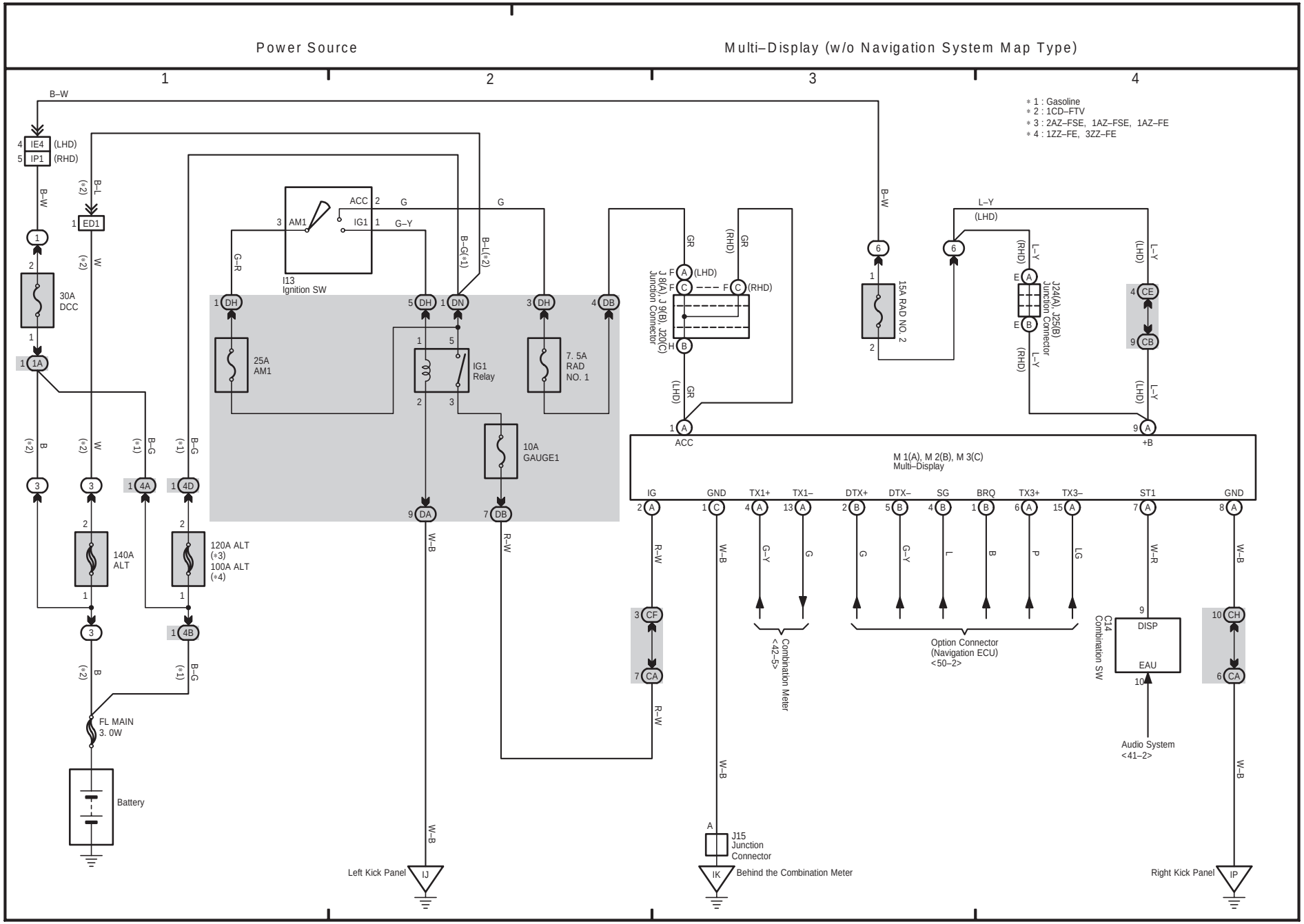

Power Source
Automatic Glare–Resistant EC Mirror
Seat Heater
1
2
3
4
* 1 : w/ Power Seat
* 2 : w/o Power Seat
* 3 : Gasoline
* 4 : 1CD–FTV
* 5 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 6 : 1ZZ–FE, 3ZZ–FE
ACC
IG1
AM1
I13
Ignition SW
25A
AM1
IG1 Relay
10A HTR
SEAT HTR Relay
10A GAUGE1
20A S–HTR
ED1
140A ALT
120A ALT (*5)
100A ALT (*6)
FL MAIN
3. 0W
Battery
I15
Inner
Mirror
J32
Junction Connector
J330(A), J31(B)
Junction Connector
J17
Junction
Connector
S 7(A), S 8(B)
Seat Heater SW
IC2
IM2
J35(A), J36(B)
Junction Connector
J37(A), J38(B)
Junction Connector
Seat Heater Controller
Seat
Heater
Squab
Seat Heater
Cushion
S16
Seat Heater LH
S17
Seat Heater RH
Left
Kick
Panel
Right Kick
Panel
Lower Back
Panel Left
Under the Left
Center Pillar
Under the Right
Center Pillar

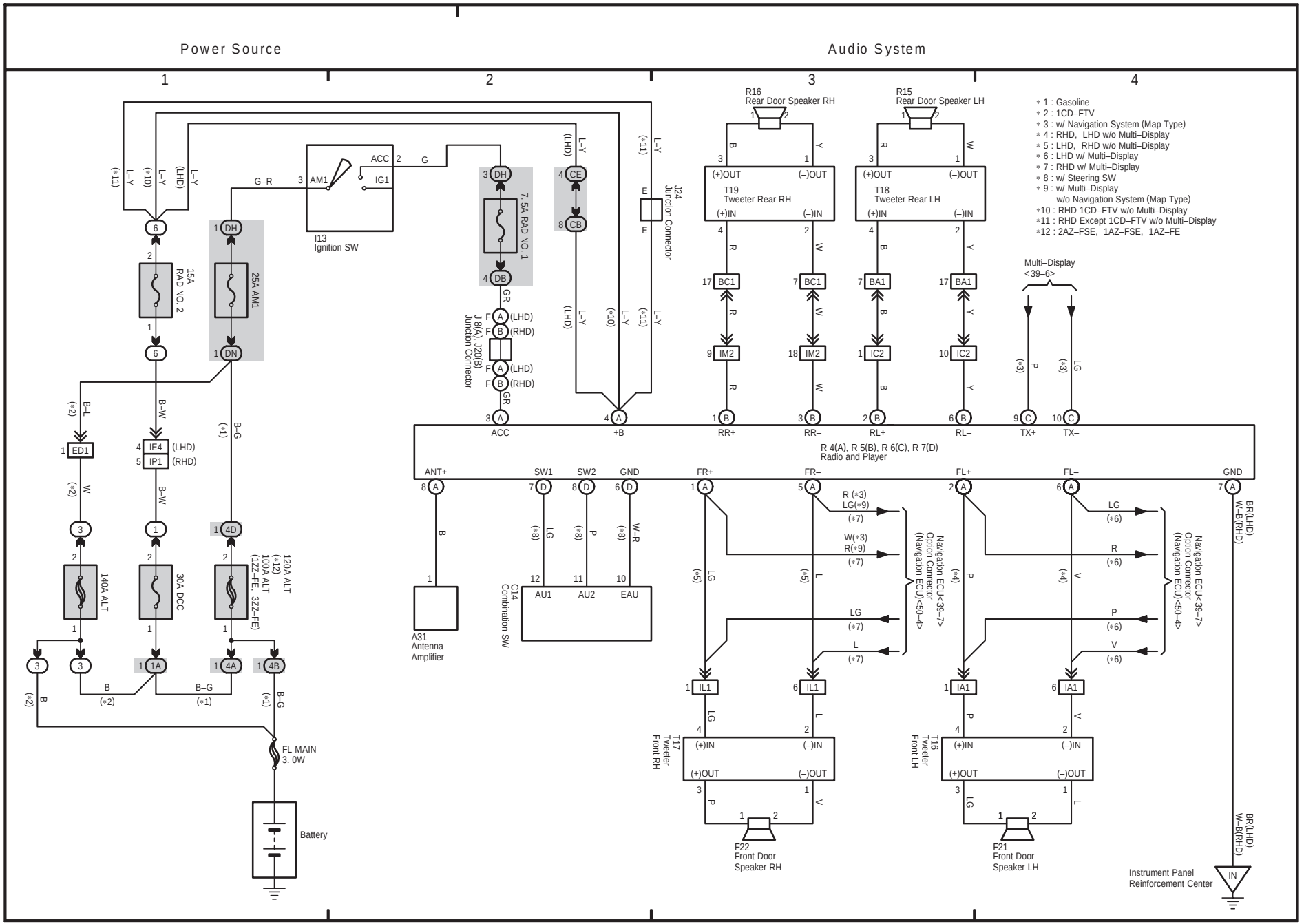

Power Source
Power Seat
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
1
2
3
4
W
B–G (*1)
B–L (*2)
IE5 (LHD)
IP1 (RHD)
ED1
DN
DM
30A PWR SEAT
6A
6
IM2
50A AM1 NO. 1
1B
4D
4
3
50A AM1 NO. 1
120A ALT (*3)
100A ALT (*4)
140A ALT
4B
FL MAIN 3. 0W
Battery
L–O (LHD)
L–O (RHD)
J35(A), J36(B), J37(C), J38(D) Junction Connector
L7 Lumbar Support Control SW
H
R
E2
E1
Y–R(LHD)
R–L(RHD)
P18
Power Seat Control SW (Driver' s Seat)
Slide
Front Vertical
Lifter
Reclining
Front
Rear
Up
Down
E
SLDF
SLDR
FUP
FDWN
LUP
LDWN
RCLF
RCLR
(LHD)
(RHD)
L6 Lumbar Support Control Motor
P23 Power Seat Motor (Driver' s Seat Slide Control)
P20 Power Seat Motor (Driver' s Seat Front Vertical Control)
P21 Power Seat Motor (Driver' s Seat Lifter Control)
P22 Power Seat Motor (Driver' s Seat Reclining Control)
P19
Power Seat Control SW (Front Passenger' s Seat)
P25 Power Seat Motor (Front Passenger' s Seat Slide Control)
P24 Power Seat Motor (Front Passenger' s Seat Reclining Control)
Under the Right Center Pillar
Under the Left Center Pillar
BV
BR

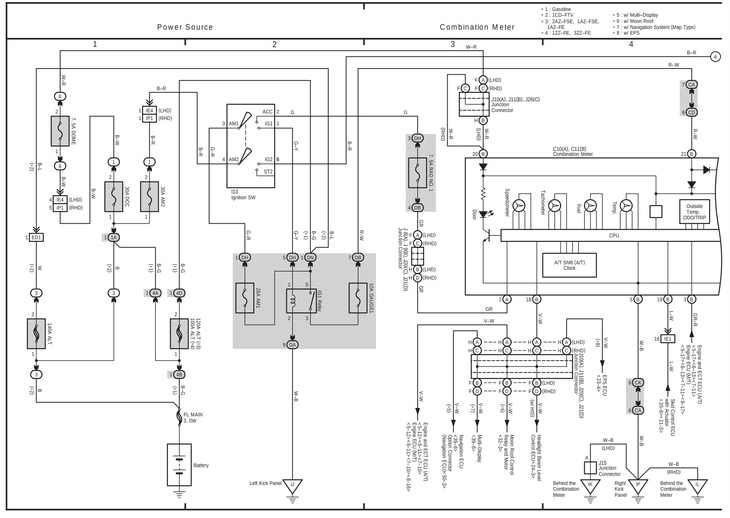
(Cont. next page)

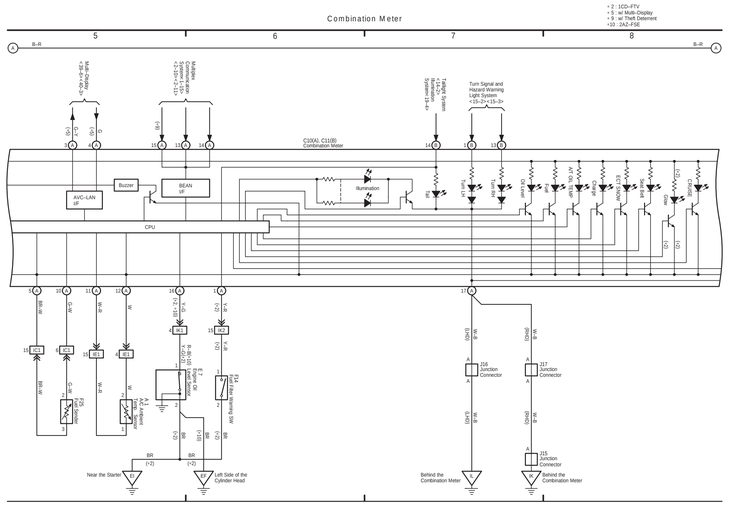


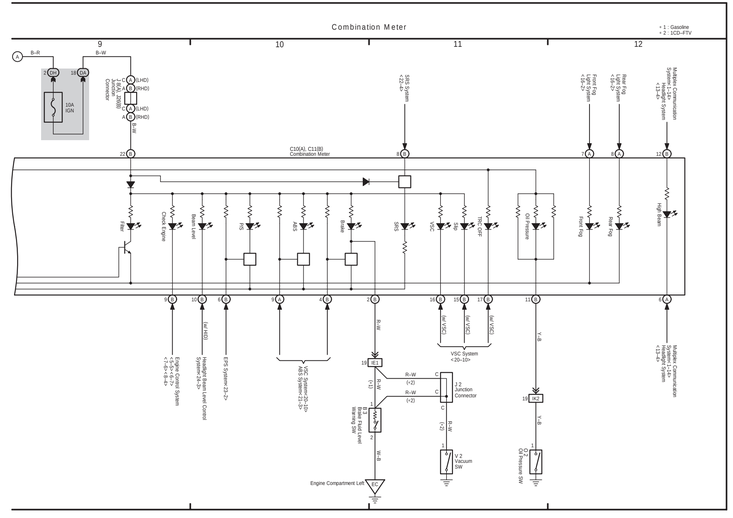


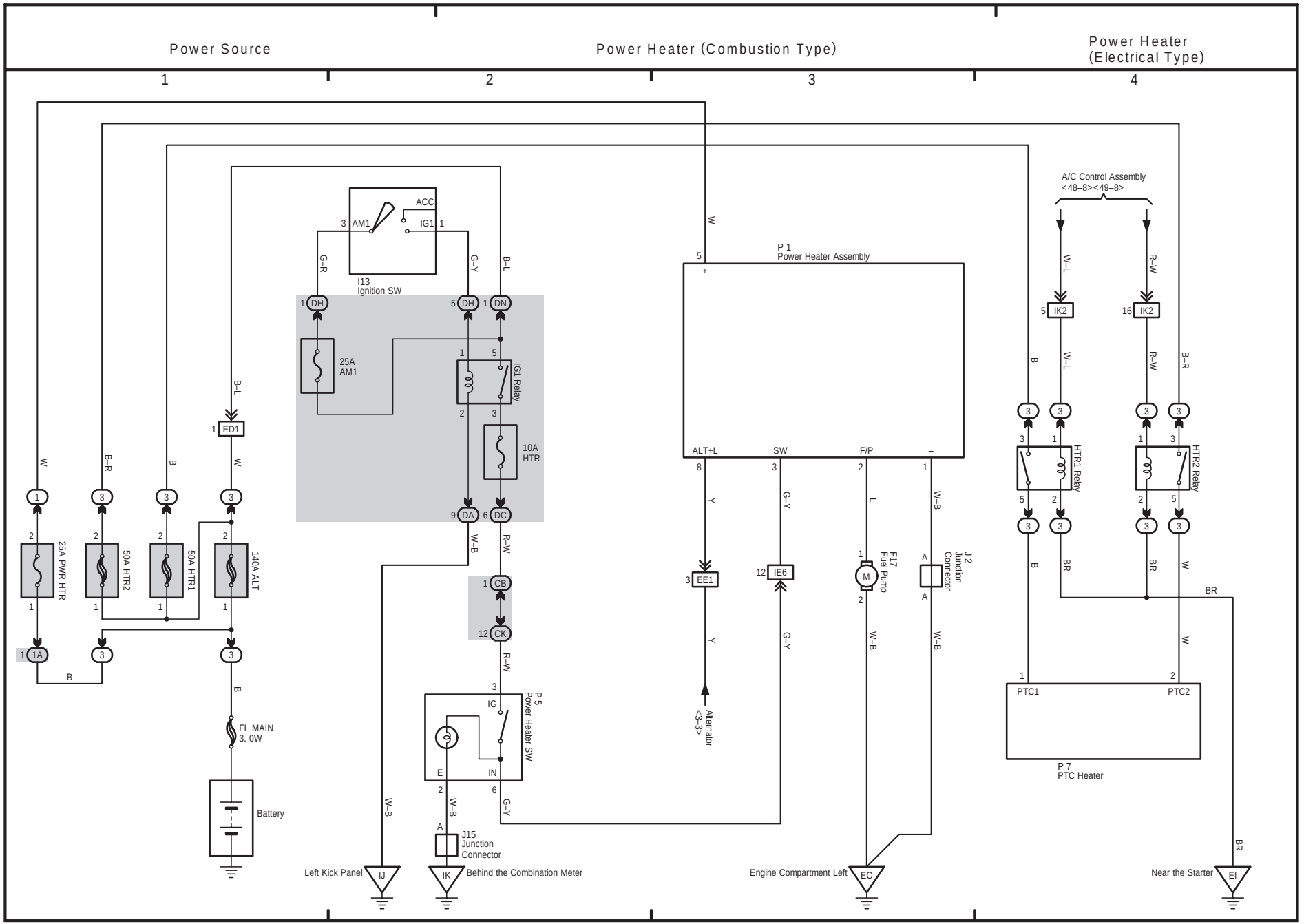

Power Source
Multi–Display (w/o Navigation System Map Type)
1
2
3
4
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
B–W
IE4 (LHD)
IP1 (RHD)
ED1
30A DCC
1A
140A ALT
120A ALT (*3)
100A ALT (*4)
4A
4D
4B
FL MAIN 3. 0W
Battery
I13 Ignition SW
ACC
IG1
AM1
25A AM1
IG1 Relay
7. 5A RAD NO. 1
10A GAUGE1
J 8(A), J 9(B), J20(C) Junction Connector
15A RAD NO. 2
124(A), 125(B) Junction Connector
M 1(A), M 2(B), M 3(C) Multi–Display
IG
GND
TX1+
TX1–
DTX+
DTX–
SG
BRQ
TX3+
TX3–
ST1
+B
Combination Meter <42–5>
Option Connector (Navigation ECU) <50–2>
C14 Combination SW
DISP
EAU
Audio System <41–2>
J15 Junction Connector
Behind the Combination Meter
Left Kick Panel
Right Kick Panel

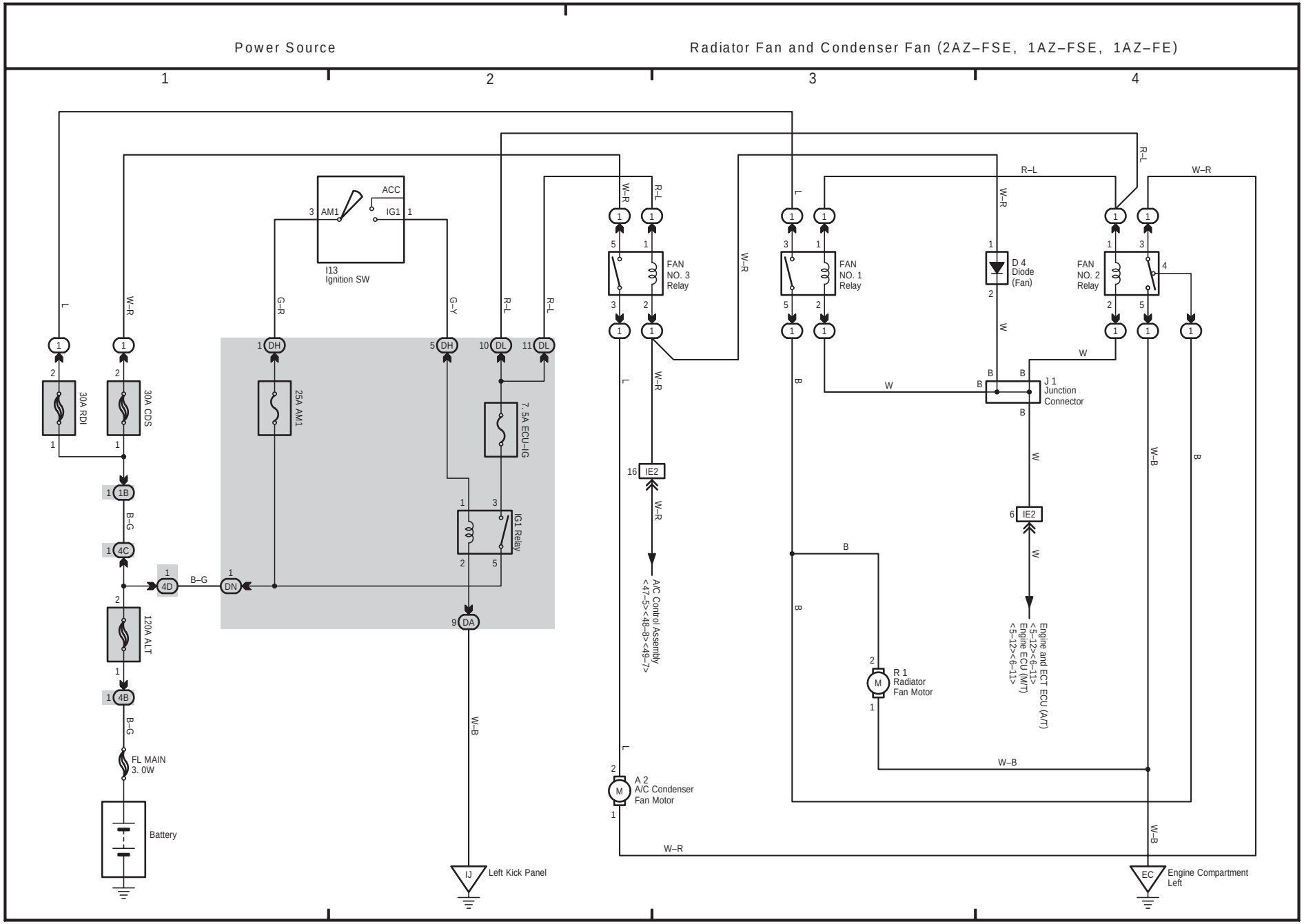

Power Source
Audio System
1
2
3
4
R16
Rear Door Speaker RH
R15
Rear Door Speaker LH
T19
Tweeter Rear RH
T18
Tweeter Rear LH
∗1 : Gasoline
∗2 : 1CD–FTV
∗3 : w/ Navigation System (Map Type)
∗4 : RHD, LHD w/o Multi–Display
∗5 : LHD, RHD w/o Multi–Display
∗6 : LHD w/ Multi–Display
∗7 : RHD w/ Multi–Display
∗8 : w/ Steering SW
∗9 : w/ Multi–Display
w/o Navigation System (Map Type)
∗10 : RHD 1CD–FTV w/o Multi–Display
∗11 : RHD Except 1CD–FTV w/o Multi–Display
∗12 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
Multi–Display
<39–6>
I13
Ignition SW
J24
Junction Connector
J 8(A), 120(B)
Junction Connector
7.5A RAD NO.1
15A
RAD NO. 2
25A AM1
140A ALT
30A DCC
120A ALT
(∗12)
100A ALT
(1ZZ–FE, 3ZZ–FE)
FL MAIN
3. 0W
Battery
R 4(A), R 5(B), R 6(C), R 7(D)
Radio and Player
A31
Antenna
Amplifier
C14
Combination SW
Navigation ECU<39–7>
Option Connector
(Navigation ECU)<50–4>
Navigation ECU<39–7>
Option Connector
(Navigation ECU)<50–4>
T17
Tweeter
Front RH
T16
Tweeter
Front LH
F22
Front Door
Speaker RH
F21
Front Door
Speaker LH
Instrument Panel
Reinforcement Center
ACC
+B
RR+
RR–
RL+
RL–
TX+
TX–
ANT+
SW1
SW2
GND
FR+
FR–
FL+
FL–
GND
AU1
AU2
EAU
BR(LHD)
W–B(RHD)

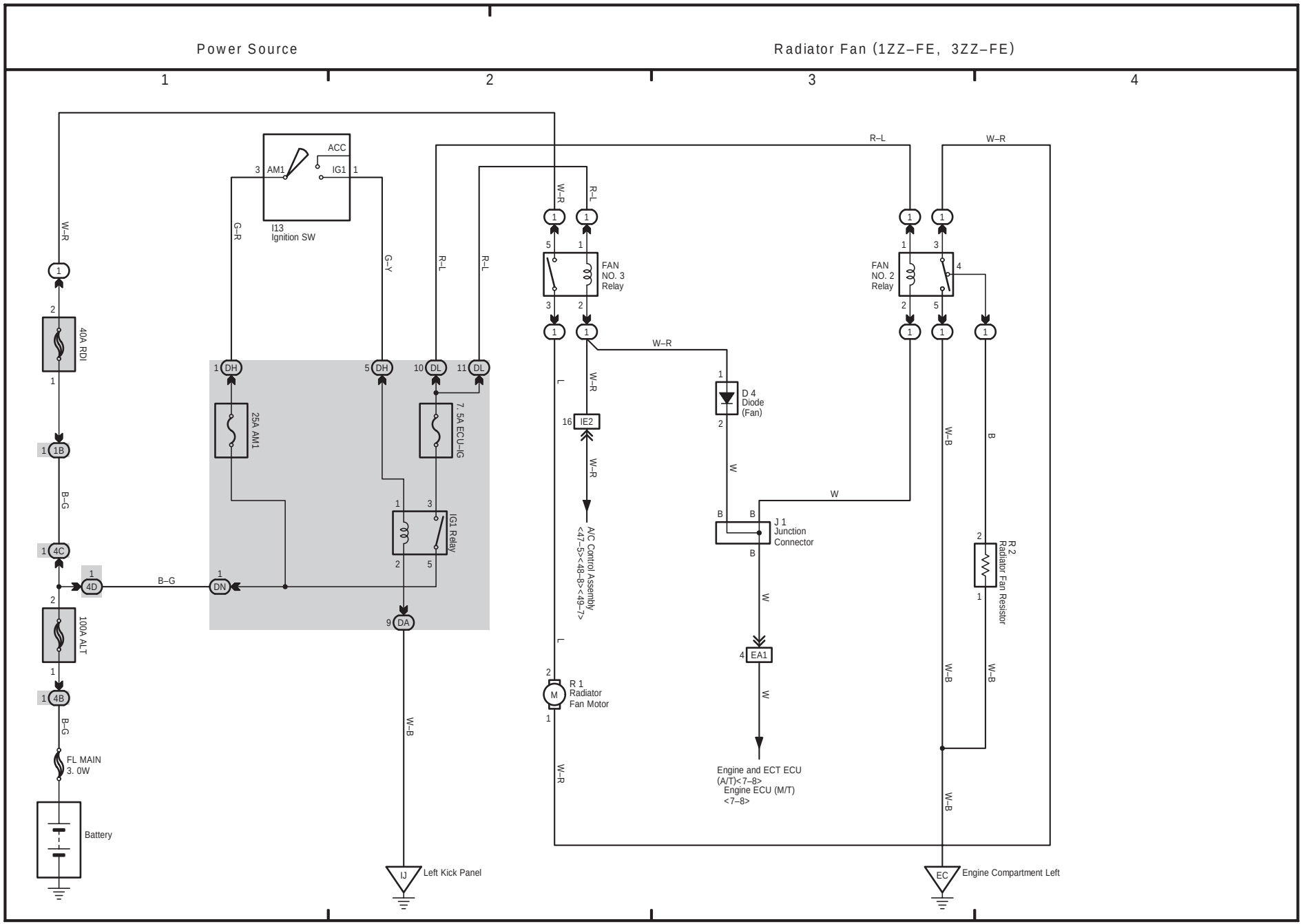

Power Source
Combination Meter
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : w/ Multi–Display
* 6 : w/ Moon Roof
* 7 : w/ Navigation System (Map Type)
* 8 : w/ EPS
C100(A), C111(B), 226(C) Junction Connector
C100(A), C111(B) Combination Meter
7.5A MAIN NO.1
ECU–IG NO.1
ECU–IG NO.2
ST2
IG2
IG1
ACC
AM2
AM1
IG3 Ignition SW
P/W DOOR
SW DOOR
SW UP
SW DOWN
P/W MAIN
120A ALT–S
100A ALT–S
EL MAIN
Battery
Left Kick Panel
Speedometer
Tachometer
Fuel
Temp
Outside Temp. ODO/TRIP
CPU
A/T Shift (A/T) Clock
Buzzer
BEAN
AVC–LAN
Illumination
Tail
Turn R
Turn L
Oil Level
ABS
VSC
ECT (A/T)
Brake
Seat Belt
Charge
Door
Back Door
Multi–Display
Mirror Control Switch
Navigation ECU
Rear Wiper & Washer Motor
Rear Wiper & Washer Switch
Moon Roof Motor
Moon Roof Control ECU
Engine and ECT ECU (A/T)
Engine ECU (M/T)
Skid Control ECU
Left Side of the Cylinder Head
Behind the Combination Meter
Right Kick Panel
J15 Junction Connector
Behind the Combination Meter


Combination Meter
* 2 : 1CD–FTV
* 5 : w/ Multi–Display
* 9 : w/ Theft Deterrent
*10 : 2AZ–FSE
Multi–Display
Multi–Media System
Turn Signal and Hazard Warning Light System
Theft Deterrent System
C100(A), C111(B) Combination Meter
Illumination
Buzzer
BEAN
AVC–LAN
CPU
Tail
Turn R
Turn L
Oil Level
ABS
VSC
ECT (A/T)
Brake
Seat Belt
Charge
Door
Back Door
J16 Junction Connector
J17 Junction Connector
J15 Junction Connector
Behind the Combination Meter
Behind the Combination Meter
Behind the Combination Meter


Combination Meter
* 1 : Gasoline
* 2 : 1CD–FTV
10A IGN
C100(A), C111(B) Combination Meter
SRS System
Light Control System
Front Fog Light System
Multiplex Communication System
Headlight System
Rear Fog Light System
Front Fog
Rear Fog
Headlight
Filter
Check Engine
Oil Level
ABS
Brake
SRS
VSC
TRC
TRC OFF
VSC OFF
A/T Precision
Seat Belt
Charge
Door
Back Door
VSC System
J2 Junction Connector
Warning Buzzer
Engine Compartment Left
V–2 Vacuum SW
O2 Vacuum SW


Power Source
Power Heater (Combustion Type)
Power Heater (Electrical Type)
1
2
3
4
ACC
IG1
AM1
I13
Ignition SW
25A AM1
IG1 Relay
10A HTR
25A PWR HTR
50A HTR2
50A HTR1
140A ALT
FL MAIN 3. 0W
Battery
P 1
Power Heater Assembly
ALT+L
SW
F/P
Alternator <3-3>
F17 Fuel Pump
J2 Junction Connector
A/C Control Assembly <48–8><49–8>
HTR1 Relay
HTR2 Relay
PTC1
PTC2
P 7
PTC Heater
P 5
Power Heater SW
J15 Junction Connector
Left Kick Panel
Behind the Combination Meter
Engine Compartment Left
Near the Starter


Power Source
Radiator Fan and Condenser Fan (2AZ–FSE, 1AZ–FSE, 1AZ–FE)
1
2
3
4
ACC
AM1
IG1
I13
Ignition SW
30A RDI
30A CDS
25A AM1
7.5A ECU–IG
IG1 Relay
120A ALT
FL MAIN
3. 0W
Battery
FAN
NO. 3
Relay
FAN
NO. 1
Relay
FAN
NO. 2
Relay
D 4
Diode
(Fan)
J 1
Junction
Connector
R 1
Radiator
Fan Motor
A 2
A/C Condenser
Fan Motor
A/C Control Assembly
<47–5><48–8><49–7>
Engine and ECT ECU (A/T)
<5–12><6–11>
Engine ECU (M/T)
<5–12><6–11>
Left Kick Panel
Engine Compartment
Left


Power Source
Radiator Fan (1ZZ–FE, 3ZZ–FE)
1
2
3
4
ACC
AM1
IG1
I13
Ignition SW
W–R
G–R
G–Y
R–L
40A RDI
25A AM1
7. 5A ECU–IG
IG1 Relay
B–G
100A ALT
FL MAIN
3. 0W
Battery
FAN
NO. 3
Relay
FAN
NO. 2
Relay
D 4
Diode
(Fan)
J 1
Junction
Connector
A/C Control Assembly
<47–5><48–8><49–7>
R 1
Radiator
Fan Motor
R 2
Radiator Fan Resistor
Engine and ECT ECU
(A/T)<7–8>
Engine ECU (M/T)
<7–8>
Left Kick Panel
Engine Compartment Left
W–B
B
L
W

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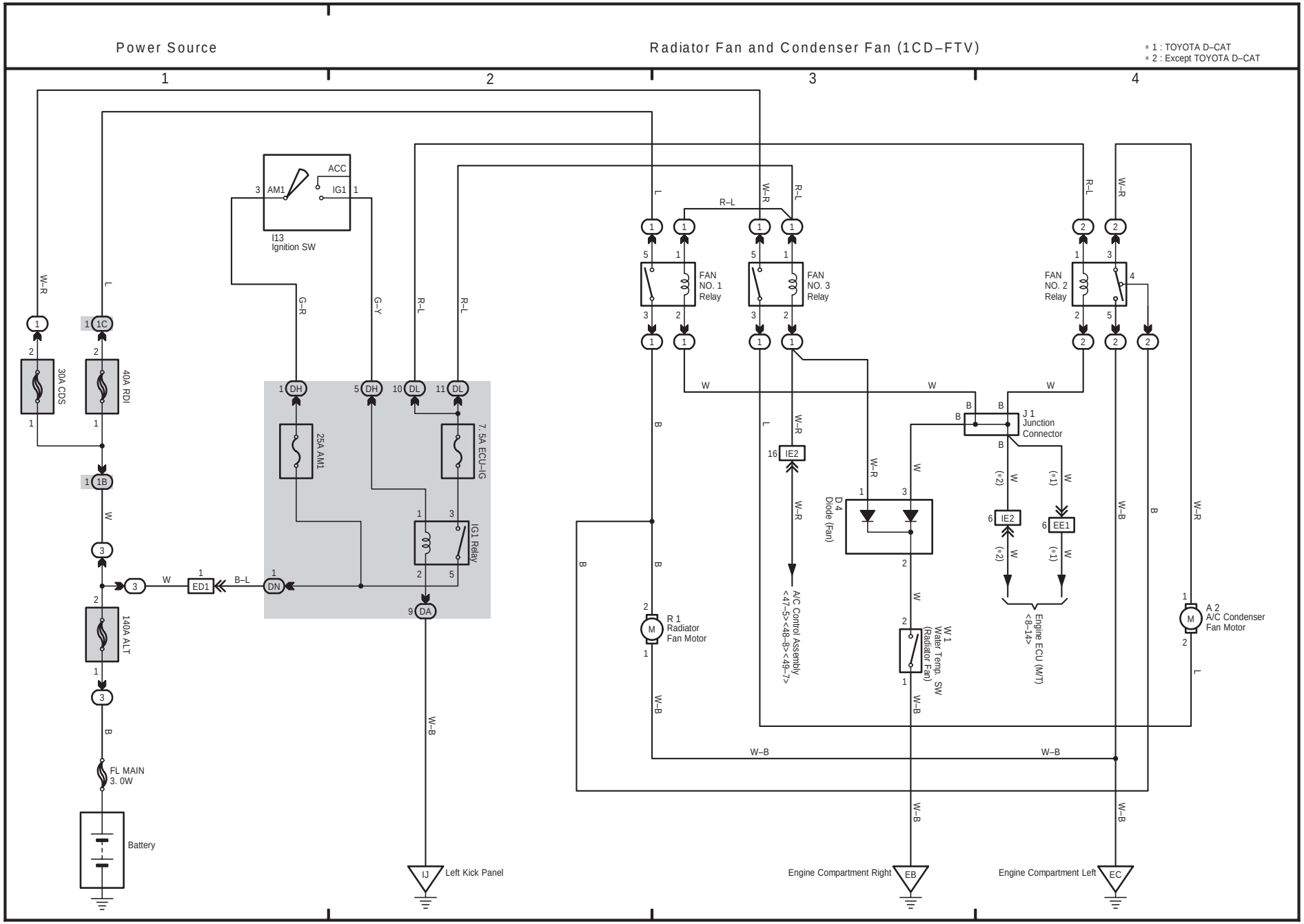
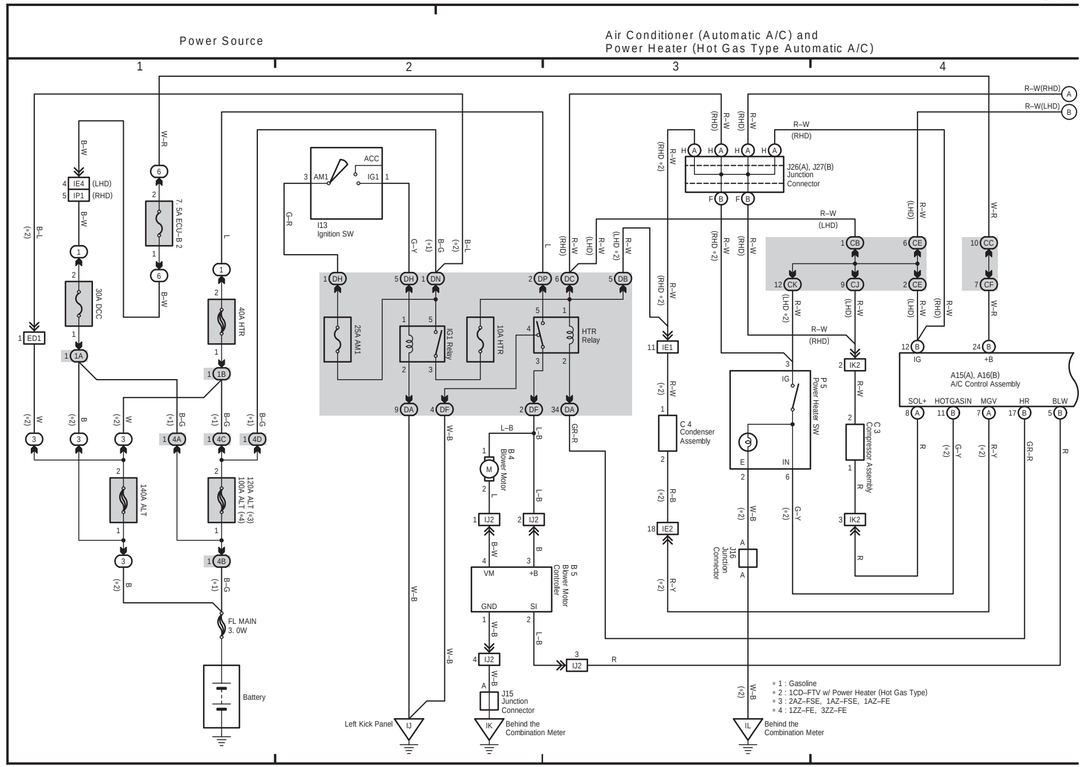
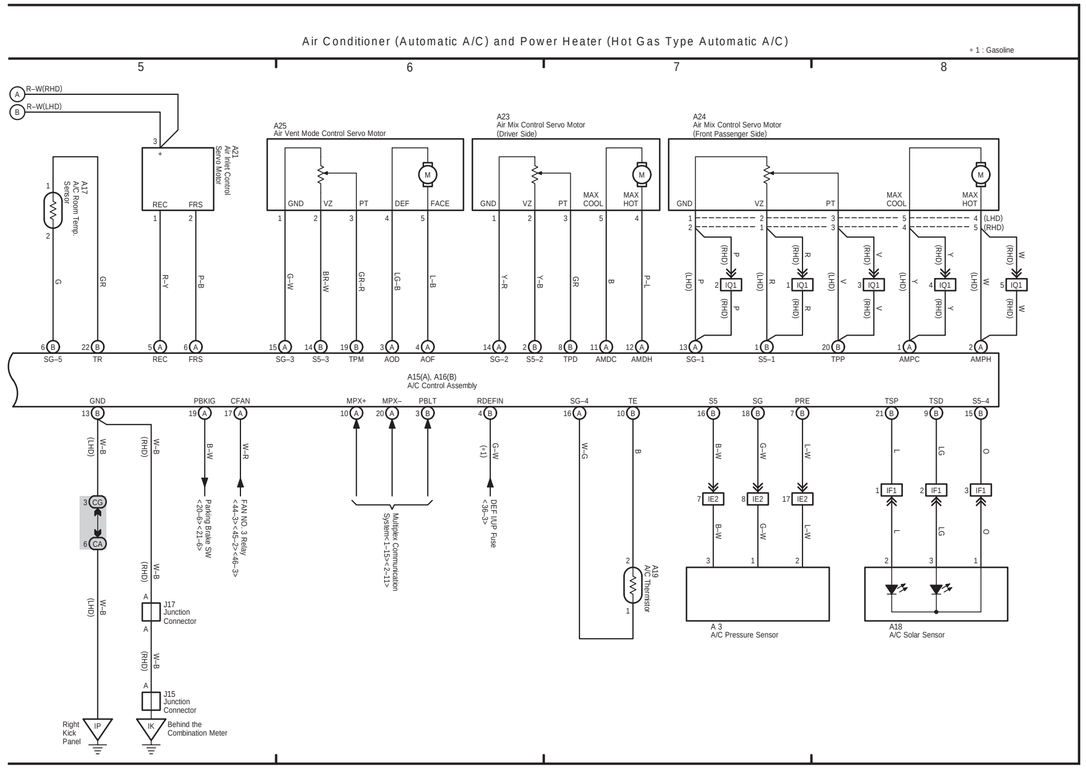
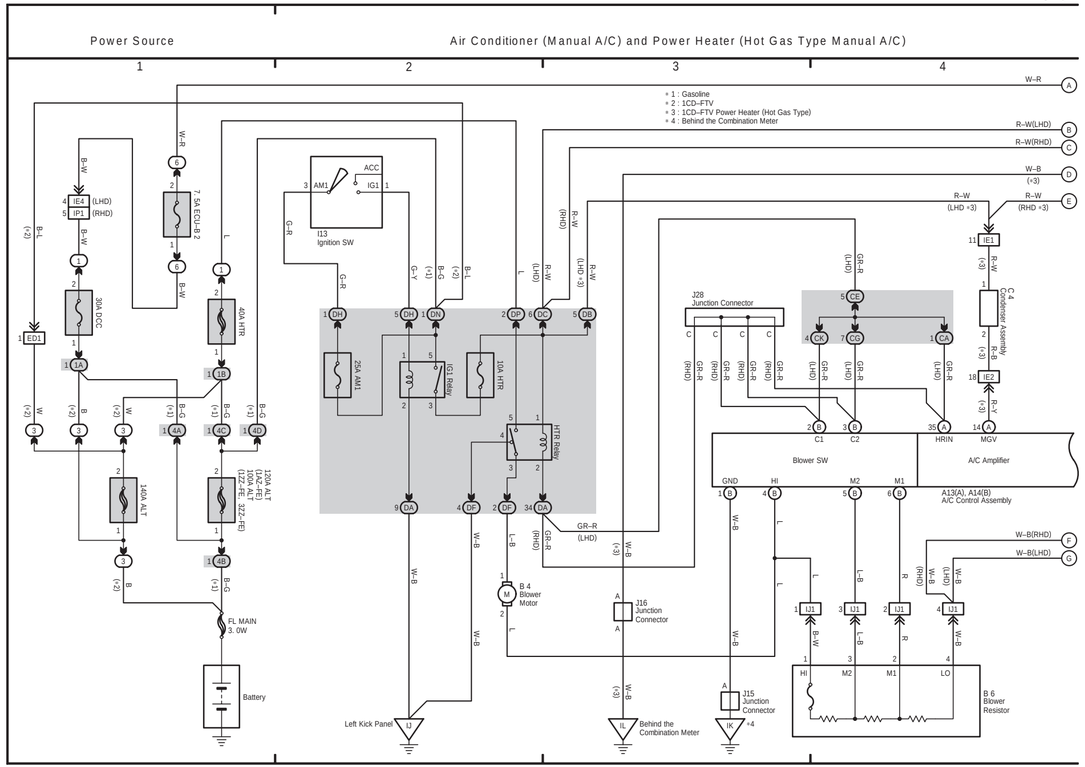
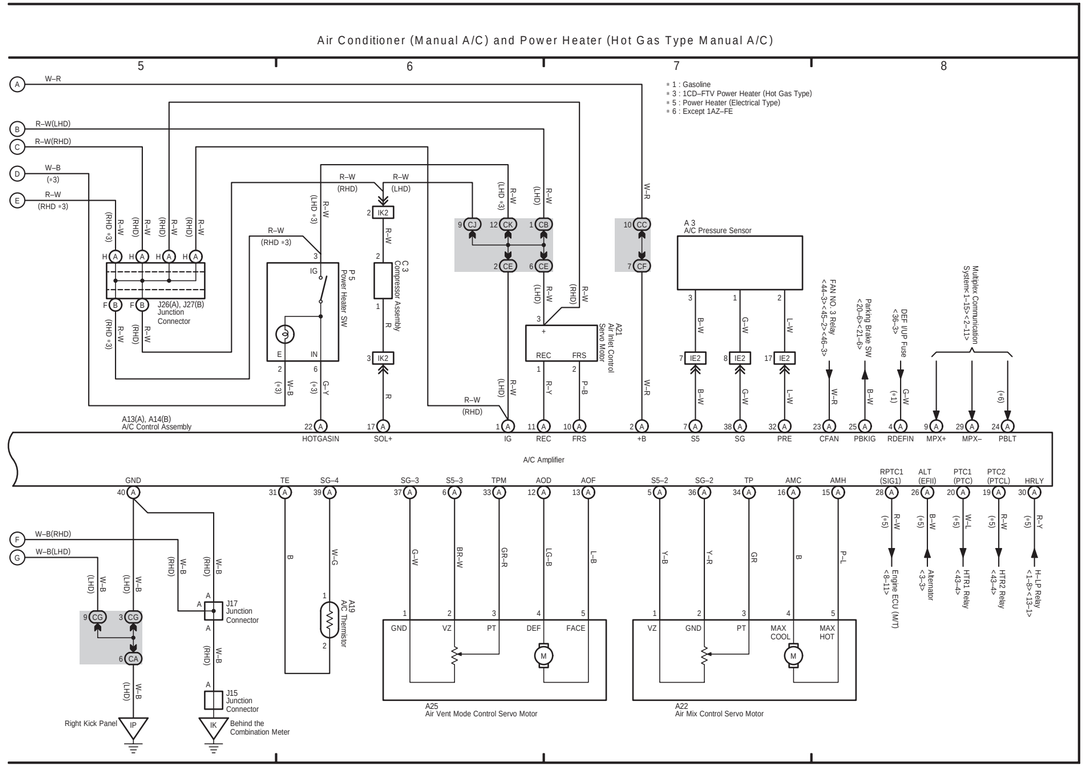

Power Source
Radiator Fan and Condenser Fan (1CD–FTV)
* 1 : TOYOTA D–CAT
* 2 : Except TOYOTA D–CAT
1
2
3
4
ACC
AM1
IG1
I13
Ignition SW
30A CDS
40A RDI
140A ALT
FL MAIN
3. 0W
Battery
25A AM1
7. 5A ECU–IG
IG1 Relay
ED1
DN
DH
DL
DA
FAN
NO. 1
Relay
FAN
NO. 3
Relay
FAN
NO. 2
Relay
D 4
Diode (Fan)
J 1
Junction
Connector
IE2
EE1
A/C Control Assembly
<47–5><48–8><49–7>
Engine ECU (M/T)
<8–14>
R 1
Radiator
Fan Motor
W 1
Water Temp. SW
(Radiator Fan)
A 2
A/C Condenser
Fan Motor
Left Kick Panel
IJ
Engine Compartment Right
EB
Engine Compartment Left
EC

(Cont. next page)

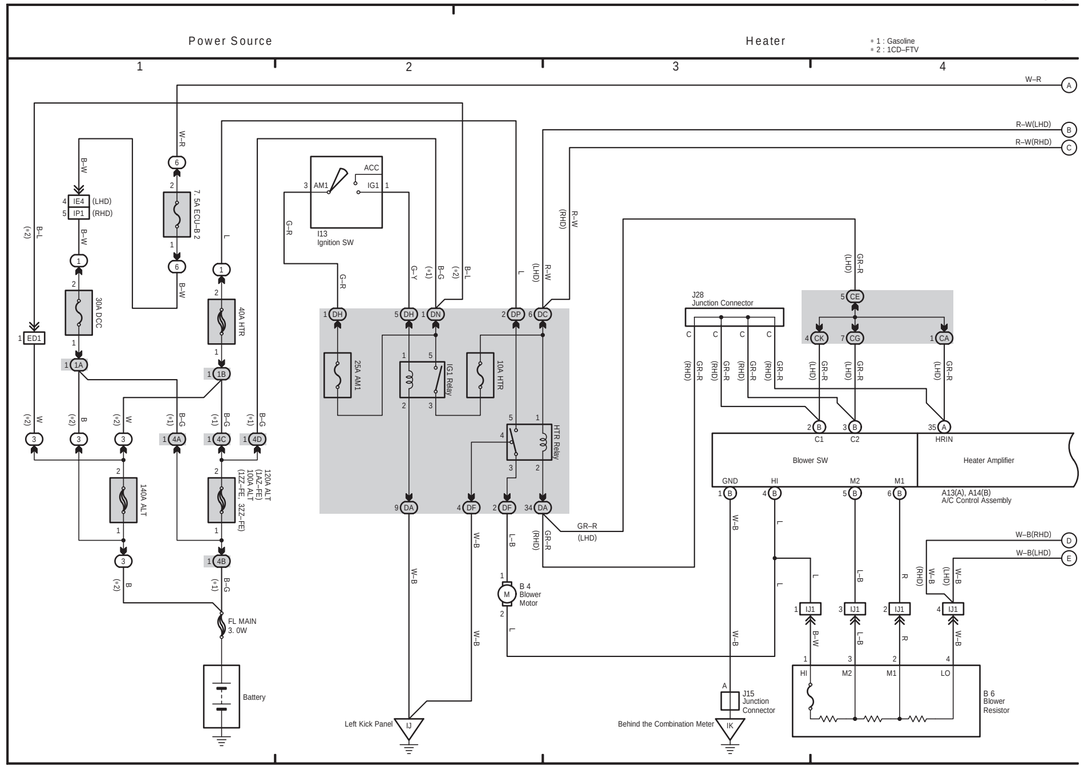


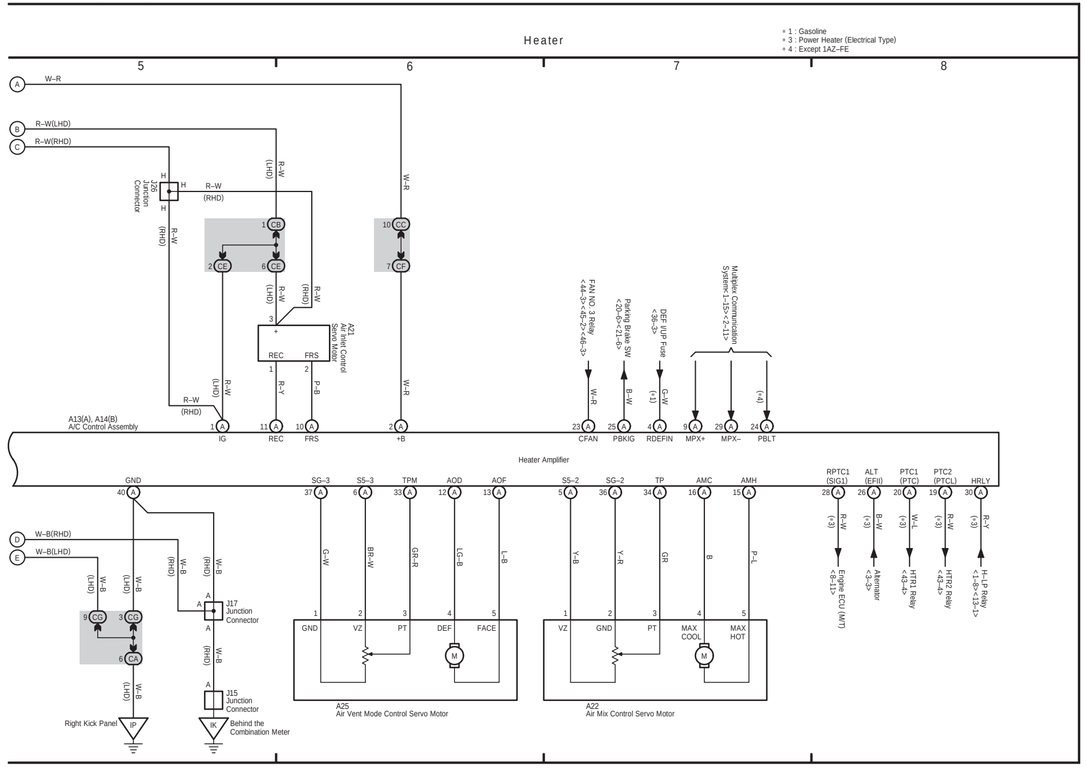



Power Source
Air Conditioner (Manual A/C) and Power Heater (Hot Gas Type Manual A/C)
1
2
3
4
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 1CD–FTV Power Heater (Hot Gas Type)
* 4 : Behind the Combination Meter
W–R
R–W(LHD)
R–W(RHD)
W–B (+3)
R–W (LHD +3)
R–W (RHD +3)
I13 Ignition SW
ACC
AM1
IG1
7.5A ECU–B 2
30A DCC
40A HTR
25A AM1
10A HTR
IG1 Relay
HTR Relay
140A ALT
120A ALT (1AZ–FE) 100A ALT (2AZ–FE, 3ZZ–FE)
FL MAIN 3. 0W
Battery
J28 Junction Connector
C4 Condenser Assembly
Blower SW
A/C Amplifier
A13(A), A14(B) A/C Control Assembly
B 4 Blower Motor
J16 Junction Connector
J15 Junction Connector
B 6 Blower Resistor
Left Kick Panel
Behind the Combination Meter
*4


Air Conditioner (Manual A/C) and Power Heater (Hot Gas Type Manual A/C)
5
6
7
8
* 1 : Gasoline
* 3 : 1CD–FTV Power Heater (Hot Gas Type)
* 5 : Power Heater (Electrical Type)
* 6 : Except 1AZ–FE
126(A), J27(B) Junction Connector
C 3 Compressor Assembly
P 5 Power Heater SW
A2 Air Inlet Control Servo Motor
A 3 A/C Pressure Sensor
A13(A), A14(B) A/C Control Assembly
A/C Amplifier
HOTGASIN
SOL+
IG
REC
FRS
+B
SS
SG
PRE
CFAN
PBKIG
RDEFIN
MPX+
MPX–
PBLT
J17 Junction Connector
A19 Ambient Thermistor
J15 Junction Connector
Behind the Combination Meter
Right Kick Panel
A25 Air Vent Mode Control Servo Motor
A22 Air Mix Control Servo Motor
FAN NO. 3 Relay <44-3><45-2><46-3>
Parking Brake SW <20-6><21-6>
DEF U/P Fuse <36-3>
Multiplex Communication System<-15><-11>
Engine ECU (M/T) <8–11>
Alternator <3–3>
HTR1 Relay <43–4>
HTR2 Relay <43–4>
H–LP Relay <13-3><13-2>
H

(Cont. next page)





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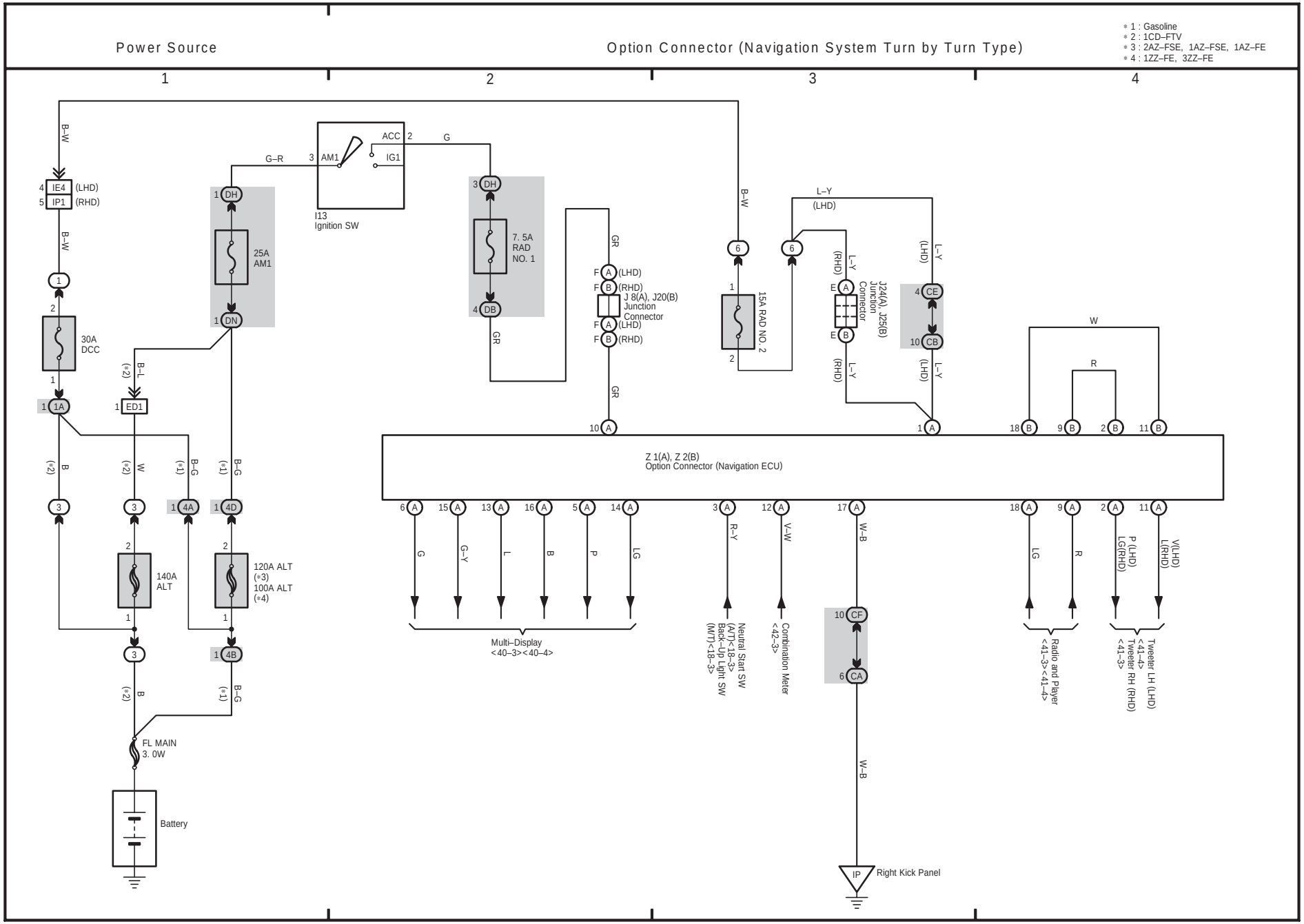
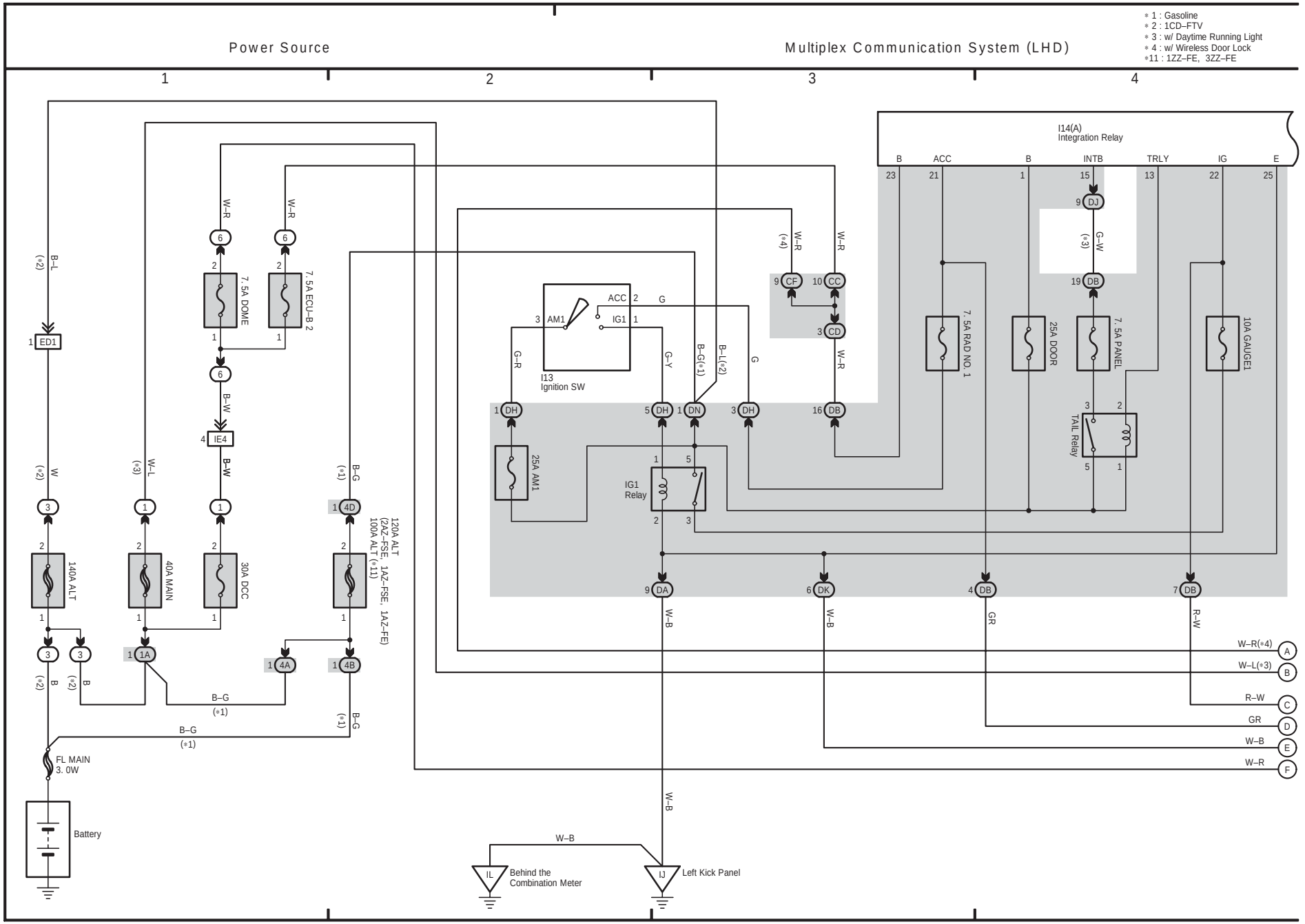

Power Source
Option Connector (Navigation System Turn by Type)
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
1
2
3
4
B–W
G–R
G
ACC
AM1
IG1
I13
Ignition SW
IE4 (LHD)
IP1 (RHD)
25A AM1
7. 5A RAD NO. 1
30A DCC
B–L (*2)
ED1
1A
4A
4D
4B
140A ALT
120A ALT (*3) 100A ALT (*4)
FL MAIN 3. 0W
Battery
GR
J 8(A), J20(B) Junction Connector
15A RAD NO. 2
L–Y (LHD)
L–Y (RHD)
124(A), 125(B) Junction Connector
CE
CB
W
R
Z 1(A), Z 2(B) Option Connector (Navigation ECU)
G
G–Y
L
B
P
LG
R–Y
V–W
W–B
Multi–Display <40–3><40–4>
Neutral Start SW (A/T)<18–3> Back–Up Light SW (M/T)<18–3>
Combination Meter <42–3>
CF
CA
IP
Right Kick Panel
LG
R
P (LHD) LG(RHD)
V(LHD) L(RHD)
Radio and Player <41–3><41–4>
Tweeter RH (RHD) <41–3>
Tweeter LH (LHD) <41–4>

1 AVENSIS

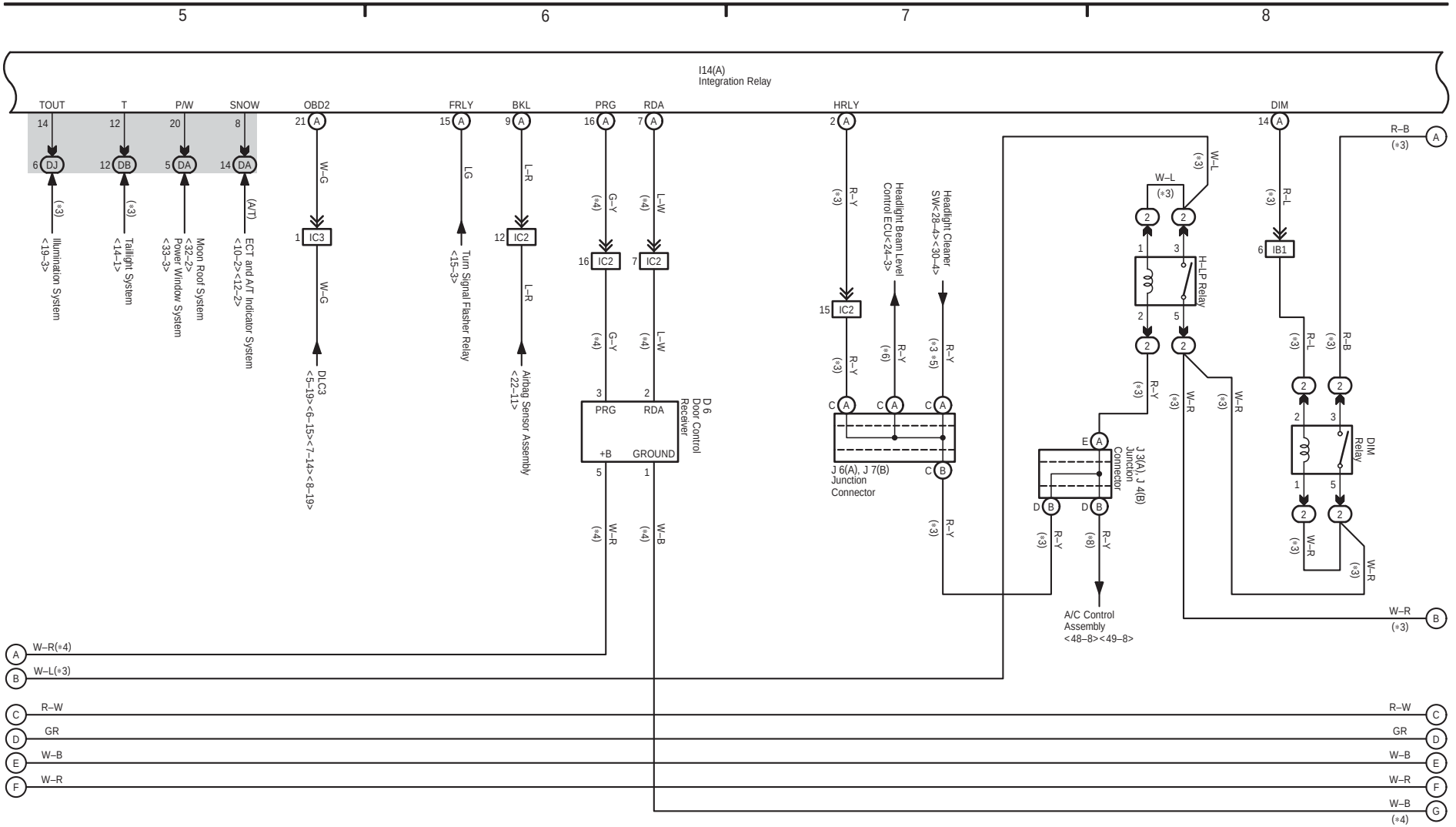
(Cont. next page)



(Cont. next page)

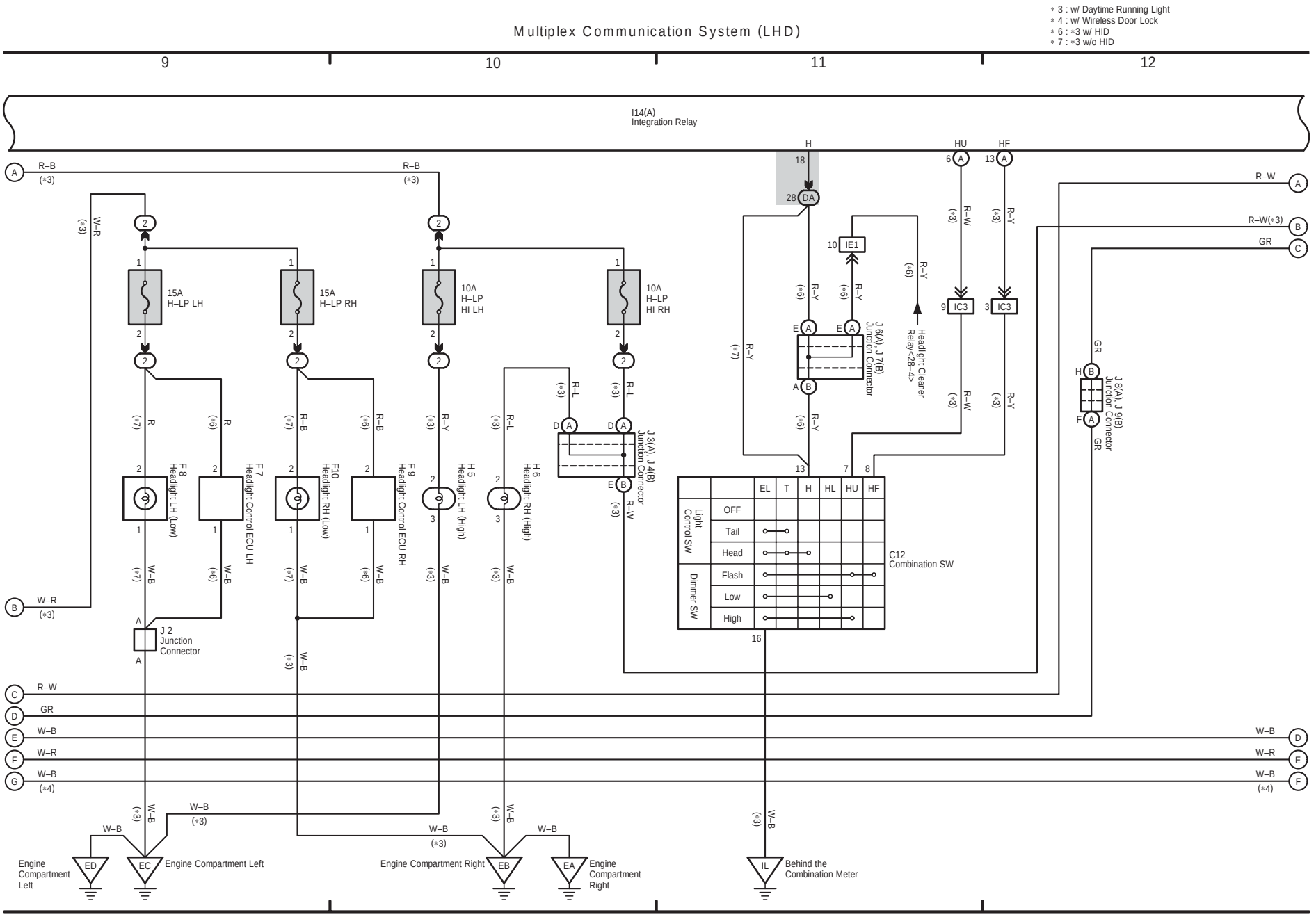
Multiplex Communication System (LHD)

∗ 3 : w/ Daytime Running Light
∗ 4 : w/ Wireless Door Lock
∗ 5 : w/ Headlight Cleaner
∗ 6 : ∗3 w/ HID
∗ 8 : ∗3 Power Heater (Electrical Type)



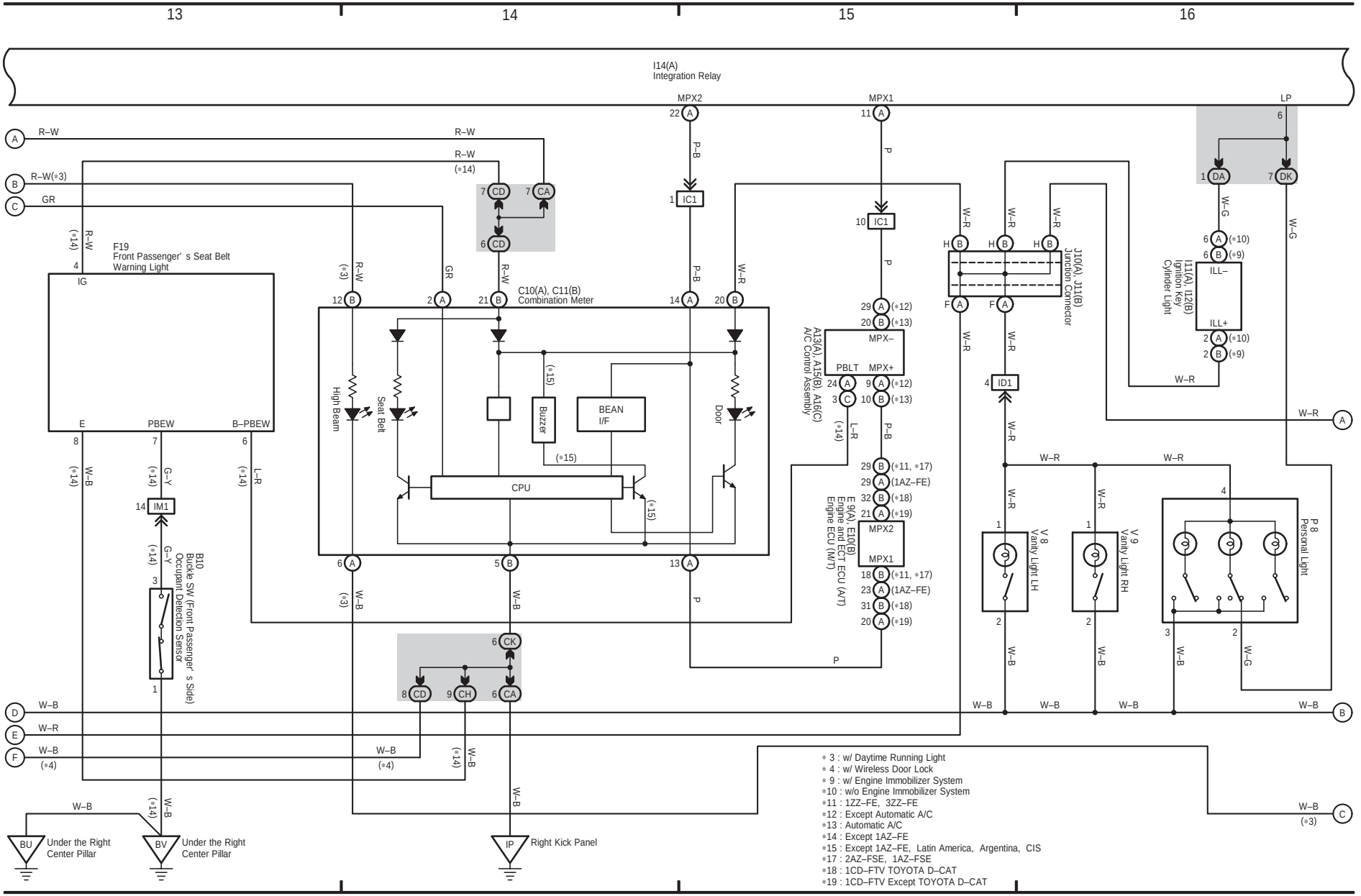
1 AVENSIS (Cont' d)

(Cont. next page)



(Cont. next page)

Multiplex Communication System (LHD)

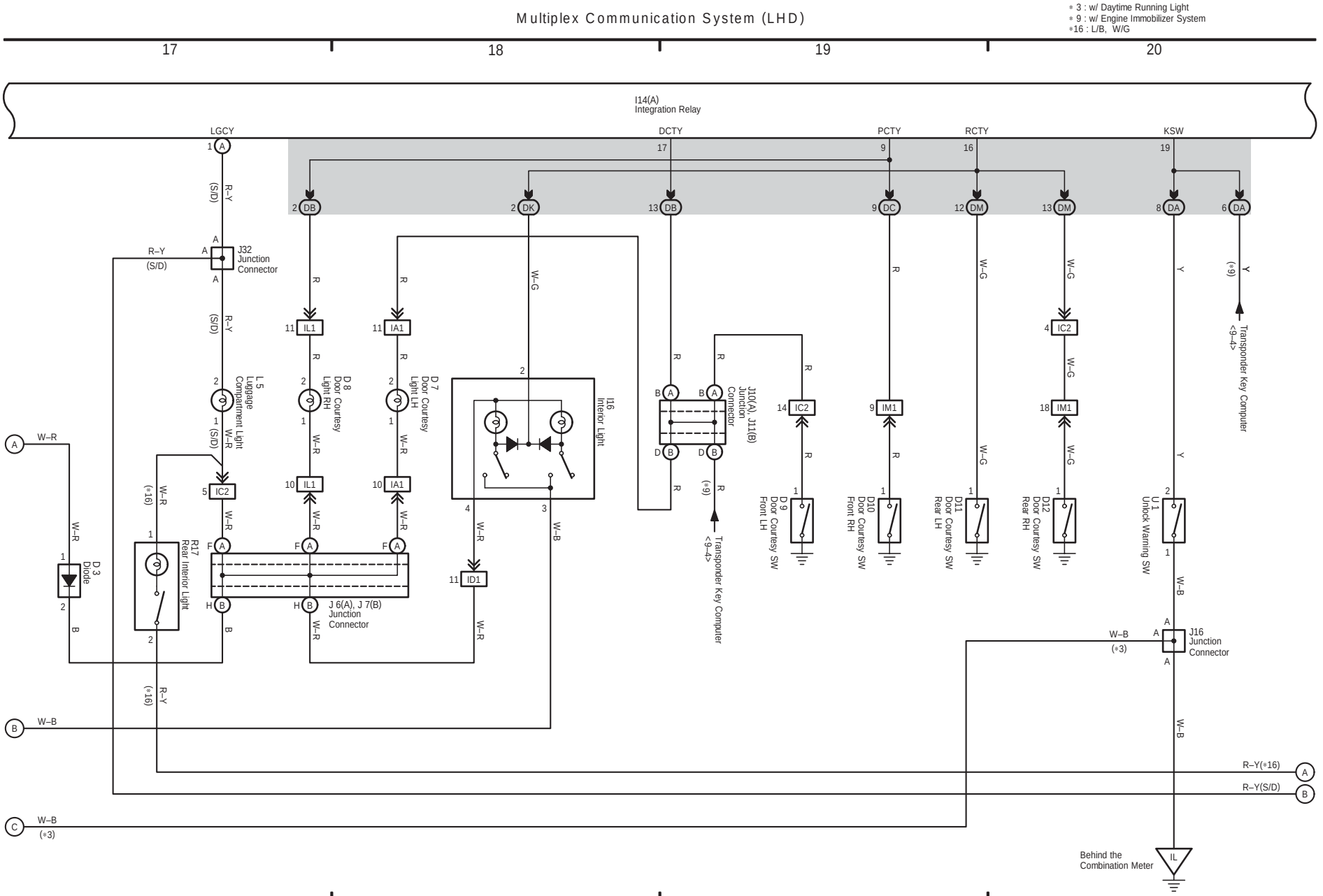


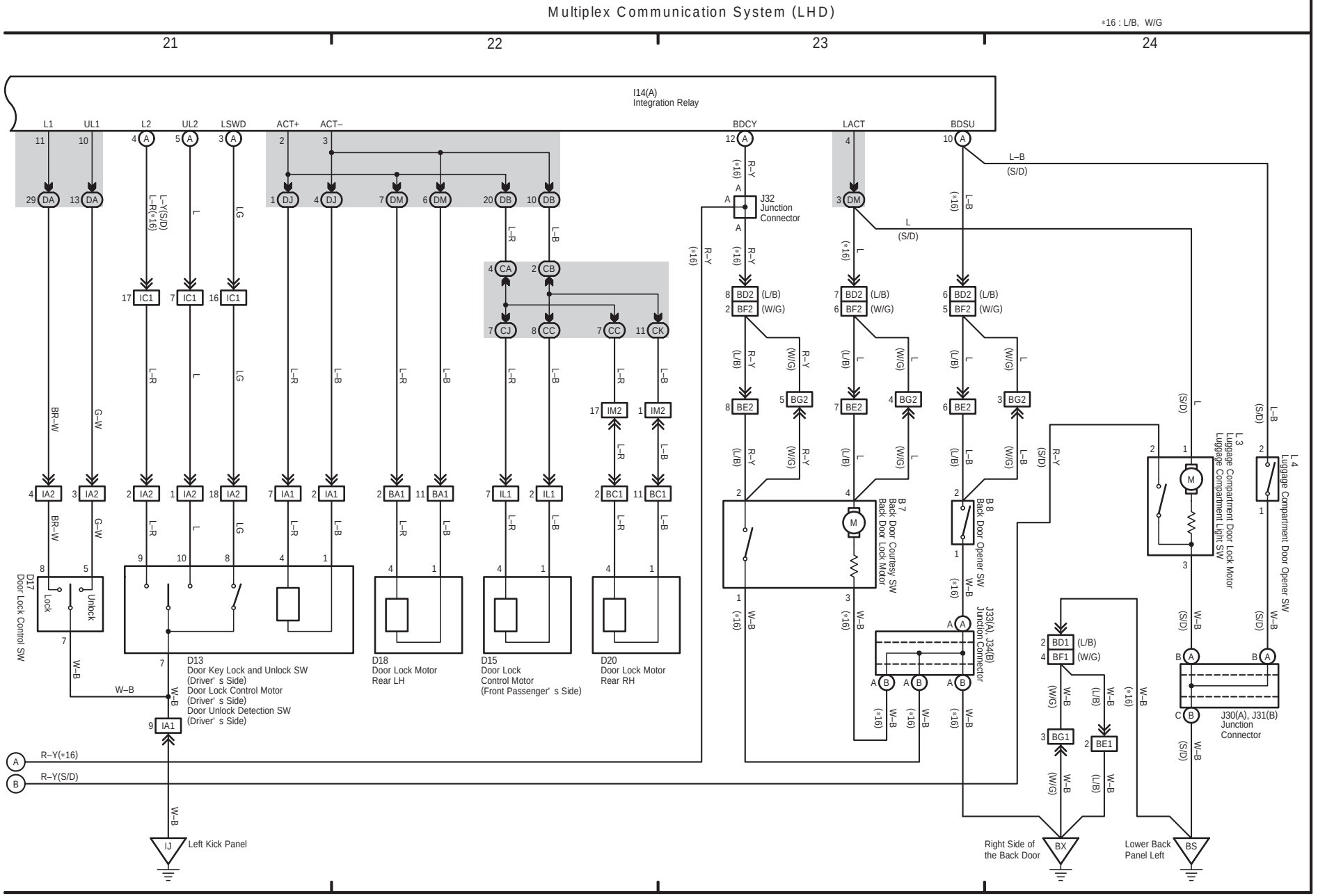
1 AVENSIS (Cont' d)

(Cont. next page)

Multiplex Communication System (LHD)

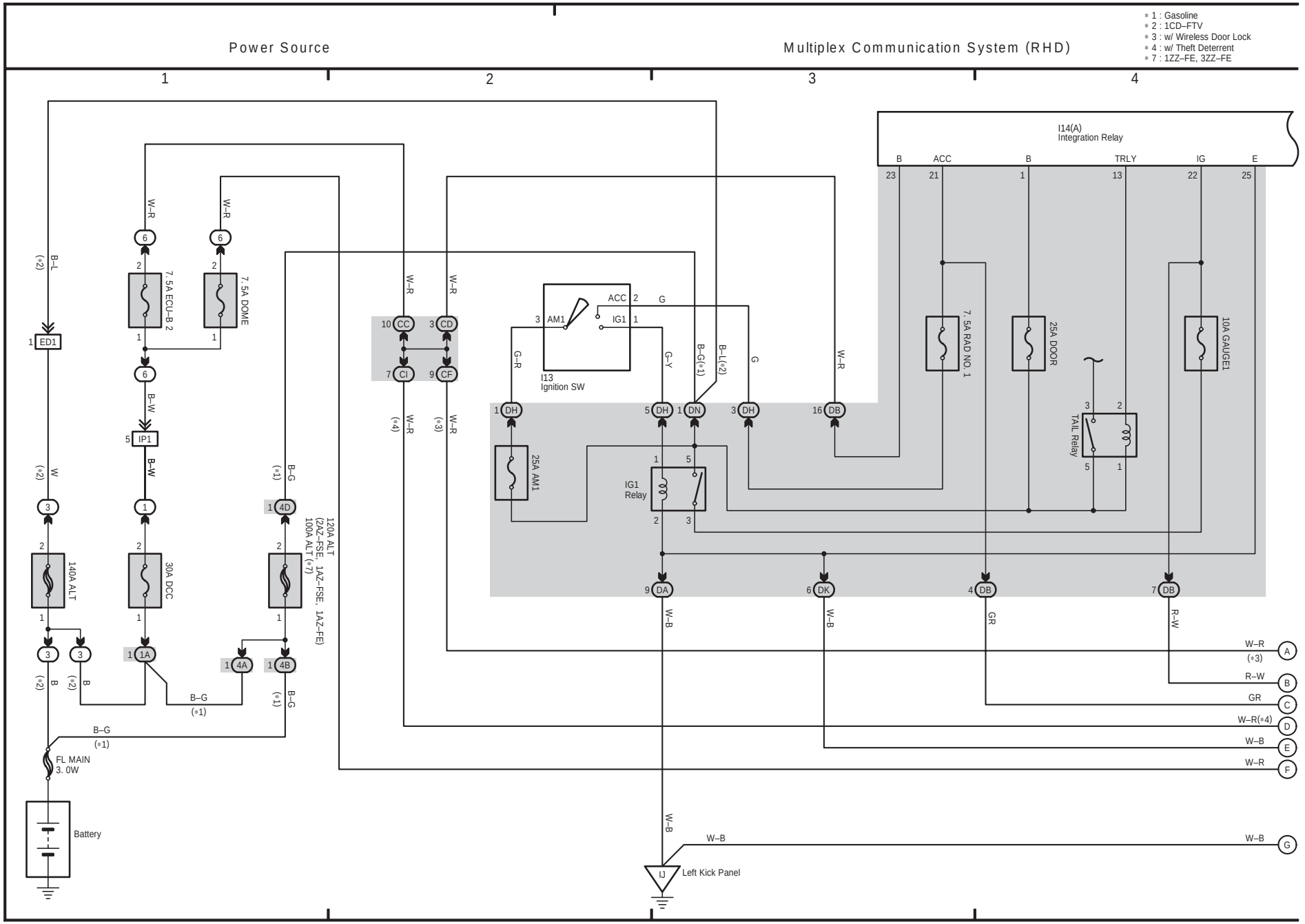
∗ 3 : w/ Daytime Running Light
∗ 9 : w/ Engine Immobilizer System
∗16 : L/B, W/G




Multiplex Communication System (LHD)
*16 : L/B, W/G
21
22
23
24
I14(A)
Integration Relay
L1
UL1
L2
UL2
LSWD
ACT+
ACT–
BDCY
LACT
BDSU
J32
Junction
Connector
D17
Door Lock Control SW
Lock
Unlock
D13
Door Key Lock and Unlock SW
(Driver' s Side)
Door Lock Control Motor
(Driver' s Side)
Door Unlock Detection SW
(Driver' s Side)
D18
Door Lock Motor
Rear LH
D15
Door Lock
Control Motor
(Front Passenger' s Side)
D20
Door Lock Motor
Rear RH
B7
Back Door Courtesy SW
Back Door Lock Motor
B8
Back Door Opener SW
J33(A), J34(B)
Junction Connector
L3
Luggage Compartment Door Lock Motor
Luggage Compartment Light SW
L4
Luggage Compartment Door Opener SW
J30(A), J31(B)
Junction
Connector
Left Kick Panel
Right Side of
the Back Door
Lower Back
Panel Left

2 AVENSIS

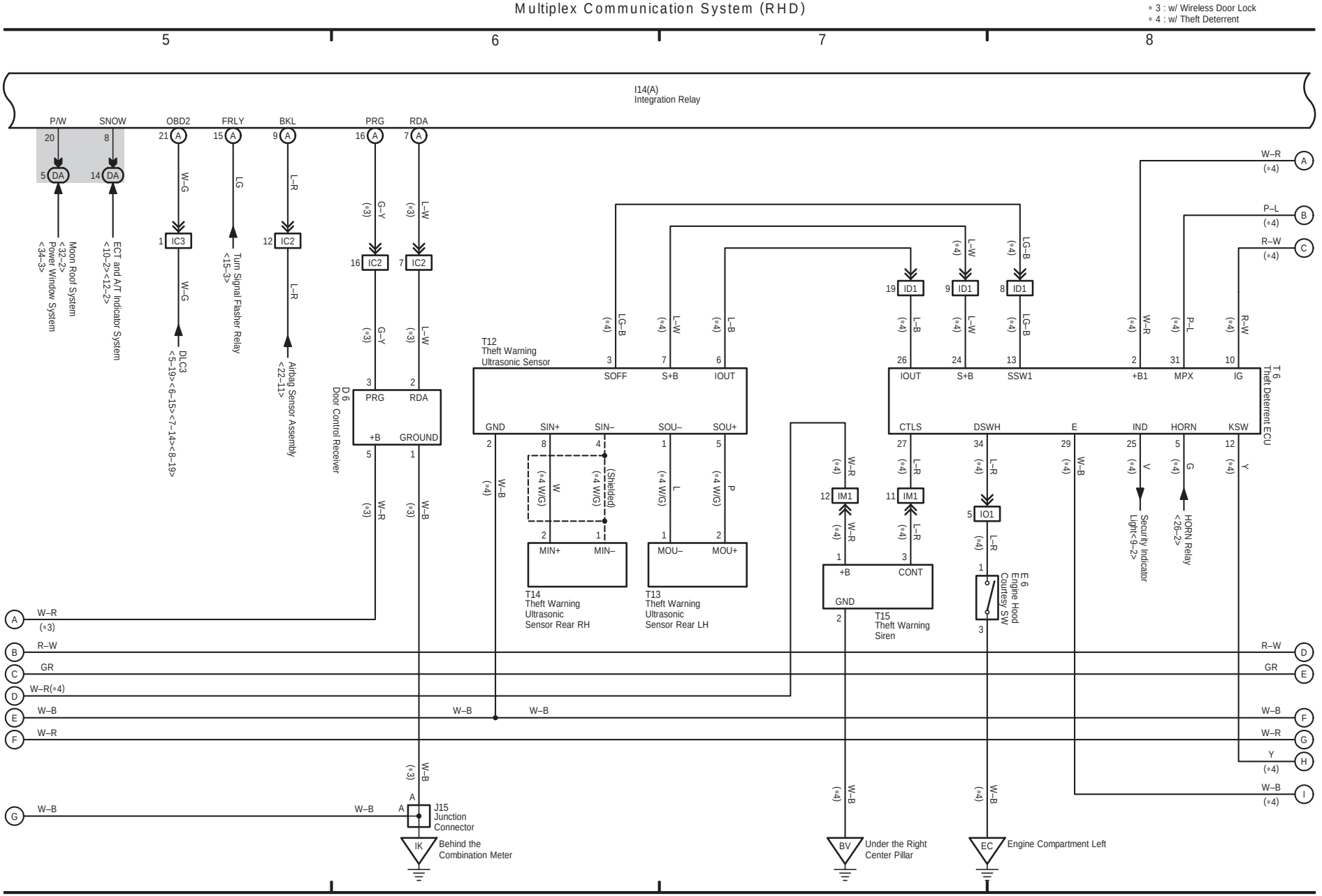
(Cont. next page)



(Cont. next page)

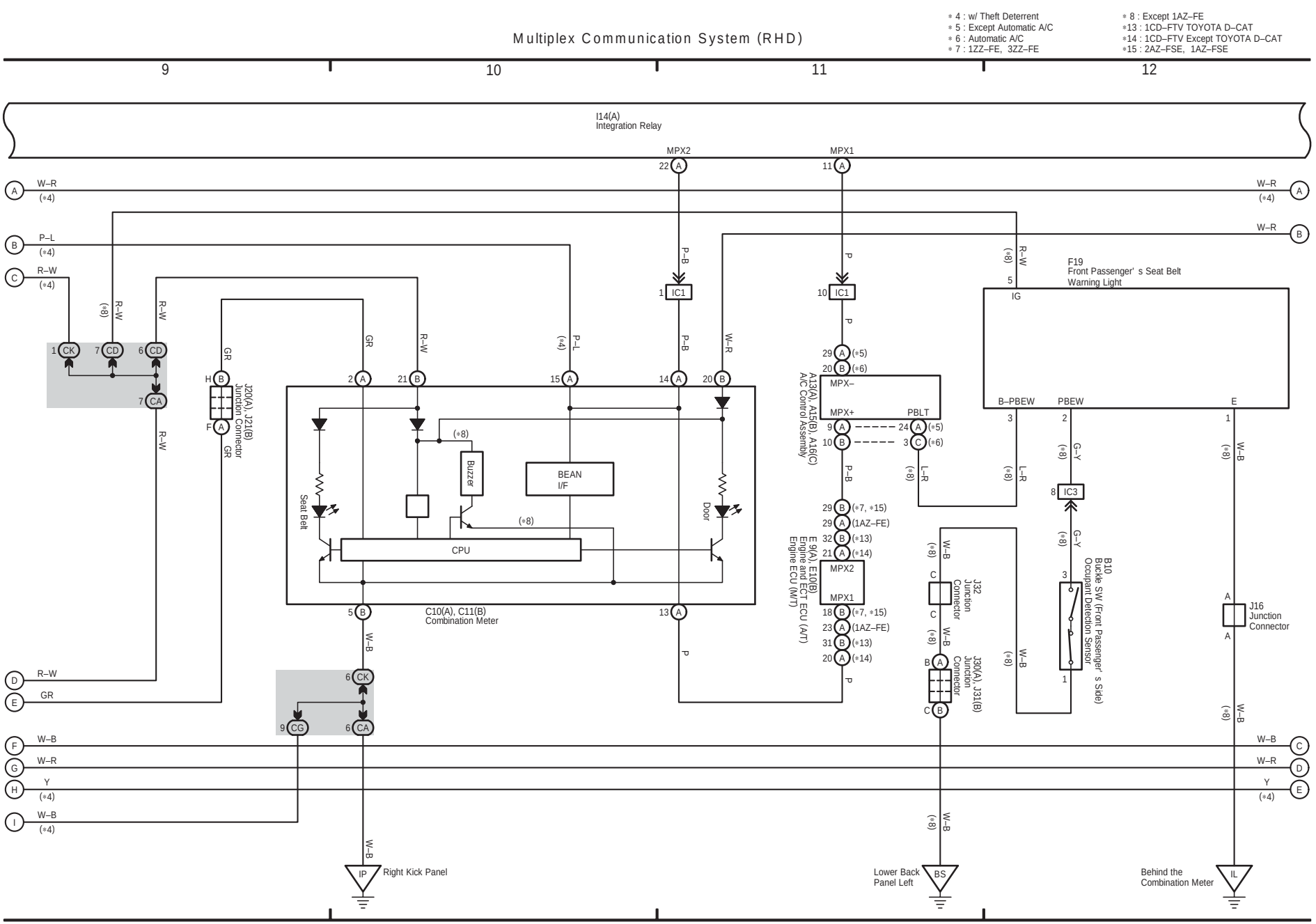
Multiplex Communication System (RHD)

* 3 : w/ Wireless Door Lock
* 4 : w/ Theft Deterrent



2 AVENSIS (Cont' d)

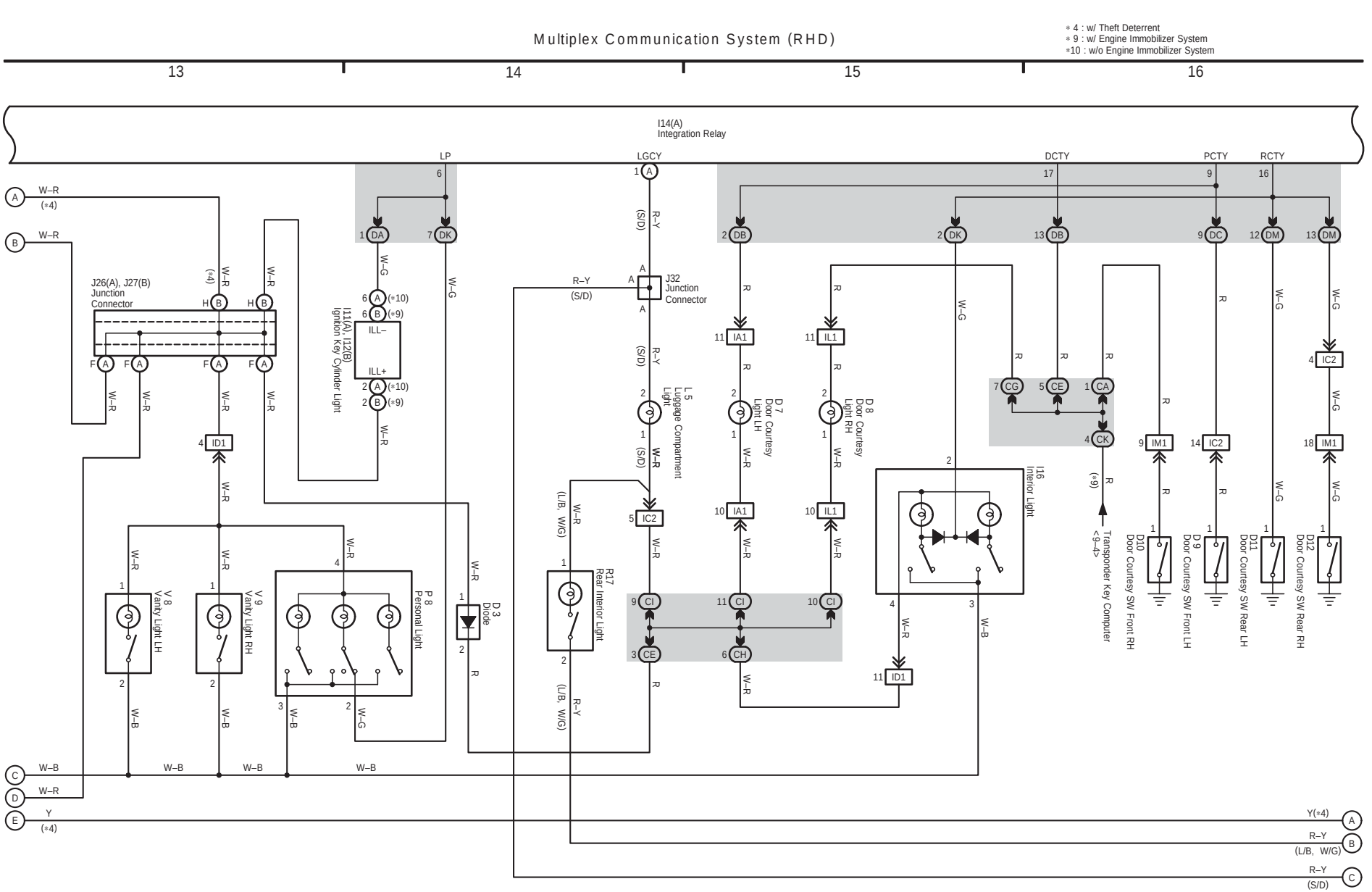
(Cont. next page)



(Cont. next page)

Multiplex Communication System (RHD)

∗ 4 : w/ Theft Deterrent
∗ 9 : w/ Engine Immobilizer System
∗10 : w/o Engine Immobilizer System

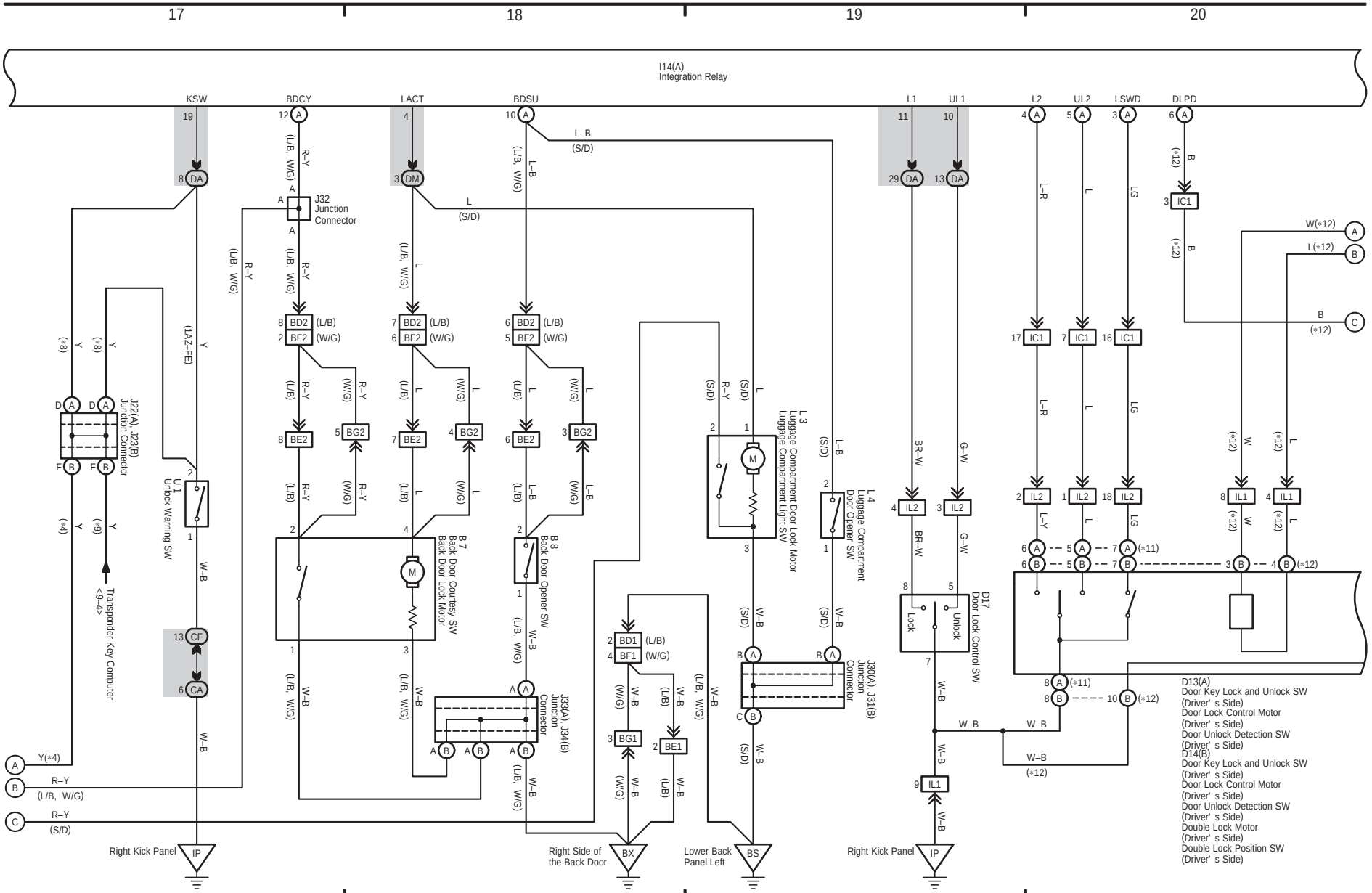


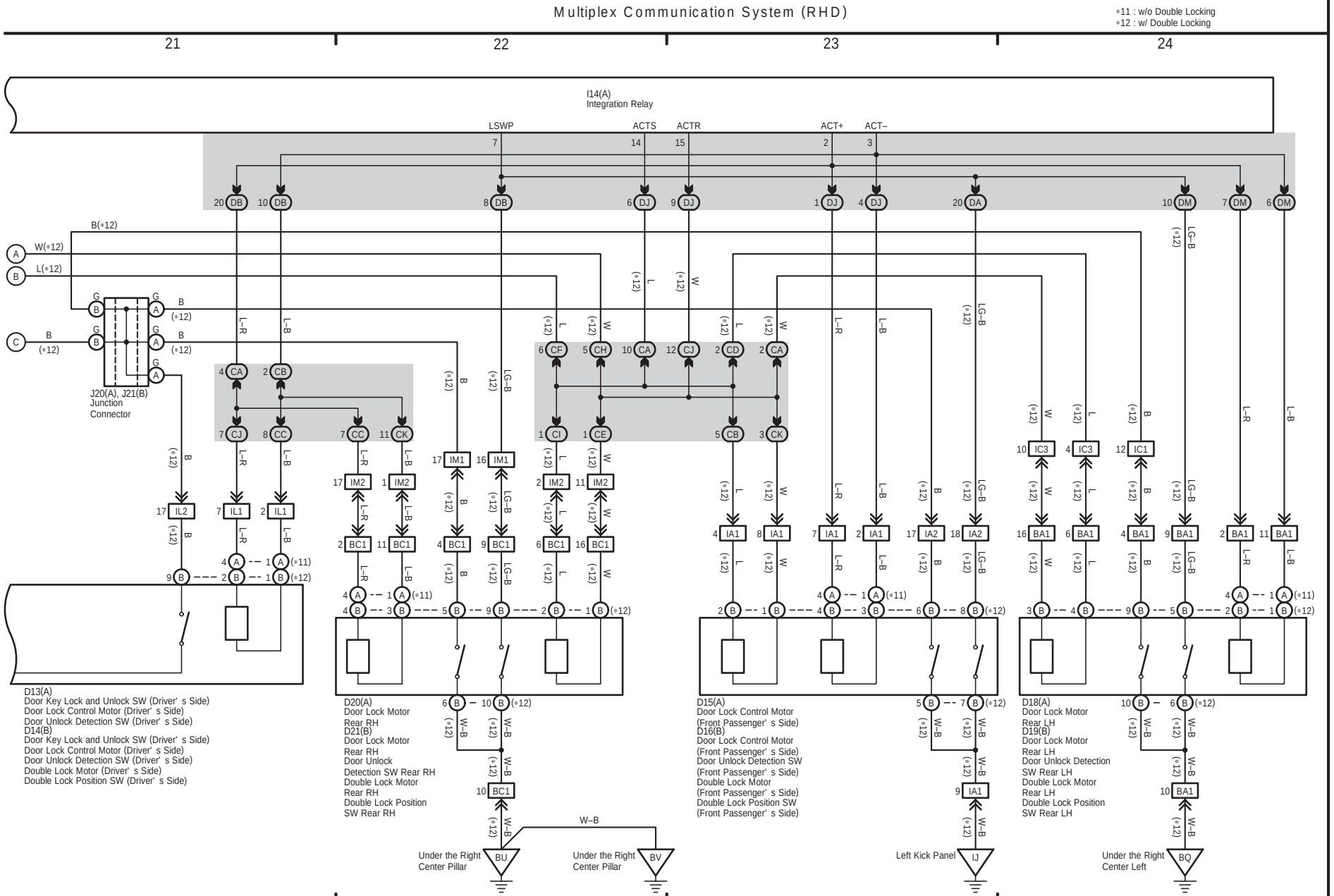
2 AVENSIS (Cont' d)

(Cont. next page)

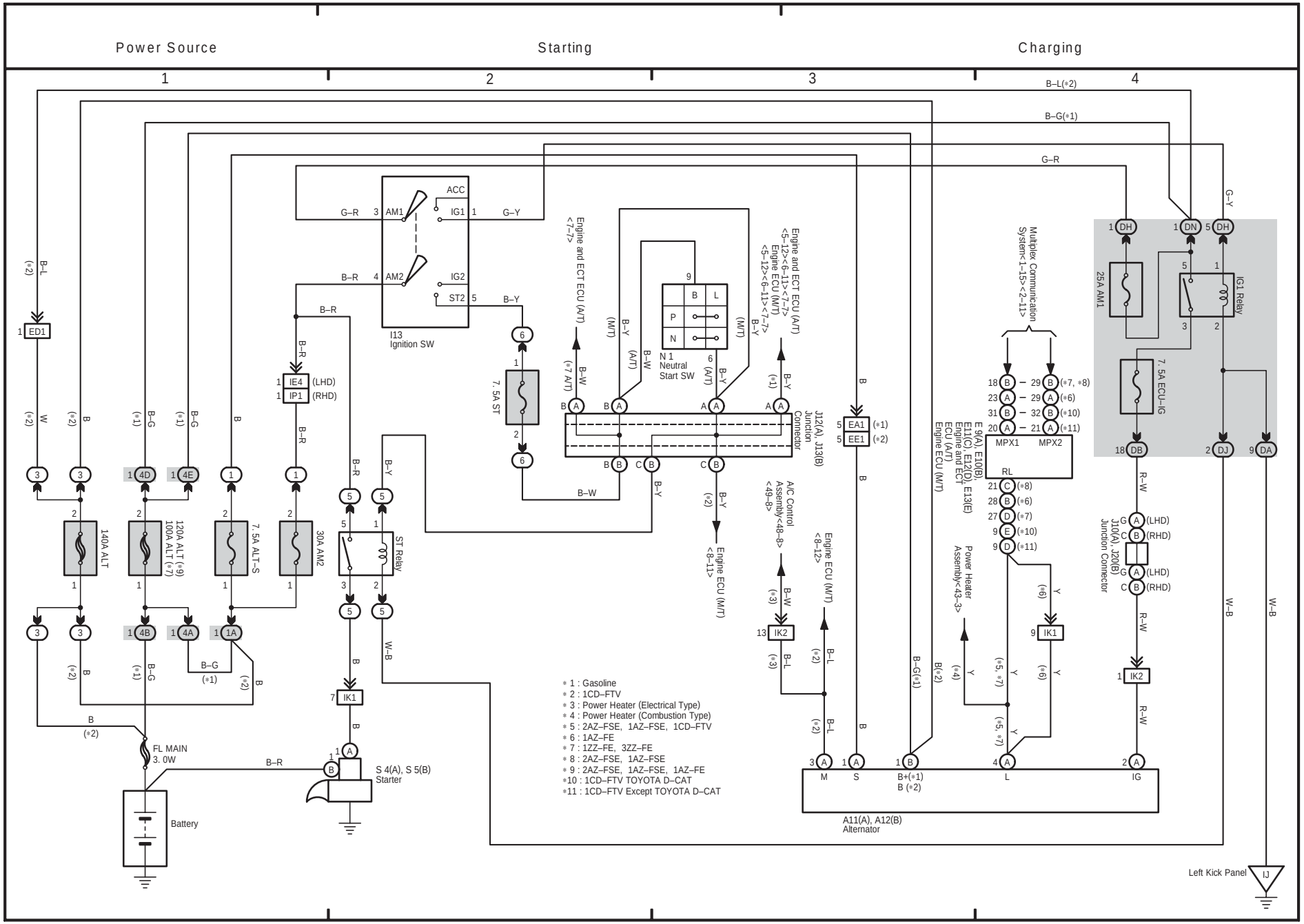
Multiplex Communication System (RHD)

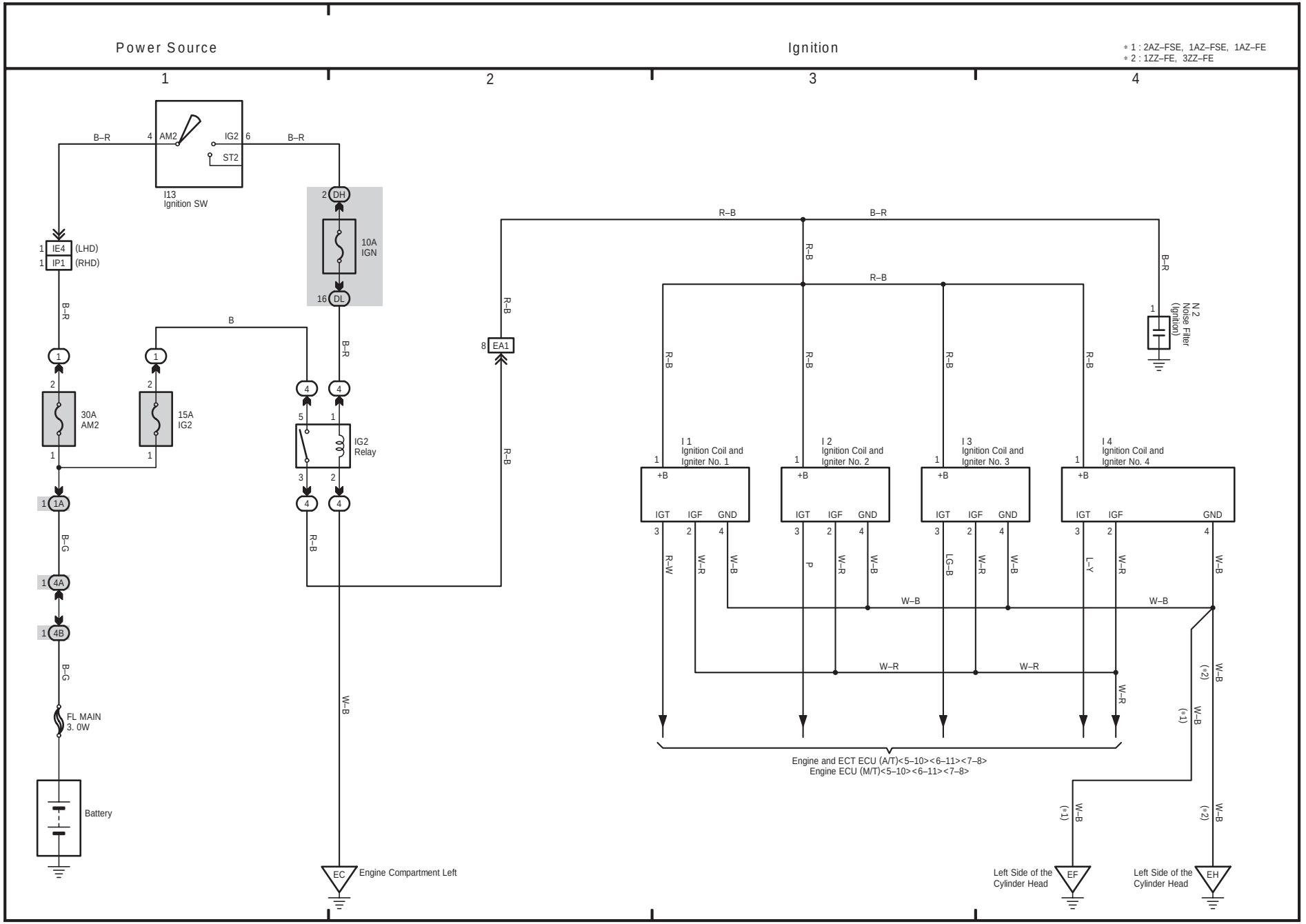
∗ 4 : w/ Theft Deterrent
∗ 8 : Except 1AZ–FE
∗ 9 : w/ Engine Immobilizer System
∗11 : w/o Double Locking
∗12 : w/ Double Locking



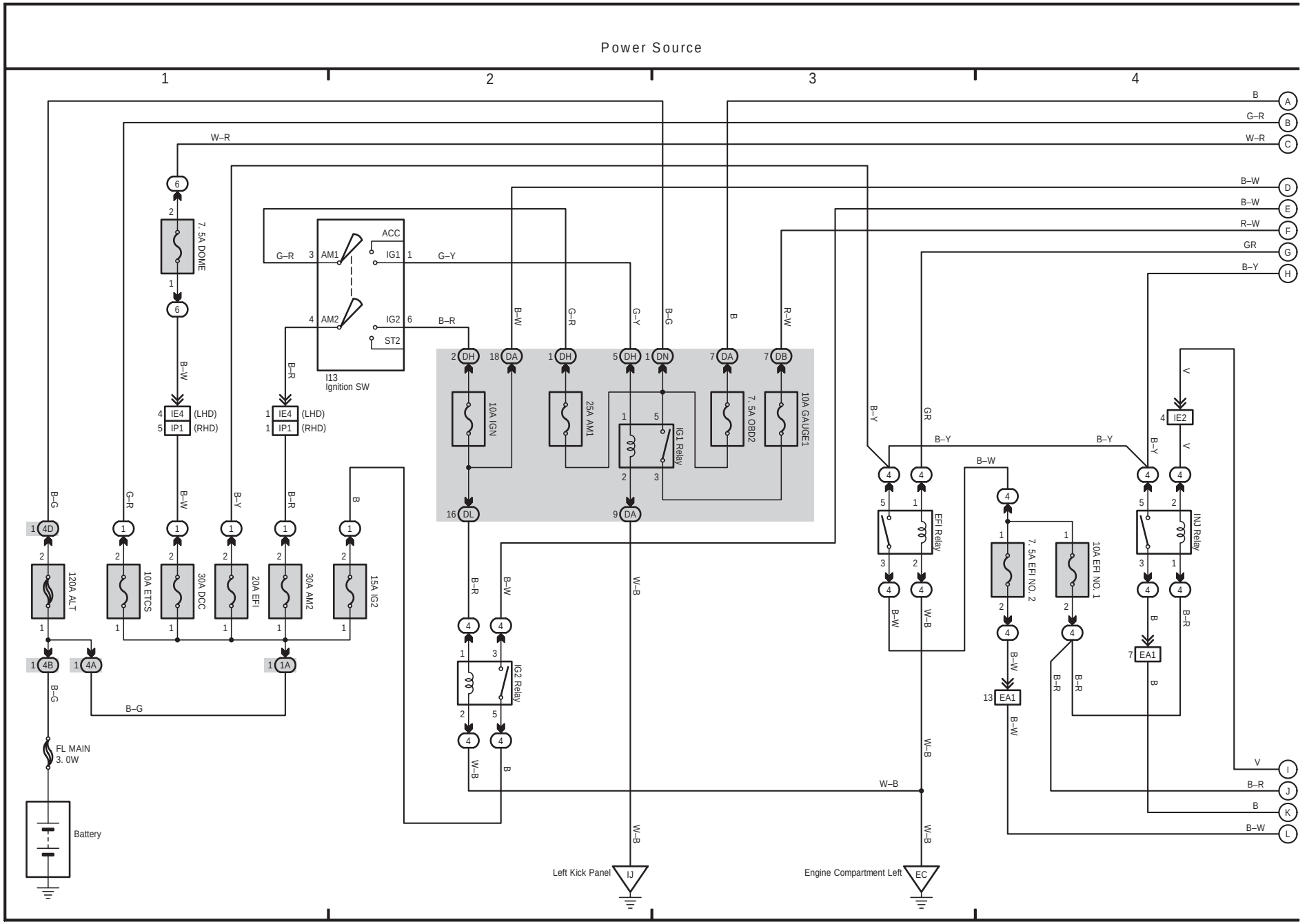

Multiplex Communication System (RHD)
*11 : w/o Double Locking
*12 : w/ Double Locking
21
22
23
24
I14(A)
Integration Relay
LSWP
ACTS
ACTR
ACT+
ACT–
B(*12)
W(*12)
L(*12)
J20(A), J21(B)
Junction
Connector
D13(A)
Door Key Lock and Unlock SW (Driver' s Side)
Door Lock Control Motor (Driver' s Side)
Door Unlock Detection SW (Driver' s Side)
D14(B)
Door Key Lock and Unlock SW (Driver' s Side)
Door Lock Control Motor (Driver' s Side)
Door Unlock Detection SW (Driver' s Side)
Double Lock Motor (Driver' s Side)
Double Lock Position SW (Driver' s Side)
D20(A)
Door Lock Motor
Rear RH
D21(B)
Door Lock Motor
Rear RH
Door Unlock
Detection SW Rear RH
Double Lock Motor
Rear RH
Double Lock Position
SW Rear RH
D15(A)
Door Lock Control Motor
(Front Passenger' s Side)
D16(B)
Door Lock Control Motor
(Front Passenger' s Side)
Door Unlock Detection SW
(Front Passenger' s Side)
Double Lock Motor
(Front Passenger' s Side)
Double Lock Position SW
(Front Passenger' s Side)
D18(A)
Door Lock Motor
Rear LH
D19(B)
Door Lock Motor
Rear LH
Door Unlock Detection
SW Rear LH
Double Lock Motor
Rear LH
Double Lock Position
SW Rear LH
W–B
Under the Right
Center Pillar
Under the Right
Center Pillar
Left Kick Panel
Under the Right
Center Left

3 AVENSIS


Power Source
Starting
Charging
1
2
3
4
B–L(*2)
B–G(*1)
G–R
G–Y
ACC
AM1
AM2
IG1
IG2
ST2
I13
Ignition SW
N 1
Neutral
Start SW
Engine and ECT ECU (A/T)
<7–7>
Engine ECU (M/T)
<5–12><6–11><7–7>
Multiplex Communication System<1–15><2–11>
25A AM1
IG1 Relay
7. 5A ECU–IG
7. 5A ST
IE4 (LHD)
IP1 (RHD)
J12(A), J13(B) Junction Connector
J10(A), J20(B) Junction Connector
MPX1
MPX2
RL
E9(A), E10(B), E11(C), E12(D), E13(E) Engine and ECT ECU (A/T) Engine ECU (M/T)
Power Heater Assembly<43–3>
A/C Control Assembly<48–8>
Engine ECU (M/T)
<8–12>
Engine ECU (M/T)
<8–11>
ED1
140A ALT
120A ALT (*9)
100A ALT (*7)
7. 5A ALT–S
30A AM2
ST Relay
IK1
IK2
EA1 (*1)
EE1 (*2)
FL MAIN
3. 0W
S 4(A), S 5(B)
Starter
Battery
A11(A), A12(B)
Alternator
M
S
B+(*1)
B (*2)
L
IG
Left Kick Panel
IJ
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : Power Heater (Electrical Type)
* 4 : Power Heater (Combustion Type)
* 5 : 2AZ–FSE, 1AZ–FSE, 1CD–FTV
* 6 : 1AZ–FE
* 7 : 1ZZ–FE, 3ZZ–FE
* 8 : 2AZ–FSE, 1AZ–FSE
* 9 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
*10 : 1CD–FTV TOYOTA D–CAT
*11 : 1CD–FTV Except TOYOTA D–CAT


Power Source
Ignition
* 1 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 2 : 1ZZ–FE, 3ZZ–FE
1
2
3
4
I13
Ignition SW
AM2
IG2
ST2
B–R
IE4 (LHD)
IP1 (RHD)
DH
DL
10A
IGN
30A
AM2
15A
IG2
IG2
Relay
B
R–B
W–B
B–G
1A
4A
4B
FL MAIN
3. 0W
Battery
EC
Engine Compartment Left
EA1
I 1
Ignition Coil and
Igniter No. 1
I 2
Ignition Coil and
Igniter No. 2
I 3
Ignition Coil and
Igniter No. 3
I 4
Ignition Coil and
Igniter No. 4
+B
IGT
IGF
GND
R–W
W–R
P
LG–B
L–Y
W–B
N 2
Noise Filter
(Ignition)
Engine and ECT ECU (A/T)<5–10><6–11><7–8>
Engine ECU (M/T)<5–10><6–11><7–8>
(*1)
(*2)
Left Side of the
Cylinder Head
EF
EH

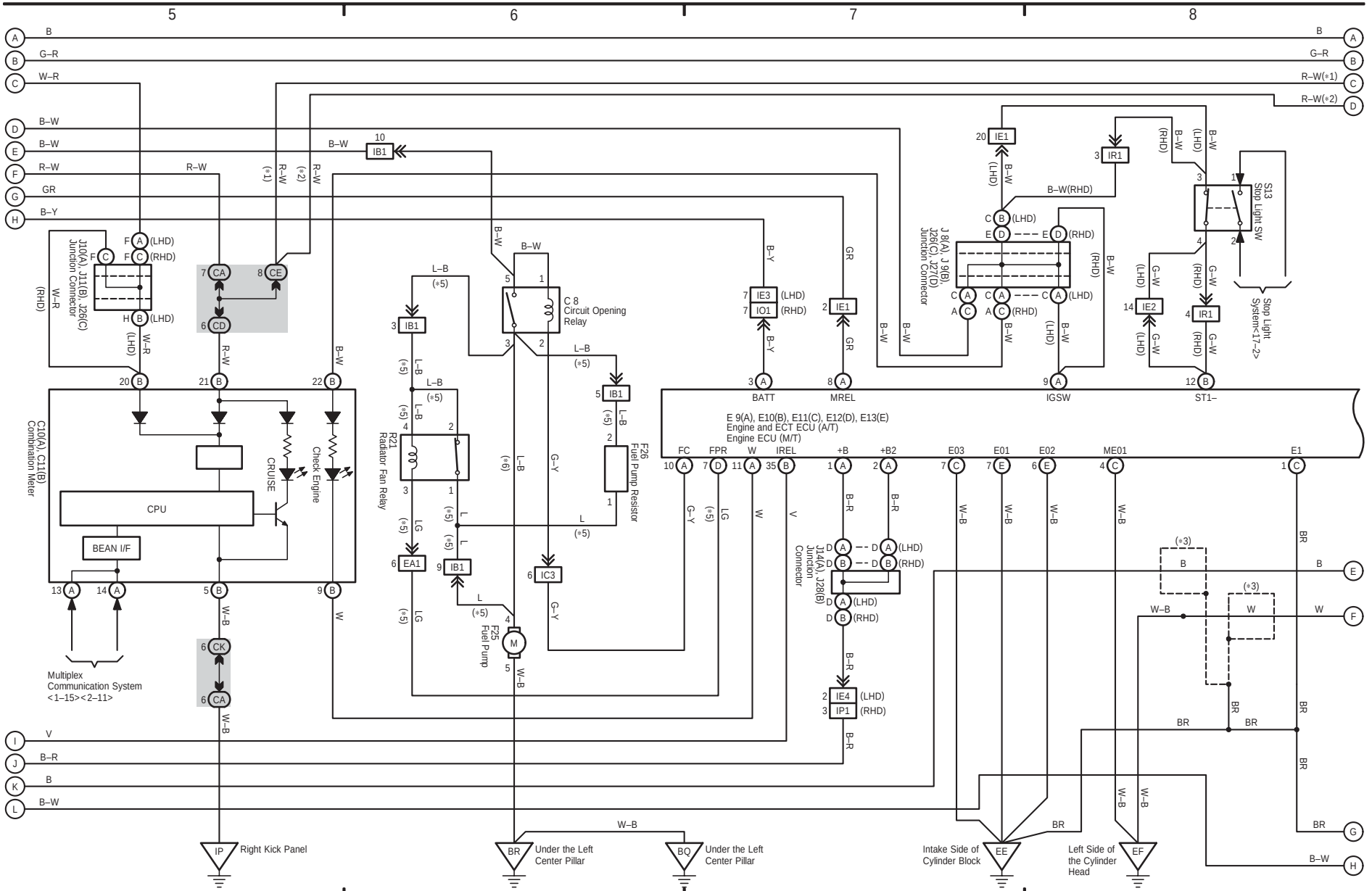
(Cont. next page)



(Cont. next page)

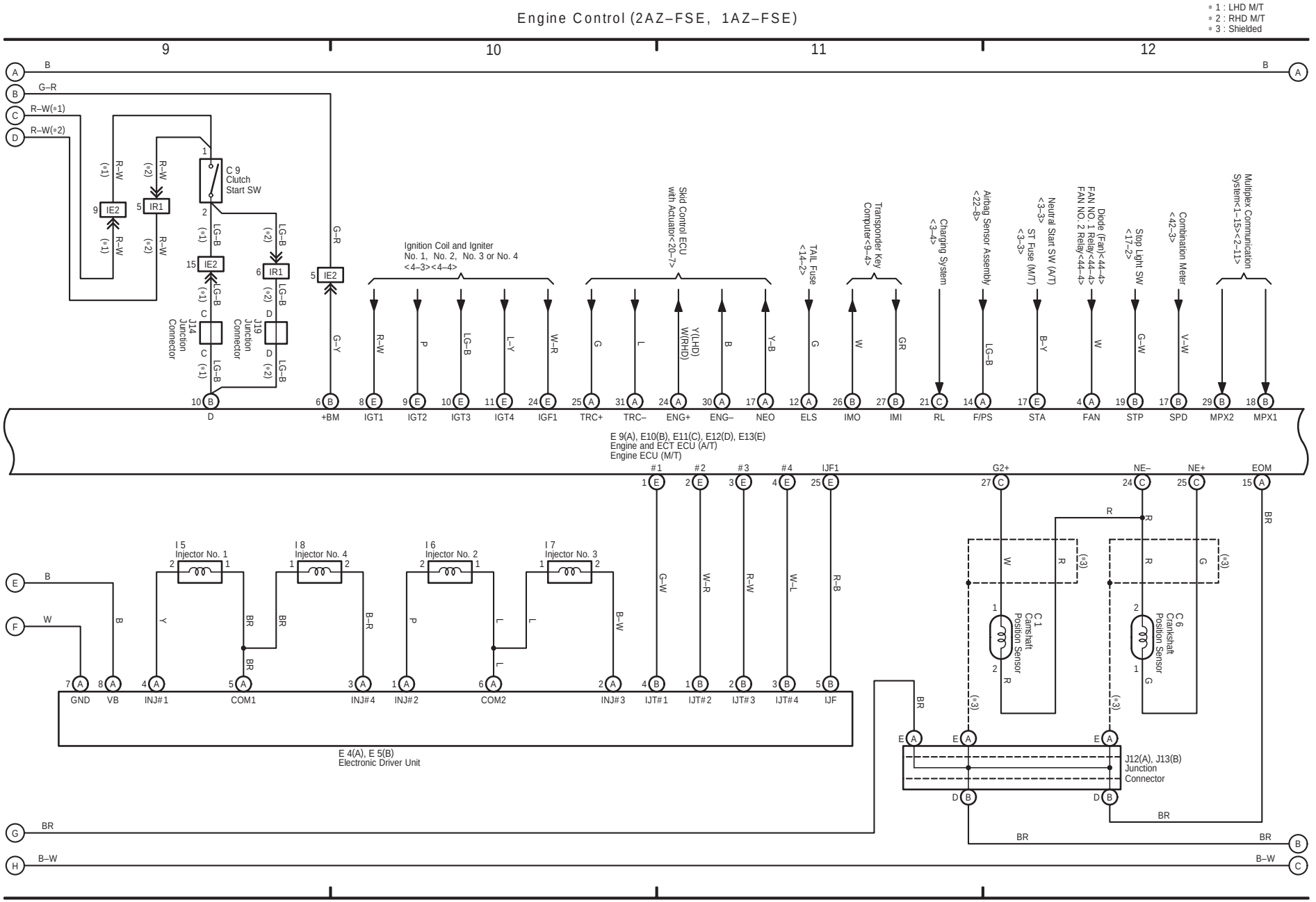
Engine Control (2AZ–FSE, 1AZ–FSE)

* 1 : LHD M/T
* 2 : RHD M/T
* 3 : Shielded
* 5 : 2AZ–FSE
* 6 : 1AZ–FSE



5 AVENSIS (Cont' d)

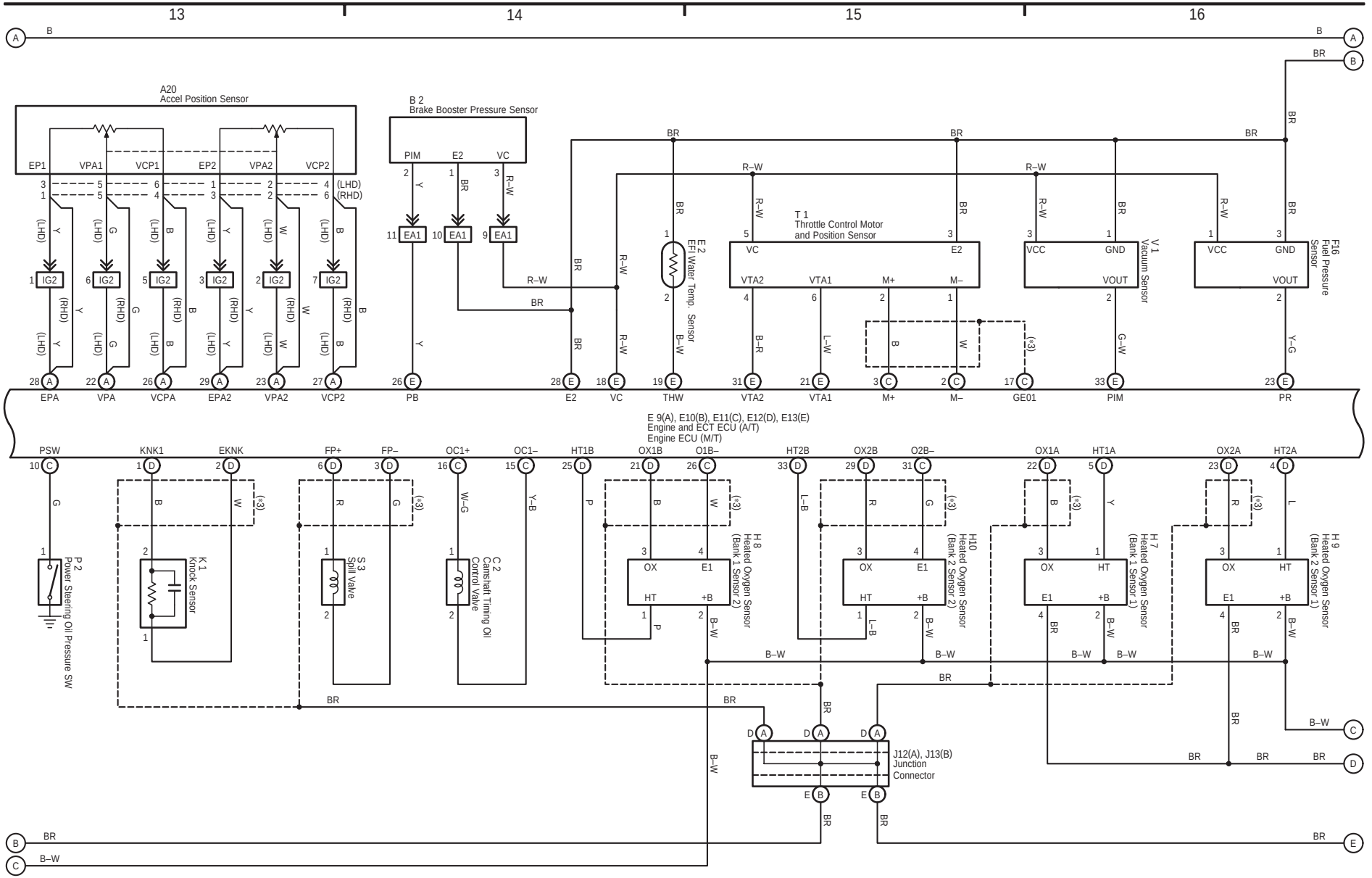
(Cont. next page)



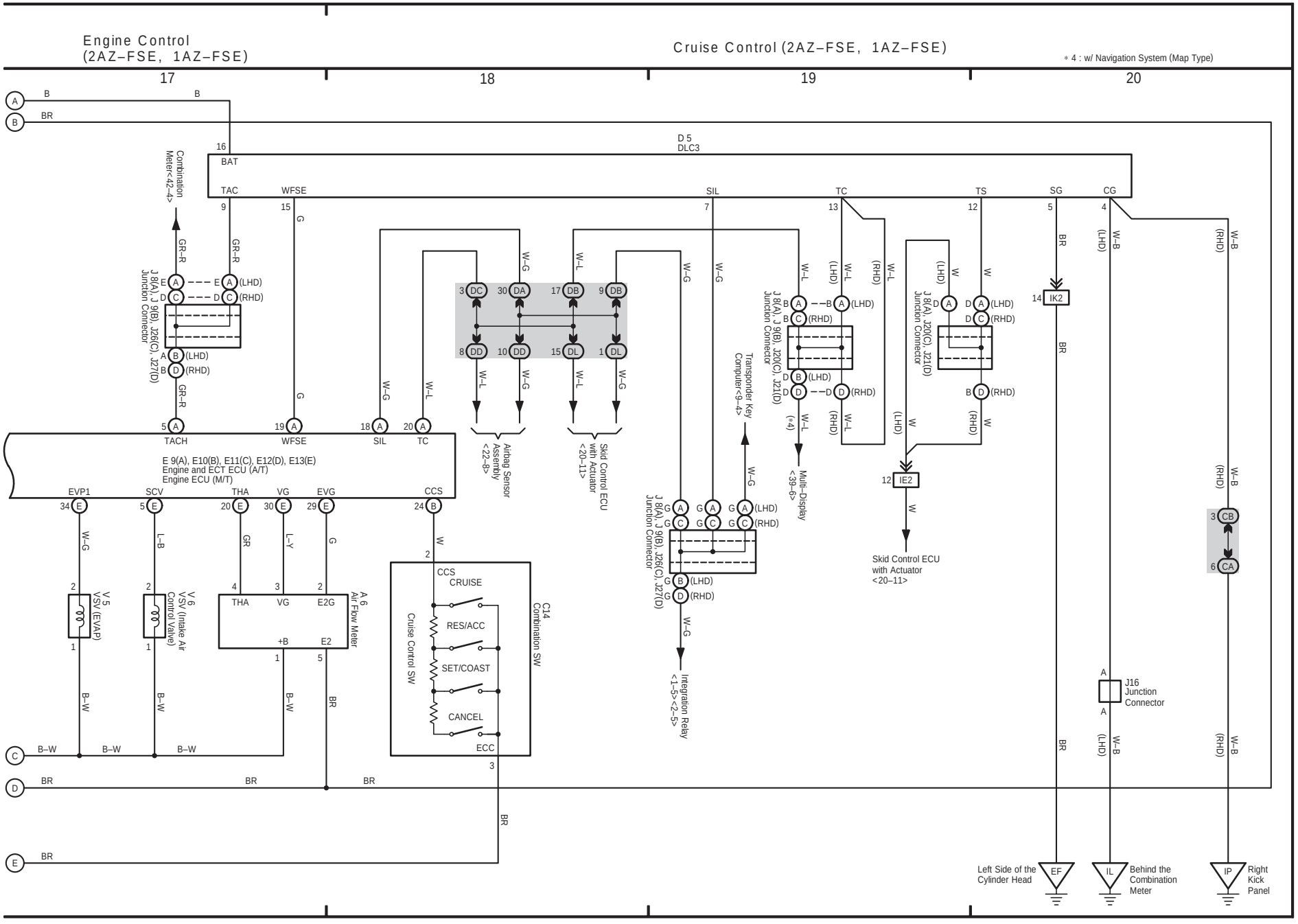
(Cont. next page)

Engine Control (2AZ–FSE, 1AZ–FSE)

* 3 : Shielded

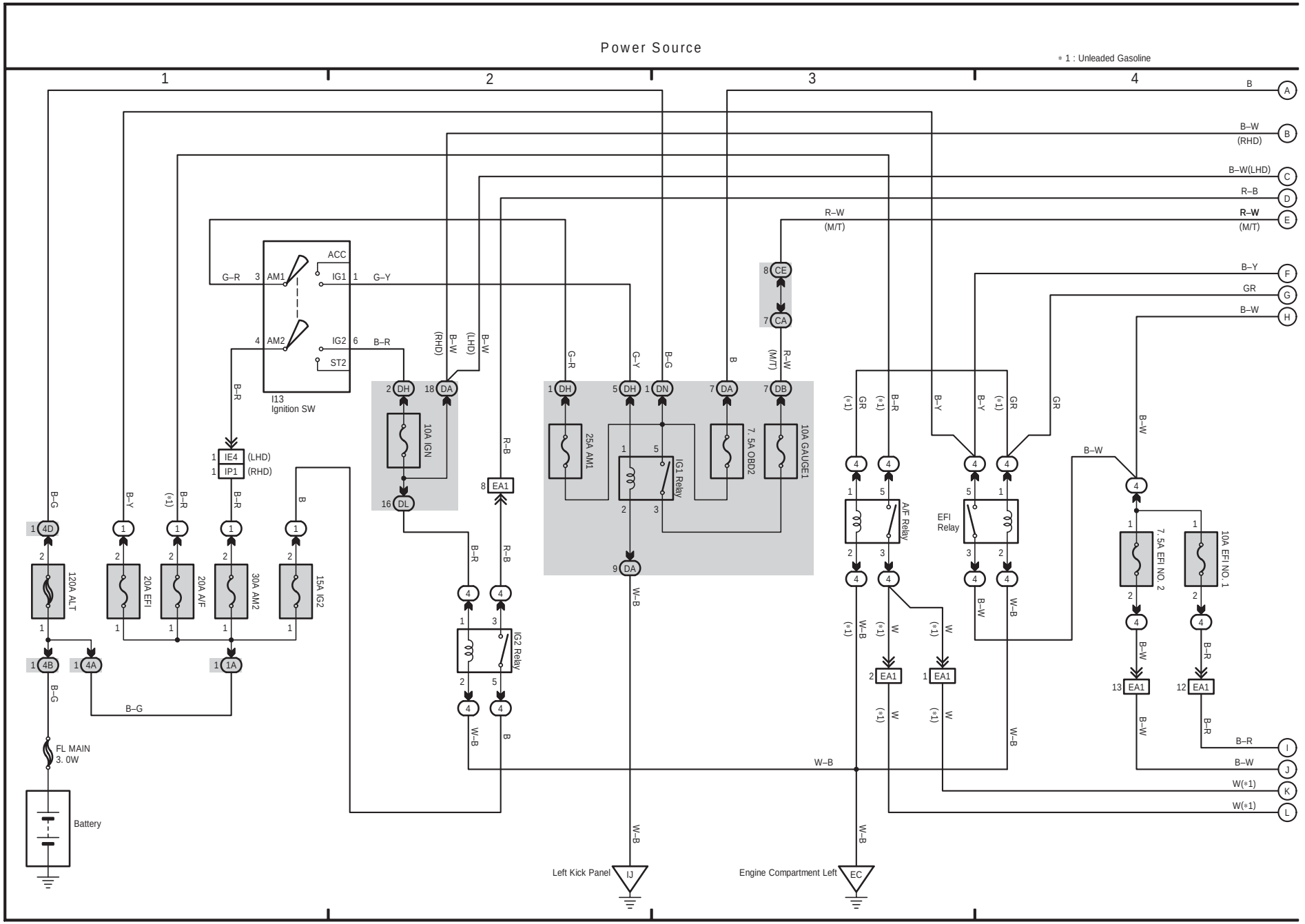


5 AVENSIS (Cont' d)



6 AVENSIS

(Cont. next page)



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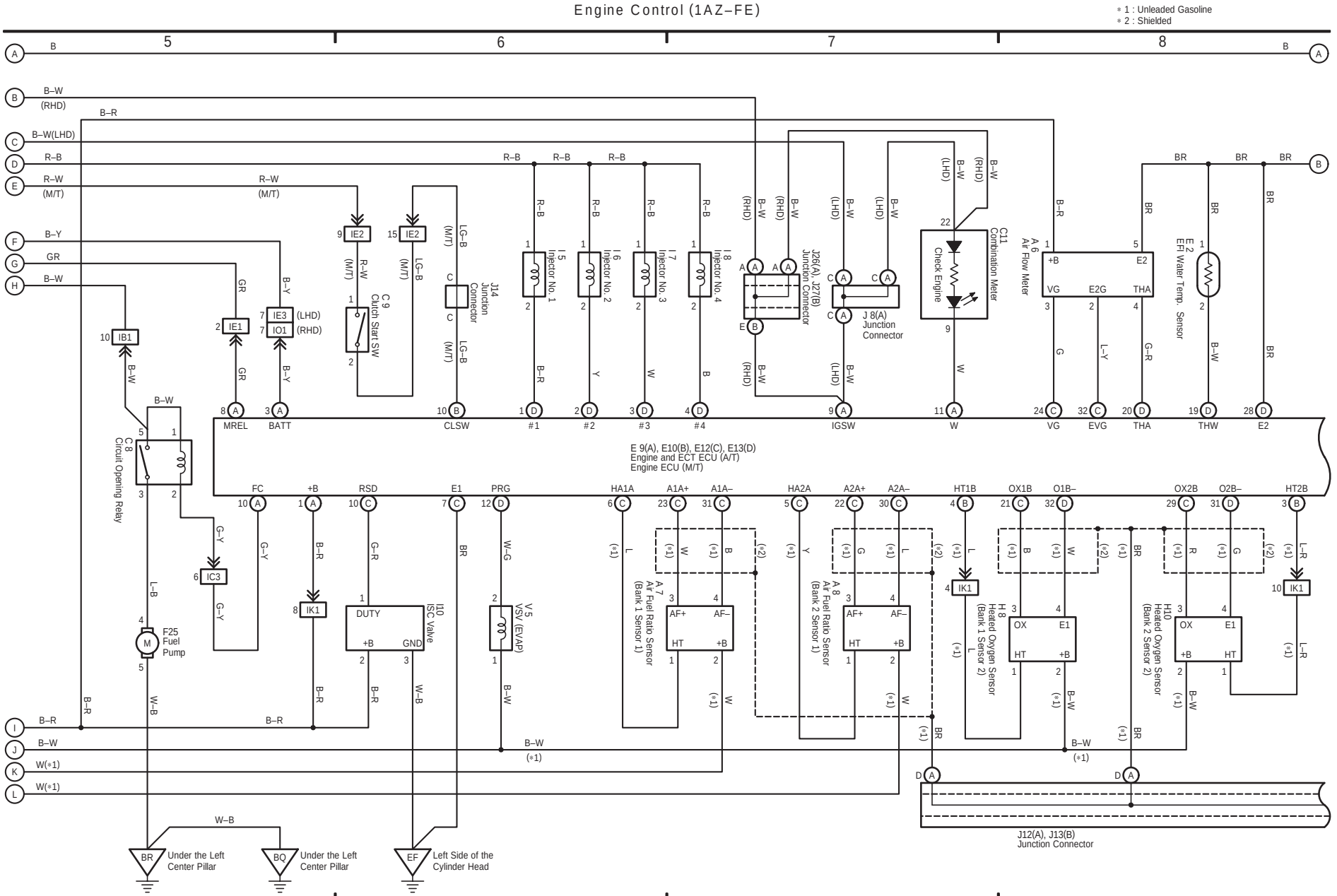

6 AVENSIS (Cont' d)

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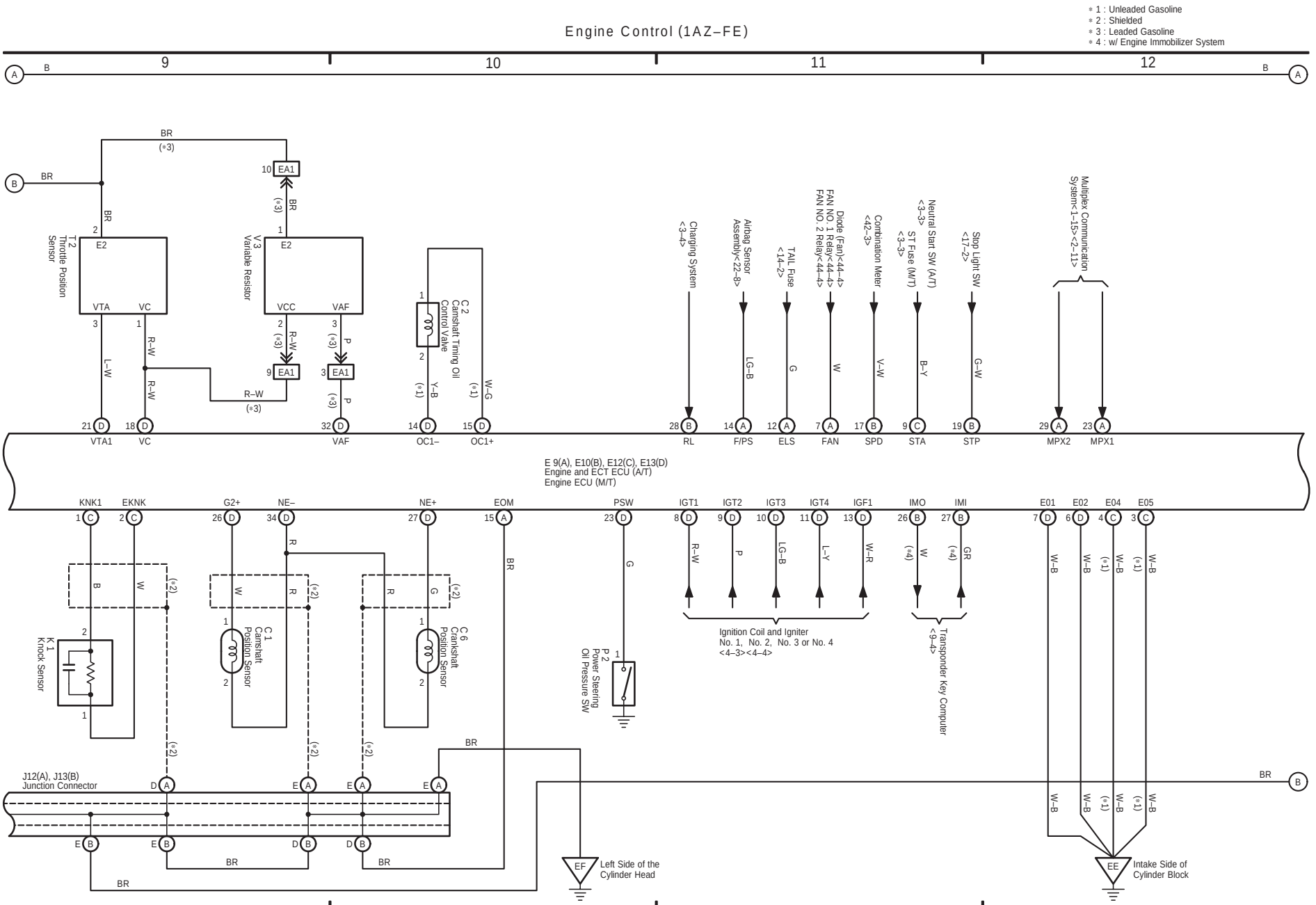
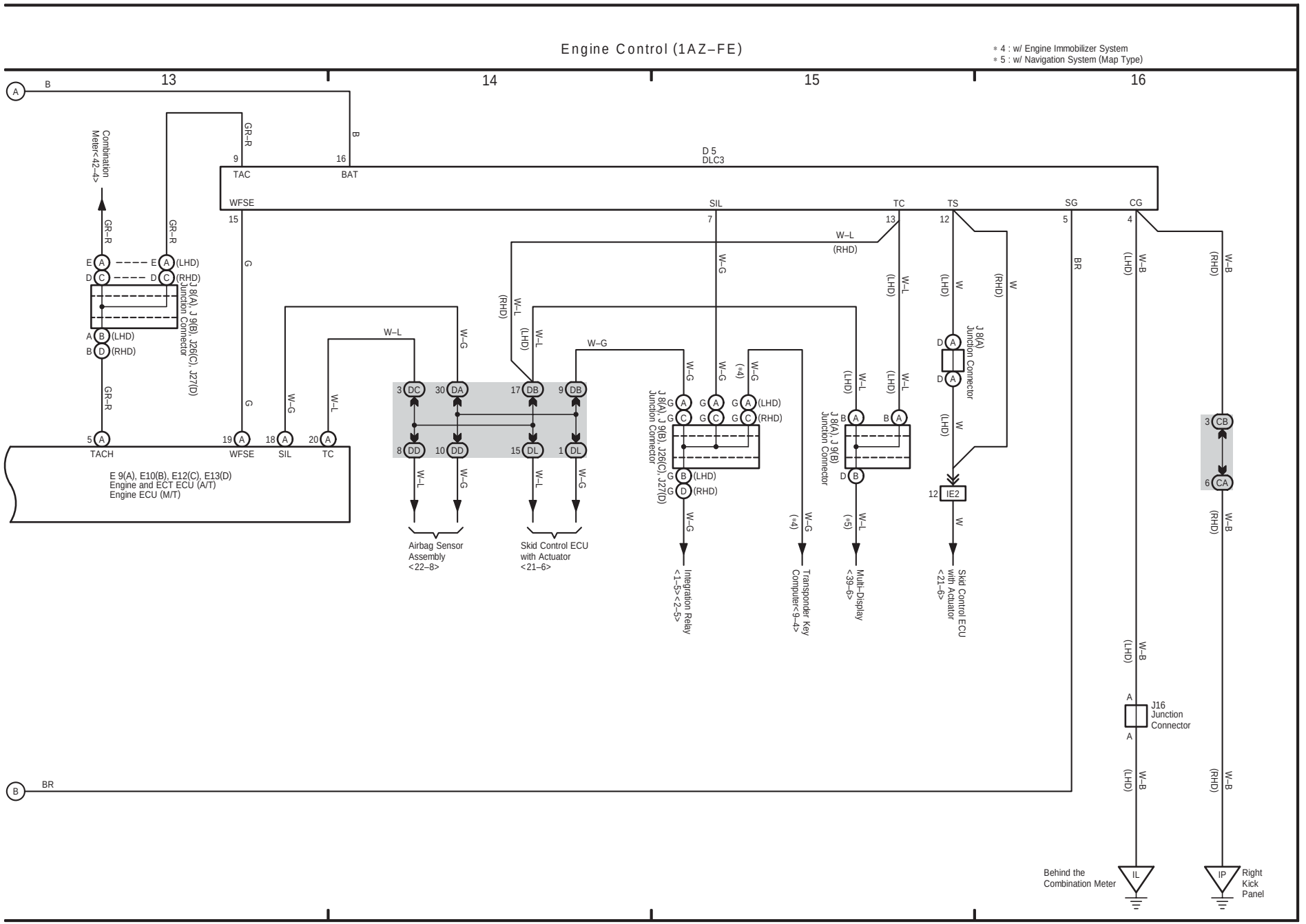
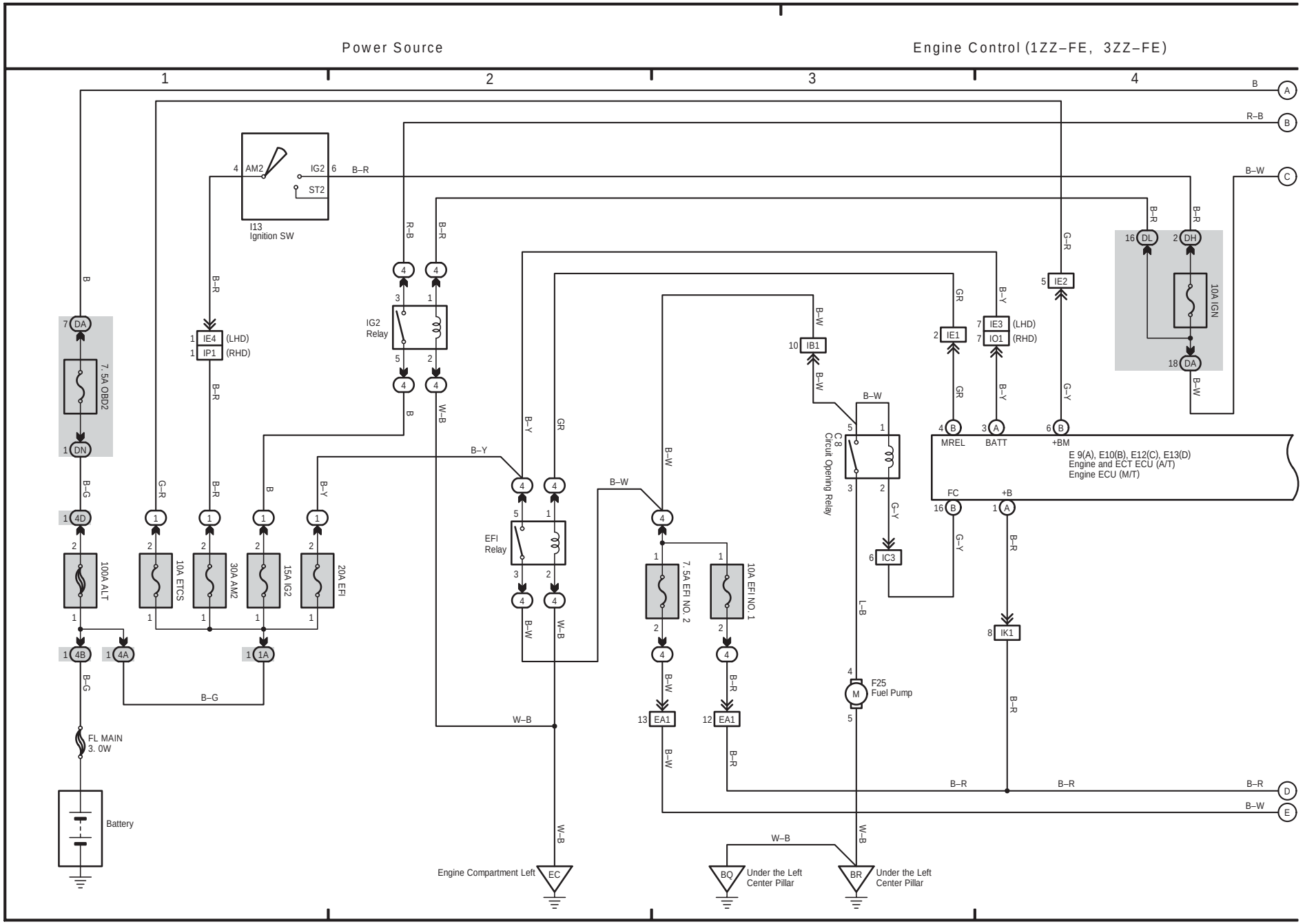



Engine Control (1AZ–FE)
* 4 : w/ Engine Immobilizer System
* 5 : w/ Navigation System (Map Type)
13
14
15
16
Combination Meter<42–4>
GR–R
B
D 5
DLC3
TAC
BAT
WFSE
SIL
TC
TS
SG
CG
W–L
(RHD)
W–G
(LHD)
W
BR
W–B
J 8(A) Junction Connector
J 8(A), J 9(B) Junction Connector
J 8(A) J 9(B) Junction Connector
J16 Junction Connector
IE2
TACH
E 9(A), E10(B), E12(C), E13(D)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
Airbag Sensor Assembly <22–8>
Skid Control ECU with Actuator <21–6>
Integration Relay <1–5><2–5>
Transponder Key Computer<9–4>
Multi–Display <39–6>
Behind the Combination Meter
IL
IP
Right Kick Panel

(Cont. next page)



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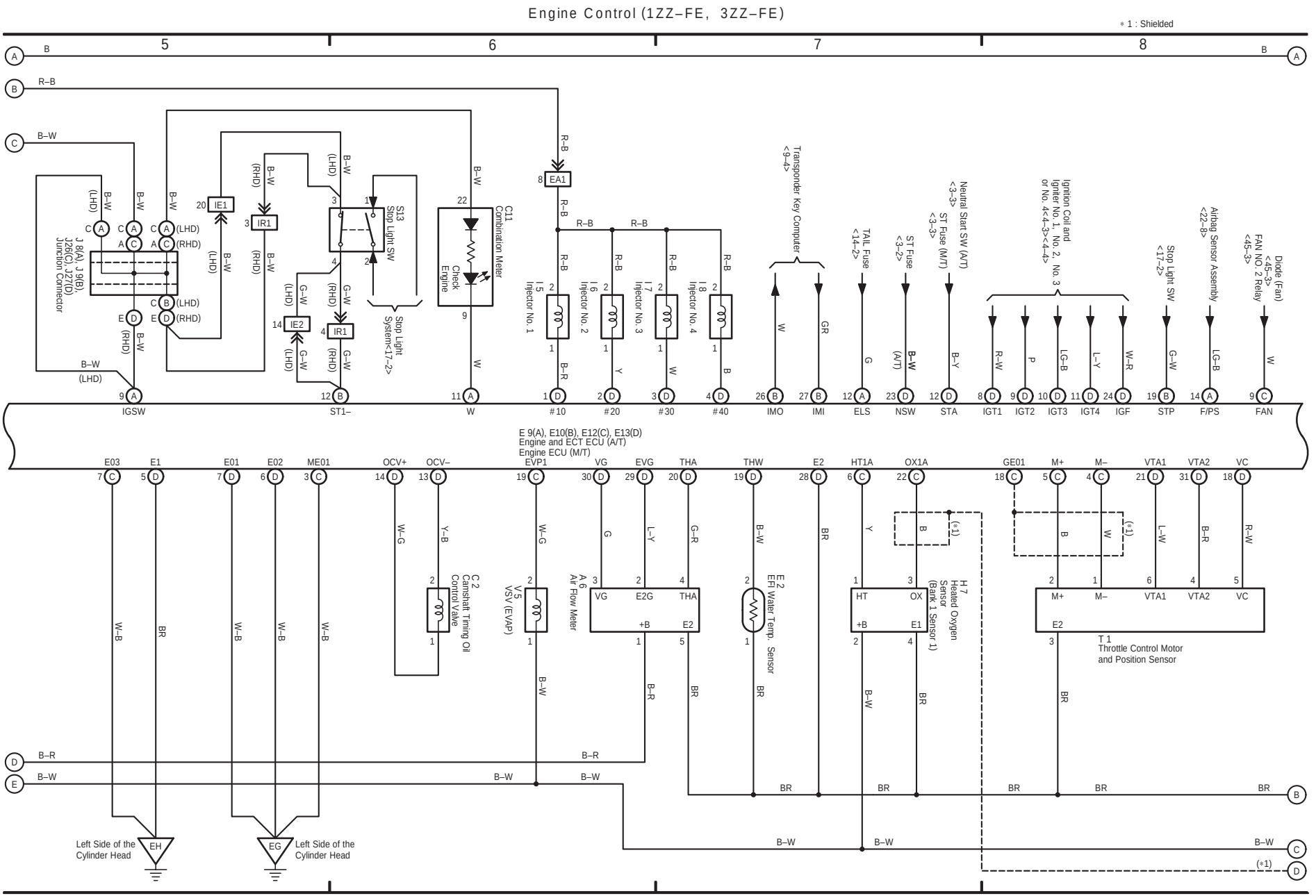
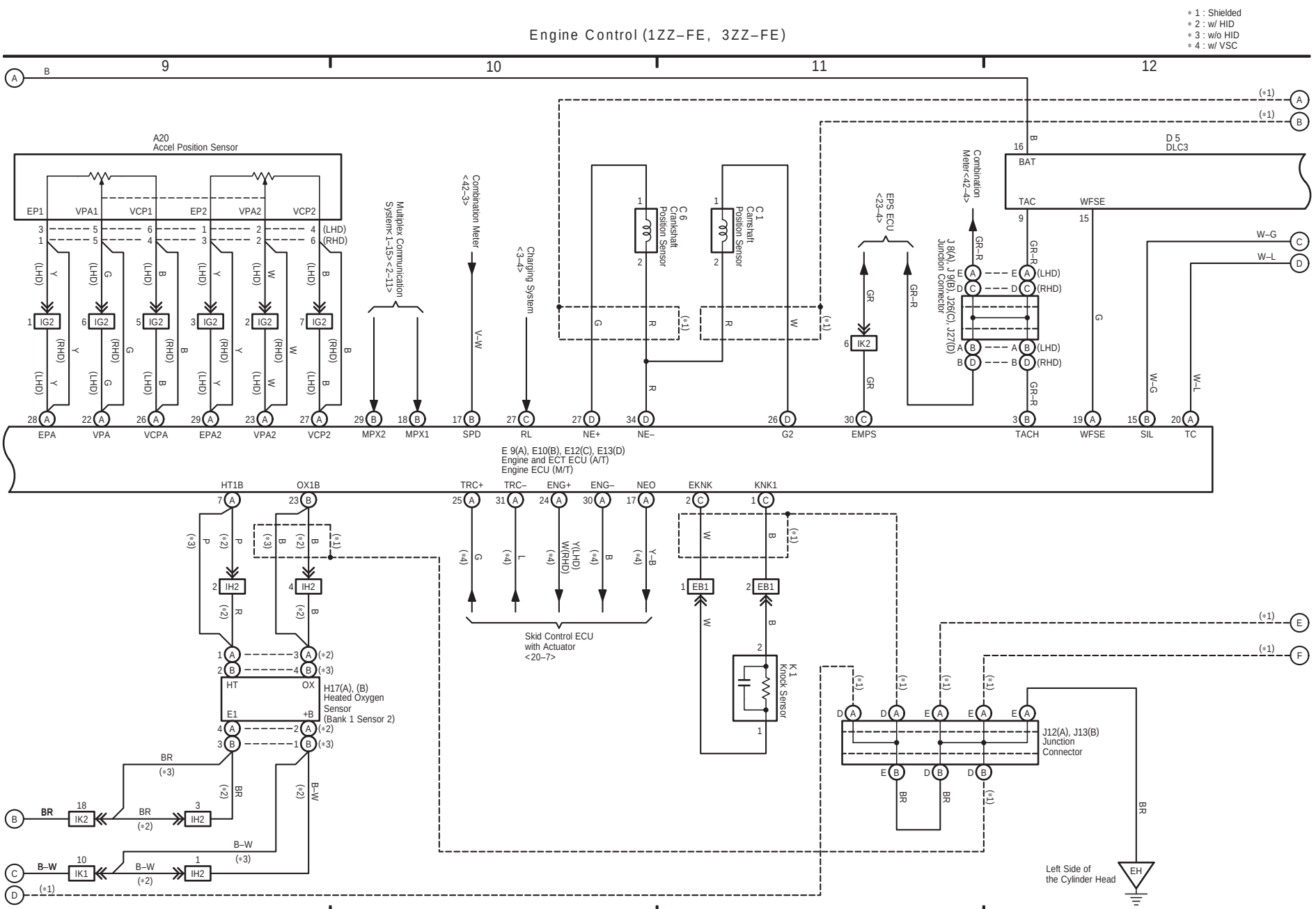
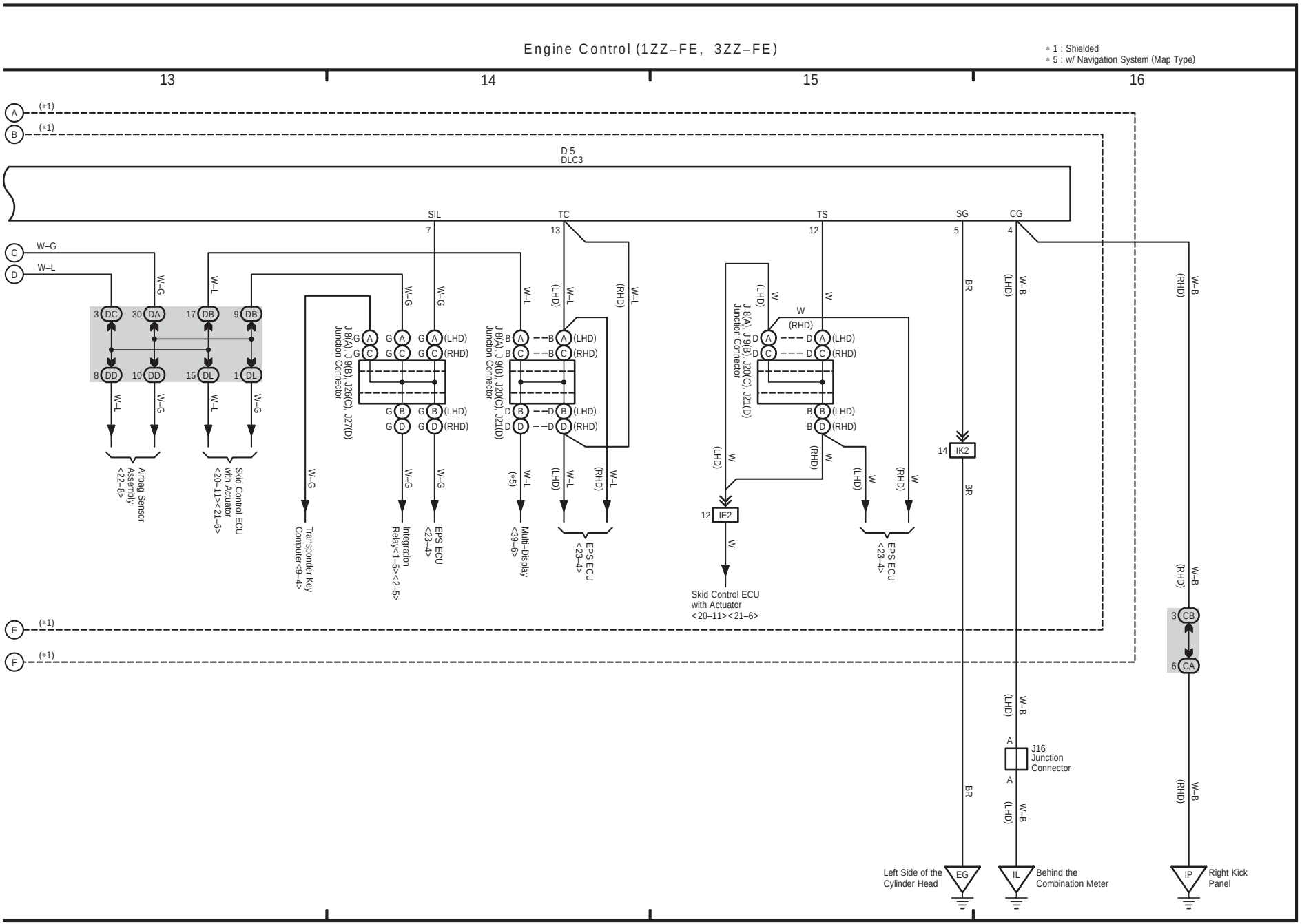
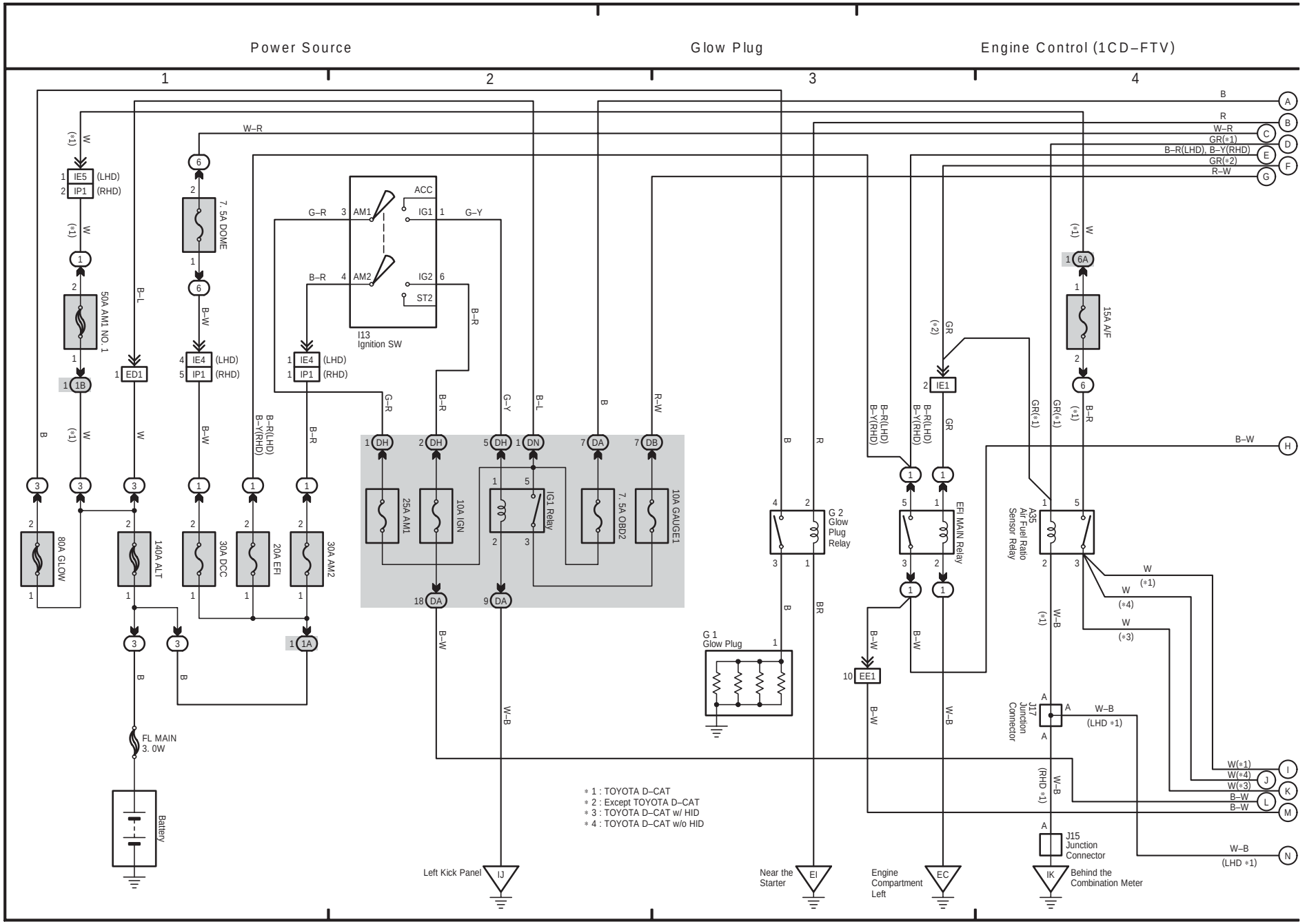



Engine Control (1ZZ–FE, 3ZZ–FE)
* 1 : Shielded
* 2 : w/ HID
* 3 : w/o HID
* 4 : w/ VSC
9
10
11
12
A20
Accel Position Sensor
EP1
VPA1
VCP1
EP2
VPA2
VCP2
(LHD)
(RHD)
IG2
Multiplex Communication System<1–15><2–11>
Combination Meter <42–3>
Charging System <3–4>
C 6
Crankshaft Position Sensor
C 1
Camshaft Position Sensor
EPS ECU <23–4>
IK2
Combination Meter<42–4>
J 8(A), J 9(B), J26(C), J27(D)
Junction Connector
D 5
DLC3
BAT
TAC
WFSE
W–G
W–L
EPA
VPA
VCPA
EPA2
VPA2
VCP2
MPX2
MPX1
SPD
RL
NE+
NE–
G2
EMPS
TACH
WFSE
SIL
TC
E 9(A), E10(B), E12(C), E13(D)
Engine and ECT ECU (A/T)
Engine ECU (M/T)
HT1B
OX1B
TRC+
TRC–
ENG+
ENG–
NEO
EKNK
KNK1
IH2
H17(A), (B)
Heated Oxygen Sensor
(Bank 1 Sensor 2)
HT
OX
E1
+B
Skid Control ECU
with Actuator
<20–7>
EB1
K 1
Knock Sensor
J12(A), J13(B)
Junction Connector
Left Side of the Cylinder Head
EH


Engine Control (1ZZ–FE, 3ZZ–FE)
* 1 : Shielded
* 5 : w/ Navigation System (Map Type)
13
14
15
16
D 5
DLC3
SIL
TC
TS
SG
CG
Airbag Sensor Assembly <22–8>
Skid Control ECU with Actuator <20–11><21–6>
Transponder Key Computer<9–4>
Integration Relay<1–5><2–5>
EPS ECU <23–4>
Multi–Display <39–6>
J 8(A), J 9(B), J20(C), J21(D) Junction Connector
J 8(A), J 9(B), J26(C), J27(D) Junction Connector
IK2
IE2
J16 Junction Connector
Left Side of the Cylinder Head
Behind the Combination Meter
Right Kick Panel
EG
IL
IP



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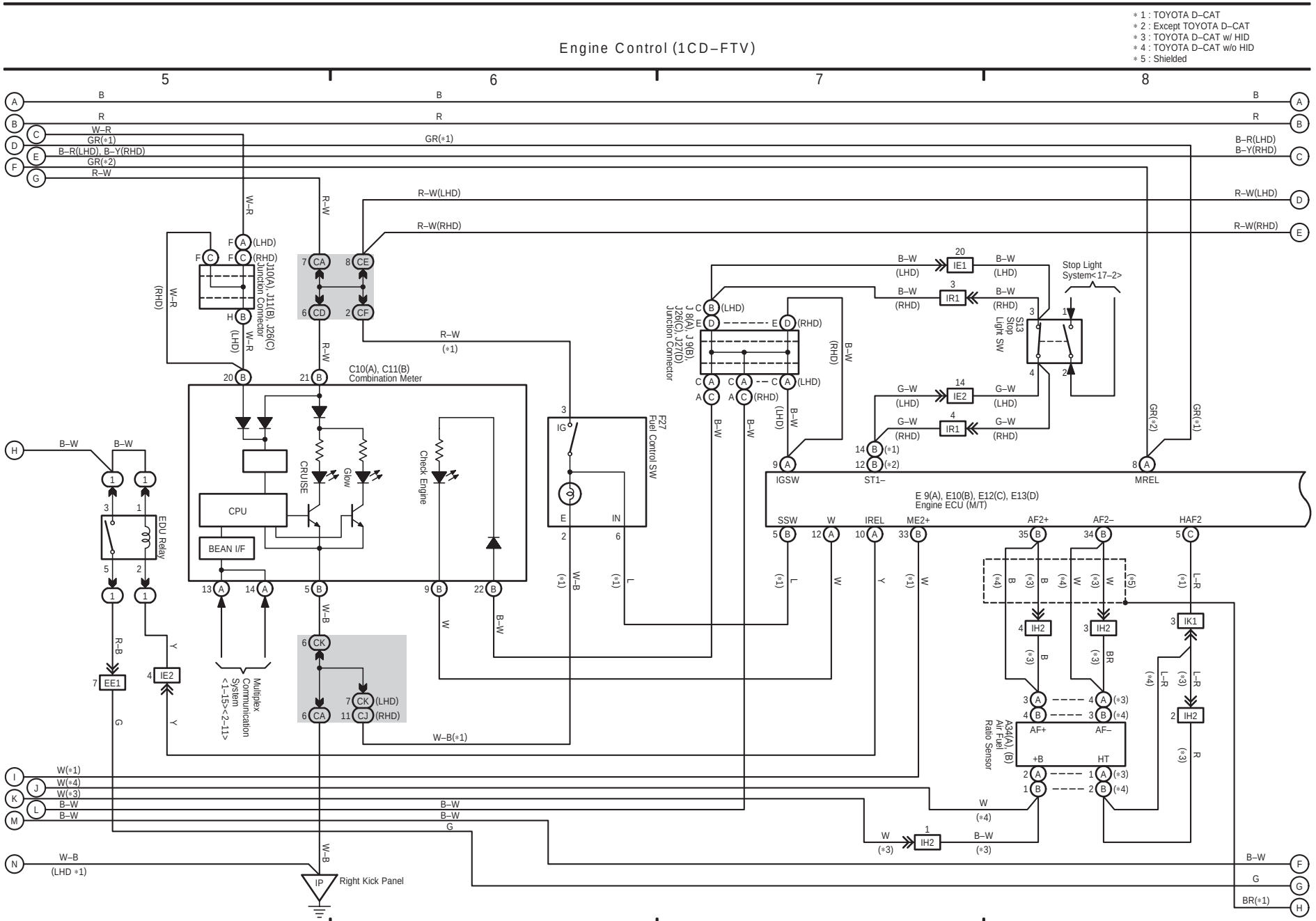
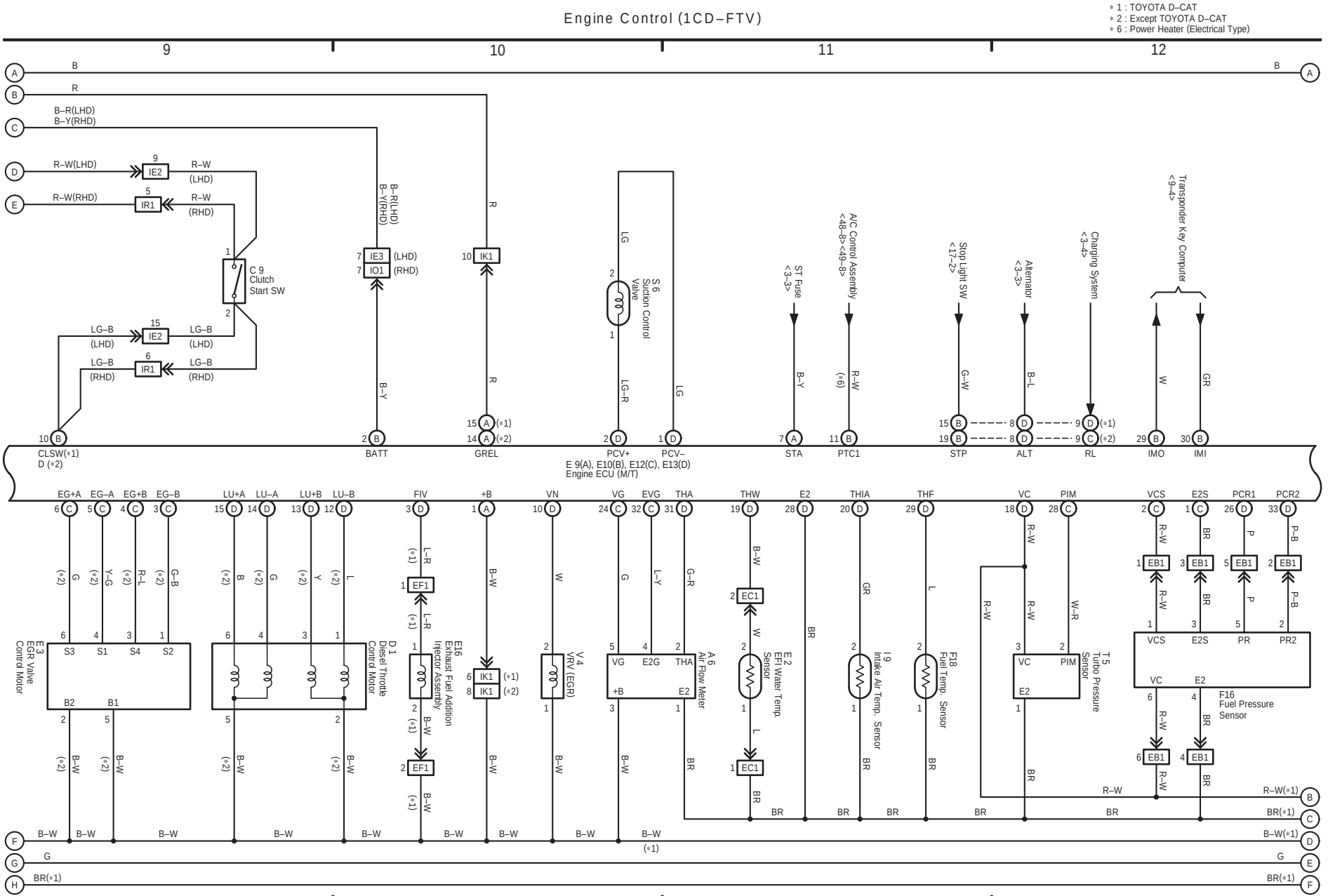
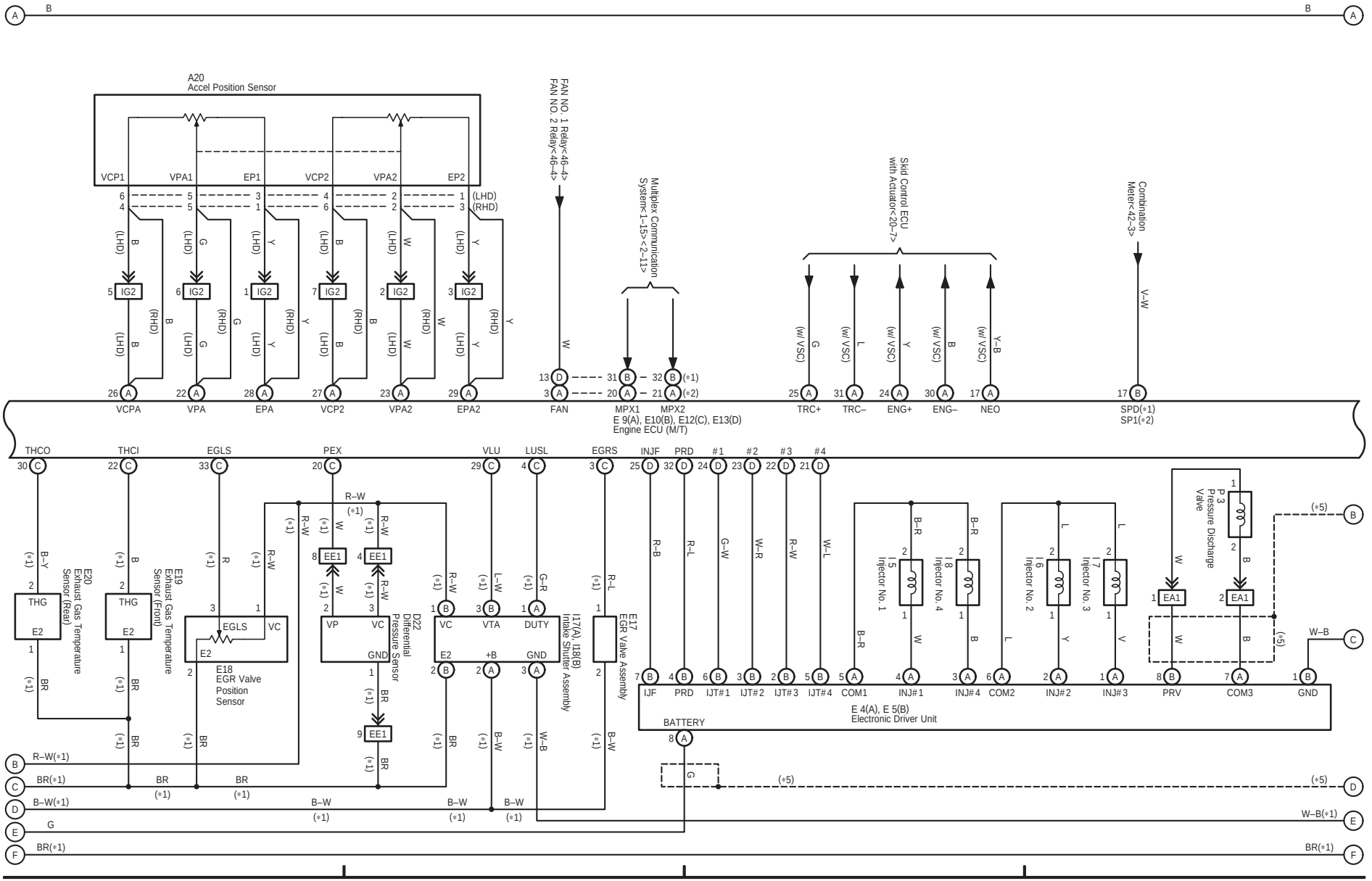



Engine Control (1CD–FTV)
* 1 : TOYOTA D–CAT
* 2 : Except TOYOTA D–CAT
* 6 : Power Heater (Electrical Type)
9
10
11
12
C 9 Clutch Start SW
IE2
IR1
IE3
IO1
IK1
S6 Suction Control Valve
ST Fuse <3–3>
A/C Control Assembly <48–8><49–8>
Stop Light SW <17–2>
Alternator <3–3>
Charging System <3–4>
Transponder Key Computer <9–4>
CLSW(*1)
D (*2)
BATT
GREL
PCV+
PCV–
E 9(A), E10(B), E12(C), E13(D)
Engine ECU (M/T)
STA
PTC1
STP
ALT
RL
IMO
IMI
E3 EGR Valve Control Motor
D1 Diesel Throttle Control Motor
E16 Exhaust Fuel Addition Injector Assembly
V4 VRV (EGR)
A6 Air Flow Meter
E2 EFI Water Temp. Sensor
I9 Intake Air Temp. Sensor
F18 Fuel Temp. Sensor
T5 Turbo Pressure Sensor
F16 Fuel Pressure Sensor
EB1
EF1
EC1

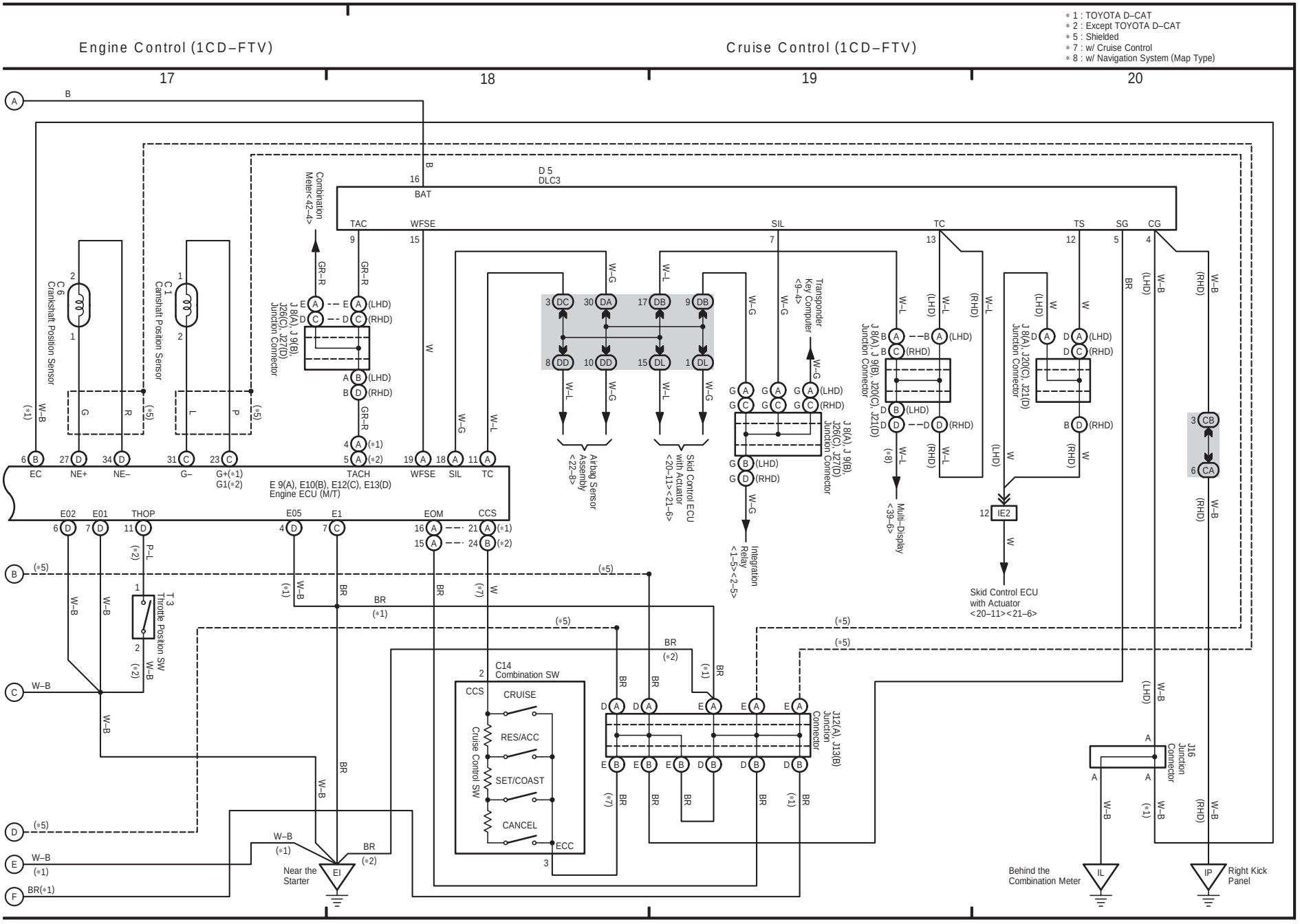
(Cont. next page)

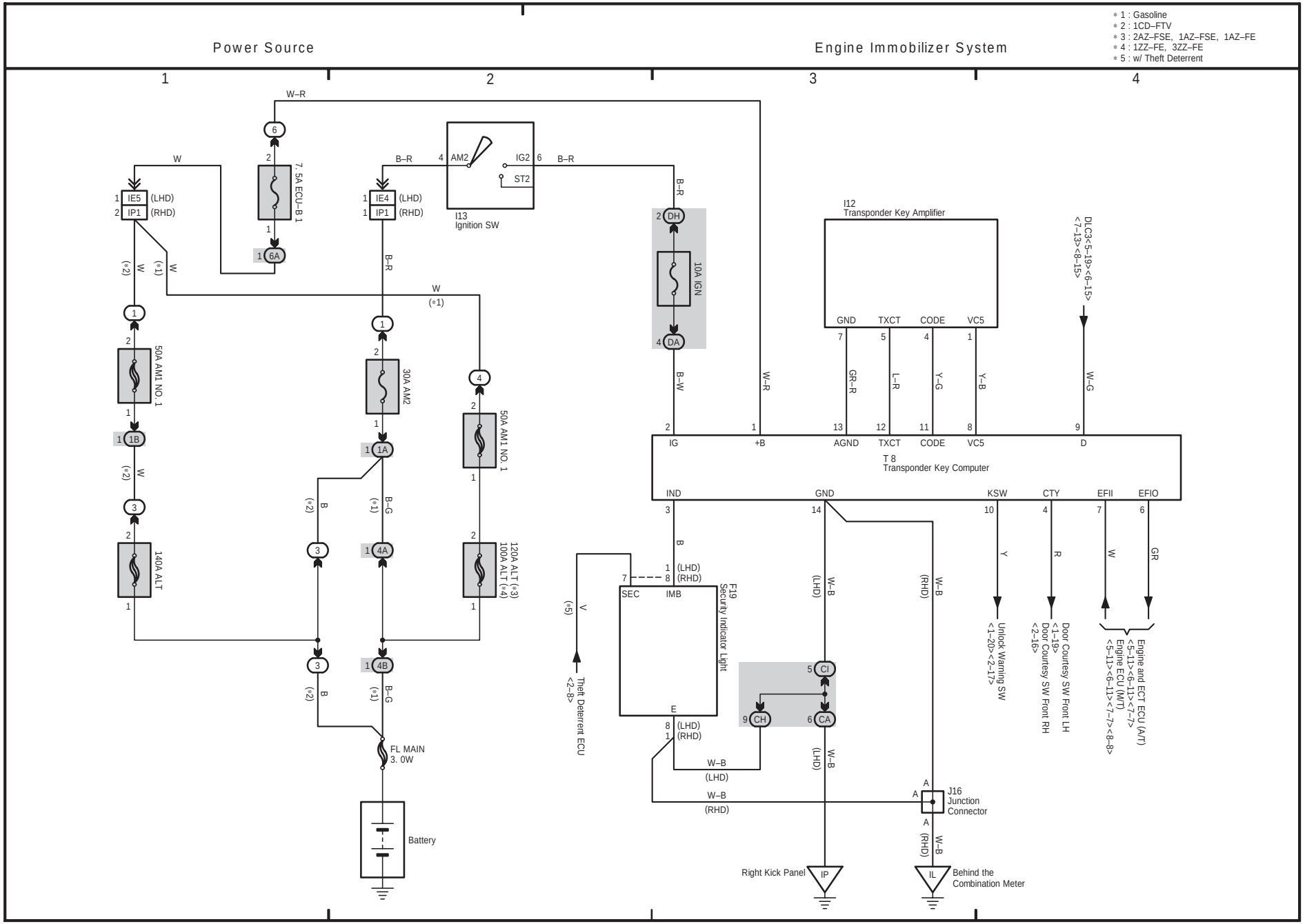
Engine Control (1CD–FTV)

* 1 : TOYOTA D–CAT
* 2 : Except TOYOTA D–CAT
* 5 : Shielded

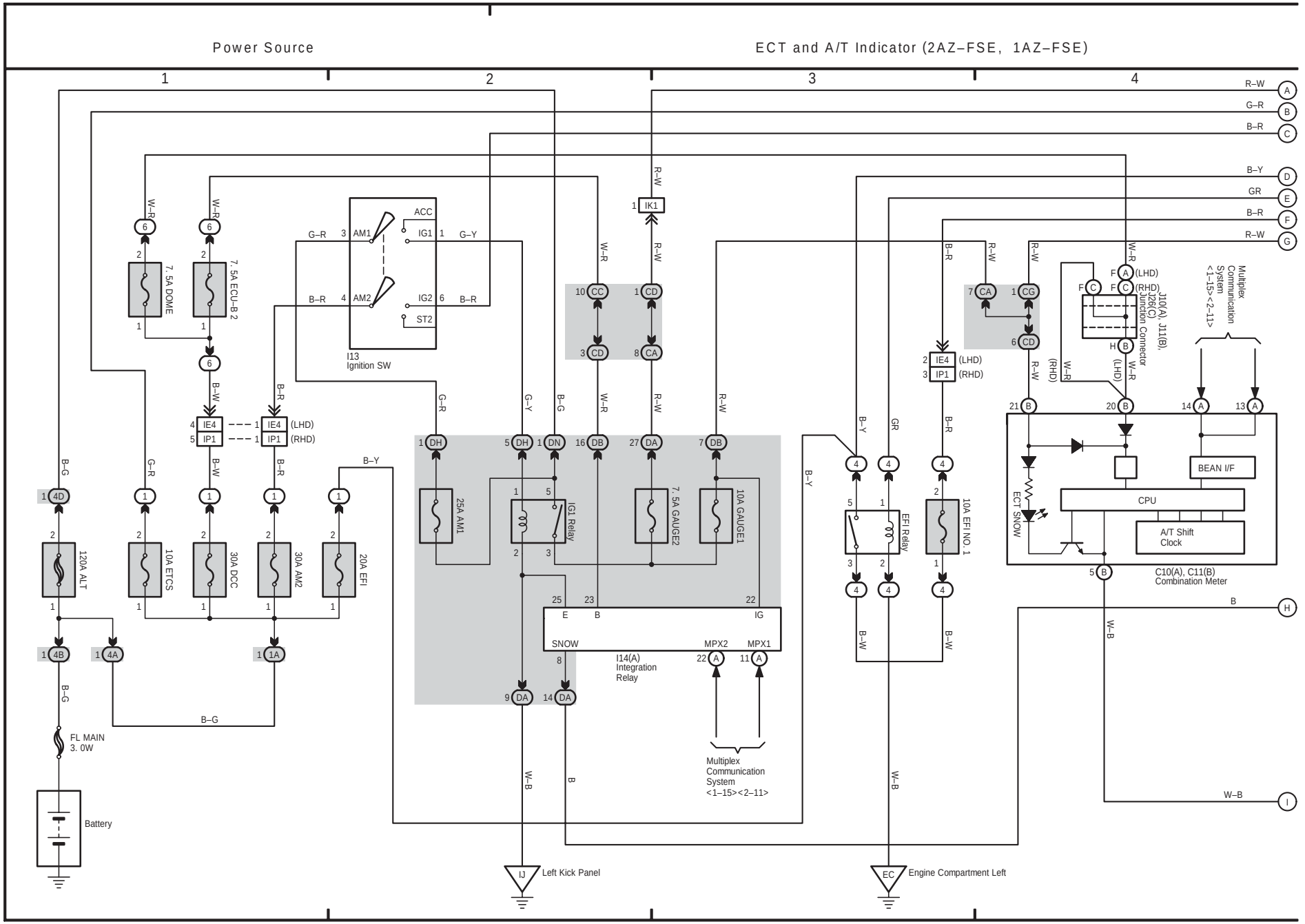


8 AVENSIS (Cont' d)




* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : w/ Theft Deterrent
Power Source
Engine Immobilizer System
1
2
3
4
W–R
W
B–R
IE5 (LHD)
IP1 (RHD)
IE4 (LHD)
IP1 (RHD)
7. 5A ECU–B 1
6A
AM2
IG2
ST2
I13
Ignition SW
DH
10A IGN
DA
B–W
I12
Transponder Key Amplifier
GND
TXCT
CODE
VC5
GR–R
L–R
Y–G
Y–B
W–G
DLC3<5–19><6–15>
<7–13><8–15>
IG
+B
AGND
D
T 8
Transponder Key Computer
IND
KSW
CTY
EFII
EFIO
50A AM1 NO. 1
30A AM2
140A ALT
120A ALT (*3)
100A ALT (*4)
1B
1A
4A
4B
B
B–G
(*1)
(*2)
FL MAIN
3. 0W
Battery
SEC
IMB
F19
Security Indicator Light
Theft Deterrent ECU
<2–8>
V
(*5)
W–B
(LHD)
(RHD)
CI
CH
CA
J16
Junction
Connector
Unlock Warning SW
<1–20><2–17>
Door Courtesy SW Front LH
<1–19>
Door Courtesy SW Front RH
<2–16>
Engine and ECT ECU (A/T)
<5–11><6–11><7–7>
Engine ECU (M/T)
<5–11><6–11><7–7><8–8>
Right Kick Panel
IP
IL
Behind the
Combination Meter

(Cont. next page)



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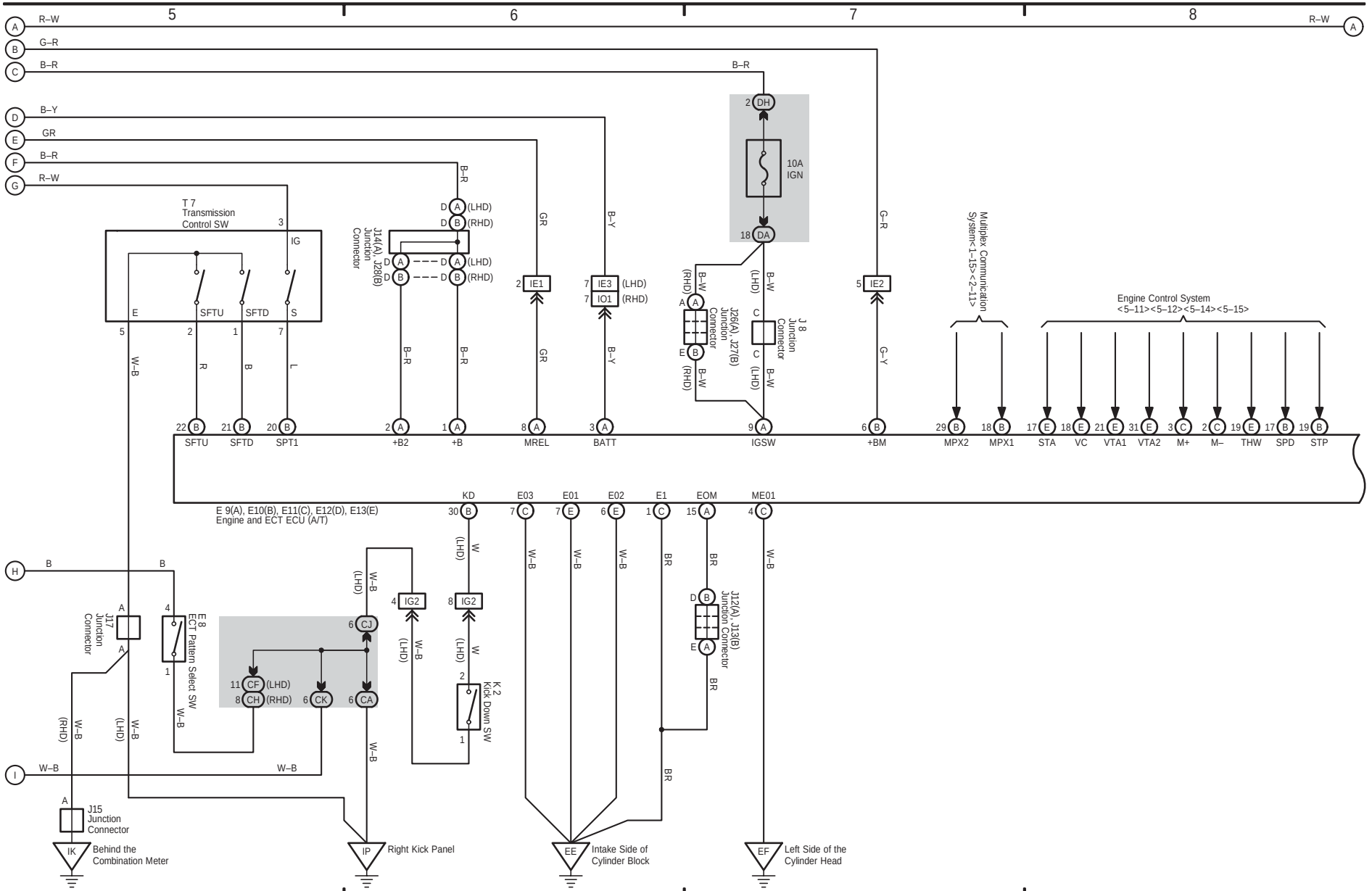
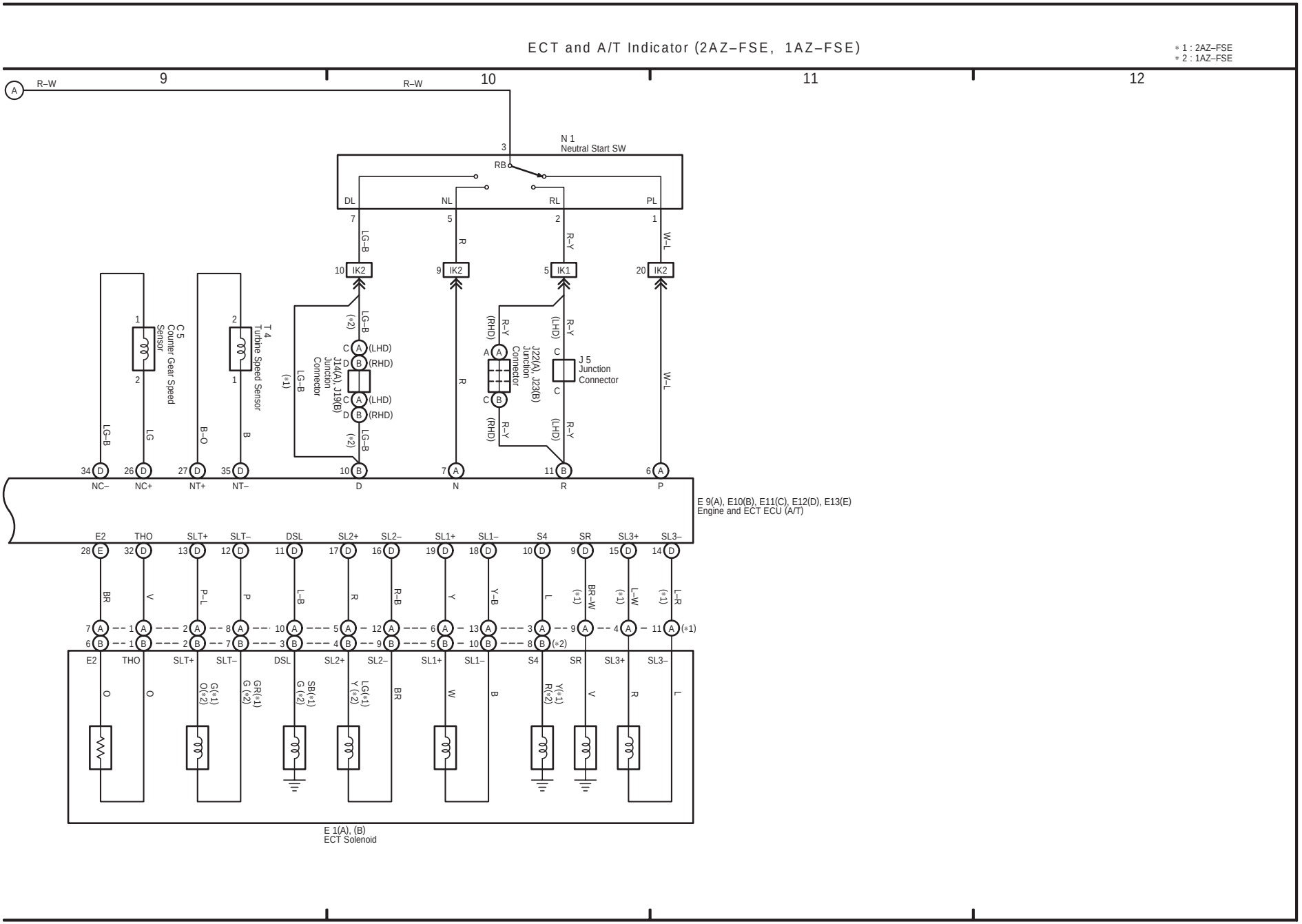
ECT and A/T Indicator (2AZ–FSE, 1AZ–FSE)



10 AVENSIS (Cont' d)



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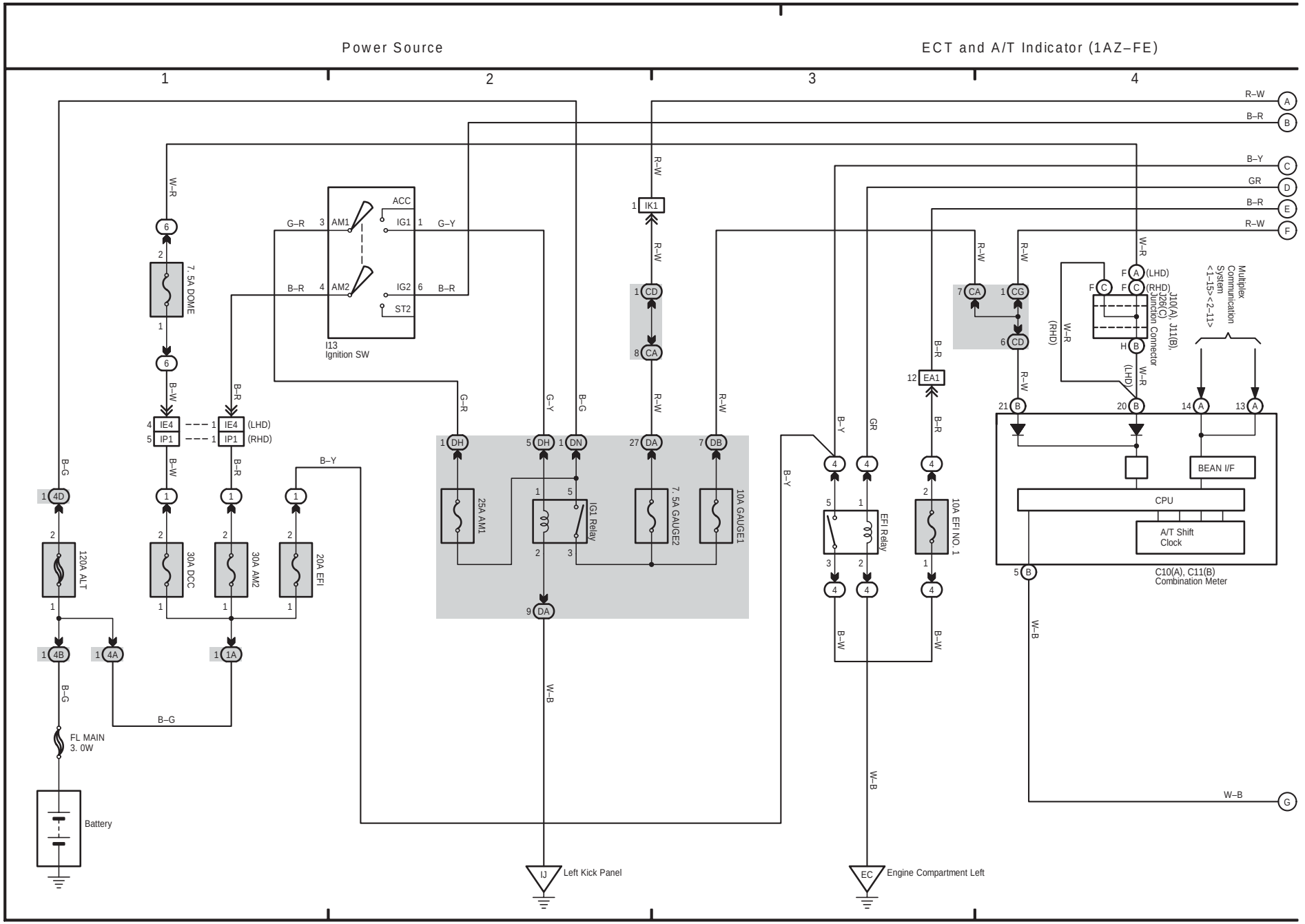

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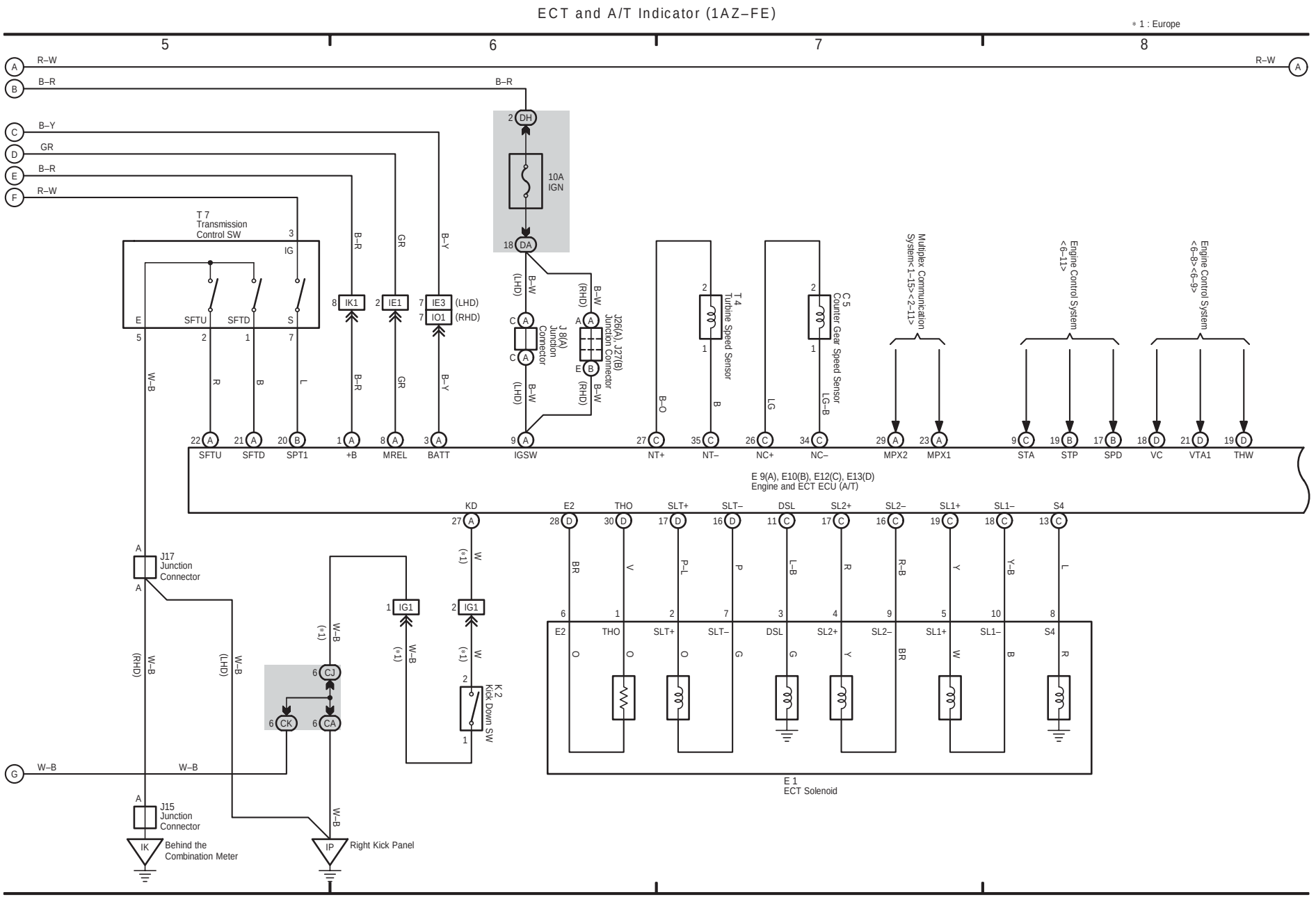
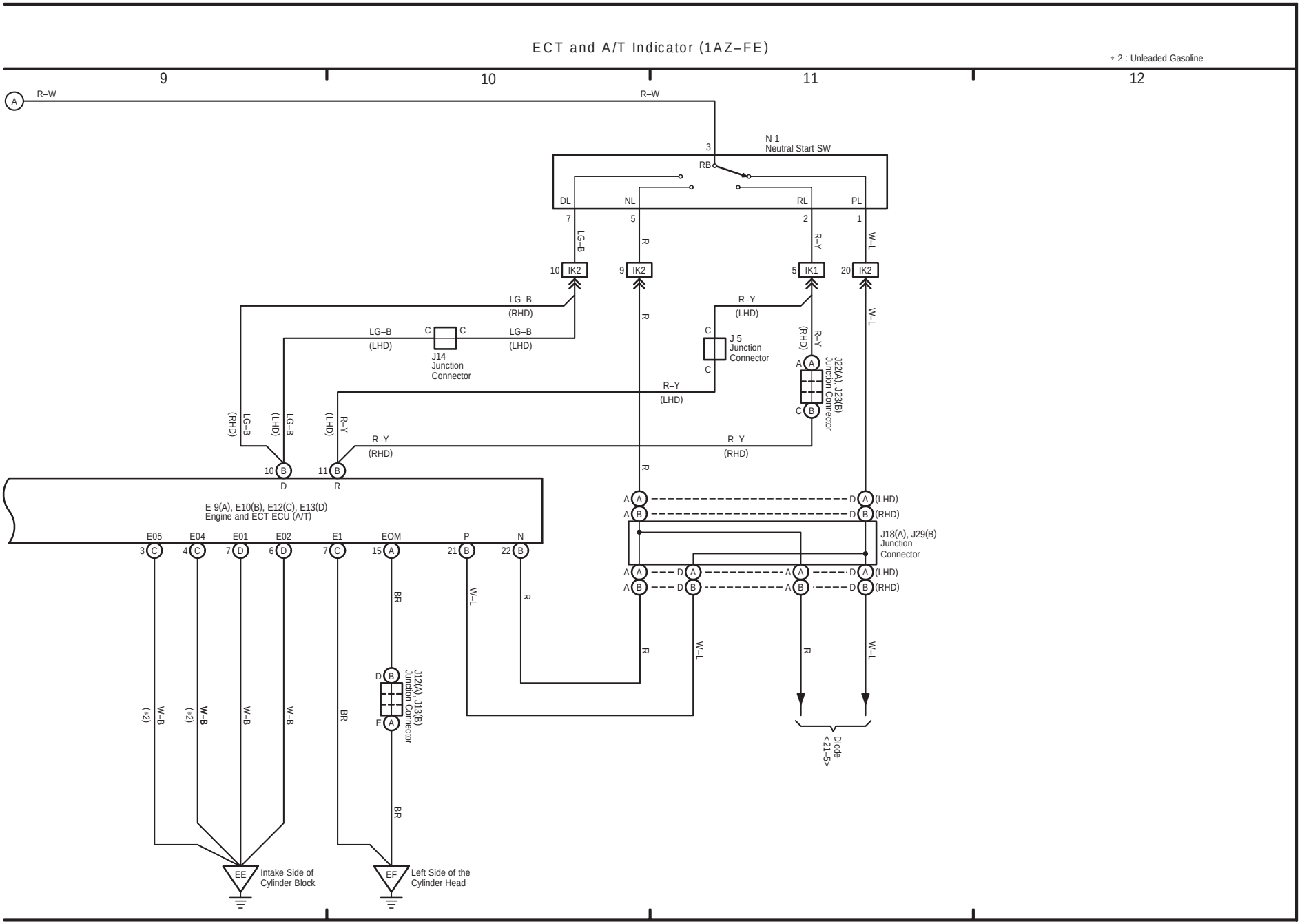


11 AVENSIS (Cont' d)



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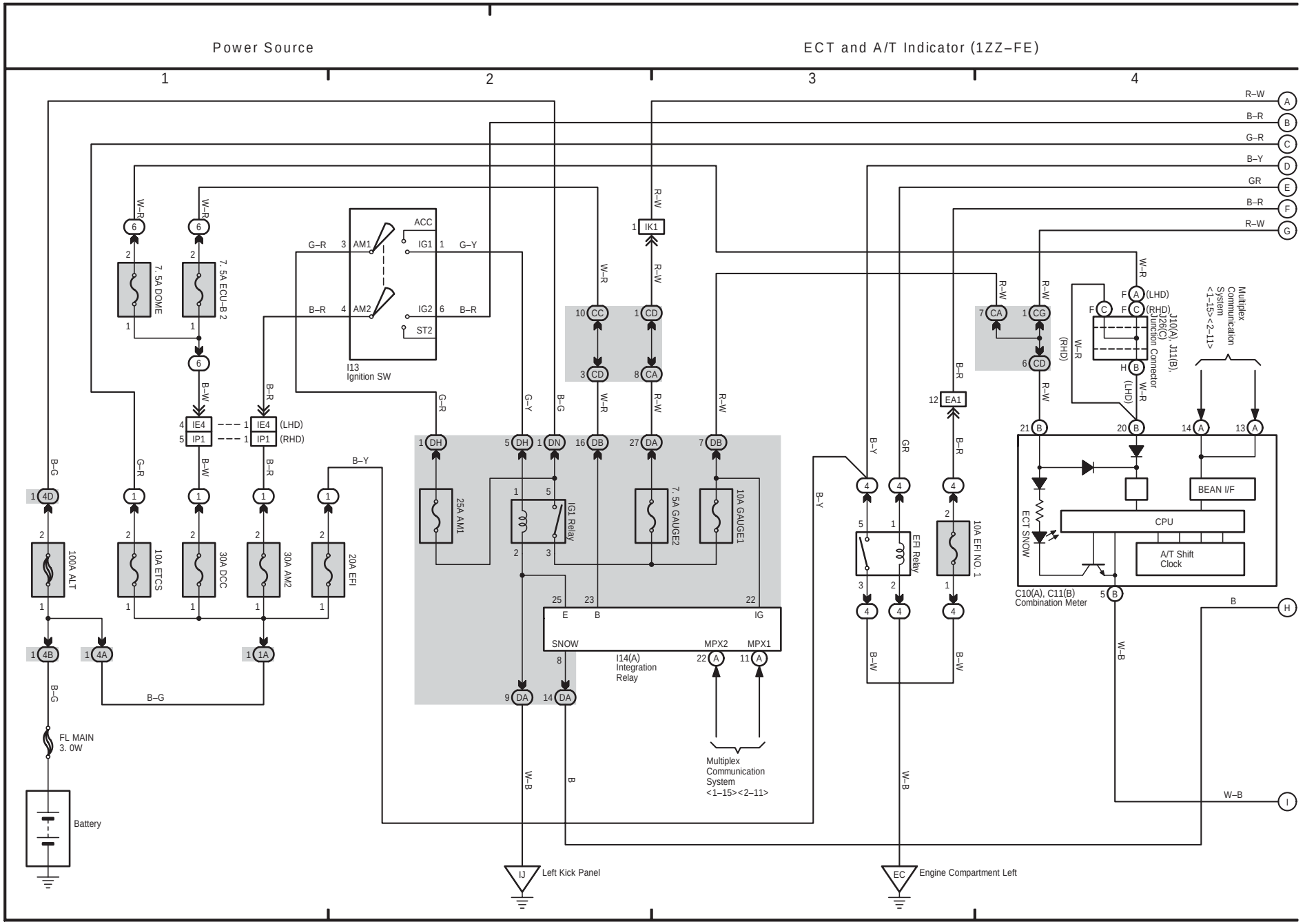

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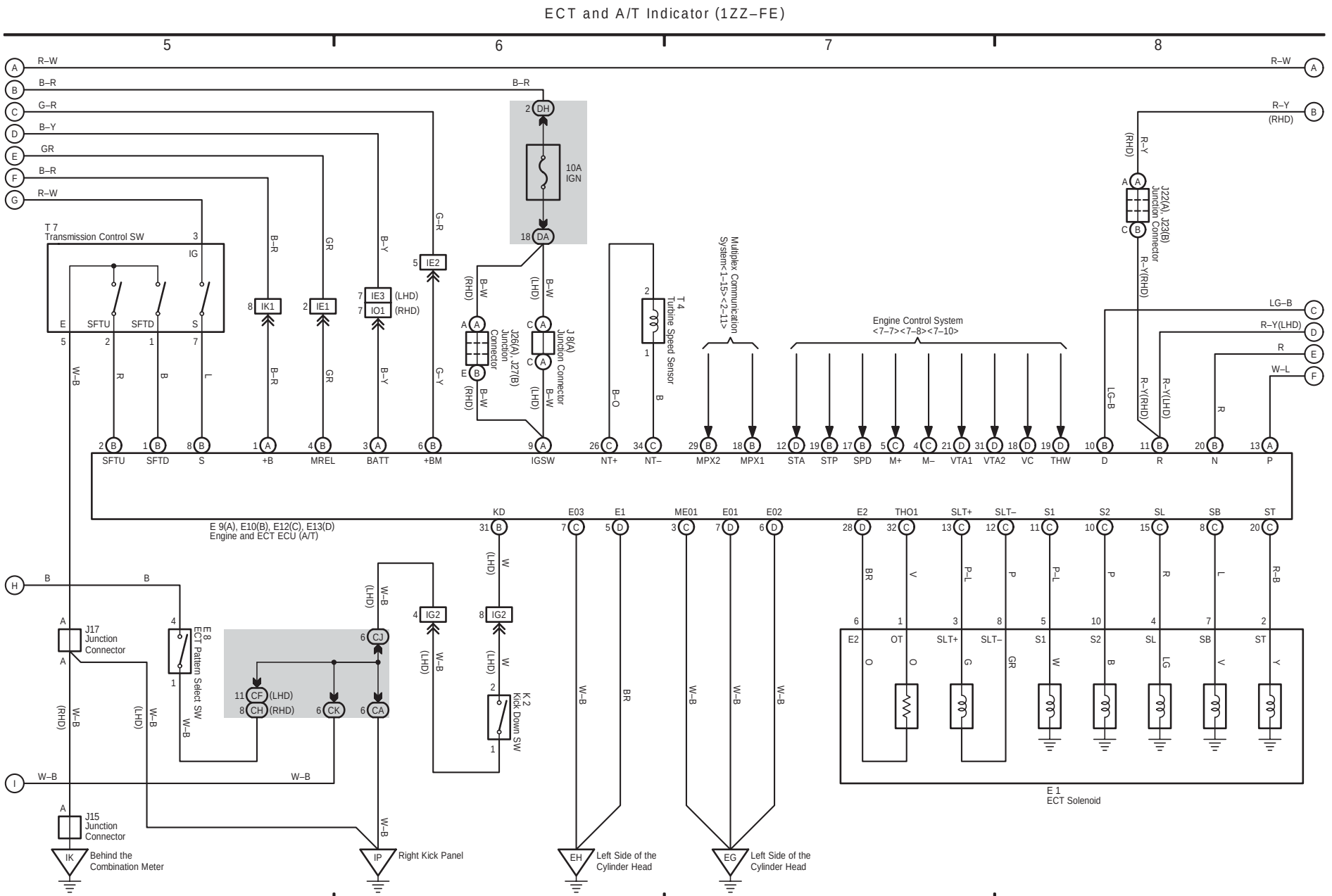
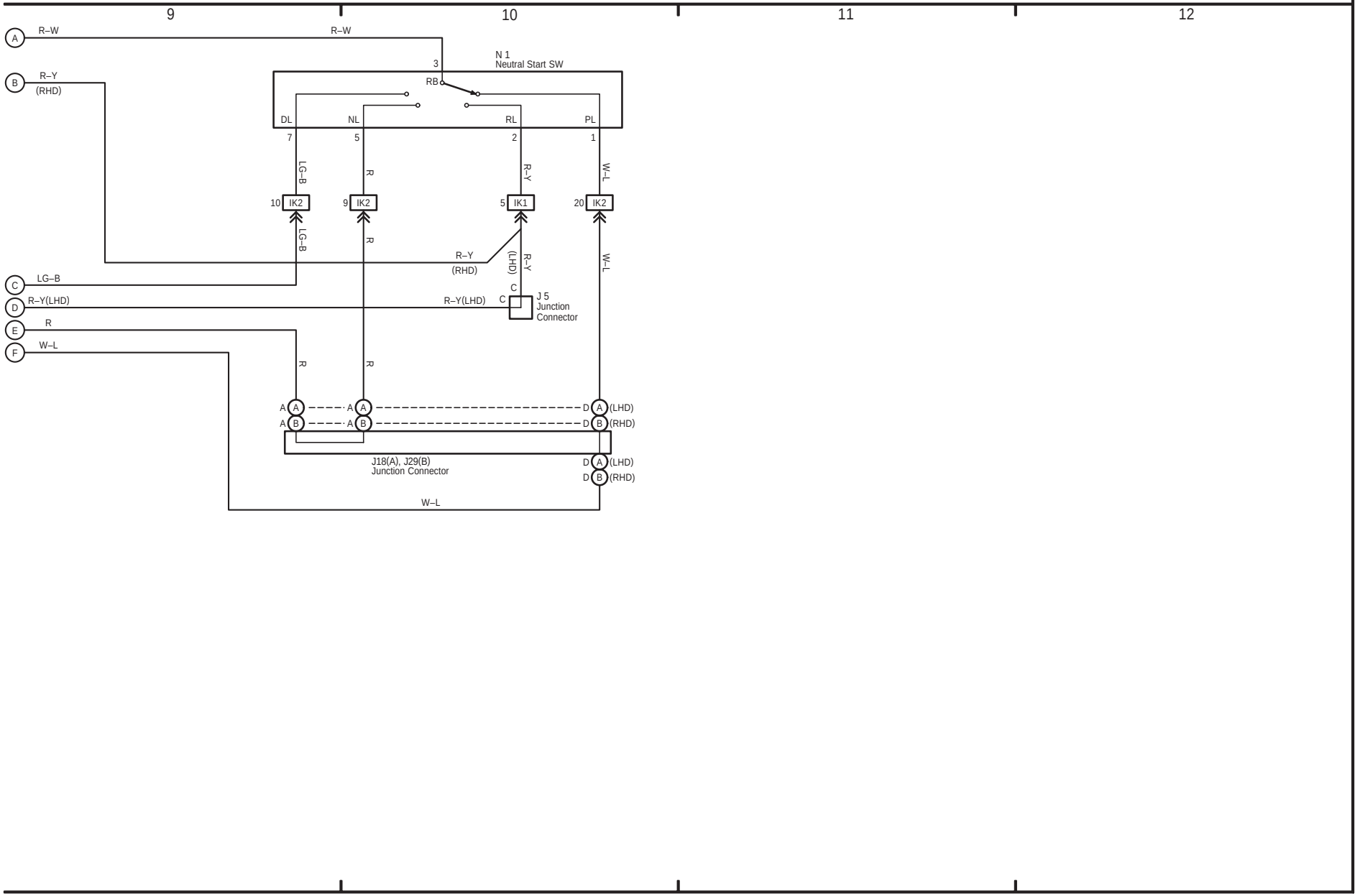
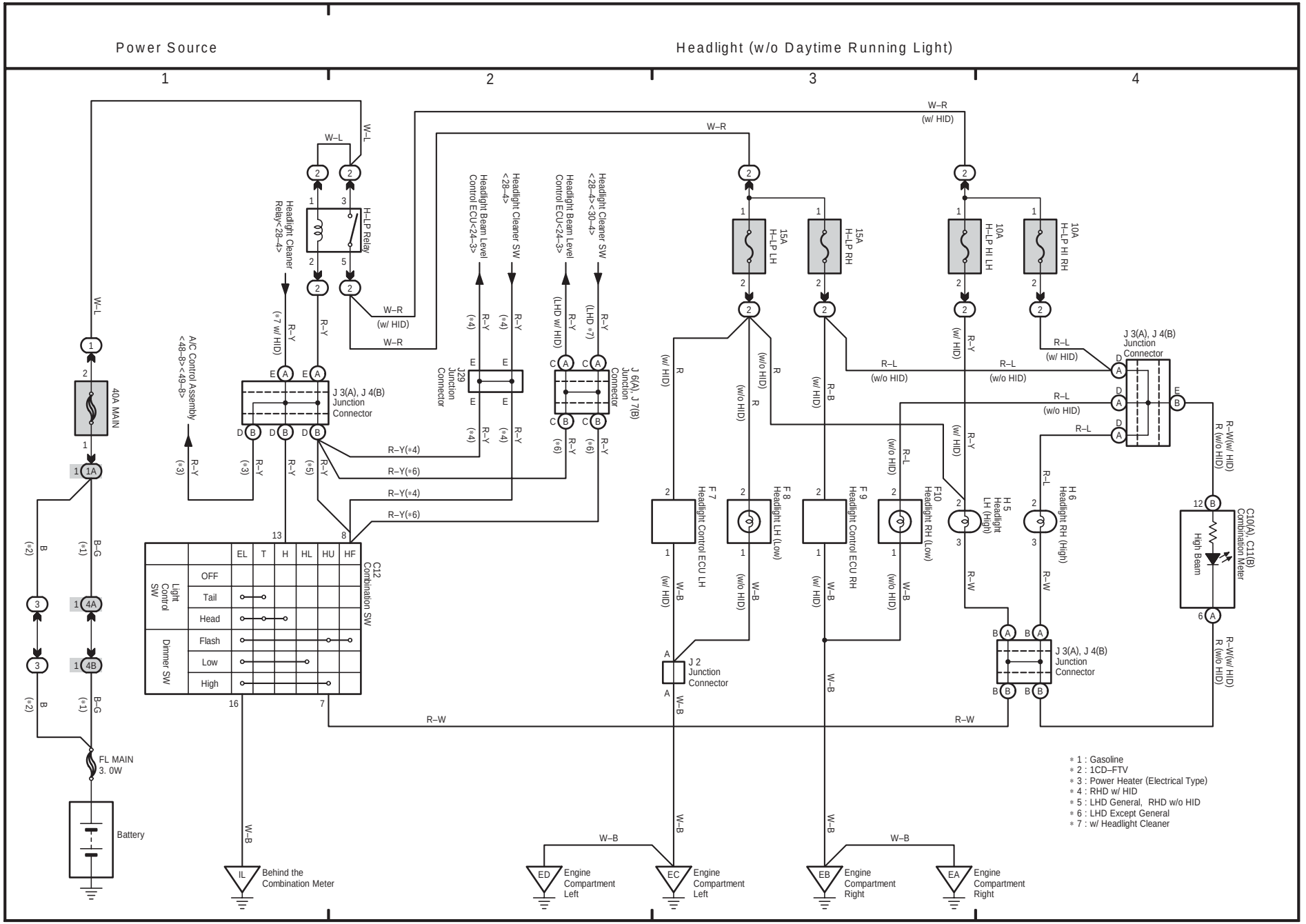


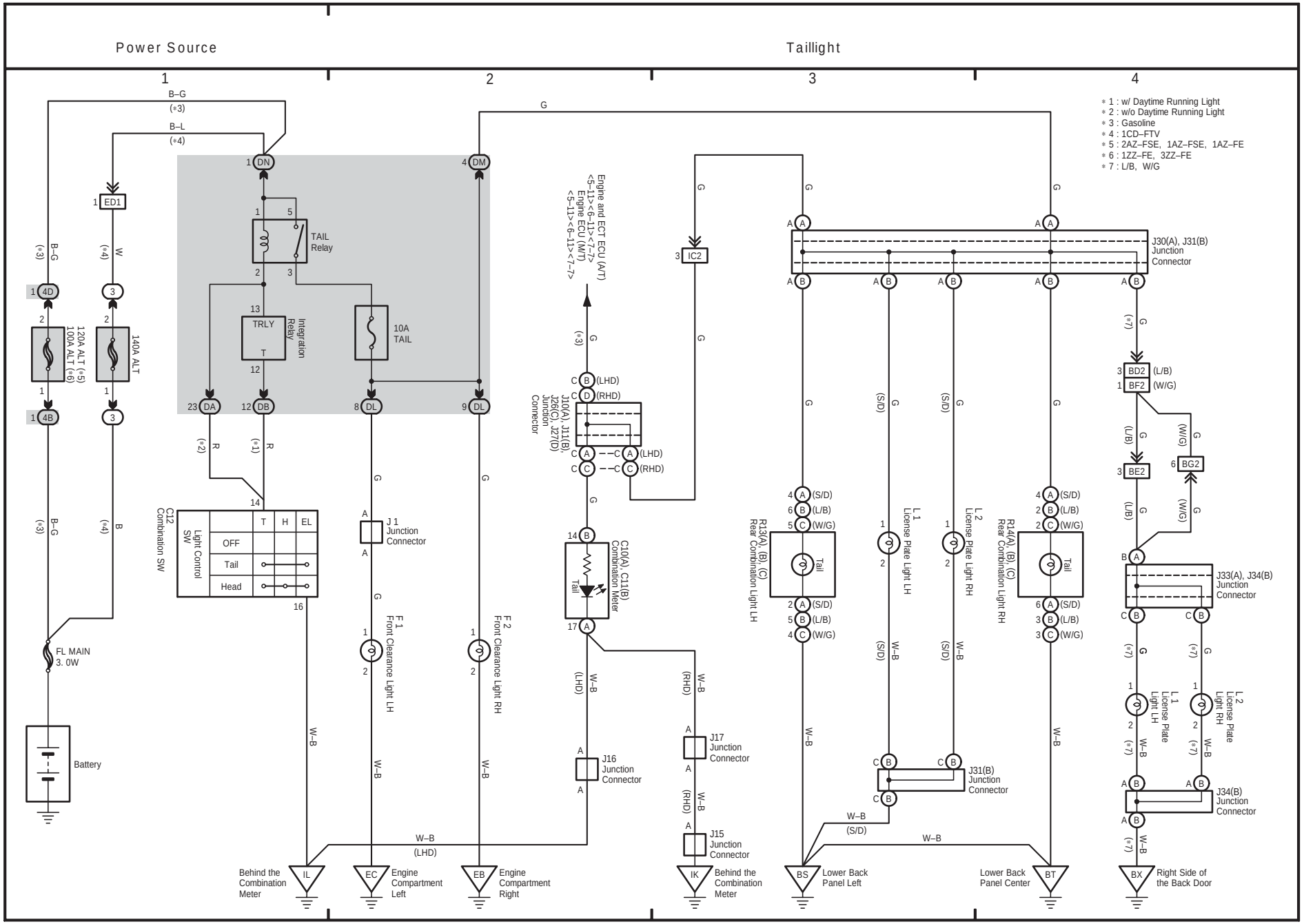
12 AVENSIS (Cont' d)

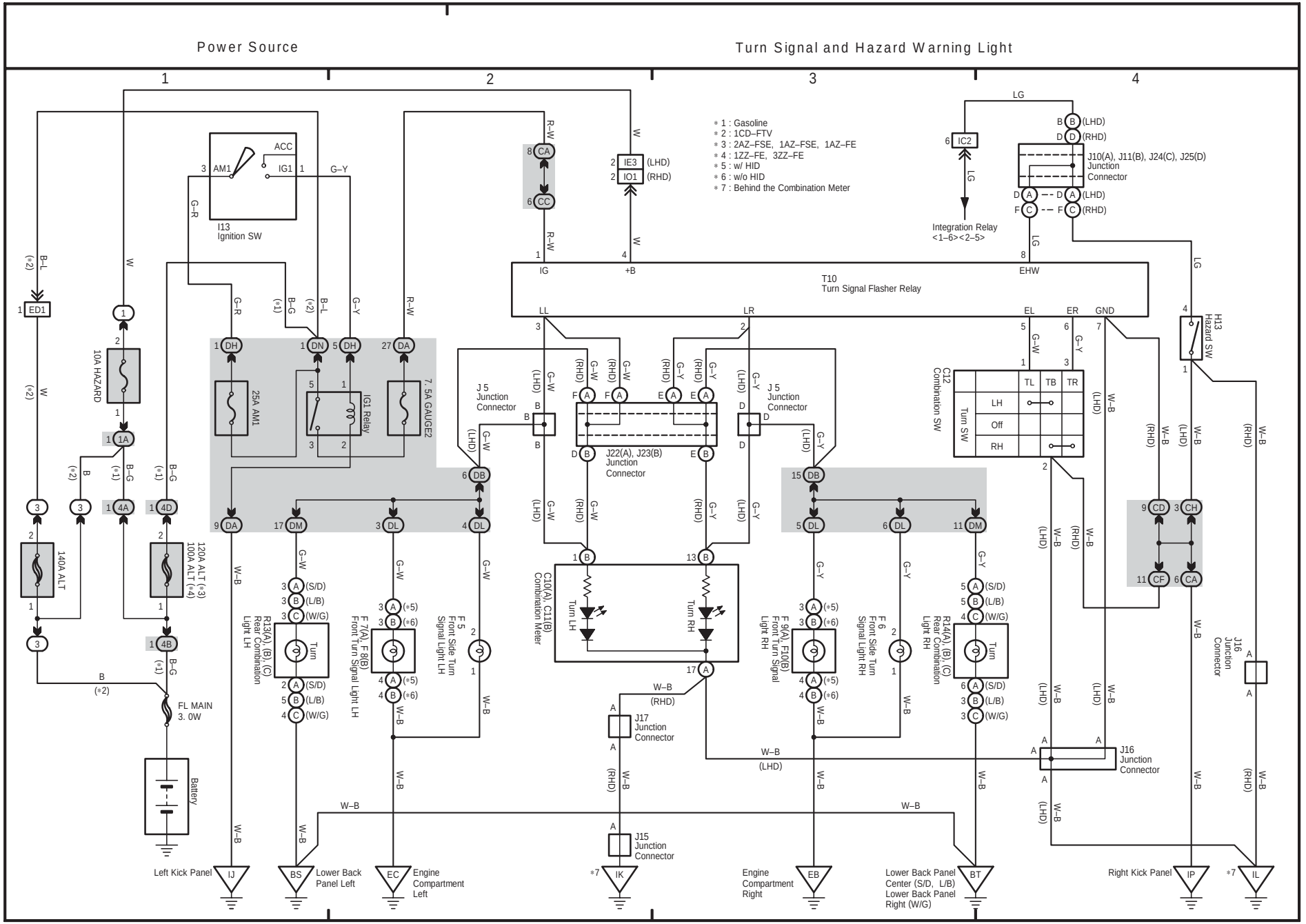
ECT and A/T Indicator (1ZZ–FE)

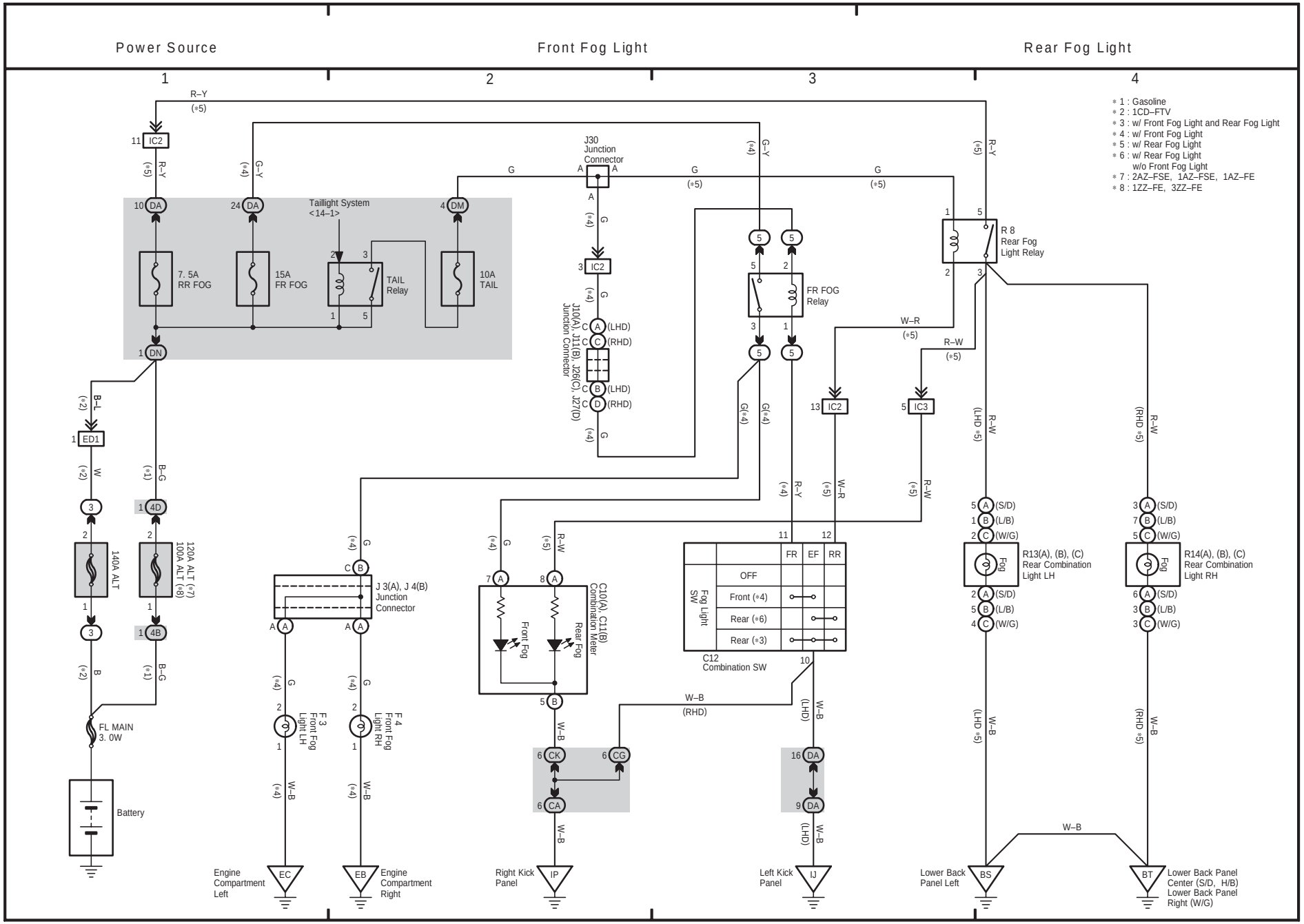


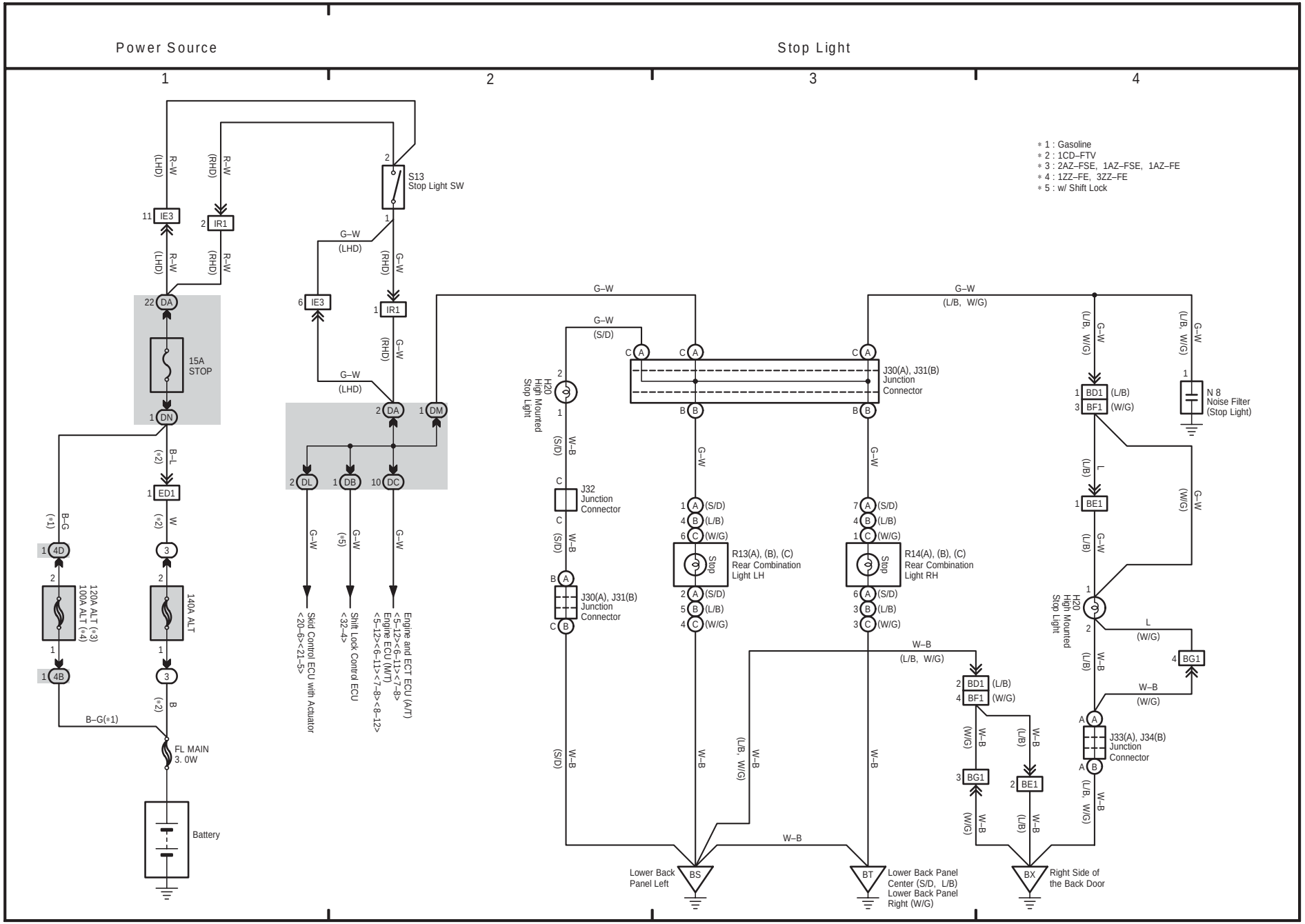

Power Source
Headlight (w/o Daytime Running Light)
1
2
3
4
40A MAIN
FL MAIN 3. 0W
Battery
H–LP Relay
Headlight Cleaner Relay<28–4>
A/C Control Assembly <48–8><49–8>
J 3(A), J 4(B) Junction Connector
J29 Junction Connector
J 6(A), J 7(B) Junction Connector
Headlight Beam Level Control ECU<24–3>
Headlight Cleaner SW <28–4>
Headlight Cleaner SW <28–4><30–4>
15A H–LP LH
15A H–LP RH
10A H–LP HI LH
10A H–LP HI RH
J 3(A), J 4(B) Junction Connector
F 7 Headlight Control ECU LH
F 8 Headlight LH (Low)
F 9 Headlight Control ECU RH
F10 Headlight RH (Low)
H 5 Headlight LH (High)
H 6 Headlight RH (High)
C10(A), C11(B) Combination Meter
High Beam
J 2 Junction Connector
J 3(A), J 4(B) Junction Connector
C12 Combination SW
Light Control SW
Dimmer SW
OFF
Tail
Head
Flash
Low
High
EL
T
H
HL
HU
HF
IL Behind the Combination Meter
ED Engine Compartment Left
EC Engine Compartment Left
EB Engine Compartment Right
EA Engine Compartment Right
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : Power Heater (Electrical Type)
* 4 : RHD w/ HID
* 5 : LHD General, RHD w/o HID
* 6 : LHD Except General
* 7 : w/ Headlight Cleaner

14 AVENSIS


Power Source
Taillight
1
2
3
4
* 1 : w/ Daytime Running Light
* 2 : w/o Daytime Running Light
* 3 : Gasoline
* 4 : 1CD–FTV
* 5 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 6 : 1ZZ–FE, 3ZZ–FE
* 7 : L/B, W/G
B–G (*3)
B–L (*4)
1 DN
4 DM
1 ED1
TAIL Relay
TRLY
Integration Relay
10A TAIL
120A ALT (*5) 100A ALT (*6)
140A ALT
4D
4B
23 DA
12 DB
8 DL
9 DL
(*2)
(*1)
C12 Combination SW
Light Control SW
OFF
Tail
Head
T
H
EL
FL MAIN 3. 0W
Battery
J 1 Junction Connector
F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
W–B
(LHD)
Behind the Combination Meter
IL
EC
Engine Compartment Left
EB
Engine Compartment Right
Engine and ECT ECU (A/T) <5–11><6–11><7–7> Engine ECU (M/T) <5–11><6–11><7–7>
J10(A), J11(B), J26(C), J27(D) Junction Connector
(LHD)
(RHD)
C10(A), C11(B) Combination Meter
J16 Junction Connector
J17 Junction Connector
J15 Junction Connector
IK
Behind the Combination Meter
IC2
J30(A), J31(B) Junction Connector
R13(A), (B), (C) Rear Combination Light LH
R14(A), (B), (C) Rear Combination Light RH
L 1 License Plate Light LH
L 2 License Plate Light RH
J31(B) Junction Connector
BS
Lower Back Panel Left
Lower Back Panel Center
BT
BD2 (L/B)
BF2 (W/G)
BG2
BE2
J33(A), J34(B) Junction Connector
J34(B) Junction Connector
BX
Right Side of the Back Door


Power Source
Turn Signal and Hazard Warning Light
1
2
3
4
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : w/ HID
* 6 : w/o HID
* 7 : Behind the Combination Meter
I13 Ignition SW
ACC
AM1
IG1
T10 Turn Signal Flasher Relay
IG
+B
EHW
LL
LR
EL
ER
GND
Integration Relay <1–6><2–5>
IC2
J10(A), J11(B), J24(C), J25(D) Junction Connector
H13 Hazard SW
C12 Combination SW
TL
TB
TR
LH
Off
RH
Turn SW
IE3
IO1
(LHD)
(RHD)
ED1
10A HAZARD
1A
25A AM1
IG1 Relay
7. 5A GAUGE2
1DH
1DN
5DH
27DA
8CA
6CC
J5 Junction Connector
J22(A), J23(B) Junction Connector
6DB
15DB
9DA
17DM
3DL
4DL
5DL
6DL
11DM
140A ALT
120A ALT (*3)
100A ALT (*4)
4A
4D
4B
FL MAIN 3. 0W
Battery
C10(A), C11(B) Combination Meter
Turn LH
Turn RH
R13(A), (B), (C) Rear Combination Light LH
F 7(A), F 8(B) Front Turn Signal Light LH
F 5 Front Side Turn Signal Light LH
F 9(A), F10(B) Front Turn Signal Light RH
F 6 Front Side Turn Signal Light RH
R14(A), (B), (C) Rear Combination Light RH
Turn
(S/D)
(L/B)
(W/G)
J17 Junction Connector
J15 Junction Connector
J16 Junction Connector
Left Kick Panel
IJ
BS
Lower Back Panel Left
EC
Engine Compartment Left
IK
Engine Compartment Right
EB
Lower Back Panel Center (S/D, L/B) Lower Back Panel Right (W/G)
BT
Right Kick Panel
IP
IL


Power Source
Front Fog Light
Rear Fog Light
1
2
3
4
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : w/ Front Fog Light and Rear Fog Light
* 4 : w/ Front Fog Light
* 5 : w/ Rear Fog Light
* 6 : w/ Rear Fog Light w/o Front Fog Light
* 7 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 8 : 1ZZ–FE, 3ZZ–FE
R–Y (*5)
11 IC2
10 DA
24 DA
4 DM
Taillight System <14–1>
7. 5A RR FOG
15A FR FOG
TAIL Relay
10A TAIL
1 DN
J30 Junction Connector
G
G–Y (*4)
G (*5)
R–Y (*5)
3 IC2
J10(A), J11(B), J26(C), J27(D) Junction Connector
(LHD)
(RHD)
FR FOG Relay
R 8 Rear Fog Light Relay
W–R (*5)
R–W (*5)
13 IC2
5 IC3
B–L (*2)
1 ED1
W (*2)
B–G (*1)
4D
4B
140A ALT
120A ALT (*7)
100A ALT (*8)
B (*2)
FL MAIN 3. 0W
Battery
J 3(A), J 4(B) Junction Connector
F 3 Front Fog Light LH
F 4 Front Fog Light RH
W–B (*4)
C10(A), C11(B) Combination Meter
Front Fog
Rear Fog
R–W (*5)
C12 Combination SW
Fog Light SW
FR
EF
RR
OFF
Front (*4)
Rear (*6)
Rear (*3)
W–B (RHD)
W–B (LHD)
6 CK
6 CG
6 CA
16 DA
9 DA
R–W (LHD *5)
R–W (RHD *5)
R13(A), (B), (C) Rear Combination Light LH
R14(A), (B), (C) Rear Combination Light RH
(S/D)
(L/B)
(W/G)
Fog
W–B (LHD *5)
W–B (RHD *5)
Engine Compartment Left
EC
Engine Compartment Right
EB
Right Kick Panel
IP
Left Kick Panel
IJ
Lower Back Panel Left
BS
Lower Back Panel Center (S/D, H/B)
Lower Back Panel Right (W/G)
BT


Power Source
Stop Light
1
2
3
4
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : w/ Shift Lock
S13
Stop Light SW
15A
STOP
120A ALT (*3)
100A ALT (*4)
140A ALT
FL MAIN
3. 0W
Battery
Skid Control ECU with Actuator
<20–6><21–5>
Shift Lock Control ECU
<32–4>
Engine and ECT ECU (A/T)
<5–12><6–11><7–8>
Engine ECU (M/T)
<5–12><6–11><7–8><8–12>
H20
High Mounted
Stop Light
J32
Junction
Connector
J30(A), J31(B)
Junction
Connector
R13(A), (B), (C)
Rear Combination
Light LH
R14(A), (B), (C)
Rear Combination
Light RH
N 8
Noise Filter
(Stop Light)
J33(A), J34(B)
Junction
Connector
Lower Back
Panel Left
Lower Back Panel
Center (S/D, L/B)
Lower Back Panel
Right (W/G)
Right Side of
the Back Door

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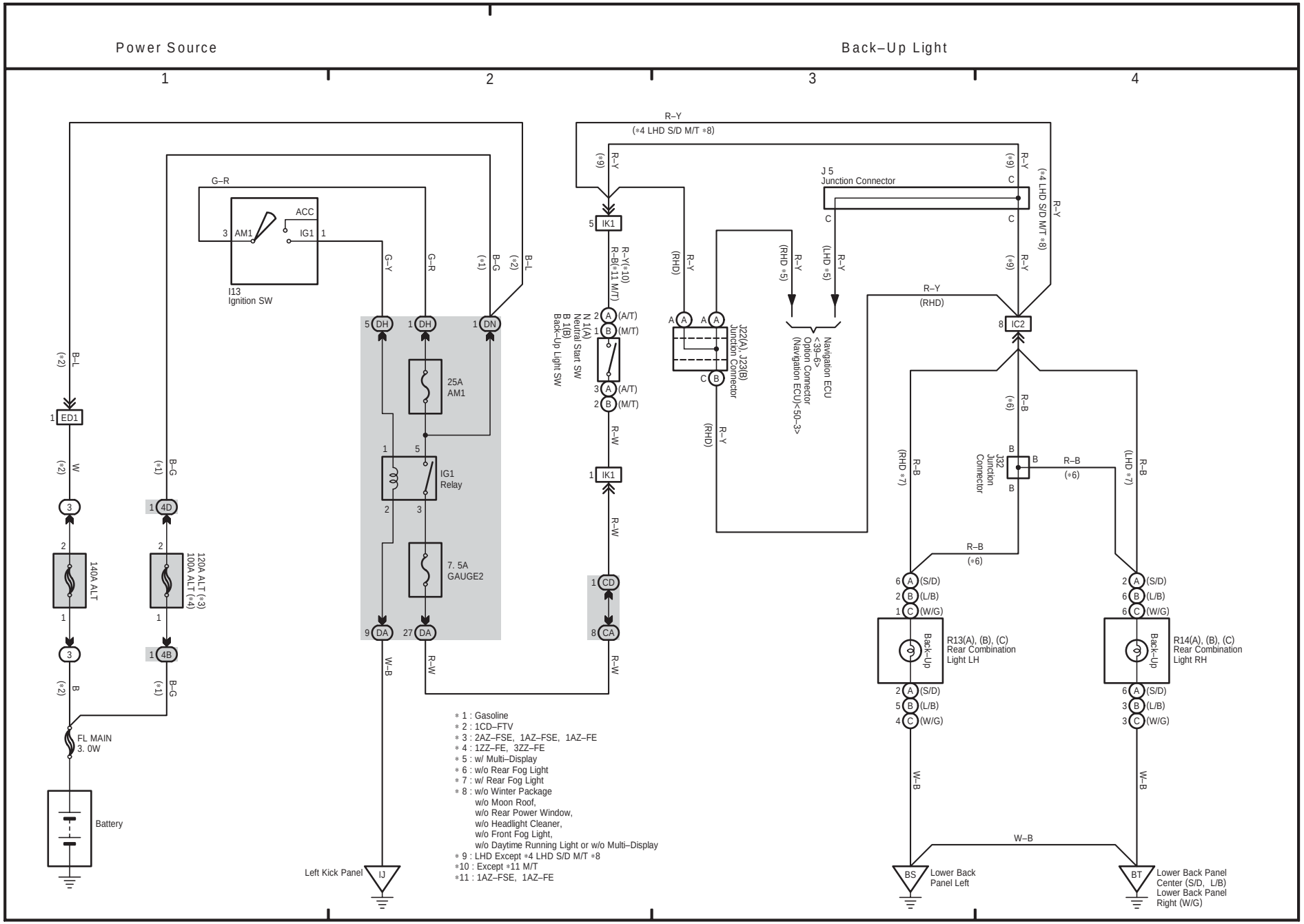
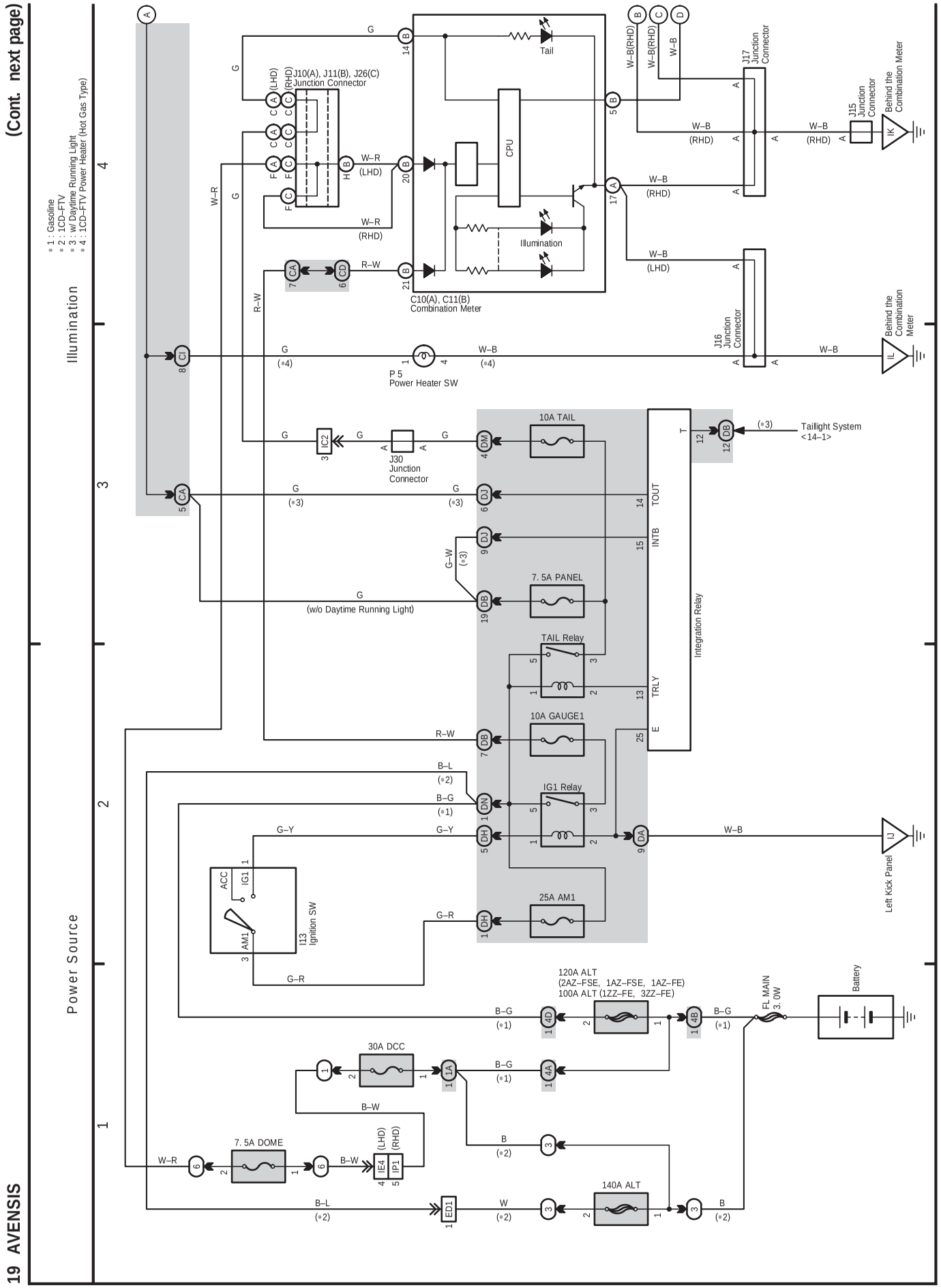
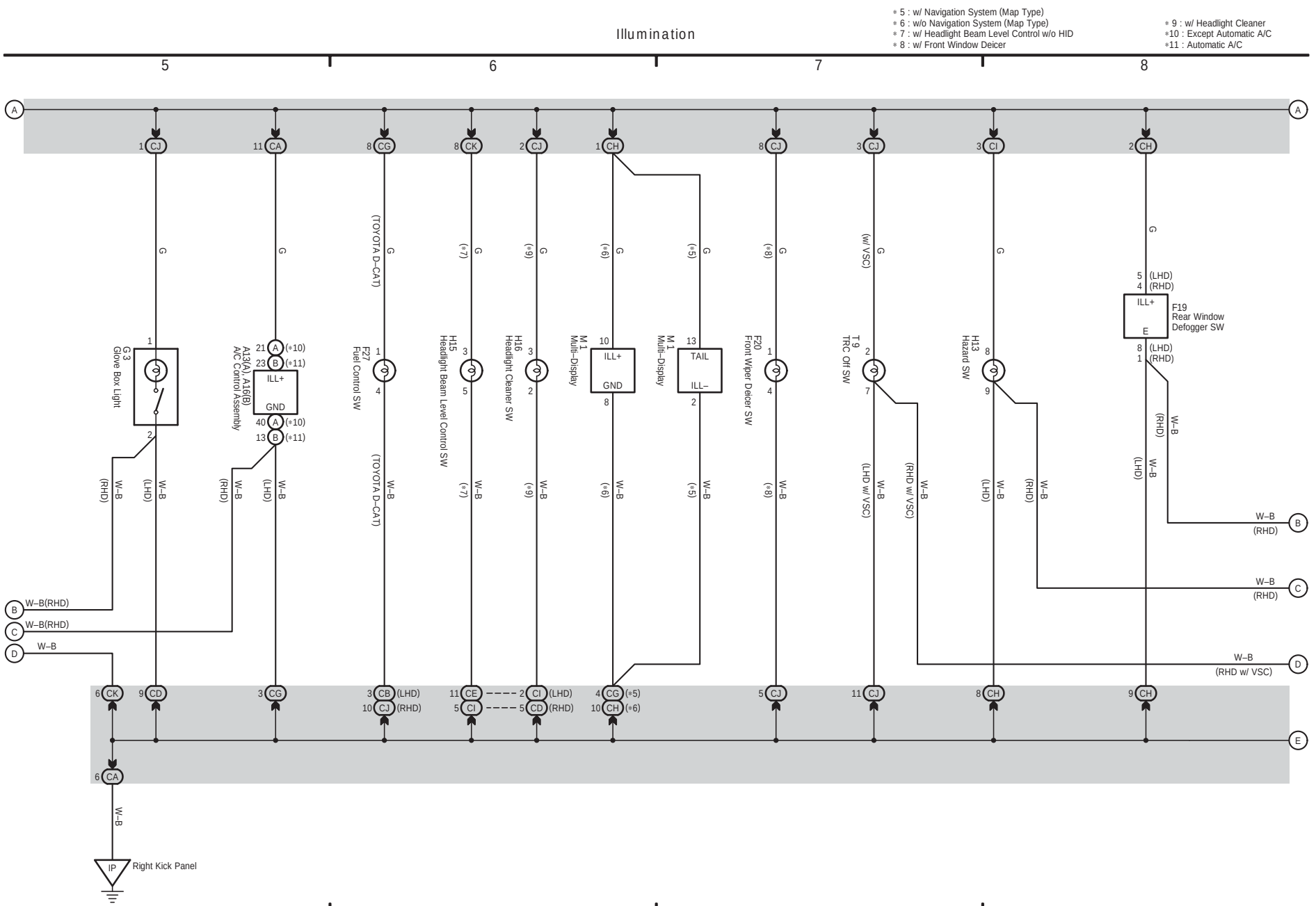
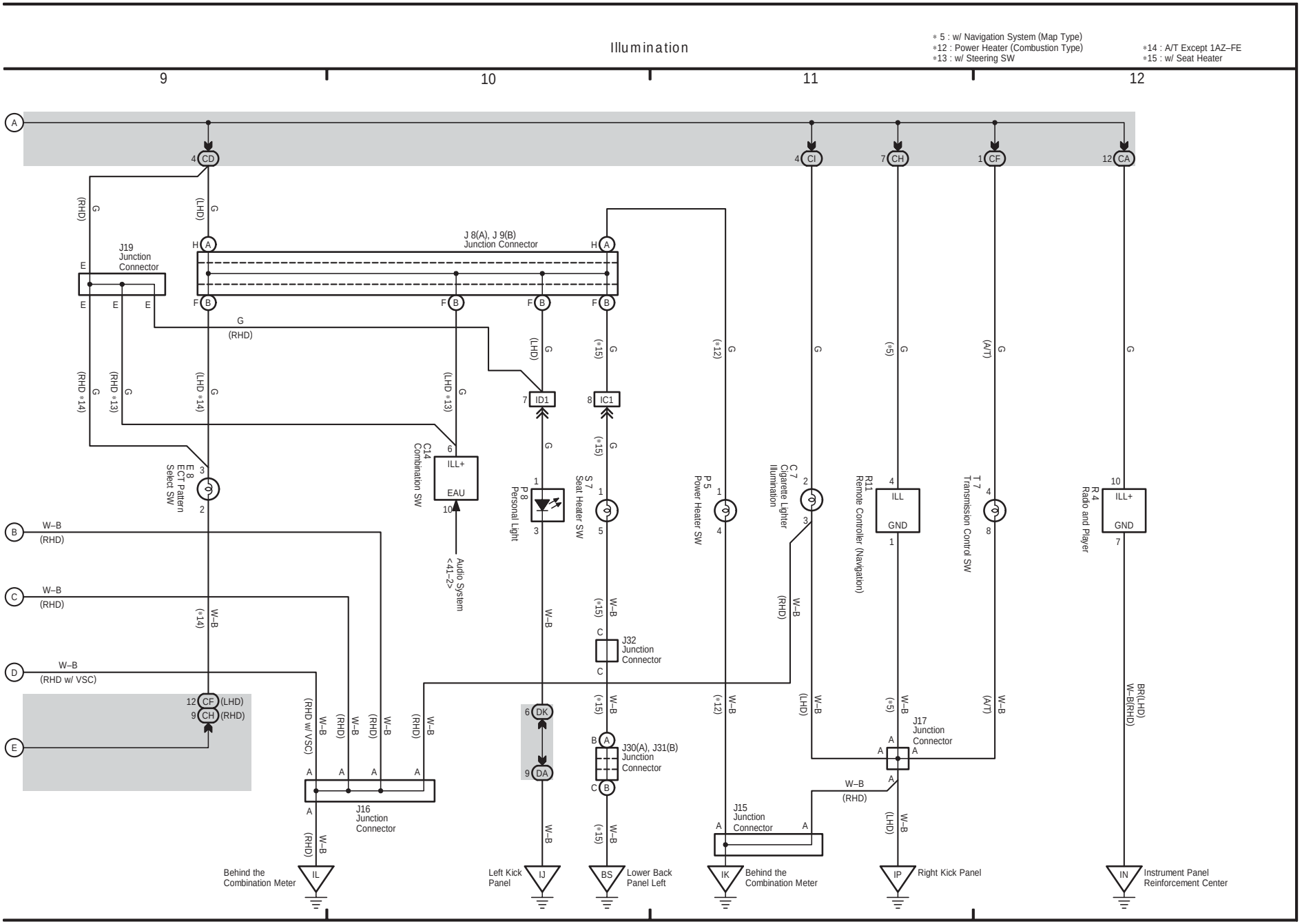

Power Source
Back–Up Light
1
2
3
4
R–Y
(*4 LHD S/D M/T *8)
G–R
ACC
3 AM1
IG1 1
I13
Ignition SW
G–Y
B–G
B–L
(*1)
(*2)
5 IK1
R–Y(*10)
R–B(*11 M/T)
N 1(A)
B 1(B)
Neutral Start SW
Back–Up Light SW
2 A (A/T)
1 B (M/T)
3 A (A/T)
2 B (M/T)
R–W
1 IK1
1 CD
8 CA
5 DH
1 DH
1 DN
25A
AM1
IG1
Relay
7. 5A
GAUGE2
9 DA
27 DA
W–B
1 ED1
W
B
3
2
140A ALT
1
1 4D
120A ALT (*3)
100A ALT (*4)
1 4B
FL MAIN
3. 0W
Battery
Left Kick Panel
IJ
(RHD)
(LHD *5)
(RHD *5)
J22(A), J23(B)
Junction Connector
Navigation ECU
<39–6>
Option Connector
(Navigation ECU)<50–3>
J 5
Junction Connector
C
(*9)
8 IC2
R–B
(*6)
(RHD *7)
(LHD *7)
J32
Junction
Connector
B
6 A (S/D)
2 B (L/B)
1 C (W/G)
Back–Up
R13(A), (B), (C)
Rear Combination
Light LH
2 A (S/D)
5 B (L/B)
4 C (W/G)
2 A (S/D)
6 B (L/B)
6 C (W/G)
R14(A), (B), (C)
Rear Combination
Light RH
6 A (S/D)
3 B (L/B)
3 C (W/G)
BS
Lower Back
Panel Left
BT
Lower Back Panel
Center (S/D, L/B)
Lower Back Panel
Right (W/G)
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : w/ Multi–Display
* 6 : w/o Rear Fog Light
* 7 : w/ Rear Fog Light
* 8 : w/o Winter Package
w/o Moon Roof,
w/o Rear Power Window,
w/o Headlight Cleaner,
w/o Front Fog Light,
w/o Daytime Running Light or w/o Multi–Display
* 9 : LHD Except *4 LHD S/D M/T *8
*10 : Except *11 M/T
*11 : 1AZ–FSE, 1AZ–FE


(Cont. next page)
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : w/ Daytime Running Light
* 4 : 1CD–FTV Power Heater (Hot Gas Type)
Illumination
Power Source
J10(A), J11(B), J26(C) Junction Connector
C10(A), C11(B) Combination Meter
CPU
Tail
Illumination
J17 Junction Connector
J15 Junction Connector
J16 Junction Connector
Behind the Combination Meter
P 5 Power Heater SW
J30 Junction Connector
10A TAIL
7. 5A PANEL
TAIL Relay
10A GAUGE1
IG1 Relay
25A AM1
Integration Relay
TOUT
INTB
TRLY
I13 Ignition SW
ACC
IG1
AM1
Taillight System <14–1>
(w/o Daytime Running Light)
Left Kick Panel
120A ALT (2AZ–FSE, 1AZ–FSE, 1AZ–FE) 100A ALT (1ZZ–FE, 3ZZ–FE)
30A DCC
7. 5A DOME
140A ALT
FL MAIN 3. 0W
Battery
W–B(RHD)
W–B
W–B (RHD)
W–B (LHD)
W–R (LHD)
W–R (RHD)
R–W
B–L
B–G
G–Y
G–R
G–W
B–W
B
W
G
(*1)
(*2)
(*3)
(*4)
19 AVENSIS

(Cont. next page)



19 AVENSIS (Cont' d)



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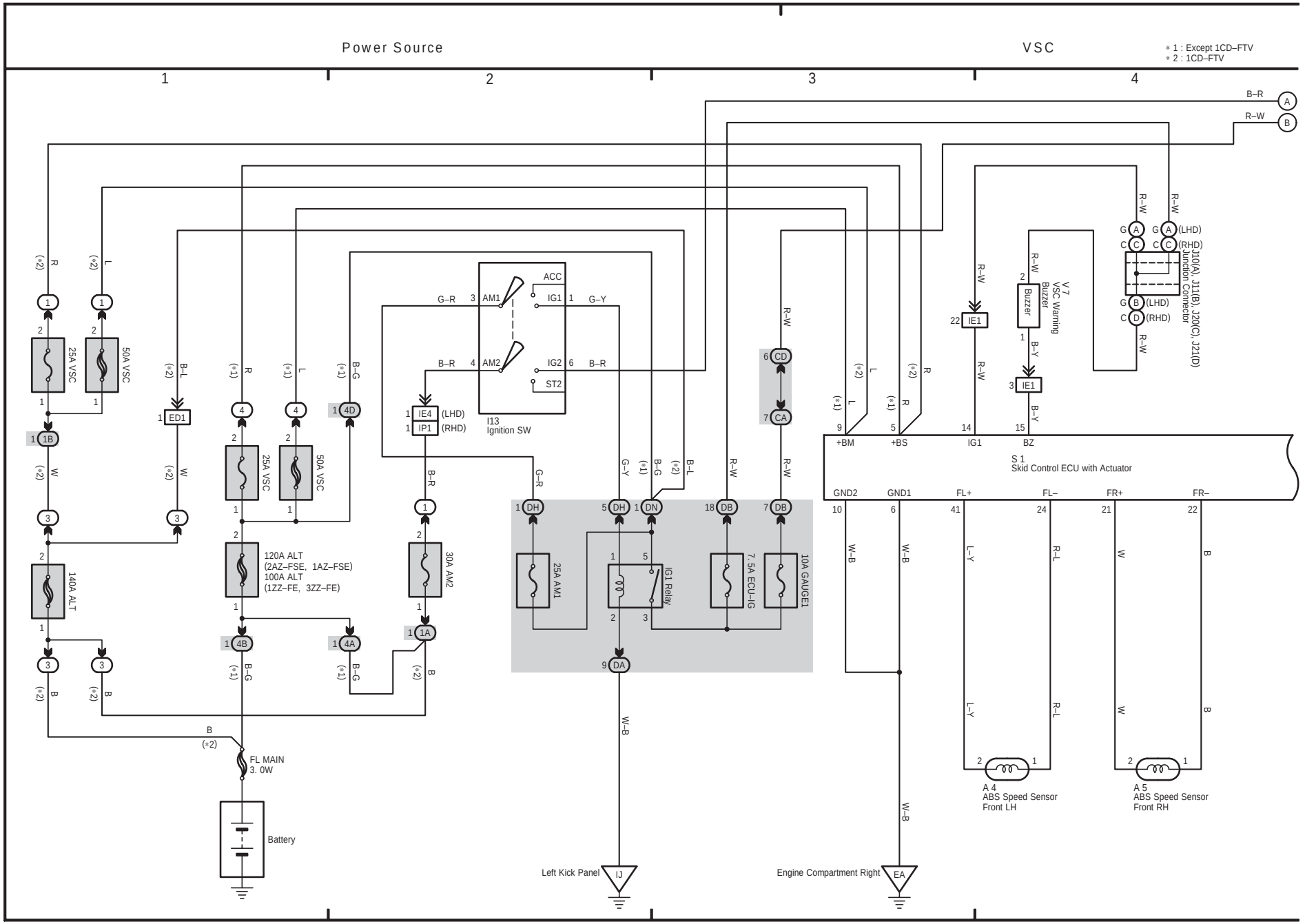

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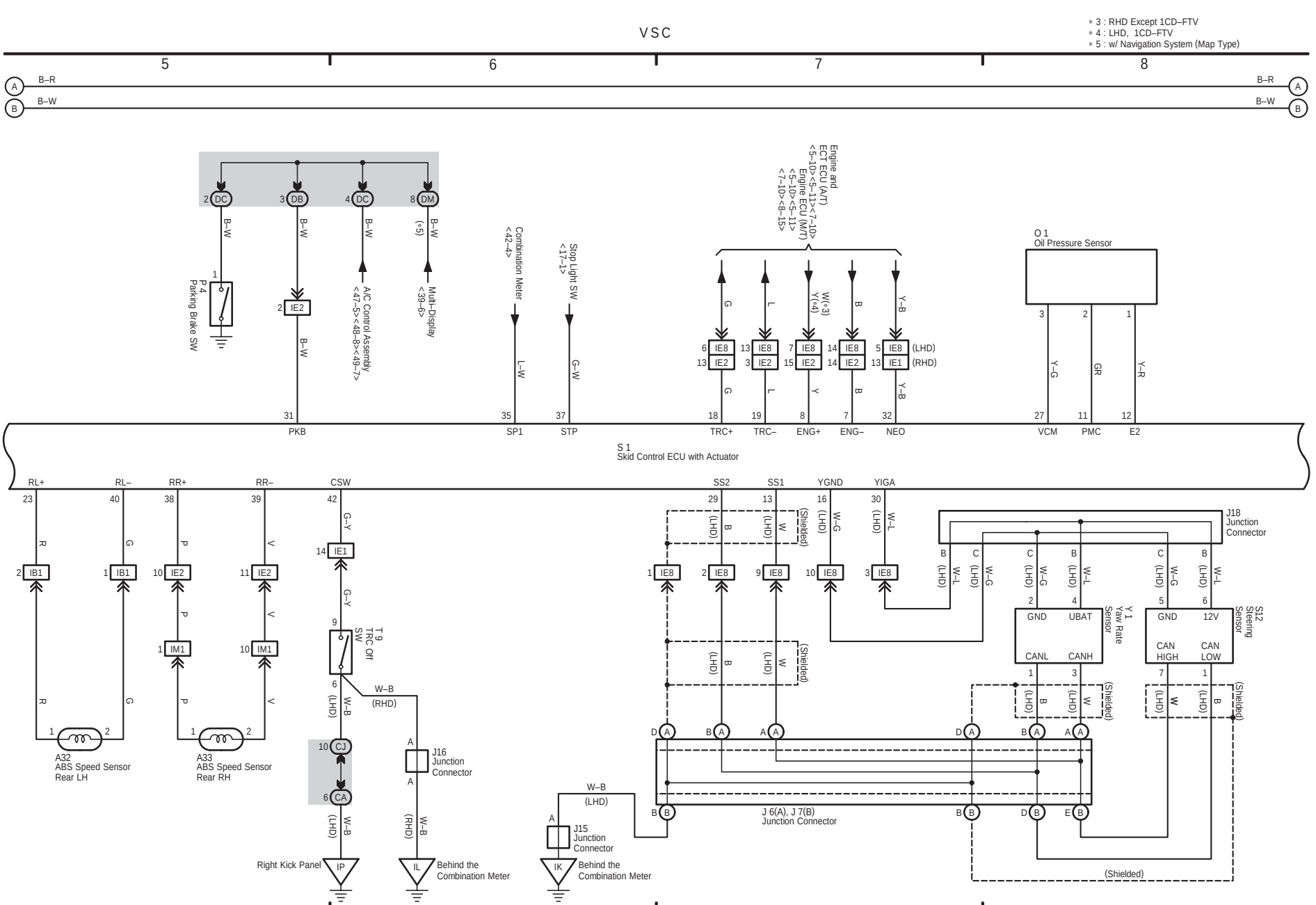
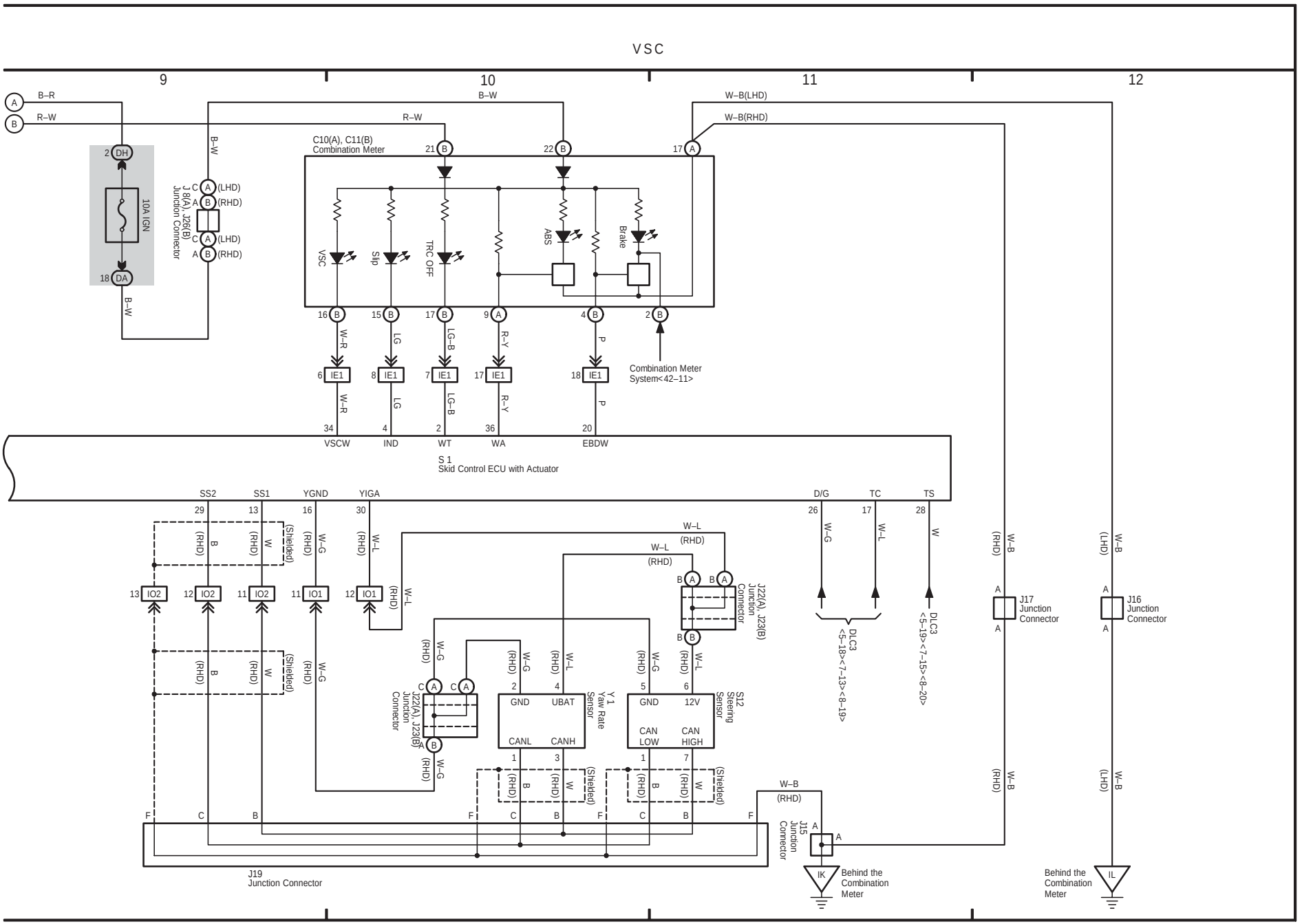
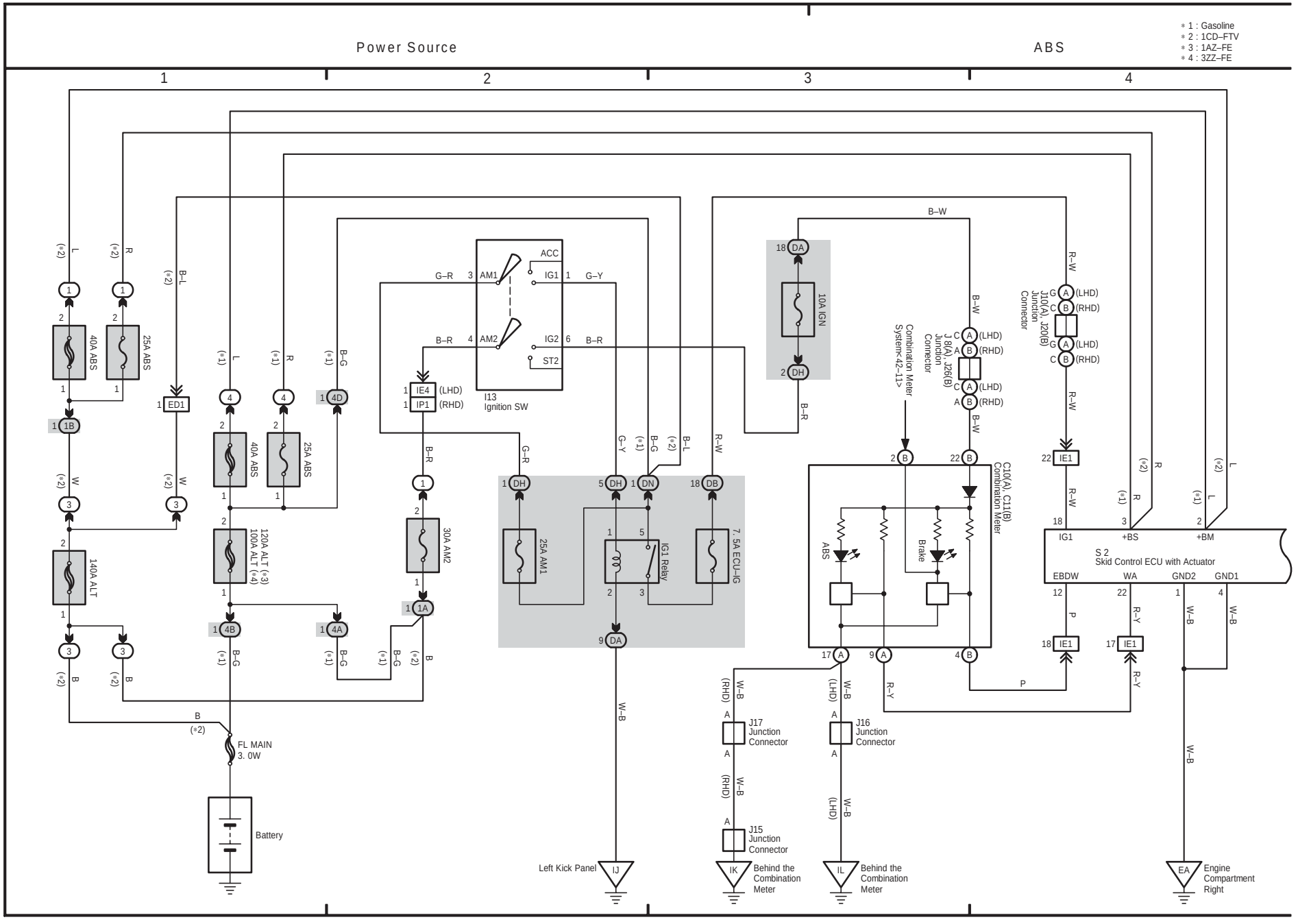
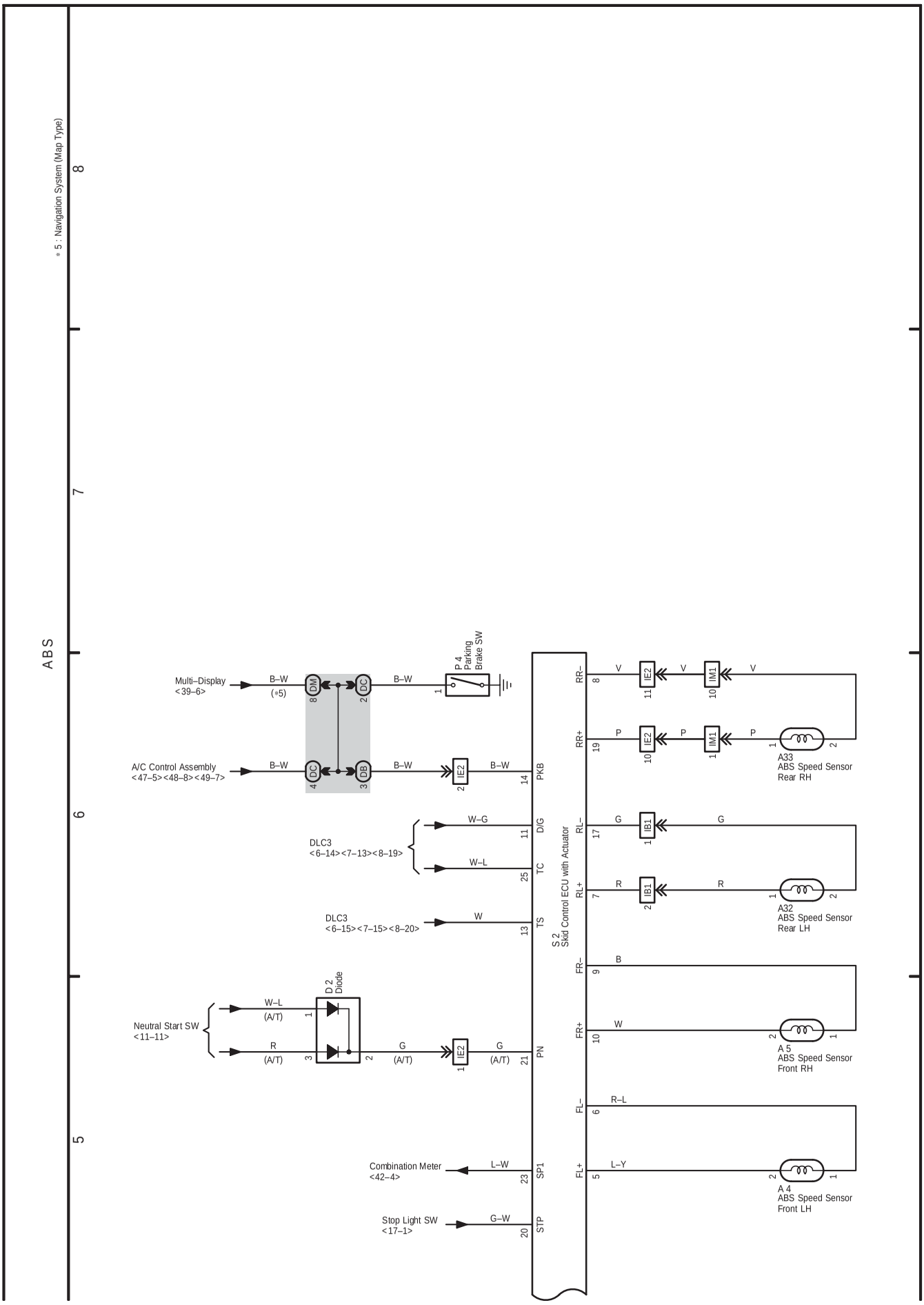



VSC
9
10
11
12
B–R
R–W
B–W
W–B(LHD)
W–B(RHD)
2 DH
10A IGN
18 DA
J 8(A), 126(B) Junction Connector
(LHD)
(RHD)
C10(A), C11(B) Combination Meter
VSC
Slip
TRC OFF
ABS
Brake
W–R
LG
LG–B
R–Y
P
IE1
Combination Meter System<42–11>
VSCW
IND
WT
WA
EBDW
S 1
Skid Control ECU with Actuator
SS2
SS1
YGND
YIGA
D/G
TC
TS
IO2
IO1
(Shielded)
W–L
W–G
W
J22(A), J23(B) Junction Connector
Y 1
Yaw Rate Sensor
GND
UBAT
CANL
CANH
S12
Steering Sensor
12V
CAN LOW
CAN HIGH
DLC3
<5–18><7–13><8–19>
<5–19><7–15><8–20>
J17 Junction Connector
J16 Junction Connector
J15 Junction Connector
J19 Junction Connector
IK
IL
Behind the Combination Meter

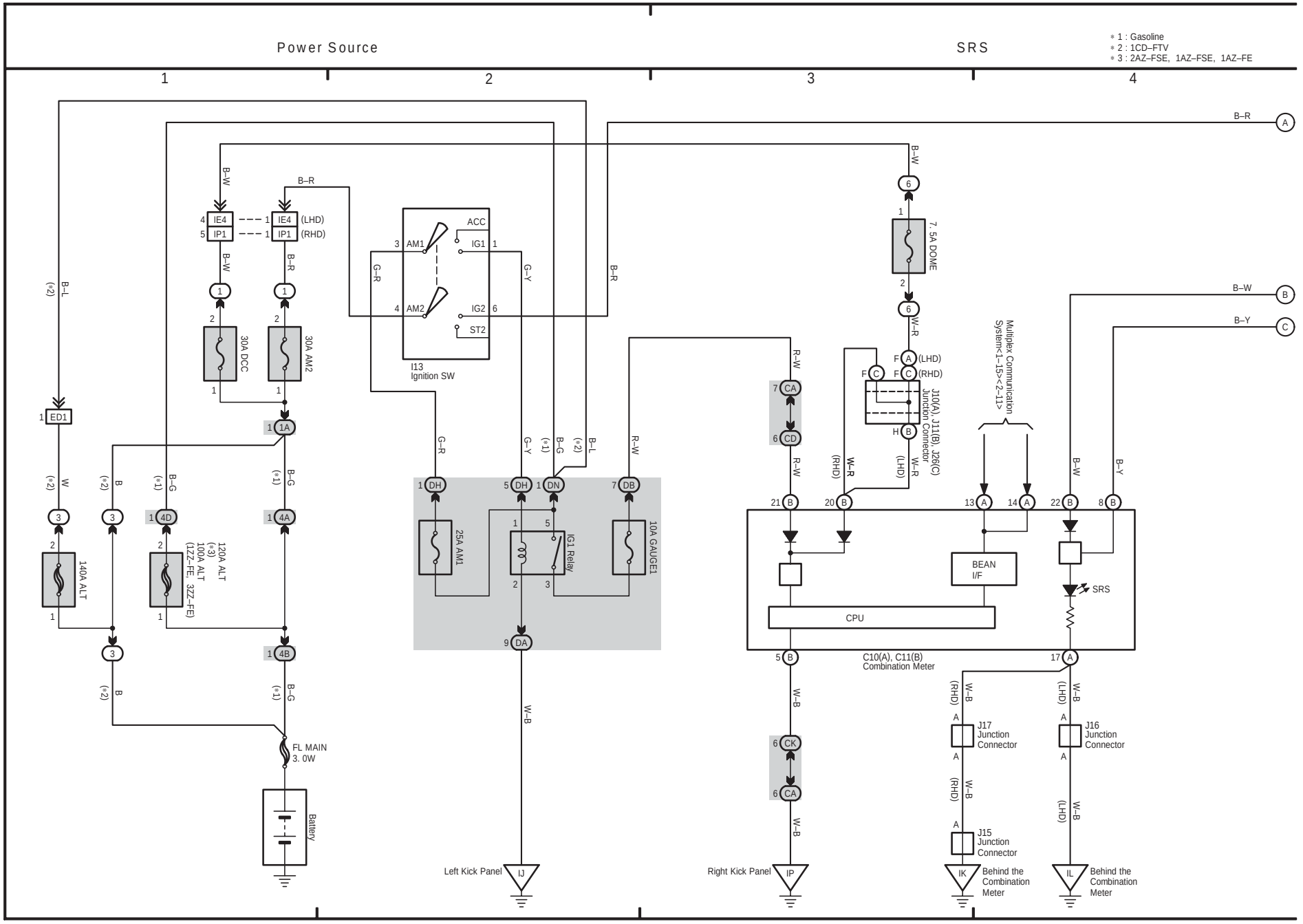

Power Source
ABS
1
2
3
4
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 1AZ–FE
* 4 : 3ZZ–FE
40A ABS
25A ABS
140A ALT
ED1
40A ABS
25A ABS
120A ALT (*3)
100A ALT (*4)
4B
4A
4D
1B
1A
IE4 (LHD)
IP1 (RHD)
I13
Ignition SW
ACC
IG1
IG2
ST2
AM1
AM2
30A AM2
DH
DN
DB
DA
25A AM1
IG1 Relay
7. 5A ECU–IG
10A IGN
Combination Meter System<42–11>
J8(A), J26(B) Junction Connector
J10(A), J20(B) Junction Connector
C10(A), C11(B) Combination Meter
ABS
Brake
S 2
Skid Control ECU with Actuator
IG1
+BS
+BM
EBDW
WA
GND2
GND1
IE1
J17 Junction Connector
J16 Junction Connector
J15 Junction Connector
FL MAIN
3. 0W
Battery
Left Kick Panel
IJ
IK
Behind the Combination Meter
IL
Behind the Combination Meter
EA
Engine Compartment Right
(LHD)
(RHD)
(*1)
(*2)
(Cont. next page)

21 AVENSIS (Cont' d)



22 AVENSIS

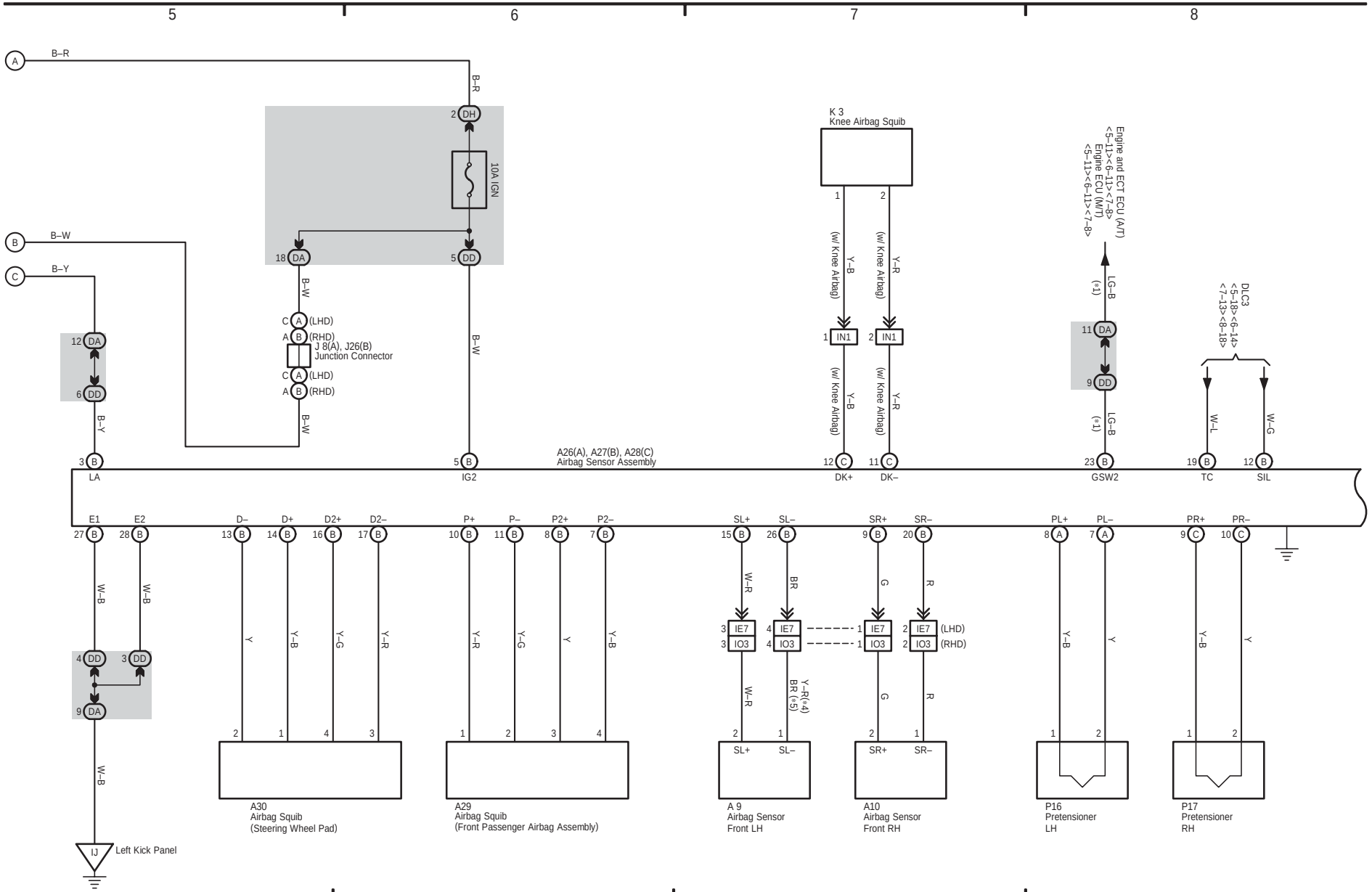
(Cont. next page)



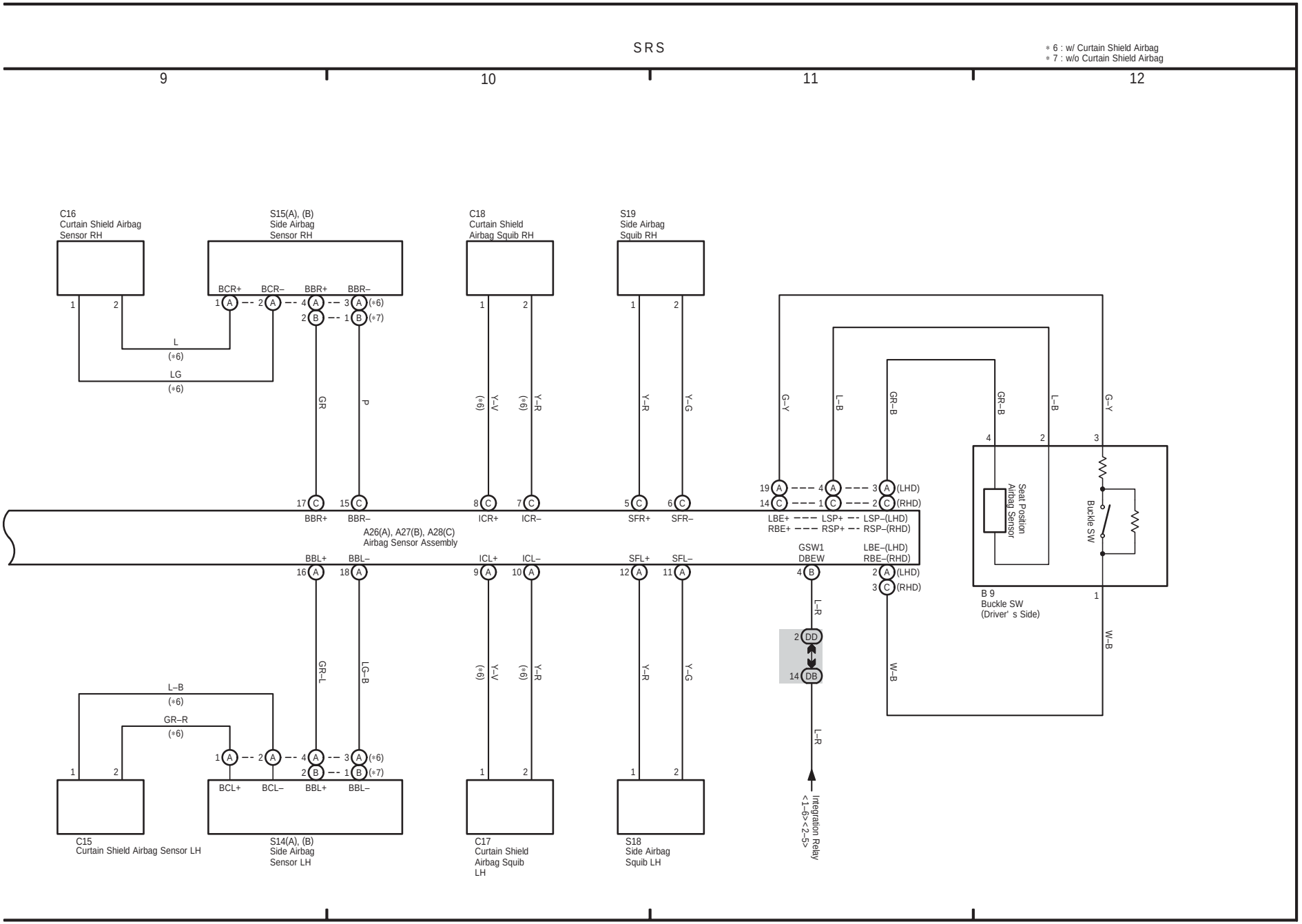
(Cont. next page)

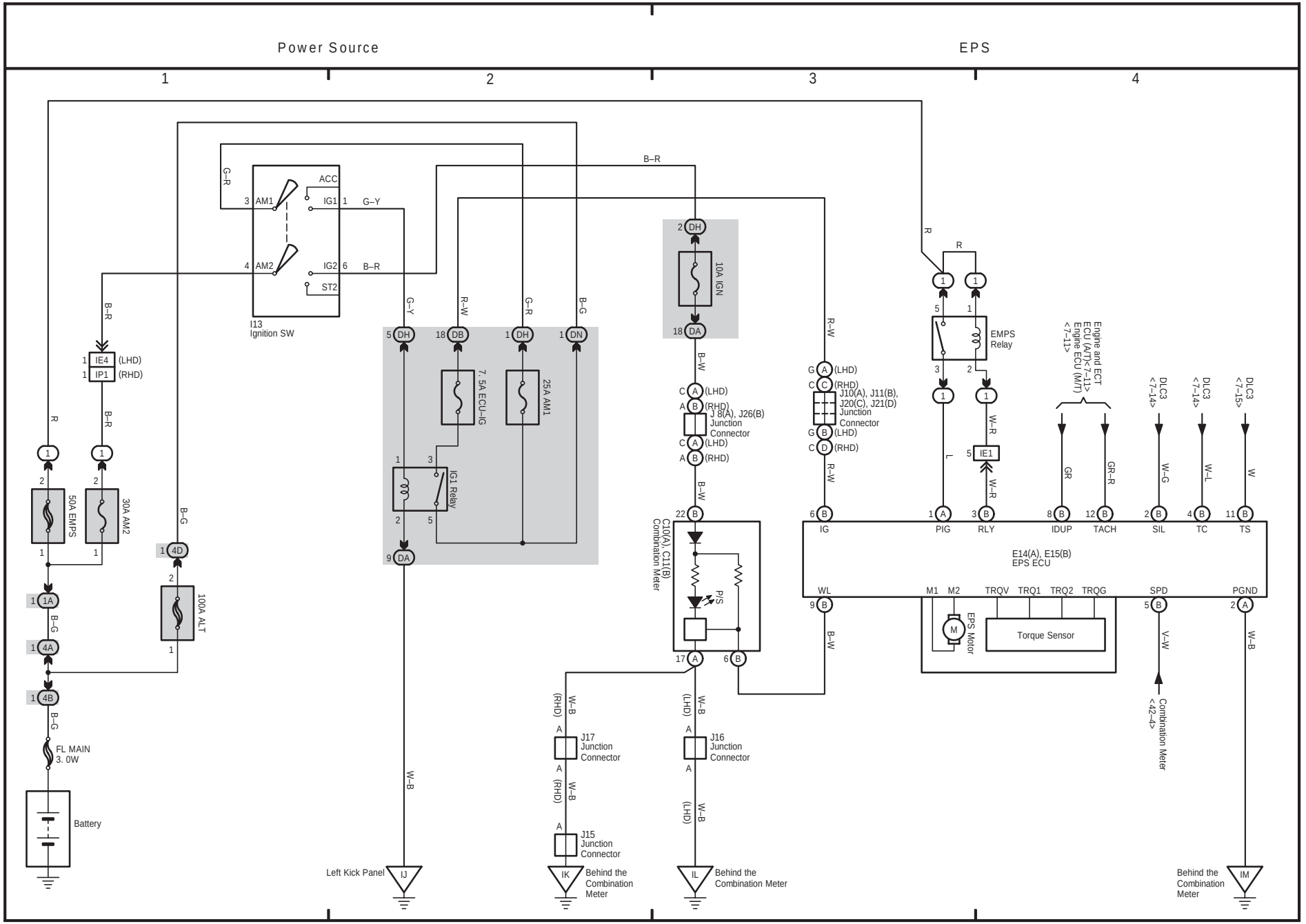
SRS

* 1 : Gasoline
* 4 : LHD 1CD–FTV
* 5 : Except LHD 1CD–FTV

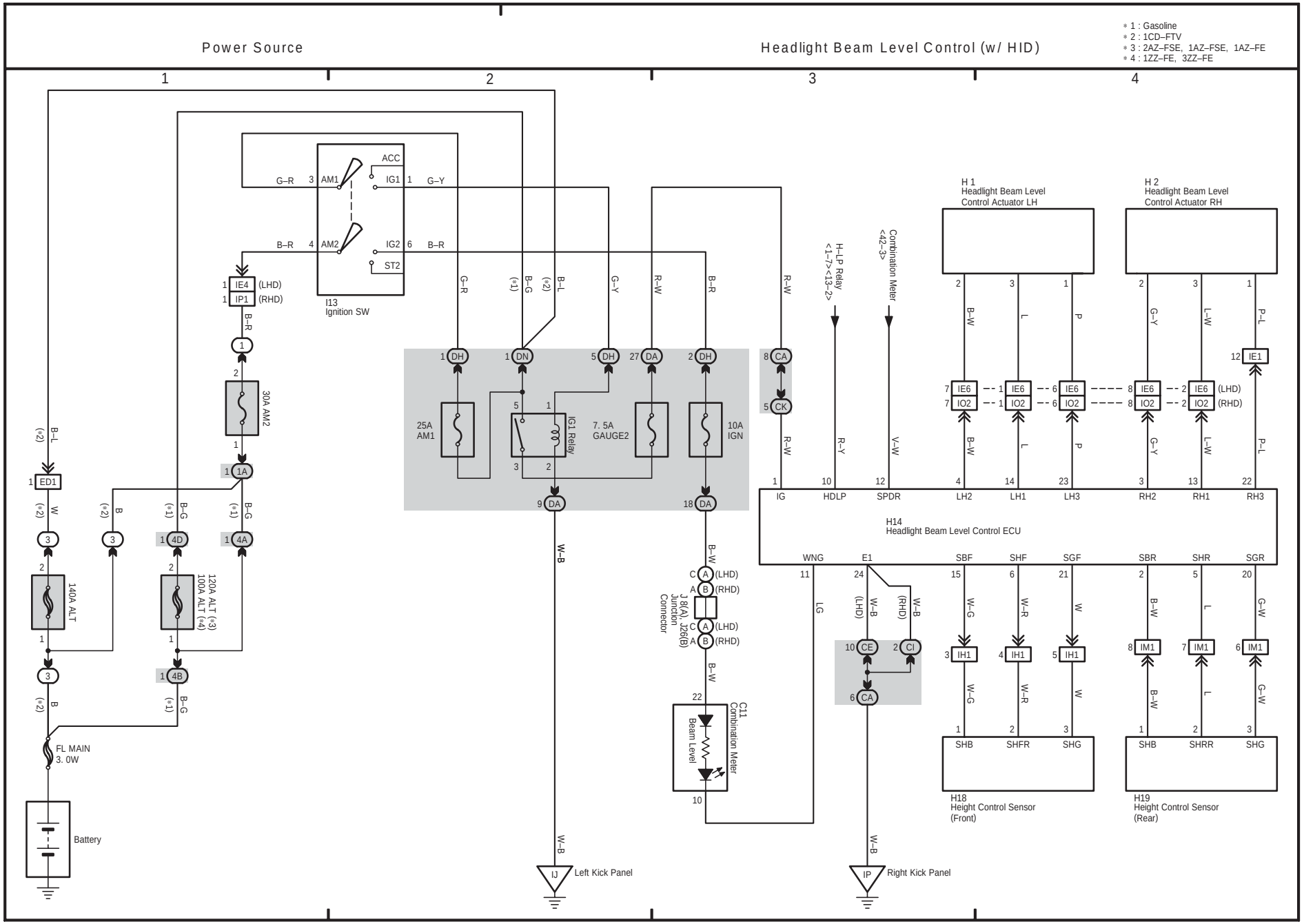


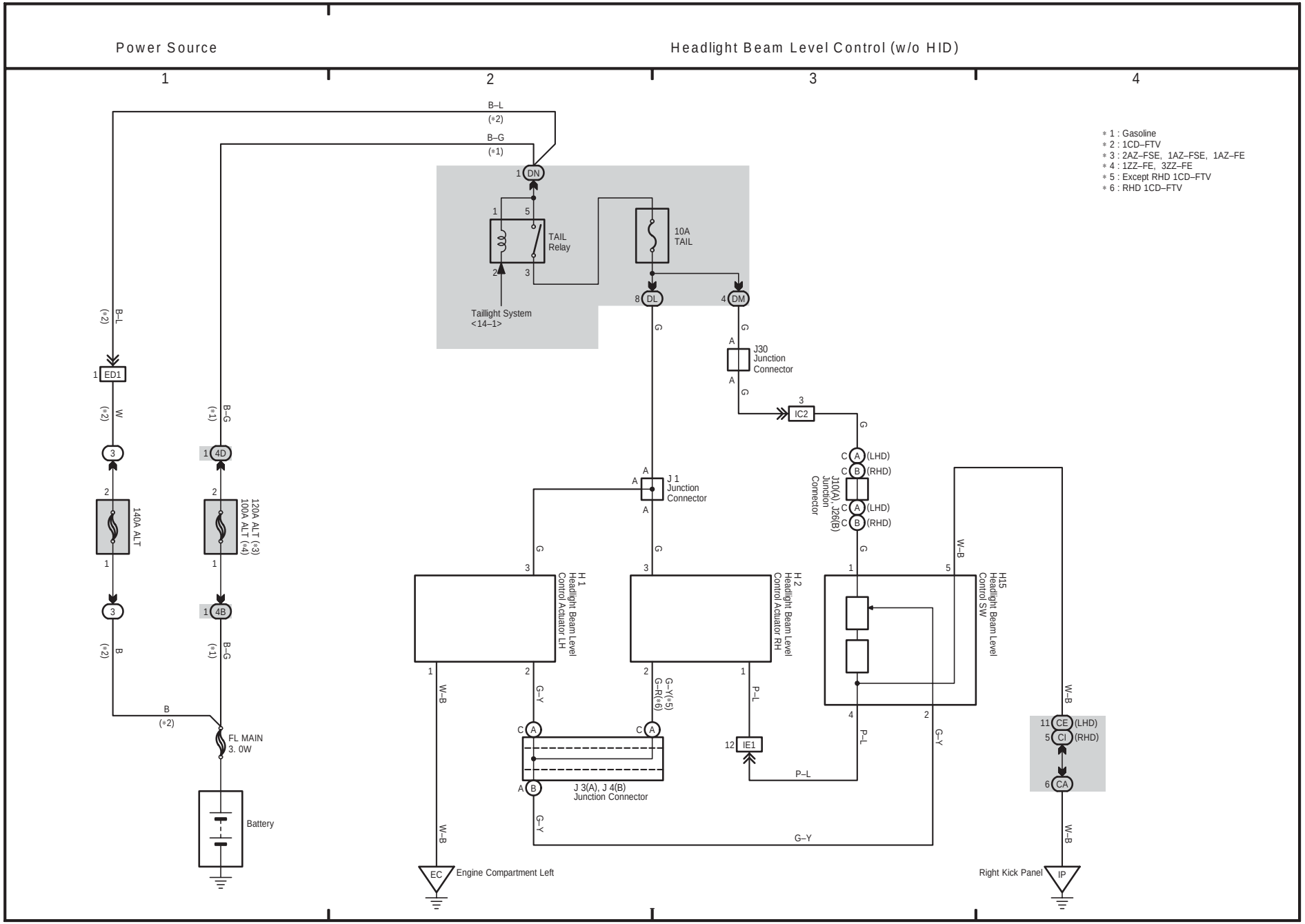
22 AVENSIS (Cont' d)



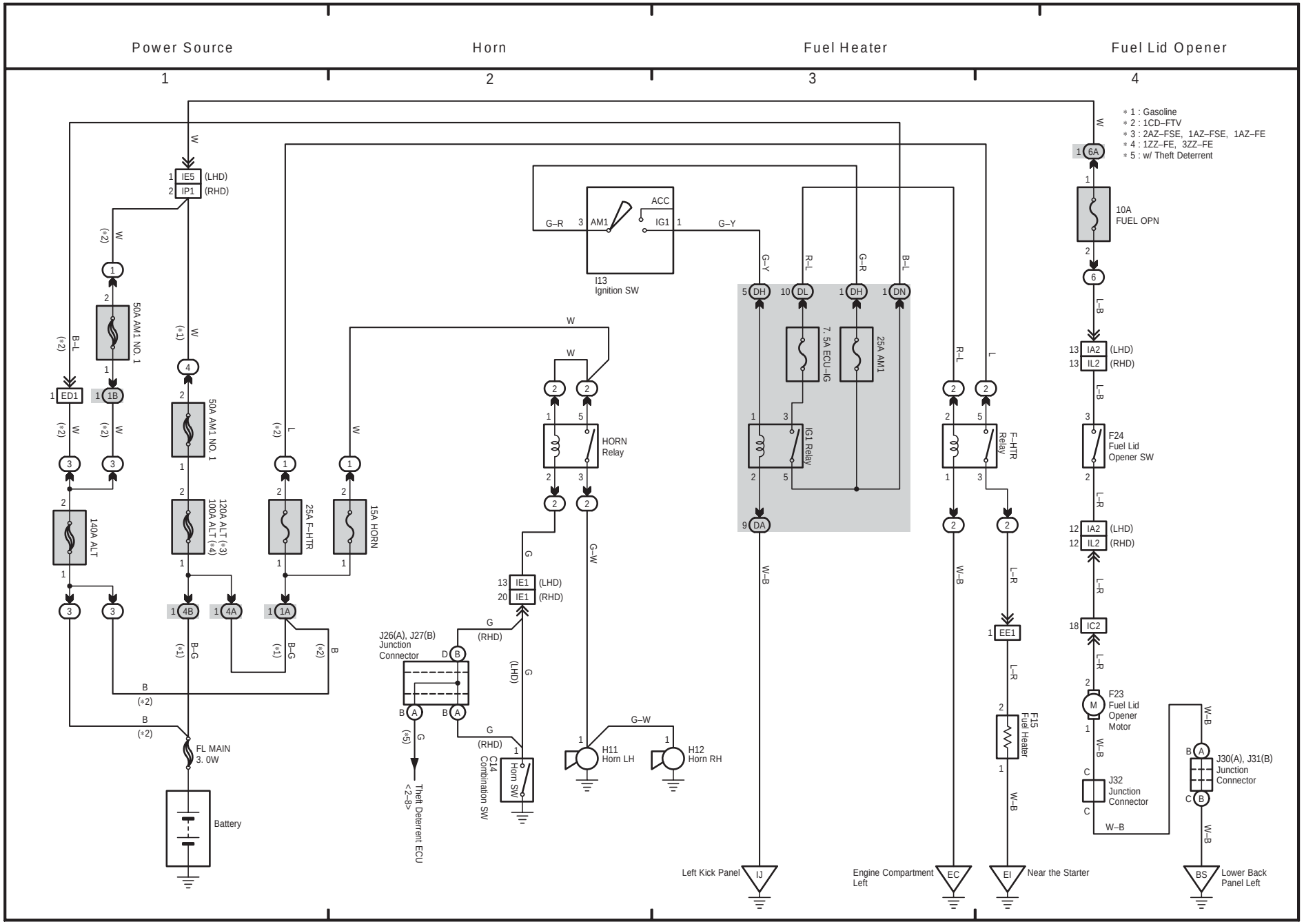

Power Source
EPS
1
2
3
4
ACC
AM1
AM2
IG1
IG2
ST2
I13
Ignition SW
10A IGN
7. 5A ECU–IG
25A AM1
IG1 Relay
50A EMPS
30A AM2
100A ALT
IE4 (LHD)
IP1 (RHD)
FL MAIN
3. 0W
Battery
Left Kick Panel
IJ
J8(A), J26(B) Junction Connector
J10(A), J11(B), J20(C), J21(D) Junction Connector
C10(A), C11(B) Combination Meter
P/S
J17 Junction Connector
J16 Junction Connector
J15 Junction Connector
IK
IL
Behind the Combination Meter
EMPS Relay
IE1
E14(A), E15(B) EPS ECU
IG
PIG
RLY
IDUP
TACH
SIL
TC
TS
WL
M1
M2
TRQV
TRQ1
TRQ2
TRQG
SPD
PGND
EPS Motor
Torque Sensor
Engine and ECT ECU (AT)<7–11> Engine ECU (M/T) <7–11>
DLC3 <7–14>
DLC3 <7–14>
DLC3 <7–15>
Combination Meter <42–4>
IM
Behind the Combination Meter

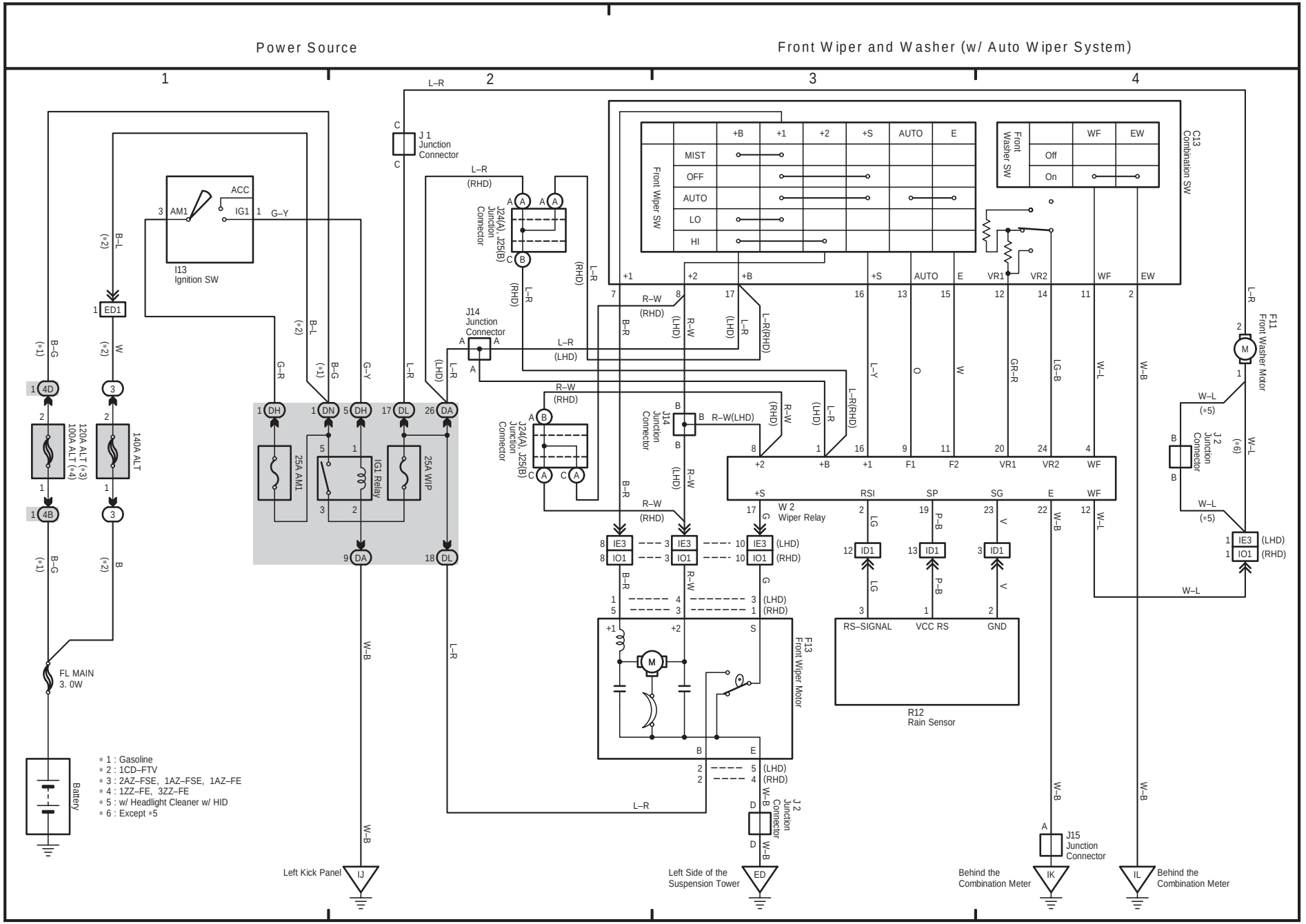
24 AVENSIS


Power Source
Headlight Beam Level Control (w/ HID)
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
1
2
3
4
ACC
IG1
IG2
ST2
AM1
AM2
I13
Ignition SW
IE4 (LHD)
IP1 (RHD)
30A AM2
140A ALT
120A ALT (*3)
100A ALT (*4)
FL MAIN
3. 0W
Battery
25A
AM1
IG1 Relay
7. 5A
GAUGE2
10A
IGN
W–B
IJ
Left Kick Panel
J 8(A), J26(B)
Junction
Connector
C11
Combination Meter
Beam Level
H–LP Relay
<1–7><13–2>
Combination Meter
<42–3>
H 1
Headlight Beam Level
Control Actuator LH
H 2
Headlight Beam Level
Control Actuator RH
H14
Headlight Beam Level Control ECU
IG
HDLP
SPDR
LH2
LH1
LH3
RH2
RH1
RH3
WNG
E1
SBF
SHF
SGF
SBR
SHR
SGR
IP
Right Kick Panel
H18
Height Control Sensor
(Front)
H19
Height Control Sensor
(Rear)
SHB
SHFR
SHG
SHRR

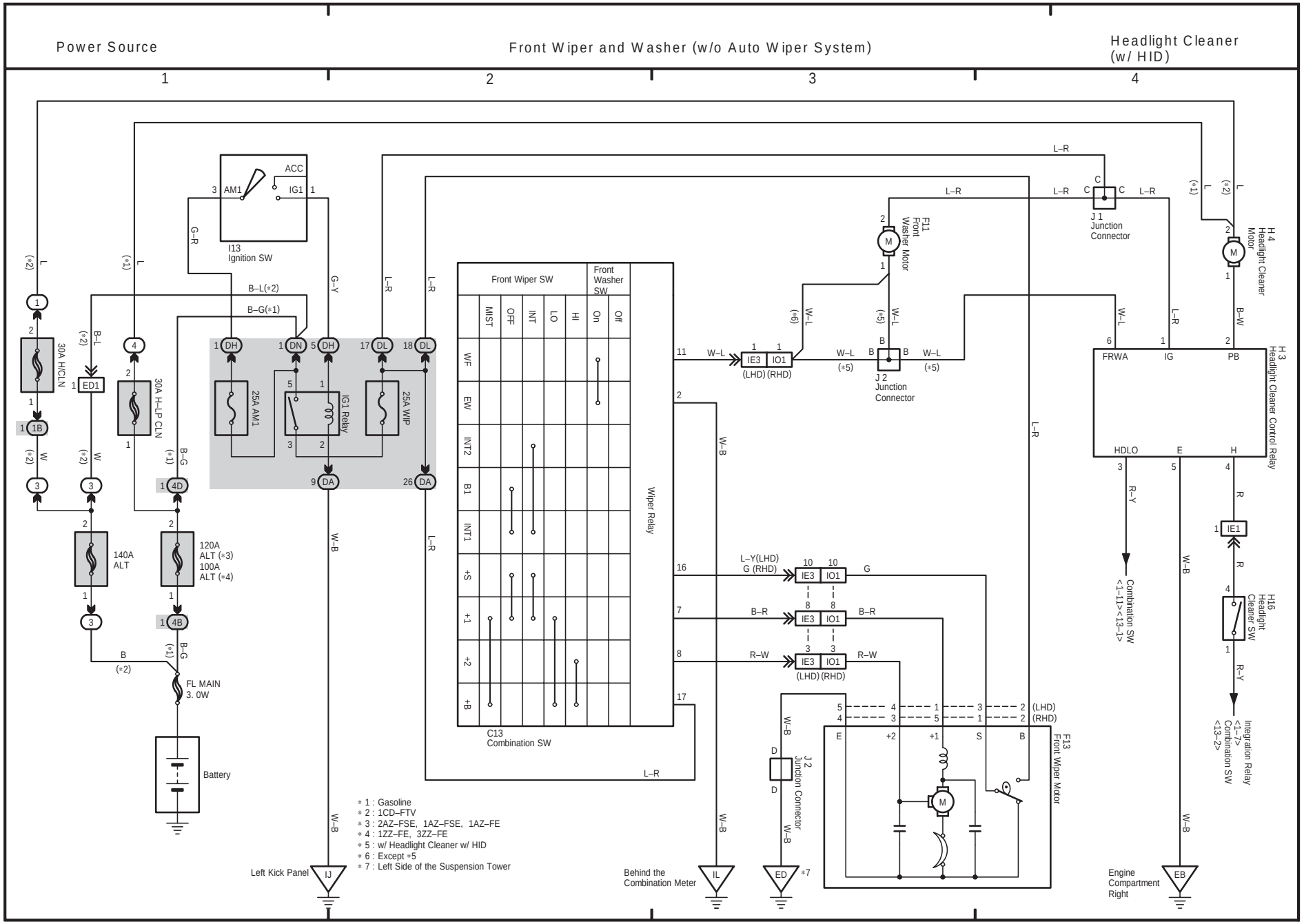

Power Source
Headlight Beam Level Control (w/o HID)
1
2
3
4
∗ 1 : Gasoline
∗ 2 : 1CD–FTV
∗ 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
∗ 4 : 1ZZ–FE, 3ZZ–FE
∗ 5 : Except RHD 1CD–FTV
∗ 6 : RHD 1CD–FTV
B–L (∗2)
B–G (∗1)
1 DN
TAIL Relay
10A TAIL
Taillight System <14–1>
8 DL
4 DM
J30 Junction Connector
3 IC2
1 ED1
W (∗2)
3
2
140A ALT
1
3
B (∗2)
1 4D
120A ALT (∗3) 100A ALT (∗4)
1 4B
B–G (∗1)
B (∗2)
FL MAIN 3. 0W
Battery
J 1 Junction Connector
H 1 Headlight Beam Level Control Actuator LH
H 2 Headlight Beam Level Control Actuator RH
J 3(A), J 4(B) Junction Connector
110(A), 126(B) Junction Connector
C A (LHD)
C B (RHD)
H15 Headlight Beam Level Control SW
12 IE1
11 CE (LHD)
5 CI (RHD)
6 CA
W–B
G
G–Y
G–Y(∗5)
G–R(∗6)
P–L
EC Engine Compartment Left
Right Kick Panel IP

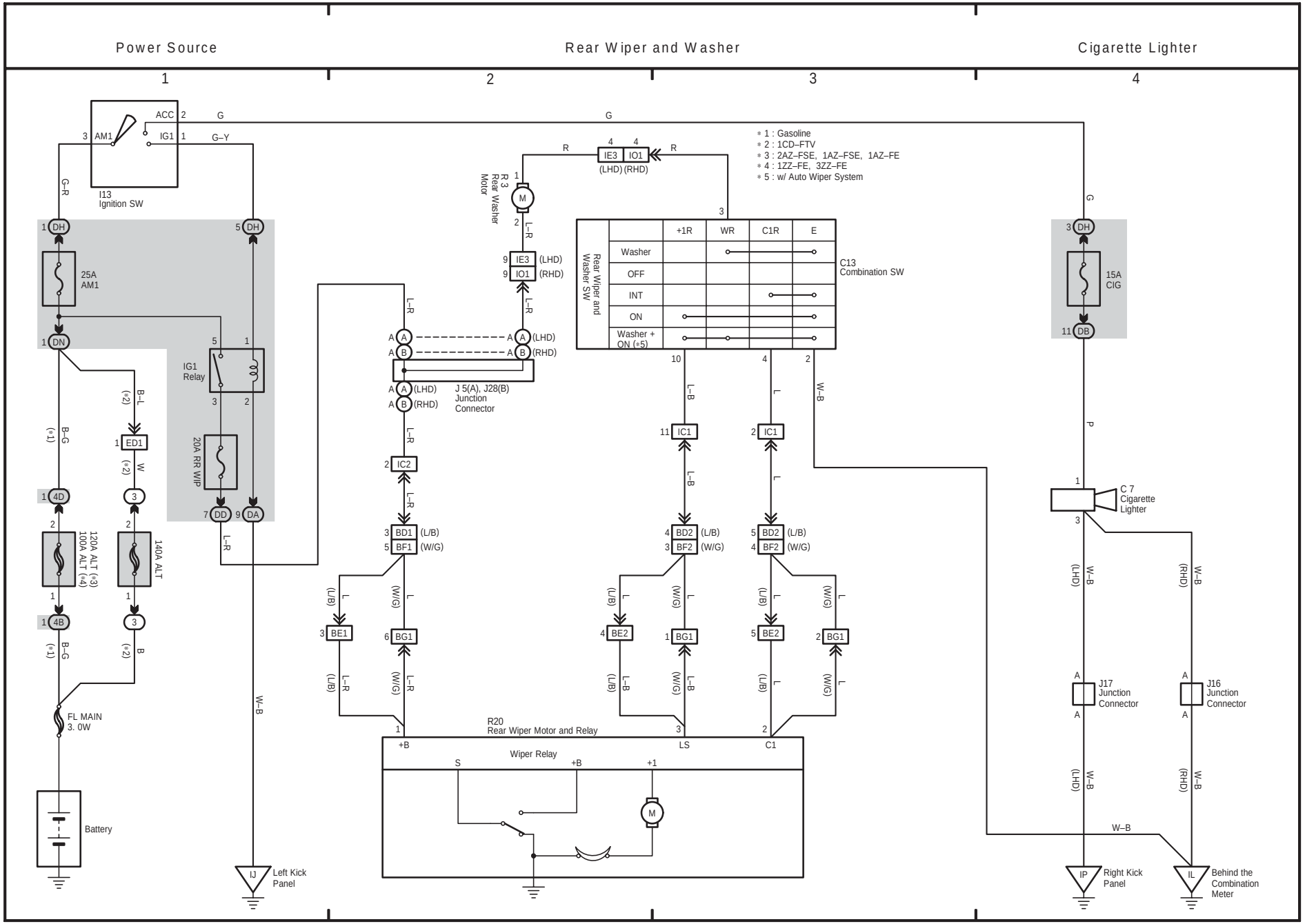
26 AVENSIS


Power Source
Horn
Fuel Heater
Fuel Lid Opener
1
2
3
4
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : w/ Theft Deterrent
I13 Ignition SW
ACC
AM1
IG1
HORN Relay
7.5A ECU–IG
25A AM1
IG1 Relay
F–HTR Relay
10A FUEL OPN
F24 Fuel Lid Opener SW
F23 Fuel Lid Opener Motor
J32 Junction Connector
J30(A), J31(B) Junction Connector
F15 Fuel Heater
50A AM1 NO. 1
140A ALT
120A ALT (*3) 100A ALT (*4)
25A F–HTR
15A HORN
FL MAIN 3. 0W
Battery
J26(A), J27(B) Junction Connector
C14 Combination SW
Horn SW
Theft Deterrent ECU <2–8>
H11 Horn LH
H12 Horn RH
Left Kick Panel
Engine Compartment Left
Near the Starter
Lower Back Panel Left


Power Source
Front Wiper and Washer (w/ Auto Wiper System)
1
2
3
4
J 1 Junction Connector
I13 Ignition SW
ACC
IG1
AM1
ED1
4D
4B
120A ALT (*3) 100A ALT (*4)
140A ALT
FL MAIN 3. 0W
Battery
25A AM1
IG1 Relay
25A WIP
DH
DN
DA
DL
J24(A), J25(B) Junction Connector
J14 Junction Connector
Front Wiper SW
MIST
OFF
AUTO
LO
HI
Front Washer SW
Off
On
C13 Combination SW
W 2 Wiper Relay
IE3
IO1
F13 Front Wiper Motor
RS–SIGNAL
VCC RS
GND
R12 Rain Sensor
F11 Front Washer Motor
J2 Junction Connector
J15 Junction Connector
Left Kick Panel
IJ
Left Side of the Suspension Tower
ED
Behind the Combination Meter
IK
IL
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : w/ Headlight Cleaner w/ HID
* 6 : Except *5

28 AVENSIS


Power Source
Front Wiper and Washer (w/o Auto Wiper System)
Headlight Cleaner (w/ HID)
1
2
3
4
ACC
IG1
AM1
I13 Ignition SW
30A H/CLN
30A H-LP CLN
ED1
25A AM1
IG1 Relay
25A WIP
140A ALT
120A ALT (*3)
100A ALT (*4)
FL MAIN 3. 0W
Battery
Front Wiper SW
Front Washer SW
MIST
OFF
INT
LO
HI
On
Off
WF
EW
INT2
B1
INT1
+S
+1
+2
+B
Wiper Relay
C13 Combination SW
F11 Front Washer Motor
J 1 Junction Connector
J 2 Junction Connector
H 4 Headlight Cleaner Motor
H 3 Headlight Cleaner Control Relay
FRWA
IG
PB
HDLO
E
H
H16 Headlight Cleaner SW
Integration Relay <1–7> Combination SW <13–2>
Combination SW <1–11><13–1>
F13 Front Wiper Motor
Left Kick Panel
IJ
Behind the Combination Meter
IL
Engine Compartment Right
EB
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : w/ Headlight Cleaner w/ HID
* 6 : Except *5
* 7 : Left Side of the Suspension Tower


Power Source
Rear Wiper and Washer
Cigarette Lighter
1
2
3
4
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : w/ Auto Wiper System
I13
Ignition SW
ACC
AM1
IG1
25A
AM1
IG1
Relay
20A RR WIP
120A ALT (*3)
100A ALT (*4)
140A ALT
FL MAIN
3. 0W
Battery
IJ
Left Kick
Panel
R3
Rear Washer
Motor
IE3
IO1
(LHD)
(RHD)
J 5(A), J28(B)
Junction
Connector
C13
Combination SW
Rear Wiper and
Washer SW
Washer
OFF
INT
ON
Washer +
ON (*5)
+1R
WR
C1R
E
R20
Rear Wiper Motor and Relay
Wiper Relay
+B
S
+1
LS
C1
15A
CIG
C 7
Cigarette
Lighter
J17
Junction
Connector
J16
Junction
Connector
IP
Right Kick
Panel
IL
Behind the
Combination
Meter

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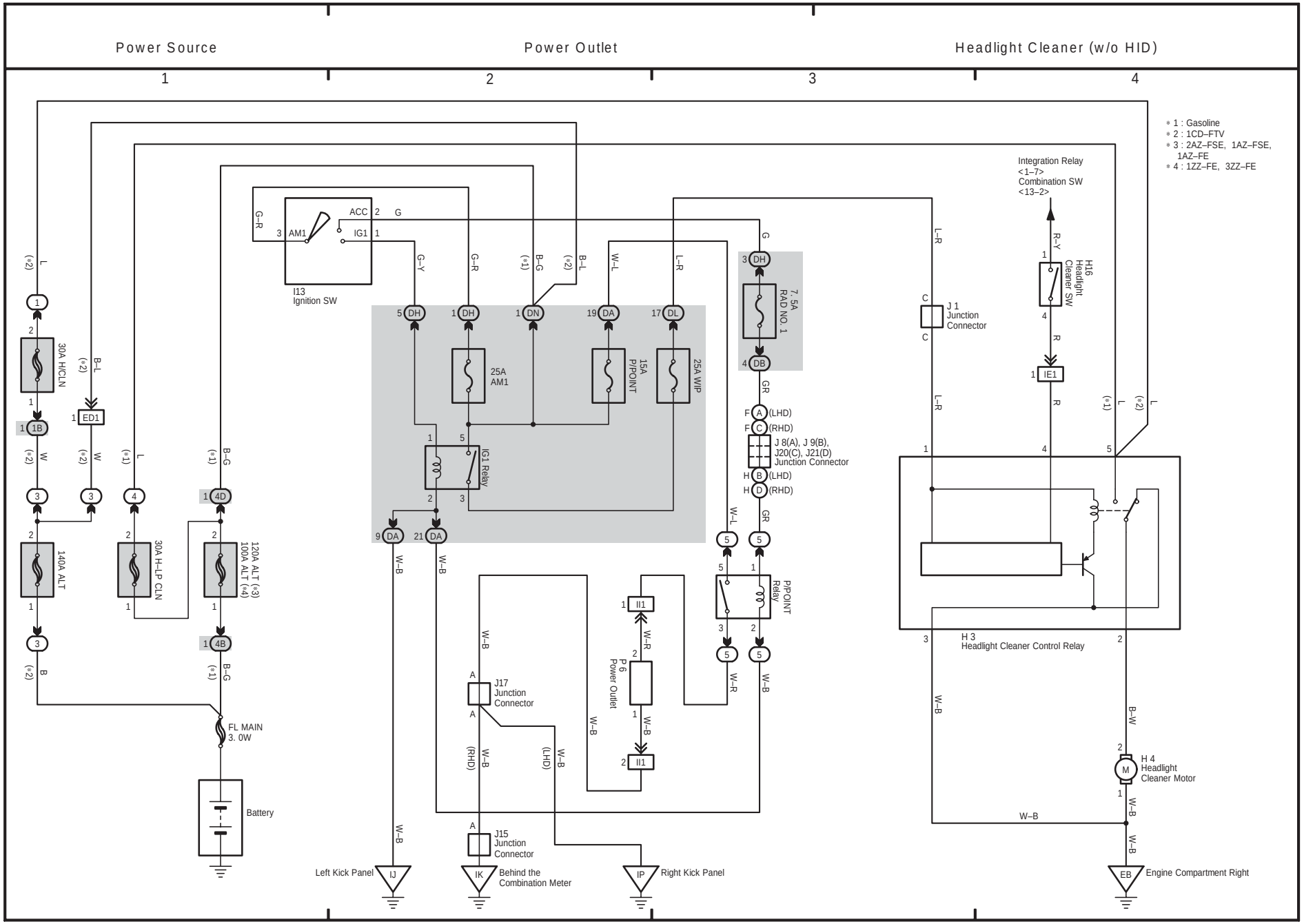
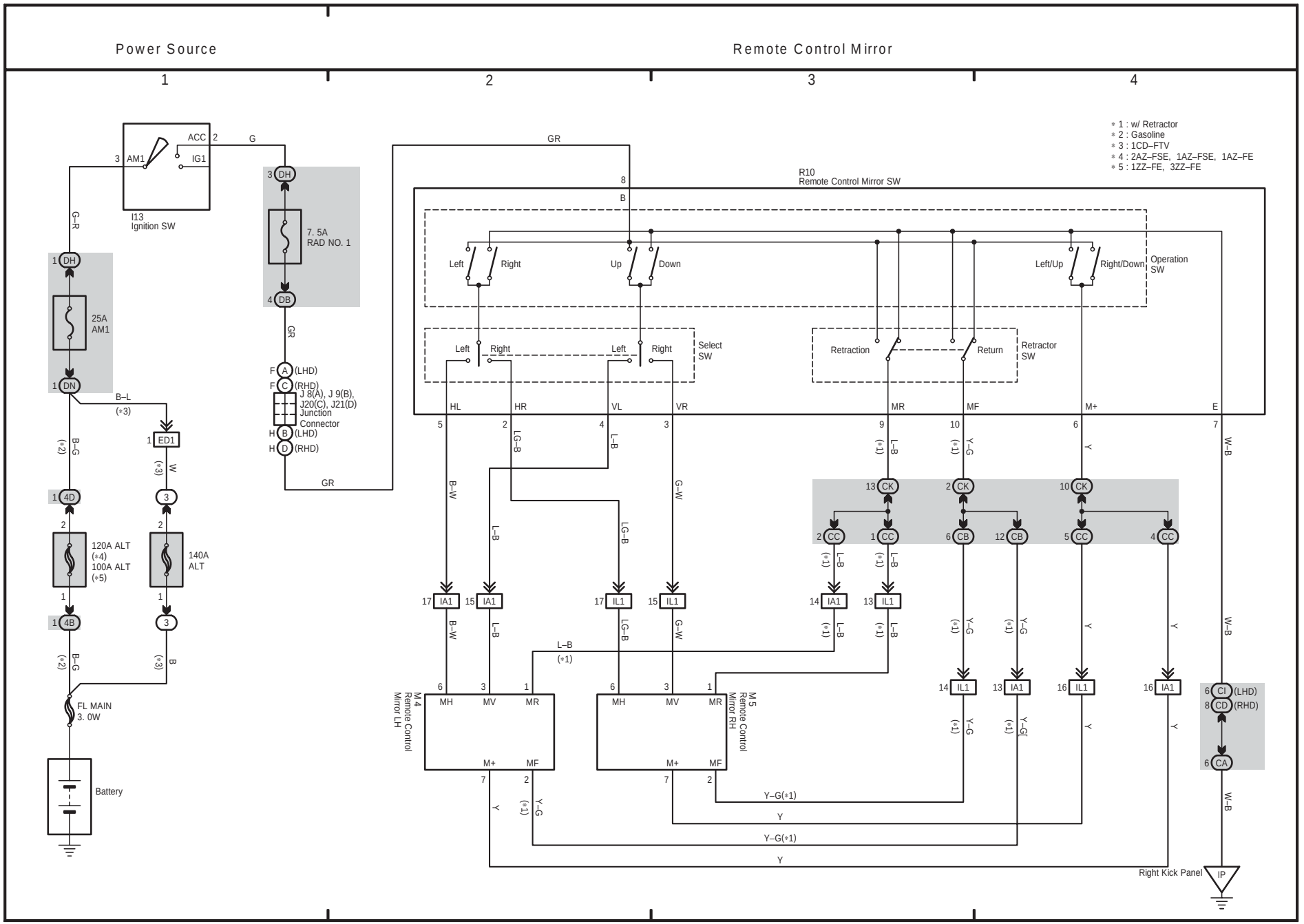
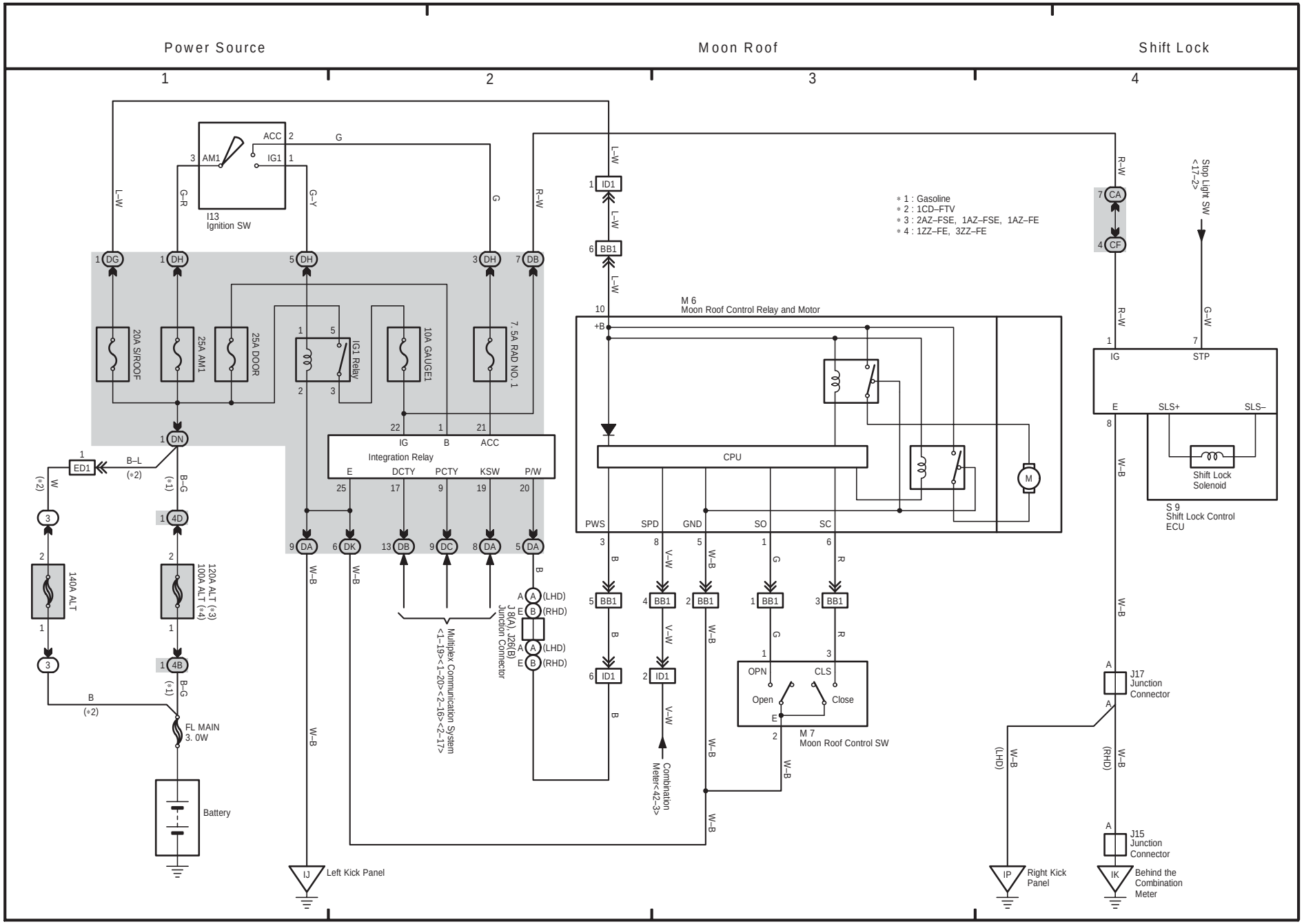

Power Source
Power Outlet
Headlight Cleaner (w/o HID)
1
2
3
4
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
I13 Ignition SW
ACC
IG1
AM1
30A H/CLN
140A ALT
30A H–LP CLN
120A ALT (*3)
100A ALT (*4)
FL MAIN 3. 0W
Battery
ED1
1B
4D
4B
25A AM1
15A P/POINT
25A WIP
IG1 Relay
7. 5A RAD NO. 1
J 8(A), J 9(B), J20(C), J21(D) Junction Connector
(LHD)
(RHD)
P/POINT Relay
J17 Junction Connector
J15 Junction Connector
P 6 Power Outlet
Integration Relay <1–7> Combination SW <13–2>
J 1 Junction Connector
H16 Headlight Cleaner SW
IE1
H 3 Headlight Cleaner Control Relay
H 4 Headlight Cleaner Motor
Left Kick Panel
IJ
Behind the Combination Meter
IK
Right Kick Panel
IP
Engine Compartment Right
EB


Power Source
Remote Control Mirror
1
2
3
4
* 1 : w/ Retractor
* 2 : Gasoline
* 3 : 1CD–FTV
* 4 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 5 : 1ZZ–FE, 3ZZ–FE
ACC
IG1
AM1
I13
Ignition SW
7. 5A
RAD NO. 1
25A
AM1
120A ALT
(*4)
100A ALT
(*5)
140A
ALT
FL MAIN
3. 0W
Battery
J 8(A), J 9(B),
J20(C), J21(D)
Junction
Connector
(LHD)
(RHD)
R10
Remote Control Mirror SW
Left
Right
Up
Down
Left/Up
Right/Down
Operation
SW
Select
SW
Retraction
Return
Retractor
SW
HL
HR
VL
VR
MR
MF
M+
E
M 4
Remote Control
Mirror LH
M 5
Remote Control
Mirror RH
MH
MV
MR
Y–G(*1)
Right Kick Panel
IP


Power Source
Moon Roof
Shift Lock
1
2
3
4
I13
Ignition SW
ACC
IG1
AM1
20A S/ROOF
25A AM1
25A DOOR
IG1 Relay
10A GAUGE1
7.5A RAD NO.1
Integration Relay
IG
B
ACC
E
DCTY
PCTY
KSW
P/W
ED1
140A ALT
120A ALT (*3)
100A ALT (*4)
FL MAIN
3.0W
Battery
IJ
Left Kick Panel
J8(A), J26(B)
Junction Connector
Multiplex Communication System
<1–19><1–20><2–16><2–17>
Combination Meter<42–3>
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
M 6
Moon Roof Control Relay and Motor
+B
CPU
PWS
SPD
GND
SO
SC
M
M 7
Moon Roof Control SW
OPN
CLS
Open
Close
Stop Light SW
<17–2>
IG
STP
E
SLS+
SLS–
Shift Lock
Solenoid
S 9
Shift Lock Control
ECU
J17
Junction
Connector
J15
Junction
Connector
IP
Right Kick
Panel
IK
Behind the
Combination
Meter

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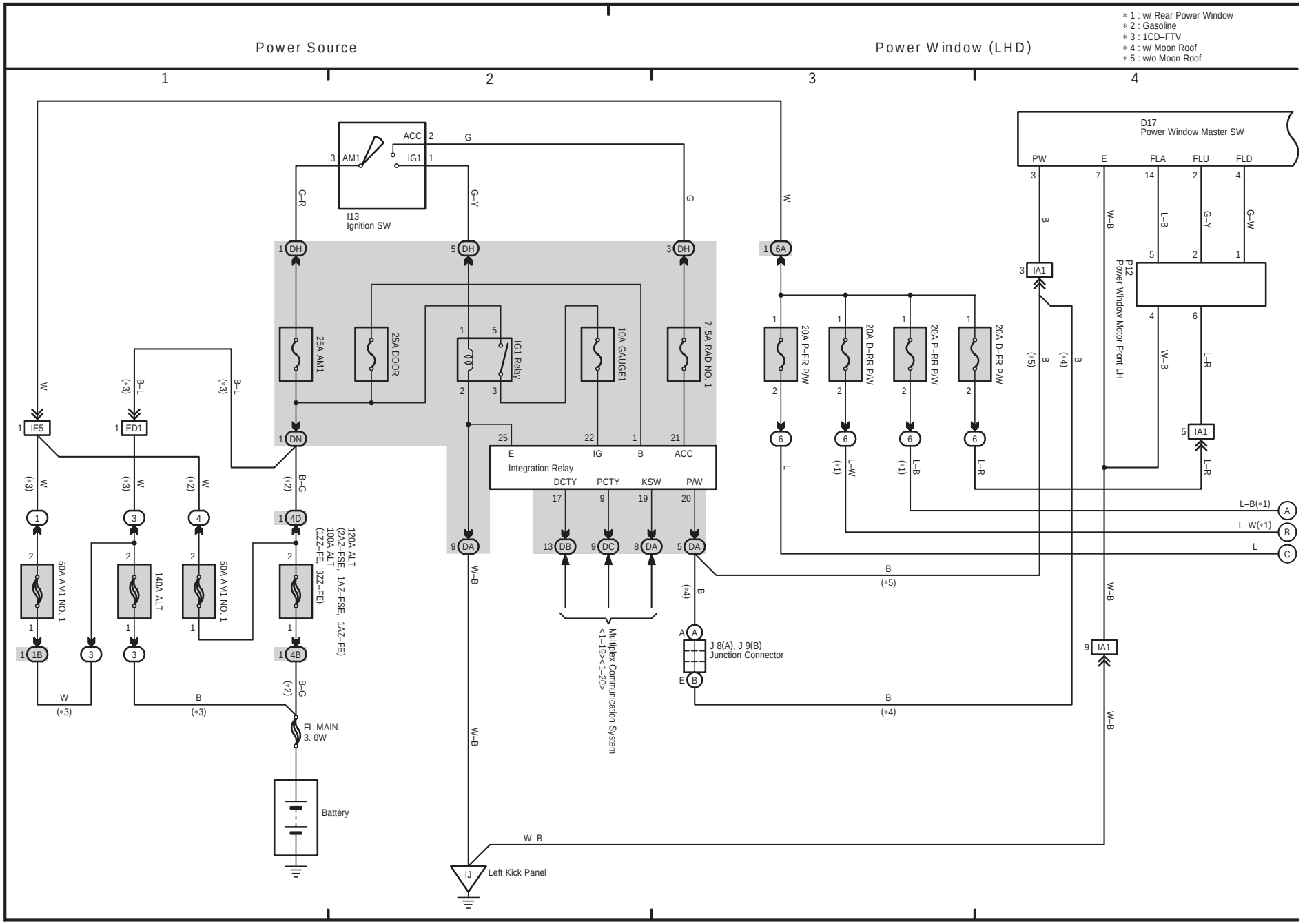
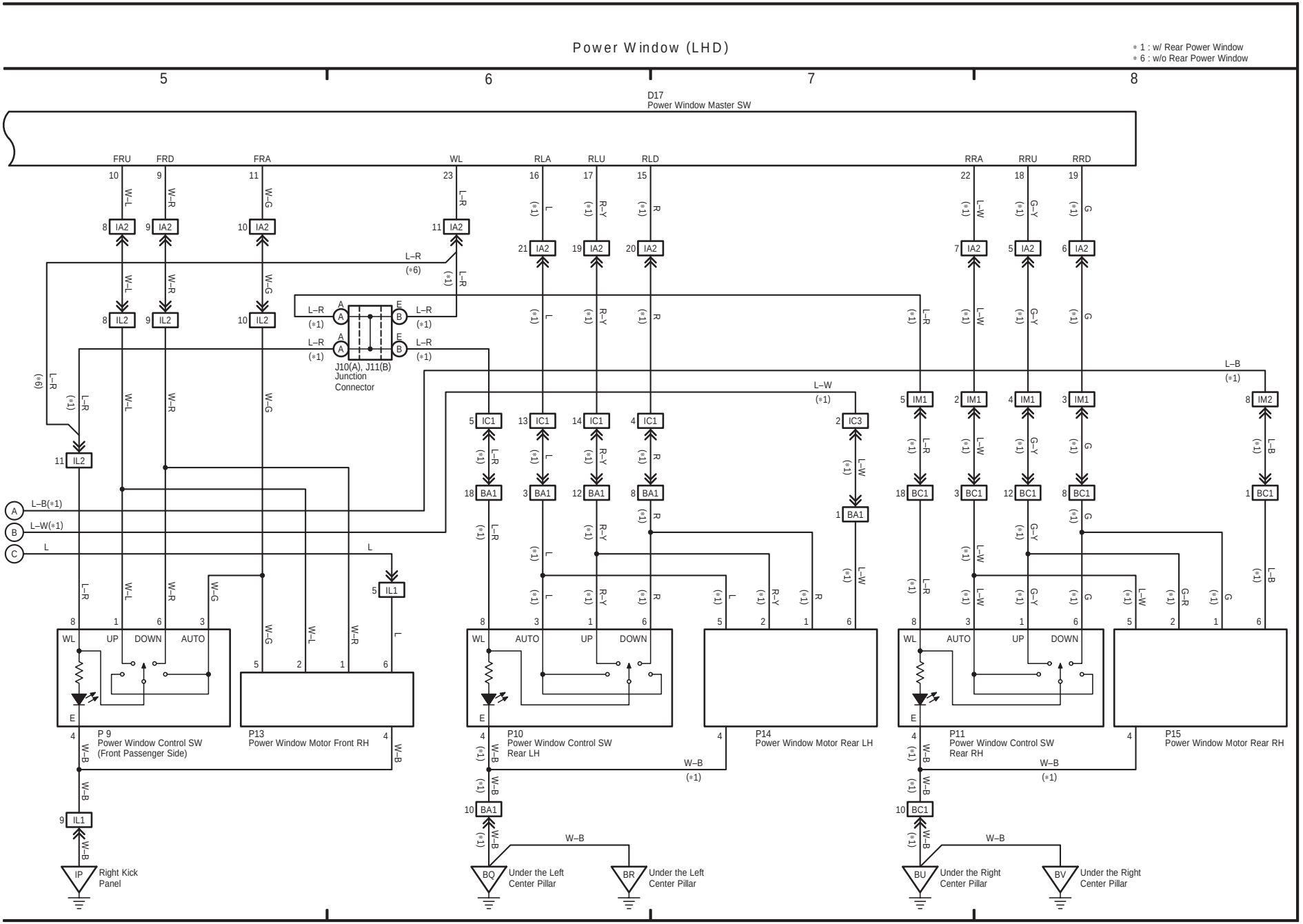

(Cont. next page)
* 1 : w/ Rear Power Window
* 2 : Gasoline
* 3 : 1CD–FTV
* 4 : w/ Moon Roof
* 5 : w/o Moon Roof
Power Source
Power Window (LHD)
1
2
3
4
I13
Ignition SW
ACC
AM1
IG1
25A AM1
25A DOOR
IG1 Relay
10A GAUGE1
7. 5A RAD NO. 1
Integration Relay
E
IG
B
ACC
DCTY
PCTY
KSW
P/W
D17
Power Window Master SW
PW
E
FLA
FLU
FLD
P12
Power Window Motor Front LH
20A P–FR P/W
20A D–RR P/W
20A P–RR P/W
20A D–FR P/W
IE5
ED1
IA1
50A AM1 NO. 1
140A ALT
120A ALT (2AZ–FSE, 1AZ–FSE, 1AZ–FE)
100A ALT (1ZZ–FE, 3ZZ–FE)
FL MAIN
3. 0W
Battery
Multiplex Communication System
<1–19><1–20>
J 8(A), J 9(B)
Junction Connector
Left Kick Panel
L–B(*1)
L–W(*1)
L


Power Window (LHD)
* 1 : w/ Rear Power Window
* 6 : w/o Rear Power Window
5
6
7
8
D17
Power Window Master SW
FRU
FRD
FRA
WL
RLA
RLU
RLD
RRA
RRU
RRD
J10(A), J11(B)
Junction
Connector
P 9
Power Window Control SW
(Front Passenger Side)
P13
Power Window Motor Front RH
P10
Power Window Control SW
Rear LH
P14
Power Window Motor Rear LH
P11
Power Window Control SW
Rear RH
P15
Power Window Motor Rear RH
IP
Right Kick
Panel
BQ
Under the Left
Center Pillar
BR
Under the Left
Center Pillar
BU
Under the Right
Center Pillar
BV
Under the Right
Center Pillar

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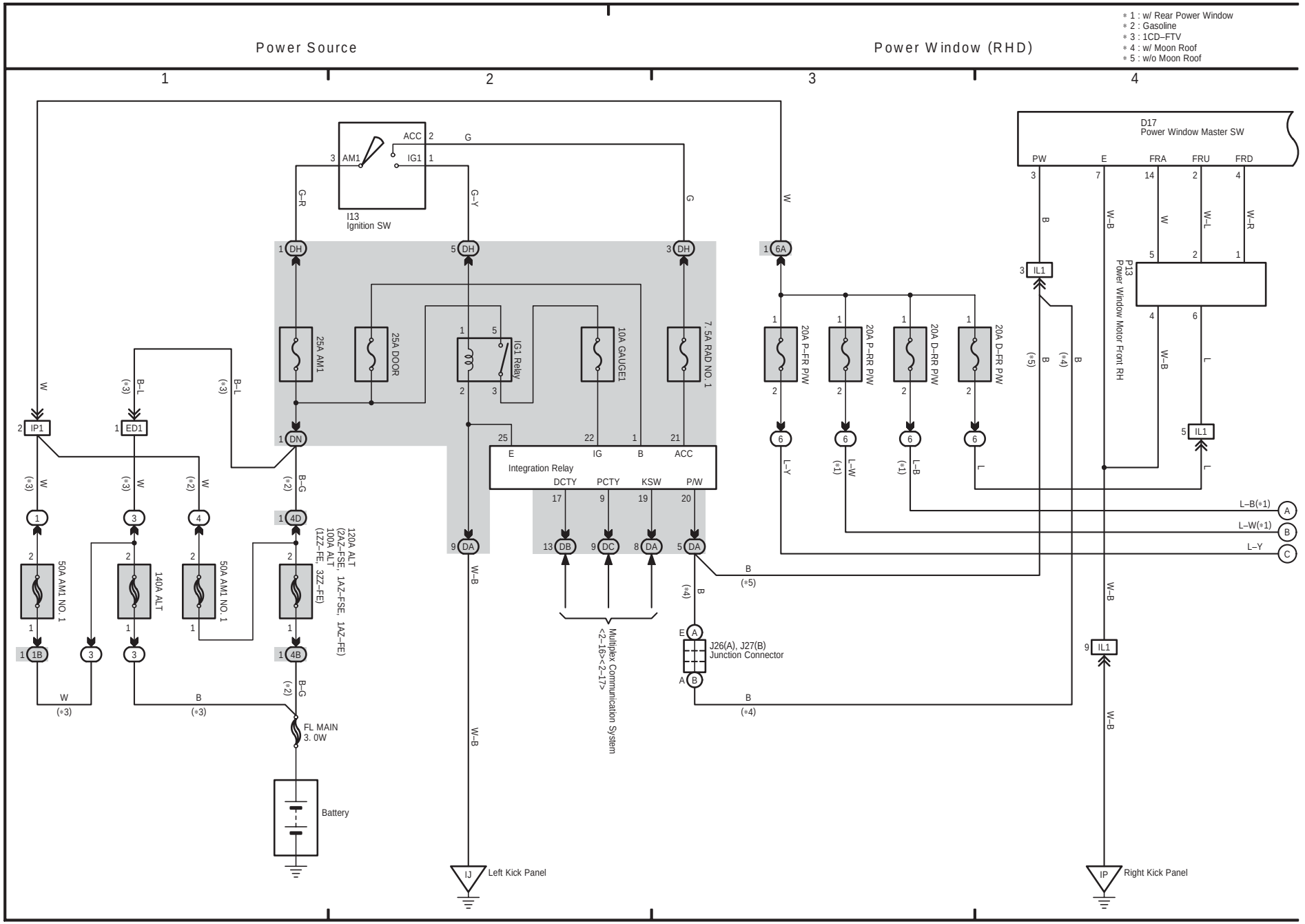
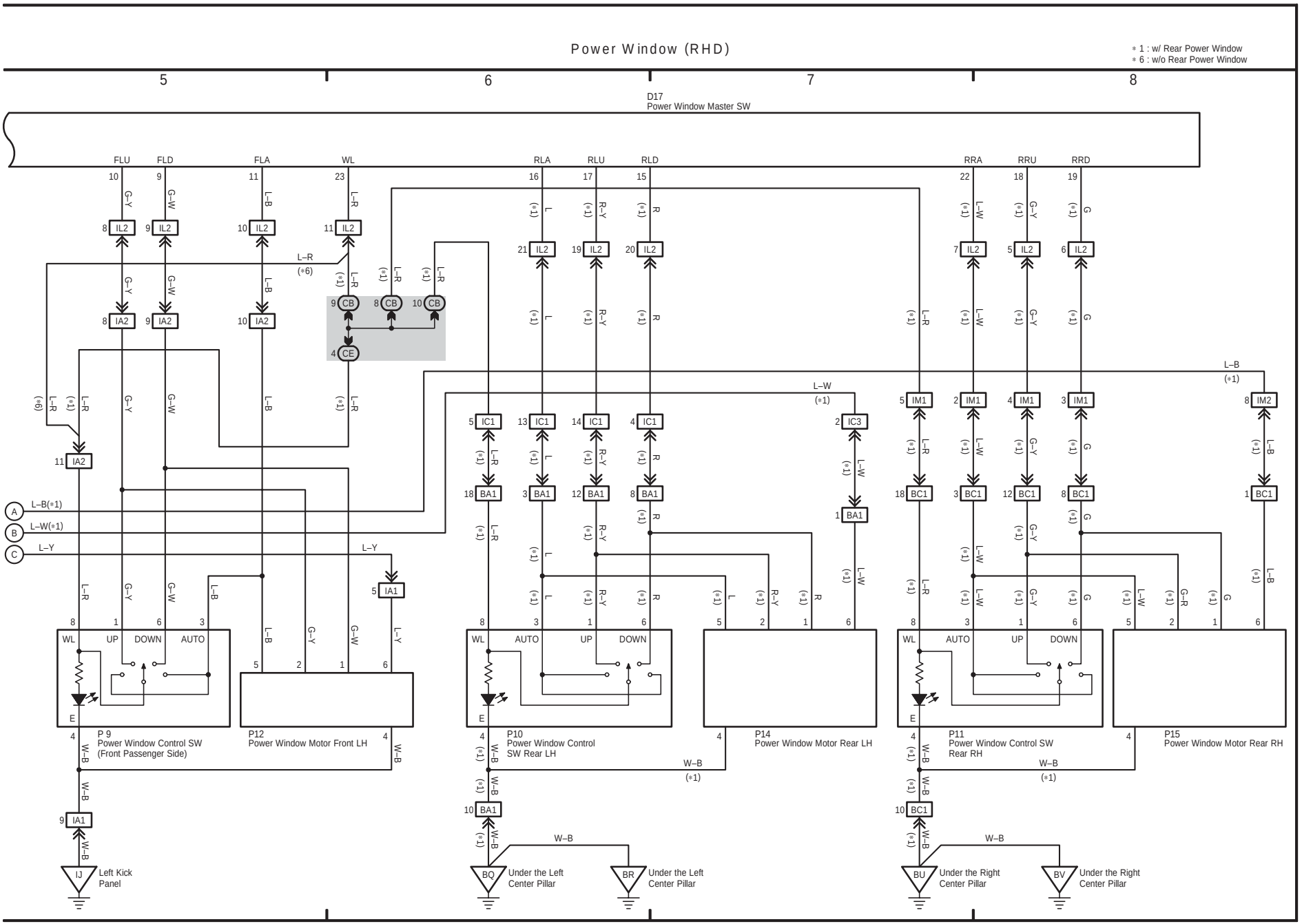
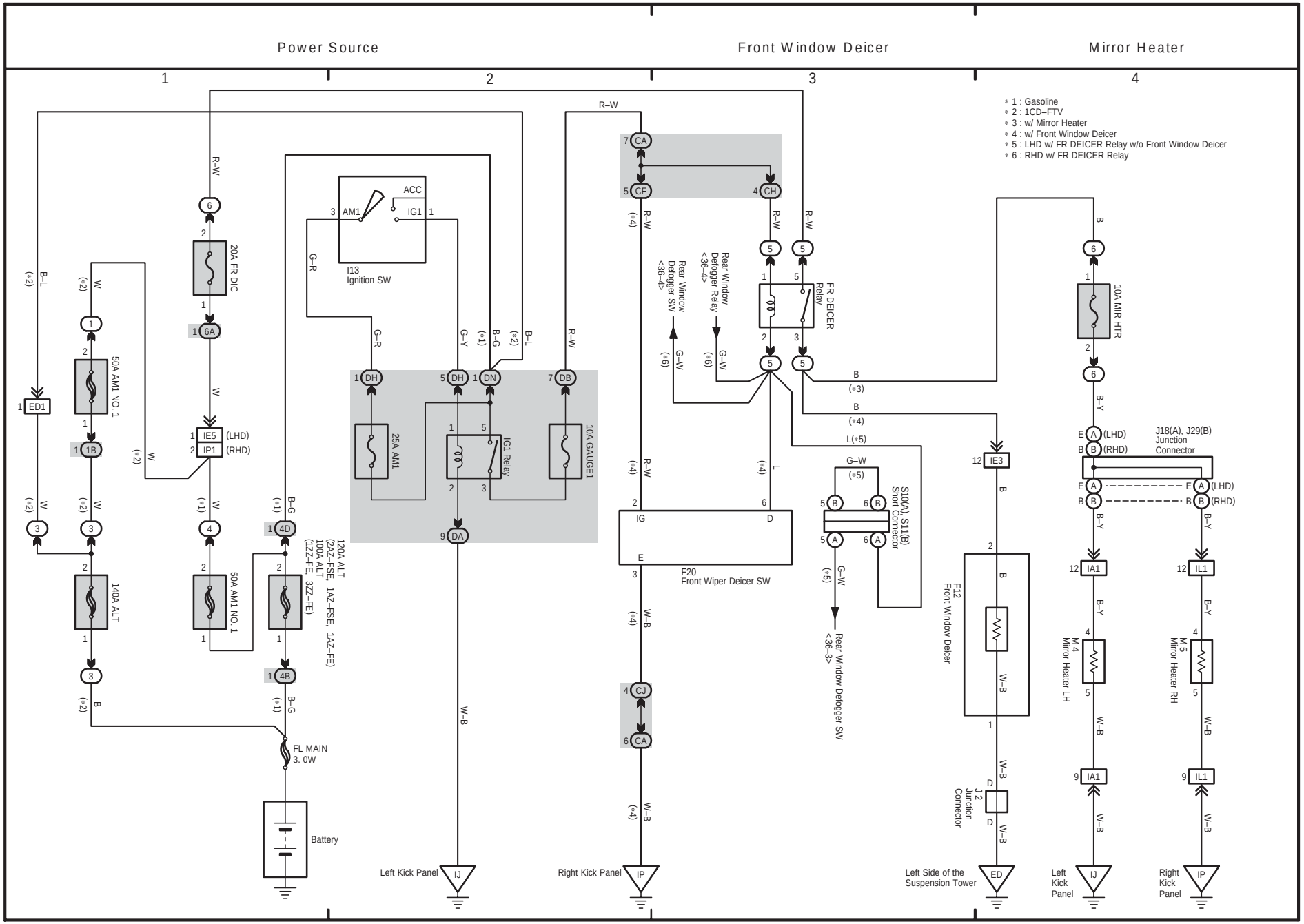
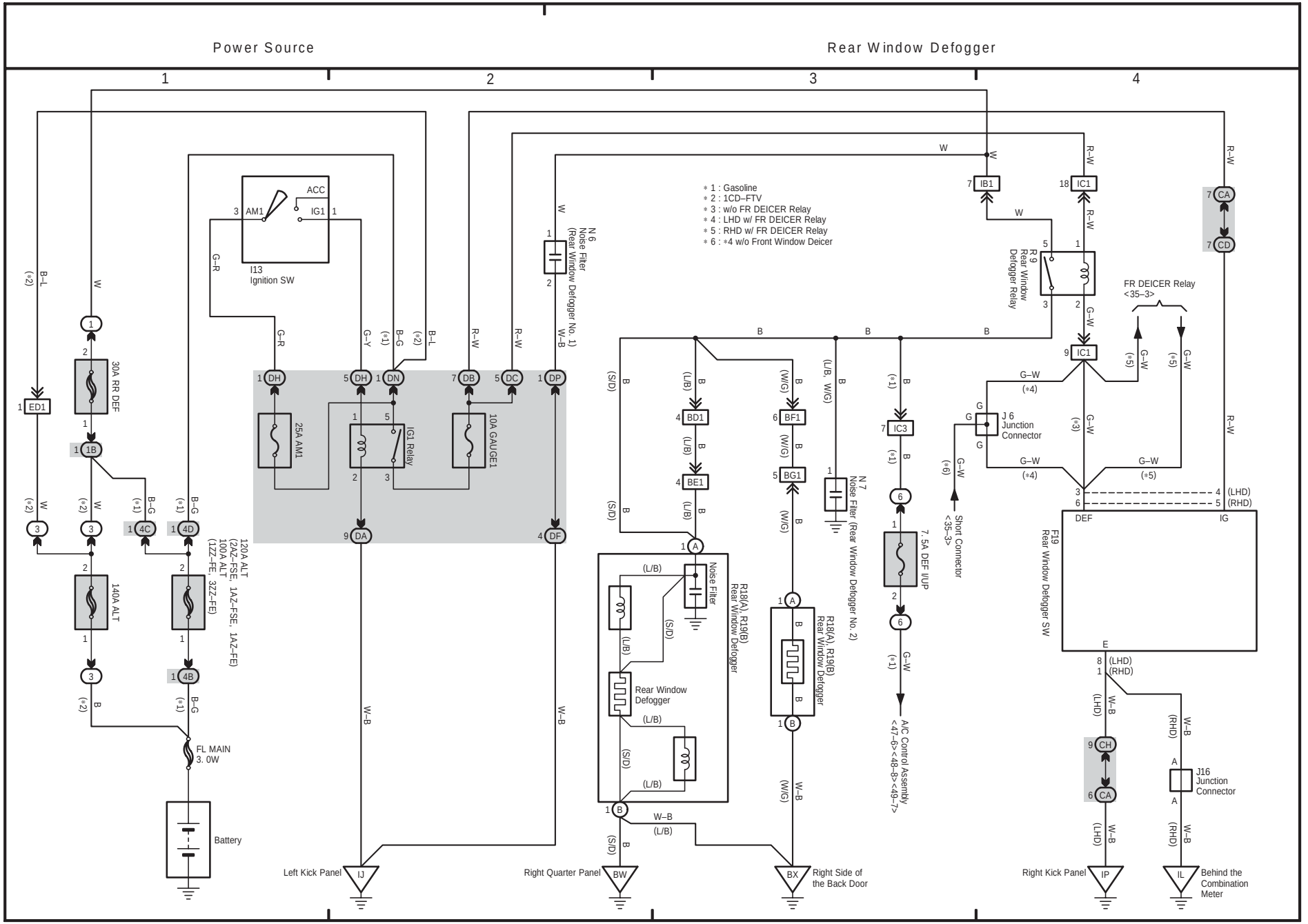
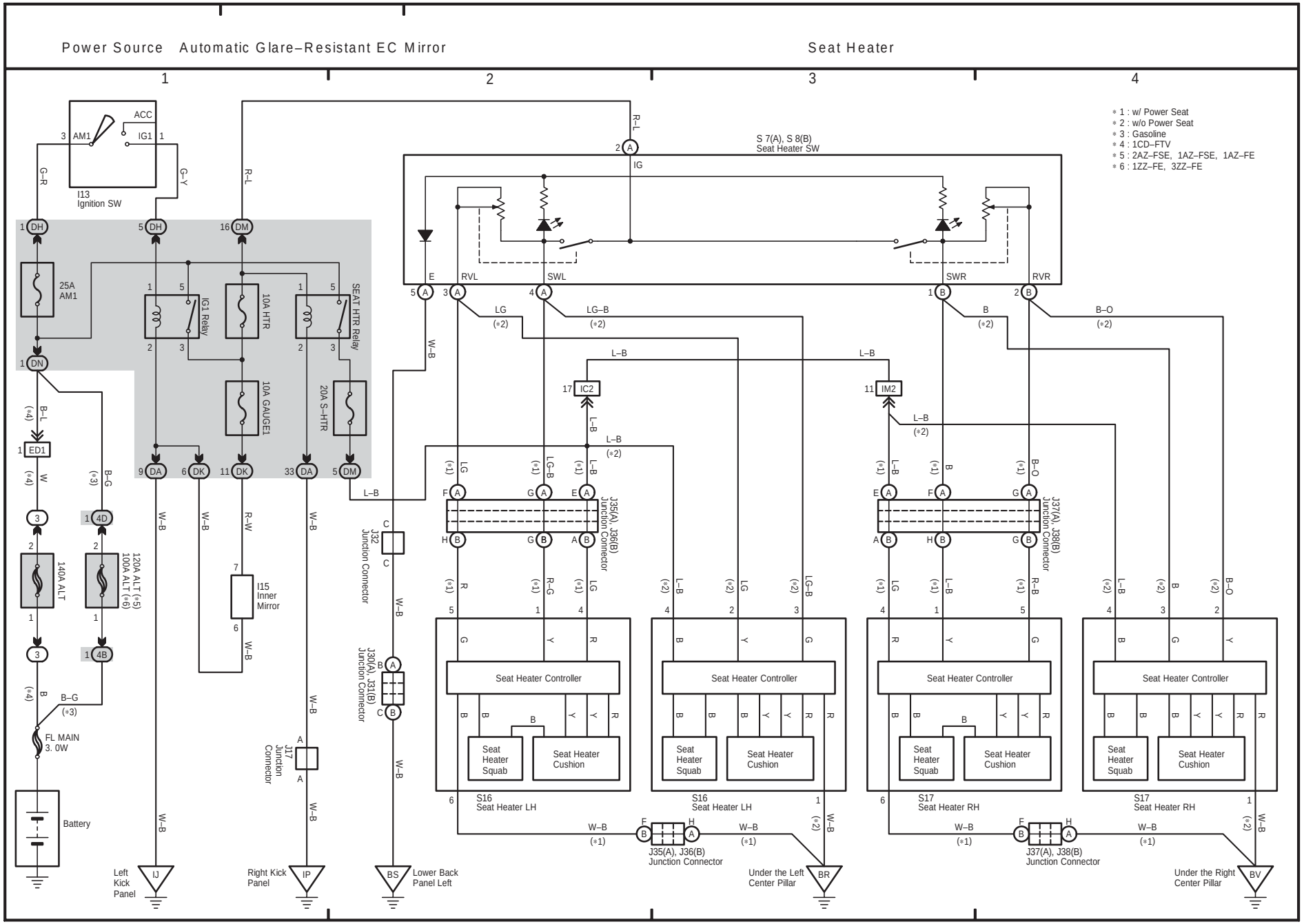
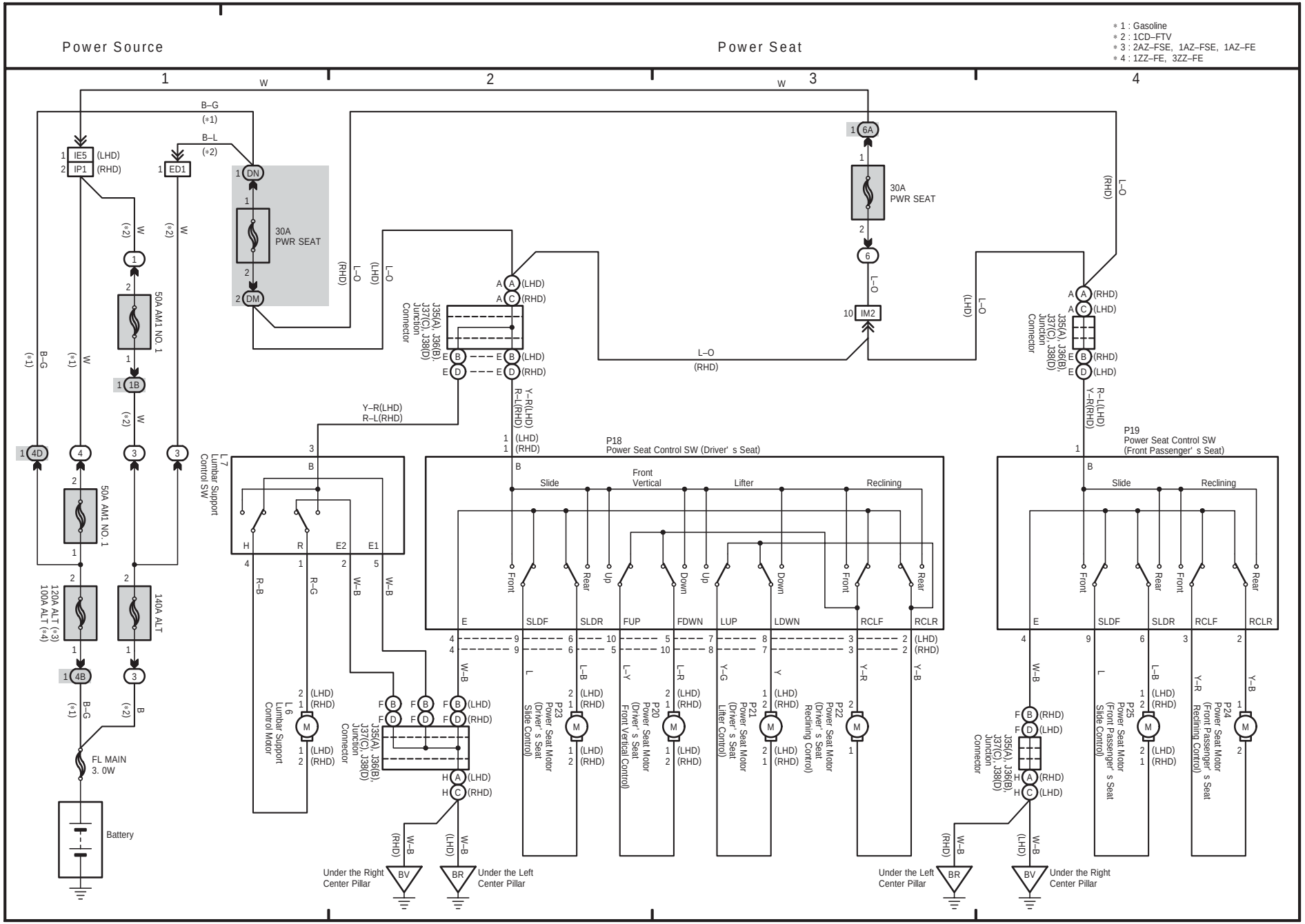

(Cont. next page)
* 1 : w/ Rear Power Window
* 2 : Gasoline
* 3 : 1CD–FTV
* 4 : w/ Moon Roof
* 5 : w/o Moon Roof
Power Source
Power Window (RHD)
1
2
3
4
ACC
IG1
AM1
I13
Ignition SW
G–R
G–Y
G
W
D17
Power Window Master SW
PW
E
FRA
FRU
FRD
P13
Power Window Motor Front RH
W–B
W
W–L
W–R
B
L
25A AM1
25A DOOR
IG1 Relay
10A GAUGE1
7.5A RAD NO.1
20A P–FR P/W
20A P–RR P/W
20A D–RR P/W
20A D–FR P/W
IP1
ED1
DH
DN
DA
6A
IL1
B–L
B–G
L–Y
L–W
L–B
L–B(*1)
L–W(*1)
L–Y
Integration Relay
E
IG
B
ACC
DCTY
PCTY
KSW
P/W
DB
DC
DA
Multiplex Communication System
<2–16><2–17>
J26(A), J27(B)
Junction Connector
50A AM1 NO.1
140A ALT
50A AM1 NO.1
120A ALT
(2AZ–FSE, 1AZ–FSE, 1AZ–FE)
100A ALT
(1ZZ–FE, 3ZZ–FE)
4D
4B
1B
FL MAIN
3.0W
Battery
IJ
Left Kick Panel
IP
Right Kick Panel
(*1)
(*2)
(*3)
(*4)
(*5)


Power Window (RHD)
* 1 : w/ Rear Power Window
* 6 : w/o Rear Power Window
5
6
7
8
D17
Power Window Master SW
FLU
FLD
FLA
WL
RLA
RLU
RLD
RRA
RRU
RRD
L–B
(*1)
L–W
(*1)
L–Y
L–B(*1)
L–W(*1)
L–Y
P 9
Power Window Control SW
(Front Passenger Side)
P12
Power Window Motor Front LH
P10
Power Window Control
SW Rear LH
P14
Power Window Motor Rear LH
P11
Power Window Control SW
Rear RH
P15
Power Window Motor Rear RH
W–B
(*1)
IJ
Left Kick
Panel
BQ
Under the Left
Center Pillar
BR
Under the Left
Center Pillar
BU
Under the Right
Center Pillar
BV
Under the Right
Center Pillar


Power Source
Front Window Deicer
Mirror Heater
1
2
3
4
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : w/ Mirror Heater
* 4 : w/ Front Window Deicer
* 5 : LHD w/ FR DEICER Relay w/o Front Window Deicer
* 6 : RHD w/ FR DEICER Relay
20A FR DIC
50A AM1 NO. 1
140A ALT
50A AM1 NO. 1
120A ALT (2AZ–FSE, 1AZ–FSE, 1AZ–FE)
100A ALT (1ZZ–FE, 3ZZ–FE)
FL MAIN
3. 0W
Battery
I13
Ignition SW
ACC
AM1
IG1
25A AM1
IG1 Relay
10A GAUGE1
Left Kick Panel
IJ
Right Kick Panel
IP
F20
Front Wiper Deicer SW
Rear Window Defogger SW <36–4>
Rear Window Defogger Relay <36–4>
FR DEICER Relay
S10(A), S11(B)
Short Connector
Rear Window Defogger SW <36–3>
F12
Front Window Deicer
J2
Junction Connector
Left Side of the Suspension Tower
ED
10A MIR HTR
J18(A), J29(B)
Junction Connector
M4
Mirror Heater LH
M5
Mirror Heater RH
Left Kick Panel
Right Kick Panel


Power Source
Rear Window Defogger
1
2
3
4
∗ 1 : Gasoline
∗ 2 : 1CD–FTV
∗ 3 : w/o FR DEICER Relay
∗ 4 : LHD w/ FR DEICER Relay
∗ 5 : RHD w/ FR DEICER Relay
∗ 6 : ∗4 w/o Front Window Deicer
ACC
IG1
AM1
I13
Ignition SW
N 6
Noise Filter
(Rear Window Defogger No. 1)
R 9
Rear Window
Defogger Relay
FR DEICER Relay
<35–3>
30A RR DEF
25A AM1
IG1 Relay
10A GAUGE1
120A ALT
(2AZ–FSE, 1AZ–FSE, 1AZ–FE)
100A ALT
(1ZZ–FE, 3ZZ–FE)
140A ALT
FL MAIN
3. 0W
Battery
N 7
Noise Filter (Rear Window Defogger No. 2)
R18(A), R19(B)
Rear Window Defogger
Noise Filter
Rear Window
Defogger
7. 5A DEF I/UP
Short Connector
<35–3>
A/C Control Assembly
<47–5><48–8><49–7>
J 6
Junction
Connector
F19
Rear Window Defogger SW
DEF
IG
E
J16
Junction
Connector
Left Kick Panel
Right Quarter Panel
Right Side of
the Back Door
Right Kick Panel
Behind the
Combination
Meter


Power Source
Automatic Glare–Resistant EC Mirror
Seat Heater
1
2
3
4
* 1 : w/ Power Seat
* 2 : w/o Power Seat
* 3 : Gasoline
* 4 : 1CD–FTV
* 5 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 6 : 1ZZ–FE, 3ZZ–FE
ACC
IG1
AM1
I13
Ignition SW
S 7(A), S 8(B)
Seat Heater SW
IG
RVL
SWL
SWR
RVR
25A
AM1
IG1 Relay
10A HTR
SEAT HTR Relay
10A GAUGE1
20A S–HTR
IC2
IM2
ED1
I15
Inner
Mirror
140A ALT
120A ALT (*5)
100A ALT (*6)
FL MAIN
3. 0W
Battery
J32
Junction Connector
J30(A), J31(B)
Junction Connector
J17
Junction
Connector
J35(A), J36(B)
Junction Connector
J37(A), J38(B)
Junction Connector
Seat Heater Controller
Seat
Heater
Squab
Seat Heater
Cushion
S16
Seat Heater LH
S17
Seat Heater RH
Left
Kick
Panel
Right Kick
Panel
Lower Back
Panel Left
Under the Left
Center Pillar
Under the Right
Center Pillar


Power Source
Power Seat
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
1
2
3
4
W
B–G (*1)
B–L (*2)
IE5 (LHD)
IP1 (RHD)
ED1
DN
DM
30A PWR SEAT
50A AM1 NO.1
1B
4D
4
3
50A AM1 NO.1
120A ALT (*3)
100A ALT (*4)
140A ALT
4B
FL MAIN 3. 0W
Battery
6A
30A PWR SEAT
6
IM2
L–O (RHD)
L–O (LHD)
A (LHD)
A (RHD)
C (LHD)
C (RHD)
B (LHD)
B (RHD)
D (LHD)
D (RHD)
E
J35(A), J36(B), J37(C), J38(D) Junction Connector
Y–R(LHD)
R–L(RHD)
Y–R(RHD)
R–L(LHD)
L7 Lumbar Support Control SW
H
R
E2
E1
R–B
R–G
W–B
L6 Lumbar Support Control Motor
P18 Power Seat Control SW (Driver' s Seat)
P19 Power Seat Control SW (Front Passenger' s Seat)
Slide
Front Vertical
Lifter
Reclining
Front
Rear
Up
Down
SLDF
SLDR
FUP
FDWN
LUP
LDWN
RCLF
RCLR
L
L–B
L–Y
L–R
Y–G
Y
Y–R
Y–B
P23 Power Seat Motor (Driver' s Seat Slide Control)
P20 Power Seat Motor (Driver' s Seat Front Vertical Control)
P21 Power Seat Motor (Driver' s Seat Lifter Control)
P22 Power Seat Motor (Driver' s Seat Reclining Control)
P25 Power Seat Motor (Front Passenger' s Seat Slide Control)
P24 Power Seat Motor (Front Passenger' s Seat Reclining Control)
Under the Right Center Pillar
Under the Left Center Pillar
BV
BR

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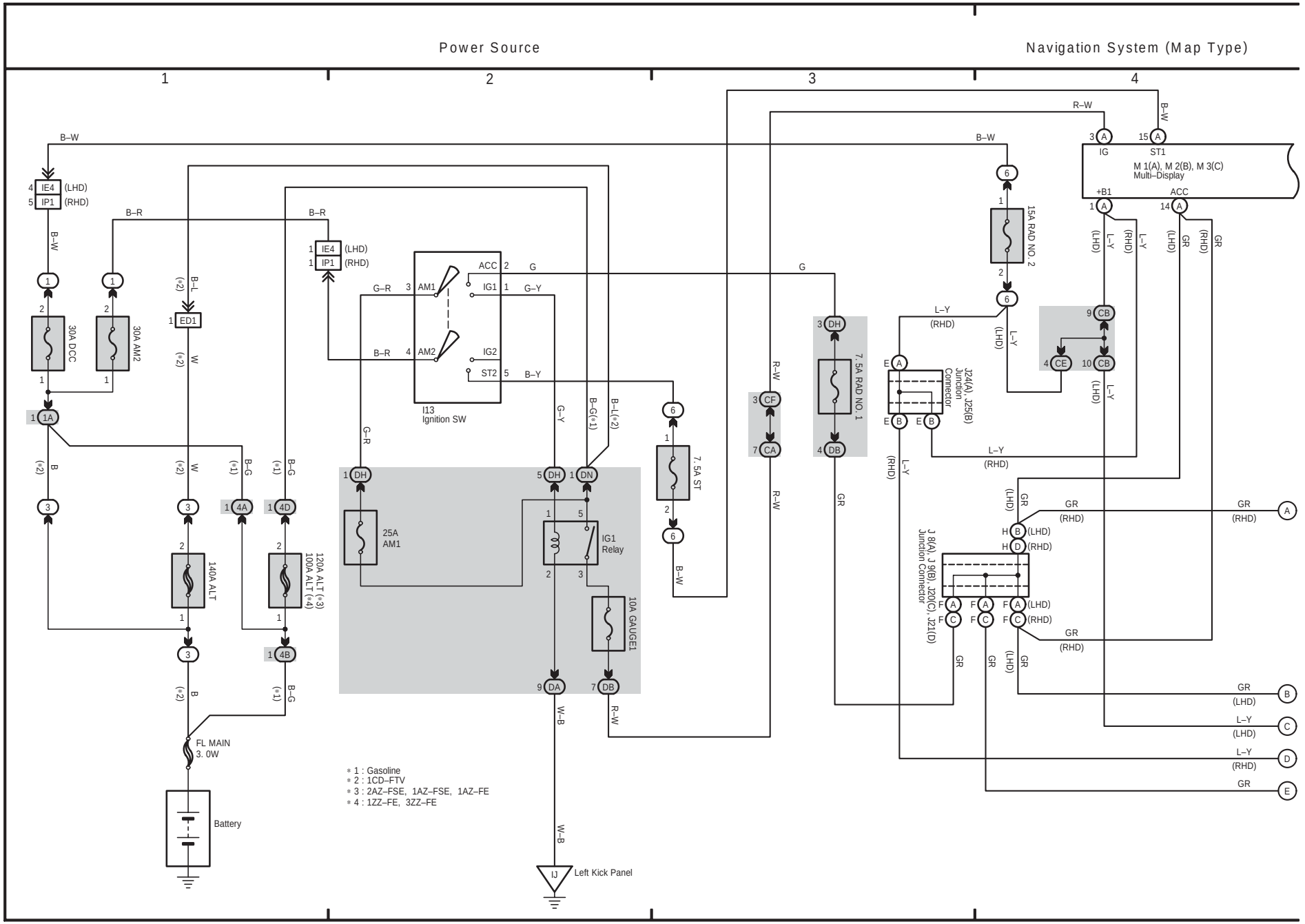
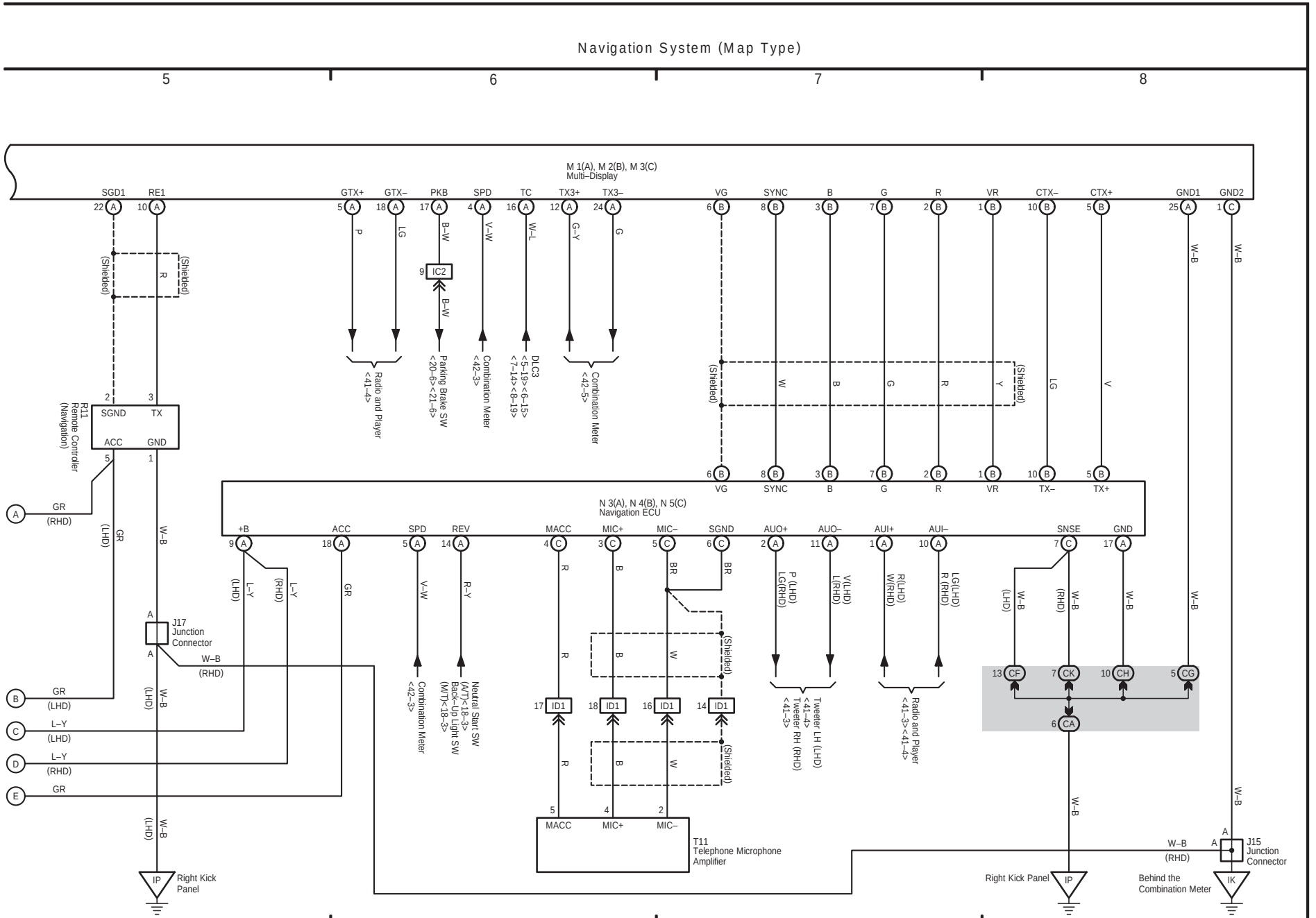
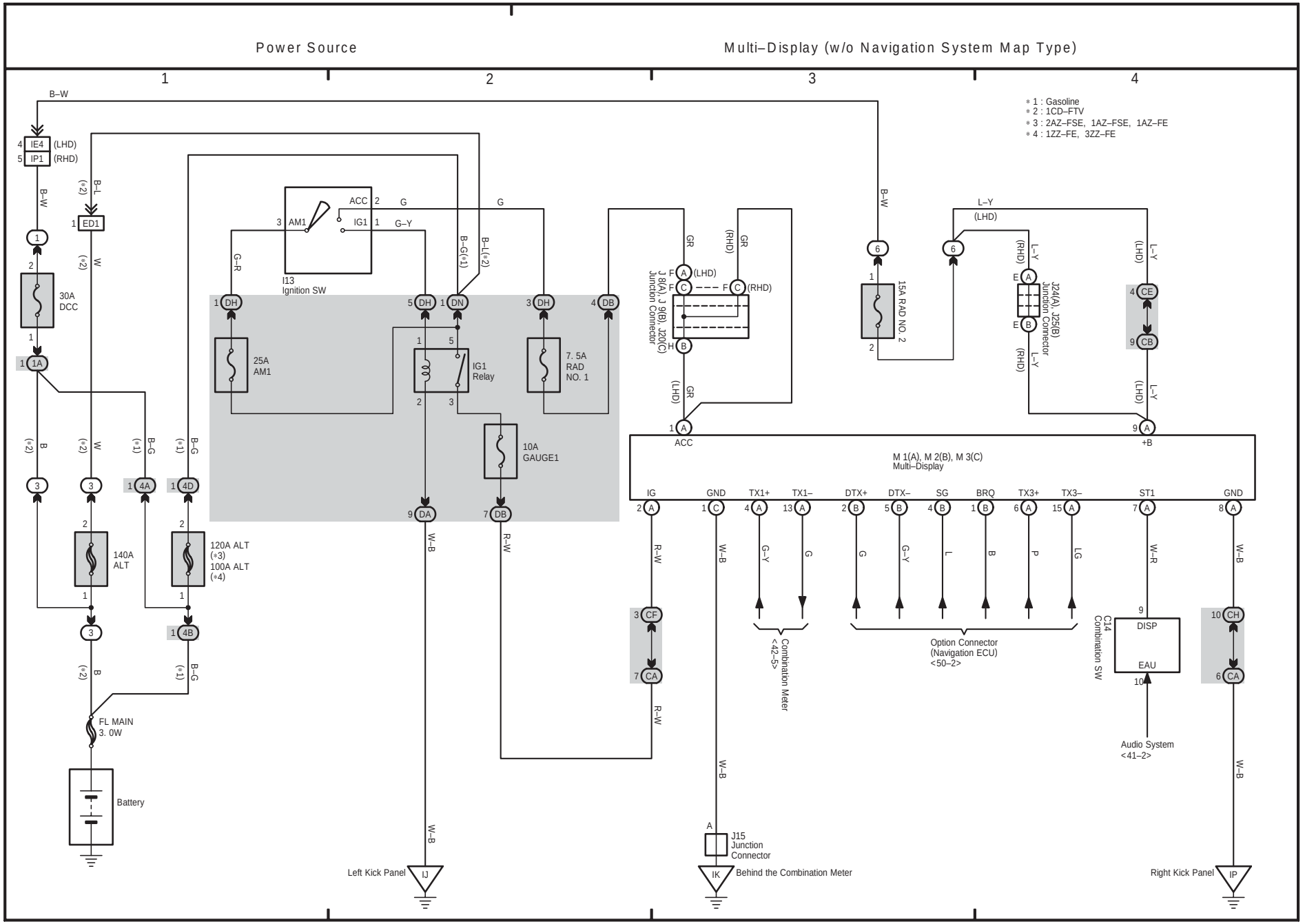
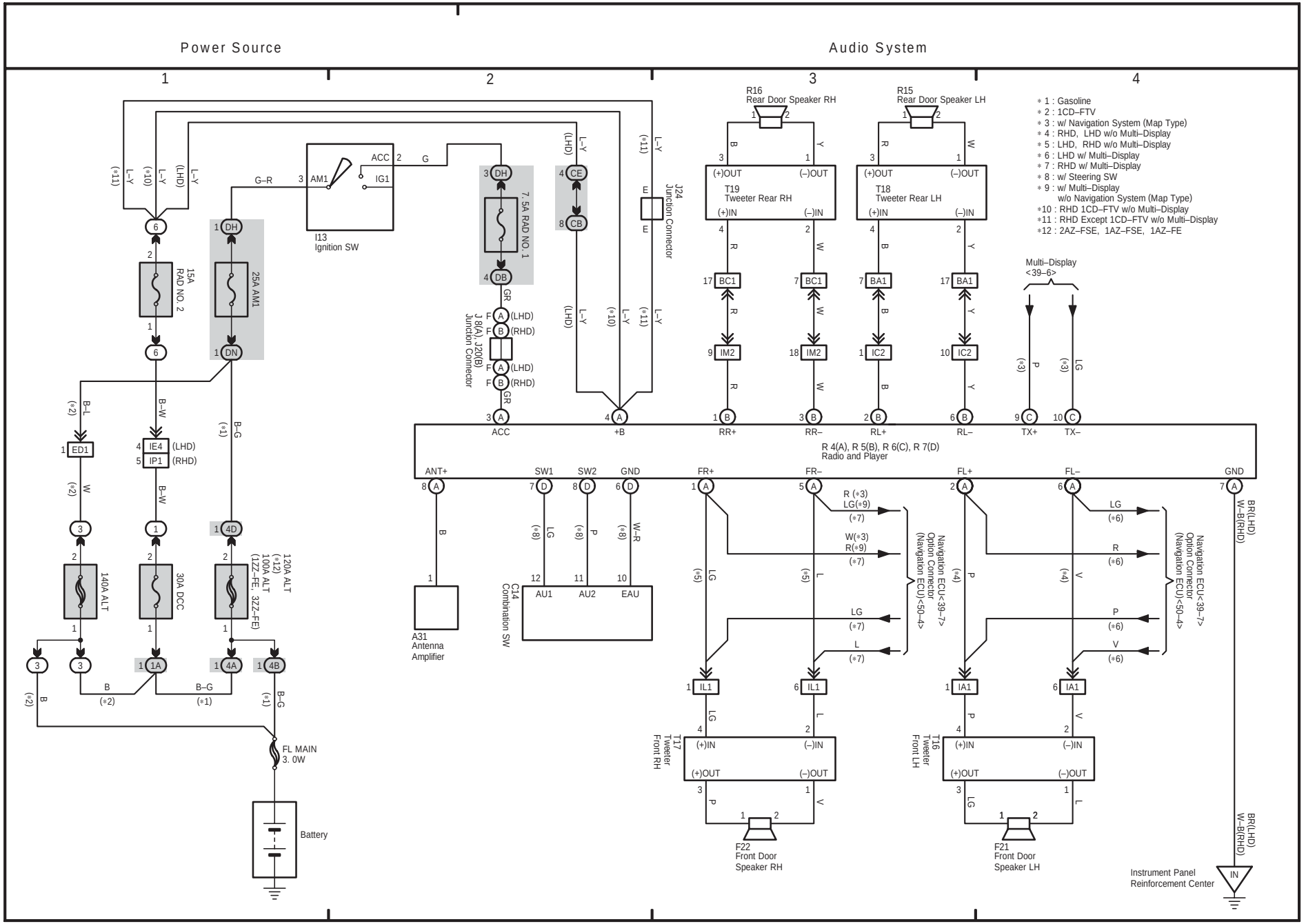
(Cont. next page)

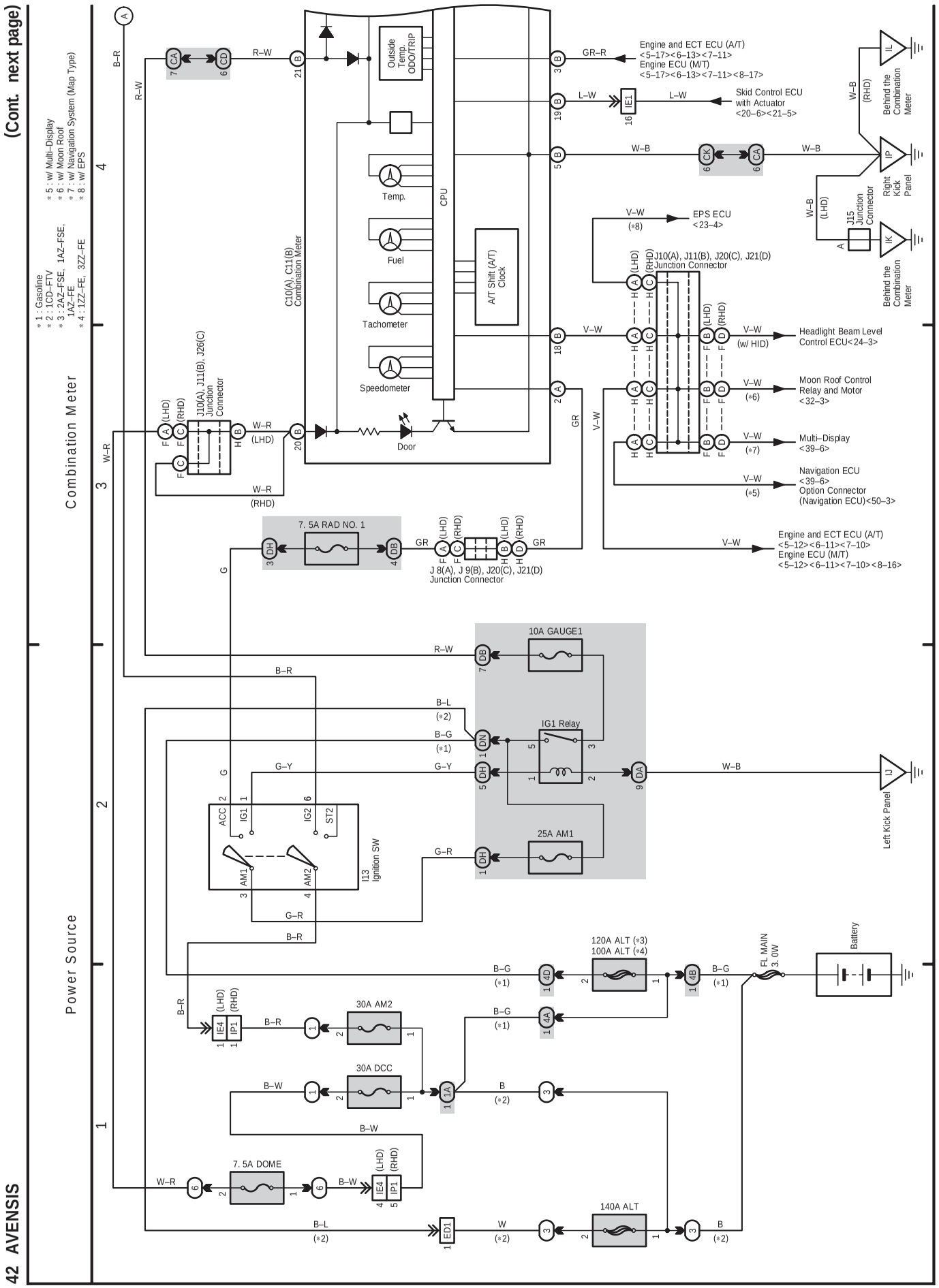



Navigation System (Map Type)
5
6
7
8
M 1(A), M 2(B), M 3(C)
Multi–Display
SGD1
RE1
GTX+
GTX–
PKB
SPD
TC
TX3+
TX3–
VG
SYNC
B
G
R
VR
CTX–
CTX+
GND1
GND2
(Shielded)
R11
Remote Controller
(Navigation)
SGND
TX
ACC
GND
IC2
Radio and Player
<41–4>
Parking Brake SW
<20–6><21–6>
Combination Meter
<42–3>
DLC3
<5–19><6–15>
<7–14><8–19>
Combination Meter
<42–5>
W
B
G
R
Y
LG
V
W–B
N 3(A), N 4(B), N 5(C)
Navigation ECU
+B
ACC
SPD
REV
MACC
MIC+
MIC–
SGND
AUO+
AUO–
AUI+
AUI–
SNSE
GND
TX–
TX+
J17
Junction
Connector
ID1
Combination Meter
<42–3>
Neutral Start SW
(A/T)<18–3>
Back–Up Light SW
(M/T)<18–3>
Tweeter LH (LHD)
<41–4>
Tweeter RH (RHD)
<41–3>
Radio and Player
<41–3><41–4>
CF
CK
CH
CG
CA
T11
Telephone Microphone
Amplifier
J15
Junction
Connector
IP
Right Kick
Panel
Behind the
Combination Meter
IK
GR
L–Y
BR
P
V
R–Y
LHD
RHD

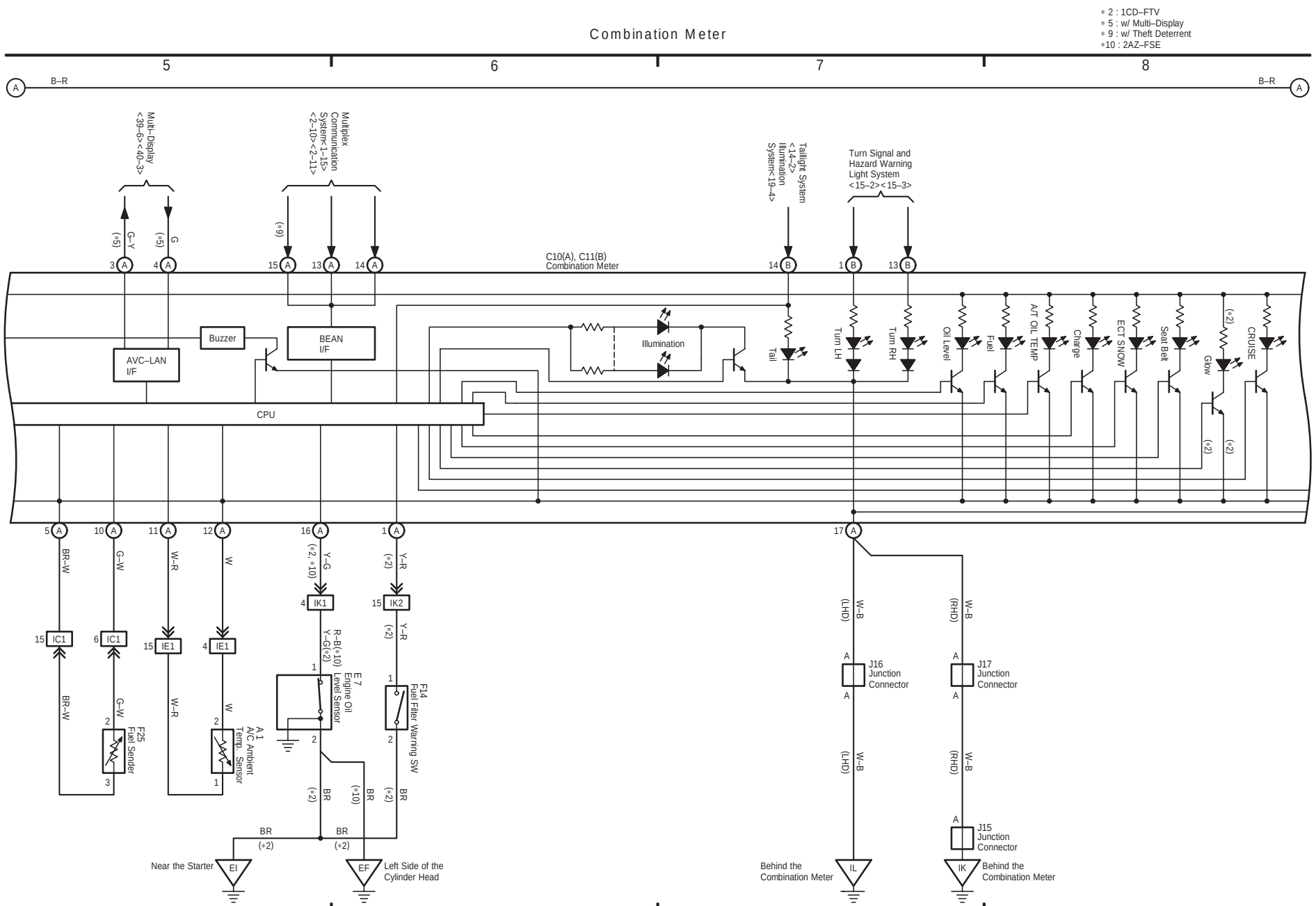
40 AVENSIS

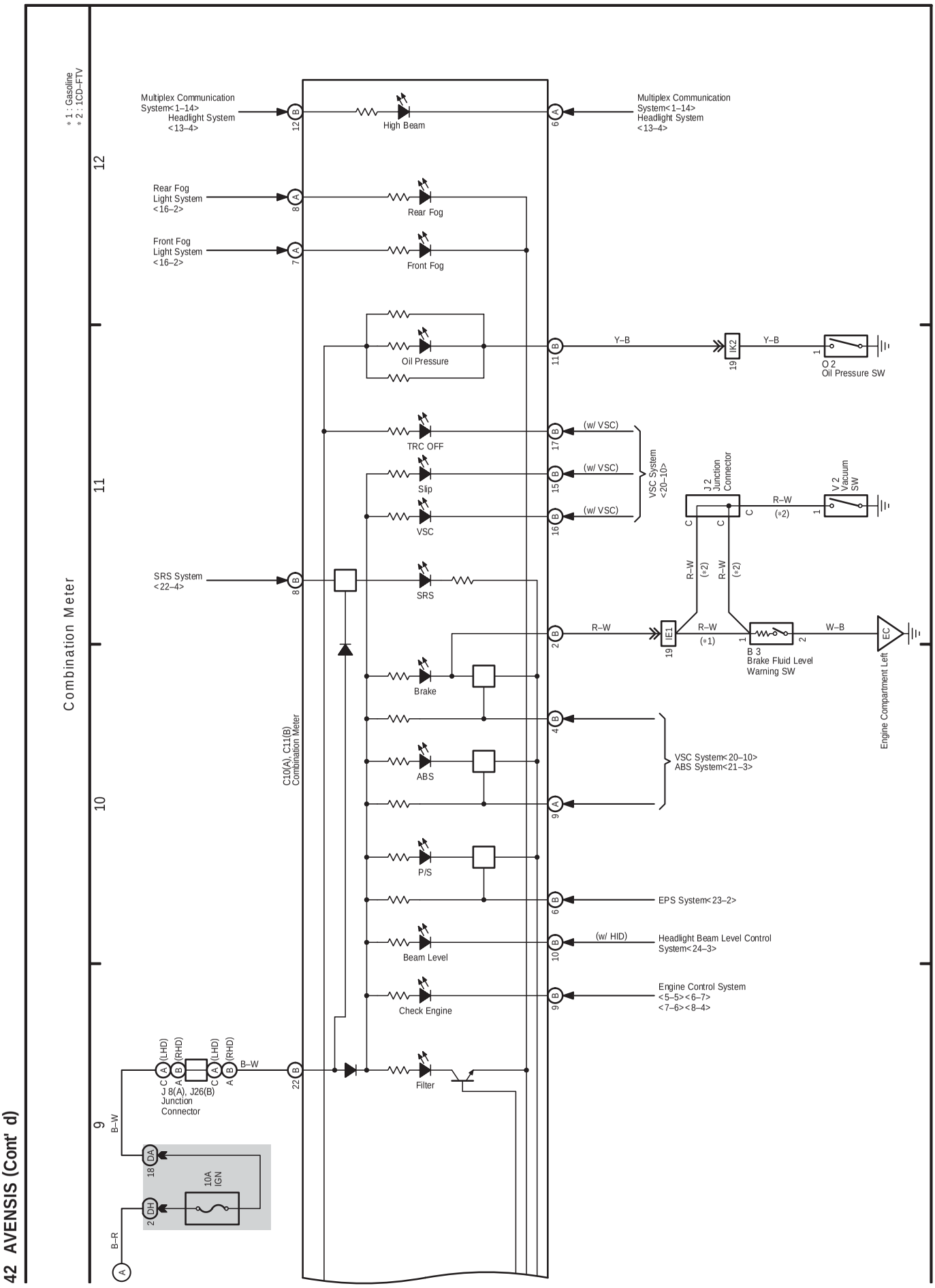

Power Source
Multi–Display (w/o Navigation System Map Type)
1
2
3
4
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
B–W
IE4 (LHD)
IP1 (RHD)
ED1
30A DCC
1A
140A ALT
120A ALT (*3)
100A ALT (*4)
FL MAIN 3. 0W
Battery
I13 Ignition SW
ACC
IG1
AM1
25A AM1
IG1 Relay
7. 5A RAD NO. 1
10A GAUGE1
15A RAD NO. 2
J 8(A), J 9(B), J20(C) Junction Connector
J24(A), J25(B) Junction Connector
M 1(A), M 2(B), M 3(C) Multi–Display
IG
GND
TX1+
TX1–
DTX+
DTX–
SG
BRQ
TX3+
TX3–
ST1
+B
Combination Meter <42–5>
Option Connector (Navigation ECU) <50–2>
C14 Combination SW
DISP
EAU
Audio System <41–2>
J15 Junction Connector
Behind the Combination Meter
Left Kick Panel
Right Kick Panel
IJ
IK
IP

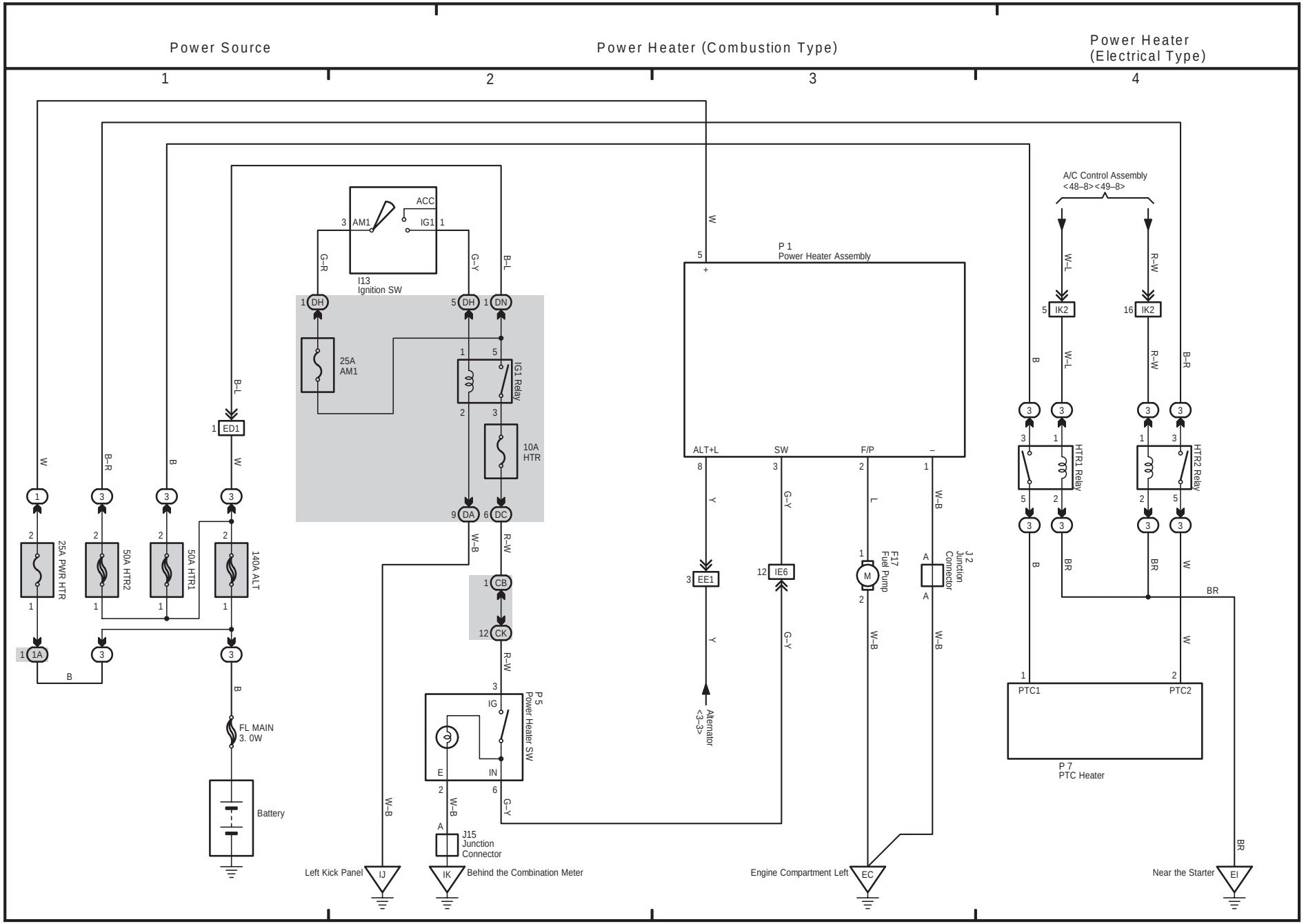

Power Source
Audio System
1
2
3
4
R16
Rear Door Speaker RH
R15
Rear Door Speaker LH
∗1 : Gasoline
∗2 : 1CD–FTV
∗3 : w/ Navigation System (Map Type)
∗4 : RHD, LHD w/o Multi–Display
∗5 : LHD, RHD w/o Multi–Display
∗6 : LHD w/ Multi–Display
∗7 : RHD w/ Multi–Display
∗8 : w/ Steering SW
∗9 : w/ Multi–Display
w/o Navigation System (Map Type)
∗10 : RHD 1CD–FTV w/o Multi–Display
∗11 : RHD Except 1CD–FTV w/o Multi–Display
∗12 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
Multi–Display
<39–6>
I13
Ignition SW
J24
Junction Connector
7.5A RAD NO.1
15A RAD NO.2
25A AM1
J 8(A), J20(B)
Junction Connector
T19
Tweeter Rear RH
T18
Tweeter Rear LH
R 4(A), R 5(B), R 6(C), R 7(D)
Radio and Player
A31
Antenna Amplifier
C14
Combination SW
Navigation ECU<39–7>
Option Connector
(Navigation ECU)<50–4>
T17
Tweeter Front RH
T16
Tweeter Front LH
F22
Front Door Speaker RH
F21
Front Door Speaker LH
140A ALT
30A DCC
120A ALT (∗12)
100A ALT (1ZZ–FE, 3ZZ–FE)
FL MAIN 3. 0W
Battery
Instrument Panel Reinforcement Center
ACC
+B
RR+
RR–
RL+
RL–
TX+
TX–
ANT+
SW1
SW2
GND
FR+
FR–
FL+
FL–
AU1
AU2
EAU


(Cont. next page)
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : w/ Multi–Display
* 6 : w/ Moon Roof
* 7 : w/ Navigation System (Map Type)
* 8 : w/ EPS
Combination Meter
Power Source
Outside Temp. ODO/TRIP
CPU
Temp.
Fuel
Tachometer
Speedometer
A/T Shift (A/T) Clock
Door
C10(A), C11(B) Combination Meter
Engine and ECT ECU (A/T) <5–17><6–13><7–11> Engine ECU (M/T) <5–17><6–13><7–11><8–17>
Skid Control ECU with Actuator <20–6><21–5>
EPS ECU <23–4>
J10(A), J11(B), J20(C), J21(D) Junction Connector
Headlight Beam Level Control ECU<24–3>
Moon Roof Control Relay and Motor <32–3>
Multi–Display <39–6>
Navigation ECU <39–6>
Option Connector (Navigation ECU)<50–3>
Engine and ECT ECU (A/T) <5–12><6–11><7–10> Engine ECU (M/T) <5–12><6–11><7–10><8–16>
J 8(A), J 9(B), J20(C), J21(D) Junction Connector
J10(A), J11(B), J26(C) Junction Connector
Behind the Combination Meter
J15 Junction Connector
Right Kick Panel
Left Kick Panel
7. 5A RAD NO. 1
10A GAUGE1
IG1 Relay
25A AM1
I13 Ignition SW
120A ALT (*3) 100A ALT (*4)
140A ALT
30A AM2
30A DCC
7. 5A DOME
FL MAIN 3. 0W
Battery

(Cont. next page)




*1 : Gasoline
*2 : 1CD–FTV
Combination Meter
Multiplex Communication System<1–14>
Headlight System <13–4>
High Beam
Rear Fog Light System <16–2>
Rear Fog
Front Fog Light System <16–2>
Front Fog
Oil Pressure
Y–B
IK2
O 2 Oil Pressure SW
TRC OFF
Slip
VSC
(w/ VSC)
VSC System <20–10>
J 2 Junction Connector
V 2 Vacuum SW
R–W
(*2)
SRS System <22–4>
SRS
R–W
IE1
(*1)
B 3 Brake Fluid Level Warning SW
W–B
EC
Engine Compartment Left
Brake
ABS
VSC System<20–10>
ABS System<21–3>
P/S
EPS System<23–2>
Beam Level
(w/ HID)
Headlight Beam Level Control System<24–3>
Check Engine
Engine Control System
<5–5><6–7>
<7–6><8–4>
C10(A), C11(B) Combination Meter
(LHD)
(RHD)
B–W
J 8(A), J26(B) Junction Connector
Filter
10A IGN
B–R
42 AVENSIS (Cont' d)


Power Source
Power Heater (Combustion Type)
Power Heater (Electrical Type)
1
2
3
4
ACC
IG1
AM1
I13
Ignition SW
G–R
G–Y
B–L
25A AM1
IG1 Relay
10A HTR
ED1
W
B–R
B
25A PWR HTR
50A HTR2
50A HTR1
140A ALT
1A
FL MAIN 3. 0W
Battery
DH
DN
DA
DC
CB
CK
R–W
W–B
P 5 Power Heater SW
IG
E
IN
J15 Junction Connector
Left Kick Panel
IJ
IK
Behind the Combination Meter
P 1 Power Heater Assembly
ALT+L
SW
F/P
–
Y
G–Y
L
W–B
EE1
IE6
F17 Fuel Pump
J2 Junction Connector
Alternator <3–3>
Engine Compartment Left
EC
A/C Control Assembly <48–8> <49–8>
W–L
R–W
B–R
IK2
HTR1 Relay
HTR2 Relay
BR
W
PTC1
PTC2
P 7 PTC Heater
Near the Starter
EI

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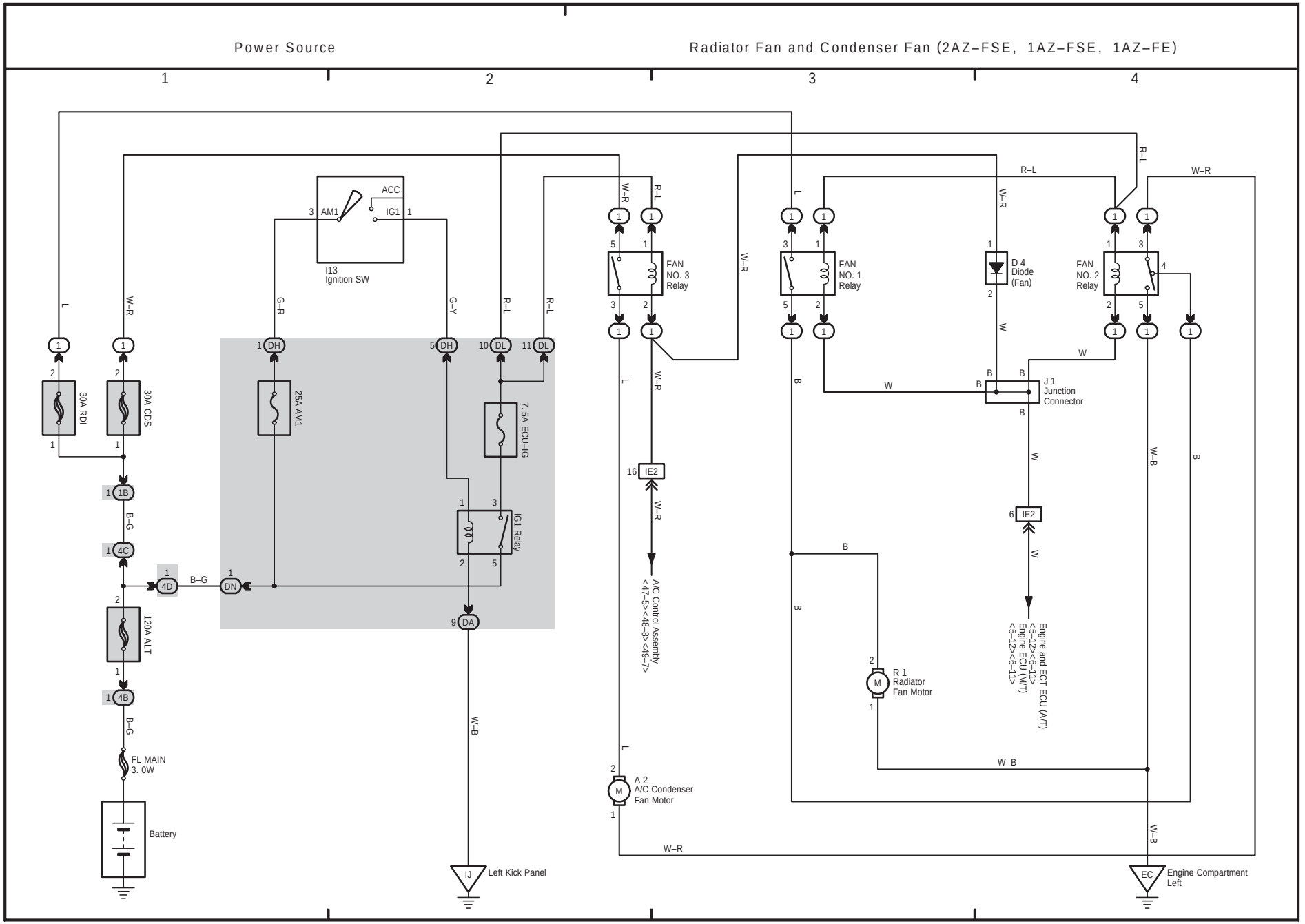
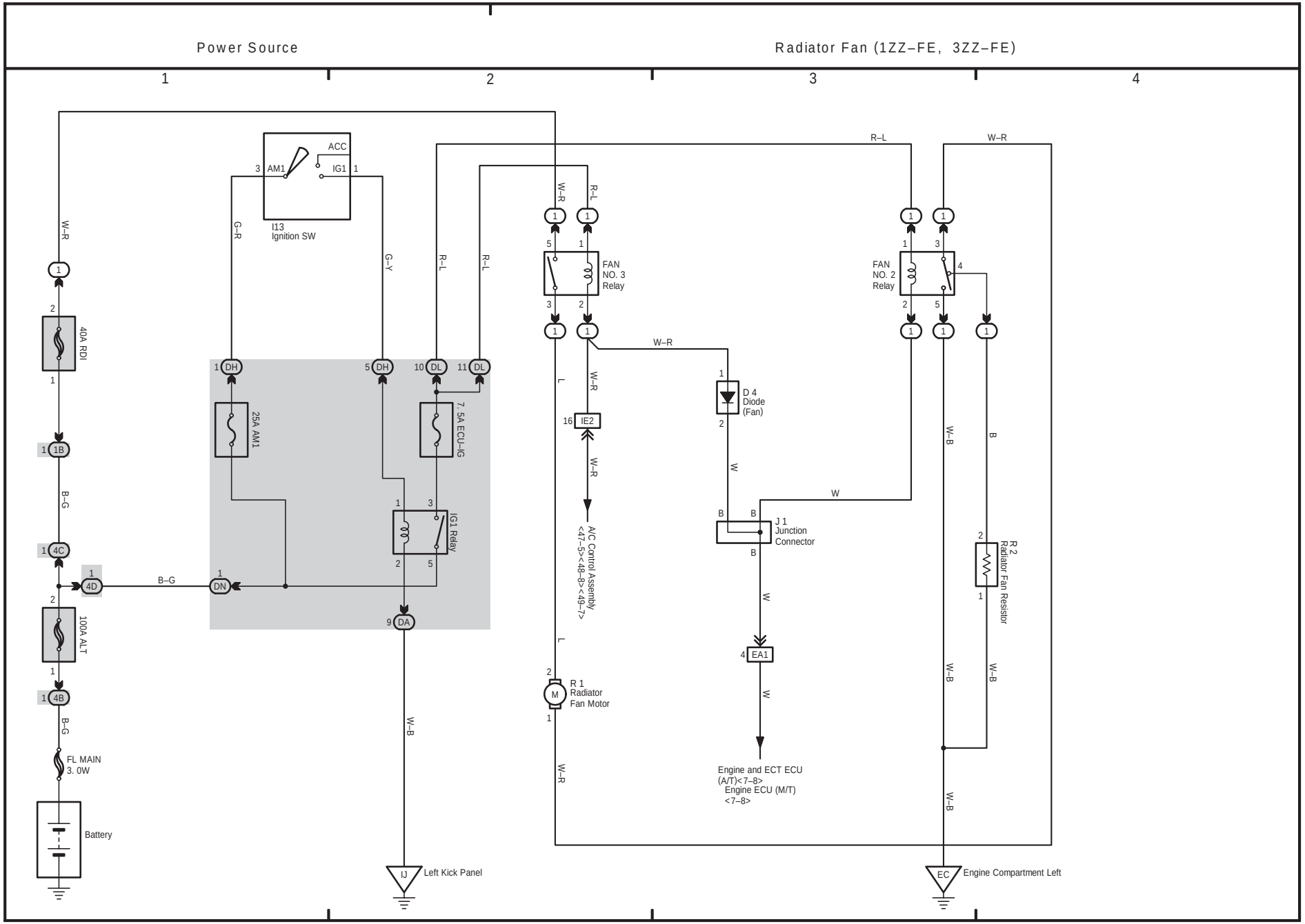

Power Source
Radiator Fan and Condenser Fan (2AZ–FSE, 1AZ–FSE, 1AZ–FE)
1
2
3
4
ACC
AM1
IG1
I13
Ignition SW
FAN NO. 3 Relay
FAN NO. 1 Relay
FAN NO. 2 Relay
D 4
Diode (Fan)
J 1
Junction Connector
30A RDI
30A CDS
25A AM1
7. 5A ECU–IG
IG1 Relay
120A ALT
FL MAIN
3. 0W
Battery
R 1
Radiator Fan Motor
A 2
A/C Condenser Fan Motor
A/C Control Assembly
<47–5><48–8><49–7>
Engine and ECT ECU (A/T)
<5–12><6–11>
Engine ECU (M/T)
<5–12><6–11>
IJ
Left Kick Panel
EC
Engine Compartment Left
L
W–R
R–L
G–R
G–Y
B–G
W–B
W
B


Power Source
Radiator Fan (1ZZ–FE, 3ZZ–FE)
1
2
3
4
ACC
AM1
IG1
I13
Ignition SW
W–R
G–R
G–Y
R–L
R–L
W–R
R–L
W–R
FAN
NO. 3
Relay
FAN
NO. 2
Relay
40A RDI
25A AM1
7. 5A ECU–IG
IG1 Relay
D 4
Diode
(Fan)
J 1
Junction
Connector
R 2
Radiator Fan Resistor
IE2
A/C Control Assembly
<47–5><48–8><49–7>
R 1
Radiator
Fan Motor
EA1
Engine and ECT ECU
(A/T)<7–8>
Engine ECU (M/T)
<7–8>
100A ALT
FL MAIN
3. 0W
Battery
B–G
W–B
L
W
B
IJ
Left Kick Panel
EC
Engine Compartment Left

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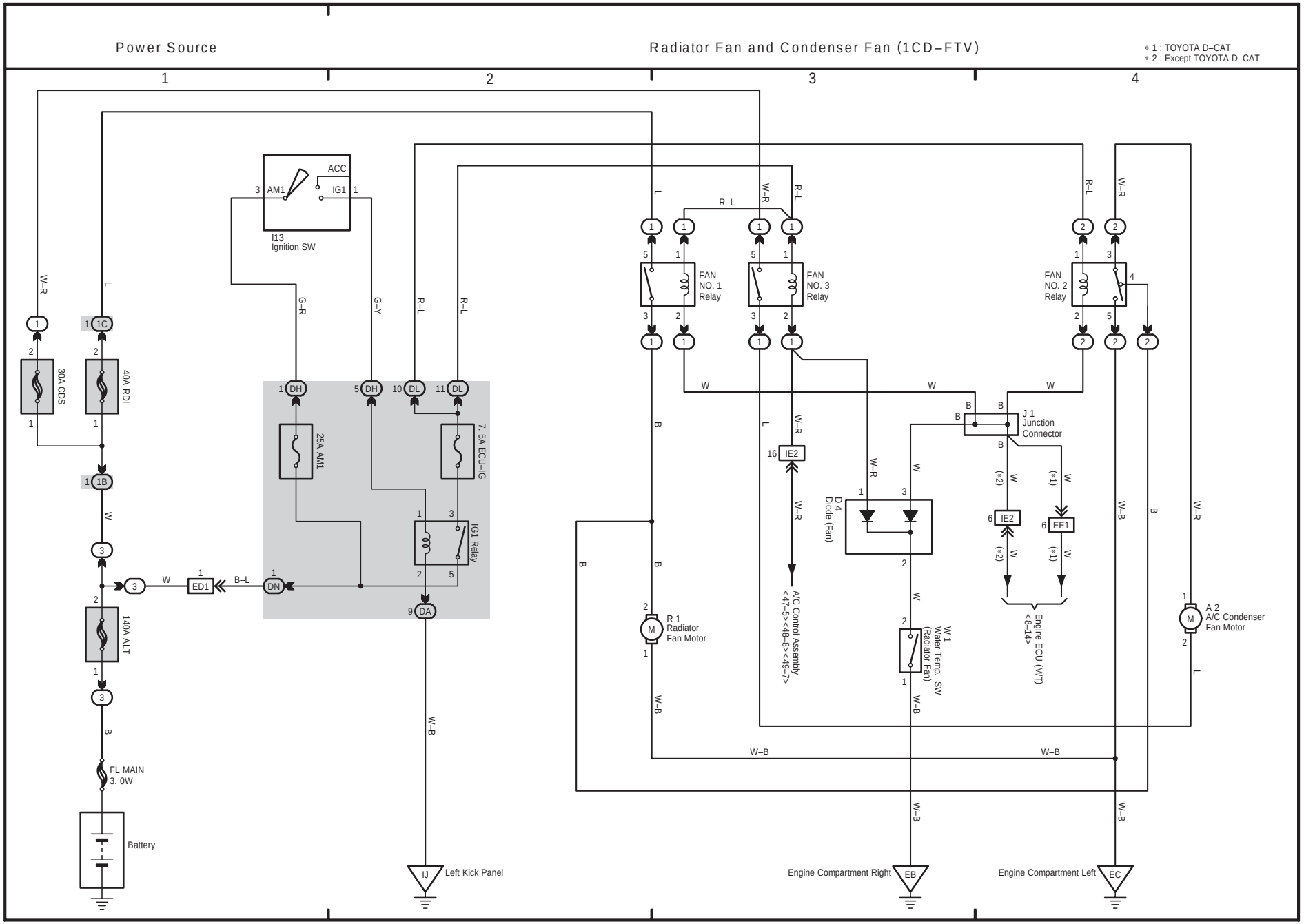
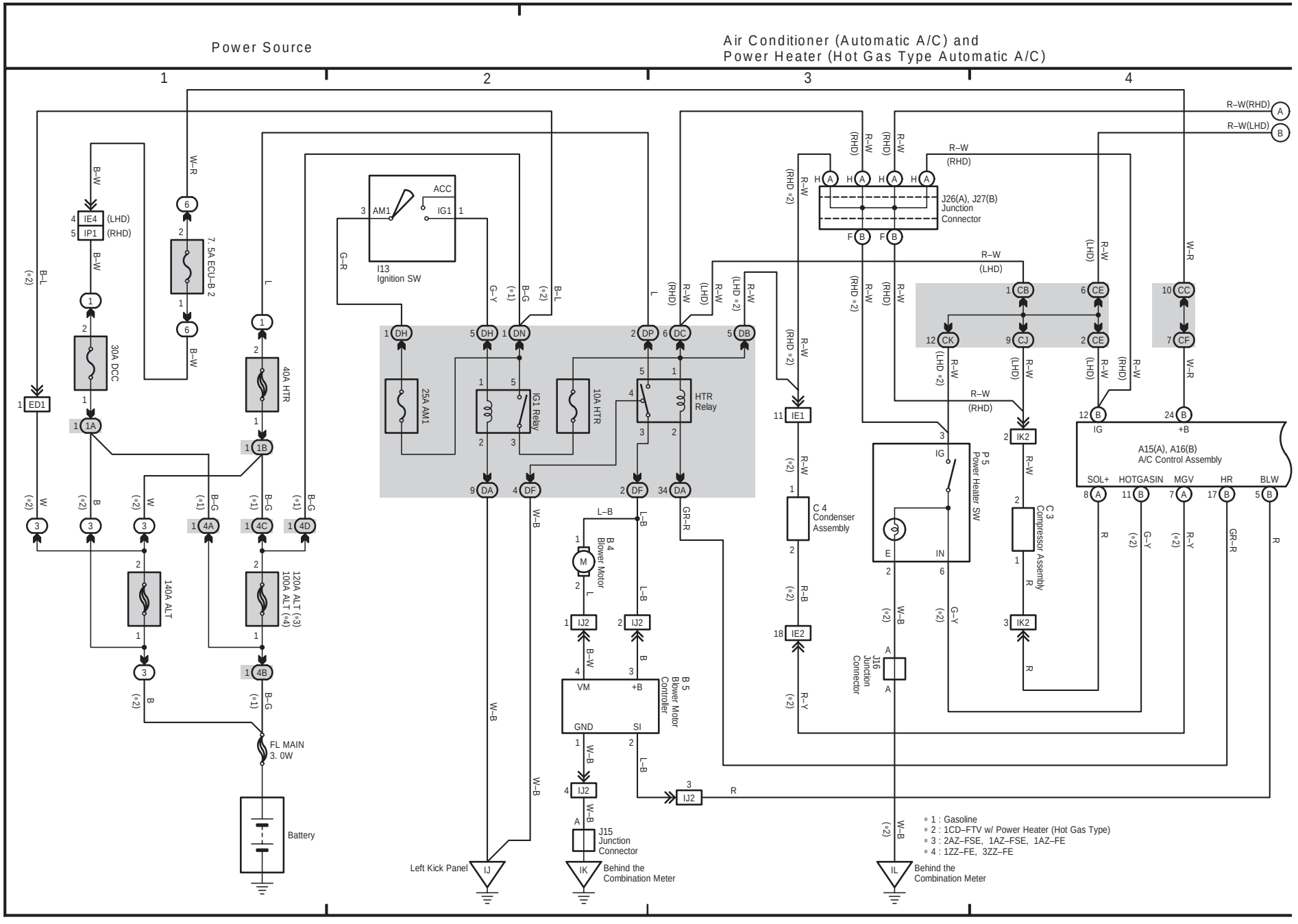
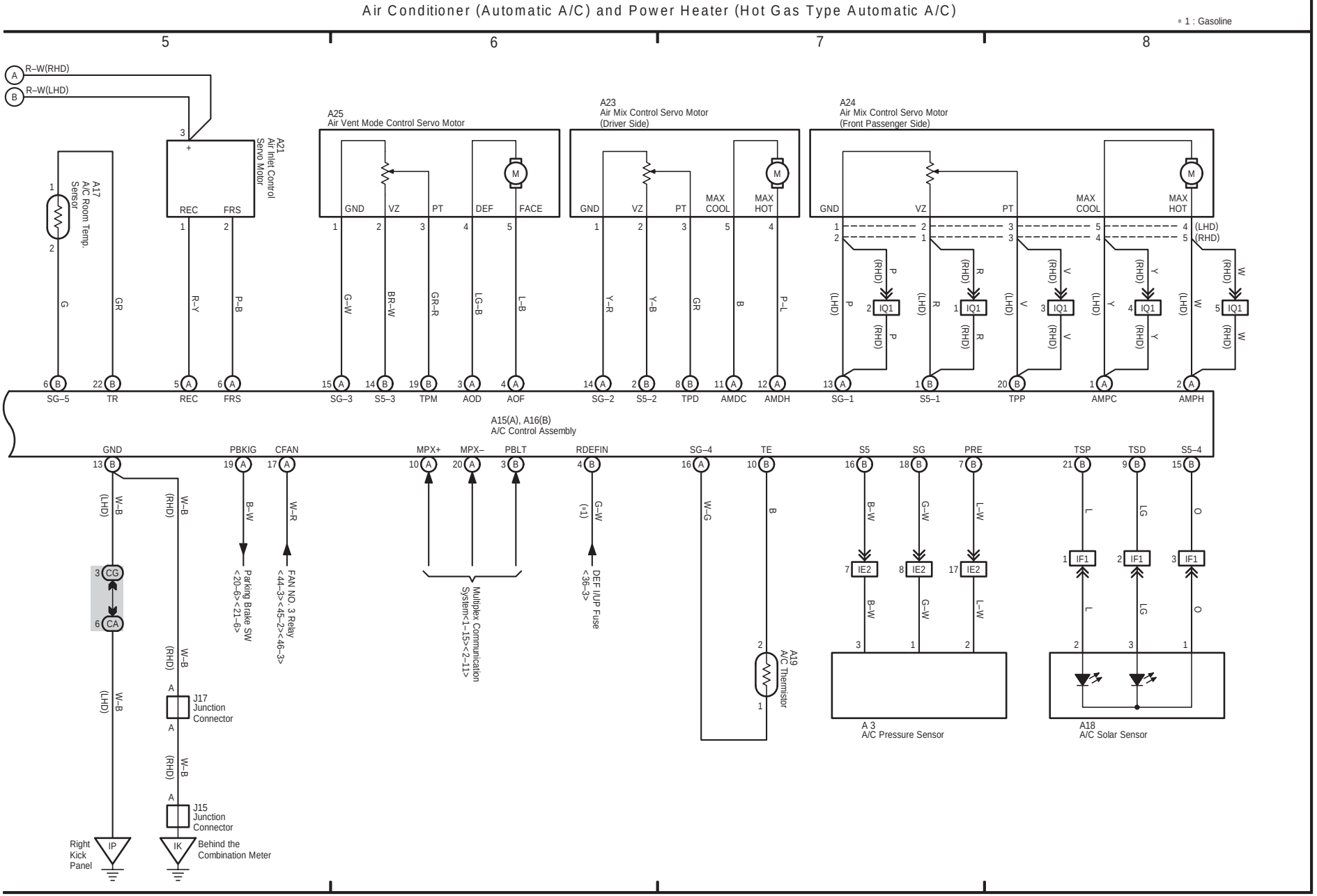

Power Source
Radiator Fan and Condenser Fan (1CD–FTV)
* 1 : TOYOTA D–CAT
* 2 : Except TOYOTA D–CAT
1
2
3
4
ACC
AM1
IG1
I13
Ignition SW
30A CDS
40A RDI
140A ALT
FL MAIN
3. 0W
Battery
25A AM1
7. 5A ECU–IG
IG1 Relay
ED1
DN
DA
DH
DL
FAN
NO. 1
Relay
FAN
NO. 3
Relay
FAN
NO. 2
Relay
J 1
Junction
Connector
D 4
Diode (Fan)
IE2
EE1
R 1
Radiator
Fan Motor
A 2
A/C Condenser
Fan Motor
W 1
Water Temp. SW
(Radiator Fan)
A/C Control Assembly
<47–5><48–8><49–7>
Engine ECU (M/T)
<8–14>
IJ
Left Kick Panel
EB
Engine Compartment Right
EC
Engine Compartment Left
W–R
L
G–R
G–Y
R–L
W
B
B–L
W–B


Power Source
Air Conditioner (Automatic A/C) and
Power Heater (Hot Gas Type Automatic A/C)
1
2
3
4
ACC
IG1
AM1
I13
Ignition SW
7. 5A ECU–B 2
30A DCC
40A HTR
25A AM1
IG1 Relay
10A HTR
HTR
Relay
140A ALT
120A ALT (*3)
100A ALT (*4)
FL MAIN
3. 0W
Battery
Left Kick Panel
IJ
B 4
Blower Motor
B 5
Blower Motor
Controller
VM
+B
GND
SI
J15
Junction
Connector
IK
Behind the
Combination Meter
J26(A), J27(B)
Junction
Connector
C 4
Condenser
Assembly
P 5
Power Heater SW
IG
E
IN
C 3
Compressor Assembly
J16
Junction
Connector
IL
Behind the
Combination Meter
A15(A), A16(B)
A/C Control Assembly
IG
+B
SOL+
HOTGASIN
MGV
HR
BLW
* 1 : Gasoline
* 2 : 1CD–FTV w/ Power Heater (Hot Gas Type)
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE


Air Conditioner (Automatic A/C) and Power Heater (Hot Gas Type Automatic A/C)
* 1 : Gasoline
5
6
7
8
A25
Air Vent Mode Control Servo Motor
A23
Air Mix Control Servo Motor
(Driver Side)
A24
Air Mix Control Servo Motor
(Front Passenger Side)
A21
Air Inlet Control
Servo Motor
A17
A/C Room Temp.
Sensor
R–W(RHD)
R–W(LHD)
GND
VZ
PT
DEF
FACE
MAX
COOL
MAX
HOT
REC
FRS
SG–5
TR
REC
FRS
SG–3
S5–3
TPM
AOD
AOF
SG–2
S5–2
TPD
AMDC
AMDH
SG–1
S5–1
TPP
AMPC
AMPH
A15(A), A16(B)
A/C Control Assembly
PBKIG
CFAN
MPX+
MPX–
PBLT
RDEFIN
SG–4
TE
S5
SG
PRE
TSP
TSD
S5–4
Parking Brake SW
<20–6><21–6>
FAN NO. 3 Relay
<44–3><45–2><46–3>
Multiplex Communication
System<1–15><2–11>
DEF IUP Fuse
<36–3>
A19
A/C Thermistor
A 3
A/C Pressure Sensor
A18
A/C Solar Sensor
J17
Junction
Connector
J15
Junction
Connector
Right
Kick
Panel
Behind the
Combination Meter
IP
IK
CG
CA
IQ1
IE2
IF1
(LHD)
(RHD)

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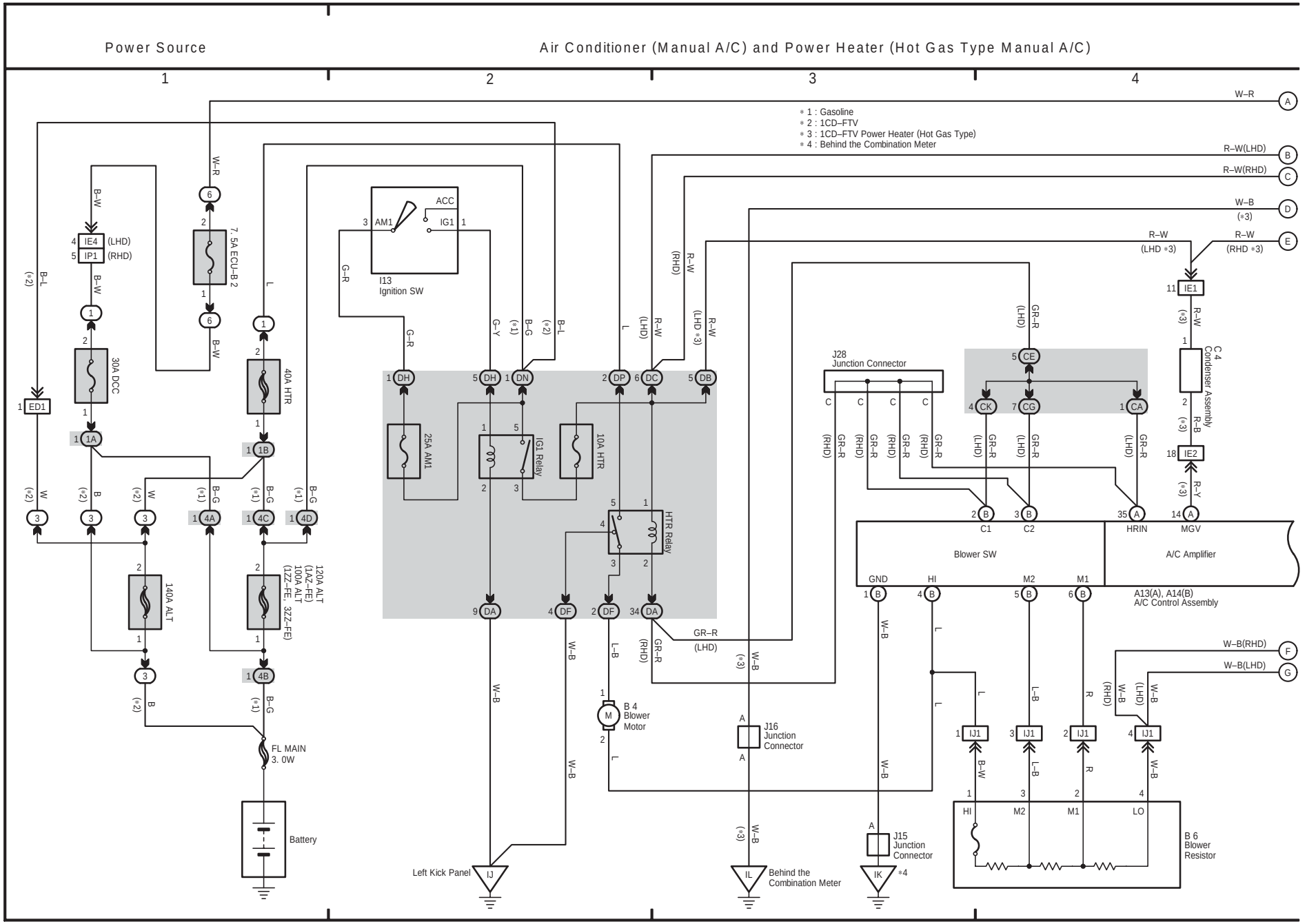
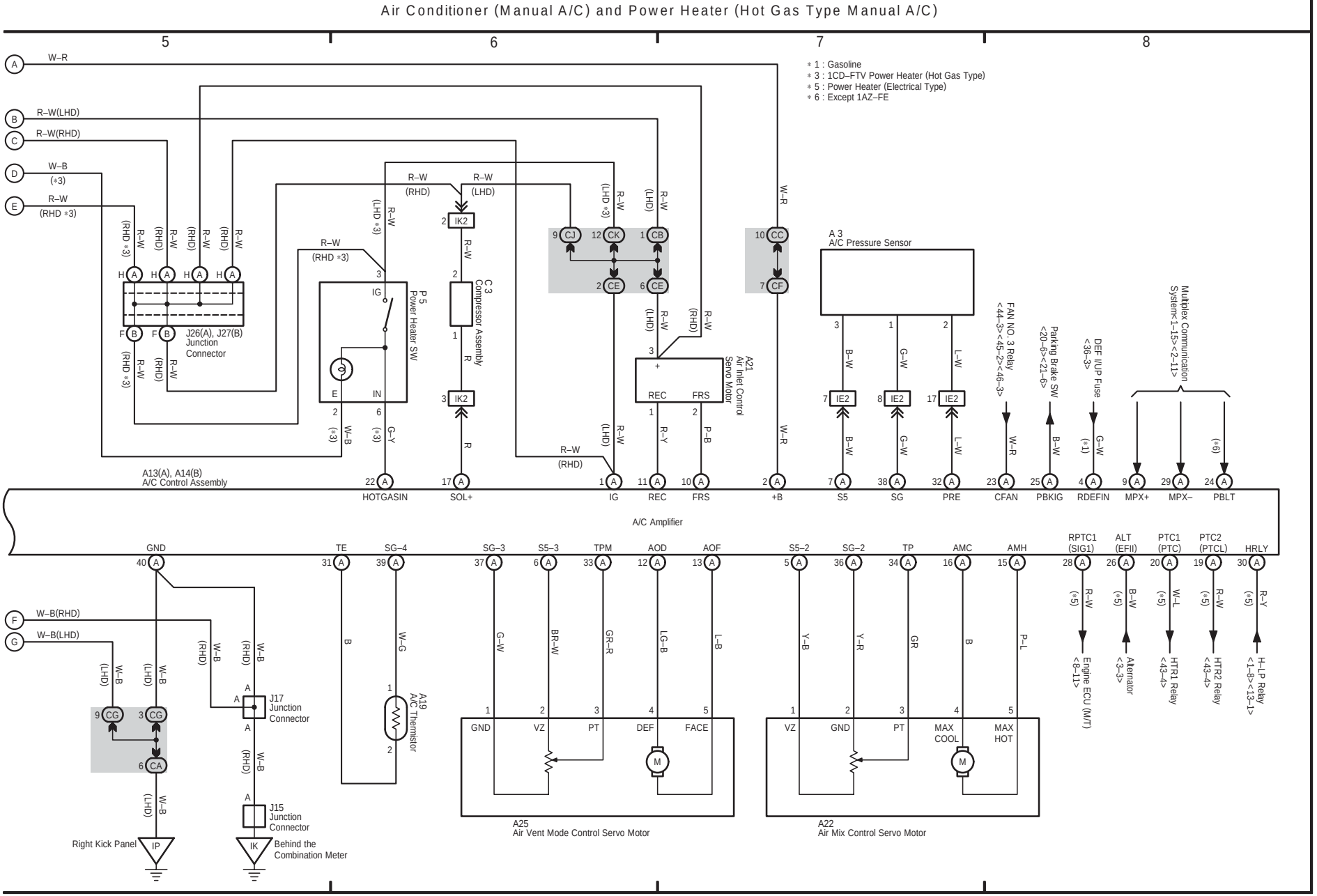
(Cont. next page)




Air Conditioner (Manual A/C) and Power Heater (Hot Gas Type Manual A/C)
5
6
7
8
* 1 : Gasoline
* 3 : 1CD–FTV Power Heater (Hot Gas Type)
* 5 : Power Heater (Electrical Type)
* 6 : Except 1AZ–FE
W–R
R–W(LHD)
R–W(RHD)
W–B (*3)
R–W (RHD *3)
J26(A), J27(B) Junction Connector
P 5 Power Heater SW
C 3 Compressor Assembly
A21 Air Inlet Control Servo Motor
A 3 A/C Pressure Sensor
FAN NO. 3 Relay <44–3><45–2><46–3>
Parking Brake SW <20–6><21–6>
DEF I/UP Fuse <36–3>
Multiplex Communication System<1–15><2–11>
A13(A), A14(B) A/C Control Assembly
HOTGASIN
SOL+
IG
REC
FRS
+B
S5
SG
PRE
CFAN
PBKIG
RDEFIN
MPX+
MPX–
PBLT
A/C Amplifier
GND
TE
SG–4
SG–3
S5–3
TPM
AOD
AOF
S5–2
SG–2
TP
AMC
AMH
RPTC1 (SIG1)
ALT (EFII)
PTC1 (PTC)
PTC2 (PTCL)
HRLY
Engine ECU (M/T) <8–11>
Alternator <3–3>
HTR1 Relay <43–4>
HTR2 Relay <43–4>
H–LP Relay <1–8><13–1>
W–B(RHD)
W–B(LHD)
J17 Junction Connector
J15 Junction Connector
A19 A/C Thermistor
Right Kick Panel
IP
IK
Behind the Combination Meter
A25 Air Vent Mode Control Servo Motor
GND
VZ
PT
DEF
FACE
A22 Air Mix Control Servo Motor
VZ
GND
PT
MAX COOL
MAX HOT

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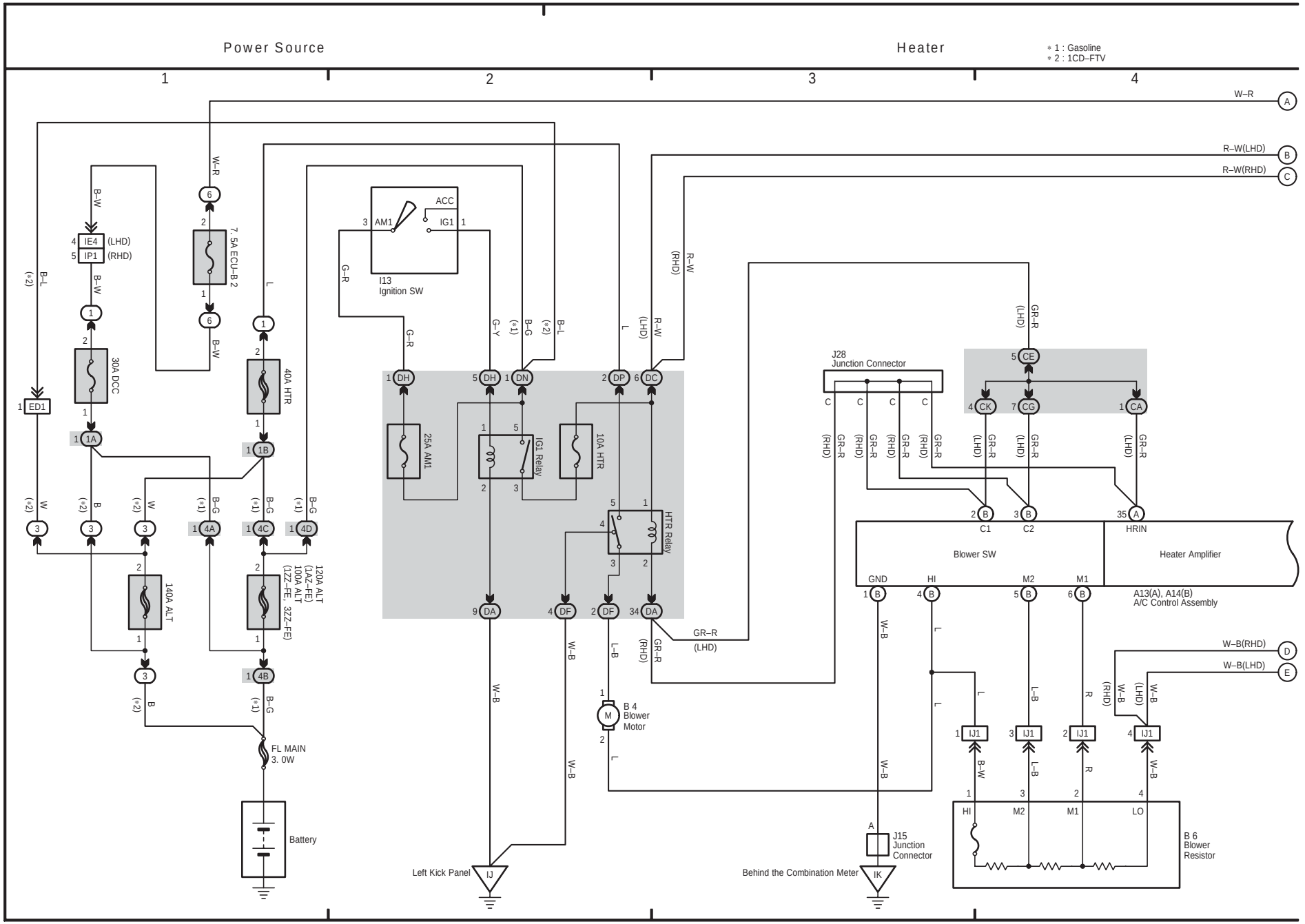
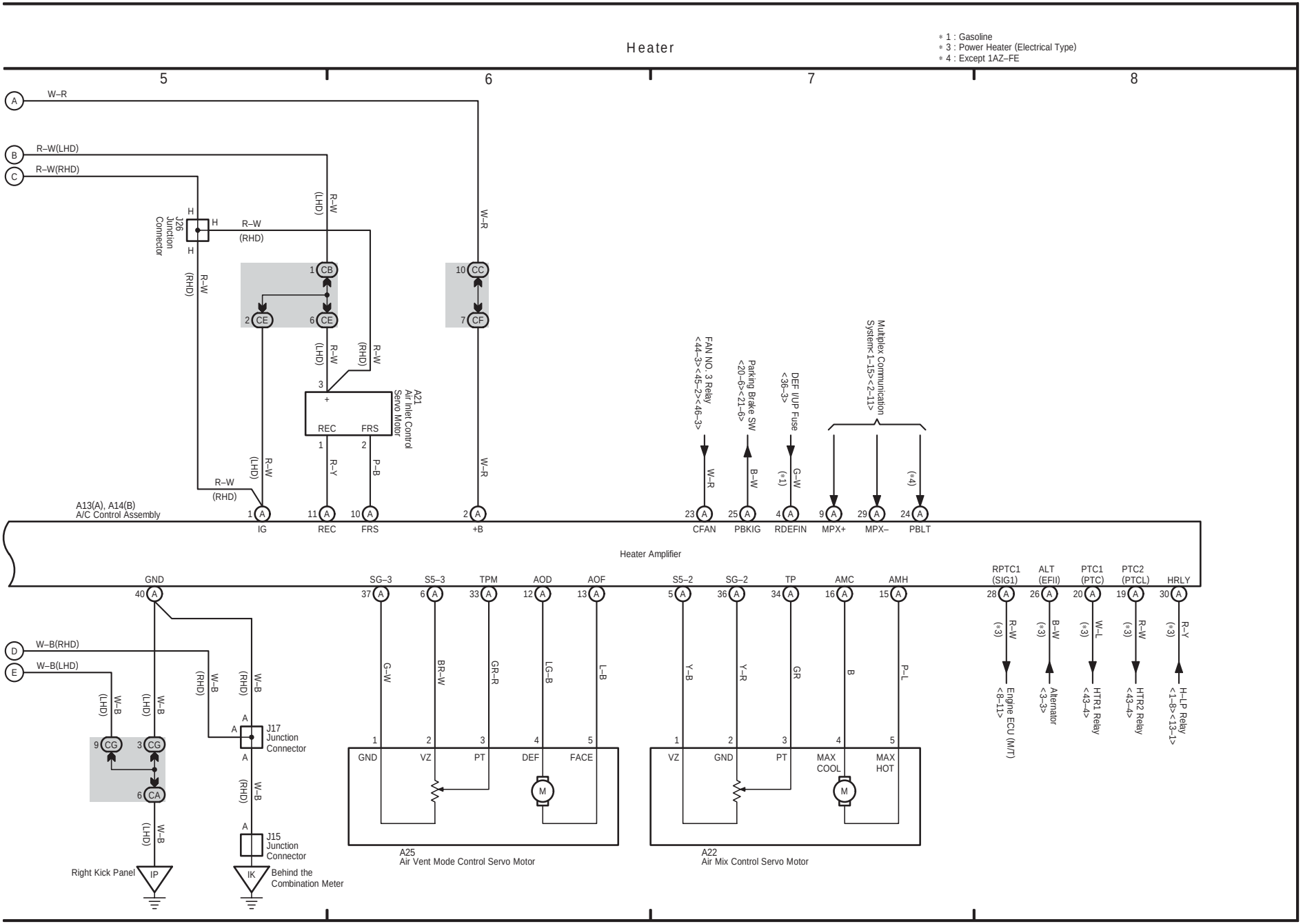
(Cont. next page)




Heater
* 1 : Gasoline
* 3 : Power Heater (Electrical Type)
* 4 : Except 1AZ–FE
5
6
7
8
W–R
R–W(LHD)
R–W(RHD)
J26 Junction Connector
R–W (LHD)
R–W (RHD)
W–R
A21 Air Inlet Control Servo Motor
REC
FRS
R–Y
P–B
FAN NO. 3 Relay <44–3><45–2><46–3>
Parking Brake SW <20–6><21–6>
DEF I/UP Fuse <36–3>
Multiplex Communication System<1–15><2–11>
B–W
G–W
(*1)
(*4)
A13(A), A14(B) A/C Control Assembly
IG
REC
FRS
+B
CFAN
PBKIG
RDEFIN
MPX+
MPX–
PBLT
Heater Amplifier
GND
SG–3
S5–3
TPM
AOD
AOF
S5–2
SG–2
TP
AMC
AMH
RPTC1 (SIG1)
ALT (EFII)
PTC1 (PTC)
PTC2 (PTCL)
HRLY
G–W
BR–W
GR–R
LG–B
L–B
Y–B
Y–R
GR
B
P–L
R–W
B–W
W–L
R–Y
(*3)
Engine ECU (M/T) <8–11>
Alternator <3–3>
HTR1 Relay <43–4>
HTR2 Relay <43–4>
H–LP Relay <1–8><13–1>
W–B(RHD)
W–B(LHD)
W–B
J17 Junction Connector
J15 Junction Connector
Right Kick Panel
IP
IK
Behind the Combination Meter
GND
VZ
PT
DEF
FACE
MAX COOL
MAX HOT
A25 Air Vent Mode Control Servo Motor
A22 Air Mix Control Servo Motor

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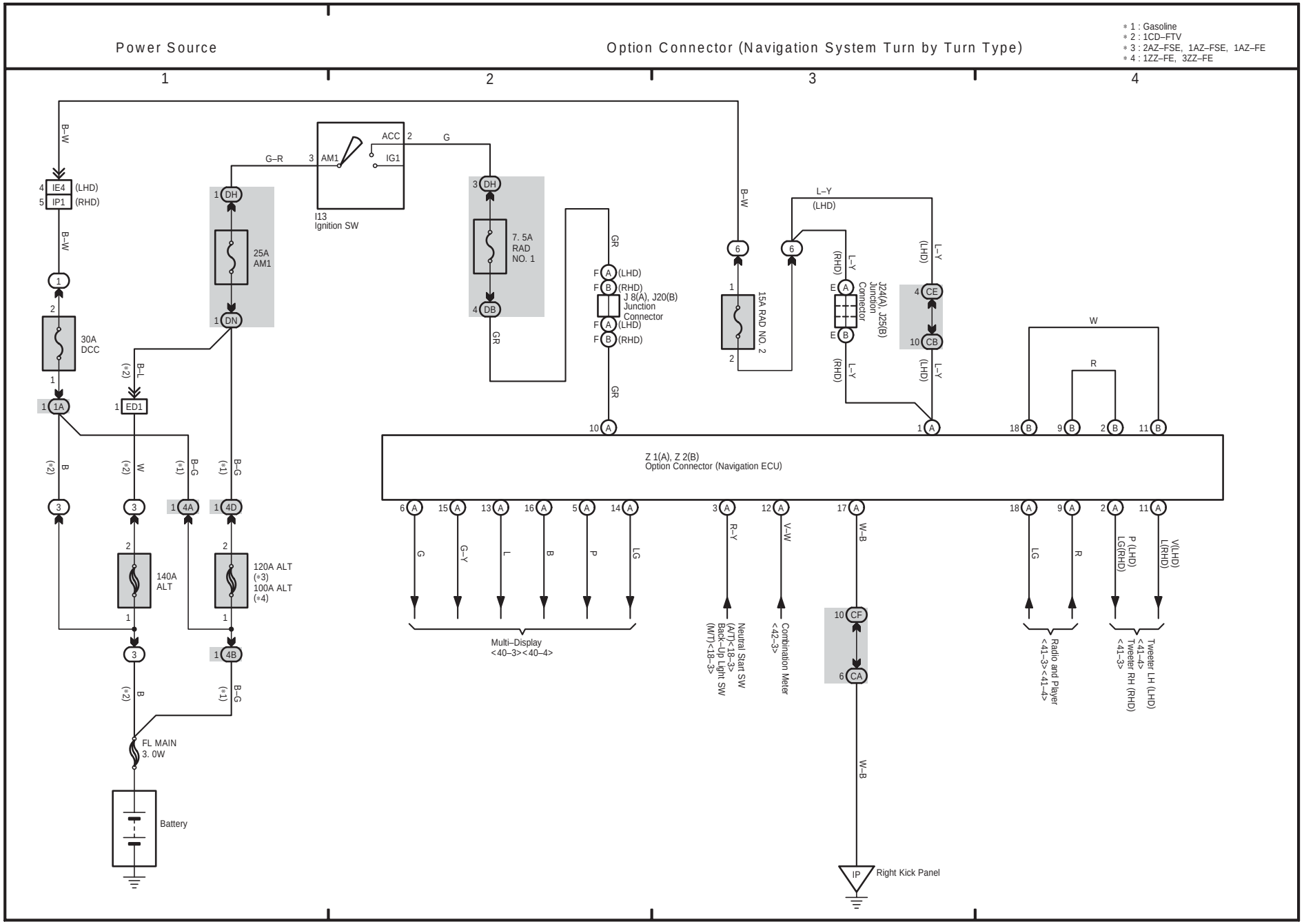
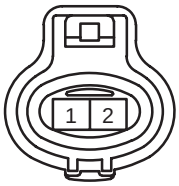

Power Source
Option Connector (Navigation System Turn by Type)
1
2
3
4
* 1 : Gasoline
* 2 : 1CD–FTV
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
B–W
IE4 (LHD)
IP1 (RHD)
I13
Ignition SW
ACC
IG1
AM1
G–R
G
25A AM1
7. 5A RAD NO. 1
30A DCC
B–L
(*2)
ED1
1A
B
W
B–G
(*1)
4A
4D
4B
140A ALT
120A ALT (*3)
100A ALT (*4)
FL MAIN 3. 0W
Battery
GR
J 8(A), J20(B) Junction Connector (LHD)
J 8(A), J20(B) Junction Connector (RHD)
15A RAD NO. 2
L–Y
(LHD)
(RHD)
124(A), J25(B) Junction Connector
W
R
Z 1(A), Z 2(B) Option Connector (Navigation ECU)
Multi–Display <40–3><40–4>
Neutral Start SW (A/T)<18–3> Back–Up Light SW (M/T)<18–3>
Combination Meter <42–3>
W–B
Right Kick Panel
Radio and Player <41–3><41–4>
Tweeter RH (RHD) <41–3>
Tweeter LH (LHD) <41–4>
P (LHD) LG(RHD)
V(LHD) L(RHD)

F CONNECTOR LIST

A 1
Gray

A 2
Black

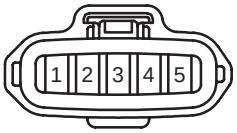


A 3
Black

A 4

A 5

A 6
Black



A 7
Gray

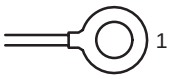
A 8
Gray

A 9
Yellow

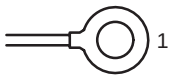
A10
Yellow

A11
Black

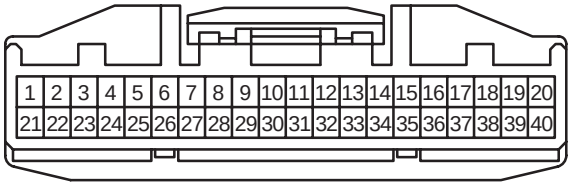
A12
(1CD–FTV)



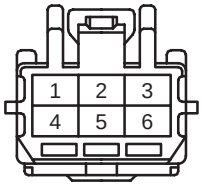
A12
(Except 1CD–FTV)



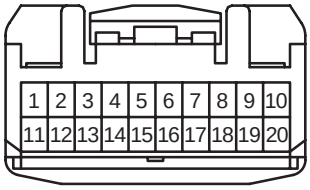
A13



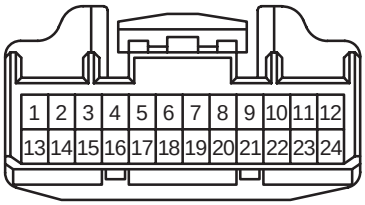
A14



A15



A16



A17
Black

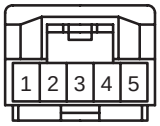
A18
Black

A19

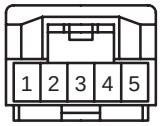
A20
Black

A21
Black

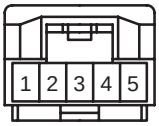
A22
Black



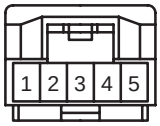
A23
Black



A24
Black

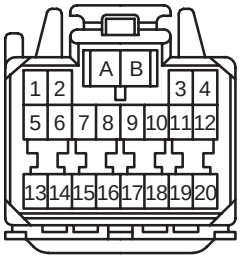


A25
Black

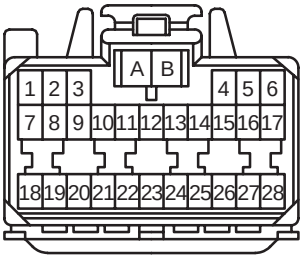


*1 : 2AD–FHV, 2AD–FTV
*2 : Except 2AD–FHV, 2AD–FTV

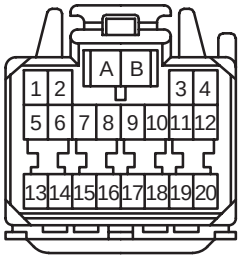
A26
Yellow



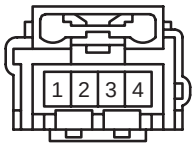
A27
Yellow



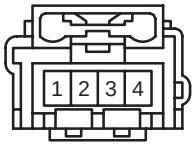
A28
Yellow



A29
Yellow



A30
Yellow



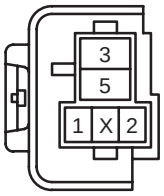
A31

A32

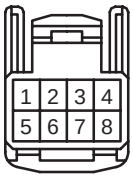
A33

A34
Gray

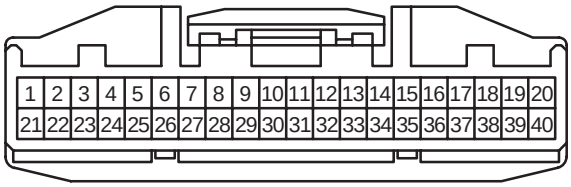
A35



A36



A37



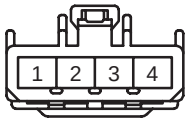
B 1
Gray

B 2
Black

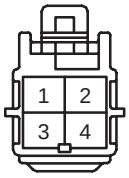
B 3
Black

B 4

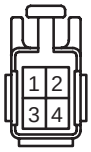
B 5
Black



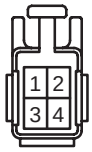
B 6
Black



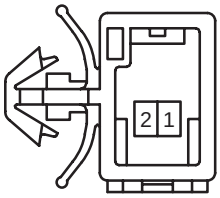
B 7
(L/B)



B 7
(W/G) Blue

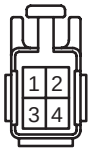


B 8

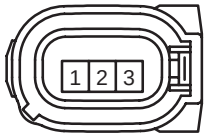


B 9
Gray

B10



B11
Black

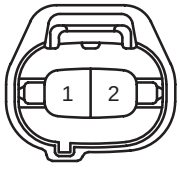


B12
Black

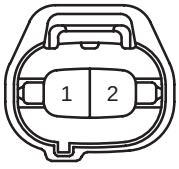
C 1
Black

C 2
Black

C 3
(*1) Black



C 3
(*2) Gray

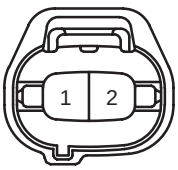


C 4

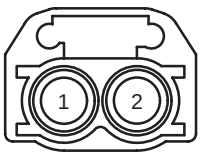
F CONNECTOR LIST

*1 : 2AD–FHV, 2AD–FTV
*3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE, 1ZZ–FE, 3ZZ–FE

C 5
Black



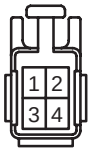
C 6
(1CD–FTV) Black



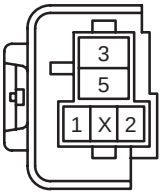
C 6
(*1) Gray

C 6
(*3) Gray

C 7
Black

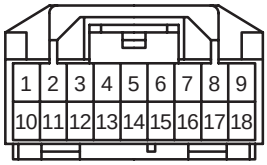


C 8

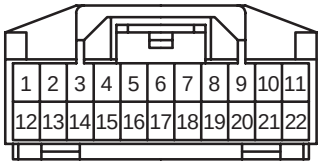


C 9

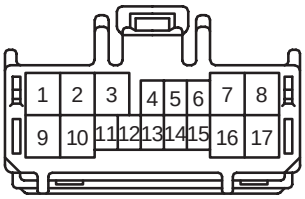
C10
Blue



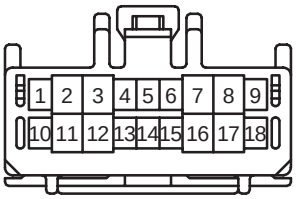
C11



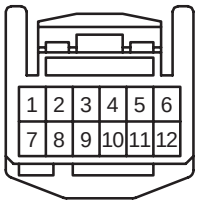
C12



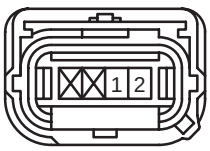
C13
Black



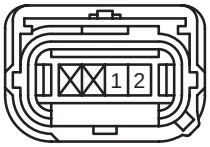
C14



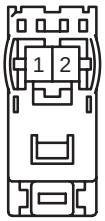
C15
Yellow



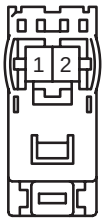
C16
Yellow



C17
Black

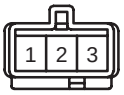


C18
Black



D 1
Black

D 2

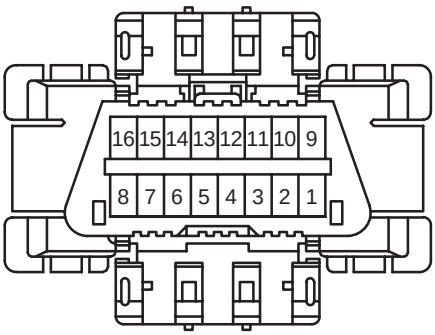


D 3
Black

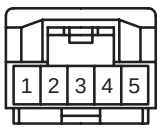
D 4
(1CD–FTV)

D 4
(Except 1CD–FTV)

D 5



D 6



D 7

*1 : 2AD–FHV, 2AD–FTV
*4 : 2AZ–FSE, 1AZ–FSE, 1ZZ–FE, 3ZZ–FE
*5 : 1CD–FTV, 2AD–FTV
*6 : 2AZ–FSE, 1AZ–FSE
*7 : 1CD–FTV, 2AD–FHV, 2AD–FTV

D 8

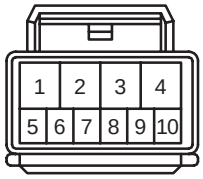
D 9

D10

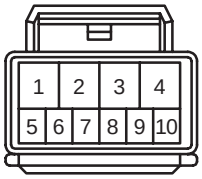
D11

D12

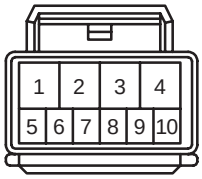
D13



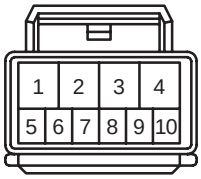
D14



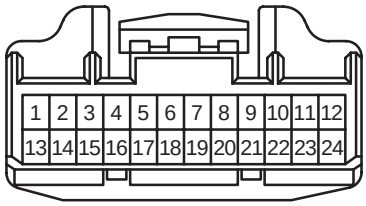
D15



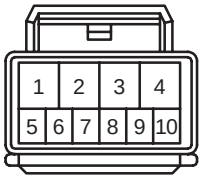
D16



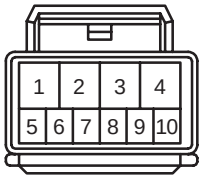
D17



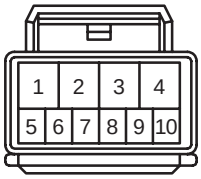
D18



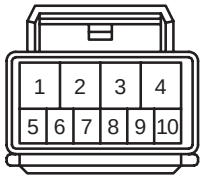
D19



D20

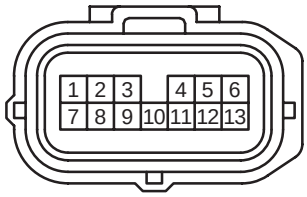


D21

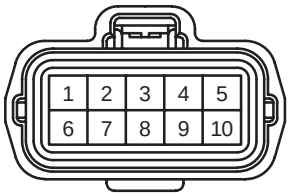


D22
Black

E 1
(2AZ–FSE) Gray



E 1
(Except 2AZ–FSE) Gray



E 2
(1AZ–FE) Gray

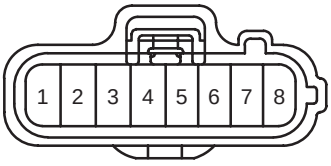
E 2
(1CD–FTV) Gray

E 2
(*1) Gray

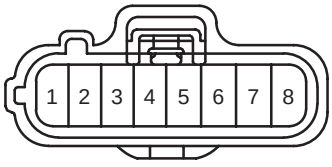
E 2
(*4) Gray

E 3
Black

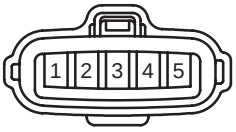
E 4
Black



E 5
(*5) Dark Gray



E 5
(*6) Black



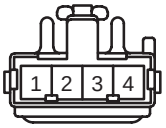
E 6
Black

E 7
(*7) Gray

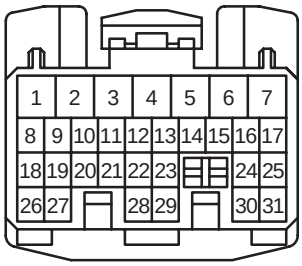
E 7
(2AZ–FSE) Gray

F CONNECTOR LIST

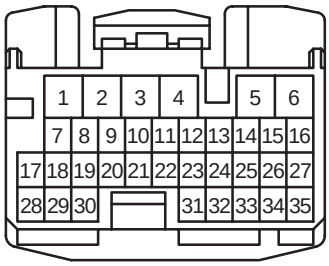
E 8
Black



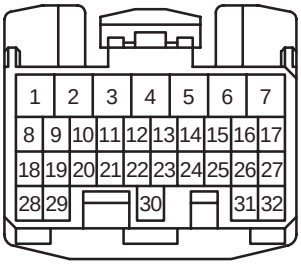
E 9



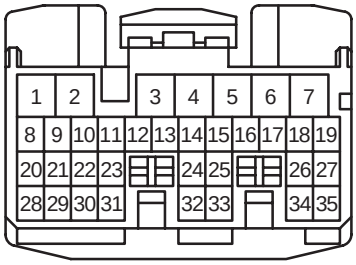
E10



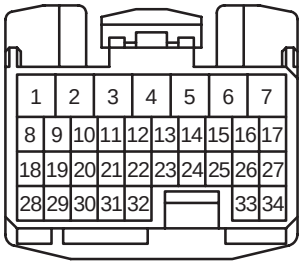
E11



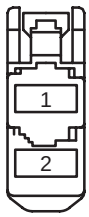
E12



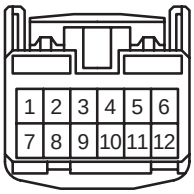
E13



E14
Gray

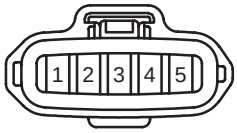


E15



E16
Black

E18
Black

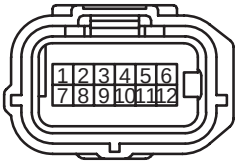


E19
Gray

E20
Dark Gray

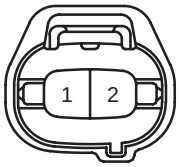
E21
Gray

E22
Black

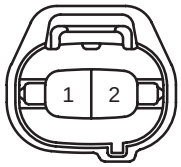


E23
Black

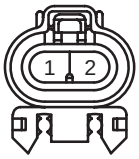
F 1
Black



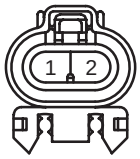
F 2
Black



F 3
Brown



F 4
Brown



F 5
Gray

F 6
Gray

F 7

F 8

F 9

F10

F11
Black

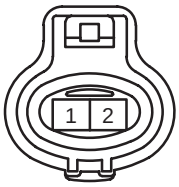
F12
Black

F13
Gray

*6 : 2AZ–FSE, 1AZ–FSE
*8 : 1CD–FTV, 2AD–FHV

F14
Gray

F15
Gray



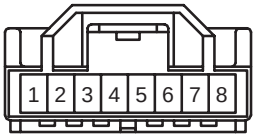
F16
(*8) Black

F16
(*6) Gray

F17
Black

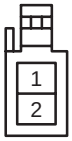
F18
Gray

F19

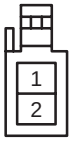


F20
Black

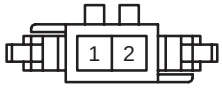
F21
Black



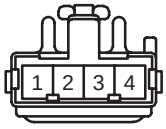
F22
Black



F23
Black



F24

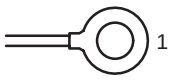


F25
Gray

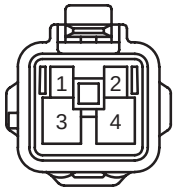
F26
Dark Gray

F28
Black

G 1



G 2
Gray



G 3
Black

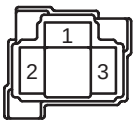
H 1
Gray

H 2
Gray

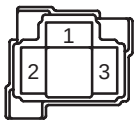
H 3
Black

H 4
Black

H 5



H 6



H 7
(1ZZ–FE, 3ZZ–FE) Gray

H 7
(*6) Gray

H 8
Black

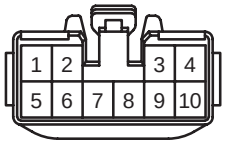
H 9
Gray

H10
Black

H11
Black

H12
Black

H13
Black

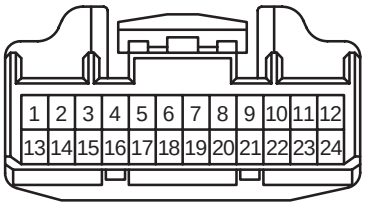


F CONNECTOR LIST

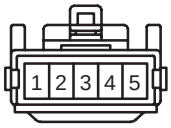
*6 : 2AZ–FSE, 1AZ–FSE

*9 : 1AZ–FE, 1ZZ–FE, 3ZZ–FE, 1CD–FTV

H14



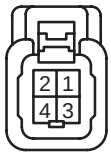
H15



H16
Black

H17
(w/ HID) Gray

H17
(w/o HID) Gray

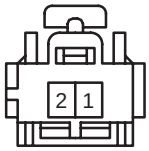


H18
Black

H19
Black

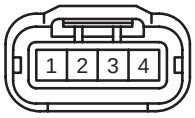
H20
(L/B)

H20
(S/D) Gray

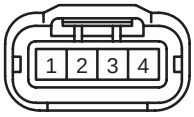


H20
(W/G) Black

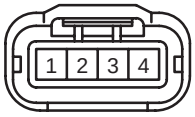
I 1
Black



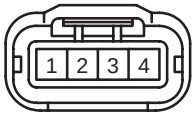
I 2
Gray



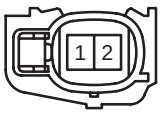
I 3
Black



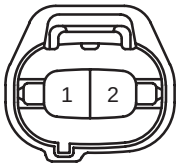
I 4
Gray



I 5
(*9) Black



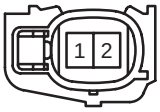
I 5
(2AD–FHV) Black



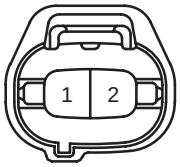
I 5
(2AD–FTV) Black

I 5
(*6) Black

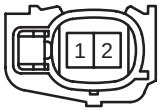
I 6
(*9) Gray



I 6
(2AD–FHV) Gray

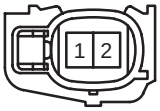


I 6
(2AD–FTV) Gray

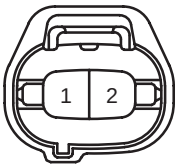


I 6
(*6) Gray

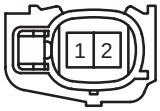
I 7
(*9) Black



I 7
(2AD–FHV) Black

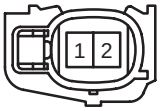


I 7
(2AD–FTV) Black

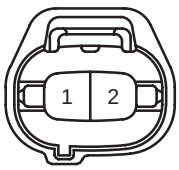


I 7
(*6) Black

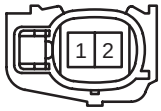
I 8
(*9) Gray



I 8
(2AD–FHV) Gray



I 8
(2AD–FTV) Gray

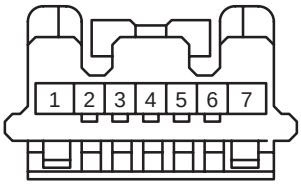


I 8
(*6) Gray

I 9
Gray

I10
Black

I11
Black



I12
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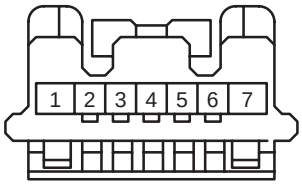
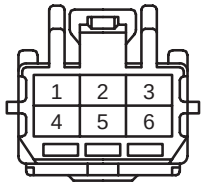
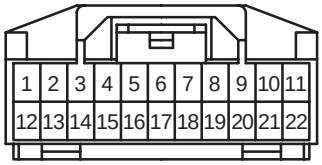


I13



I14



I15
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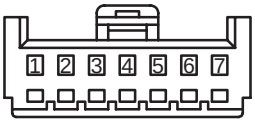
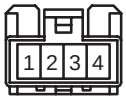


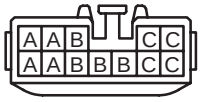
I16



I17
Black

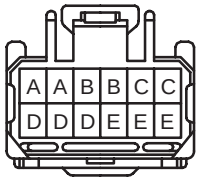
I18
Black

J 1
Gray

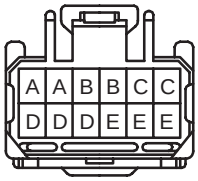


J 2
Black

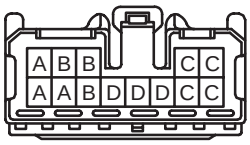
J 3



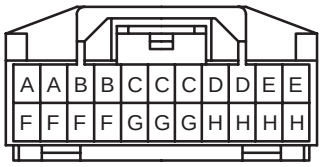
J 4



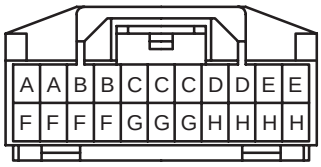
J 5



J 6



J 7



J 8
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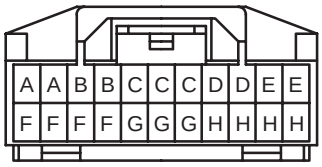
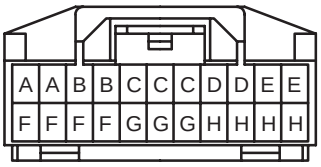
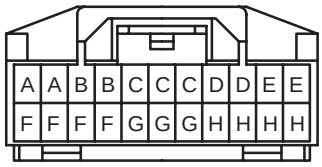


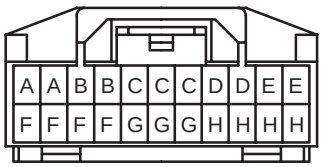
J 9
Black



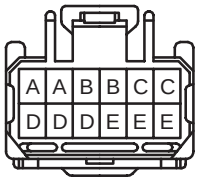
J10
Gray



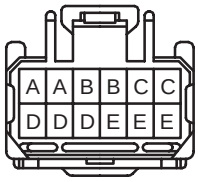
J11
Gray



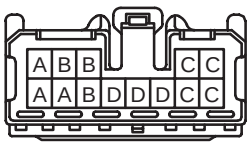
J12



J13

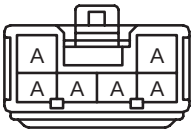


J14

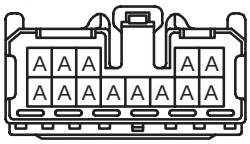


F CONNECTOR LIST

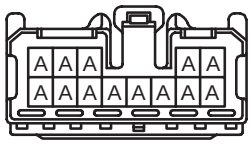
J15



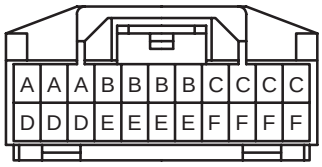
J16



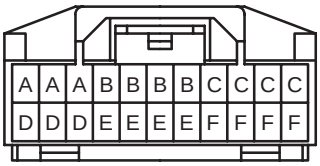
J17



J18



J19



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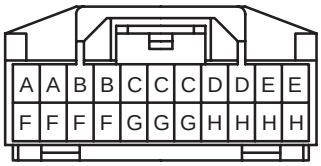

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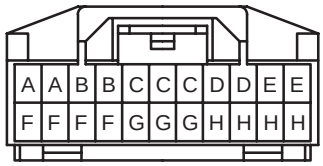

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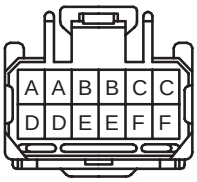

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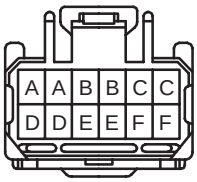

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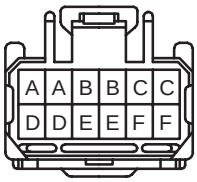

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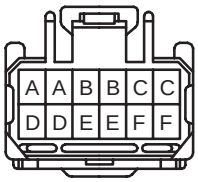

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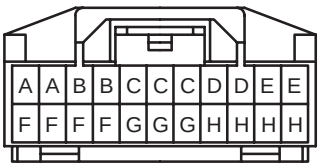

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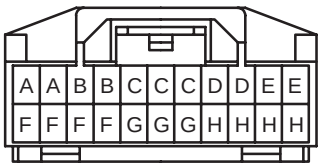

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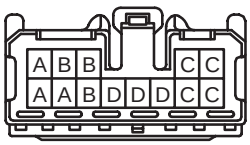
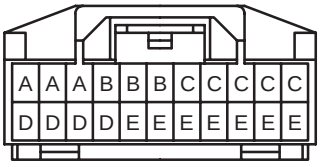


J29



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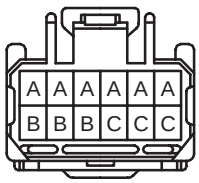
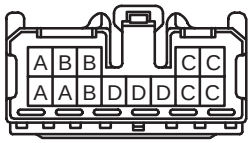


J31

J32



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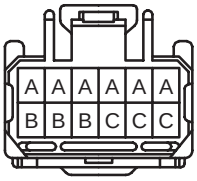

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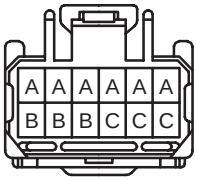
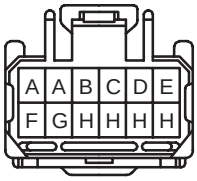
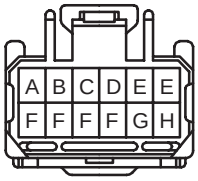


J35

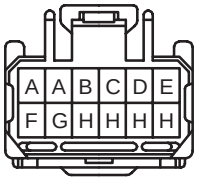


J36



*10 : w/ Navigation System (Map Type)
*11 : w/o Navigation System (Map Type)

J37



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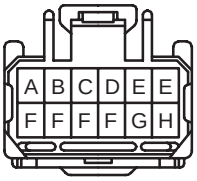
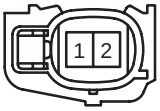
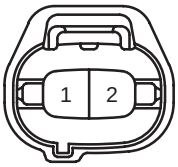


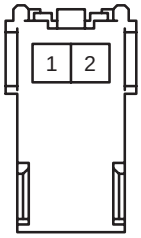
K 1
Black



K 2
Black



K 3
Yellow

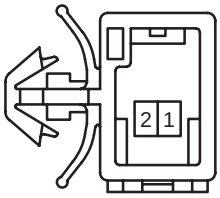


L 1
Black

L 2
Black

L 3
Black

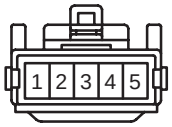
L 4



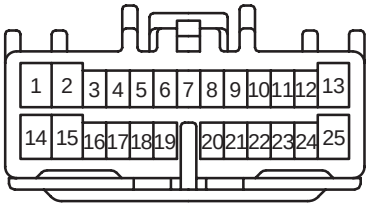
L 5

L 6

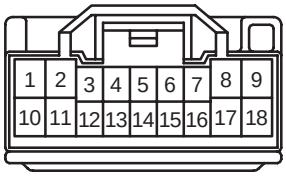
L 7



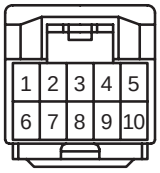
M 1
(*10)



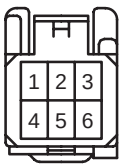
M 1
(*11)



M 2
(*10)

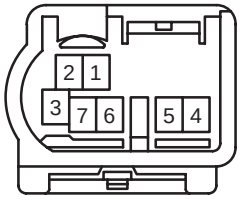


M 2
(*11)

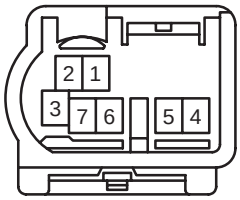


M 3

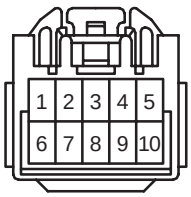
M 4



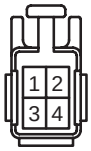
M 5



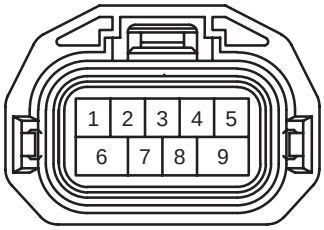
M 6
Gray



M 7

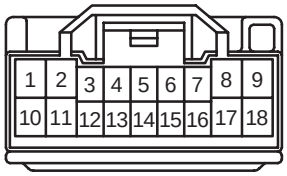


N 1
Gray



N 2
Gray

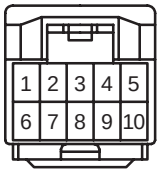
N 3



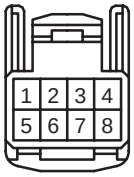
F CONNECTOR LIST

*12 : Power Heater (Combustion Type)
*13 : Power Heater (Hot Gas Type)

N 4



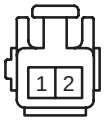
N 5



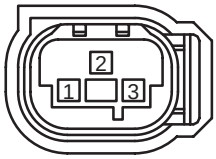
N 6

N 7

N 8



O 1
Black



O 2
Gray

P 1
Black

P 2
Black

P 3
Gray

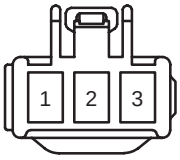
P 4
Black

P 5
(*12) Gray

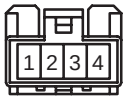
P 5
(*13)

P 6
Black

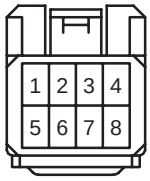
P 7



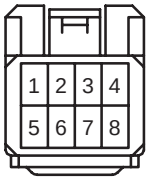
P 8



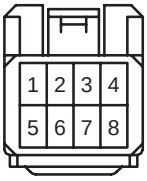
P 9



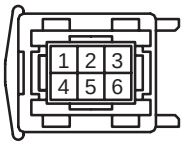
P10



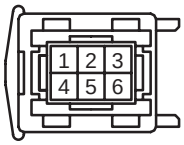
P11



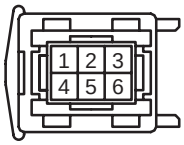
P12
Gray



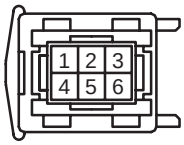
P13
Gray



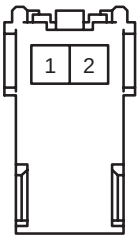
P14
Gray



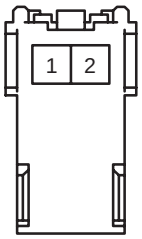
P15
Gray



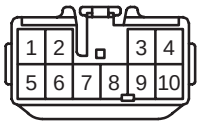
P16
Yellow



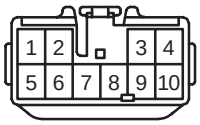
P17
Yellow



P18
Black



P19
Black



P20

P21
Black

P22

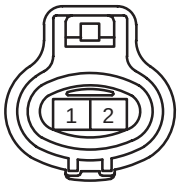
P23
Blue

P24

P25
Blue

P26
Black

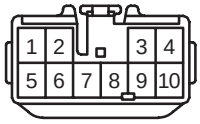
R 1
Gray



R 2
Black

R 3
Red

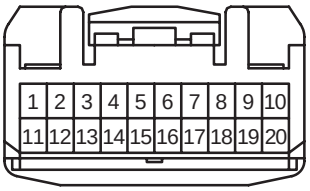
R 4



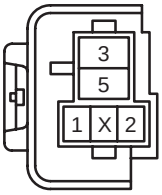
R 5

R 6

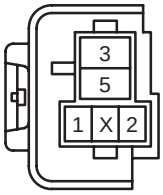
R 7



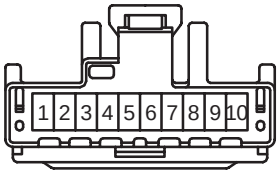
R 8



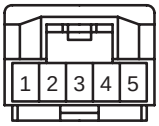
R 9



R10

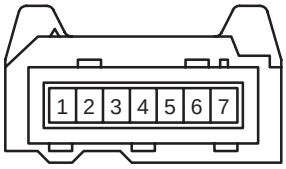


R11

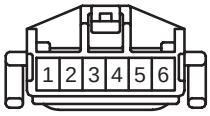


R12
Black

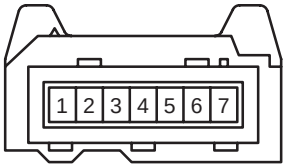
R13
(Except W/G) Black



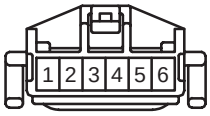
R13
(W/G)



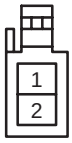
R14
(Except W/G) Black



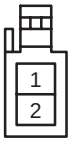
R14
(W/G)



R15
Black



R16
Black



R17

R18
(L/B)

R18
(S/D, W/G)

R19
(L/B)

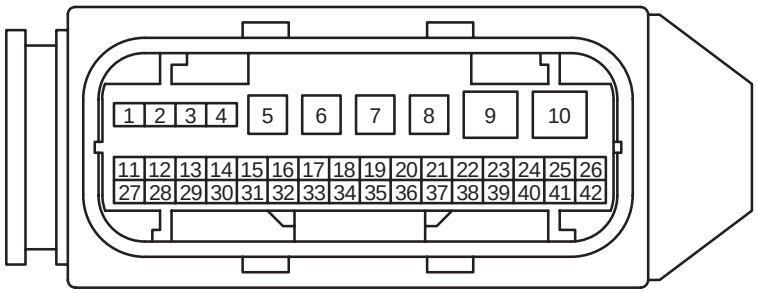
R19
(S/D)

R19
(W/G)

R20
Black

R21
Black

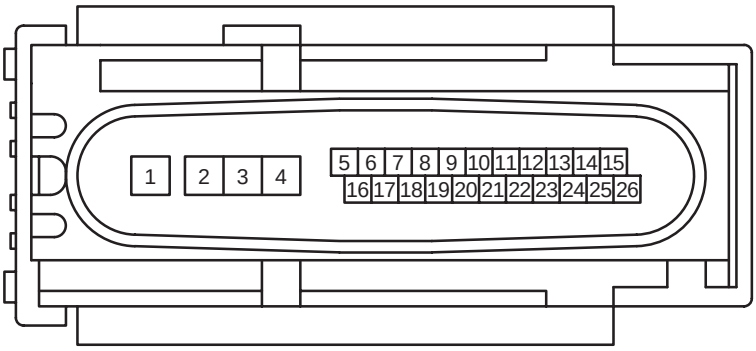
S 1
Black



F CONNECTOR LIST

*1 : 2AD–FHV, 2AD–FTV
*14 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
*15 : Except LHD 1AZ–FE
*16 : w/ Curtain Shield Airbag
*17 : w/o Curtain Shield Airbag

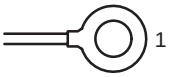
S 2
Black



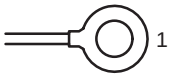
S 3
Gray

S 4
Black

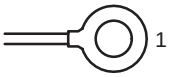
S 5
(1CD–FTV)



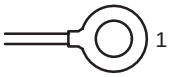
S 5
(1ZZ–FE, 3ZZ–FE)



S 5
(*1)

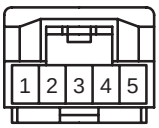


S 5
(*14)



S 6
Gray

S 7
Black



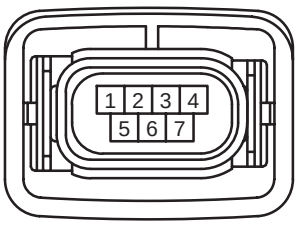
S 8
Black

S 9

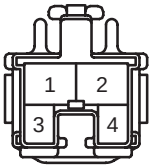
S10
Black

S11
Black

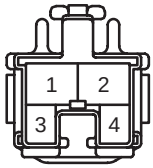
S12
Black



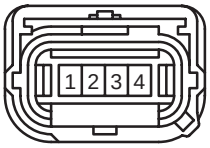
S13
(*15)



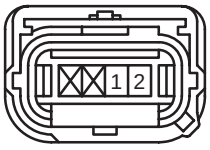
S13
(LHD 1AZ–FE) Black



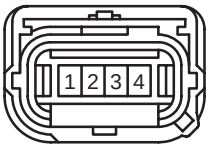
S14
(*16) Yellow



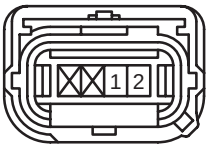
S14
(*17) Yellow



S15
(*16) Yellow

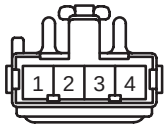


S15
(*17) Yellow



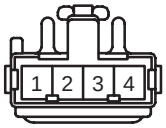
S16
(w/ Power Seat) Gray

S16
(w/o Power Seat)



S17
(w/ Power Seat) Gray

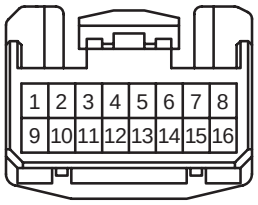
S17
(w/o Power Seat)



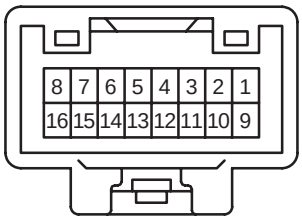
S18
Yellow

S19
Yellow

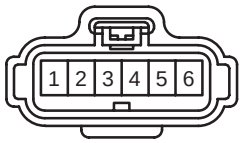
S20



S21



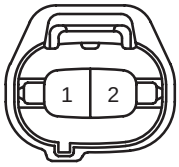
T 1
Black



T 2
Black

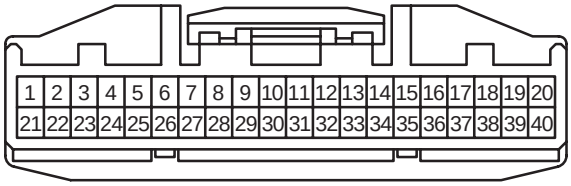
T 3
Gray

T 4
Black

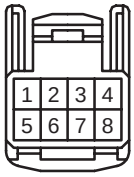


T 5
Black

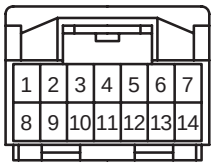
T 6



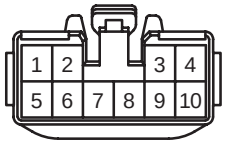
T 7



T 8

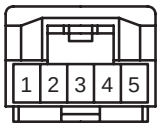


T 9
Black

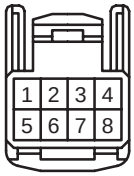


T10
Black

T11



T12

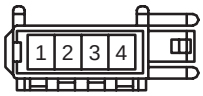


T13

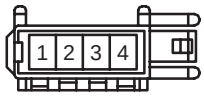
T14
Black

T15
Black

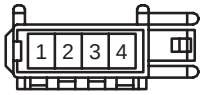
T16



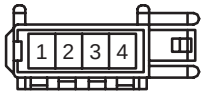
T17



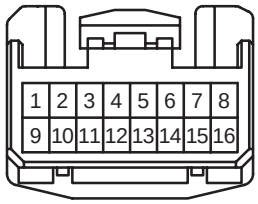
T18



T19

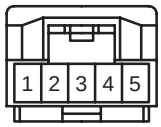


T20



T21

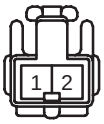
T22



F CONNECTOR LIST

*1 : 2AD–FHV, 2AD–FTV

U 1
Black



V 1
Black

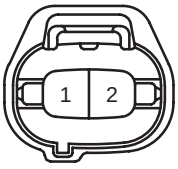
V 2
Black

V 3
Black

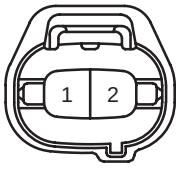
V 4
(1CD–FTV) Black

V 4
(*1) Black

V 5
Blue



V 6
Brown

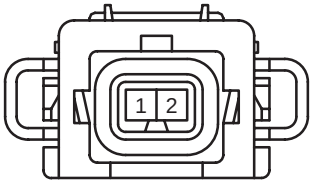


V 7
Black

V 8

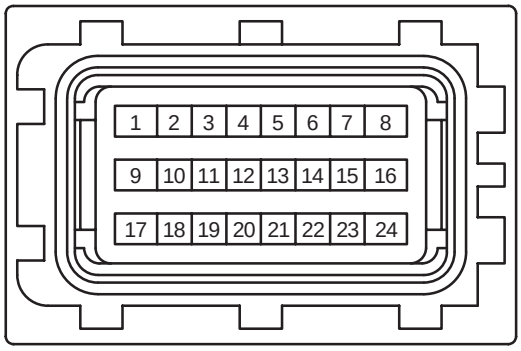
V 9

V10
Black

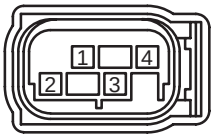


W 1

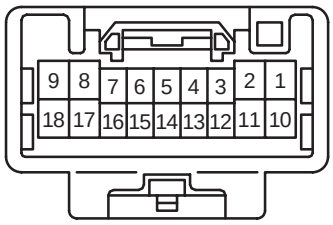
W 2
Black



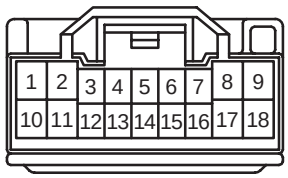
Y 1
Black



Z 1

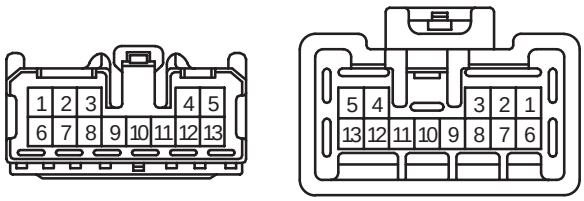


Z 2

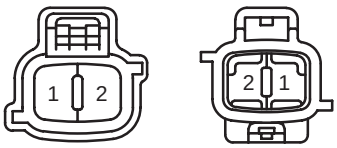


F CONNECTOR LIST

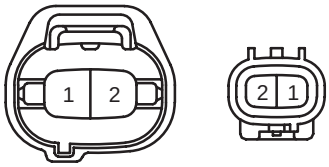
(Gasoline) **EA1**



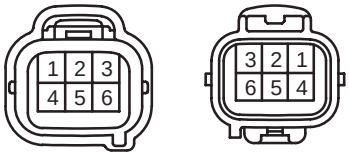
(Diesel) **EA1** Gray



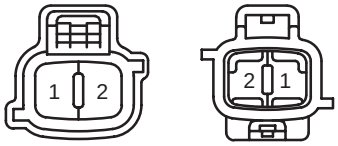
(1ZZ–FE, 3ZZ–FE) **EB1** Gray



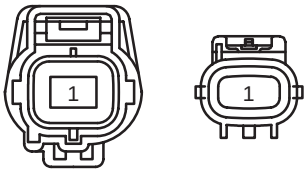
(1CD–FTV) **EB1** Black



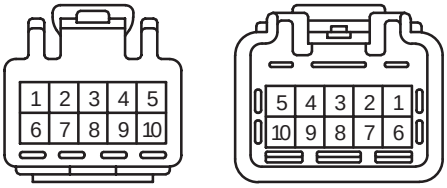
EC1 Gray



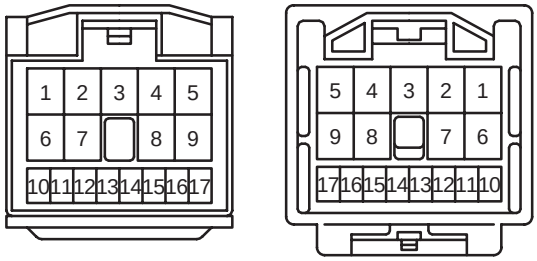
ED1 Black



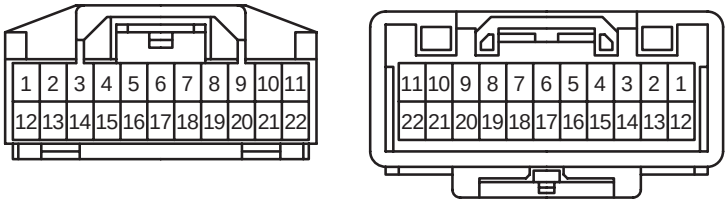
EE1



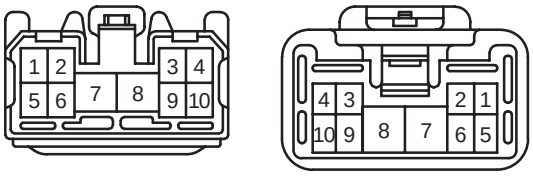
IA1



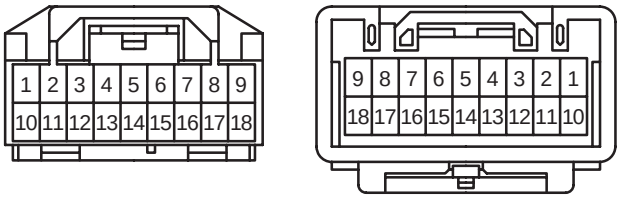
IA2



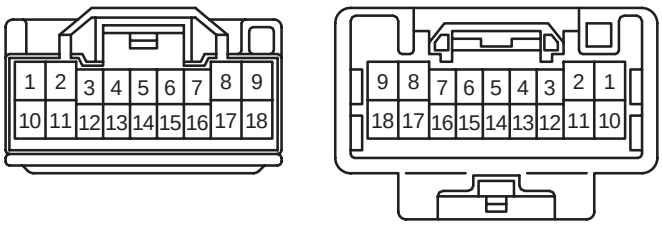
IB1



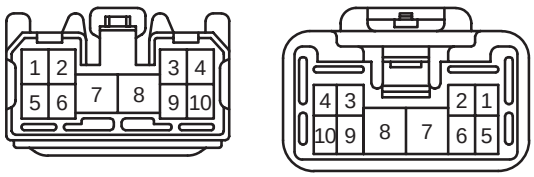
IC1



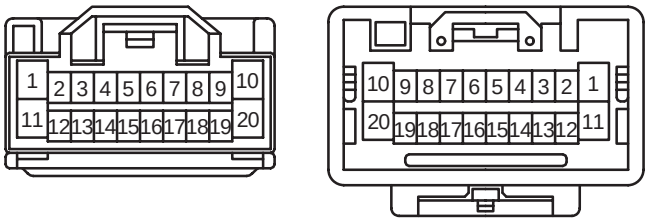
IC2



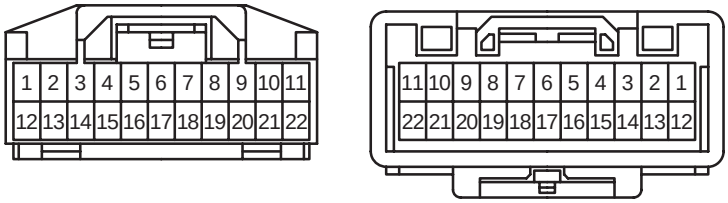
IC3



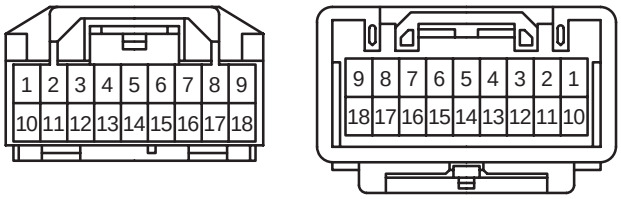
ID1



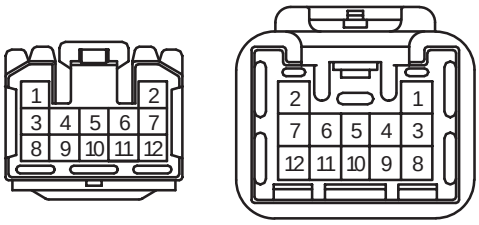
IE1



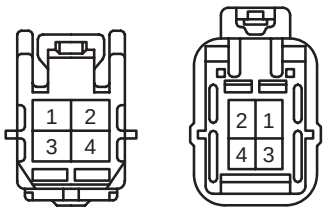
IE2



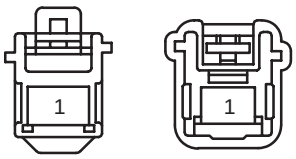
IE3



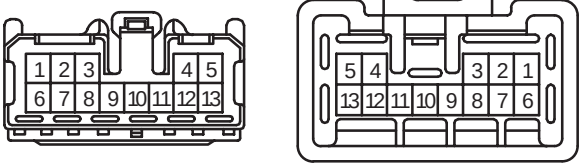
IE4



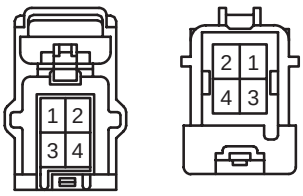
IE5



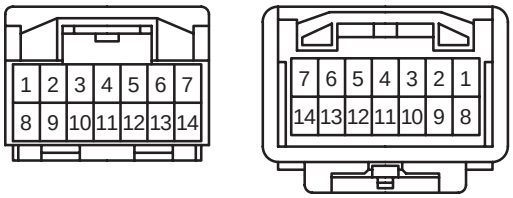
IE6



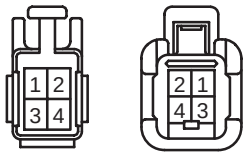
IE7 Yellow



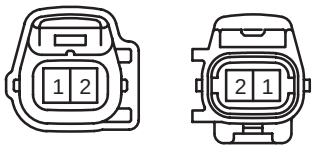
IE8



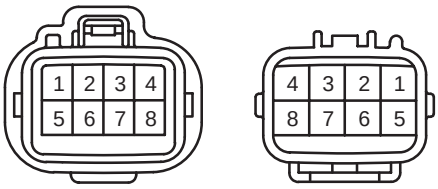
IF1 Black



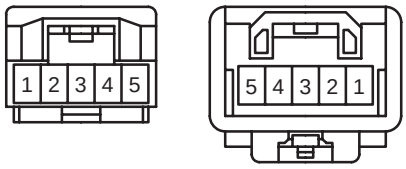
IG1 Black



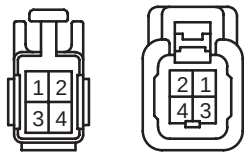
IG2 Black



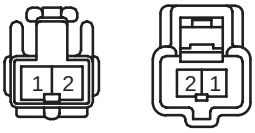
IH1



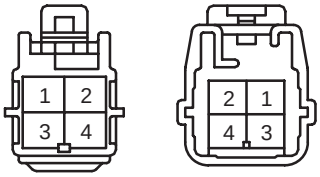
IH2 Gray



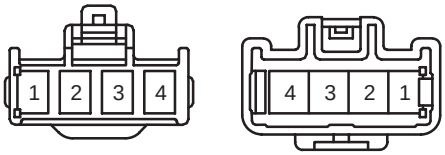
II1



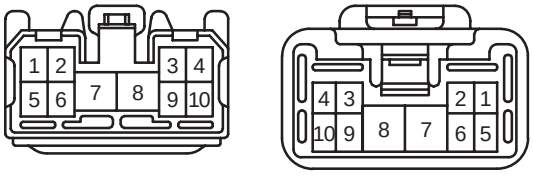
IJ1 Black



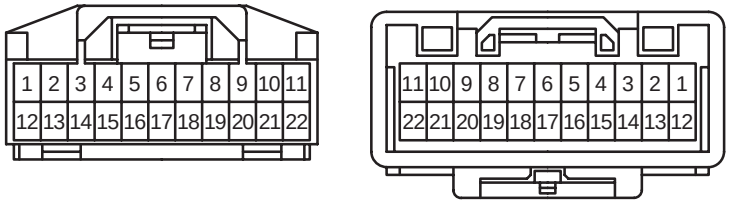
IJ2 Black

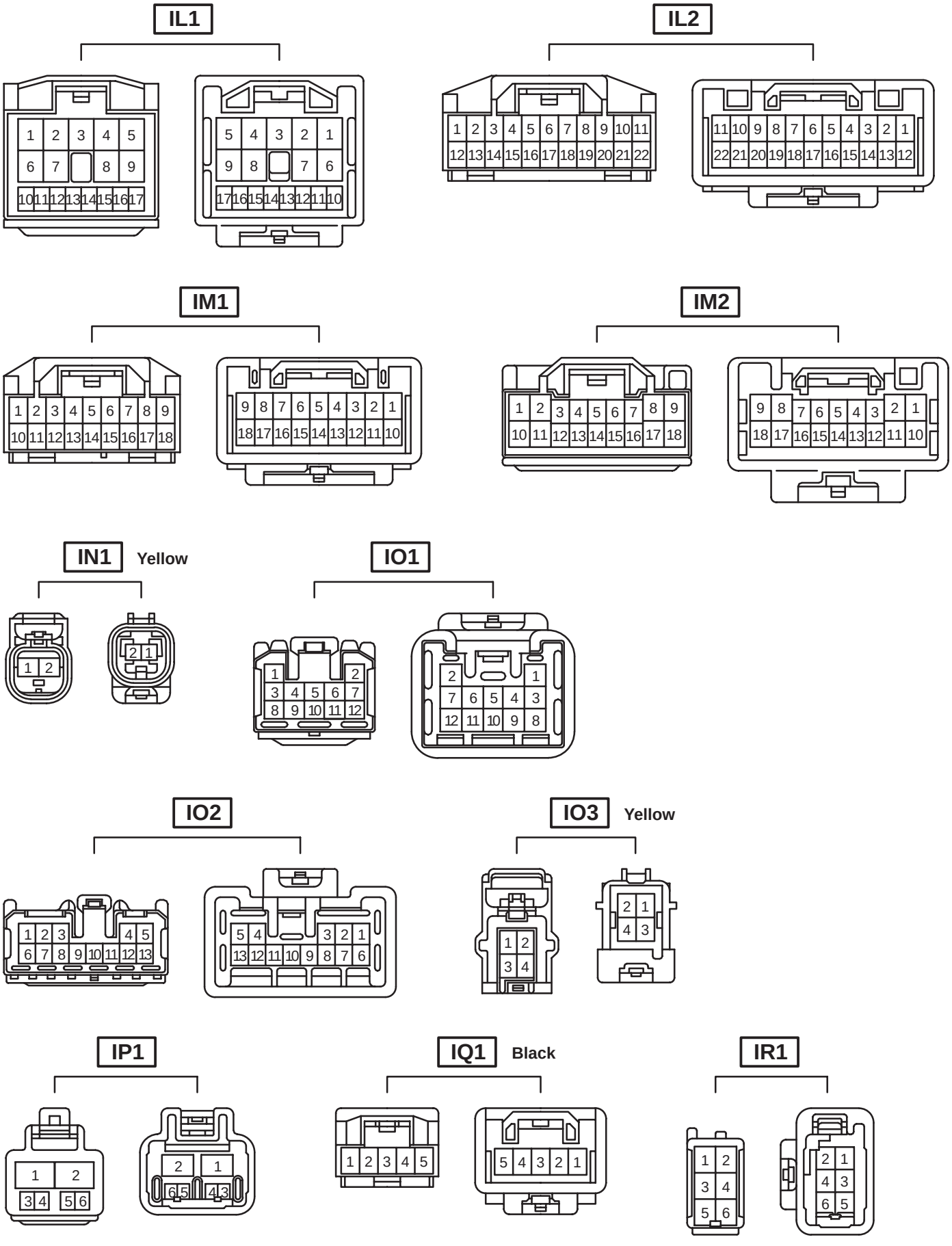


IK1



IK2




IL1
1 2 3 4 5
6 7 8 9
10 11 12 13 14 15 16 17
5 4 3 2 1
9 8 7 6
17 16 15 14 13 12 11 10
IL2
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
11 10 9 8 7 6 5 4 3 2 1
22 21 20 19 18 17 16 15 14 13 12
IM1
1 2 3 4 5 6 7 8 9
10 11 12 13 14 15 16 17 18
9 8 7 6 5 4 3 2 1
18 17 16 15 14 13 12 11 10
IM2
1 2 3 4 5 6 7 8 9
10 11 12 13 14 15 16 17 18
9 8 7 6 5 4 3 2 1
18 17 16 15 14 13 12 11 10
IN1 Yellow
1 2
2 1
IO1
1 2
3 4 5 6 7
8 9 10 11 12
2 1
7 6 5 4 3
12 11 10 9 8
IO2
1 2 3 4 5
6 7 8 9 10 11 12 13
5 4 3 2 1
13 12 11 10 9 8 7 6
IO3 Yellow
1 2
3 4
2 1
4 3
IP1
1 2
3 4 5 6
2 1
6 5 4 3
IQ1 Black
1 2 3 4 5
5 4 3 2 1
IR1
1 2
3 4
5 6
2 1
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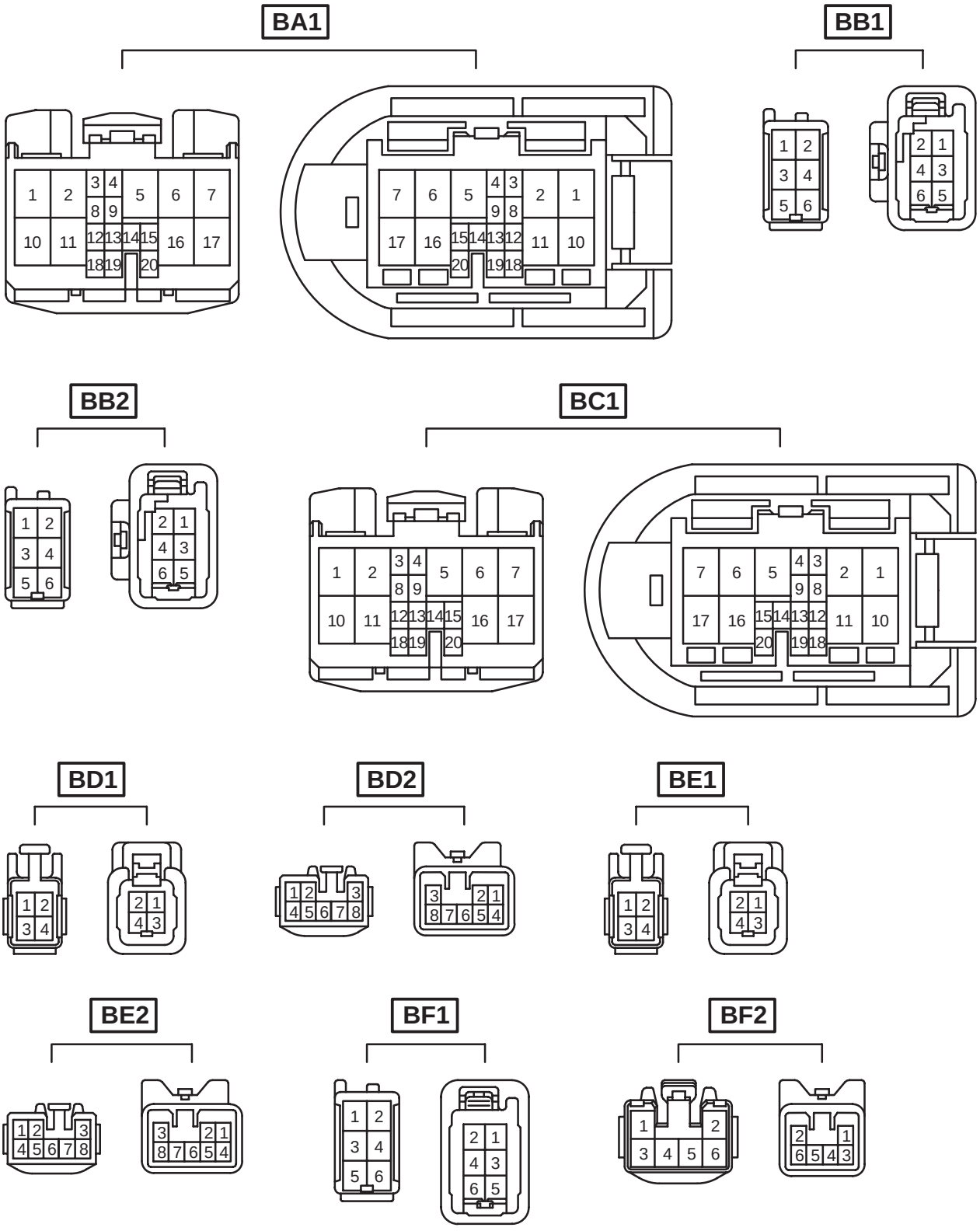
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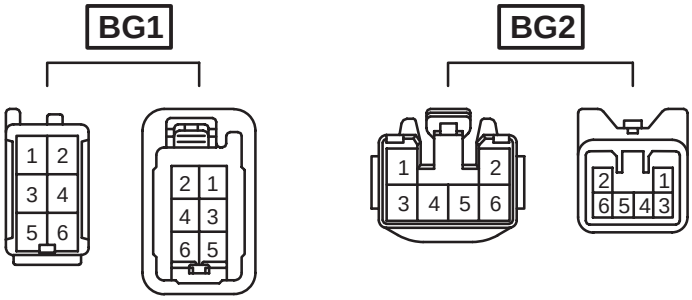
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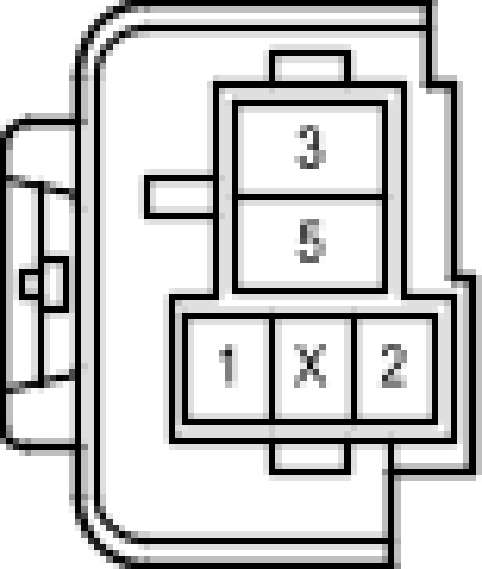
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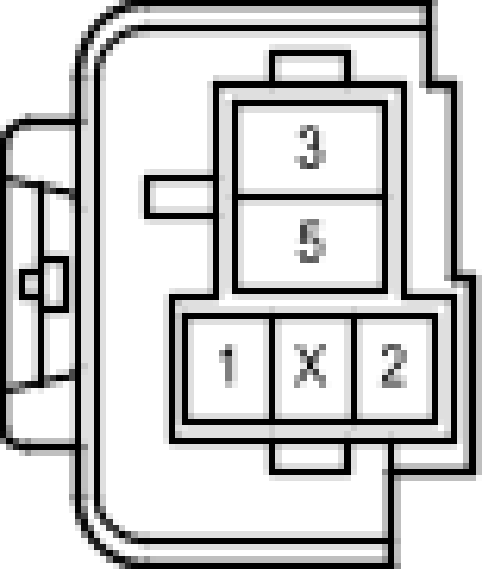
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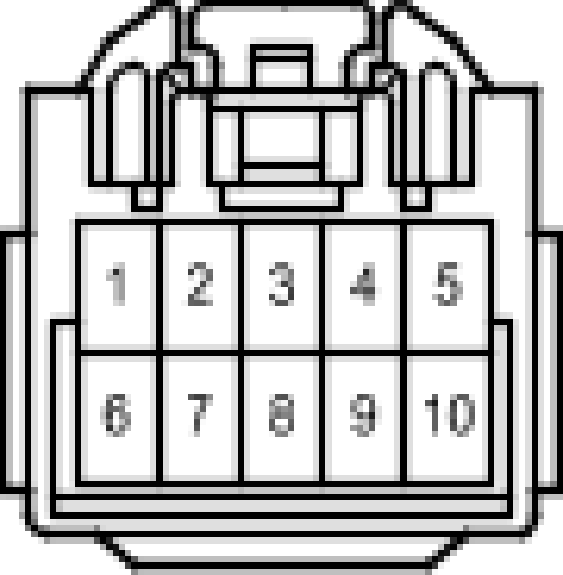
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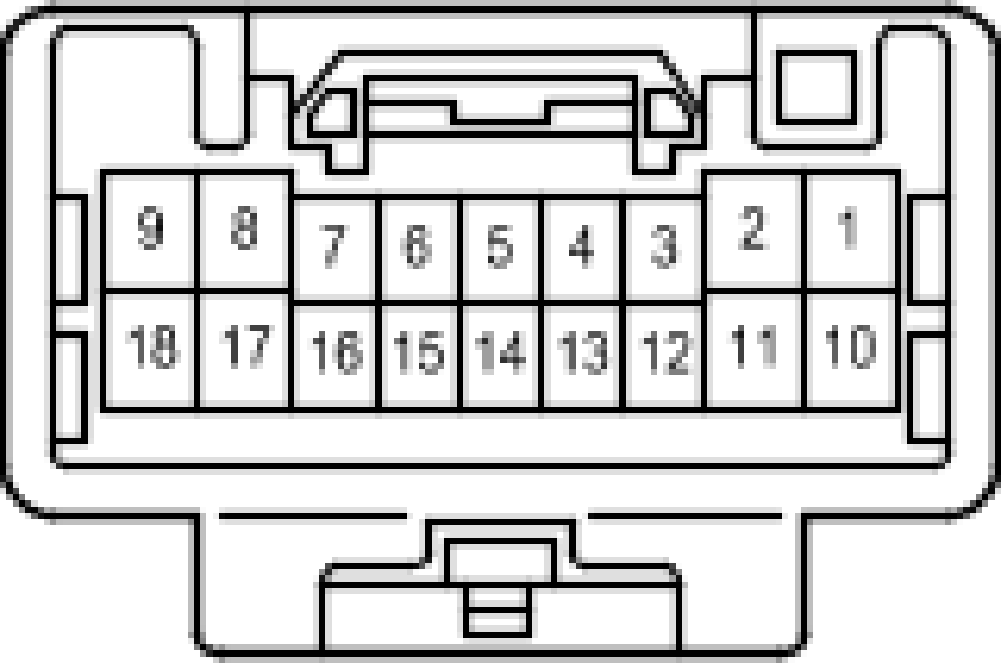
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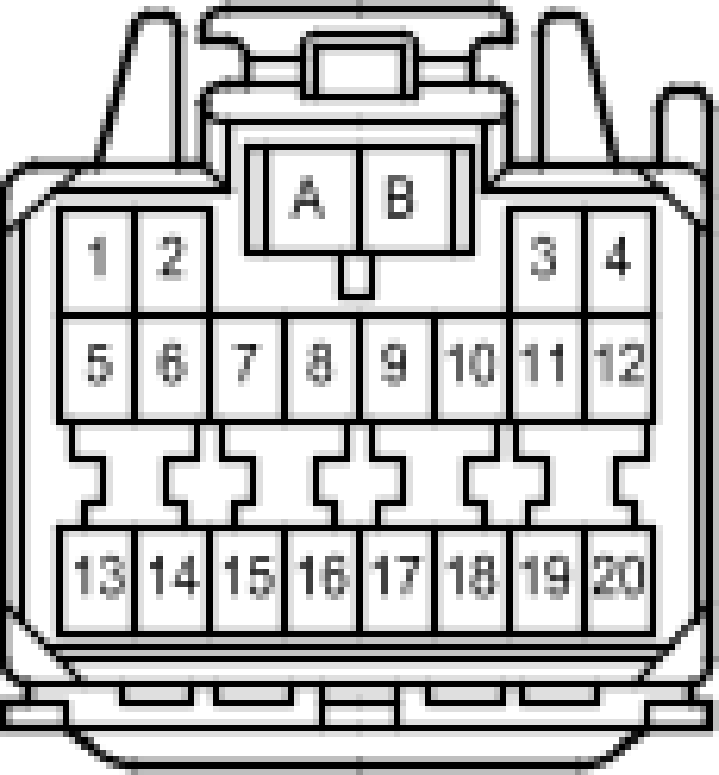
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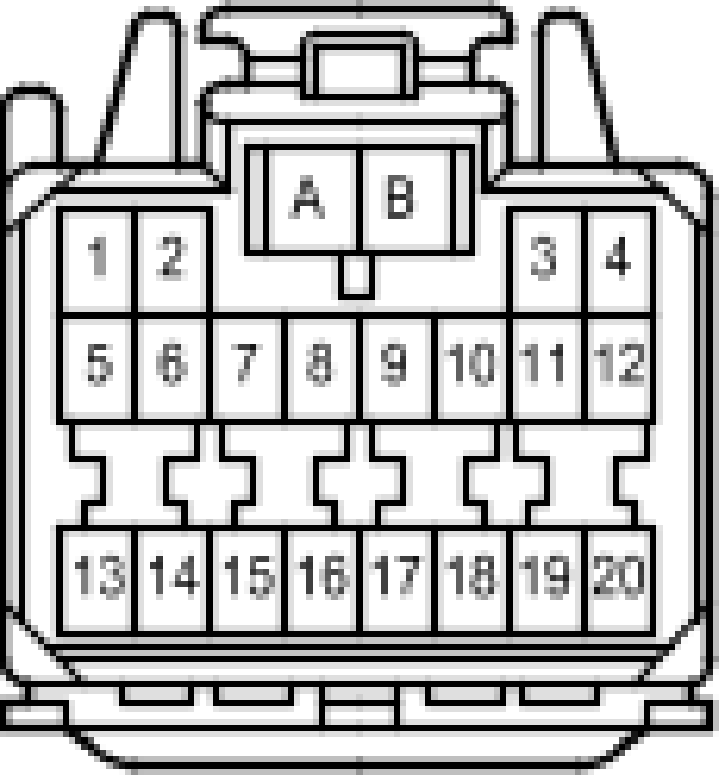
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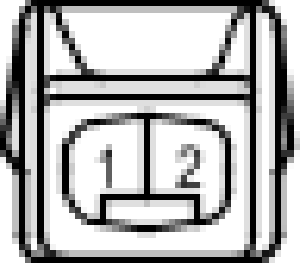
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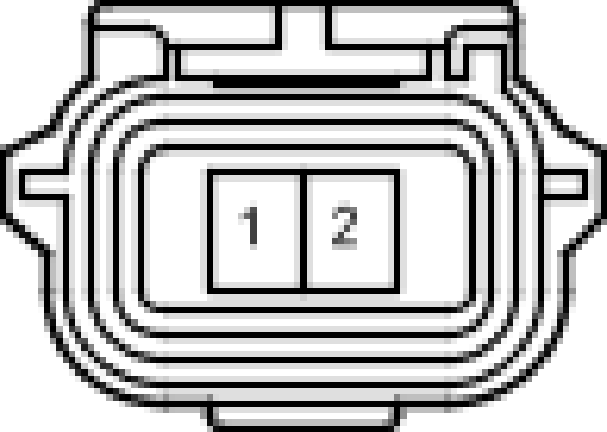
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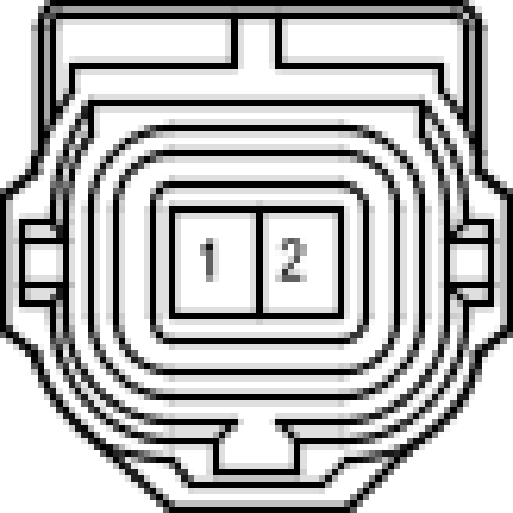
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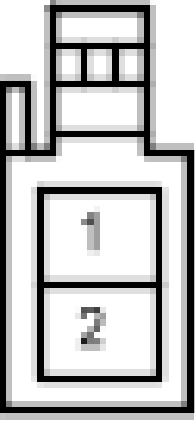
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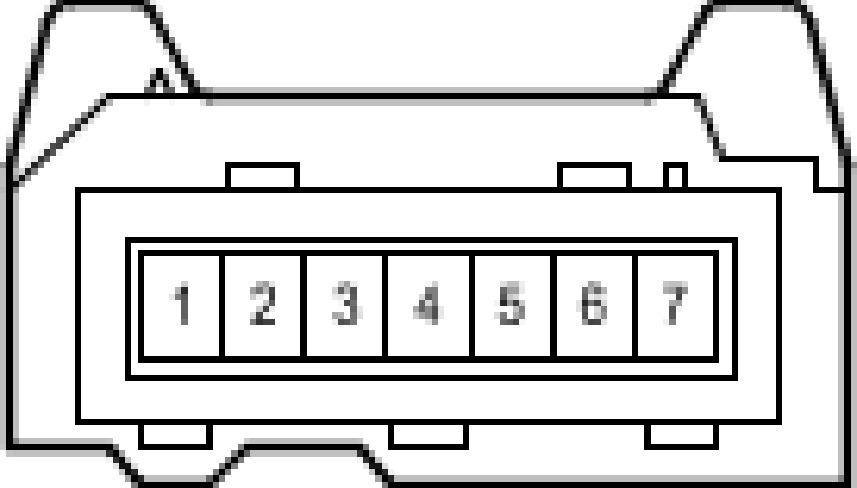
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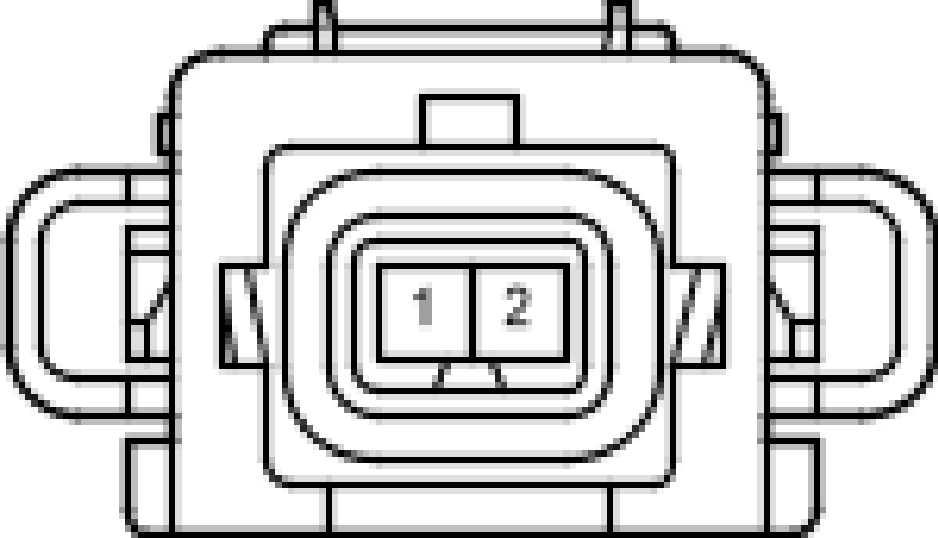
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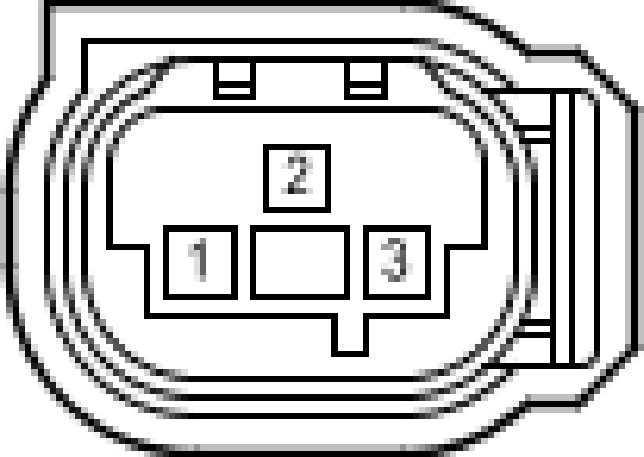
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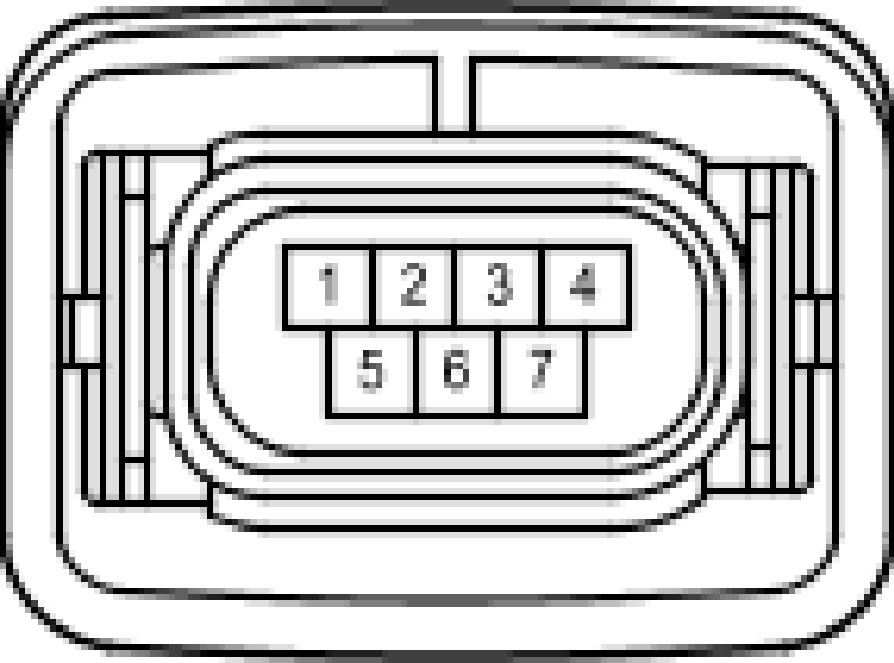
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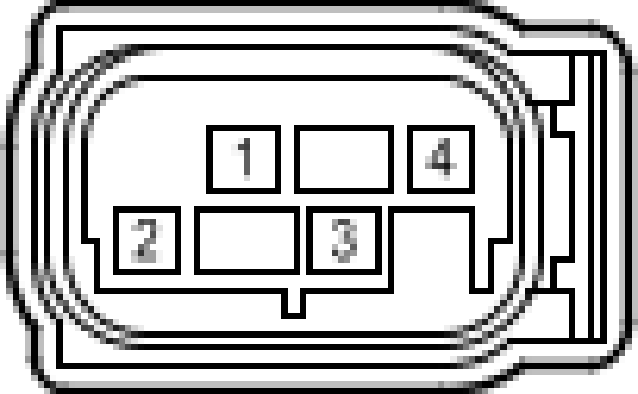
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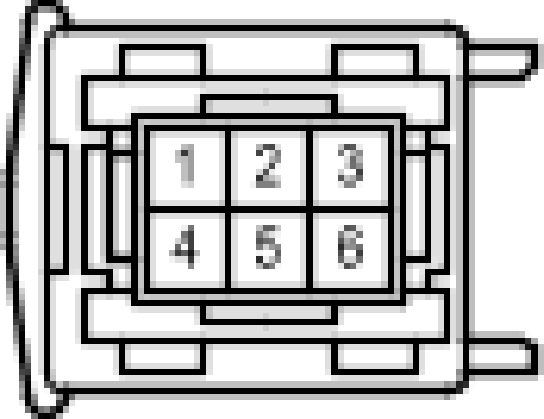
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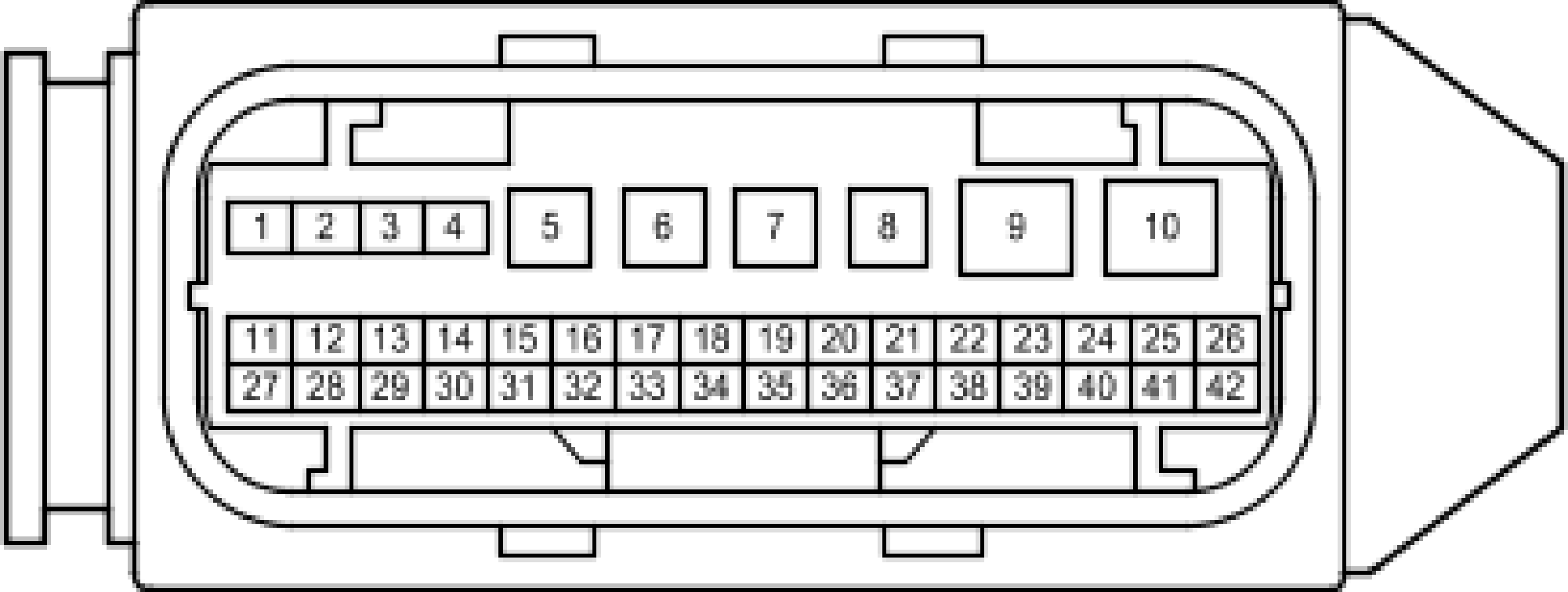
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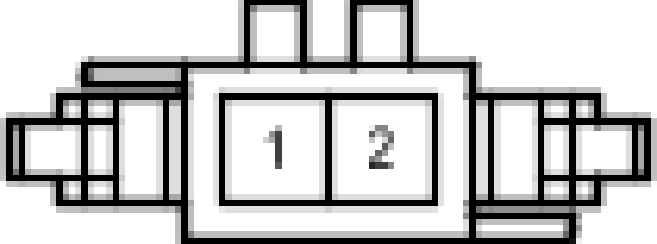
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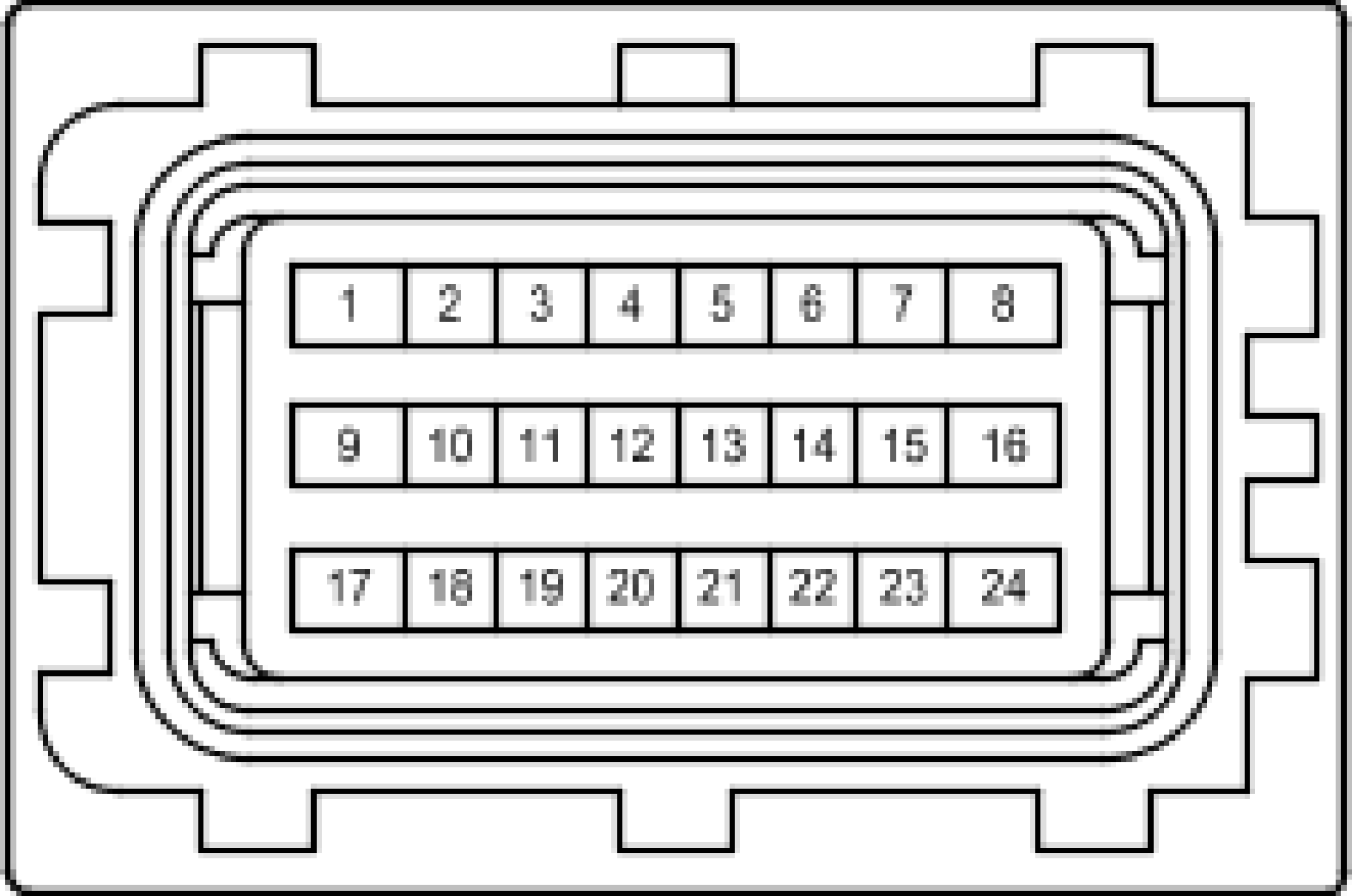
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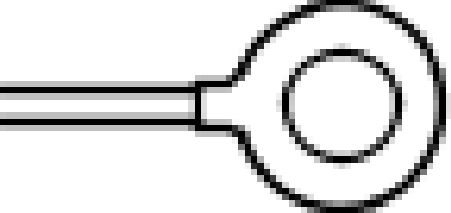

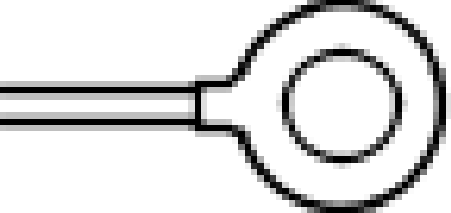

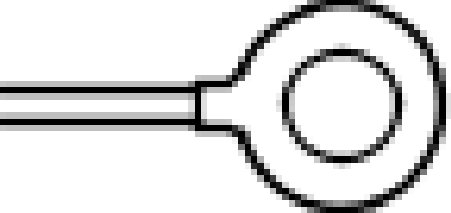

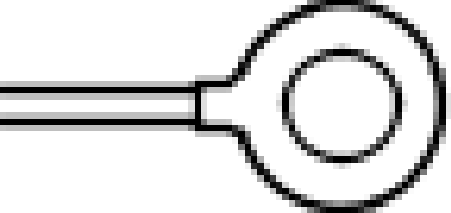

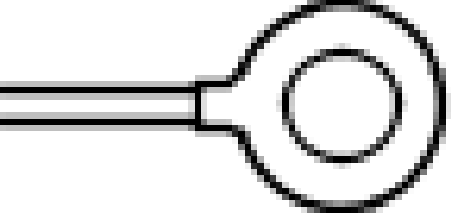

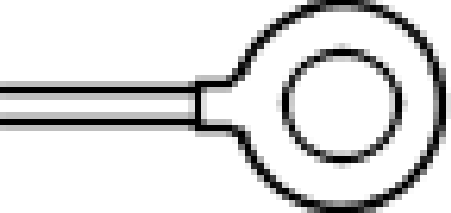

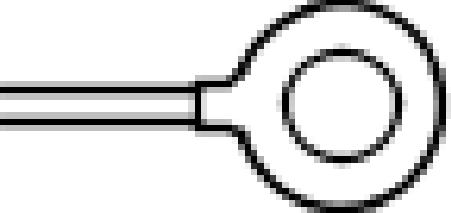

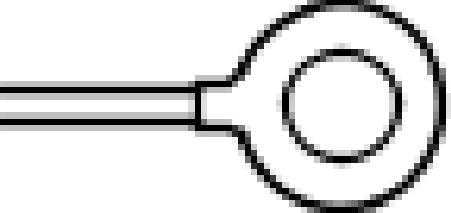

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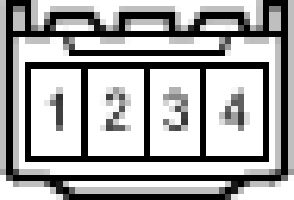
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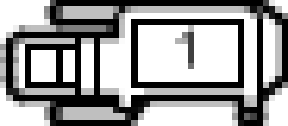
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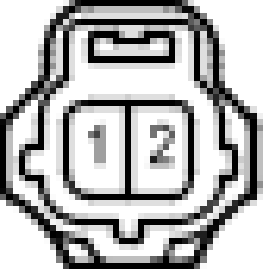
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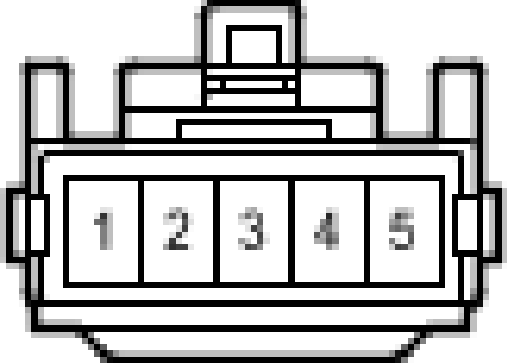
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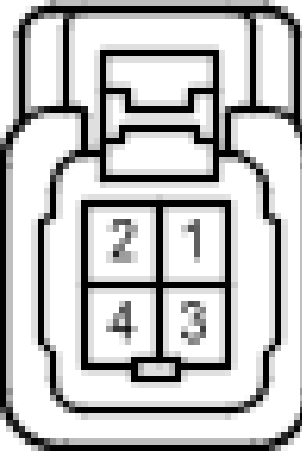
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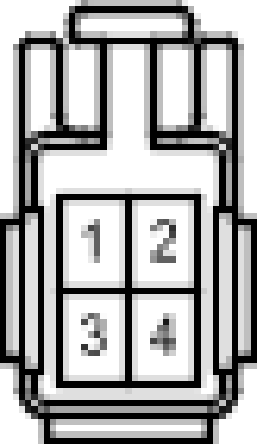
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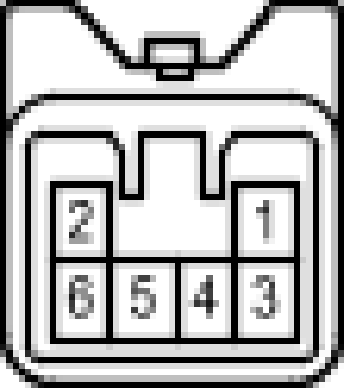
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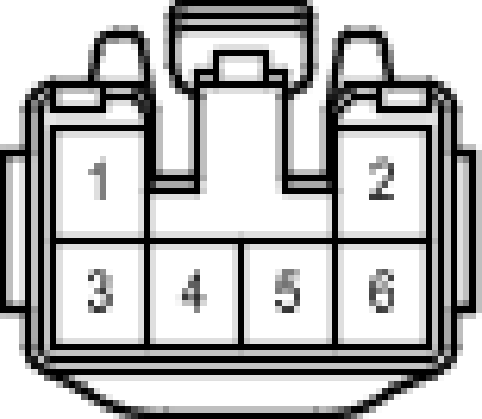
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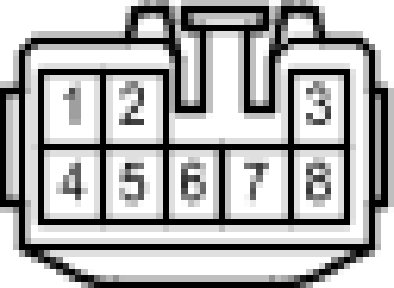
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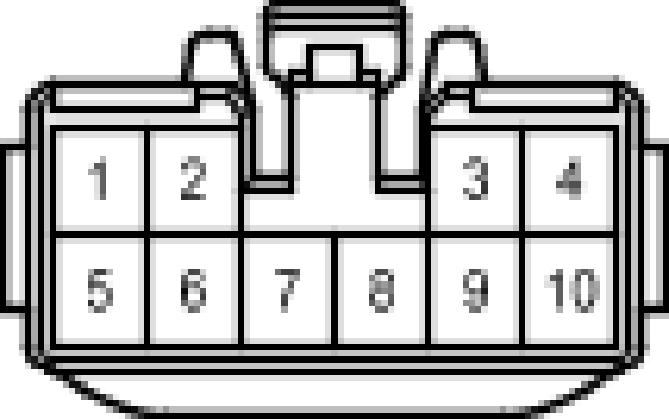
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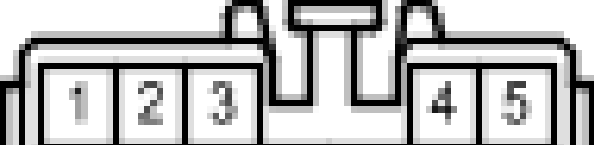
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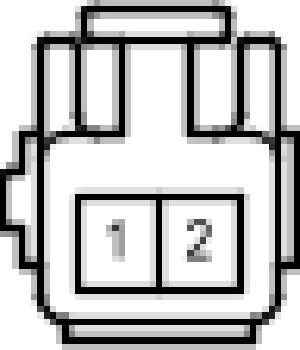
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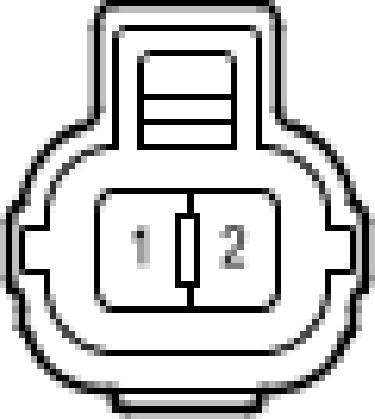
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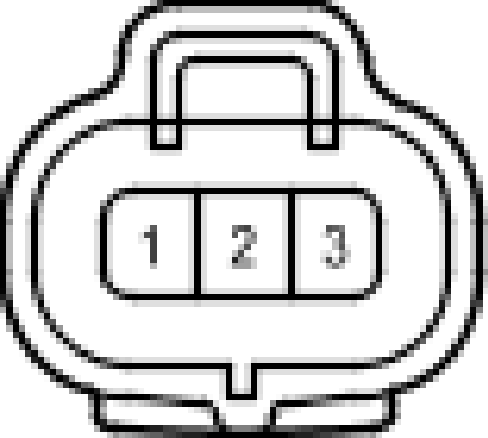
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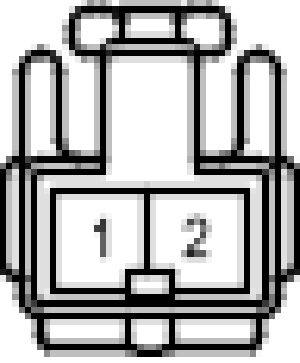
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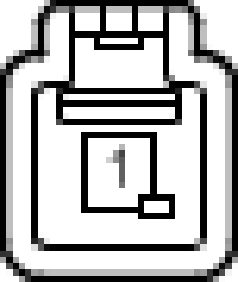
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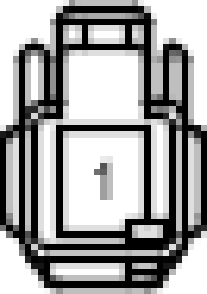
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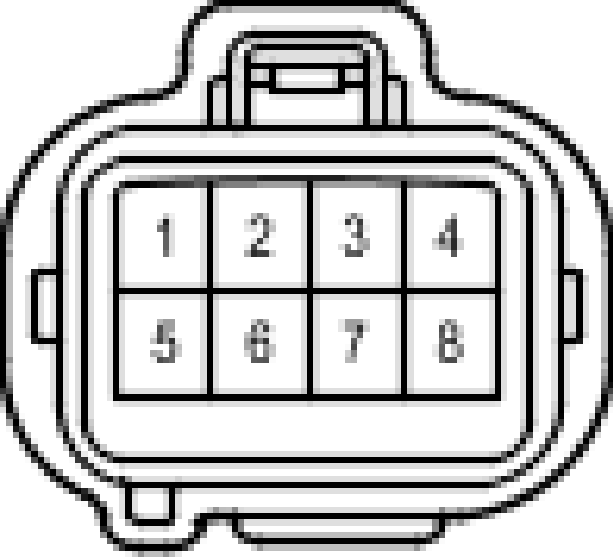
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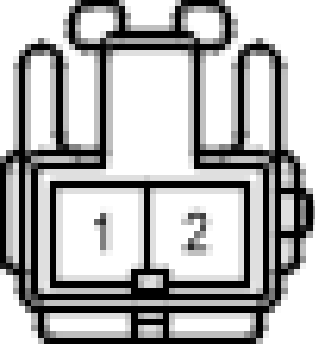
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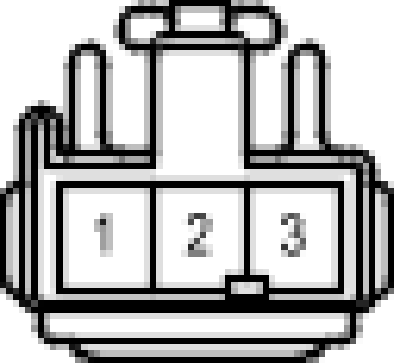
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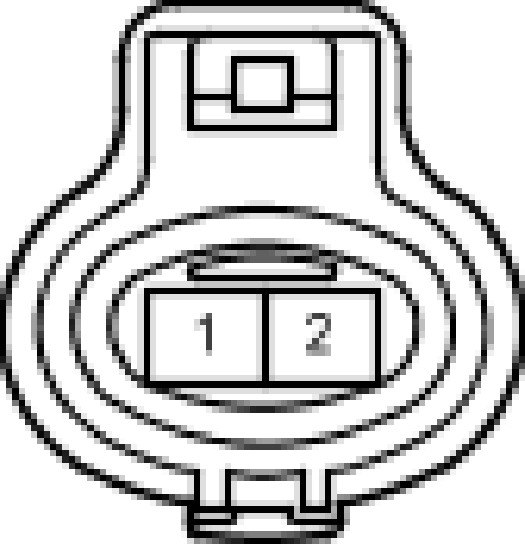
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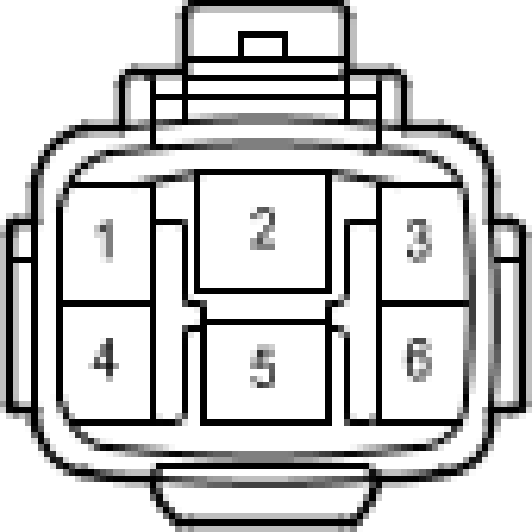
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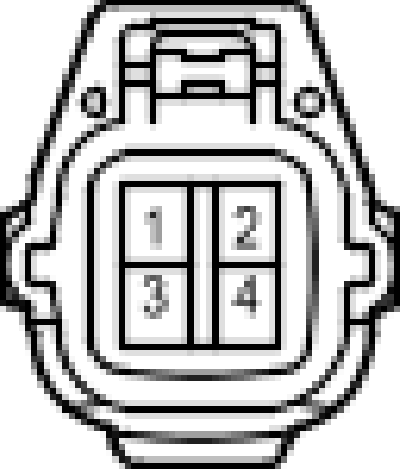
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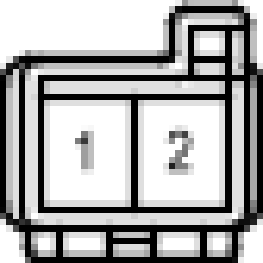
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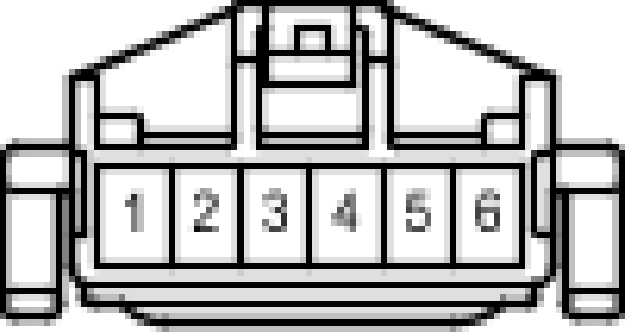
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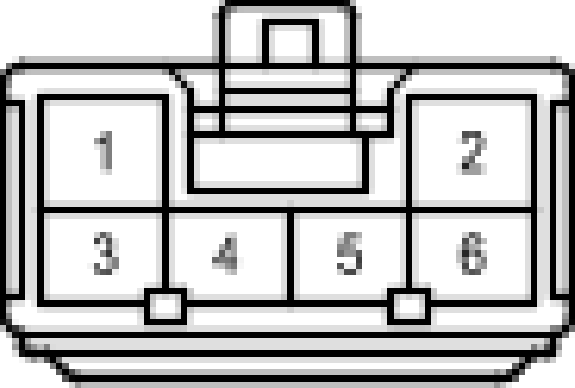
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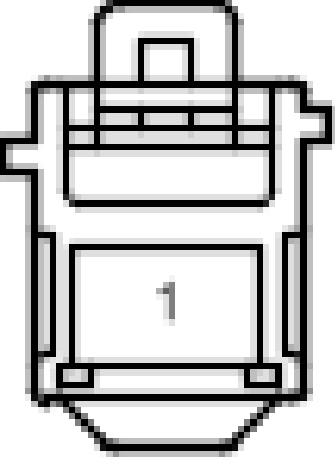
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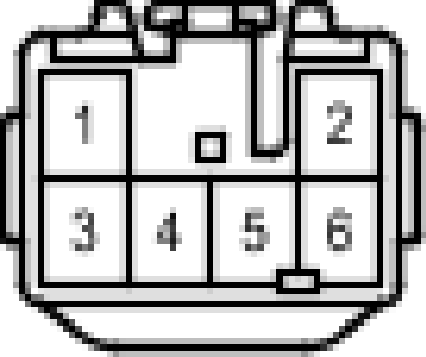
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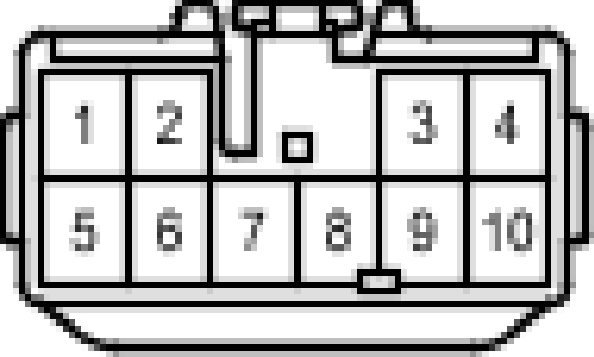
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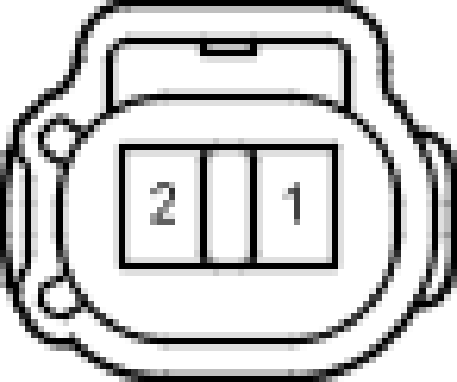
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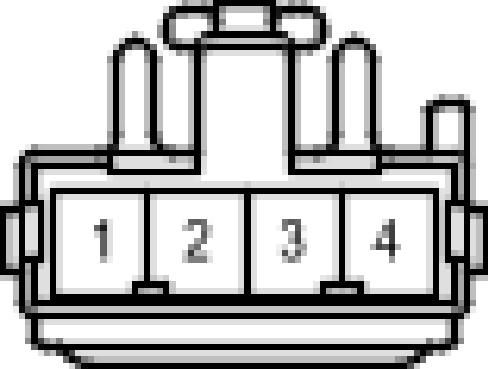
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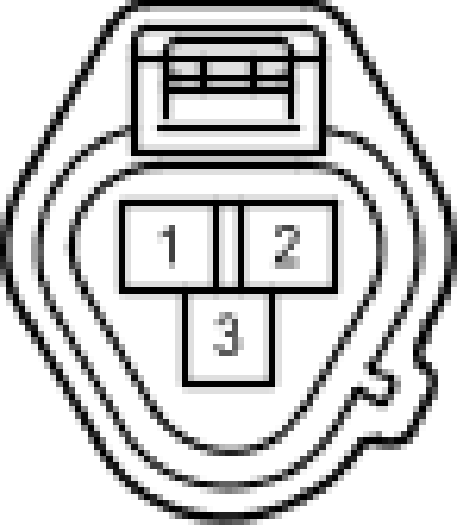
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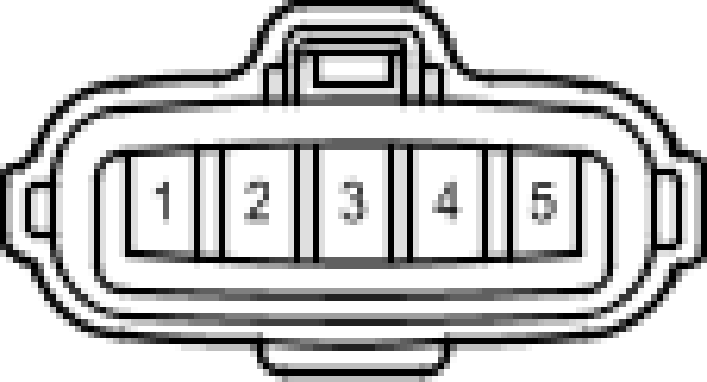
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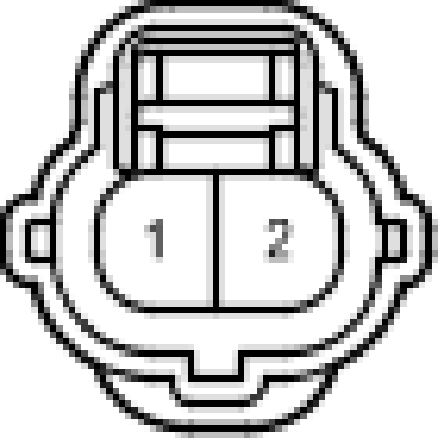
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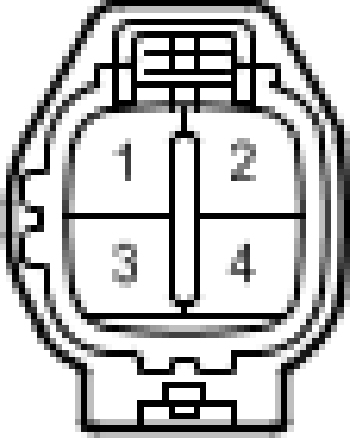
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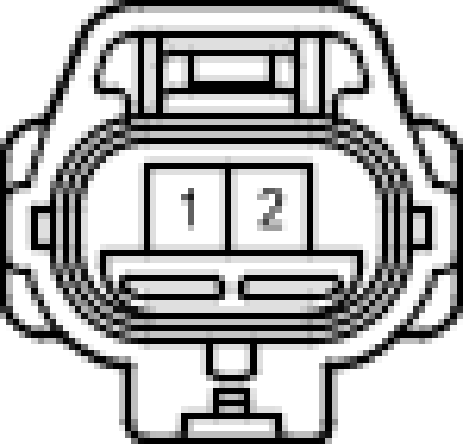
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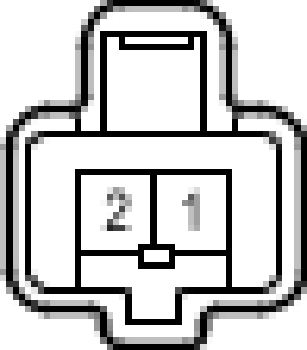
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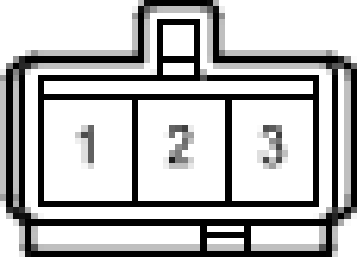
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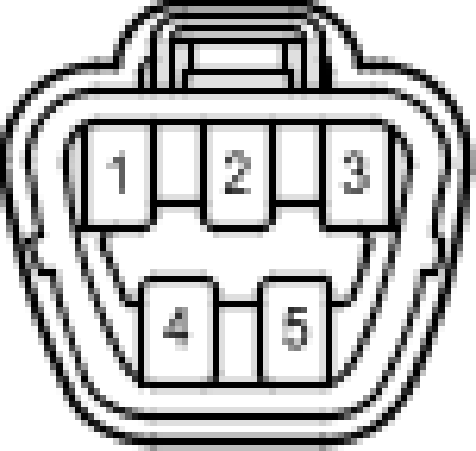
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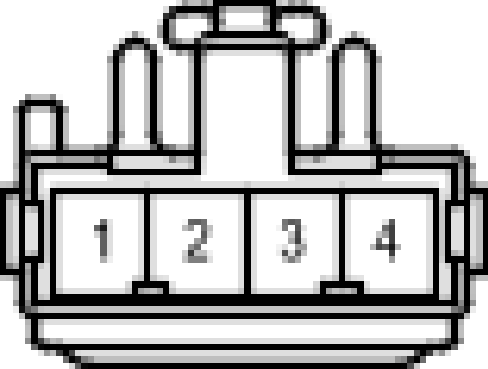
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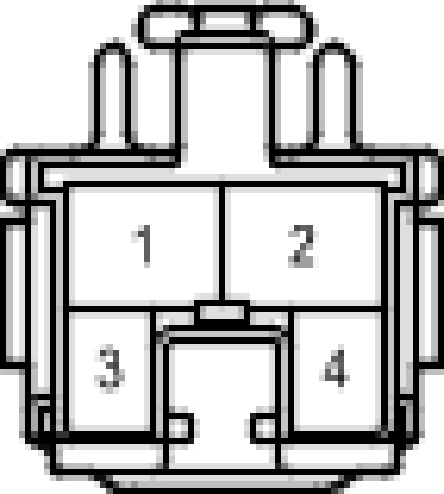
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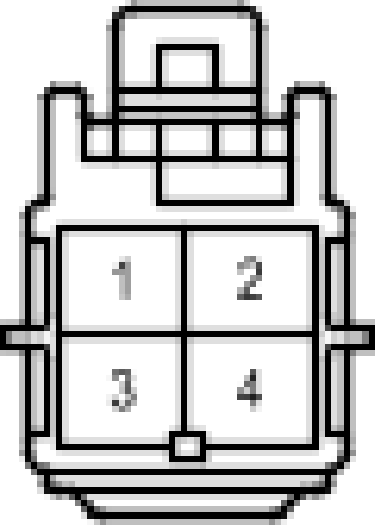
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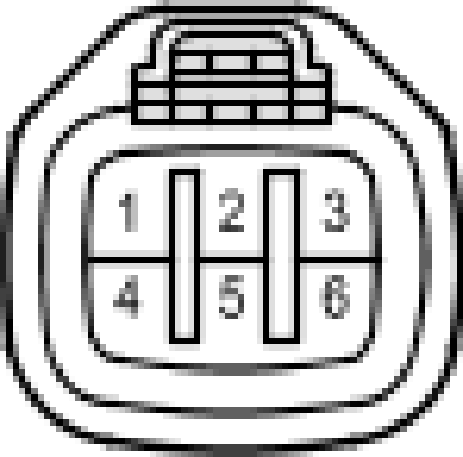
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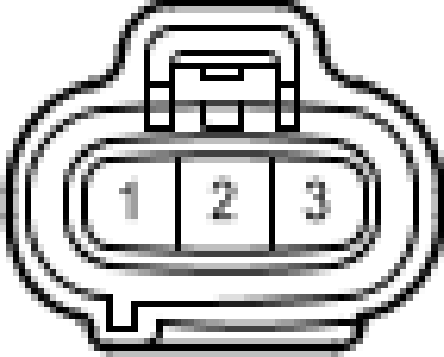
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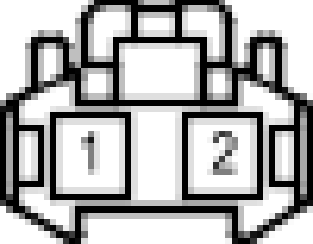
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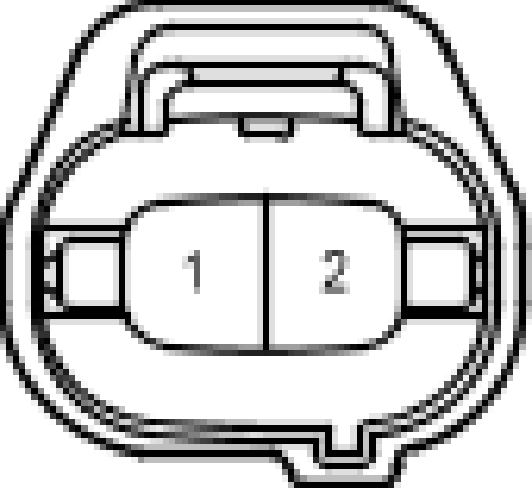
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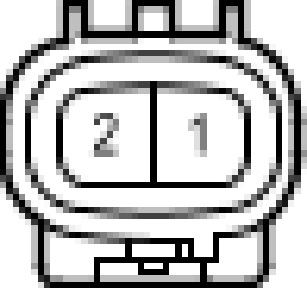
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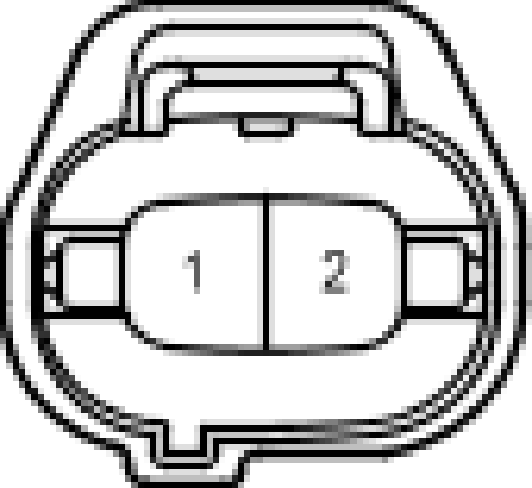
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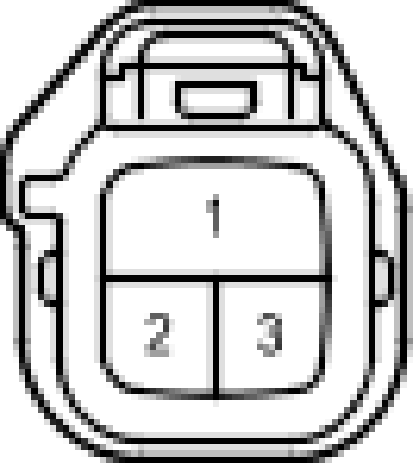
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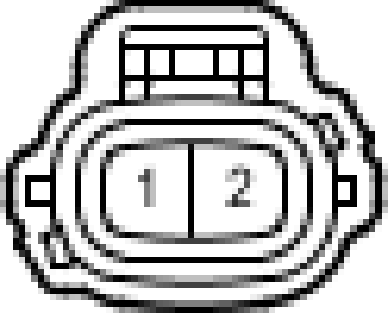
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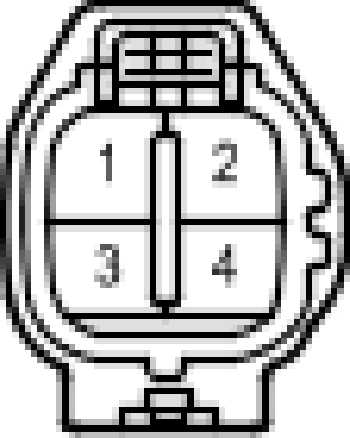
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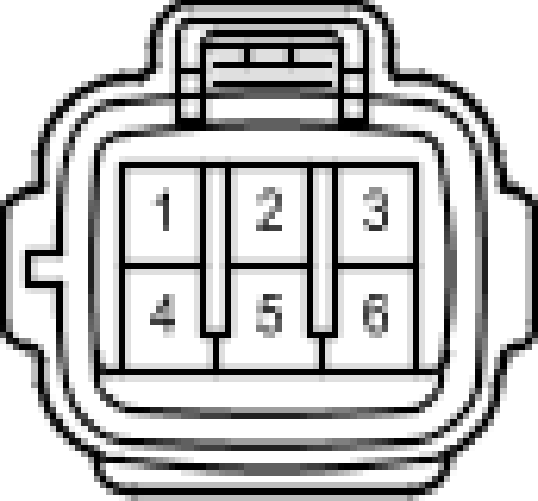
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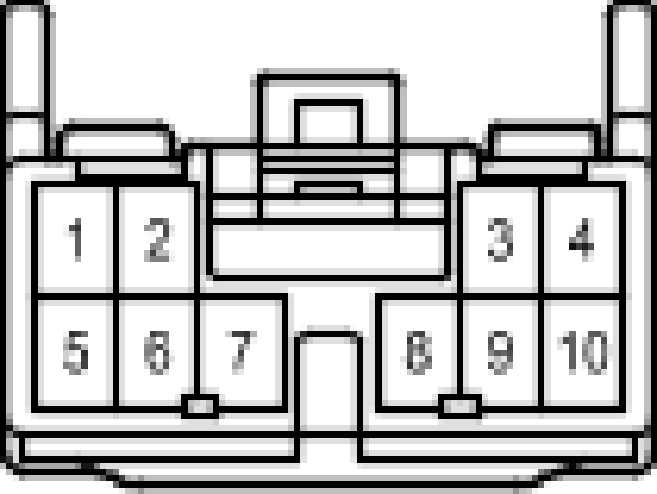
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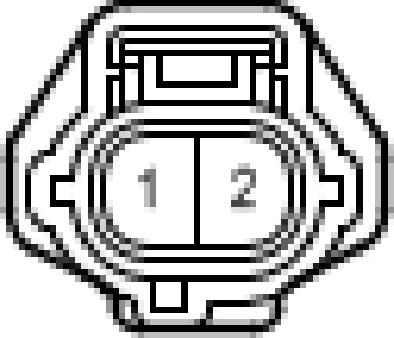
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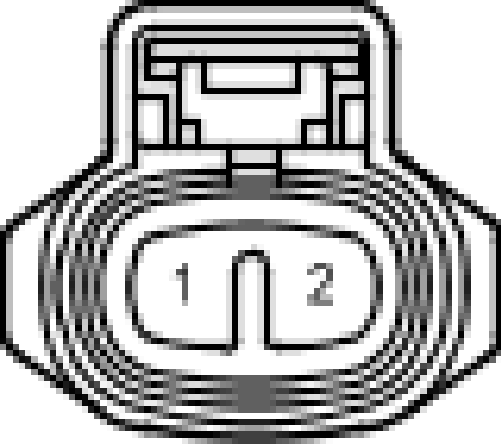
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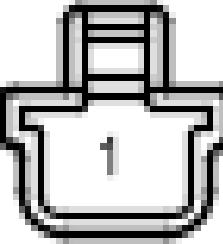
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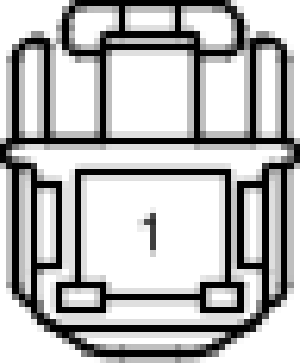
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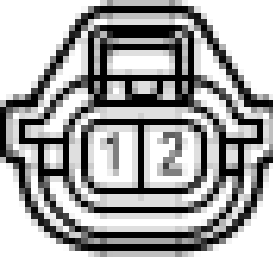
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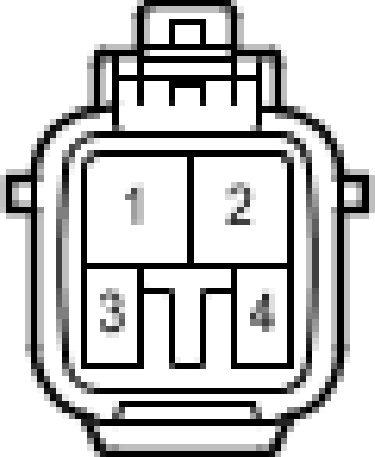
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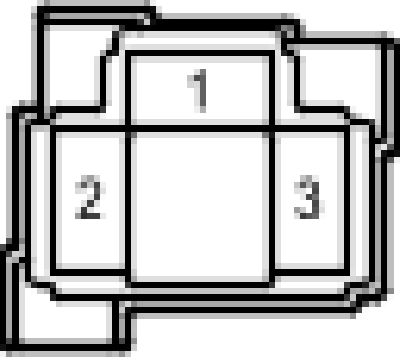
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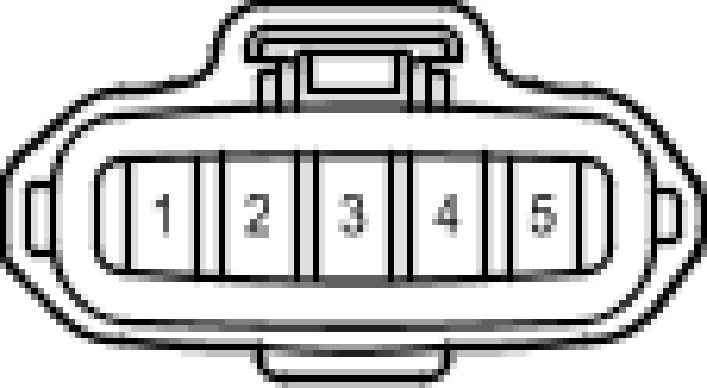
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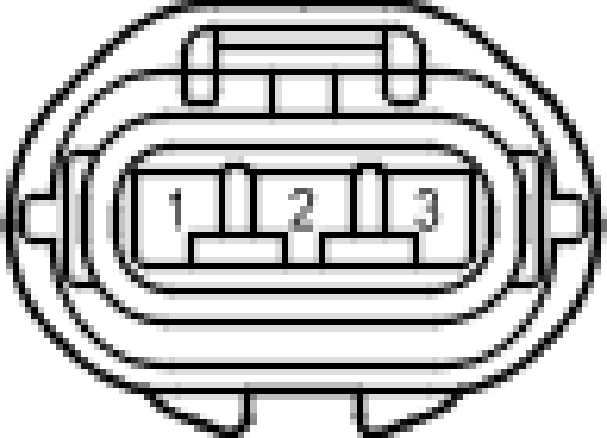
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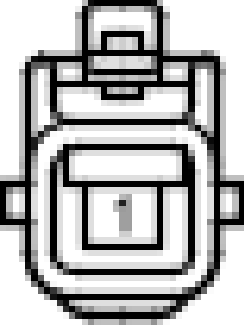
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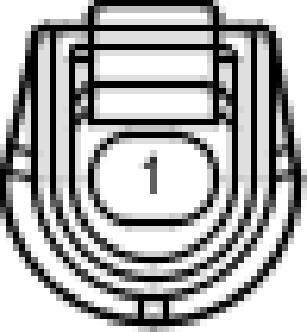
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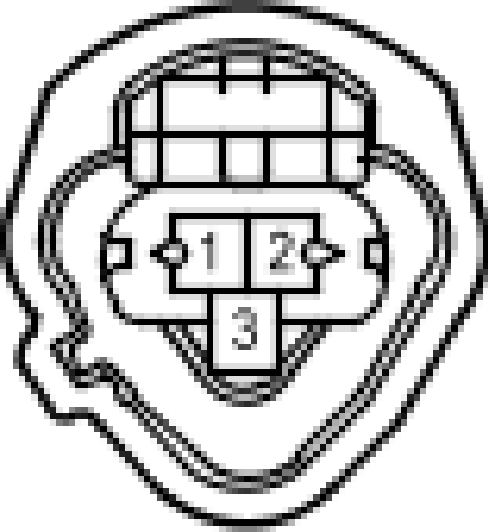
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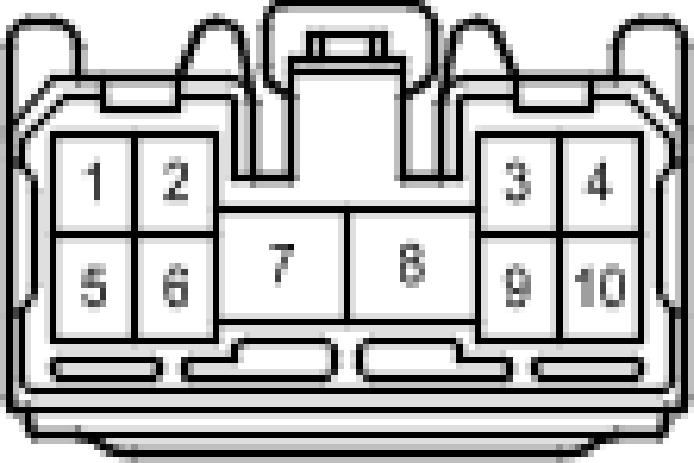
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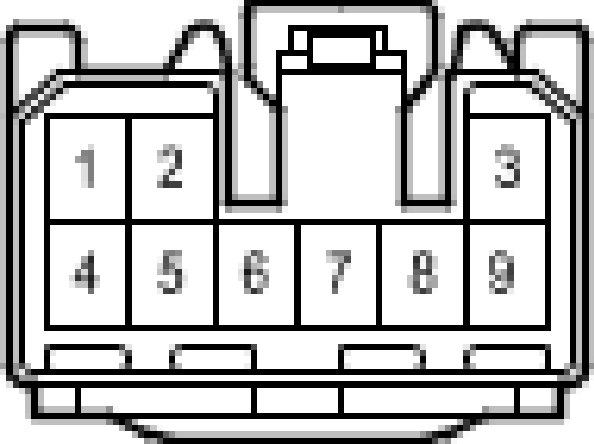
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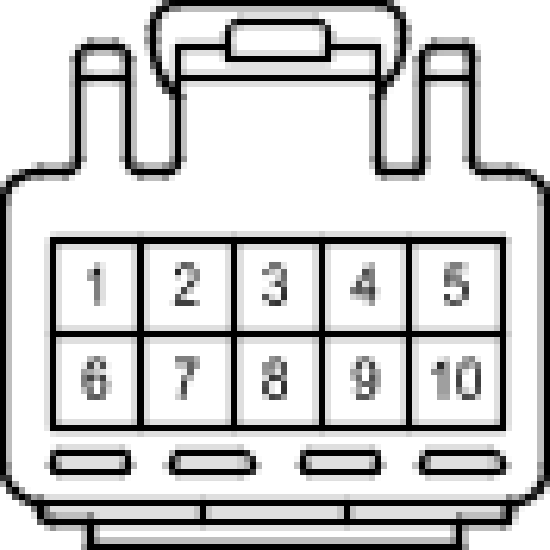
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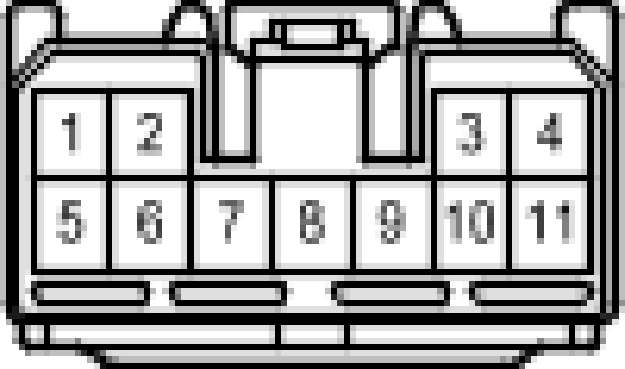
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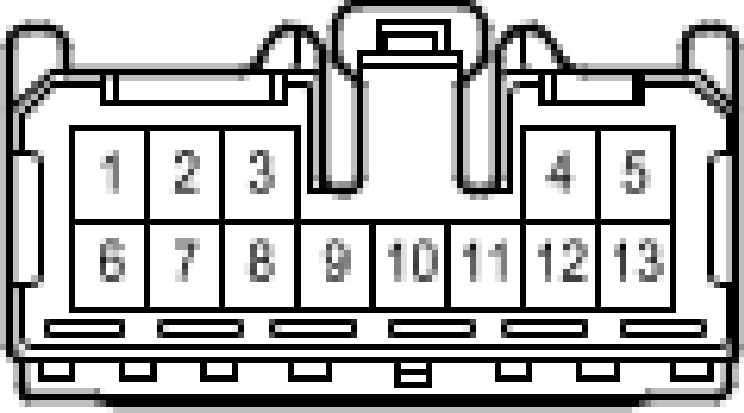
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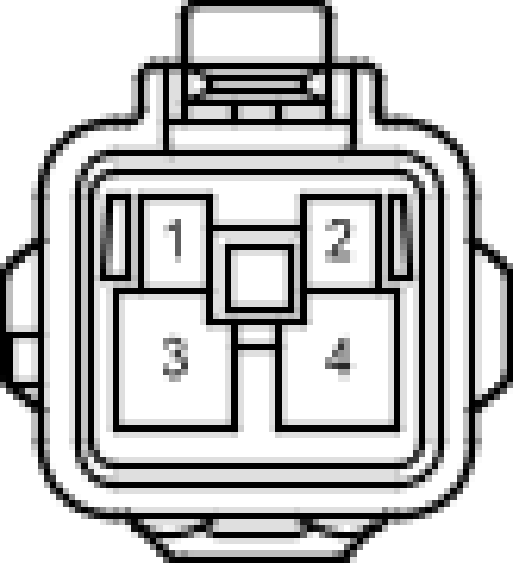
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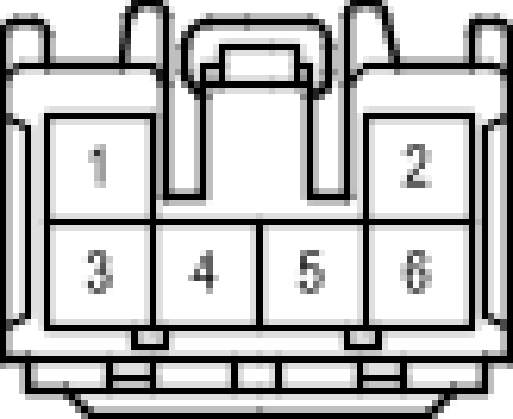
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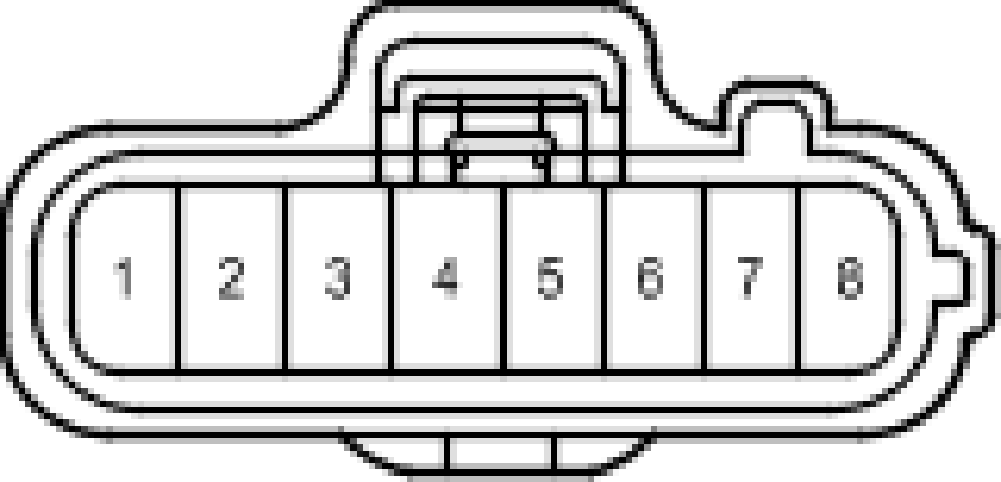
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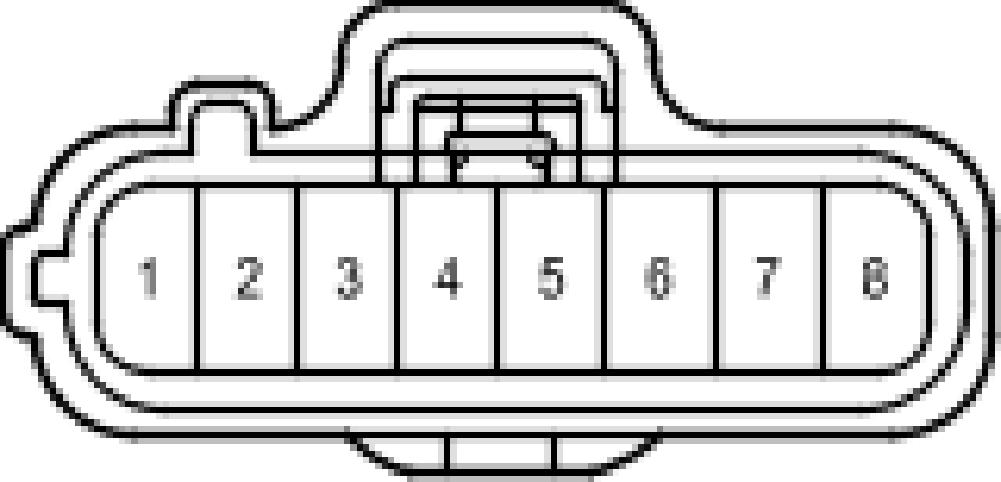
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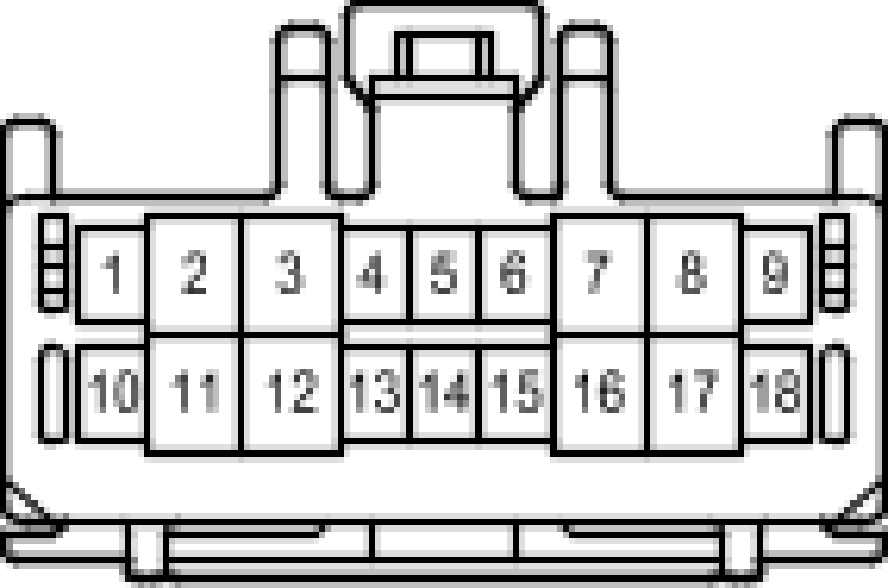
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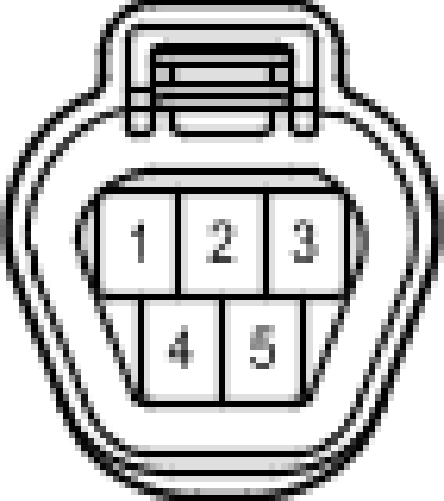
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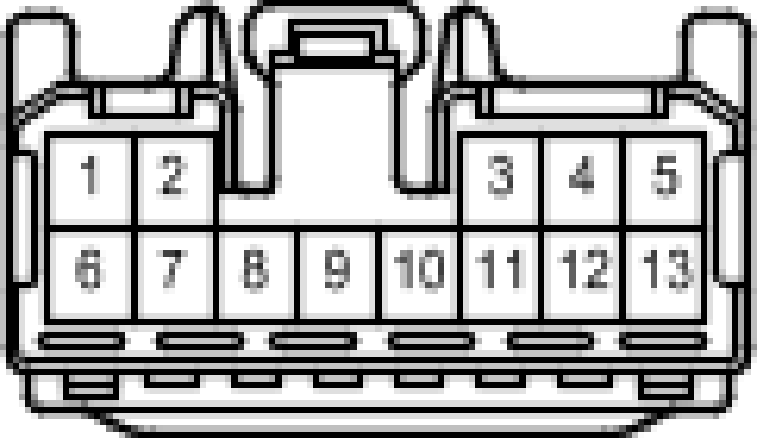
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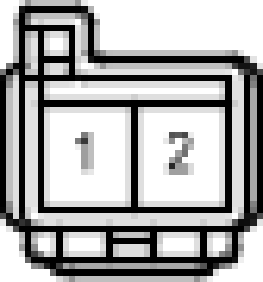
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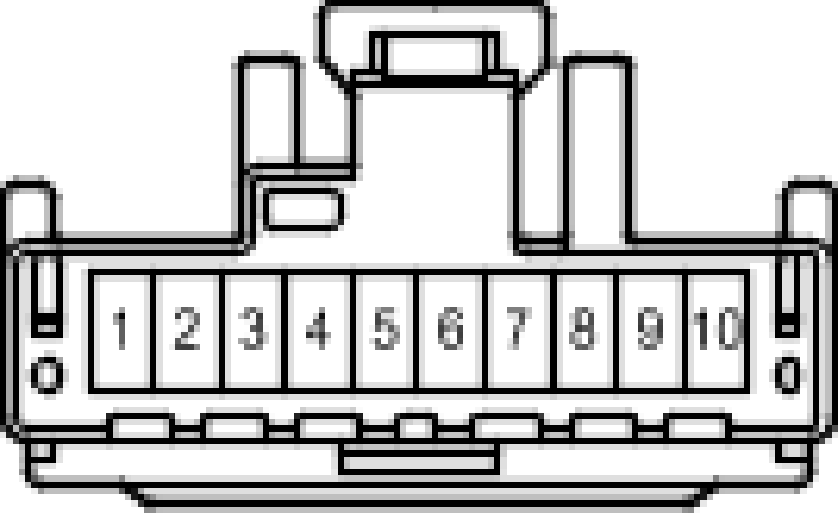
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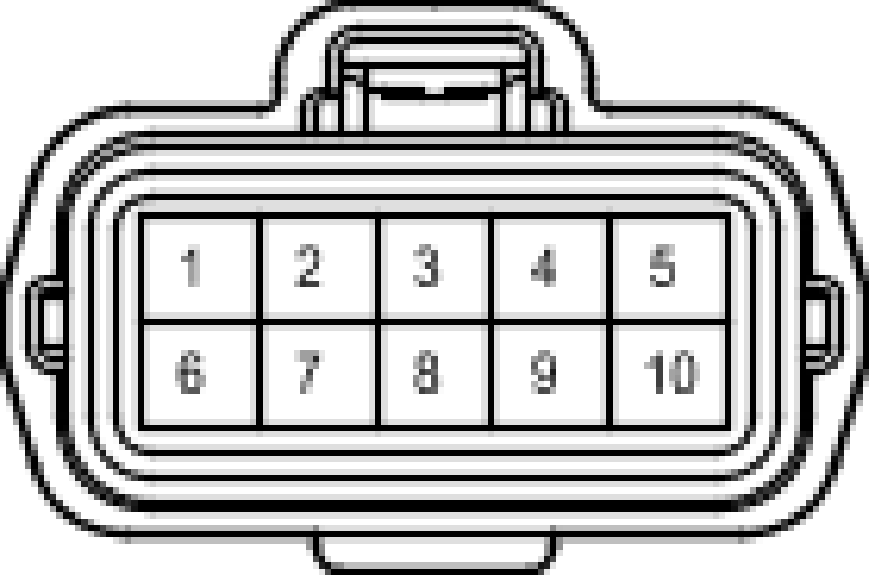
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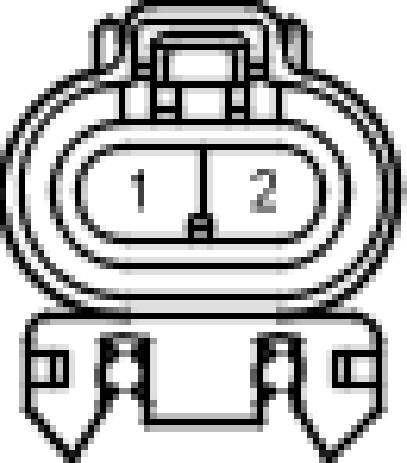
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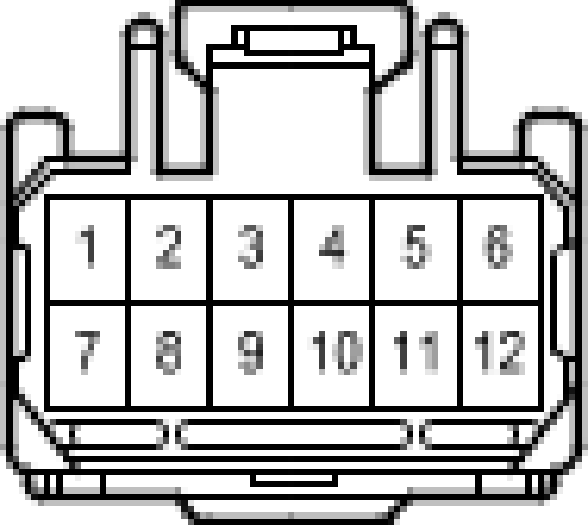
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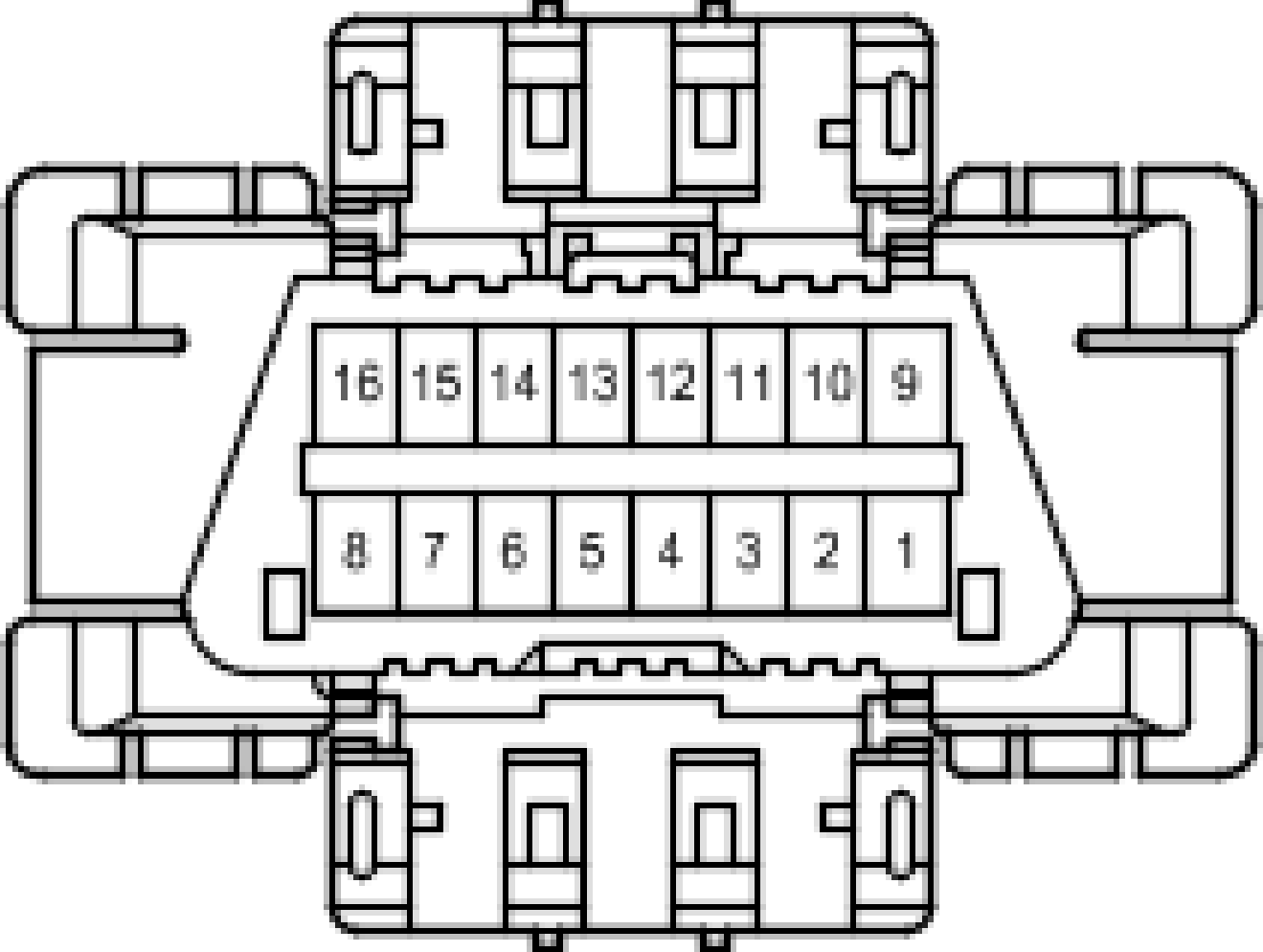
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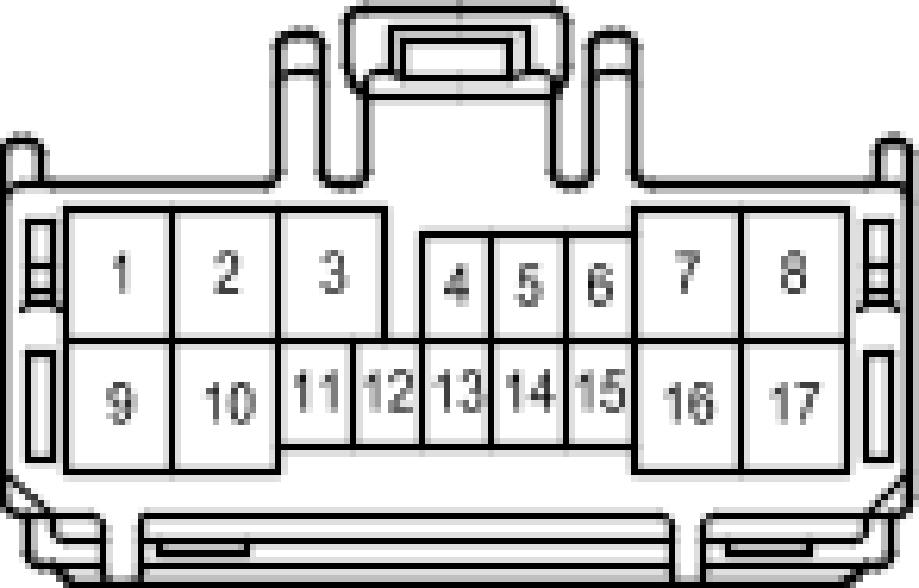
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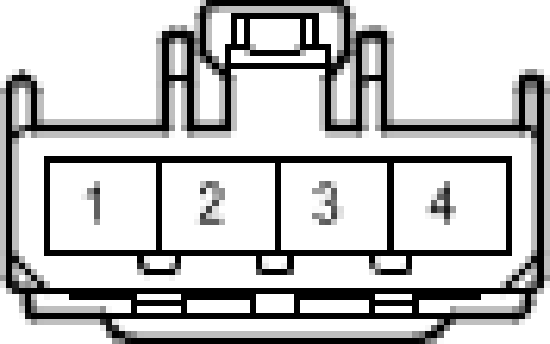
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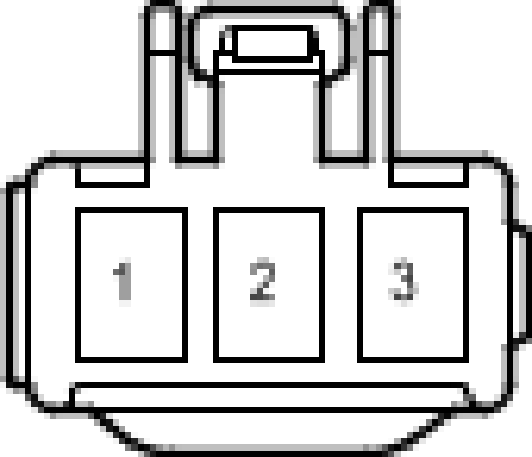
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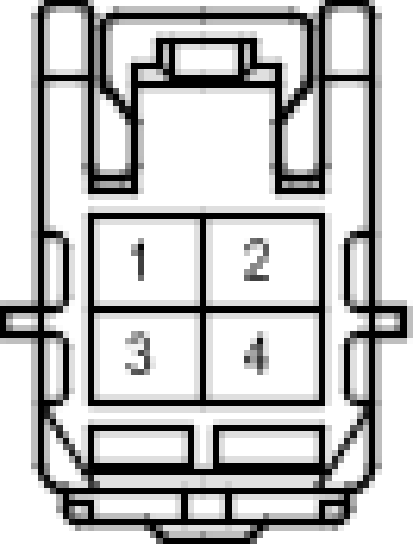
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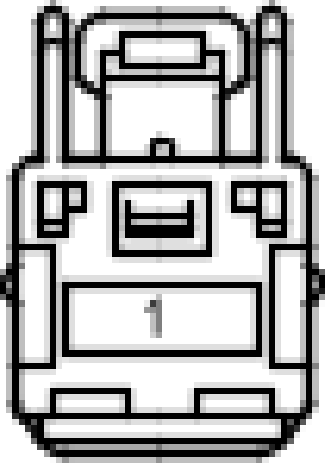
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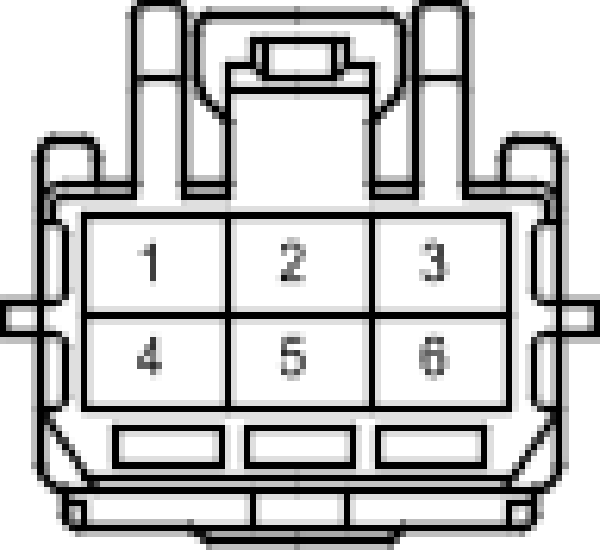
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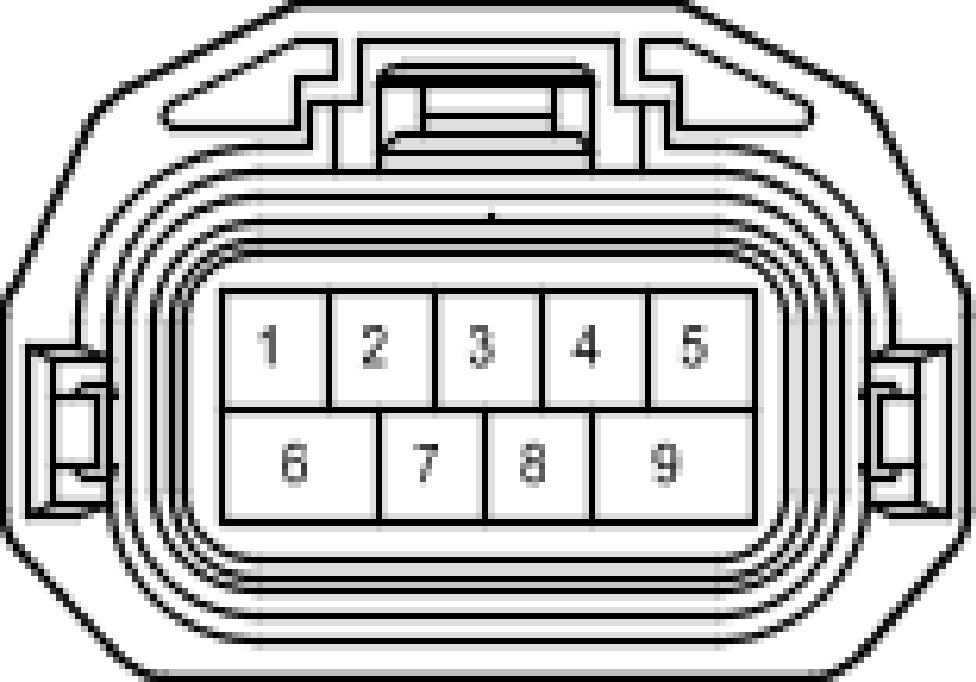
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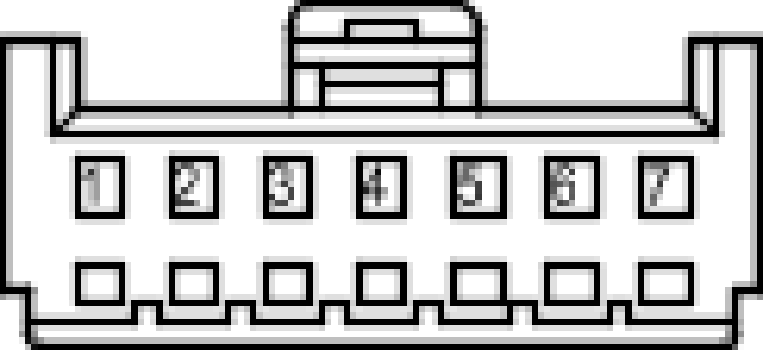
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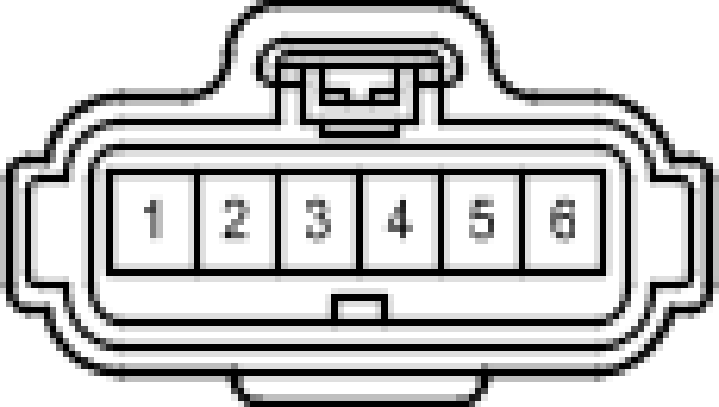
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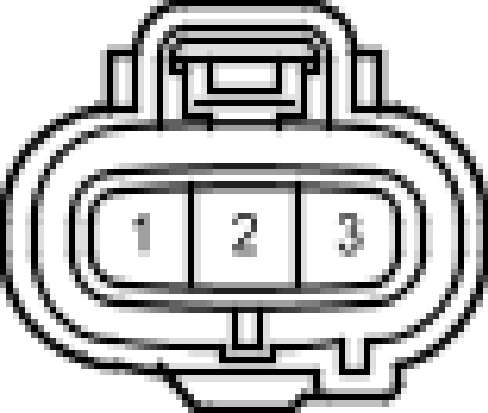
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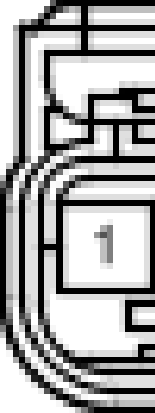
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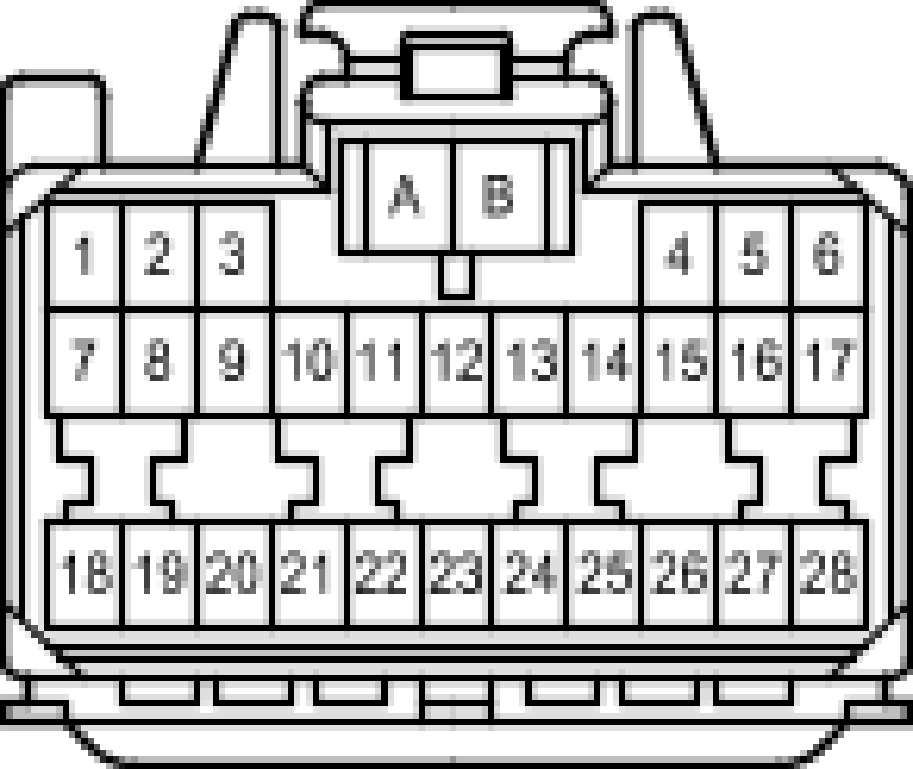
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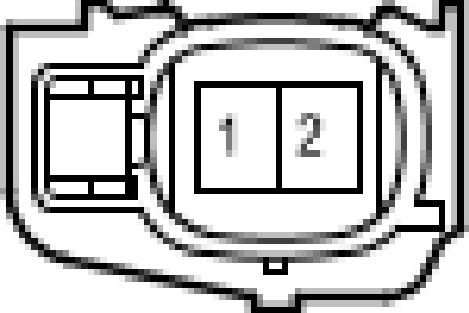
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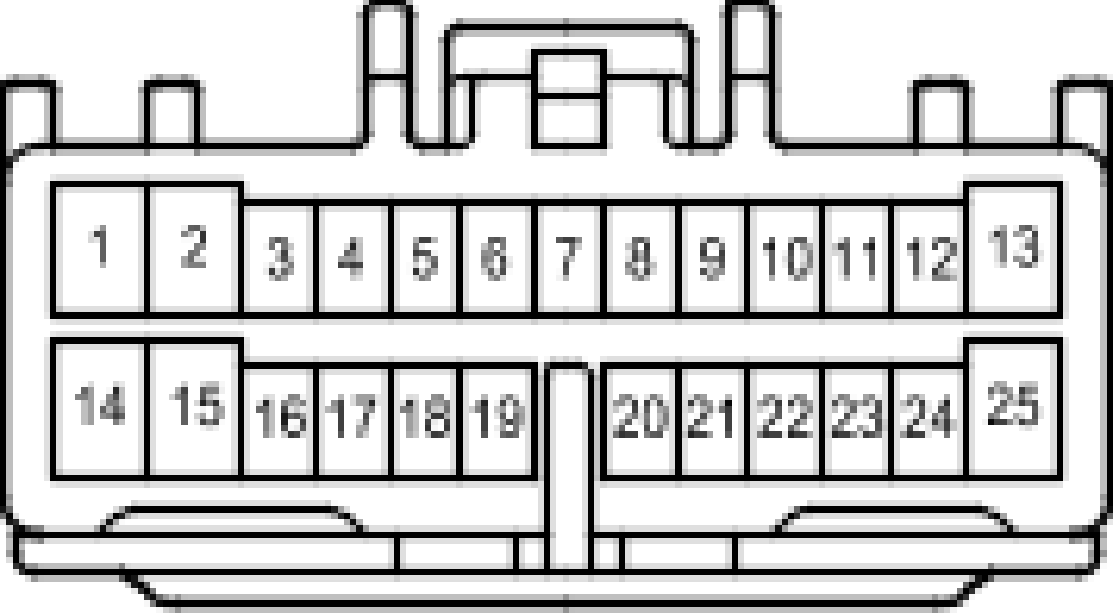
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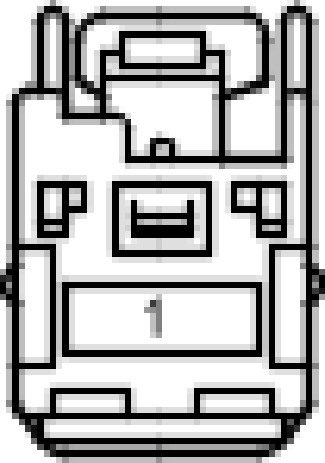
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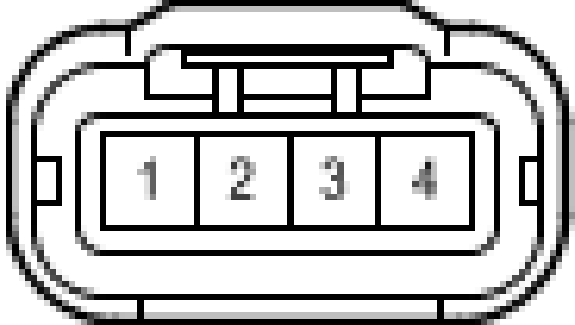
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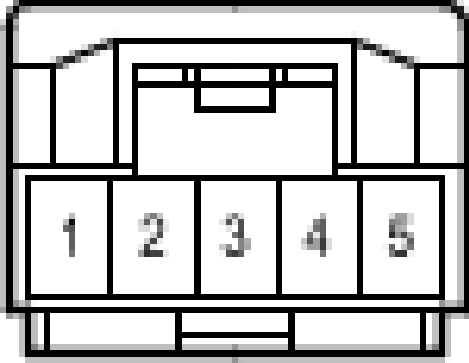
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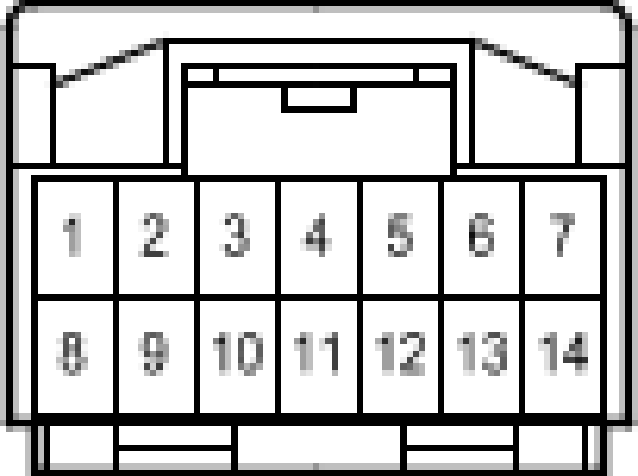
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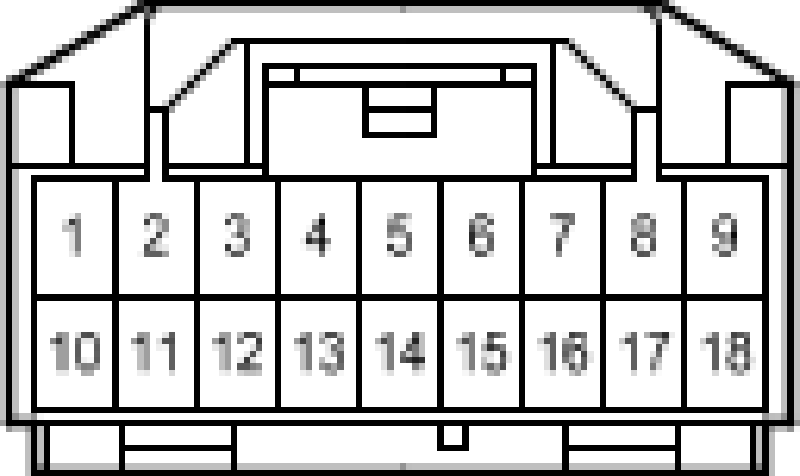
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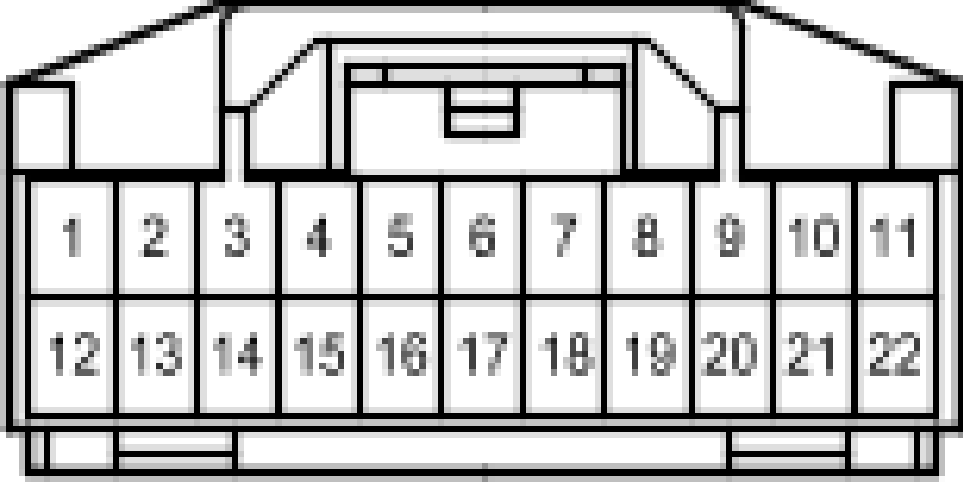
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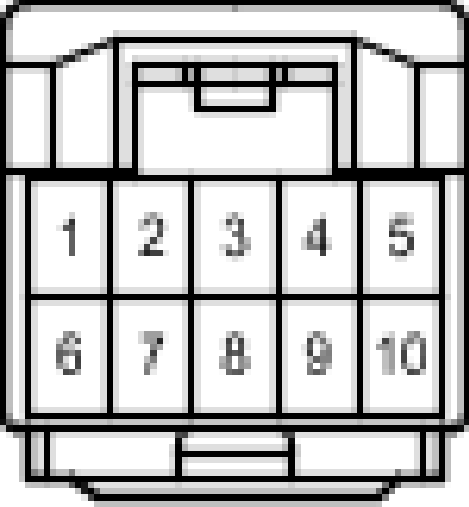
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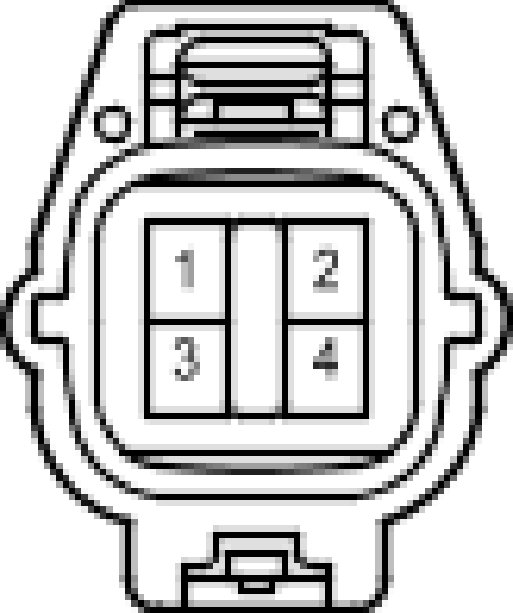
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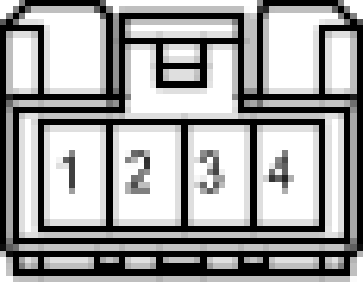
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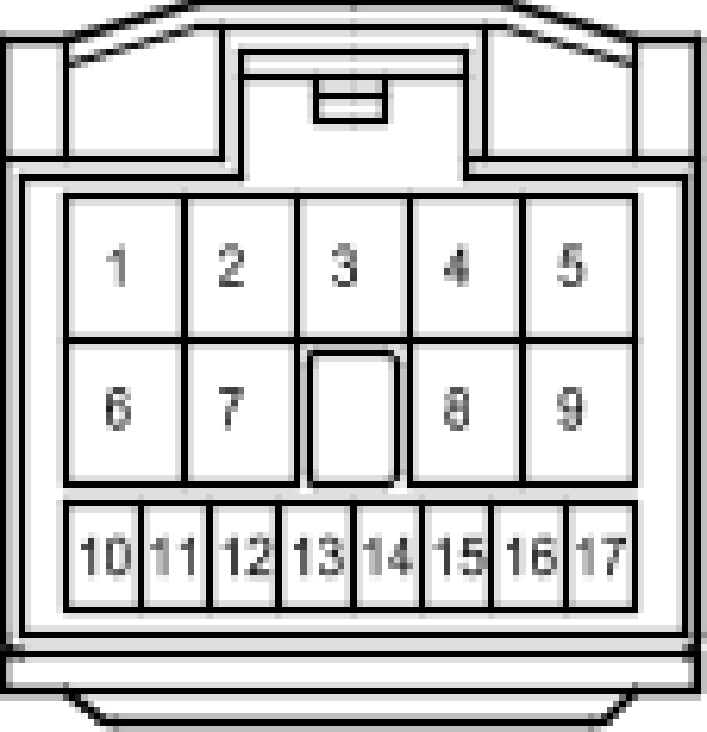
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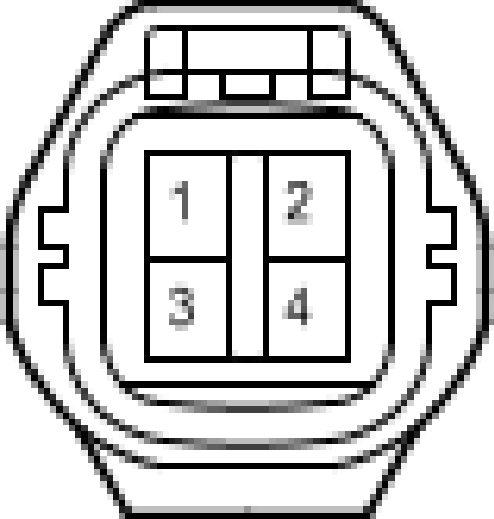
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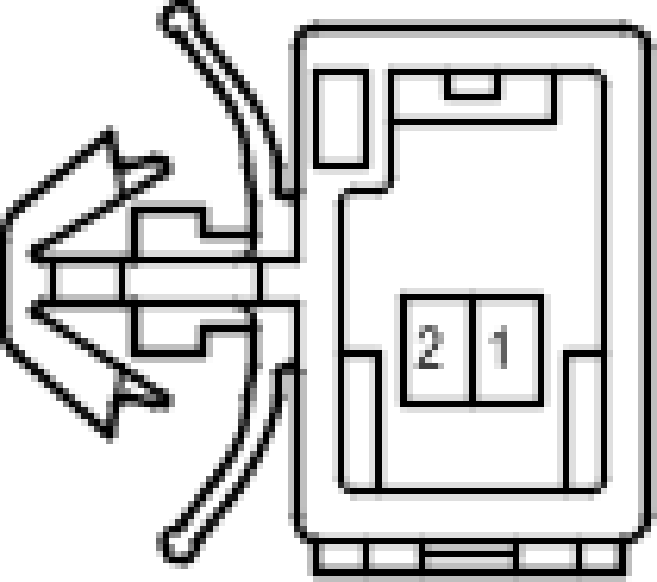
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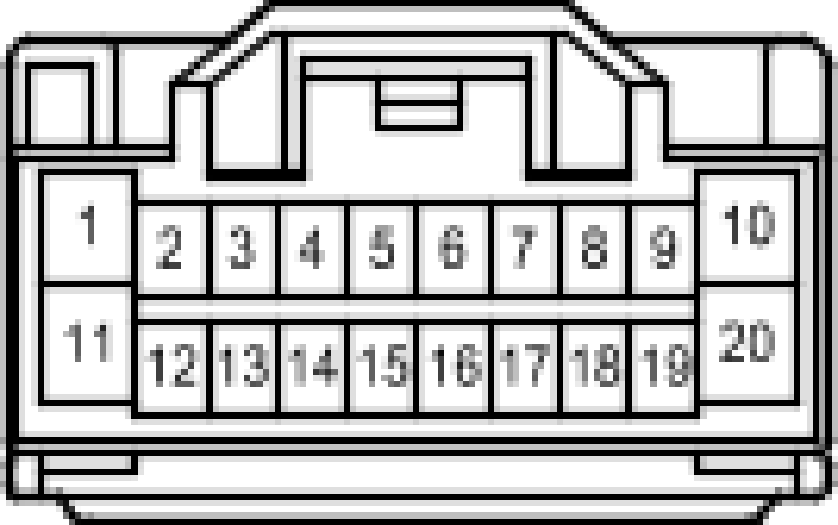
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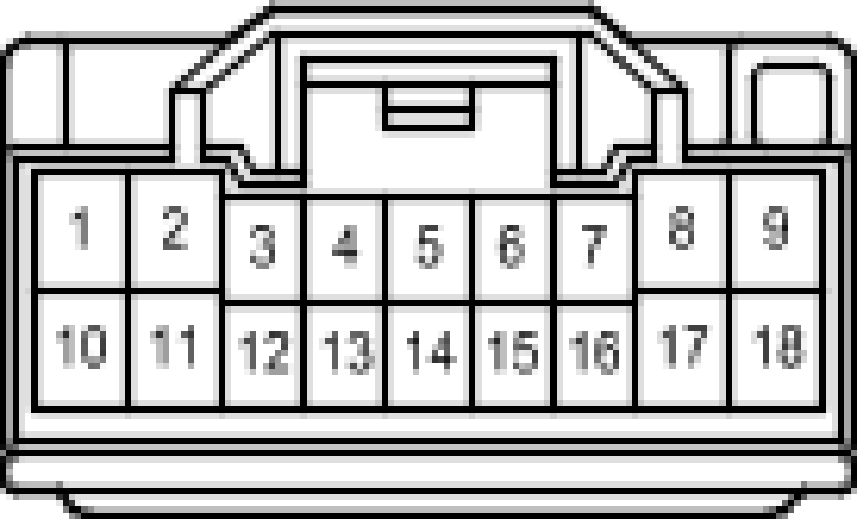
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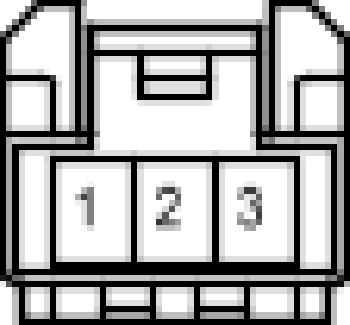
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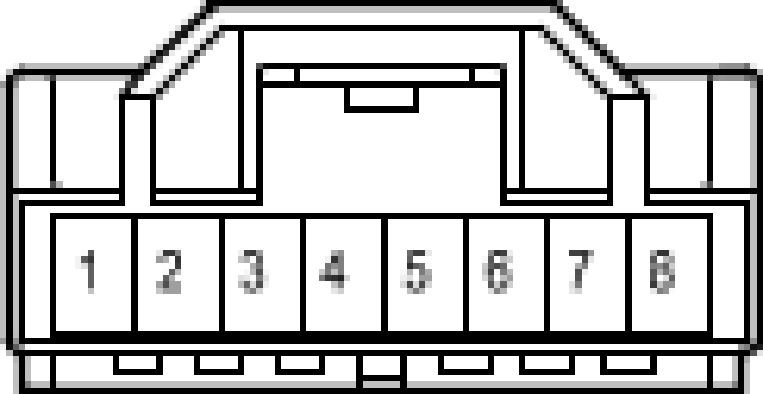
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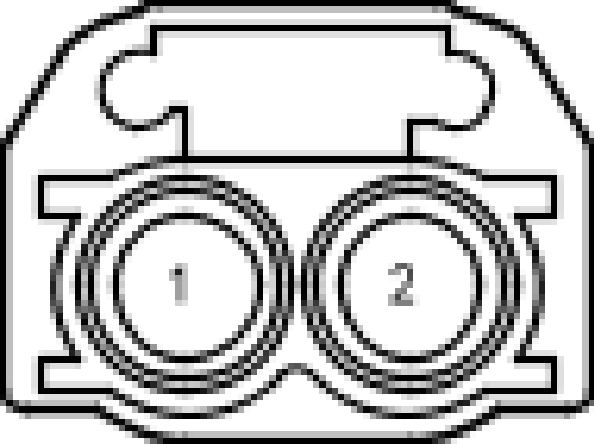
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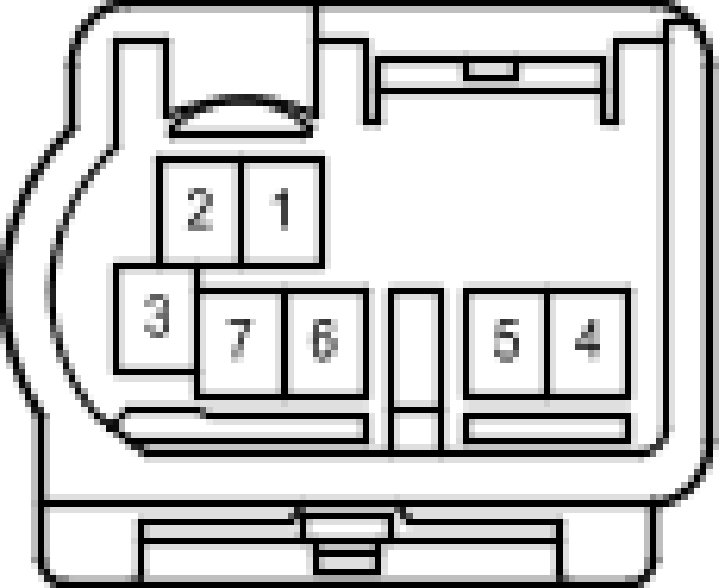
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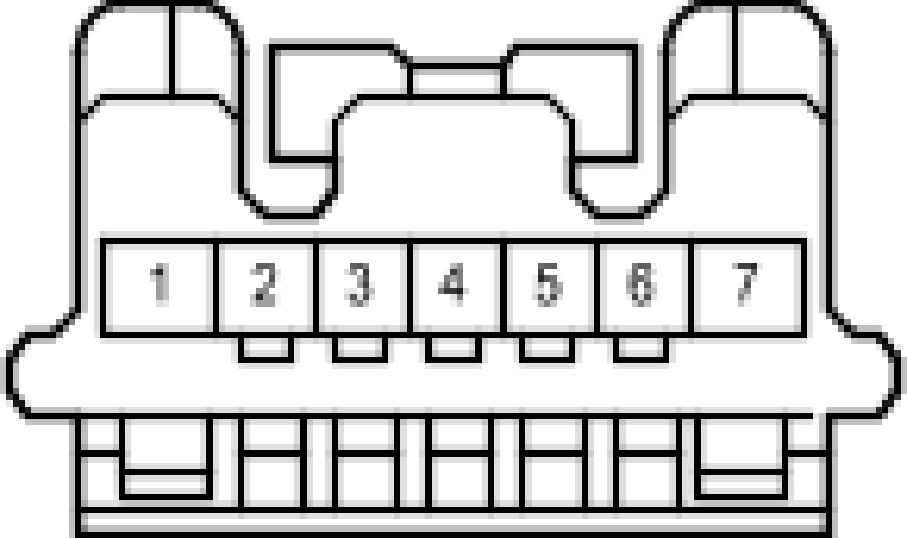
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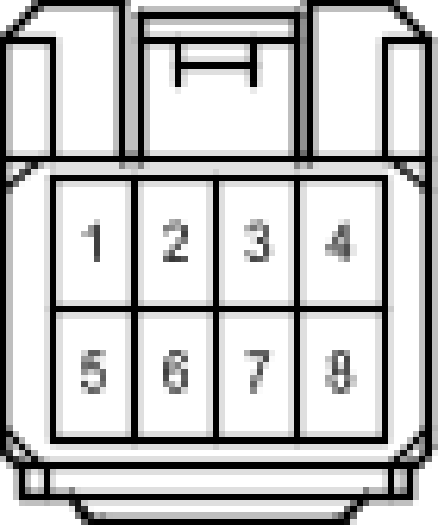
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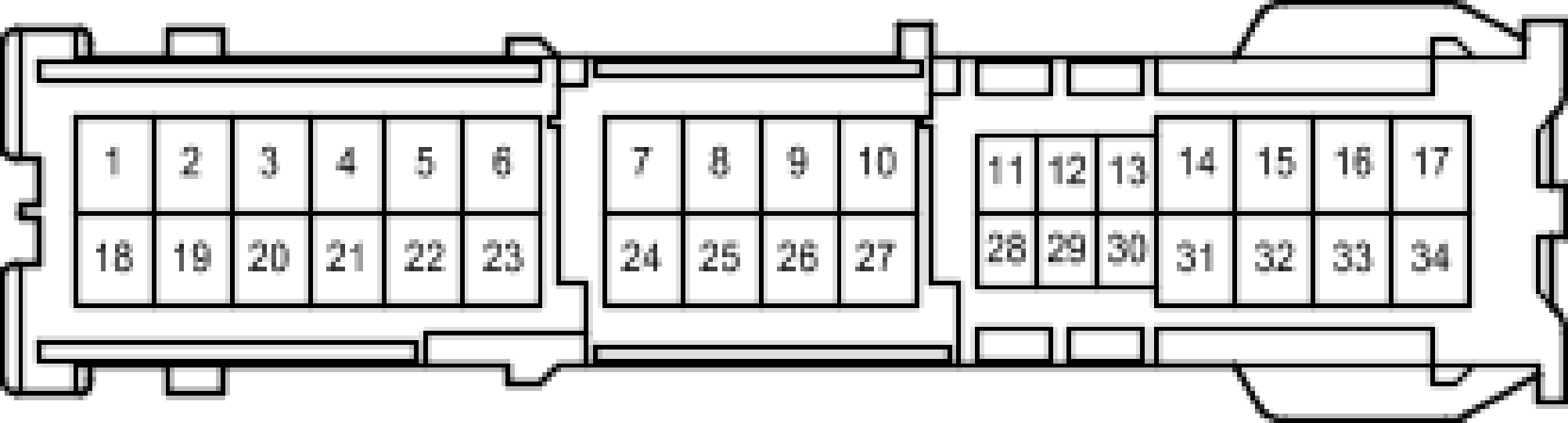
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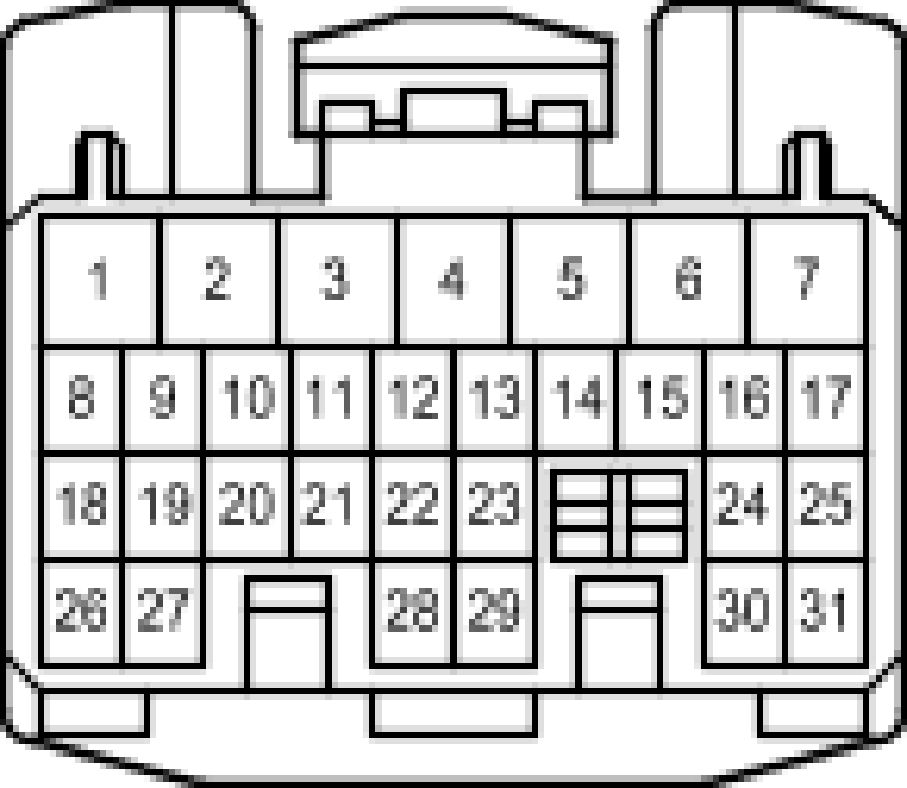
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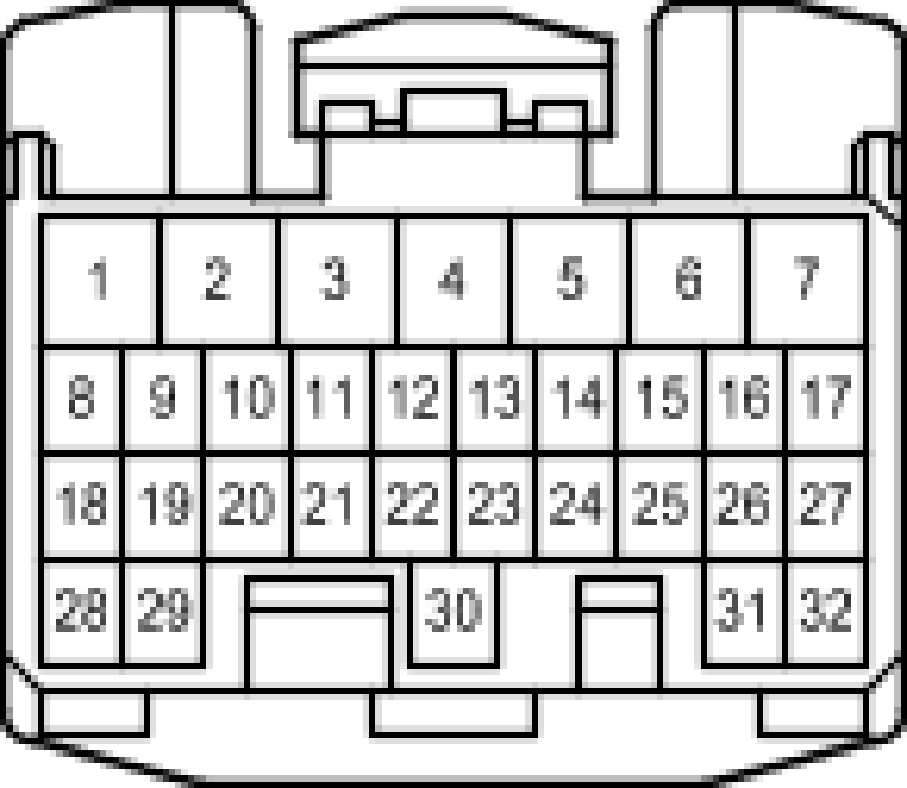
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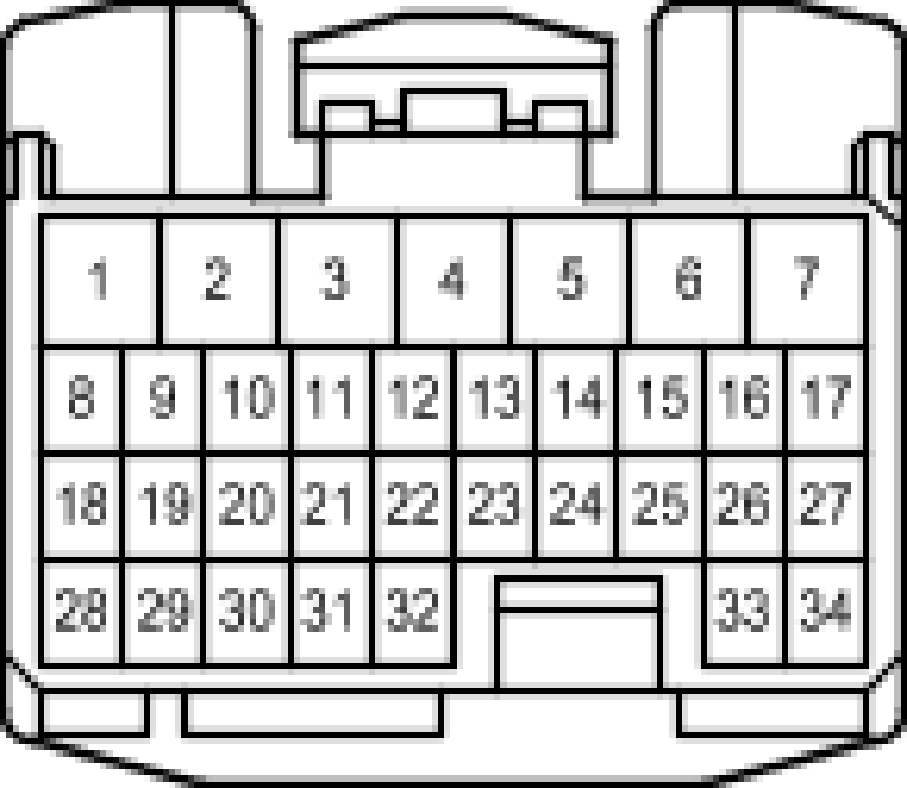
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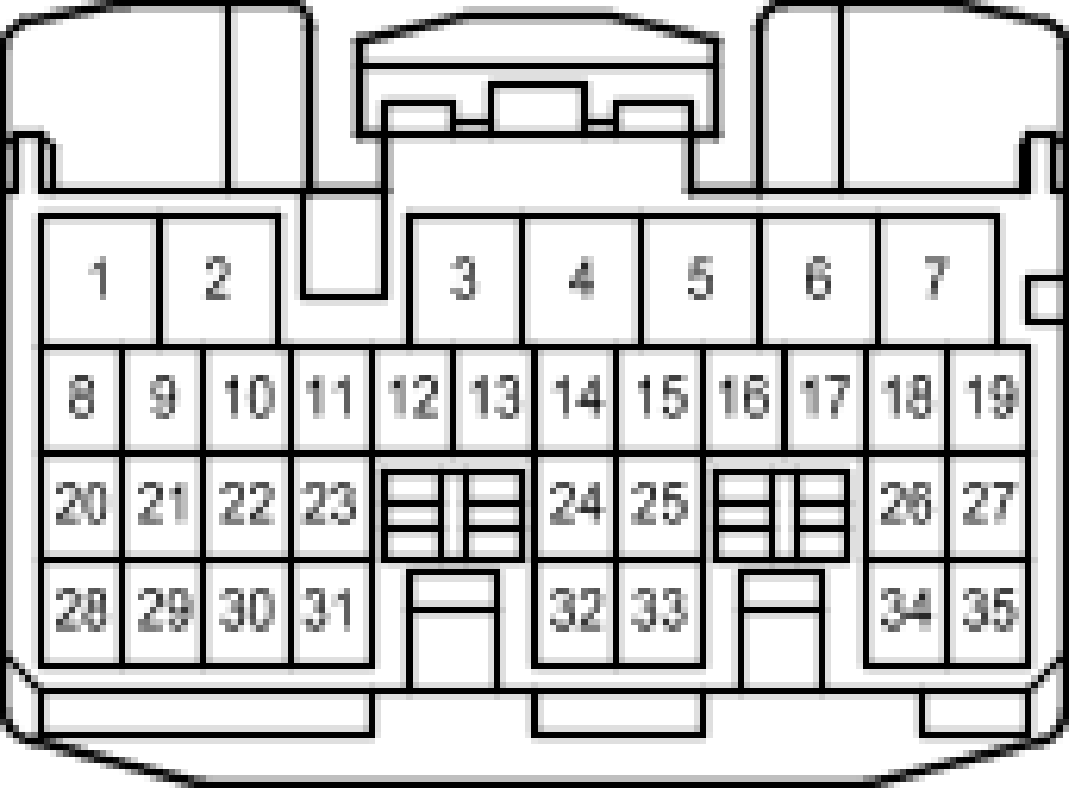
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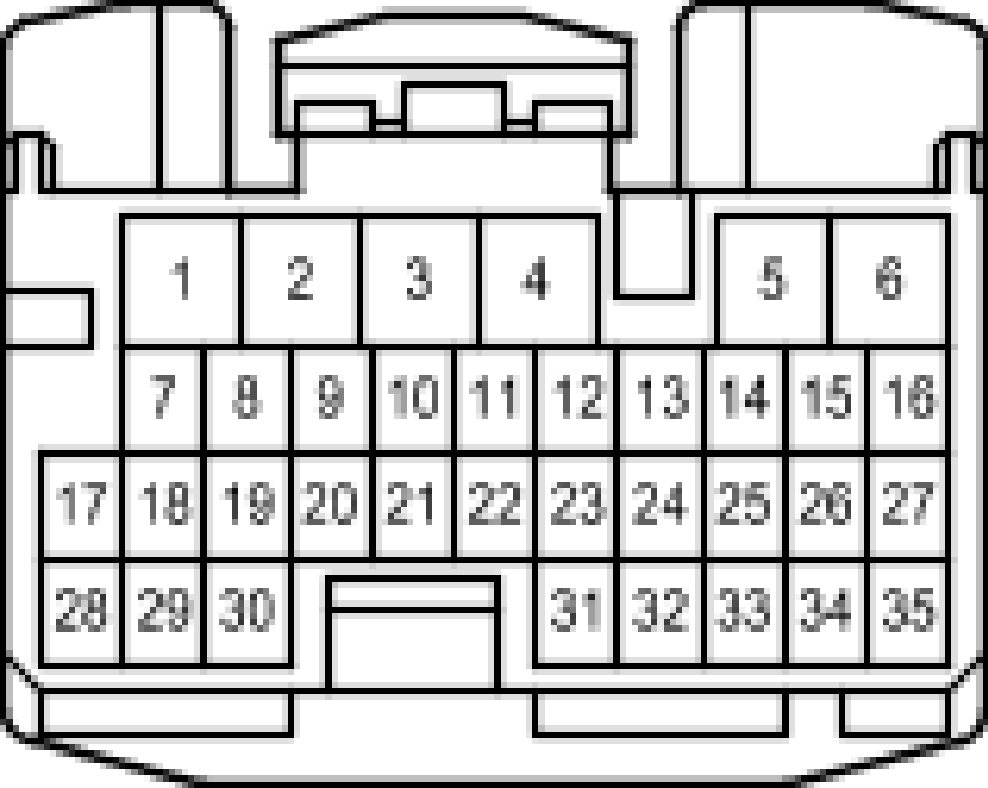
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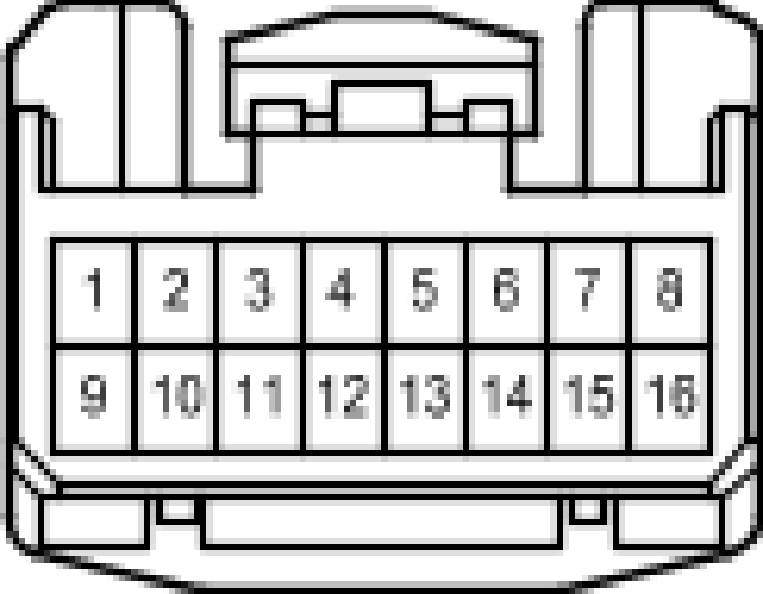
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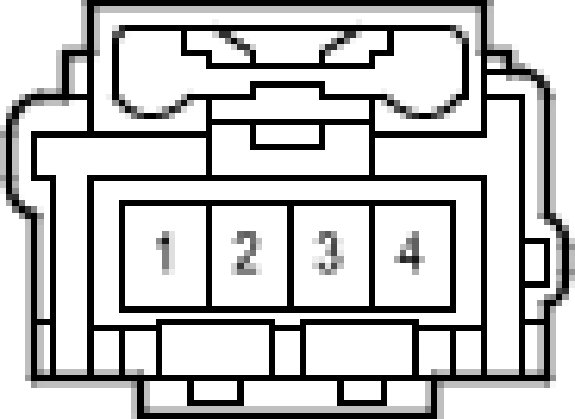
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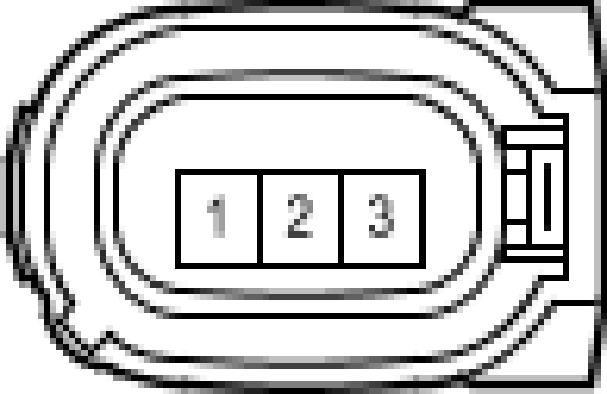
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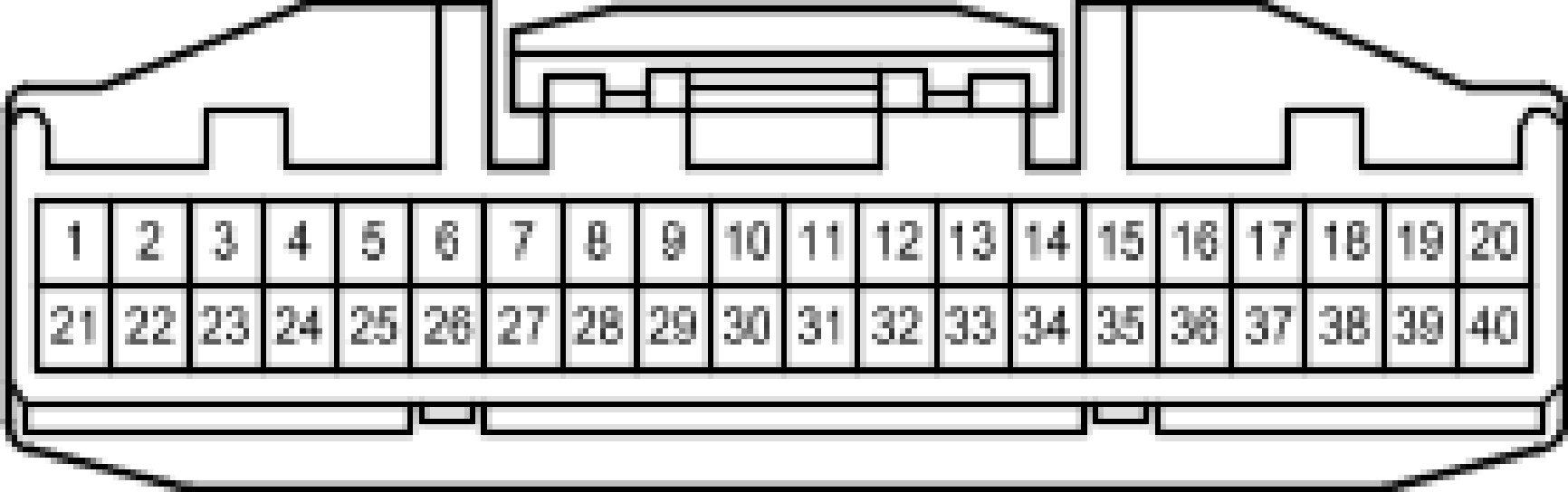
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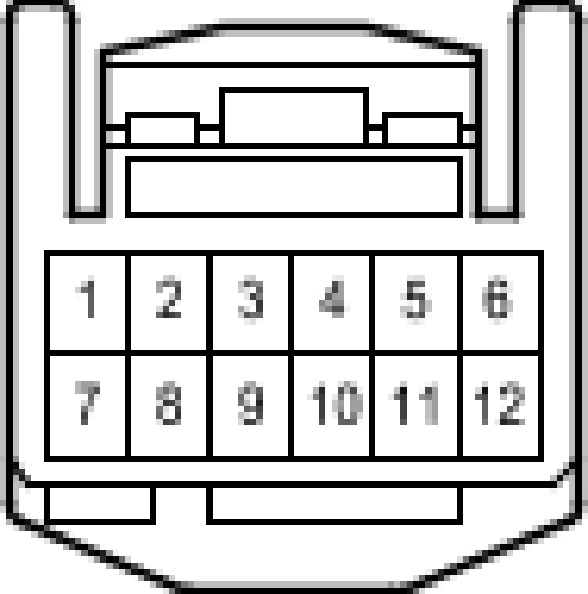
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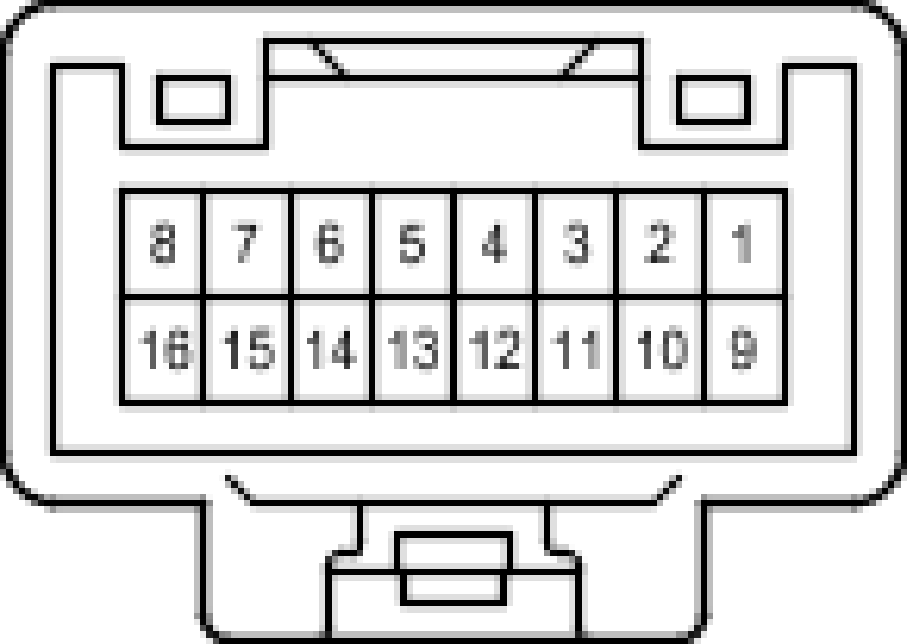
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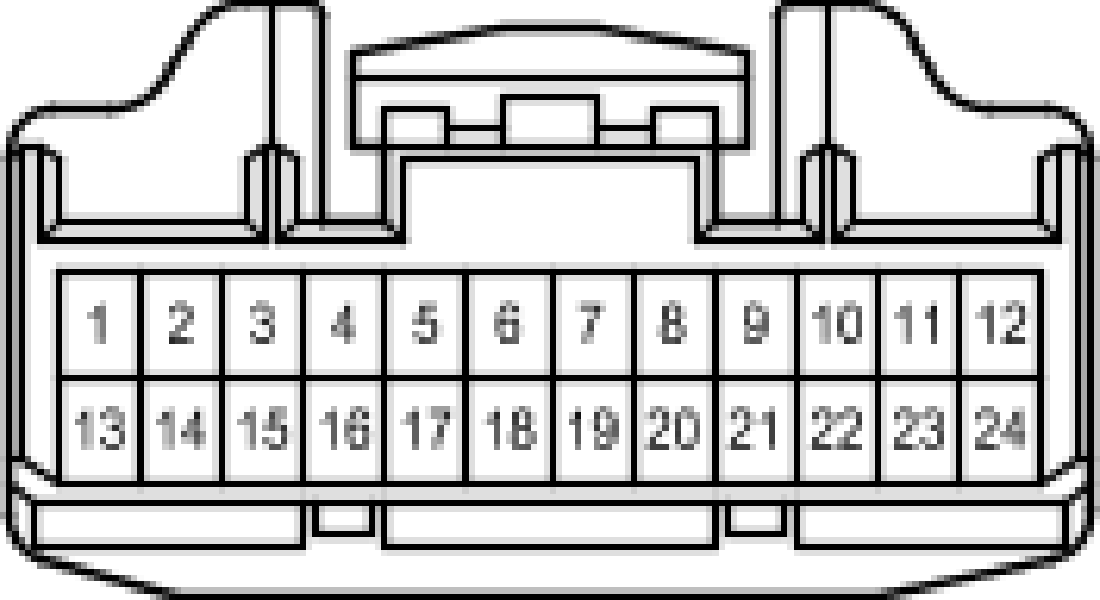
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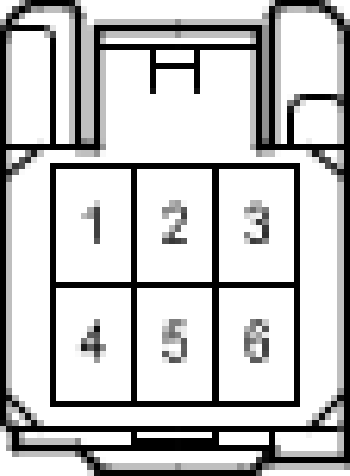
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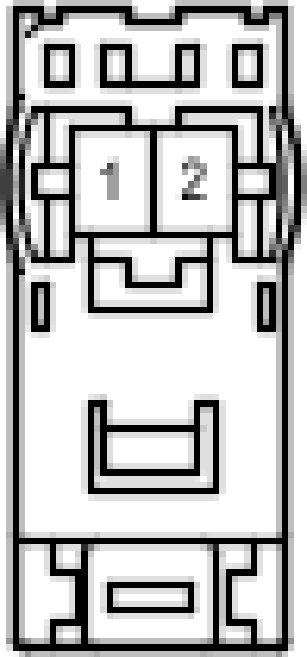
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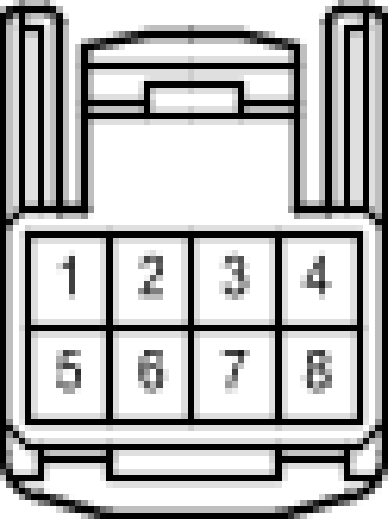
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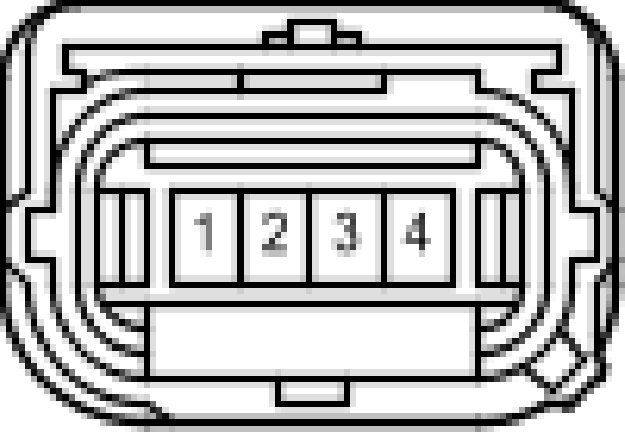
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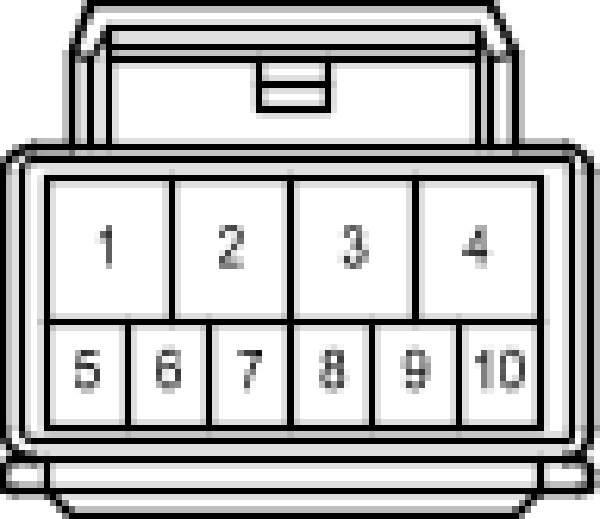
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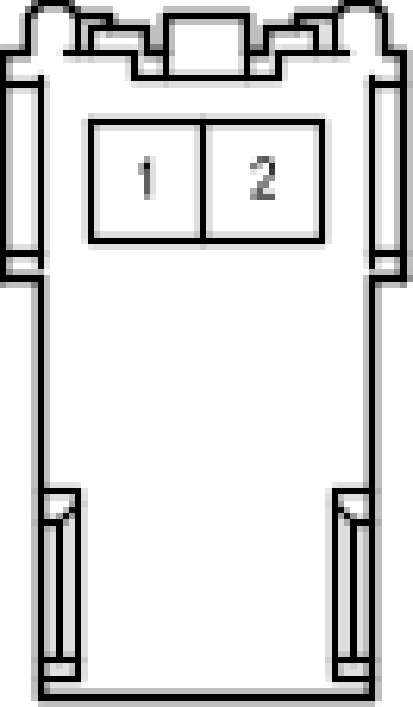
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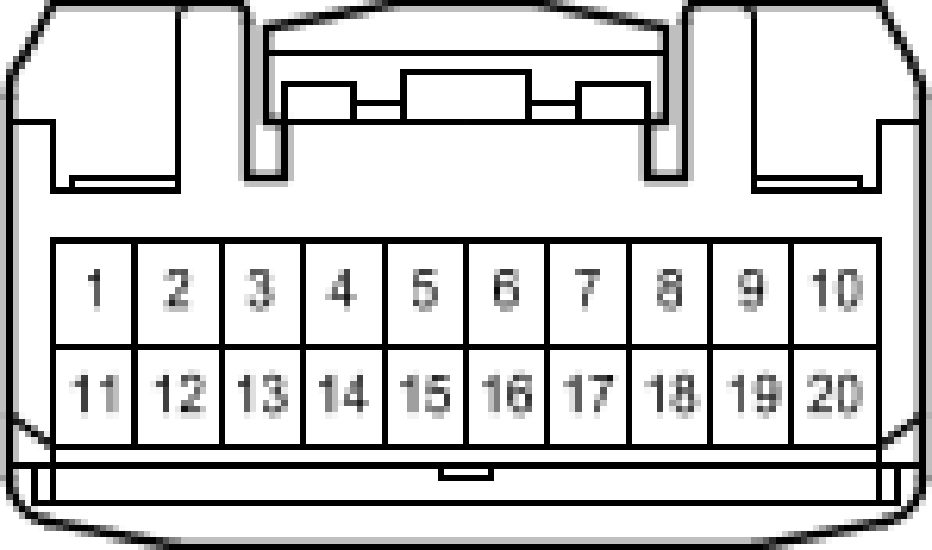
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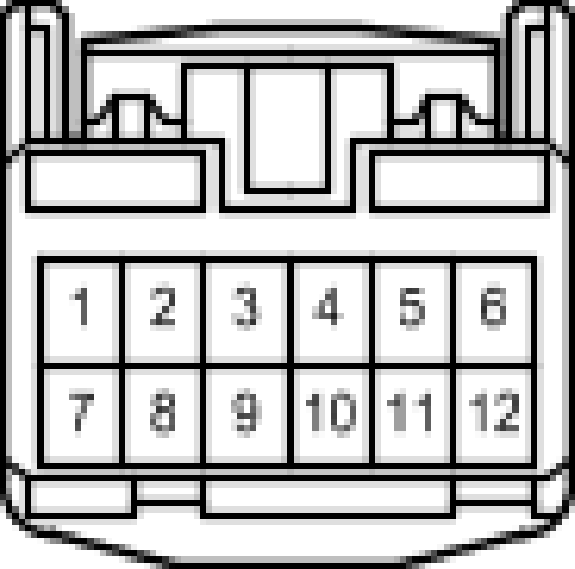
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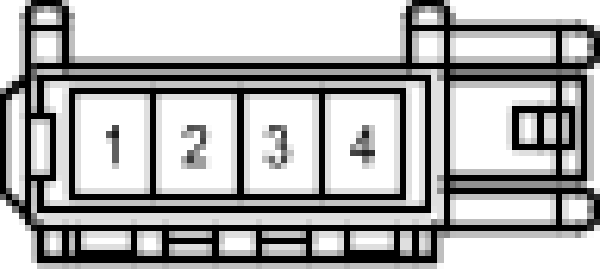
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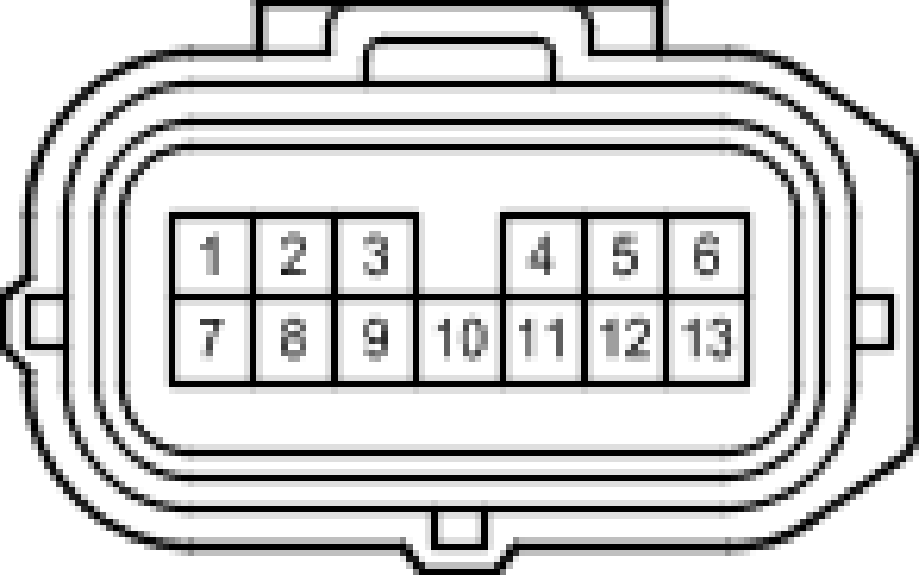
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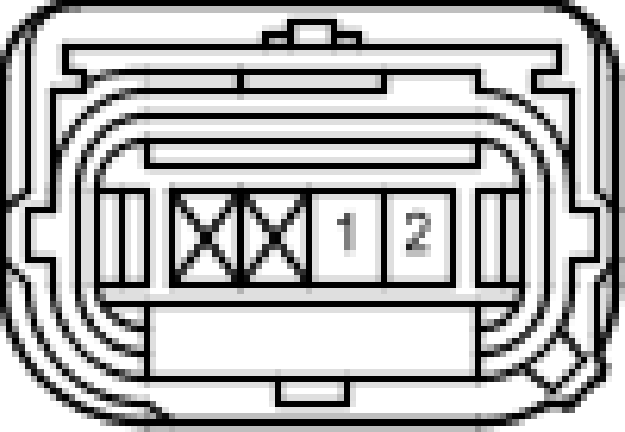
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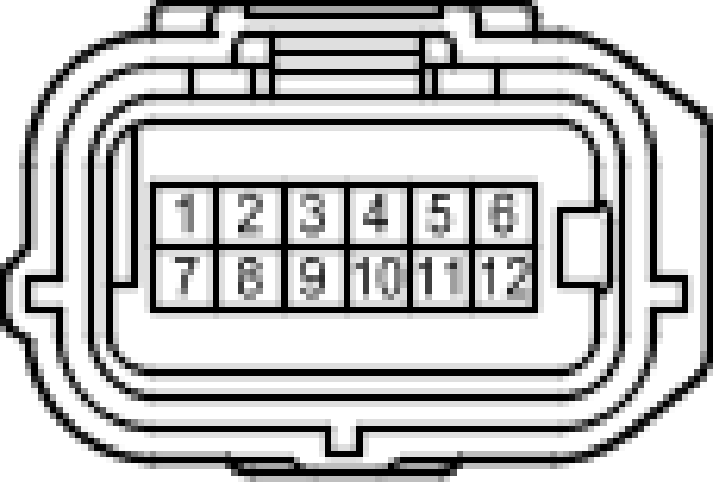
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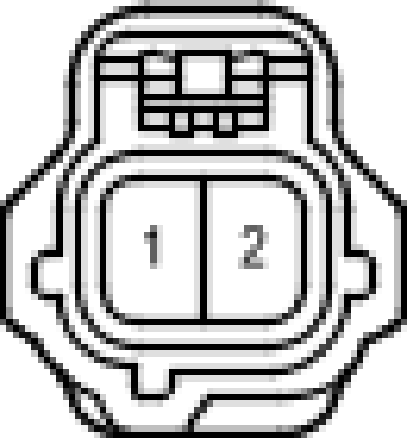
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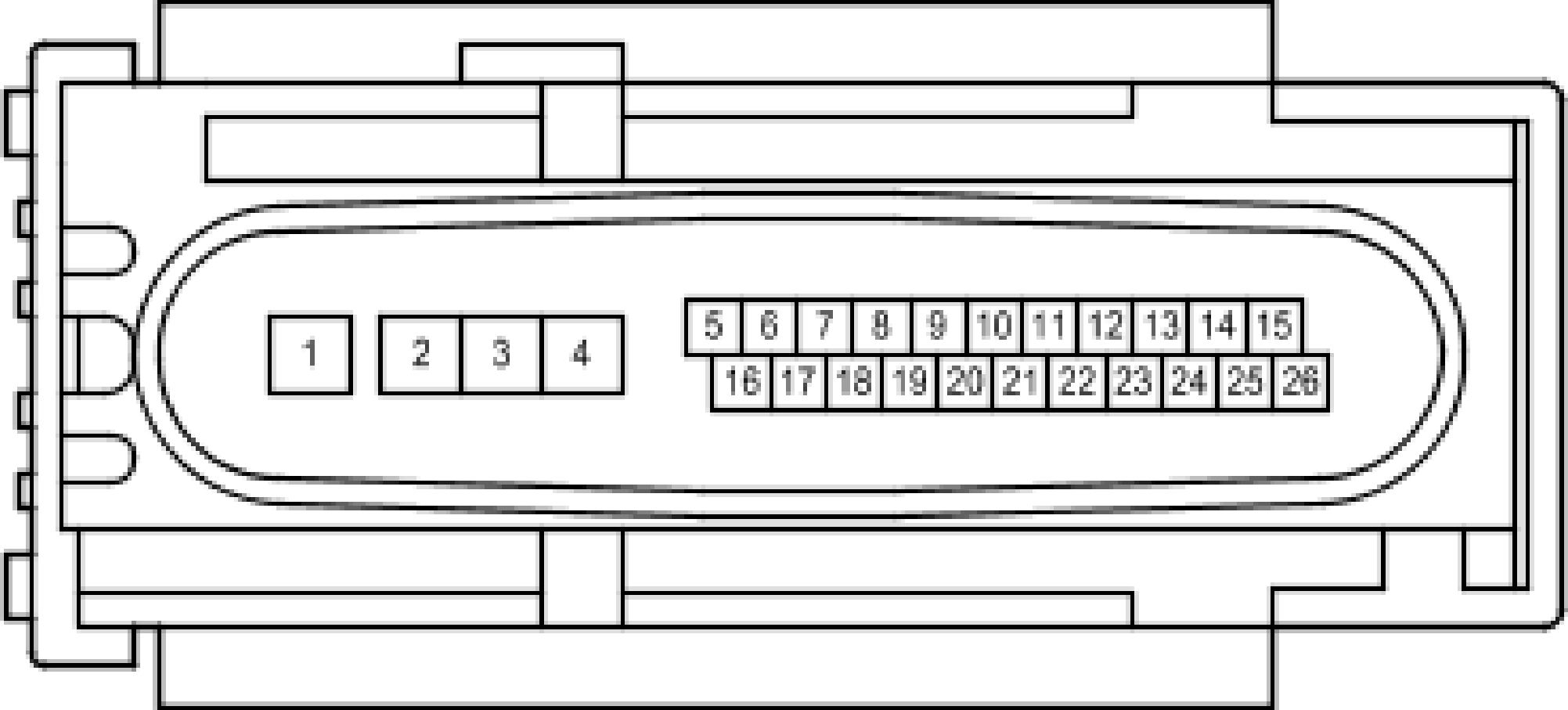
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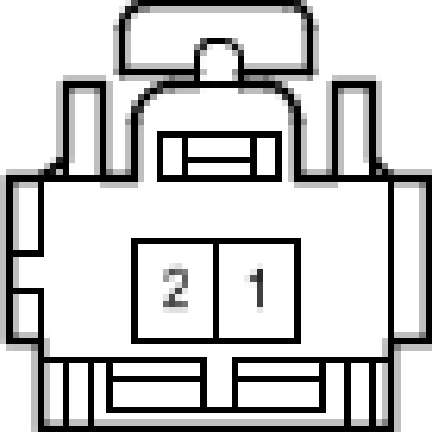
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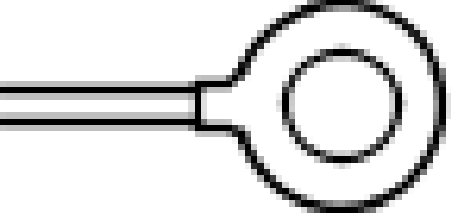

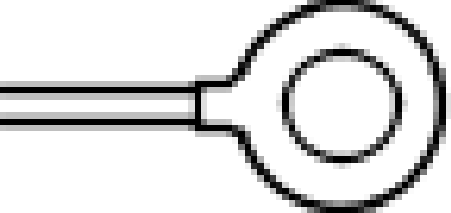

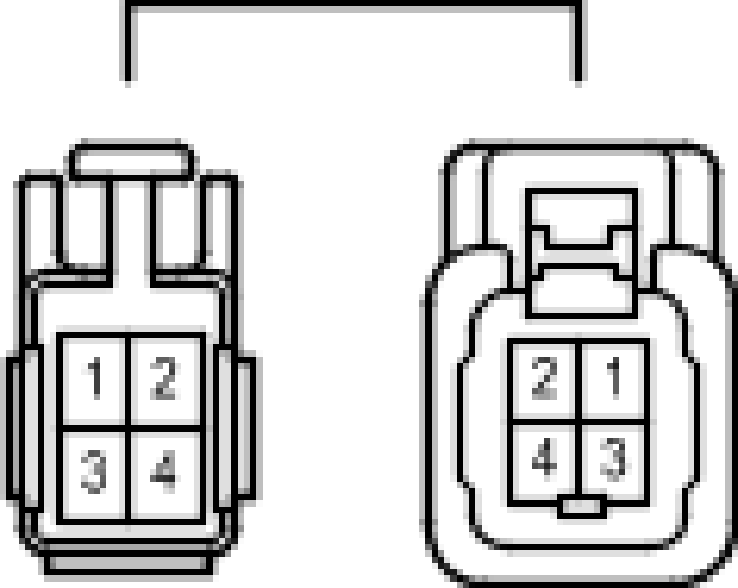
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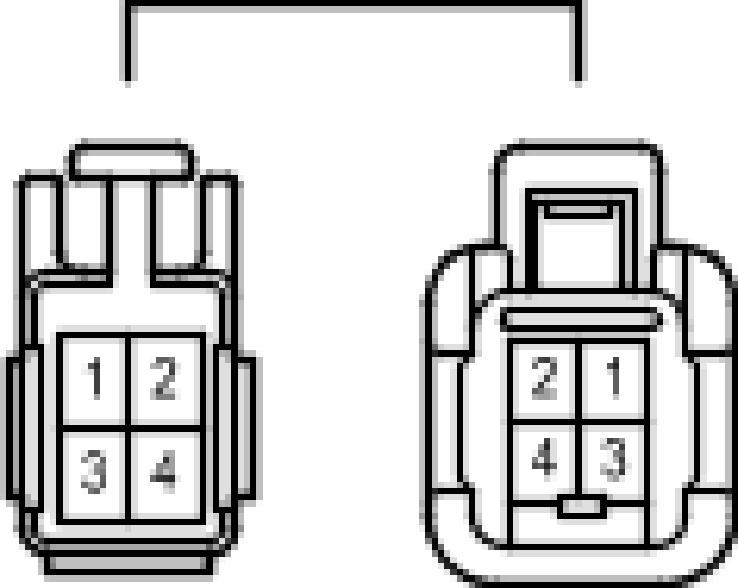
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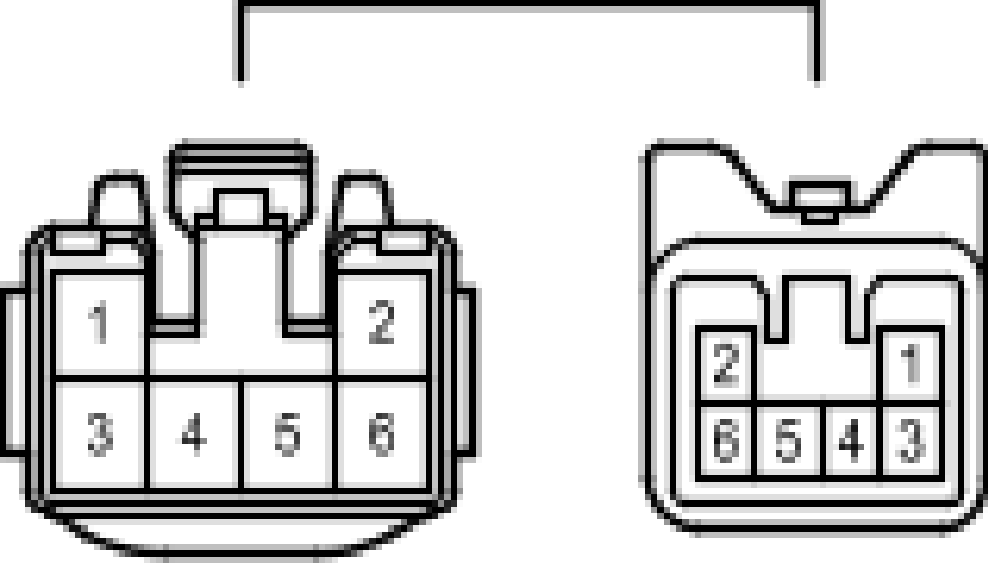
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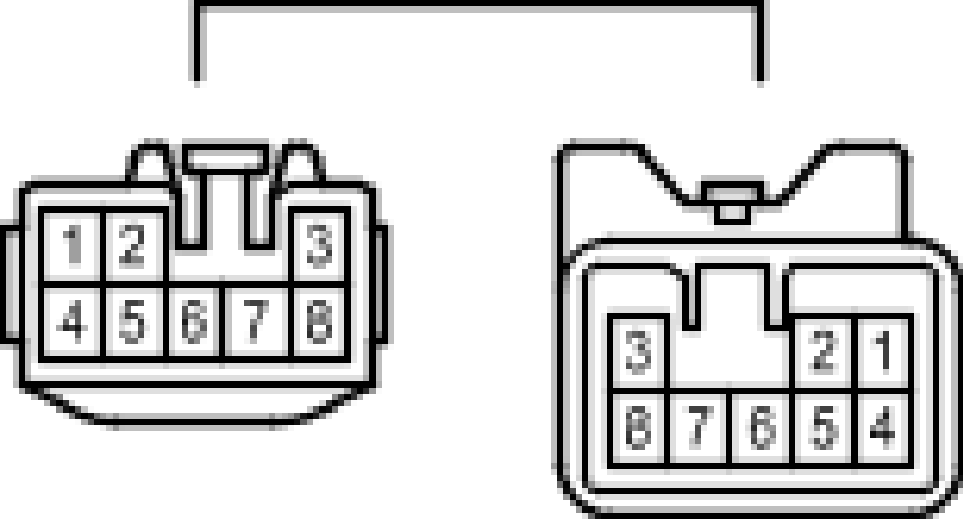
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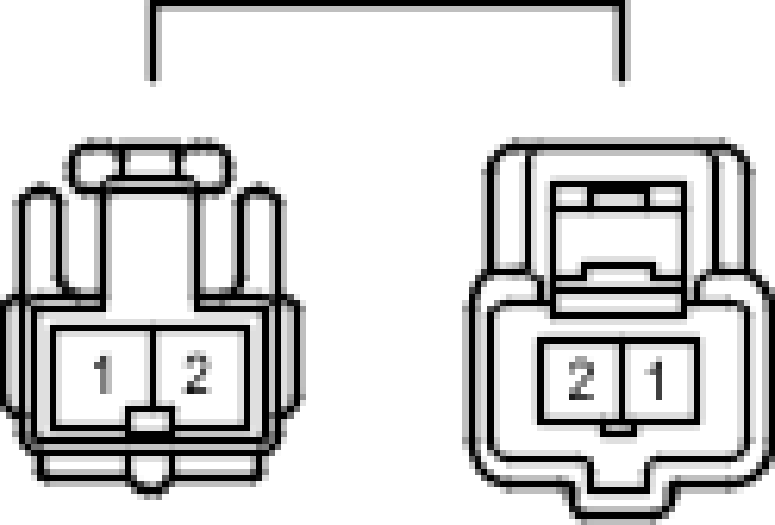
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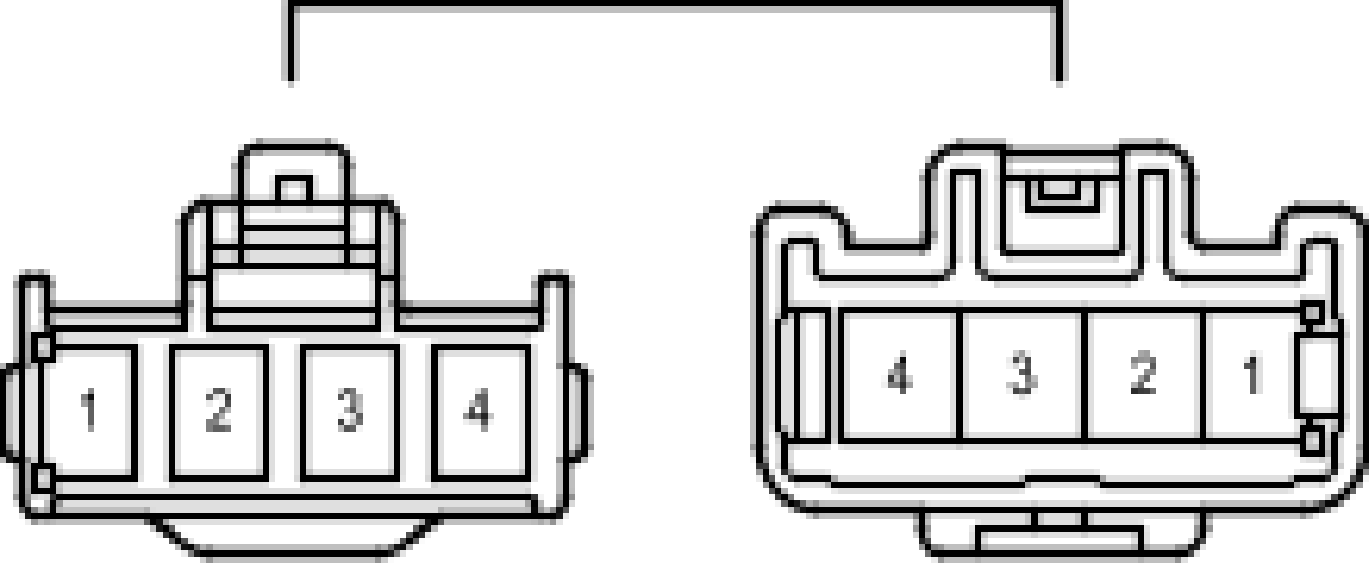
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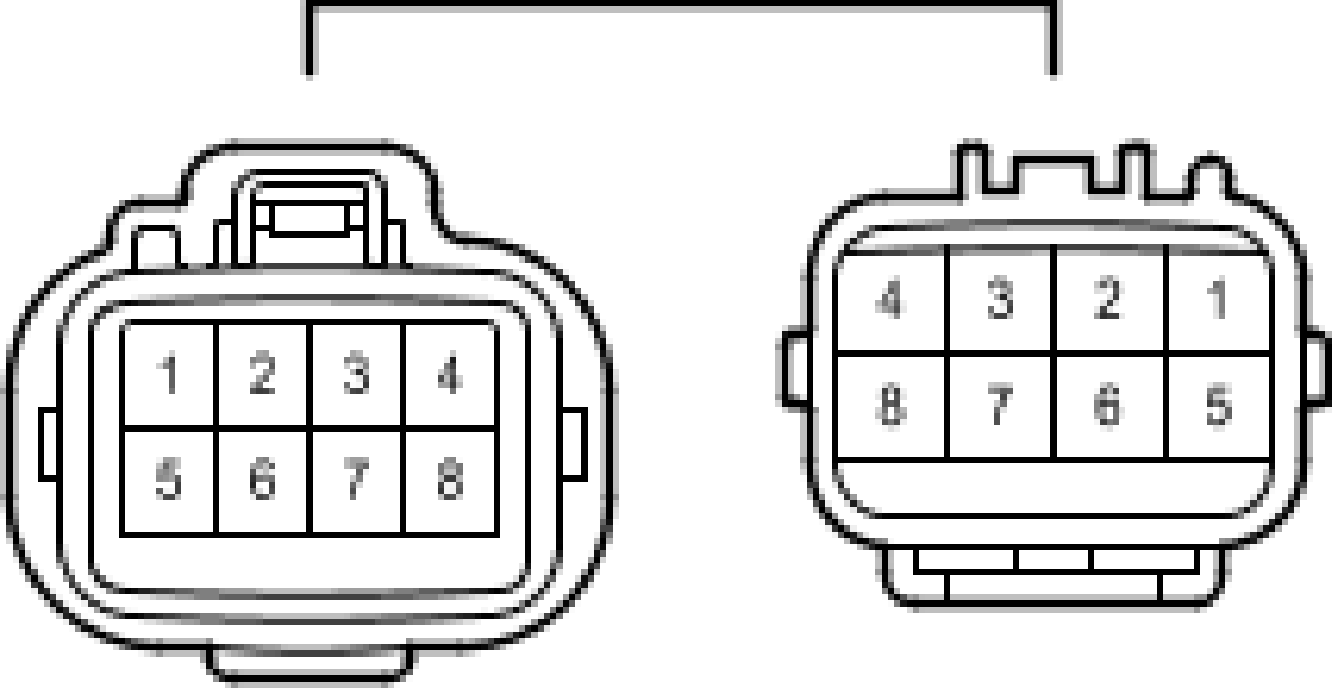
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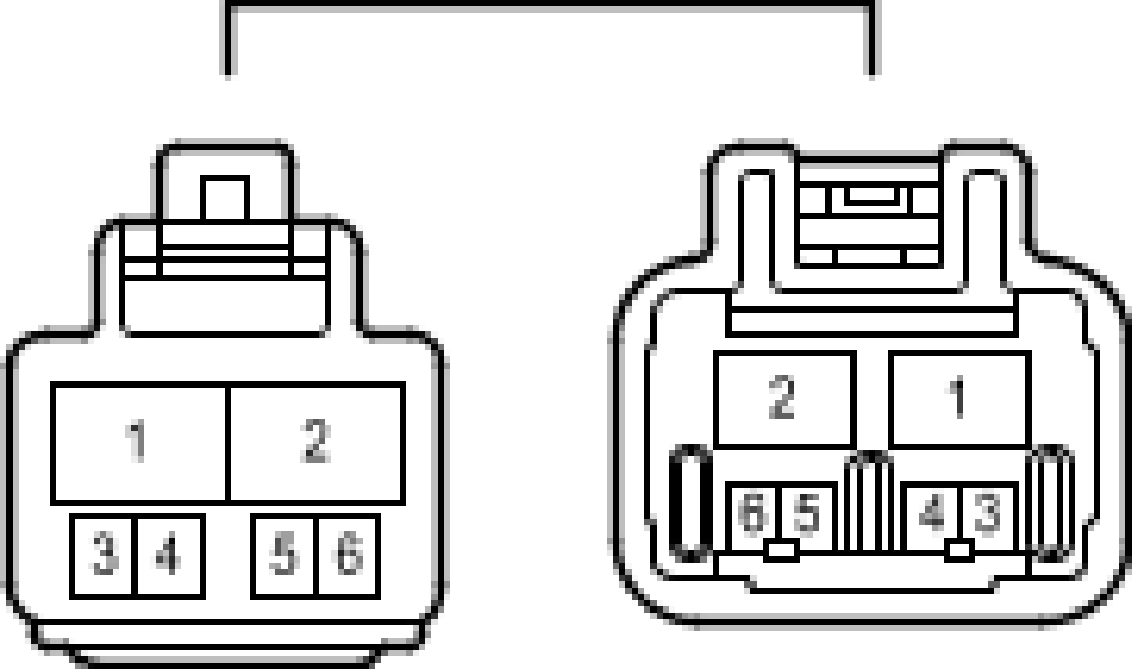
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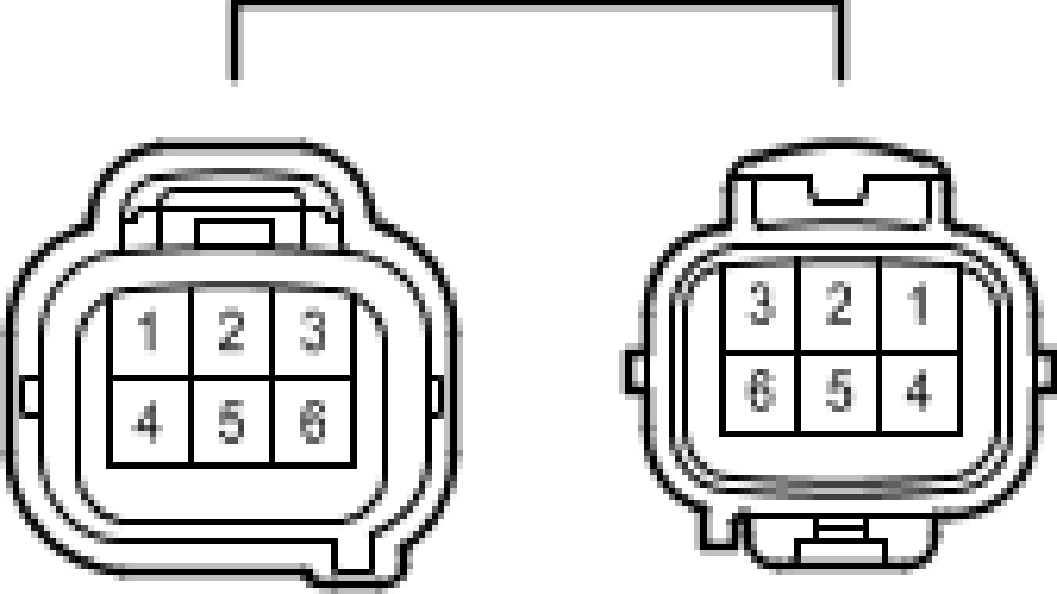
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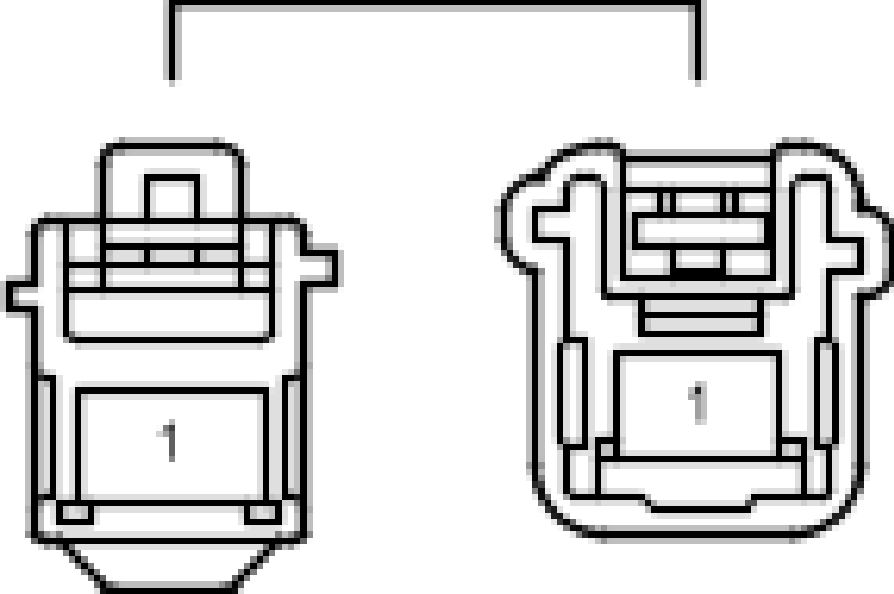
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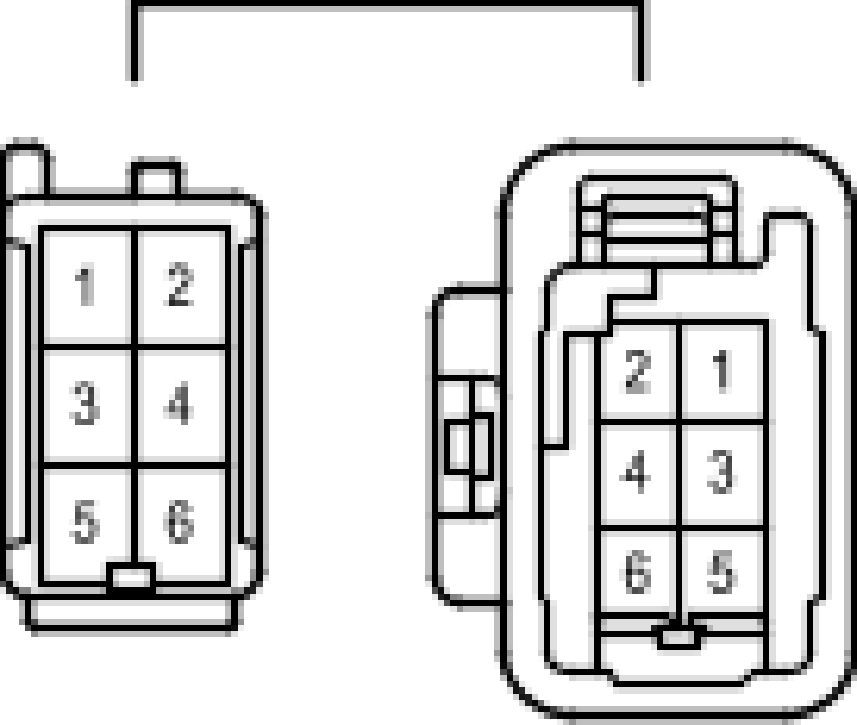
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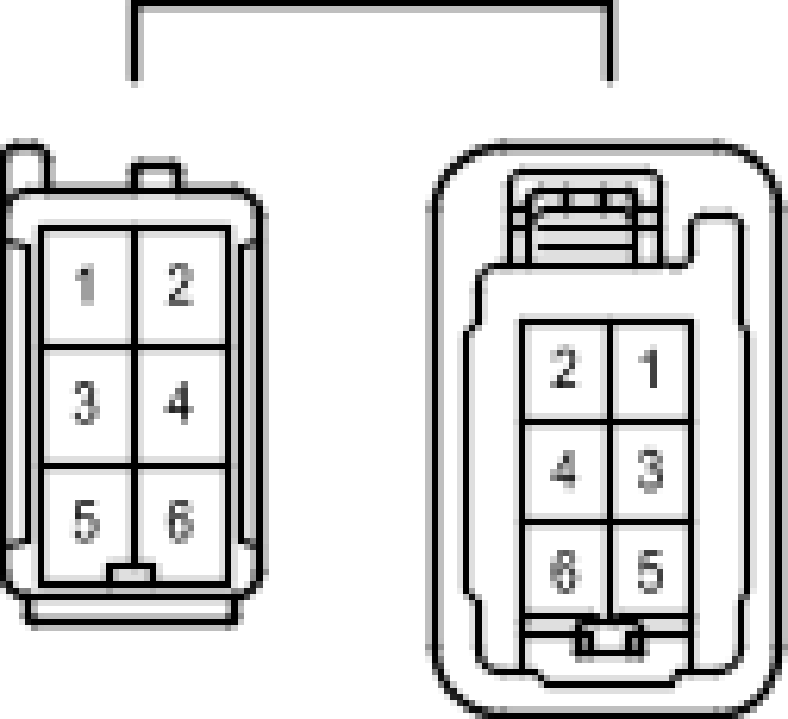
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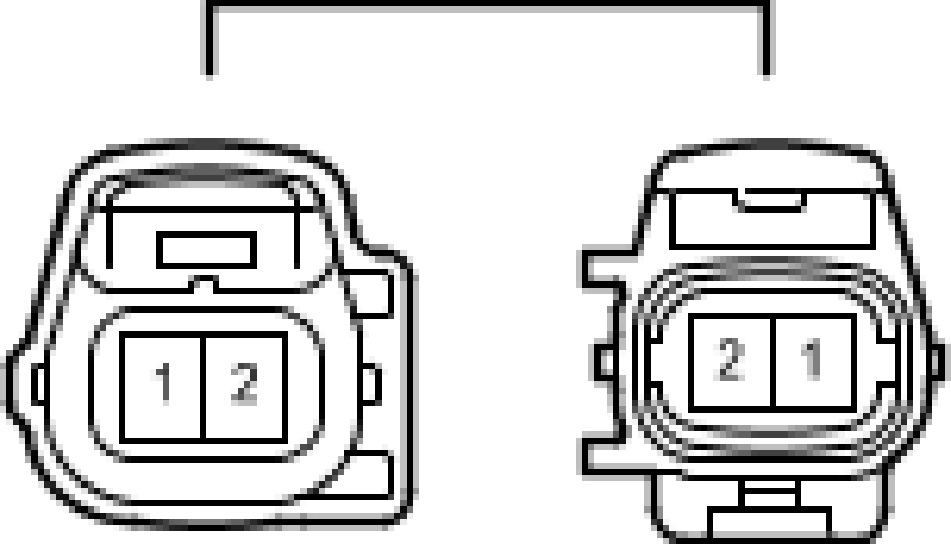
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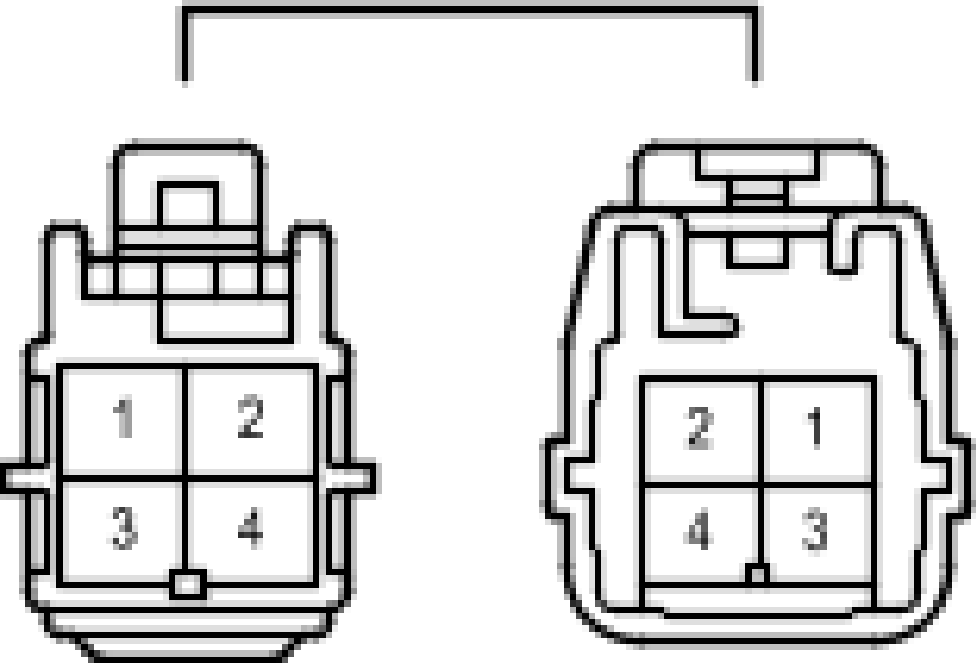
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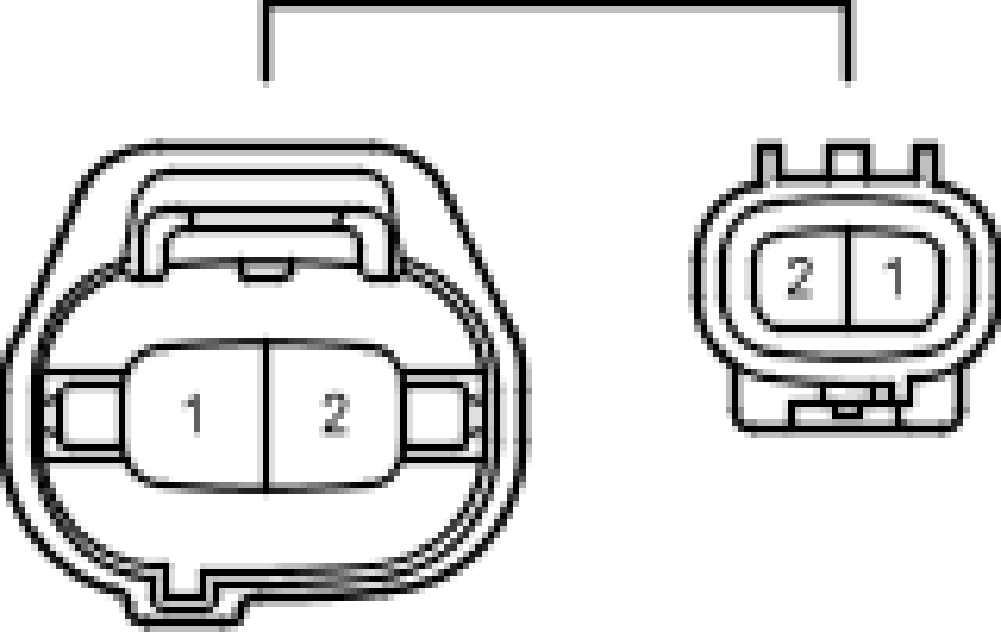
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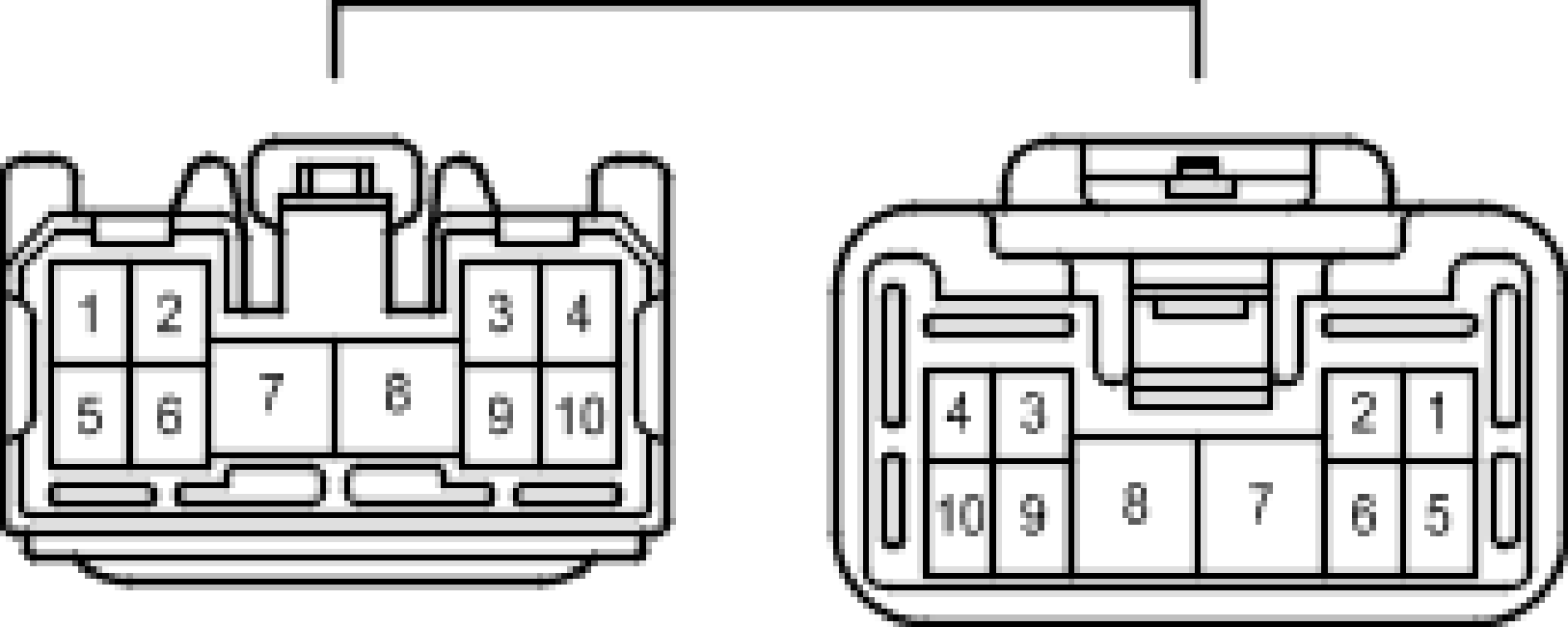
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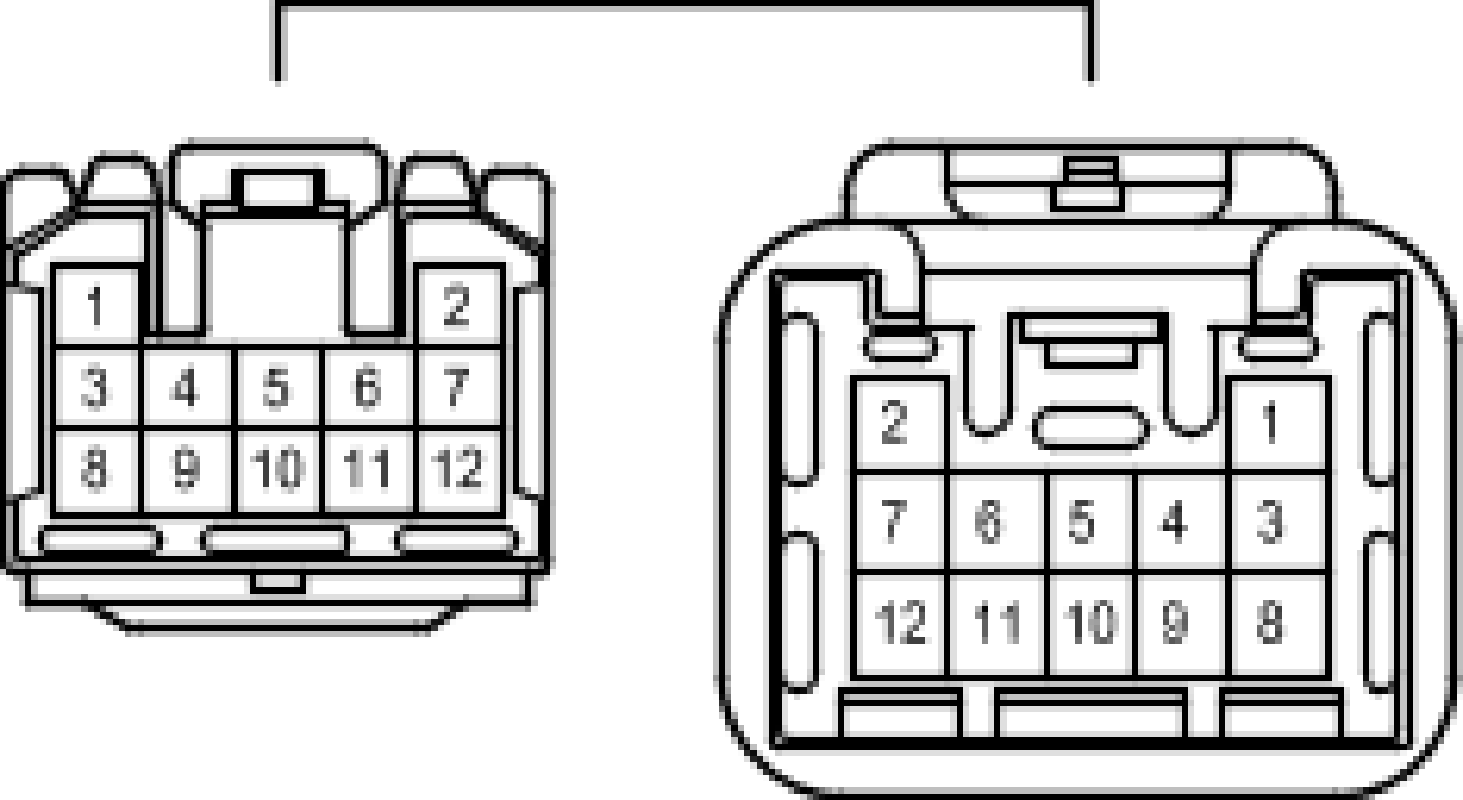
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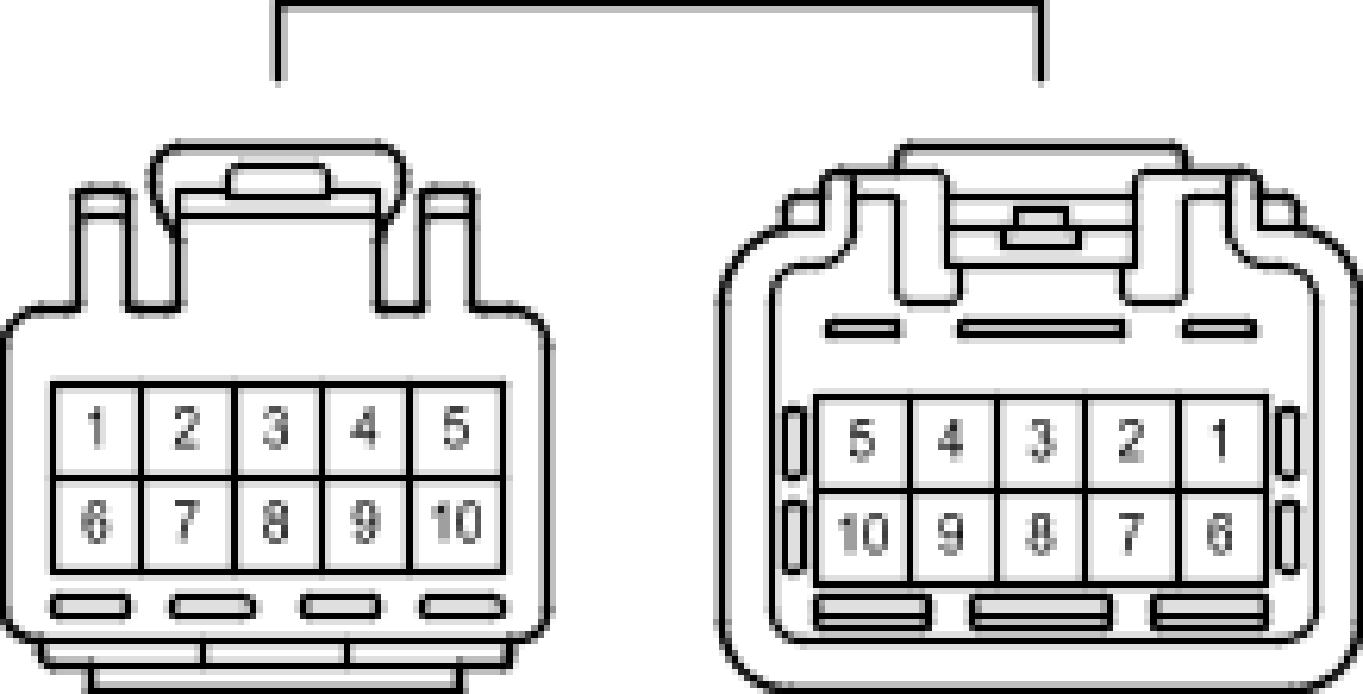
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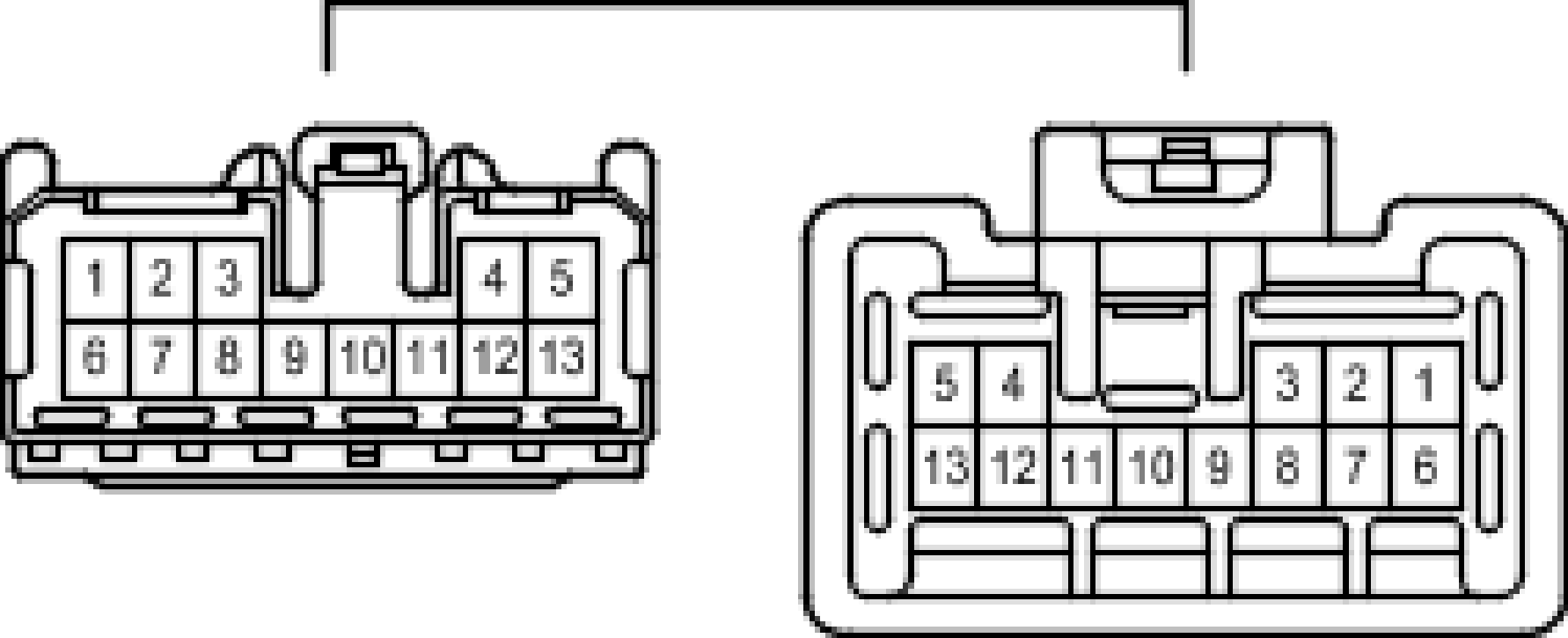
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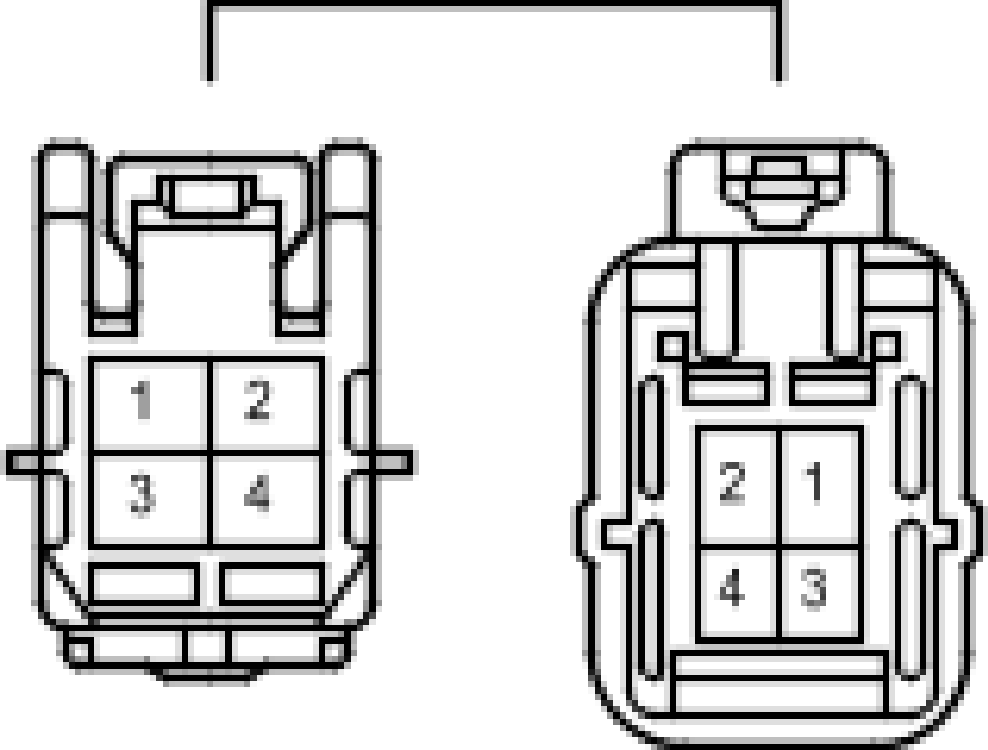
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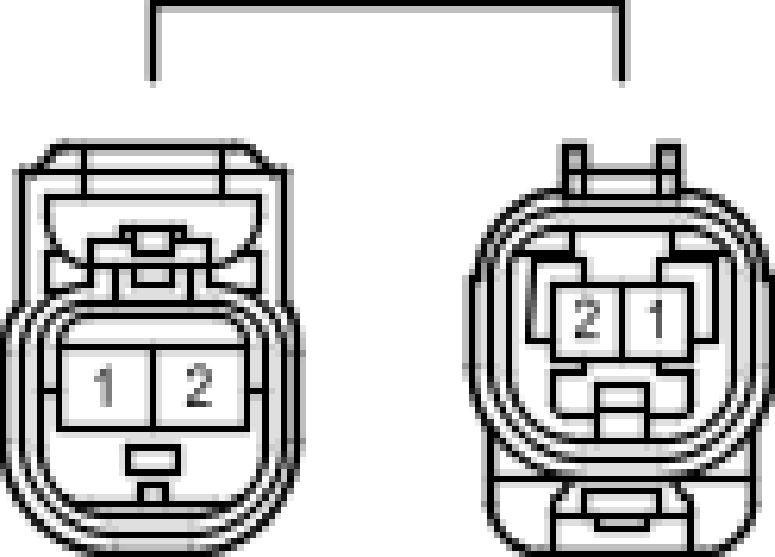
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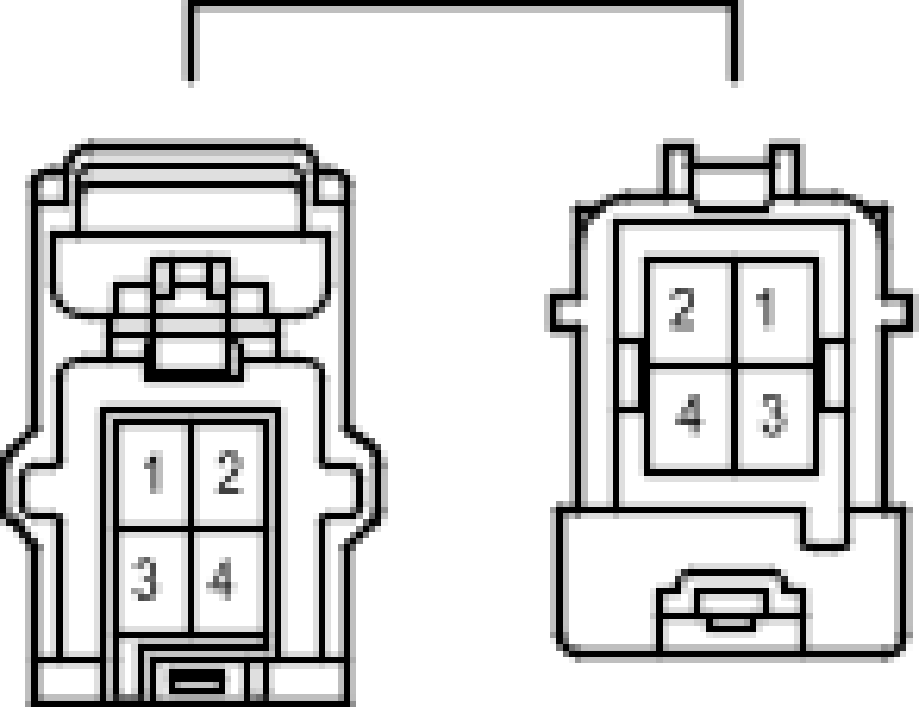
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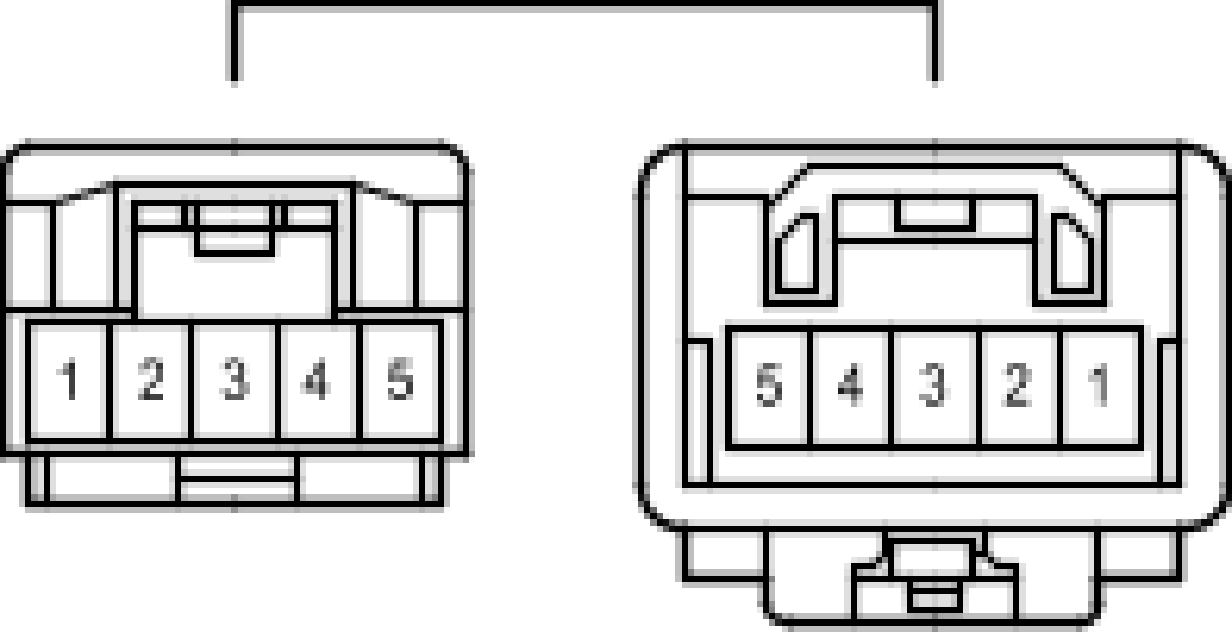
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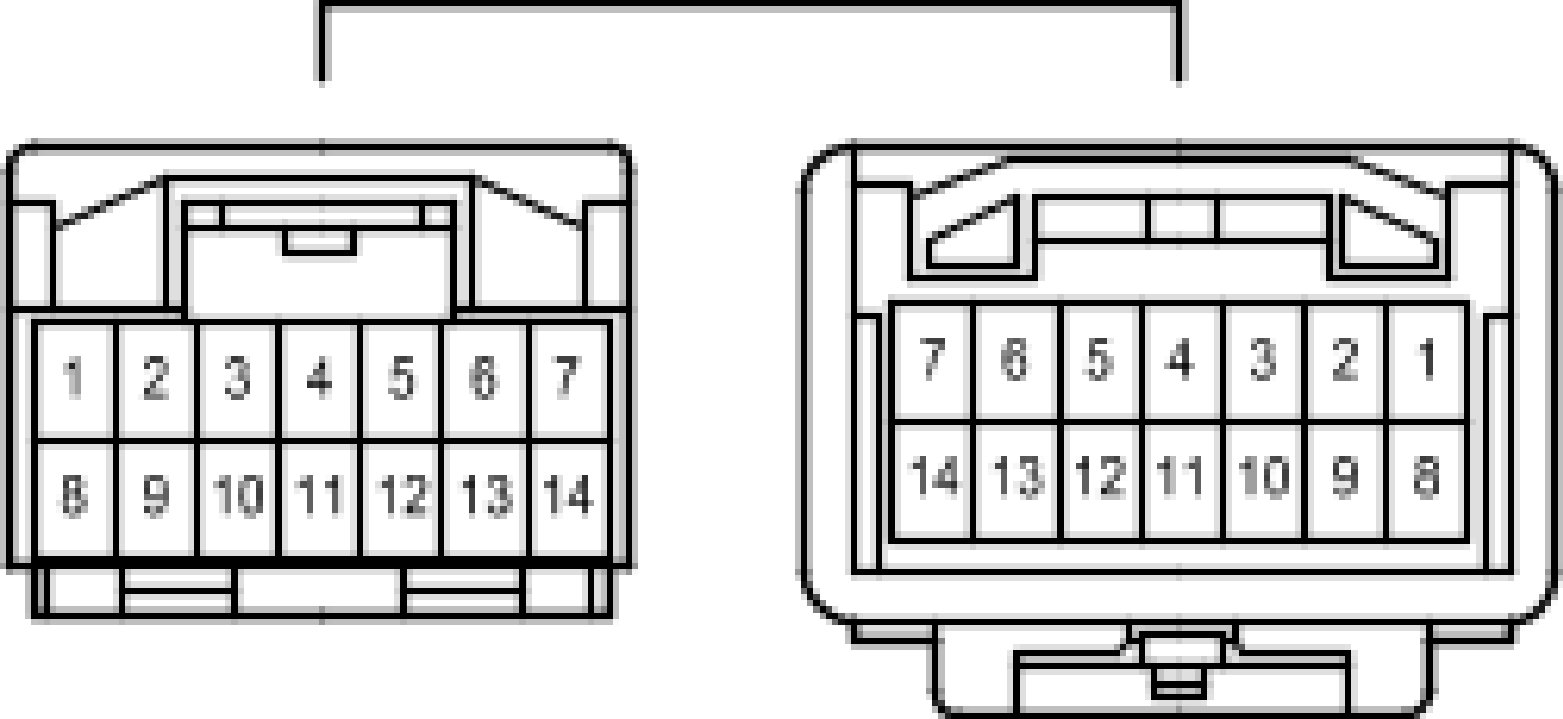
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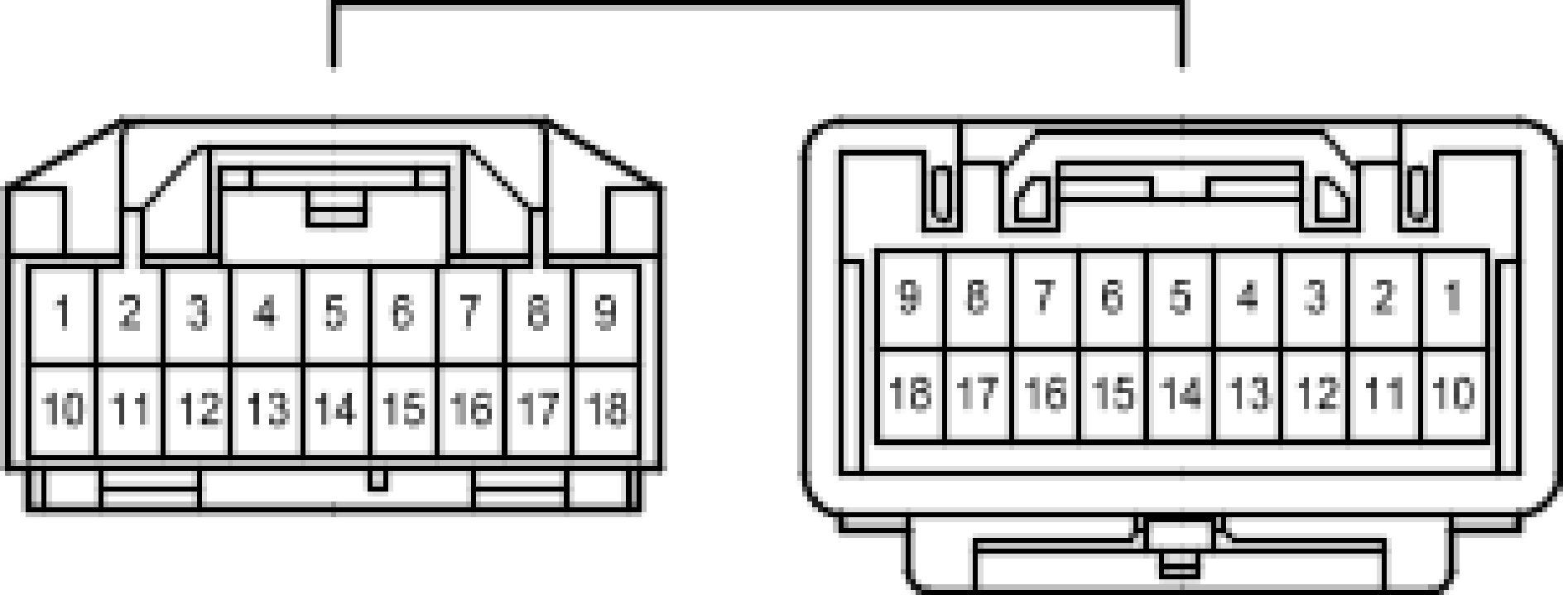
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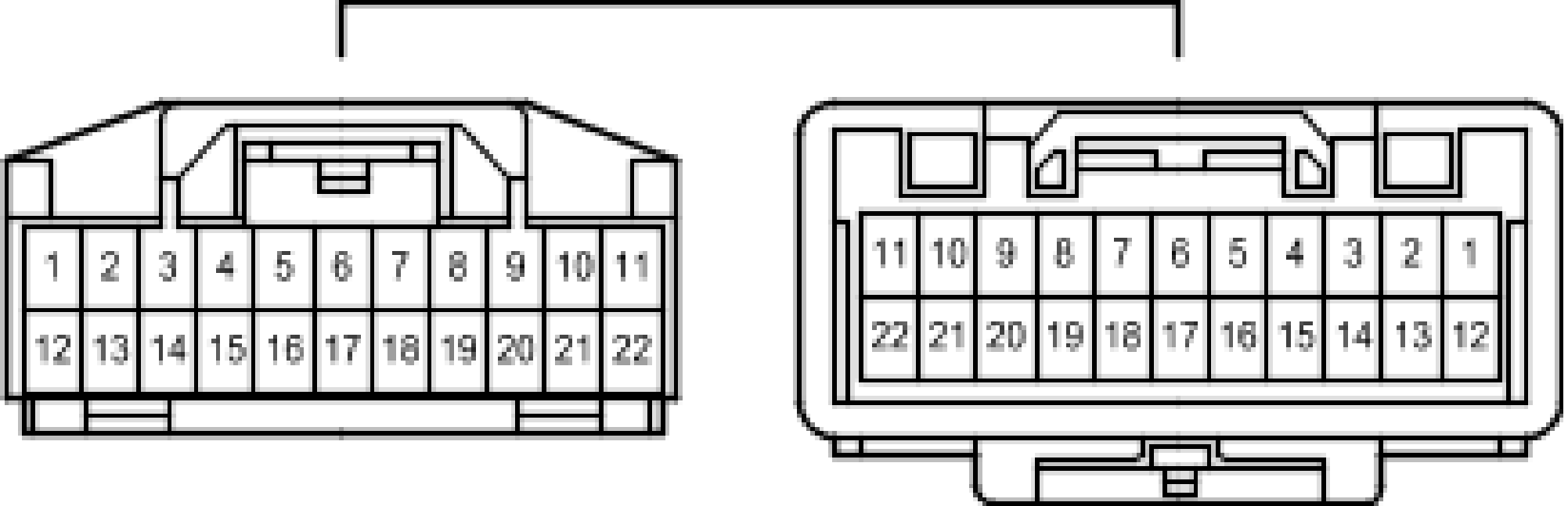
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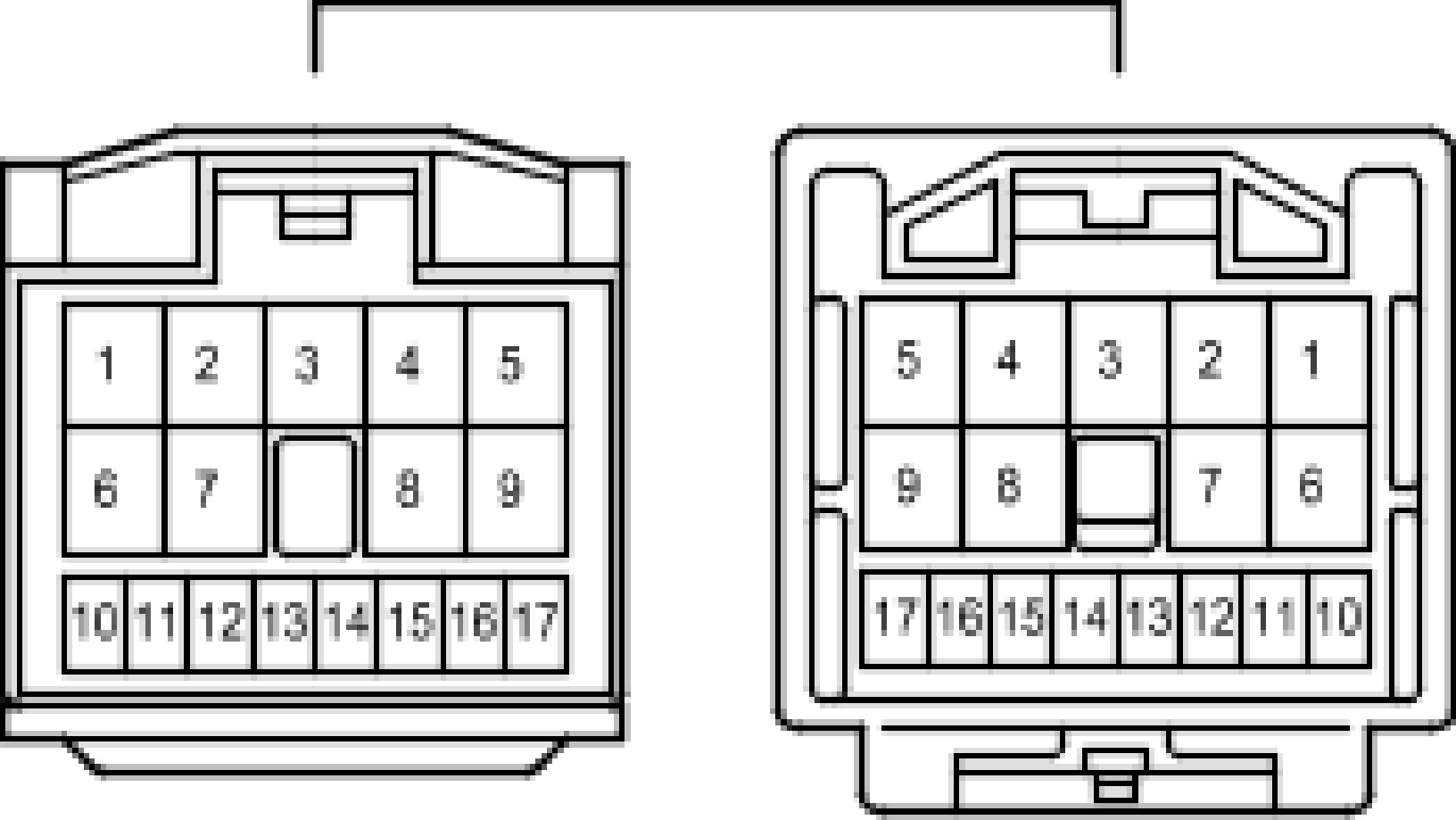
12 13 14 15 16 17 18 19 20 21 22
11 10 9 8 7 6 5 4 3 2 1
22 21 20 19 18 17 16 15 14 13 12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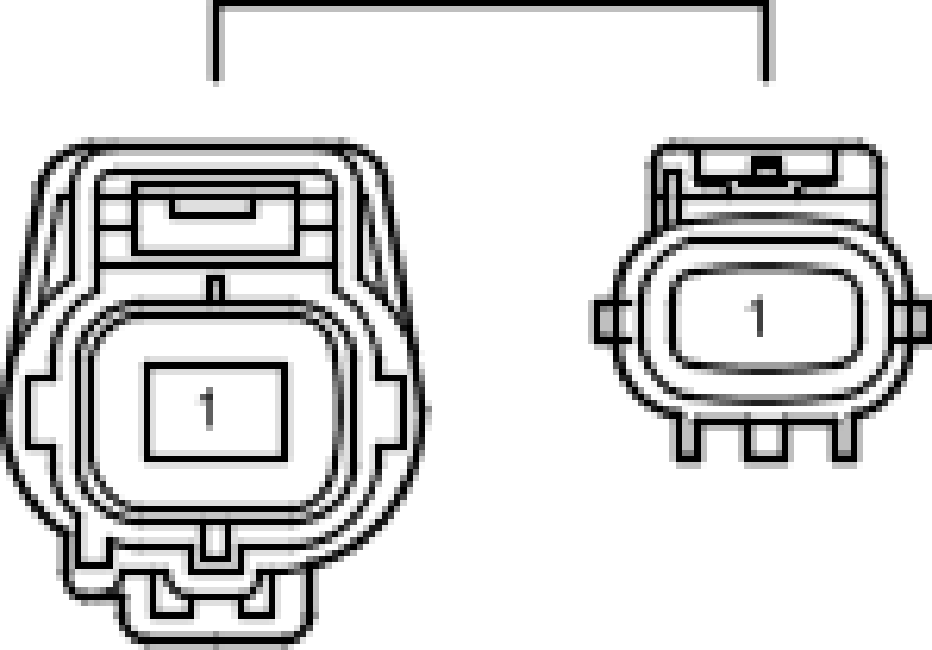
17 16 15 14 13 12 11 10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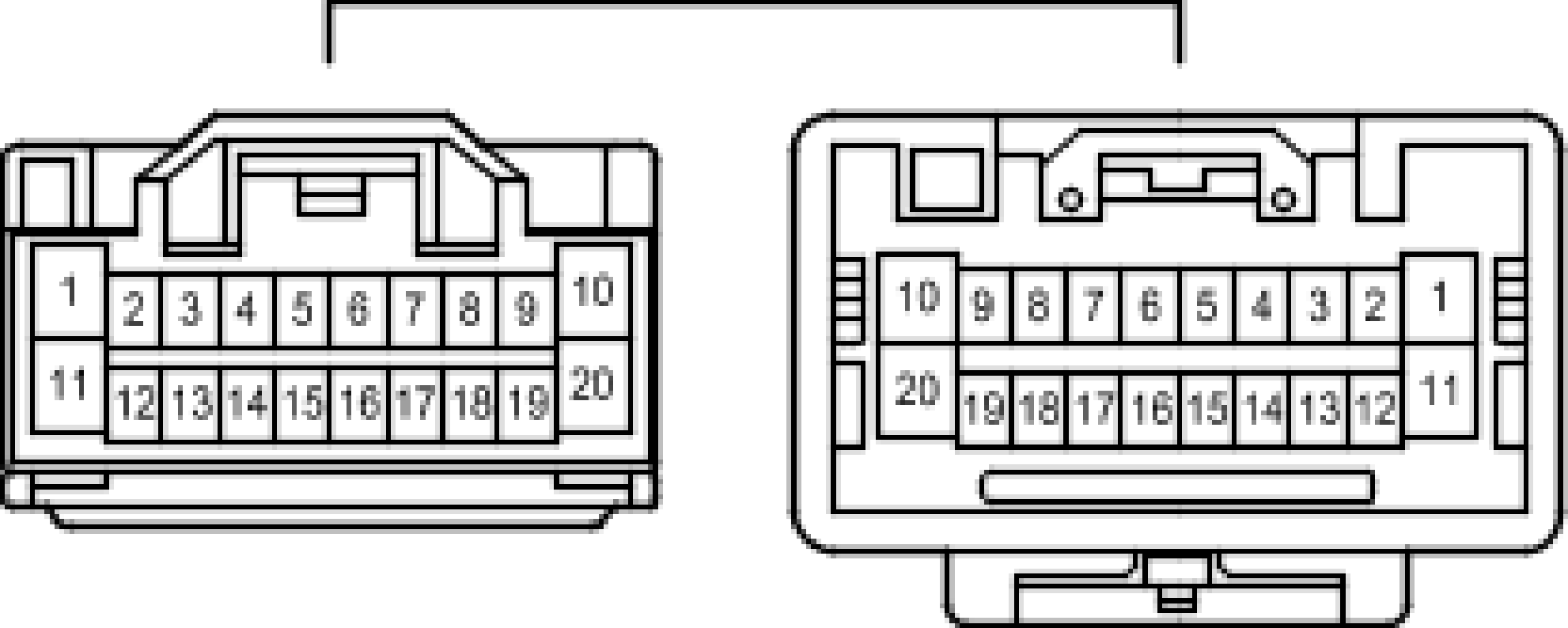
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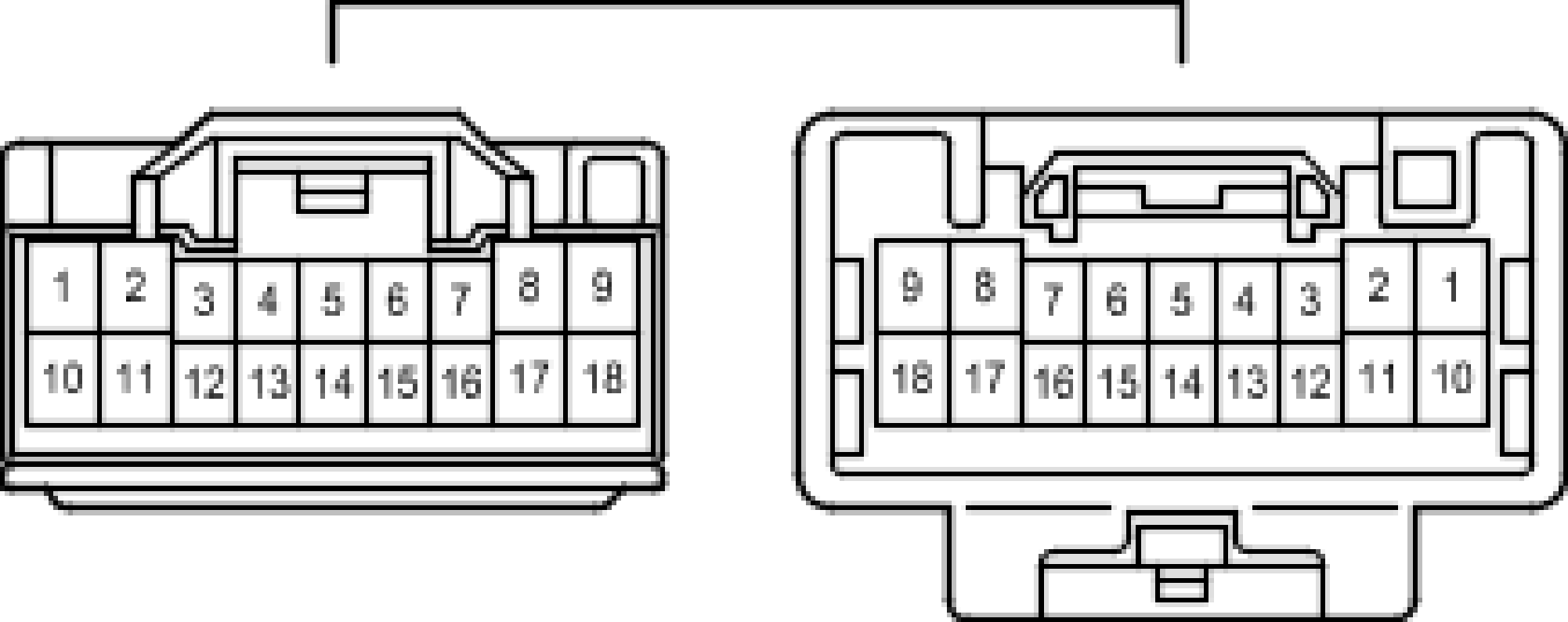
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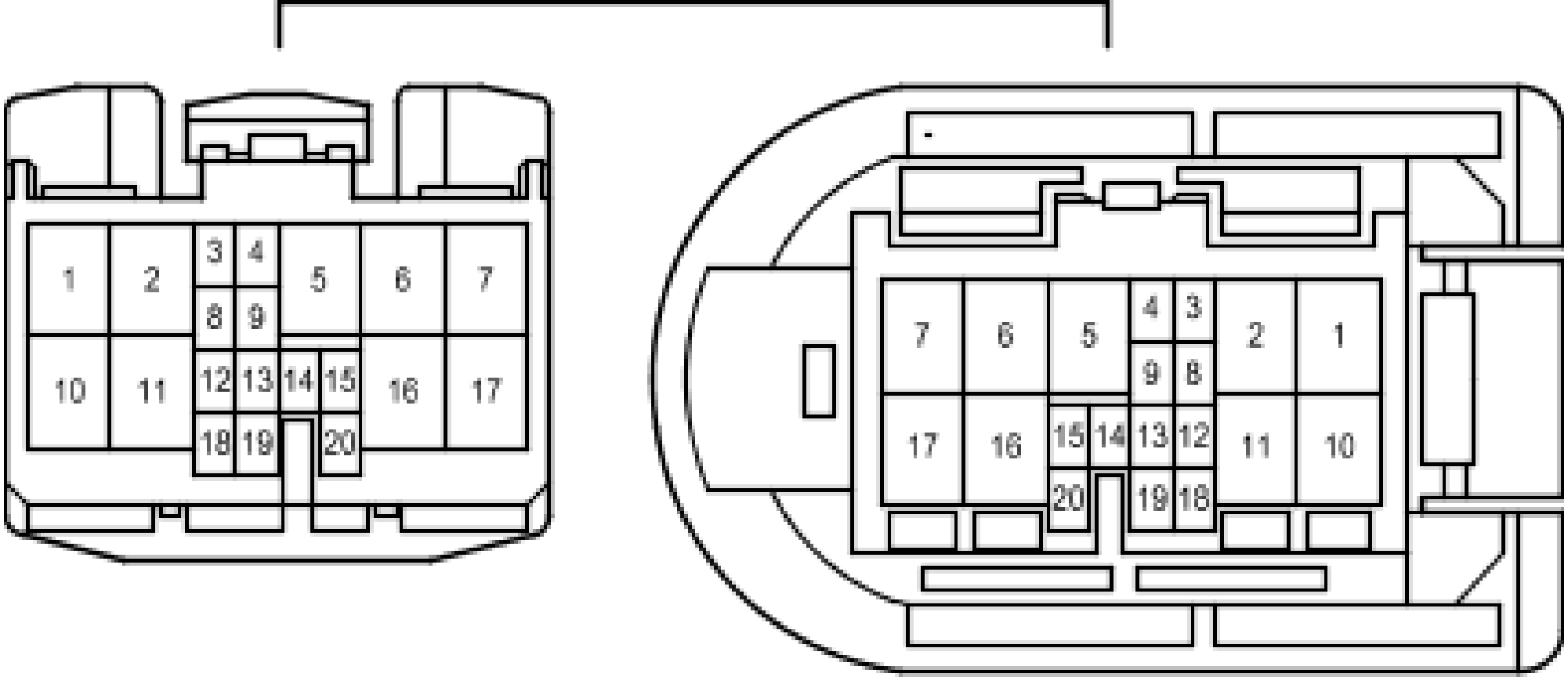
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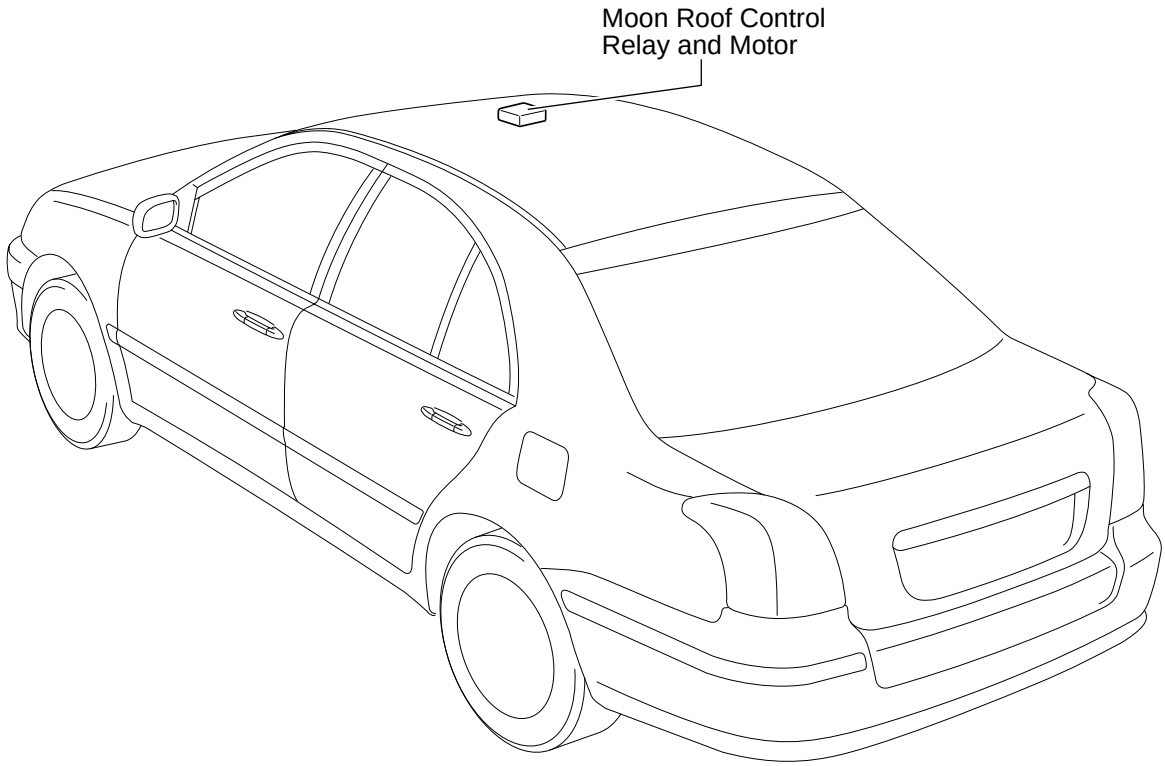
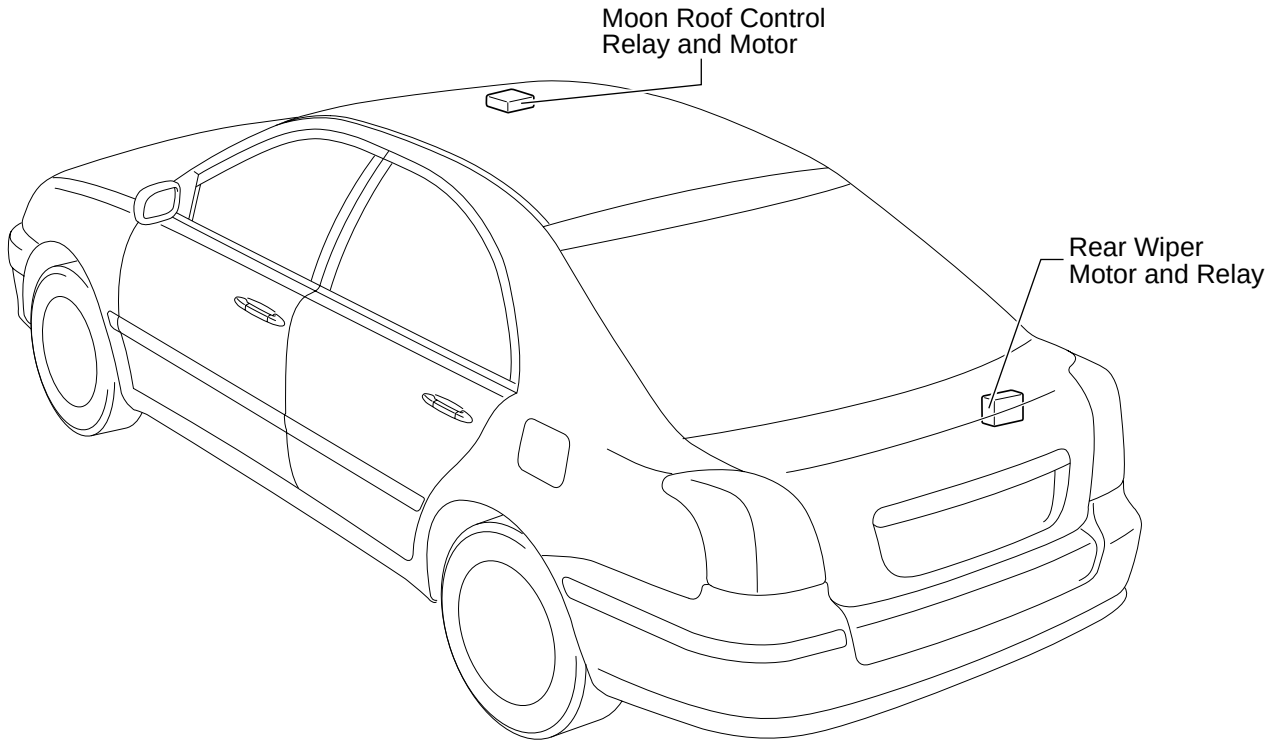
19
18

D RELAY LOCATIONS

[Body]
(S/D)

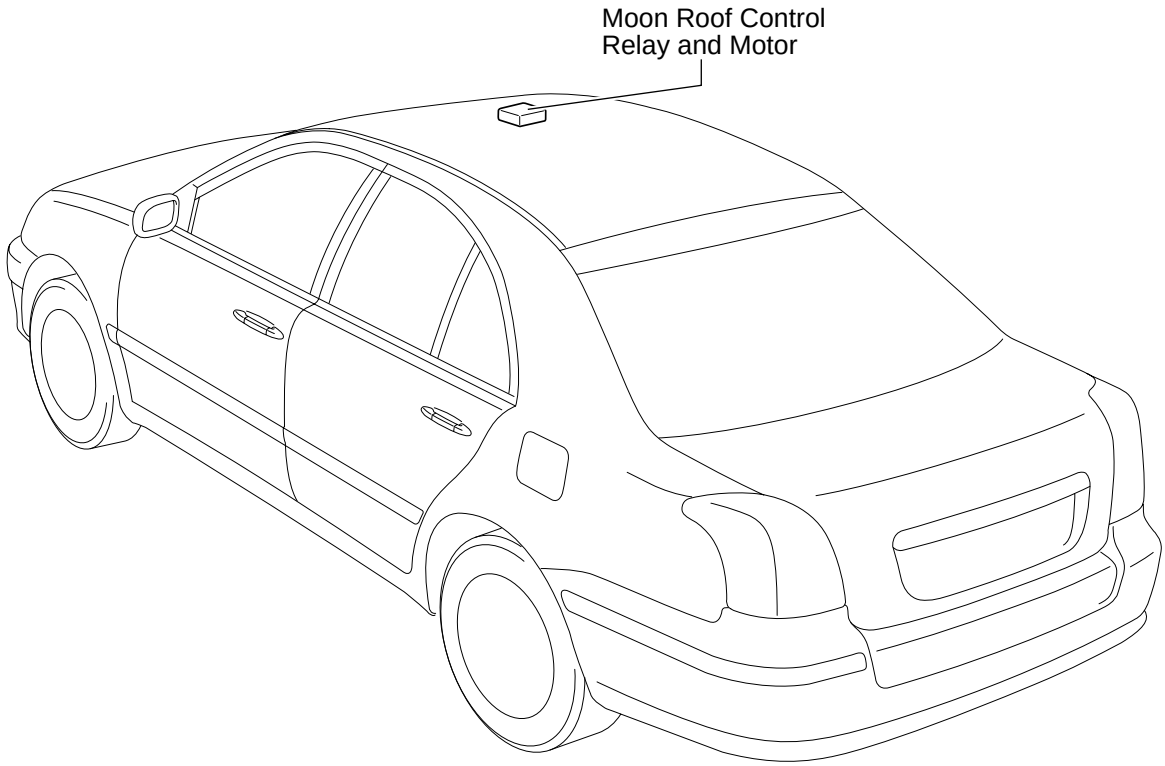


(L/B)

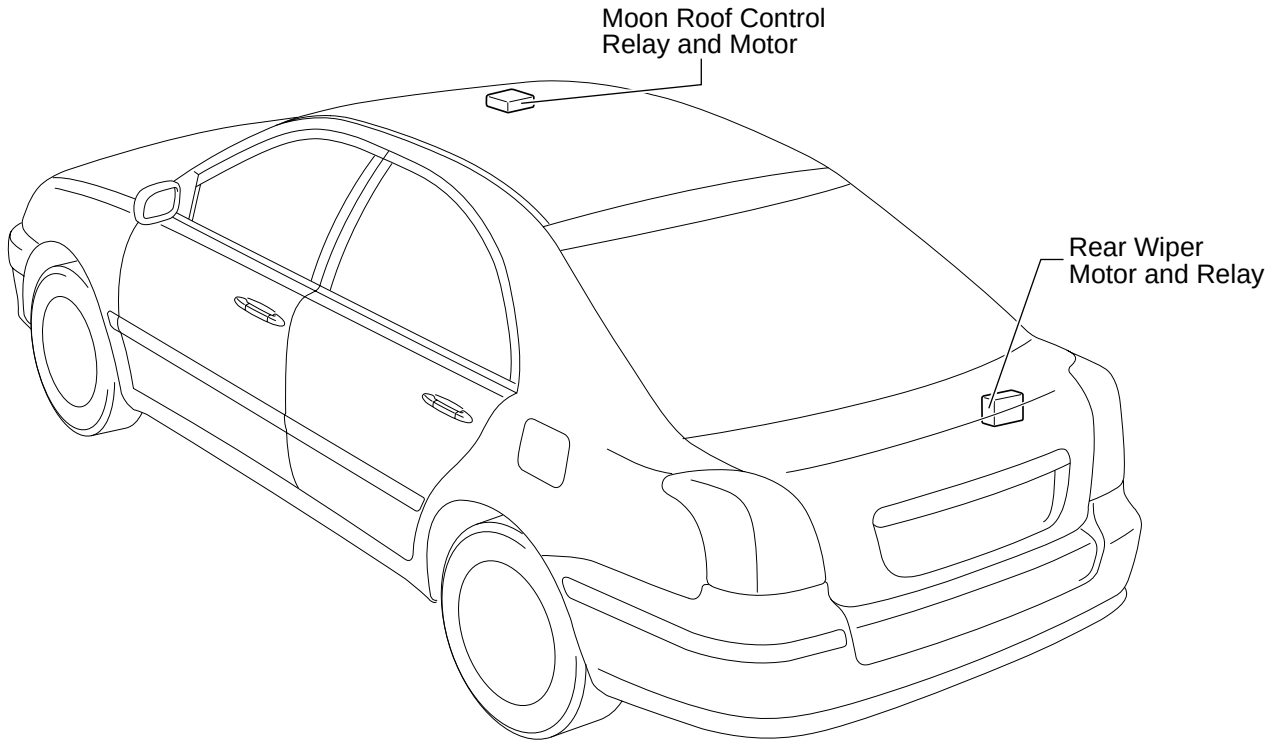


D RELAY LOCATIONS

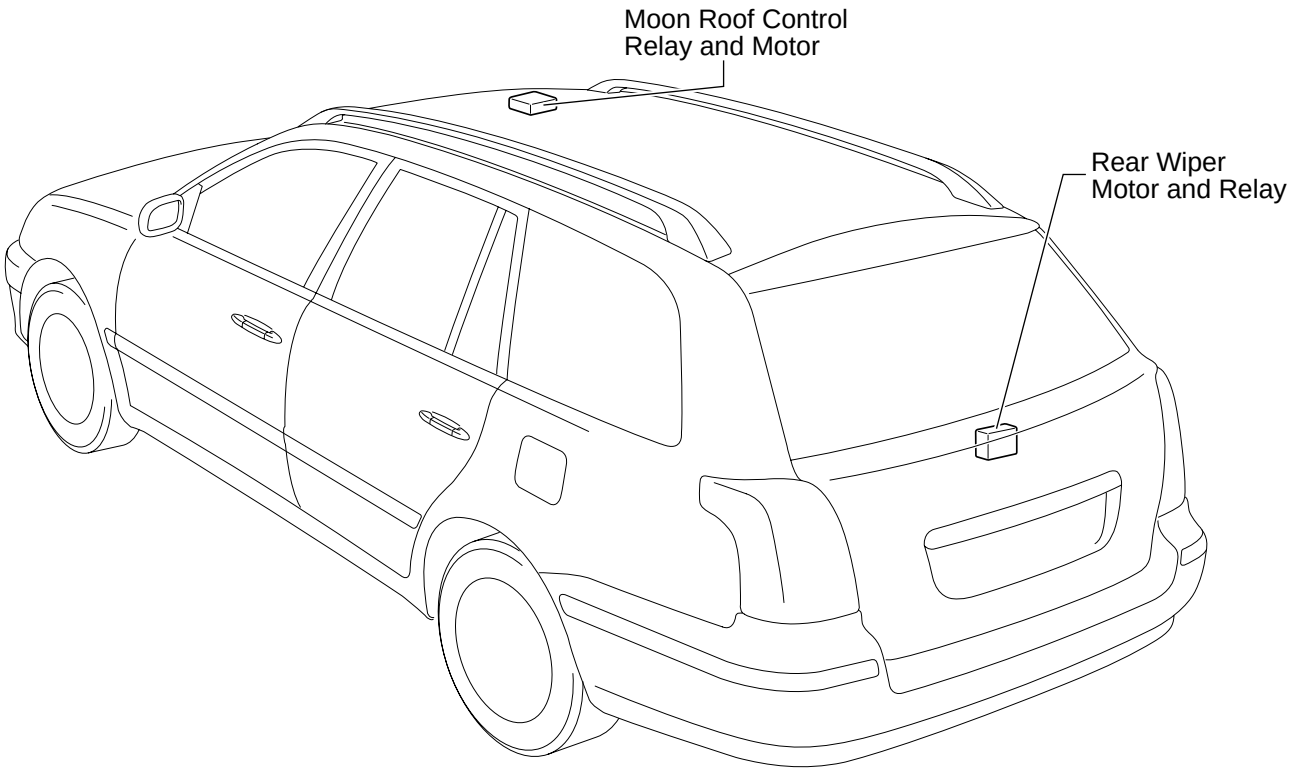
[Body]
(S/D)



(L/B)

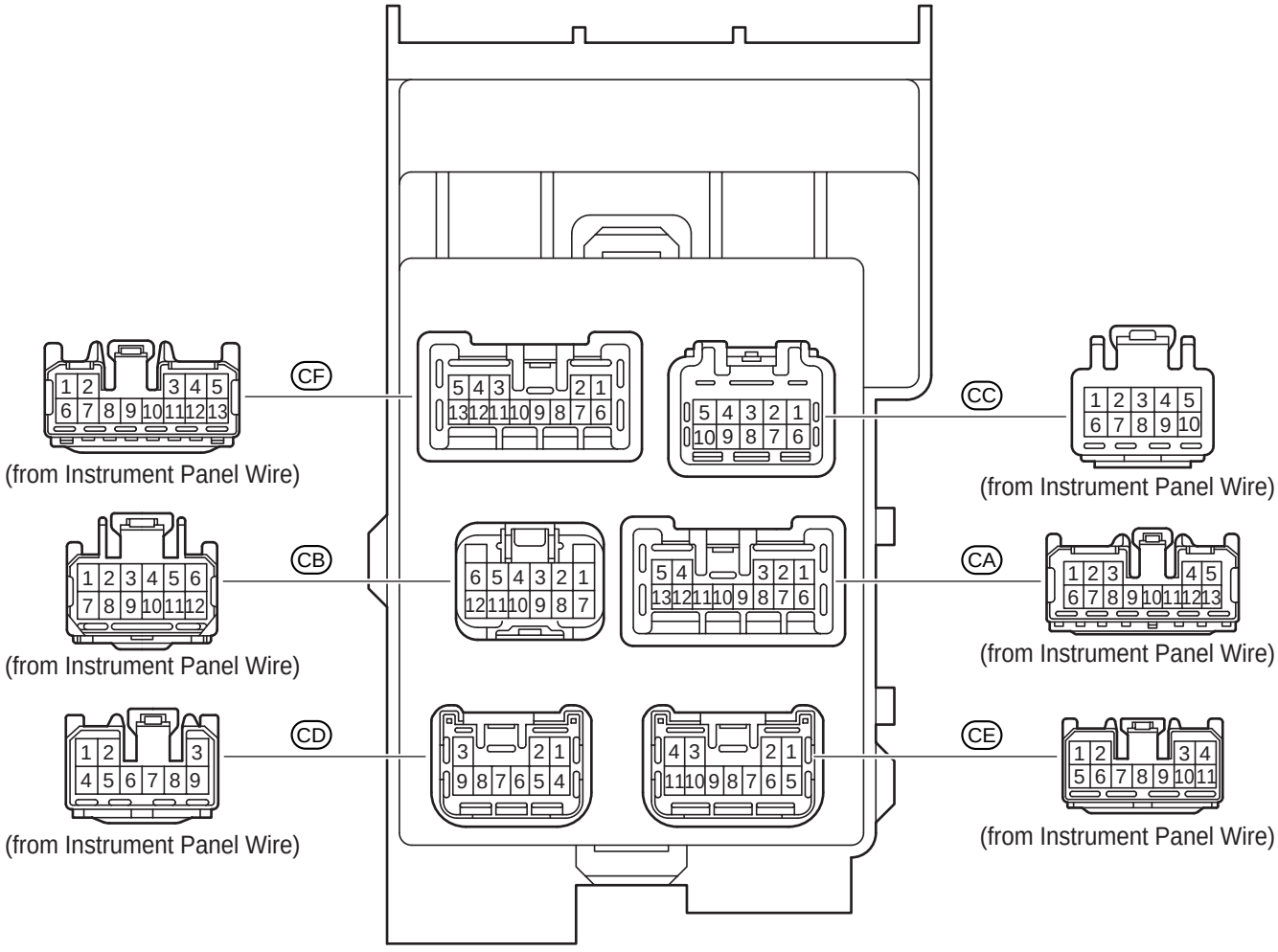


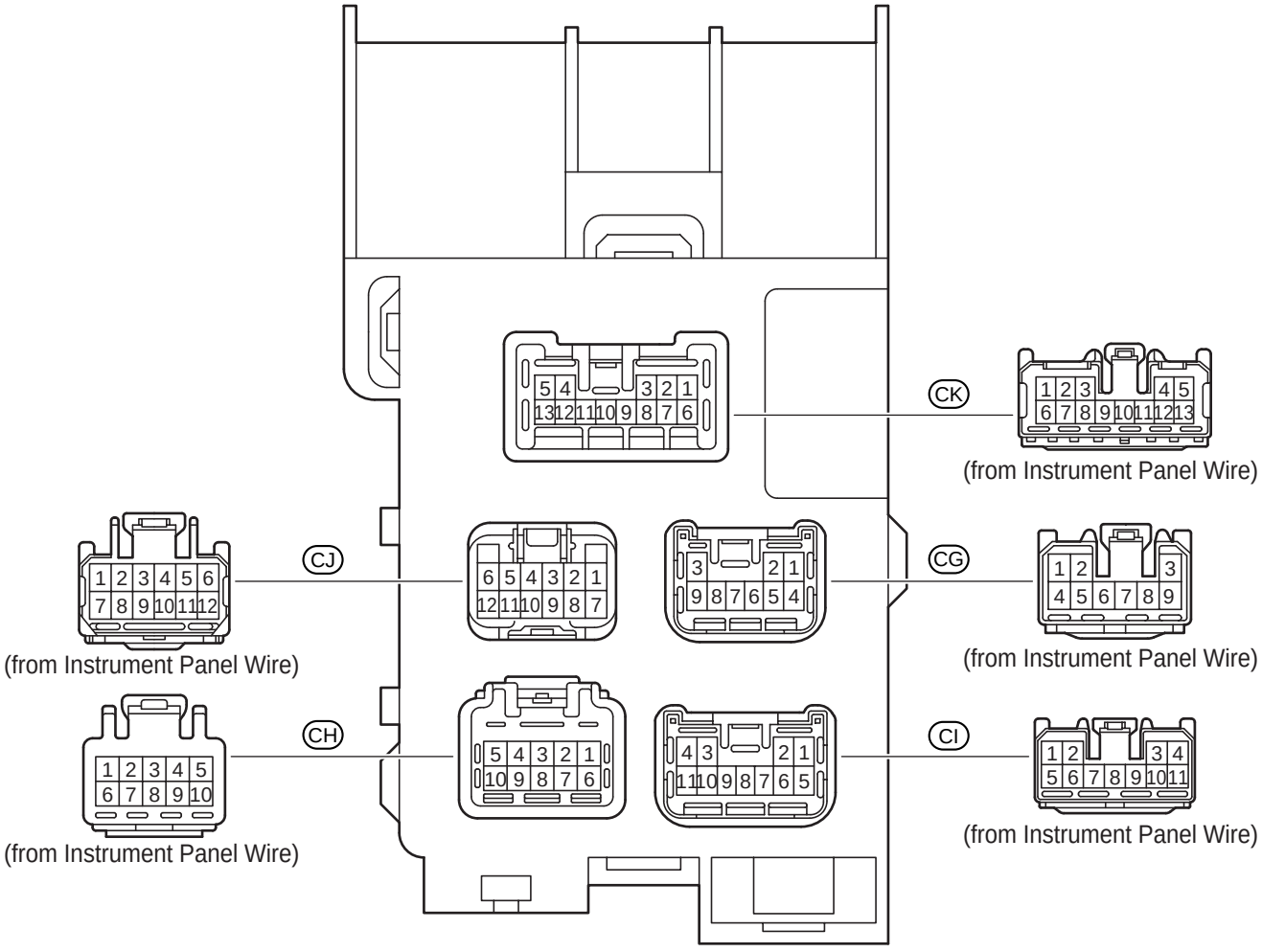
(W/G)


Moon Roof Control
Relay and Motor
Rear Wiper
Motor and Relay

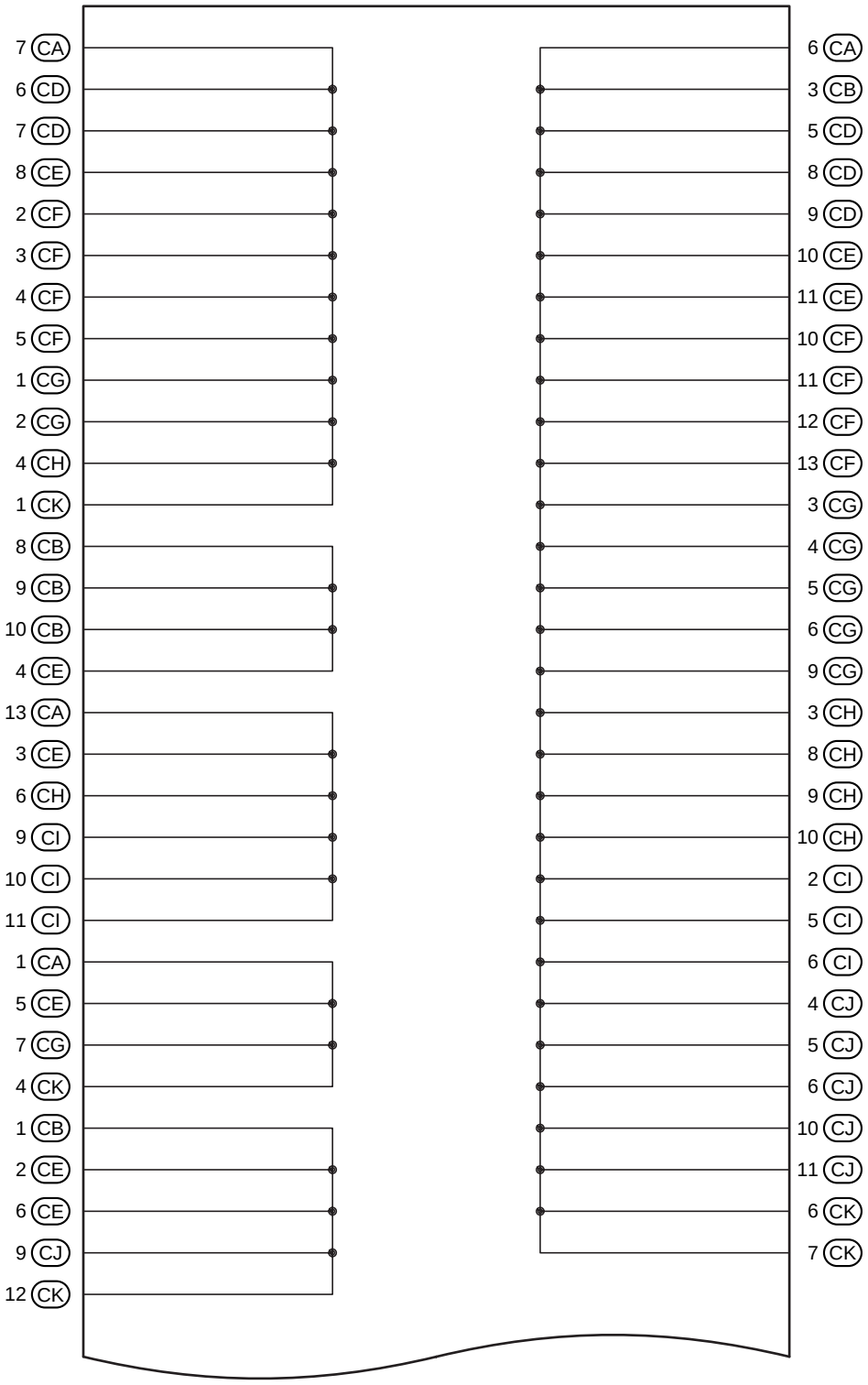
D RELAY LOCATIONS

: Center J/B	Instrument Panel Reinforcement RH (See Page 9)




CK
(from Instrument Panel Wire)
CJ
(from Instrument Panel Wire)
CG
(from Instrument Panel Wire)
CH
(from Instrument Panel Wire)
CI
(from Instrument Panel Wire)

[Center J/B Inner Circuit]



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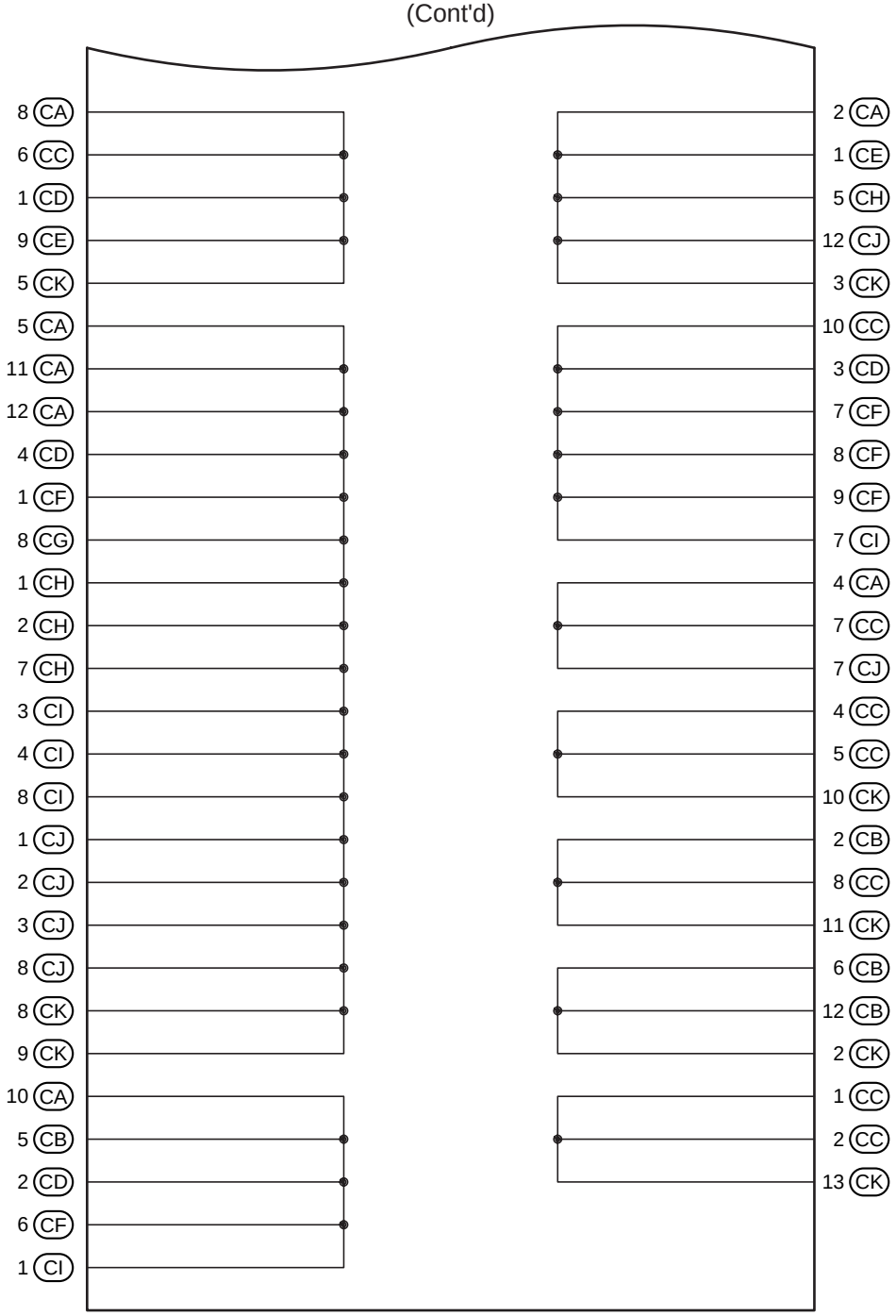
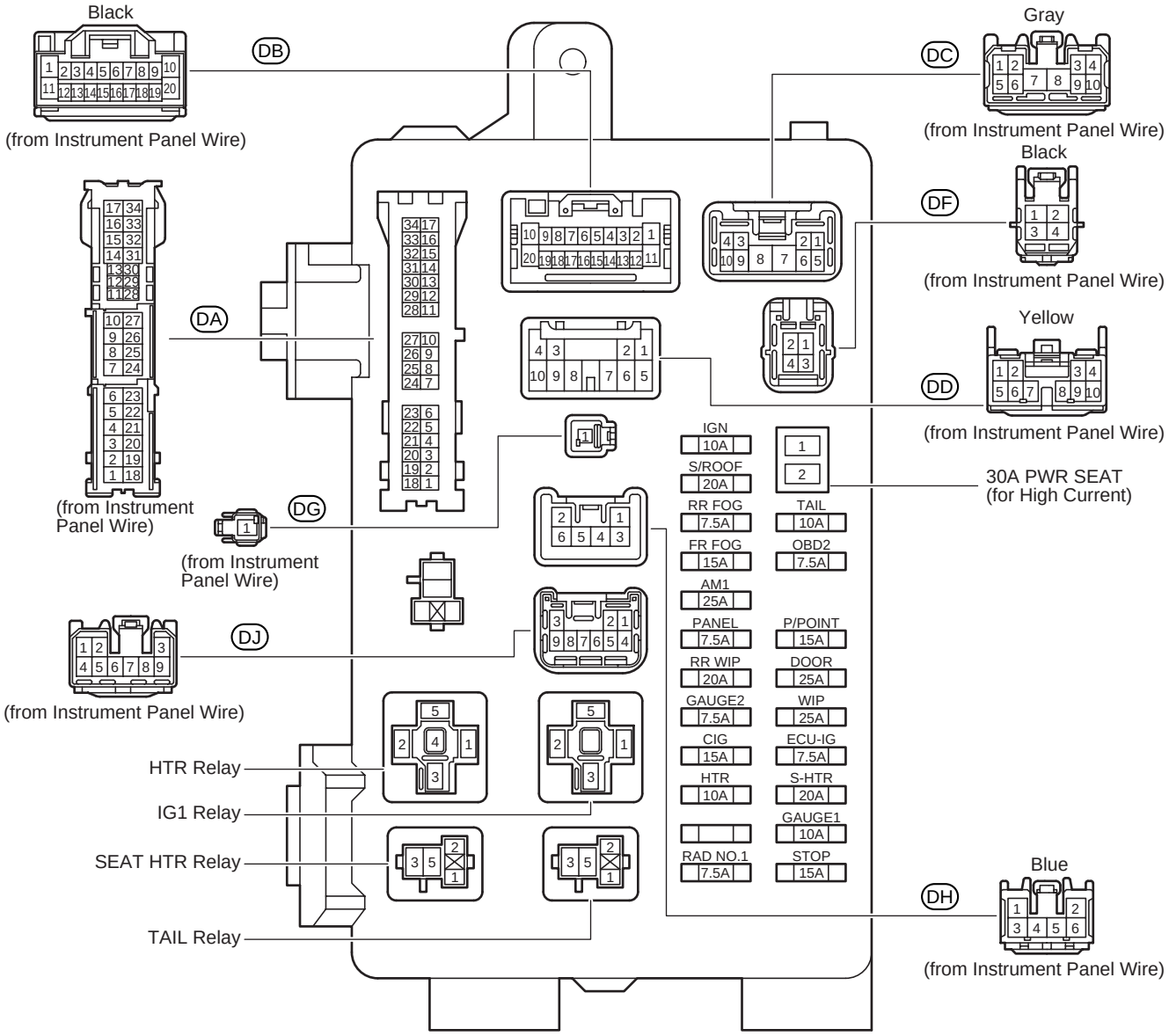
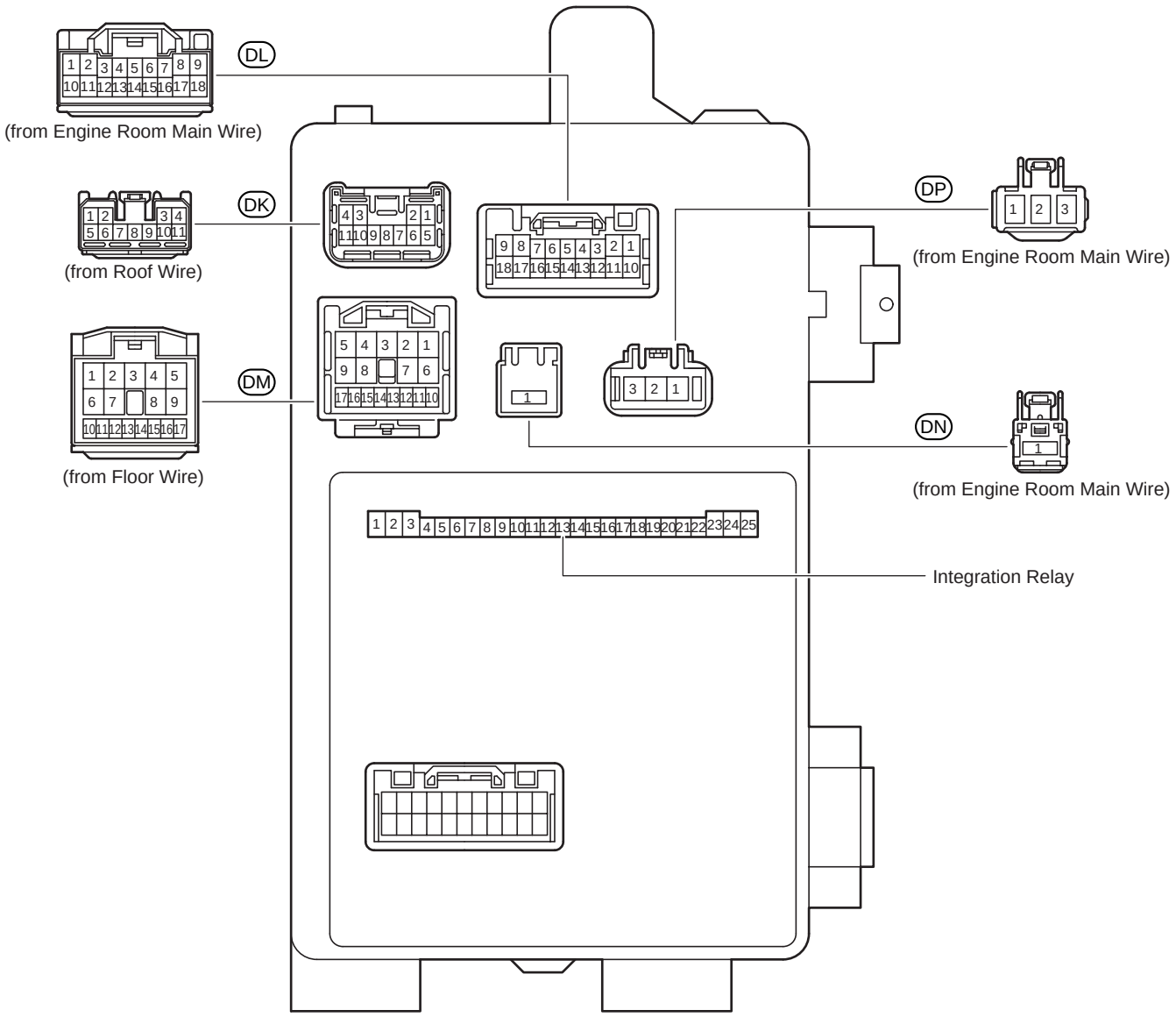

8 CA
6 CC
1 CD
9 CE
5 CK
5 CA
11 CA
12 CA
4 CD
1 CF
8 CG
1 CH
2 CH
7 CH
3 CI
4 CI
8 CI
1 CJ
2 CJ
3 CJ
8 CJ
8 CK
9 CK
10 CA
5 CB
2 CD
6 CF
1 CI
2 CA
1 CE
5 CH
12 CJ
3 CK
10 CC
3 CD
7 CF
8 CF
9 CF
7 CI
4 CA
7 CC
7 CJ
4 CC
5 CC
10 CK
2 CB
8 CC
11 CK
6 CB
12 CB
2 CK
1 CC
2 CC
13 CK

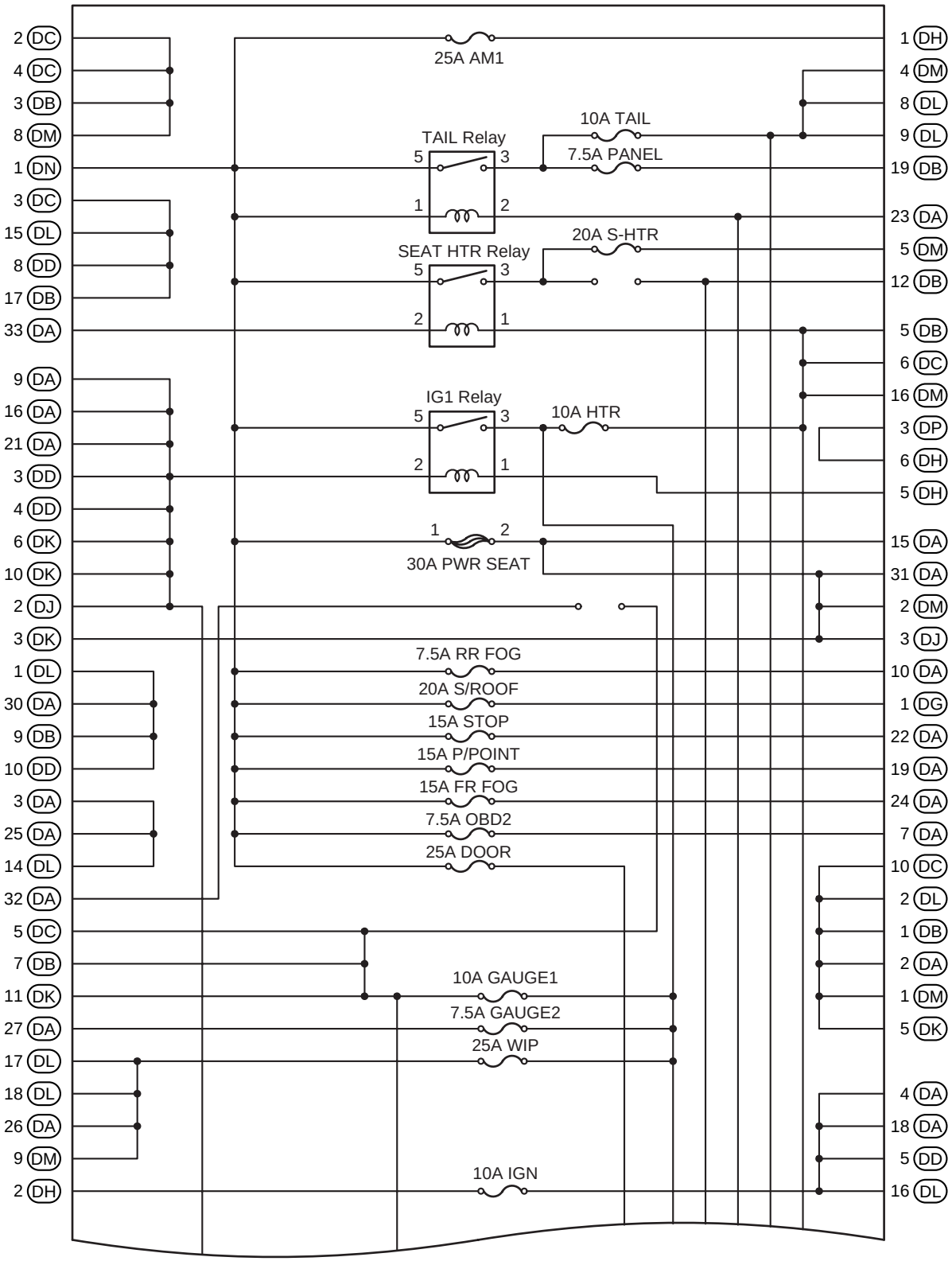
D RELAY LOCATIONS

: Driver Side J/B	Left Side of the Instrument Panel (See Page 9)




DL
(from Engine Room Main Wire)
DK
(from Roof Wire)
DM
(from Floor Wire)
DP
(from Engine Room Main Wire)
DN
(from Engine Room Main Wire)
Integration Relay

[Driver Side J/B Inner Circuit]



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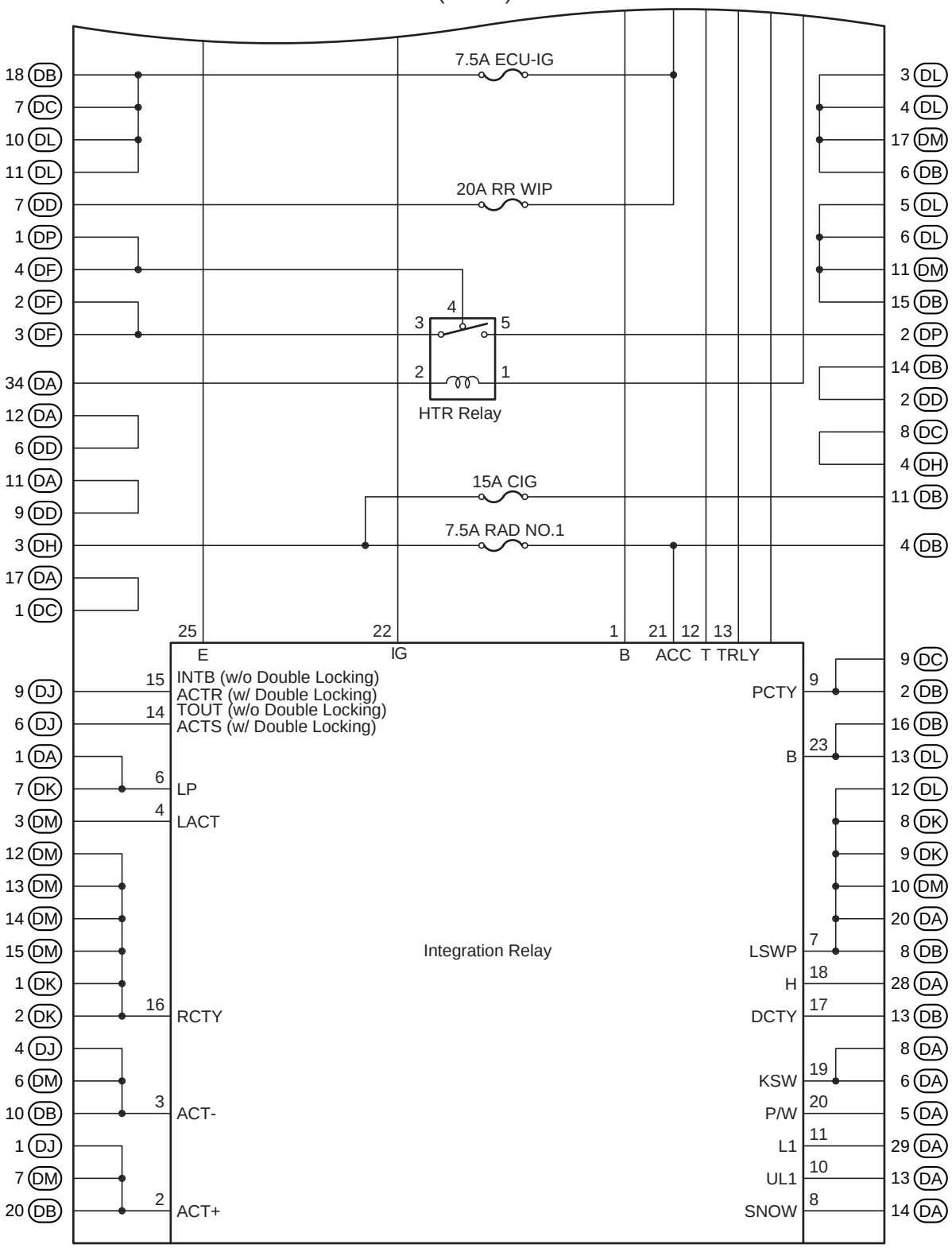
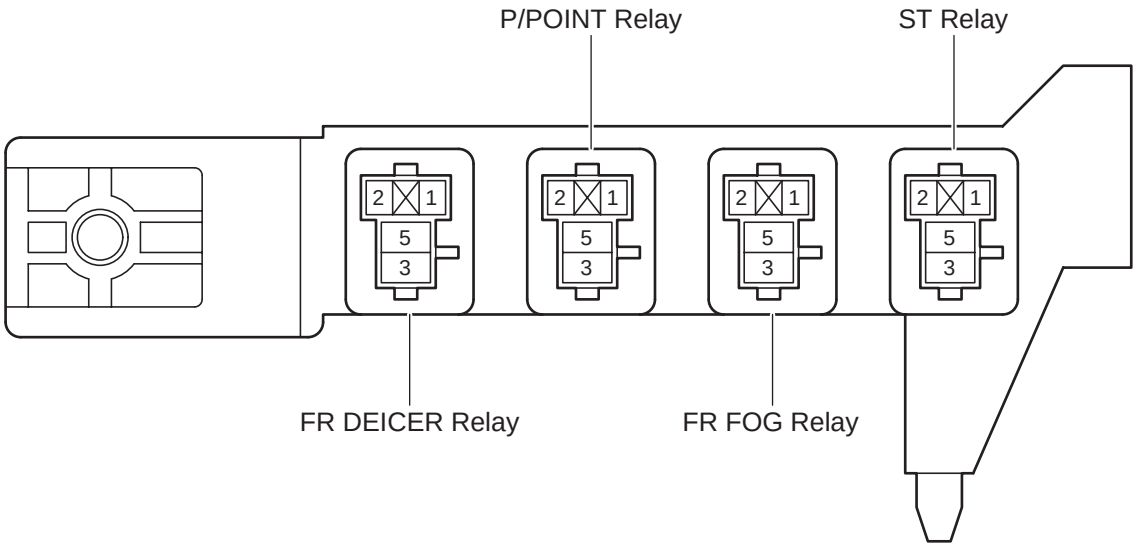
(Cont'd)


7.5A ECU-IG
20A RR WIP
HTR Relay
15A CIG
7.5A RAD NO.1
Integration Relay
25 E
22 IG
1 B
21 ACC
12 T
13 TRLY
15 INTB (w/o Double Locking)
ACTR (w/ Double Locking)
14 TOUT (w/o Double Locking)
ACTS (w/ Double Locking)
6 LP
4 LACT
16 RCTY
3 ACT-
2 ACT+
9 PCTY
23 B
7 LSWP
18 H
17 DCTY
19 KSW
20 P/W
11 L1
10 UL1
8 SNOW

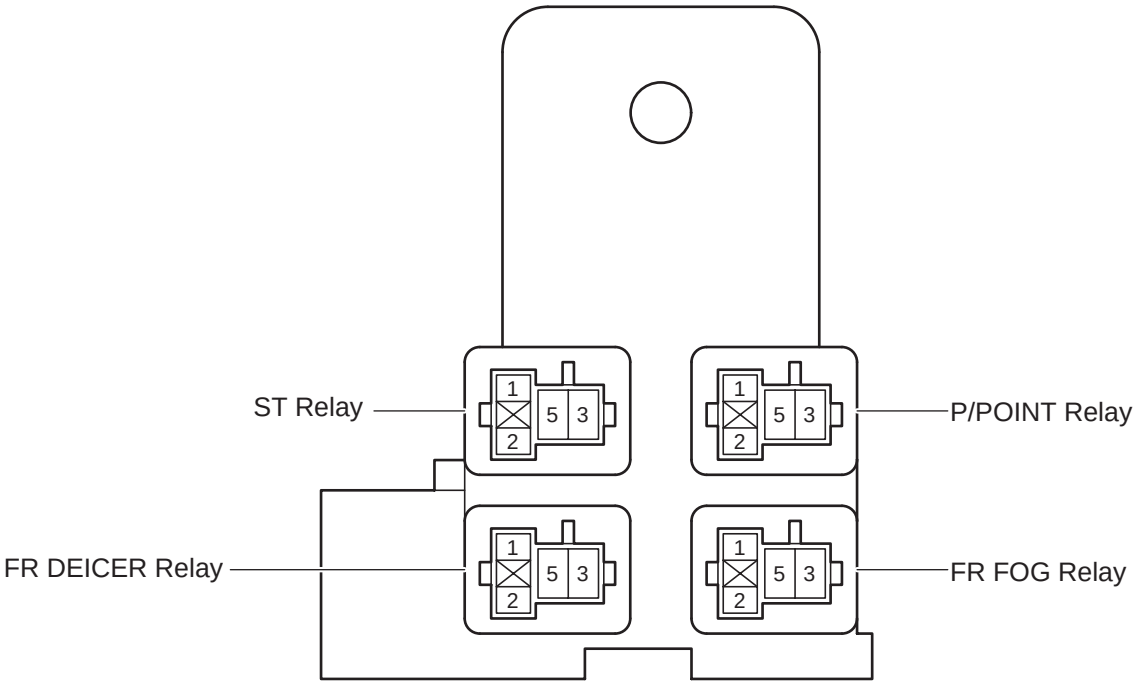
D RELAY LOCATIONS

(5) : Driver Side R/B	LHD : Left Side of the Instrument Panel (See Page 9)
	RHD : Instrument Panel Reinforcement LH (See Page 9)

(LHD)

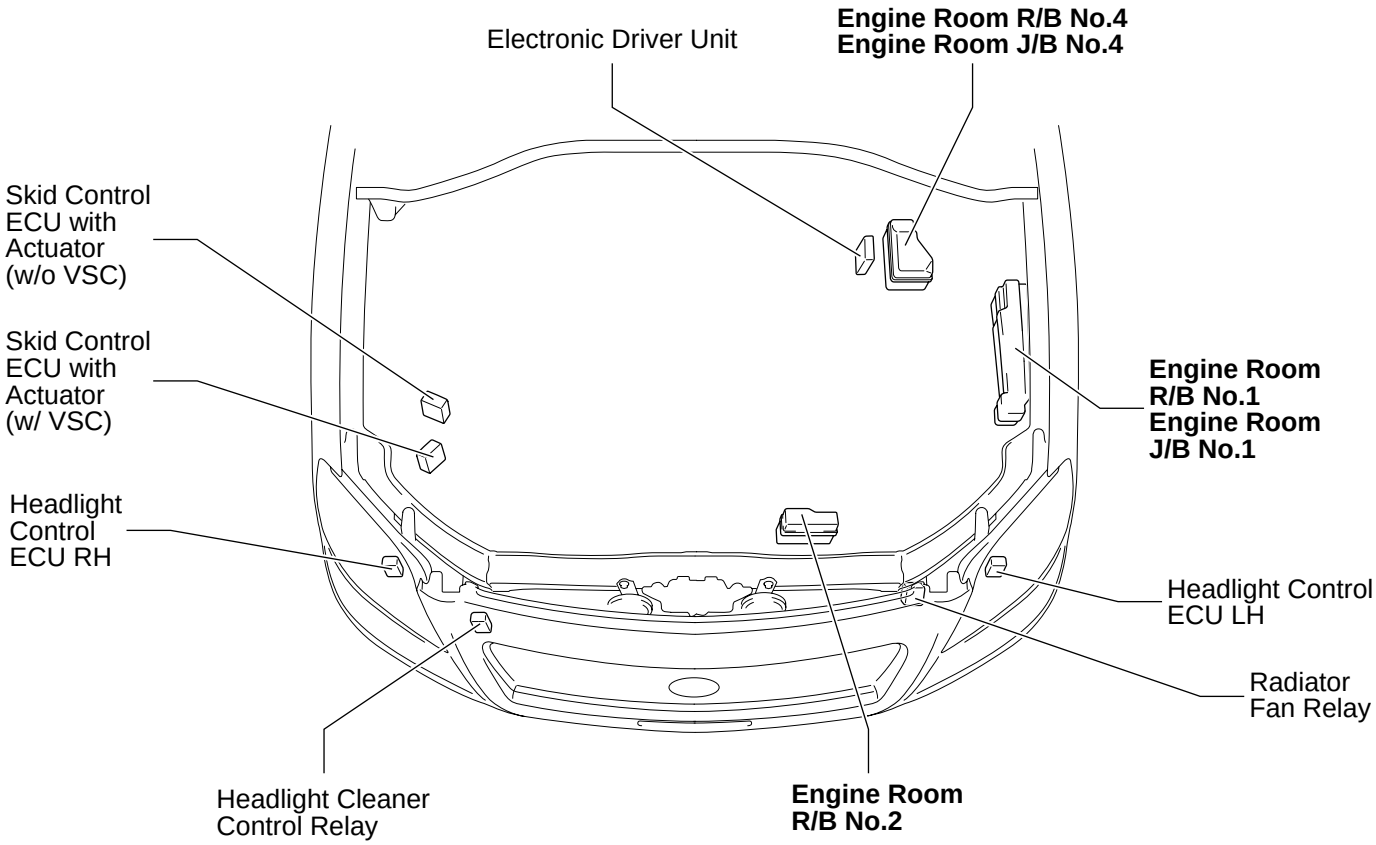


(RHD)

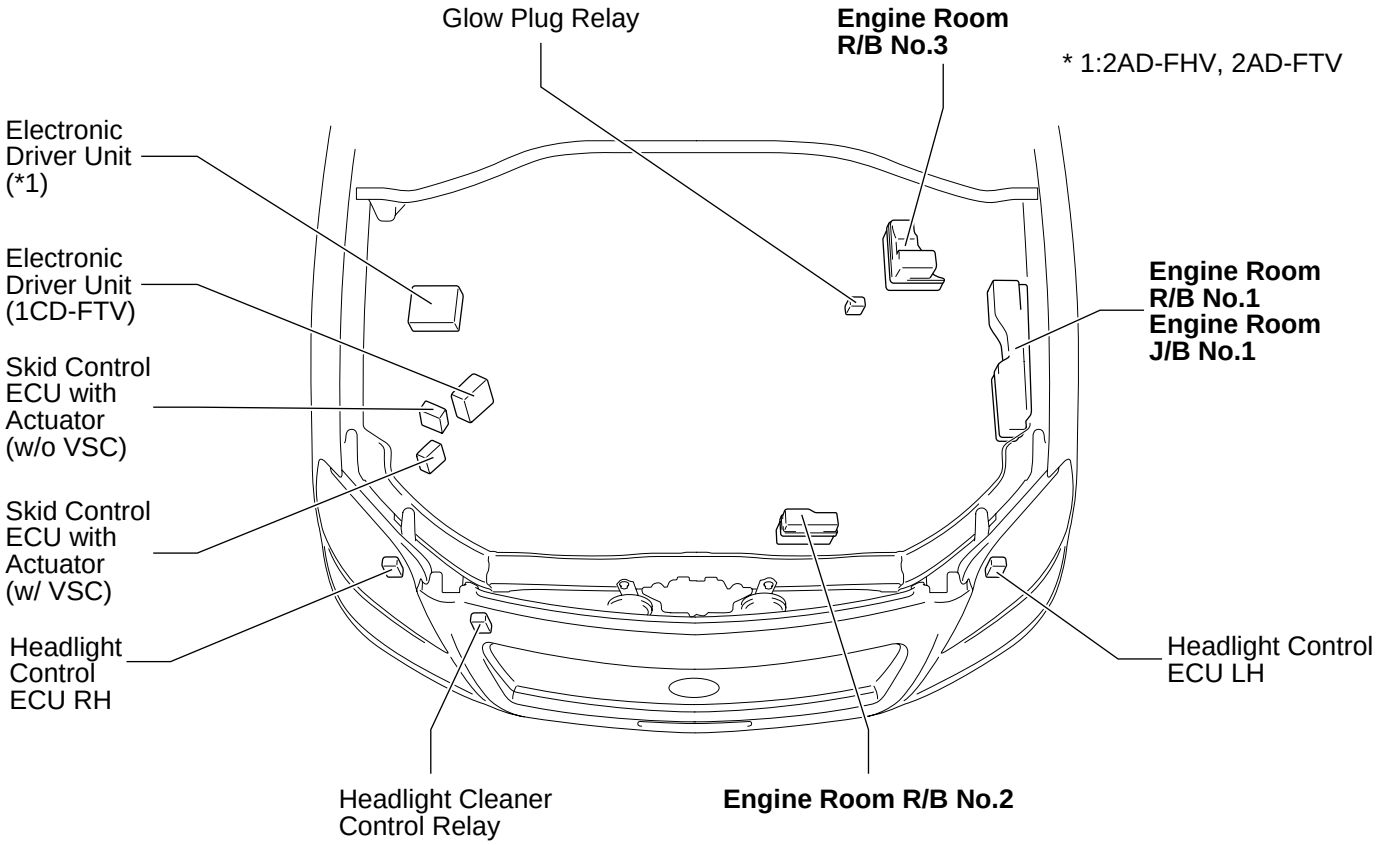


D RELAY LOCATIONS

[Engine Compartment]
(Gasoline)

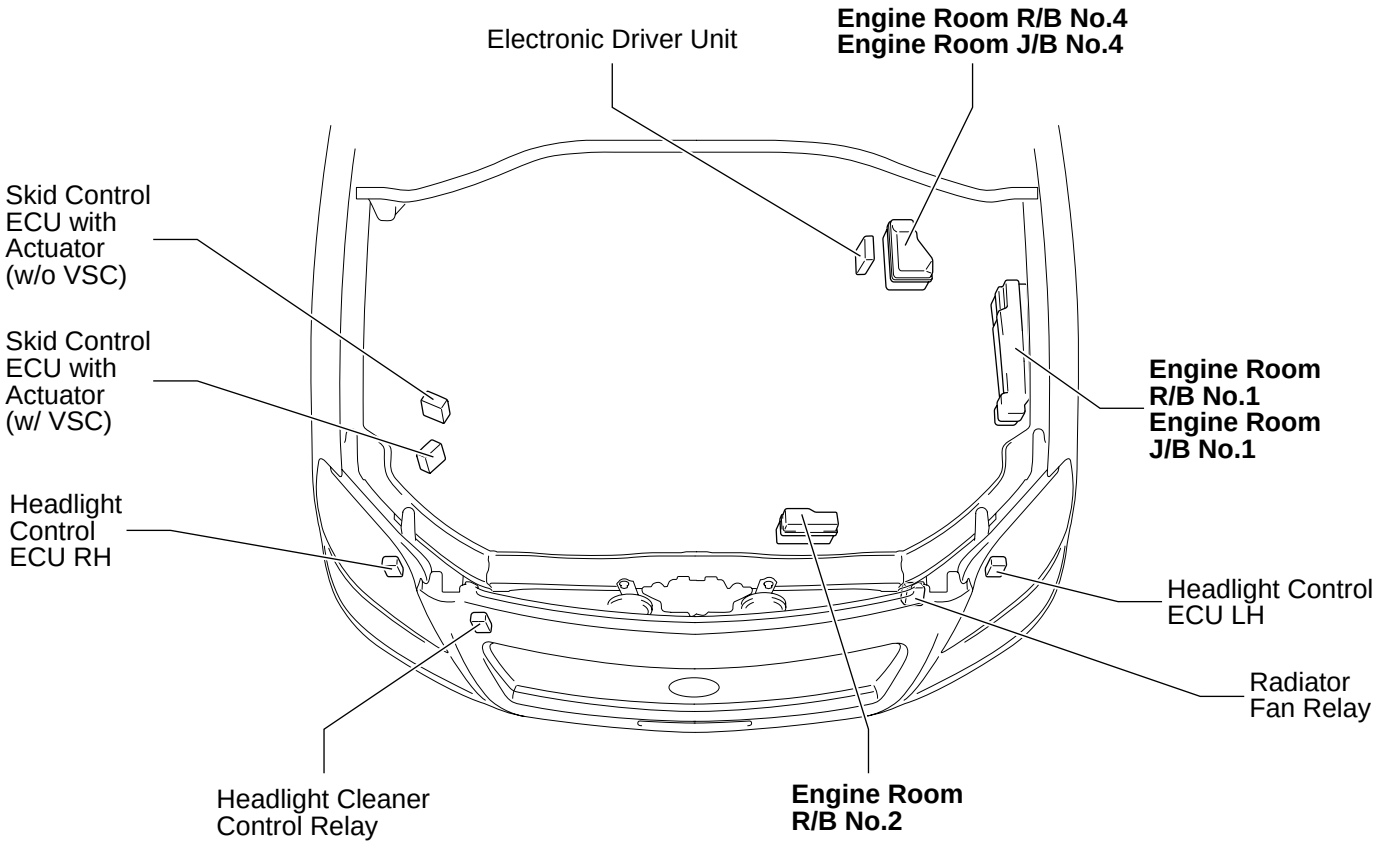


(Diesel)

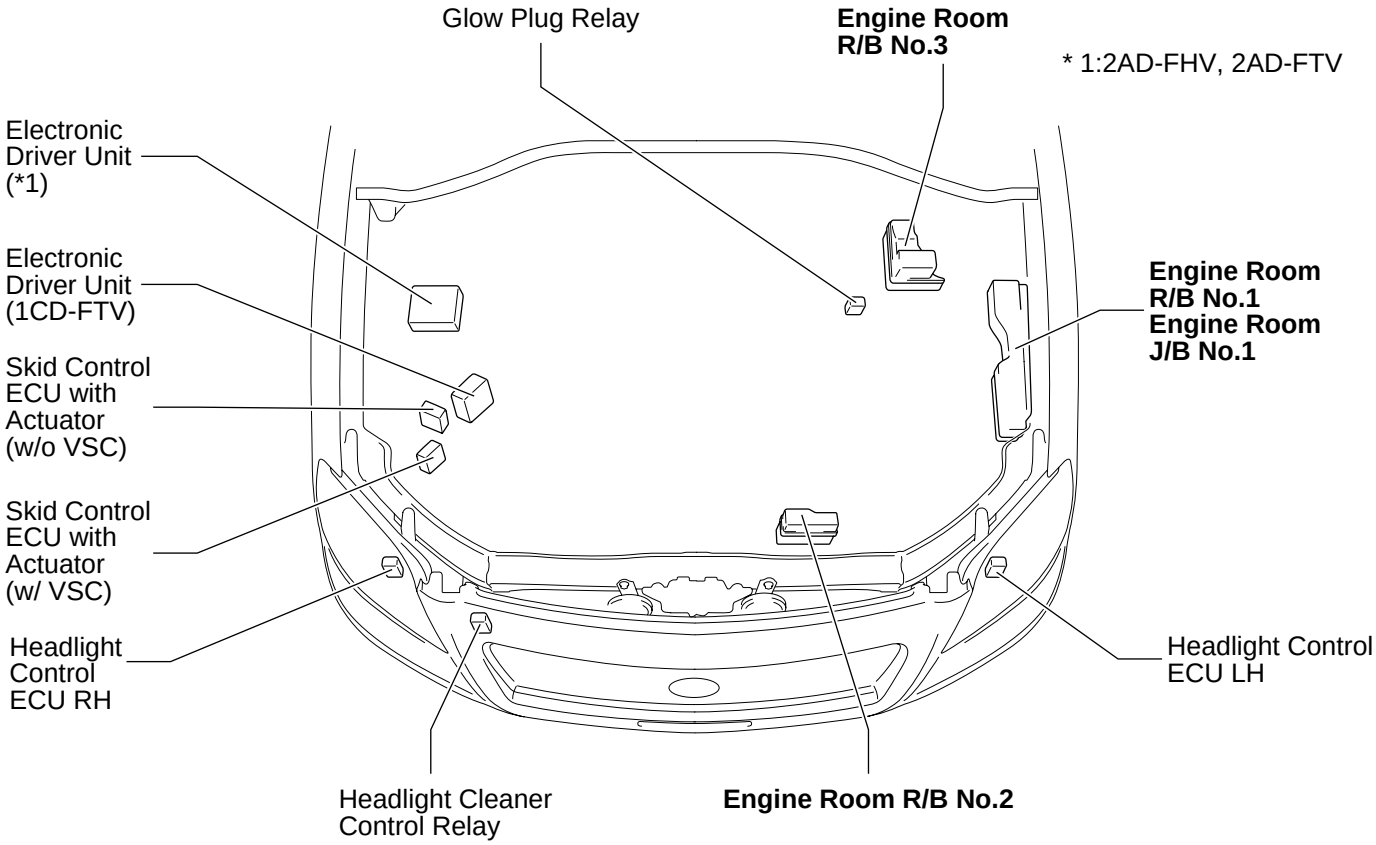


D RELAY LOCATIONS

[Engine Compartment]
(Gasoline)

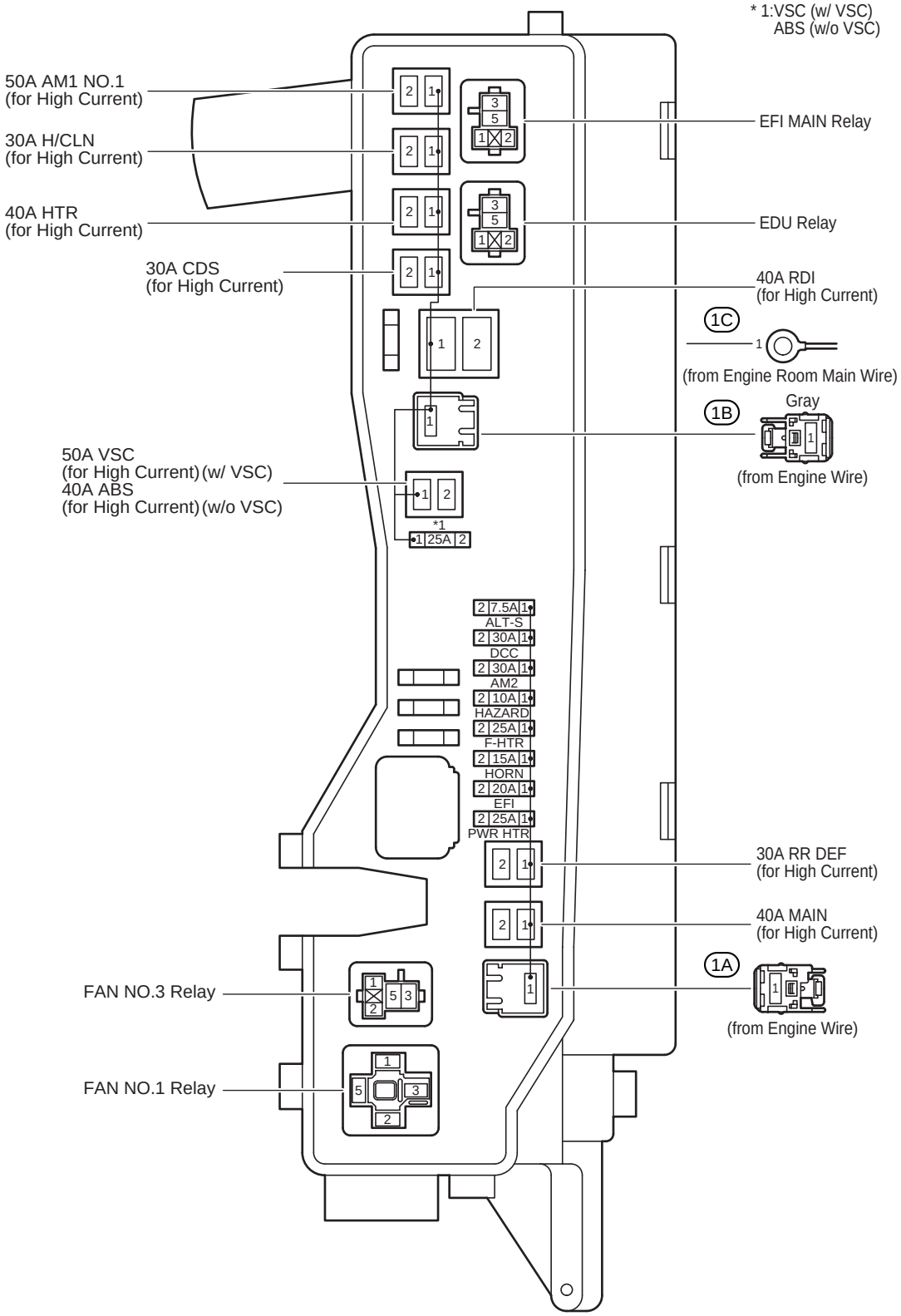


(Diesel)



① : Engine Room R/B No.1 ⬭ : Engine Room J/B No.1	Engine Compartment Left (See Page 8)

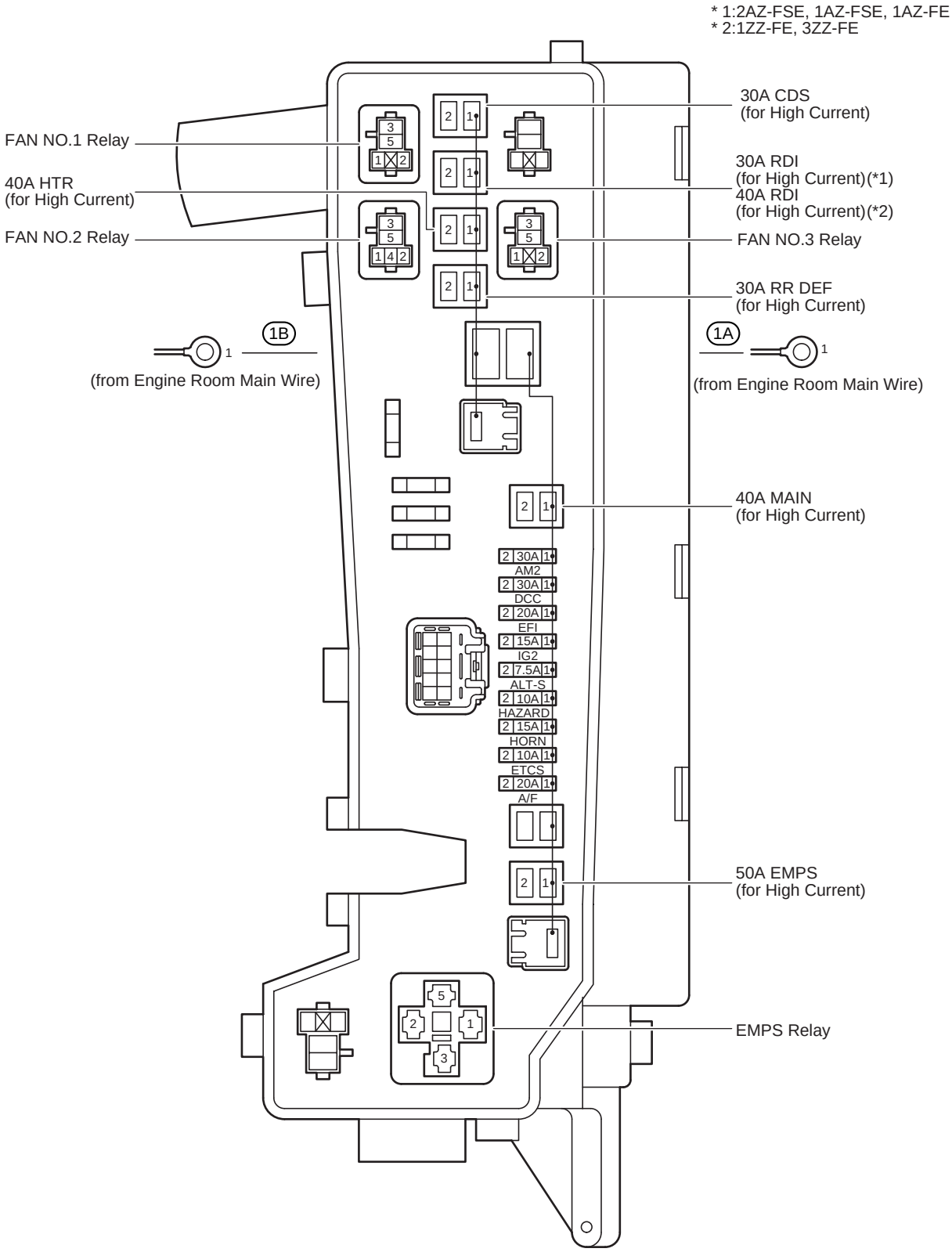
(Diesel)



D RELAY LOCATIONS

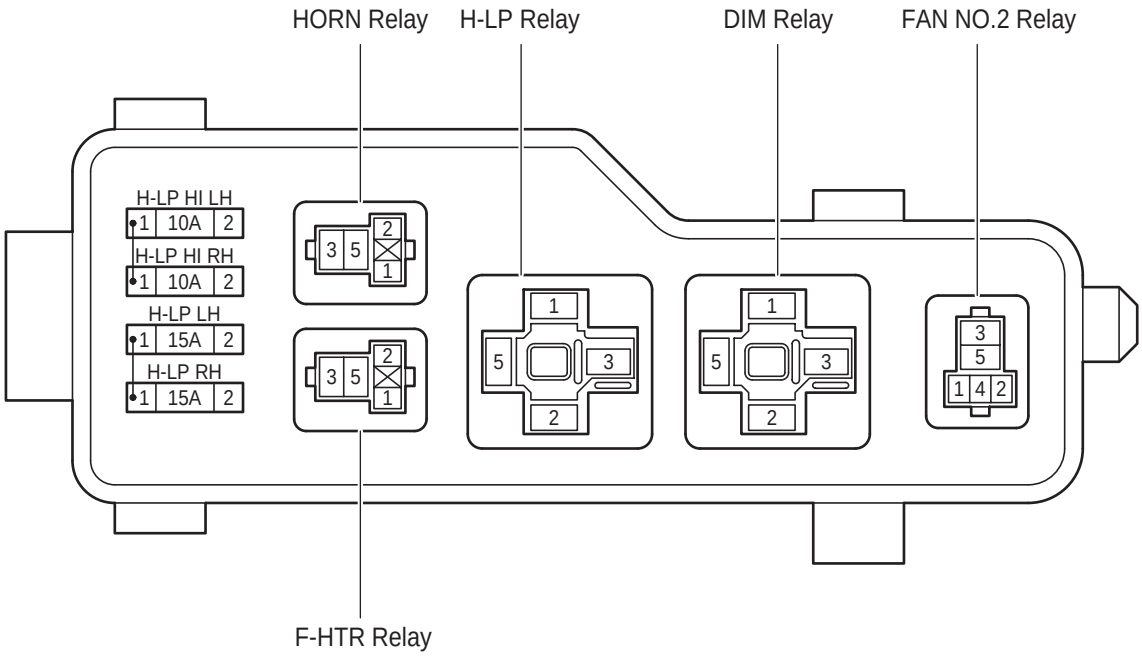
① : Engine Room R/B No.1 ⬭ : Engine Room J/B No.1	Engine Compartment Left (See Page 8)

(Gasoline)



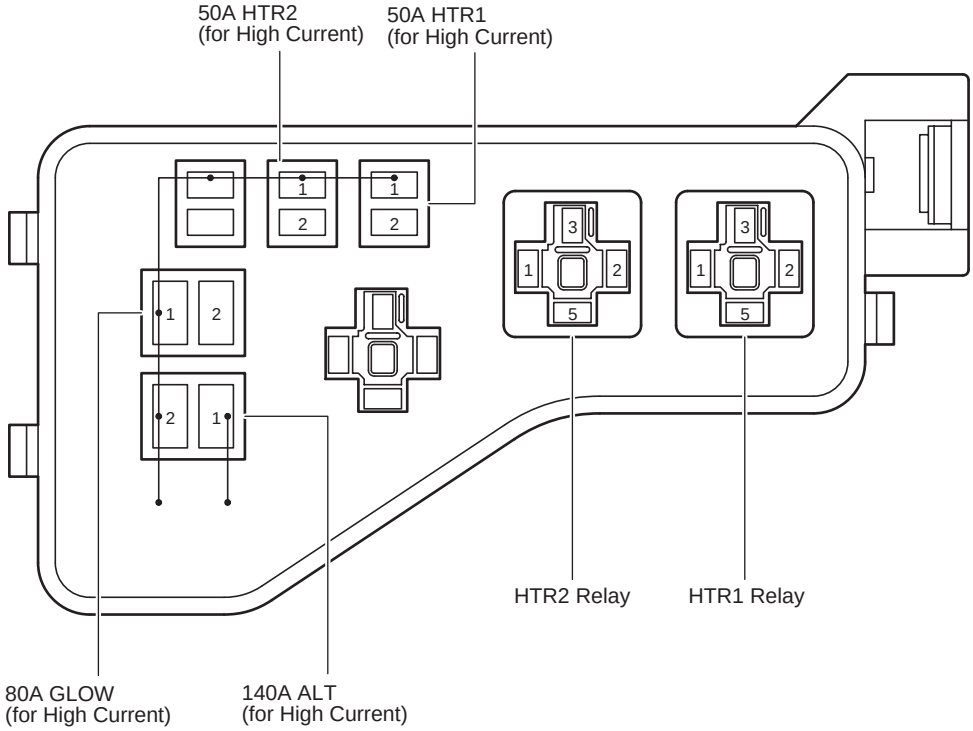
D RELAY LOCATIONS

② : Engine Room R/B No.2	Near the Radiator Fan (See Page 8)



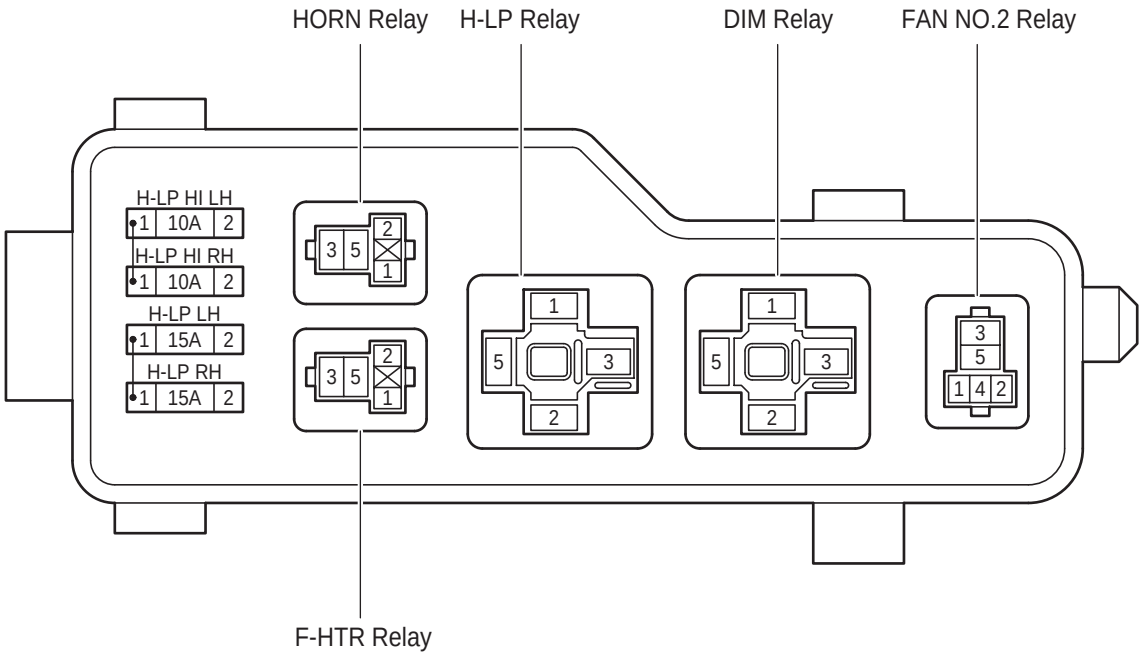
③ : Engine Room R/B No.3	Left Side of the Suspension Tower (See Page 8)

(Diesel)



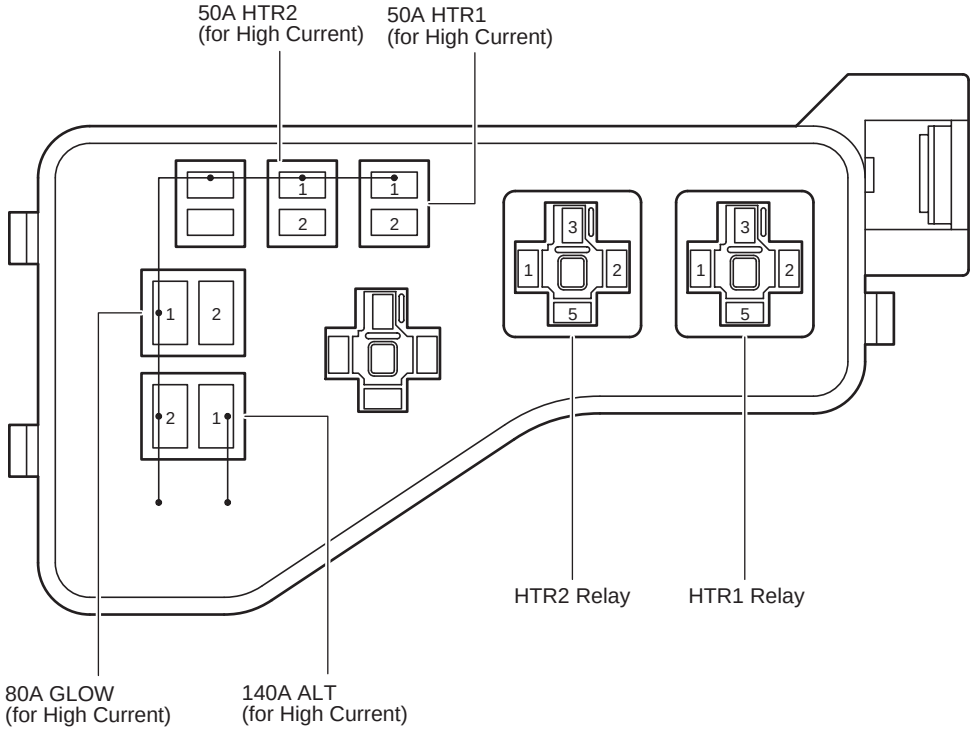
D RELAY LOCATIONS

② : Engine Room R/B No.2	Near the Radiator Fan (See Page 8)



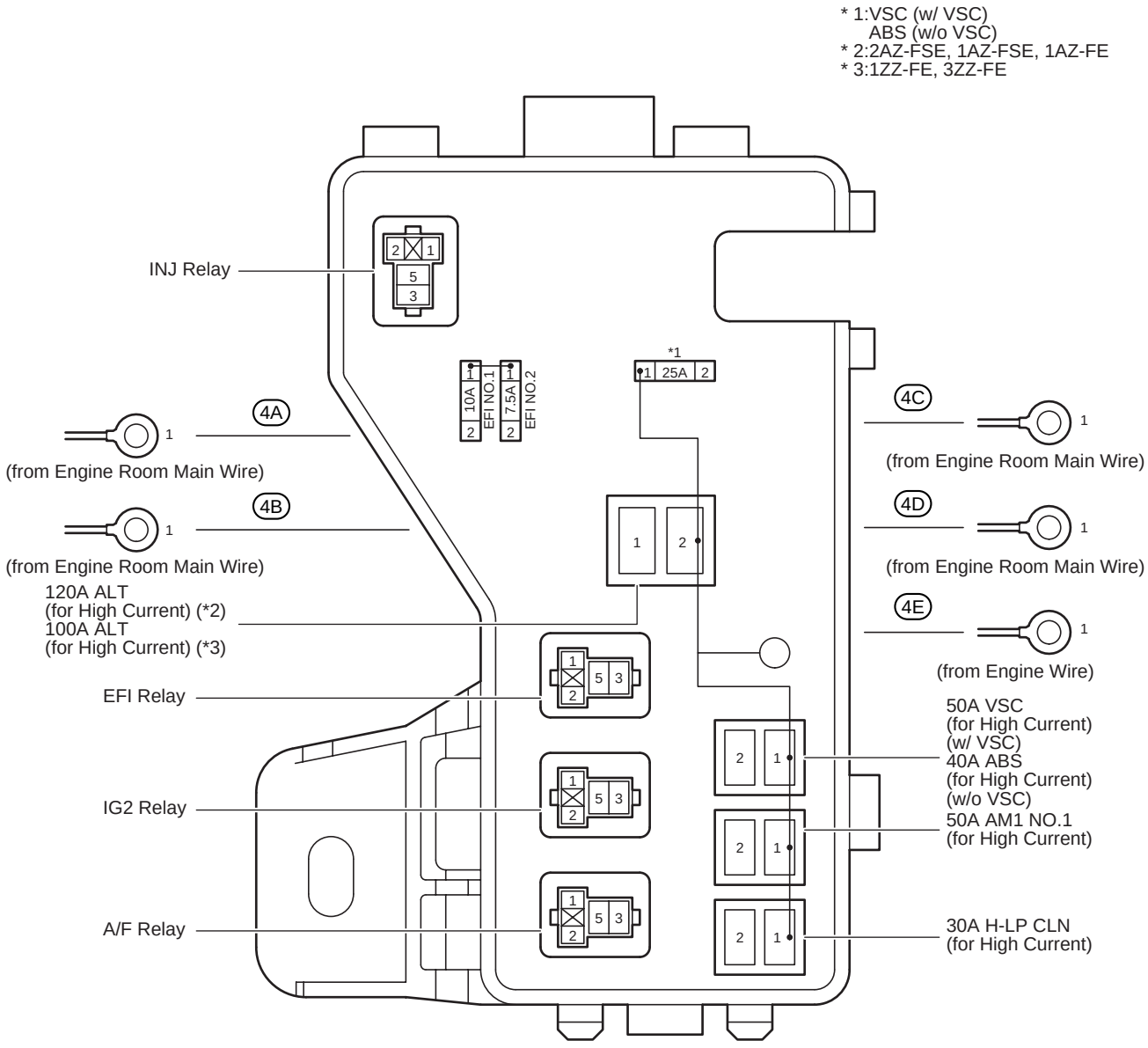
③ : Engine Room R/B No.3	Left Side of the Suspension Tower (See Page 8)

(Diesel)



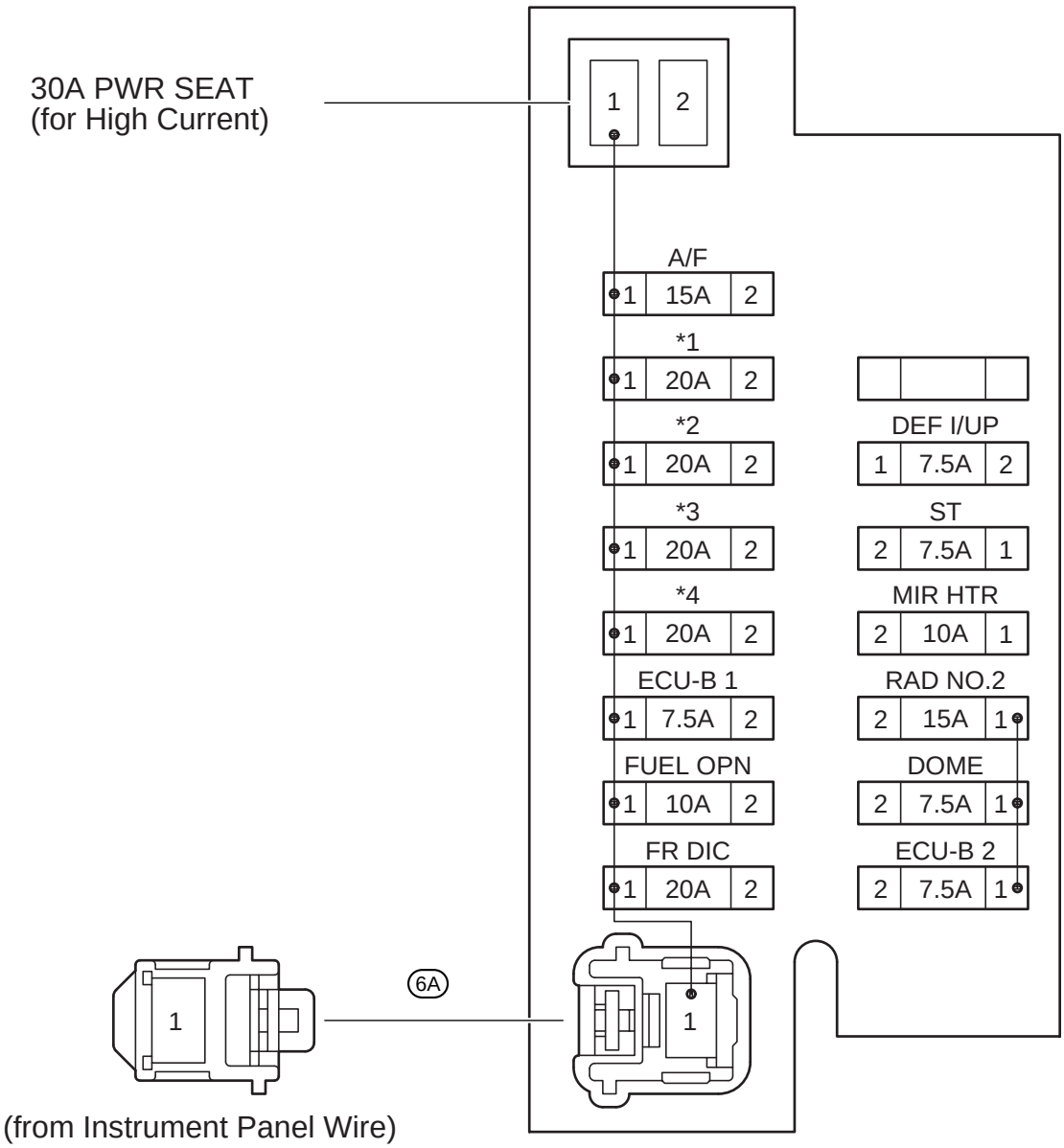
④ : Engine Room R/B No.4 ⬭ : Engine Room J/B No.4	Left Side of the Suspension Tower (See Page 8)

(Gasoline)

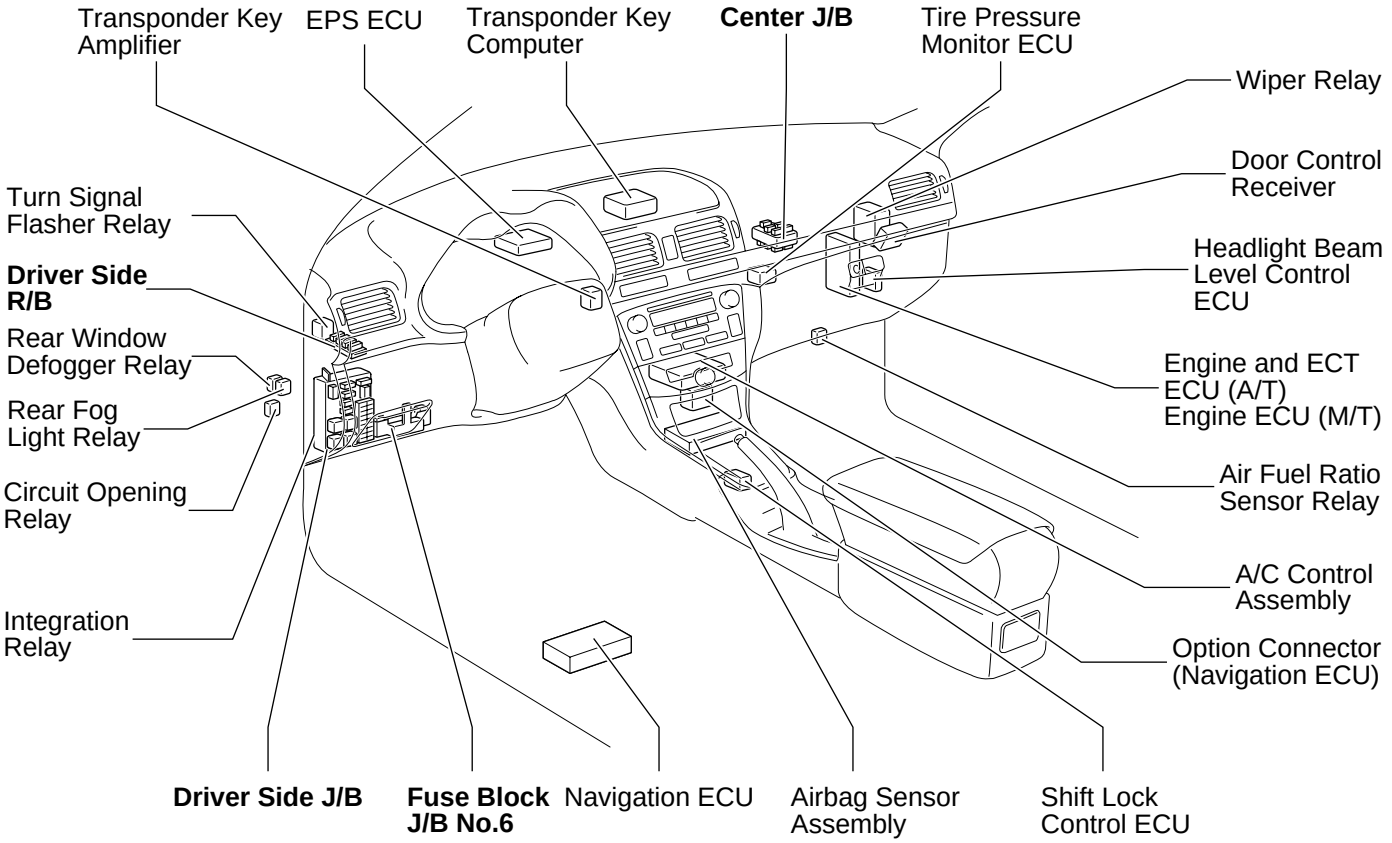


⑥ : Fuse Block ⬭ : J/B No.6	Lower Finish Panel (See Page 9)

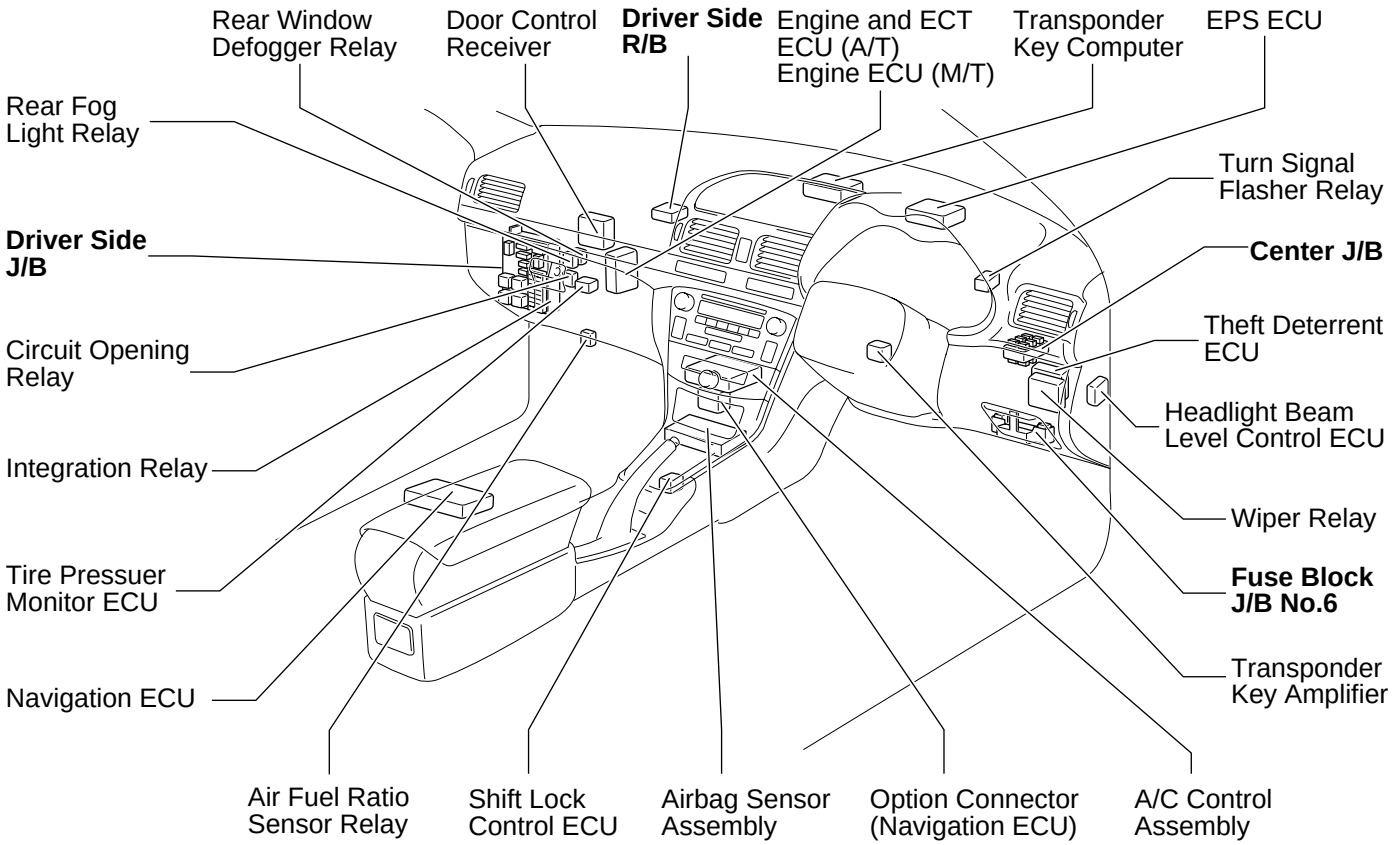
* 1:P-RR P/W (LHD)
  D-RR P/W (RHD)
* 2:P-FR P/W (LHD)
  D-FR P/W (RHD)
* 3:D-RR P/W (LHD)
  P-RR P/W (RHD)
* 4:D-FR P/W (LHD)
  P-FR P/W (RHD)



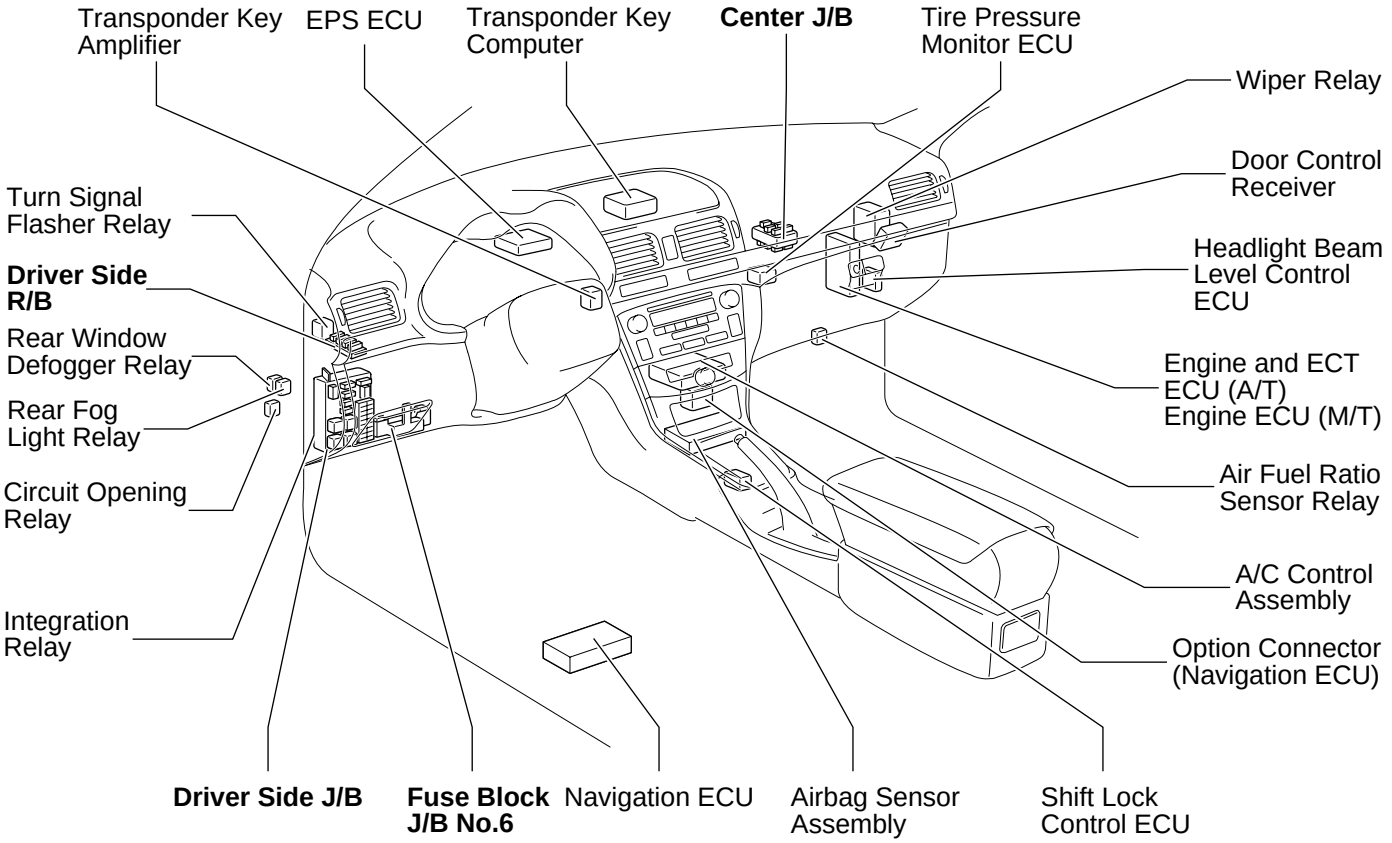
[Instrument Panel]
(LHD)



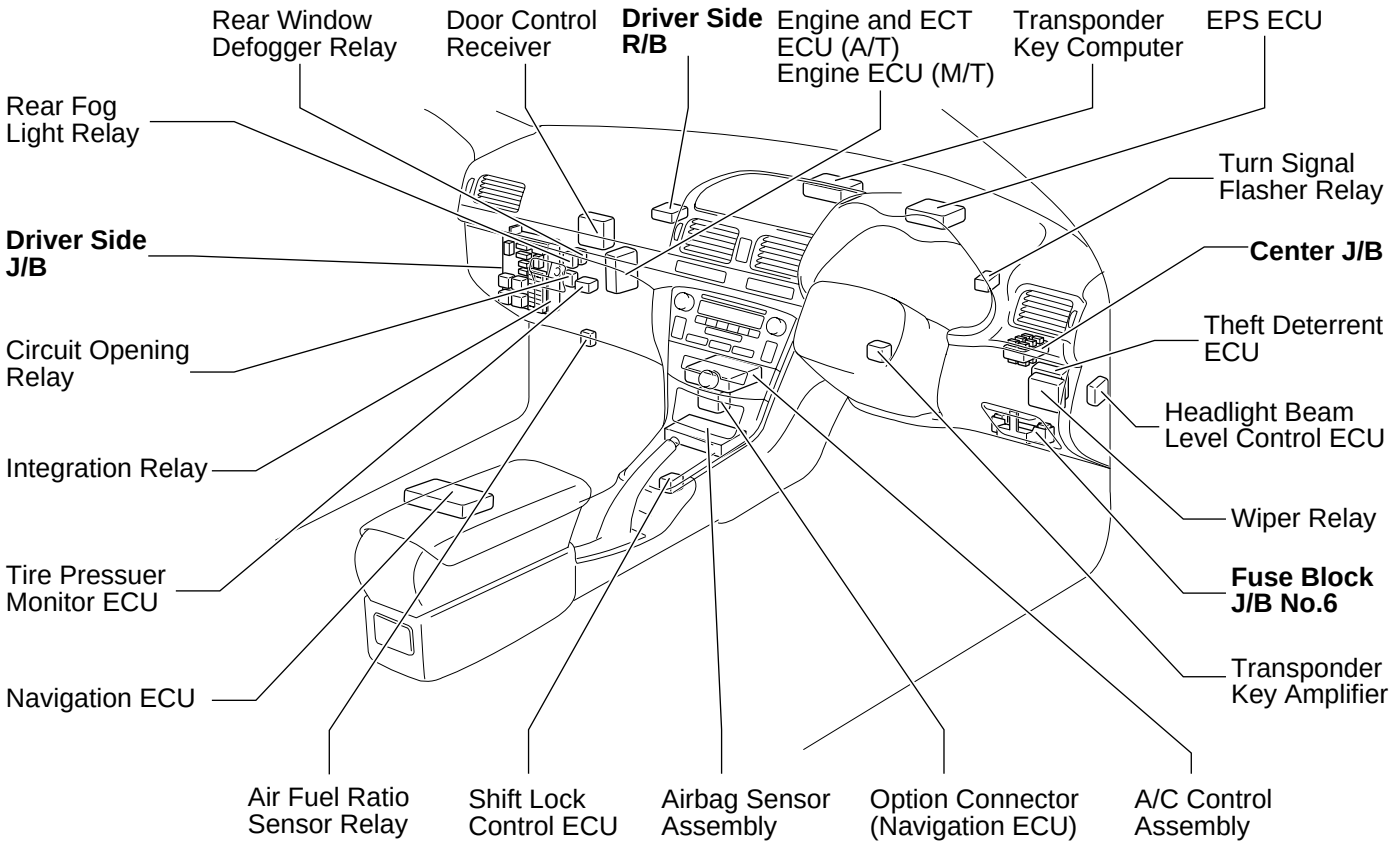
(RHD)

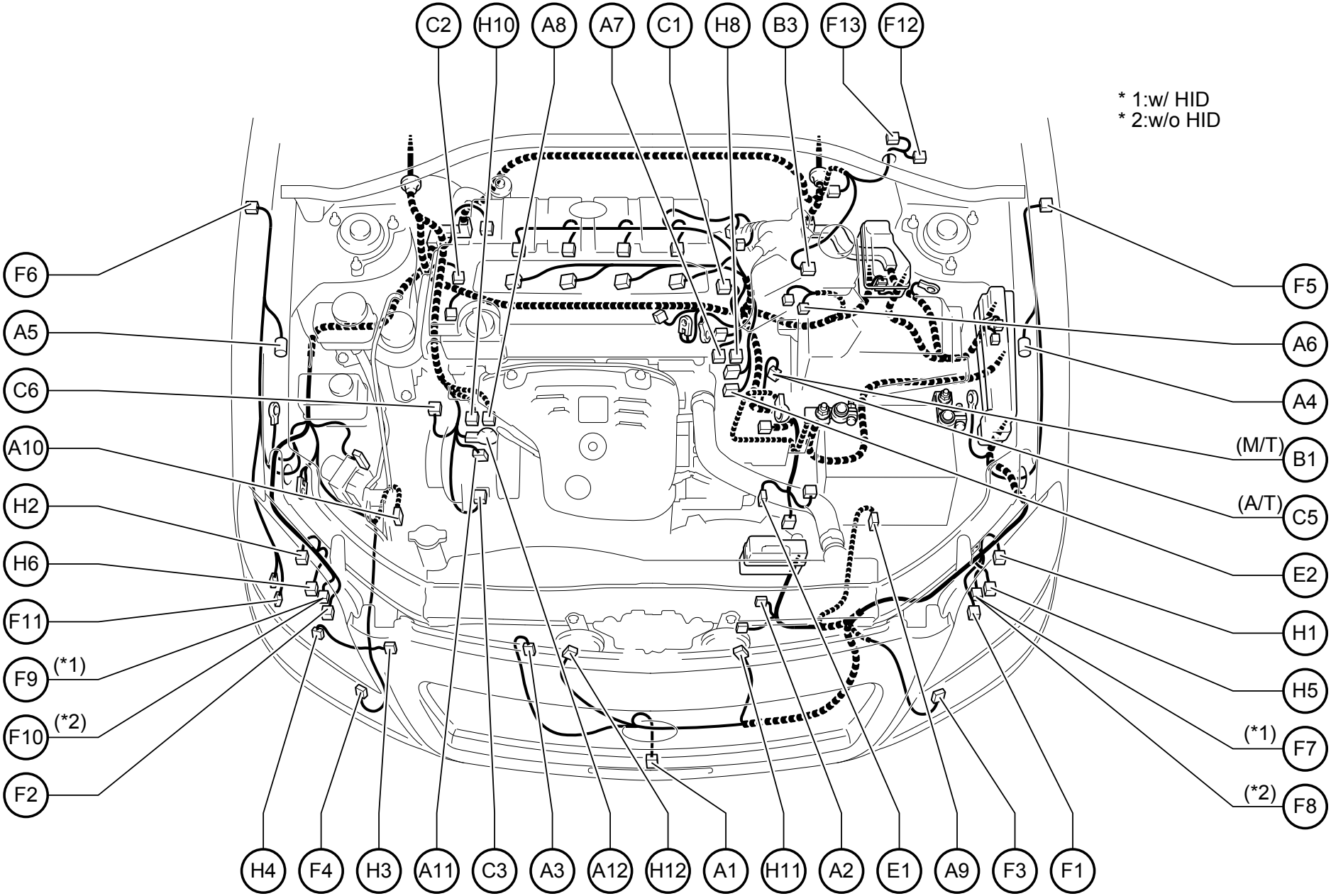


[Instrument Panel]
(LHD)



(RHD)




C2
H10
A8
A7
C1
H8
B3
F13
F12
* 1:w/ HID
* 2:w/o HID
F6
A5
C6
A10
H2
H6
F11
F9
(*1)
F10
(*2)
F2
F5
A6
A4
(M/T)
B1
(A/T)
C5
E2
H1
H5
(*1)
F7
(*2)
F8
H4
F4
H3
A11
C3
A3
A12
H12
A1
H11
A2
E1
A9
F3
F1

A 1 A/C Ambient Temp. Sensor
A 2 A/C Condenser Fan Motor
A 3 A/C Pressure Sensor
A 4 ABS Speed Sensor Front LH
A 5 ABS Speed Sensor Front RH
A 6 Air Flow Meter
A 7 Air Fuel Ratio Sensor (Bank 1 Sensor 1)
A 8 Air Fuel Ratio Sensor (Bank 2 Sensor 1)
A 9 Airbag Sensor Front LH
A 10 Airbag Sensor Front RH
A 11 Alternator
A 12 Alternator (1CD-FTV)
A 12 Alternator (Except 1CD-FTV)

B 1 Back-Up Light SW
B 3 Brake Fluid Level Warning SW

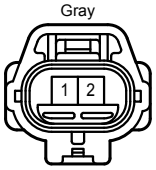
C 1 Camshaft Position Sensor
C 2 Camshaft Timing Oil Control Valve
C 3 Compressor Assembly (2AD-FHV, 2AD-FTV)
C 3 Compressor Assembly (Except 2AD-FHV, 2AD-FTV)
C 5 Counter Gear Speed Sensor
C 6 Crankshaft Position Sensor (2AD-FHV, 2AD-FTV)
C 6 Crankshaft Position Sensor (2AZ-FSE, 1AZ-FSE, 1AZ-FE, 1ZZ-FE, 3ZZ-FE)
C 6 Crankshaft Position Sensor (1CD-FTV)

E 1 ECT Solenoid (2AZ-FSE)
E 1 ECT Solenoid (Except 2AZ-FSE)
E 2 EFI Water Temp. Sensor (2AD-FHV, 2AD-FTV)
E 2 EFI Water Temp. Sensor (1CD-FTV)
E 2 EFI Water Temp. Sensor (2AZ-FSE, 1AZ-FSE, 1ZZ-FE, 3ZZ-FE)
E 2 EFI Water Temp. Sensor (1AZ-FE)

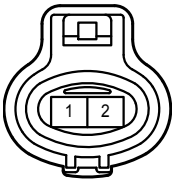
F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 3 Front Fog Light LH
F 4 Front Fog Light RH
F 5 Front Side Turn Signal Light LH
F 6 Front Side Turn Signal Light RH
F 7 Front Turn Signal Light LH , Headlight Control ECU LH
F 8 Front Turn Signal Light LH , Headlight LH (Low)
F 9 Front Turn Signal Light RH , Headlight Control ECU RH
F 10 Front Turn Signal Light RH , Headlight RH (Low)
F 11 Front Washer Motor
F 12 Front Window Deicer
F 13 Front Wiper Motor

H 1 Headlight Beam Level Control Actuator LH
H 2 Headlight Beam Level Control Actuator RH
H 3 Headlight Cleaner Control Relay
H 4 Headlight Cleaner Motor
H 5 Headlight LH (High)
H 6 Headlight RH (High)
H 8 Heated Oxygen Sensor (Bank 1 Sensor 2)
H 10 Heated Oxygen Sensor (Bank 2 Sensor 2)
H 11 Horn LH
H 12 Horn RH

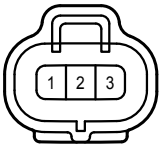
A 1
Gray



A 2
Black



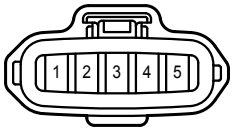
A 3
Black



A 4

A 5

A 6
Black



A 7
Gray

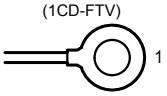
A 8
Gray

A 9
Yellow

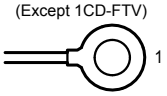
A 10
Yellow

A 11
Black

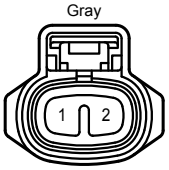
A 12
(1CD-FTV)



A 12
(Except 1CD-FTV)



B 1
Gray

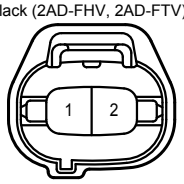


B 3
Black

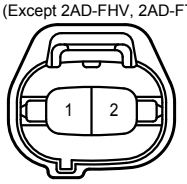
C 1
Black

C 2
Black

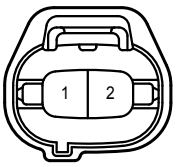
C 3
Black (2AD-FHV, 2AD-FTV)



C 3
Gray (Except 2AD-FHV, 2AD-FTV)



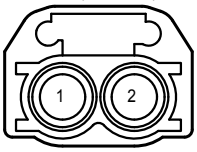
C 5
Black



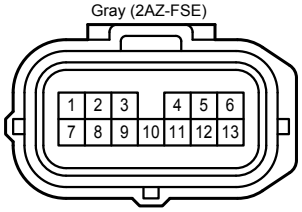
C 6
Gray (2AD-FHV, 2AD-FTV)

C 6
Gray (2AZ-FSE, 1AZ-FSE, 1AZ-FE, 1ZZ-FE, 3ZZ-FE)

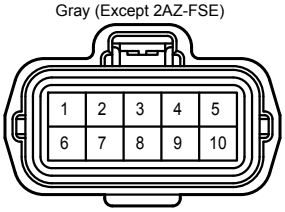
C 6
Black (1CD-FTV)



E 1
Gray (2AZ-FSE)



E 1
Gray (Except 2AZ-FSE)



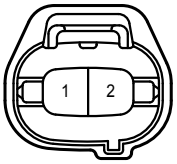
E 2
Gray (2AD-FHV, 2AD-FTV)

E 2
Gray (1CD-FTV)

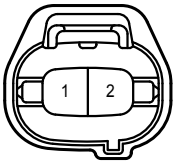
E 2
Gray (2AZ-FSE, 1AZ-FSE, 1ZZ-FE, 3ZZ-FE)

E 2
Gray (1AZ-FE)

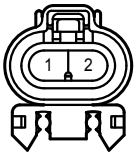
F 1
Black



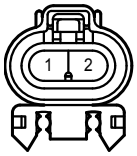
F 2
Black



F 3
Brown



F 4
Brown



F 5
Gray

F 6
Gray

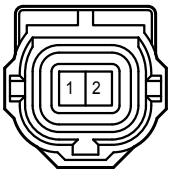
F 7

F 8

F 9

F 10

F 11
Black



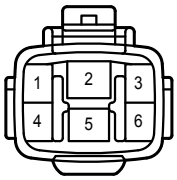
F 12
Black

F 13
Gray

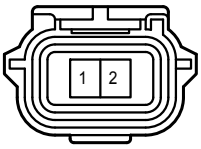
H 1
Gray

H 2
Gray

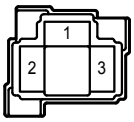
H 3
Black



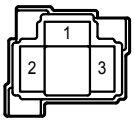
H 4
Black



H 5



H 6

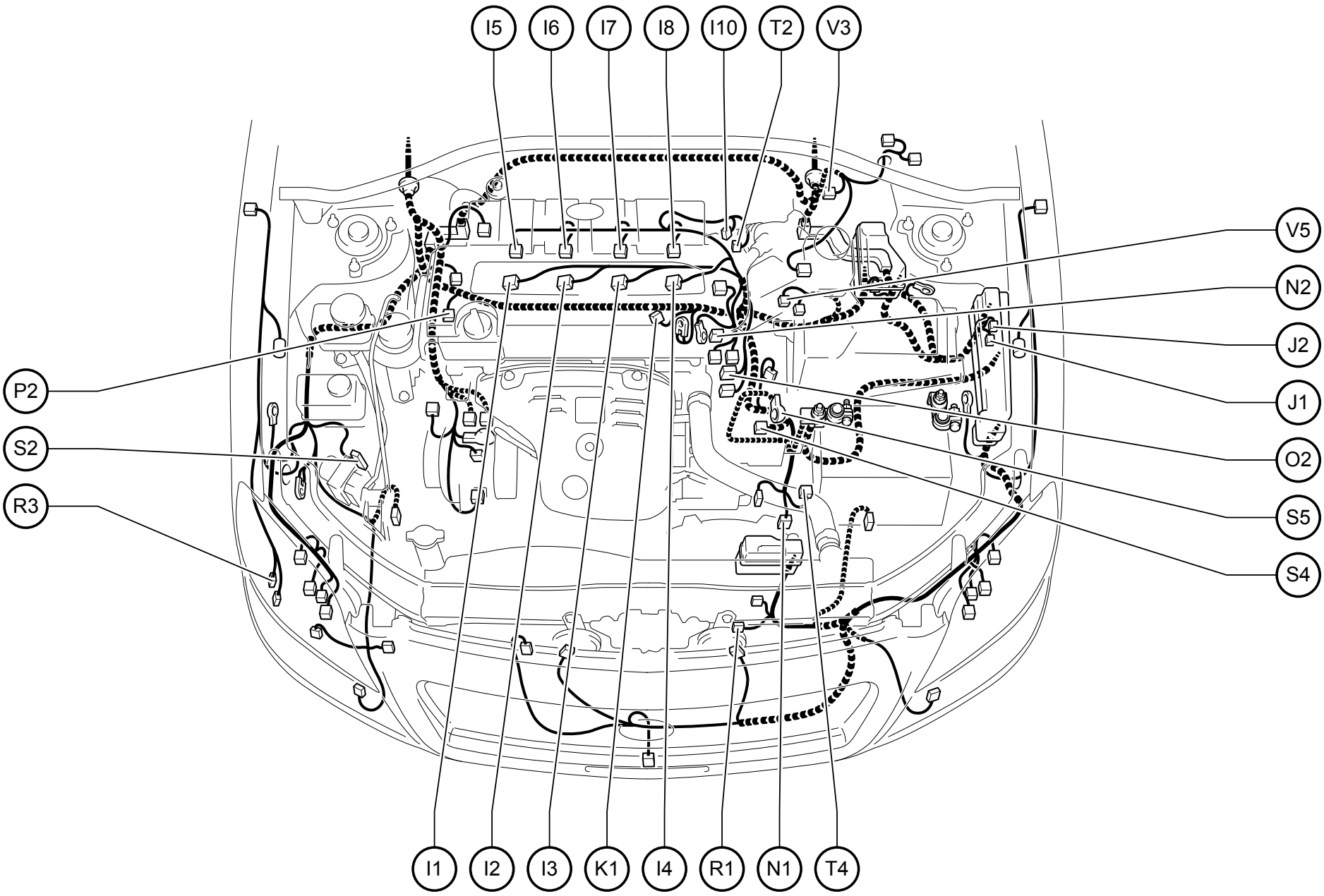


H 8
Black

H 10
Black

H 11
Black

H 12
Black


I5
I6
I7
I8
I10
T2
V3
V5
N2
J2
J1
O2
S5
S4
P2
S2
R3
I1
I2
I3
K1
I4
R1
N1
T4

I 1 Ignition Coil and Igniter No.1
I 2 Ignition Coil and Igniter No.2
I 3 Ignition Coil and Igniter No.3
I 4 Ignition Coil and Igniter No.4
I 5 Injector No.1 (2AD-FTV)
I 5 Injector No.1 (2AD-FHV)
I 5 Injector No.1 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 5 Injector No.1 (2AZ-FSE, 1AZ-FSE)
I 6 Injector No.2 (2AD-FTV)
I 6 Injector No.2 (2AD-FHV)
I 6 Injector No.2 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 6 Injector No.2 (2AZ-FSE, 1AZ-FSE)
I 7 Injector No.3 (2AD-FTV)
I 7 Injector No.3 (2AD-FHV)
I 7 Injector No.3 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 7 Injector No.3 (2AZ-FSE, 1AZ-FSE)
I 8 Injector No.4 (2AD-FTV)
I 8 Injector No.4 (2AD-FHV)
I 8 Injector No.4 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 8 Injector No.4 (2AZ-FSE, 1AZ-FSE)
I 10 ISC Valve

J 1 Junction Connector
J 2 Junction Connector

K 1 Knock Sensor (Bank 1)

N 1 Neutral Start SW
N 2 Noise Filter (Ignition)

O 2 Oil Pressure SW

P 2 Power Steering Oil Pressure SW

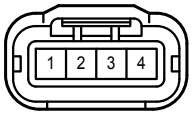
R 1 Radiator Fan Motor
R 3 Rear Washer Motor

S 2 Skid Control ECU with Actuator
S 4 Starter
S 5 Starter (2AD-FHV, 2AD-FTV)
S 5 Starter (2AZ-FSE, 1AZ-FSE, 1AZ-FE)
S 5 Starter (1ZZ-FE, 3ZZ-FE)
S 5 Starter (1CD-FTV)

T 2 Throttle Position Sensor
T 4 Turbine Speed Sensor

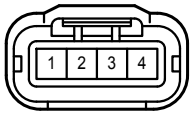
V 3 Variable Resistor
V 5 VSV (EVAP)

I 1
Black



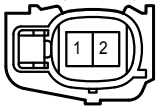
I 2
Gray

I 3
Black

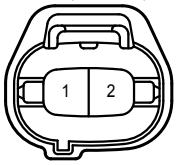


I 4
Gray

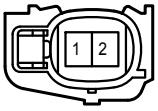
I 5
Black (2AD-FTV)



I 5
Black (2AD-FHV)

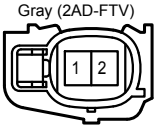


I 5
Black (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)

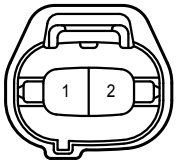


I 5
Black (2AZ-FSE, 1AZ-FSE)

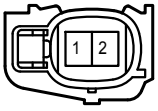
I 6
Gray (2AD-FTV)



I 6
Gray (2AD-FHV)

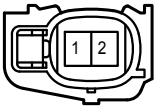


I 6
Gray (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)

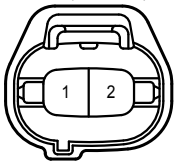


I 6
Gray (2AZ-FSE, 1AZ-FSE)

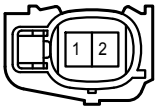
I 7
Black (2AD-FTV)



I 7
Black (2AD-FHV)

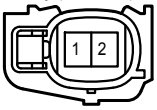


I 7
Black (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)

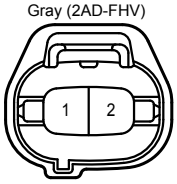


I 7
Black (2AZ-FSE, 1AZ-FSE)

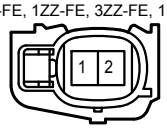
I 8
Gray (2AD-FTV)



I 8
Gray (2AD-FHV)



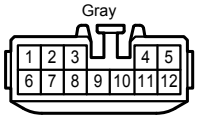
I 8
Gray (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)



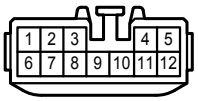
I 8
Gray (2AZ-FSE, 1AZ-FSE)

I 10
Black

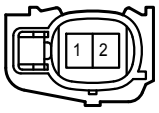
J 1
Gray



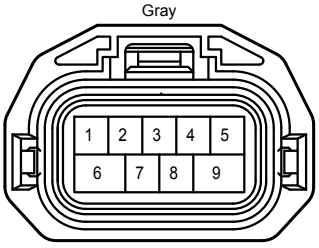
J 2
Black



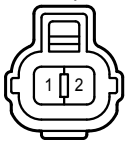
K 1
Black



N 1
Gray



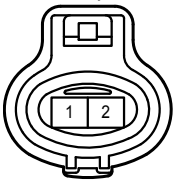
N 2
Gray



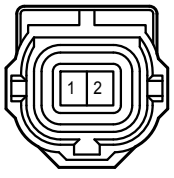
O 2
Gray

P 2
Black

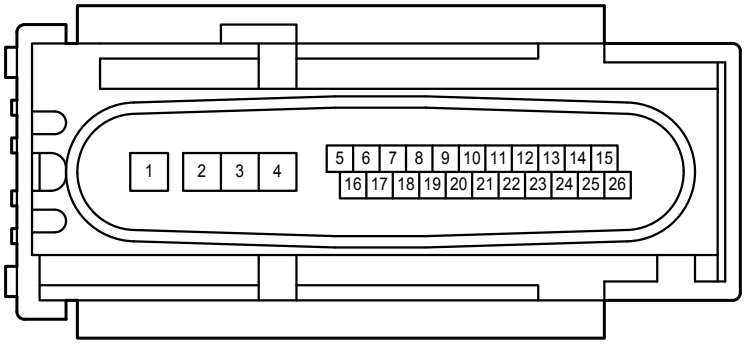
R 1
Gray



R 3
Red

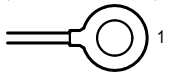


S 2
Black

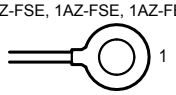


S 4
Black

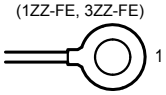
S 5
(2AD-FHV, 2AD-FTV)



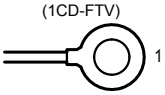
S 5
(2AZ-FSE, 1AZ-FSE, 1AZ-FE)



S 5
(1ZZ-FE, 3ZZ-FE)

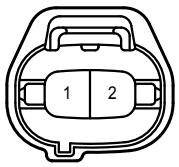


S 5
(1CD-FTV)



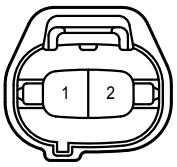
T 2
Black

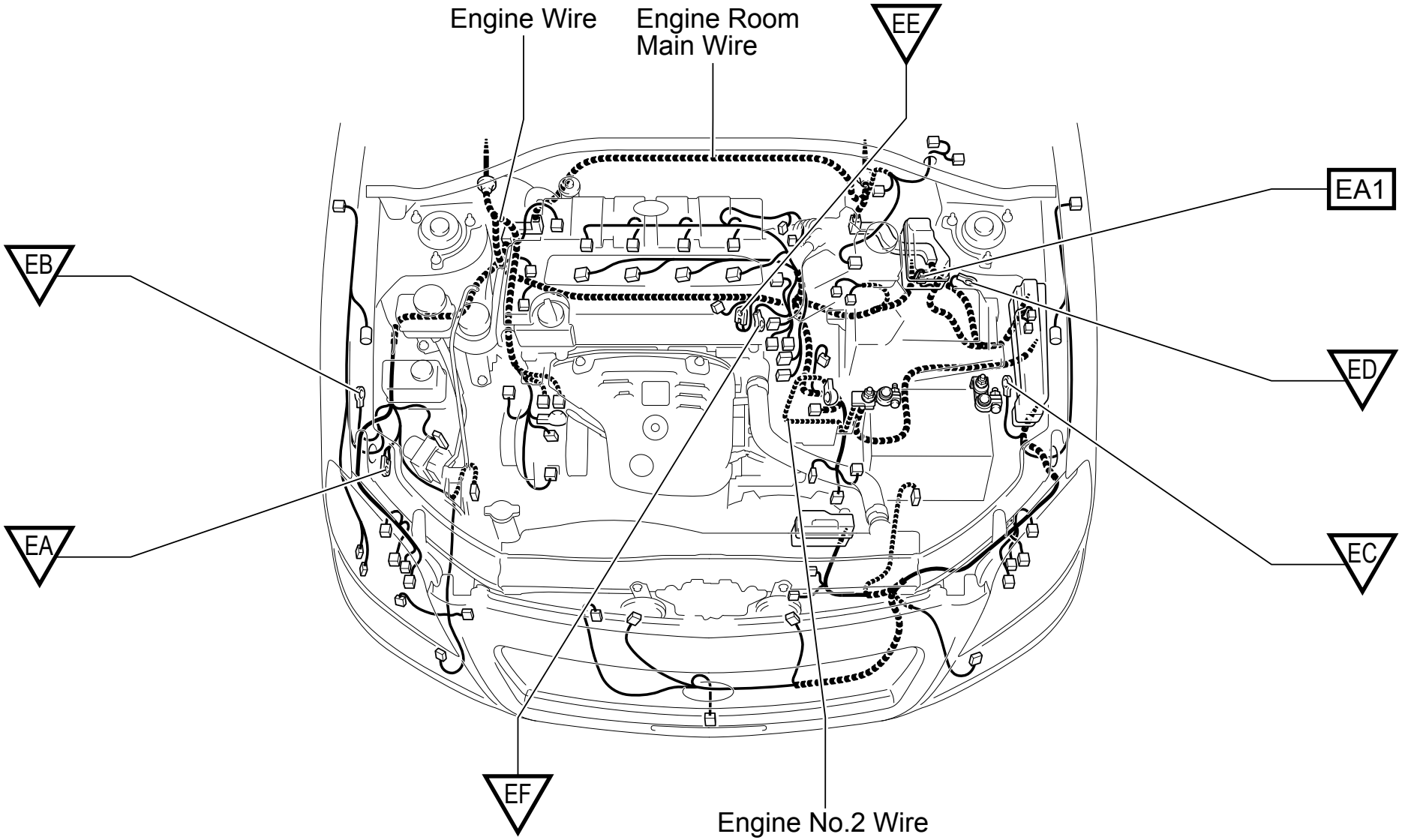
T 4
Black

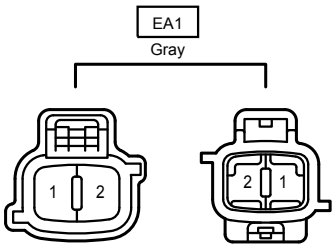


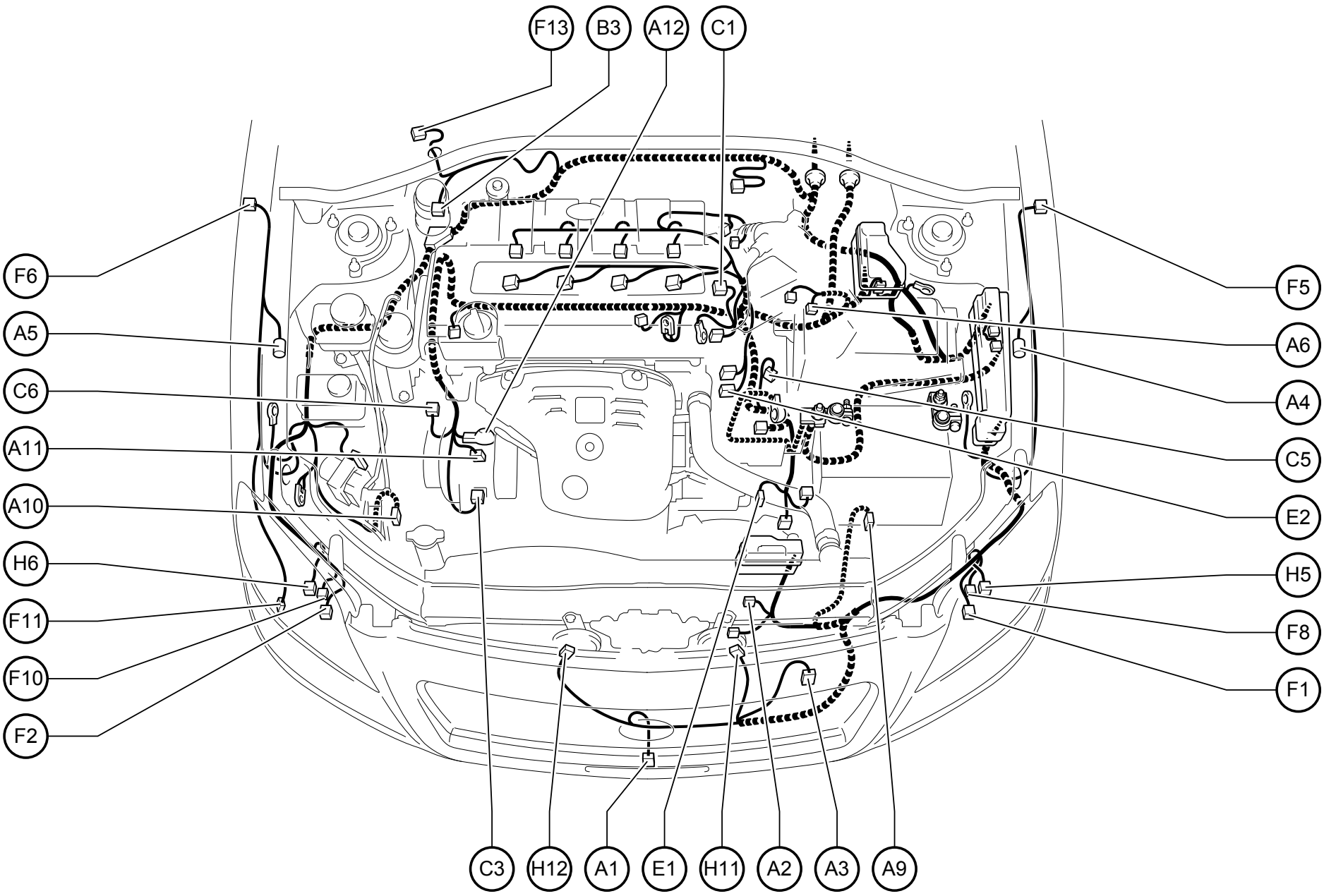
V 3
Black

V 5
Blue




Engine Wire
Engine Room
Main Wire
EE
EA1
EB
ED
EA
EC
EF
Engine No.2 Wire


EA1
Gray
1
2
2
1


F13
B3
A12
C1
F6
A5
C6
A11
A10
H6
F11
F10
F2
F5
A6
A4
C5
E2
H5
F8
F1
C3
H12
A1
E1
H11
A2
A3
A9

A 1 A/C Ambient Temp. Sensor
A 2 A/C Condenser Fan Motor
A 3 A/C Pressure Sensor
A 4 ABS Speed Sensor Front LH
A 5 ABS Speed Sensor Front RH
A 6 Air Flow Meter
A 9 Airbag Sensor Front LH
A 10 Airbag Sensor Front RH
A 11 Alternator
A 12 Alternator (1CD-FTV)
A 12 Alternator (Except 1CD-FTV)

B 3 Brake Fluid Level Warning SW

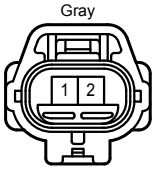
C 1 Camshaft Position Sensor
C 3 Compressor Assembly (2AD-FHV, 2AD-FTV)
C 3 Compressor Assembly (Except 2AD-FHV, 2AD-FTV)
C 5 Counter Gear Speed Sensor
C 6 Crankshaft Position Sensor (2AD-FHV, 2AD-FTV)
C 6 Crankshaft Position Sensor (2AZ-FSE, 1AZ-FSE, 1AZ-FE, 1ZZ-FE, 3ZZ-FE)
C 6 Crankshaft Position Sensor (1CD-FTV)

E 1 ECT Solenoid (2AZ-FSE)
E 1 ECT Solenoid (Except 2AZ-FSE)
E 2 EFI Water Temp. Sensor (2AD-FHV, 2AD-FTV)
E 2 EFI Water Temp. Sensor (1CD-FTV)
E 2 EFI Water Temp. Sensor (2AZ-FSE, 1AZ-FSE, 1ZZ-FE, 3ZZ-FE)
E 2 EFI Water Temp. Sensor (1AZ-FE)

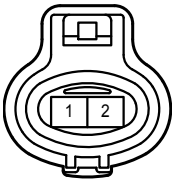
F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 5 Front Side Turn Signal Light LH
F 6 Front Side Turn Signal Light RH
F 8 Front Turn Signal Light LH , Headlight LH (Low)
F 10 Front Turn Signal Light RH , Headlight RH (Low)
F 11 Front Washer Motor
F 13 Front Wiper Motor

H 5 Headlight LH (High)
H 6 Headlight RH (High)
H 11 Horn LH
H 12 Horn RH

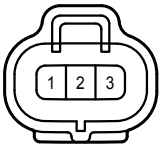
A 1
Gray



A 2
Black



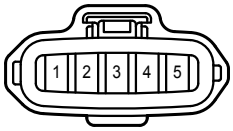
A 3
Black



A 4

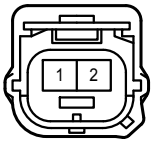
A 5

A 6
Black



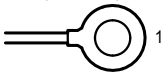
A 9
Yellow

A 10
Yellow

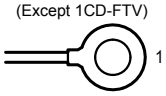


A 11
Black

A 12
(1CD-FTV)



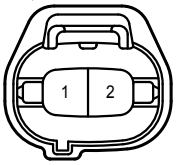
A 12
(Except 1CD-FTV)



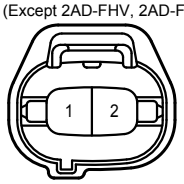
B 3
Black

C 1
Black

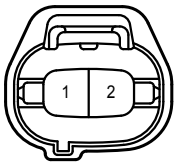
C 3
Black (2AD-FHV, 2AD-FTV)



C 3
Gray (Except 2AD-FHV, 2AD-FTV)



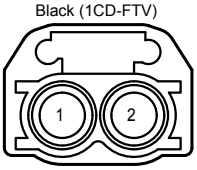
C 5
Black



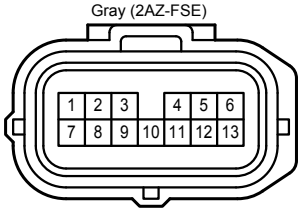
C 6
Gray (2AD-FHV, 2AD-FTV)

C 6
Gray (2AZ-FSE, 1AZ-FSE, 1AZ-FE, 1ZZ-FE, 3ZZ-FE)

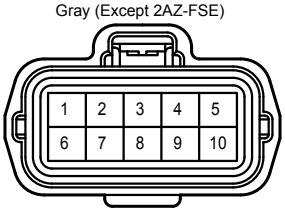
C 6
Black (1CD-FTV)



E 1
Gray (2AZ-FSE)



E 1
Gray (Except 2AZ-FSE)



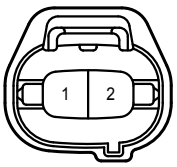
E 2
Gray (2AD-FHV, 2AD-FTV)

E 2
Gray (1CD-FTV)

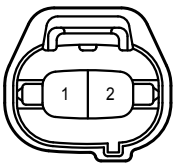
E 2
Gray (2AZ-FSE, 1AZ-FSE, 1ZZ-FE, 3ZZ-FE)

E 2
Gray (1AZ-FE)

F 1
Black



F 2
Black



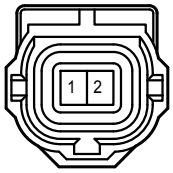
F 5
Gray

F 6
Gray

F 8

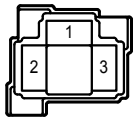
F 10

F 11
Black

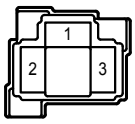


F 13
Gray

H 5

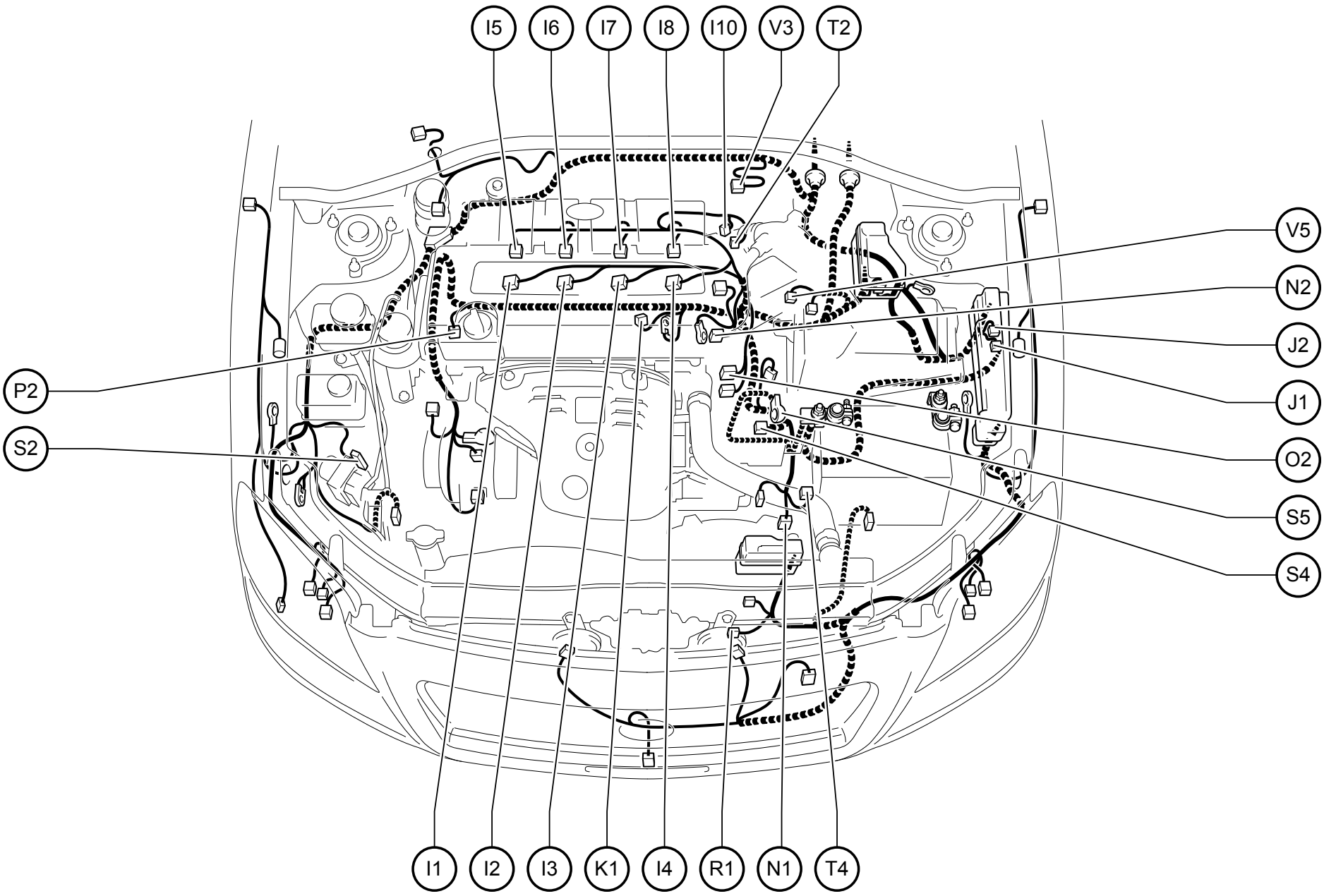


H 6



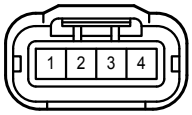
H 11
Black

H 12
Black


I5
I6
I7
I8
I10
V3
T2
V5
N2
J2
J1
O2
S5
S4
P2
S2
I1
I2
I3
K1
I4
R1
N1
T4

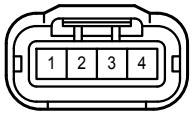
I	1	Ignition Coil and Igniter No.1
I	2	Ignition Coil and Igniter No.2
I	3	Ignition Coil and Igniter No.3
I	4	Ignition Coil and Igniter No.4
I	5	Injector No.1 (2AD-FTV)
I	5	Injector No.1 (2AD-FHV)
I	5	Injector No.1 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I	5	Injector No.1 (2AZ-FSE, 1AZ-FSE)
I	6	Injector No.2 (2AD-FTV)
I	6	Injector No.2 (2AD-FHV)
I	6	Injector No.2 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I	6	Injector No.2 (2AZ-FSE, 1AZ-FSE)
I	7	Injector No.3 (2AD-FTV)
I	7	Injector No.3 (2AD-FHV)
I	7	Injector No.3 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I	7	Injector No.3 (2AZ-FSE, 1AZ-FSE)
I	8	Injector No.4 (2AD-FTV)
I	8	Injector No.4 (2AD-FHV)
I	8	Injector No.4 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I	8	Injector No.4 (2AZ-FSE, 1AZ-FSE)
I	10	ISC Valve
J	1	Junction Connector
J	2	Junction Connector
K	1	Knock Sensor (Bank 1)
N	1	Neutral Start SW
N	2	Noise Filter (Ignition)
O	2	Oil Pressure SW
P	2	Power Steering Oil Pressure SW
R	1	Radiator Fan Motor
S	2	Skid Control ECU with Actuator
S	4	Starter
S	5	Starter (2AD-FHV, 2AD-FTV)
S	5	Starter (2AZ-FSE, 1AZ-FSE, 1AZ-FE)
S	5	Starter (1ZZ-FE, 3ZZ-FE)
S	5	Starter (1CD-FTV)
T	2	Throttle Position Sensor
T	4	Turbine Speed Sensor
V	3	Variable Resistor
V	5	VSV (EVAP)

I 1
Black



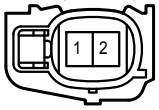
I 2
Gray

I 3
Black

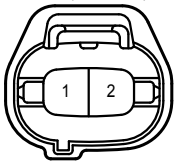


I 4
Gray

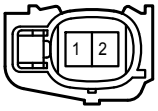
I 5
Black (2AD-FTV)



I 5
Black (2AD-FHV)

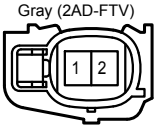


I 5
Black (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)

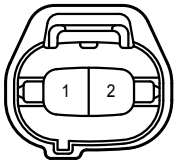


I 5
Black (2AZ-FSE, 1AZ-FSE)

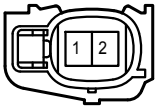
I 6
Gray (2AD-FTV)



I 6
Gray (2AD-FHV)

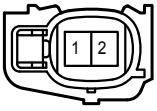


I 6
Gray (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)

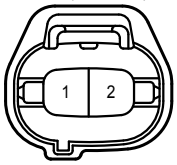


I 6
Gray (2AZ-FSE, 1AZ-FSE)

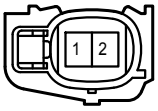
I 7
Black (2AD-FTV)



I 7
Black (2AD-FHV)

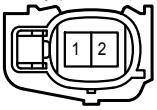


I 7
Black (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)

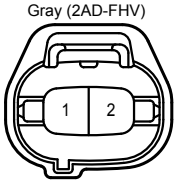


I 7
Black (2AZ-FSE, 1AZ-FSE)

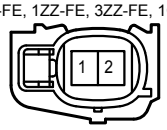
I 8
Gray (2AD-FTV)



I 8
Gray (2AD-FHV)



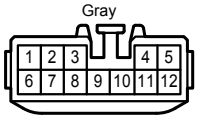
I 8
Gray (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)



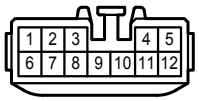
I 8
Gray (2AZ-FSE, 1AZ-FSE)

I 10
Black

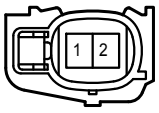
J 1
Gray



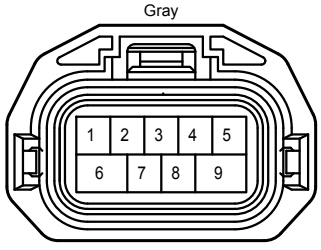
J 2
Black



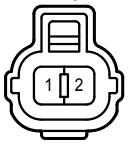
K 1
Black



N 1
Gray



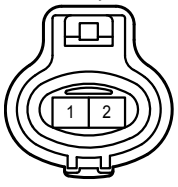
N 2
Gray



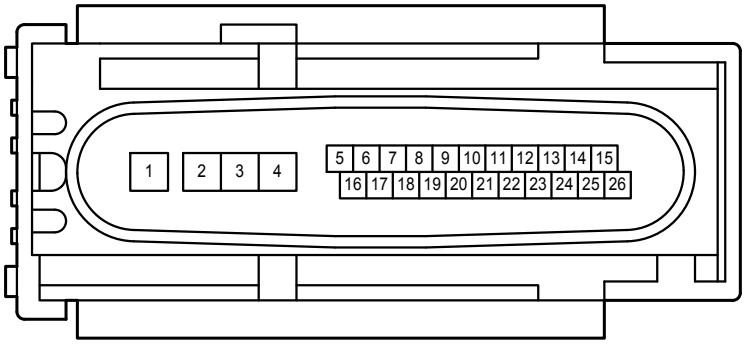
O 2
Gray

P 2
Black

R 1
Gray

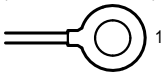


S 2
Black

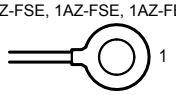


S 4
Black

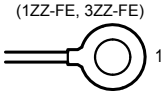
S 5
(2AD-FHV, 2AD-FTV)



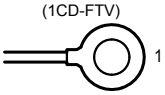
S 5
(2AZ-FSE, 1AZ-FSE, 1AZ-FE)



S 5
(1ZZ-FE, 3ZZ-FE)

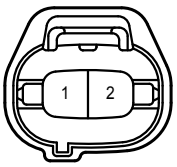


S 5
(1CD-FTV)



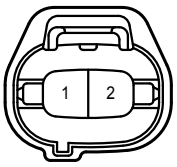
T 2
Black

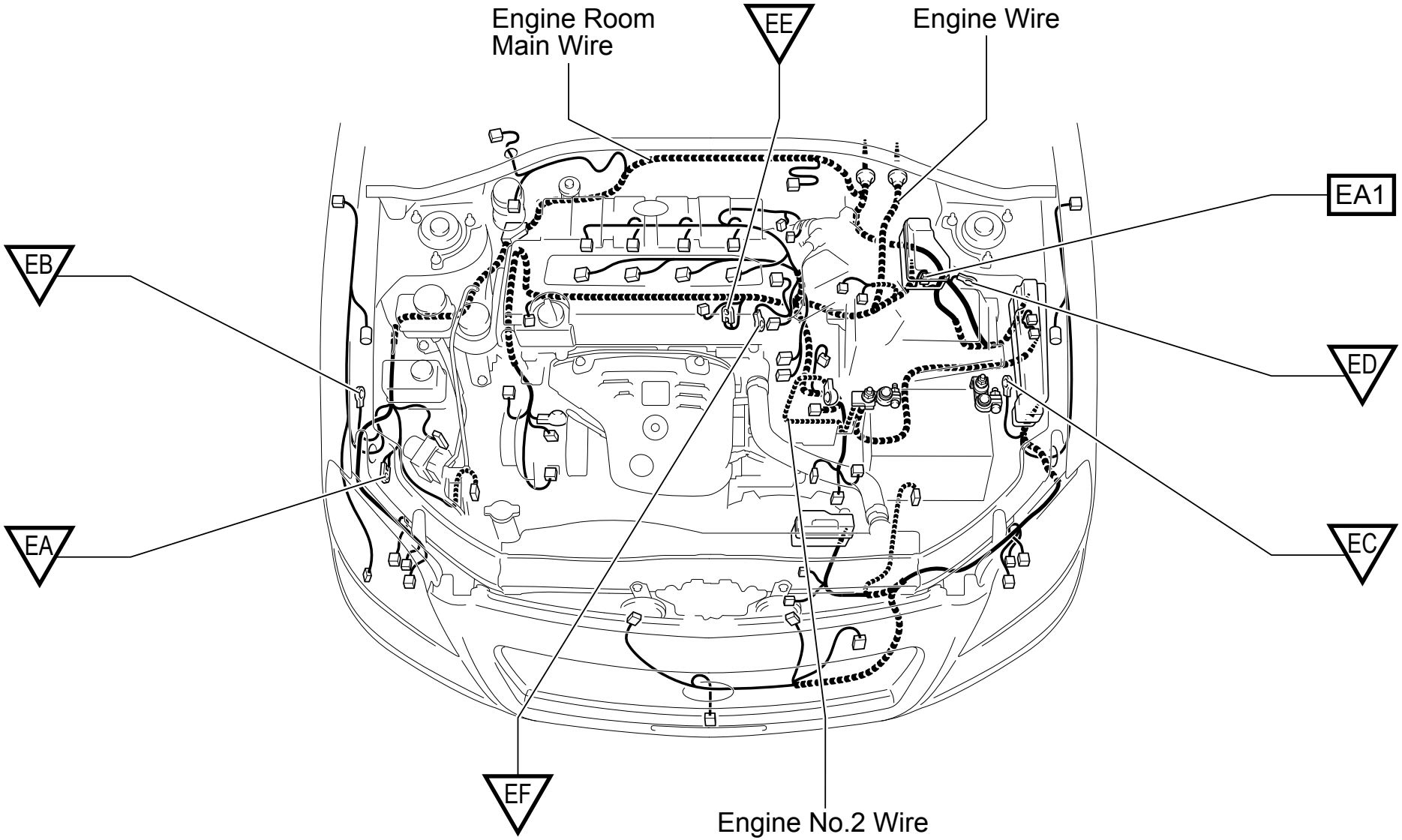
T 4
Black

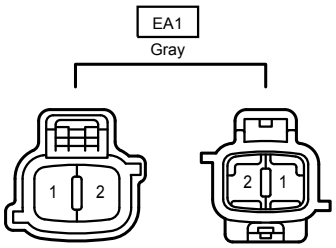


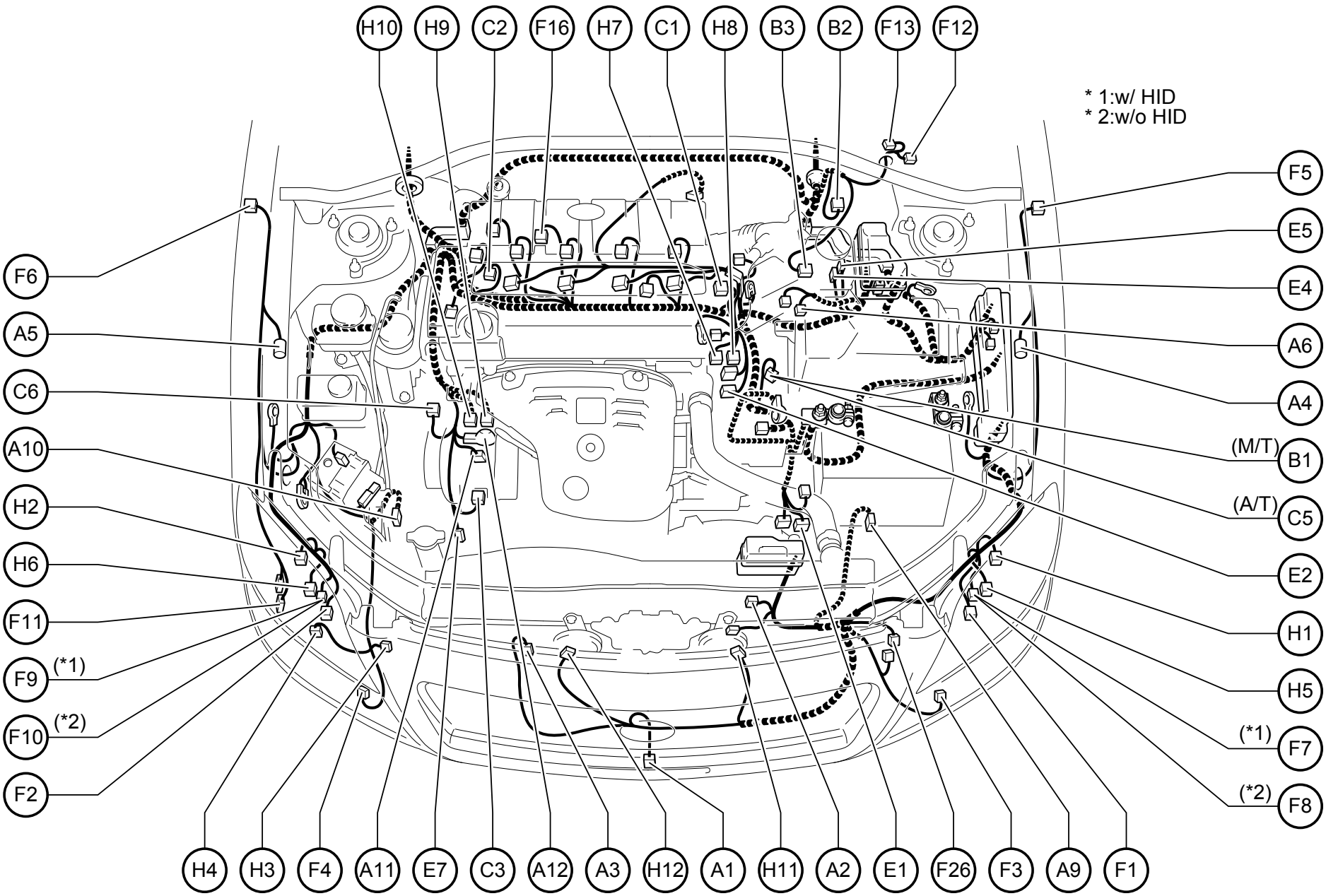
V 3
Black

V 5
Blue




Engine Room
Main Wire
EE
Engine Wire
EA1
EB
ED
EA
EC
EF
Engine No.2 Wire


EA1
Gray
1
2
2
1


H10
H9
C2
F16
H7
C1
H8
B3
B2
F13
F12
* 1:w/ HID
* 2:w/o HID
F5
E5
E4
A6
A4
(M/T)
B1
(A/T)
C5
E2
H1
H5
(*1)
F7
(*2)
F8
F6
A5
C6
A10
H2
H6
F11
(*1)
F9
(*2)
F10
F2
H4
H3
F4
A11
E7
C3
A12
A3
H12
A1
H11
A2
E1
F26
F3
A9
F1

A 1 A/C Ambient Temp. Sensor
A 2 A/C Condenser Fan Motor
A 3 A/C Pressure Sensor
A 4 ABS Speed Sensor Front LH
A 5 ABS Speed Sensor Front RH
A 6 Air Flow Meter
A 9 Airbag Sensor Front LH
A 10 Airbag Sensor Front RH
A 11 Alternator
A 12 Alternator (1CD-FTV)
A 12 Alternator (Except 1CD-FTV)

B 1 Back-Up Light SW
B 2 Brake Booster Pressure Sensor
B 3 Brake Fluid Level Warning SW

C 1 Camshaft Position Sensor
C 2 Camshaft Timing Oil Control Valve
C 3 Compressor Assembly (2AD-FHV, 2AD-FTV)
C 3 Compressor Assembly (Except 2AD-FHV, 2AD-FTV)
C 5 Counter Gear Speed Sensor
C 6 Crankshaft Position Sensor (2AD-FHV, 2AD-FTV)
C 6 Crankshaft Position Sensor (2AZ-FSE, 1AZ-FSE, 1AZ-FE, 1ZZ-FE, 3ZZ-FE)
C 6 Crankshaft Position Sensor (1CD-FTV)

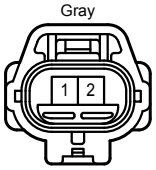
E 2 EFI Water Temp. Sensor (2AD-FHV, 2AD-FTV)
E 2 EFI Water Temp. Sensor (1CD-FTV)
E 2 EFI Water Temp. Sensor (2AZ-FSE, 1AZ-FSE, 1ZZ-FE, 3ZZ-FE)
E 2 EFI Water Temp. Sensor (1AZ-FE)
E 4 Electronic Driver Unit
E 5 Electronic Driver Unit (1CD-FTV, 2AD-FTV)
E 5 Electronic Driver Unit (2AZ-FSE, 1AZ-FSE)
E 7 Engine Oil Level Sensor (2AZ-FSE)
E 7 Engine Oil Level Sensor (1CD-FTV, 2AD-FHV, 2AD-FTV)

F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 3 Front Fog Light LH
F 4 Front Fog Light RH
F 5 Front Side Turn Signal Light LH
F 6 Front Side Turn Signal Light RH
F 7 Front Turn Signal Light LH , Headlight Control ECU LH
F 8 Front Turn Signal Light LH , Headlight LH (Low)
F 9 Front Turn Signal Light RH , Headlight Control ECU RH
F 10 Front Turn Signal Light RH , Headlight RH (Low)
F 11 Front Washer Motor
F 12 Front Window Deicer
F 13 Front Wiper Motor
F 16 Fuel Pressure Sensor (1CD-FTV, 2AD-FHV)
F 16 Fuel Pressure Sensor (2AZ-FSE, 1AZ-FSE)
F 26 Fuel Pump Resistor

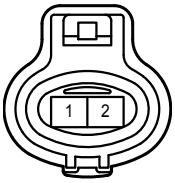
H 1 Headlight Beam Level Control Actuator LH
H 2 Headlight Beam Level Control Actuator RH
H 3 Headlight Cleaner Control Relay
H 4 Headlight Cleaner Motor
H 5 Headlight LH (High)
H 6 Headlight RH (High)
H 7 Heated Oxygen Sensor (Bank 1 Sensor 1) (1ZZ-FE, 3ZZ-FE)

H 7 Heated Oxygen Sensor (Bank 1 Sensor 1) (2AZ-FSE, 1AZ-FSE)
H 8 Heated Oxygen Sensor (Bank 1 Sensor 2)
H 9 Heated Oxygen Sensor (Bank 2 Sensor 1)
H 10 Heated Oxygen Sensor (Bank 2 Sensor 2)
H 11 Horn LH
H 12 Horn RH

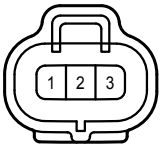
A 1
Gray



A 2
Black



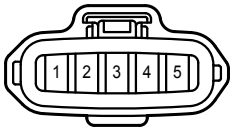
A 3
Black



A 4

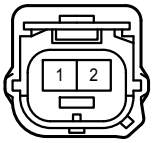
A 5

A 6
Black



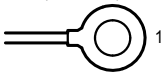
A 9
Yellow

A 10
Yellow

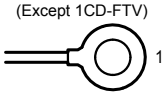


A 11
Black

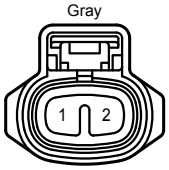
A 12
(1CD-FTV)



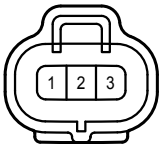
A 12
(Except 1CD-FTV)



B 1
Gray



B 2
Black

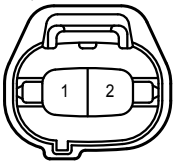


B 3
Black

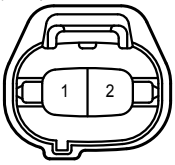
C 1
Black

C 2
Black

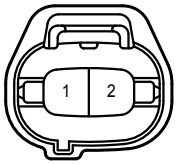
C 3
Black (2AD-FHV, 2AD-FTV)



C 3
Gray (Except 2AD-FHV, 2AD-FTV)



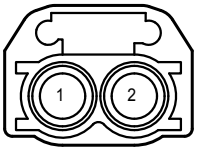
C 5
Black



C 6
Gray (2AD-FHV, 2AD-FTV)

C 6
Gray (2AZ-FSE, 1AZ-FSE, 1AZ-FE, 1ZZ-FE, 3ZZ-FE)

C 6
Black (1CD-FTV)



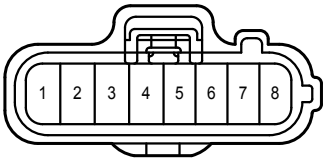
E 2
Gray (2AD-FHV, 2AD-FTV)

E 2
Gray (1CD-FTV)

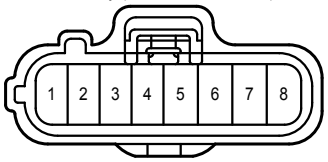
E 2
Gray (2AZ-FSE, 1AZ-FSE, 1ZZ-FE, 3ZZ-FE)

E 2
Gray (1AZ-FE)

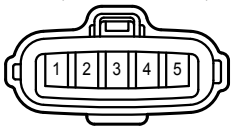
E 4
Black



E 5
Dark Gray (1CD-FTV, 2AD-FTV)



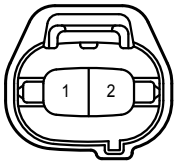
E 5
Black (2AZ-FSE, 1AZ-FSE)



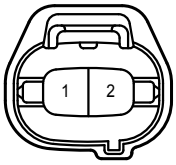
E 7
Gray (2AZ-FSE)

E 7
Gray (1CD-FTV, 2AD-FHV, 2AD-FTV)

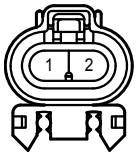
F 1
Black



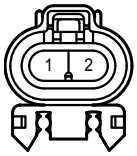
F 2
Black



F 3
Brown



F 4
Brown



F 5
Gray

F 6
Gray

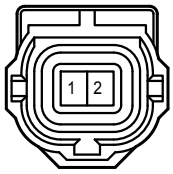
F 7

F 8

F 9

F 10

F 11
Black

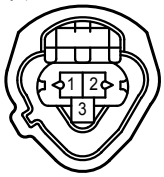


F 12
Black

F 13
Gray

F 16
Black (1CD-FTV, 2AD-FHV)

F 16
Gray (2AZ-FSE, 1AZ-FSE)

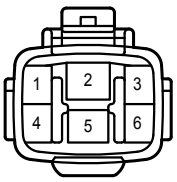


F 26
Dark Gray

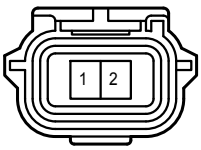
H 1
Gray

H 2
Gray

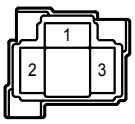
H 3
Black



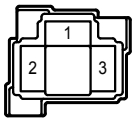
H 4
Black



H 5



H 6



H 7
Gray (1ZZ-FE, 3ZZ-FE)

H 7
Gray (2AZ-FSE, 1AZ-FSE)

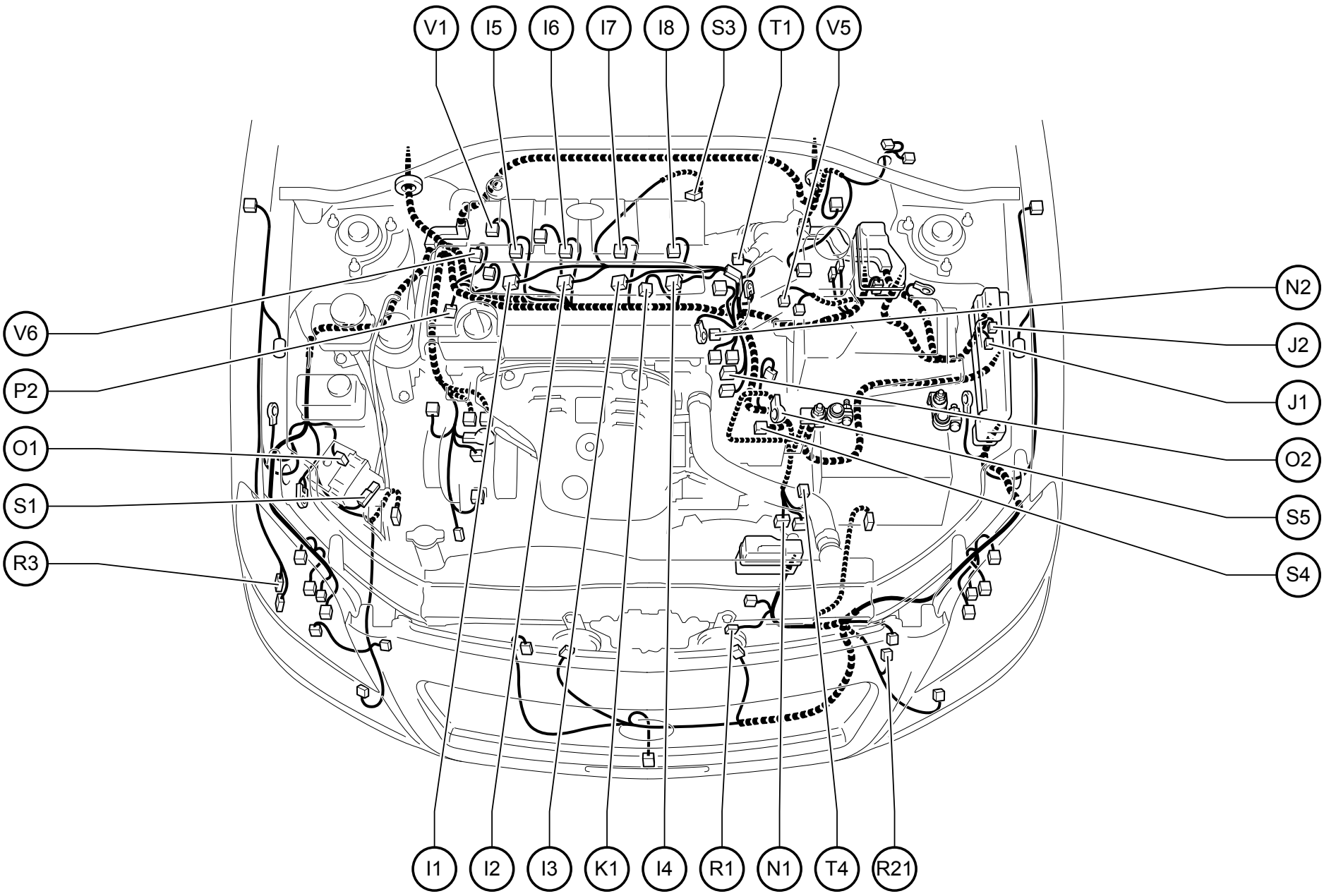
H 8
Black

H 9
Gray

H 10
Black

H 11
Black

H 12
Black


V1
I5
I6
I7
I8
S3
T1
V5
V6
P2
O1
S1
R3
N2
J2
J1
O2
S5
S4
I1
I2
I3
K1
I4
R1
N1
T4
R21

I 1 Ignition Coil and Igniter No.1
I 2 Ignition Coil and Igniter No.2
I 3 Ignition Coil and Igniter No.3
I 4 Ignition Coil and Igniter No.4
I 5 Injector No.1 (2AD-FTV)
I 5 Injector No.1 (2AD-FHV)
I 5 Injector No.1 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 5 Injector No.1 (2AZ-FSE, 1AZ-FSE)
I 6 Injector No.2 (2AD-FTV)
I 6 Injector No.2 (2AD-FHV)
I 6 Injector No.2 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 6 Injector No.2 (2AZ-FSE, 1AZ-FSE)
I 7 Injector No.3 (2AD-FTV)
I 7 Injector No.3 (2AD-FHV)
I 7 Injector No.3 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 7 Injector No.3 (2AZ-FSE, 1AZ-FSE)
I 8 Injector No.4 (2AD-FTV)
I 8 Injector No.4 (2AD-FHV)
I 8 Injector No.4 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 8 Injector No.4 (2AZ-FSE, 1AZ-FSE)

J 1 Junction Connector
J 2 Junction Connector

K 1 Knock Sensor (Bank 1)

N 1 Neutral Start SW
N 2 Noise Filter (Ignition)

O 1 Oil Pressure Sensor
O 2 Oil Pressure SW

P 2 Power Steering Oil Pressure SW

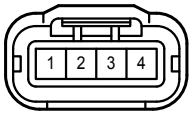
R 1 Radiator Fan Motor
R 3 Rear Washer Motor
R 21 Radiator Fan Relay

S 1 Skid Control ECU with Actuator
S 3 Spill Valve
S 4 Starter
S 5 Starter (2AD-FHV, 2AD-FTV)
S 5 Starter (2AZ-FSE, 1AZ-FSE, 1AZ-FE)
S 5 Starter (1ZZ-FE, 3ZZ-FE)
S 5 Starter (1CD-FTV)

T 1 Throttle Control Motor and Position Sensor
T 4 Turbine Speed Sensor

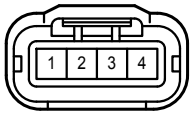
V 1 Vacuum Sensor
V 5 VSV (EVAP)
V 6 VSV (Intake Air Control Valve)

I 1
Black



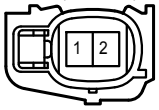
I 2
Gray

I 3
Black

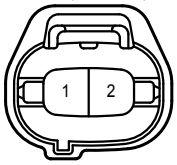


I 4
Gray

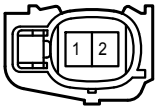
I 5
Black (2AD-FTV)



I 5
Black (2AD-FHV)

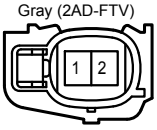


I 5
Black (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)

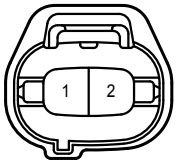


I 5
Black (2AZ-FSE, 1AZ-FSE)

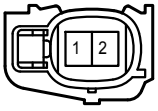
I 6
Gray (2AD-FTV)



I 6
Gray (2AD-FHV)

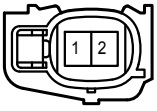


I 6
Gray (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)

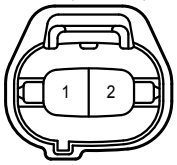


I 6
Gray (2AZ-FSE, 1AZ-FSE)

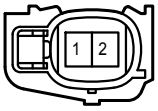
I 7
Black (2AD-FTV)



I 7
Black (2AD-FHV)

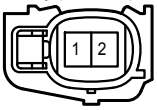


I 7
Black (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)

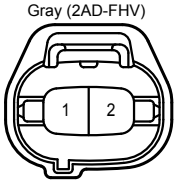


I 7
Black (2AZ-FSE, 1AZ-FSE)

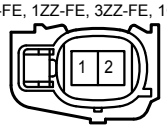
I 8
Gray (2AD-FTV)



I 8
Gray (2AD-FHV)

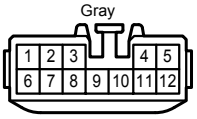


I 8
Gray (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)

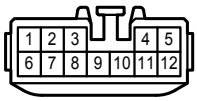


I 8
Gray (2AZ-FSE, 1AZ-FSE)

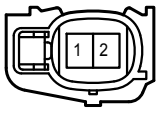
J 1
Gray



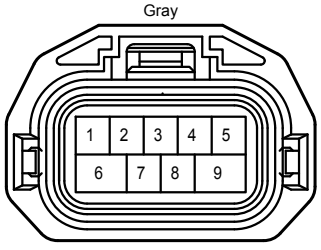
J 2
Black



K 1
Black

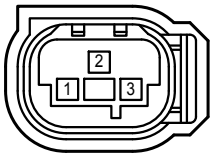


N 1
Gray



N 2
Gray

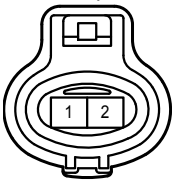
O 1
Black



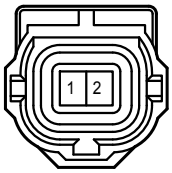
O 2
Gray

P 2
Black

R 1
Gray

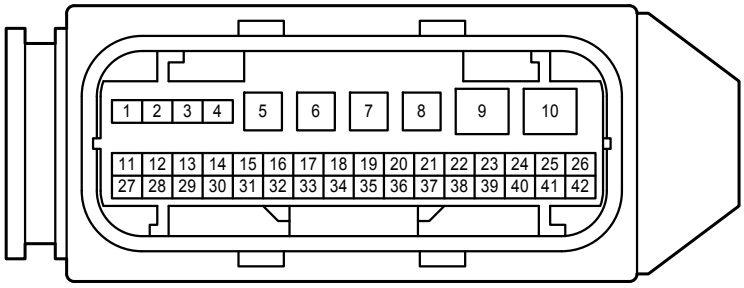


R 3
Red



R 21
Black

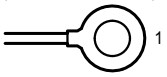
S 1
Black



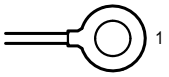
S 3
Gray

S 4
Black

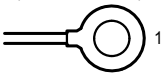
S 5
(2AD-FHV, 2AD-FTV)



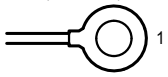
S 5
(2AZ-FSE, 1AZ-FSE, 1AZ-FE)



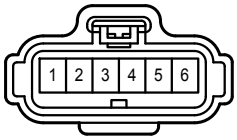
S 5
(1ZZ-FE, 3ZZ-FE)



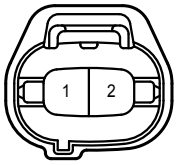
S 5
(1CD-FTV)



T 1
Black

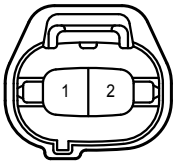


T 4
Black

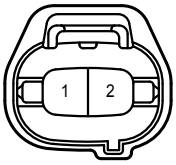


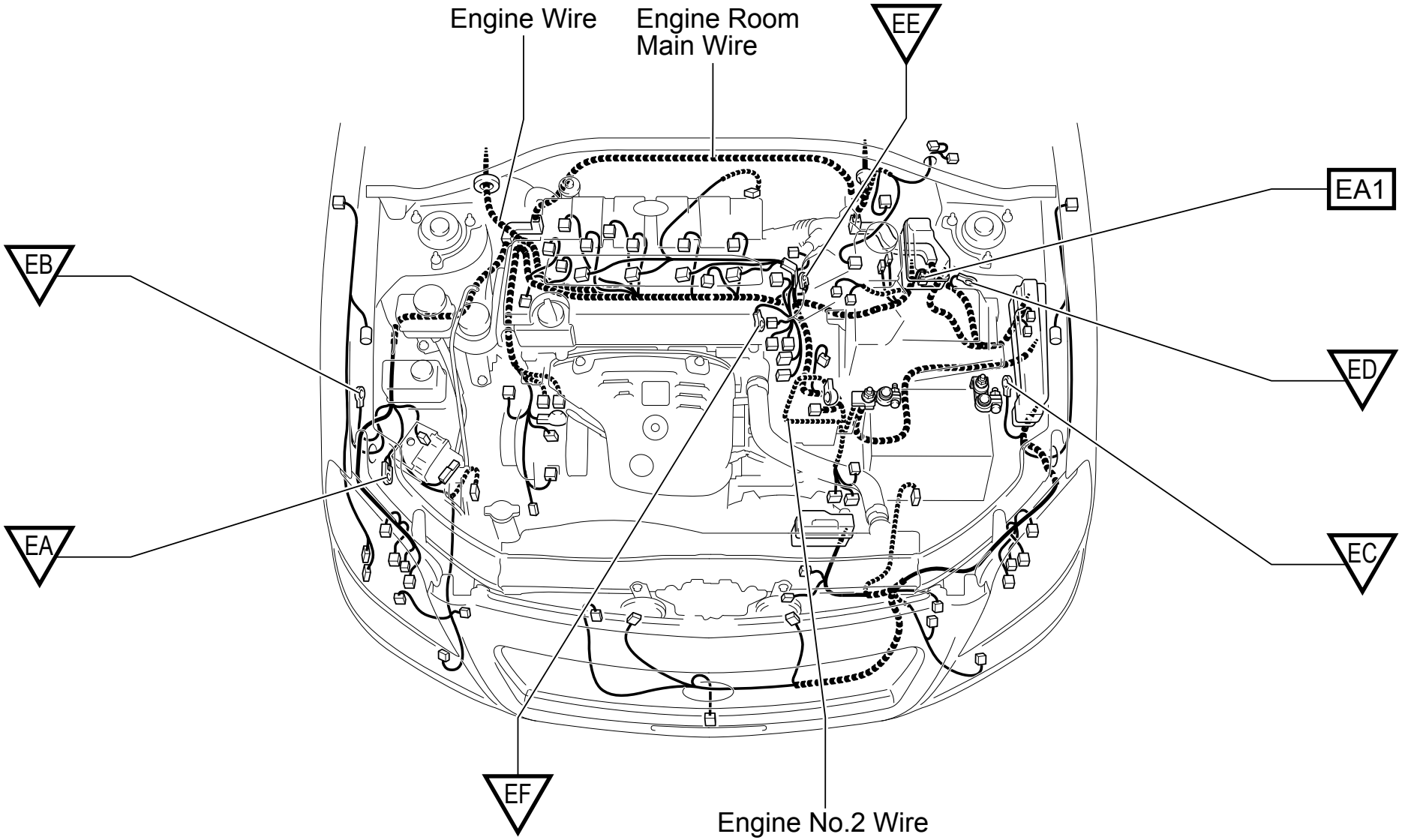
V 1
Black

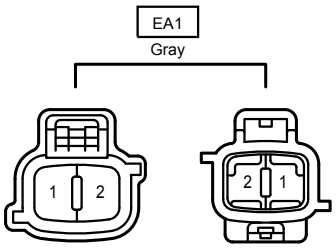
V 5
Blue

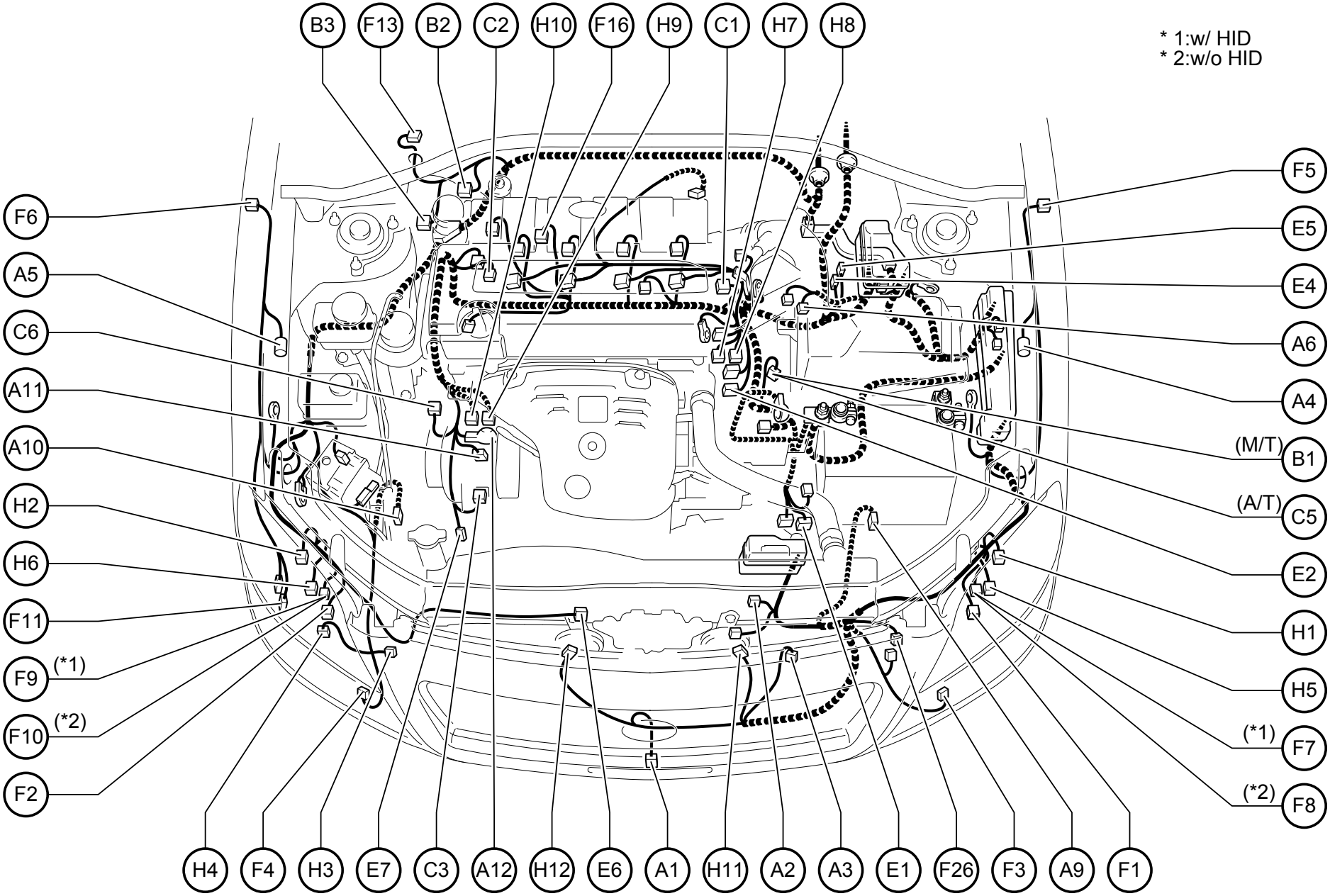


V 6
Brown




Engine Wire
Engine Room Main Wire
EE
EA1
EB
ED
EA
EC
EF
Engine No.2 Wire


EA1
Gray
1
2
2
1


B3
F13
B2
C2
H10
F16
H9
C1
H7
H8
* 1:w/ HID
* 2:w/o HID
F5
E5
E4
A6
A4
(M/T)
B1
(A/T)
C5
E2
H1
H5
(*1)
F7
(*2)
F8
F6
A5
C6
A11
A10
H2
H6
F11
F9
(*1)
F10
(*2)
F2
H4
F4
H3
E7
C3
A12
H12
E6
A1
H11
A2
A3
E1
F26
F3
A9
F1

A 1 A/C Ambient Temp. Sensor
A 2 A/C Condenser Fan Motor
A 3 A/C Pressure Sensor
A 4 ABS Speed Sensor Front LH
A 5 ABS Speed Sensor Front RH
A 6 Air Flow Meter
A 9 Airbag Sensor Front LH
A 10 Airbag Sensor Front RH
A 11 Alternator
A 12 Alternator (1CD-FTV)
A 12 Alternator (Except 1CD-FTV)

B 1 Back-Up Light SW
B 2 Brake Booster Pressure Sensor
B 3 Brake Fluid Level Warning SW

C 1 Camshaft Position Sensor
C 2 Camshaft Timing Oil Control Valve
C 3 Compressor Assembly (2AD-FHV, 2AD-FTV)
C 3 Compressor Assembly (Except 2AD-FHV, 2AD-FTV)
C 5 Counter Gear Speed Sensor
C 6 Crankshaft Position Sensor (2AD-FHV, 2AD-FTV)
C 6 Crankshaft Position Sensor (2AZ-FSE, 1AZ-FSE, 1AZ-FE, 1ZZ-FE, 3ZZ-FE)
C 6 Crankshaft Position Sensor (1CD-FTV)

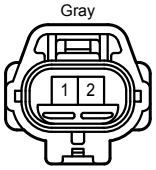
E 1 ECT Solenoid (2AZ-FSE)
E 1 ECT Solenoid (Except 2AZ-FSE)
E 2 EFI Water Temp. Sensor (2AD-FHV, 2AD-FTV)
E 2 EFI Water Temp. Sensor (1CD-FTV)
E 2 EFI Water Temp. Sensor (2AZ-FSE, 1AZ-FSE, 1ZZ-FE, 3ZZ-FE)
E 2 EFI Water Temp. Sensor (1AZ-FE)
E 4 Electronic Driver Unit
E 5 Electronic Driver Unit (1CD-FTV, 2AD-FTV)
E 5 Electronic Driver Unit (2AZ-FSE, 1AZ-FSE)
E 6 Engine Hood Courtesy SW
E 7 Engine Oil Level Sensor (2AZ-FSE)
E 7 Engine Oil Level Sensor (1CD-FTV, 2AD-FHV, 2AD-FTV)

F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 3 Front Fog Light LH
F 4 Front Fog Light RH
F 5 Front Side Turn Signal Light LH
F 6 Front Side Turn Signal Light RH
F 7 Front Turn Signal Light LH , Headlight Control ECU LH
F 8 Front Turn Signal Light LH , Headlight LH (Low)
F 9 Front Turn Signal Light RH , Headlight Control ECU RH
F 10 Front Turn Signal Light RH , Headlight RH (Low)
F 11 Front Washer Motor
F 13 Front Wiper Motor
F 16 Fuel Pressure Sensor (1CD-FTV, 2AD-FHV)
F 16 Fuel Pressure Sensor (2AZ-FSE, 1AZ-FSE)
F 26 Fuel Pump Resistor

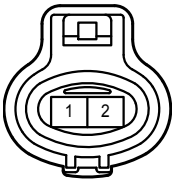
H 1 Headlight Beam Level Control Actuator LH
H 2 Headlight Beam Level Control Actuator RH
H 3 Headlight Cleaner Control Relay
H 4 Headlight Cleaner Motor
H 5 Headlight LH (High)

H 6 Headlight RH (High)
H 7 Heated Oxygen Sensor (Bank 1 Sensor 1) (1ZZ-FE, 3ZZ-FE)
H 7 Heated Oxygen Sensor (Bank 1 Sensor 1) (2AZ-FSE, 1AZ-FSE)
H 8 Heated Oxygen Sensor (Bank 1 Sensor 2)
H 9 Heated Oxygen Sensor (Bank 2 Sensor 1)
H 10 Heated Oxygen Sensor (Bank 2 Sensor 2)
H 11 Horn LH
H 12 Horn RH

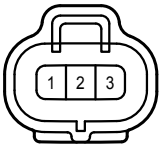
A 1
Gray



A 2
Black



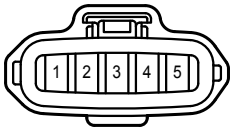
A 3
Black



A 4

A 5

A 6
Black

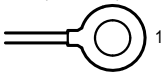


A 9
Yellow

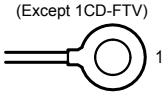
A 10
Yellow

A 11
Black

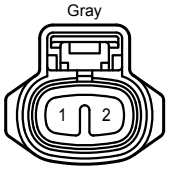
A 12
(1CD-FTV)



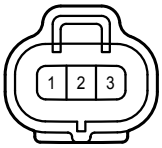
A 12
(Except 1CD-FTV)



B 1
Gray



B 2
Black

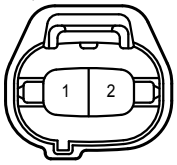


B 3
Black

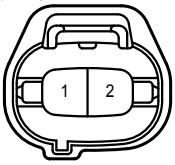
C 1
Black

C 2
Black

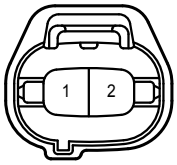
C 3
Black (2AD-FHV, 2AD-FTV)



C 3
Gray (Except 2AD-FHV, 2AD-FTV)



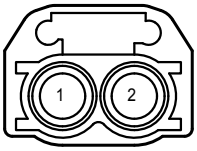
C 5
Black



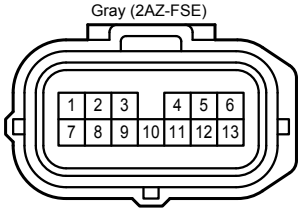
C 6
Gray (2AD-FHV, 2AD-FTV)

C 6
Gray (2AZ-FSE, 1AZ-FSE, 1AZ-FE, 1ZZ-FE, 3ZZ-FE)

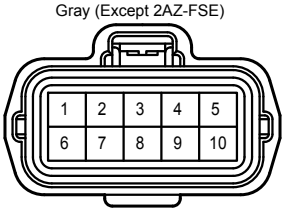
C 6
Black (1CD-FTV)



E 1
Gray (2AZ-FSE)



E 1
Gray (Except 2AZ-FSE)



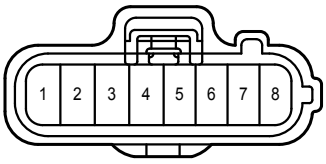
E 2
Gray (2AD-FHV, 2AD-FTV)

E 2
Gray (1CD-FTV)

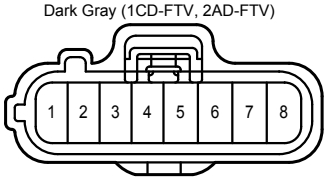
E 2
Gray (2AZ-FSE, 1AZ-FSE, 1ZZ-FE, 3ZZ-FE)

E 2
Gray (1AZ-FE)

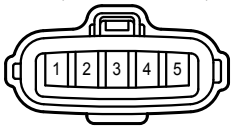
E 4
Black



E 5
Dark Gray (1CD-FTV, 2AD-FTV)



E 5
Black (2AZ-FSE, 1AZ-FSE)

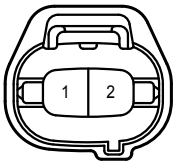


E 6
Black

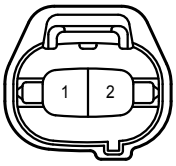
E 7
Gray (2AZ-FSE)

E 7
Gray (1CD-FTV, 2AD-FHV, 2AD-FTV)

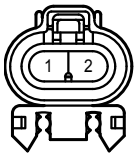
F 1
Black



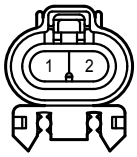
F 2
Black



F 3
Brown



F 4
Brown



F 5
Gray

F 6
Gray

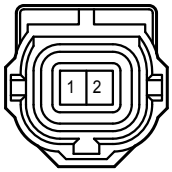
F 7

F 8

F 9

F 10

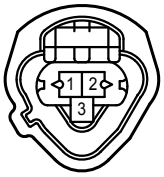
F 11
Black



F 13
Gray

F 16
Black (1CD-FTV, 2AD-FHV)

F 16
Gray (2AZ-FSE, 1AZ-FSE)

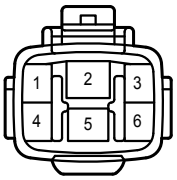


F 26
Dark Gray

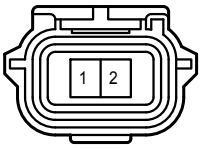
H 1
Gray

H 2
Gray

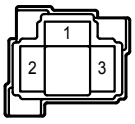
H 3
Black



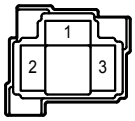
H 4
Black



H 5



H 6



H 7
Gray (1ZZ-FE, 3ZZ-FE)

H 7
Gray (2AZ-FSE, 1AZ-FSE)

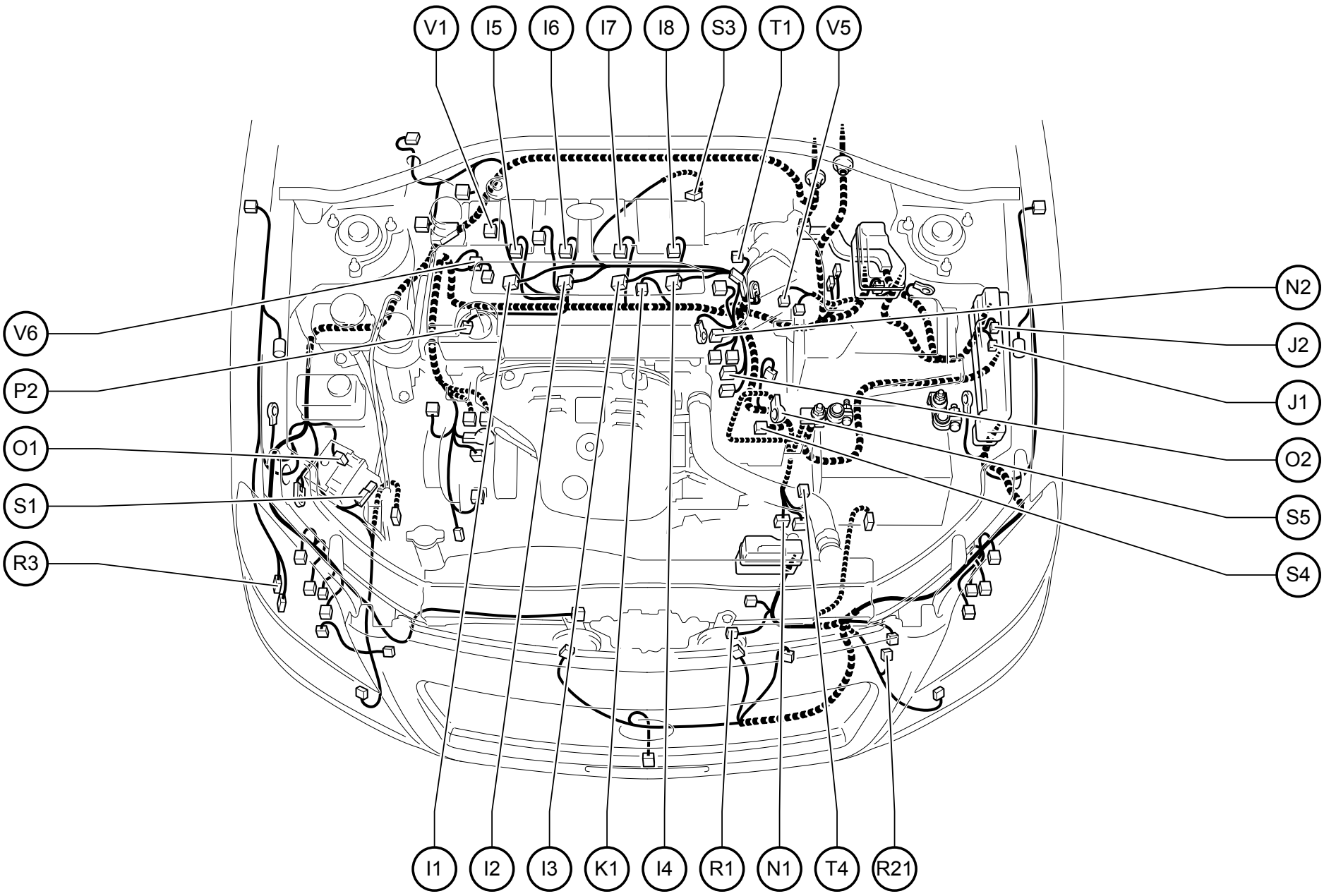
H 8
Black

H 9
Gray

H 10
Black

H 11
Black

H 12
Black


V1
I5
I6
I7
I8
S3
T1
V5
V6
P2
O1
S1
R3
N2
J2
J1
O2
S5
S4
I1
I2
I3
K1
I4
R1
N1
T4
R21

I 1 Ignition Coil and Igniter No.1
I 2 Ignition Coil and Igniter No.2
I 3 Ignition Coil and Igniter No.3
I 4 Ignition Coil and Igniter No.4
I 5 Injector No.1 (2AD-FTV)
I 5 Injector No.1 (2AD-FHV)
I 5 Injector No.1 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 5 Injector No.1 (2AZ-FSE, 1AZ-FSE)
I 6 Injector No.2 (2AD-FTV)
I 6 Injector No.2 (2AD-FHV)
I 6 Injector No.2 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 6 Injector No.2 (2AZ-FSE, 1AZ-FSE)
I 7 Injector No.3 (2AD-FTV)
I 7 Injector No.3 (2AD-FHV)
I 7 Injector No.3 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 7 Injector No.3 (2AZ-FSE, 1AZ-FSE)
I 8 Injector No.4 (2AD-FTV)
I 8 Injector No.4 (2AD-FHV)
I 8 Injector No.4 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 8 Injector No.4 (2AZ-FSE, 1AZ-FSE)

J 1 Junction Connector
J 2 Junction Connector

K 1 Knock Sensor (Bank 1)

N 1 Neutral Start SW
N 2 Noise Filter (Ignition)

O 1 Oil Pressure Sensor
O 2 Oil Pressure SW

P 2 Power Steering Oil Pressure SW

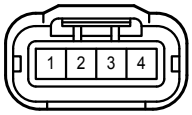
R 1 Radiator Fan Motor
R 3 Rear Washer Motor
R 21 Radiator Fan Relay

S 1 Skid Control ECU with Actuator
S 3 Spill Valve
S 4 Starter
S 5 Starter (2AD-FHV, 2AD-FTV)
S 5 Starter (2AZ-FSE, 1AZ-FSE, 1AZ-FE)
S 5 Starter (1ZZ-FE, 3ZZ-FE)
S 5 Starter (1CD-FTV)

T 1 Throttle Control Motor and Position Sensor
T 4 Turbine Speed Sensor

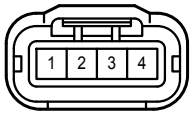
V 1 Vacuum Sensor
V 5 VSV (EVAP)
V 6 VSV (Intake Air Control Valve)

I 1
Black



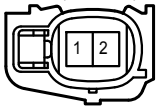
I 2
Gray

I 3
Black

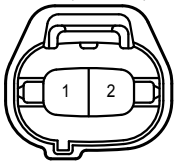


I 4
Gray

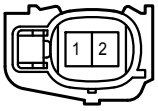
I 5
Black (2AD-FTV)



I 5
Black (2AD-FHV)

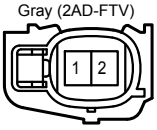


I 5
Black (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)

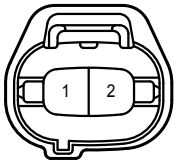


I 5
Black (2AZ-FSE, 1AZ-FSE)

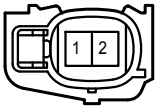
I 6
Gray (2AD-FTV)



I 6
Gray (2AD-FHV)

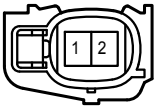


I 6
Gray (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)

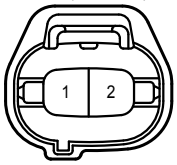


I 6
Gray (2AZ-FSE, 1AZ-FSE)

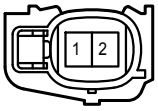
I 7
Black (2AD-FTV)



I 7
Black (2AD-FHV)

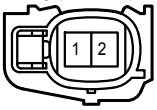


I 7
Black (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)

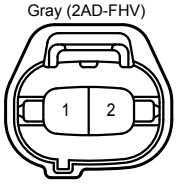


I 7
Black (2AZ-FSE, 1AZ-FSE)

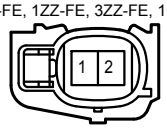
I 8
Gray (2AD-FTV)



I 8
Gray (2AD-FHV)

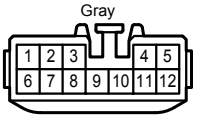


I 8
Gray (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)

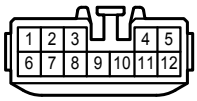


I 8
Gray (2AZ-FSE, 1AZ-FSE)

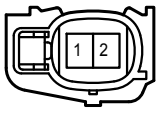
J 1
Gray



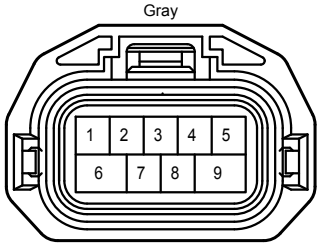
J 2
Black



K 1
Black

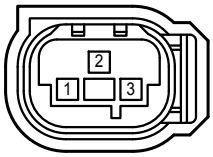


N 1
Gray



N 2
Gray

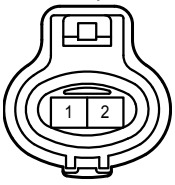
O 1
Black



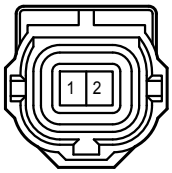
O 2
Gray

P 2
Black

R 1
Gray

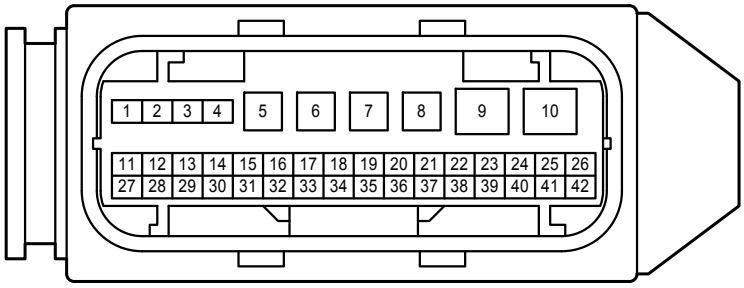


R 3
Red



R 21
Black

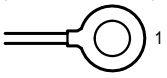
S 1
Black



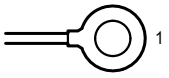
S 3
Gray

S 4
Black

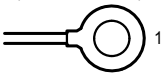
S 5
(2AD-FHV, 2AD-FTV)



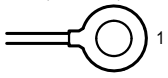
S 5
(2AZ-FSE, 1AZ-FSE, 1AZ-FE)



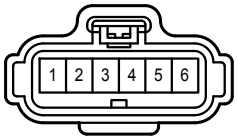
S 5
(1ZZ-FE, 3ZZ-FE)



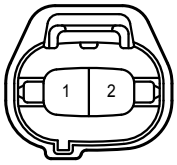
S 5
(1CD-FTV)



T 1
Black

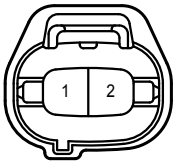


T 4
Black

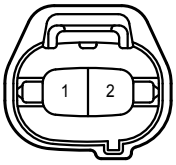


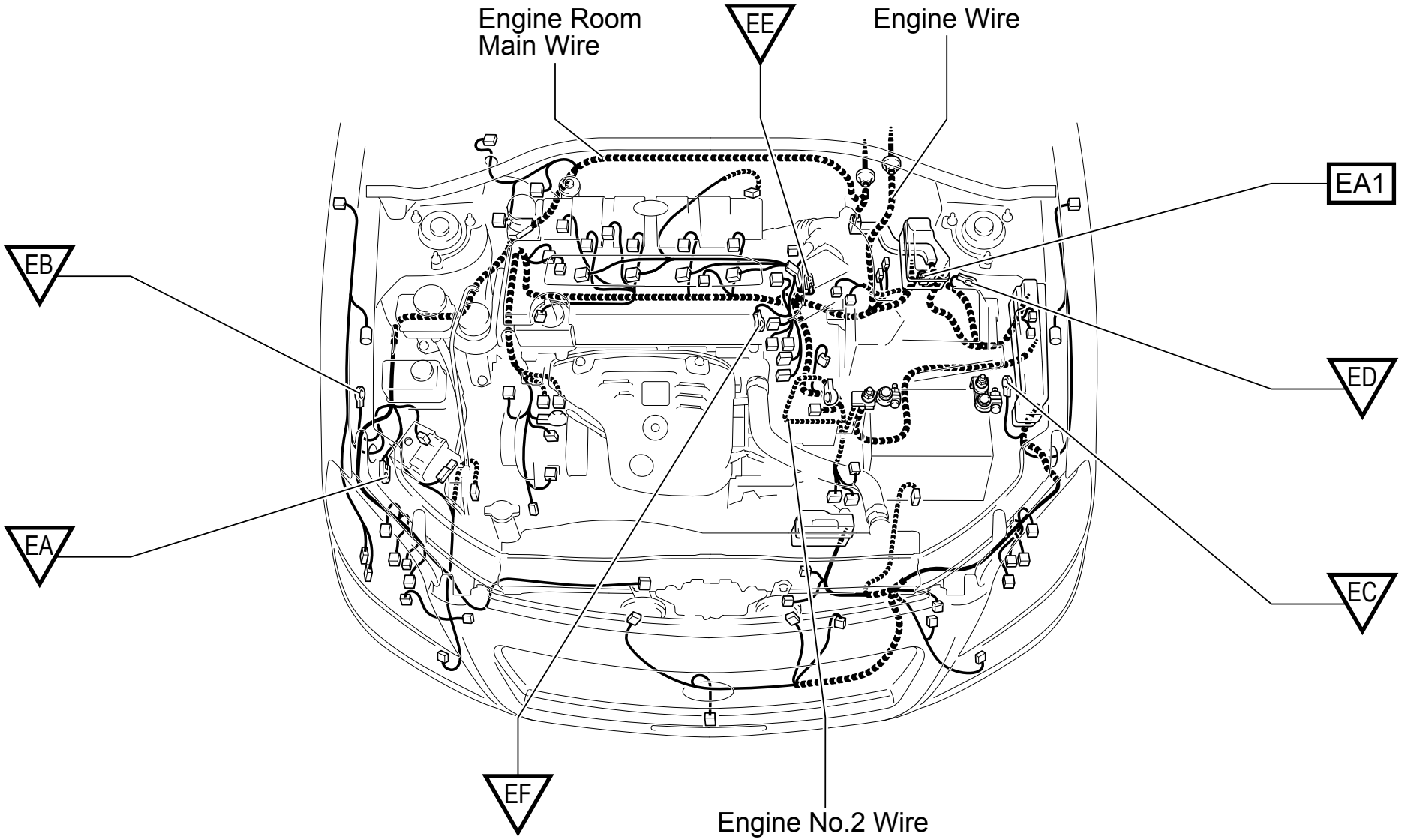
V 1
Black

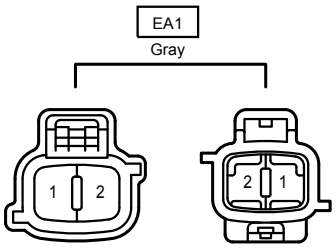
V 5
Blue

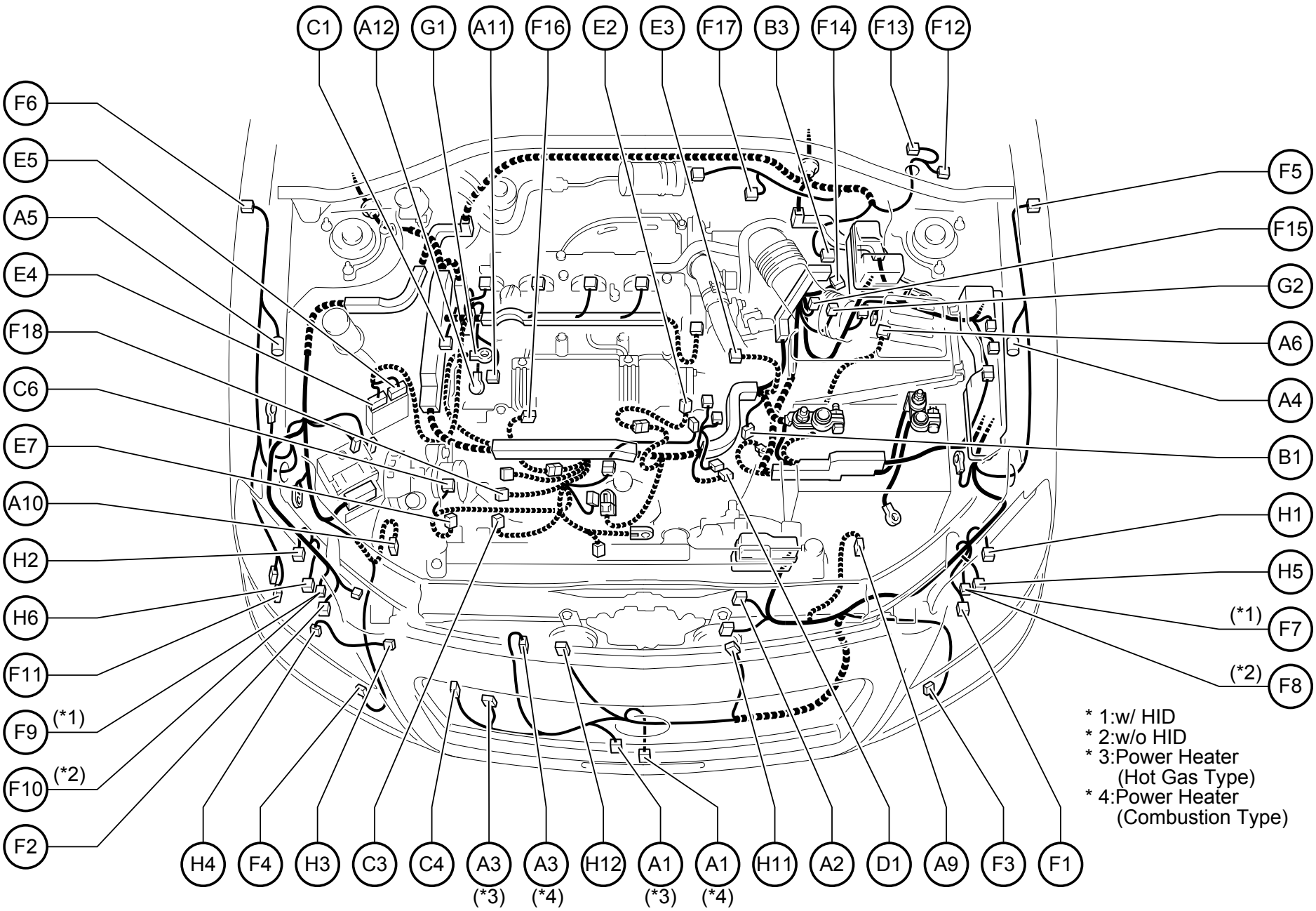


V 6
Brown




Engine Room
Main Wire
EE
Engine Wire
EA1
EB
ED
EA
EC
EF
Engine No.2 Wire


EA1
Gray
1
2
2
1


C1
A12
G1
A11
F16
E2
E3
F17
B3
F14
F13
F12
F6
E5
A5
E4
F18
C6
E7
A10
H2
H6
F11
F9 (*1)
F10 (*2)
F2
F5
F15
G2
A6
A4
B1
H1
H5
(*1) F7
(*2) F8
H4
F4
H3
C3
C4
A3 (*3)
A3 (*4)
H12
A1 (*3)
A1 (*4)
H11
A2
D1
A9
F3
F1
* 1:w/ HID
* 2:w/o HID
* 3:Power Heater (Hot Gas Type)
* 4:Power Heater (Combustion Type)

A 1 A/C Ambient Temp. Sensor
A 2 A/C Condenser Fan Motor
A 3 A/C Pressure Sensor
A 4 ABS Speed Sensor Front LH
A 5 ABS Speed Sensor Front RH
A 6 Air Flow Meter
A 9 Airbag Sensor Front LH
A 10 Airbag Sensor Front RH
A 11 Alternator
A 12 Alternator (1CD-FTV)
A 12 Alternator (Except 1CD-FTV)

B 1 Back-Up Light SW
B 3 Brake Fluid Level Warning SW

C 1 Camshaft Position Sensor
C 3 Compressor Assembly (2AD-FHV, 2AD-FTV)
C 3 Compressor Assembly (Except 2AD-FHV, 2AD-FTV)
C 4 Condenser Assembly
C 6 Crankshaft Position Sensor (2AD-FHV, 2AD-FTV)
C 6 Crankshaft Position Sensor (2AZ-FSE, 1AZ-FSE, 1AZ-FE, 1ZZ-FE, 3ZZ-FE)
C 6 Crankshaft Position Sensor (1CD-FTV)

E 2 EFI Water Temp. Sensor (2AD-FHV, 2AD-FTV)
E 2 EFI Water Temp. Sensor (1CD-FTV)
E 2 EFI Water Temp. Sensor (2AZ-FSE, 1AZ-FSE, 1ZZ-FE, 3ZZ-FE)
E 2 EFI Water Temp. Sensor (1AZ-FE)
E 3 EGR Valve Control Motor
E 4 Electronic Driver Unit
E 5 Electronic Driver Unit (1CD-FTV, 2AD-FTV)
E 5 Electronic Driver Unit (2AZ-FSE, 1AZ-FSE)
E 7 Engine Oil Level Sensor (2AZ-FSE)
E 7 Engine Oil Level Sensor (1CD-FTV, 2AD-FHV, 2AD-FTV)

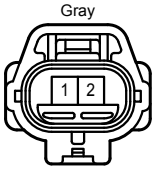
F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 3 Front Fog Light LH
F 4 Front Fog Light RH
F 5 Front Side Turn Signal Light LH
F 6 Front Side Turn Signal Light RH
F 7 Front Turn Signal Light LH , Headlight Control ECU LH
F 8 Front Turn Signal Light LH , Headlight LH (Low)
F 9 Front Turn Signal Light RH , Headlight Control ECU RH
F 10 Front Turn Signal Light RH , Headlight RH (Low)
F 11 Front Washer Motor
F 12 Front Window Deicer
F 13 Front Wiper Motor
F 14 Fuel Filter Warning SW
F 15 Fuel Heater
F 16 Fuel Pressure Sensor (1CD-FTV, 2AD-FHV)
F 16 Fuel Pressure Sensor (2AZ-FSE, 1AZ-FSE)
F 17 Fuel Pump
F 18 Fuel Temp. Sensor

G 1 Glow Plug
G 2 Glow Plug Relay

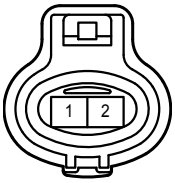
H 1 Headlight Beam Level Control Actuator LH
H 2 Headlight Beam Level Control Actuator RH

H 3 Headlight Cleaner Control Relay
H 4 Headlight Cleaner Motor
H 5 Headlight LH (High)
H 6 Headlight RH (High)
H 11 Horn LH
H 12 Horn RH

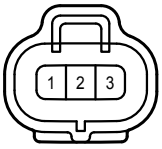
A 1
Gray



A 2
Black



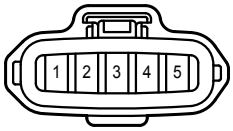
A 3
Black



A 4

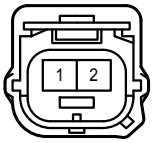
A 5

A 6
Black



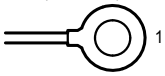
A 9
Yellow

A 10
Yellow

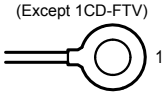


A 11
Black

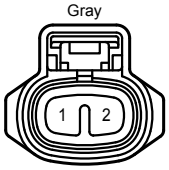
A 12
(1CD-FTV)



A 12
(Except 1CD-FTV)



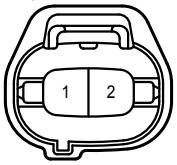
B 1
Gray



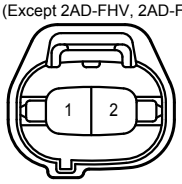
B 3
Black

C 1
Black

C 3
Black (2AD-FHV, 2AD-FTV)

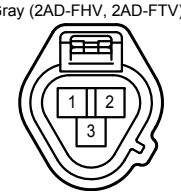


C 3
Gray (Except 2AD-FHV, 2AD-FTV)



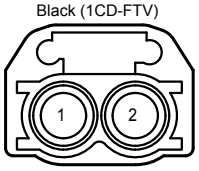
C 4

C 6
Gray (2AD-FHV, 2AD-FTV)



C 6
Gray (2AZ-FSE, 1AZ-FSE, 1AZ-FE, 1ZZ-FE, 3ZZ-FE)

C 6
Black (1CD-FTV)



E 2
Gray (2AD-FHV, 2AD-FTV)

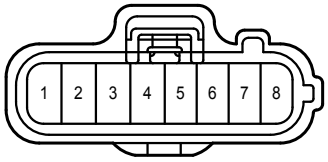
E 2
Gray (1CD-FTV)

E 2
Gray (2AZ-FSE, 1AZ-FSE, 1ZZ-FE, 3ZZ-FE)

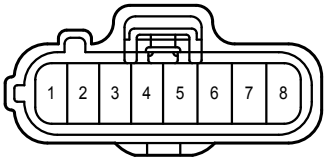
E 2
Gray (1AZ-FE)

E 3
Black

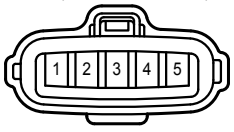
E 4
Black



E 5
Dark Gray (1CD-FTV, 2AD-FTV)



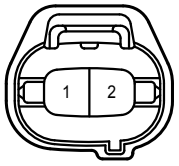
E 5
Black (2AZ-FSE, 1AZ-FSE)



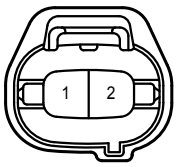
E 7
Gray (2AZ-FSE)

E 7
Gray (1CD-FTV, 2AD-FHV, 2AD-FTV)

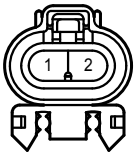
F 1
Black



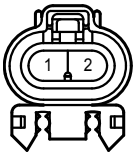
F 2
Black



F 3
Brown



F 4
Brown



F 5
Gray

F 6
Gray

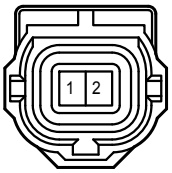
F 7

F 8

F 9

F 10

F 11
Black

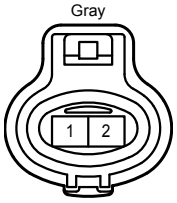


F 12
Black

F 13
Gray

F 14
Gray

F 15
Gray



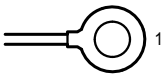
F 16
Black (1CD-FTV, 2AD-FHV)

F 16
Gray (2AZ-FSE, 1AZ-FSE)

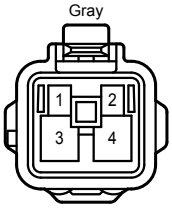
F 17
Black

F 18
Gray

G 1



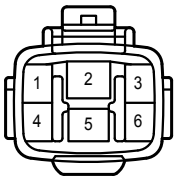
G 2
Gray



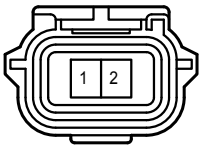
H 1
Gray

H 2
Gray

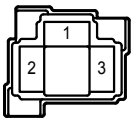
H 3
Black



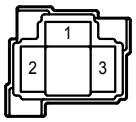
H 4
Black



H 5

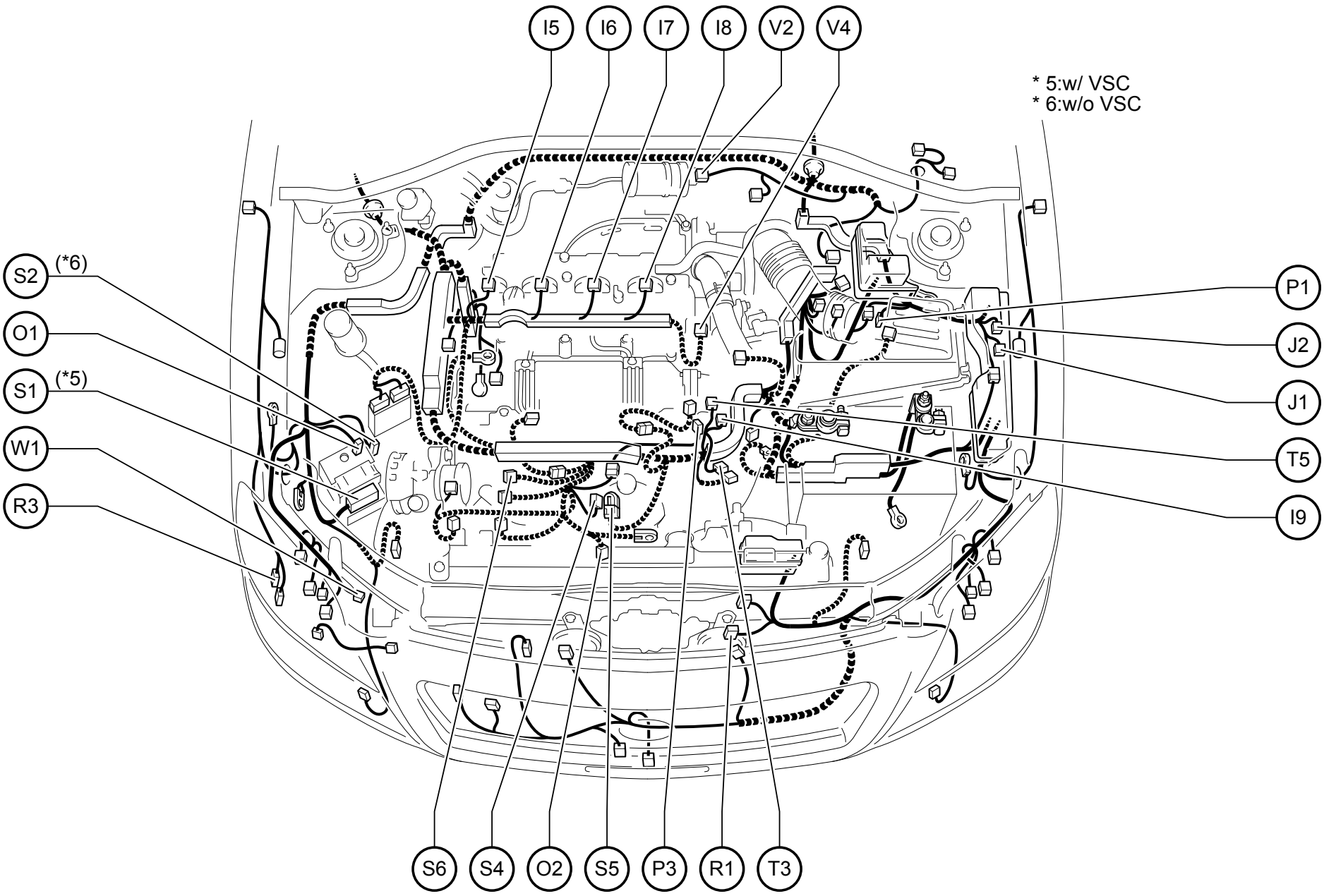


H 6



H 11
Black

H 12
Black


I5
I6
I7
I8
V2
V4
* 5:w/ VSC
* 6:w/o VSC
S2
(*6)
O1
S1
(*5)
W1
R3
P1
J2
J1
T5
I9
S6
S4
O2
S5
P3
R1
T3

I 5 Injector No.1 (2AD-FTV)
I 5 Injector No.1 (2AD-FHV)
I 5 Injector No.1 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 5 Injector No.1 (2AZ-FSE, 1AZ-FSE)
I 6 Injector No.2 (2AD-FTV)
I 6 Injector No.2 (2AD-FHV)
I 6 Injector No.2 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 6 Injector No.2 (2AZ-FSE, 1AZ-FSE)
I 7 Injector No.3 (2AD-FTV)
I 7 Injector No.3 (2AD-FHV)
I 7 Injector No.3 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 7 Injector No.3 (2AZ-FSE, 1AZ-FSE)
I 8 Injector No.4 (2AD-FTV)
I 8 Injector No.4 (2AD-FHV)
I 8 Injector No.4 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 8 Injector No.4 (2AZ-FSE, 1AZ-FSE)
I 9 Intake Air Temp. Sensor

J 1 Junction Connector
J 2 Junction Connector

O 1 Oil Pressure Sensor
O 2 Oil Pressure SW

P 1 Power Heater Assembly
P 3 Pressure Discharge Valve

R 1 Radiator Fan Motor
R 3 Rear Washer Motor

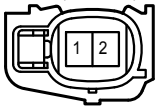
S 1 Skid Control ECU with Actuator
S 2 Skid Control ECU with Actuator
S 4 Starter
S 5 Starter (2AD-FHV, 2AD-FTV)
S 5 Starter (2AZ-FSE, 1AZ-FSE, 1AZ-FE)
S 5 Starter (1ZZ-FE, 3ZZ-FE)
S 5 Starter (1CD-FTV)
S 6 Suction Control Valve

T 5 Turbo Pressure Sensor

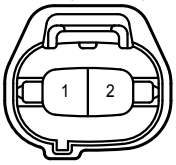
V 2 Vacuum SW
V 4 VRV (EGR) (2AD-FHV, 2AD-FTV)
V 4 VRV (EGR) (1CD-FTV)

W 1 Water Temp. SW (Radiator Fan)

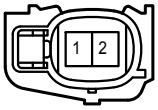
I 5
Black (2AD-FTV)



I 5
Black (2AD-FHV)

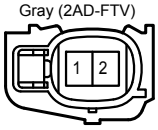


I 5
Black (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)

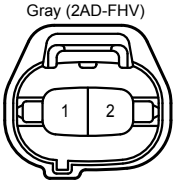


I 5
Black (2AZ-FSE, 1AZ-FSE)

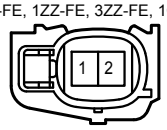
I 6
Gray (2AD-FTV)



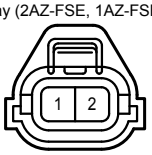
I 6
Gray (2AD-FHV)



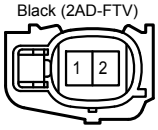
I 6
Gray (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)



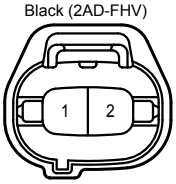
I 6
Gray (2AZ-FSE, 1AZ-FSE)



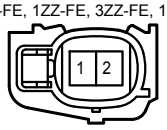
I 7
Black (2AD-FTV)



I 7
Black (2AD-FHV)

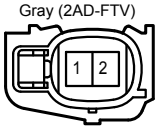


I 7
Black (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)



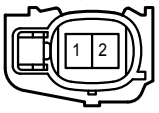
I 7
Black (2AZ-FSE, 1AZ-FSE)

I 8
Gray (2AD-FTV)

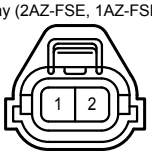


I 8
Gray (2AD-FHV)

I 8
Gray (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)

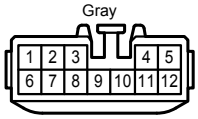


I 8
Gray (2AZ-FSE, 1AZ-FSE)

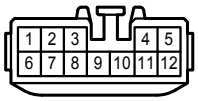


I 9
Gray

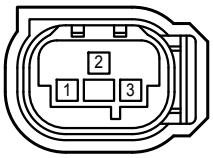
J 1
Gray



J 2
Black

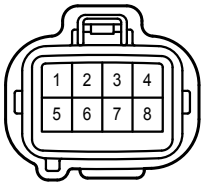


O 1
Black



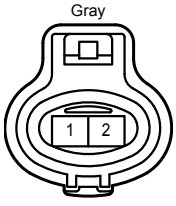
O 2
Gray

P 1
Black

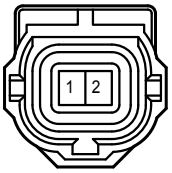


P 3
Gray

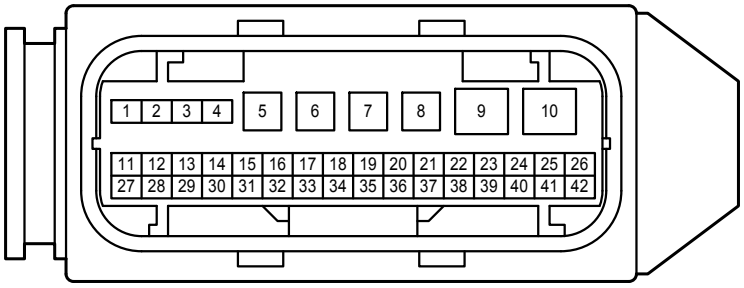
R 1
Gray



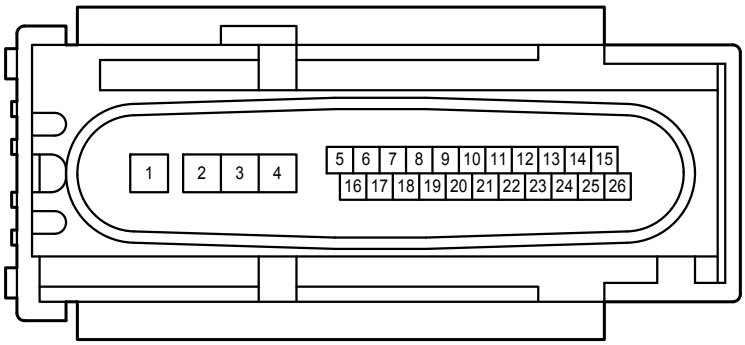
R 3
Red



S 1
Black

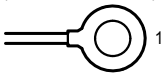


S 2
Black

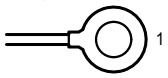


S 4
Black

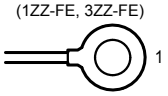
S 5
(2AD-FHV, 2AD-FTV)



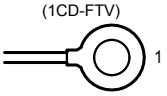
S 5
(2AZ-FSE, 1AZ-FSE, 1AZ-FE)



S 5
(1ZZ-FE, 3ZZ-FE)

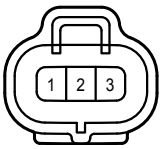


S 5
(1CD-FTV)



S 6
Gray

T 5
Black

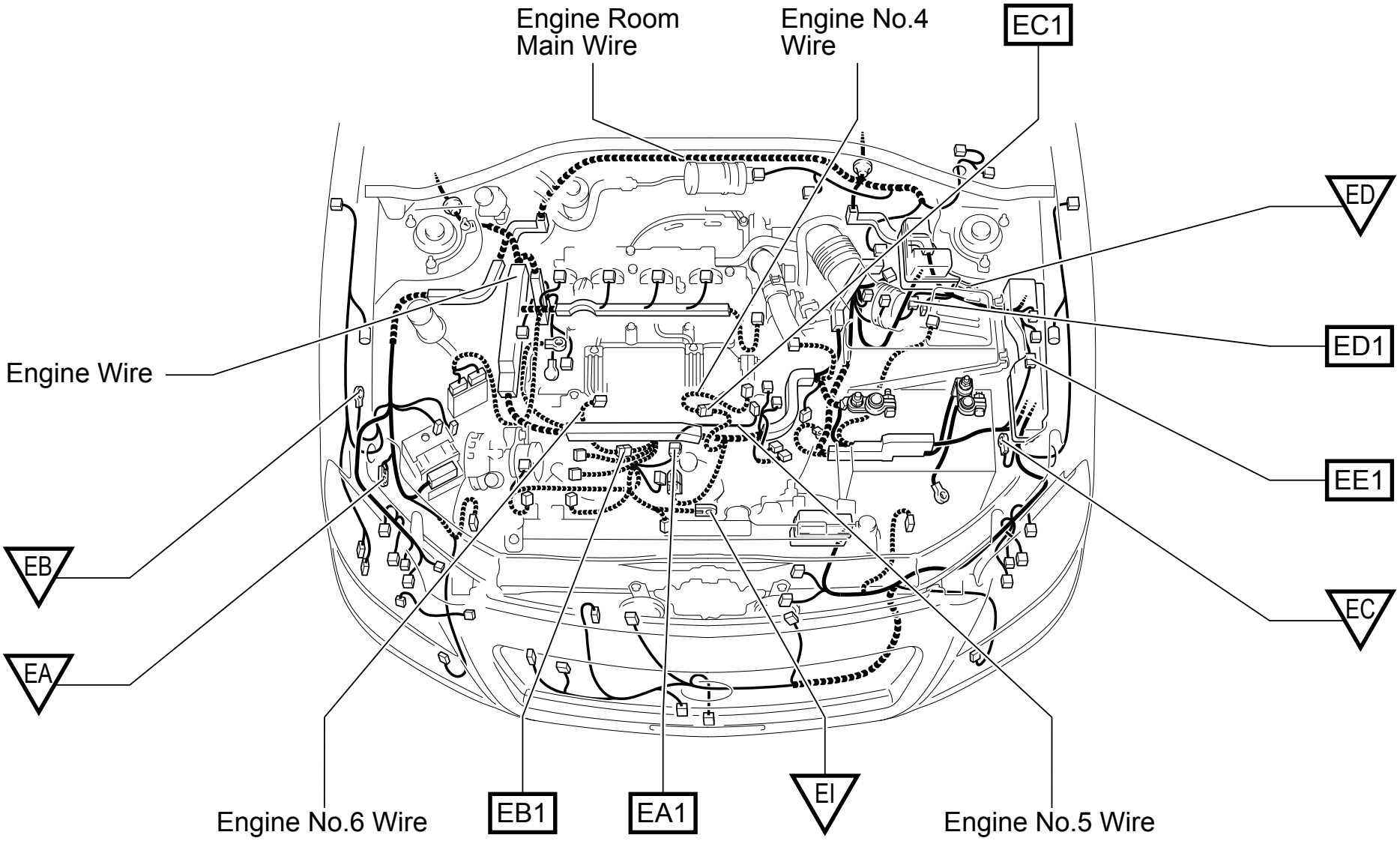


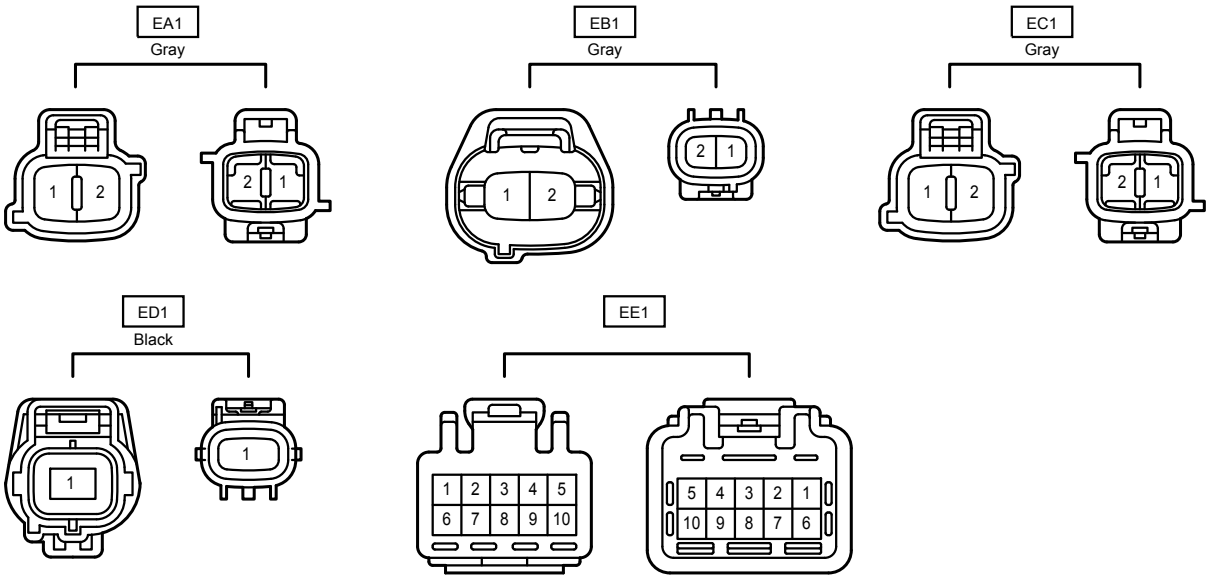
V 2
Black

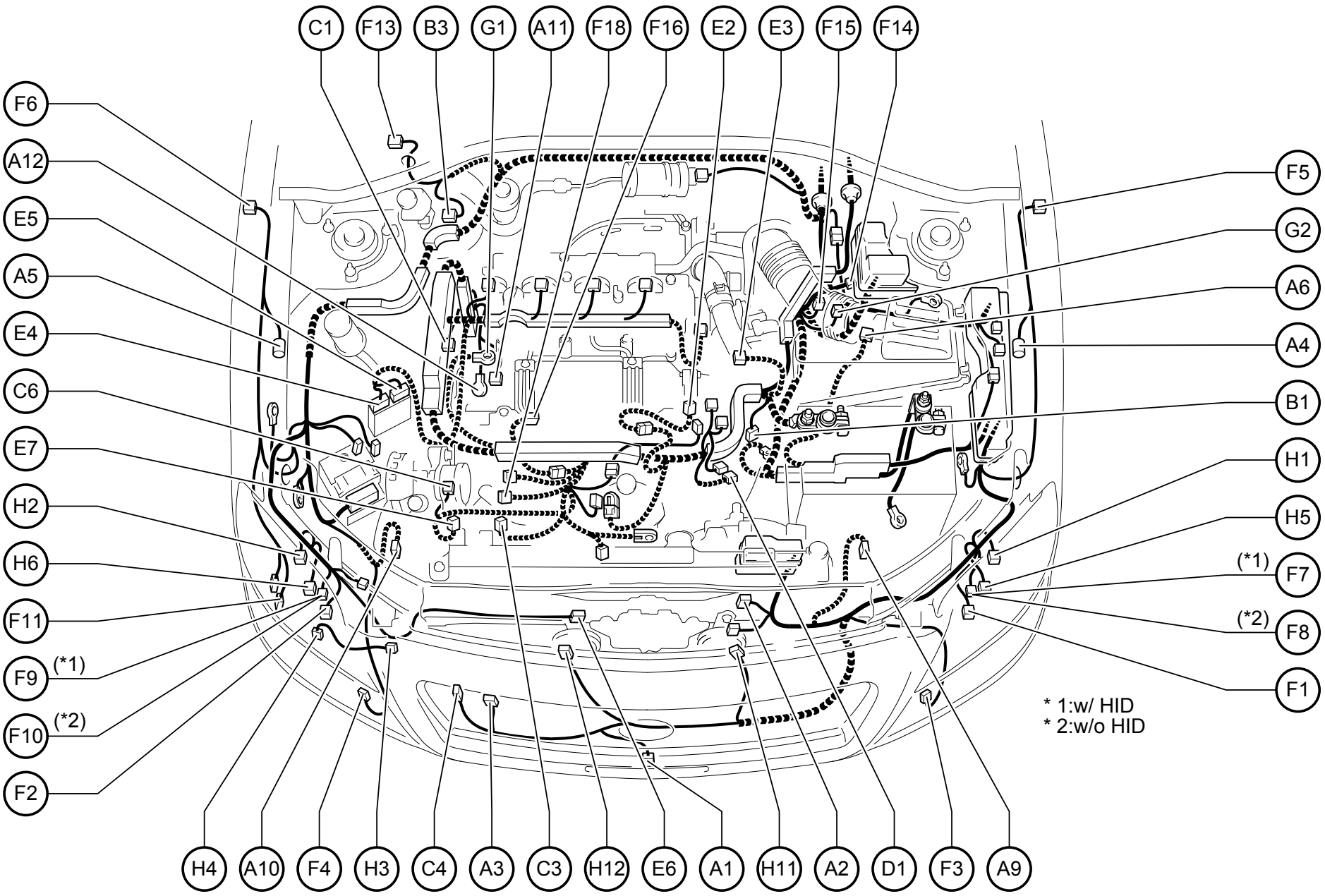
V 4
Black (2AD-FHV, 2AD-FTV)

V 4
Black (1CD-FTV)

W 1


Engine Room
Main Wire
Engine No.4
Wire
EC1
ED
ED1
Engine Wire
EE1
EB
EC
EA
Engine No.6 Wire
EB1
EA1
EI
Engine No.5 Wire


EA1
Gray
1
2
2
1
EB1
Gray
1
2
2
1
EC1
Gray
1
2
2
1
ED1
Black
1
1
EE1
1
2
3
4
5
6
7
8
9
10
5
4
3
2
1
10
9
8
7
6


C1
F13
B3
G1
A11
F18
F16
E2
E3
F15
F14
F6
A12
E5
A5
E4
C6
E7
H2
H6
F11
F9 (*1)
F10 (*2)
F2
F5
G2
A6
A4
B1
H1
H5
(*1) F7
(*2) F8
F1
H4
A10
F4
H3
C4
A3
C3
H12
E6
A1
H11
A2
D1
F3
A9
* 1:w/ HID
* 2:w/o HID

A 1 A/C Ambient Temp. Sensor
A 2 A/C Condenser Fan Motor
A 3 A/C Pressure Sensor
A 4 ABS Speed Sensor Front LH
A 5 ABS Speed Sensor Front RH
A 6 Air Flow Meter
A 9 Airbag Sensor Front LH
A 10 Airbag Sensor Front RH
A 11 Alternator
A 12 Alternator (1CD-FTV)
A 12 Alternator (Except 1CD-FTV)

B 1 Back-Up Light SW
B 3 Brake Fluid Level Warning SW

C 1 Camshaft Position Sensor
C 4 Condenser Assembly
C 6 Crankshaft Position Sensor (2AD-FHV, 2AD-FTV)
C 6 Crankshaft Position Sensor (2AZ-FSE, 1AZ-FSE, 1AZ-FE, 1ZZ-FE, 3ZZ-FE)
C 6 Crankshaft Position Sensor (1CD-FTV)

D 1 Diesel Throttle Control Motor

E 2 EFI Water Temp. Sensor (2AD-FHV, 2AD-FTV)
E 2 EFI Water Temp. Sensor (1CD-FTV)
E 2 EFI Water Temp. Sensor (2AZ-FSE, 1AZ-FSE, 1ZZ-FE, 3ZZ-FE)
E 2 EFI Water Temp. Sensor (1AZ-FE)
E 3 EGR Valve Control Motor
E 4 Electronic Driver Unit
E 5 Electronic Driver Unit (1CD-FTV, 2AD-FTV)
E 5 Electronic Driver Unit (2AZ-FSE, 1AZ-FSE)
E 6 Engine Hood Courtesy SW
E 7 Engine Oil Level Sensor (2AZ-FSE)
E 7 Engine Oil Level Sensor (1CD-FTV, 2AD-FHV, 2AD-FTV)

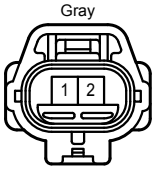
F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 3 Front Fog Light LH
F 4 Front Fog Light RH
F 5 Front Side Turn Signal Light LH
F 6 Front Side Turn Signal Light RH
F 7 Front Turn Signal Light LH , Headlight Control ECU LH
F 8 Front Turn Signal Light LH , Headlight LH (Low)
F 9 Front Turn Signal Light RH , Headlight Control ECU RH
F 10 Front Turn Signal Light RH , Headlight RH (Low)
F 11 Front Washer Motor
F 13 Front Wiper Motor
F 14 Fuel Filter Warning SW
F 15 Fuel Heater
F 16 Fuel Pressure Sensor (1CD-FTV, 2AD-FHV)
F 16 Fuel Pressure Sensor (2AZ-FSE, 1AZ-FSE)
F 18 Fuel Temp. Sensor

G 1 Glow Plug
G 2 Glow Plug Relay

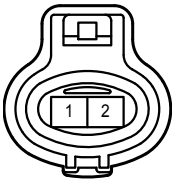
H 1 Headlight Beam Level Control Actuator LH
H 2 Headlight Beam Level Control Actuator RH
H 3 Headlight Cleaner Control Relay

H 4 Headlight Cleaner Motor
H 5 Headlight LH (High)
H 6 Headlight RH (High)
H 11 Horn LH
H 12 Horn RH

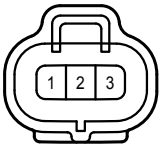
A 1
Gray



A 2
Black



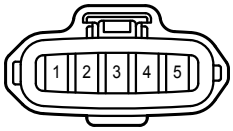
A 3
Black



A 4

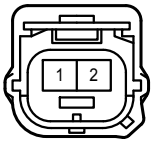
A 5

A 6
Black



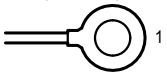
A 9
Yellow

A 10
Yellow

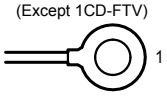


A 11
Black

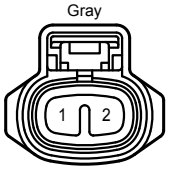
A 12
(1CD-FTV)



A 12
(Except 1CD-FTV)



B 1
Gray

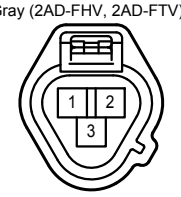


B 3
Black

C 1
Black

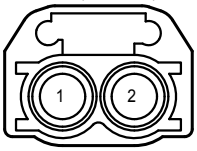
C 4

C 6
Gray (2AD-FHV, 2AD-FTV)



C 6
Gray (2AZ-FSE, 1AZ-FE, 1AZ-FE, 1ZZ-FE, 3ZZ-FE)

C 6
Black (1CD-FTV)



D 1
Black

E 2
Gray (2AD-FHV, 2AD-FTV)

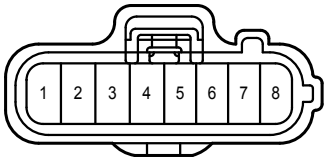
E 2
Gray (1CD-FTV)

E 2
Gray (2AZ-FSE, 1AZ-FSE, 1ZZ-FE, 3ZZ-FE)

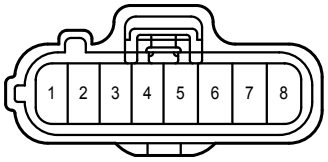
E 2
Gray (1AZ-FE)

E 3
Black

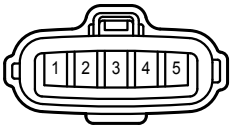
E 4
Black



E 5
Dark Gray (1CD-FTV, 2AD-FTV)



E 5
Black (2AZ-FSE, 1AZ-FSE)

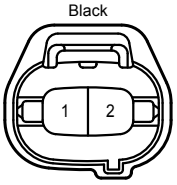


E 6
Black

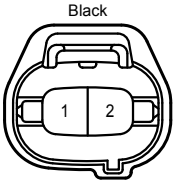
E 7
Gray (2AZ-FSE)

E 7
Gray (1CD-FTV, 2AD-FHV, 2AD-FTV)

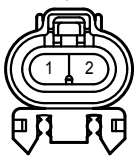
F 1
Black



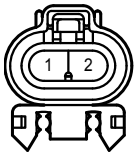
F 2
Black



F 3
Brown



F 4
Brown



F 5
Gray

F 6
Gray

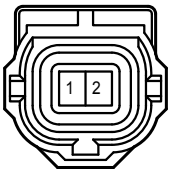
F 7

F 8

F 9

F 10

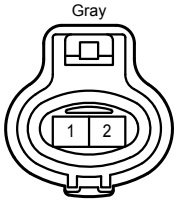
F 11
Black



F 13
Gray

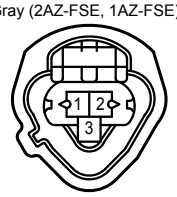
F 14
Gray

F 15
Gray



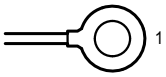
F 16
Black (1CD-FTV, 2AD-FHV)

F 16
Gray (2AZ-FSE, 1AZ-FSE)

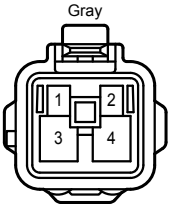


F 18
Gray

G 1



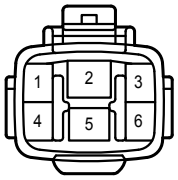
G 2
Gray



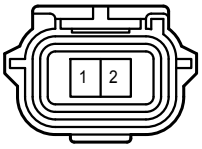
H 1
Gray

H 2
Gray

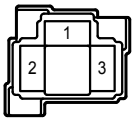
H 3
Black



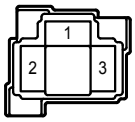
H 4
Black



H 5

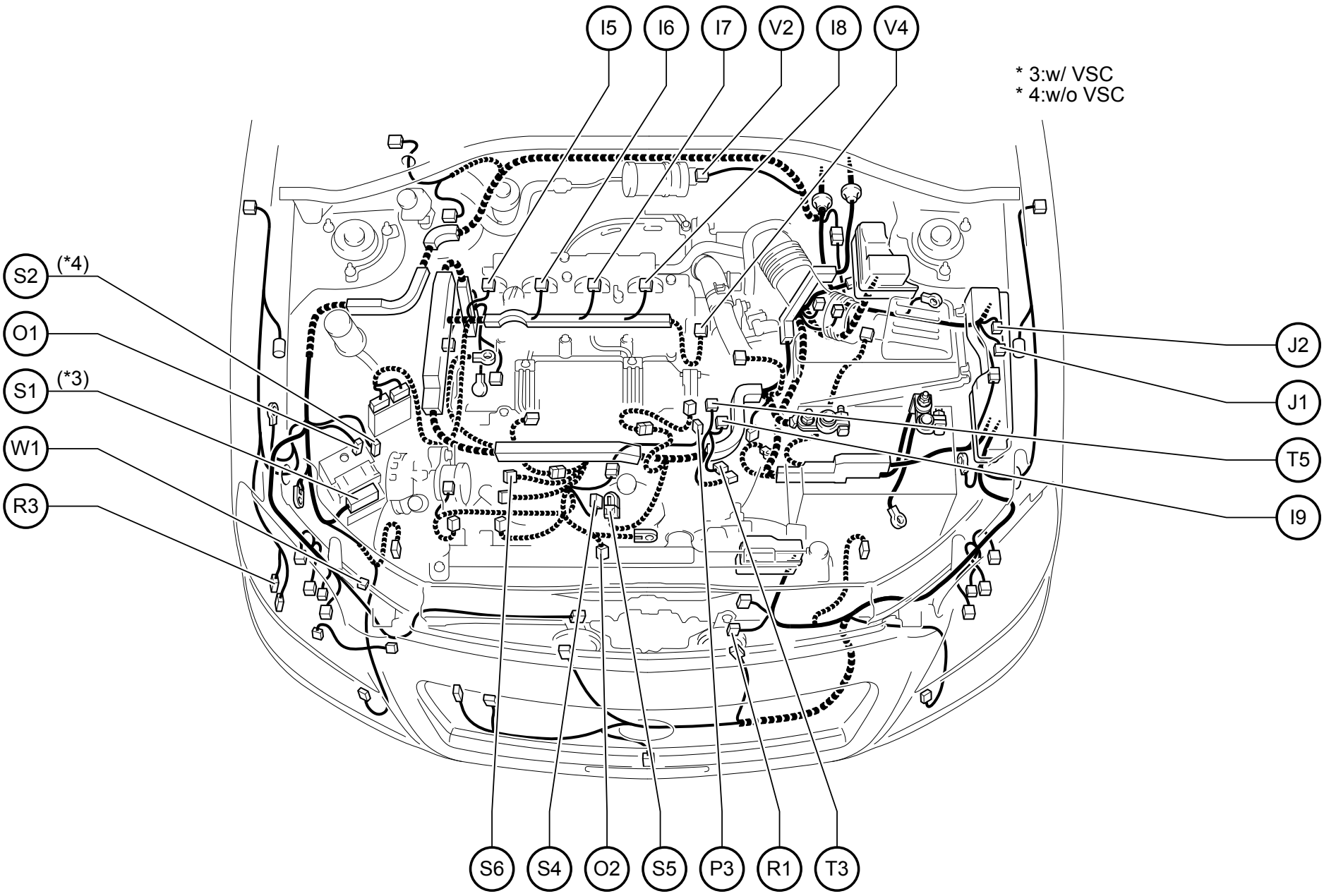


H 6



H 11
Black

H 12
Black


I5
I6
I7
V2
I8
V4
* 3:w/ VSC
* 4:w/o VSC
S2
(*4)
O1
S1
(*3)
W1
R3
J2
J1
T5
I9
S6
S4
O2
S5
P3
R1
T3

I 5 Injector No.1 (2AD-FTV)
I 5 Injector No.1 (2AD-FHV)
I 5 Injector No.1 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 5 Injector No.1 (2AZ-FSE, 1AZ-FSE)
I 6 Injector No.2 (2AD-FTV)
I 6 Injector No.2 (2AD-FHV)
I 6 Injector No.2 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 6 Injector No.2 (2AZ-FSE, 1AZ-FSE)
I 7 Injector No.3 (2AD-FTV)
I 7 Injector No.3 (2AD-FHV)
I 7 Injector No.3 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 7 Injector No.3 (2AZ-FSE, 1AZ-FSE)
I 8 Injector No.4 (2AD-FTV)
I 8 Injector No.4 (2AD-FHV)
I 8 Injector No.4 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 8 Injector No.4 (2AZ-FSE, 1AZ-FSE)
I 9 Intake Air Temp. Sensor

J 1 Junction Connector
J 2 Junction Connector

O 1 Oil Pressure Sensor
O 2 Oil Pressure SW

P 3 Pressure Discharge Valve

R 1 Radiator Fan Motor
R 3 Rear Washer Motor

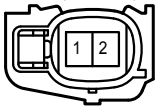
S 1 Skid Control ECU with Actuator
S 2 Skid Control ECU with Actuator
S 4 Starter
S 5 Starter (2AD-FHV, 2AD-FTV)
S 5 Starter (2AZ-FSE, 1AZ-FSE, 1AZ-FE)
S 5 Starter (1ZZ-FE, 3ZZ-FE)
S 5 Starter (1CD-FTV)
S 6 Suction Control Valve

T 3 Throttle Position SW
T 5 Turbo Pressure Sensor

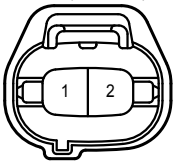
V 2 Vacuum SW
V 4 VRV (EGR) (2AD-FHV, 2AD-FTV)
V 4 VRV (EGR) (1CD-FTV)

W 1 Water Temp. SW (Radiator Fan)

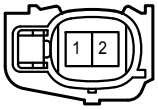
I 5
Black (2AD-FTV)



I 5
Black (2AD-FHV)

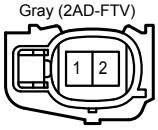


I 5
Black (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)

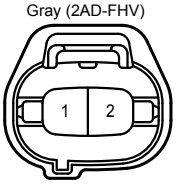


I 5
Black (2AZ-FSE, 1AZ-FSE)

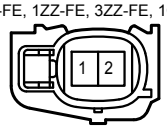
I 6
Gray (2AD-FTV)



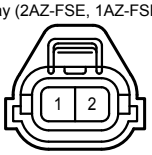
I 6
Gray (2AD-FHV)



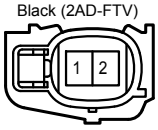
I 6
Gray (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)



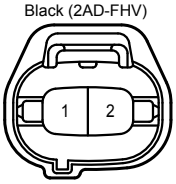
I 6
Gray (2AZ-FSE, 1AZ-FSE)



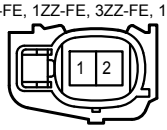
I 7
Black (2AD-FTV)



I 7
Black (2AD-FHV)

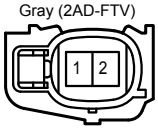


I 7
Black (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)



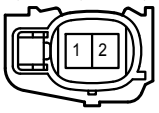
I 7
Black (2AZ-FSE, 1AZ-FSE)

I 8
Gray (2AD-FTV)

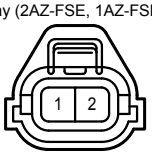


I 8
Gray (2AD-FHV)

I 8
Gray (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)

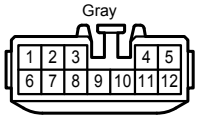


I 8
Gray (2AZ-FSE, 1AZ-FSE)

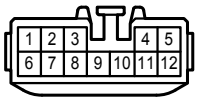


I 9
Gray

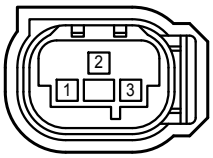
J 1
Gray



J 2
Black



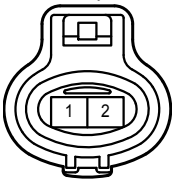
O 1
Black



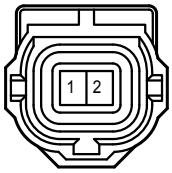
O 2
Gray

P 3
Gray

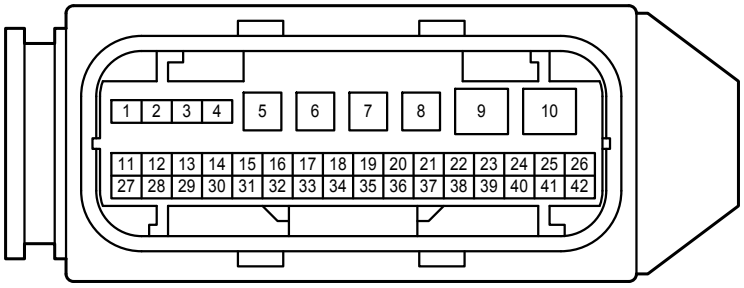
R 1
Gray



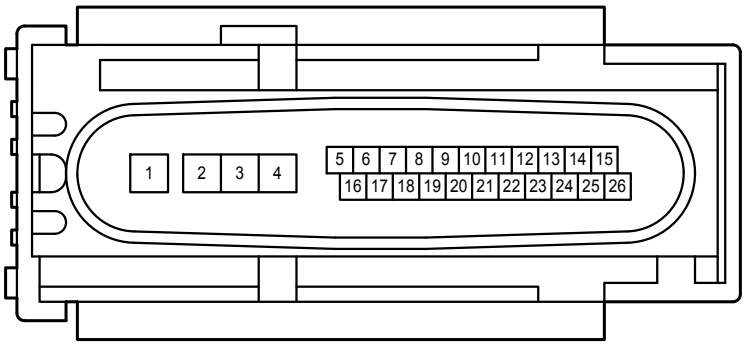
R 3
Red



S 1
Black

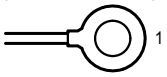


S 2
Black

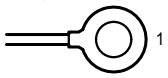


S 4
Black

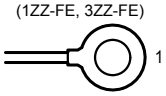
S 5
(2AD-FHV, 2AD-FTV)



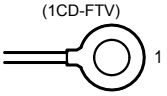
S 5
(2AZ-FSE, 1AZ-FSE, 1AZ-FE)



S 5
(1ZZ-FE, 3ZZ-FE)



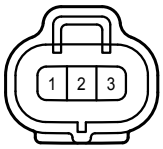
S 5
(1CD-FTV)



S 6
Gray

T 3
Gray

T 5
Black

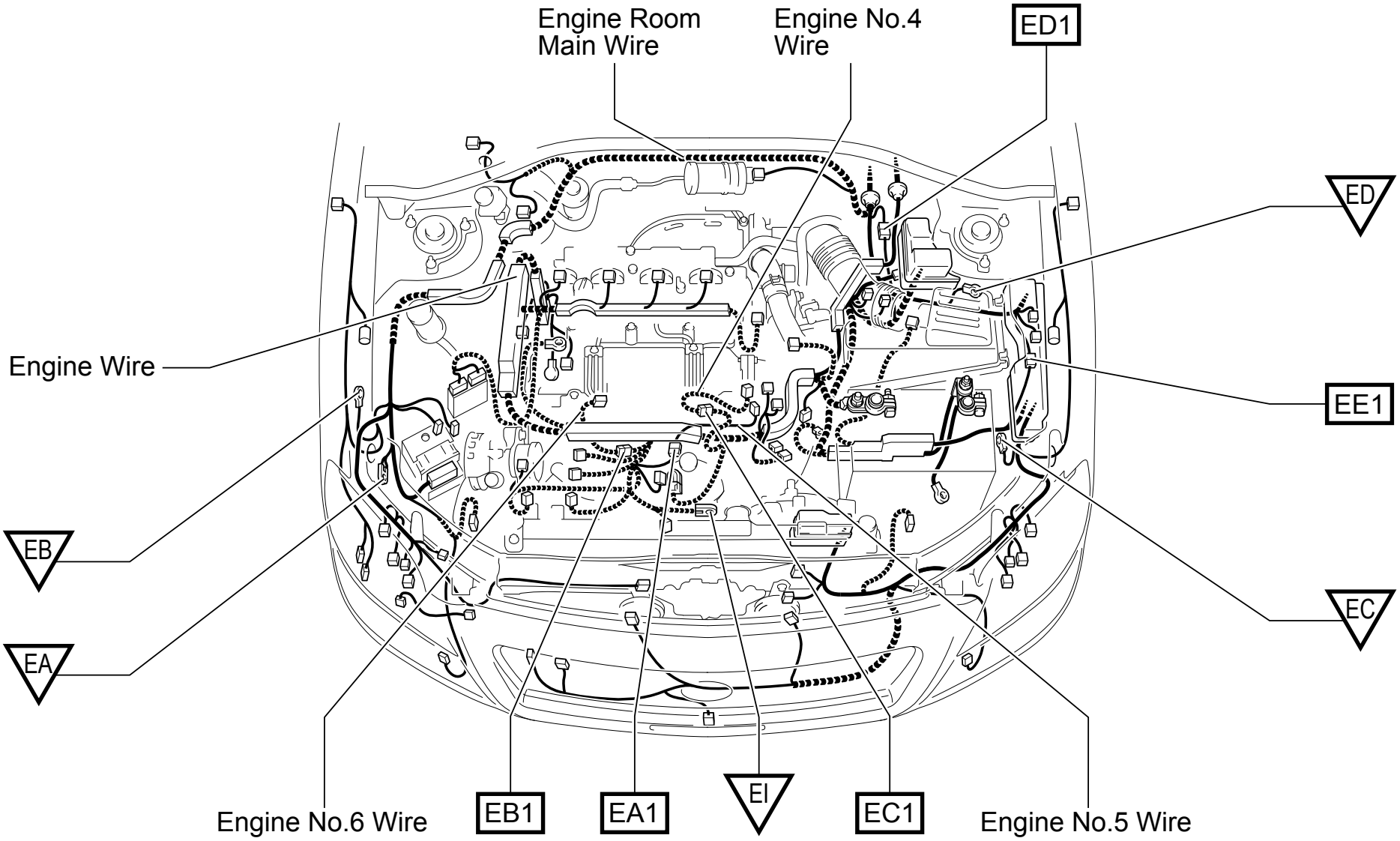


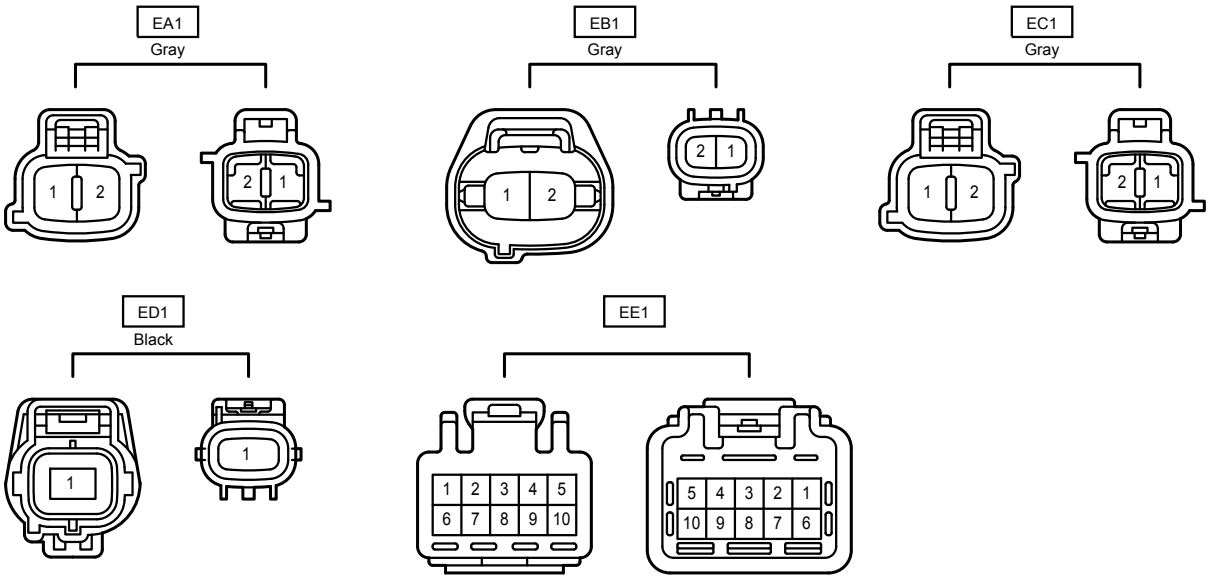
V 2
Black

V 4
Black (2AD-FHV, 2AD-FTV)

V 4
Black (1CD-FTV)

W 1


Engine Room Main Wire
Engine No.4 Wire
ED1
ED
Engine Wire
EE1
EB
EC
EA
Engine No.6 Wire
EB1
EA1
EI
EC1
Engine No.5 Wire


EA1
Gray
1
2
2
1
EB1
Gray
1
2
2
1
EC1
Gray
1
2
2
1
ED1
Black
1
1
EE1
1
2
3
4
5
6
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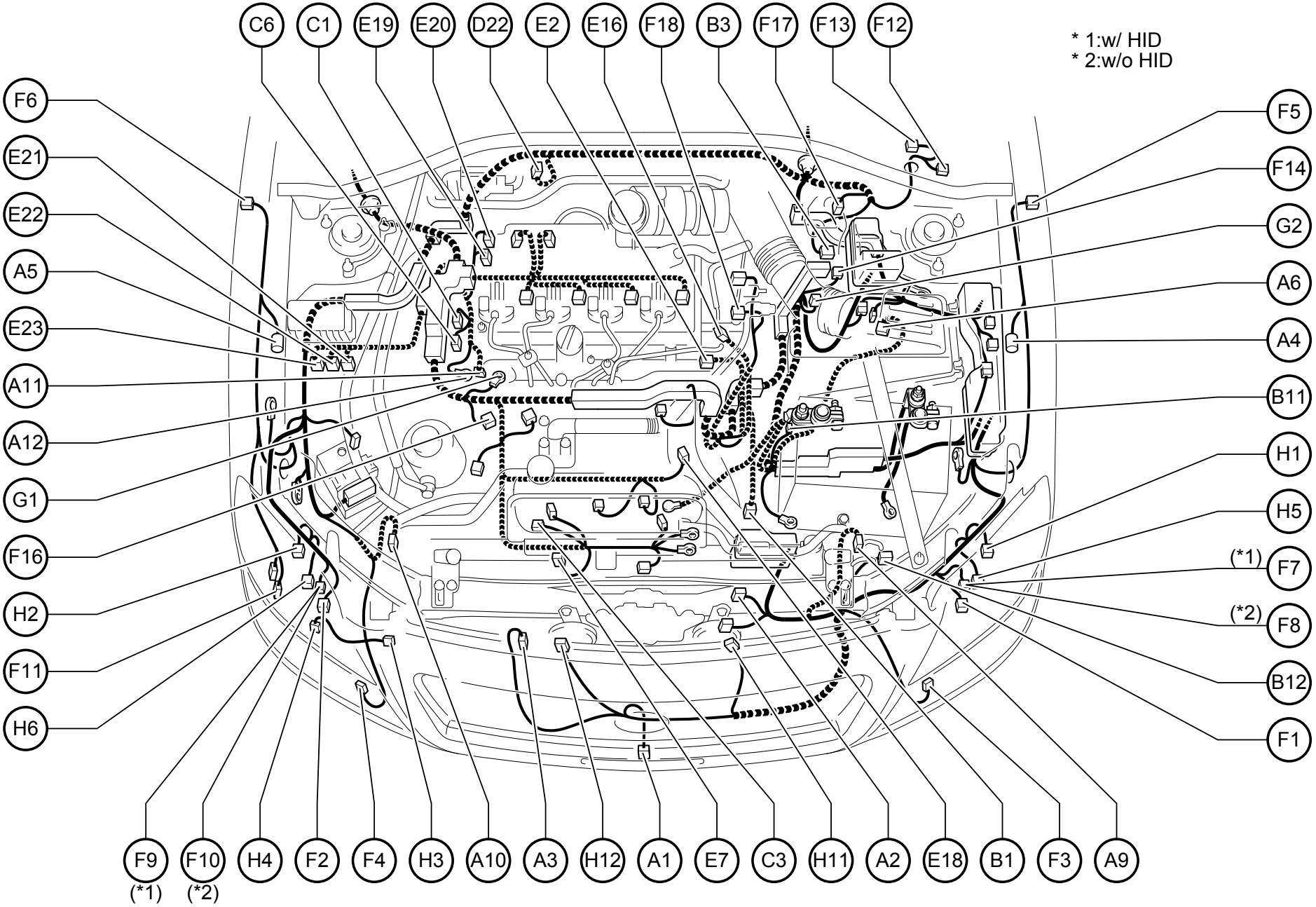
9
10
5
4
3
2
1
10
9
8
7
6


C6
C1
E19
E20
D22
E2
E16
F18
B3
F17
F13
F12
* 1:w/ HID
* 2:w/o HID
F6
E21
E22
A5
E23
A11
A12
G1
F16
H2
F11
H6
F5
F14
G2
A6
A4
B11
H1
H5
(*1)
F7
(*2)
F8
B12
F1
F9
(*1)
F10
(*2)
H4
F2
F4
H3
A10
A3
H12
A1
E7
C3
H11
A2
E18
B1
F3
A9

A 1 A/C Ambient Temp. Sensor
A 2 A/C Condenser Fan Motor
A 3 A/C Pressure Sensor
A 4 ABS Speed Sensor Front LH
A 5 ABS Speed Sensor Front RH
A 6 Air Flow Meter
A 9 Airbag Sensor Front LH
A 10 Airbag Sensor Front RH
A 11 Alternator
A 12 Alternator (1CD-FTV)
A 12 Alternator (Except 1CD-FTV)

B 1 Back-Up Light SW
B 3 Brake Fluid Level Warning SW
B 11 Battery Current Sensor
B 12 Battery Thermometer Sensor

C 1 Camshaft Position Sensor
C 3 Compressor Assembly (2AD-FHV, 2AD-FTV)
C 3 Compressor Assembly (Except 2AD-FHV, 2AD-FTV)
C 6 Crankshaft Position Sensor (2AD-FHV, 2AD-FTV)
C 6 Crankshaft Position Sensor (2AZ-FSE, 1AZ-FSE, 1AZ-FE, 1ZZ-FE, 3ZZ-FE)
C 6 Crankshaft Position Sensor (1CD-FTV)

D 22 Differential Pressure Sensor

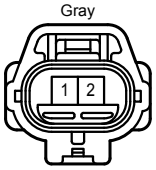
E 2 EFI Water Temp. Sensor (2AD-FHV, 2AD-FTV)
E 2 EFI Water Temp. Sensor (1CD-FTV)
E 2 EFI Water Temp. Sensor (2AZ-FSE, 1AZ-FSE, 1ZZ-FE, 3ZZ-FE)
E 2 EFI Water Temp. Sensor (1AZ-FE)
E 7 Engine Oil Level Sensor (2AZ-FSE)
E 7 Engine Oil Level Sensor (1CD-FTV, 2AD-FHV, 2AD-FTV)
E 16 Exhaust Fuel Addition Injector Assembly
E 18 EGR Valve Position Sensor
E 19 Exhaust Gas Temperature Sensor (Front)
E 20 Exhaust Gas Temperature Sensor (Rear)
E 21 Electronic Driver Unit (2AD-FHV)
E 22 Electronic Driver Unit (2AD-FHV)
E 23 Electronic Driver Unit (2AD-FHV)

F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 3 Front Fog Light LH
F 4 Front Fog Light RH
F 5 Front Side Turn Signal Light LH
F 6 Front Side Turn Signal Light RH
F 7 Front Turn Signal Light LH , Headlight Control ECU LH
F 8 Front Turn Signal Light LH , Headlight LH (Low)
F 9 Front Turn Signal Light RH , Headlight Control ECU RH
F 10 Front Turn Signal Light RH , Headlight RH (Low)
F 11 Front Washer Motor
F 12 Front Window Deicer
F 13 Front Wiper Motor
F 14 Fuel Filter Warning SW
F 16 Fuel Pressure Sensor (1CD-FTV, 2AD-FHV)
F 16 Fuel Pressure Sensor (2AZ-FSE, 1AZ-FSE)
F 17 Fuel Pump
F 18 Fuel Temp. Sensor

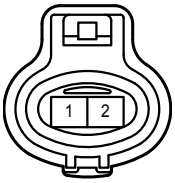
G 1 Glow Plug
G 2 Glow Plug Relay

H 1 Headlight Beam Level Control Actuator LH
H 2 Headlight Beam Level Control Actuator RH
H 3 Headlight Cleaner Control Relay
H 4 Headlight Cleaner Motor
H 5 Headlight LH (High)
H 6 Headlight RH (High)
H 11 Horn LH
H 12 Horn RH

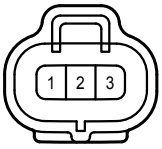
A 1
Gray



A 2
Black



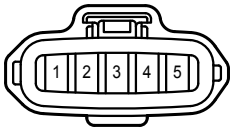
A 3
Black



A 4

A 5

A 6
Black

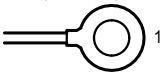


A 9
Yellow

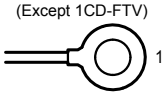
A 10
Yellow

A 11
Black

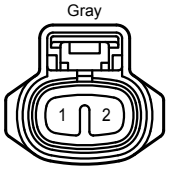
A 12
(1CD-FTV)



A 12
(Except 1CD-FTV)

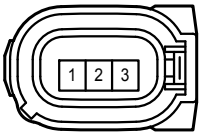


B 1
Gray

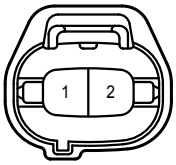


B 3
Black

B 11
Black

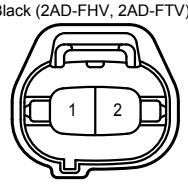


B 12
Black

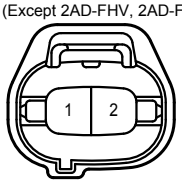


C 1
Black

C 3
Black (2AD-FHV, 2AD-FTV)



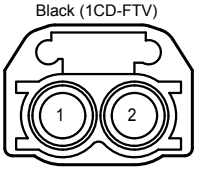
C 3
Gray (Except 2AD-FHV, 2AD-FTV)



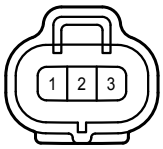
C 6
Gray (2AD-FHV, 2AD-FTV)

C 6
Gray (2AZ-FSE, 1AZ-FSE, 1AZ-FE, 1ZZ-FE, 3ZZ-FE)

C 6
Black (1CD-FTV)



D 22
Black



E 2
Gray (2AD-FHV, 2AD-FTV)

E 2
Gray (1CD-FTV)

E 2
Gray (2AZ-FSE, 1AZ-FSE, 1ZZ-FE, 3ZZ-FE)

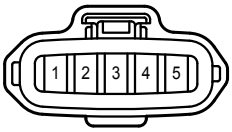
E 2
Gray (1AZ-FE)

E 7
Gray (2AZ-FSE)

E 7
Gray (1CD-FTV, 2AD-FHV, 2AD-FTV)

E 16
Black

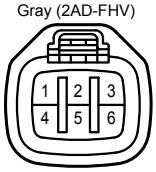
E 18
Black



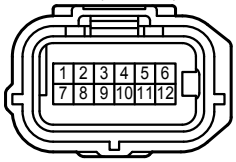
E 19
Gray

E 20
Dark Gray

E 21
Gray (2AD-FHV)

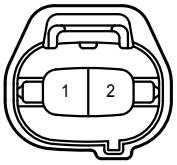


E 22
Black (2AD-FHV)

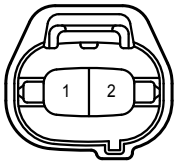


E 23
Black (2AD-FHV)

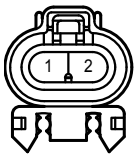
F 1
Black



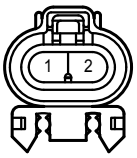
F 2
Black



F 3
Brown



F 4
Brown



F 5
Gray

F 6
Gray

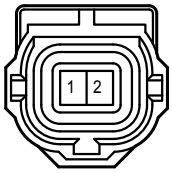
F 7

F 8

F 9

F 10

F 11
Black



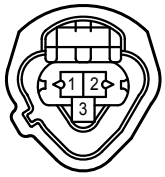
F 12
Black

F 13
Gray

F 14
Gray

F 16
Black (1CD-FTV, 2AD-FHV)

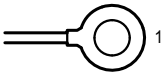
F 16
Gray (2AZ-FSE, 1AZ-FSE)



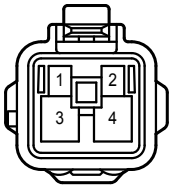
F 17
Black

F 18
Gray

G 1



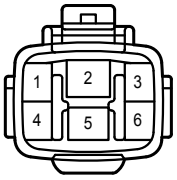
G 2
Gray



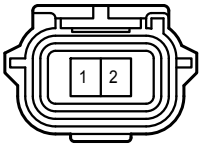
H 1
Gray

H 2
Gray

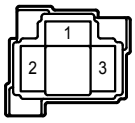
H 3
Black



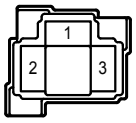
H 4
Black



H 5

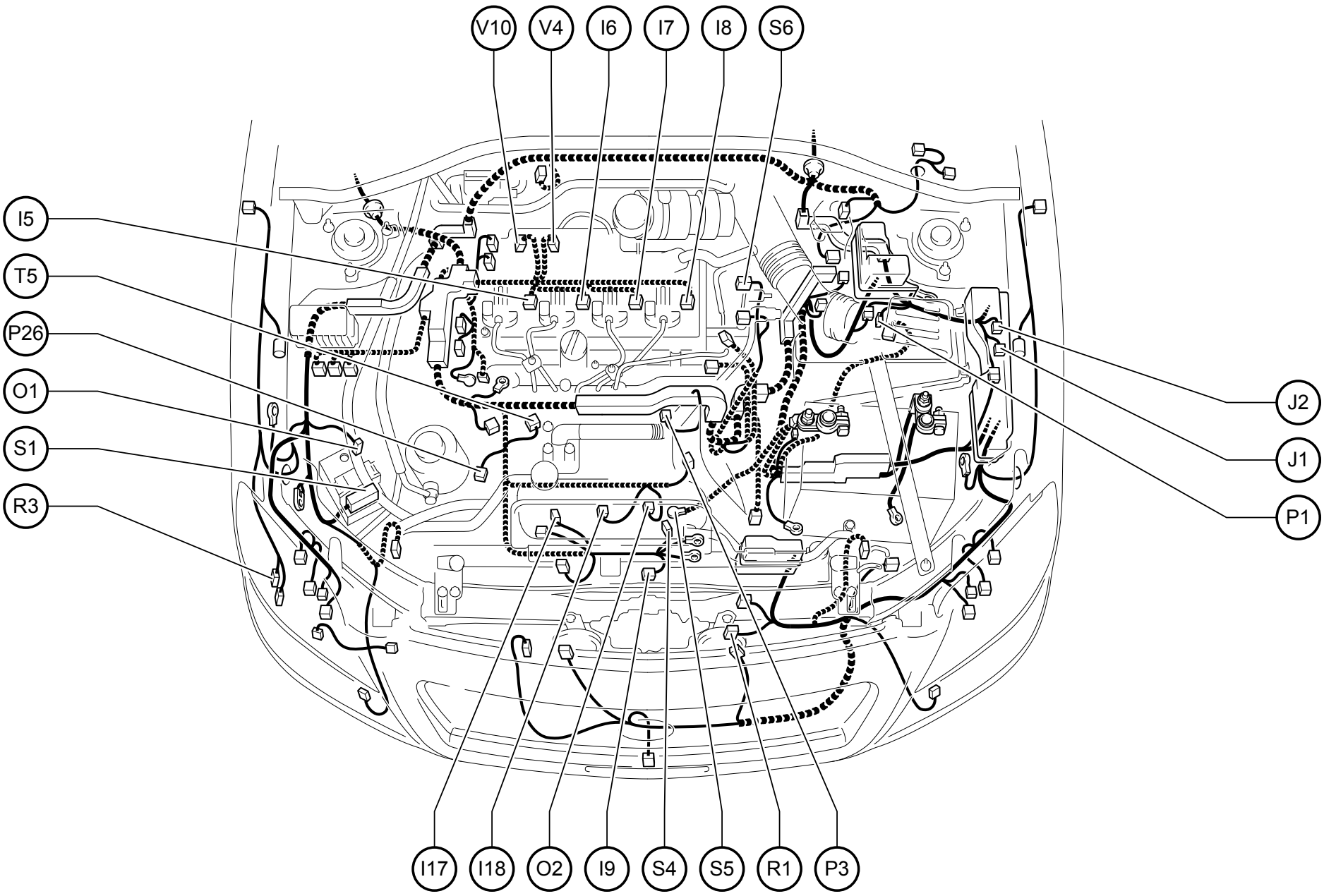


H 6



H 11
Black

H 12
Black


V10
V4
I6
I7
I8
S6
I5
T5
P26
O1
S1
R3
J2
J1
P1
I17
I18
O2
I9
S4
S5
R1
P3

I 5 Injector No.1 (2AD-FTV)
I 5 Injector No.1 (2AD-FHV)
I 5 Injector No.1 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 5 Injector No.1 (2AZ-FSE, 1AZ-FSE)
I 6 Injector No.2 (2AD-FTV)
I 6 Injector No.2 (2AD-FHV)
I 6 Injector No.2 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 6 Injector No.2 (2AZ-FSE, 1AZ-FSE)
I 7 Injector No.3 (2AD-FTV)
I 7 Injector No.3 (2AD-FHV)
I 7 Injector No.3 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 7 Injector No.3 (2AZ-FSE, 1AZ-FSE)
I 8 Injector No.4 (2AD-FTV)
I 8 Injector No.4 (2AD-FHV)
I 8 Injector No.4 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 8 Injector No.4 (2AZ-FSE, 1AZ-FSE)
I 9 Intake Air Temp. Sensor
I 17 Intake Shutter Assembly
I 18 Intake Shutter Assembly

J 1 Junction Connector
J 2 Junction Connector

O 1 Oil Pressure Sensor
O 2 Oil Pressure SW

P 1 Power Heater Assembly
P 3 Pressure Discharge Valve
P 26 Power Steering Oil Pressure Sensor

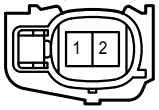
R 1 Radiator Fan Motor
R 3 Rear Washer Motor

S 1 Skid Control ECU with Actuator
S 4 Starter
S 5 Starter (2AD-FHV, 2AD-FTV)
S 5 Starter (2AZ-FSE, 1AZ-FSE, 1AZ-FE)
S 5 Starter (1ZZ-FE, 3ZZ-FE)
S 5 Starter (1CD-FTV)
S 6 Suction Control Valve

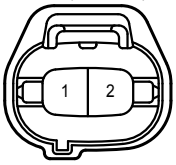
T 5 Turbo Pressure Sensor

V 4 VRV (EGR) (2AD-FHV, 2AD-FTV)
V 4 VRV (EGR) (1CD-FTV)
V 10 VSV (EGR)

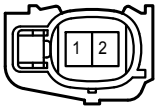
I 5
Black (2AD-FTV)



I 5
Black (2AD-FHV)

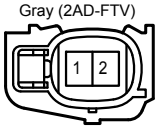


I 5
Black (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)

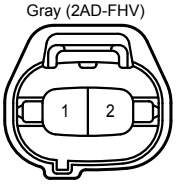


I 5
Black (2AZ-FSE, 1AZ-FSE)

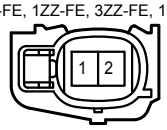
I 6
Gray (2AD-FTV)



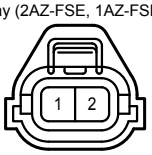
I 6
Gray (2AD-FHV)



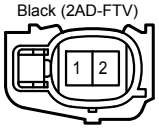
I 6
Gray (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)



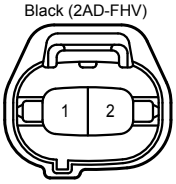
I 6
Gray (2AZ-FSE, 1AZ-FSE)



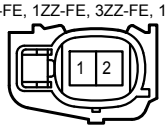
I 7
Black (2AD-FTV)



I 7
Black (2AD-FHV)

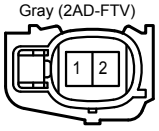


I 7
Black (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)



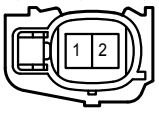
I 7
Black (2AZ-FSE, 1AZ-FSE)

I 8
Gray (2AD-FTV)

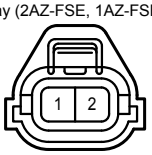


I 8
Gray (2AD-FHV)

I 8
Gray (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)



I 8
Gray (2AZ-FSE, 1AZ-FSE)

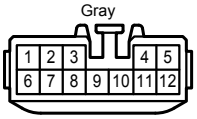


I 9
Gray

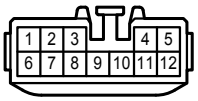
I 17
Black

I 18
Black

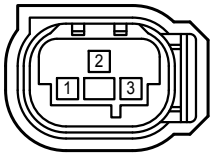
J 1
Gray



J 2
Black

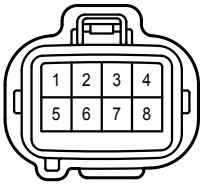


O 1
Black



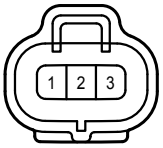
O 2
Gray

P 1
Black

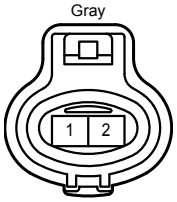


P 3
Gray

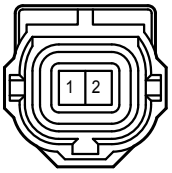
P 26
Black



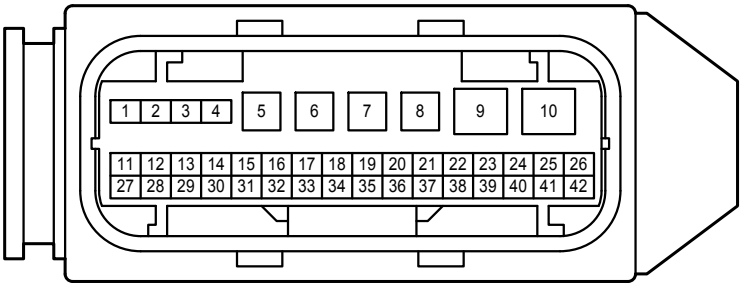
R 1
Gray



R 3
Red

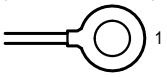


S 1
Black

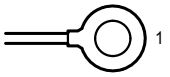


S 4
Black

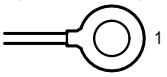
S 5
(2AD-FHV, 2AD-FTV)



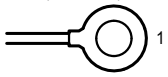
S 5
(2AZ-FSE, 1AZ-FSE, 1AZ-FE)



S 5
(1ZZ-FE, 3ZZ-FE)



S 5
(1CD-FTV)



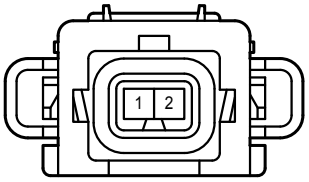
S 6
Gray

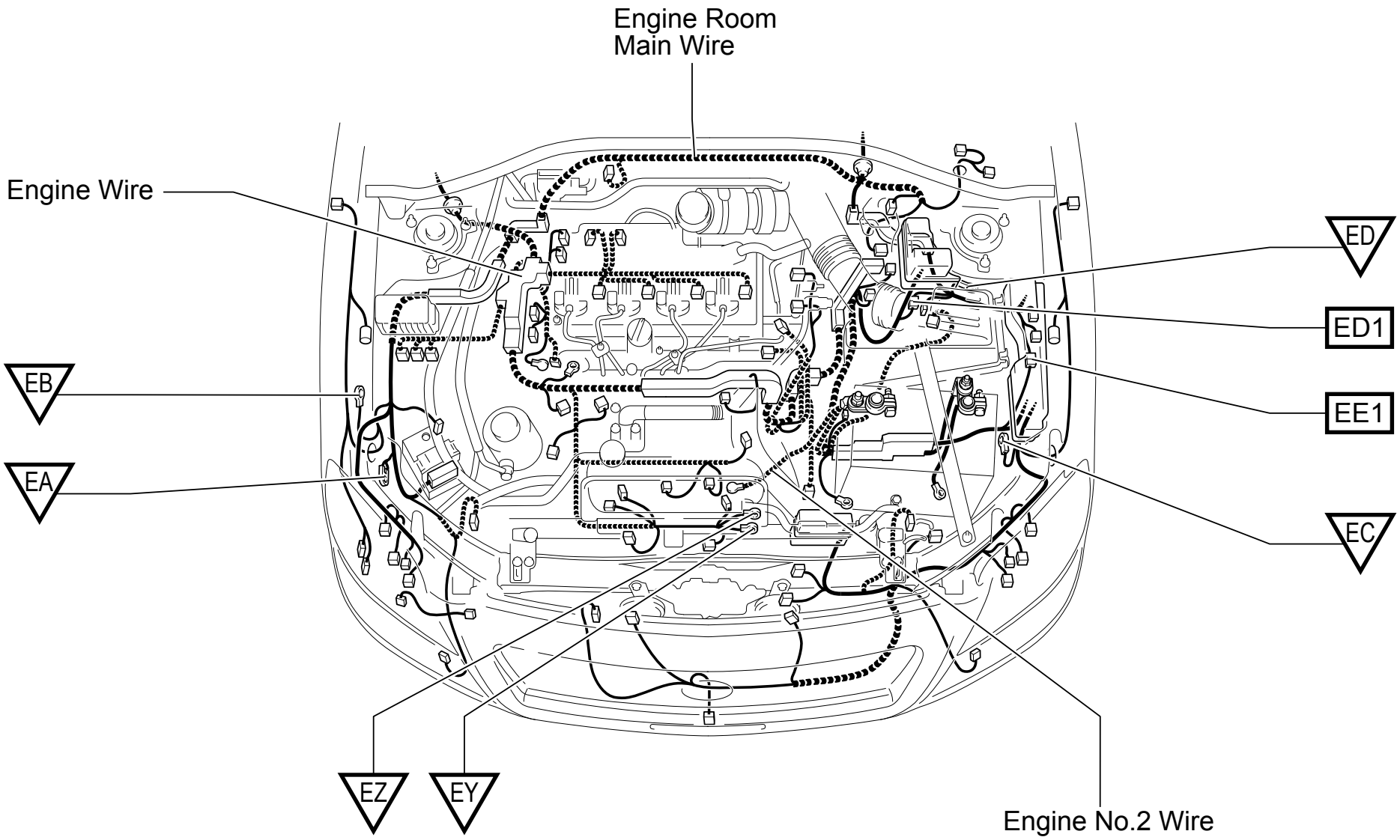
T 5
Black

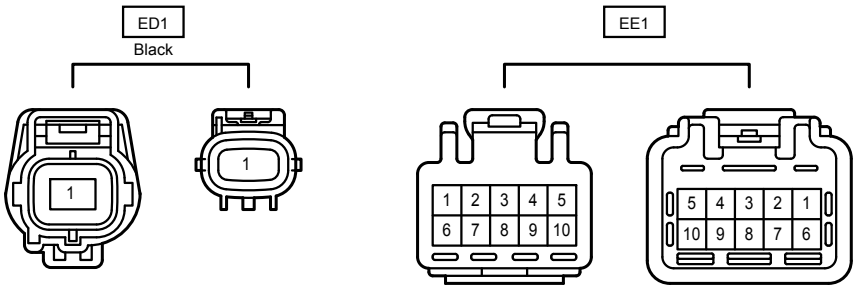
V 4
Black (2AD-FHV, 2AD-FTV)

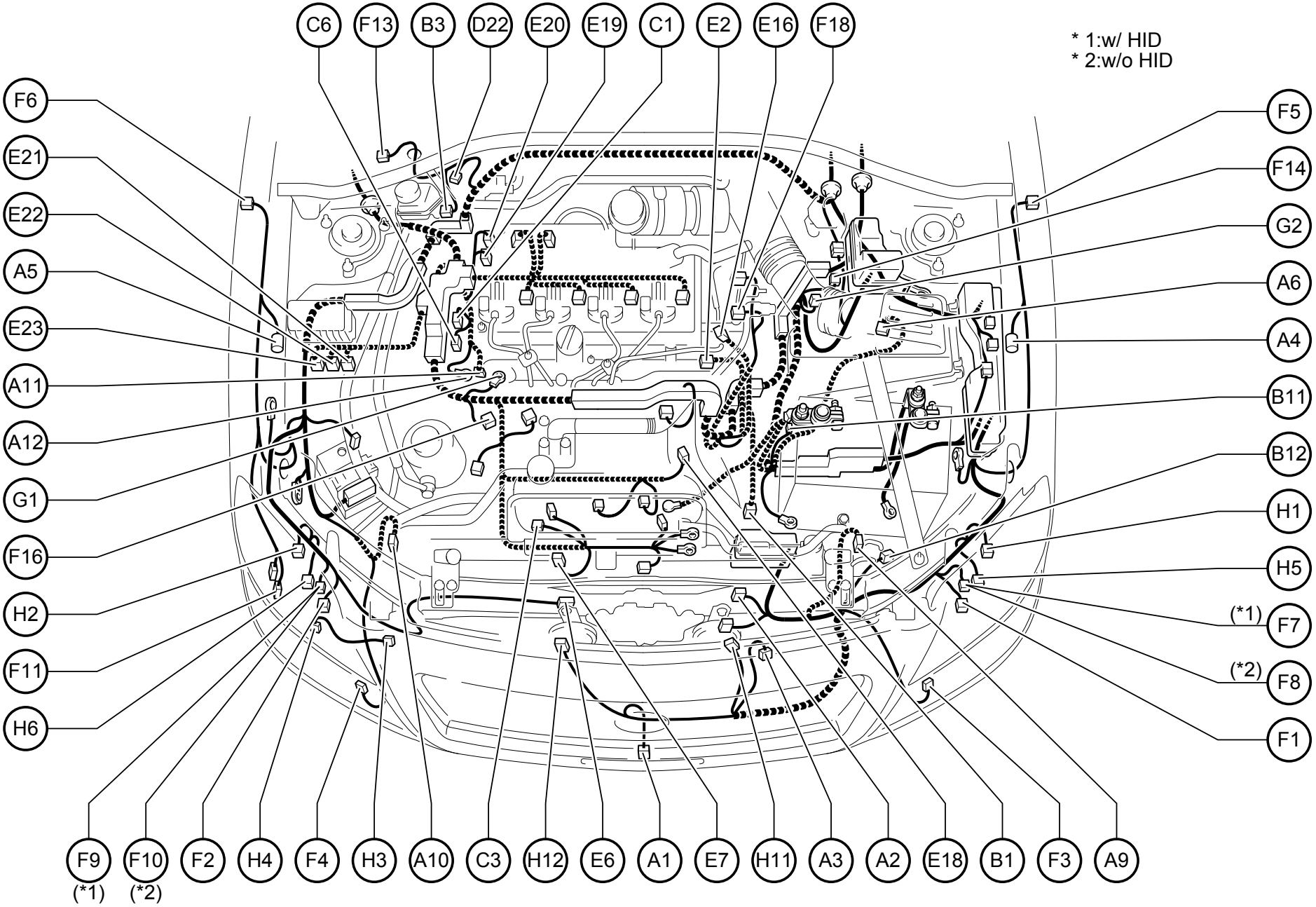
V 4
Black (1CD-FTV)

V 10
Black




Engine Room
Main Wire
Engine Wire
ED
ED1
EE1
EB
EA
EC
EZ
EY
Engine No.2 Wire


ED1
Black
1
1
EE1
1 2 3 4 5
6 7 8 9 10
5 4 3 2 1
10 9 8 7 6


C6
F13
B3
D22
E20
E19
C1
E2
E16
F18
* 1:w/ HID
* 2:w/o HID
F6
E21
E22
A5
E23
A11
A12
G1
F16
H2
F11
H6
F5
F14
G2
A6
A4
B11
B12
H1
H5
(*1)
F7
(*2)
F8
F1
F9
(*1)
F10
(*2)
F2
H4
F4
H3
A10
C3
H12
E6
A1
E7
H11
A3
A2
E18
B1
F3
A9

A 1 A/C Ambient Temp. Sensor
A 2 A/C Condenser Fan Motor
A 3 A/C Pressure Sensor
A 4 ABS Speed Sensor Front LH
A 5 ABS Speed Sensor Front RH
A 6 Air Flow Meter
A 9 Airbag Sensor Front LH
A 10 Airbag Sensor Front RH
A 11 Alternator
A 12 Alternator (1CD-FTV)
A 12 Alternator (Except 1CD-FTV)

B 1 Back-Up Light SW
B 3 Brake Fluid Level Warning SW
B 11 Battery Current Sensor
B 12 Battery Thermometer Sensor

C 1 Camshaft Position Sensor
C 3 Compressor Assembly (2AD-FHV, 2AD-FTV)
C 3 Compressor Assembly (Except 2AD-FHV, 2AD-FTV)
C 6 Crankshaft Position Sensor (2AD-FHV, 2AD-FTV)
C 6 Crankshaft Position Sensor (2AZ-FSE, 1AZ-FSE, 1AZ-FE, 1ZZ-FE, 3ZZ-FE)
C 6 Crankshaft Position Sensor (1CD-FTV)

D 22 Differential Pressure Sensor

E 2 EFI Water Temp. Sensor (2AD-FHV, 2AD-FTV)
E 2 EFI Water Temp. Sensor (1CD-FTV)
E 2 EFI Water Temp. Sensor (2AZ-FSE, 1AZ-FSE, 1ZZ-FE, 3ZZ-FE)
E 2 EFI Water Temp. Sensor (1AZ-FE)
E 6 Engine Hood Courtesy SW
E 7 Engine Oil Level Sensor (2AZ-FSE)
E 7 Engine Oil Level Sensor (1CD-FTV, 2AD-FHV, 2AD-FTV)
E 16 Exhaust Fuel Addition Injector Assembly
E 18 EGR Valve Position Sensor
E 19 Exhaust Gas Temperature Sensor (Front)
E 20 Exhaust Gas Temperature Sensor (Rear)
E 21 Electronic Driver Unit (2AD-FHV)
E 22 Electronic Driver Unit (2AD-FHV)
E 23 Electronic Driver Unit (2AD-FHV)

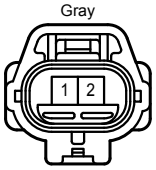
F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 3 Front Fog Light LH
F 4 Front Fog Light RH
F 5 Front Side Turn Signal Light LH
F 6 Front Side Turn Signal Light RH
F 7 Front Turn Signal Light LH , Headlight Control ECU LH
F 8 Front Turn Signal Light LH , Headlight LH (Low)
F 9 Front Turn Signal Light RH , Headlight Control ECU RH
F 10 Front Turn Signal Light RH , Headlight RH (Low)
F 11 Front Washer Motor
F 13 Front Wiper Motor
F 14 Fuel Filter Warning SW
F 16 Fuel Pressure Sensor (1CD-FTV, 2AD-FHV)
F 16 Fuel Pressure Sensor (2AZ-FSE, 1AZ-FSE)
F 18 Fuel Temp. Sensor

G 1 Glow Plug

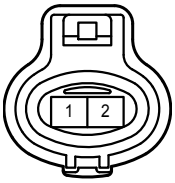
G 2 Glow Plug Relay

H 1 Headlight Beam Level Control Actuator LH
H 2 Headlight Beam Level Control Actuator RH
H 3 Headlight Cleaner Control Relay
H 4 Headlight Cleaner Motor
H 5 Headlight LH (High)
H 6 Headlight RH (High)
H 11 Horn LH
H 12 Horn RH

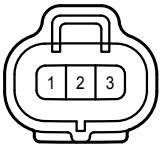
A 1
Gray



A 2
Black



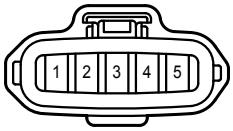
A 3
Black



A 4

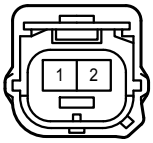
A 5

A 6
Black



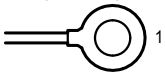
A 9
Yellow

A 10
Yellow

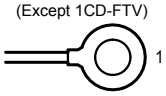


A 11
Black

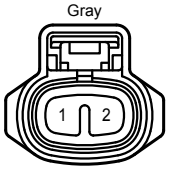
A 12
(1CD-FTV)



A 12
(Except 1CD-FTV)

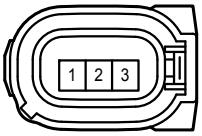


B 1
Gray

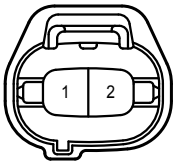


B 3
Black

B 11
Black

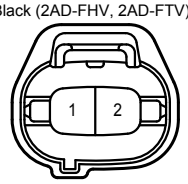


B 12
Black

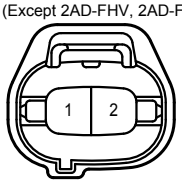


C 1
Black

C 3
Black (2AD-FHV, 2AD-FTV)



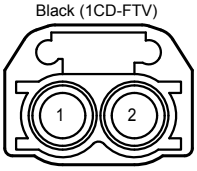
C 3
Gray (Except 2AD-FHV, 2AD-FTV)



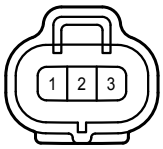
C 6
Gray (2AD-FHV, 2AD-FTV)

C 6
Gray (2AZ-FSE, 1AZ-FSE, 1AZ-FE, 1ZZ-FE, 3ZZ-FE)

C 6
Black (1CD-FTV)



D 22
Black



E 2
Gray (2AD-FHV, 2AD-FTV)

E 2
Gray (1CD-FTV)

E 2
Gray (2AZ-FSE, 1AZ-FSE, 1ZZ-FE, 3ZZ-FE)

E 2
Gray (1AZ-FE)

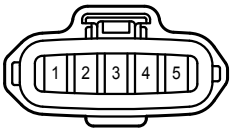
E 6
Black

E 7
Gray (2AZ-FSE)

E 7
Gray (1CD-FTV, 2AD-FHV, 2AD-FTV)

E 16
Black

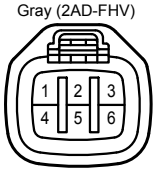
E 18
Black



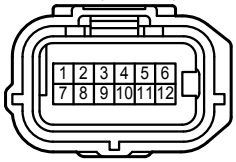
E 19
Gray

E 20
Dark Gray

E 21
Gray (2AD-FHV)

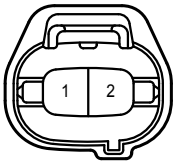


E 22
Black (2AD-FHV)

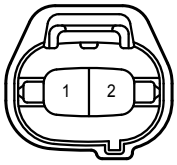


E 23
Black (2AD-FHV)

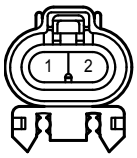
F 1
Black



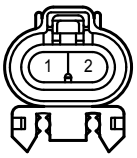
F 2
Black



F 3
Brown



F 4
Brown



F 5
Gray

F 6
Gray

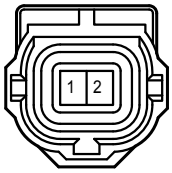
F 7

F 8

F 9

F 10

F 11
Black

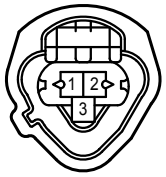


F 13
Gray

F 14
Gray

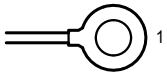
F 16
Black (1CD-FTV, 2AD-FHV)

F 16
Gray (2AZ-FSE, 1AZ-FSE)

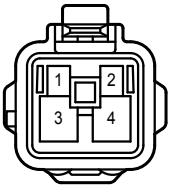


F 18
Gray

G 1



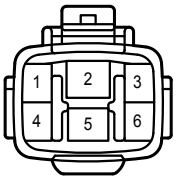
G 2
Gray



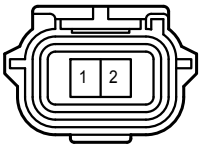
H 1
Gray

H 2
Gray

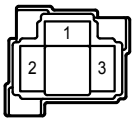
H 3
Black



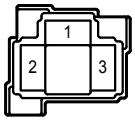
H 4
Black



H 5

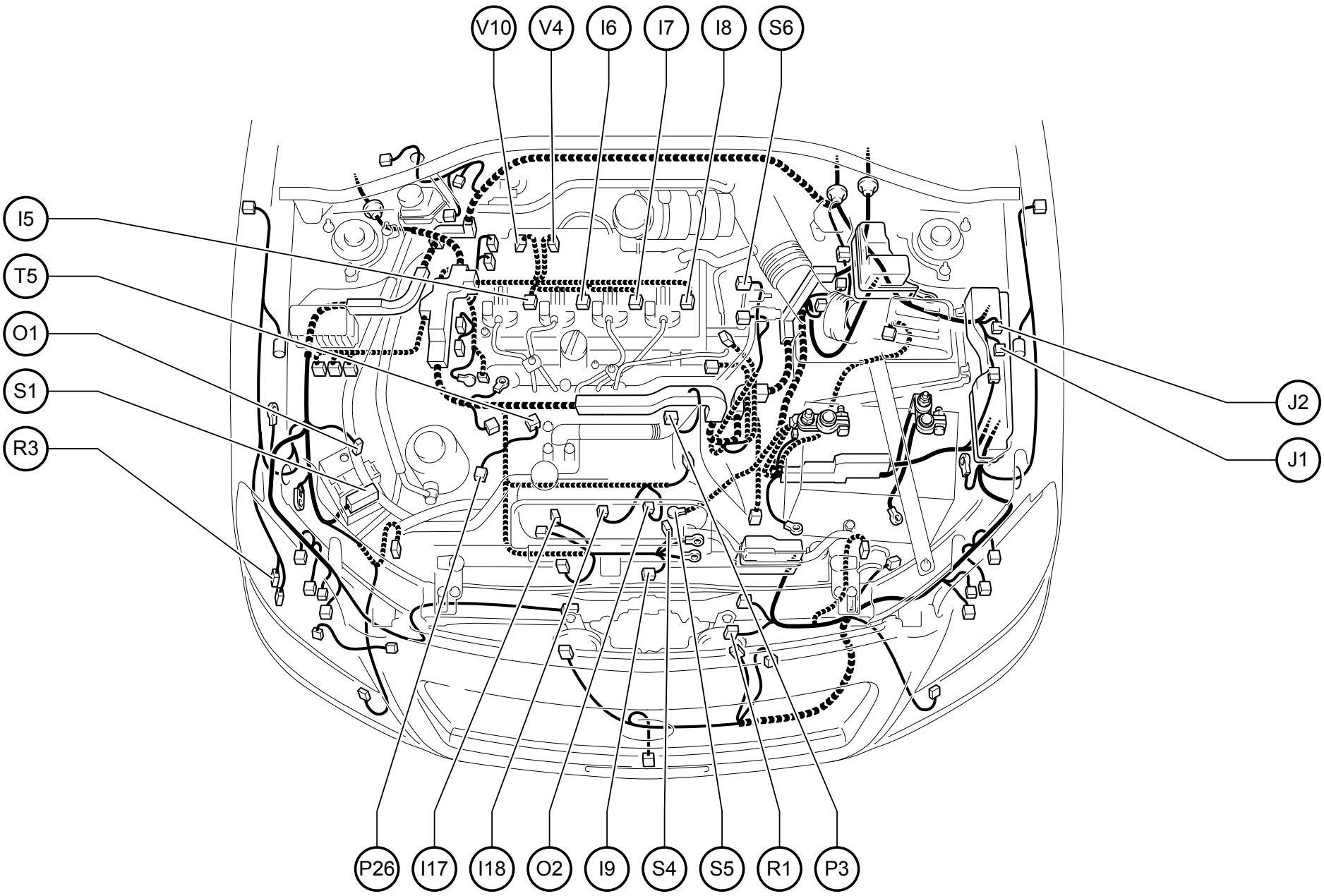


H 6



H 11
Black

H 12
Black


V10
V4
I6
I7
I8
S6
I5
T5
O1
S1
R3
J2
J1
P26
I17
I18
O2
I9
S4
S5
R1
P3

I 5 Injector No.1 (2AD-FTV)
I 5 Injector No.1 (2AD-FHV)
I 5 Injector No.1 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 5 Injector No.1 (2AZ-FSE, 1AZ-FSE)
I 6 Injector No.2 (2AD-FTV)
I 6 Injector No.2 (2AD-FHV)
I 6 Injector No.2 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 6 Injector No.2 (2AZ-FSE, 1AZ-FSE)
I 7 Injector No.3 (2AD-FTV)
I 7 Injector No.3 (2AD-FHV)
I 7 Injector No.3 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 7 Injector No.3 (2AZ-FSE, 1AZ-FSE)
I 8 Injector No.4 (2AD-FTV)
I 8 Injector No.4 (2AD-FHV)
I 8 Injector No.4 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 8 Injector No.4 (2AZ-FSE, 1AZ-FSE)
I 9 Intake Air Temp. Sensor
I 17 Intake Shutter Assembly
I 18 Intake Shutter Assembly

J 1 Junction Connector
J 2 Junction Connector

O 1 Oil Pressure Sensor
O 2 Oil Pressure SW

P 3 Pressure Discharge Valve
P 26 Power Steering Oil Pressure Sensor

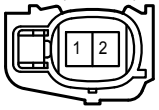
R 1 Radiator Fan Motor
R 3 Rear Washer Motor

S 1 Skid Control ECU with Actuator
S 4 Starter
S 5 Starter (2AD-FHV, 2AD-FTV)
S 5 Starter (2AZ-FSE, 1AZ-FSE, 1AZ-FE)
S 5 Starter (1ZZ-FE, 3ZZ-FE)
S 5 Starter (1CD-FTV)
S 6 Suction Control Valve

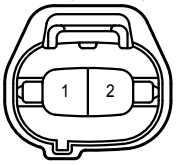
T 5 Turbo Pressure Sensor

V 4 VRV (EGR) (2AD-FHV, 2AD-FTV)
V 4 VRV (EGR) (1CD-FTV)
V 10 VSV (EGR)

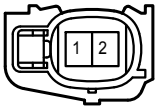
I 5
Black (2AD-FTV)



I 5
Black (2AD-FHV)

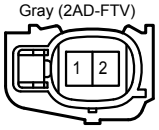


I 5
Black (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)

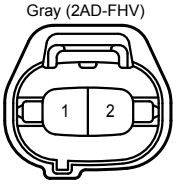


I 5
Black (2AZ-FSE, 1AZ-FSE)

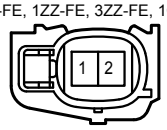
I 6
Gray (2AD-FTV)



I 6
Gray (2AD-FHV)

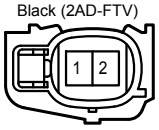


I 6
Gray (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)

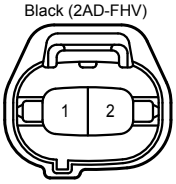


I 6
Gray (2AZ-FSE, 1AZ-FSE)

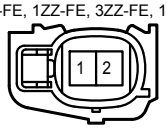
I 7
Black (2AD-FTV)



I 7
Black (2AD-FHV)

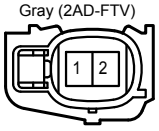


I 7
Black (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)



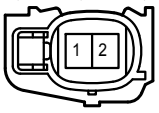
I 7
Black (2AZ-FSE, 1AZ-FSE)

I 8
Gray (2AD-FTV)



I 8
Gray (2AD-FHV)

I 8
Gray (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)



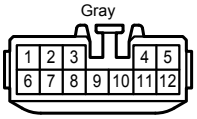
I 8
Gray (2AZ-FSE, 1AZ-FSE)

I 9
Gray

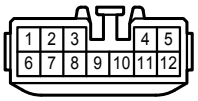
I 17
Black

I 18
Black

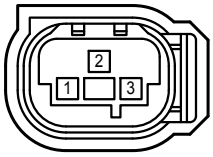
J 1
Gray



J 2
Black



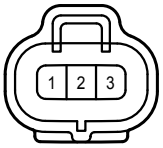
O 1
Black



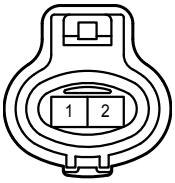
O 2
Gray

P 3
Gray

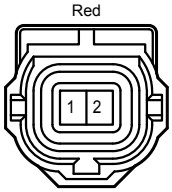
P 26
Black



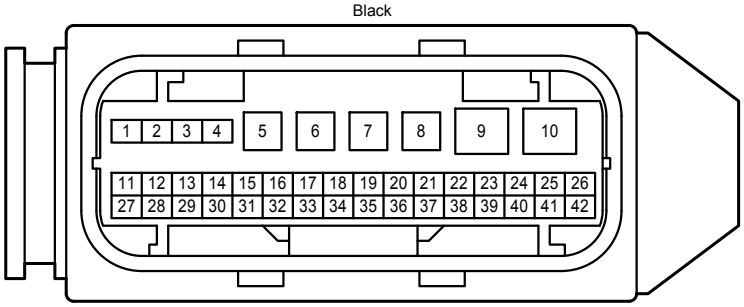
R 1
Gray



R 3
Red

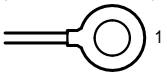


S 1
Black

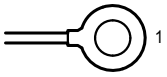


S 4
Black

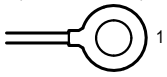
S 5
(2AD-FHV, 2AD-FTV)



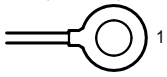
S 5
(2AZ-FSE, 1AZ-FSE, 1AZ-FE)



S 5
(1ZZ-FE, 3ZZ-FE)

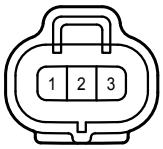


S 5
(1CD-FTV)



S 6
Gray

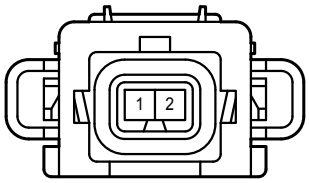
T 5
Black

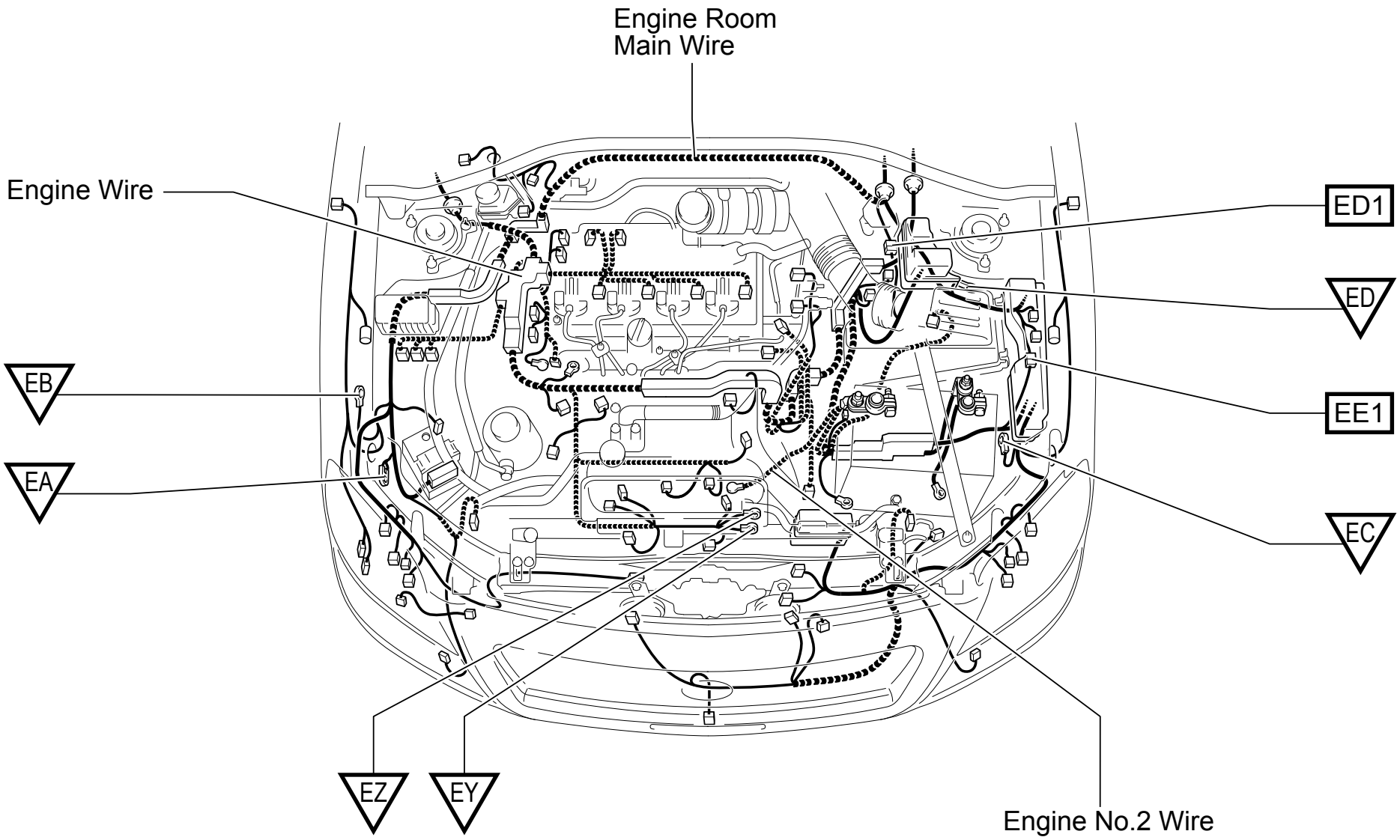


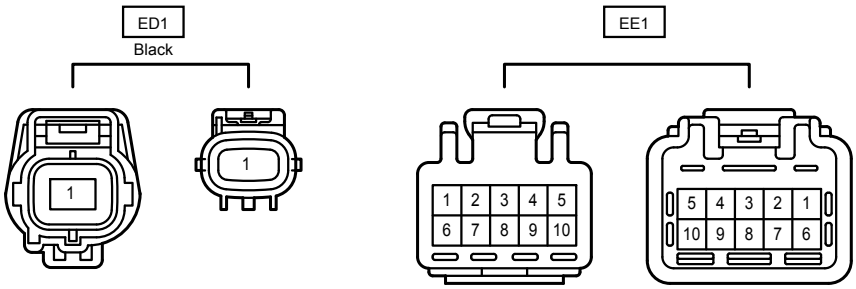
V 4
Black (2AD-FHV, 2AD-FTV)

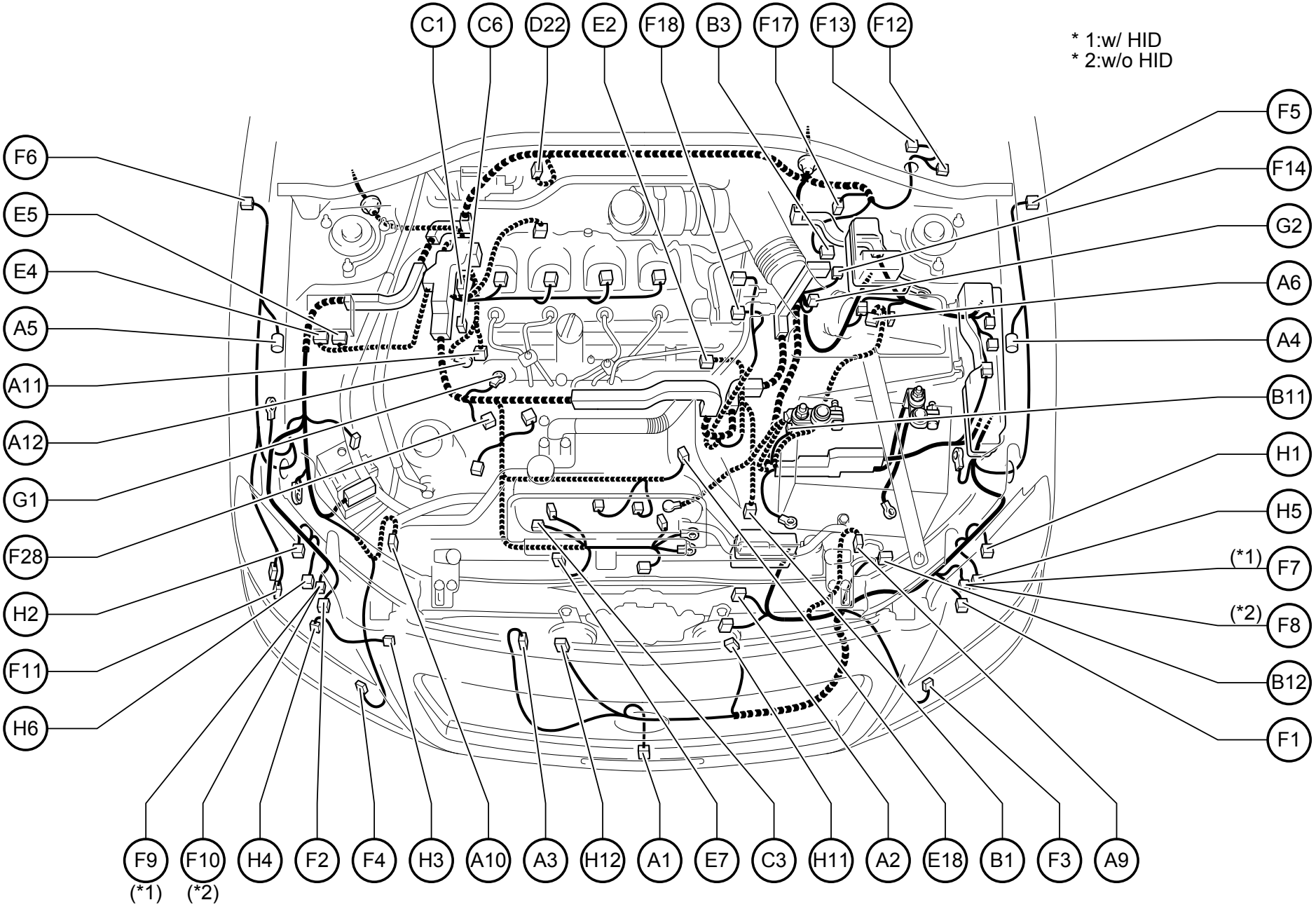
V 4
Black (1CD-FTV)

V 10
Black




Engine Room
Main Wire
Engine Wire
ED1
ED
EB
EE1
EA
EC
EZ
EY
Engine No.2 Wire


ED1
Black
1
1
EE1
1 2 3 4 5
6 7 8 9 10
5 4 3 2 1
10 9 8 7 6


C1
C6
D22
E2
F18
B3
F17
F13
F12
* 1:w/ HID
* 2:w/o HID
F5
F14
G2
A6
A4
B11
H1
H5
(*1)
F7
(*2)
F8
B12
F1
F6
E5
E4
A5
A11
A12
G1
F28
H2
F11
H6
F9
(*1)
F10
(*2)
H4
F2
F4
H3
A10
A3
H12
A1
E7
C3
H11
A2
E18
B1
F3
A9

A 1 A/C Ambient Temp. Sensor
A 2 A/C Condenser Fan Motor
A 3 A/C Pressure Sensor
A 4 ABS Speed Sensor Front LH
A 5 ABS Speed Sensor Front RH
A 6 Air Flow Meter
A 9 Airbag Sensor Front LH
A 10 Airbag Sensor Front RH
A 11 Alternator
A 12 Alternator (1CD-FTV)
A 12 Alternator (Except 1CD-FTV)

B 1 Back-Up Light SW
B 3 Brake Fluid Level Warning SW
B 11 Battery Current Sensor
B 12 Battery Thermometer Sensor

C 1 Camshaft Position Sensor
C 3 Compressor Assembly (2AD-FHV, 2AD-FTV)
C 3 Compressor Assembly (Except 2AD-FHV, 2AD-FTV)
C 6 Crankshaft Position Sensor (2AD-FHV, 2AD-FTV)
C 6 Crankshaft Position Sensor (2AZ-FSE, 1AZ-FSE, 1AZ-FE, 1ZZ-FE, 3ZZ-FE)
C 6 Crankshaft Position Sensor (1CD-FTV)

D 22 Differential Pressure Sensor

E 2 EFI Water Temp. Sensor (2AD-FHV, 2AD-FTV)
E 2 EFI Water Temp. Sensor (1CD-FTV)
E 2 EFI Water Temp. Sensor (2AZ-FSE, 1AZ-FSE, 1ZZ-FE, 3ZZ-FE)
E 2 EFI Water Temp. Sensor (1AZ-FE)
E 4 Electronic Driver Unit
E 5 Electronic Driver Unit (1CD-FTV, 2AD-FTV)
E 5 Electronic Driver Unit (2AZ-FSE, 1AZ-FSE)
E 7 Engine Oil Level Sensor (2AZ-FSE)
E 7 Engine Oil Level Sensor (1CD-FTV, 2AD-FHV, 2AD-FTV)
E 18 EGR Valve Position Sensor

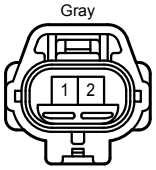
F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 3 Front Fog Light LH
F 4 Front Fog Light RH
F 5 Front Side Turn Signal Light LH
F 6 Front Side Turn Signal Light RH
F 7 Front Turn Signal Light LH , Headlight Control ECU LH
F 8 Front Turn Signal Light LH , Headlight LH (Low)
F 9 Front Turn Signal Light RH , Headlight Control ECU RH
F 10 Front Turn Signal Light RH , Headlight RH (Low)
F 11 Front Washer Motor
F 12 Front Window Deicer
F 13 Front Wiper Motor
F 14 Fuel Filter Warning SW
F 17 Fuel Pump
F 18 Fuel Temp. Sensor
F 28 Fuel Pressure Sensor

G 1 Glow Plug
G 2 Glow Plug Relay

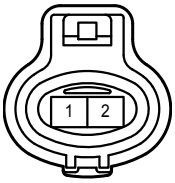
H 1 Headlight Beam Level Control Actuator LH

H 2 Headlight Beam Level Control Actuator RH
H 3 Headlight Cleaner Control Relay
H 4 Headlight Cleaner Motor
H 5 Headlight LH (High)
H 6 Headlight RH (High)
H 11 Horn LH
H 12 Horn RH

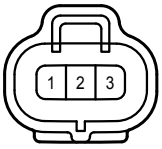
A 1
Gray



A 2
Black



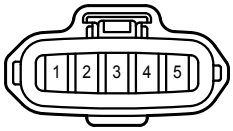
A 3
Black



A 4

A 5

A 6
Black

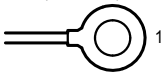


A 9
Yellow

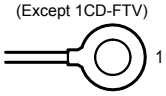
A 10
Yellow

A 11
Black

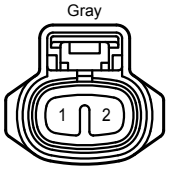
A 12
(1CD-FTV)



A 12
(Except 1CD-FTV)

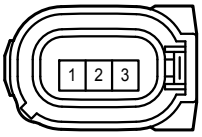


B 1
Gray

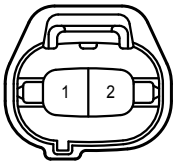


B 3
Black

B 11
Black

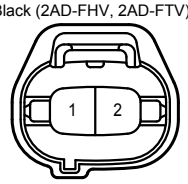


B 12
Black

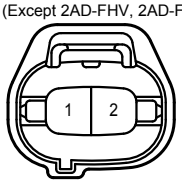


C 1
Black

C 3
Black (2AD-FHV, 2AD-FTV)



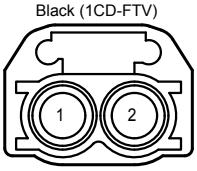
C 3
Gray (Except 2AD-FHV, 2AD-FTV)



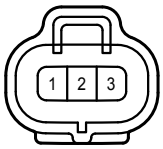
C 6
Gray (2AD-FHV, 2AD-FTV)

C 6
Gray (2AZ-FSE, 1AZ-FSE, 1AZ-FE, 1ZZ-FE, 3ZZ-FE)

C 6
Black (1CD-FTV)



D 22
Black



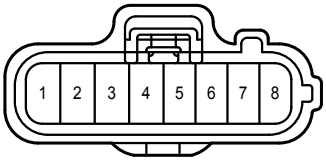
E 2
Gray (2AD-FHV, 2AD-FTV)

E 2
Gray (1CD-FTV)

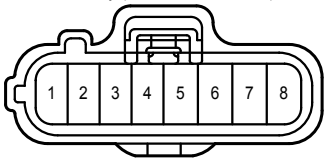
E 2
Gray (2AZ-FSE, 1AZ-FSE, 1ZZ-FE, 3ZZ-FE)

E 2
Gray (1AZ-FE)

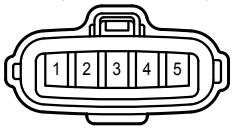
E 4
Black



E 5
Dark Gray (1CD-FTV, 2AD-FTV)



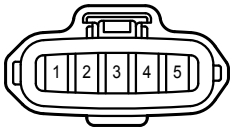
E 5
Black (2AZ-FSE, 1AZ-FSE)



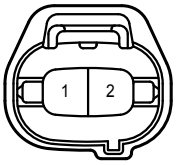
E 7
Gray (2AZ-FSE)

E 7
Gray (1CD-FTV, 2AD-FHV, 2AD-FTV)

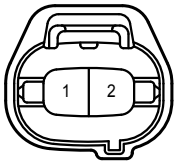
E 18
Black



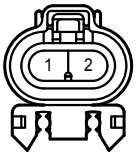
F 1
Black



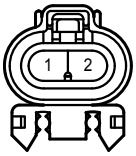
F 2
Black



F 3
Brown



F 4
Brown



F 5
Gray

F 6
Gray

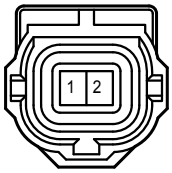
F 7

F 8

F 9

F 10

F 11
Black



F 12
Black

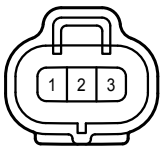
F 13
Gray

F 14
Gray

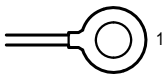
F 17
Black

F 18
Gray

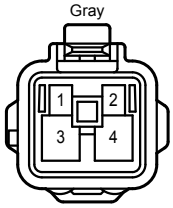
F 28
Black



G 1



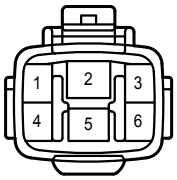
G 2
Gray



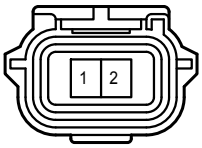
H 1
Gray

H 2
Gray

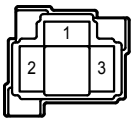
H 3
Black



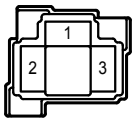
H 4
Black



H 5

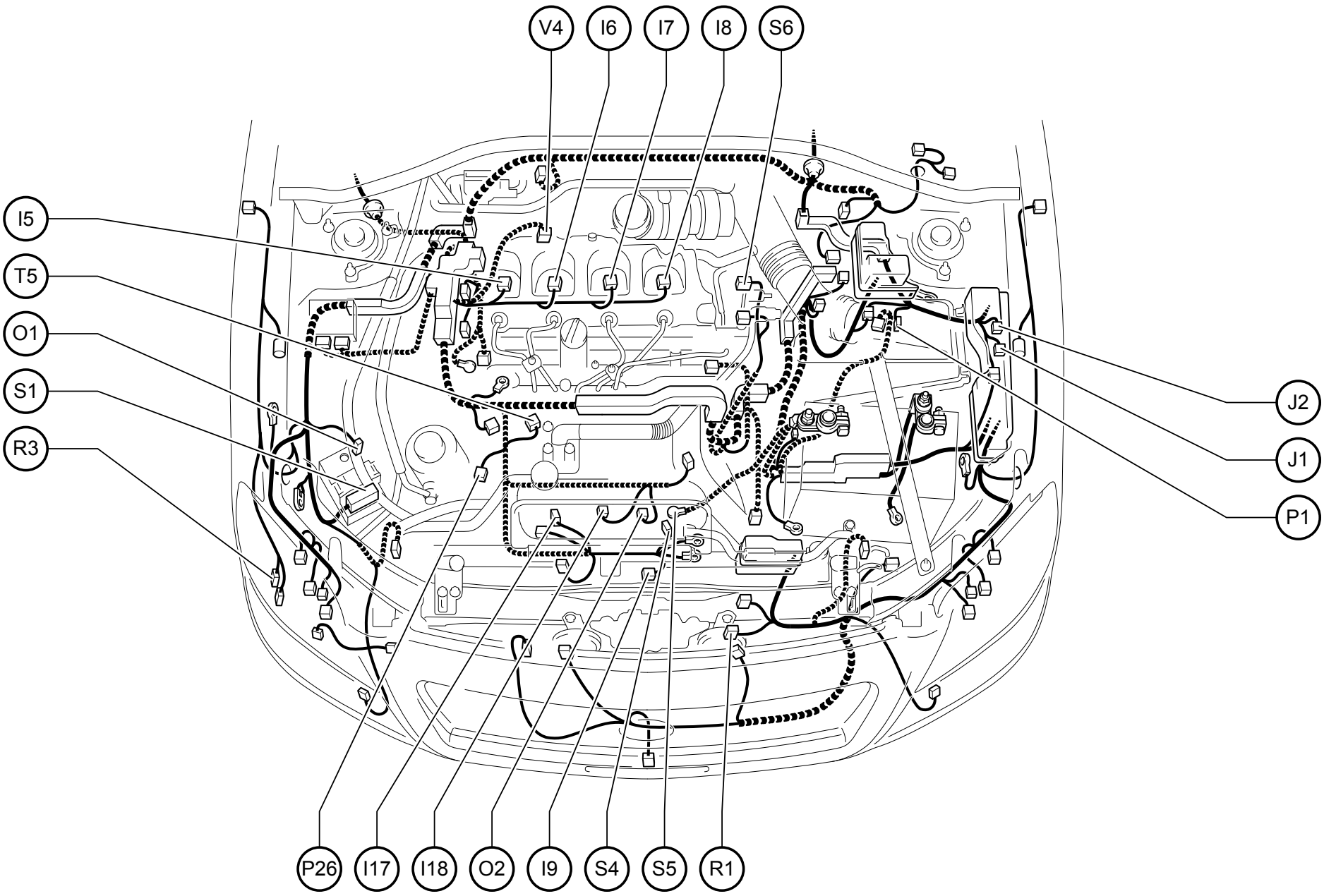


H 6



H 11
Black

H 12
Black


V4
I6
I7
I8
S6
I5
T5
O1
S1
R3
J2
J1
P1
P26
I17
I18
O2
I9
S4
S5
R1

I 5 Injector No.1 (2AD-FTV)
I 5 Injector No.1 (2AD-FHV)
I 5 Injector No.1 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 5 Injector No.1 (2AZ-FSE, 1AZ-FSE)
I 6 Injector No.2 (2AD-FTV)
I 6 Injector No.2 (2AD-FHV)
I 6 Injector No.2 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 6 Injector No.2 (2AZ-FSE, 1AZ-FSE)
I 7 Injector No.3 (2AD-FTV)
I 7 Injector No.3 (2AD-FHV)
I 7 Injector No.3 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 7 Injector No.3 (2AZ-FSE, 1AZ-FSE)
I 8 Injector No.4 (2AD-FTV)
I 8 Injector No.4 (2AD-FHV)
I 8 Injector No.4 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 8 Injector No.4 (2AZ-FSE, 1AZ-FSE)
I 9 Intake Air Temp. Sensor
I 17 Intake Shutter Assembly
I 18 Intake Shutter Assembly

J 1 Junction Connector
J 2 Junction Connector

O 1 Oil Pressure Sensor
O 2 Oil Pressure SW

P 1 Power Heater Assembly
P 26 Power Steering Oil Pressure Sensor

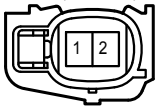
R 1 Radiator Fan Motor
R 3 Rear Washer Motor

S 1 Skid Control ECU with Actuator
S 4 Starter
S 5 Starter (2AD-FHV, 2AD-FTV)
S 5 Starter (2AZ-FSE, 1AZ-FSE, 1AZ-FE)
S 5 Starter (1ZZ-FE, 3ZZ-FE)
S 5 Starter (1CD-FTV)
S 6 Suction Control Valve

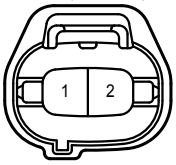
T 5 Turbo Pressure Sensor

V 4 VRV (EGR) (2AD-FHV, 2AD-FTV)
V 4 VRV (EGR) (1CD-FTV)

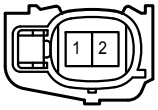
I 5
Black (2AD-FTV)



I 5
Black (2AD-FHV)

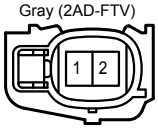


I 5
Black (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)

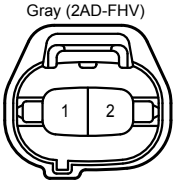


I 5
Black (2AZ-FSE, 1AZ-FSE)

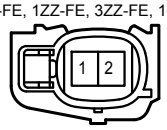
I 6
Gray (2AD-FTV)



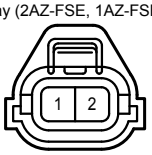
I 6
Gray (2AD-FHV)



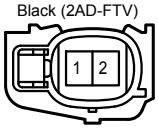
I 6
Gray (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)



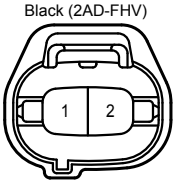
I 6
Gray (2AZ-FSE, 1AZ-FSE)



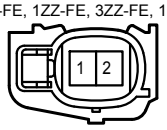
I 7
Black (2AD-FTV)



I 7
Black (2AD-FHV)

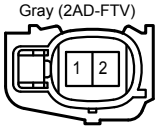


I 7
Black (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)



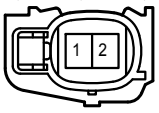
I 7
Black (2AZ-FSE, 1AZ-FSE)

I 8
Gray (2AD-FTV)

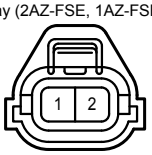


I 8
Gray (2AD-FHV)

I 8
Gray (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)



I 8
Gray (2AZ-FSE, 1AZ-FSE)

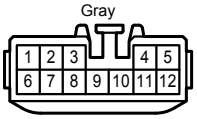


I 9
Gray

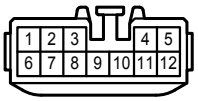
I 17
Black

I 18
Black

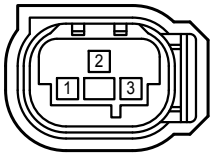
J 1
Gray



J 2
Black

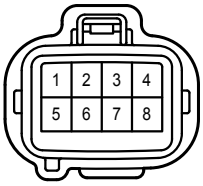


O 1
Black



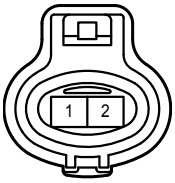
O 2
Gray

P 1
Black

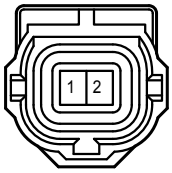


P 26
Black

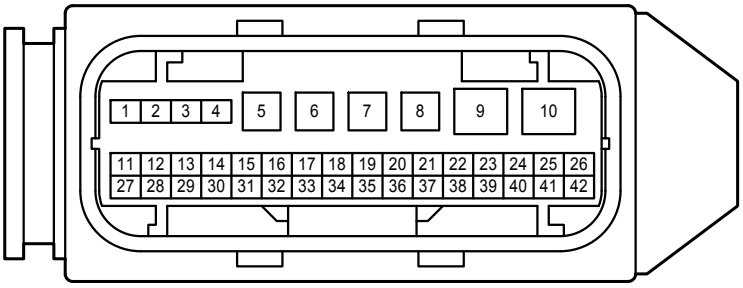
R 1
Gray



R 3
Red

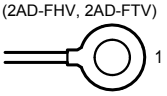


S 1
Black

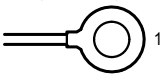


S 4
Black

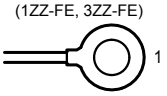
S 5
(2AD-FHV, 2AD-FTV)



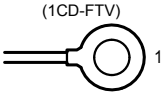
S 5
(2AZ-FSE, 1AZ-FSE, 1AZ-FE)



S 5
(1ZZ-FE, 3ZZ-FE)

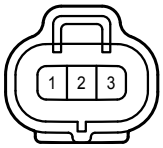


S 5
(1CD-FTV)



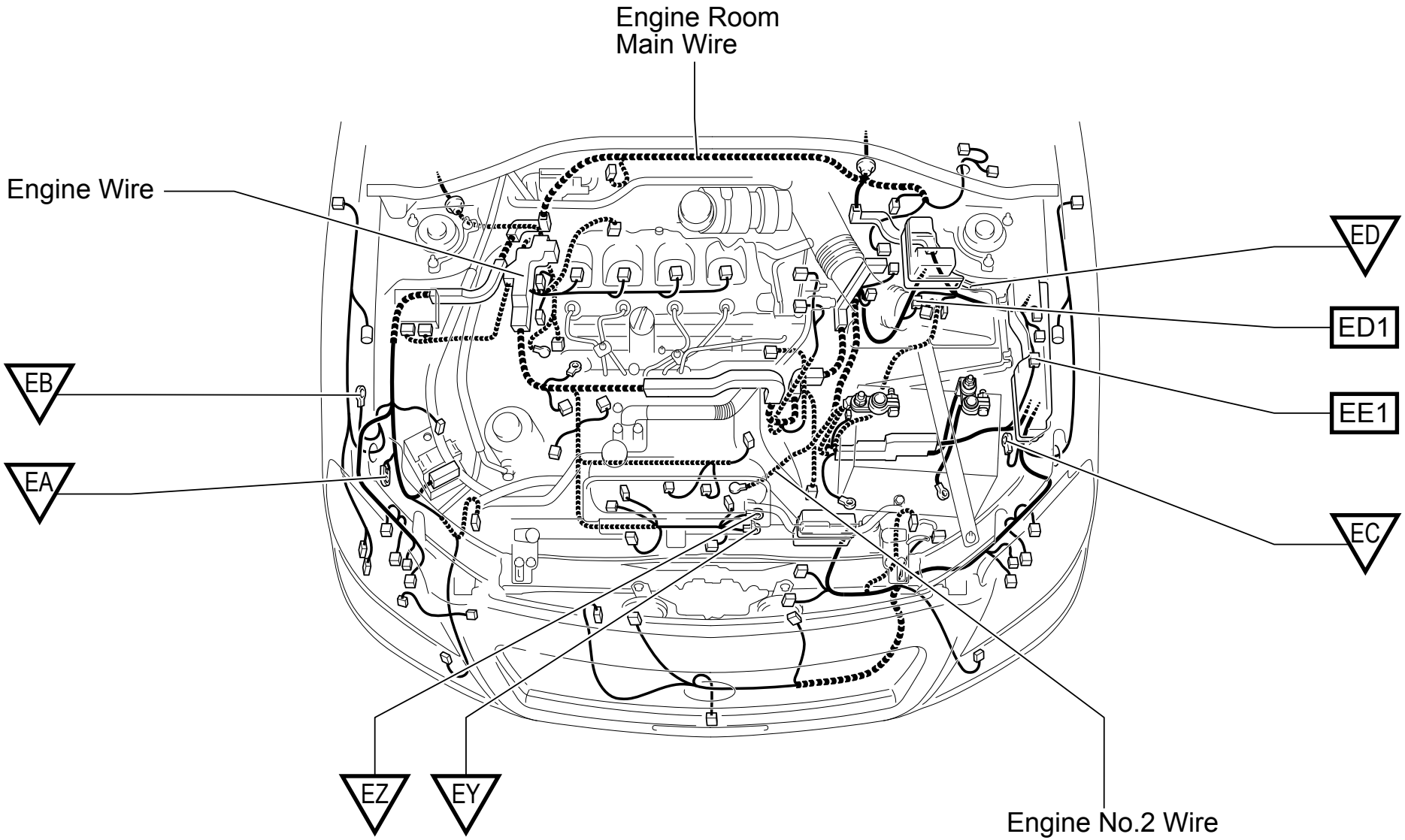
S 6
Gray

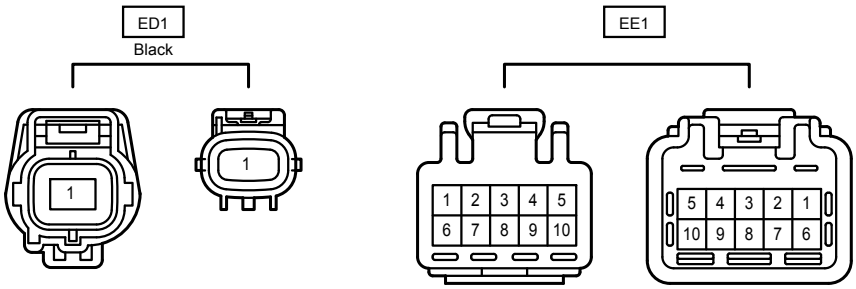
T 5
Black

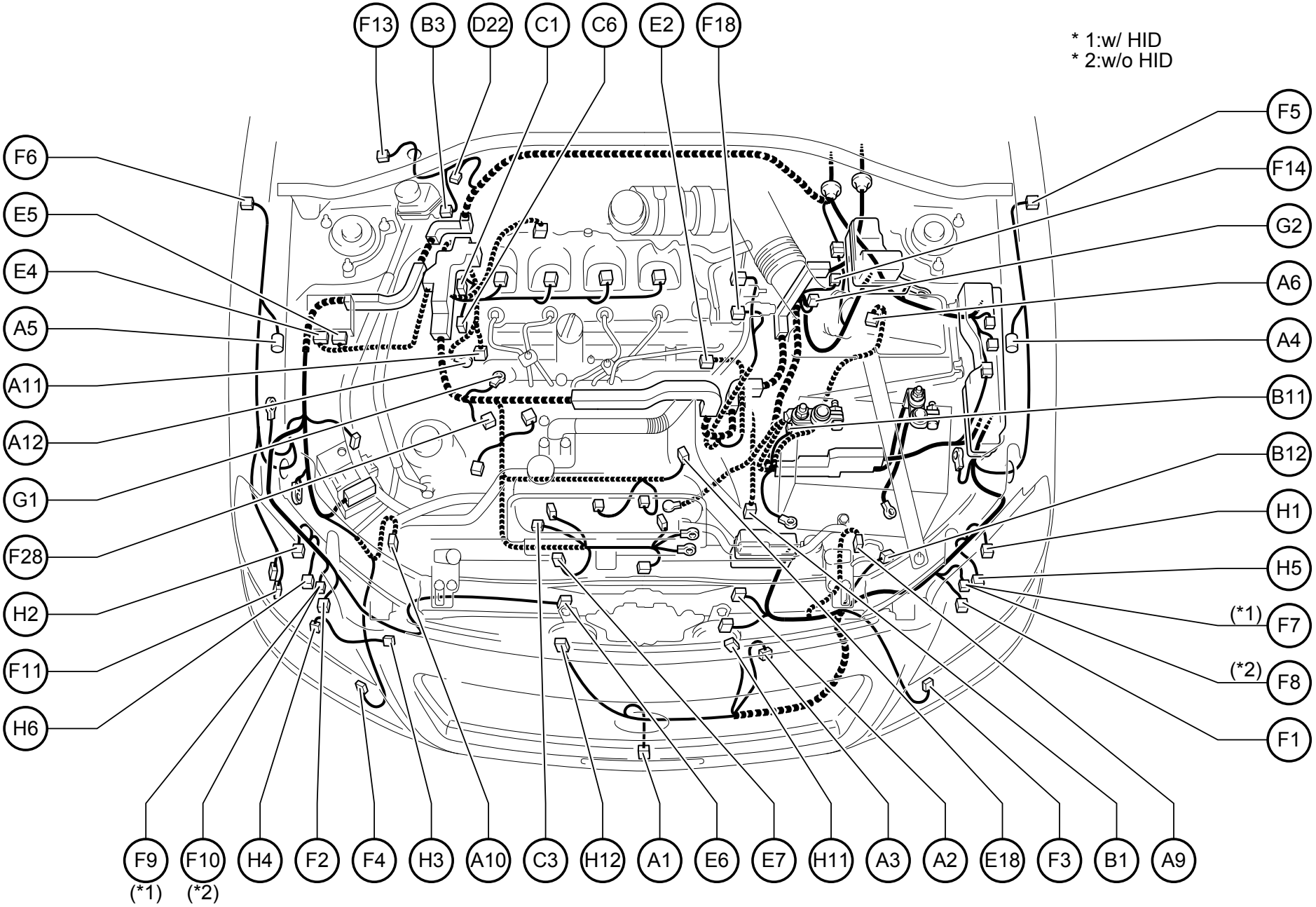


V 4
Black (2AD-FHV, 2AD-FTV)

V 4
Black (1CD-FTV)


Engine Room
Main Wire
Engine Wire
ED
ED1
EE1
EB
EA
EC
EZ
EY
Engine No.2 Wire


ED1
Black
1
1
EE1
1 2 3 4 5
6 7 8 9 10
5 4 3 2 1
10 9 8 7 6


F13
B3
D22
C1
C6
E2
F18
* 1:w/ HID
* 2:w/o HID
F5
F14
G2
A6
A4
B11
B12
H1
H5
(*1)
F7
(*2)
F8
F1
F6
E5
E4
A5
A11
A12
G1
F28
H2
F11
H6
F9
(*1)
F10
(*2)
H4
F2
F4
H3
A10
C3
H12
A1
E6
E7
H11
A3
A2
E18
F3
B1
A9

A 1 A/C Ambient Temp. Sensor
A 2 A/C Condenser Fan Motor
A 3 A/C Pressure Sensor
A 4 ABS Speed Sensor Front LH
A 5 ABS Speed Sensor Front RH
A 6 Air Flow Meter
A 9 Airbag Sensor Front LH
A 10 Airbag Sensor Front RH
A 11 Alternator
A 12 Alternator (1CD-FTV)
A 12 Alternator (Except 1CD-FTV)

B 1 Back-Up Light SW
B 3 Brake Fluid Level Warning SW
B 11 Battery Current Sensor
B 12 Battery Thermometer Sensor

C 1 Camshaft Position Sensor
C 3 Compressor Assembly (2AD-FHV, 2AD-FTV)
C 3 Compressor Assembly (Except 2AD-FHV, 2AD-FTV)
C 6 Crankshaft Position Sensor (2AD-FHV, 2AD-FTV)
C 6 Crankshaft Position Sensor (2AZ-FSE, 1AZ-FSE, 1AZ-FE, 1ZZ-FE, 3ZZ-FE)
C 6 Crankshaft Position Sensor (1CD-FTV)

D 22 Differential Pressure Sensor

E 2 EFI Water Temp. Sensor (2AD-FHV, 2AD-FTV)
E 2 EFI Water Temp. Sensor (1CD-FTV)
E 2 EFI Water Temp. Sensor (2AZ-FSE, 1AZ-FSE, 1ZZ-FE, 3ZZ-FE)
E 2 EFI Water Temp. Sensor (1AZ-FE)
E 4 Electronic Driver Unit
E 5 Electronic Driver Unit (1CD-FTV, 2AD-FTV)
E 5 Electronic Driver Unit (2AZ-FSE, 1AZ-FSE)
E 6 Engine Hood Courtesy SW
E 7 Engine Oil Level Sensor (2AZ-FSE)
E 7 Engine Oil Level Sensor (1CD-FTV, 2AD-FHV, 2AD-FTV)
E 18 EGR Valve Position Sensor

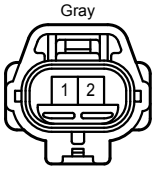
F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 3 Front Fog Light LH
F 4 Front Fog Light RH
F 5 Front Side Turn Signal Light LH
F 6 Front Side Turn Signal Light RH
F 7 Front Turn Signal Light LH , Headlight Control ECU LH
F 8 Front Turn Signal Light LH , Headlight LH (Low)
F 9 Front Turn Signal Light RH , Headlight Control ECU RH
F 10 Front Turn Signal Light RH , Headlight RH (Low)
F 11 Front Washer Motor
F 13 Front Wiper Motor
F 14 Fuel Filter Warning SW
F 18 Fuel Temp. Sensor
F 28 Fuel Pressure Sensor

G 1 Glow Plug
G 2 Glow Plug Relay

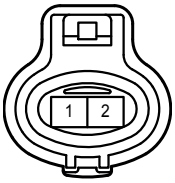
H 1 Headlight Beam Level Control Actuator LH
H 2 Headlight Beam Level Control Actuator RH

H 3 Headlight Cleaner Control Relay
H 4 Headlight Cleaner Motor
H 5 Headlight LH (High)
H 6 Headlight RH (High)
H 11 Horn LH
H 12 Horn RH

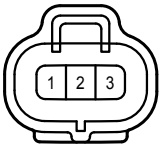
A 1
Gray



A 2
Black



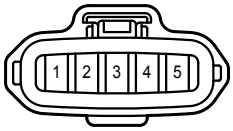
A 3
Black



A 4

A 5

A 6
Black

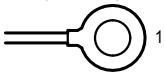


A 9
Yellow

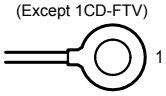
A 10
Yellow

A 11
Black

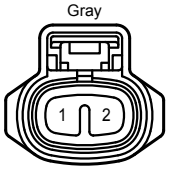
A 12
(1CD-FTV)



A 12
(Except 1CD-FTV)

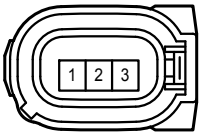


B 1
Gray

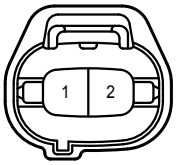


B 3
Black

B 11
Black

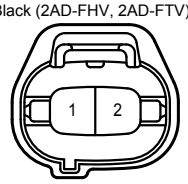


B 12
Black

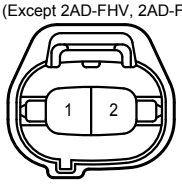


C 1
Black

C 3
Black (2AD-FHV, 2AD-FTV)



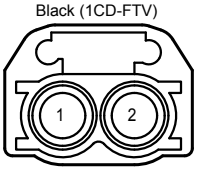
C 3
Gray (Except 2AD-FHV, 2AD-FTV)



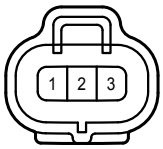
C 6
Gray (2AD-FHV, 2AD-FTV)

C 6
Gray (2AZ-FSE, 1AZ-FSE, 1AZ-FE, 1ZZ-FE, 3ZZ-FE)

C 6
Black (1CD-FTV)



D 22
Black



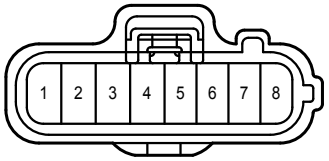
E 2
Gray (2AD-FHV, 2AD-FTV)

E 2
Gray (1CD-FTV)

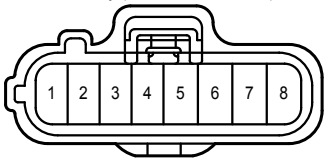
E 2
Gray (2AZ-FSE, 1AZ-FSE, 1ZZ-FE, 3ZZ-FE)

E 2
Gray (1AZ-FE)

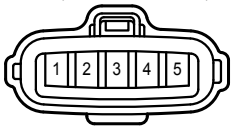
E 4
Black



E 5
Dark Gray (1CD-FTV, 2AD-FTV)



E 5
Black (2AZ-FSE, 1AZ-FSE)

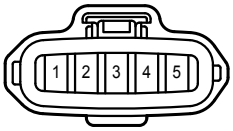


E 6
Black

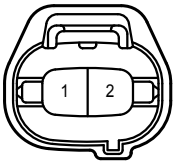
E 7
Gray (2AZ-FSE)

E 7
Gray (1CD-FTV, 2AD-FHV, 2AD-FTV)

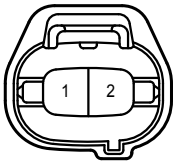
E 18
Black



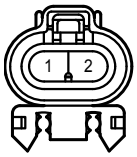
F 1
Black



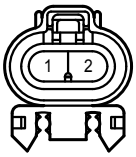
F 2
Black



F 3
Brown



F 4
Brown



F 5
Gray

F 6
Gray

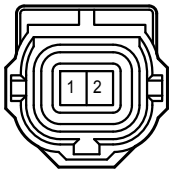
F 7

F 8

F 9

F 10

F 11
Black

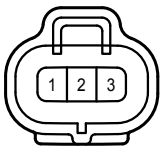


F 13
Gray

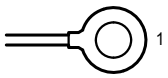
F 14
Gray

F 18
Gray

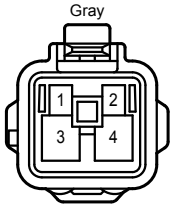
F 28
Black



G 1



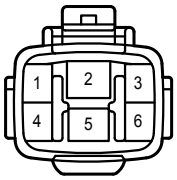
G 2
Gray



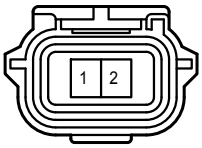
H 1
Gray

H 2
Gray

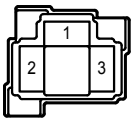
H 3
Black



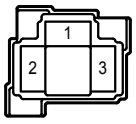
H 4
Black



H 5

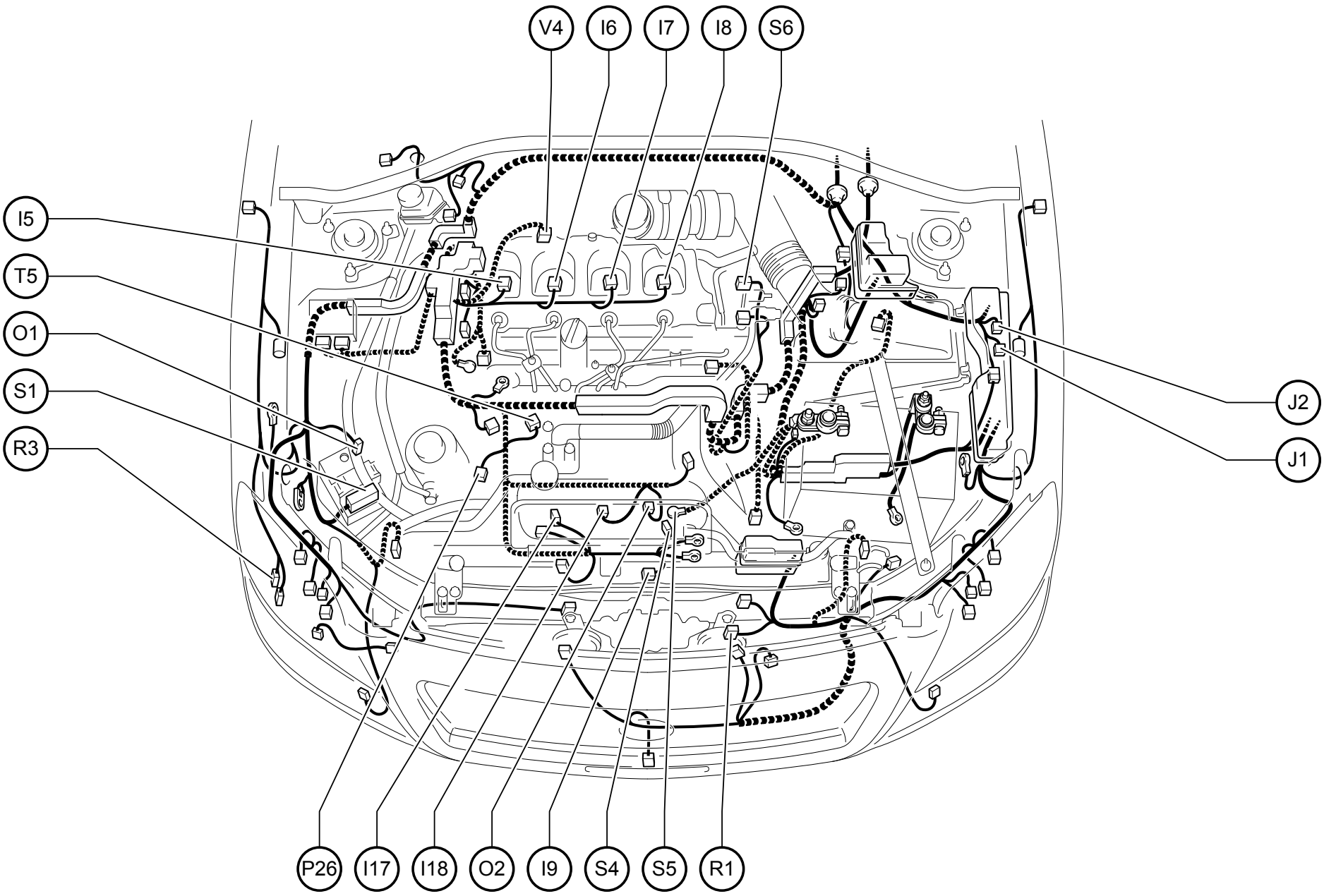


H 6



H 11
Black

H 12
Black


V4
I6
I7
I8
S6
I5
T5
O1
S1
R3
J2
J1
P26
I17
I18
O2
I9
S4
S5
R1

I 5 Injector No.1 (2AD-FTV)
I 5 Injector No.1 (2AD-FHV)
I 5 Injector No.1 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 5 Injector No.1 (2AZ-FSE, 1AZ-FSE)
I 6 Injector No.2 (2AD-FTV)
I 6 Injector No.2 (2AD-FHV)
I 6 Injector No.2 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 6 Injector No.2 (2AZ-FSE, 1AZ-FSE)
I 7 Injector No.3 (2AD-FTV)
I 7 Injector No.3 (2AD-FHV)
I 7 Injector No.3 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 7 Injector No.3 (2AZ-FSE, 1AZ-FSE)
I 8 Injector No.4 (2AD-FTV)
I 8 Injector No.4 (2AD-FHV)
I 8 Injector No.4 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 8 Injector No.4 (2AZ-FSE, 1AZ-FSE)
I 9 Intake Air Temp. Sensor
I 17 Intake Shutter Assembly
I 18 Intake Shutter Assembly

J 1 Junction Connector
J 2 Junction Connector

O 1 Oil Pressure Sensor
O 2 Oil Pressure SW

P 26 Power Steering Oil Pressure Sensor

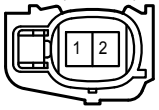
R 1 Radiator Fan Motor
R 3 Rear Washer Motor

S 1 Skid Control ECU with Actuator
S 4 Starter
S 5 Starter (2AD-FHV, 2AD-FTV)
S 5 Starter (2AZ-FSE, 1AZ-FSE, 1AZ-FE)
S 5 Starter (1ZZ-FE, 3ZZ-FE)
S 5 Starter (1CD-FTV)
S 6 Suction Control Valve

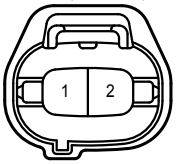
T 5 Turbo Pressure Sensor

V 4 VRV (EGR) (2AD-FHV, 2AD-FTV)
V 4 VRV (EGR) (1CD-FTV)

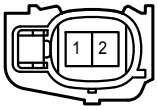
I 5
Black (2AD-FTV)



I 5
Black (2AD-FHV)

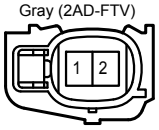


I 5
Black (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)

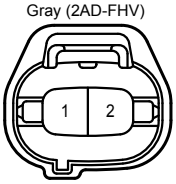


I 5
Black (2AZ-FSE, 1AZ-FSE)

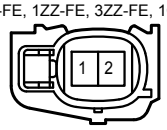
I 6
Gray (2AD-FTV)



I 6
Gray (2AD-FHV)

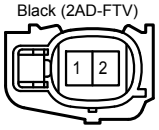


I 6
Gray (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)

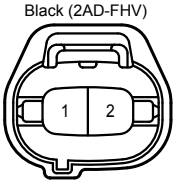


I 6
Gray (2AZ-FSE, 1AZ-FSE)

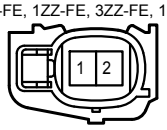
I 7
Black (2AD-FTV)



I 7
Black (2AD-FHV)

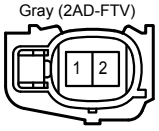


I 7
Black (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)



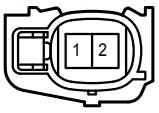
I 7
Black (2AZ-FSE, 1AZ-FSE)

I 8
Gray (2AD-FTV)



I 8
Gray (2AD-FHV)

I 8
Gray (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)



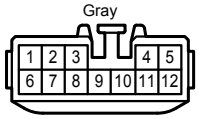
I 8
Gray (2AZ-FSE, 1AZ-FSE)

I 9
Gray

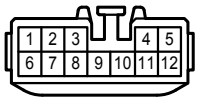
I 17
Black

I 18
Black

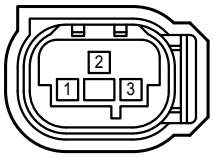
J 1
Gray



J 2
Black

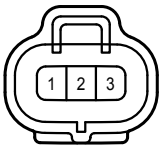


O 1
Black

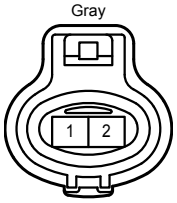


O 2
Gray

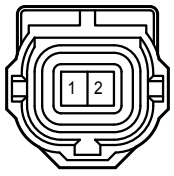
P 26
Black



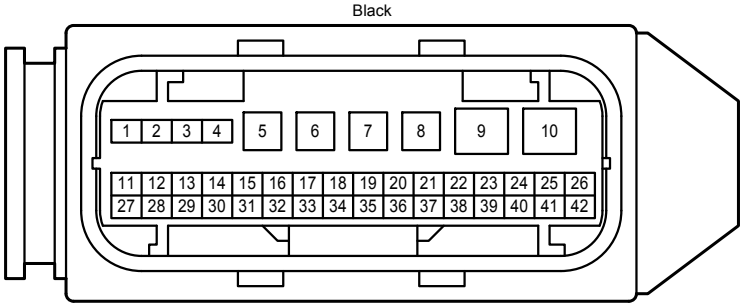
R 1
Gray



R 3
Red

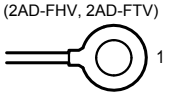


S 1
Black

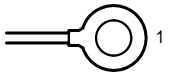


S 4
Black

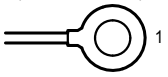
S 5
(2AD-FHV, 2AD-FTV)



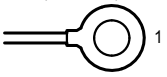
S 5
(2AZ-FSE, 1AZ-FSE, 1AZ-FE)



S 5
(1ZZ-FE, 3ZZ-FE)



S 5
(1CD-FTV)

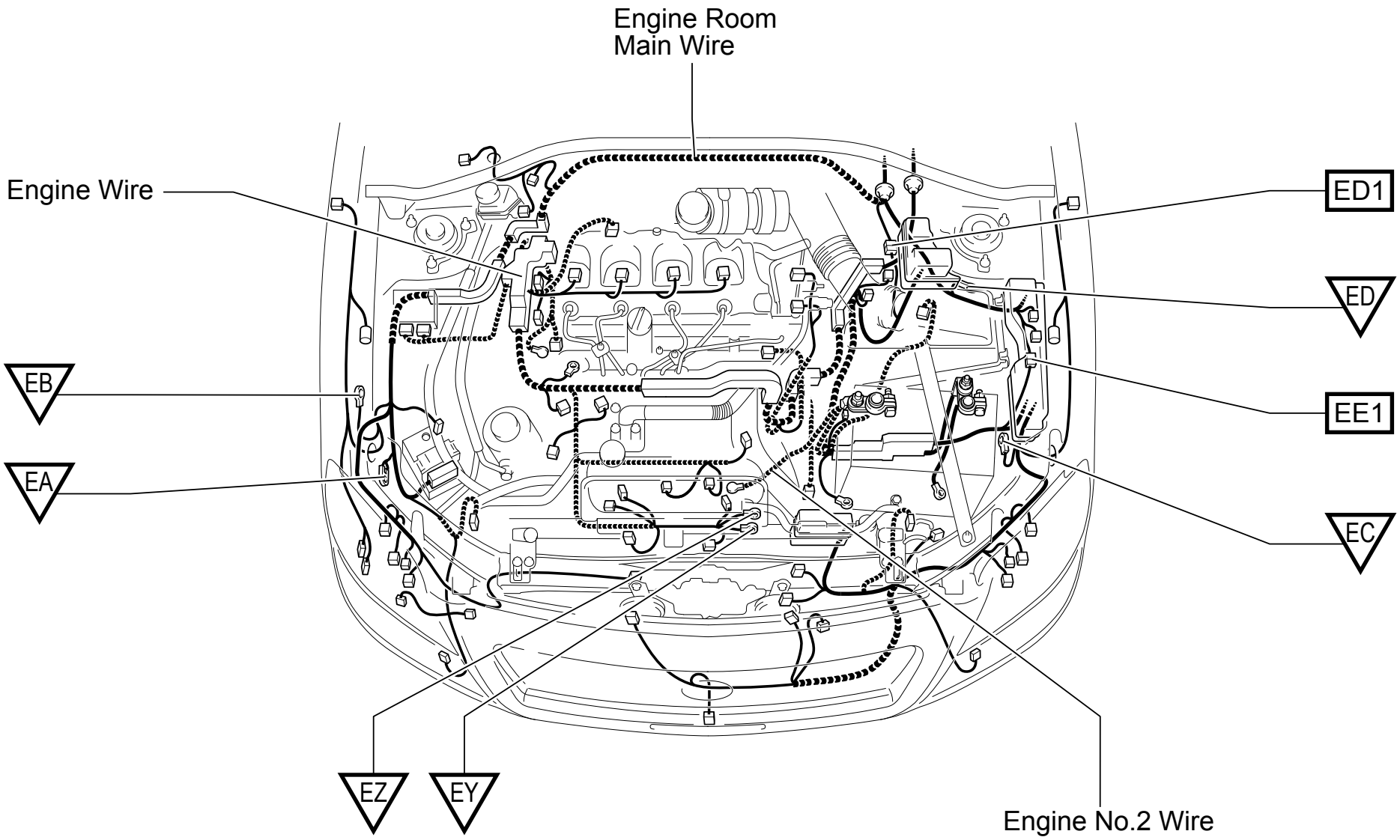


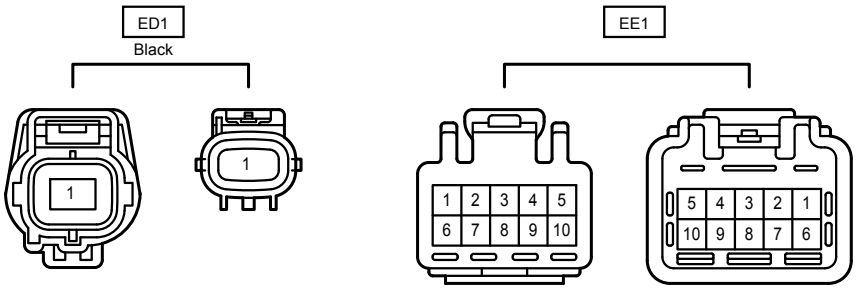
S 6
Gray

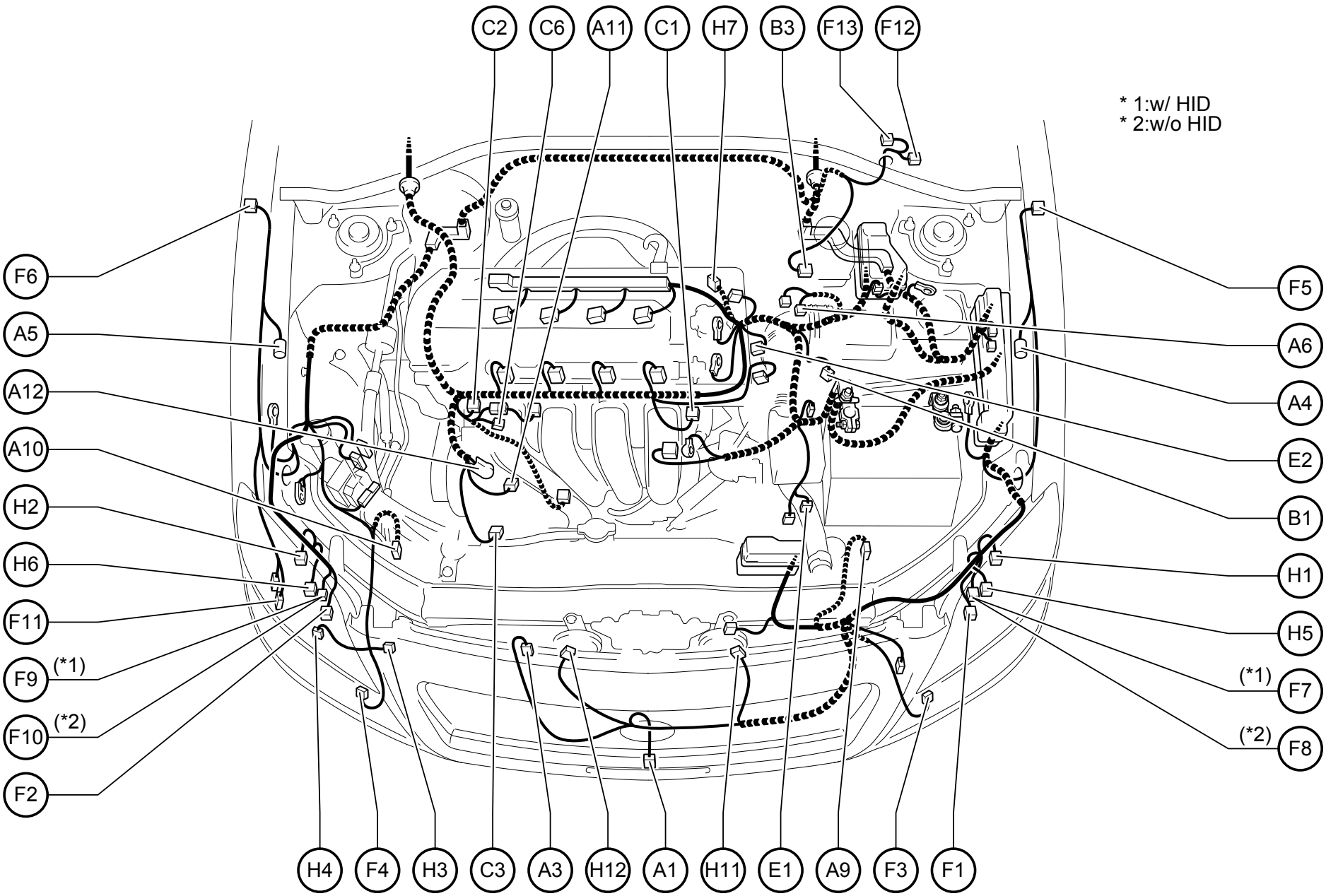
T 5
Black

V 4
Black (2AD-FHV, 2AD-FTV)

V 4
Black (1CD-FTV)


Engine Room
Main Wire
Engine Wire
ED1
ED
EB
EE1
EA
EC
EZ
EY
Engine No.2 Wire


ED1
Black
1
1
EE1
1 2 3 4 5
6 7 8 9 10
5 4 3 2 1
10 9 8 7 6


C2
C6
A11
C1
H7
B3
F13
F12
* 1:w/ HID
* 2:w/o HID
F6
A5
A12
A10
H2
H6
F11
F9 (*1)
F10 (*2)
F2
F5
A6
A4
E2
B1
H1
H5
(*1) F7
(*2) F8
H4
F4
H3
C3
A3
H12
A1
H11
E1
A9
F3
F1

A 1 A/C Ambient Temp. Sensor
A 3 A/C Pressure Sensor
A 4 ABS Speed Sensor Front LH
A 5 ABS Speed Sensor Front RH
A 6 Air Flow Meter
A 9 Airbag Sensor Front LH
A 10 Airbag Sensor Front RH
A 11 Alternator
A 12 Alternator (1CD-FTV)
A 12 Alternator (Except 1CD-FTV)

B 1 Back-Up Light SW
B 3 Brake Fluid Level Warning SW

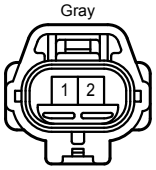
C 1 Camshaft Position Sensor
C 2 Camshaft Timing Oil Control Valve
C 3 Compressor Assembly (2AD-FHV, 2AD-FTV)
C 3 Compressor Assembly (Except 2AD-FHV, 2AD-FTV)
C 6 Crankshaft Position Sensor (2AD-FHV, 2AD-FTV)
C 6 Crankshaft Position Sensor (2AZ-FSE, 1AZ-FSE, 1AZ-FE, 1ZZ-FE, 3ZZ-FE)
C 6 Crankshaft Position Sensor (1CD-FTV)

E 1 ECT Solenoid (2AZ-FSE)
E 1 ECT Solenoid (Except 2AZ-FSE)
E 2 EFI Water Temp. Sensor (2AD-FHV, 2AD-FTV)
E 2 EFI Water Temp. Sensor (1CD-FTV)
E 2 EFI Water Temp. Sensor (2AZ-FSE, 1AZ-FSE, 1ZZ-FE, 3ZZ-FE)
E 2 EFI Water Temp. Sensor (1AZ-FE)

F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 3 Front Fog Light LH
F 4 Front Fog Light RH
F 5 Front Side Turn Signal Light LH
F 6 Front Side Turn Signal Light RH
F 7 Front Turn Signal Light LH , Headlight Control ECU LH
F 8 Front Turn Signal Light LH , Headlight LH (Low)
F 9 Front Turn Signal Light RH , Headlight Control ECU RH
F 10 Front Turn Signal Light RH , Headlight RH (Low)
F 11 Front Washer Motor
F 12 Front Window Deicer
F 13 Front Wiper Motor

H 1 Headlight Beam Level Control Actuator LH
H 2 Headlight Beam Level Control Actuator RH
H 3 Headlight Cleaner Control Relay
H 4 Headlight Cleaner Motor
H 5 Headlight LH (High)
H 6 Headlight RH (High)
H 7 Heated Oxygen Sensor (Bank 1 Sensor 1) (1ZZ-FE, 3ZZ-FE)
H 7 Heated Oxygen Sensor (Bank 1 Sensor 1) (2AZ-FSE, 1AZ-FSE)
H 11 Horn LH
H 12 Horn RH

A 1
Gray

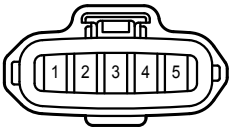


A 3
Black

A 4

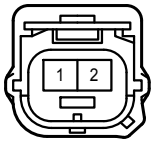
A 5

A 6
Black



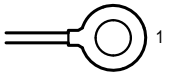
A 9
Yellow

A 10
Yellow

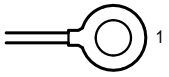


A 11
Black

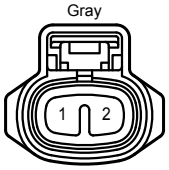
A 12
(1CD-FTV)



A 12
(Except 1CD-FTV)



B 1
Gray

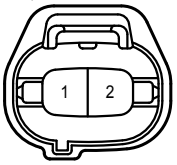


B 3
Black

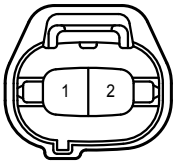
C 1
Black

C 2
Black

C 3
Black (2AD-FHV, 2AD-FTV)



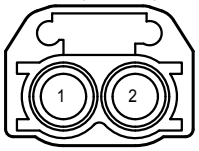
C 3
Gray (Except 2AD-FHV, 2AD-FTV)



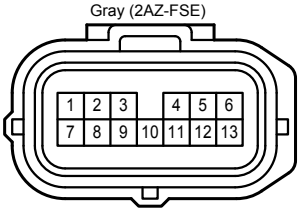
C 6
Gray (2AD-FHV, 2AD-FTV)

C 6
Gray (2AZ-FSE, 1AZ-FSE, 1AZ-FE, 1ZZ-FE, 3ZZ-FE)

C 6
Black (1CD-FTV)



E 1
Gray (2AZ-FSE)



E 1
Gray (Except 2AZ-FSE)

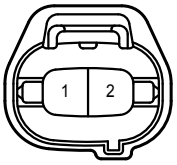
E 2
Gray (2AD-FHV, 2AD-FTV)

E 2
Gray (1CD-FTV)

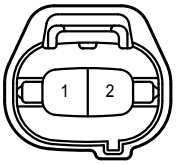
E 2
Gray (2AZ-FSE, 1AZ-FSE, 1ZZ-FE, 3ZZ-FE)

E 2
Gray (1AZ-FE)

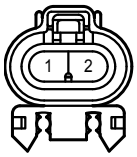
F 1
Black



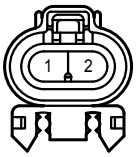
F 2
Black



F 3
Brown



F 4
Brown



F 5
Gray

F 6
Gray

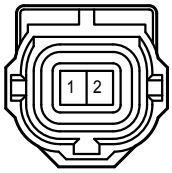
F 7

F 8

F 9

F 10

F 11
Black



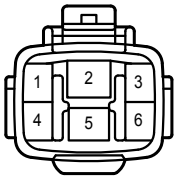
F 12
Black

F 13
Gray

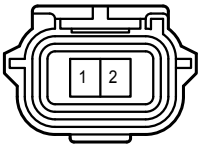
H 1
Gray

H 2
Gray

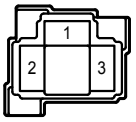
H 3
Black



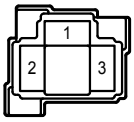
H 4
Black



H 5



H 6

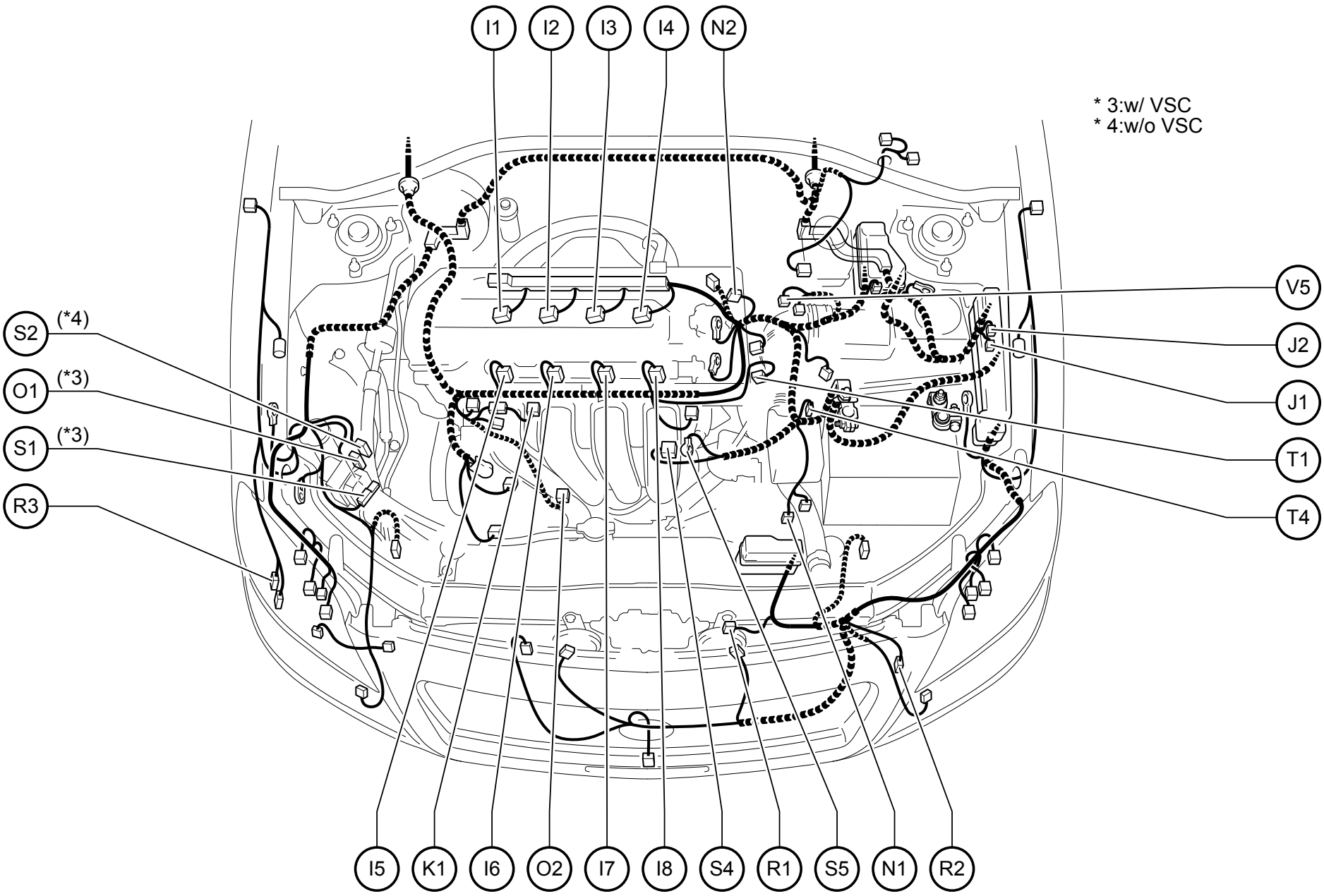


H 7
Gray (1ZZ-FE, 3ZZ-FE)

H 7
Gray (2AZ-FSE, 1AZ-FSE)

H 11
Black

H 12
Black


I1
I2
I3
I4
N2
* 3:w/ VSC
* 4:w/o VSC
V5
J2
J1
T1
T4
S2
(*4)
O1
(*3)
S1
(*3)
R3
I5
K1
I6
O2
I7
I8
S4
R1
S5
N1
R2

I 1 Ignition Coil and Igniter No.1
I 2 Ignition Coil and Igniter No.2
I 3 Ignition Coil and Igniter No.3
I 4 Ignition Coil and Igniter No.4
I 5 Injector No.1 (2AD-FTV)
I 5 Injector No.1 (2AD-FHV)
I 5 Injector No.1 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 5 Injector No.1 (2AZ-FSE, 1AZ-FSE)
I 6 Injector No.2 (2AD-FTV)
I 6 Injector No.2 (2AD-FHV)
I 6 Injector No.2 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 6 Injector No.2 (2AZ-FSE, 1AZ-FSE)
I 7 Injector No.3 (2AD-FTV)
I 7 Injector No.3 (2AD-FHV)
I 7 Injector No.3 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 7 Injector No.3 (2AZ-FSE, 1AZ-FSE)
I 8 Injector No.4 (2AD-FTV)
I 8 Injector No.4 (2AD-FHV)
I 8 Injector No.4 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 8 Injector No.4 (2AZ-FSE, 1AZ-FSE)

J 1 Junction Connector
J 2 Junction Connector

K 1 Knock Sensor (Bank 1)

N 1 Neutral Start SW
N 2 Noise Filter (Ignition)

O 1 Oil Pressure Sensor
O 2 Oil Pressure SW

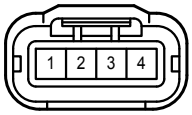
R 1 Radiator Fan Motor
R 2 Radiator Fan Resistor
R 3 Rear Washer Motor

S 1 Skid Control ECU with Actuator
S 2 Skid Control ECU with Actuator
S 4 Starter
S 5 Starter (2AD-FHV, 2AD-FTV)
S 5 Starter (2AZ-FSE, 1AZ-FSE, 1AZ-FE)
S 5 Starter (1ZZ-FE, 3ZZ-FE)
S 5 Starter (1CD-FTV)

T 1 Throttle Control Motor and Position Sensor
T 4 Turbine Speed Sensor

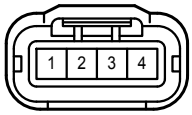
V 5 VSV (EVAP)

I 1
Black



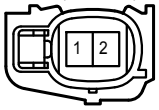
I 2
Gray

I 3
Black

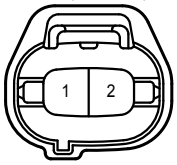


I 4
Gray

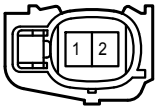
I 5
Black (2AD-FTV)



I 5
Black (2AD-FHV)

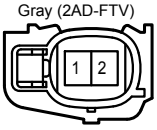


I 5
Black (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)

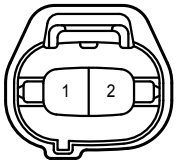


I 5
Black (2AZ-FSE, 1AZ-FSE)

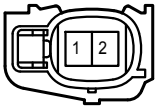
I 6
Gray (2AD-FTV)



I 6
Gray (2AD-FHV)

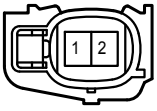


I 6
Gray (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)

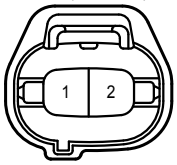


I 6
Gray (2AZ-FSE, 1AZ-FSE)

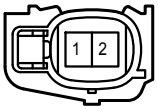
I 7
Black (2AD-FTV)



I 7
Black (2AD-FHV)

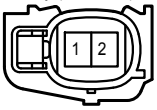


I 7
Black (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)

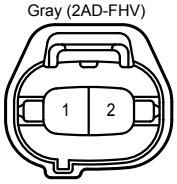


I 7
Black (2AZ-FSE, 1AZ-FSE)

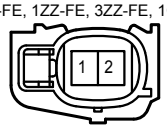
I 8
Gray (2AD-FTV)



I 8
Gray (2AD-FHV)

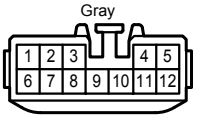


I 8
Gray (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)

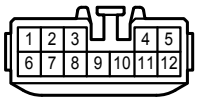


I 8
Gray (2AZ-FSE, 1AZ-FSE)

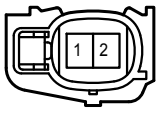
J 1
Gray



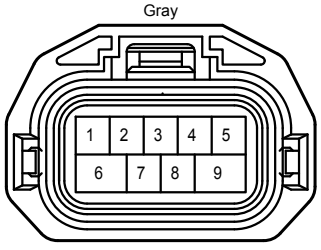
J 2
Black



K 1
Black

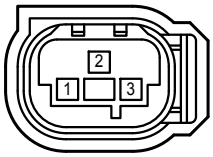


N 1
Gray



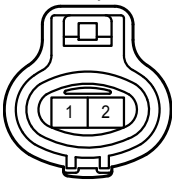
N 2
Gray

O 1
Black

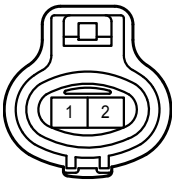


O 2
Gray

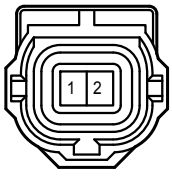
R 1
Gray



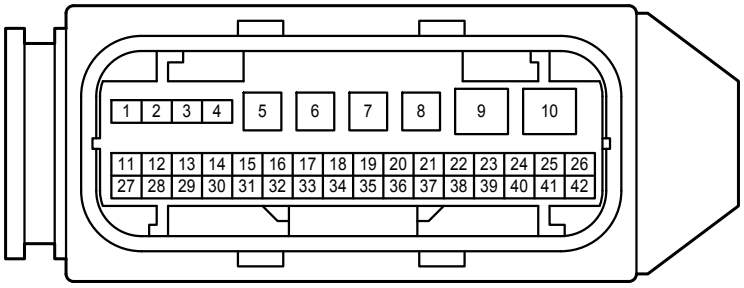
R 2
Black



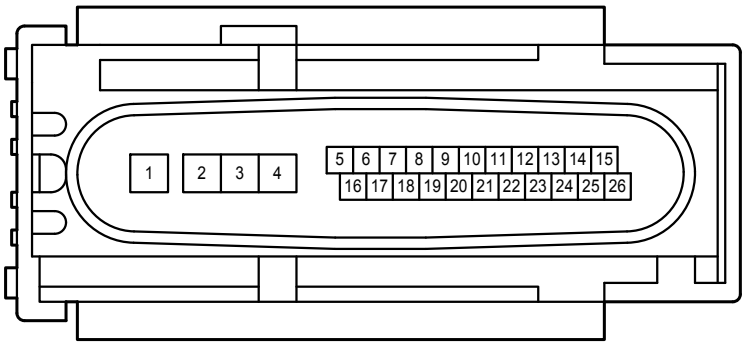
R 3
Red



S 1
Black

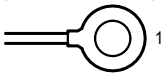


S 2
Black

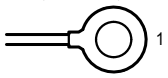


S 4
Black

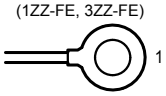
S 5
(2AD-FHV, 2AD-FTV)



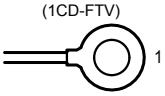
S 5
(2AZ-FSE, 1AZ-FSE, 1AZ-FE)



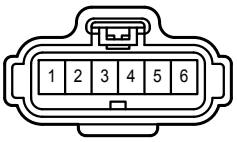
S 5
(1ZZ-FE, 3ZZ-FE)



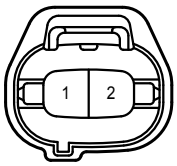
S 5
(1CD-FTV)



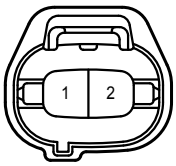
T 1
Black

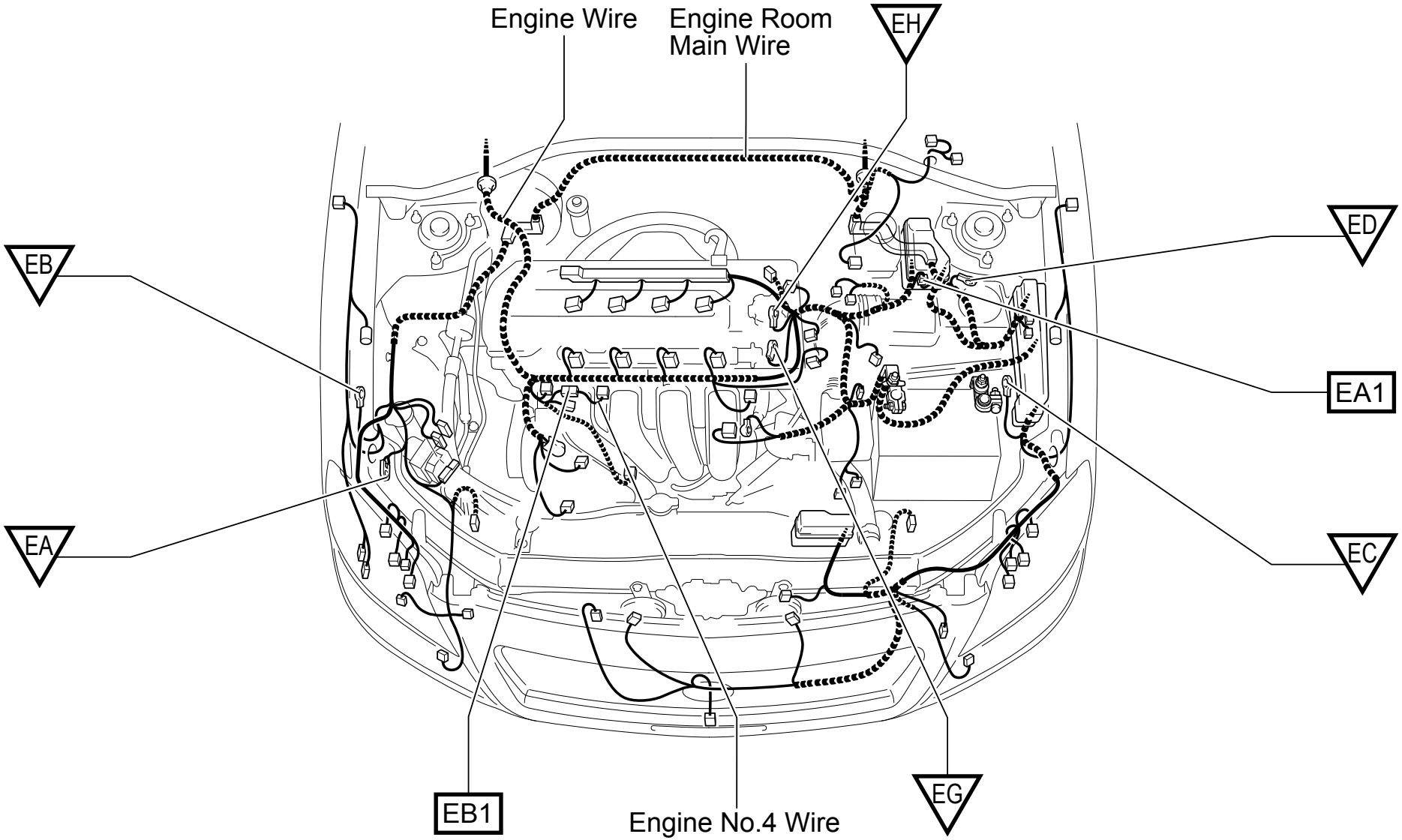


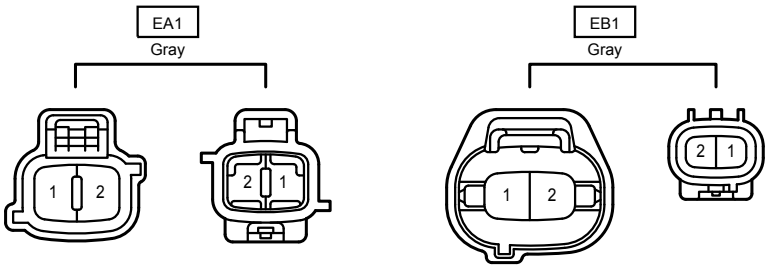
T 4
Black

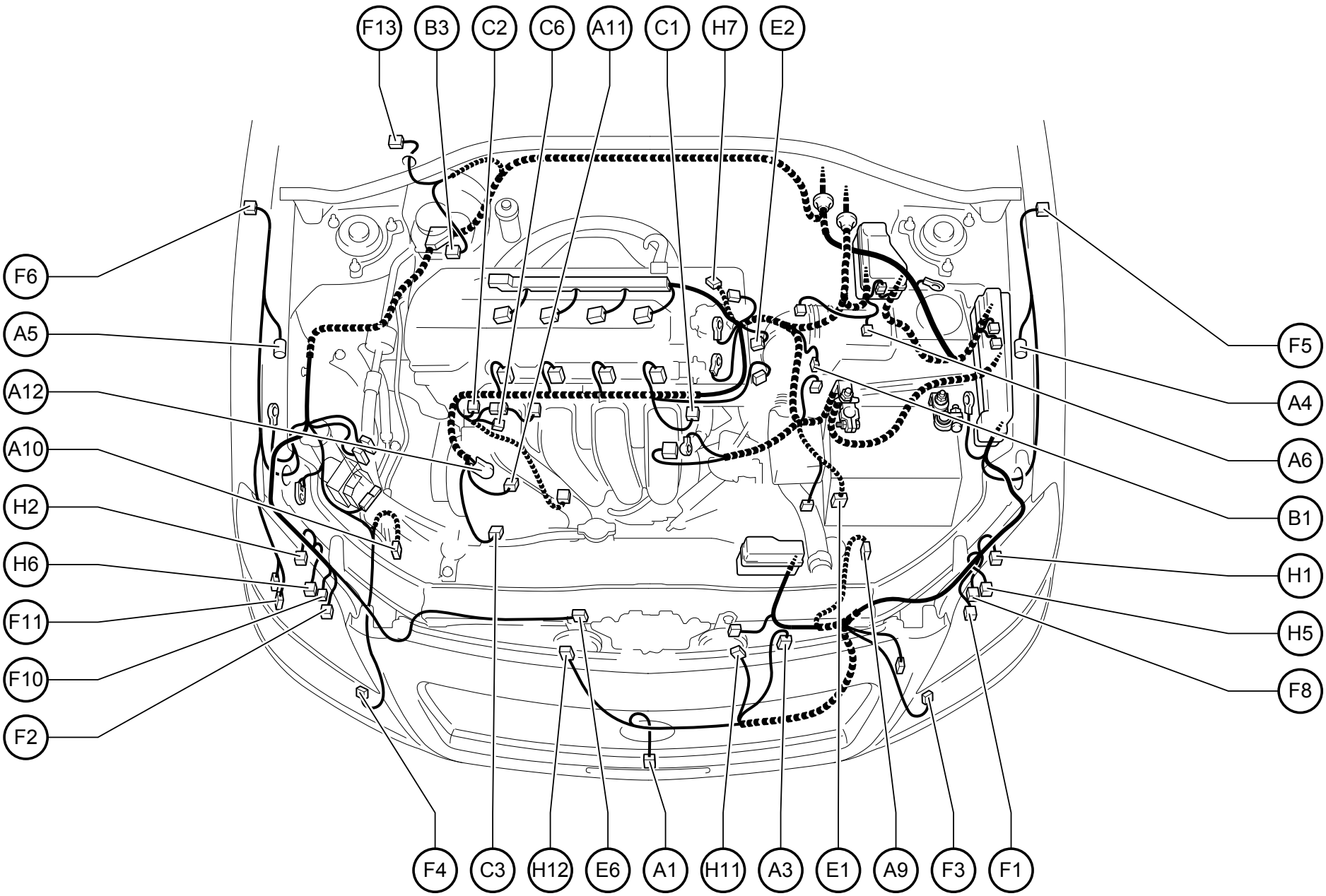


V 5
Blue




Engine Wire
Engine Room Main Wire
EH
ED
EB
EA1
EA
EC
EB1
Engine No.4 Wire
EG


EA1
Gray
1
2
2
1
EB1
Gray
1
2
2
1


F13
B3
C2
C6
A11
C1
H7
E2
F6
A5
A12
A10
H2
H6
F11
F10
F2
F5
A4
A6
B1
H1
H5
F8
F4
C3
H12
E6
A1
H11
A3
E1
A9
F3
F1

A 1 A/C Ambient Temp. Sensor
A 3 A/C Pressure Sensor
A 4 ABS Speed Sensor Front LH
A 5 ABS Speed Sensor Front RH
A 6 Air Flow Meter
A 9 Airbag Sensor Front LH
A 10 Airbag Sensor Front RH
A 11 Alternator
A 12 Alternator (1CD-FTV)
A 12 Alternator (Except 1CD-FTV)

B 1 Back-Up Light SW
B 3 Brake Fluid Level Warning SW

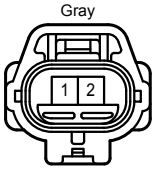
C 1 Camshaft Position Sensor
C 2 Camshaft Timing Oil Control Valve
C 3 Compressor Assembly (2AD-FHV, 2AD-FTV)
C 3 Compressor Assembly (Except 2AD-FHV, 2AD-FTV)
C 6 Crankshaft Position Sensor (2AD-FHV, 2AD-FTV)
C 6 Crankshaft Position Sensor (2AZ-FSE, 1AZ-FSE, 1AZ-FE, 1ZZ-FE, 3ZZ-FE)
C 6 Crankshaft Position Sensor (1CD-FTV)

E 1 ECT Solenoid (2AZ-FSE)
E 1 ECT Solenoid (Except 2AZ-FSE)
E 2 EFI Water Temp. Sensor (2AD-FHV, 2AD-FTV)
E 2 EFI Water Temp. Sensor (1CD-FTV)
E 2 EFI Water Temp. Sensor (2AZ-FSE, 1AZ-FSE, 1ZZ-FE, 3ZZ-FE)
E 2 EFI Water Temp. Sensor (1AZ-FE)
E 6 Engine Hood Courtesy SW

F 1 Front Clearance Light LH
F 2 Front Clearance Light RH
F 3 Front Fog Light LH
F 4 Front Fog Light RH
F 5 Front Side Turn Signal Light LH
F 6 Front Side Turn Signal Light RH
F 8 Front Turn Signal Light LH , Headlight LH (Low)
F 10 Front Turn Signal Light RH , Headlight RH (Low)
F 11 Front Washer Motor
F 13 Front Wiper Motor

H 1 Headlight Beam Level Control Actuator LH
H 2 Headlight Beam Level Control Actuator RH
H 5 Headlight LH (High)
H 6 Headlight RH (High)
H 7 Heated Oxygen Sensor (Bank 1 Sensor 1) (1ZZ-FE, 3ZZ-FE)
H 7 Heated Oxygen Sensor (Bank 1 Sensor 1) (2AZ-FSE, 1AZ-FSE)
H 11 Horn LH
H 12 Horn RH

A 1
Gray

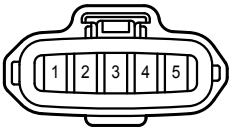


A 3
Black

A 4

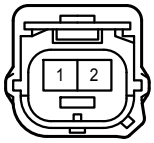
A 5

A 6
Black



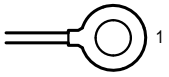
A 9
Yellow

A 10
Yellow

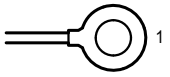


A 11
Black

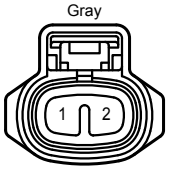
A 12
(1CD-FTV)



A 12
(Except 1CD-FTV)



B 1
Gray

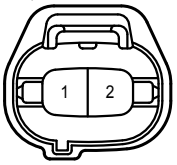


B 3
Black

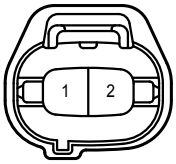
C 1
Black

C 2
Black

C 3
Black (2AD-FHV, 2AD-FTV)



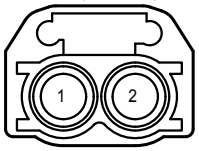
C 3
Gray (Except 2AD-FHV, 2AD-FTV)



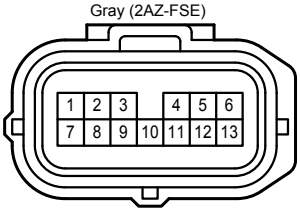
C 6
Gray (2AD-FHV, 2AD-FTV)

C 6
Gray (2AZ-FSE, 1AZ-FSE, 1AZ-FE, 1ZZ-FE, 3ZZ-FE)

C 6
Black (1CD-FTV)



E 1
Gray (2AZ-FSE)



E 1
Gray (Except 2AZ-FSE)

E 2
Gray (2AD-FHV, 2AD-FTV)

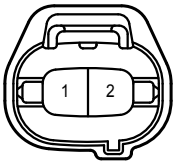
E 2
Gray (1CD-FTV)

E 2
Gray (2AZ-FSE, 1AZ-FSE, 1ZZ-FE, 3ZZ-FE)

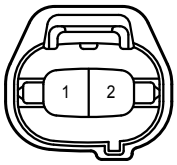
E 2
Gray (1AZ-FE)

E 6
Black

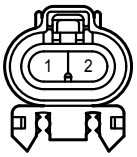
F 1
Black



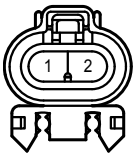
F 2
Black



F 3
Brown



F 4
Brown



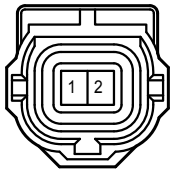
F 5
Gray

F 6
Gray

F 8

F 10

F 11
Black

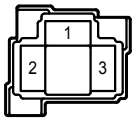


F 13
Gray

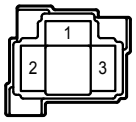
H 1
Gray

H 2
Gray

H 5



H 6

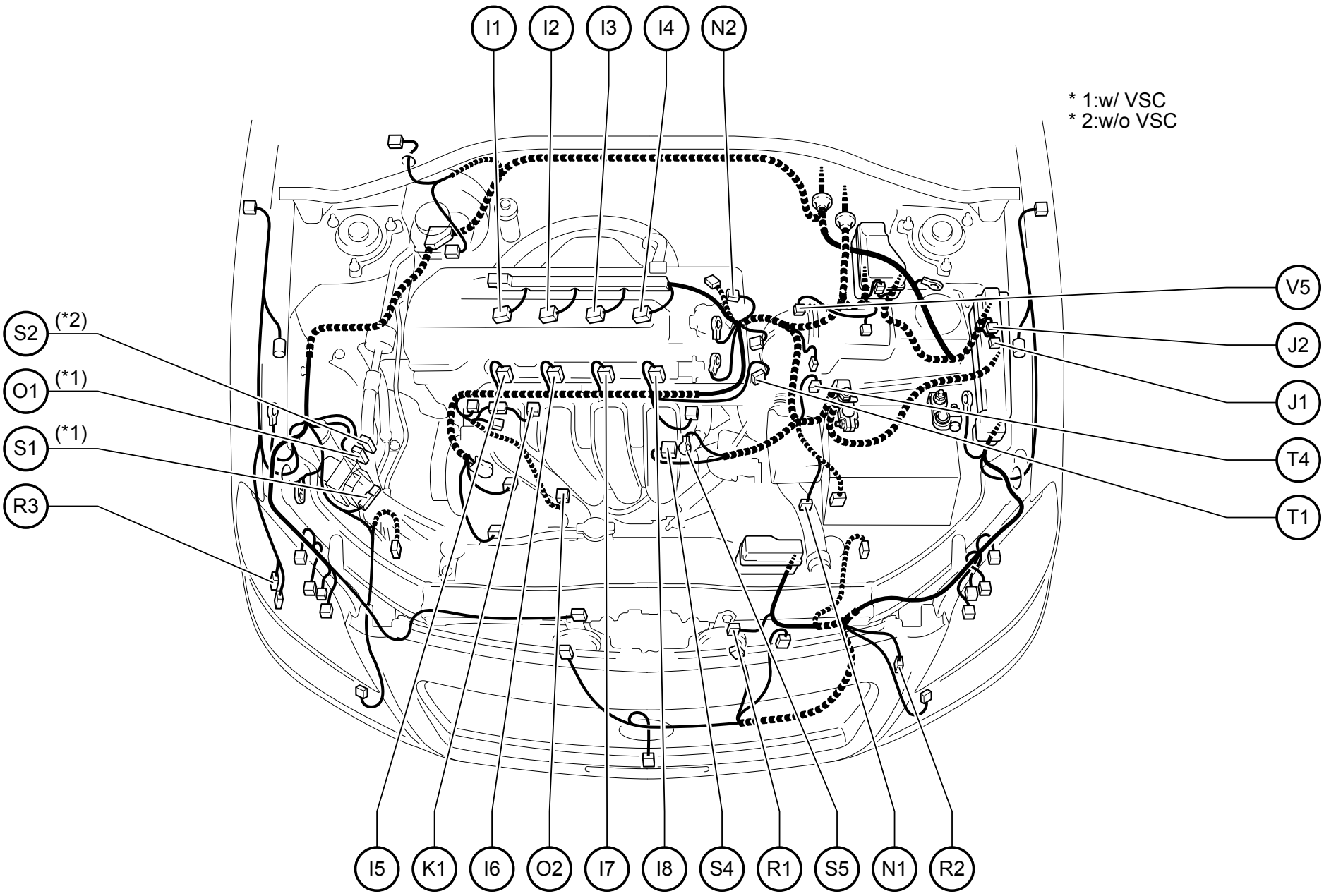


H 7
Gray (1ZZ-FE, 3ZZ-FE)

H 7
Gray (2AZ-FSE, 1AZ-FSE)

H 11
Black

H 12
Black


I1
I2
I3
I4
N2
* 1:w/ VSC
* 2:w/o VSC
V5
J2
J1
T4
T1
S2
(*2)
O1
(*1)
S1
(*1)
R3
I5
K1
I6
O2
I7
I8
S4
R1
S5
N1
R2

I 1 Ignition Coil and Igniter No.1
I 2 Ignition Coil and Igniter No.2
I 3 Ignition Coil and Igniter No.3
I 4 Ignition Coil and Igniter No.4
I 5 Injector No.1 (2AD-FTV)
I 5 Injector No.1 (2AD-FHV)
I 5 Injector No.1 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 5 Injector No.1 (2AZ-FSE, 1AZ-FSE)
I 6 Injector No.2 (2AD-FTV)
I 6 Injector No.2 (2AD-FHV)
I 6 Injector No.2 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 6 Injector No.2 (2AZ-FSE, 1AZ-FSE)
I 7 Injector No.3 (2AD-FTV)
I 7 Injector No.3 (2AD-FHV)
I 7 Injector No.3 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 7 Injector No.3 (2AZ-FSE, 1AZ-FSE)
I 8 Injector No.4 (2AD-FTV)
I 8 Injector No.4 (2AD-FHV)
I 8 Injector No.4 (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)
I 8 Injector No.4 (2AZ-FSE, 1AZ-FSE)

J 1 Junction Connector
J 2 Junction Connector

K 1 Knock Sensor (Bank 1)

N 1 Neutral Start SW
N 2 Noise Filter (Ignition)

O 1 Oil Pressure Sensor
O 2 Oil Pressure SW

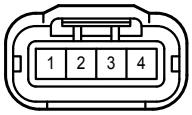
R 1 Radiator Fan Motor
R 2 Radiator Fan Resistor
R 3 Rear Washer Motor

S 1 Skid Control ECU with Actuator
S 2 Skid Control ECU with Actuator
S 4 Starter
S 5 Starter (2AD-FHV, 2AD-FTV)
S 5 Starter (2AZ-FSE, 1AZ-FSE, 1AZ-FE)
S 5 Starter (1ZZ-FE, 3ZZ-FE)
S 5 Starter (1CD-FTV)

T 1 Throttle Control Motor and Position Sensor
T 4 Turbine Speed Sensor

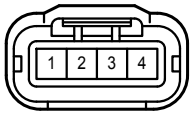
V 5 VSV (EVAP)

I 1
Black



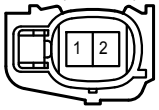
I 2
Gray

I 3
Black

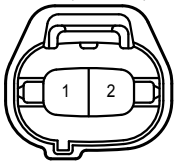


I 4
Gray

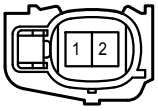
I 5
Black (2AD-FTV)



I 5
Black (2AD-FHV)

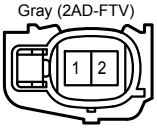


I 5
Black (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)

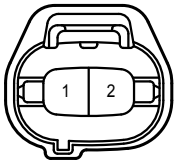


I 5
Black (2AZ-FSE, 1AZ-FSE)

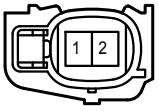
I 6
Gray (2AD-FTV)



I 6
Gray (2AD-FHV)

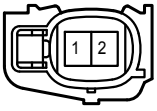


I 6
Gray (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)

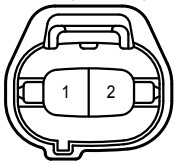


I 6
Gray (2AZ-FSE, 1AZ-FSE)

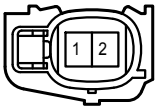
I 7
Black (2AD-FTV)



I 7
Black (2AD-FHV)

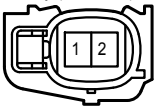


I 7
Black (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)

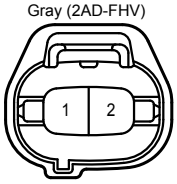


I 7
Black (2AZ-FSE, 1AZ-FSE)

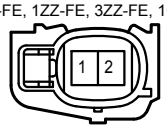
I 8
Gray (2AD-FTV)



I 8
Gray (2AD-FHV)

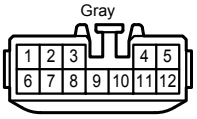


I 8
Gray (1AZ-FE, 1ZZ-FE, 3ZZ-FE, 1CD-FTV)

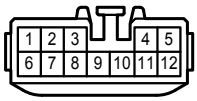


I 8
Gray (2AZ-FSE, 1AZ-FSE)

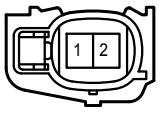
J 1
Gray



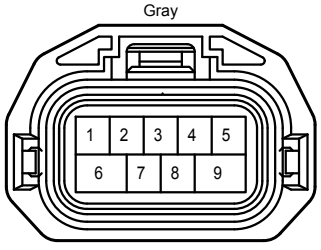
J 2
Black



K 1
Black

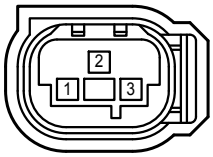


N 1
Gray



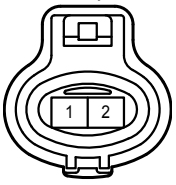
N 2
Gray

O 1
Black

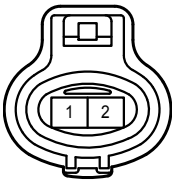


O 2
Gray

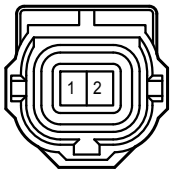
R 1
Gray



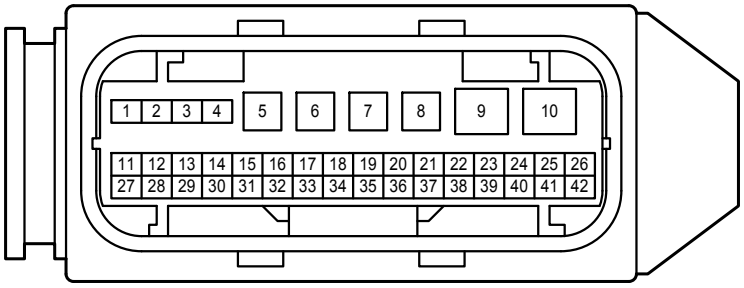
R 2
Black



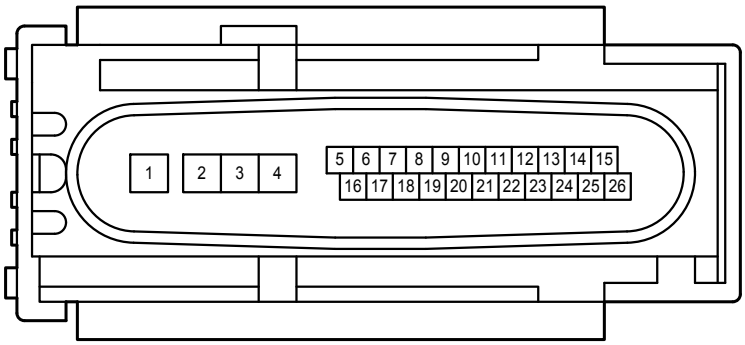
R 3
Red



S 1
Black

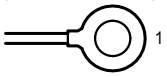


S 2
Black

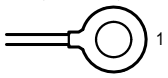


S 4
Black

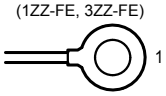
S 5
(2AD-FHV, 2AD-FTV)



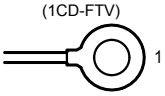
S 5
(2AZ-FSE, 1AZ-FSE, 1AZ-FE)



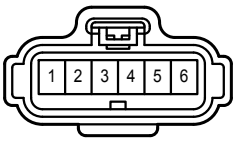
S 5
(1ZZ-FE, 3ZZ-FE)



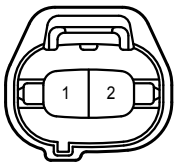
S 5
(1CD-FTV)



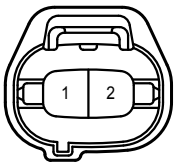
T 1
Black

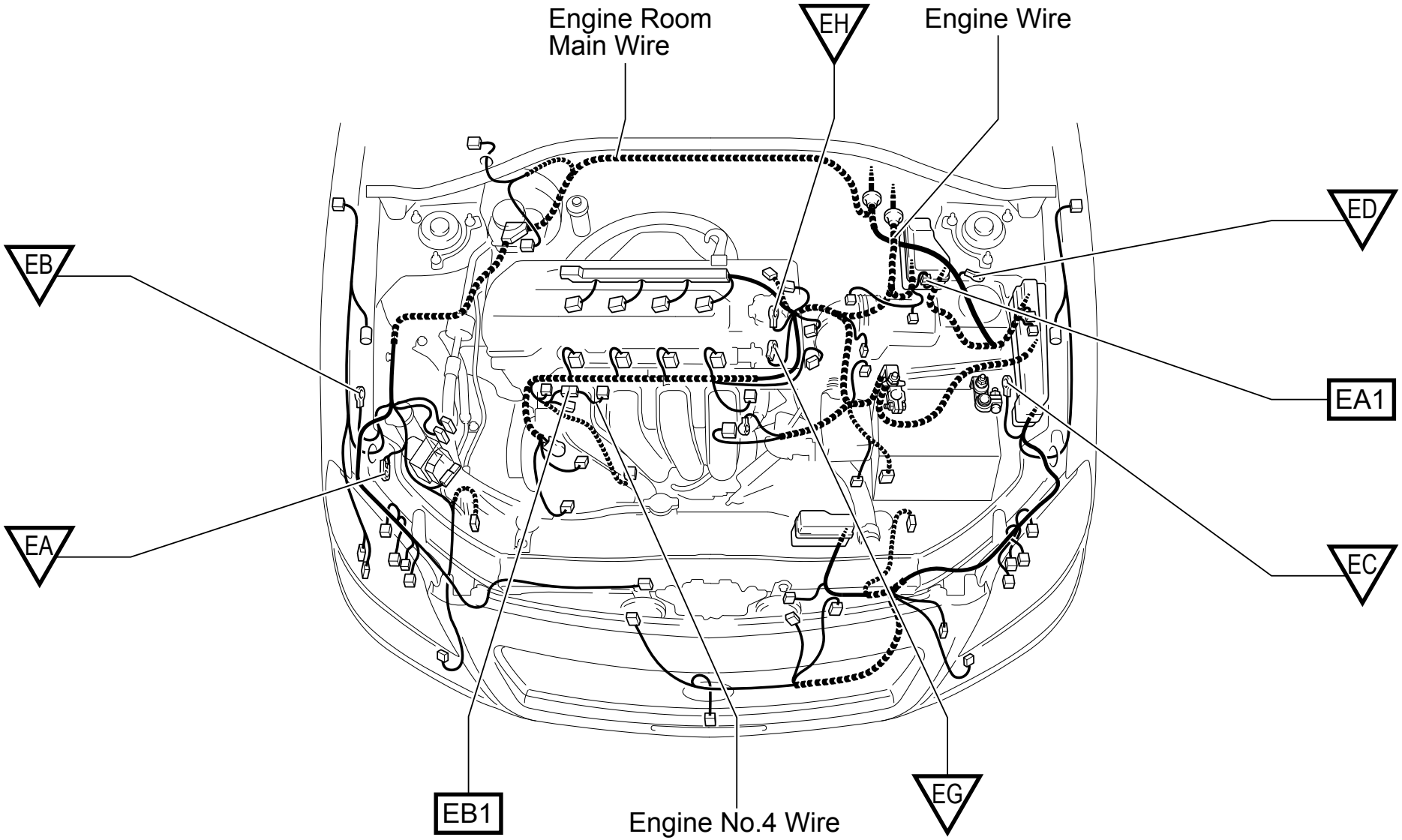


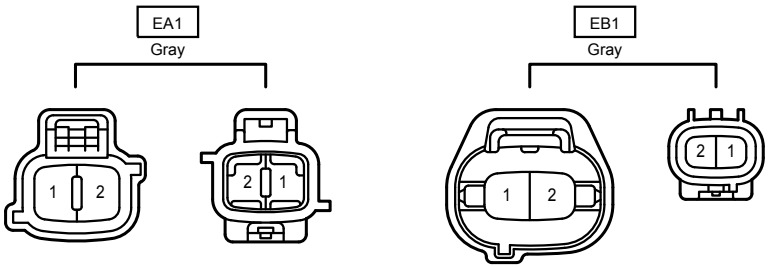
T 4
Black

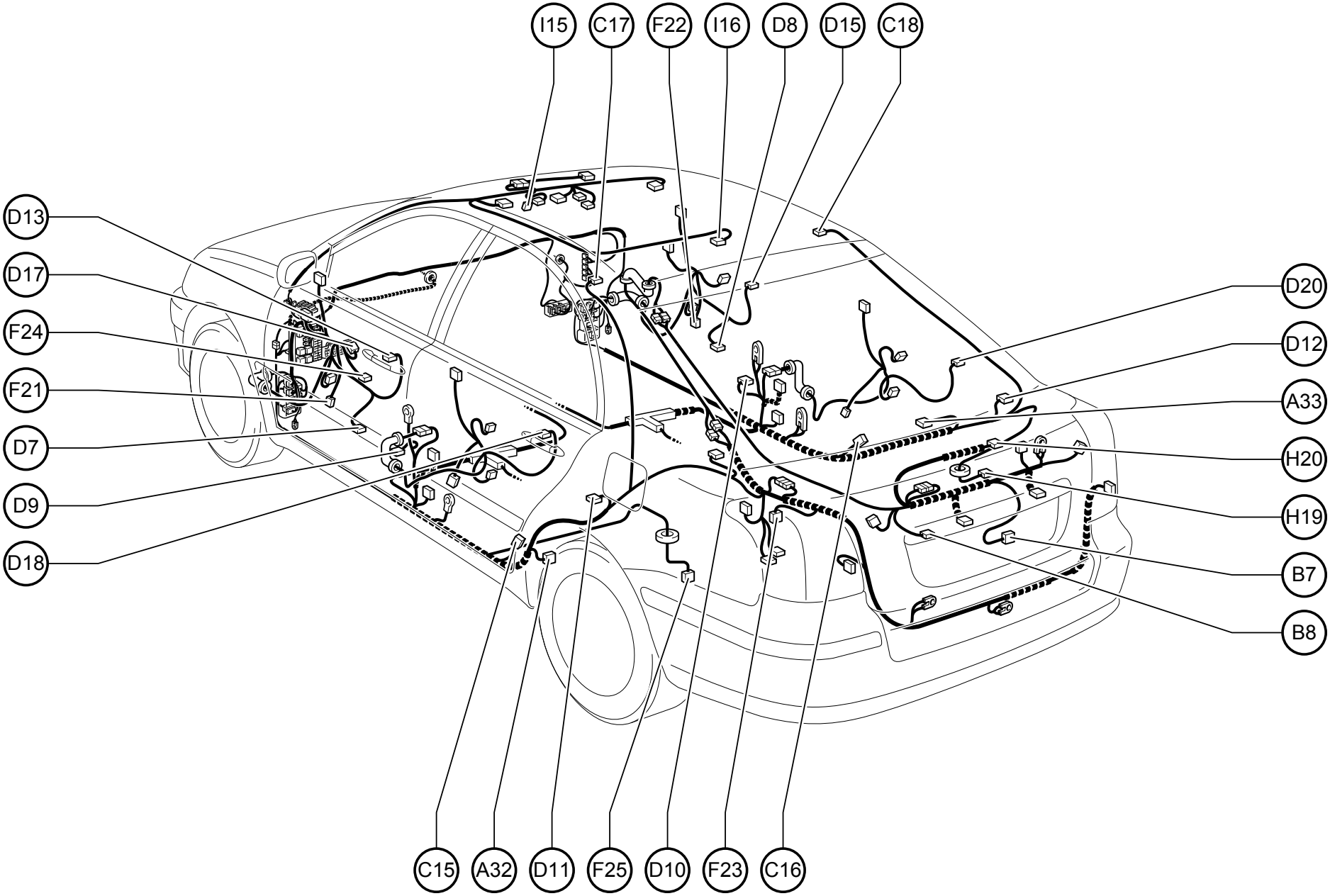


V 5
Blue




Engine Room
Main Wire
EH
Engine Wire
ED
EB
EA1
EA
EC
EB1
Engine No.4 Wire
EG


EA1
Gray
1
2
2
1
EB1
Gray
1
2
2
1


I15
C17
F22
I16
D8
D15
C18
D13
D17
F24
F21
D7
D9
D18
D20
D12
A33
H20
H19
B7
B8
C15
A32
D11
F25
D10
F23
C16

A 32 ABS Speed Sensor Rear LH
A 33 ABS Speed Sensor Rear RH

B 7 Back Door Courtesy SW , Back Door Lock Motor (W/G)
B 7 Back Door Courtesy SW , Back Door Lock Motor (L/B)
B 8 Back Door Opener SW

C 15 Curtain Shield Airbag Sensor LH
C 16 Curtain Shield Airbag Sensor RH
C 17 Curtain Shield Airbag Squib LH
C 18 Curtain Shield Airbag Squib RH

D 7 Door Courtesy Light LH
D 8 Door Courtesy Light RH
D 9 Door Courtesy SW Front LH
D 10 Door Courtesy SW Front RH
D 11 Door Courtesy SW Rear LH
D 12 Door Courtesy SW Rear RH
D 13 Door Key Lock and Unlock SW (Driver's Side) , Door Lock Control Motor (Driver's Side) , Door Unlock Detection SW (Driver's Side)
D 15 Door Lock Control Motor (Front Passenger's Side)
D 17 Door Lock Control SW , Power Window Master SW
D 18 Door Lock Motor Rear LH
D 20 Door Lock Motor Rear RH

F 21 Front Door Speaker LH
F 22 Front Door Speaker RH
F 23 Fuel Lid Opener Motor
F 24 Fuel Lid Opener SW
F 25 Fuel Pump , Fuel Sender

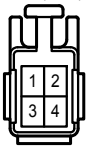
H 19 Height Control Sensor (Rear)
H 20 High Mounted Stop Light (W/G)
H 20 High Mounted Stop Light (S/D)
H 20 High Mounted Stop Light (L/B)

I 15 Inner Mirror
I 16 Interior Light

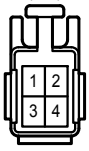
A 32

A 33

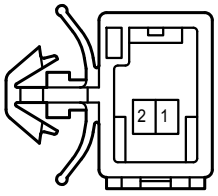
B 7
Blue (W/G)



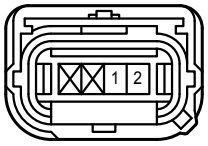
B 7
(L/B)



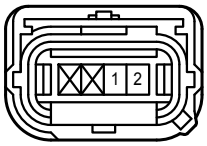
B 8



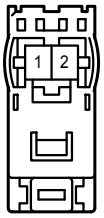
C 15
Yellow



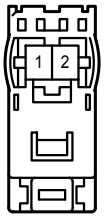
C 16
Yellow



C 17
Black



C 18
Black



D 7

D 8

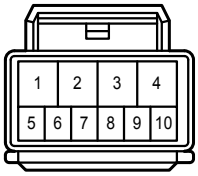
D 9

D 10

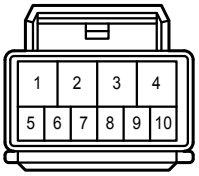
D 11

D 12

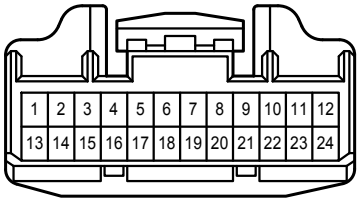
D 13



D 15

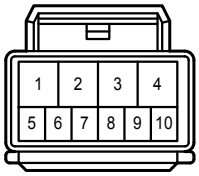


D 17

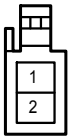


D 18

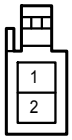
D 20



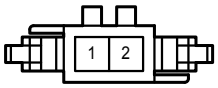
F 21
Black



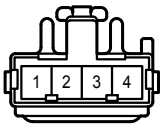
F 22
Black



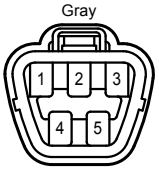
F 23
Black



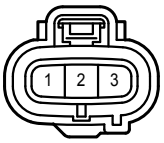
F 24



F 25
Gray

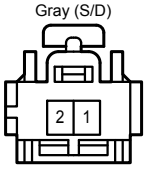


H 19
Black



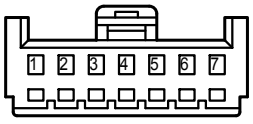
H 20
Black (W/G)

H 20
Gray (S/D)

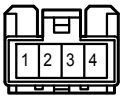


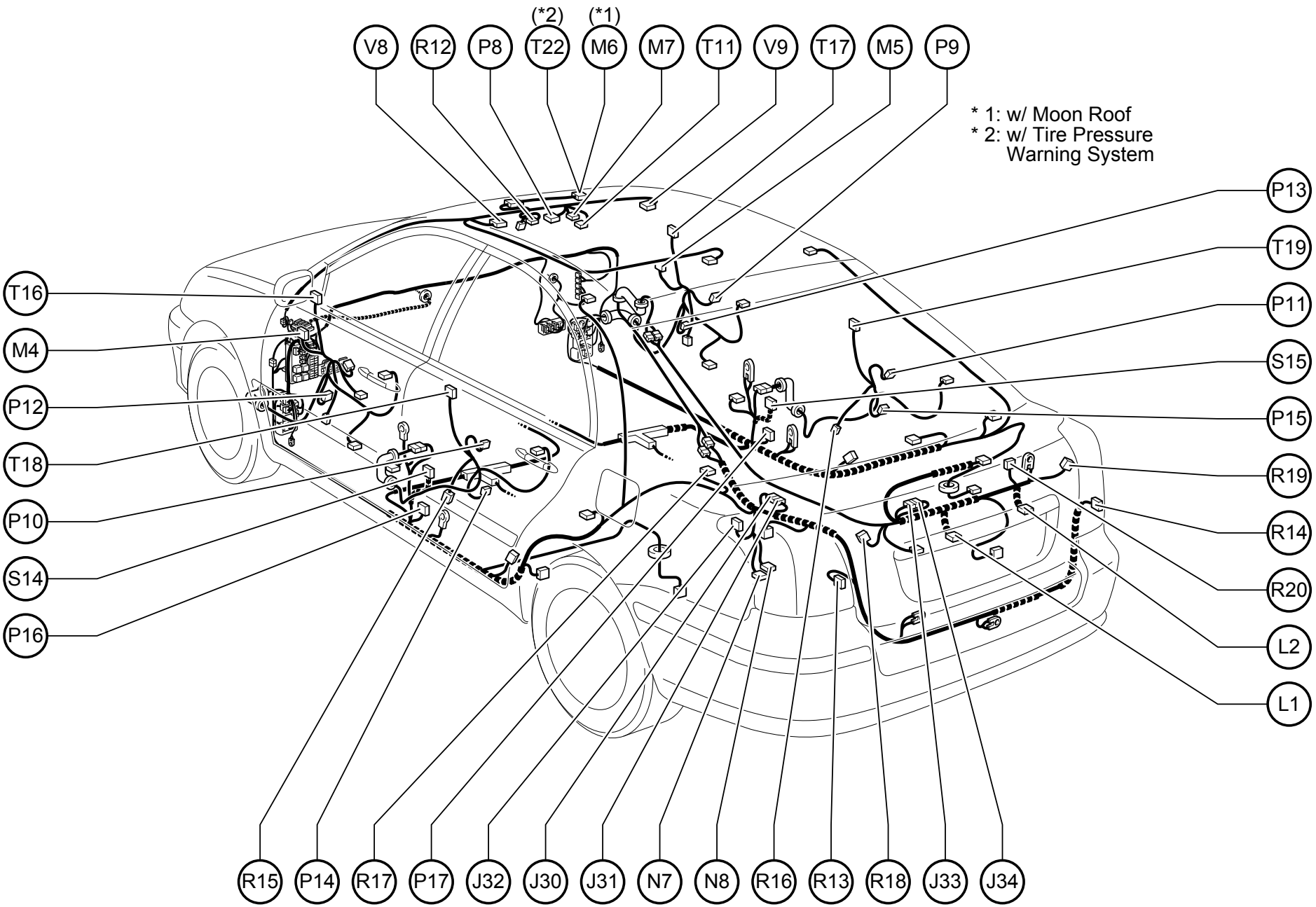
H 20
(L/B)

I 15
Black



I 16




(*2)
(*1)
V8
R12
P8
T22
M6
M7
T11
V9
T17
M5
P9
* 1: w/ Moon Roof
* 2: w/ Tire Pressure Warning System
P13
T19
P11
S15
P15
R19
R14
R20
L2
L1
T16
M4
P12
T18
P10
S14
P16
R15
P14
R17
P17
J32
J30
J31
N7
N8
R16
R13
R18
J33
J34

J 30 Junction Connector
J 31 Junction Connector
J 32 Junction Connector
J 33 Junction Connector
J 34 Junction Connector

L 1 License Plate Light LH
L 2 License Plate Light RH

M 4 Mirror Heater LH , Remote Control Mirror LH
M 5 Mirror Heater RH , Remote Control Mirror RH
M 6 Moon Roof Control Relay and Motor
M 7 Moon Roof Control SW

N 7 Noise Filter (Rear Window Defogger No.2)
N 8 Noise Filter (Stop Light)

P 8 Personal Light
P 9 Power Window Control SW (Front Passenger Side)
P 10 Power Window Control SW Rear LH
P 11 Power Window Control SW Rear RH
P 12 Power Window Motor Front LH
P 13 Power Window Motor Front RH
P 14 Power Window Motor Rear LH
P 15 Power Window Motor Rear RH
P 16 Pretensioner LH
P 17 Pretensioner RH

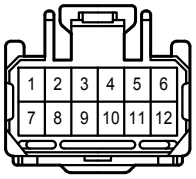
R 12 Rain Sensor
R 13 Rear Combination Light LH (W/G)
R 13 Rear Combination Light LH (Except W/G)
R 14 Rear Combination Light RH (W/G)
R 14 Rear Combination Light RH (Except W/G)
R 15 Rear Door Speaker LH
R 16 Rear Door Speaker RH
R 17 Rear Interior Light (Except S/D)
R 18 Rear Window Defogger (S/D, W/G)
R 18 Rear Window Defogger (L/B)
R 19 Rear Window Defogger (W/G)
R 19 Rear Window Defogger (S/D)
R 19 Rear Window Defogger (L/B)
R 20 Rear Wiper Motor and Relay

S 14 Side Airbag Sensor LH (w/o Curtain Shield Airbag)
S 14 Side Airbag Sensor LH (w/ Curtain Shield Airbag)
S 15 Side Airbag Sensor RH (w/o Curtain Shield Airbag)
S 15 Side Airbag Sensor RH (w/ Curtain Shield Airbag)

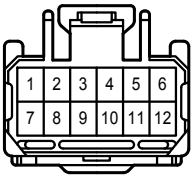
T 11 Telephone Microphone Amplifier
T 16 Tweeter Front LH
T 17 Tweeter Front RH
T 18 Tweeter Rear LH
T 19 Tweeter Rear RH
T 22 Tire Pressure Monitor Receiver

V 8 Vanity Light LH
V 9 Vanity Light RH

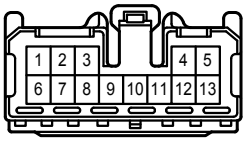
J 30



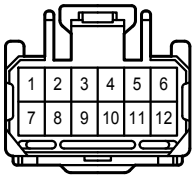
J 31



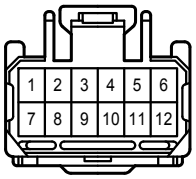
J 32



J 33



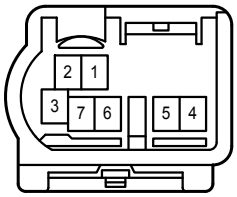
J 34



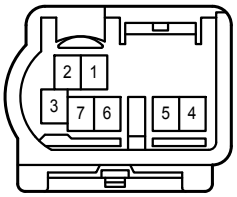
L 1
Black

L 2
Black

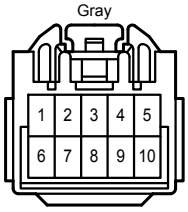
M 4



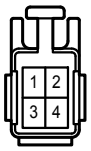
M 5



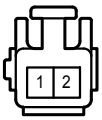
M 6
Gray



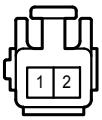
M 7



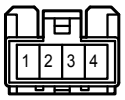
N 7



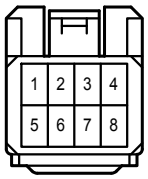
N 8



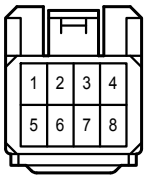
P 8



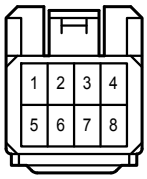
P 9



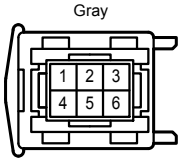
P 10



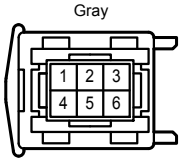
P 11



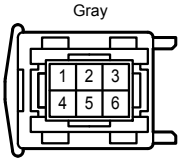
P 12
Gray



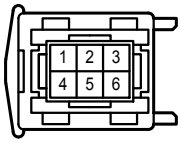
P 13
Gray



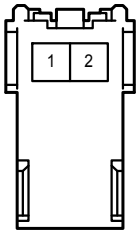
P 14
Gray



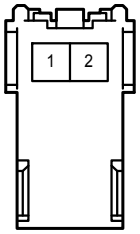
P 15
Gray



P 16
Yellow

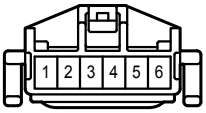


P 17
Yellow

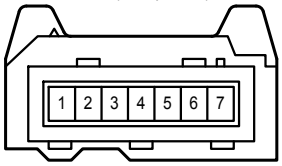


R 12
Black

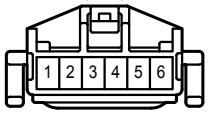
R 13
(W/G)



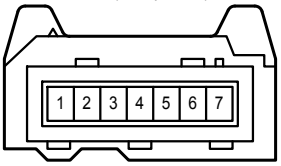
R 13
Black (Except W/G)



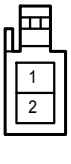
R 14
(W/G)



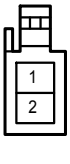
R 14
Black (Except W/G)



R 15
Black

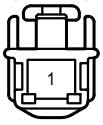


R 16
Black



R 17
(Except S/D)

R 18
(S/D, W/G)



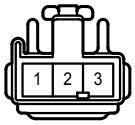
R 18
(L/B)

R 19
(W/G)

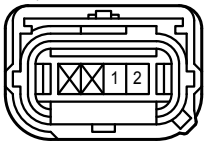
R 19
(S/D)

R 19
(L/B)

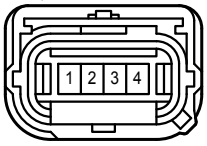
R 20
Black



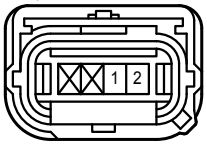
S 14
Yellow (w/o Curtain Shield Airbag)



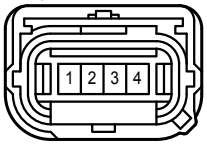
S 14
Yellow (w/ Curtain Shield Airbag)



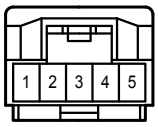
S 15
Yellow (w/o Curtain Shield Airbag)



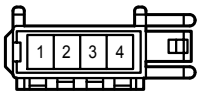
S 15
Yellow (w/ Curtain Shield Airbag)



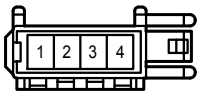
T 11



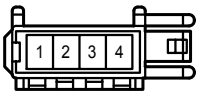
T 16



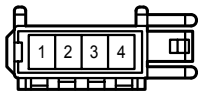
T 17



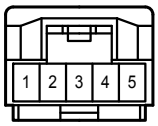
T 18



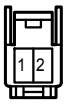
T 19



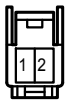
T 22

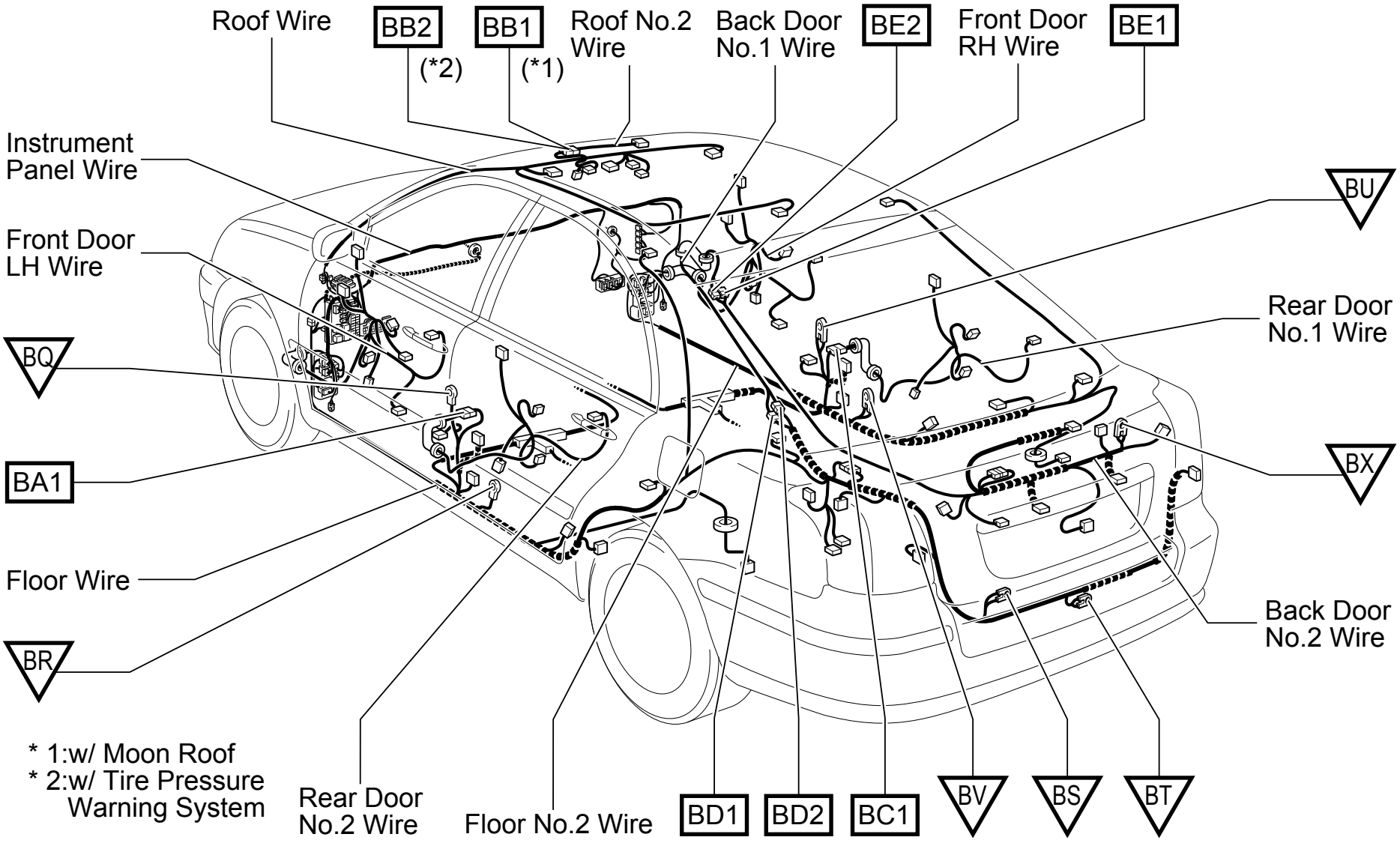


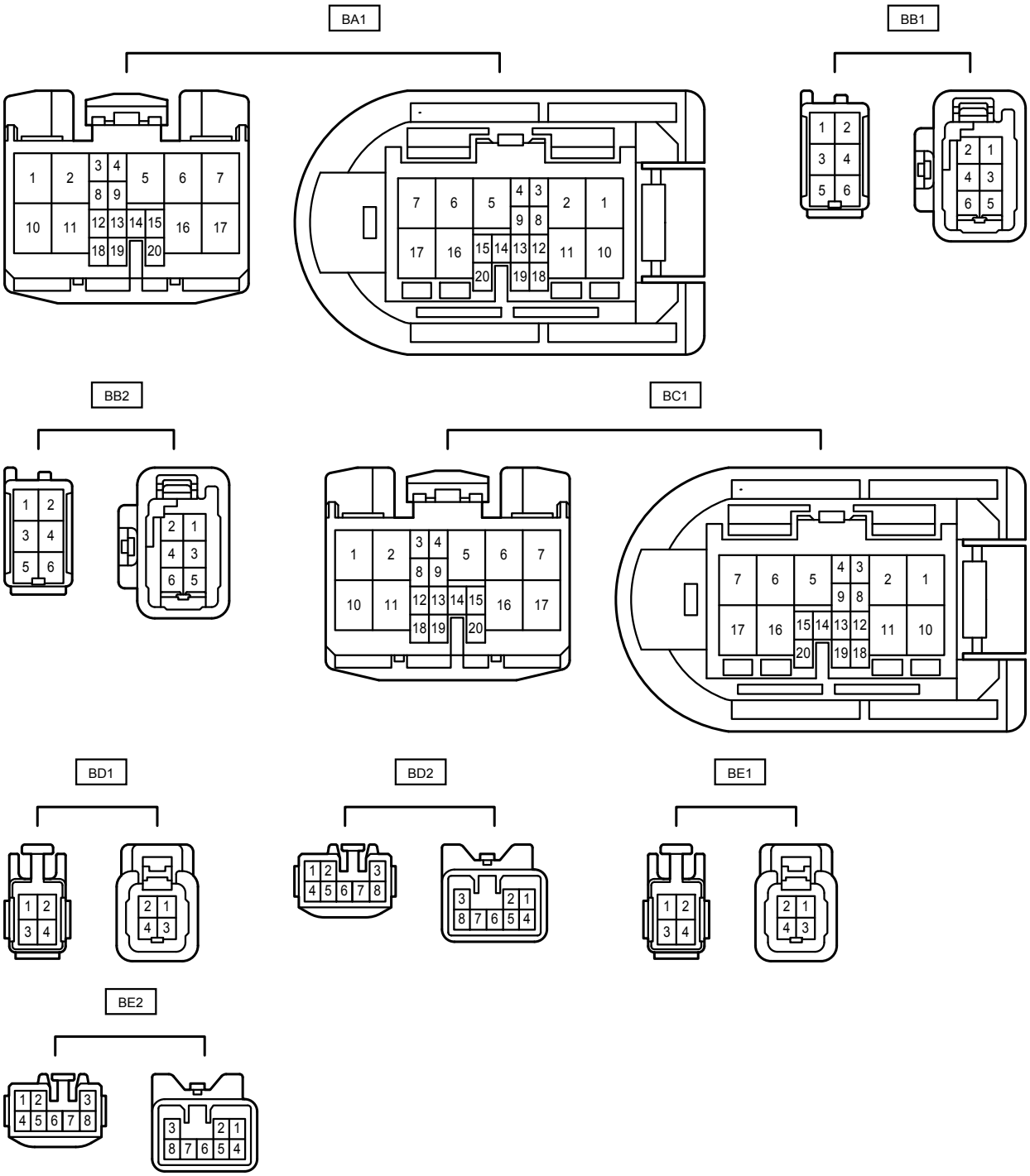
V 8

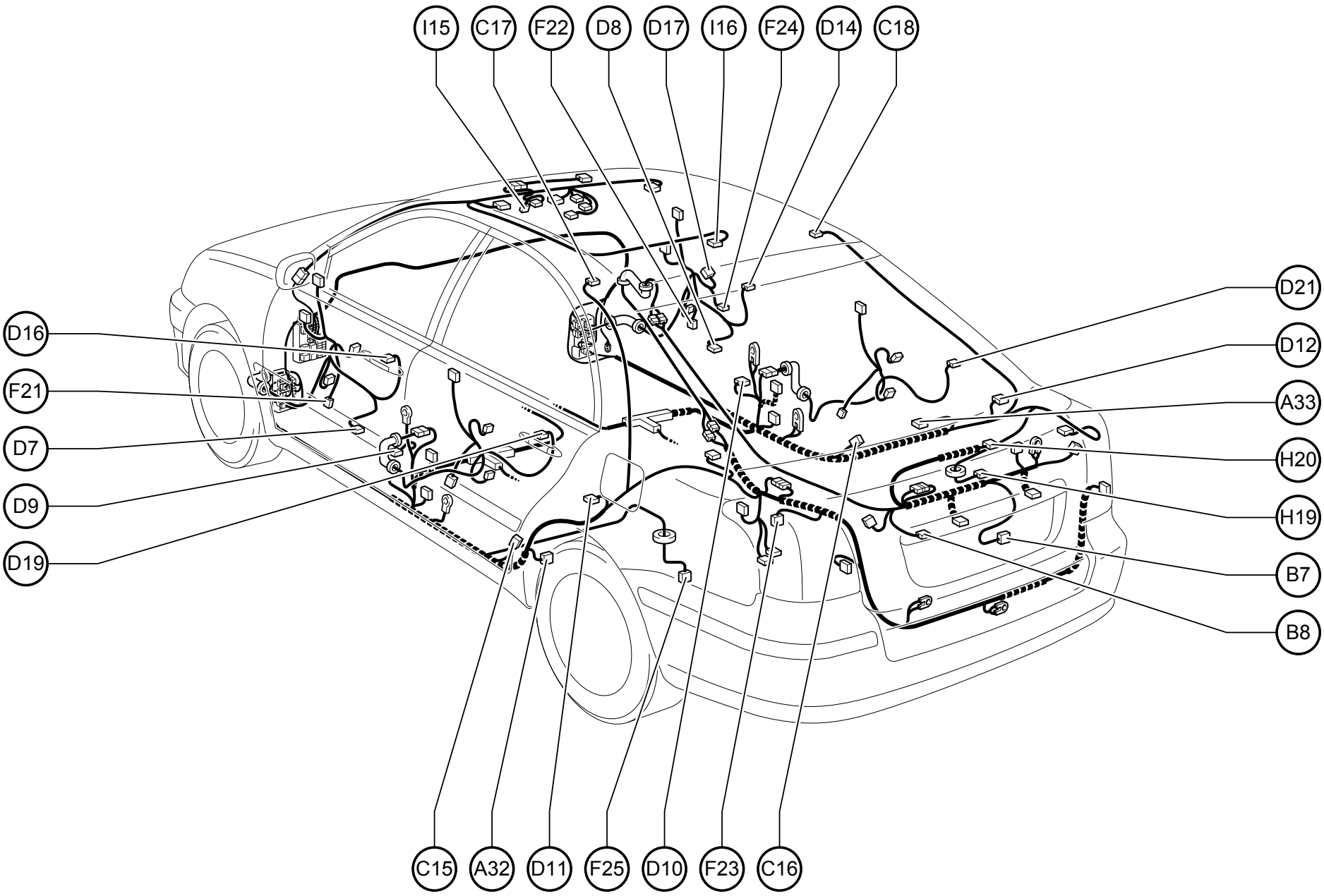


V 9




Roof Wire
BB2
(*2)
BB1
(*1)
Roof No.2 Wire
Back Door No.1 Wire
BE2
Front Door RH Wire
BE1
Instrument Panel Wire
Front Door LH Wire
BU
Rear Door No.1 Wire
BQ
BA1
BX
Floor Wire
BR
Back Door No.2 Wire
* 1:w/ Moon Roof
* 2:w/ Tire Pressure Warning System
Rear Door No.2 Wire
Floor No.2 Wire
BD1
BD2
BC1
BV
BS
BT


BA1
BB1
BB2
BC1
BD1
BD2
BE1
BE2


I15
C17
F22
D8
D17
I16
F24
D14
C18
D16
F21
D7
D9
D19
D21
D12
A33
H20
H19
B7
B8
C15
A32
D11
F25
D10
F23
C16

A 32 ABS Speed Sensor Rear LH
A 33 ABS Speed Sensor Rear RH

B 7 Back Door Courtesy SW , Back Door Lock Motor (W/G)
B 7 Back Door Courtesy SW , Back Door Lock Motor (L/B)
B 8 Back Door Opener SW

C 15 Curtain Shield Airbag Sensor LH
C 16 Curtain Shield Airbag Sensor RH
C 17 Curtain Shield Airbag Squib LH
C 18 Curtain Shield Airbag Squib RH

D 7 Door Courtesy Light LH
D 8 Door Courtesy Light RH
D 9 Door Courtesy SW Front LH
D 10 Door Courtesy SW Front RH
D 11 Door Courtesy SW Rear LH
D 12 Door Courtesy SW Rear RH
D 14 Door Key Lock and Unlock SW (Driver's Side) , Door Lock Control Motor (Driver's Side) , Door Unlock Detection SW (Driver's Side) , Double Lock Motor (Driver's Side) , Double Lock Position SW (Driver's Side)
D 16 Door Lock Control Motor (Front Passenger's Side) , Door Unlock Detection SW (Front Passenger's Side) , Double Lock Motor (Front Passenger's Side) , Double Lock Position SW (Front Passenger's Side)
D 17 Door Lock Control SW , Power Window Master SW
D 19 Door Lock Motor Rear LH , Door Unlock Detection SW Rear LH , Double Lock Motor Rear LH , Double Lock Position SW Rear LH
D 21 Door Lock Motor Rear RH , Door Unlock Detection SW Rear RH , Double Lock Motor Rear RH , Double Lock Position SW Rear RH

F 21 Front Door Speaker LH
F 22 Front Door Speaker RH
F 23 Fuel Lid Opener Motor
F 24 Fuel Lid Opener SW
F 25 Fuel Pump , Fuel Sender

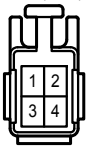
H 19 Height Control Sensor (Rear)
H 20 High Mounted Stop Light (W/G)
H 20 High Mounted Stop Light (S/D)
H 20 High Mounted Stop Light (L/B)

I 15 Inner Mirror
I 16 Interior Light

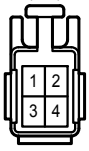
A 32

A 33

B 7
Blue (W/G)



B 7
(L/B)



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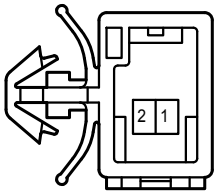
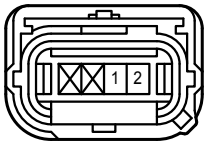


C 15
Yellow



C 16
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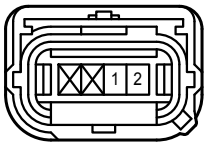

C 17
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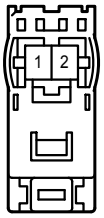

C 18
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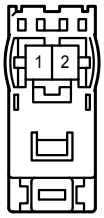


D 7

D 8

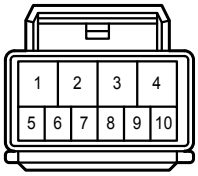
D 9

D 10

D 11

D 12

D 14



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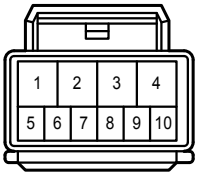

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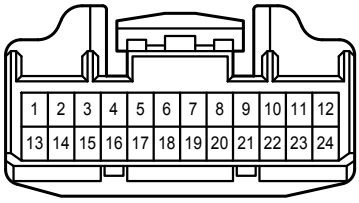
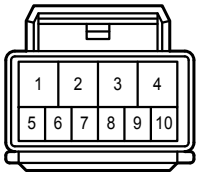


D 19

D 21



F 21
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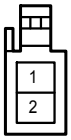

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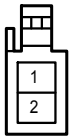

F 23
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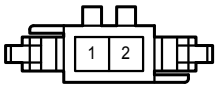

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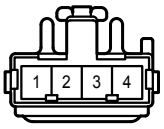
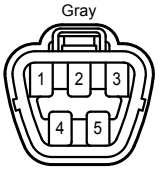
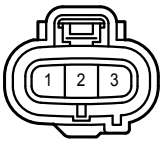


F 25
Gray

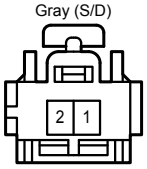


H 19
Black



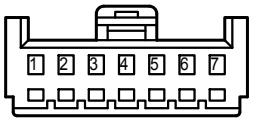
H 20
Black (W/G)

H 20
Gray (S/D)

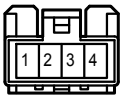


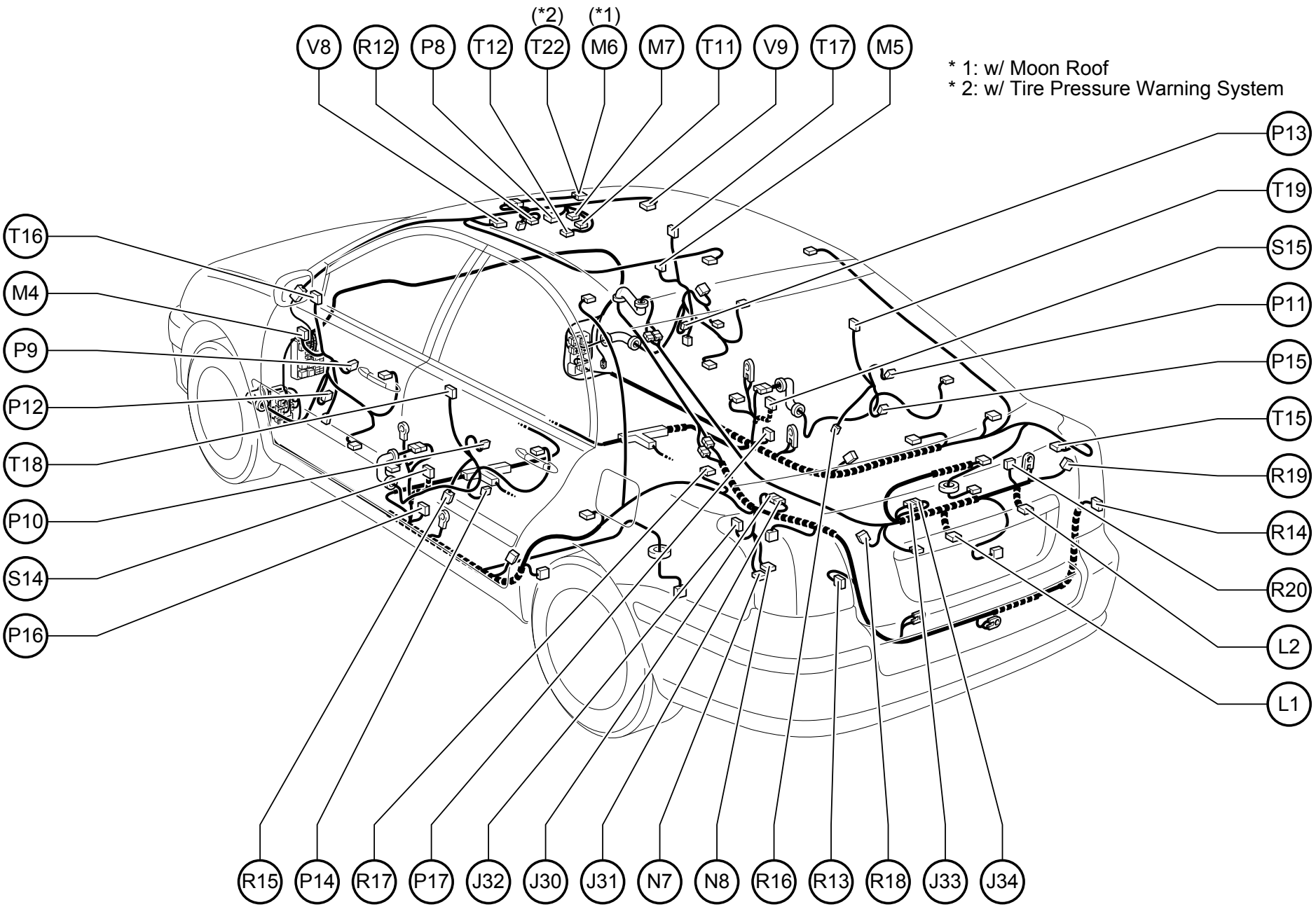
H 20
(L/B)

I 15
Black



I 16




(*2)
(*1)
V8
R12
P8
T12
T22
M6
M7
T11
V9
T17
M5
* 1: w/ Moon Roof
* 2: w/ Tire Pressure Warning System
P13
T19
S15
P11
P15
T15
R19
R14
R20
L2
L1
T16
M4
P9
P12
T18
P10
S14
P16
R15
P14
R17
P17
J32
J30
J31
N7
N8
R16
R13
R18
J33
J34

J 30 Junction Connector
J 31 Junction Connector
J 32 Junction Connector
J 33 Junction Connector
J 34 Junction Connector

L 1 License Plate Light LH
L 2 License Plate Light RH

M 4 Mirror Heater LH , Remote Control Mirror LH
M 5 Mirror Heater RH , Remote Control Mirror RH
M 6 Moon Roof Control Relay and Motor
M 7 Moon Roof Control SW

N 7 Noise Filter (Rear Window Defogger No.2)
N 8 Noise Filter (Stop Light)

P 8 Personal Light
P 9 Power Window Control SW (Front Passenger Side)
P 10 Power Window Control SW Rear LH
P 11 Power Window Control SW Rear RH
P 12 Power Window Motor Front LH
P 13 Power Window Motor Front RH
P 14 Power Window Motor Rear LH
P 15 Power Window Motor Rear RH
P 16 Pretensioner LH
P 17 Pretensioner RH

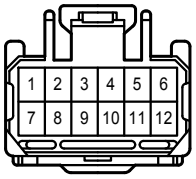
R 12 Rain Sensor
R 13 Rear Combination Light LH (W/G)
R 13 Rear Combination Light LH (Except W/G)
R 14 Rear Combination Light RH (W/G)
R 14 Rear Combination Light RH (Except W/G)
R 15 Rear Door Speaker LH
R 16 Rear Door Speaker RH
R 17 Rear Interior Light (Except S/D)
R 18 Rear Window Defogger (S/D, W/G)
R 18 Rear Window Defogger (L/B)
R 19 Rear Window Defogger (W/G)
R 19 Rear Window Defogger (S/D)
R 19 Rear Window Defogger (L/B)
R 20 Rear Wiper Motor and Relay

S 14 Side Airbag Sensor LH (w/o Curtain Shield Airbag)
S 14 Side Airbag Sensor LH (w/ Curtain Shield Airbag)
S 15 Side Airbag Sensor RH (w/o Curtain Shield Airbag)
S 15 Side Airbag Sensor RH (w/ Curtain Shield Airbag)

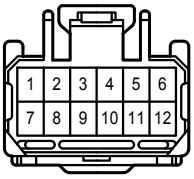
T 11 Telephone Microphone Amplifier
T 12 Theft Warning Ultrasonic Sensor
T 15 Theft Warning Siren
T 16 Tweeter Front LH
T 17 Tweeter Front RH
T 18 Tweeter Rear LH
T 19 Tweeter Rear RH
T 22 Tire Pressure Monitor Receiver

V 8 Vanity Light LH
V 9 Vanity Light RH

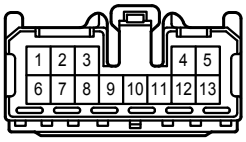
J 30



J 31



J 32



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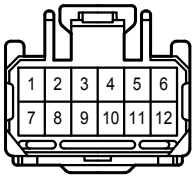

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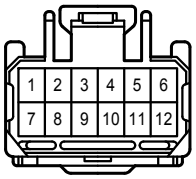
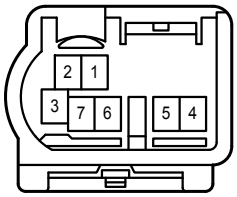


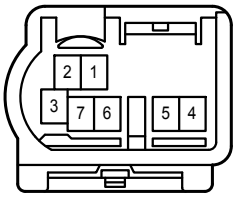
L 1
Black

L 2
Black

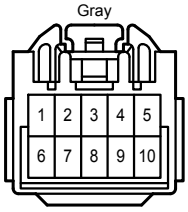
M 4



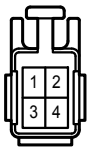
M 5



M 6
Gray



M 7



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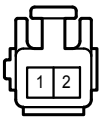

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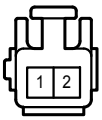
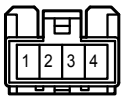


P 8



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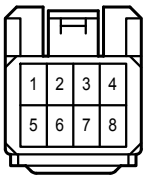

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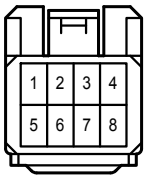

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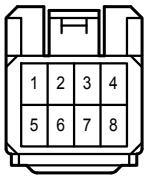
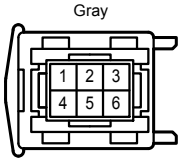
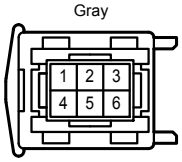


P 12
Gray



P 13
Gray



P 14
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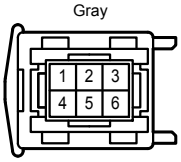
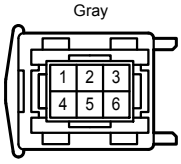
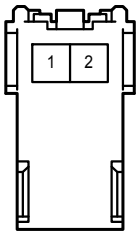


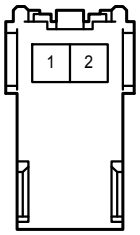
P 15
Gray



P 16
Yellow

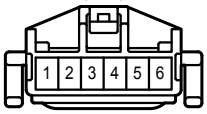


P 17
Yellow

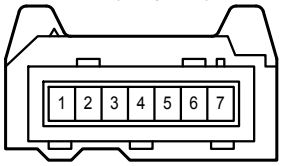


R 12
Black

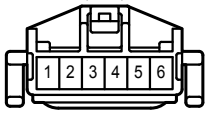
R 13
(W/G)



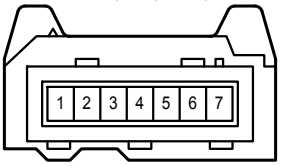
R 13
Black (Except W/G)



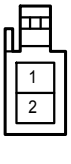
R 14
(W/G)



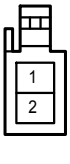
R 14
Black (Except W/G)



R 15
Black

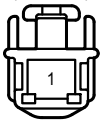


R 16
Black



R 17
(Except S/D)

R 18
(S/D, W/G)



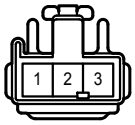
R 18
(L/B)

R 19
(W/G)

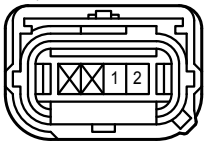
R 19
(S/D)

R 19
(L/B)

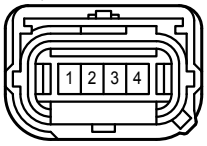
R 20
Black



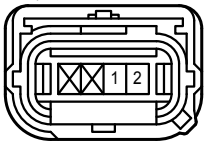
S 14
Yellow (w/o Curtain Shield Airbag)



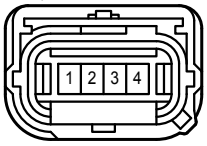
S 14
Yellow (w/ Curtain Shield Airbag)



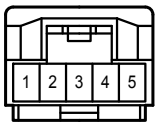
S 15
Yellow (w/o Curtain Shield Airbag)



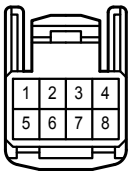
S 15
Yellow (w/ Curtain Shield Airbag)



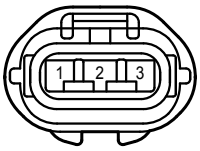
T 11



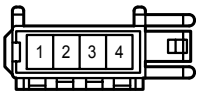
T 12



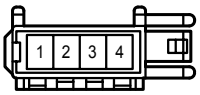
T 15
Black



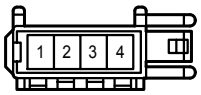
T 16



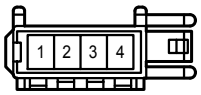
T 17



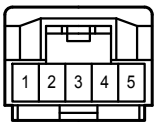
T 18



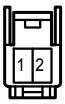
T 19



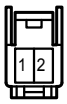
T 22

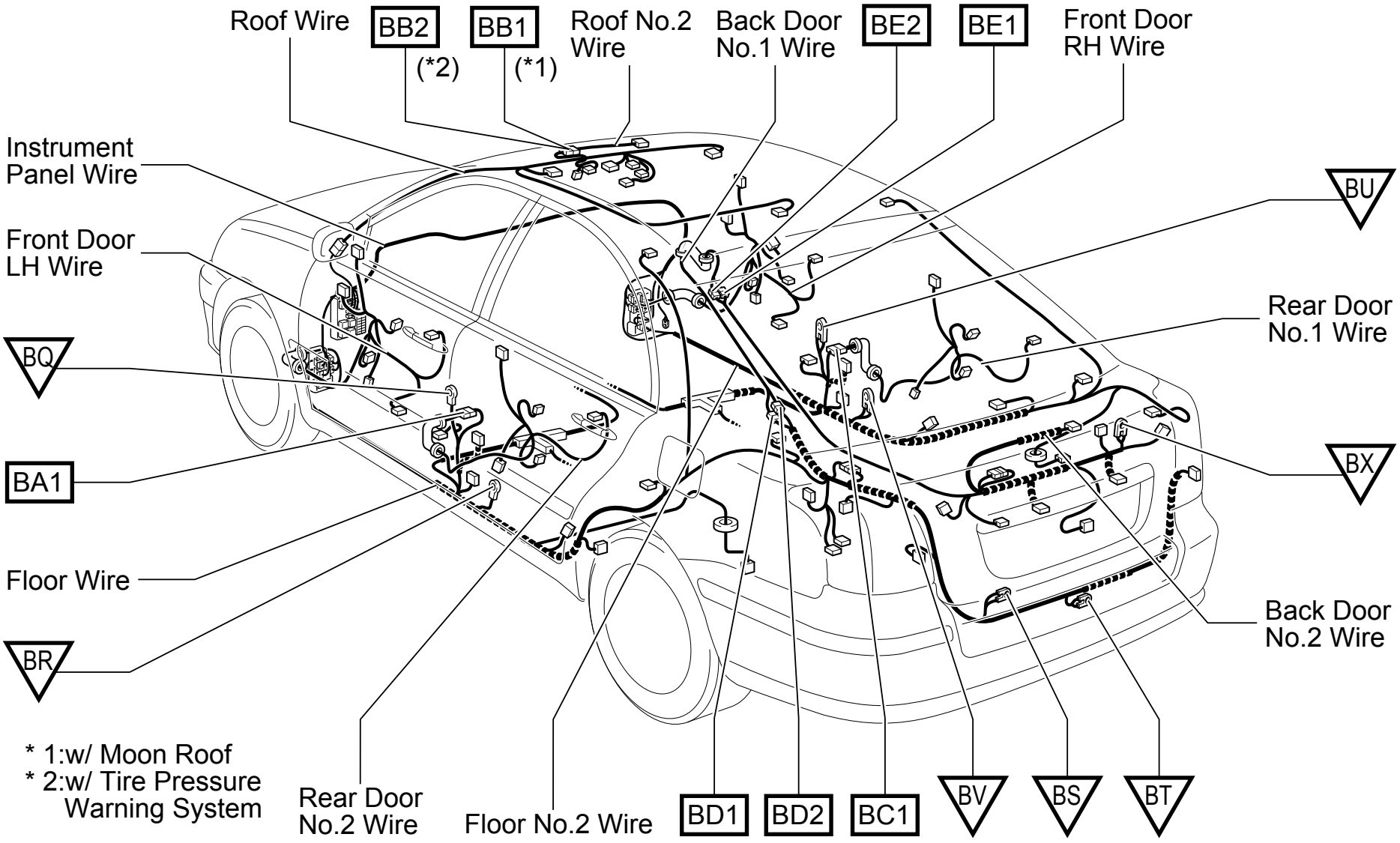


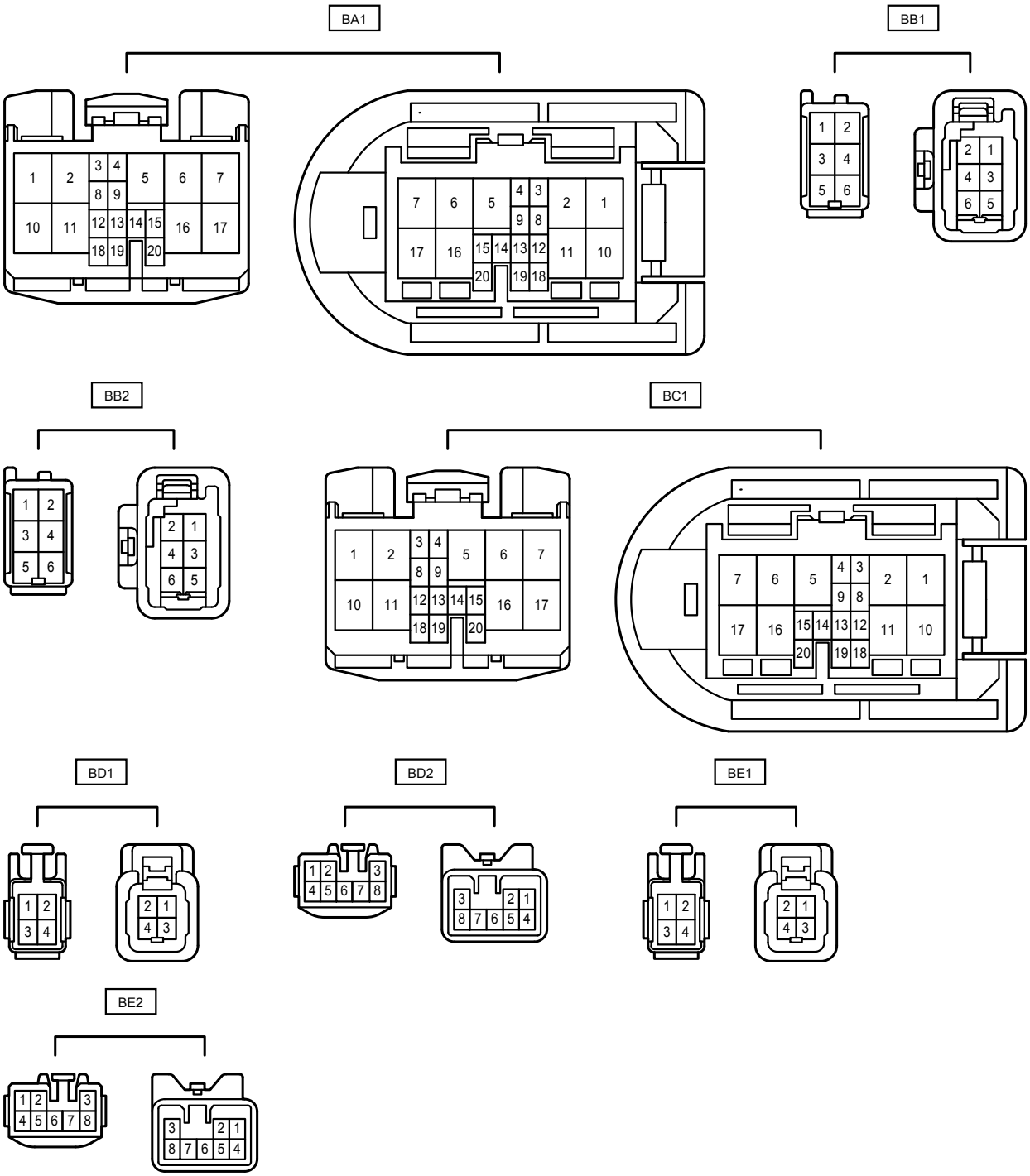
V 8

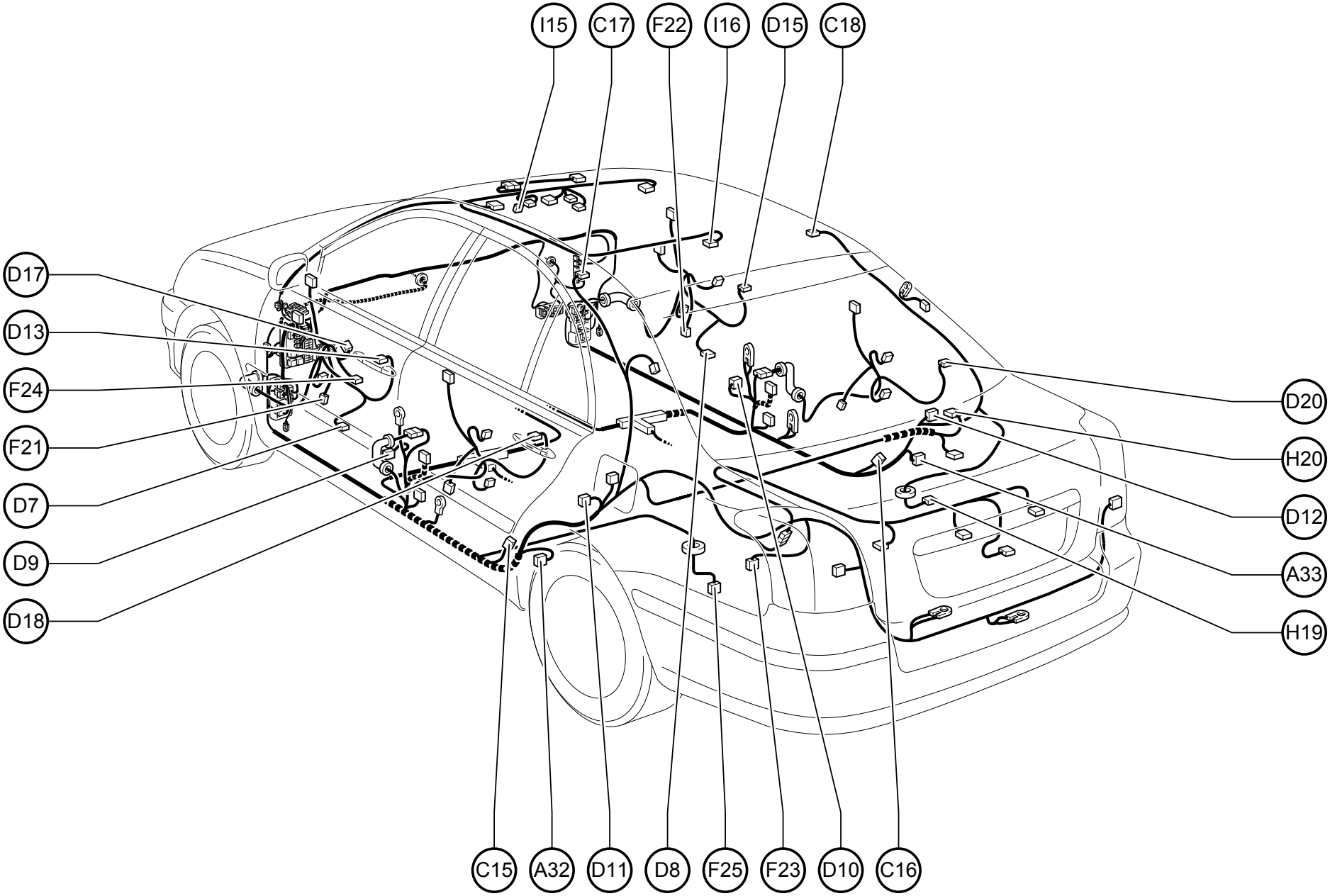


V 9




Roof Wire
BB2
(*2)
BB1
(*1)
Roof No.2 Wire
Back Door No.1 Wire
BE2
BE1
Front Door RH Wire
Instrument Panel Wire
Front Door LH Wire
BU
Rear Door No.1 Wire
BQ
BA1
BX
Floor Wire
BR
Back Door No.2 Wire
* 1:w/ Moon Roof
* 2:w/ Tire Pressure Warning System
Rear Door No.2 Wire
Floor No.2 Wire
BD1
BD2
BC1
BV
BS
BT


BA1
BB1
BB2
BC1
BD1
BD2
BE1
BE2


I15
C17
F22
I16
D15
C18
D17
D13
F24
F21
D7
D9
D18
D20
H20
D12
A33
H19
C15
A32
D11
D8
F25
F23
D10
C16

A 32 ABS Speed Sensor Rear LH
A 33 ABS Speed Sensor Rear RH

C 15 Curtain Shield Airbag Sensor LH
C 16 Curtain Shield Airbag Sensor RH
C 17 Curtain Shield Airbag Squib LH
C 18 Curtain Shield Airbag Squib RH

D 7 Door Courtesy Light LH
D 8 Door Courtesy Light RH
D 9 Door Courtesy SW Front LH
D 10 Door Courtesy SW Front RH
D 11 Door Courtesy SW Rear LH
D 12 Door Courtesy SW Rear RH
D 13 Door Key Lock and Unlock SW (Driver's Side) , Door Lock Control Motor (Driver's Side) , Door Unlock Detection SW (Driver's Side)
D 15 Door Lock Control Motor (Front Passenger's Side)
D 17 Door Lock Control SW , Power Window Master SW
D 18 Door Lock Motor Rear LH
D 20 Door Lock Motor Rear RH

F 21 Front Door Speaker LH
F 22 Front Door Speaker RH
F 23 Fuel Lid Opener Motor
F 24 Fuel Lid Opener SW
F 25 Fuel Pump , Fuel Sender

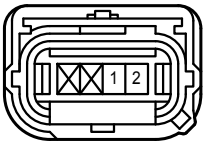
H 19 Height Control Sensor (Rear)
H 20 High Mounted Stop Light (W/G)
H 20 High Mounted Stop Light (S/D)
H 20 High Mounted Stop Light (L/B)

I 15 Inner Mirror
I 16 Interior Light

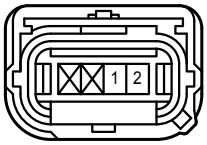
A 32

A 33

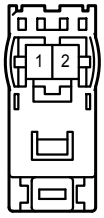
C 15
Yellow



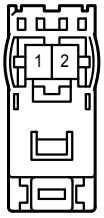
C 16
Yellow



C 17
Black



C 18
Black



D 7

D 8

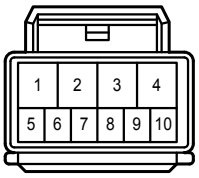
D 9

D 10

D 11

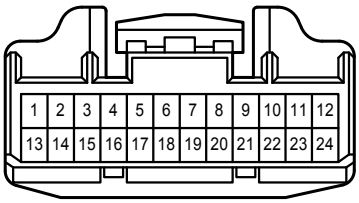
D 12

D 13



D 15

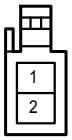
D 17



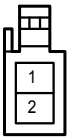
D 18

D 20

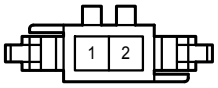
F 21
Black



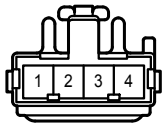
F 22
Black



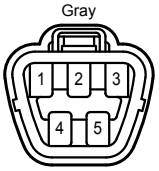
F 23
Black



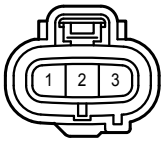
F 24



F 25
Gray

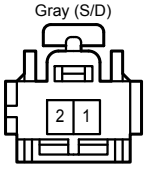


H 19
Black



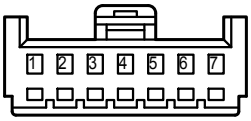
H 20
Black (W/G)

H 20
Gray (S/D)

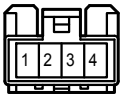


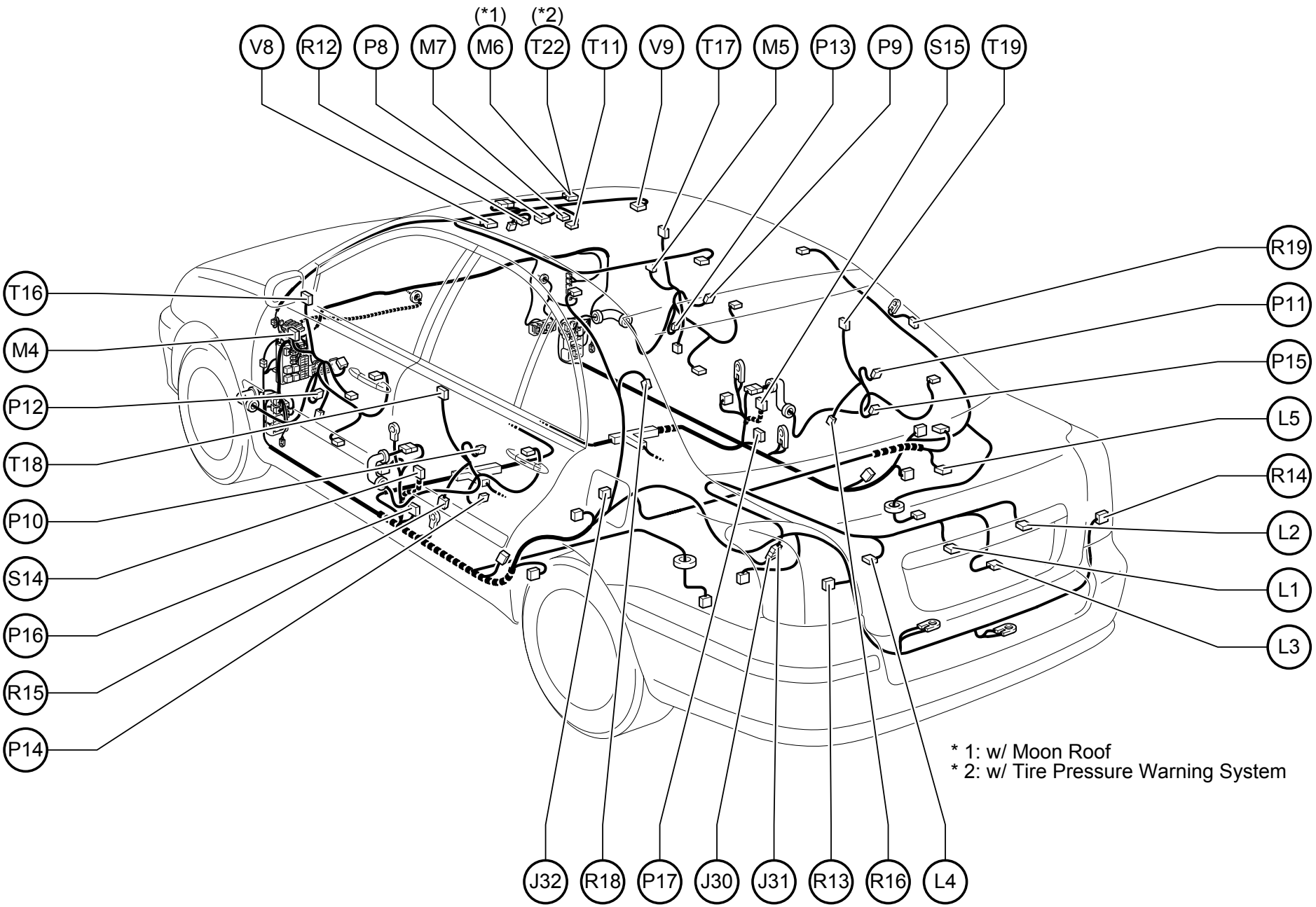
H 20
(L/B)

I 15
Black



I 16




(*1)
(*2)
V8
R12
P8
M7
M6
T22
T11
V9
T17
M5
P13
P9
S15
T19
R19
P11
P15
L5
R14
L2
L1
L3
T16
M4
P12
T18
P10
S14
P16
R15
P14
J32
R18
P17
J30
J31
R13
R16
L4
* 1: w/ Moon Roof
* 2: w/ Tire Pressure Warning System

J 30 Junction Connector
J 31 Junction Connector
J 32 Junction Connector

L 1 License Plate Light LH
L 2 License Plate Light RH
L 3 Luggage Compartment Door Lock Motor , Luggage Compartment Light SW
L 4 Luggage Compartment Door Opener SW
L 5 Luggage Compartment Light

M 4 Mirror Heater LH , Remote Control Mirror LH
M 5 Mirror Heater RH , Remote Control Mirror RH
M 6 Moon Roof Control Relay and Motor
M 7 Moon Roof Control SW

P 8 Personal Light
P 9 Power Window Control SW (Front Passenger Side)
P 10 Power Window Control SW Rear LH
P 11 Power Window Control SW Rear RH
P 12 Power Window Motor Front LH
P 13 Power Window Motor Front RH
P 14 Power Window Motor Rear LH
P 15 Power Window Motor Rear RH
P 16 Pretensioner LH
P 17 Pretensioner RH

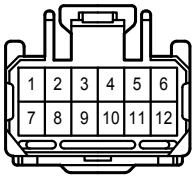
R 12 Rain Sensor
R 13 Rear Combination Light LH (W/G)
R 13 Rear Combination Light LH (Except W/G)
R 14 Rear Combination Light RH (W/G)
R 14 Rear Combination Light RH (Except W/G)
R 15 Rear Door Speaker LH
R 16 Rear Door Speaker RH
R 18 Rear Window Defogger (S/D, W/G)
R 18 Rear Window Defogger (L/B)
R 19 Rear Window Defogger (W/G)
R 19 Rear Window Defogger (S/D)
R 19 Rear Window Defogger (L/B)

S 14 Side Airbag Sensor LH (w/o Curtain Shield Airbag)
S 14 Side Airbag Sensor LH (w/ Curtain Shield Airbag)
S 15 Side Airbag Sensor RH (w/o Curtain Shield Airbag)
S 15 Side Airbag Sensor RH (w/ Curtain Shield Airbag)

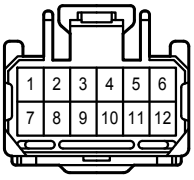
T 11 Telephone Microphone Amplifier
T 16 Tweeter Front LH
T 17 Tweeter Front RH
T 18 Tweeter Rear LH
T 19 Tweeter Rear RH
T 22 Tire Pressure Monitor Receiver

V 8 Vanity Light LH
V 9 Vanity Light RH

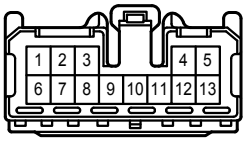
J 30



J 31



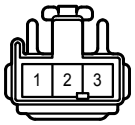
J 32



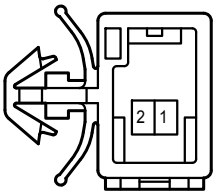
L 1
Black

L 2
Black

L 3
Black

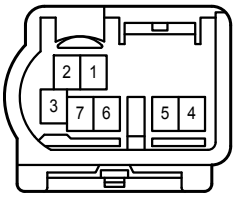


L 4

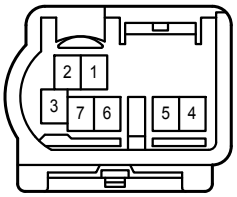


L 5

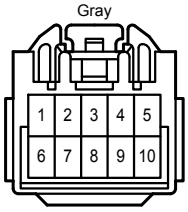
M 4



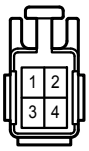
M 5



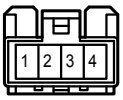
M 6
Gray



M 7



P 8



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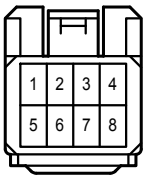

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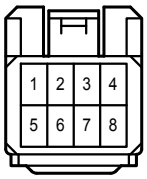
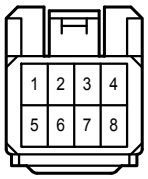
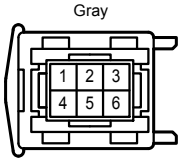


P 11



P 12
Gray



P 13
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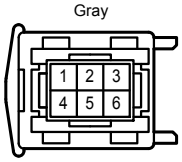

P 14
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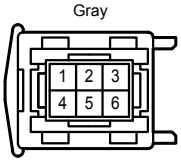

P 15
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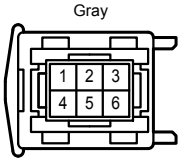
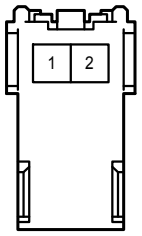
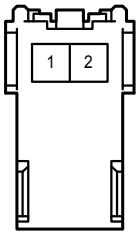


P 16
Yellow

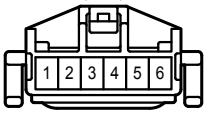


P 17
Yellow

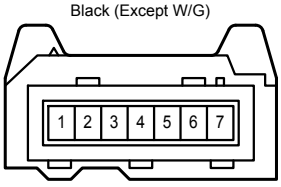


R 12
Black

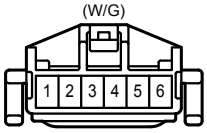
R 13
(W/G)



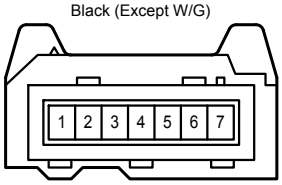
R 13
Black (Except W/G)



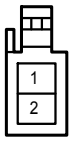
R 14
(W/G)



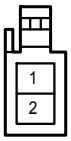
R 14
Black (Except W/G)



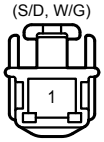
R 15
Black



R 16
Black



R 18
(S/D, W/G)

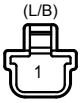


R 18
(L/B)

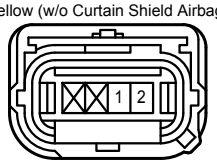
R 19
(W/G)

R 19
(S/D)

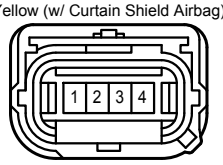
R 19
(L/B)



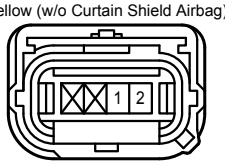
S 14
Yellow (w/o Curain Shield Airbag)



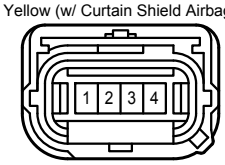
S 14
Yellow (w/ Curain Shield Airbag)



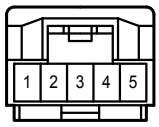
S 15
Yellow (w/o Curain Shield Airbag)



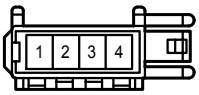
S 15
Yellow (w/ Curain Shield Airbag)



T 11



T 16



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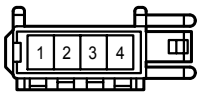
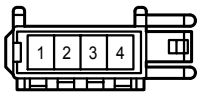


T 18



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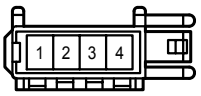
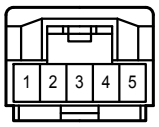
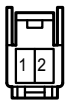


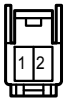
T 22

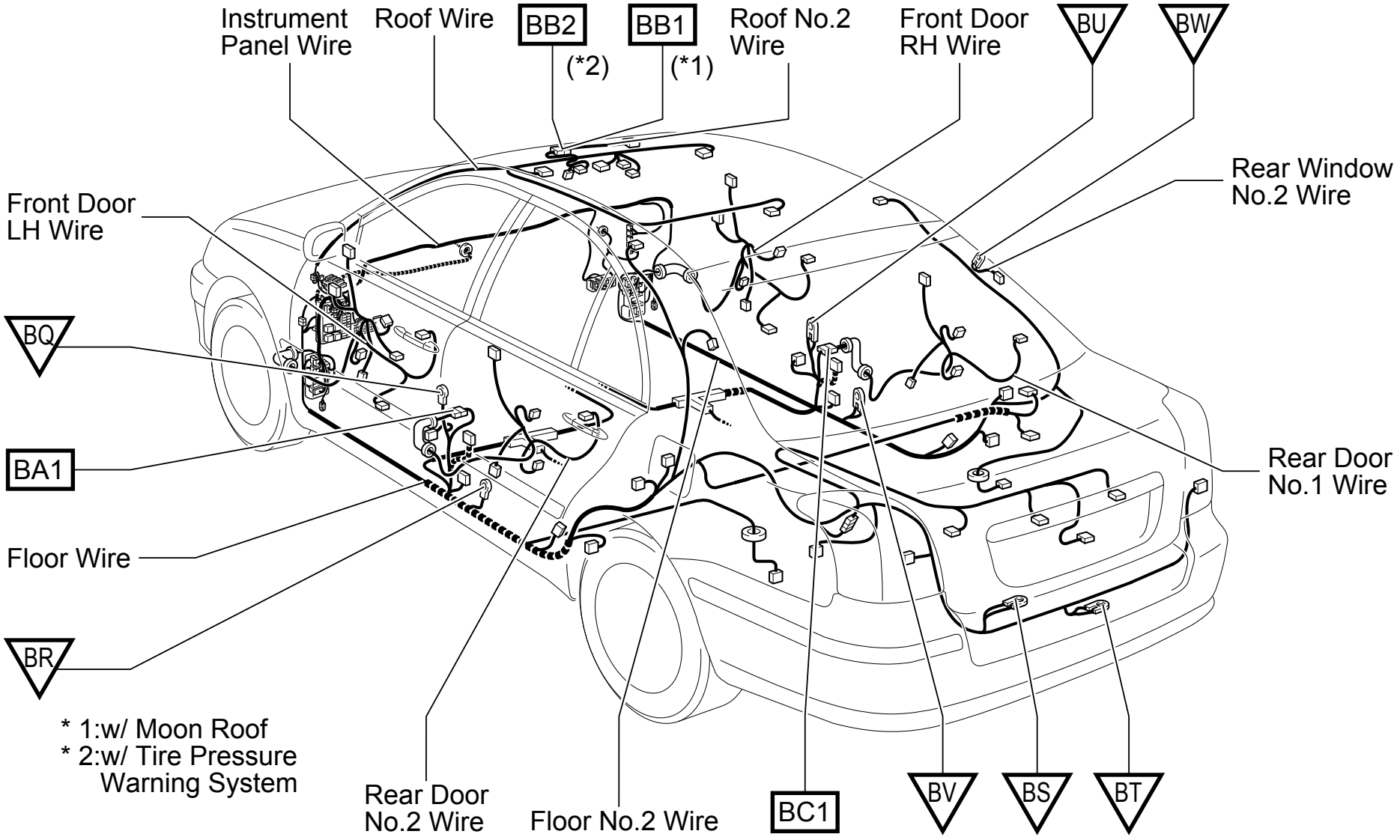


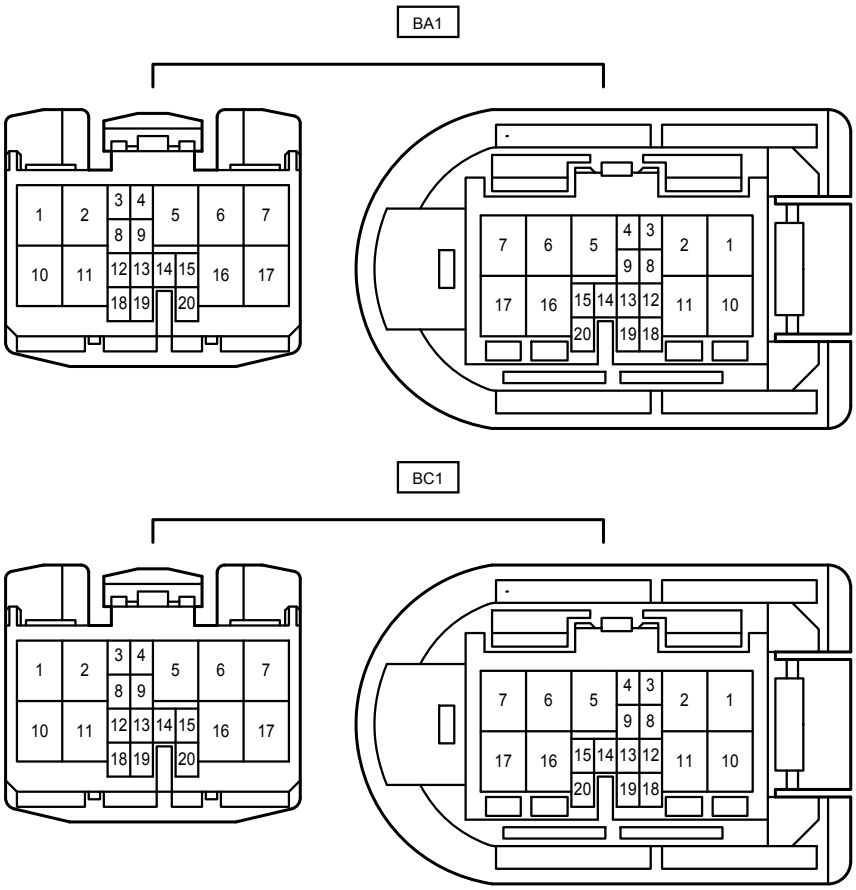
V 8

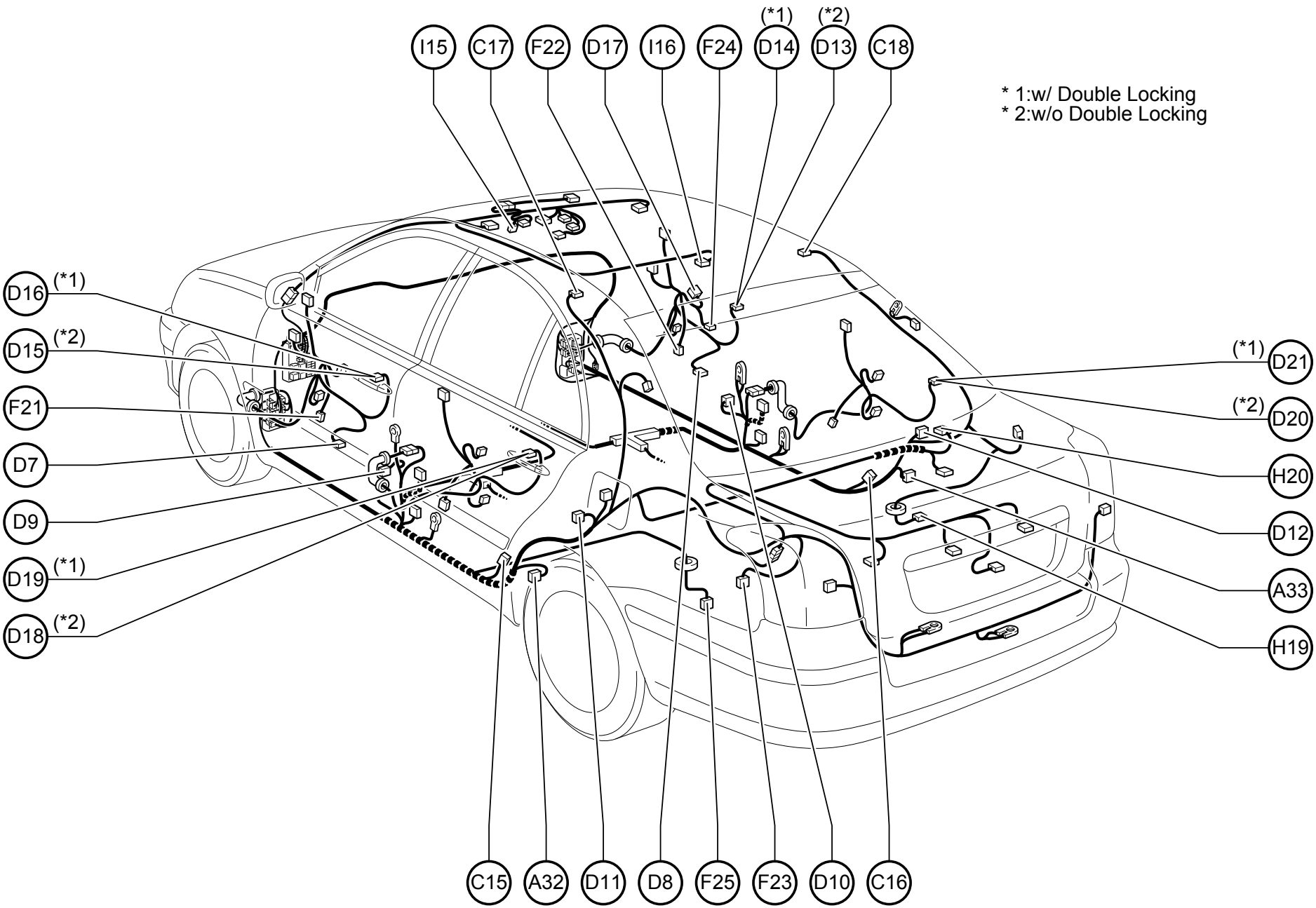


V 9




Instrument Panel Wire
Roof Wire
BB2
(*2)
BB1
(*1)
Roof No.2 Wire
Front Door RH Wire
BU
BW
Rear Window No.2 Wire
Front Door LH Wire
BQ
BA1
Floor Wire
BR
Rear Door No.1 Wire
* 1:w/ Moon Roof
* 2:w/ Tire Pressure Warning System
Rear Door No.2 Wire
Floor No.2 Wire
BC1
BV
BS
BT


BA1
1 2 3 4 5 6 7
8 9
10 11 12 13 14 15 16 17
18 19 20
7 6 5 4 3 2 1
9 8
17 16 15 14 13 12 11 10
20 19 18
BB1
1 2
3 4
5 6
2 1
4 3
6 5
BC1
1 2 3 4 5 6 7
8 9
10 11 12 13 14 15 16 17
18 19 20
7 6 5 4 3 2 1
9 8
17 16 15 14 13 12 11 10
20 19 18


I15
C17
F22
D17
I16
F24
(*1)
D14
(*2)
D13
C18
* 1:w/ Double Locking
* 2:w/o Double Locking
D16
(*1)
D15
(*2)
F21
D7
D9
D19
(*1)
D18
(*2)
(*1)
D21
(*2)
D20
H20
D12
A33
H19
C15
A32
D11
D8
F25
F23
D10
C16

A 32 ABS Speed Sensor Rear LH
A 33 ABS Speed Sensor Rear RH

C 15 Curtain Shield Airbag Sensor LH
C 16 Curtain Shield Airbag Sensor RH
C 17 Curtain Shield Airbag Squib LH
C 18 Curtain Shield Airbag Squib RH

D 7 Door Courtesy Light LH
D 8 Door Courtesy Light RH
D 9 Door Courtesy SW Front LH
D 10 Door Courtesy SW Front RH
D 11 Door Courtesy SW Rear LH
D 12 Door Courtesy SW Rear RH
D 13 Door Key Lock and Unlock SW (Driver's Side) , Door Lock Control Motor (Driver's Side) , Door Unlock Detection SW (Driver's Side)
D 14 Door Key Lock and Unlock SW (Driver's Side) , Door Lock Control Motor (Driver's Side) , Door Unlock Detection SW (Driver's Side) , Double Lock Motor (Driver's Side) , Double Lock Position SW (Driver's Side)
D 15 Door Lock Control Motor (Front Passenger's Side)
D 16 Door Lock Control Motor (Front Passenger's Side) , Door Unlock Detection SW (Front Passenger's Side) , Double Lock Motor (Front Passenger's Side) , Double Lock Position SW (Front Passenger's Side)
D 17 Door Lock Control SW , Power Window Master SW
D 18 Door Lock Motor Rear LH
D 19 Door Lock Motor Rear LH , Door Unlock Detection SW Rear LH , Double Lock Motor Rear LH , Double Lock Position SW Rear LH
D 20 Door Lock Motor Rear RH
D 21 Door Lock Motor Rear RH , Door Unlock Detection SW Rear RH , Double Lock Motor Rear RH , Double Lock Position SW Rear RH

F 21 Front Door Speaker LH
F 22 Front Door Speaker RH
F 23 Fuel Lid Opener Motor
F 24 Fuel Lid Opener SW
F 25 Fuel Pump , Fuel Sender

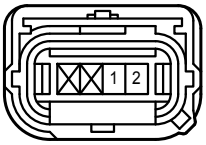
H 19 Height Control Sensor (Rear)
H 20 High Mounted Stop Light (W/G)
H 20 High Mounted Stop Light (S/D)
H 20 High Mounted Stop Light (L/B)

I 15 Inner Mirror
I 16 Interior Light

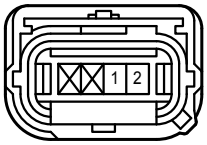
A 32

A 33

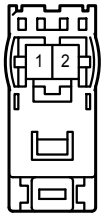
C 15
Yellow



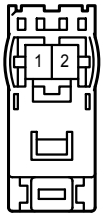
C 16
Yellow



C 17
Black



C 18
Black



D 7

D 8

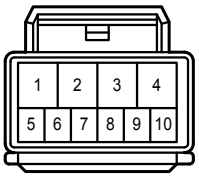
D 9

D 10

D 11

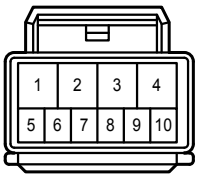
D 12

D 13

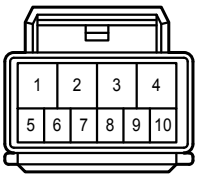


D 14

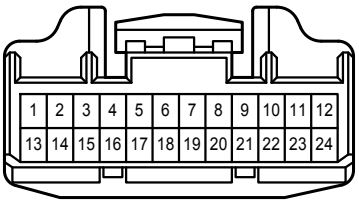
D 15



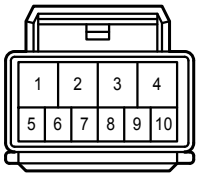
D 16



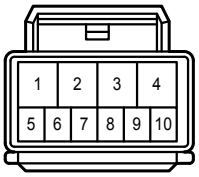
D 17



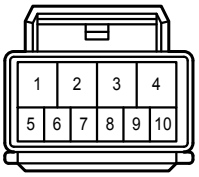
D 18



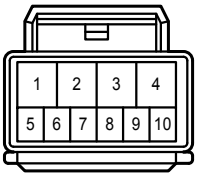
D 19



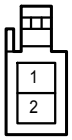
D 20



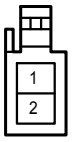
D 21



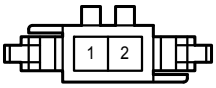
F 21
Black



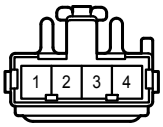
F 22
Black



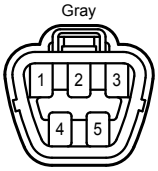
F 23
Black



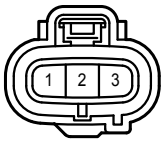
F 24



F 25
Gray

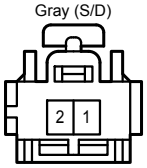


H 19
Black



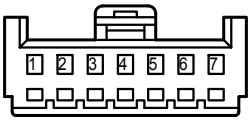
H 20
Black (W/G)

H 20
Gray (S/D)

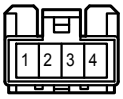


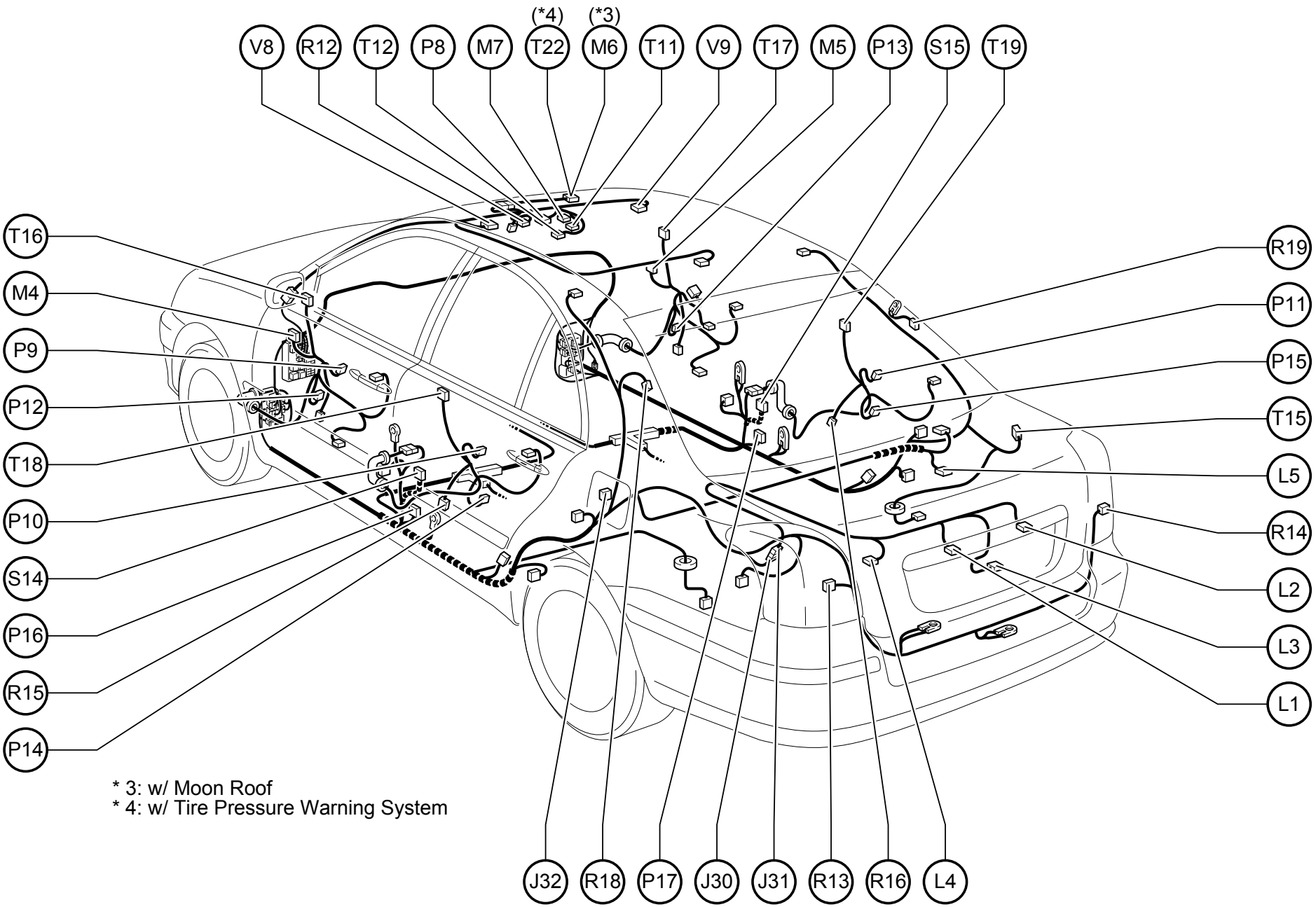
H 20
(L/B)

I 15
Black



I 16





* 3: w/ Moon Roof
* 4: w/ Tire Pressure Warning System

J 30 Junction Connector
J 31 Junction Connector
J 32 Junction Connector

L 1 License Plate Light LH
L 2 License Plate Light RH
L 3 Luggage Compartment Door Lock Motor , Luggage Compartment Light SW
L 4 Luggage Compartment Door Opener SW
L 5 Luggage Compartment Light

M 4 Mirror Heater LH , Remote Control Mirror LH
M 5 Mirror Heater RH , Remote Control Mirror RH
M 6 Moon Roof Control Relay and Motor
M 7 Moon Roof Control SW

P 8 Personal Light
P 9 Power Window Control SW (Front Passenger Side)
P 10 Power Window Control SW Rear LH
P 11 Power Window Control SW Rear RH
P 12 Power Window Motor Front LH
P 13 Power Window Motor Front RH
P 14 Power Window Motor Rear LH
P 15 Power Window Motor Rear RH
P 16 Pretensioner LH
P 17 Pretensioner RH

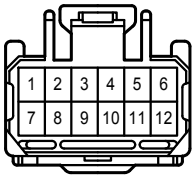
R 12 Rain Sensor
R 13 Rear Combination Light LH (W/G)
R 13 Rear Combination Light LH (Except W/G)
R 14 Rear Combination Light RH (W/G)
R 14 Rear Combination Light RH (Except W/G)
R 15 Rear Door Speaker LH
R 16 Rear Door Speaker RH
R 18 Rear Window Defogger (S/D, W/G)
R 18 Rear Window Defogger (L/B)
R 19 Rear Window Defogger (W/G)
R 19 Rear Window Defogger (S/D)
R 19 Rear Window Defogger (L/B)

S 14 Side Airbag Sensor LH (w/o Curtain Shield Airbag)
S 14 Side Airbag Sensor LH (w/ Curtain Shield Airbag)
S 15 Side Airbag Sensor RH (w/o Curtain Shield Airbag)
S 15 Side Airbag Sensor RH (w/ Curtain Shield Airbag)

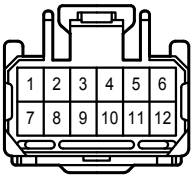
T 11 Telephone Microphone Amplifier
T 12 Theft Warning Ultrasonic Sensor
T 15 Theft Warning Siren
T 16 Tweeter Front LH
T 17 Tweeter Front RH
T 18 Tweeter Rear LH
T 19 Tweeter Rear RH
T 22 Tire Pressure Monitor Receiver

V 8 Vanity Light LH
V 9 Vanity Light RH

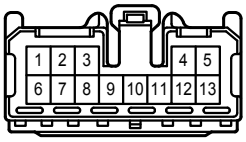
J 30



J 31



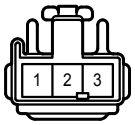
J 32



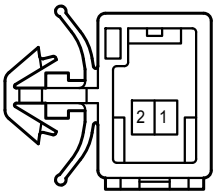
L 1
Black

L 2
Black

L 3
Black

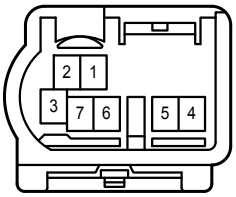


L 4

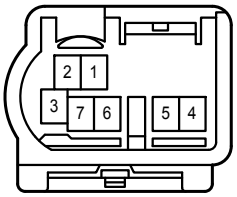


L 5

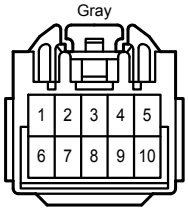
M 4



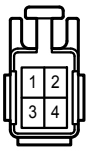
M 5



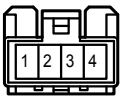
M 6
Gray



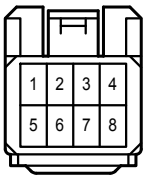
M 7



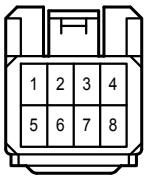
P 8



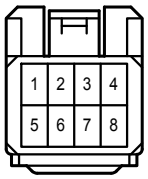
P 9



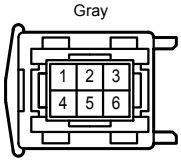
P 10



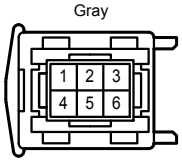
P 11



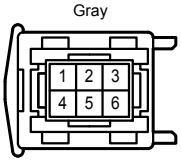
P 12
Gray



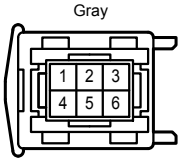
P 13
Gray



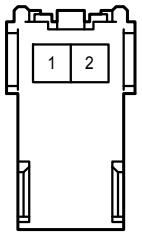
P 14
Gray



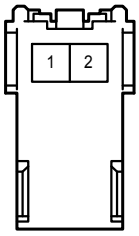
P 15
Gray



P 16
Yellow

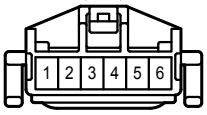


P 17
Yellow

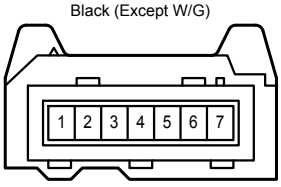


R 12
Black

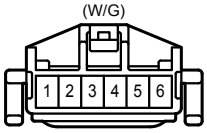
R 13
(W/G)



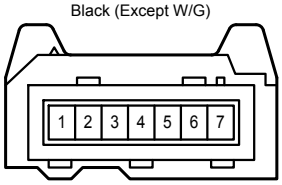
R 13
Black (Except W/G)



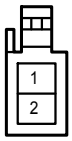
R 14
(W/G)



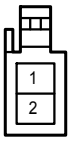
R 14
Black (Except W/G)



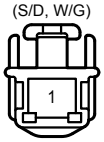
R 15
Black



R 16
Black



R 18
(S/D, W/G)

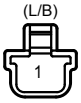


R 18
(L/B)

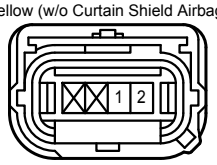
R 19
(W/G)

R 19
(S/D)

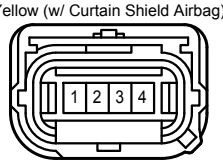
R 19
(L/B)



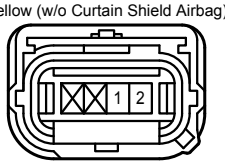
S 14
Yellow (w/o Curtain Shield Airbag)



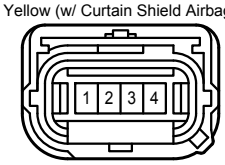
S 14
Yellow (w/ Curtain Shield Airbag)



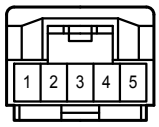
S 15
Yellow (w/o Curtain Shield Airbag)



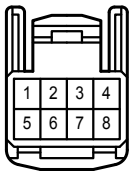
S 15
Yellow (w/ Curtain Shield Airbag)



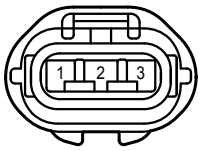
T 11



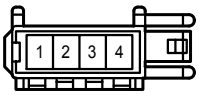
T 12



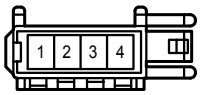
T 15
Black



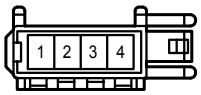
T 16



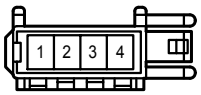
T 17



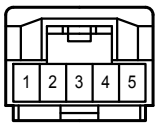
T 18



T 19

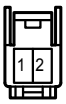


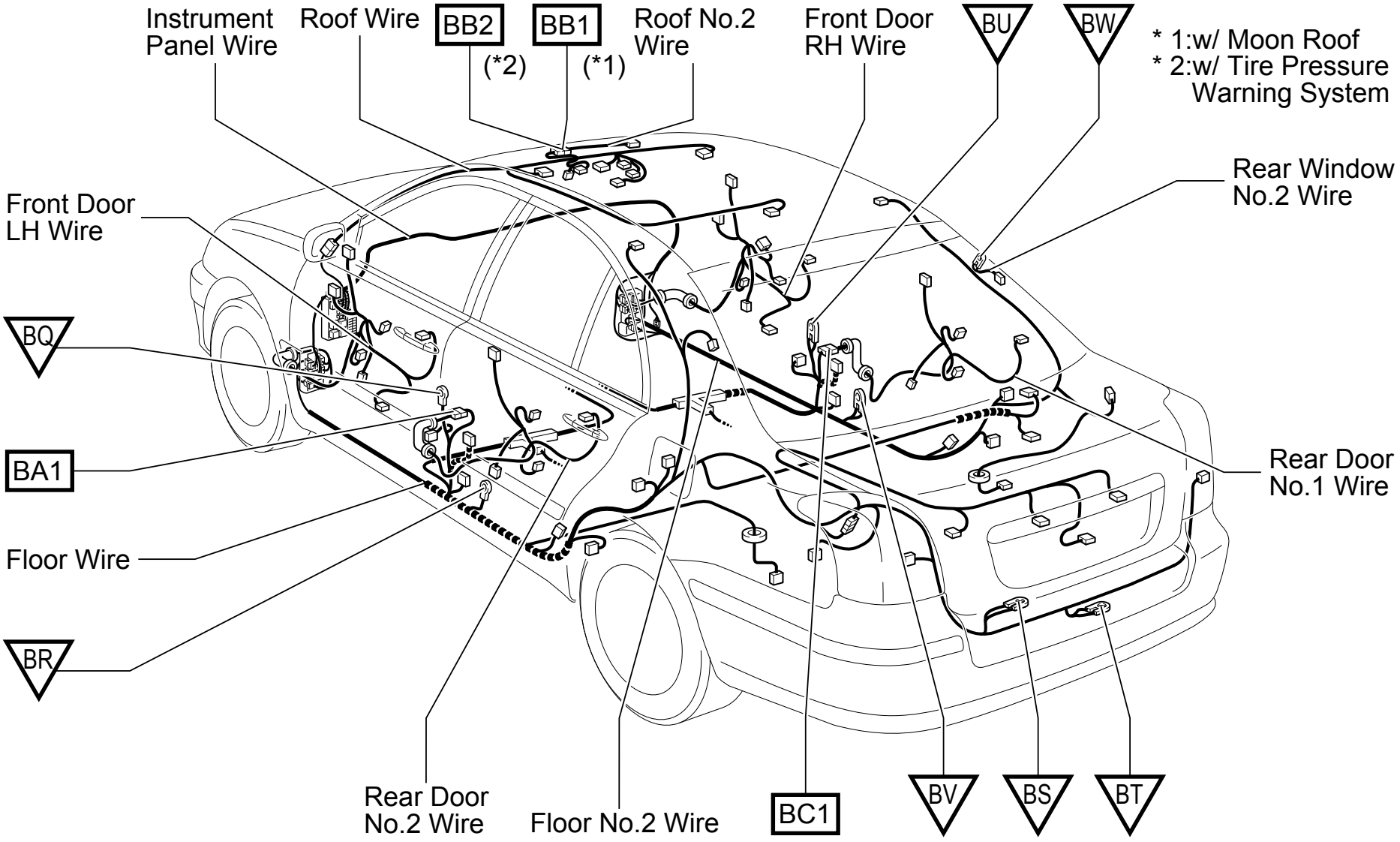
T 22

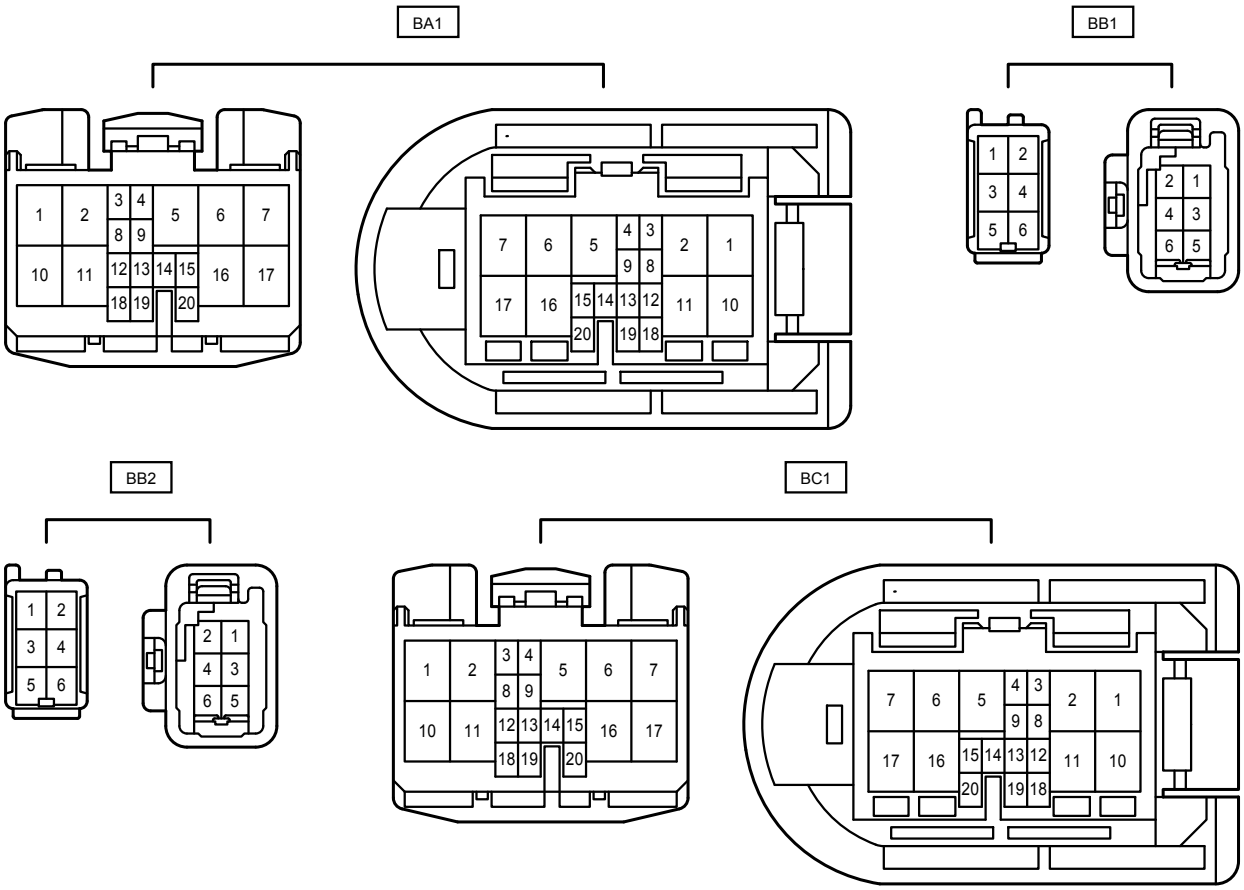


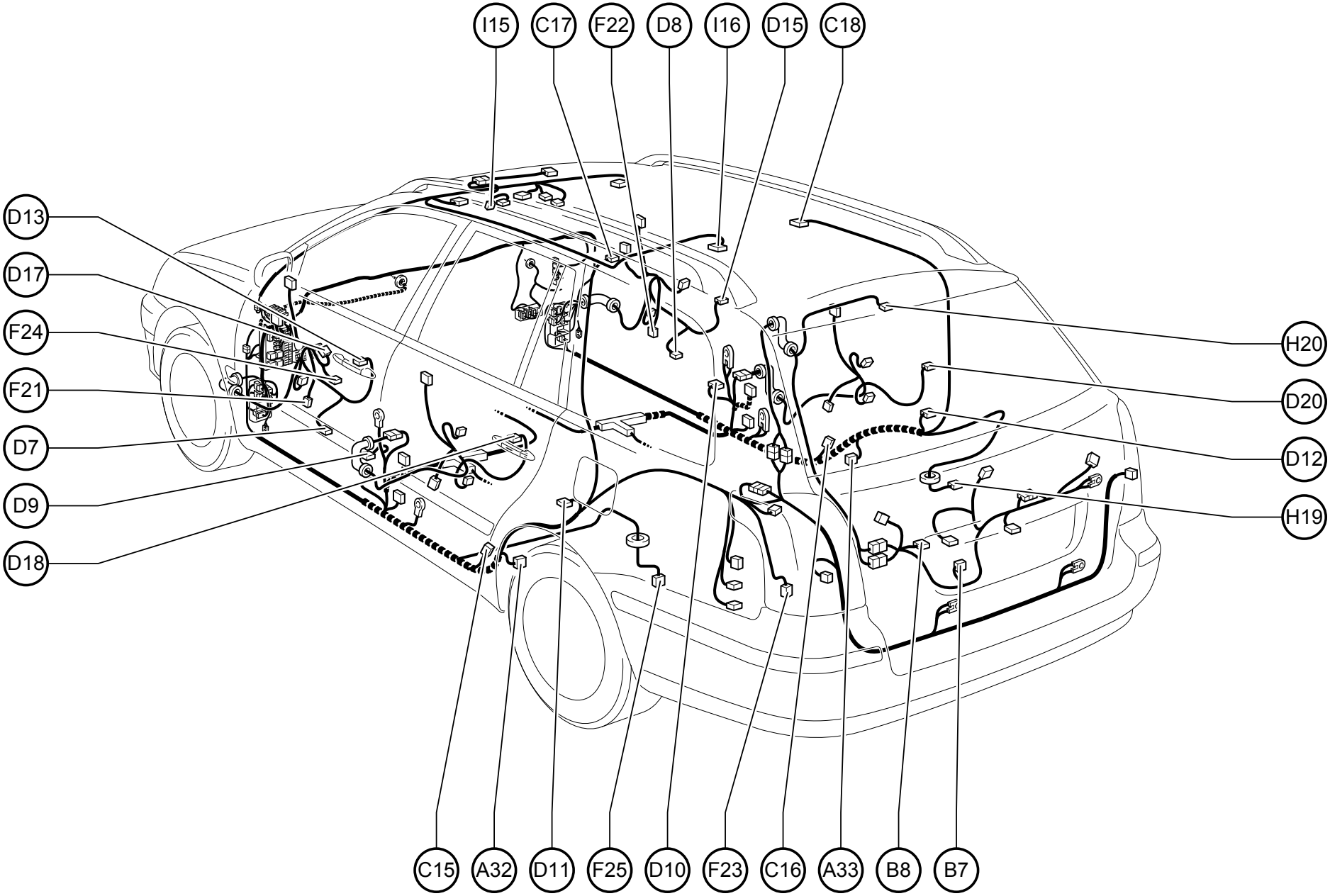
V 8

V 9




Instrument Panel Wire
Roof Wire
BB2
(*2)
BB1
(*1)
Roof No.2 Wire
Front Door RH Wire
BU
BW
* 1:w/ Moon Roof
* 2:w/ Tire Pressure Warning System
Rear Window No.2 Wire
Front Door LH Wire
BQ
BA1
Floor Wire
BR
Rear Door No.1 Wire
Rear Door No.2 Wire
Floor No.2 Wire
BC1
BV
BS
BT


BA1
BB1
BB2
BC1


I15
C17
F22
D8
I16
D15
C18
D13
D17
F24
F21
D7
D9
D18
H20
D20
D12
H19
C15
A32
D11
F25
D10
F23
C16
A33
B8
B7

A 32 ABS Speed Sensor Rear LH
A 33 ABS Speed Sensor Rear RH

B 7 Back Door Courtesy SW , Back Door Lock Motor (W/G)
B 7 Back Door Courtesy SW , Back Door Lock Motor (L/B)
B 8 Back Door Opener SW

C 15 Curtain Shield Airbag Sensor LH
C 16 Curtain Shield Airbag Sensor RH
C 17 Curtain Shield Airbag Squib LH
C 18 Curtain Shield Airbag Squib RH

D 7 Door Courtesy Light LH
D 8 Door Courtesy Light RH
D 9 Door Courtesy SW Front LH
D 10 Door Courtesy SW Front RH
D 11 Door Courtesy SW Rear LH
D 12 Door Courtesy SW Rear RH
D 13 Door Key Lock and Unlock SW (Driver's Side) , Door Lock Control Motor (Driver's Side) , Door Unlock Detection SW (Driver's Side)
D 15 Door Lock Control Motor (Front Passenger's Side)
D 17 Door Lock Control SW , Power Window Master SW
D 18 Door Lock Motor Rear LH
D 20 Door Lock Motor Rear RH

F 21 Front Door Speaker LH
F 22 Front Door Speaker RH
F 23 Fuel Lid Opener Motor
F 24 Fuel Lid Opener SW
F 25 Fuel Pump , Fuel Sender

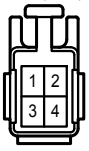
H 19 Height Control Sensor (Rear)
H 20 High Mounted Stop Light (W/G)
H 20 High Mounted Stop Light (S/D)
H 20 High Mounted Stop Light (L/B)

I 15 Inner Mirror
I 16 Interior Light

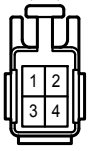
A 32

A 33

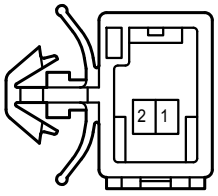
B 7
Blue (W/G)



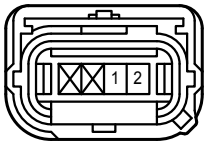
B 7
(L/B)



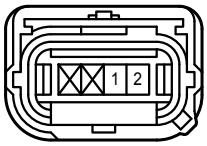
B 8



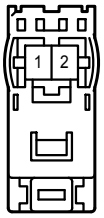
C 15
Yellow



C 16
Yellow



C 17
Black



C 18
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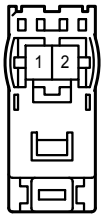


D 7

D 8

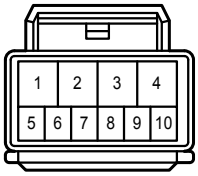
D 9

D 10

D 11

D 12

D 13



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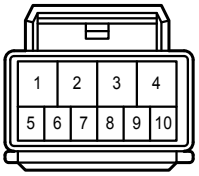

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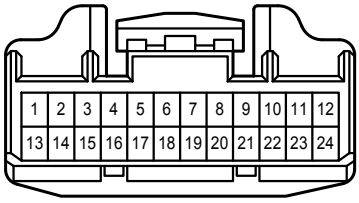
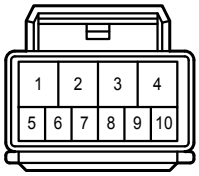
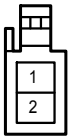


D 18

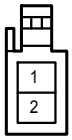
D 20



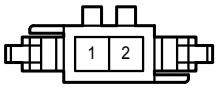
F 21
Black



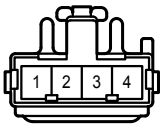
F 22
Black



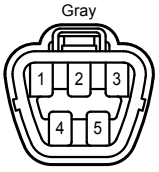
F 23
Black



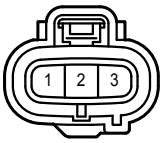
F 24



F 25
Gray

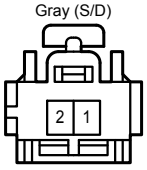


H 19
Black



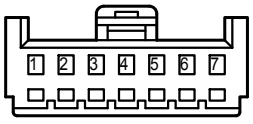
H 20
Black (W/G)

H 20
Gray (S/D)

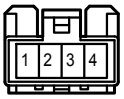


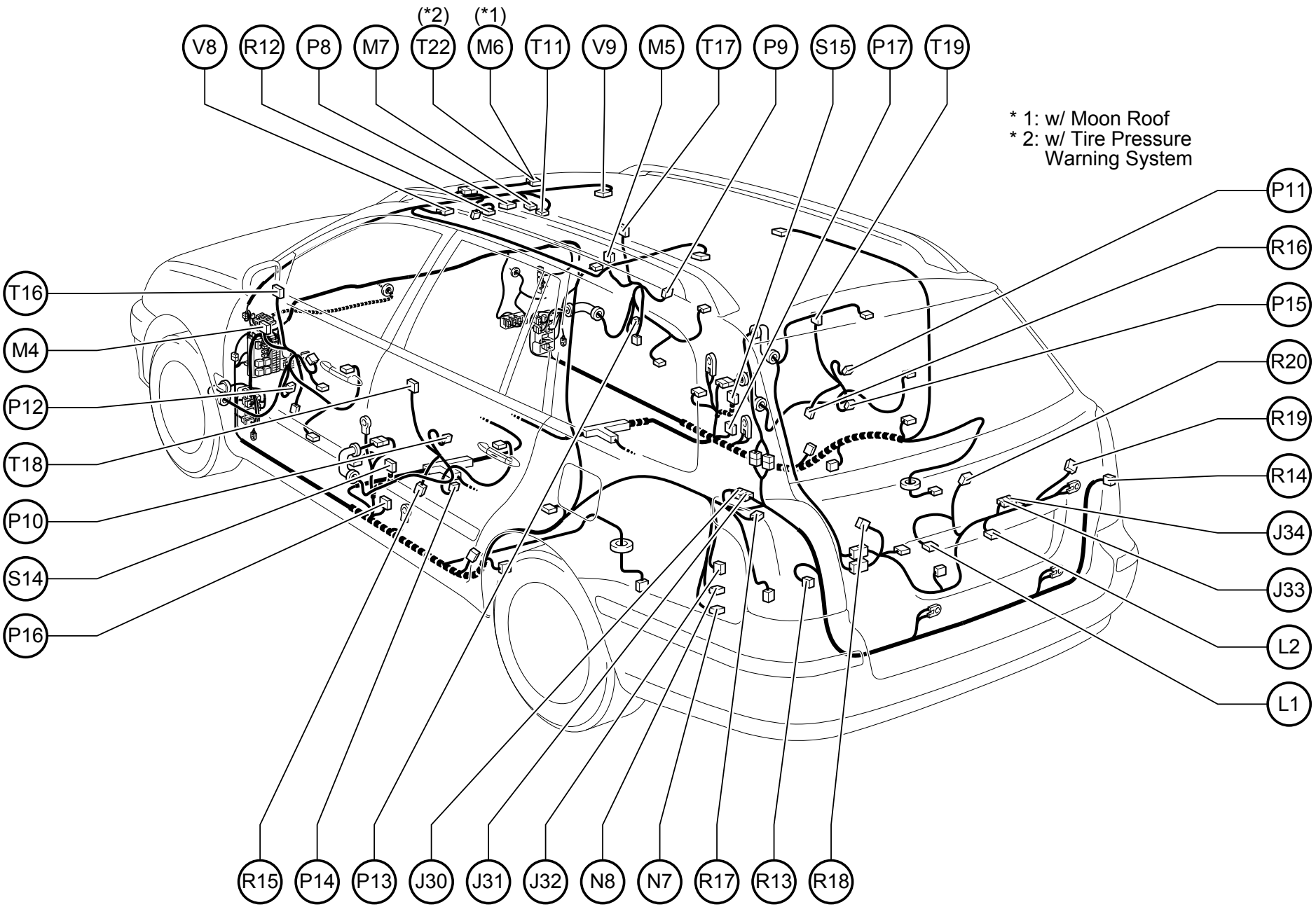
H 20
(L/B)

I 15
Black



I 16




(*2)
(*1)
V8
R12
P8
M7
T22
M6
T11
V9
M5
T17
P9
S15
P17
T19
* 1: w/ Moon Roof
* 2: w/ Tire Pressure Warning System
P11
R16
P15
R20
R19
R14
J34
J33
L2
L1
T16
M4
P12
T18
P10
S14
P16
R15
P14
P13
J30
J31
J32
N8
N7
R17
R13
R18

J 30 Junction Connector
J 31 Junction Connector
J 32 Junction Connector
J 33 Junction Connector
J 34 Junction Connector

L 1 License Plate Light LH
L 2 License Plate Light RH

M 4 Mirror Heater LH , Remote Control Mirror LH
M 5 Mirror Heater RH , Remote Control Mirror RH
M 6 Moon Roof Control Relay and Motor
M 7 Moon Roof Control SW

N 7 Noise Filter (Rear Window Defogger No.2)
N 8 Noise Filter (Stop Light)

P 8 Personal Light
P 9 Power Window Control SW (Front Passenger Side)
P 10 Power Window Control SW Rear LH
P 11 Power Window Control SW Rear RH
P 12 Power Window Motor Front LH
P 13 Power Window Motor Front RH
P 14 Power Window Motor Rear LH
P 15 Power Window Motor Rear RH
P 16 Pretensioner LH
P 17 Pretensioner RH

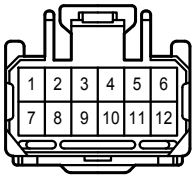
R 12 Rain Sensor
R 13 Rear Combination Light LH (W/G)
R 13 Rear Combination Light LH (Except W/G)
R 14 Rear Combination Light RH (W/G)
R 14 Rear Combination Light RH (Except W/G)
R 15 Rear Door Speaker LH
R 16 Rear Door Speaker RH
R 17 Rear Interior Light (Except S/D)
R 18 Rear Window Defogger (S/D, W/G)
R 18 Rear Window Defogger (L/B)
R 19 Rear Window Defogger (W/G)
R 19 Rear Window Defogger (S/D)
R 19 Rear Window Defogger (L/B)
R 20 Rear Wiper Motor and Relay

S 14 Side Airbag Sensor LH (w/o Curtain Shield Airbag)
S 14 Side Airbag Sensor LH (w/ Curtain Shield Airbag)
S 15 Side Airbag Sensor RH (w/o Curtain Shield Airbag)
S 15 Side Airbag Sensor RH (w/ Curtain Shield Airbag)

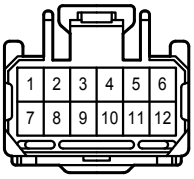
T 11 Telephone Microphone Amplifier
T 16 Tweeter Front LH
T 17 Tweeter Front RH
T 18 Tweeter Rear LH
T 19 Tweeter Rear RH
T 22 Tire Pressure Monitor Receiver

V 8 Vanity Light LH
V 9 Vanity Light RH

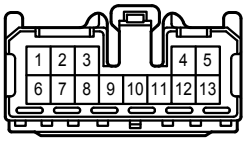
J 30



J 31



J 32



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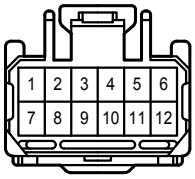

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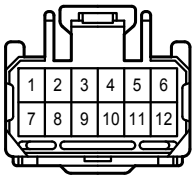
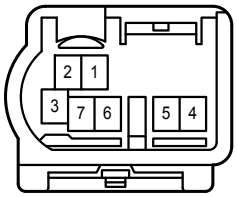


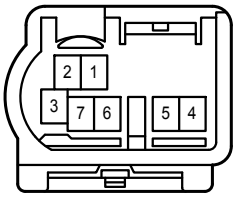
L 1
Black

L 2
Black

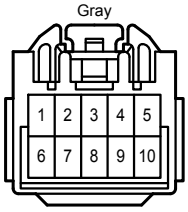
M 4



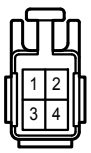
M 5



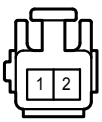
M 6
Gray



M 7



N 7



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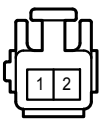
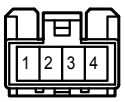


P 8



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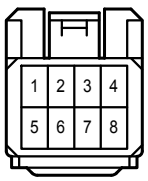

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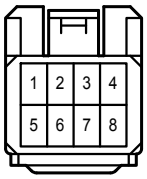

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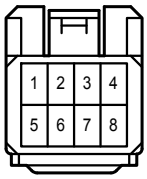
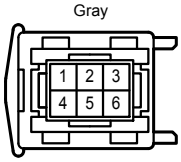
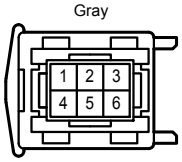


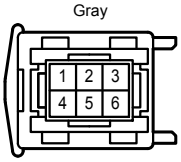
P 12
Gray



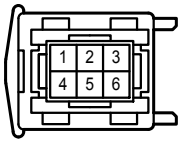
P 13
Gray



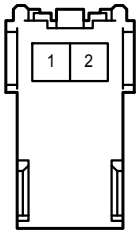
P 14
Gray



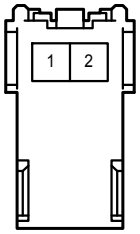
P 15
Gray



P 16
Yellow

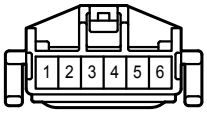


P 17
Yellow

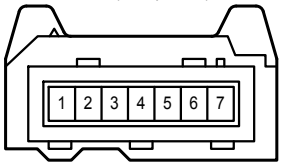


R 12
Black

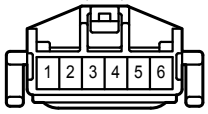
R 13
(W/G)



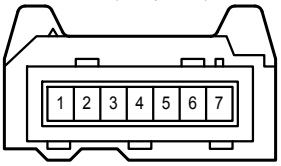
R 13
Black (Except W/G)



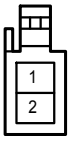
R 14
(W/G)



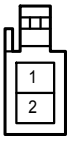
R 14
Black (Except W/G)



R 15
Black

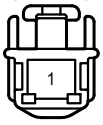


R 16
Black



R 17
(Except S/D)

R 18
(S/D, W/G)



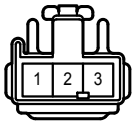
R 18
(L/B)

R 19
(W/G)

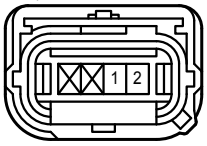
R 19
(S/D)

R 19
(L/B)

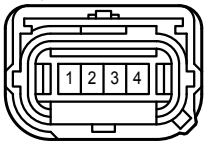
R 20
Black



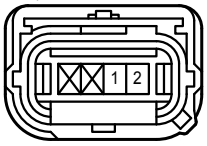
S 14
Yellow (w/o Curtain Shield Airbag)



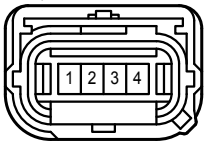
S 14
Yellow (w/ Curtain Shield Airbag)



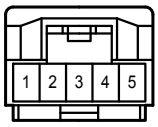
S 15
Yellow (w/o Curtain Shield Airbag)



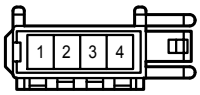
S 15
Yellow (w/ Curtain Shield Airbag)



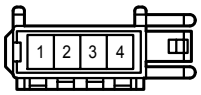
T 11



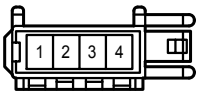
T 16



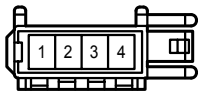
T 17



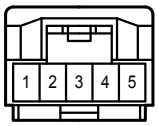
T 18



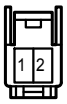
T 19



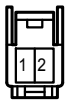
T 22

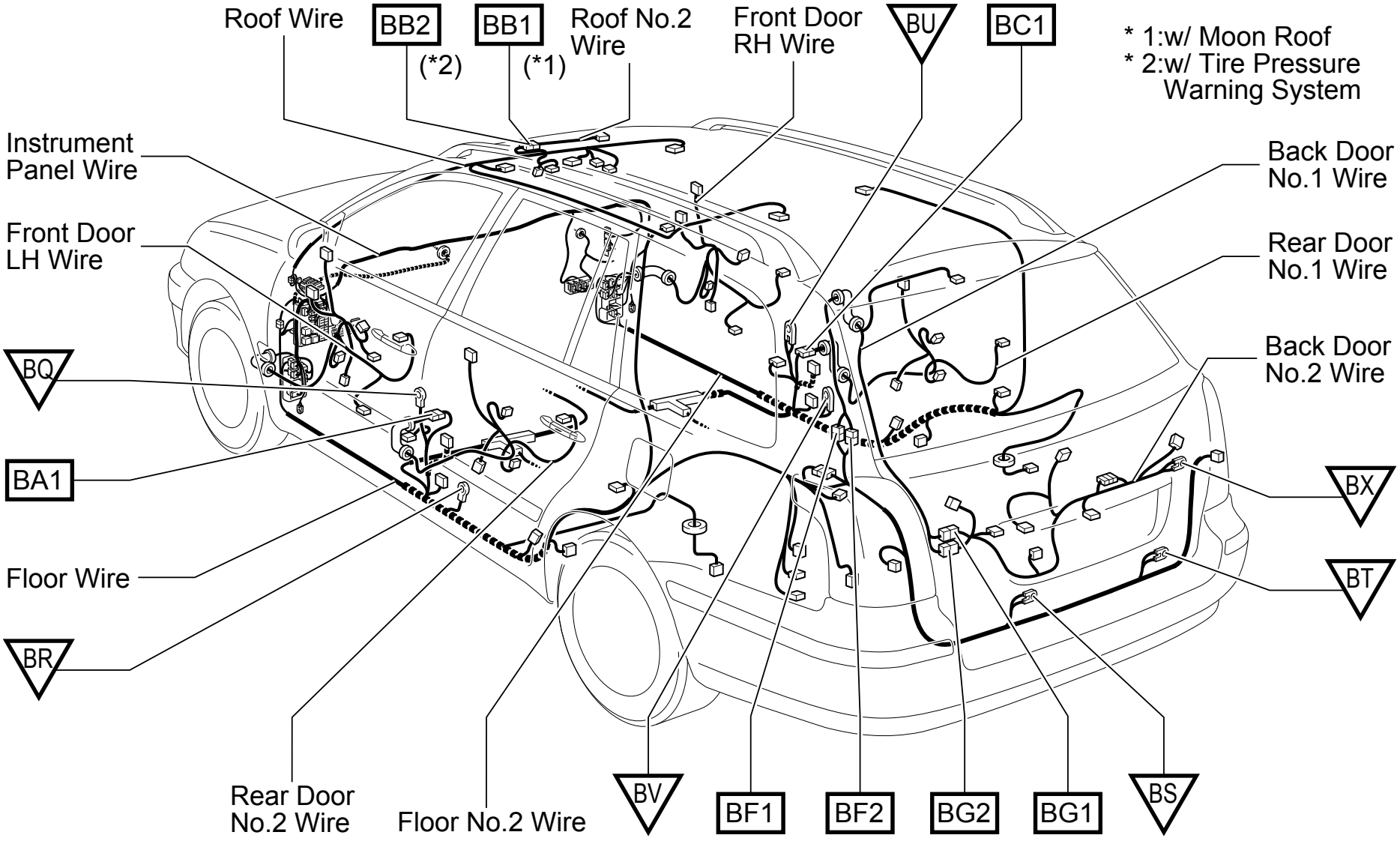


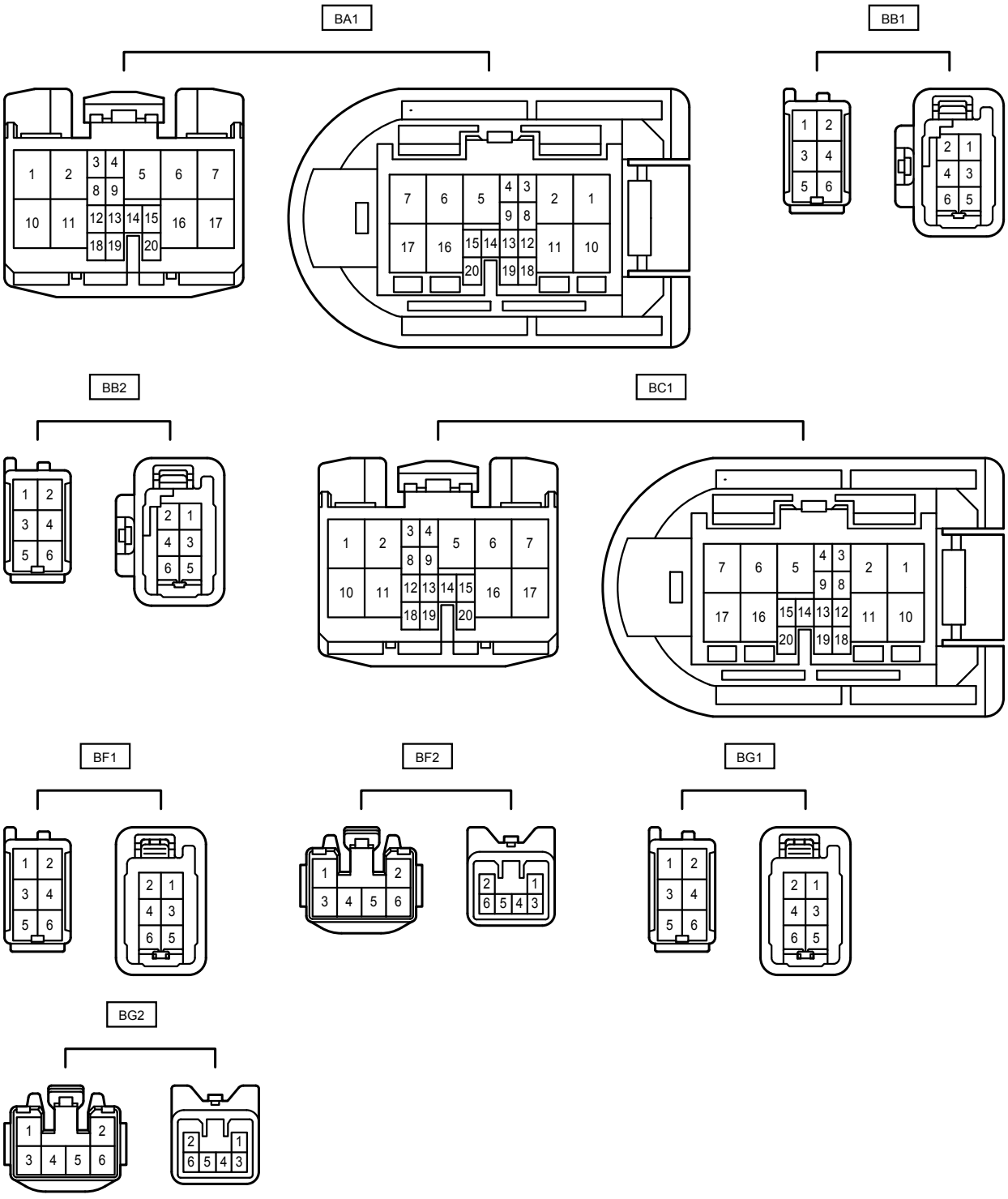
V 8

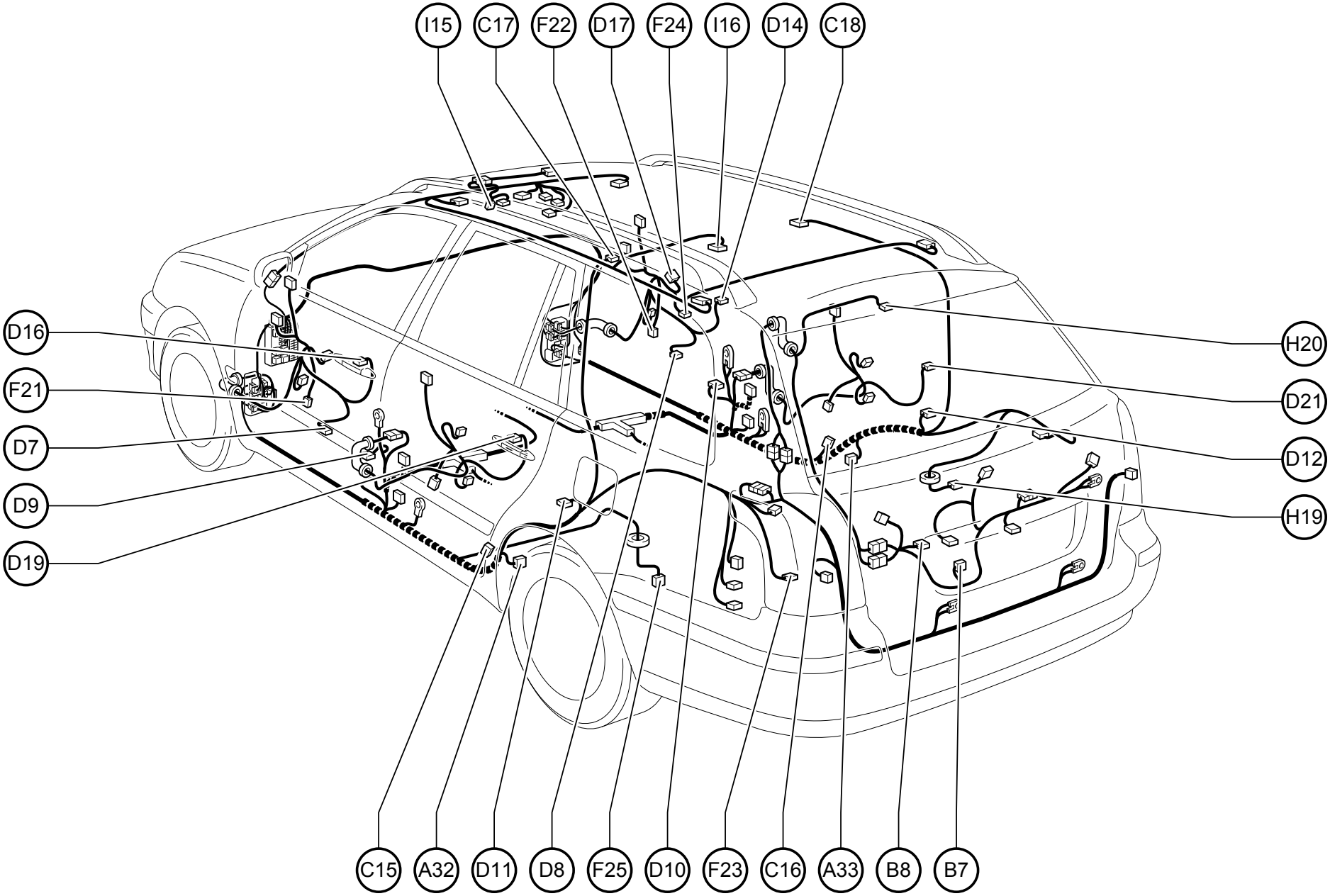


V 9




Roof Wire
BB2
(*2)
BB1
(*1)
Roof No.2 Wire
Front Door RH Wire
BU
BC1
* 1:w/ Moon Roof
* 2:w/ Tire Pressure Warning System
Instrument Panel Wire
Front Door LH Wire
Back Door No.1 Wire
Rear Door No.1 Wire
Back Door No.2 Wire
BQ
BA1
Floor Wire
BR
BX
BT
Rear Door No.2 Wire
Floor No.2 Wire
BV
BF1
BF2
BG2
BG1
BS


BA1
BB1
BB2
BC1
BF1
BF2
BG1
BG2


I15
C17
F22
D17
F24
I16
D14
C18
D16
F21
D7
D9
D19
H20
D21
D12
H19
C15
A32
D11
D8
F25
D10
F23
C16
A33
B8
B7

A 32 ABS Speed Sensor Rear LH
A 33 ABS Speed Sensor Rear RH

B 7 Back Door Courtesy SW , Back Door Lock Motor (W/G)
B 7 Back Door Courtesy SW , Back Door Lock Motor (L/B)
B 8 Back Door Opener SW

C 15 Curtain Shield Airbag Sensor LH
C 16 Curtain Shield Airbag Sensor RH
C 17 Curtain Shield Airbag Squib LH
C 18 Curtain Shield Airbag Squib RH

D 7 Door Courtesy Light LH
D 8 Door Courtesy Light RH
D 9 Door Courtesy SW Front LH
D 10 Door Courtesy SW Front RH
D 11 Door Courtesy SW Rear LH
D 12 Door Courtesy SW Rear RH
D 14 Door Key Lock and Unlock SW (Driver's Side) , Door Lock Control Motor (Driver's Side) , Door Unlock Detection SW (Driver's Side) , Double Lock Motor (Driver's Side) , Double Lock Position SW (Driver's Side)
D 16 Door Lock Control Motor (Front Passenger's Side) , Door Unlock Detection SW (Front Passenger's Side) , Double Lock Motor (Front Passenger's Side) , Double Lock Position SW (Front Passenger's Side)
D 17 Door Lock Control SW , Power Window Master SW
D 19 Door Lock Motor Rear LH , Door Unlock Detection SW Rear LH , Double Lock Motor Rear LH , Double Lock Position SW Rear LH
D 21 Door Lock Motor Rear RH , Door Unlock Detection SW Rear RH , Double Lock Motor Rear RH , Double Lock Position SW Rear RH

F 21 Front Door Speaker LH
F 22 Front Door Speaker RH
F 23 Fuel Lid Opener Motor
F 24 Fuel Lid Opener SW
F 25 Fuel Pump , Fuel Sender

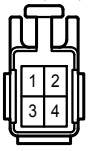
H 19 Height Control Sensor (Rear)
H 20 High Mounted Stop Light (W/G)
H 20 High Mounted Stop Light (S/D)
H 20 High Mounted Stop Light (L/B)

I 15 Inner Mirror
I 16 Interior Light

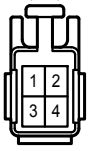
A 32

A 33

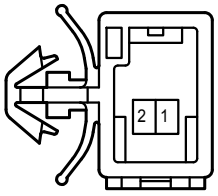
B 7
Blue (W/G)



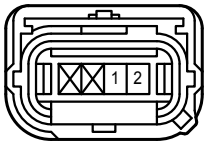
B 7
(L/B)



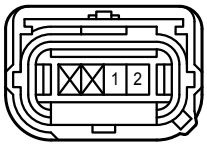
B 8



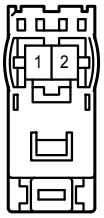
C 15
Yellow



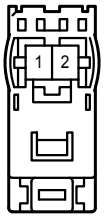
C 16
Yellow



C 17
Black



C 18
Black



D 7

D 8

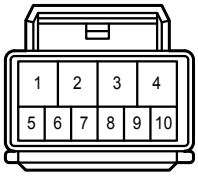
D 9

D 10

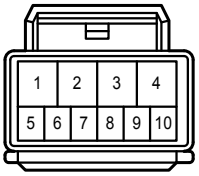
D 11

D 12

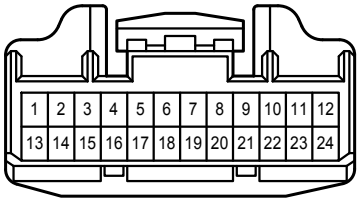
D 14



D 16

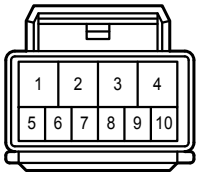


D 17

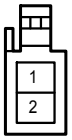


D 19

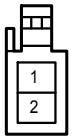
D 21



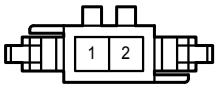
F 21
Black



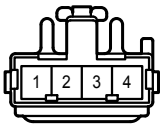
F 22
Black



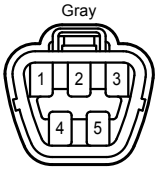
F 23
Black



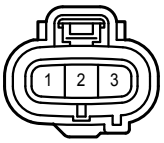
F 24



F 25
Gray

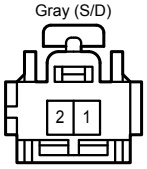


H 19
Black



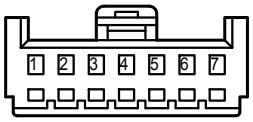
H 20
Black (W/G)

H 20
Gray (S/D)

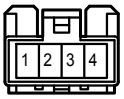


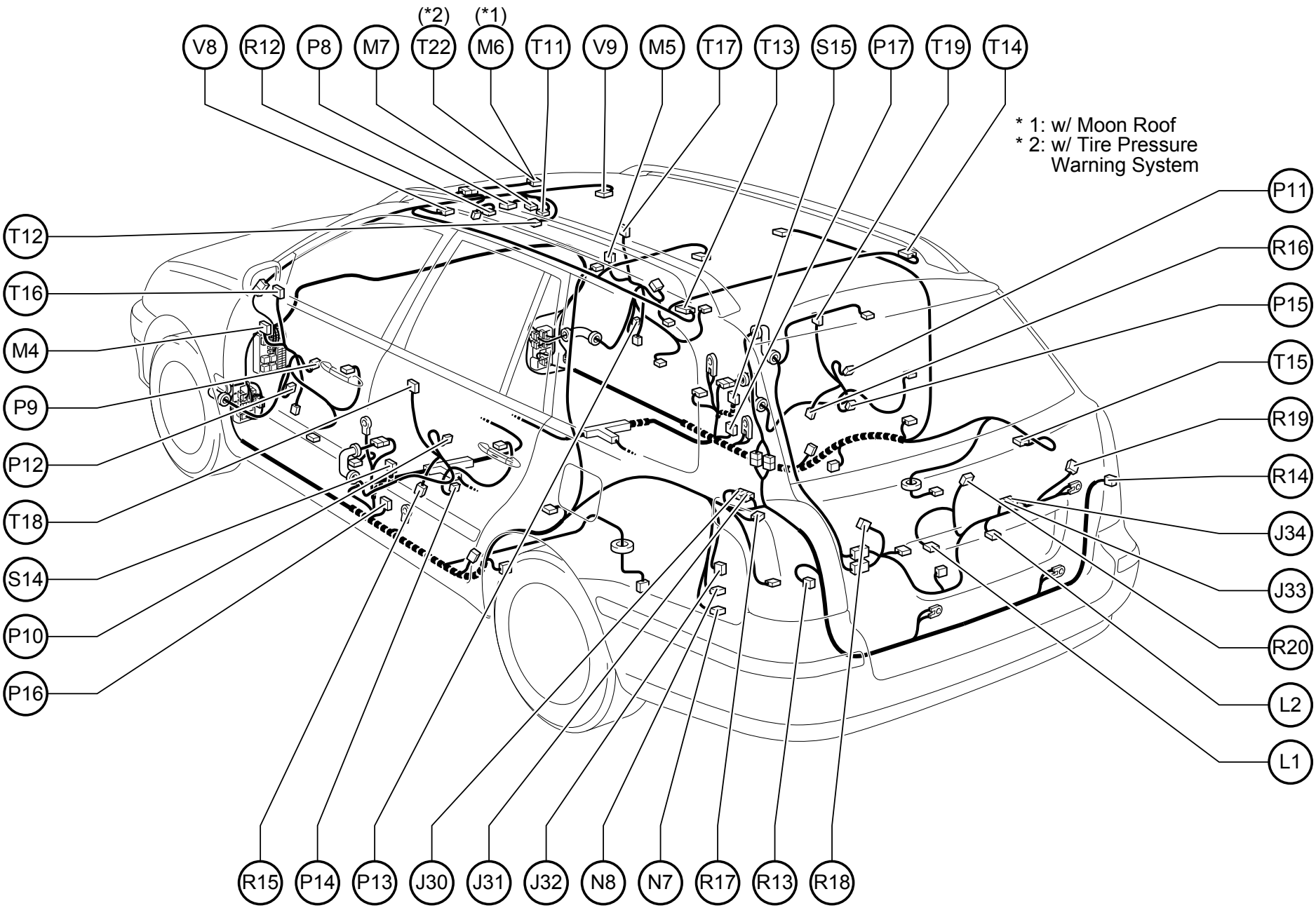
H 20
(L/B)

I 15
Black



I 16




(*2)
(*1)
V8
R12
P8
M7
T22
M6
T11
V9
M5
T17
T13
S15
P17
T19
T14
* 1: w/ Moon Roof
* 2: w/ Tire Pressure Warning System
T12
T16
M4
P9
P12
T18
S14
P10
P16
P11
R16
P15
T15
R19
R14
J34
J33
R20
L2
L1
R15
P14
P13
J30
J31
J32
N8
N7
R17
R13
R18

J 30 Junction Connector
J 31 Junction Connector
J 32 Junction Connector
J 33 Junction Connector
J 34 Junction Connector

L 1 License Plate Light LH
L 2 License Plate Light RH

M 4 Mirror Heater LH , Remote Control Mirror LH
M 5 Mirror Heater RH , Remote Control Mirror RH
M 6 Moon Roof Control Relay and Motor
M 7 Moon Roof Control SW

N 7 Noise Filter (Rear Window Defogger No.2)
N 8 Noise Filter (Stop Light)

P 8 Personal Light
P 9 Power Window Control SW (Front Passenger Side)
P 10 Power Window Control SW Rear LH
P 11 Power Window Control SW Rear RH
P 12 Power Window Motor Front LH
P 13 Power Window Motor Front RH
P 14 Power Window Motor Rear LH
P 15 Power Window Motor Rear RH
P 16 Pretensioner LH
P 17 Pretensioner RH

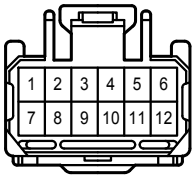
R 12 Rain Sensor
R 13 Rear Combination Light LH (W/G)
R 13 Rear Combination Light LH (Except W/G)
R 14 Rear Combination Light RH (W/G)
R 14 Rear Combination Light RH (Except W/G)
R 15 Rear Door Speaker LH
R 16 Rear Door Speaker RH
R 17 Rear Interior Light (Except S/D)
R 18 Rear Window Defogger (S/D, W/G)
R 18 Rear Window Defogger (L/B)
R 19 Rear Window Defogger (W/G)
R 19 Rear Window Defogger (S/D)
R 19 Rear Window Defogger (L/B)
R 20 Rear Wiper Motor and Relay

S 14 Side Airbag Sensor LH (w/o Curtain Shield Airbag)
S 14 Side Airbag Sensor LH (w/ Curtain Shield Airbag)
S 15 Side Airbag Sensor RH (w/o Curtain Shield Airbag)
S 15 Side Airbag Sensor RH (w/ Curtain Shield Airbag)

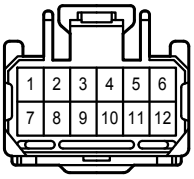
T 11 Telephone Microphone Amplifier
T 12 Theft Warning Ultrasonic Sensor
T 13 Theft Warning Ultrasonic Sensor Rear LH
T 14 Theft Warning Ultrasonic Sensor Rear RH
T 15 Theft Warning Siren
T 16 Tweeter Front LH
T 17 Tweeter Front RH
T 18 Tweeter Rear LH
T 19 Tweeter Rear RH
T 22 Tire Pressure Monitor Receiver

V 8 Vanity Light LH
V 9 Vanity Light RH

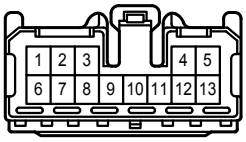
J 30



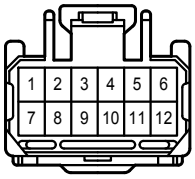
J 31



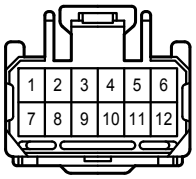
J 32



J 33



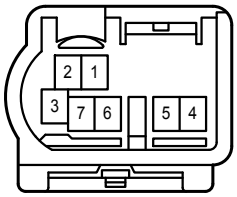
J 34



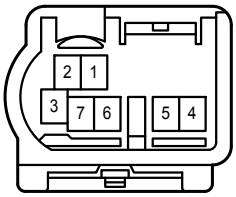
L 1
Black

L 2
Black

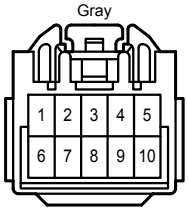
M 4



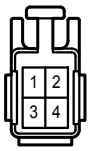
M 5



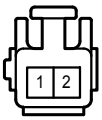
M 6
Gray



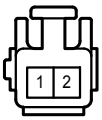
M 7



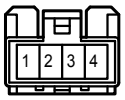
N 7



N 8



P 8



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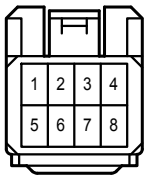

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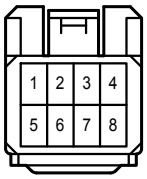

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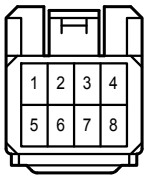
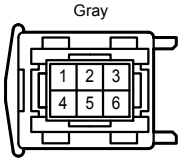


P 12
Gray



P 13
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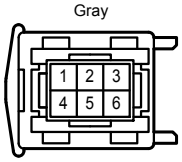

P 14
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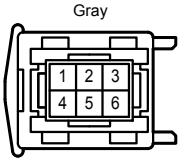
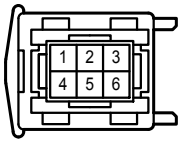
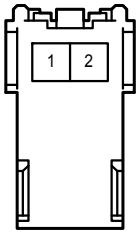


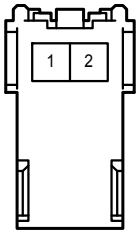
P 15
Gray



P 16
Yellow

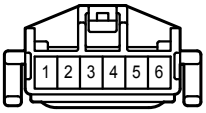


P 17
Yellow

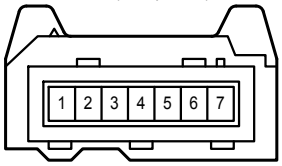


R 12
Black

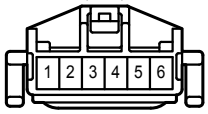
R 13
(W/G)



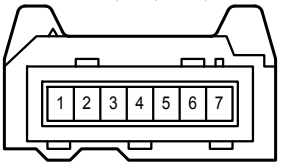
R 13
Black (Except W/G)



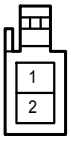
R 14
(W/G)



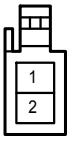
R 14
Black (Except W/G)



R 15
Black

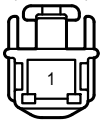


R 16
Black



R 17
(Except S/D)

R 18
(S/D, W/G)



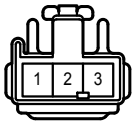
R 18
(L/B)

R 19
(W/G)

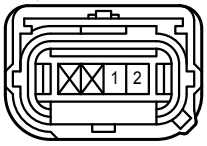
R 19
(S/D)

R 19
(L/B)

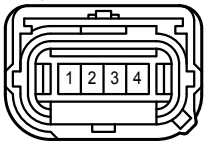
R 20
Black



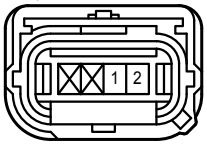
S 14
Yellow (w/o Curtain Shield Airbag)



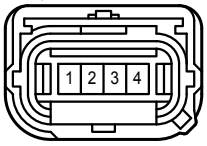
S 14
Yellow (w/ Curtain Shield Airbag)



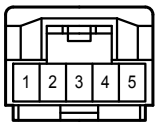
S 15
Yellow (w/o Curtain Shield Airbag)



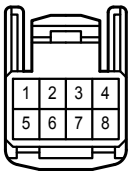
S 15
Yellow (w/ Curtain Shield Airbag)



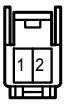
T 11



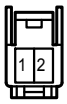
T 12



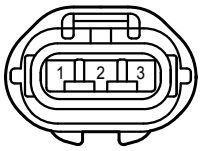
T 13



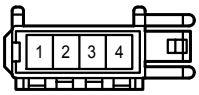
T 14
Black



T 15
Black



T 16



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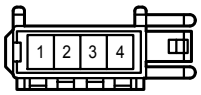
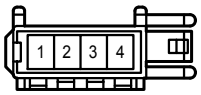
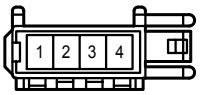


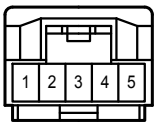
T 18



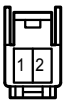
T 19



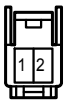
T 22

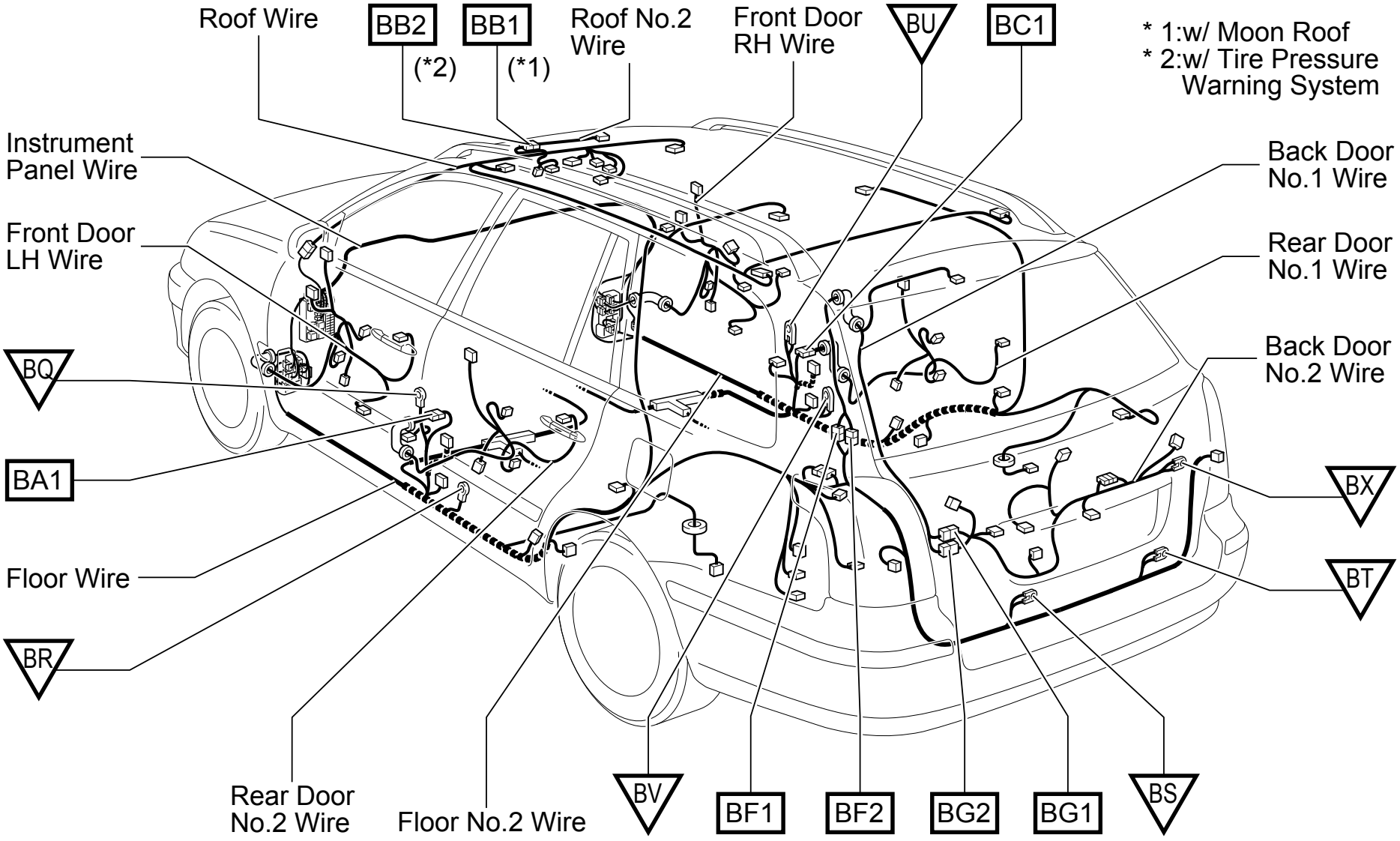


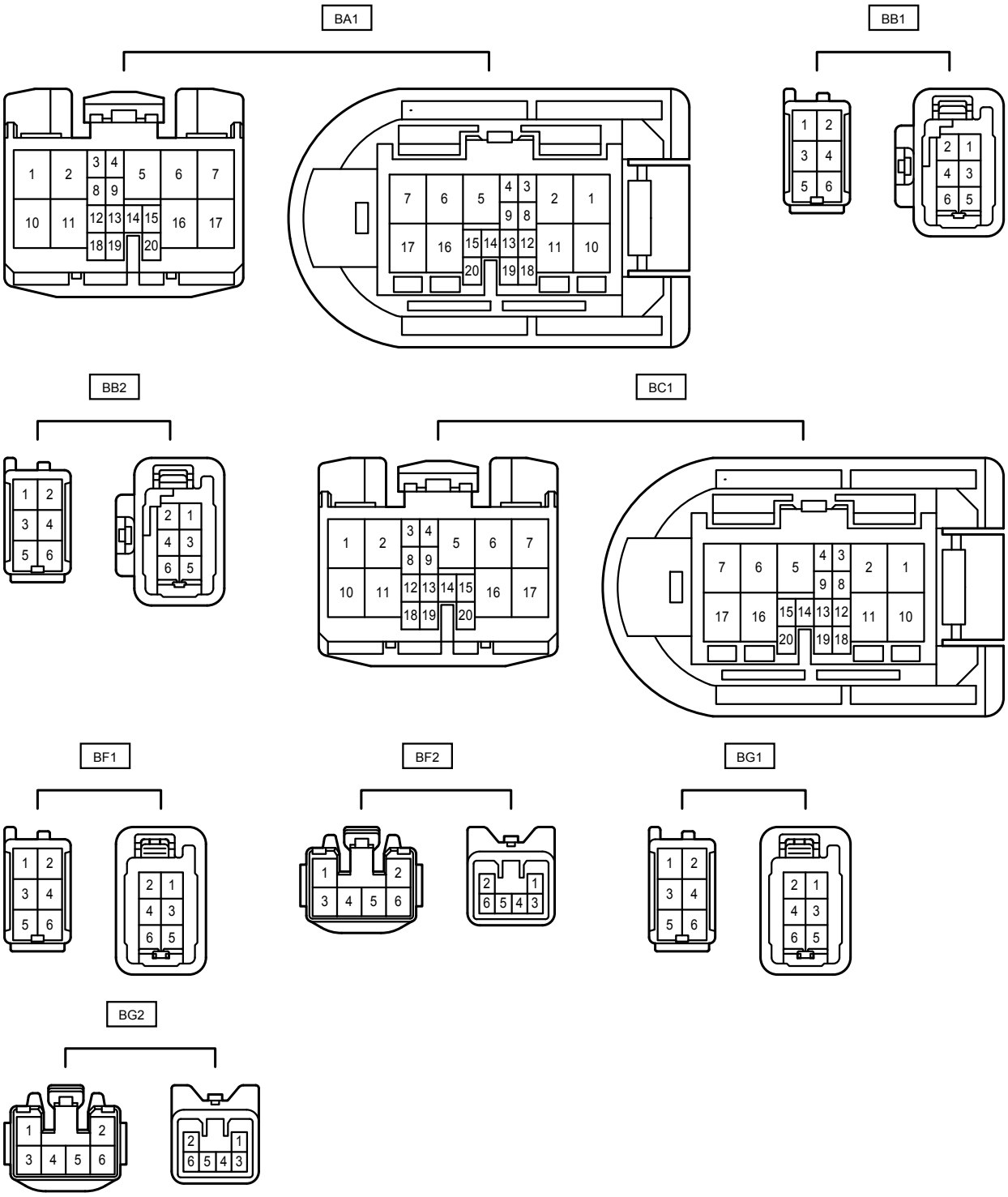
V 8

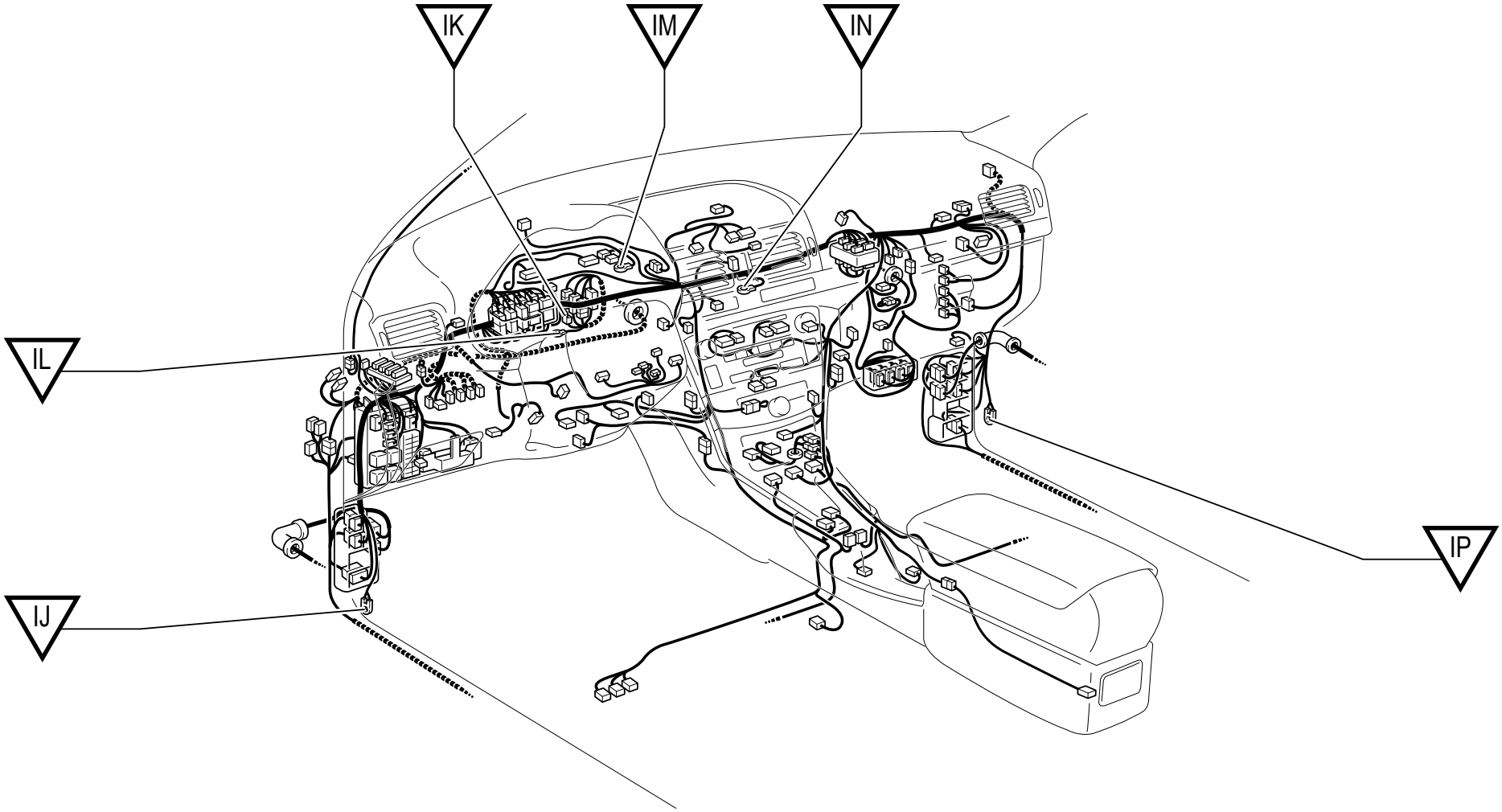


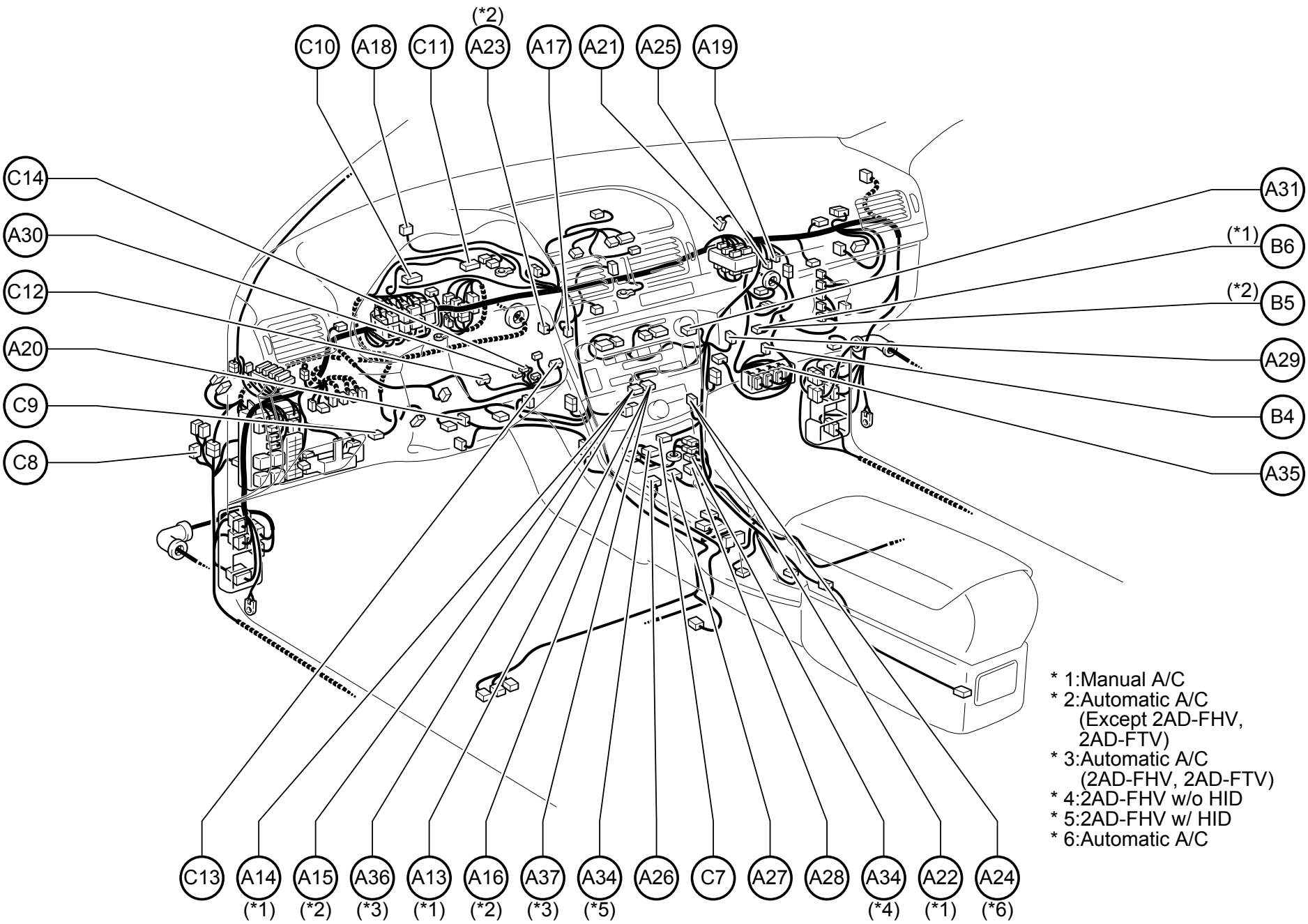
V 9




Roof Wire
BB2
(*2)
BB1
(*1)
Roof No.2 Wire
Front Door RH Wire
BU
BC1
* 1:w/ Moon Roof
* 2:w/ Tire Pressure Warning System
Instrument Panel Wire
Front Door LH Wire
Back Door No.1 Wire
Rear Door No.1 Wire
Back Door No.2 Wire
BQ
BA1
Floor Wire
BR
BX
BT
Rear Door No.2 Wire
Floor No.2 Wire
BV
BF1
BF2
BG2
BG1
BS


BA1
BB1
BB2
BC1
BF1
BF2
BG1
BG2


IK
IM
IN
IL
IJ
IP

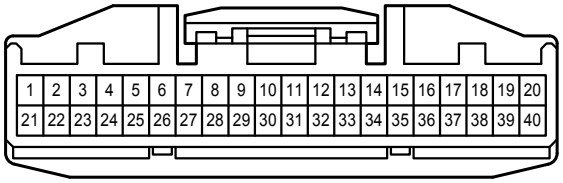

C10
A18
C11
(*2)
A23
A17
A21
A25
A19
C14
A30
C12
A20
C9
C8
A31
(*1)
B6
(*2)
B5
A29
B4
A35
C13
A14
(*1)
A15
(*2)
A36
(*3)
A13
(*1)
A16
(*2)
A37
(*3)
A34
(*5)
A26
C7
A27
A28
A34
(*4)
A22
(*1)
A24
(*6)
* 1:Manual A/C
* 2:Automatic A/C
(Except 2AD-FHV,
2AD-FTV)
* 3:Automatic A/C
(2AD-FHV, 2AD-FTV)
* 4:2AD-FHV w/o HID
* 5:2AD-FHV w/ HID
* 6:Automatic A/C

A 13 A/C Control Assembly
A 14 A/C Control Assembly
A 15 A/C Control Assembly
A 16 A/C Control Assembly
A 17 A/C Room Temp. Sensor
A 18 A/C Solar Sensor
A 19 A/C Thermistor
A 20 Accel Position Sensor
A 21 Air Inlet Control Servo Motor
A 22 Air Mix Control Servo Motor
A 23 Air Mix Control Servo Motor (Driver Side)
A 24 Air Mix Control Servo Motor (Front Passenger Side)
A 25 Air Vent Mode Control Servo Motor
A 26 Airbag Sensor Assembly
A 27 Airbag Sensor Assembly
A 28 Airbag Sensor Assembly
A 29 Airbag Squib (Front Passenger Airbag Assembly)
A 30 Airbag Squib (Steering Wheel Pad)
A 31 Antenna Amplifier
A 34 Air Fuel Ratio Sensor
A 35 Air Fuel Ratio Sensor Relay
A 36 A/C Control Assembly
A 37 A/C Control Assembly

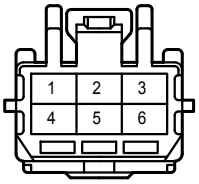
B 4 Blower Motor
B 5 Blower Motor Controller
B 6 Blower Resistor

C 7 Cigarette Lighter , Cigarette Lighter Illumination
C 8 Circuit Opening Relay
C 9 Clutch Start SW
C 10 Combination Meter
C 11 Combination Meter
C 12 Combination SW
C 13 Combination SW
C 14 Combination SW

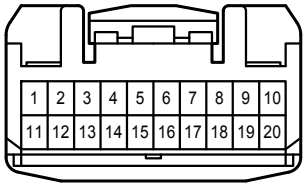
A 13



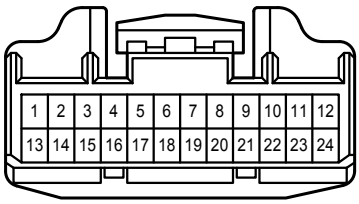
A 14



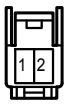
A 15



A 16

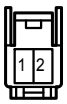


A 17
Black



A 18
Black

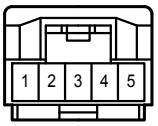
A 19



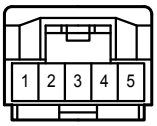
A 20
Black

A 21
Black

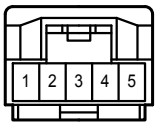
A 22
Black



A 23
Black



A 24
Black



A 25
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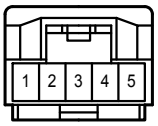
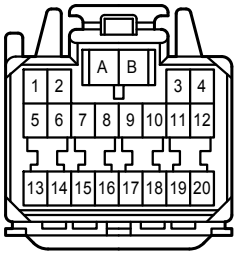
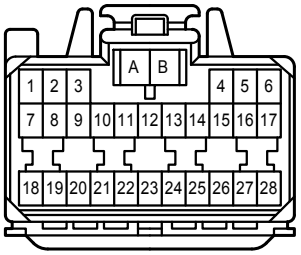


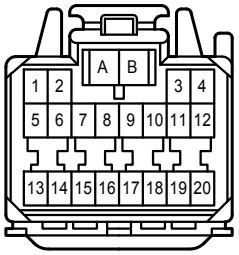
A 26
Yellow



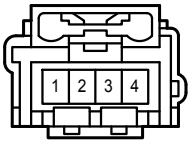
A 27
Yellow



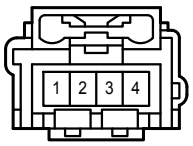
A 28
Yellow



A 29
Yellow



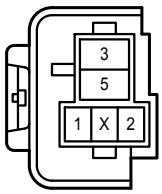
A 30
Yellow



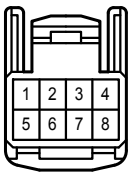
A 31

A 34
Gray

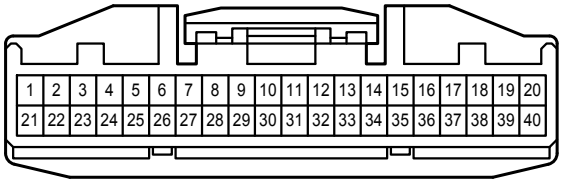
A 35



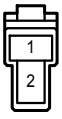
A 36



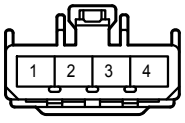
A 37



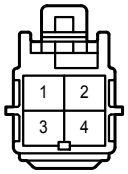
B 4



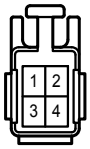
B 5
Black



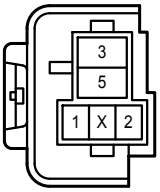
B 6
Black



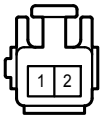
C 7
Black



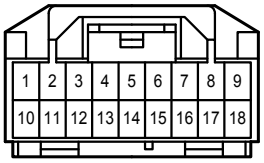
C 8



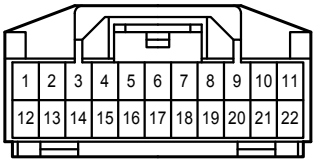
C 9



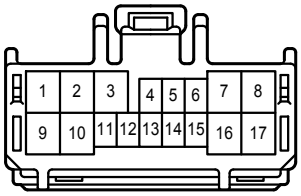
C 10
Blue



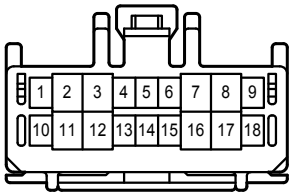
C 11



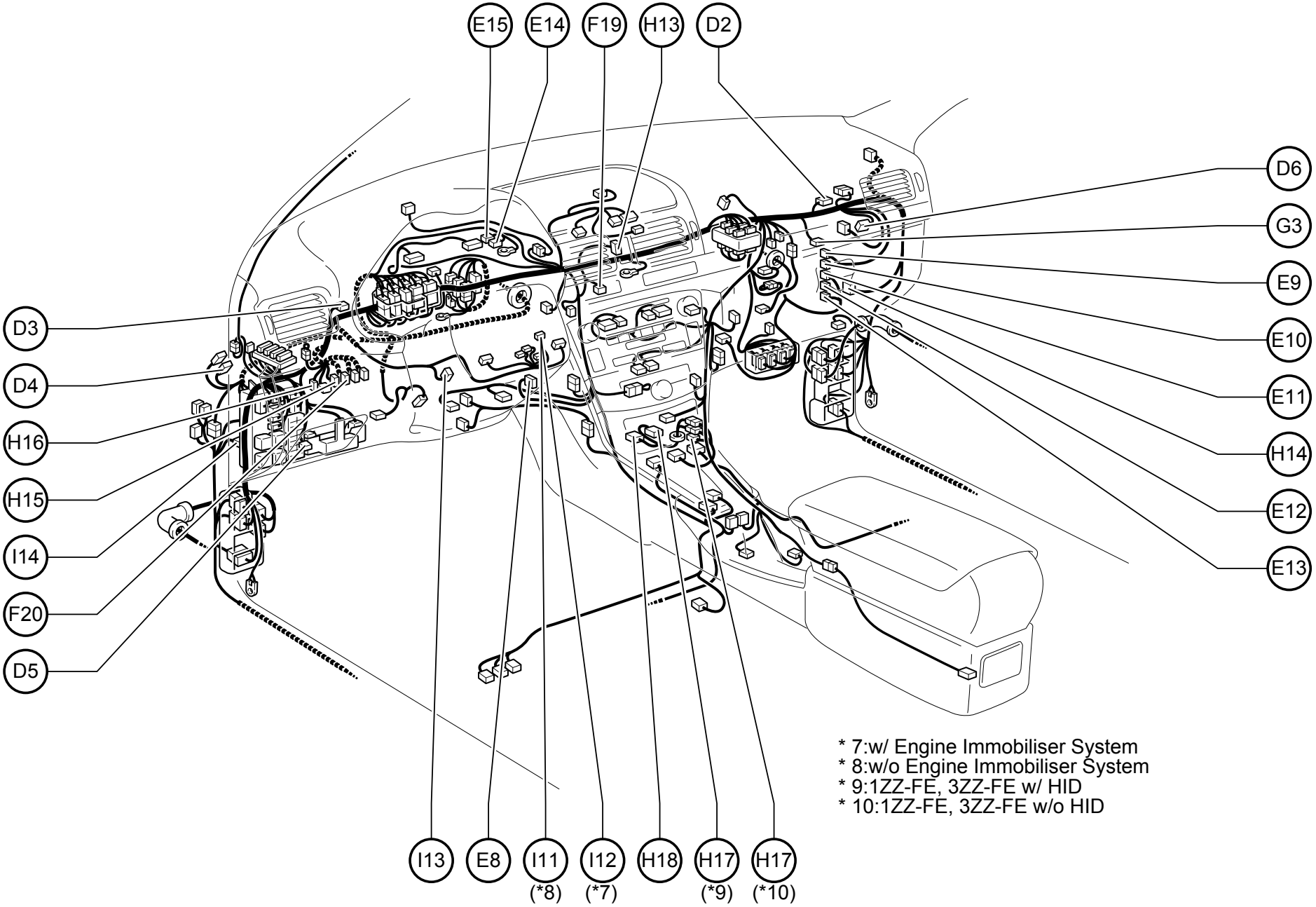
C 12



C 13
Black



C 14


E15
E14
F19
H13
D2
D6
G3
E9
E10
E11
H14
E12
E13
D3
D4
H16
H15
I14
F20
D5
I13
E8
I11
(*8)
I12
(*7)
H18
H17
(*9)
H17
(*10)
* 7:w/ Engine Immobiliser System
* 8:w/o Engine Immobiliser System
* 9:1ZZ-FE, 3ZZ-FE w/ HID
* 10:1ZZ-FE, 3ZZ-FE w/o HID

D 2 Diode
D 3 Diode
D 4 Diode (Fan) (Except 1CD-FTV)
D 4 Diode (Fan) (1CD-FTV)
D 5 DLC3
D 6 Door Control Receiver

E 8 ECT Pattern Select SW
E 9 Engine and ECT ECU (A/T) , Engine ECU (M/T)
E 10 Engine and ECT ECU (A/T) , Engine ECU (M/T)
E 11 Engine and ECT ECU (A/T) , Engine ECU (M/T)
E 12 Engine and ECT ECU (A/T) , Engine ECU (M/T)
E 13 Engine and ECT ECU (A/T) , Engine ECU (M/T)
E 14 EPS ECU
E 15 EPS ECU

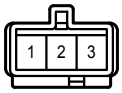
F 19 Front Passenger's Seat Belt Warning Light , Rear Window Defogger SW , Security Indicator Light
F 20 Front Wiper Deicer SW

G 3 Glove Box Light

H 13 Hazard SW
H 14 Headlight Beam Level Control ECU
H 15 Headlight Beam Level Control SW
H 16 Headlight Cleaner SW
H 17 Heated Oxygen Sensor (Bank 1 Sensor 2) (w/o HID)
H 17 Heated Oxygen Sensor (Bank 1 Sensor 2) (w/ HID)
H 18 Height Control Sensor (Front)

I 11 Ignition Key Cylinder Light
I 12 Ignition Key Cylinder Light , Transponder Key Amplifier
I 13 Ignition SW
I 14 Integration Relay

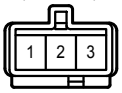
D 2



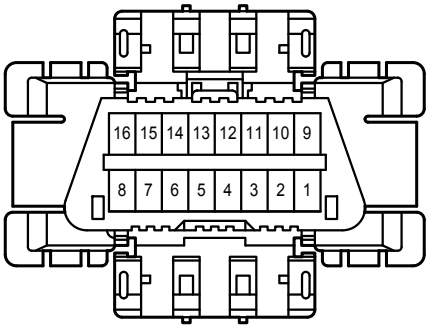
D 3
Black

D 4
(Except 1CD-FTV)

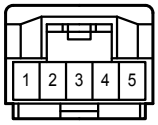
D 4
(1CD-FTV)



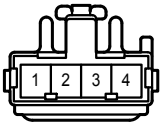
D 5



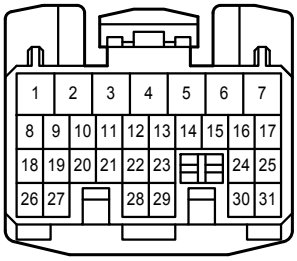
D 6



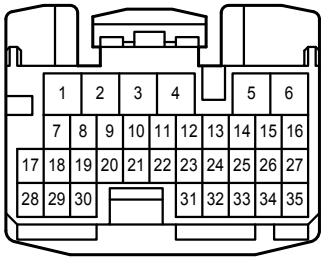
E 8
Black



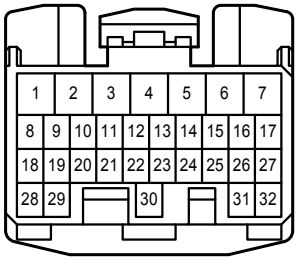
E 9



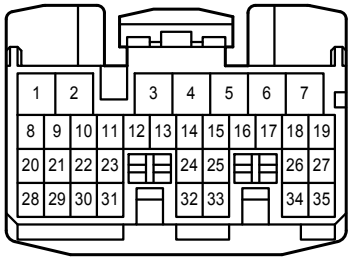
E 10



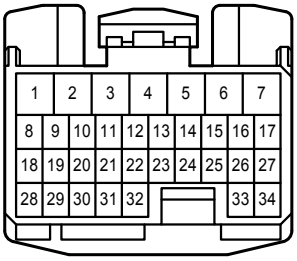
E 11



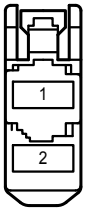
E 12



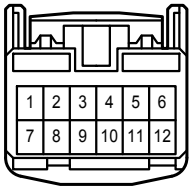
E 13



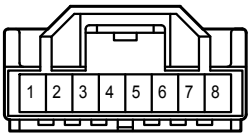
E 14
Gray



E 15



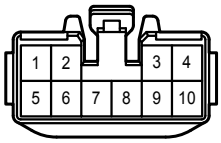
F 19



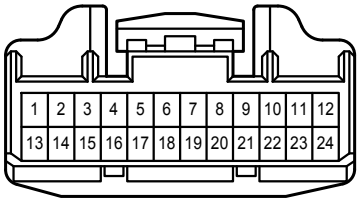
F 20
Black

G 3
Black

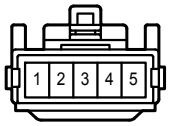
H 13
Black



H 14

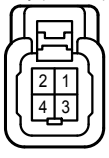


H 15



H 16
Black

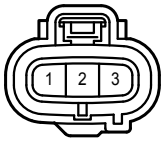
H 17
Gray (w/o HID)



H 17
Gray (w/ HID)

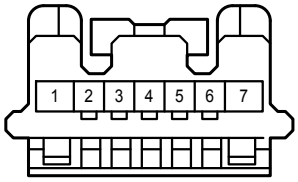
H 18

Black



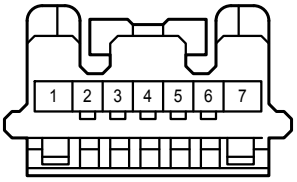
I 11

Black

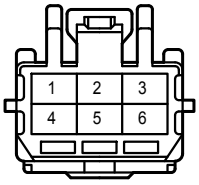


I 12

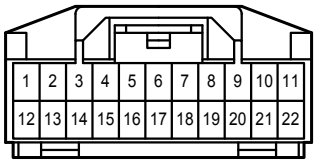
Black

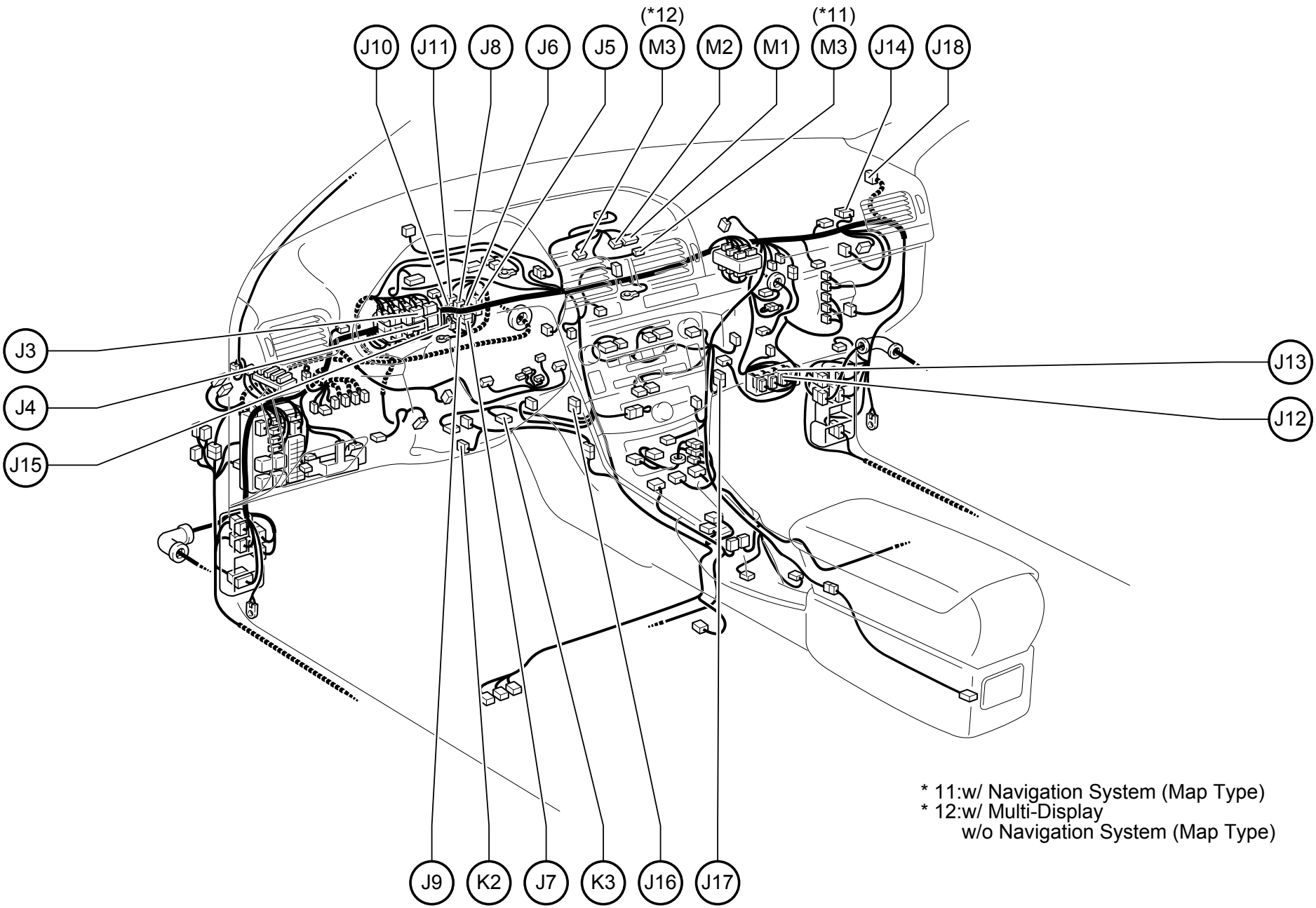


I 13



I 14





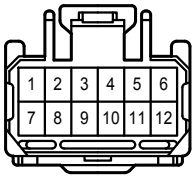
* 11:w/ Navigation System (Map Type)
* 12:w/ Multi-Display
w/o Navigation System (Map Type)

J 3 Junction Connector
J 4 Junction Connector
J 5 Junction Connector
J 6 Junction Connector
J 7 Junction Connector
J 8 Junction Connector
J 9 Junction Connector
J 10 Junction Connector
J 11 Junction Connector
J 12 Junction Connector
J 13 Junction Connector
J 14 Junction Connector
J 15 Junction Connector
J 16 Junction Connector
J 17 Junction Connector
J 18 Junction Connector

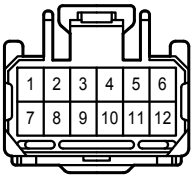
K 2 Kick Down SW
K 3 Knee Airbag Squib

M 1 Multi-Display (w/o Navigation System (Map Type))
M 1 Multi-Display (w/ Navigation System (Map Type))
M 2 Multi-Display (w/o Navigation System (Map Type))
M 2 Multi-Display (w/ Navigation System (Map Type))
M 3 Multi-Display

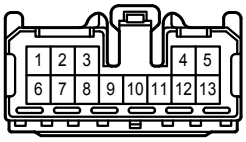
J 3



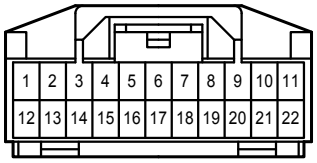
J 4



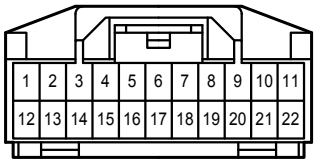
J 5



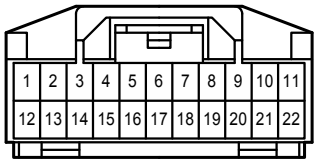
J 6



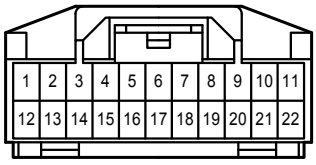
J 7



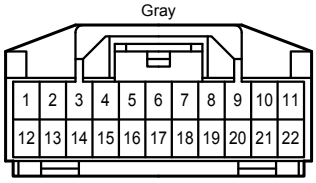
J 8
Black



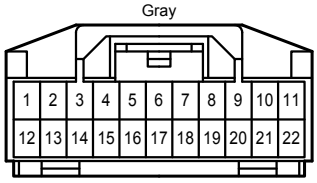
J 9
Black



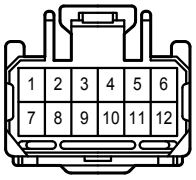
J 10
Gray



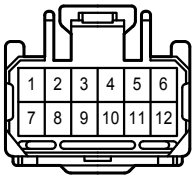
J 11
Gray



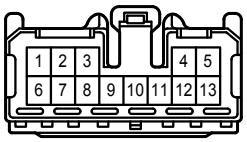
J 12



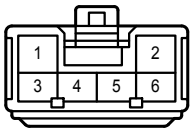
J 13



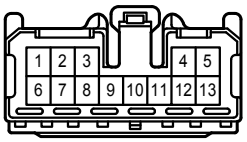
J 14



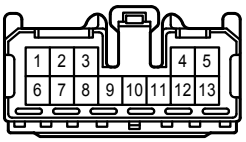
J 15



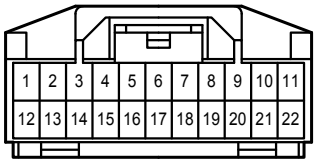
J 16



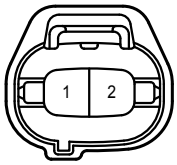
J 17



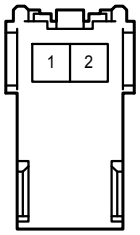
J 18



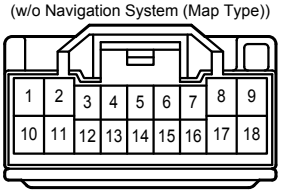
K 2
Black



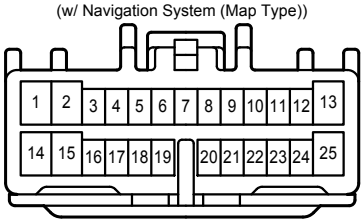
K 3
Yellow



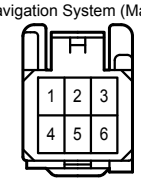
M 1
(w/o Navigation System (Map Type))



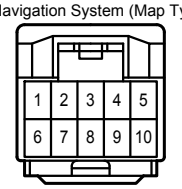
M 1
(w/ Navigation System (Map Type))



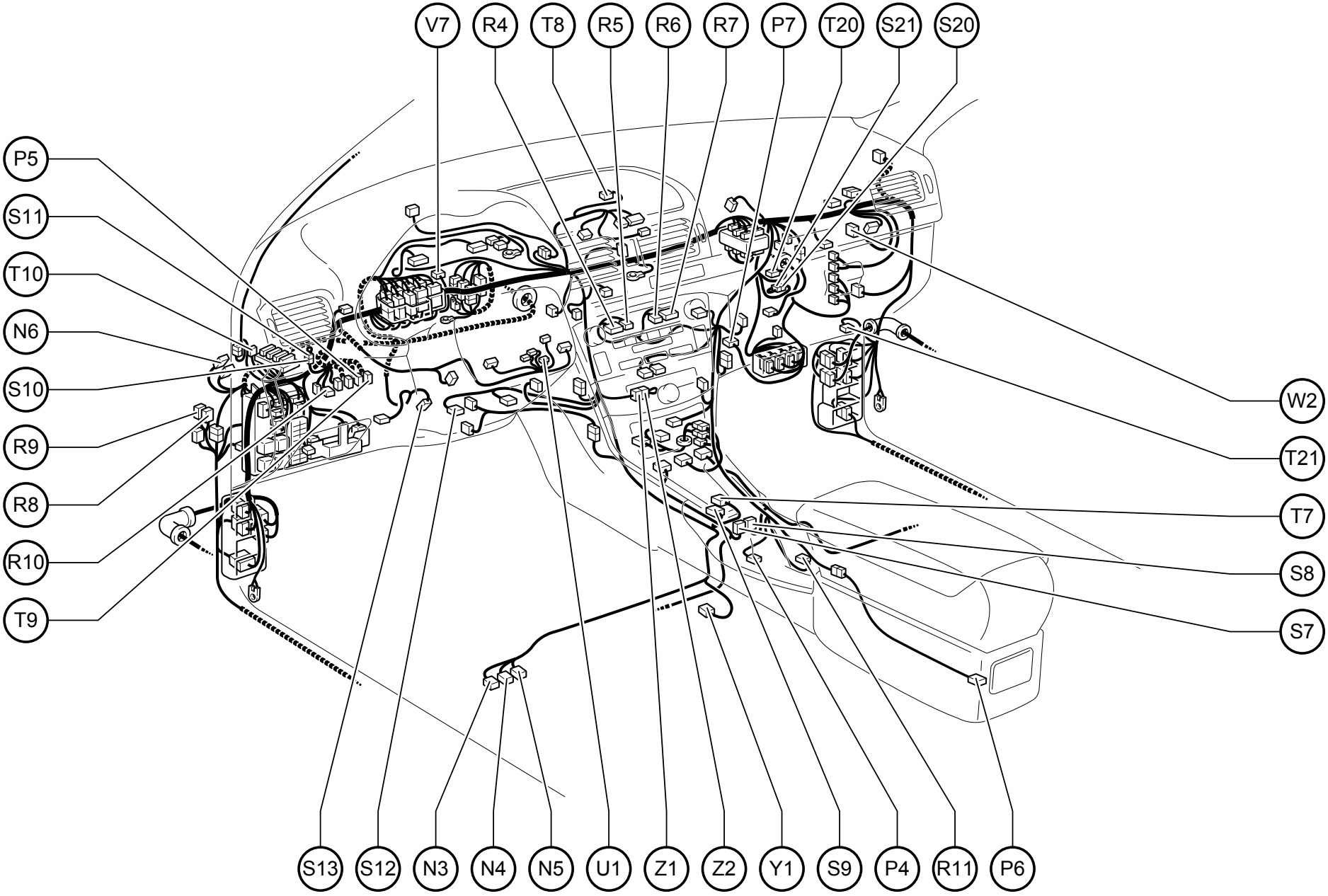
M 2
(w/o Navigation System (Map Type))



M 2
(w/ Navigation System (Map Type))



M 3


V7
R4
T8
R5
R6
R7
P7
T20
S21
S20
P5
S11
T10
N6
S10
R9
R8
R10
T9
W2
T21
T7
S8
S7
S13
S12
N3
N4
N5
U1
Z1
Z2
Y1
S9
P4
R11
P6

N 3 Navigation ECU
N 4 Navigation ECU
N 5 Navigation ECU
N 6 Noise Filter (Rear Window Defogger No.1)

P 4 Parking Brake SW
P 5 Power Heater SW (Power Heater (Combustion Type))
P 5 Power Heater SW (Power Heater (Hot Gas Type))
P 6 Power Outlet
P 7 PTC Heater

R 4 Radio and Player
R 5 Radio and Player
R 6 Radio and Player
R 7 Radio and Player
R 8 Rear Fog Light Relay
R 9 Rear Window Defogger Relay
R 10 Remote Control Mirror SW
R 11 Remote Controller (Navigation)

S 7 Seat Heater SW
S 8 Seat Heater SW
S 9 Shift Lock Control ECU
S 10 Short Connector
S 11 Short Connector
S 12 Steering Sensor
S 13 Stop Light SW (LHD 1AZ-FE)
S 13 Stop Light SW (Except LHD 1AZ-FE)
S 20 Short Connector
S 21 Short Connector

T 7 Transmission Control SW
T 8 Transponder Key Computer
T 9 TRC Off SW
T 10 Turn Signal Flasher Relay
T 20 Tire Pressure Monitor ECU
T 21 Tire Pressure Warning SW

U 1 Unlock Warning SW

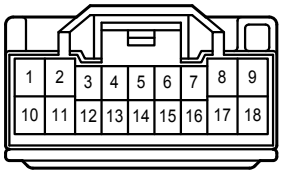
V 7 VSC Warning Buzzer

W 2 Wiper Relay

Y 1 Yaw Rate Sensor

Z 1 Option Connector (Navigation ECU)
Z 2 Option Connector (Navigation ECU)

N 3



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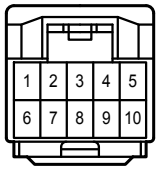

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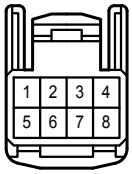
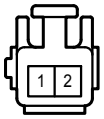


N 6



P 4

Black

P 5

Gray (Power Heater (Combustion Type))

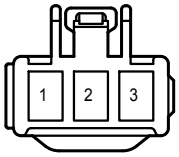
P 5

(Power Heater (Hot Gas Type))

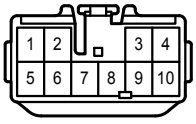
P 6

Black

P 7



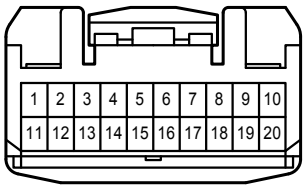
R 4



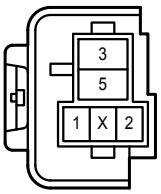
R 5

R 6

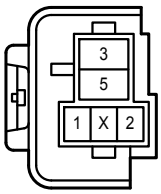
R 7



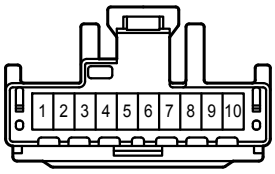
R 8



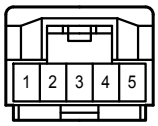
R 9



R 10

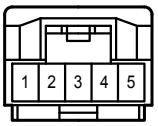


R 11



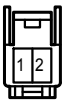
S 7

Black



S 8

Black



S 9

S 10

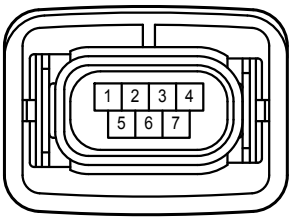
Black

S 11

Black

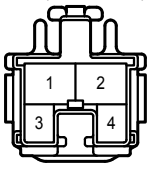
S 12

Black



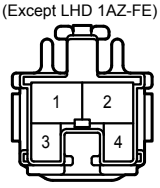
S 13

Black (LHD 1AZ-FE)

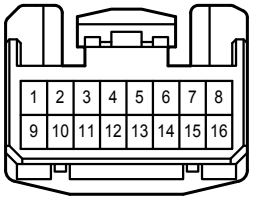


S 13

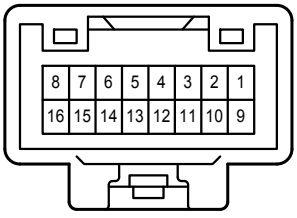
(Except LHD 1AZ-FE)



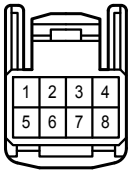
S 20



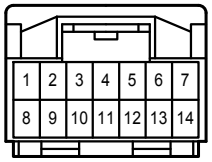
S 21



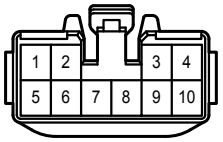
T 7



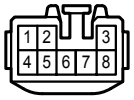
T 8



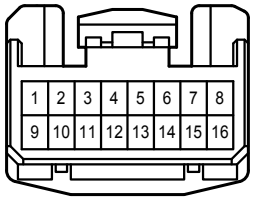
T 9
Black



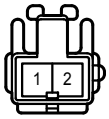
T 10
Black



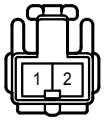
T 20



T 21

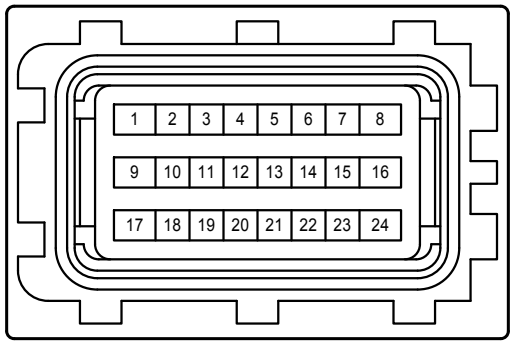


U 1
Black

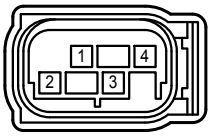


V 7
Black

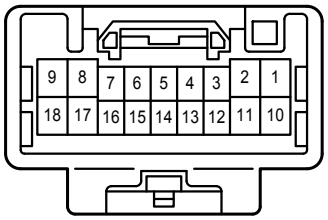
W 2
Black



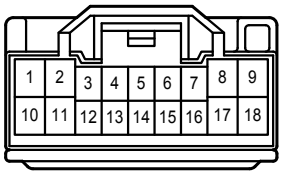
Y 1
Black

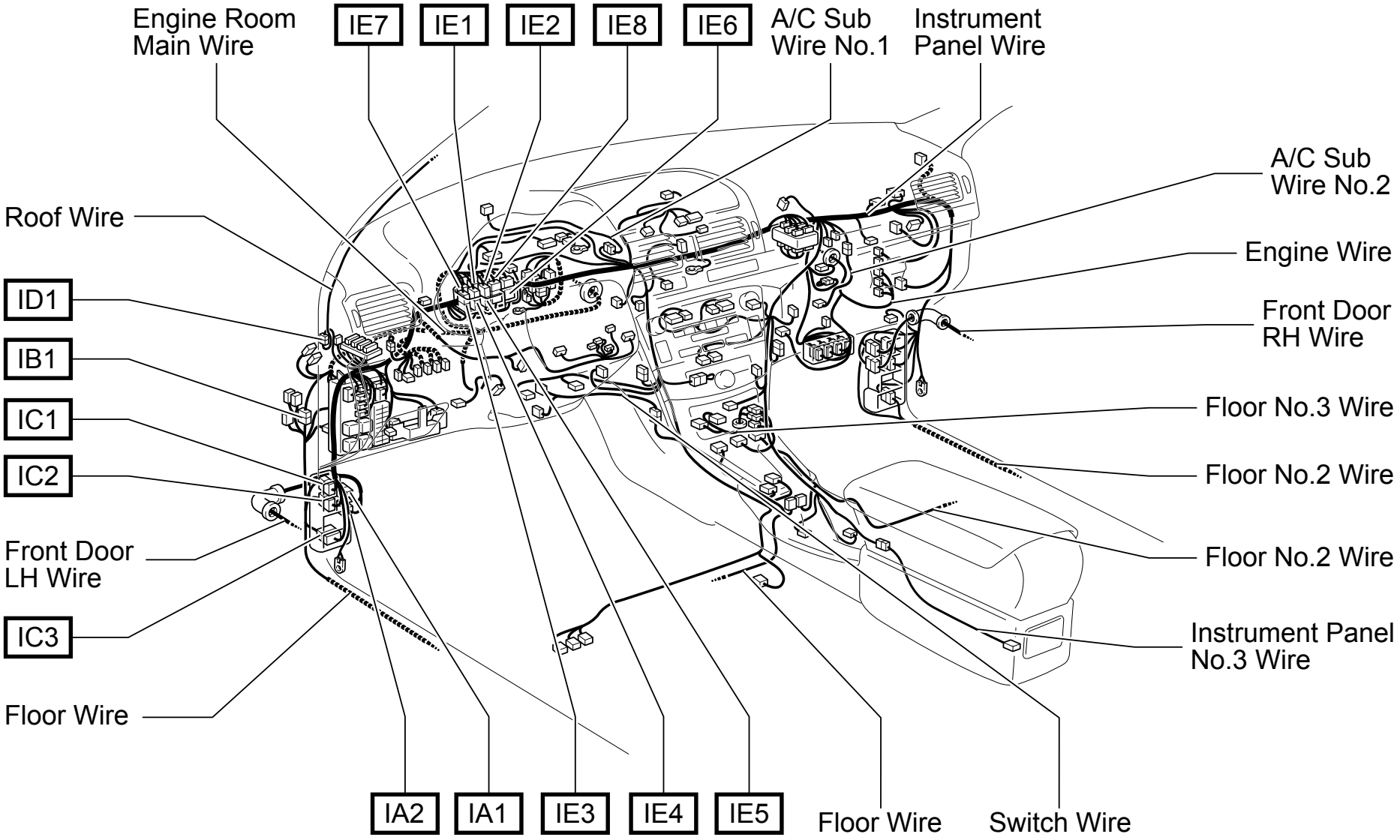


Z 1

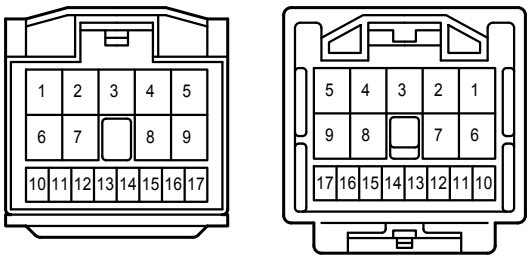


Z 2

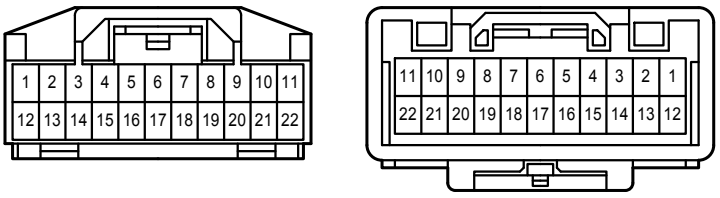



Engine Room Main Wire
IE7
IE1
IE2
IE8
IE6
A/C Sub Wire No.1
Instrument Panel Wire
A/C Sub Wire No.2
Roof Wire
Engine Wire
ID1
Front Door RH Wire
IB1
Floor No.3 Wire
IC1
Floor No.2 Wire
IC2
Front Door LH Wire
Floor No.2 Wire
IC3
Instrument Panel No.3 Wire
Floor Wire
IA2
IA1
IE3
IE4
IE5
Floor Wire
Switch Wire

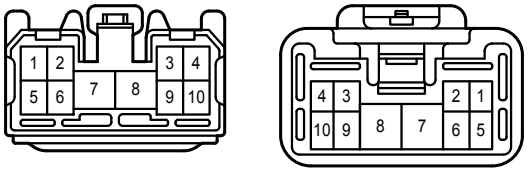
IA1



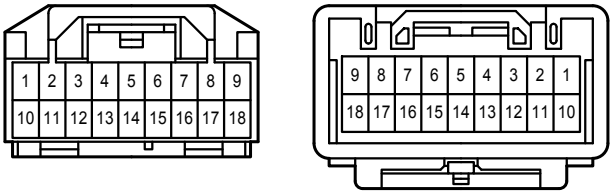
IA2



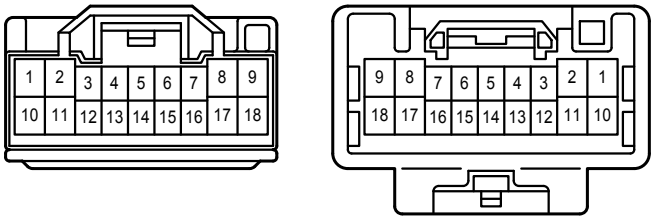
IB1



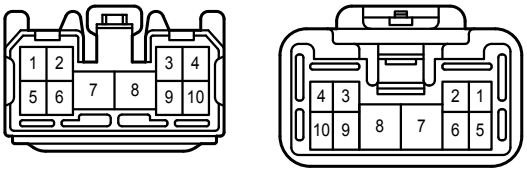
IC1



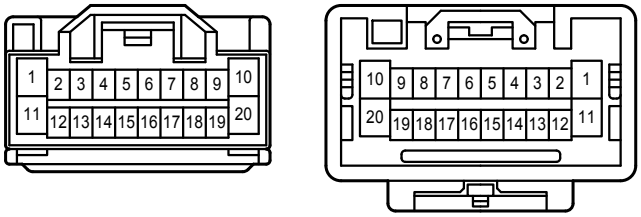
IC2



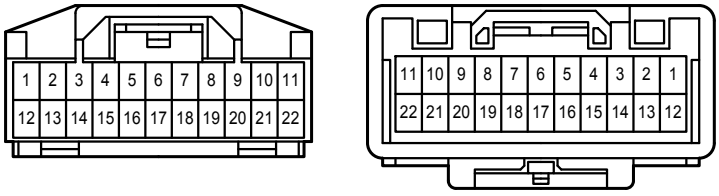
IC3



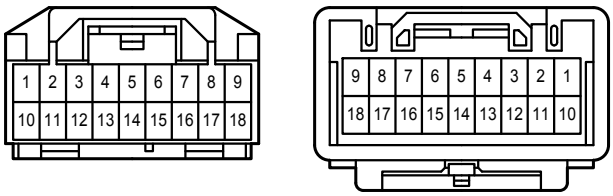
ID1



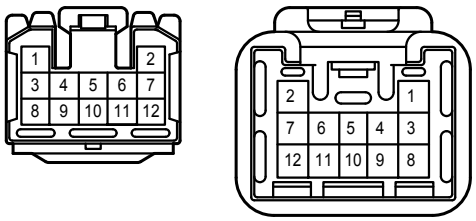
IE1



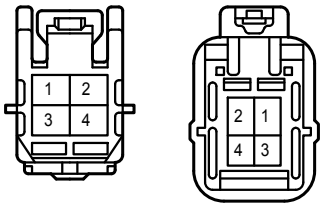
IE2



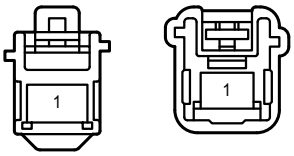
IE3



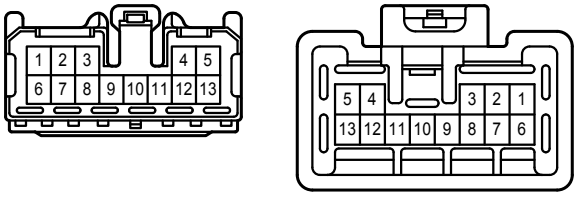
IE4



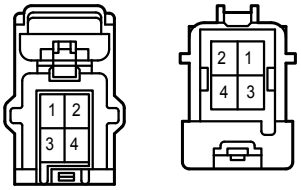
IE5



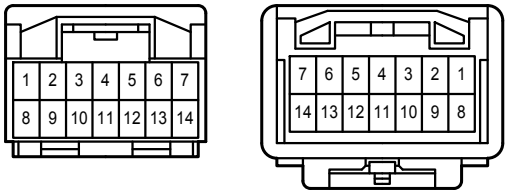
IE6

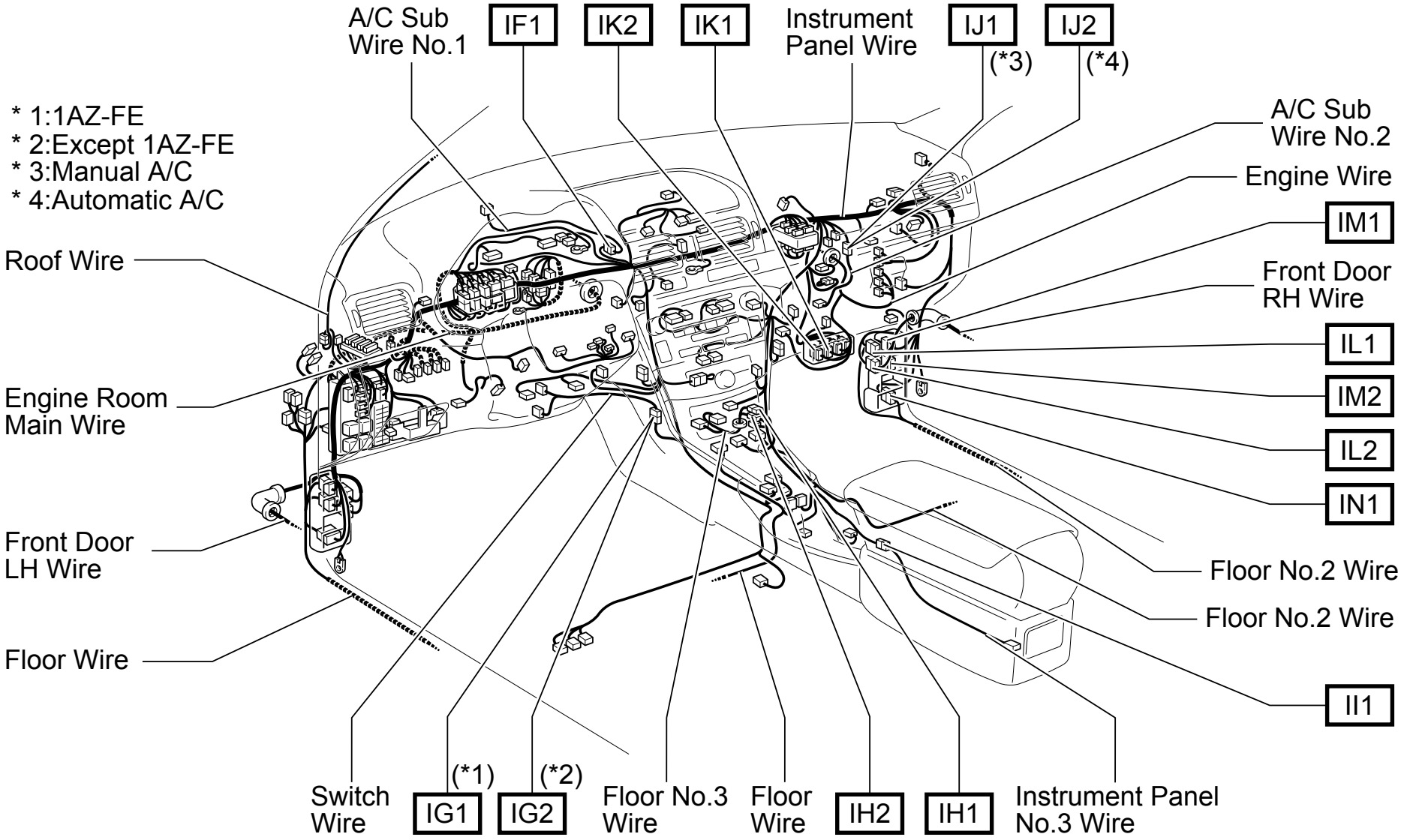


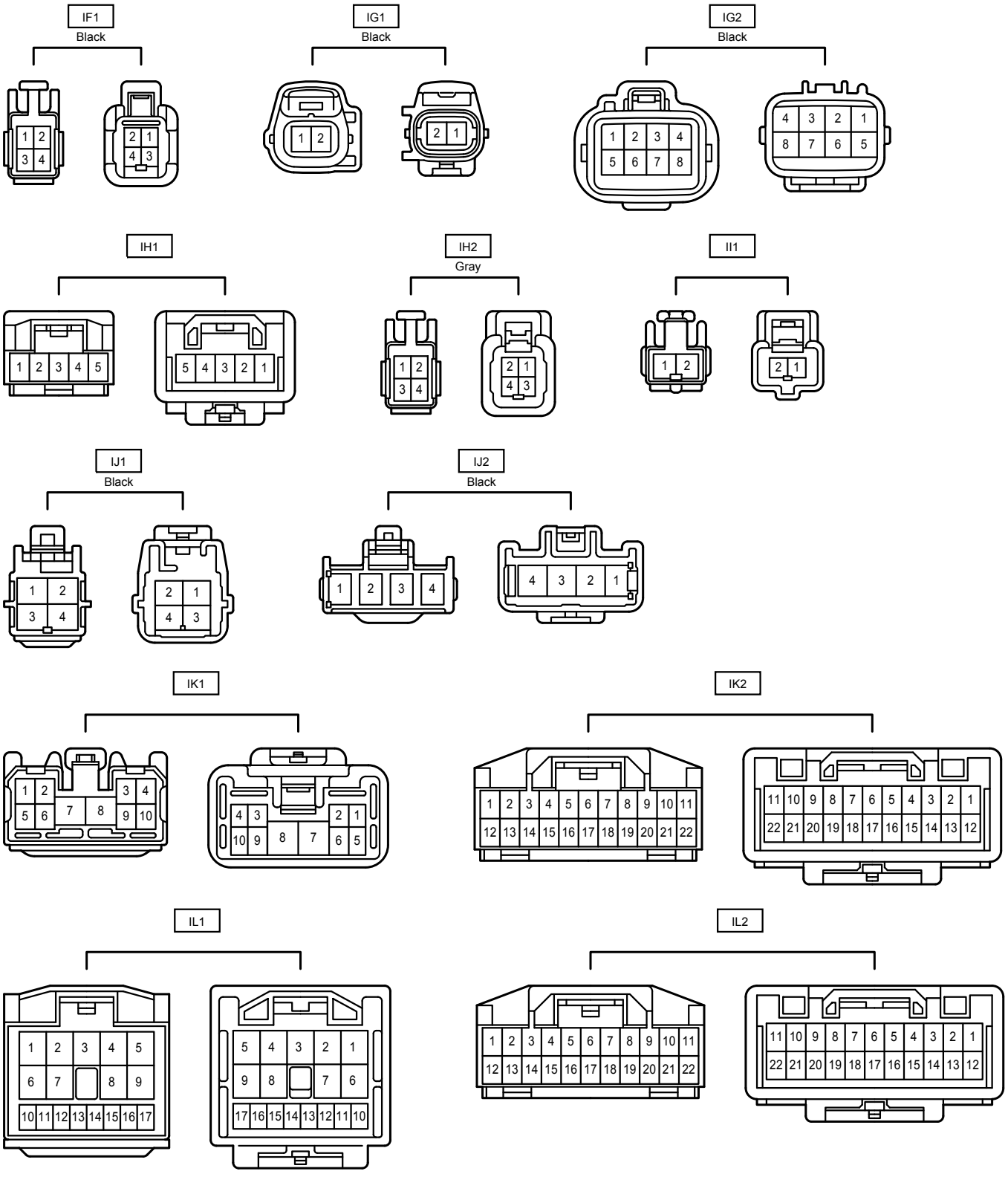
IE7
Yellow

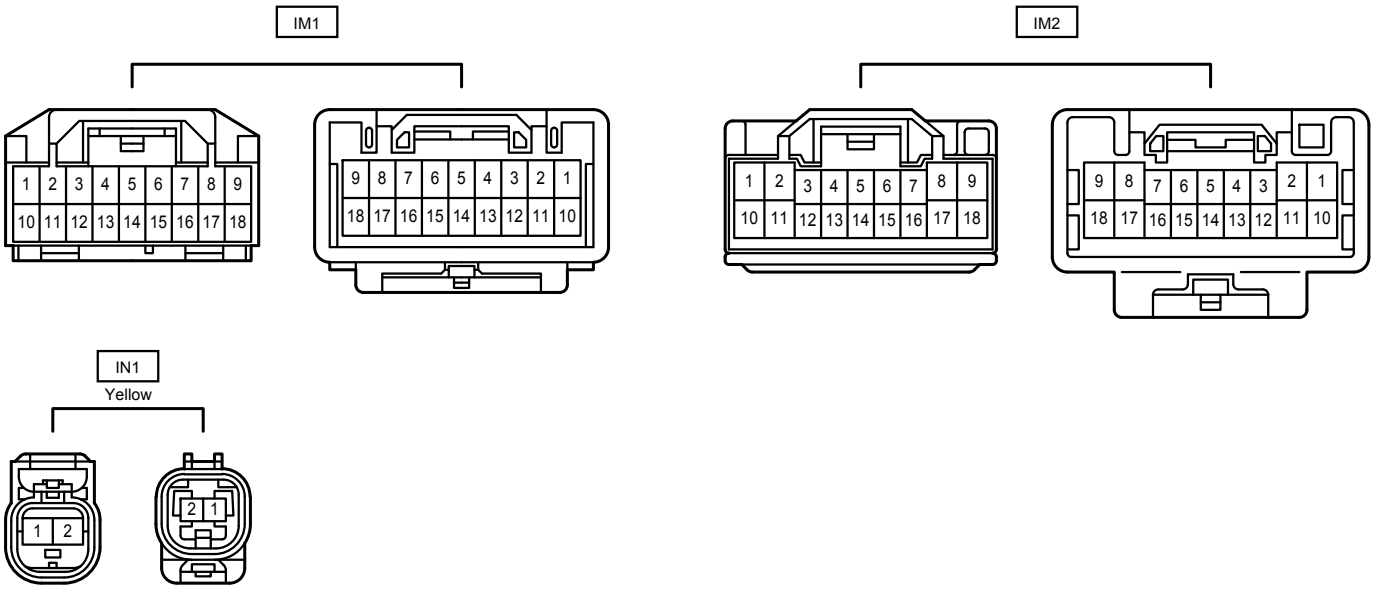


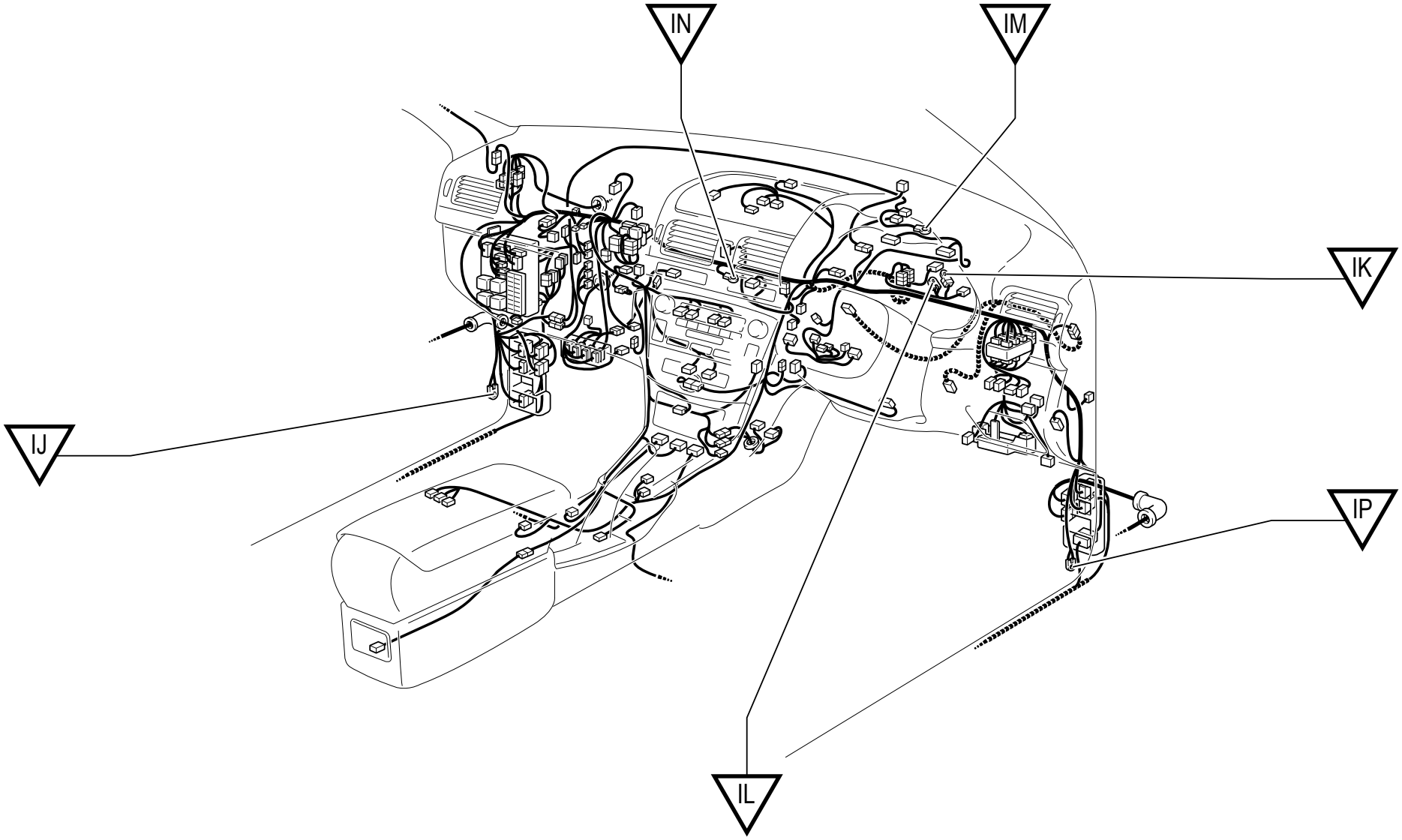
IE8

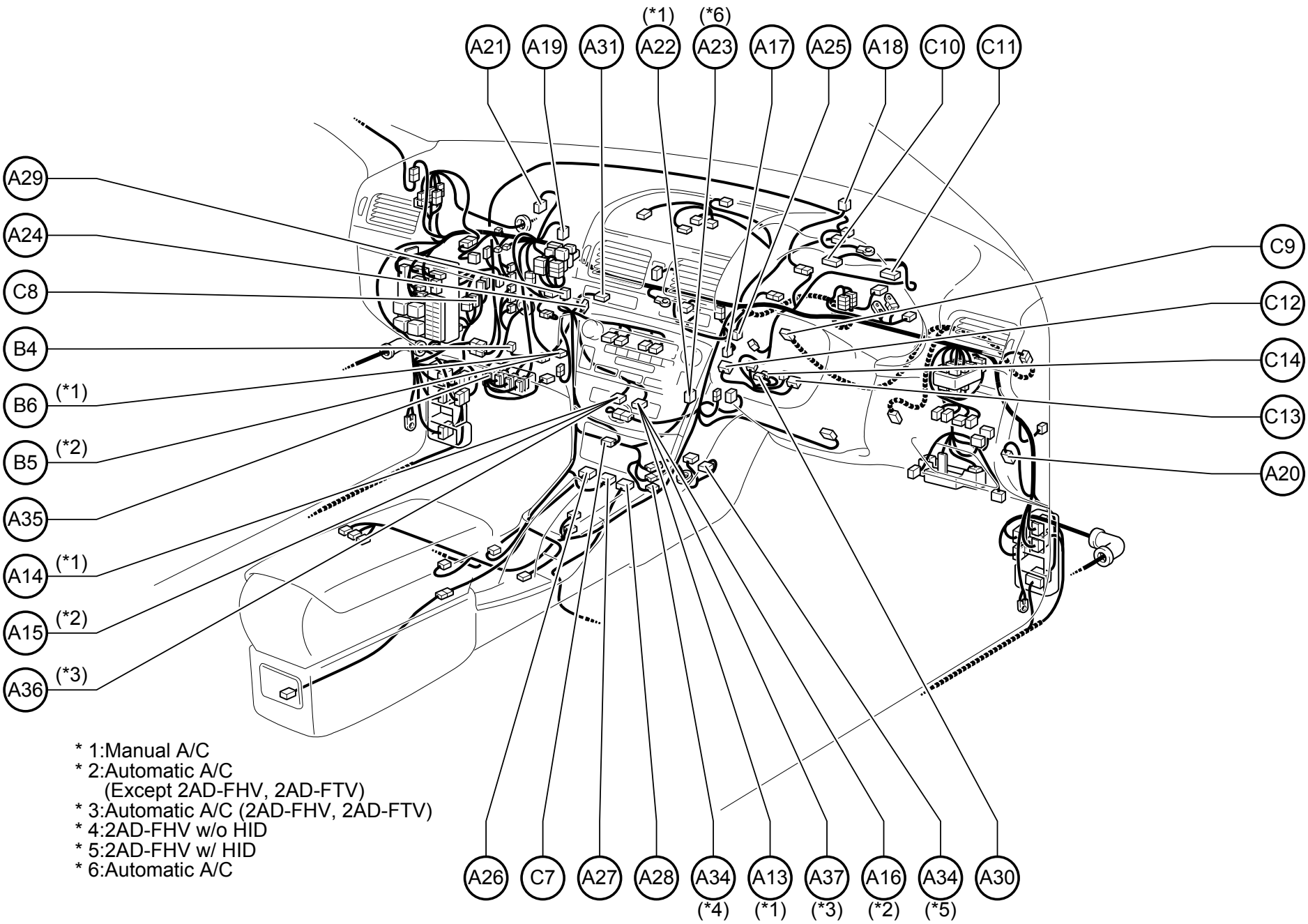



A/C Sub Wire No.1
IF1
IK2
IK1
Instrument Panel Wire
IJ1
(*3)
IJ2
(*4)
* 1:1AZ-FE
* 2:Except 1AZ-FE
* 3:Manual A/C
* 4:Automatic A/C
A/C Sub Wire No.2
Engine Wire
IM1
Roof Wire
Front Door RH Wire
IL1
Engine Room Main Wire
IM2
IL2
IN1
Front Door LH Wire
Floor No.2 Wire
Floor No.2 Wire
Floor Wire
II1
(*1)
(*2)
Switch Wire
IG1
IG2
Floor No.3 Wire
Floor Wire
IH2
IH1
Instrument Panel No.3 Wire


IF1
Black
IG1
Black
IG2
Black
IH1
IH2
Gray
II1
IJ1
Black
IJ2
Black
IK1
IK2
IL1
IL2


IM1
1 2 3 4 5 6 7 8 9
10 11 12 13 14 15 16 17 18
9 8 7 6 5 4 3 2 1
18 17 16 15 14 13 12 11 10
IM2
1 2 3 4 5 6 7 8 9
10 11 12 13 14 15 16 17 18
9 8 7 6 5 4 3 2 1
18 17 16 15 14 13 12 11 10
IN1
Yellow
1 2
2 1


IN
IM
IK
IJ
IP
IL



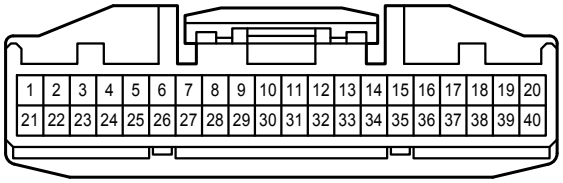
* 1:Manual A/C
* 2:Automatic A/C
  (Except 2AD-FHV, 2AD-FTV)
* 3:Automatic A/C (2AD-FHV, 2AD-FTV)
* 4:2AD-FHV w/o HID
* 5:2AD-FHV w/ HID
* 6:Automatic A/C

A 13 A/C Control Assembly
A 14 A/C Control Assembly
A 15 A/C Control Assembly
A 16 A/C Control Assembly
A 17 A/C Room Temp. Sensor
A 18 A/C Solar Sensor
A 19 A/C Thermistor
A 20 Accel Position Sensor
A 21 Air Inlet Control Servo Motor
A 22 Air Mix Control Servo Motor
A 23 Air Mix Control Servo Motor (Driver Side)
A 24 Air Mix Control Servo Motor (Front Passenger Side)
A 25 Air Vent Mode Control Servo Motor
A 26 Airbag Sensor Assembly
A 27 Airbag Sensor Assembly
A 28 Airbag Sensor Assembly
A 29 Airbag Squib (Front Passenger Airbag Assembly)
A 30 Airbag Squib (Steering Wheel Pad)
A 31 Antenna Amplifier
A 34 Air Fuel Ratio Sensor
A 35 Air Fuel Ratio Sensor Relay
A 36 A/C Control Assembly

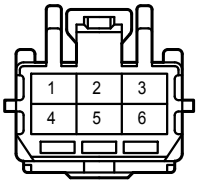
B 4 Blower Motor
B 5 Blower Motor Controller
B 6 Blower Resistor

C 7 Cigarette Lighter , Cigarette Lighter Illumination
C 8 Circuit Opening Relay
C 9 Clutch Start SW
C 10 Combination Meter
C 11 Combination Meter
C 12 Combination SW
C 13 Combination SW
C 14 Combination SW

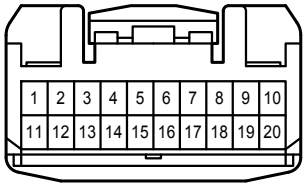
A 13



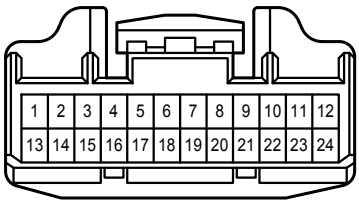
A 14



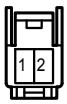
A 15



A 16

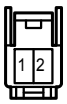


A 17
Black



A 18
Black

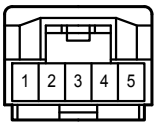
A 19



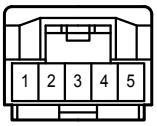
A 20
Black

A 21
Black

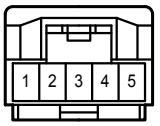
A 22
Black



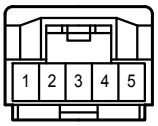
A 23
Black



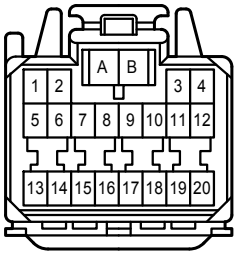
A 24
Black



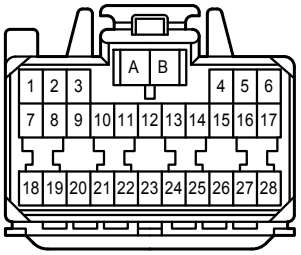
A 25
Black



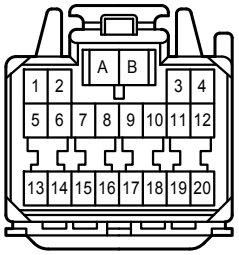
A 26
Yellow



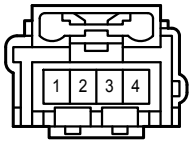
A 27
Yellow



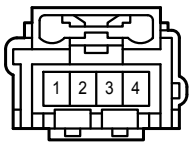
A 28
Yellow



A 29
Yellow



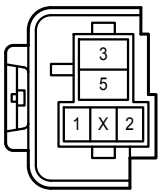
A 30
Yellow



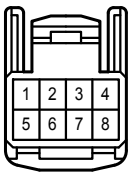
A 31

A 34
Gray

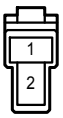
A 35



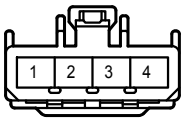
A 36



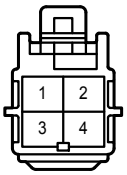
B 4



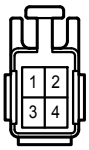
B 5
Black



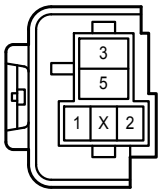
B 6
Black



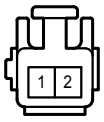
C 7
Black



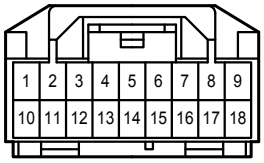
C 8



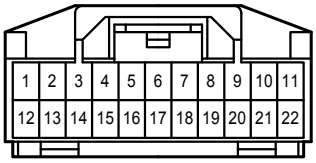
C 9



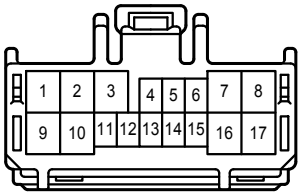
C 10
Blue



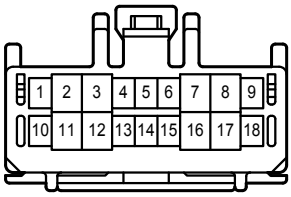
C 11



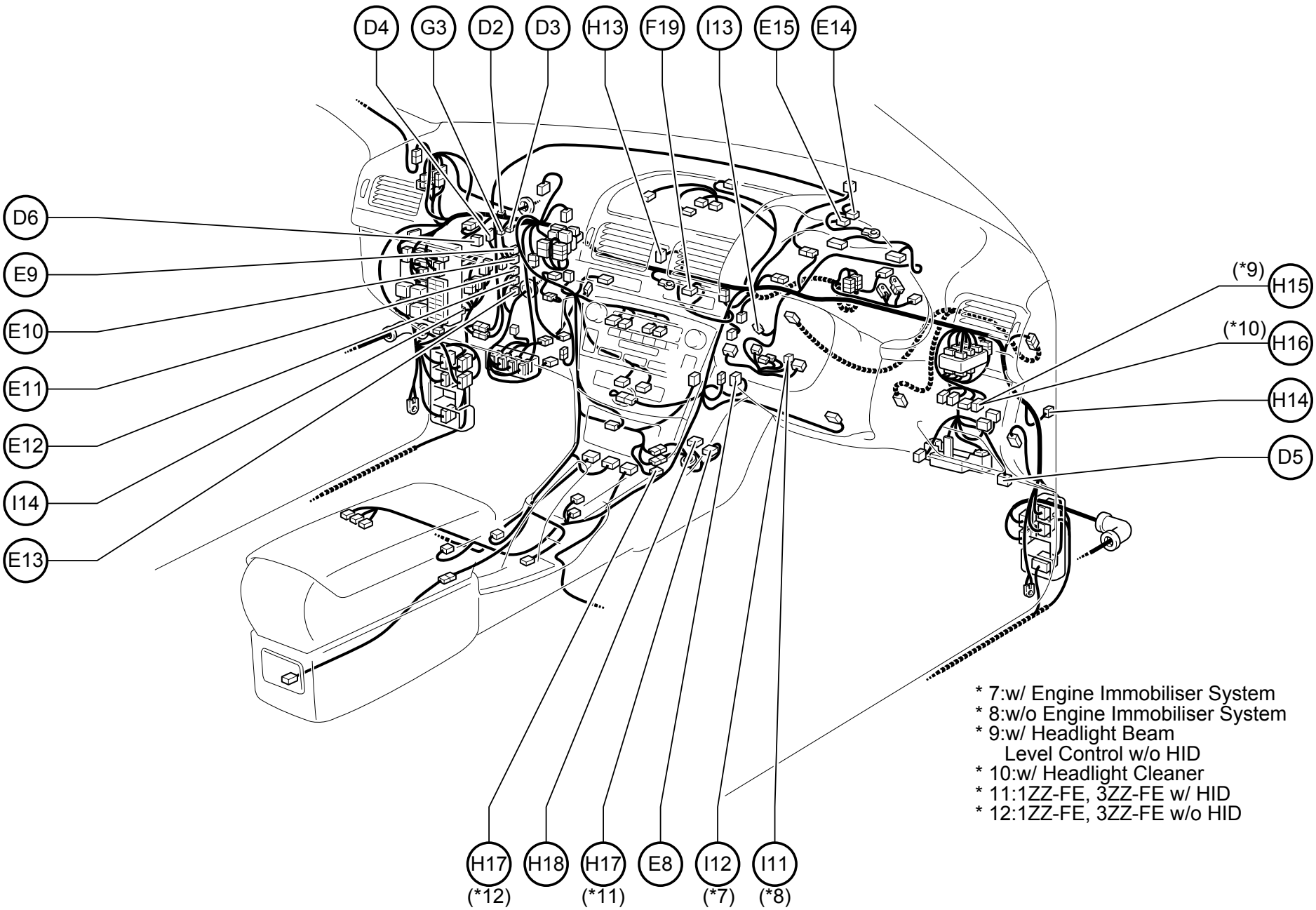
C 12



C 13
Black



C 14


D4
G3
D2
D3
H13
F19
I13
E15
E14
D6
E9
E10
E11
E12
I14
E13
(*9)
H15
(*10)
H16
H14
D5
H17
(*12)
H18
H17
(*11)
E8
I12
(*7)
I11
(*8)
* 7:w/ Engine Immobiliser System
* 8:w/o Engine Immobiliser System
* 9:w/ Headlight Beam
Level Control w/o HID
* 10:w/ Headlight Cleaner
* 11:1ZZ-FE, 3ZZ-FE w/ HID
* 12:1ZZ-FE, 3ZZ-FE w/o HID

D 2 Diode
D 3 Diode
D 4 Diode (Fan) (Except 1CD-FTV)
D 4 Diode (Fan) (1CD-FTV)
D 5 DLC3
D 6 Door Control Receiver

E 8 ECT Pattern Select SW
E 9 Engine and ECT ECU (A/T) , Engine ECU (M/T)
E 10 Engine and ECT ECU (A/T) , Engine ECU (M/T)
E 11 Engine and ECT ECU (A/T) , Engine ECU (M/T)
E 12 Engine and ECT ECU (A/T) , Engine ECU (M/T)
E 13 Engine and ECT ECU (A/T) , Engine ECU (M/T)
E 14 EPS ECU
E 15 EPS ECU

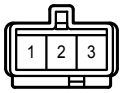
F 19 Front Passenger's Seat Belt Warning Light , Rear Window Defogger SW , Security Indicator Light

G 3 Glove Box Light

H 13 Hazard SW
H 14 Headlight Beam Level Control ECU
H 15 Headlight Beam Level Control SW
H 16 Headlight Cleaner SW
H 17 Heated Oxygen Sensor (Bank 1 Sensor 2) (w/o HID)
H 17 Heated Oxygen Sensor (Bank 1 Sensor 2) (w/ HID)
H 18 Height Control Sensor (Front)

I 11 Ignition Key Cylinder Light
I 12 Ignition Key Cylinder Light , Transponder Key Amplifier
I 13 Ignition SW
I 14 Integration Relay

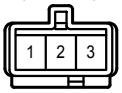
D 2



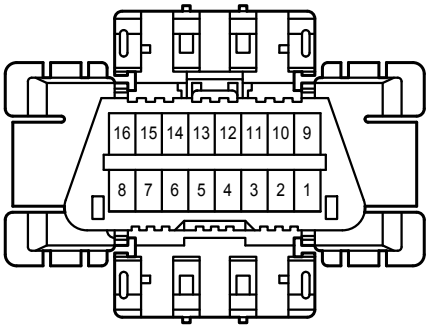
D 3
Black

D 4
(Except 1CD-FTV)

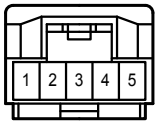
D 4
(1CD-FTV)



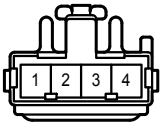
D 5



D 6



E 8
Black



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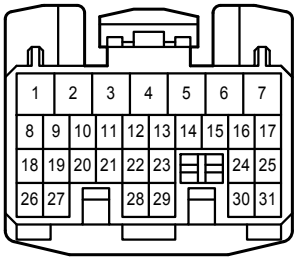

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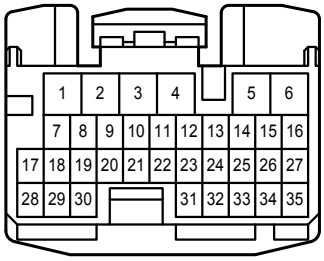
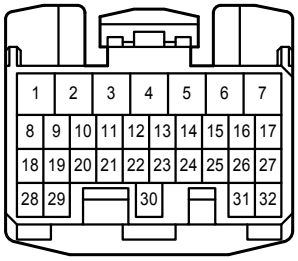


E 11



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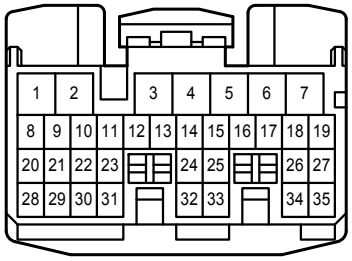

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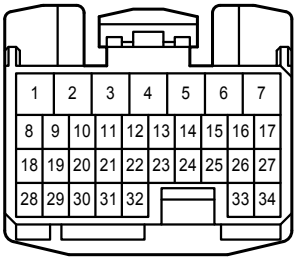
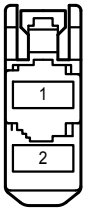
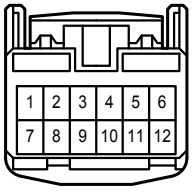


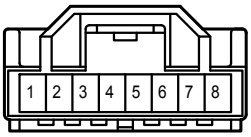
E 14
Gray



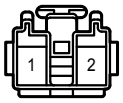
E 15



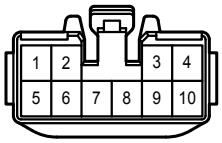
F 19



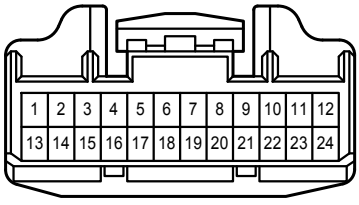
G 3
Black



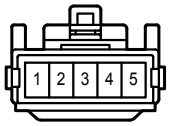
H 13
Black



H 14

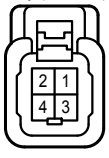


H 15



H 16
Black

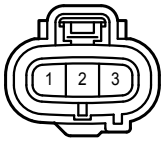
H 17
Gray (w/o HID)



H 17
Gray (w/ HID)

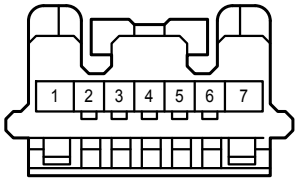
H 18

Black



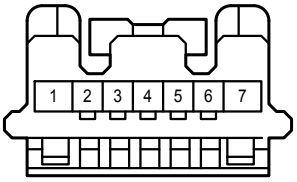
I 11

Black



I 12

Black



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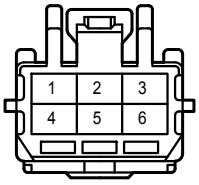

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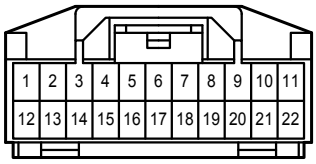
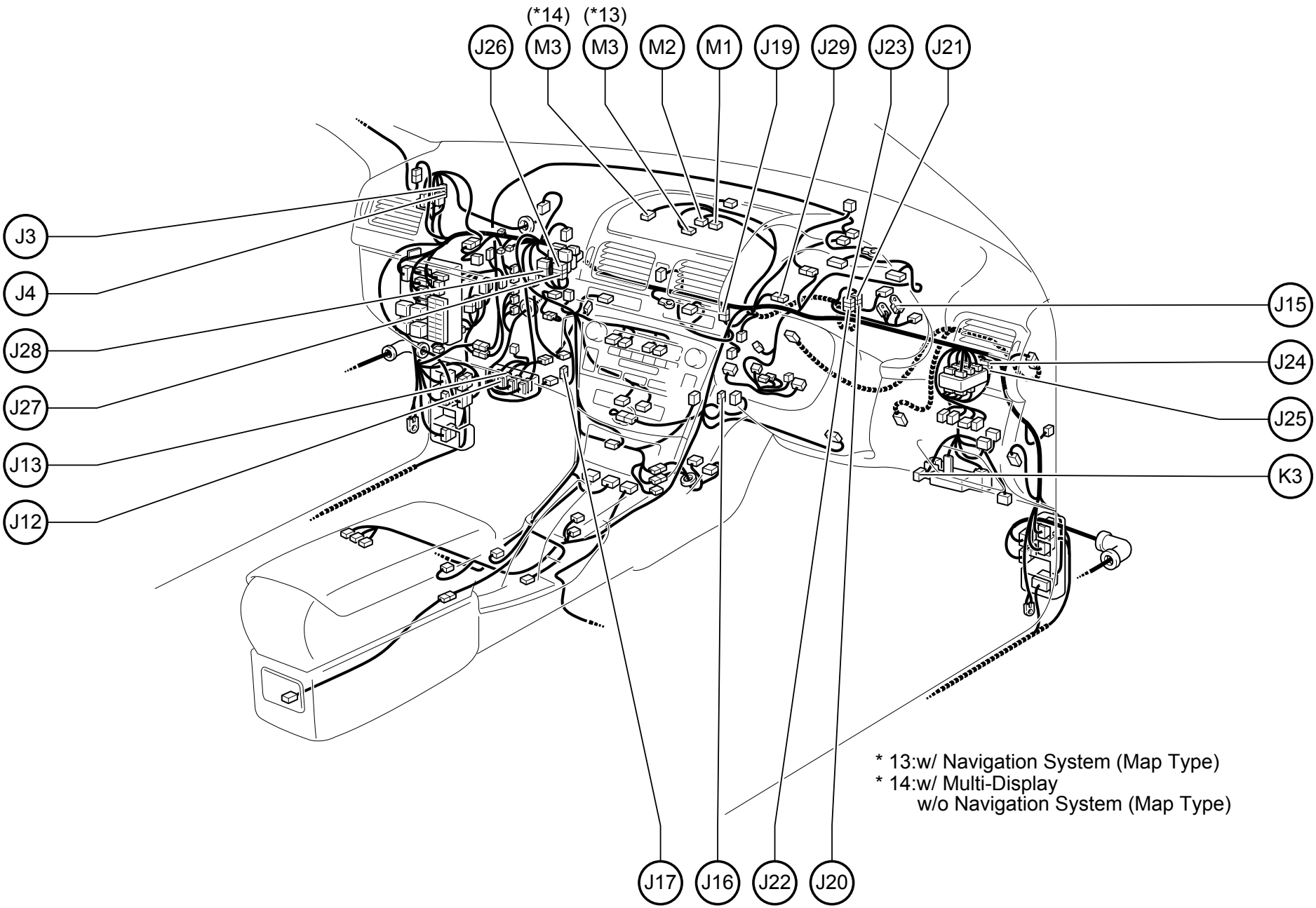


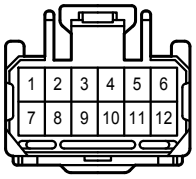

(*14)
(*13)
J26
M3
M3
M2
M1
J19
J29
J23
J21
J3
J4
J28
J27
J13
J12
J15
J24
J25
K3
J17
J16
J22
J20
* 13:w/ Navigation System (Map Type)
* 14:w/ Multi-Display
w/o Navigation System (Map Type)

J 3 Junction Connector
J 4 Junction Connector
J 12 Junction Connector
J 13 Junction Connector
J 15 Junction Connector
J 16 Junction Connector
J 17 Junction Connector
J 19 Junction Connector
J 20 Junction Connector
J 21 Junction Connector
J 22 Junction Connector
J 23 Junction Connector
J 24 Junction Connector
J 25 Junction Connector
J 26 Junction Connector
J 27 Junction Connector
J 28 Junction Connector
J 29 Junction Connector

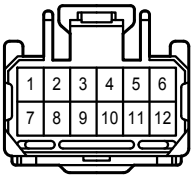
K 3 Knee Airbag Squib

M 1 Multi-Display (w/o Navigation System (Map Type))
M 1 Multi-Display (w/ Navigation System (Map Type))
M 2 Multi-Display (w/o Navigation System (Map Type))
M 2 Multi-Display (w/ Navigation System (Map Type))
M 3 Multi-Display

J 3



J 4



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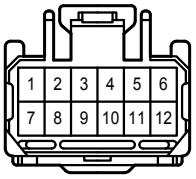

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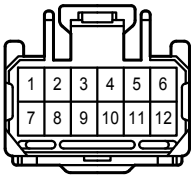

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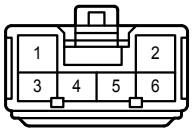

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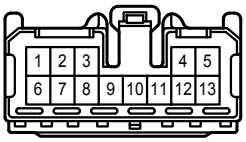

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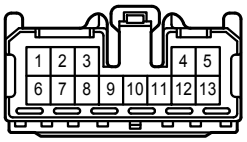

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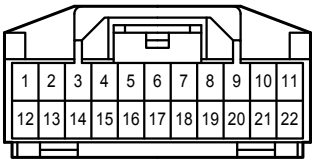
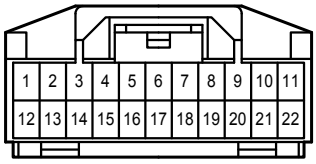


J 20



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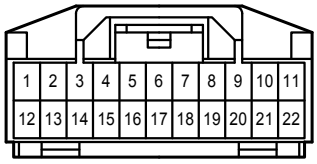

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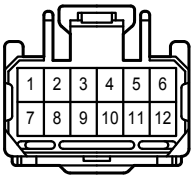
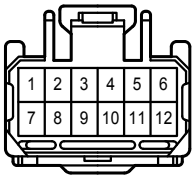
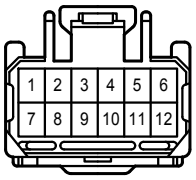


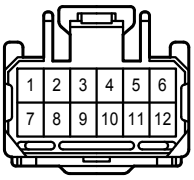
J 23



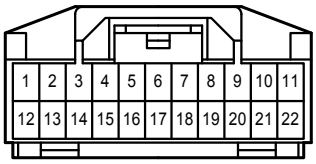
J 24



J 25



J 26



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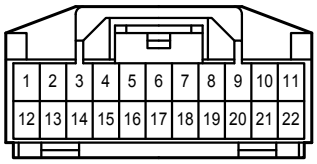
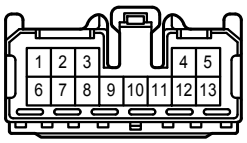
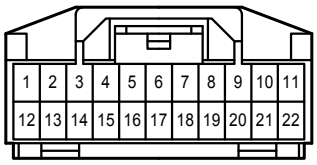


J 28

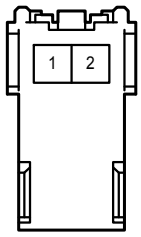


J 29



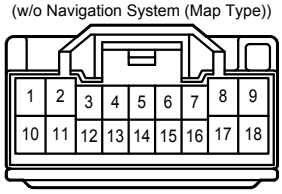
K 3

Yellow



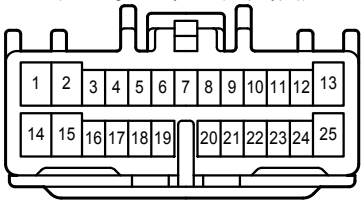
M 1

(w/o Navigation System (Map Type))



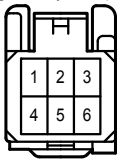
M 1

(w/ Navigation System (Map Type))



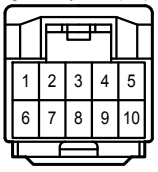
M 2

(w/o Navigation System (Map Type))

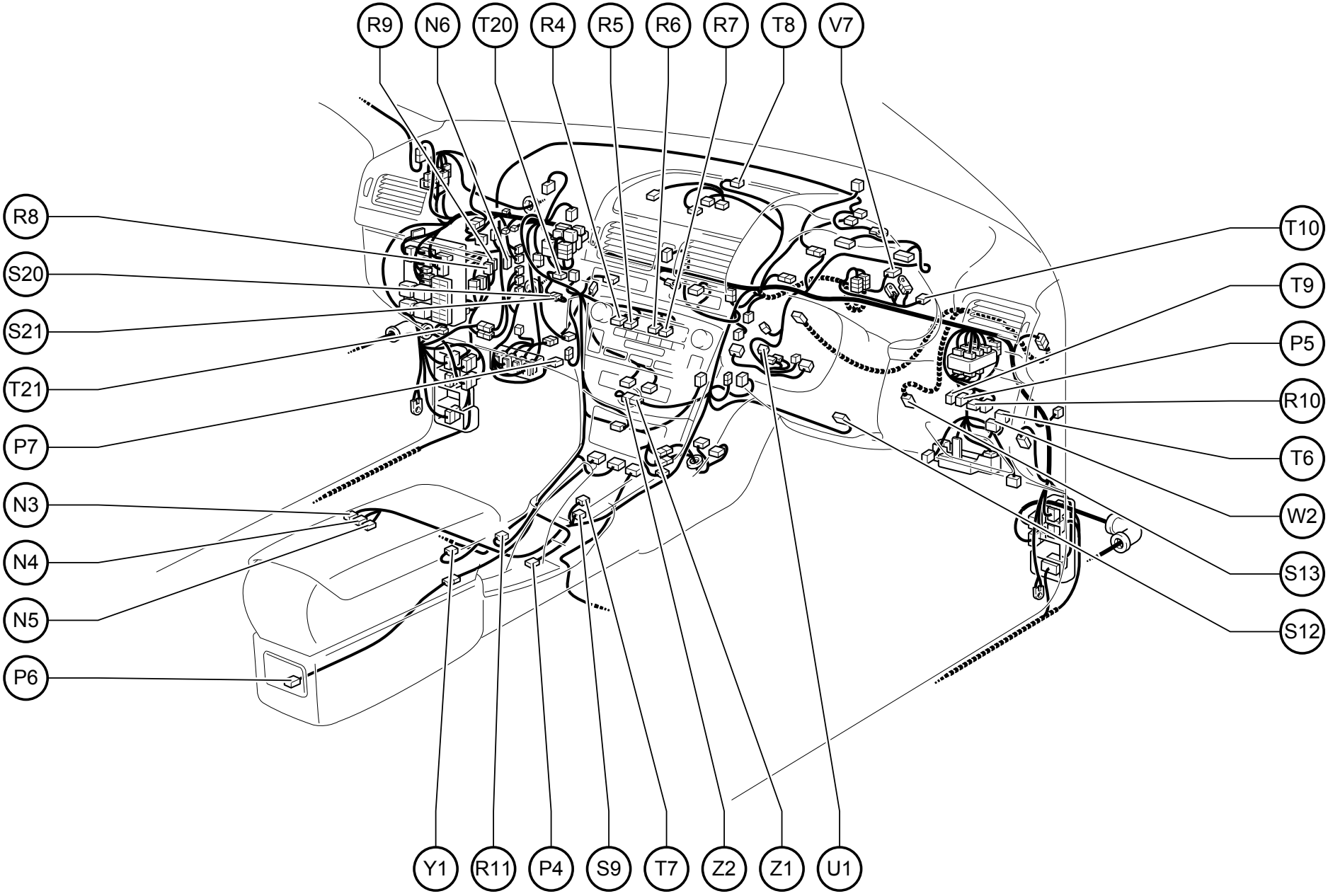


M 2

(w/ Navigation System (Map Type))



M 3


R9
N6
T20
R4
R5
R6
R7
T8
V7
R8
S20
S21
T21
P7
N3
N4
N5
P6
T10
T9
P5
R10
T6
W2
S13
S12
Y1
R11
P4
S9
T7
Z2
Z1
U1

N 3 Navigation ECU
N 4 Navigation ECU
N 5 Navigation ECU
N 6 Noise Filter (Rear Window Defogger No.1)

P 4 Parking Brake SW
P 5 Power Heater SW (Power Heater (Combustion Type))
P 5 Power Heater SW (Power Heater (Hot Gas Type))
P 6 Power Outlet
P 7 PTC Heater

R 4 Radio and Player
R 5 Radio and Player
R 6 Radio and Player
R 7 Radio and Player
R 8 Rear Fog Light Relay
R 9 Rear Window Defogger Relay
R 10 Remote Control Mirror SW
R 11 Remote Controller (Navigation)

S 9 Shift Lock Control ECU
S 12 Steering Sensor
S 13 Stop Light SW (LHD 1AZ-FE)
S 13 Stop Light SW (Except LHD 1AZ-FE)
S 20 Short Connector
S 21 Short Connector

T 6 Theft Deterrent ECU
T 7 Transmission Control SW
T 8 Transponder Key Computer
T 9 TRC Off SW
T 10 Turn Signal Flasher Relay
T 20 Tire Pressure Monitor ECU
T 21 Tire Pressure Warning SW

U 1 Unlock Warning SW

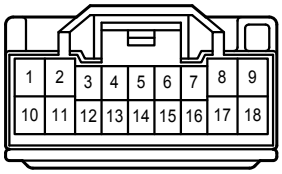
V 7 VSC Warning Buzzer

W 2 Wiper Relay

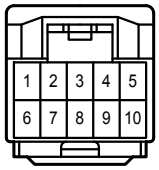
Y 1 Yaw Rate Sensor

Z 1 Option Connector (Navigation ECU)
Z 2 Option Connector (Navigation ECU)

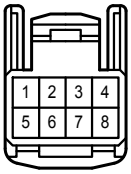
N 3



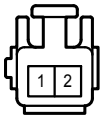
N 4



N 5



N 6



P 4

Black

P 5

Gray (Power Heater (Combustion Type))

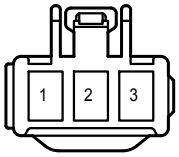
P 5

(Power Heater (Hot Gas Type))

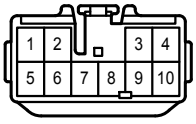
P 6

Black

P 7



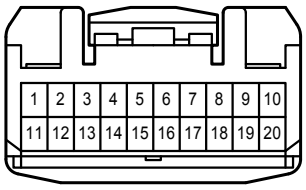
R 4



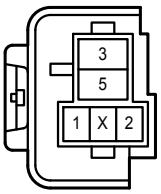
R 5

R 6

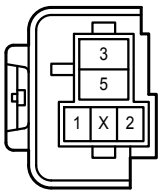
R 7



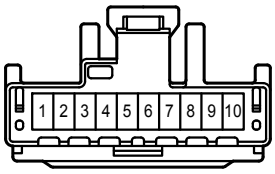
R 8



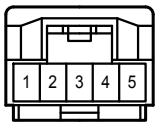
R 9



R 10



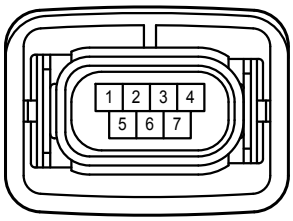
R 11



S 9

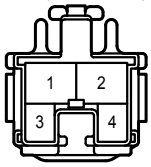
S 12

Black



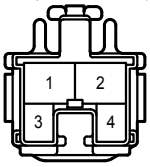
S 13

Black (LHD 1AZ-FE)

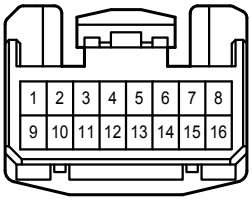


S 13

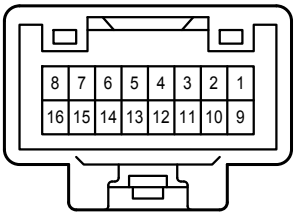
(Except LHD 1AZ-FE)



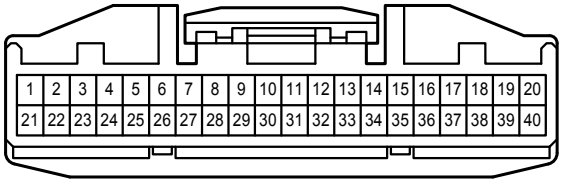
S 20



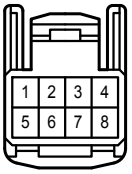
S 21



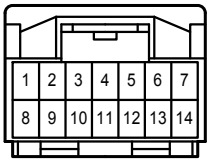
T 6



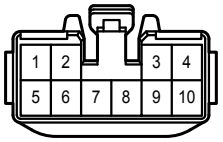
T 7



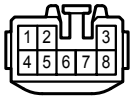
T 8



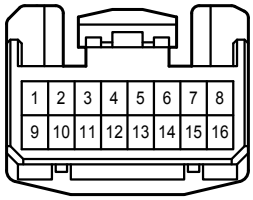
T 9
Black



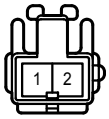
T 10
Black



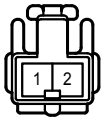
T 20



T 21

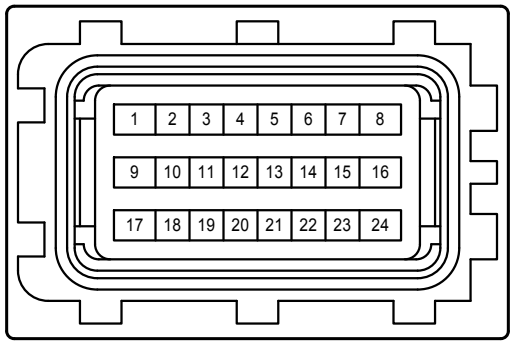


U 1
Black

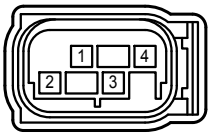


V 7
Black

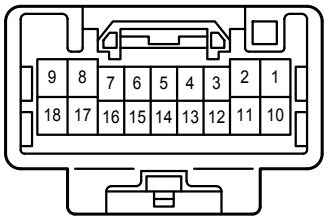
W 2
Black



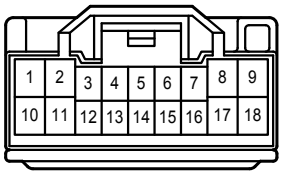
Y 1
Black

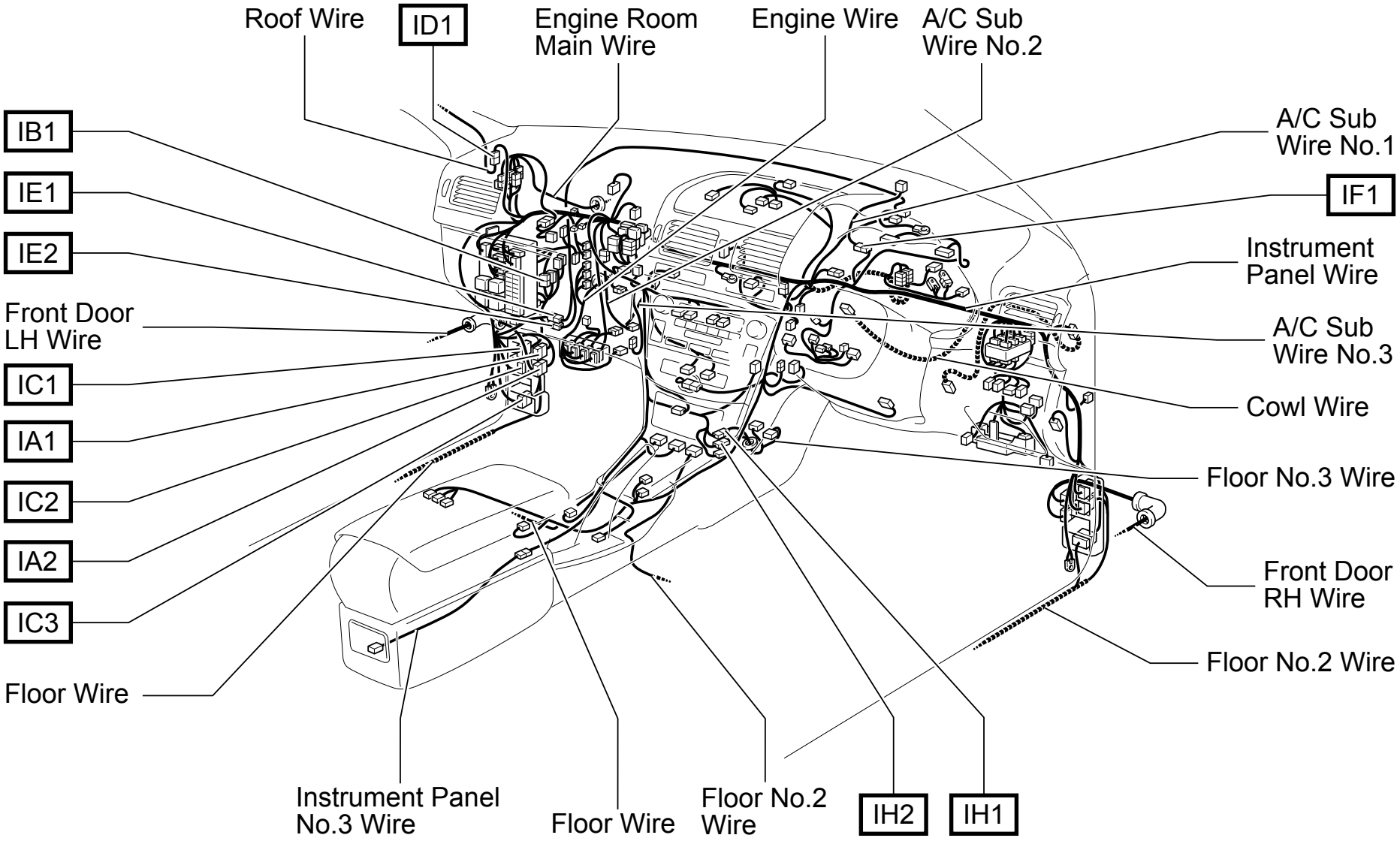


Z 1

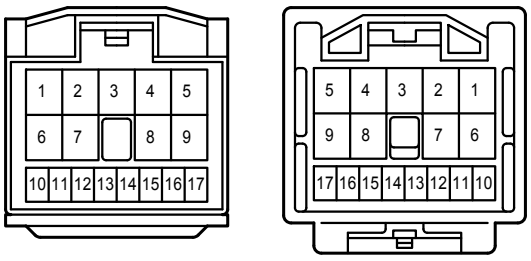


Z 2

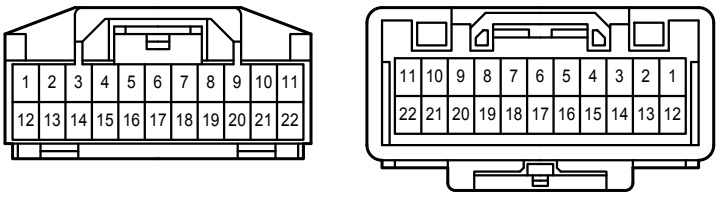



Roof Wire
ID1
Engine Room Main Wire
Engine Wire
A/C Sub Wire No.2
IB1
IE1
IE2
Front Door LH Wire
IC1
IA1
IC2
IA2
IC3
Floor Wire
A/C Sub Wire No.1
IF1
Instrument Panel Wire
A/C Sub Wire No.3
Cowl Wire
Floor No.3 Wire
Front Door RH Wire
Floor No.2 Wire
Instrument Panel No.3 Wire
Floor Wire
Floor No.2 Wire
IH2
IH1

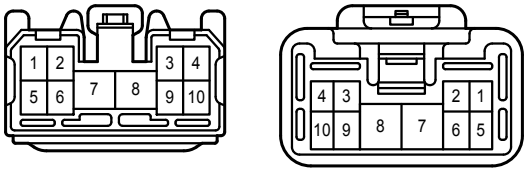
IA1



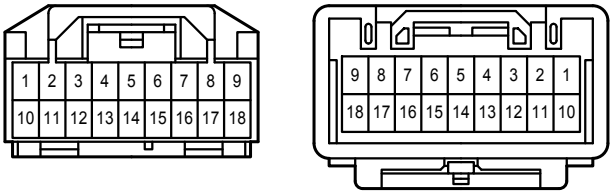
IA2



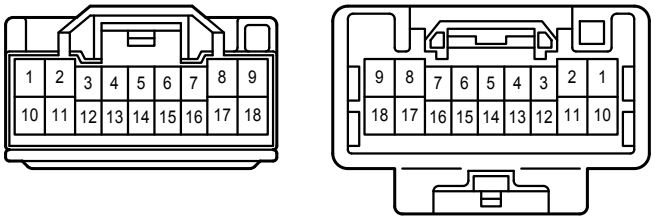
IB1



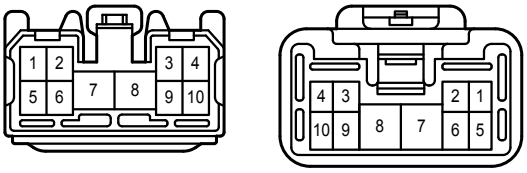
IC1



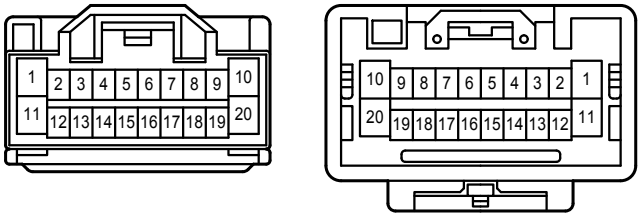
IC2



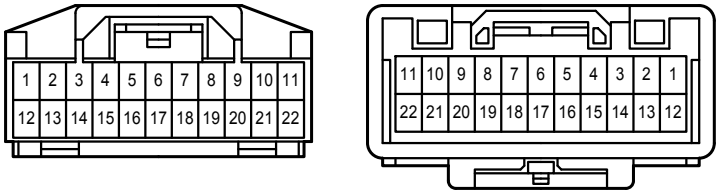
IC3

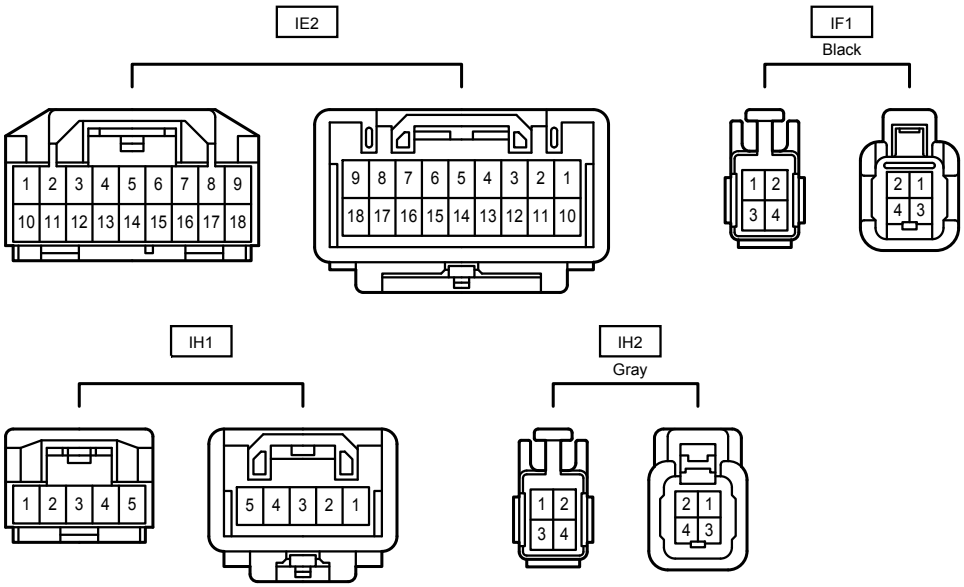


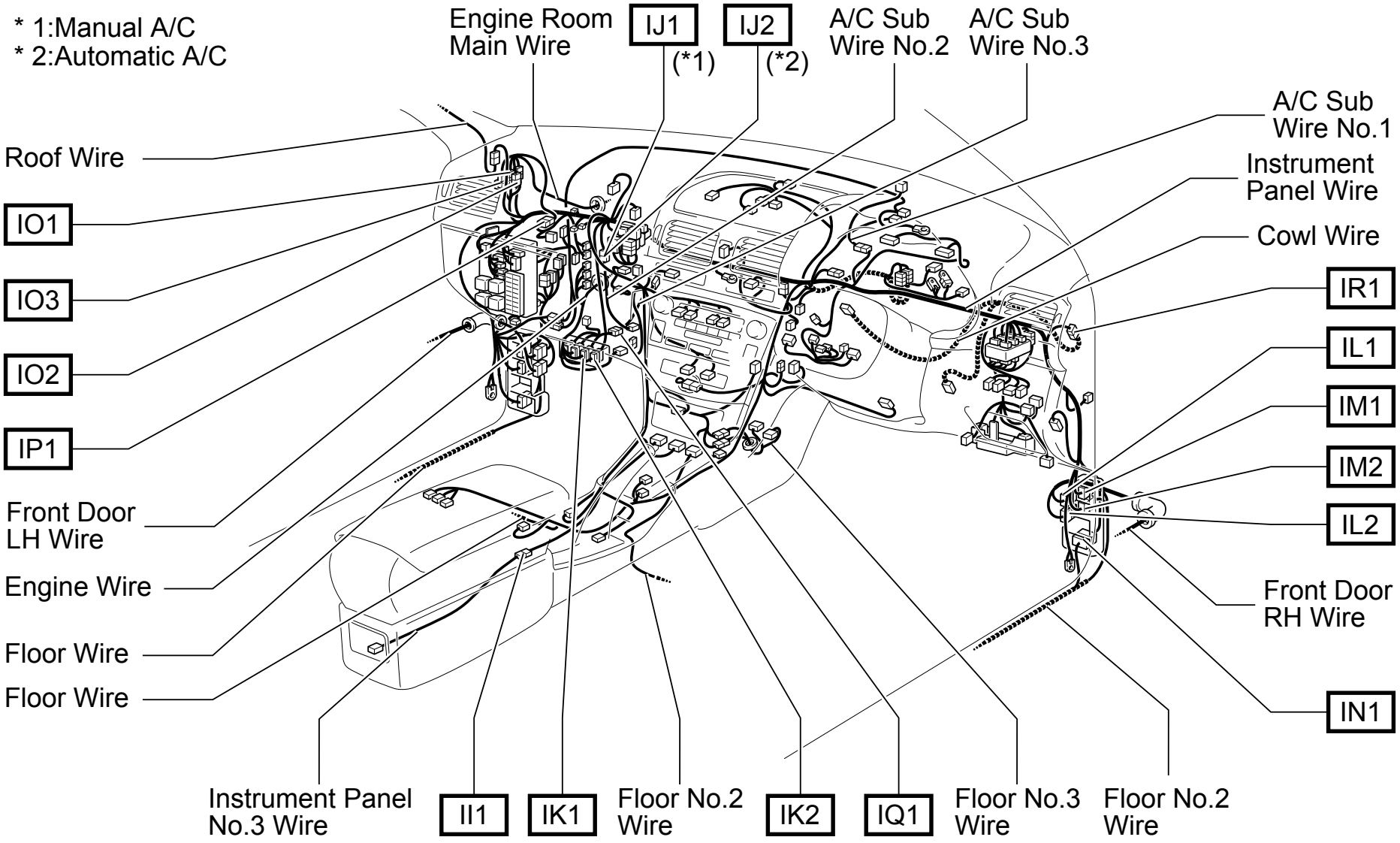
ID1



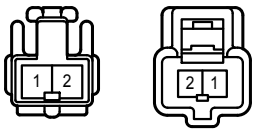
IE1



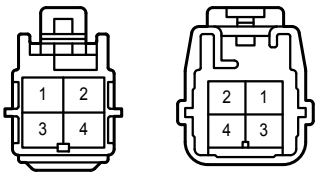

IE2
1 2 3 4 5 6 7 8 9
10 11 12 13 14 15 16 17 18
9 8 7 6 5 4 3 2 1
18 17 16 15 14 13 12 11 10
IF1
Black
1 2
3 4
2 1
4 3
IH1
1 2 3 4 5
5 4 3 2 1
IH2
Gray
1 2
3 4
2 1
4 3


* 1:Manual A/C
* 2:Automatic A/C
Engine Room Main Wire
IJ1
(*1)
IJ2
(*2)
A/C Sub Wire No.2
A/C Sub Wire No.3
A/C Sub Wire No.1
Instrument Panel Wire
Cowl Wire
Roof Wire
IO1
IO3
IO2
IP1
Front Door LH Wire
Engine Wire
Floor Wire
Floor Wire
IR1
IL1
IM1
IM2
IL2
Front Door RH Wire
IN1
Instrument Panel No.3 Wire
II1
IK1
Floor No.2 Wire
IK2
IQ1
Floor No.3 Wire
Floor No.2 Wire

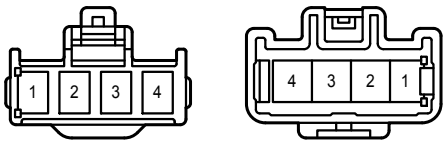
II1



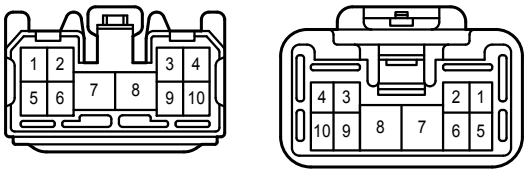
IJ1
Black



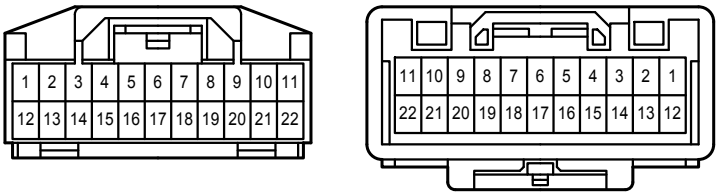
IJ2
Black



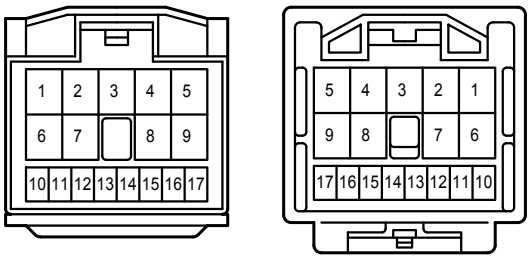
IK1



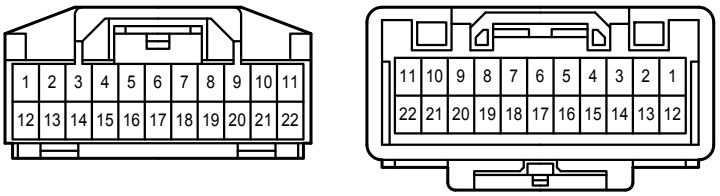
IK2



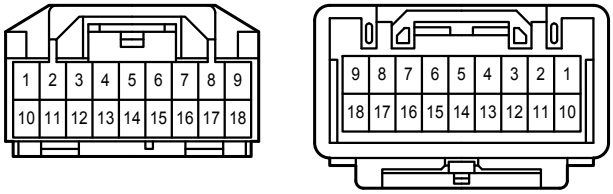
IL1



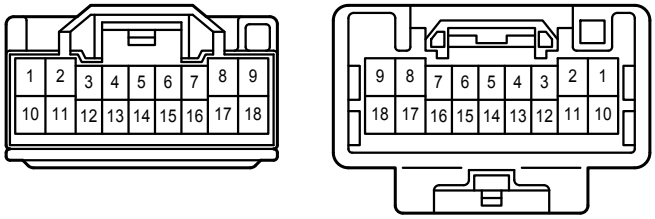
IL2



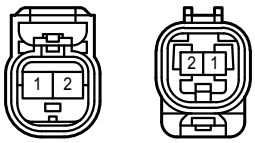
IM1



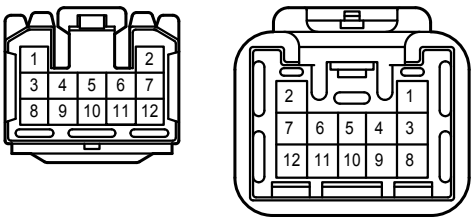
IM2

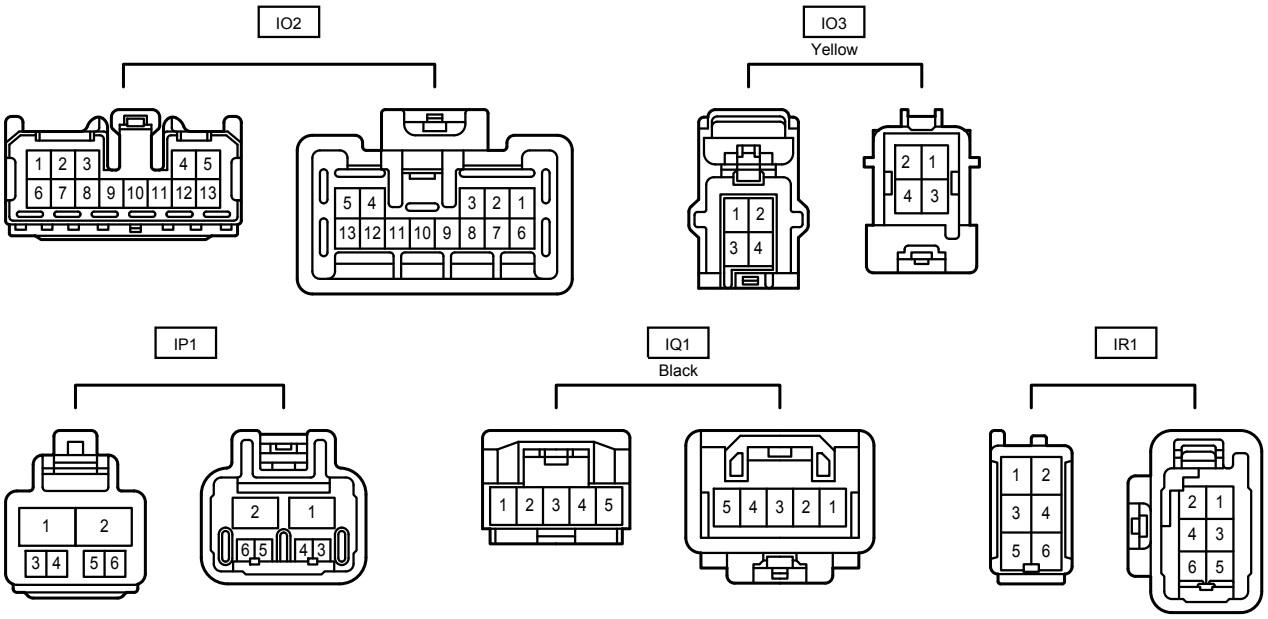


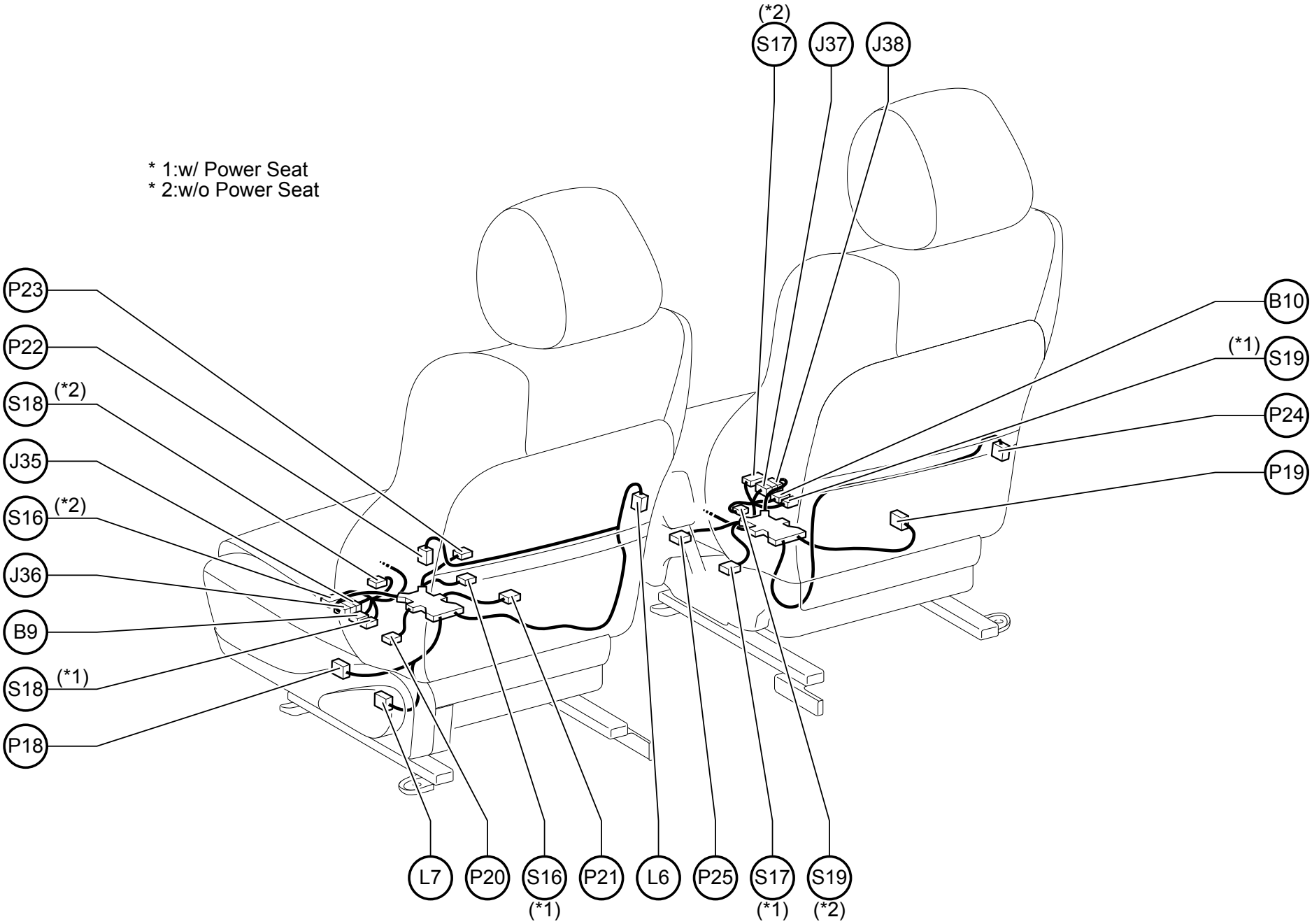
IN1
Yellow



IO1




IO2
1 2 3 4 5
6 7 8 9 10 11 12 13
5 4 3 2 1
13 12 11 10 9 8 7 6
IO3
Yellow
1 2
3 4
2 1
4 3
IP1
1 2
3 4 5 6
2 1
6 5 4 3
IQ1
Black
1 2 3 4 5
5 4 3 2 1
IR1
1 2
3 4
5 6
2 1
4 3
6 5


* 1:w/ Power Seat
* 2:w/o Power Seat
(*2)
S17
J37
J38
P23
P22
S18
(*2)
J35
S16
(*2)
J36
B9
S18
(*1)
P18
B10
(*1)
S19
P24
P19
L7
P20
S16
(*1)
P21
L6
P25
S17
(*1)
S19
(*2)

B 9 Buckle SW (Driver's Side)
B 10 Buckle SW (Front Passenger's Side) , Occupant Detection Sensor

J 35 Junction Connector
J 36 Junction Connector
J 37 Junction Connector
J 38 Junction Connector

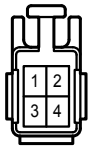
L 6 Lumbar Support Control Motor
L 7 Lumbar Support Control SW

P 19 Power Seat Control SW (Front Passenger's Seat)
P 20 Power Seat Motor (Driver's Seat Front Vertical Control)
P 21 Power Seat Motor (Driver's Seat Lifter Control)
P 22 Power Seat Motor (Driver's Seat Reclining Control)
P 23 Power Seat Motor (Driver's Seat Slide Control)
P 24 Power Seat Motor (Front Passenger's Seat Reclining Control)
P 25 Power Seat Motor (Front Passenger's Seat Slide Control)

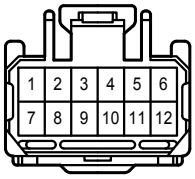
S 16 Seat Heater LH (w/ Power Seat)
S 16 Seat Heater LH (w/o Power Seat)
S 17 Seat Heater RH (w/ Power Seat)
S 17 Seat Heater RH (w/o Power Seat)
S 18 Side Airbag Squib LH
S 19 Side Airbag Squib RH

B 9
Gray

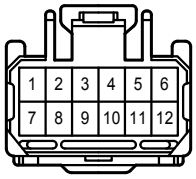
B 10



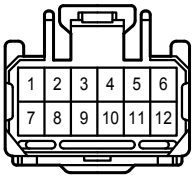
J 35



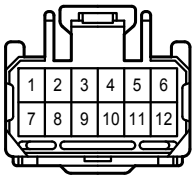
J 36



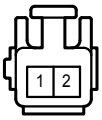
J 37



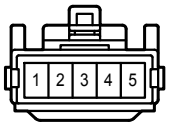
J 38



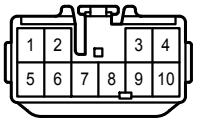
L 6



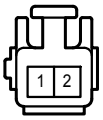
L 7



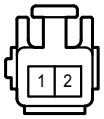
P 19
Black



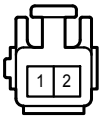
P 20



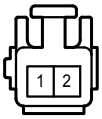
P 21
Black



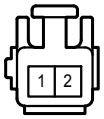
P 22



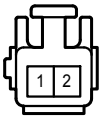
P 23
Blue



P 24

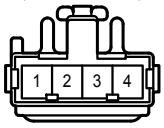


P 25
Blue



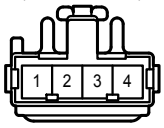
S 16
Gray (w/ Power Seat)

S 16
(w/o Power Seat)



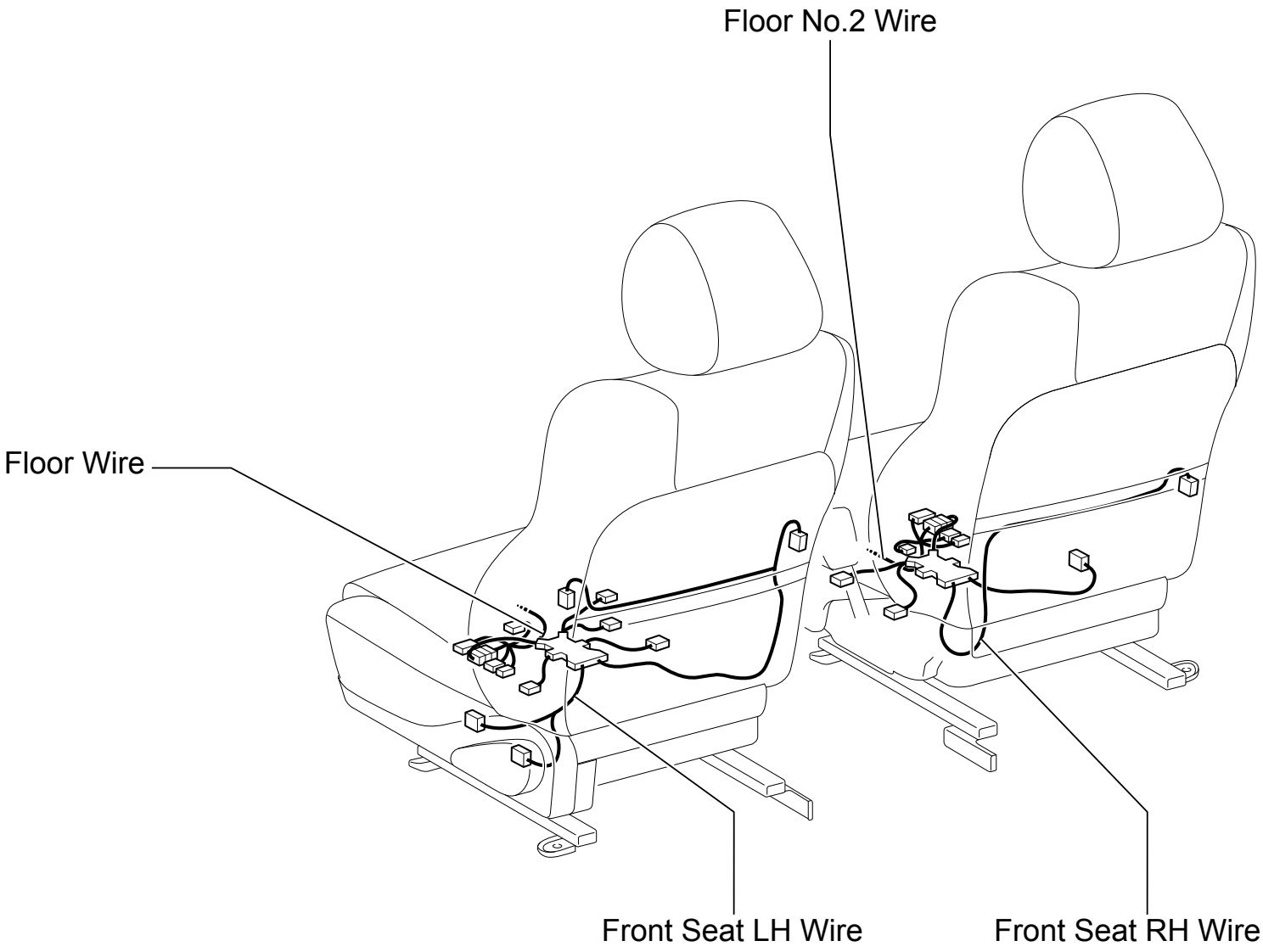
S 17
Gray (w/ Power Seat)

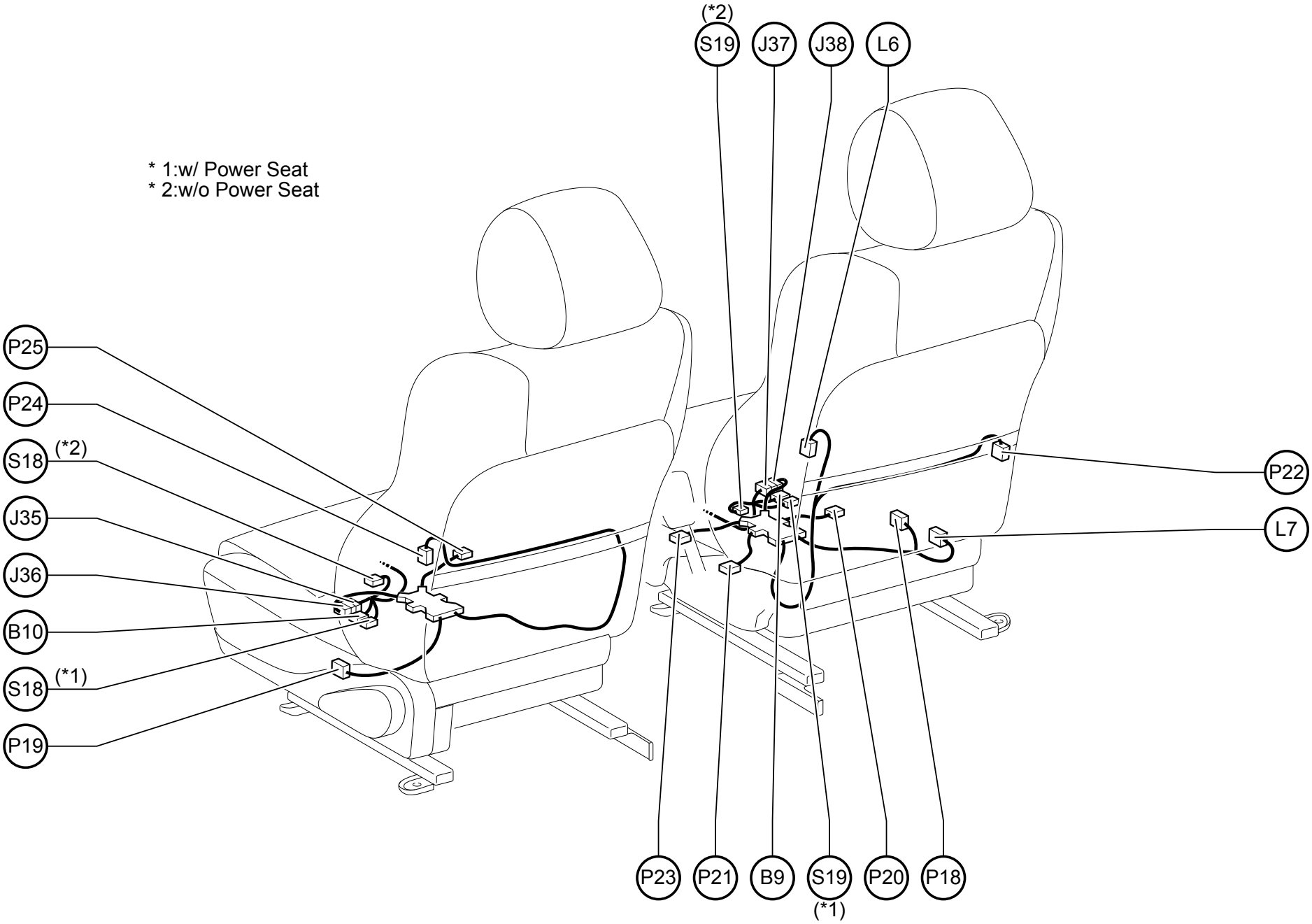
S 17
(w/o Power Seat)



S 18
Yellow

S 19
Yellow


Floor No.2 Wire
Floor Wire
Front Seat LH Wire
Front Seat RH Wire


* 1:w/ Power Seat
* 2:w/o Power Seat
(*2)
S19
J37
J38
L6
P25
P24
S18
(*2)
J35
J36
B10
S18
(*1)
P19
P22
L7
P23
P21
B9
S19
(*1)
P20
P18

B 9 Buckle SW (Driver's Side)
B 10 Buckle SW (Front Passenger's Side) , Occupant Detection Sensor

J 35 Junction Connector
J 36 Junction Connector
J 37 Junction Connector
J 38 Junction Connector

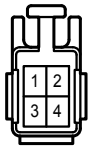
L 6 Lumbar Support Control Motor
L 7 Lumbar Support Control SW

P 18 Power Seat Control SW (Driver's Seat)
P 19 Power Seat Control SW (Front Passenger's Seat)
P 20 Power Seat Motor (Driver's Seat Front Vertical Control)
P 21 Power Seat Motor (Driver's Seat Lifter Control)
P 22 Power Seat Motor (Driver's Seat Reclining Control)
P 23 Power Seat Motor (Driver's Seat Slide Control)
P 24 Power Seat Motor (Front Passenger's Seat Reclining Control)

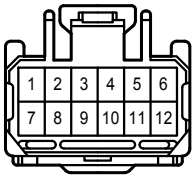
S 18 Side Airbag Squib LH
S 19 Side Airbag Squib RH

B 9
Gray

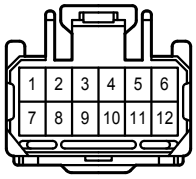
B 10



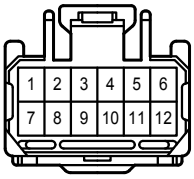
J 35



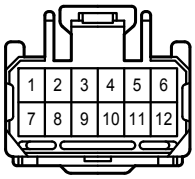
J 36



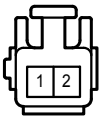
J 37



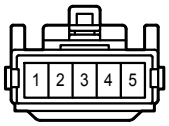
J 38



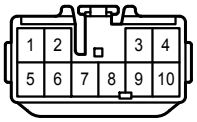
L 6



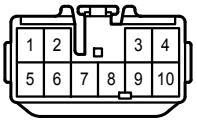
L 7



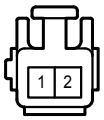
P 18
Black



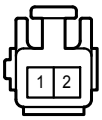
P 19
Black



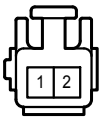
P 20



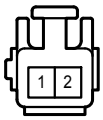
P 21
Black



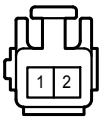
P 22



P 23
Blue

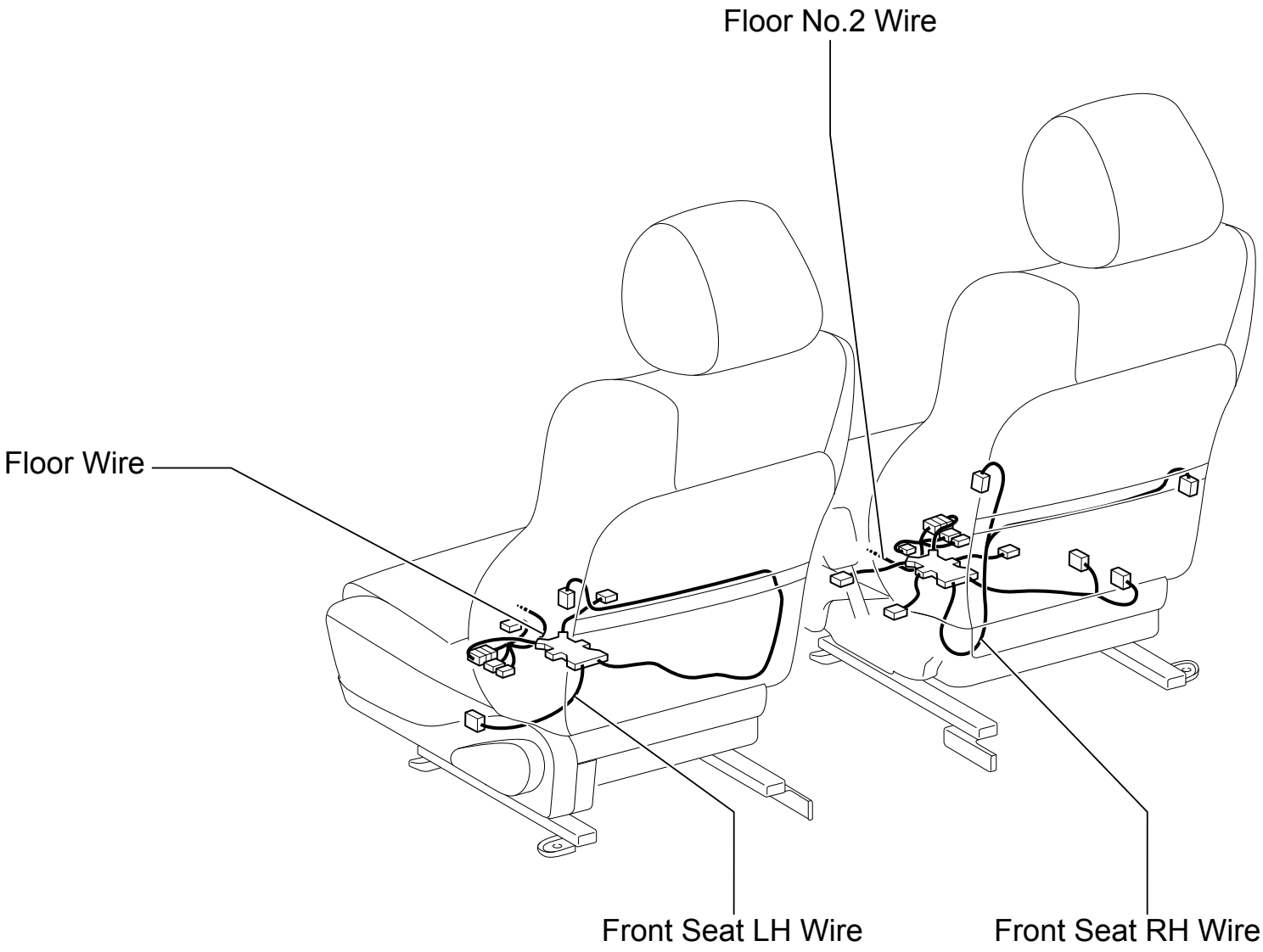


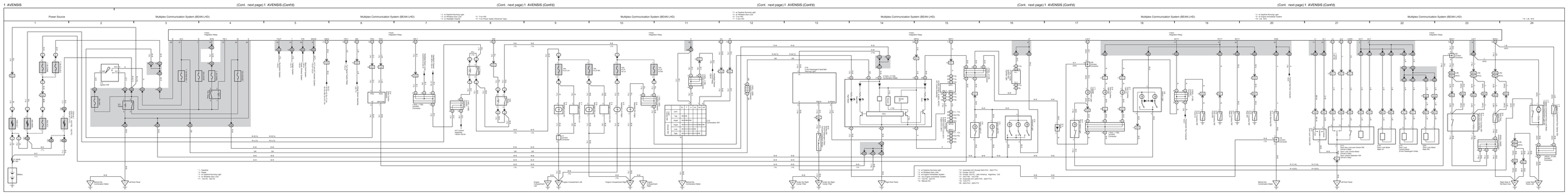
P 24



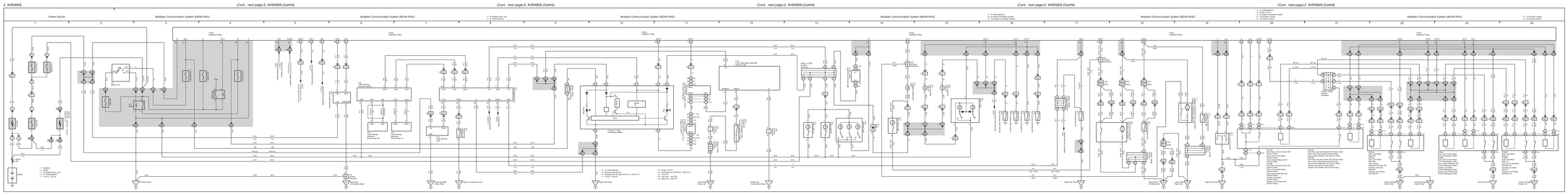
S 18
Yellow

S 19
Yellow


Floor No.2 Wire
Floor Wire
Front Seat LH Wire
Front Seat RH Wire


Power Source
Multiplex Communication System (BEAN LHD)
CAN-ID Integration Relay
Battery
Starter Motor
Alternator
Ignition Switch
Starter Relay
Starter Cut Relay
Alternator Regulator
Engine Room R/B
Engine Compartment Left
Engine Compartment Relay
Engine Compartment Right
Instrument Panel Wire
Instrument Panel J/B
Main Body ECU (Multiplex Network Body ECU)
Main Body ECU (Multiplex Network Body ECU) Connector
Main Body ECU (Multiplex Network Body ECU) Connector
Main Body ECU (Multiplex Network Body ECU) Connector

Power Source | Multiplex Communication System (BEAN RHD) | Multiplex Communication System (BEAN RHD) | Multiplex Communication System (BEAN RHD) | Multiplex Communication System (BEAN RHD) | Multiplex Communication System (BEAN RHD) | Multiplex Communication System (BEAN RHD)



Power Source | Starting | Charging

1 | 2 | 3 | 4

B-L (*2)
1 ED1
W (*2)
3 3
B (*2)
3 3
B-G (*1)
1 4D
2 120A ALT (*9) 100A ALT (*7)
1 3
B-G (*1)
1 4E
1 4B
B-G (*1)
1 4A
B-G (*1)
B (*1, *10)
1 1A
2 7. 5A ALT-S
1 1
2 30A AM2
1 1
140A ALT
B (*2)
FL MAIN 3. 0W
Battery
B-R
B-R
1 IE4 (LHD)
1 IP1 (RHD)
B-R
B-R
5 5
ST Relay
3 2
5 5
B
7 IK1
B
1 A
1 B
S 4(A), S 5(B) Starter
W-B
B-Y
5 1
B-Y
6
1
7. 5A ST
2
6
6
B-W
G-R
3 AM1
B-R
4 AM2
ACC
IG1 1 G-Y
IG2
ST2 5 B-Y
I13 Ignition SW
Engine and ECT ECU (A/T) <7-7>
(*7 A/T) B-W
B A
(M/T) B-Y
(A/T) B-W
B A
9
B L
P
N
N 1 Neutral Start SW
6 (A/T) B-Y
A A
(M/T) B-Y
Engine and ECT ECU (A/T) <5-12><6-11><7-7> Engine ECU (M/T) <5-12><6-11><7-7>
(*1) B-Y
A A
J12(A), J13(B) Junction Connector
B B
C B
C B
B-W
B-Y
(*2) B-Y
Engine and ECT ECU (M/T) <8-9><50-11><51-9>
A/C Control Assembly <48-8><53-6>
(*3) B-W
13 IK2
(*3) B-L
Engine ECU (M/T) <8-9><50-12><51-9>
(*2) B-L
3 A M
(*1, *10) B
5 EA1 (*1)
5 EE1 (*10)
(*1, *10) B
1 A S
Engine ECU <50-14><51-12>
(*11) GR
12 IK2
(*11) GR
B-G(*1)
B(*2)
1 B B+(*1) B (*2)
Power Heater Assembly<43-3>
(*4) Y
Multiplex Communication System (BEAN)<1-15><2-11>
18 B 29 B (*7, *8)
23 A 29 A (*6)
20 A 21 A (*10)
31 B 32 B (*11)
MPX1 MPX2
RL
21 C (*8)
28 B (*6)
27 D (*7)
9 D (*10)
9 E (*11)
(*5, *7) Y
4 A L
(*6) Y
9 IK1
(*6) Y
A11(A), A12(B) Alternator
B-G(*1)
B-W
B-G(*1)
G-R
B-G(*1)
G-Y
1 DH
1 DN
5 DH
25A AM1
5 1
IG1 Relay
3 2
7. 5A ECU-IG
18 DB
2 DJ
9 DA
R-W
G A (LHD)
C B (RHD)
J10(A), J20(B) Junction Connector
G A (LHD)
C B (RHD)
R-W
1 IK2
R-W
2 A IG
W-B
W-B
Left Kick Panel
IJ

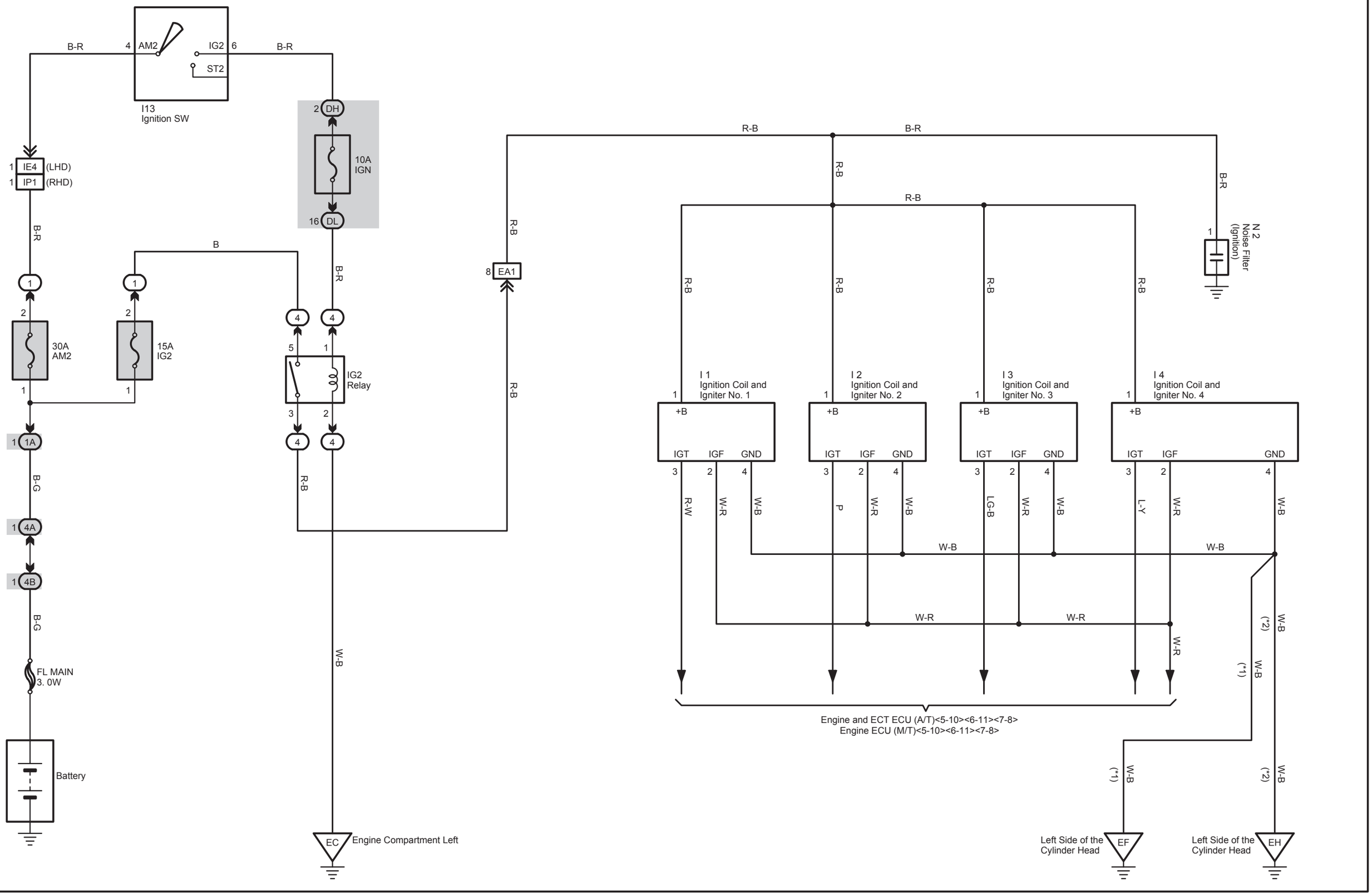
* 1 : Gasoline
* 2 : Diesel
* 3 : Power Heater (Electrical Type)
* 4 : Power Heater (Combustion Type)
* 5 : 2AZ-FSE, 1AZ-FSE, Diesel
* 6 : 1AZ-FE
* 7 : 1ZZ-FE, 3ZZ-FE
* 8 : 2AZ-FSE, 1AZ-FSE
* 9 : 2AZ-FSE, 1AZ-FSE, 1AZ-FE
*10 : 1CD-FTV
*11 : 2AD-FHV, 2AD-FTV

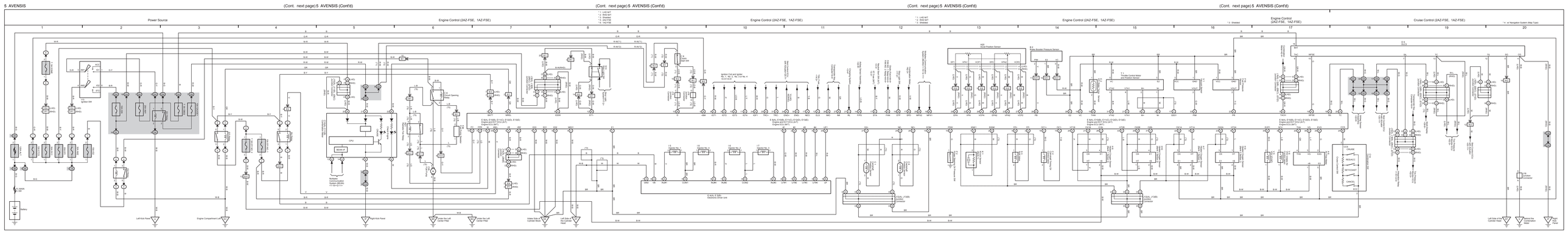
Power Source

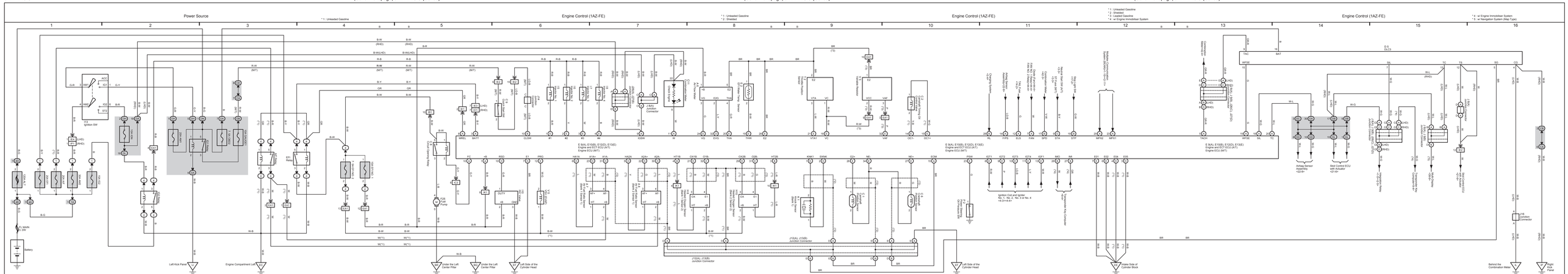
Ignition

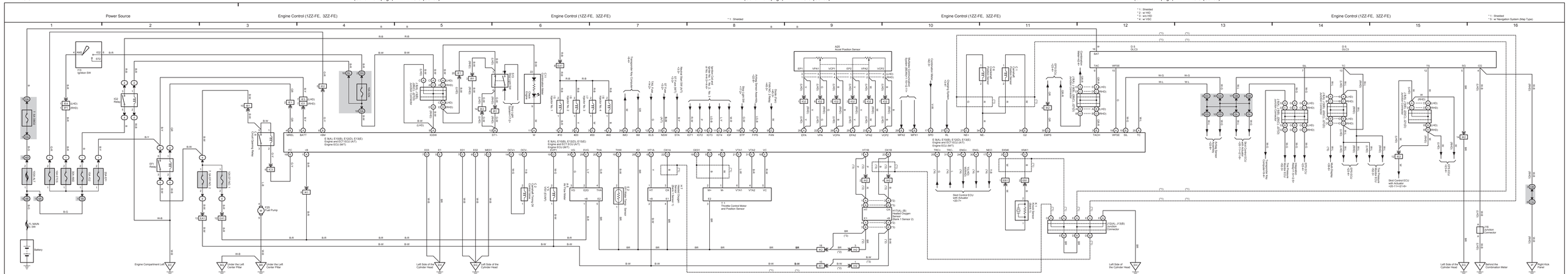
* 1 : 2AZ-FSE, 1AZ-FSE, 1AZ-FE
* 2 : 1ZZ-FE, 3ZZ-FE

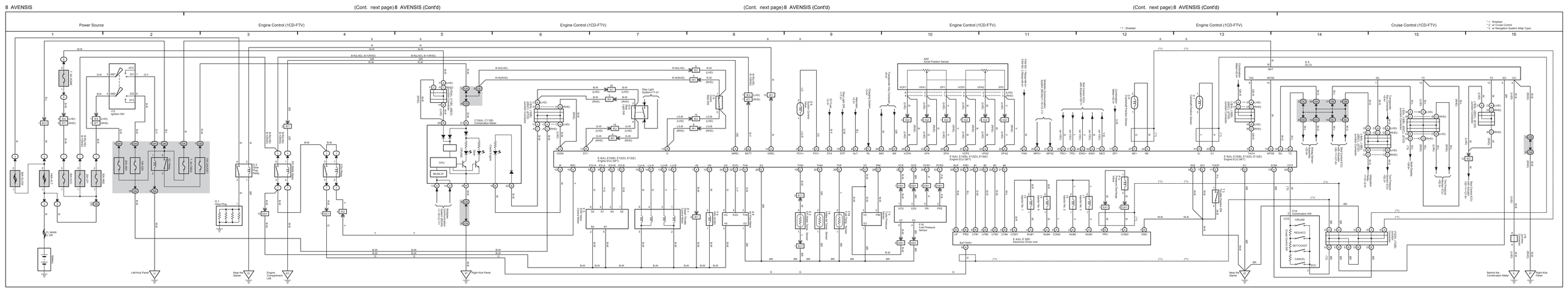
1 2 3 4




Power Source
Engine Control (2AZ-FSE, 1AZ-FSE)
Engine Control (2AZ-FSE, 1AZ-FSE)
Engine Control (2AZ-FSE, 1AZ-FSE)
Engine Control (2AZ-FSE, 1AZ-FSE)
Cruise Control (2AZ-FSE, 1AZ-FSE)
*1 : LHD MT
*2 : RHD MT
*3 : Shielded
*4 : w/ Navigation System
*5 : Int J/B
*1 : LHD MT
*2 : RHD MT
*3 : Shielded
*1 : LHD MT
*2 : RHD MT
*3 : Shielded
*1 : Shielded
*4 : w/ Navigation System (Mat Type)
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
Battery
Left Kick Panel
Engine Compartment Left
Right Kick Panel
Under the Left Center Floor
Under the Left Center Floor
Intake Side of Cylinder Block
Left Side of Cylinder Head
Left Side of Cylinder Head
Left Side of the Cylinder Head
Behind the Combination Meter
Right Side of the Instrument Panel
Ignition Coil and Igniter No. 1, No. 2, No. 3, No. 4
Engine ECU (MPU)
Engine ECU (MPU)
Engine ECU (MPU)


Power Source
* 1 : Unleaded Gasoline
Engine Control (1AZ-FE)
* 1 : Unleaded Gasoline
* 2 : Shielded
Engine Control (1AZ-FE)
* 1 : Unleaded Gasoline
* 2 : Diesel
* 3 : Leaded Gasoline
* 4 : w/ Engine Immobiliser System
Engine Control (1AZ-FE)
* 4 : w/ Engine Immobiliser System
* 5 : w/ Navigation System (Map Type)
(Cont. next page) 6 AVENSIS (Cont'd)
(Cont. next page) 6 AVENSIS (Cont'd)
I13 Ignition SW
Battery
EFI Relay
Fuel Pump Relay
Fuel Pump
Heated Oxygen Sensor
Mass Flow Type Air Flow Meter
Engine Coolant Temp. Sensor
Intake Air Temp. Sensor
Throttle Position Sensor
Camshaft Position Sensor
Crankshaft Position Sensor
Knock Sensor
Ignition Coil and Igniter
Injector
Vacuum Switching Solenoid
Engine Control Module
Left Kick Panel
Engine Compartment Left
Under the Left Center Pillar
Left Side of the Cylinder Head
Intake Side of Cylinder Block
Behind the Combination Meter
Right Kick Panel


Power Source
Engine Control (1ZZ-FE, 3ZZ-FE)
Engine Control (1ZZ-FE, 3ZZ-FE)
Engine Control (1ZZ-FE, 3ZZ-FE)
Engine Control (1ZZ-FE, 3ZZ-FE)
* 1 : Shielded
* 2 : w/ HID
* 3 : w/ HID
* 4 : w/ VSC
* 5 : w/ Navigation System (Map Type)
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
A20 Accel Position Sensor
EP1 VPA1 VCP1 EP2 VPA2 VCP2
E (NA), E10(B), E12(D), E13(E) Engine and ECT ECU (A/T) Engine ECU (M/T)
E (NA), E10(B), E12(D), E13(E) Engine and ECT ECU (A/T) Engine ECU (M/T)
E (NA), E10(B), E12(D), E13(E) Engine and ECT ECU (A/T) Engine ECU (M/T)
Skid Control ECU with Actuator <2ZI-7>
Skid Control ECU <2ZI-11>/<2ZI-12>
Throttle Control Motor and Position Sensor
Heated Oxygen Sensor (Bank 1 Sensor 2)
Engine Compartment Left
Under the Left Center Pillar
Under the Left Center Pillar
Left Side of the Cylinder Head
Left Side of the Cylinder Head
Left Side of the Cylinder Head
Behind the Combination Meter
Right Kick Panel


Power Source
Engine Control (1CD-FTV)
Engine Control (1CD-FTV)
Engine Control (1CD-FTV)
Engine Control (1CD-FTV)
Cruise Control (1CD-FTV)
* 1 : Shielded
* 2 : w/ Cruise Control
* 3 : w/ Navigation System (Map Type)
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
A20 Accel Position Sensor
E 8(AL E10(B), E12(D), E13(E) Engine ECU (M/T)
E 8(AL E10(B), E12(D), E13(E) Engine ECU (A/T)
E 4(AL E 5(B) Electronic Driver Unit
C10(AL C11(B) Combination Meter
C14 Combination SW
Left Kick Panel
Near the Starter
Engine Compartment Left
Right Kick Panel
Behind the Combination Meter

Power Source

Engine Immobiliser System

* 1 : Gasoline
* 2 : Diesel
* 3 : 2AZ-FSE, 1AZ-FSE, 1AZ-FE
* 4 : 1ZZ-FE, 3ZZ-FE
* 5 : w/ Theft Deterrent

1 2 3 4

W-R

6

2

7. 5A ECU-B 1

1

1 6A

W

1 IE5 (LHD)
2 IP1 (RHD)

(*2) W

(*1) W

1

2

50A AM1 NO. 1

1

1 1B

(*2) W

3

2

140A ALT

1

B-R

4 AM2

IG2 6

ST2

I13
Ignition SW

B-R

1 IE4 (LHD)
1 IP1 (RHD)

B-R

W
(*1)

1

2

30A AM2

1

1 1A

(*2) B

(*1) B-G

3

1 4A

4

2

50A AM1 NO. 1

1

2

120A ALT (*3)
100A ALT (*4)

1

3

1 4B

(*2) B

(*1) B-G

FL MAIN
3. 0W

Battery

B-R

2 DH

10A IGN

4 DA

B-W

W-R

I12
Transponder Key Amplifier

GND TXCT CODE VC5

7 5 4 1

GR-R L-R Y-G Y-B

13 12 11 8

AGND TXCT CODE VC5

DLC3<5-19><6-15>
<7-13><8-15>
<50-19><51-15>

W-G

9

D

2 IG

1 +B

T 8
Transponder Key Computer

IND GND KSW CTY EFII EFIO

3 14 10 4 7 6

B W-B (LHD) W-B (RHD) Y R W GR

1 (LHD)
7 8 (RHD)

SEC IMB

F19
Security Indicator Light

(*5) V

Theft Deterrent ECU
<2-8>

8 (LHD)
1 (RHD)

E

5 CI

9 CH 6 CA

W-B
(LHD)

W-B
(RHD)

W-B (LHD)

W-B (RHD)

A
A J16
Junction
Connector

A (RHD) W-B

Right Kick Panel IP

IL Behind the
Combination Meter

Unlock Warning SW
<1-20><2-17>

Door Courtesy SW Front LH
<1-19>
Door Courtesy SW Front RH
<2-16>

Engine and ECT ECU (A/T)
<5-11><6-11><7-7>
Engine ECU (M/T)
<5-11><6-11><7-7>
<8-10><50-12><51-9><51-10>

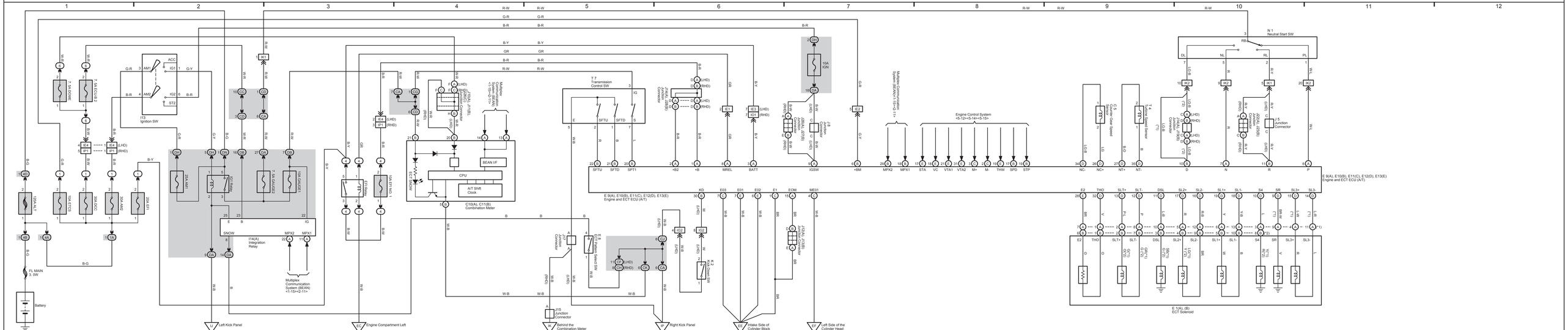
Power Source

ECT and A/T Indicator (2AZ-FSE, 1AZ-FSE)

ECT and A/T Indicator (2AZ-FSE, 1AZ-FSE)

ECT and A/T Indicator (2AZ-FSE, 1AZ-FSE)

*1 : 2AZ-FSE
*2 : 1AZ-FSE

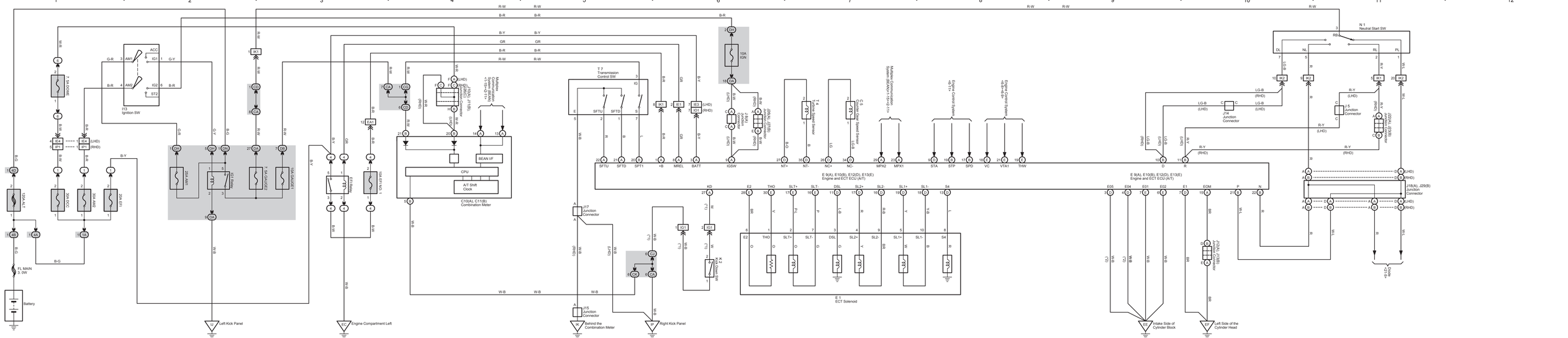


Power Source | ECT and A/T Indicator (1AZ-FE) | ECT and A/T Indicator (1AZ-FE) | ECT and A/T Indicator (1AZ-FE)

1 2 3 4 5 6 7 8 9 10 11 12

* 1 : Europe

* 2 : Unleaded Gasoline



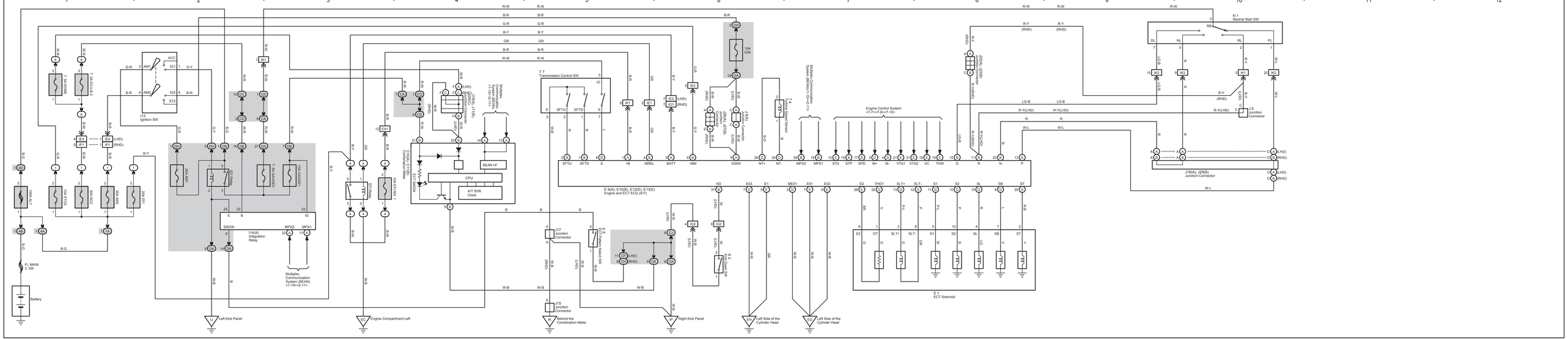
Power Source

ECT and A/T Indicator (1ZZ-FE)

ECT and A/T Indicator (1ZZ-FE)

ECT and A/T Indicator (1ZZ-FE)

1 2 3 4 5 6 7 8 9 10 11 12



Power Source

Headlight (w/o Daytime Running Light)

1 2 3 4

W-L
1
2
40A MAIN
1
1 1A
(*2) B
(*1) B-G
3
1 4A
3
1 4B
(*2) B
(*1) B-G
FL MAIN
3. 0W
Battery

A/C Control Assembly <48-8><53-6>
(*3) R-Y

W-L
W-L
2 2
1 3
H-LP Relay
2 5
2 2
W-R
(w/ HID)
W-R
W-R

Headlight Cleaner Relay<28-4>
(*7 w/ HID) R-Y
R-Y
E A E A
J 3(A), J 4(B) Junction Connector
D B D B D B
(*3) R-Y
R-Y
(*5) R-Y
R-Y(*4)
R-Y(*6)
R-Y(*4)
R-Y(*6)

Headlight Beam Level Control ECU<24-3>
(*4) R-Y
Headlight Cleaner SW <28-4>
(*4) R-Y
E E
J29 Junction Connector
E E
(*4) R-Y
(*4) R-Y

Headlight Beam Level Control ECU<24-3>
(LHD w/ HID) R-Y
Headlight Cleaner SW <28-4><30-4>
(LHD *7) R-Y
C A C A
J 6(A), J 7(B) Junction Connector
C B C B
(*6) R-Y
(*6) R-Y

13 8

C12 Combination SW

		EL	T	H	HL	HU	HF
Light Control SW	OFF						
	Tail	○	○				
	Head	○	○	○			
Dimmer SW	Flash	○				○	○
	Low	○			○		
	High	○				○	

16 7

W-B
IL Behind the Combination Meter

R-W

W-R
(w/ HID)
W-R
2
1 15A H-LP LH
2
2
(w/ HID) R
(w/o HID) R
F 7 Headlight Control ECU LH
2
1
(w/ HID) W-B
A
J 2 Junction Connector
A W-B

1 15A H-LP RH
2
2
R-B (w/ HID)
F 9 Headlight Control ECU RH
2
1
(w/ HID) W-B

F 8 Headlight LH (Low)
2
1
(w/o HID) W-B

F10 Headlight RH (Low)
2
1
(w/o HID) W-B

W-B
ED Engine Compartment Left
W-B
EC Engine Compartment Left
W-B
EB Engine Compartment Right
W-B
EA Engine Compartment Right

2
1 10A H-LP HI LH
2
2
(w/ HID) R-Y
H 5 Headlight LH (High)
2
3
R-W

1 10A H-LP HI RH
2
2
R-L (w/ HID)
H 6 Headlight RH (High)
2
3
R-W

R-L (w/o HID)
R-L (w/o HID)
R-L (w/o HID)
R-L
R-L
J 3(A), J 4(B) Junction Connector
D A
D A
E B
D A
R-W(w/ HID)
R (w/o HID)

12 B
C10(A), C11(B) Combination Meter
High Beam
6 A
R-W(w/ HID)
R (w/o HID)

B A B A
J 3(A), J 4(B) Junction Connector
B B B B
R-W

* 1 : Gasoline
* 2 : Diesel
* 3 : Power Heater (Electrical Type)
* 4 : RHD w/ HID
* 5 : LHD General, RHD w/o HID
* 6 : LHD Except General
* 7 : w/ Headlight Cleaner

Power Source

Taillight

1 2 3 4

* 1 : w/ Daytime Running Light
* 2 : w/o Daytime Running Light
* 3 : Gasoline
* 4 : Diesel
* 5 : 2AZ-FSE, 1AZ-FE, 1AZ-FSE
* 6 : 1ZZ-FE, 3ZZ-FE
* 7 : L/B, W/G

B-G (*3)

B-L (*4)

1 ED1

1 DN

4 DM

G

1 4D

2 120A ALT (*5) 100A ALT (*6)

1 4B

2 140A ALT

1 3

1 5 TAIL Relay

2 3

13 TRLY Integration Relay T 12

10A TAIL

23 DA 12 DB 8 DL 9 DL

(*2) R (*1) R G G

14

C12 Combination SW

Light Control SW	T	H	EL
OFF			
Tail	○		○
Head	○	○	○

16

A J 1 Junction Connector A

G

1 F 1 Front Clearance Light LH 2

1 F 2 Front Clearance Light RH 2

W-B

W-B (LHD)

Engine and ECT ECU (A/T) <5-11><6-11><7-7> Engine ECU (M/T) <5-11><6-11><7-7> <50-14><51-12>

C B (LHD) C D (RHD)

J10(A), J11(B), J26(C), J27(D), Junction Connector

C A ---C A (LHD) C C ---C C (RHD)

14 B C10(A), C11(B) Combination Meter Tail 17 A

A J16 Junction Connector A

3 IC2

G

A A J30(A), J31(B) Junction Connector A B

4 A (S/D) 6 B (L/B) 5 C (W/G) R13(A), (B), (C) Rear Combination Light LH Tail 2 A (S/D) 5 B (L/B) 4 C (W/G)

1 L 1 License Plate Light LH 2

1 L 2 License Plate Light RH 2

(S/D)

C B J31(B) Junction Connector C B

W-B (S/D)

4 A (S/D) 2 B (L/B) 2 C (W/G) R14(A), (B), (C) Rear Combination Light RH Tail 6 A (S/D) 3 B (L/B) 3 C (W/G)

(*7)

3 BD2 (L/B) 1 BF2 (W/G)

(L/B) (W/G)

3 BE2 6 BG2

B A J33(A), J34(B) Junction Connector C B C B

(*7)

1 L 1 License Plate Light LH 2

1 L 2 License Plate Light RH 2

A B J34(B) Junction Connector A B

A J17 Junction Connector A

(RHD)

A J15 Junction Connector

B-G (*3) B (*4)

FL MAIN 3. 0W

Battery

IL Behind the Combination Meter

EC Engine Compartment Left

EB Engine Compartment Right

IK Behind the Combination Meter

BS Lower Back Panel Left

BT Lower Back Panel Center

BX Right Side of the Back Door

Power Source

Turn Signal and Hazard Warning Light

1 2 3 4

* 1 : Gasoline
* 2 : Diesel
* 3 : 2AZ-FSE, 1AZ-FSE, 1AZ-FE
* 4 : 1ZZ-FE, 3ZZ-FE
* 5 : w/ HID
* 6 : w/o HID
* 7 : Behind the Combination Meter

I13 Ignition SW

T10 Turn Signal Flasher Relay

Integration Relay <1-6><2-5>

J10(A), J11(B), J24(C), J25(D) Junction Connector

J 5 Junction Connector

J22(A), J23(B) Junction Connector

J 5 Junction Connector

C12 Combination SW

H13 Hazard SW

10A HAZARD

25A AM1

IG1 Relay

7. 5A GAUGE2

140A ALT

120A ALT (*3) 100A ALT (*4)

FL MAIN 3. 0W

Battery

C10(A), C11(B) Combination Meter

R13(A), (B), (C) Rear Combination Light LH

F 7(A), F 8(B) Front Turn Signal Light LH

F 5 Front Side Turn Signal Light LH

J17 Junction Connector

J15 Junction Connector

F 9(A), F10(B) Front Turn Signal Light RH

F 6 Front Side Turn Signal Light RH

R14(A), (B), (C) Rear Combination Light RH

J16 Junction Connector

Left Kick Panel

Lower Back Panel Left

Engine Compartment Left

Engine Compartment Right

Lower Back Panel Center (S/D, L/B)

Lower Back Panel Right (W/G)

Right Kick Panel

Power Source | Front Fog Light | Rear Fog Light

1 | 2 | 3 | 4

* 1 : Gasoline
* 2 : Diesel
* 3 : w/ Front Fog Light and Rear Fog Light
* 4 : w/ Front Fog Light
* 5 : w/ Rear Fog Light
* 6 : w/ Rear Fog Light w/o Front Fog Light
* 7 : 2AZ-FSE, 1AZ-FSE, 1AZ-FE
* 8 : 1ZZ-FE, 3ZZ-FE

R-Y (*5) — 11 IC2 — R-Y (*5) — 10 DA — 7. 5A RR FOG — 1 DN

G-Y (*4) — 24 DA — 15A FR FOG

Taillight System <14-1> — 2 — 3 — TAIL Relay — 1 — 5

4 DM — 10A TAIL

B-L (*2) — 1 ED1 — W (*2) — 3 — 2 — 140A ALT — 1 — 3 — B (*2)

B-G (*1) — 1 4D — 2 — 120A ALT (*7) 100A ALT (*8) — 1 — 1 4B — B-G (*1)

B (*2) — FL MAIN 3. 0W — Battery

G — A — J30 Junction Connector — A — A — G — G (*5) — (*5)

A — G (*4) — 3 IC2 — G (*4) — J10(A), J11(B), J26(C), J27(D) Junction Connector

C A (LHD) / C C (RHD) — C B (LHD) / C D (RHD) — G (*4)

G-Y (*4) — 5 — 5 — FR FOG Relay — 5 — 2 — 3 — 1 — 5 — 5

G (*4) — G (*4)

R-Y (*5) — 1 — 5 — R 8 Rear Fog Light Relay — 2 — 3

W-R (*5) — 13 IC2

R-W (*5) — 5 IC3

R-W (LHD *5) — R-W (RHD *5)

G (*4) — C B — J 3(A), J 4(B) Junction Connector — A A — A A

G (*4) — 2 — F 3 Front Fog Light LH — 1 — W-B (*4)

G (*4) — 2 — F 4 Front Fog Light RH — 1 — W-B (*4)

Engine Compartment Left — EC

Engine Compartment Right — EB

G (*4) — 7 A — R-W (*5) — 8 A — C10(A), C11(B) Combination Meter — Front Fog — Rear Fog — 5 B

W-B — 6 CK — 6 CA — W-B — Right Kick Panel — IP

W-B (RHD) — 6 CG

R-Y (*4) — W-R (*5) — R-W (*5) — 11 — 12

Fog Light SW	FR	EF	RR
OFF			
Front (*4)	○		
Rear (*6)		○	
Rear (*3)	○	○	

C12 Combination SW

10 — W-B (LHD) — 16 DA — 9 DA — W-B (LHD) — Left Kick Panel — IJ

5 A (S/D) / 1 B (L/B) / 2 C (W/G) — Fog — R13(A), (B), (C) Rear Combination Light LH — 2 A (S/D) / 5 B (L/B) / 4 C (W/G)

3 A (S/D) / 7 B (L/B) / 5 C (W/G) — Fog — R14(A), (B), (C) Rear Combination Light RH — 6 A (S/D) / 3 B (L/B) / 3 C (W/G)

W-B (LHD *5) — W-B (RHD *5)

W-B — Lower Back Panel Left — BS — BT — Lower Back Panel Center (S/D, H/B) — Lower Back Panel Right (W/G)

Power Source

Stop Light

1 2 3 4

* 1 : Gasoline
* 2 : Diesel
* 3 : 2AZ-FSE, 1AZ-FSE, 1AZ-FE
* 4 : 1ZZ-FE, 3ZZ-FE
* 5 : w/ Shift Lock

11 IE3
2 IR1
R-W (LHD)
R-W (RHD)
22 DA
15A STOP
1 DN
B-L (*2)
1 ED1
W (*2)
3
B (*2)
B-G (*1)
1 4D
2
120A ALT (*3) 100A ALT (*4)
1
1 4B
140A ALT
B-G(*1)
FL MAIN 3. 0W
Battery

2 S13 Stop Light SW
1
G-W (LHD)
G-W (RHD)
6 IE3
1 IR1
2 DA
1 DM
2 DL
1 DB
10 DC
G-W (*5)
Skid Control ECU with Actuator <20-6><21-5>
Shift Lock Control ECU <32-4>
Engine and ECT ECU (A/T) <5-12><6-11><7-8>
Engine ECU (M/T) <5-12><6-11><7-8> <8-9><50-11><51-9>

G-W
G-W (S/D)
1
2
H20 High Mounted Stop Light
W-B (S/D)
C
J32 Junction Connector
C
W-B (S/D)
B A
C B
J30(A), J31(B) Junction Connector
W-B (S/D)
Lower Back Panel Left BS

C A
J30(A), J31(B) Junction Connector
B B
G-W
1 A (S/D)
4 B (L/B)
6 C (W/G)
Stop
R13(A), (B), (C) Rear Combination Light LH
2 A (S/D)
5 B (L/B)
4 C (W/G)
W-B (L/B, W/G)
(L/B, W/G)
W-B

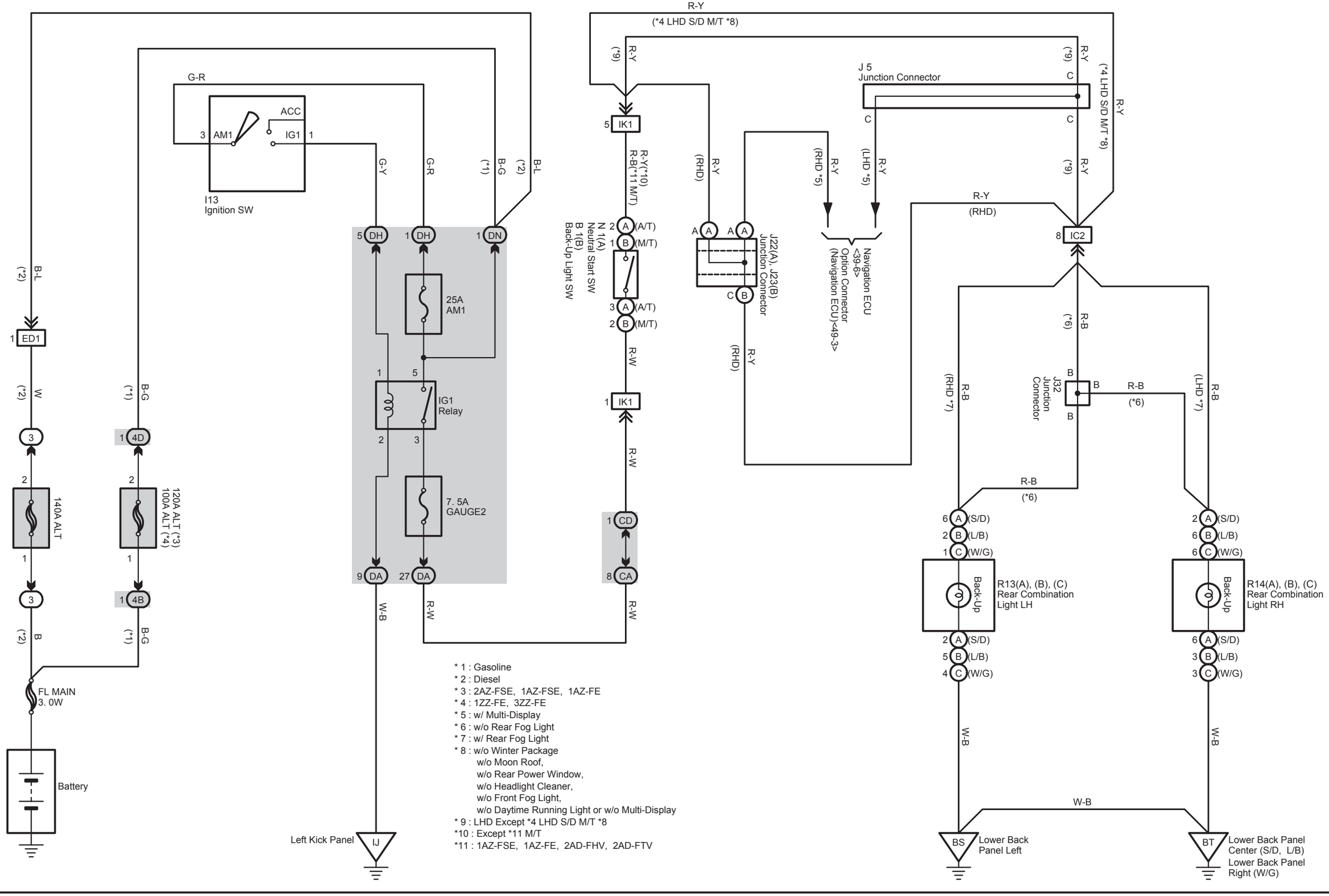
G-W (L/B, W/G)
C A
B B
G-W
7 A (S/D)
4 B (L/B)
1 C (W/G)
Stop
R14(A), (B), (C) Rear Combination Light RH
6 A (S/D)
3 B (L/B)
3 C (W/G)
W-B
W-B (L/B, W/G)
2 BD1 (L/B)
4 BF1 (W/G)
(W/G) W-B
(L/B) W-B
3 BG1
2 BE1
Lower Back Panel Center (S/D, L/B)
Lower Back Panel Right (W/G) BT
Right Side of the Back Door BX

G-W (L/B, W/G)
1 BD1 (L/B)
3 BF1 (W/G)
N 8 Noise Filter (Stop Light)
L (L/B)
1 BE1
G-W (L/B)
G-W (W/G)
1
2
H20 High Mounted Stop Light
L (W/G)
W-B (L/B)
4 BG1
W-B (W/G)
A A
A B
J33(A), J34(B) Junction Connector
W-B (L/B, W/G)

Power Source

Back-Up Light

1 2 3 4

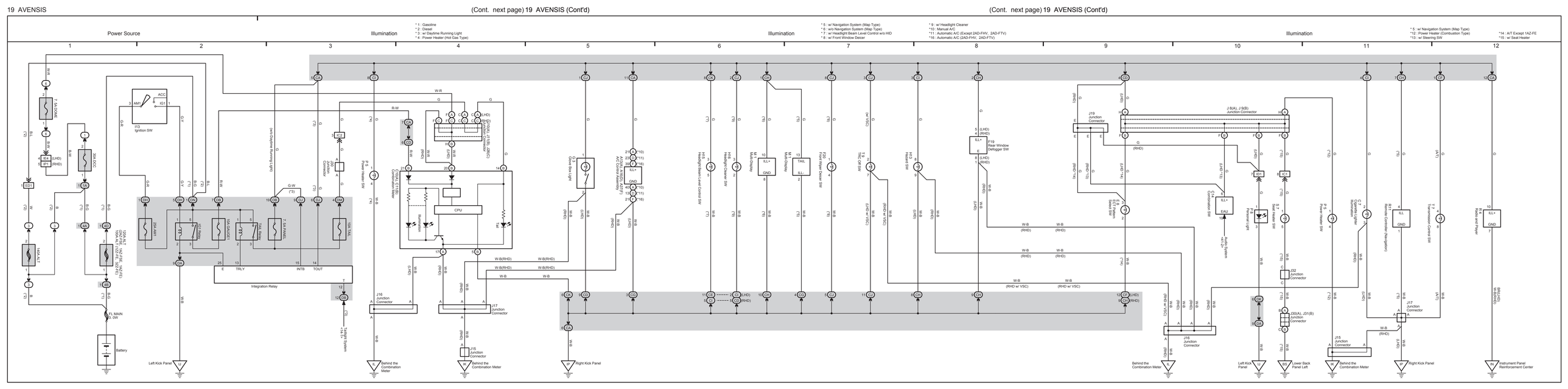


* 1 : Gasoline
* 2 : Diesel
* 3 : 2AZ-FSE, 1AZ-FSE, 1AZ-FE
* 4 : 1ZZ-FE, 3ZZ-FE
* 5 : w/ Multi-Display
* 6 : w/o Rear Fog Light
* 7 : w/ Rear Fog Light
* 8 : w/o Winter Package
  w/o Moon Roof,
  w/o Rear Power Window,
  w/o Headlight Cleaner,
  w/o Front Fog Light,
  w/o Daytime Running Light or w/o Multi-Display
* 9 : LHD Except *4 LHD S/D M/T *8
*10 : Except *11 M/T
*11 : 1AZ-FSE, 1AZ-FE, 2AD-FHV, 2AD-FTV

Power Source | Illumination | Illumination | Illumination

1 2 3 4 5 6 7 8 9 10 11 12

* 1 : Gasoline
* 2 : Diesel
* 3 : w/ Daytime Running Light
* 4 : Power Heater (Hot Gas Type)
* 5 : w/ Navigation System (Map Type)
* 6 : w/o Navigation System (Map Type)
* 7 : w/ Headlight Beam Level Control w/o HID
* 8 : w/ Front Window Deicer
* 9 : w/ Headlight Cleaner
*10 : Manual A/C
*11 : Automatic A/C (Except 2AD-FHV, 2AD-FTV)
*16 : Automatic A/C (2AD-FHV, 2AD-FTV)
* 5 : w/ Navigation System (Map Type)
*12 : Power Heater (Combustion Type)
*13 : w/ Steering SW
*14 : A/T Except 1AZ-FE
*15 : w/ Seat Heater



Power Source

ABS (w/ VSC) and TRC and VSC

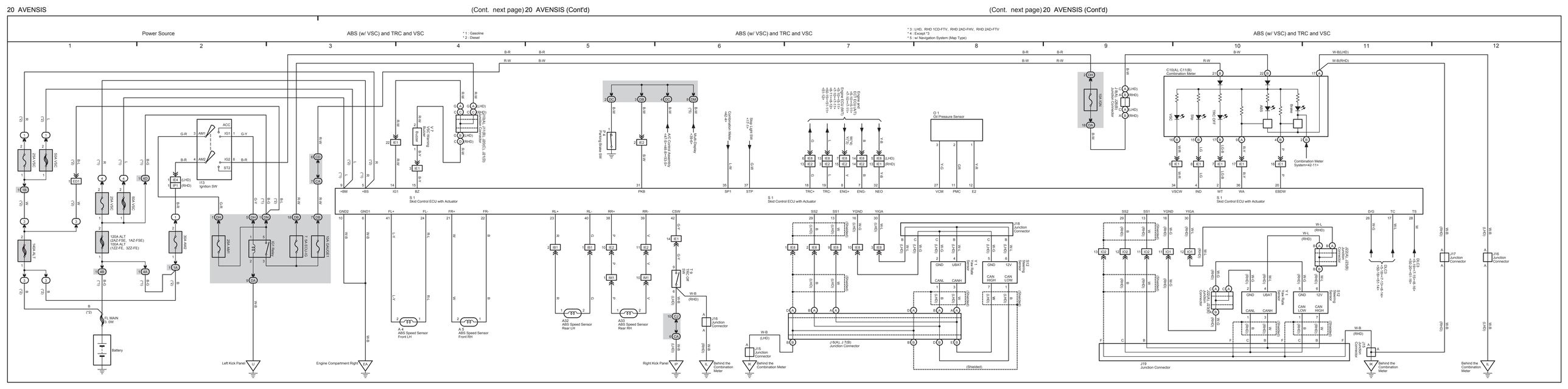
* 1 : Gasoline
* 2 : Diesel

ABS (w/ VSC) and TRC and VSC

* 3 : LHD, RHD 1CD-FTV, RHD 2AD-FHV, RHD 2AD-FTV
* 4 : Except *3
* 5 : w/ Navigation System (Map Type)

ABS (w/ VSC) and TRC and VSC

1 2 3 4 5 6 7 8 9 10 11 12



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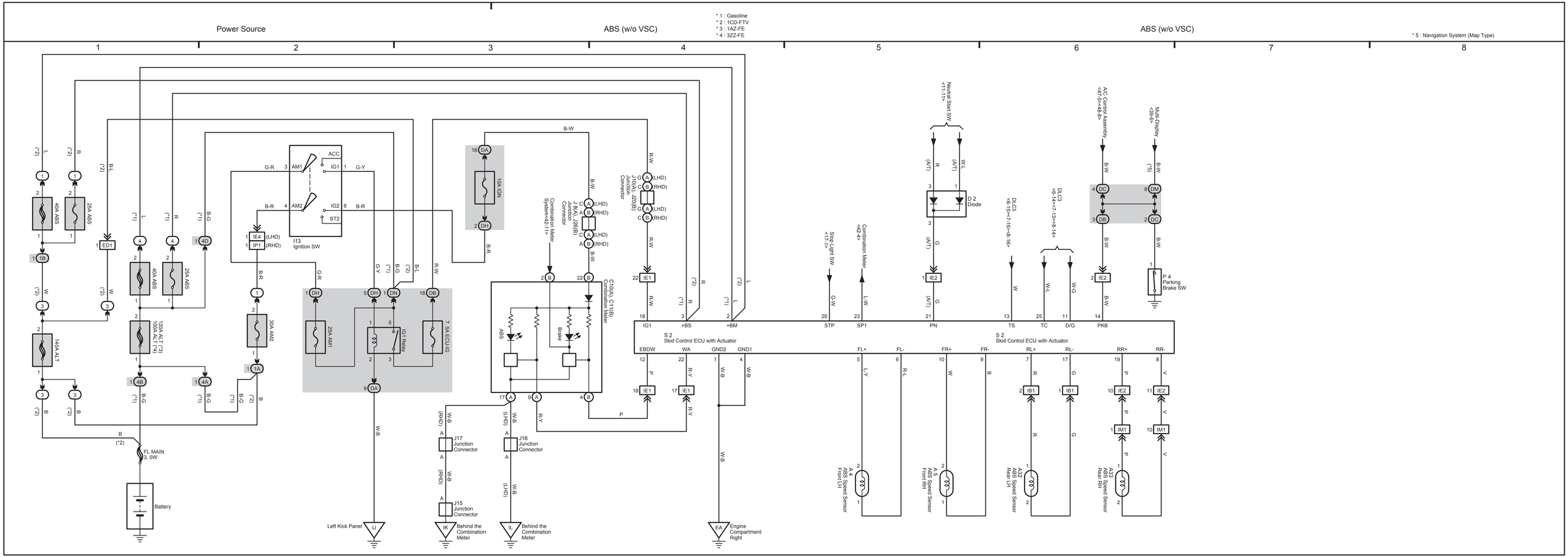
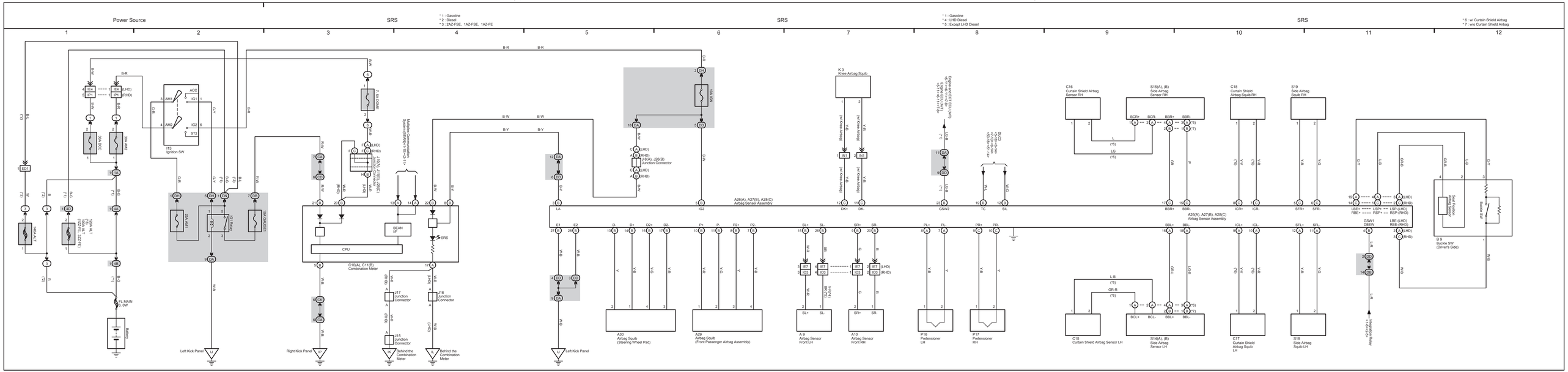



Power Source
SRS
SRS
SRS
* 1 : Gasoline
* 2 : Diesel
* 3 : 2AZ-FSE, 1AZ-FSE, 1AZ-FE
* 1 : Gasoline
* 4 : LHD Diesel
* 5 : Except LHD Diesel
* 6 : w/ Curtain Shield Airbag
* 7 : w/o Curtain Shield Airbag
1 2 3 4 5 6 7 8 9 10 11 12
ACC
IG1
IG2
ST2
AM1
AM2
I13 Ignition SW
7.5A DOME
30A ACC
30A AM2
10A ECU-B
25A WIPER
15A STOP
10A GAUGE
10A HAZ
10A ECU-IG
10A ECU-B2
10A AM1
10A ECU-IG2
10A ECU-B1
10A ECU-B3
10A ECU-IG3
10A ECU-B4
10A ECU-IG4
10A ECU-B5
10A ECU-IG5
10A ECU-B6
10A ECU-IG6
10A ECU-B7
10A ECU-IG7
10A ECU-B8
10A ECU-IG8
10A ECU-B9
10A ECU-IG9
10A ECU-B10
10A ECU-IG10
10A ECU-B11
10A ECU-IG11
10A ECU-B12
10A ECU-IG12
10A

Power Source

EPS

1 2 3 4

I13
Ignition SW

ACC
AM1
AM2
IG1
IG2
ST2

G-R
G-Y
B-R
R-W
G-R
B-G
B-W
R-W
R
W-R
L
GR
GR-R
W-G
W-L
W
V-W
W-B

1 IE4 (LHD)
1 IP1 (RHD)

50A EMPS
30A AM2
100A ALT
FL MAIN
3. 0W
Battery

5 DH
18 DB
1 DH
1 DN
9 DA

7. 5A ECU-IG
25A AM1
IG1 Relay

2 DH
18 DA
10A IGN

J 8(A), J26(B) Junction Connector
J10(A), J11(B), J20(C), J21(D) Junction Connector

C10(A), C11(B) Combination Meter
P/S

22 B
17 A
6 B

EMPS Relay

IE1

E14(A), E15(B)
EPS ECU

IG
PIG
RLY
IDUP
TACH
SIL
TC
TS
WL
M1
M2
TRQV
TRQ1
TRQ2
TRQG
SPD
PGND

EPS Motor
Torque Sensor

Engine and ECT ECU (A/T)<7-11>
Engine ECU (M/T)<7-11>

DLC3 <7-14>
DLC3 <7-14>
DLC3 <7-15>

Combination Meter <42-4>

J17 Junction Connector
J16 Junction Connector
J15 Junction Connector

Left Kick Panel IJ
IK Behind the Combination Meter
IL Behind the Combination Meter
IM Behind the Combination Meter

Power Source

Headlight Beam Level Control (w/ HID)

1 2 3 4

ACC
G-R 3 AM1
IG1 1 G-Y
B-R 4 AM2
IG2 6 B-R
ST2
I13
Ignition SW

1 IE4 (LHD)
1 IP1 (RHD)
B-R
1
2
30A AM2
1
1 1A
B-L (*2)
1 ED1
W (*2)
3
2
140A ALT
1
3
B (*2)
FL MAIN
3. 0W
Battery

B (*2)
3
B-G (*1)
1 4D
2
120A ALT (*3)
100A ALT (*4)
1
1 4B
B-G (*1)

B-G (*1)
1 4A

G-R
B-G (*1)
B-L (*2)
G-Y
R-W
B-R

1 DH
1 DN
5 DH
27 DA
2 DH
25A AM1
5
1
IG1 Relay
3
2
7. 5A GAUGE2
10A IGN
9 DA
18 DA

W-B
IJ
Left Kick Panel

B-W
C A (LHD)
A B (RHD)
J 8(A), J26(B) Junction Connector
C A (LHD)
A B (RHD)
B-W
22
C11 Combination Meter
Beam Level
10

R-W
8 CA
5 CK
R-W
1 IG

H-LP Relay <1-7><13-2>
R-Y
10 HDLP

Combination Meter <42-3>
V-W
12 SPDR

H14
Headlight Beam Level Control ECU

WNG 11
LG

E1 24
(LHD) W-B
(RHD) W-B
10 CE
2 CI
6 CA
W-B
IP
Right Kick Panel

H 1
Headlight Beam Level Control Actuator LH
2 B-W
3 L
1 P
7 IE6 -- 1 IE6 -- 6 IE6
7 IO2 -- 1 IO2 -- 6 IO2
B-W L P
4 LH2 14 LH1 23 LH3

H 2
Headlight Beam Level Control Actuator RH
2 G-Y
3 L-W
1 P-L
12 IE1
8 IE6 -- 2 IE6 (LHD)
8 IO2 -- 2 IO2 (RHD)
G-Y L-W P-L
3 RH2 13 RH1 22 RH3

WNG 11 E1 24 SBF 15 SHF 6 SGF 21 SBR 2 SHR 5 SGR 20

H18
Height Control Sensor
(Front)
W-G W-R W
3 IH1 4 IH1 5 IH1
1 SHB 2 SHFR 3 SHG

H19
Height Control Sensor
(Rear)
B-W L G-W
8 IM1 7 IM1 6 IM1
1 SHB 2 SHRR 3 SHG

* 1 : Gasoline
* 2 : Diesel
* 3 : 2AZ-FSE, 1AZ-FSE, 1AZ-FE
* 4 : 1ZZ-FE, 3ZZ-FE

Power Source

Headlight Beam Level Control (w/o HID)

1 2 3 4

* 1 : Gasoline
* 2 : Diesel
* 3 : 2AZ-FSE, 1AZ-FSE, 1AZ-FE
* 4 : 1ZZ-FE, 3ZZ-FE
* 5 : Except RHD Diesel
* 6 : RHD Diesel

B-L (*2)

B-G (*1)

1 DN

1 5 TAIL Relay

2 3

Taillight System <14-1>

10A TAIL

8 DL

4 DM

G

A J30 Junction Connector A

G

3 IC2

G

C A (LHD)
C B (RHD)

J10(A), J26(B) Junction Connector

C A (LHD)
C B (RHD)

G

W-B

5

H15 Headlight Beam Level Control SW

4 2

P-L

G-Y

W-B

11 CE (LHD)
5 CI (RHD)

6 CA

W-B

Right Kick Panel IP

A J 1 Junction Connector A

G

3

H 1 Headlight Beam Level Control Actuator LH

1 W-B

2 G-Y

C A

A B J 3(A), J 4(B) Junction Connector

G-Y

EC Engine Compartment Left

G

3

H 2 Headlight Beam Level Control Actuator RH

2 G-Y(*5) G-R(*6)

C A

1 P-L

12 IE1

P-L

G-Y

1 ED1

B-L (*2)

W (*2)

3

2 140A ALT 1

3

B (*2)

1 4D

B-G (*1)

2 120A ALT (*3) 100A ALT (*4) 1

1 4B

B-G (*1)

B (*2)

FL MAIN 3. 0W

Battery

Power Source | Horn | Fuel Heater | Fuel Lid Opener

1 | 2 | 3 | 4

* 1 : Gasoline
* 2 : Diesel
* 3 : 2AZ-FSE, 1AZ-FSE, 1AZ-FE
* 4 : 1ZZ-FE, 3ZZ-FE
* 5 : w/ Theft Deterrent

W
1 IE5 (LHD)
2 IP1 (RHD)
(*2) W
1
2
50A AM1 NO. 1
1
B-L
1 ED1
1 1B
W
(*2)
W
3
3
2
140A ALT
1
3
3
(*1) W
4
2
50A AM1 NO. 1
1
2
120A ALT (*3)
100A ALT (*4)
1
1 4B
B-G
(*1)
1 4A
L
1
2
25A F-HTR
1
1 1A
B-G
(*1)
W
1
2
15A HORN
1
B
(*2)
B
(*2)
FL MAIN
3. 0W
Battery
W
W
2 2
1 5
HORN
Relay
2 3
2 2
G
13 IE1 (LHD)
20 IE1 (RHD)
G
(RHD)
J26(A), J27(B)
Junction
Connector
D B
B A B A
(*5) G
Theft Deterrent ECU
<2-8>
G
(RHD)
G
(LHD)
1
Horn SW
C14
Combination SW
G-W
1 H11
Horn LH
1 H12
Horn RH
ACC
G-R 3 AM1
IG1 1
G-Y
I13
Ignition SW
G-Y
R-L
G-R
B-L
5 DH
10 DL
1 DH
1 DN
7. 5A ECU-IG
25A AM1
1 3
IG1 Relay
2 5
9 DA
W-B
Left Kick Panel
IJ
R-L
L
2 2
2 5
F-HTR
Relay
1 3
2
W-B
Engine Compartment
Left
EC
2
L-R
1 EE1
L-R
2
F15
Fuel Heater
1
W-B
EI
Near the Starter
W
1 6A
1
10A
FUEL OPN
2
6
L-B
13 IA2 (LHD)
13 IL2 (RHD)
L-B
3
F24
Fuel Lid
Opener SW
2
L-R
12 IA2 (LHD)
12 IL2 (RHD)
L-R
18 IC2
L-R
2
M
F23
Fuel Lid
Opener
Motor
1
W-B
C
J32
Junction
Connector
C
W-B
W-B
B A
J30(A), J31(B)
Junction
Connector
C B
W-B
BS
Lower Back
Panel Left

Power Source

Front Wiper and Washer (w/ Auto Wiper System)

1 2 3 4

L-R

C J 1 Junction Connector C

ACC 3 AM1 IG1 1

I13 Ignition SW

B-L (*2)

1 ED1

B-L (*2)

B-G (*1)

W (*2)

G-R

B-G (*1)

G-Y

L-R

L-R (LHD)

1 4D 2 120A ALT (*3) 100A ALT (*4)

1 4B

2 3 140A ALT

1 3

B-G (*1)

B (*2)

FL MAIN 3. 0W

Battery

1 DH 1 DN 5 DH 17 DL 26 DA

25A AM1

5 1 IG1 Relay 3 2

25A WIP

9 DA 18 DL

W-B

L-R

Left Kick Panel IJ

L-R (RHD)

J24(A), J25(B) Junction Connector A A A C B

L-R (RHD)

L-R (RHD)

J14 Junction Connector A A A

L-R (LHD)

R-W (RHD)

J24(A), J25(B) Junction Connector A B A B C A C A

R-W (*8)

Engine ECU <50-15><51-12>

B-R

R-W (RHD)

R-W (LHD)

J14 Junction Connector B B B

R-W(LHD) (*7)

R-W (RHD)

L-R (LHD)

L-R(RHD)

Engine ECU <50-15><51-12>

8 IE3 8 IO1 ---- 3 IE3 3 IO1 ---------- 10 IE3 (LHD) 10 IO1 (RHD)

B-R R-W G

1 5 ---- 4 3 ---- 3 (LHD) 1 (RHD)

+1 +2 S

M

F13 Front Wiper Motor

B E

2 2 ---------- 5 (LHD) 4 (RHD)

L-R

D D J 2 Junction Connector W-B W-B

Left Side of the Suspension Tower ED

Front Wiper SW

	+B	+1	+2	+S	AUTO	E
MIST	○	○				
OFF		○	○			
AUTO		○	○		○	
LO	○	○				
HI	○		○			

Front Washer SW

	WF	EW
Off		
On	○	○

C13 Combination SW

+1 +2 +B +S AUTO E VR1 VR2 WF EW

7 8 17 16 13 15 12 14 11 2

R-W (RHD) B-R R-W (LHD) L-R L-R(RHD) L-Y O W GR-R LG-B W-L W-B

W 2 Wiper Relay

+S RSI SP SG E WF

17 2 19 23 22 12

G LG P-B V W-B W-L

12 ID1 13 ID1 3 ID1

LG P-B V

3 1 2

RS-SIGNAL VCC RS GND

R12 Rain Sensor

F11 Front Washer Motor

2 M 1

W-L (*5)

W-L (*6)

J 2 Junction Connector B B

W-L (*5)

1 IE3 (LHD) 1 IO1 (RHD)

W-L

W-B

A J15 Junction Connector

Behind the Combination Meter IK

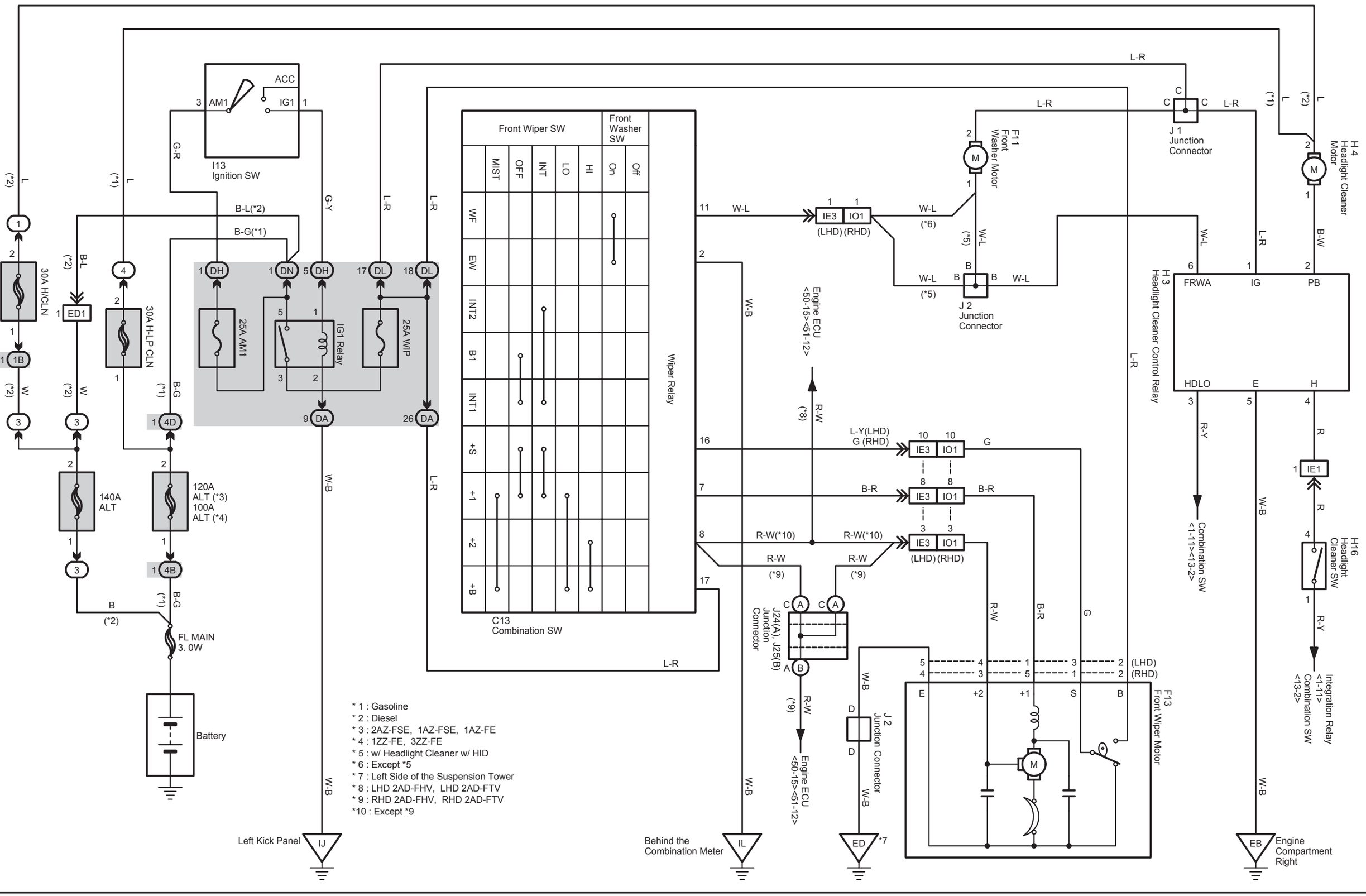
W-B

Behind the Combination Meter IL

* 1 : Gasoline
* 2 : Diesel
* 3 : 2AZ-FSE, 1AZ-FSE, 1AZ-FE
* 4 : 1ZZ-FE, 3ZZ-FE
* 5 : w/ Headlight Cleaner w/ HID
* 6 : Except *5
* 7 : LHD 2AD-FHV, LHD 2AD-FTV
* 8 : RHD 2AD-FHV, RHD 2AD-FTV

Power Source | Front Wiper and Washer (w/o Auto Wiper System) | Headlight Cleaner (w/ HID)

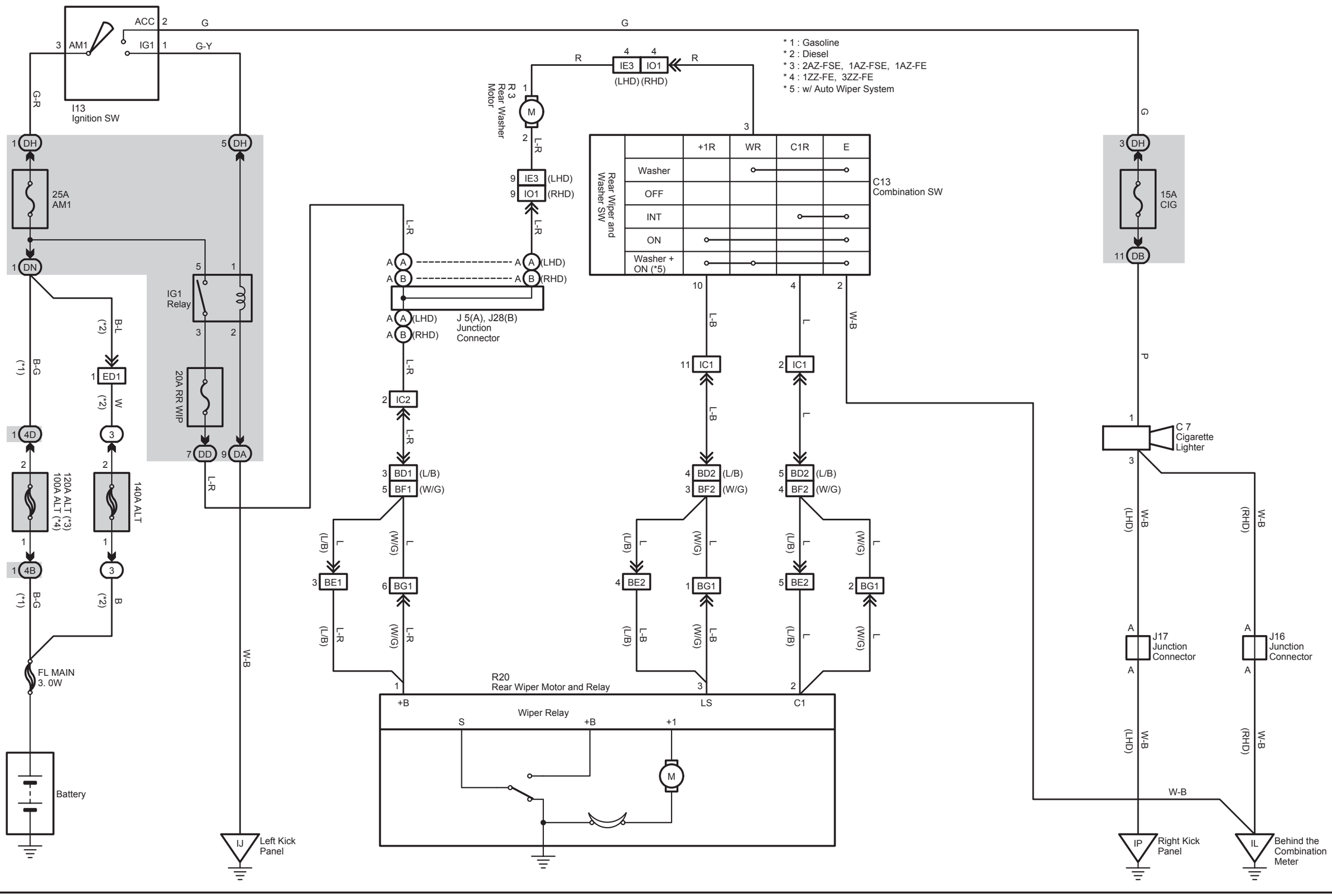
1 | 2 | 3 | 4



* 1 : Gasoline
* 2 : Diesel
* 3 : 2AZ-FSE, 1AZ-FSE, 1AZ-FE
* 4 : 1ZZ-FE, 3ZZ-FE
* 5 : w/ Headlight Cleaner w/ HID
* 6 : Except *5
* 7 : Left Side of the Suspension Tower
* 8 : LHD 2AD-FHV, LHD 2AD-FTV
* 9 : RHD 2AD-FHV, RHD 2AD-FTV
*10 : Except *9

Power Source | Rear Wiper and Washer | Cigarette Lighter

1 | 2 | 3 | 4



Power Source | Power Outlet | Headlight Cleaner (w/o HID)

1 | 2 | 3 | 4

* 1 : Gasoline
* 2 : Diesel
* 3 : 2AZ-FSE, 1AZ-FSE, 1AZ-FE
* 4 : 1ZZ-FE, 3ZZ-FE

I13 Ignition SW
ACC 2 G
AM1 3
IG1 1

30A H/CLN
140A ALT
30A H-LP CLN
120A ALT (*3) 100A ALT (*4)
FL MAIN 3. 0W
Battery

25A AM1
15A P/POINT
25A WIP
IG1 Relay
7. 5A RAD NO. 1

J 1 Junction Connector
J 8(A), J 9(B), J20(C), J21(D) Junction Connector
P/POINT Relay
P 6 Power Outlet
J17 Junction Connector
J15 Junction Connector

Integration Relay <1-7>
Combination SW <13-2>
H16 Headlight Cleaner SW
H 3 Headlight Cleaner Control Relay
H 4 Headlight Cleaner Motor

Left Kick Panel IJ
Behind the Combination Meter IK
Right Kick Panel IP
Engine Compartment Right EB

Power Source

Remote Control Mirror

1 2 3 4

* 1 : w/ Retractor
* 2 : Gasoline
* 3 : Diesel
* 4 : 2AZ-FSE, 1AZ-FSE, 1AZ-FE
* 5 : 1ZZ-FE, 3ZZ-FE

I13
Ignition SW

ACC
IG1
AM1

7. 5A
RAD NO. 1

25A
AM1

R10
Remote Control Mirror SW

Left
Right
Up
Down
Operation SW
Left/Up
Right/Down
Select SW
Retraction
Return
Retractor SW

J 8(A), J 9(B), J20(C), J21(D) Junction Connector

(LHD)
(RHD)

120A ALT (*4)
100A ALT (*5)

140A ALT

FL MAIN
3. 0W

Battery

M 4
Remote Control Mirror LH

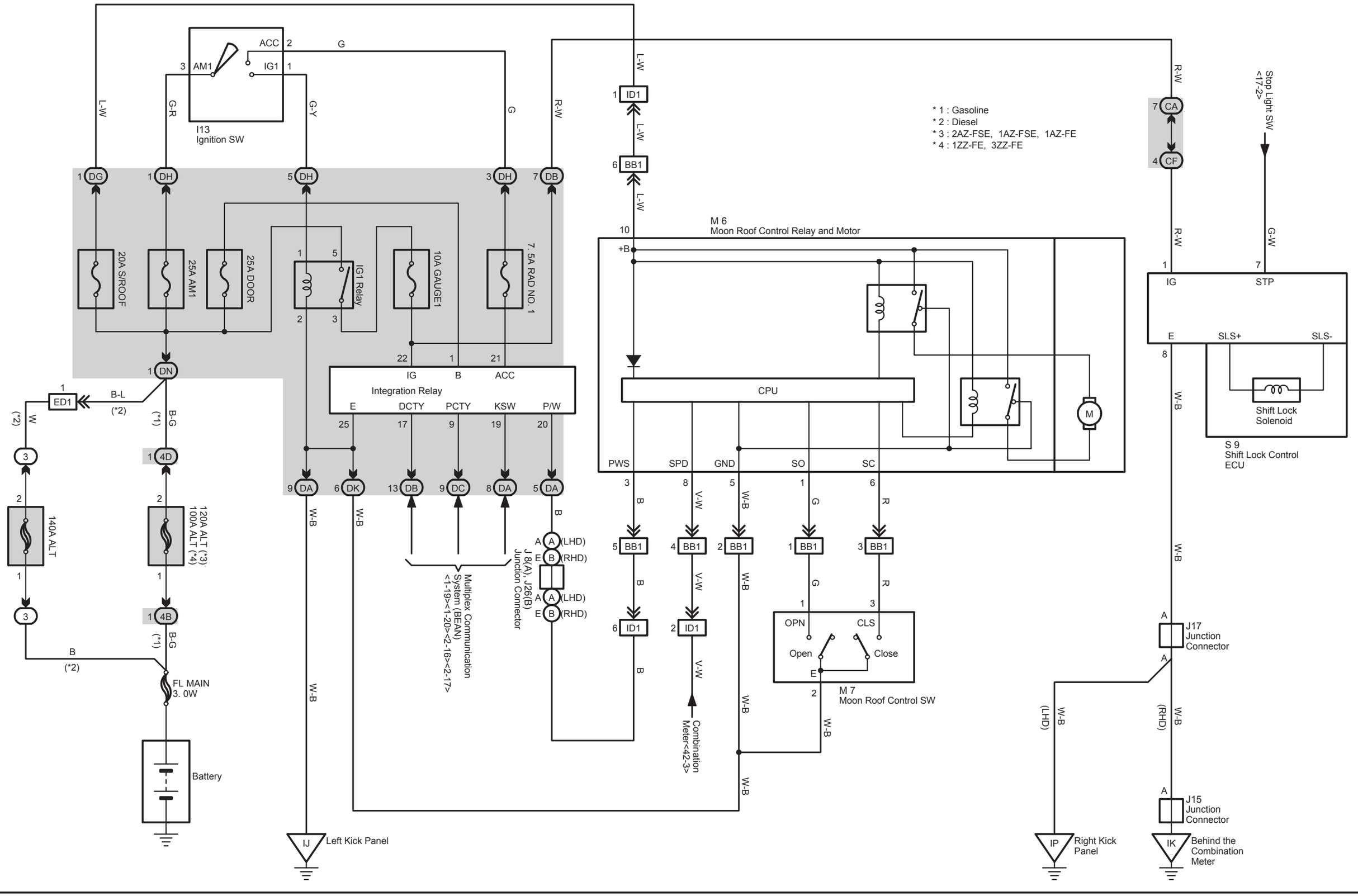
M 5
Remote Control Mirror RH

HL
HR
VL
VR
MR
MF
M+
E
MH
MV
MR
M+
MF

Right Kick Panel
IP

Power Source | Moon Roof | Shift Lock

1 | 2 | 3 | 4



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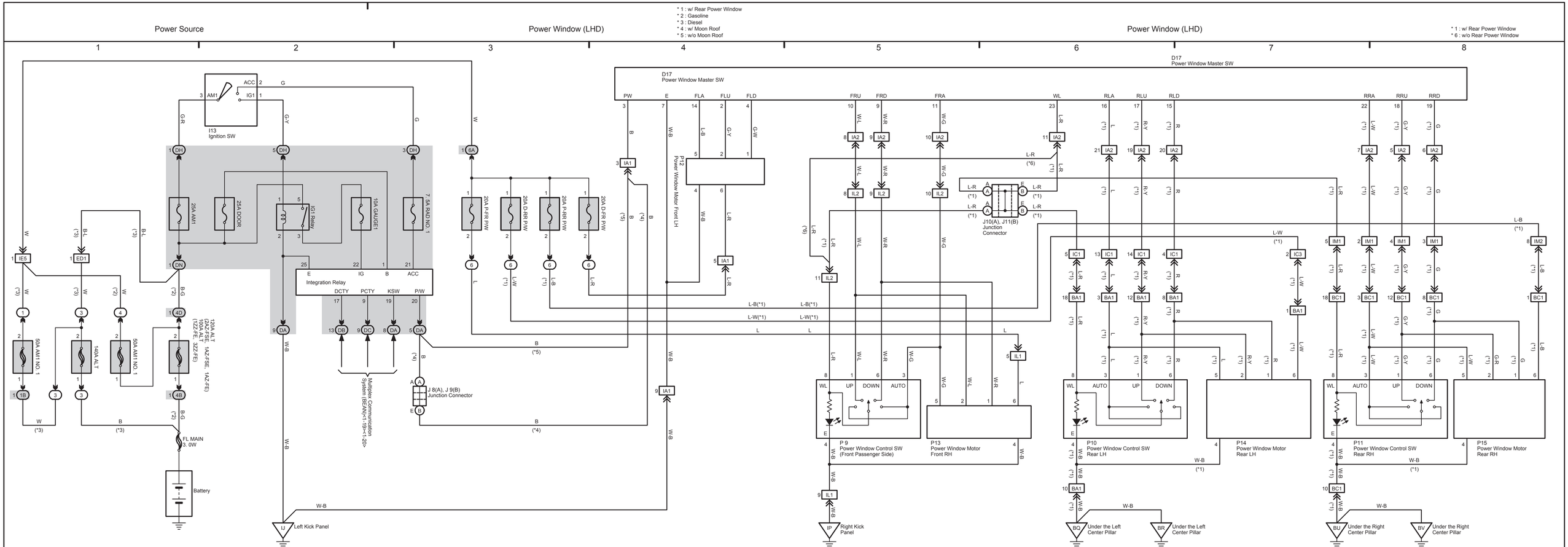
* 1 : w/ Rear Power Window
* 2 : Gasoline
* 3 : Diesel
* 4 : w/ Moon Roof
* 5 : w/o Moon Roof

Power Source | Power Window (LHD) | Power Window (LHD)

* 1 : w/ Rear Power Window
* 6 : w/o Rear Power Window



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Power Source

Power Window (RHD)

* 1 : w/ Rear Power Window
* 2 : Gasoline
* 3 : Diesel
* 4 : w/ Moon Roof
* 5 : w/o Moon Roof

Power Window (RHD)

* 1 : w/ Rear Power Window
* 6 : w/o Rear Power Window

1 2 3 4 5 6 7 8

I13 Ignition SW

ACC 2 G
3 AM1 IG1 1

25A AM1
25A DOOR
IG1 Relay
10A GAUGE1
7.5A RAD NO. 1

Integration Relay
E IG B ACC
DCTY PCTY KSW P/W

50A AM1 NO. 1
140A ALT
50A AM1 NO. 1
120A ALT (2ZZ-GE, 1AZ-FSE, 1AZ-FE)
100A ALT (1ZZ-FE, 3ZZ-FE)

FL MAIN 3.0W

Battery

Multiplex Communication System (BEAN)<2.18><2.17>

J26(A), J27(B) Junction Connector

IJ Left Kick Panel

IP Right Kick Panel

D17 Power Window Master SW

PW E FRA FRU FRD FLU FLD FLA WL RLA RLU RLD RRA RRU RRD

P13 Power Window Motor Front RH

20A P-FR PWR
20A P-RR PWR
20A D-RR PWR
20A D-FR PWR

P 9 Power Window Control SW (Front Passenger Side)
WL UP DOWN AUTO

P12 Power Window Motor Front LH

IJ Left Kick Panel

P10 Power Window Control SW Rear LH
WL AUTO UP DOWN

P14 Power Window Motor Rear LH

BQ Under the Left Center Pillar
BR Under the Left Center Pillar

P11 Power Window Control SW Rear RH
WL AUTO UP DOWN

P15 Power Window Motor Rear RH

BU Under the Right Center Pillar
BV Under the Right Center Pillar

L-B(*1)
L-W(*1)
L-Y

Power Source | Front Window Deicer | Mirror Heater

1 | 2 | 3 | 4

* 1 : Gasoline
* 2 : Diesel
* 3 : w/ Mirror Heater
* 4 : w/ Front Window Deicer
* 5 : LHD w/ FR DEICER Relay w/o Front Window Deicer
* 6 : RHD w/ FR DEICER Relay

B-L (*2)
W (*2)
R-W
G-R
G-Y (*1)
B-G (*2)
B-L
R-W
R-W (*4)
L (*4)
R-W
R-W
G-W (*6)
G-W (*6)
B (*3)
B (*4)
L(*5)
G-W (*5)
G-W (*5)
B
B-Y
W (*2)
W (*2)
W (*1)
B-G (*1)
W (*2)
B (*2)
W-B (*4)
W-B
W-B
W-B

Power Source

Rear Window Defogger

1 2 3 4

* 1 : Gasoline
* 2 : Diesel
* 3 : w/o FR DEICER Relay
* 4 : LHD w/ FR DEICER Relay
* 5 : RHD w/ FR DEICER Relay
* 6 : *4 w/o Front Window Deicer

I13 Ignition SW

ACC, IG1, AM1

N 6 Noise Filter (Rear Window Defogger No. 1)

N 7 Noise Filter (Rear Window Defogger No. 2)

R 9 Rear Window Defogger Relay

FR DEICER Relay <35-3>

30A RR DEF

25A AM1

IG1 Relay

10A GAUGE1

7. 5A DEF I/UP

120A ALT (2AZ-FSE, 1AZ-FSE, 1AZ-FE) 100A ALT (1ZZ-FE, 3ZZ-FE)

140A ALT

FL MAIN 3. 0W

Battery

J 6 Junction Connector

J16 Junction Connector

F19 Rear Window Defogger SW

Noise Filter

Rear Window Defogger

R18(A), R19(B) Rear Window Defogger

Short Connector <35-3>

A/C Control Assembly <47-6><48-8>

Left Kick Panel

Right Quarter Panel

Right Side of the Back Door

Right Kick Panel

Behind the Combination Meter

Power Source

Automatic Glare-Resistant EC Mirror

Seat Heater

1 2 3 4

* 1 : w/ Power Seat
* 2 : w/o Power Seat
* 3 : Gasoline
* 4 : Diesel
* 5 : 2AZ-FSE, 1AZ-FSE, 1AZ-FE
* 6 : 1ZZ-FE, 3ZZ-FE

ACC
AM1
IG1
I13
Ignition SW
G-R
G-Y
R-L
1 DH
5 DH
16 DM
25A AM1
IG1 Relay
10A HTR
SEAT HTR Relay
10A GAUGE1
20A S-HTR
1 DN
B-L (*4)
9 DA
6 DK
11 DK
33 DA
5 DM
1 ED1
W (*4)
B-G (*3)
3
4D
4B
2
140A ALT
120A ALT (*5)
100A ALT (*6)
FL MAIN
3. 0W
Battery
W-B
R-W
I15
Inner Mirror
J32
Junction Connector
J30(A), J31(B)
Junction Connector
J17
Junction Connector
Left Kick Panel
IJ
Right Kick Panel
IP
BS
Lower Back Panel Left

S 7(A), S 8(B)
Seat Heater SW
2 A
IG
E
5 A
RVL
3 A
SWL
4 A
SWR
1 B
RVR
2 B
W-B
LG
LG-B
B
B-O
(*2)
L-B
17 IC2
11 IM2
(*1)
F A
G A
E A
H B
G B
A B
J35(A), J36(B)
Junction Connector
R
R-G
Y
G
B
Seat Heater Controller
Seat Heater Squab
Seat Heater Cushion
6
S16
Seat Heater LH
1
S17
Seat Heater RH
J37(A), J38(B)
Junction Connector
Under the Left Center Pillar
BR
Under the Right Center Pillar
BV

Power Source

Power Seat

* 1 : Gasoline
* 2 : Diesel
* 3 : 2AZ-FSE, 1AZ-FSE, 1AZ-FE
* 4 : 1ZZ-FE, 3ZZ-FE

1 2 3 4

W

B-G (*1)

B-L (*2)

1 IE5 (LHD)
2 IP1 (RHD)

1 ED1

1 DN
1
30A PWR SEAT
2
2 DM

(*2) W

(*1) B-G

(*1) W

50A AM1 NO. 1

1 1B

(*2) W

1 4D

4

3

3

50A AM1 NO. 1

120A ALT (*3)
100A ALT (*4)

140A ALT

1 4B

3

(*1) B-G

(*2) B

FL MAIN
3. 0W

Battery

L-O (RHD)

L-O (LHD)

A A (LHD)
A C (RHD)

J35(A), J36(B), J37(C), J38(D) Junction Connector

E B (LHD) — E B (LHD)
E D (RHD) — E D (RHD)

L-O (RHD)

1 6A
1
30A PWR SEAT
2
6
L-O
10 IM2

L-O (LHD)

L-O (RHD)

A A (RHD)
A C (LHD)

J35(A), J36(B), J37(C), J38(D) Junction Connector

E B (RHD)
E D (LHD)

Y-R(LHD)
R-L(RHD)

R-L(LHD)
Y-R(RHD)

1 (LHD)
1 (RHD)

P18
Power Seat Control SW (Driver's Seat)

P19
Power Seat Control SW
(Front Passenger's Seat)

3 B

L 7
Lumbar Support Control SW

H R E2 E1
4 1 2 5
R-B R-G W-B W-B

L 6
Lumbar Support Control Motor

2 (LHD)
1 (RHD)
M
1 (LHD)
2 (RHD)

F B F B F B (LHD)
F D F D F D (RHD)

J35(A), J36(B), J37(C), J38(D) Junction Connector

H A (LHD)
H C (RHD)

(RHD) W-B
(LHD) W-B

Under the Right Center Pillar
BV

BR
Under the Left Center Pillar

B

Slide
Front Vertical
Lifter
Reclining

Front
Rear
Up
Down
Up
Down
Front
Rear

E SLDF SLDR FUP FDWN LUP LDWN RCLF RCLR

4 9 6 10 5 7 8 3 2 (LHD)
4 9 6 5 10 8 7 3 2 (RHD)

W-B L L-B L-Y L-R Y-G Y Y-R Y-B

P23 Power Seat Motor (Driver's Seat Slide Control)
P20 Power Seat Motor (Driver's Seat Front Vertical Control)
P21 Power Seat Motor (Driver's Seat Lifter Control)
P22 Power Seat Motor (Driver's Seat Reclining Control)

2 1 (LHD) (RHD) M 1 2 (LHD) (RHD)

1 2 (LHD) (RHD) M 2 1 (LHD) (RHD)

2 (LHD) (RHD) M 1

Under the Left Center Pillar
BR

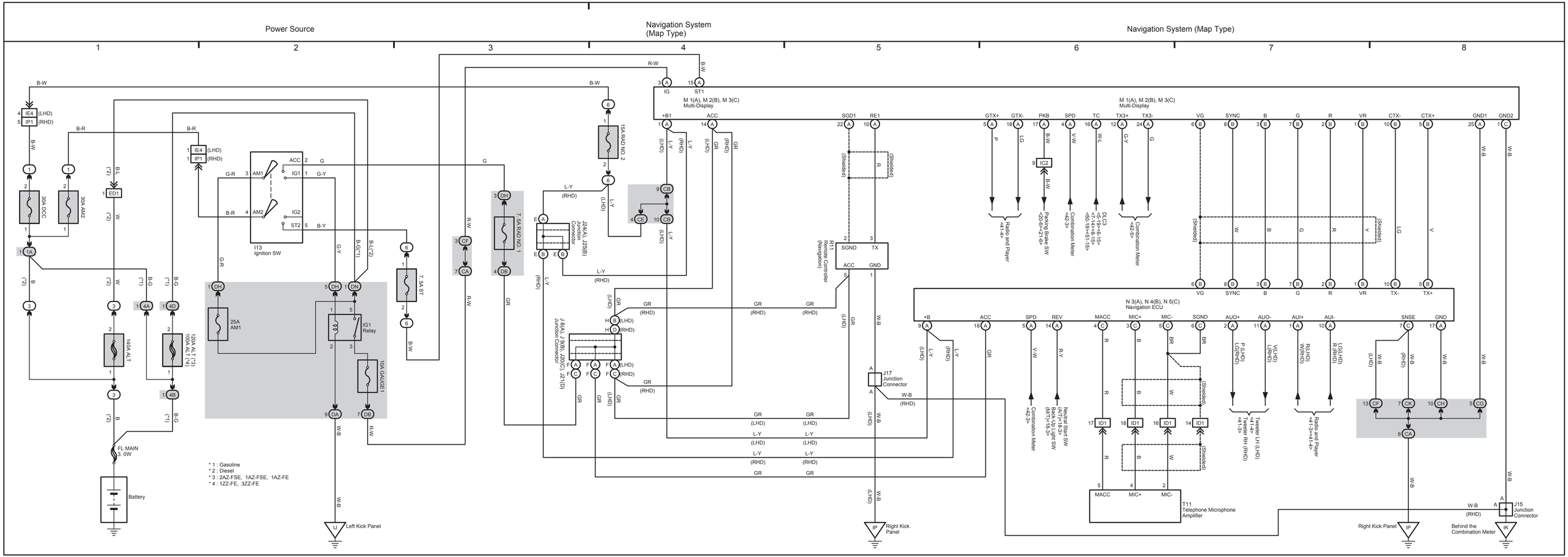
(RHD) W-B
(LHD) W-B

Under the Right Center Pillar
BV

P25 Power Seat Motor (Front Passenger's Seat Slide Control)

P24 Power Seat Motor (Front Passenger's Seat Reclining Control)

(Cont. next page)



Power Source

Multi-Display (w/o Navigation System Map Type)

1 2 3 4

* 1 : Gasoline
* 2 : Diesel
* 3 : 2AZ-FSE, 1AZ-FSE, 1AZ-FE
* 4 : 1ZZ-FE, 3ZZ-FE

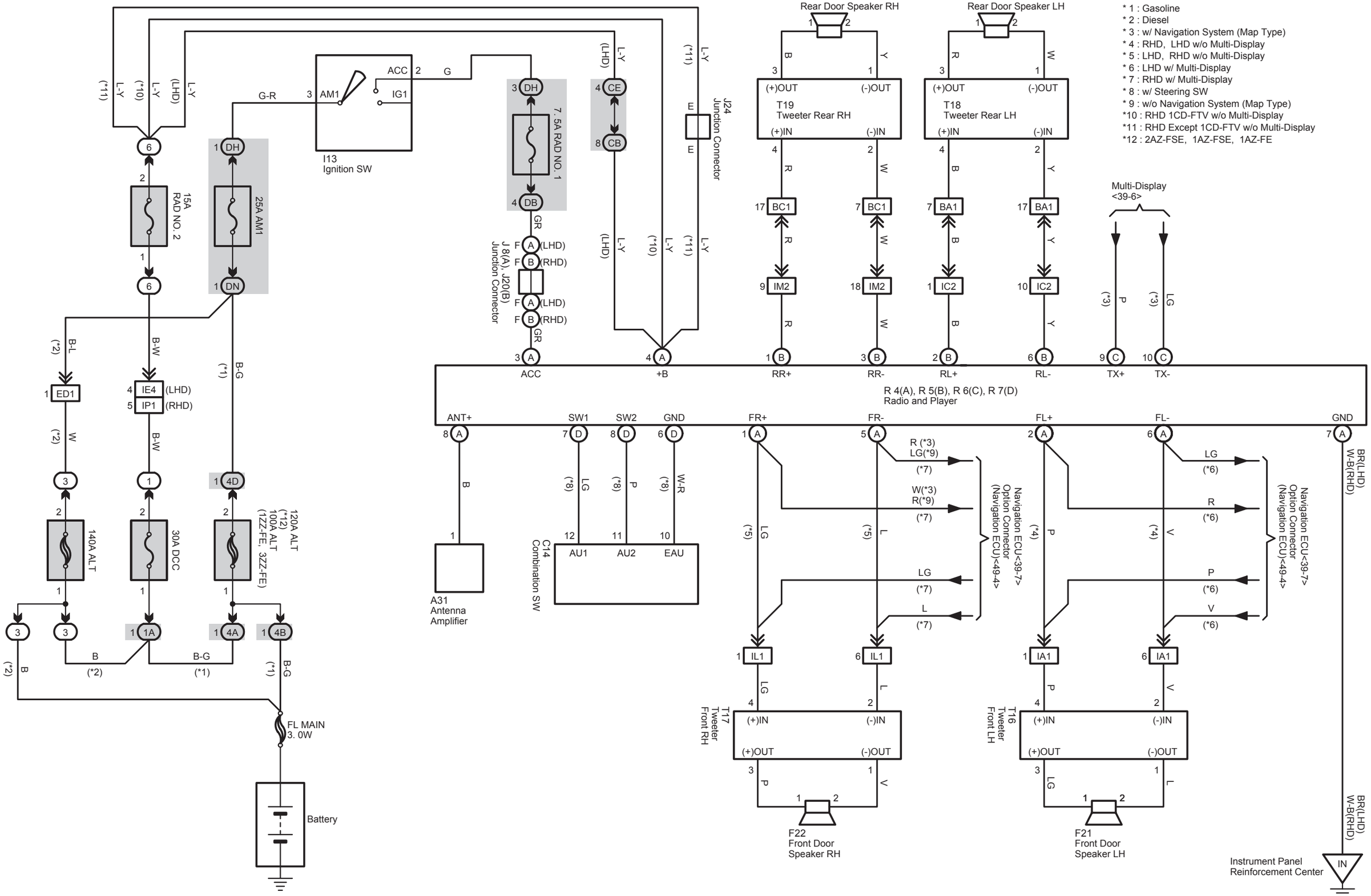
B-W
4 IE4 (LHD)
5 IP1 (RHD)
B-W
1
2
30A DCC
1
1 1A
B (*2)
3
2
140A ALT
1
3
B (*2)
FL MAIN 3. 0W
Battery
B-L (*2)
1 ED1
W (*2)
3
B-G (*1)
1 4A
B-G (*1)
1 4D
2
120A ALT (*3) 100A ALT (*4)
1
1 4B
B-G (*1)
I13 Ignition SW
ACC 2
G
3 AM1
IG1 1
G-Y
G-R
B-G (*1)
B-L (*2)
1 DH
5 DH
1 DN
3 DH
4 DB
25A AM1
1
5
IG1 Relay
2
3
7. 5A RAD NO. 1
10A GAUGE1
9 DA
7 DB
W-B
R-W
Left Kick Panel
IJ
GR
(RHD)
GR
F A (LHD)
F C
F C (RHD)
J 8(A), J 9(B), J20(C) Junction Connector
H B
GR
(LHD)
1 A
ACC
B-W
6
1
15A RAD NO. 2
2
L-Y
(LHD)
6
L-Y
(RHD)
E A
E B
J24(A), J25(B) Junction Connector
L-Y
(RHD)
L-Y
(LHD)
4 CE
9 CB
L-Y
(LHD)
9 A
+B
M 1(A), M 2(B), M 3(C) Multi-Display
IG 2 A
GND 1 C
TX1+ 4 A
TX1- 13 A
DTX+ 2 B
DTX- 5 B
SG 4 B
BRQ 1 B
TX3+ 6 A
TX3- 15 A
ST1 7 A
GND 8 A
R-W
W-B
G-Y
G
G
G-Y
L
B
P
LG
W-R
W-B
3 CF
7 CA
R-W
Combination Meter <42-5>
Option Connector (Navigation ECU) <49-2>
9
DISP
EAU
10
C14 Combination SW
Audio System <41-2>
10 CH
6 CA
W-B
W-B
A
J15 Junction Connector
IK
Behind the Combination Meter
Right Kick Panel
IP

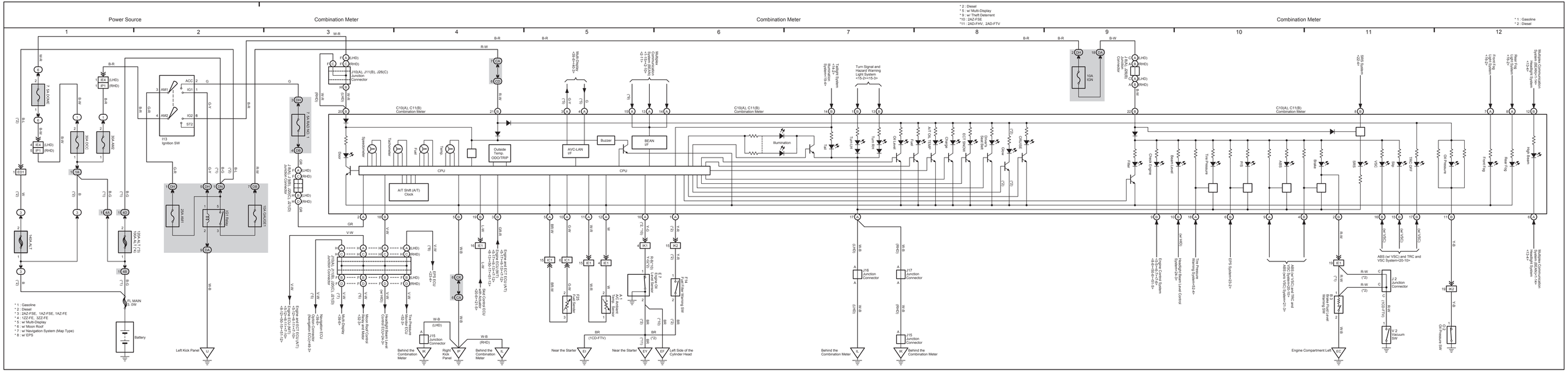
Power Source

Audio System

1 2 3 4

* 1 : Gasoline
* 2 : Diesel
* 3 : w/ Navigation System (Map Type)
* 4 : RHD, LHD w/o Multi-Display
* 5 : LHD, RHD w/o Multi-Display
* 6 : LHD w/ Multi-Display
* 7 : RHD w/ Multi-Display
* 8 : w/ Steering SW
* 9 : w/o Navigation System (Map Type)
*10 : RHD 1CD-FTV w/o Multi-Display
*11 : RHD Except 1CD-FTV w/o Multi-Display
*12 : 2AZ-FSE, 1AZ-FSE, 1AZ-FE





* 1 : Gasoline
* 2 : Diesel
* 3 : 2AZ-FSE, 1AZ-FSE, 1AZ-FE
* 4 : 1ZZ-FE, 3ZZ-FE
* 5 : w/ Multi-Display
* 6 : w/ Moon Roof
* 7 : w/ Navigation System (Map Type)
* 8 : w/ EPS

Power Source

Power Heater (Combustion Type)

Power Heater (Electrical Type)

1 2 3 4

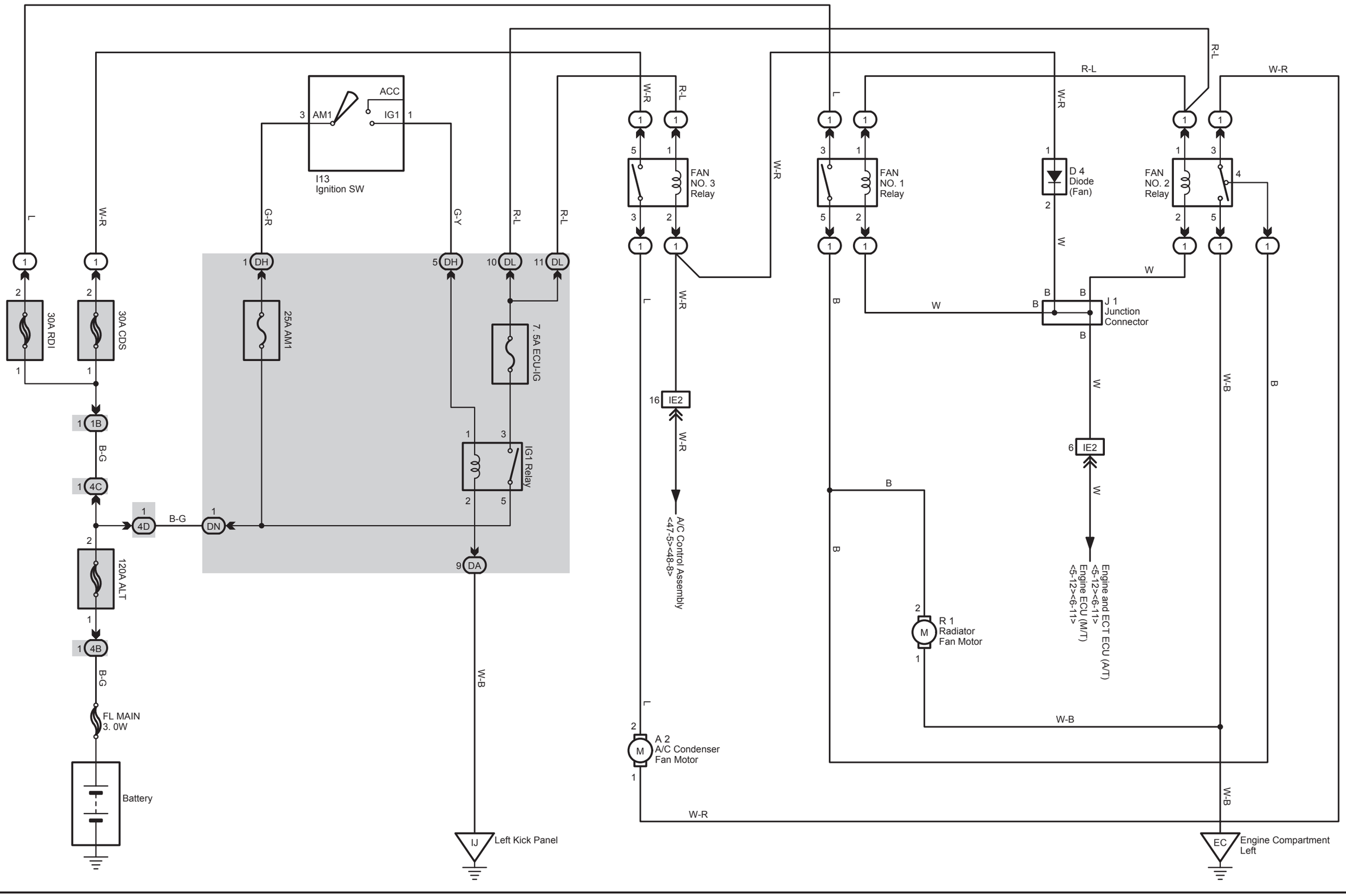
* 1 : 1CD-FTV
* 2 : 2AD-FHV, 2AD-FTV

I13 Ignition SW
ACC
AM1
IG1
G-R
G-Y
B-L
1 DH
5 DH
1 DN
25A AM1
IG1 Relay
10A HTR
9 DA
6 DC
W-B
R-W
1 CB
12 CK
3 IG
E
IN
2
6
P 5 Power Heater SW
G-Y
W
5 +
P 1 Power Heater Assembly
ALT+L
SW
F/P
-
8
3
2
1
W-B
L
G-Y
(*2) Y
13 IE6
(*2) Y
4 IK2
(*2) Y
Alternator <3-3>
(*1) Y
3 EE1
(*1) Y
Alternator <3-3>
12 IE6
G-Y
1 M
2
F17 Fuel Pump
A
A
J 2 Junction Connector
W-B
A/C Control Assembly <48-8><53-6>
W-L
R-W
5 IK2
16 IK2
B
W-L
R-W
B-R
3 3 3 3
3 1
HTR1 Relay
1 3
HTR2 Relay
5 2
2 5
3 3 3 3
B
BR
BR
W
BR
1 PTC1
2 PTC2
P 7 PTC Heater
BR
1 ED1
W
B-R
B
W
1 2 3 3
2 2 2 2
25A PWR HTR
50A HTR2
50A HTR1
140A ALT
1 1 1 1
1 1A
B
3
3
B
FL MAIN 3. 0W
Battery
Left Kick Panel IJ
A
J15 Junction Connector
IK Behind the Combination Meter
Engine Compartment Left EC
Near the Starter EY

Power Source

Radiator Fan and Condenser Fan (2AZ-FSE, 1AZ-FSE, 1AZ-FE)

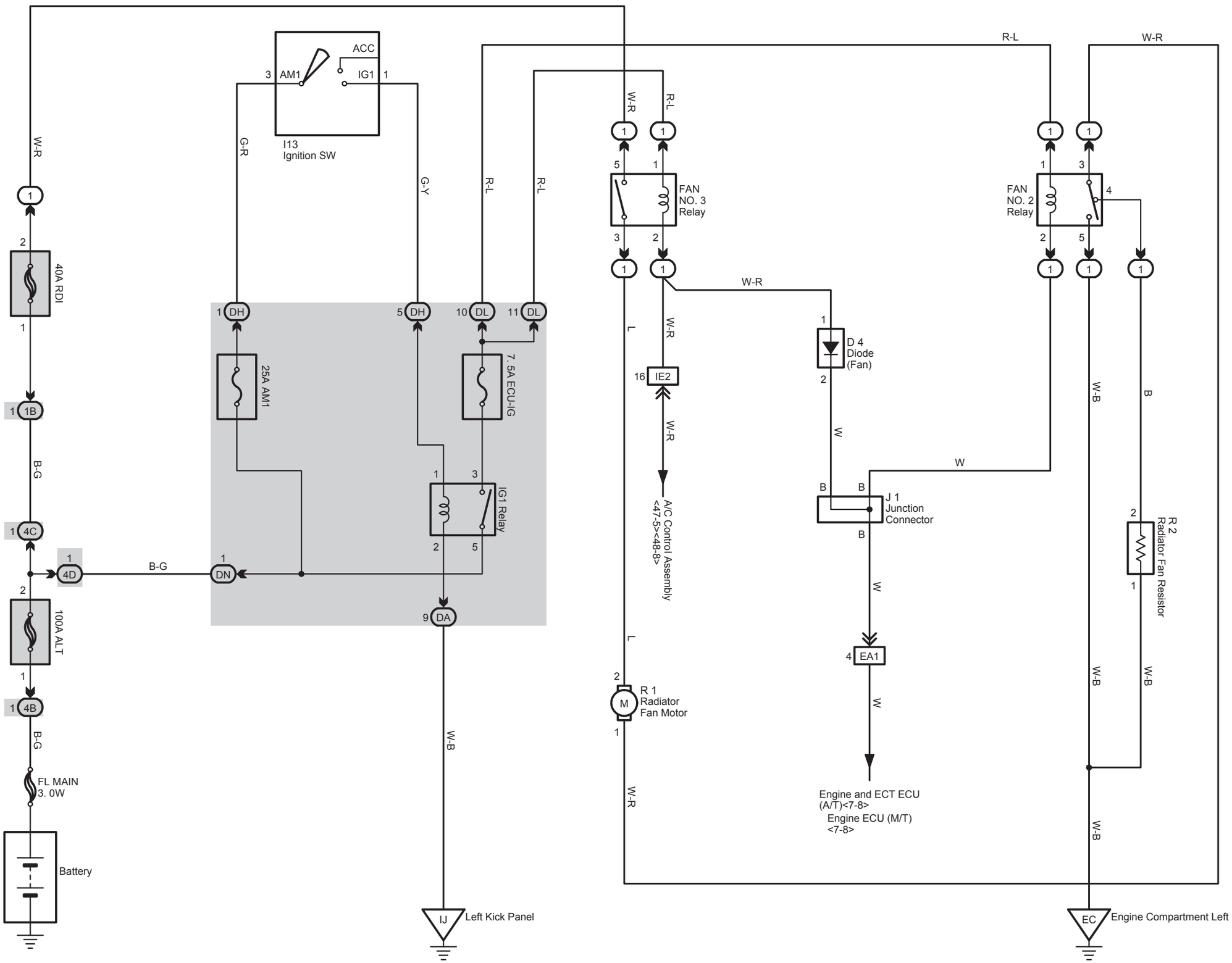
1 2 3 4



Power Source

Radiator Fan (1ZZ-FE, 3ZZ-FE)

1 2 3 4



Power Source

Radiator Fan and Condenser Fan (Diesel)

* 1 : 1CD-FTV
* 2 : 2AD-FHV, 2AD-FTV

1 2 3 4

W-R
L
G-R
G-Y
R-L
R-L
L
R-L
W-R
R-L
R-L
W-R

ACC
3 AM1
IG1 1
I13
Ignition SW

1 1C
2
30A CDS
1
1 1C
2
40A RDI
1
1 1B
W
3
3
W
1
ED1
B-L
1
DN
2
140A ALT
1
3
B
FL MAIN
3. 0W
Battery

1 DH
5 DH
10 DL
11 DL
25A AM1
7. 5A ECU-IG
1
3
IG1 Relay
2
5
9 DA
W-B
IJ
Left Kick Panel

(*1)5
(*2)3
1
FAN
NO. 1
Relay
(*1)3
(*2)5
2
5
1
FAN
NO. 3
Relay
3
2
W-R
(*2)
1
2
D 4
Diode (Fan)
W
(*2)
W
B
J 1
Junction
Connector
B
B
B
B
B
B
W
W
L
W-R
16 IE2
W-R
A/C Control Assembly
<47-5><48-8><53-5>
W-R
(*1)
1
3
D 4
Diode (Fan)
2
W
(*1)
2
W 1
Water Temp. SW
(Radiator Fan)
1
W-B
(*1)
W
(*1)
W
(*2)
6 IE2
6 EE1
W
(*1)
W
(*2)
Engine ECU (M/T)
<8-11><50-14><51-11>
2
2
1
3
FAN
NO. 2
Relay
4
2
5
2
2
2
2
2
W-B
W-B
W-B
W-B
W-R
1
A 2
A/C Condenser
Fan Motor
2
L
B
B
2
R 1
Radiator
Fan Motor
1
W-B
W-B
(*1)
Engine Compartment Right
EB
W-B
Engine Compartment Left
EC

(Cont. next page)

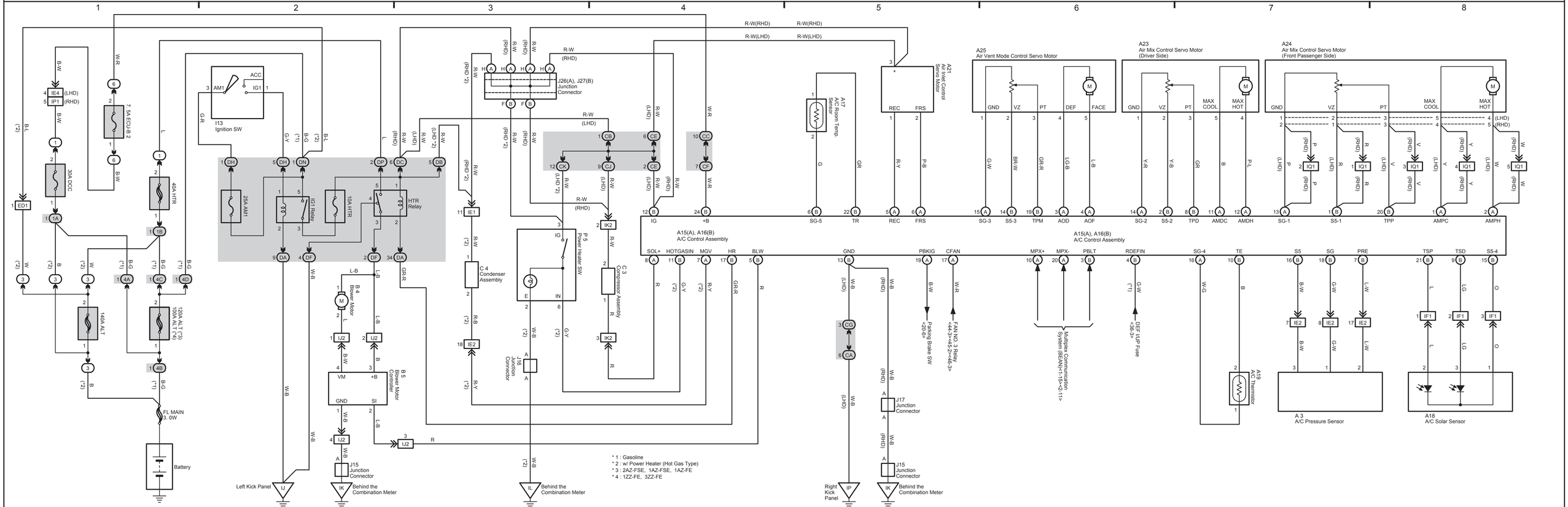
Power Source

Automatic Air Conditioner (Except 2AD-FHV, 2AD-FTV) and Power Heater (Hot Gas Type Automatic A/C)

Automatic Air Conditioner (Except 2AD-FHV, 2AD-FTV) and Power Heater (Hot Gas Type Automatic A/C)

* 1 : Gasoline

1 2 3 4 5 6 7 8



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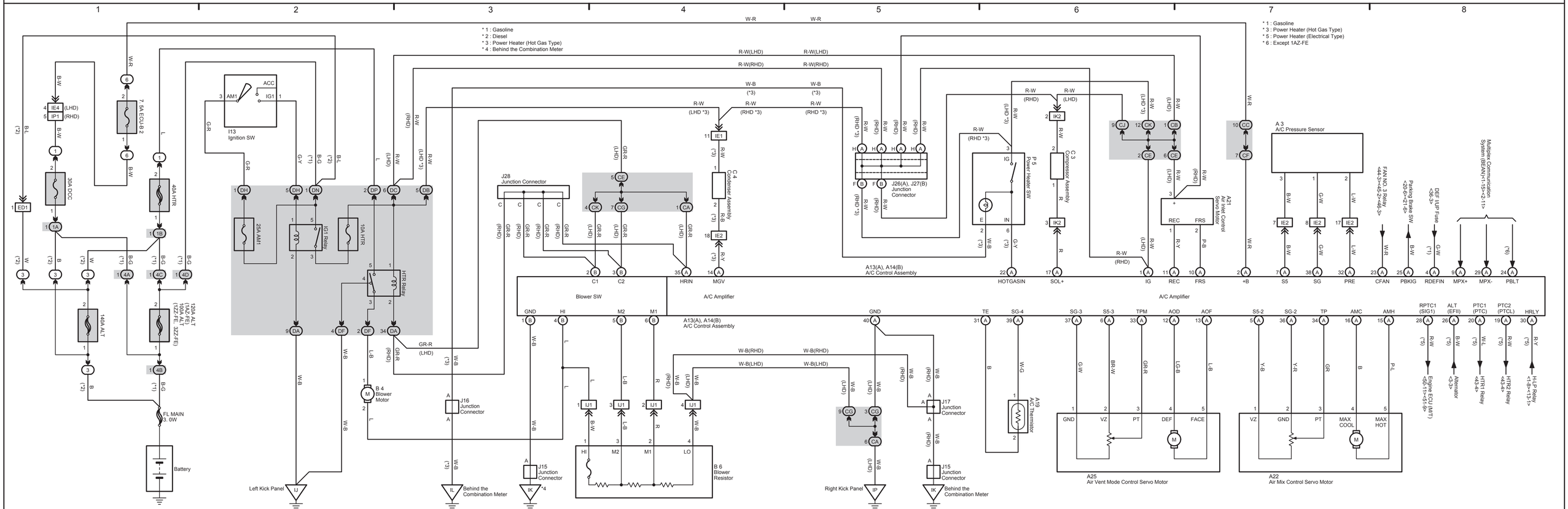
Power Source

Manual Air Conditioner and Power Heater (Hot Gas Type Manual A/C)

Manual Air Conditioner and Power Heater (Hot Gas Type Manual A/C)



Power Source

Option Connector (Navigation System Turn by Type)

1 2 3 4

* 1 : Gasoline
* 2 : Diesel
* 3 : 2AZ-FSE, 1AZ-FSE, 1AZ-FE
* 4 : 1ZZ-FE, 3ZZ-FE

B-W
4 IE4 (LHD)
5 IP1 (RHD)
B-W
1
2 30A DCC
1
1 1A
B (*2)
W (*2)
B-G (*1)
B-G (*1)
3 3 1 4A 1 4D
2 2
140A ALT
120A ALT (*3)
100A ALT (*4)
1 1
3 1 4B
B (*2)
B-G (*1)
FL MAIN 3. 0W
Battery

G-R
3 AM1
ACC 2
IG1
G
I13 Ignition SW
1 DH
25A AM1
1 DN
B-L (*2)
1 ED1
3 DH
7. 5A RAD NO. 1
4 DB
GR
F A (LHD)
F B (RHD)
J 8(A), J20(B) Junction Connector
F A (LHD)
F B (RHD)
GR
10 A

B-W
6
1
15A RAD NO. 2
2
L-Y (LHD)
6
L-Y (RHD)
E A
E B
J24(A), J25(B) Junction Connector
L-Y (RHD)
L-Y (LHD)
4 CE
10 CB
L-Y (LHD)
1 A

W
R
18 B 9 B 2 B 11 B

Z 1(A), Z 2(B)
Option Connector (Navigation ECU)

6 A G
15 A G-Y
13 A L
16 A B
5 A P
14 A LG
Multi-Display <40-3><40-4>

3 A R-Y
Neutral Start SW (A/T)<18-3>
Back-Up Light SW (M/T)<18-3>

12 A V-W
Combination Meter <42-3>

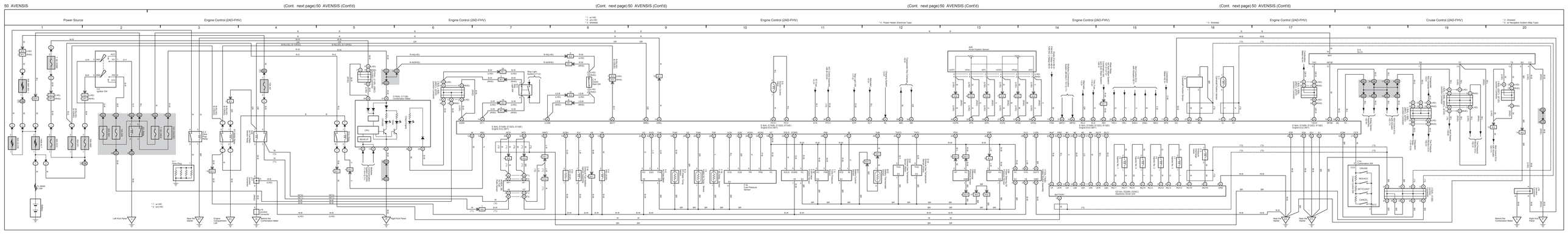
17 A W-B
10 CF
6 CA
W-B
IP Right Kick Panel

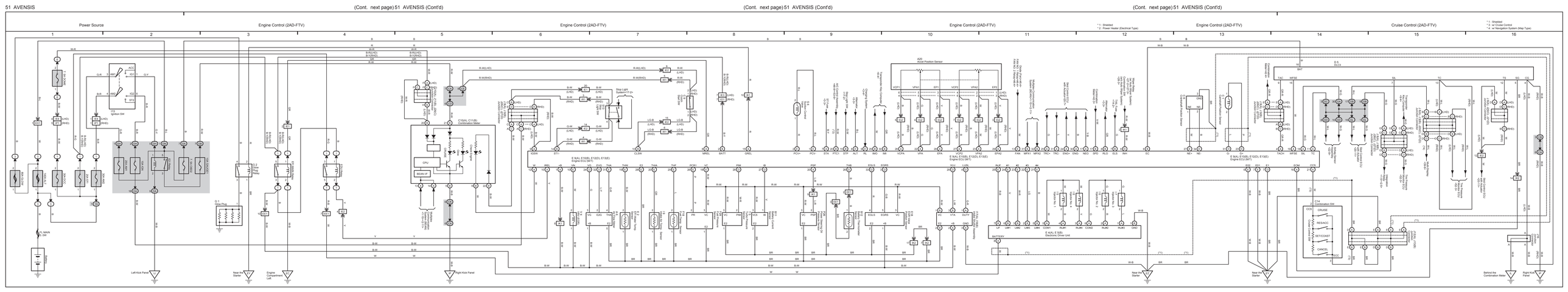
18 A LG
9 A R
Radio and Player <41-3><41-4>

2 A P (LHD) LG(RHD)
11 A V(LHD) L(RHD)
Tweeter LH (LHD) <41-4>
Tweeter RH (RHD) <41-3>

Power Source | Engine Control (2AD-FHV) | Engine Control (2AD-FHV) | Engine Control (2AD-FHV) | Engine Control (2AD-FHV) | Engine Control (2AD-FHV) | Cruise Control (2AD-FHV)

*1: w/ HID
*2: w/o HID
*3: Shielded
*4: Power Heater (Electrical Type)
*5: Shielded
*6: w/ Navigation System (Mat Type)


Ignition SW
Starter Relay
Alternator
Battery
Fusible Link Block
Main Relay
Engine Control Relay
Starter Relay
Fuel Pump Relay
Starter Control Relay
Engine Control Relay
Main Relay
Fuel Pump Relay
Starter Control Relay
Engine Control Relay
Left Kick Panel
Near the Starter
Engine Compartment Left
Behind the Combination Meter
Right Kick Panel
CPU
Memory
Main Relay
Starter Control Relay
Fuel Pump Relay
Engine Control Relay
Engine Control Module
Engine Control (ECM)
Engine Control (ECM)
Engine Control (ECM)


Power Source
Engine Control (2AD-FTV)
Engine Control (2AD-FTV)
Engine Control (2AD-FTV)
Engine Control (2AD-FTV)
Cruise Control (2AD-FTV)
* 1 : Shielded
* 2 : Power Heater (Electrical Type)
* 1 : Shielded
* 3 : w/ Cruise Control
* 4 : w/ Navigation System (Map Type)
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
A20 Accel Position Sensor
C15(A), C11(B) Combination Meter
E 9(A), E10(B), E12(D), E13(E) Engine ECU (M/T)
E 9(A), E10(B), E12(D), E13(E) Engine ECU (A/T)
E 9(A), E10(B), E12(D), E13(E) Engine ECU (M/T)
E 4(A), E 5(B) Electronic Driver Unit
C14 Combination SW
Left Kick Panel
Near the Starter
Engine Compartment Left
Right Kick Panel
Near the Starter
Near the Starter
Behind the Combination Meter
Right Kick Panel

Power Source

Tire Pressure Warning System

1 2 3 4

* 1 : Gasoline
* 2 : Diesel
* 3 : w/ Tire Pressure Warning System
* 4 : w/o Tire Pressure Warning System
* 5 : 2AZ-FSE, 1AZ-FSE
* 6 : 1ZZ-FE, 3ZZ-FE

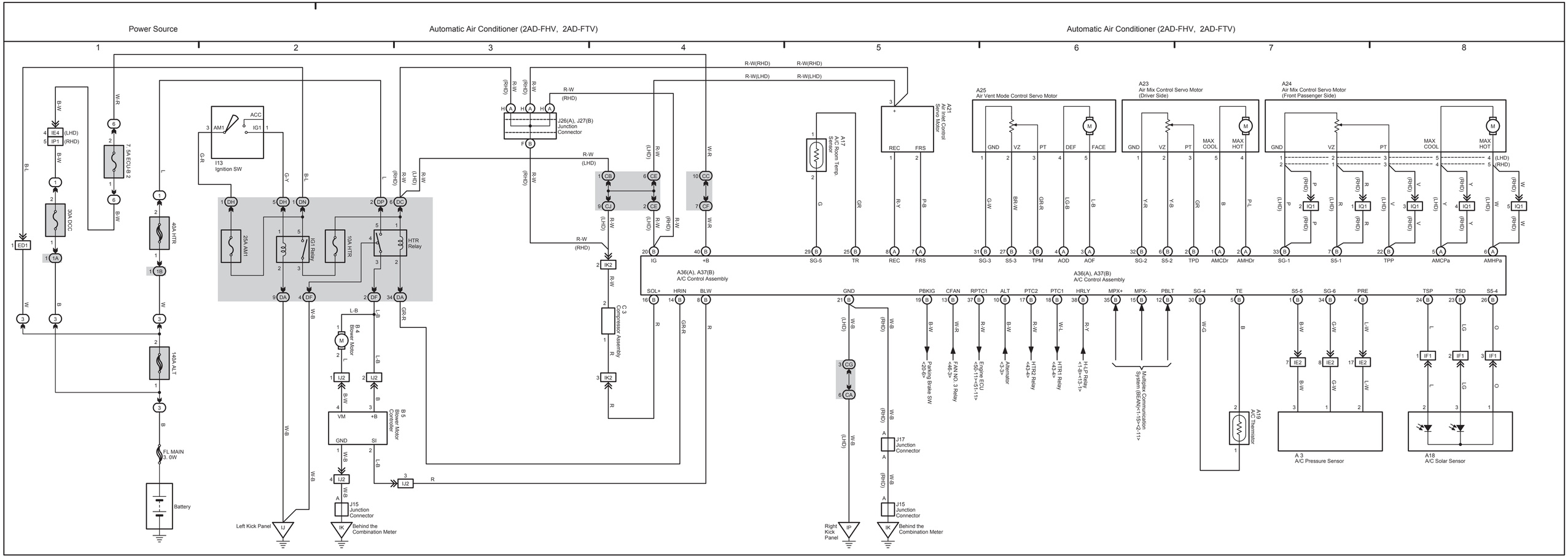
B-L (*2)
1 ED1
W (*2)
3
2
140A ALT
1
3
B (*2)
B-G (*1)
1 4D
2
120A ALT (*5)
100A ALT (*6)
1
1 4B
B-G (*1)
FL MAIN
3. 0W
Battery
G-R
3 AM1
AM2
ACC
IG1 1
IG2 6 B-R
ST2
I13
Ignition SW
G-Y
G-R
B-G(*1)
B-L(*2)
5 DH
1 DH
1 DN
25A
AM1
1 5
IG1
Relay
2 3
7. 5A
ECU-IG
9 DA
18 DB
W-B
R-W
G A (LHD)
C C (RHD)
G B (LHD)
C D (RHD)
J10(A), J11(B), J20(C), J21(D)
Junction Connector
R-W
Left Kick Panel
IJ
DLC3
<5-19><7-14><8-14>
<50-19><51-15>
W-G
4
SIL
DLC3
<5-19><7-15><8-15>
<50-19><51-15><51-16>
W-L
12
TC
Combination Meter
<42-4>
V-W
3
SPD
T20
Tire Pressure Monitor ECU
IG
2
R-W
RDA
7
GR
10 ID1
GR
5 BB2
GR
1
RDA
RF5V
8
G-W
20 ID1
G-W
1 BB2
G-W
5
+5V
GND2
16
P
5 ID1
P
4 BB2
P
4
GND
T22
Tire Pressure
Monitor Receiver
CAL SW
10
L
2
T21
Tire Pressure
Warning SW
1
W-B
GND
11
W-B
(*3)
W-B
(*4)
A A A
J17
Junction
Connector
A
W-B
(RHD)
A
J15
Junction
Connector
Behind the
Combination Meter
W-B
(LHD)
Right Kick Panel
IP
IK
IND
6
B
(*3)
B
(*4)
11 A 6 A
11 B 6 B
S20(A), S21(B)
Short Connector
G-W
(*4)
W-B
(RHD)
18 DA
10A IGN
2 DH
B-R
B-W
C A (LHD)
A B (RHD)
C A (LHD)
A B (RHD)
J8(A), J26(B)
Junction
Connector
B-W
22 B
C10(A), C11(B)
Combination
Meter
Tire Pressure
Warning Light
18 A
17 A
W-B
(LHD)
A
J16
Junction
Connector
A
W-B
(LHD)
Behind the
Combination
Meter
IL

(Cont. next page) 53 AVENSIS

Power Source

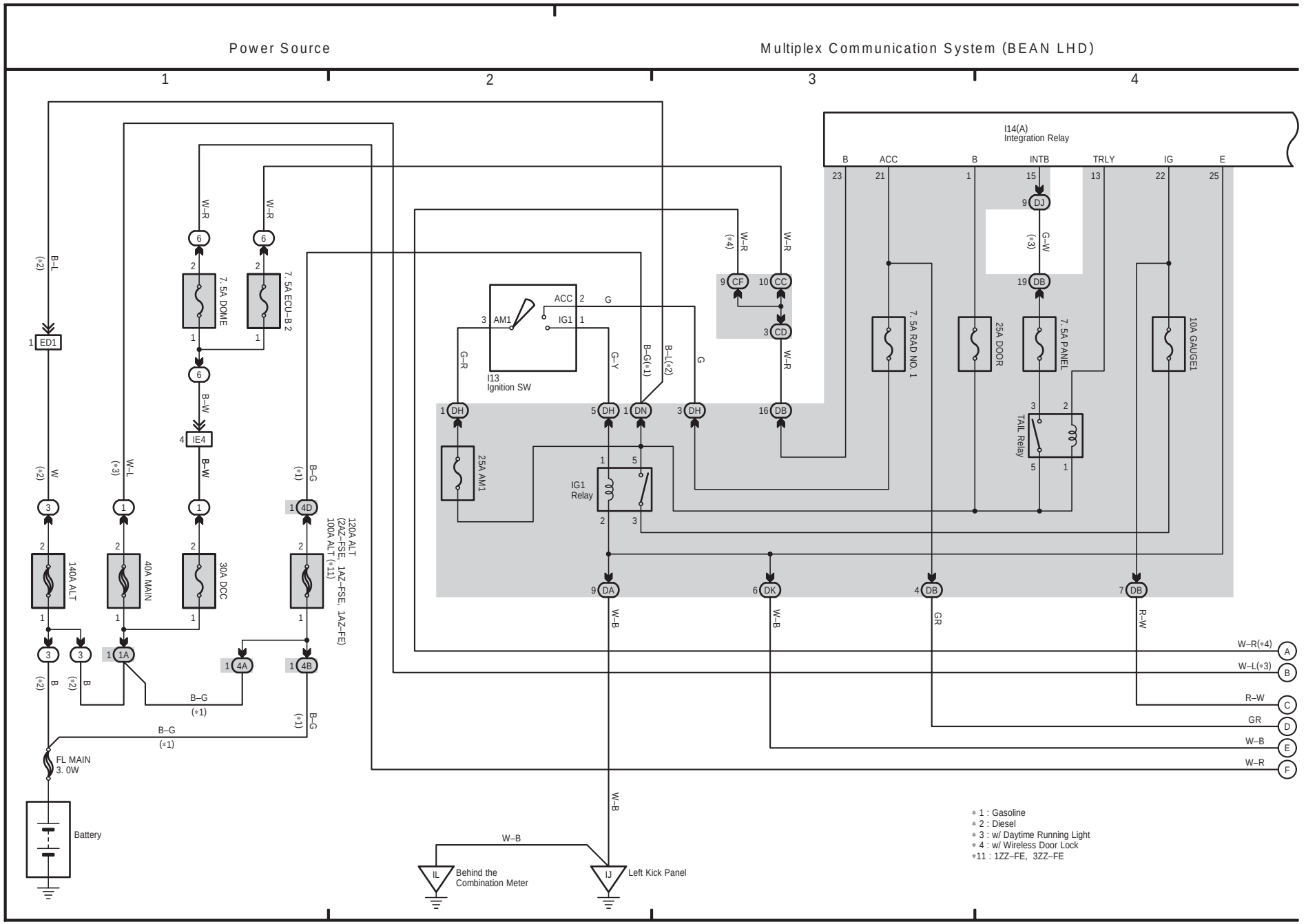
Automatic Air Conditioner (2AD-FHV, 2AD-FTV)

Automatic Air Conditioner (2AD-FHV, 2AD-FTV)



1 AVENSIS

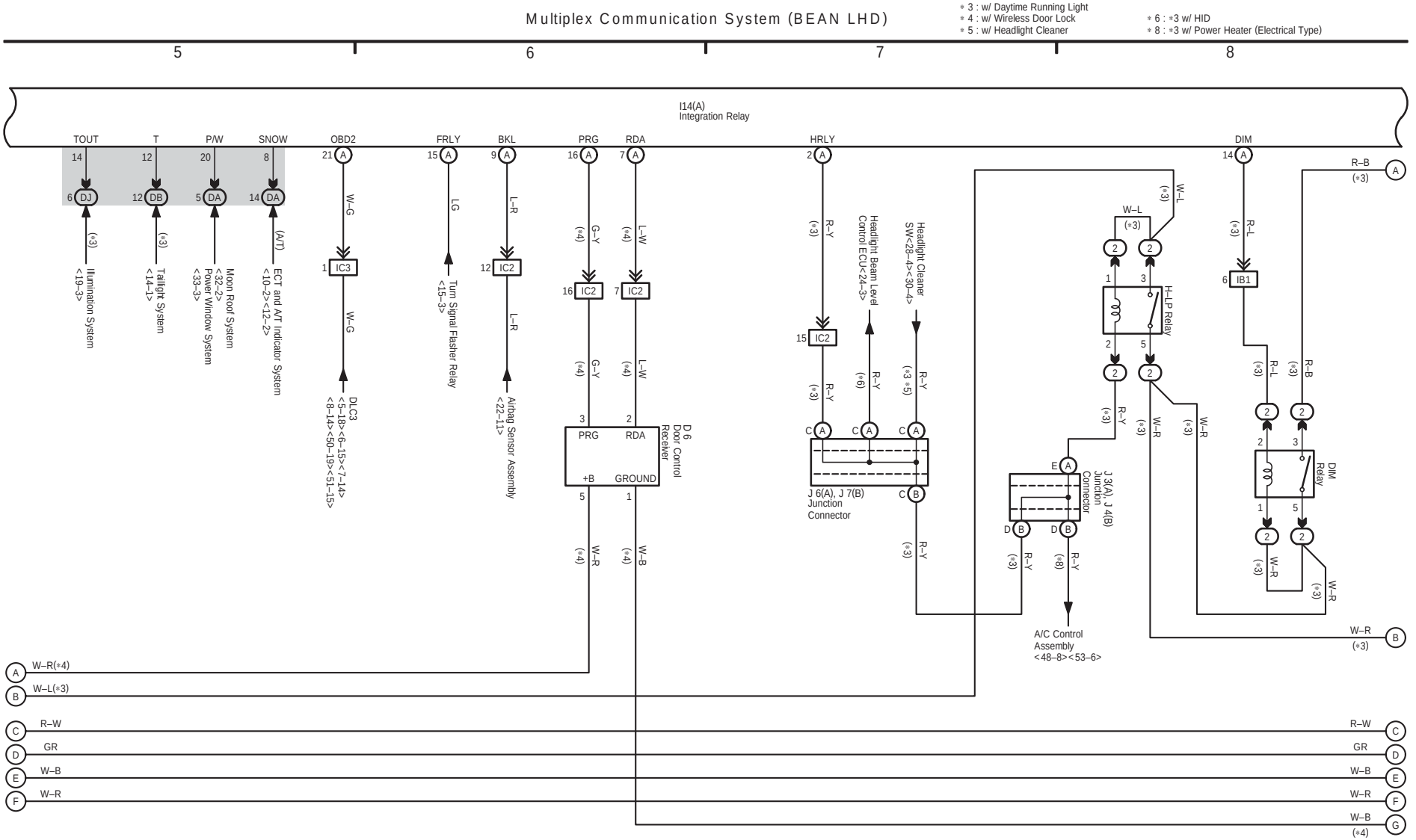
(Cont. next page)



(Cont. next page)

Multiplex Communication System (BEAN LHD)

∗ 3 : w/ Daytime Running Light
∗ 4 : w/ Wireless Door Lock
∗ 5 : w/ Headlight Cleaner
∗ 6 : ∗3 w/ HID
∗ 8 : ∗3 w/ Power Heater (Electrical Type)

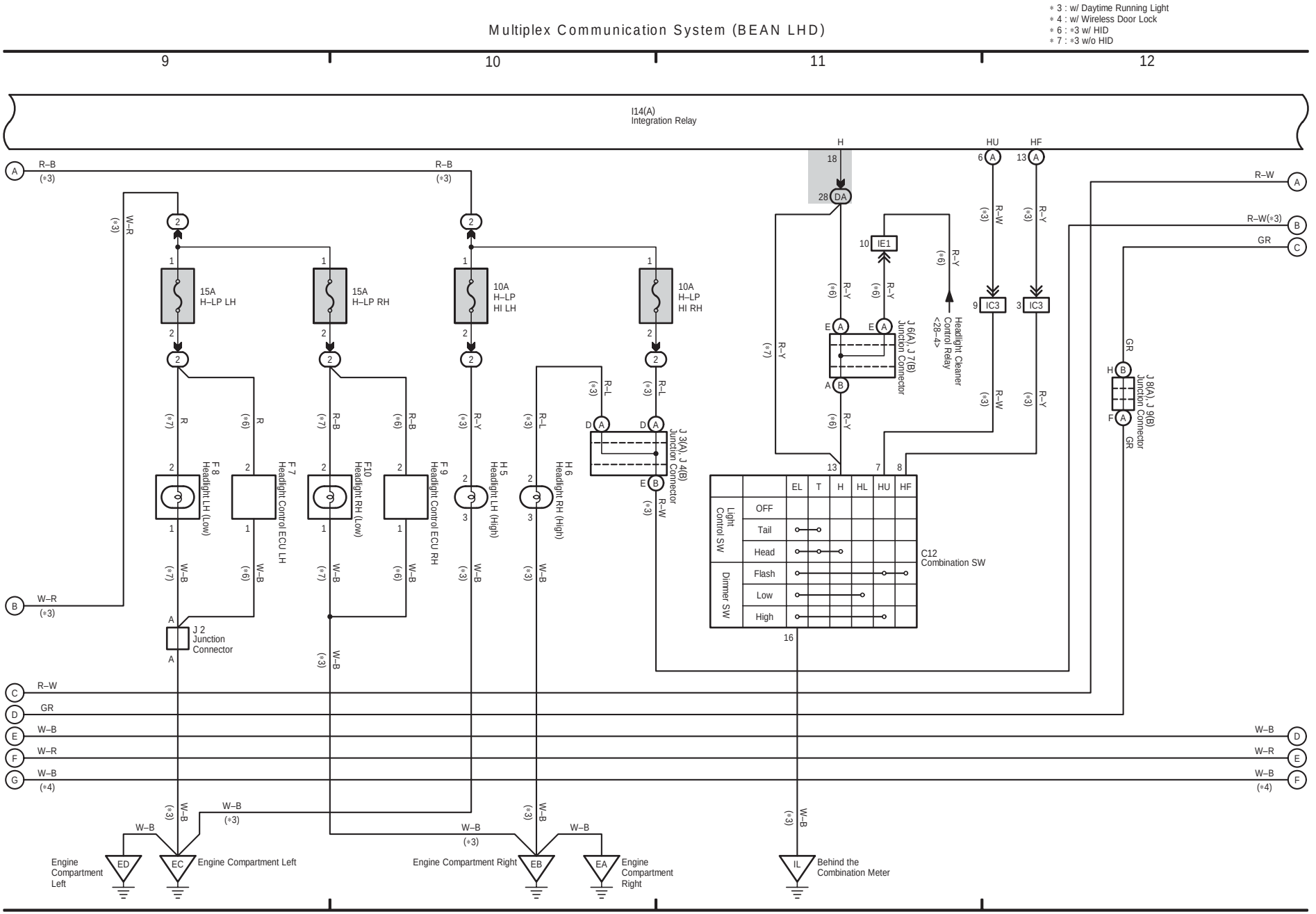


1 AVENSIS (Cont' d)

(Cont. next page)

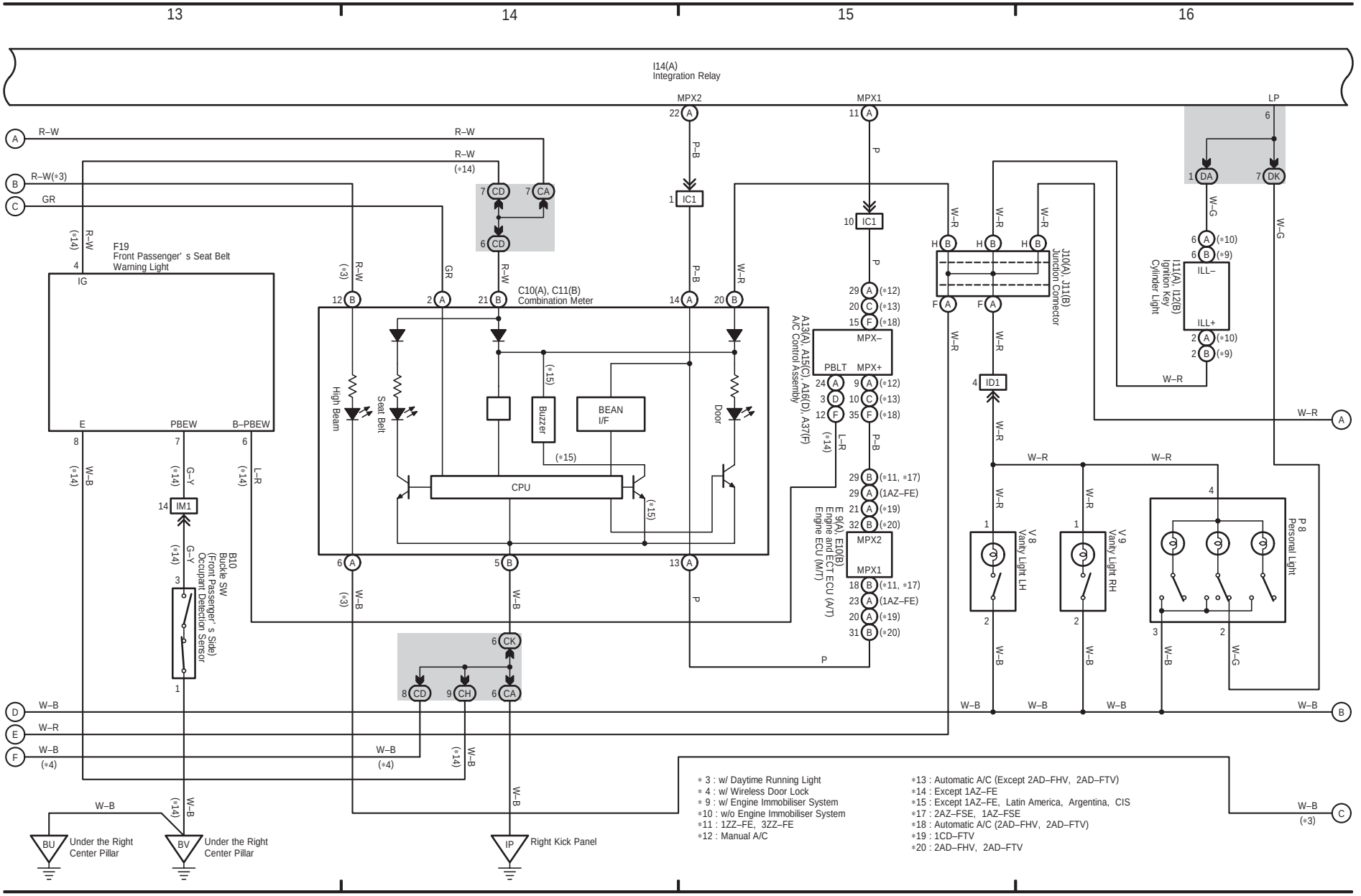
Multiplex Communication System (BEAN LHD)

* 3 : w/ Daytime Running Light
* 4 : w/ Wireless Door Lock
* 6 : *3 w/ HID
* 7 : *3 w/o HID



(Cont. next page)

Multiplex Communication System (BEAN LHD)



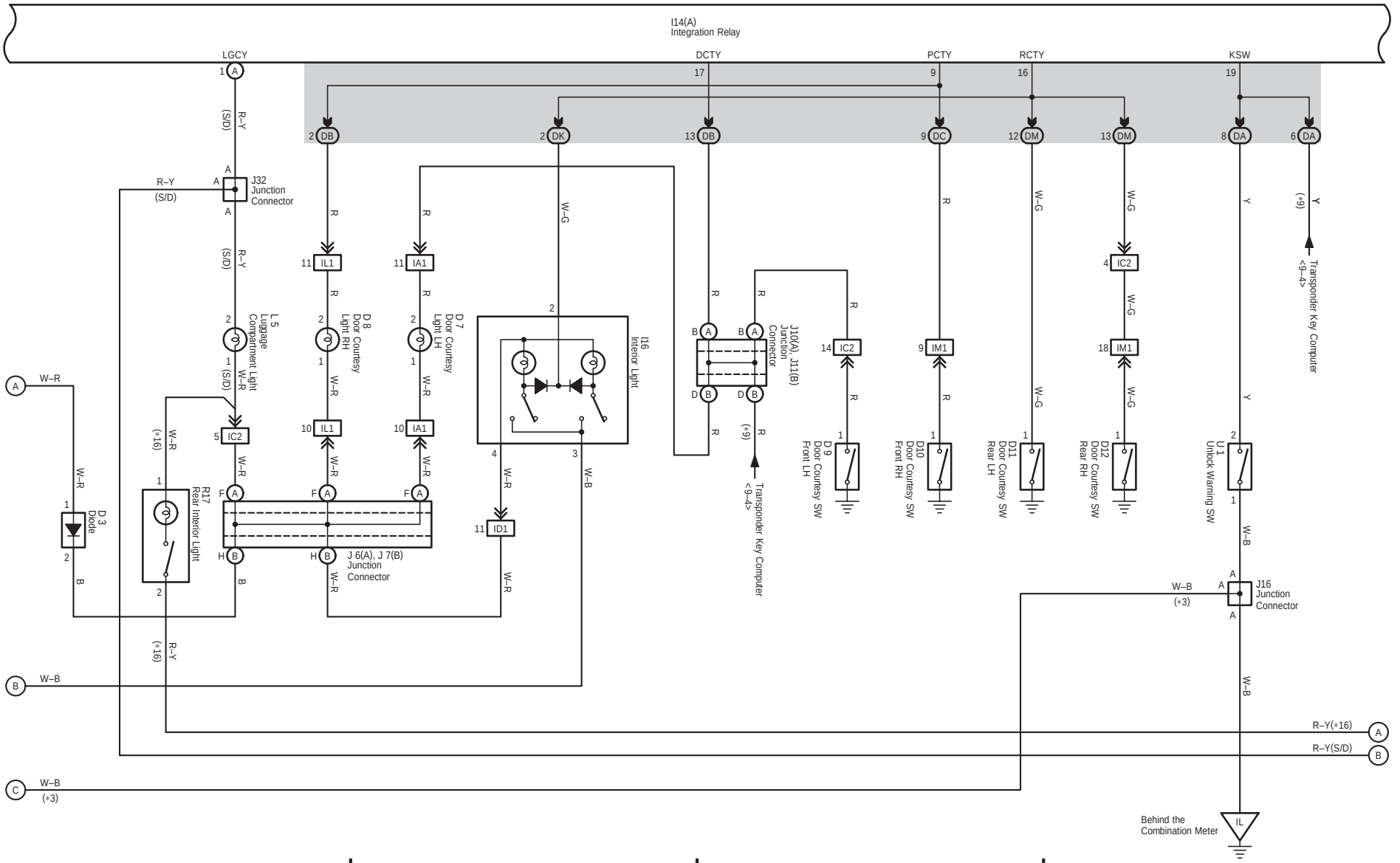
1 AVENSIS (Cont' d)

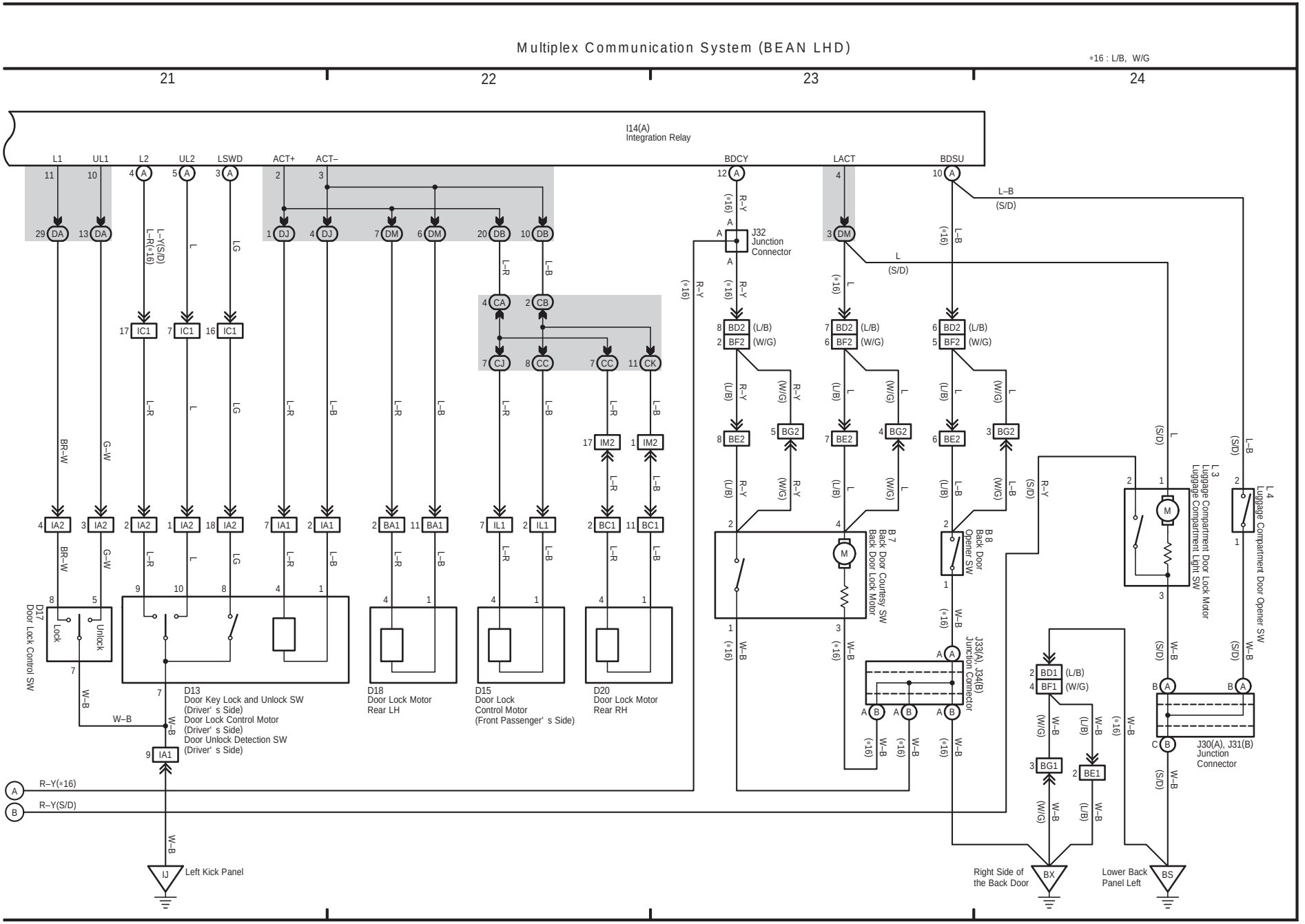
(Cont. next page)

Multiplex Communication System (BEAN LHD)

∗ 3 : w/ Daytime Running Light
∗ 9 : w/ Engine Immobiliser System
∗16 : L/B, W/G

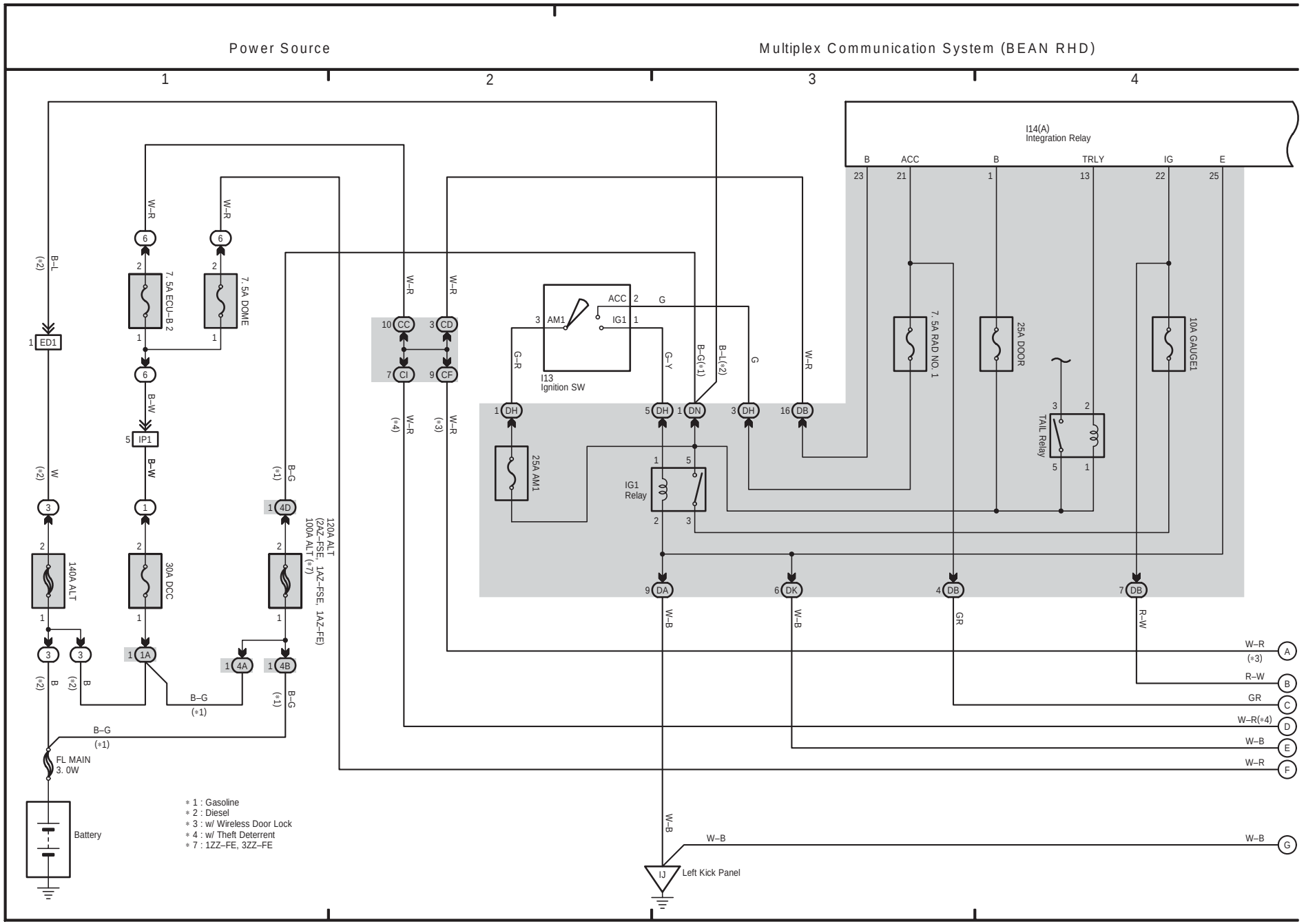
17 18 19 20




Multiplex Communication System (BEAN LHD)
*16 : L/B, W/G
21
22
23
24
I14(A)
Integration Relay
L1
UL1
L2
UL2
LSWD
ACT+
ACT–
BDCY
LACT
BDSU
J32
Junction
Connector
D17
Door Lock Control SW
Lock
Unlock
D13
Door Key Lock and Unlock SW
(Driver' s Side)
Door Lock Control Motor
(Driver' s Side)
Door Unlock Detection SW
(Driver' s Side)
D18
Door Lock Motor
Rear LH
D15
Door Lock
Control Motor
(Front Passenger' s Side)
D20
Door Lock Motor
Rear RH
B7
Back Door Courtesy SW
Back Door Lock Motor
B8
Back Door
Opener SW
J33(A), J34(B)
Junction Connector
L3
Luggage Compartment Door Lock Motor
Luggage Compartment Light SW
L4
Luggage Compartment Door Opener SW
J30(A), J31(B)
Junction
Connector
IJ
Left Kick Panel
BX
Right Side of
the Back Door
BS
Lower Back
Panel Left

2 AVENSIS

(Cont. next page)



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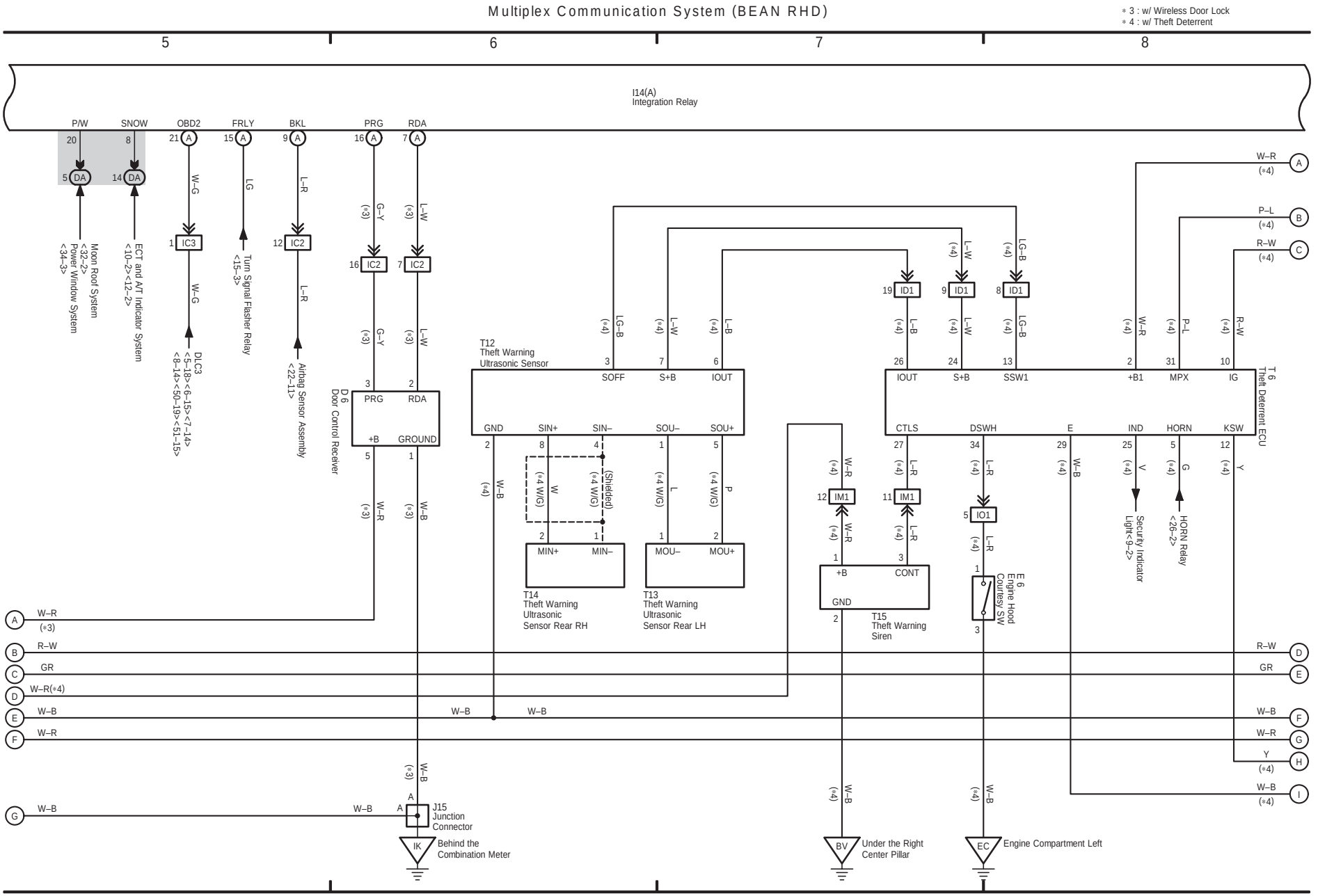
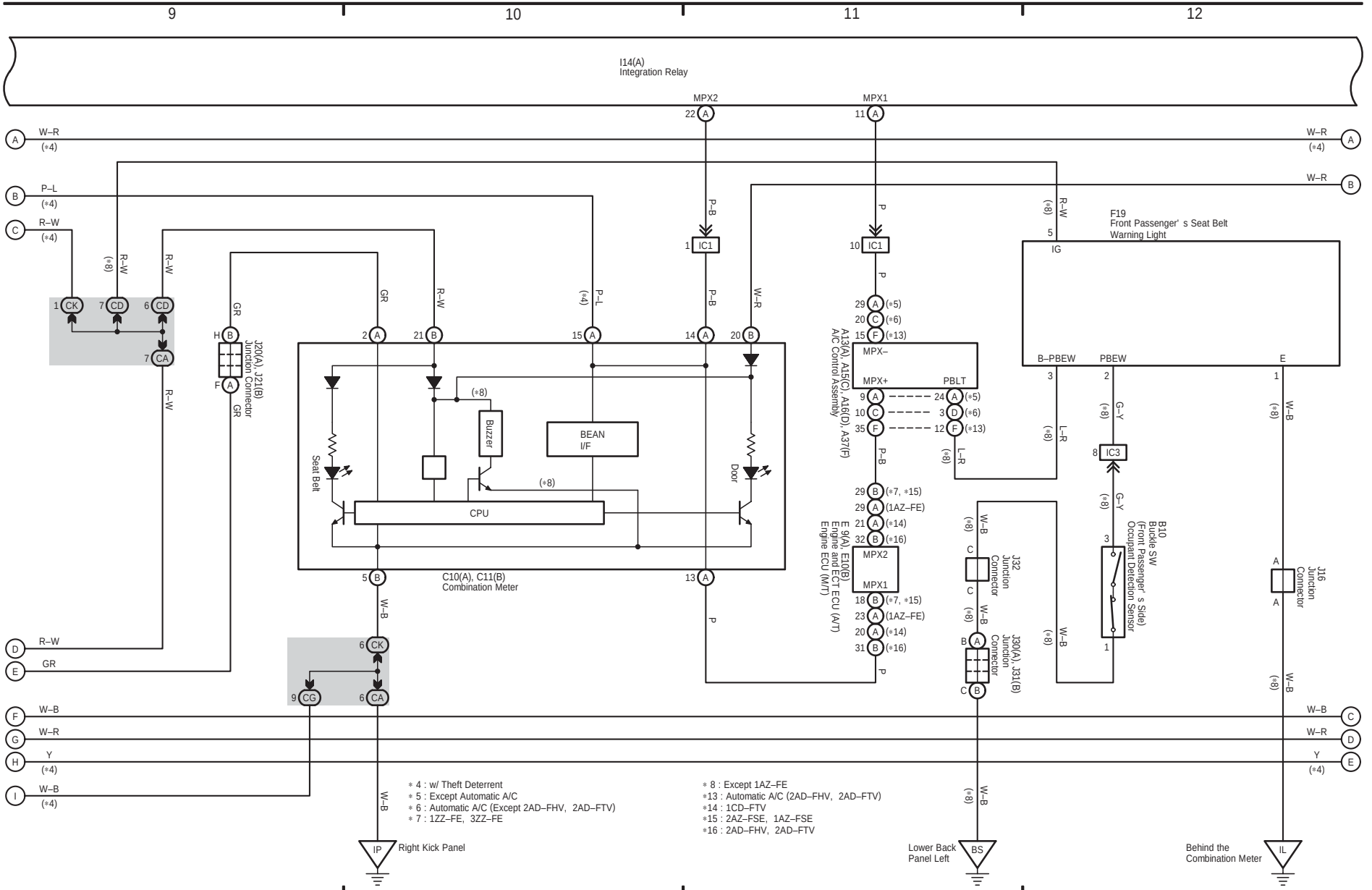


2 AVENSIS (Cont' d)

(Cont. next page)

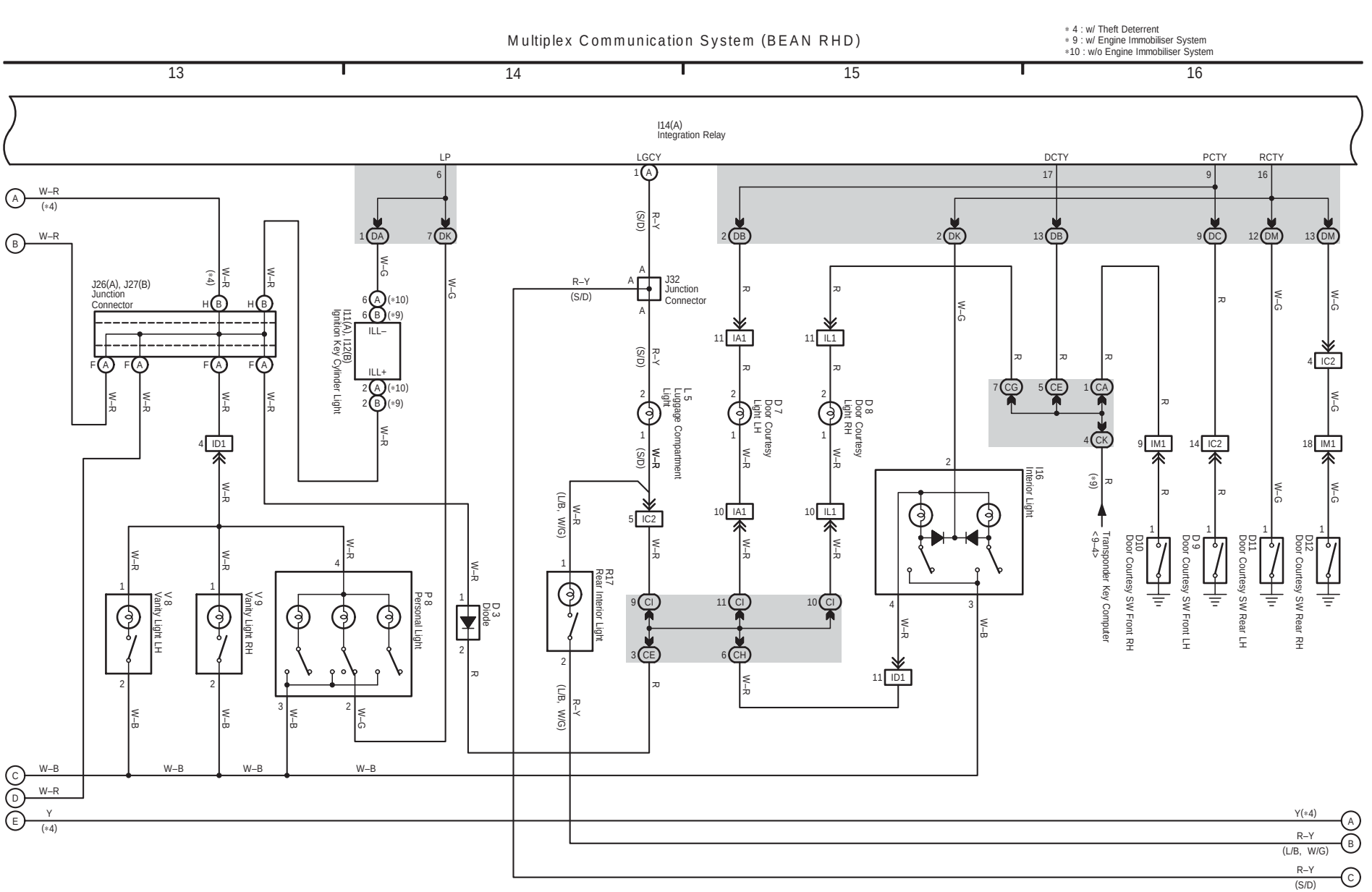
Multiplex Communication System (BEAN RHD)



(Cont. next page)

Multiplex Communication System (BEAN RHD)

∗ 4 : w/ Theft Deterrent
∗ 9 : w/ Engine Immobiliser System
∗10 : w/o Engine Immobiliser System

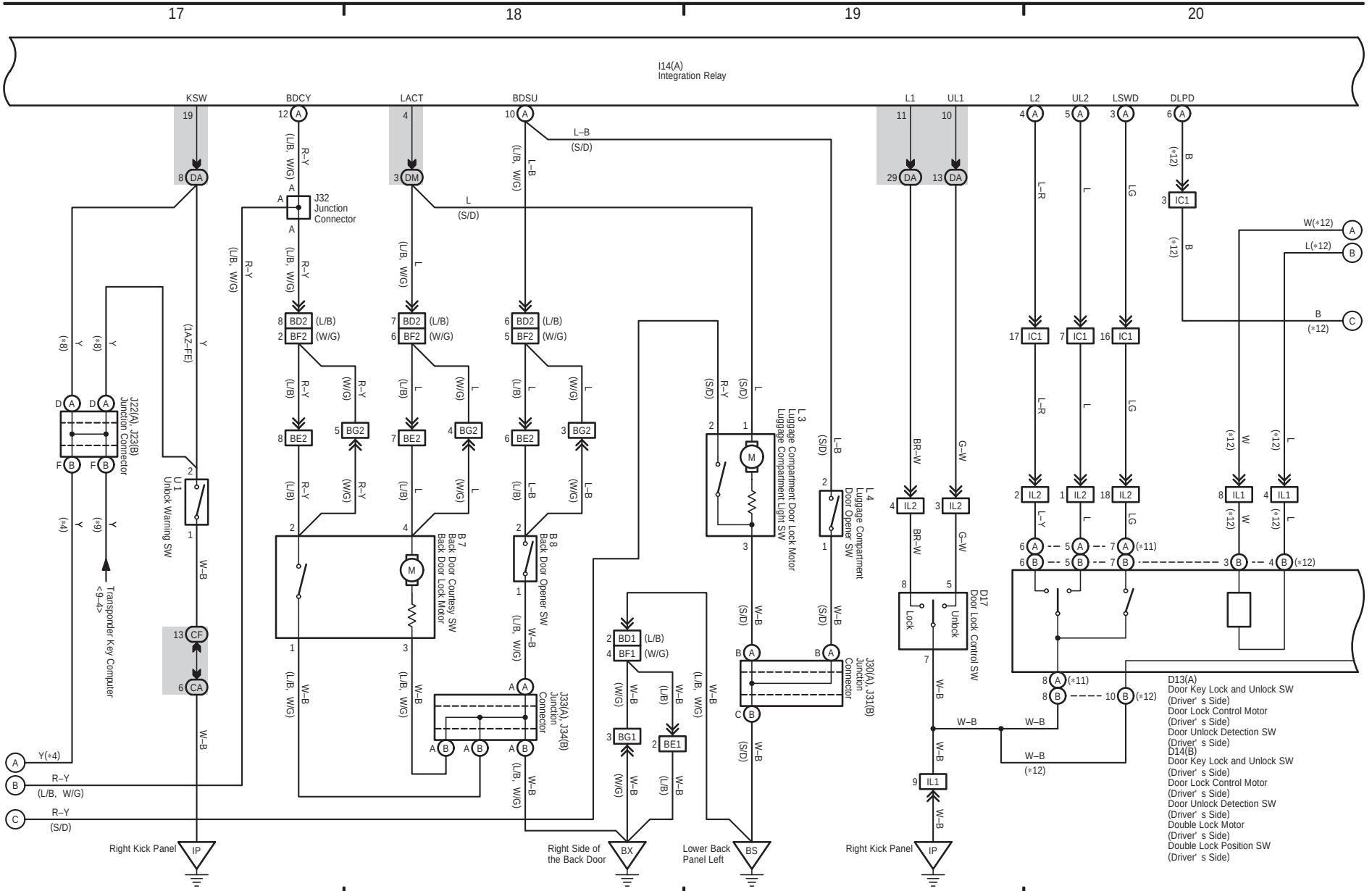


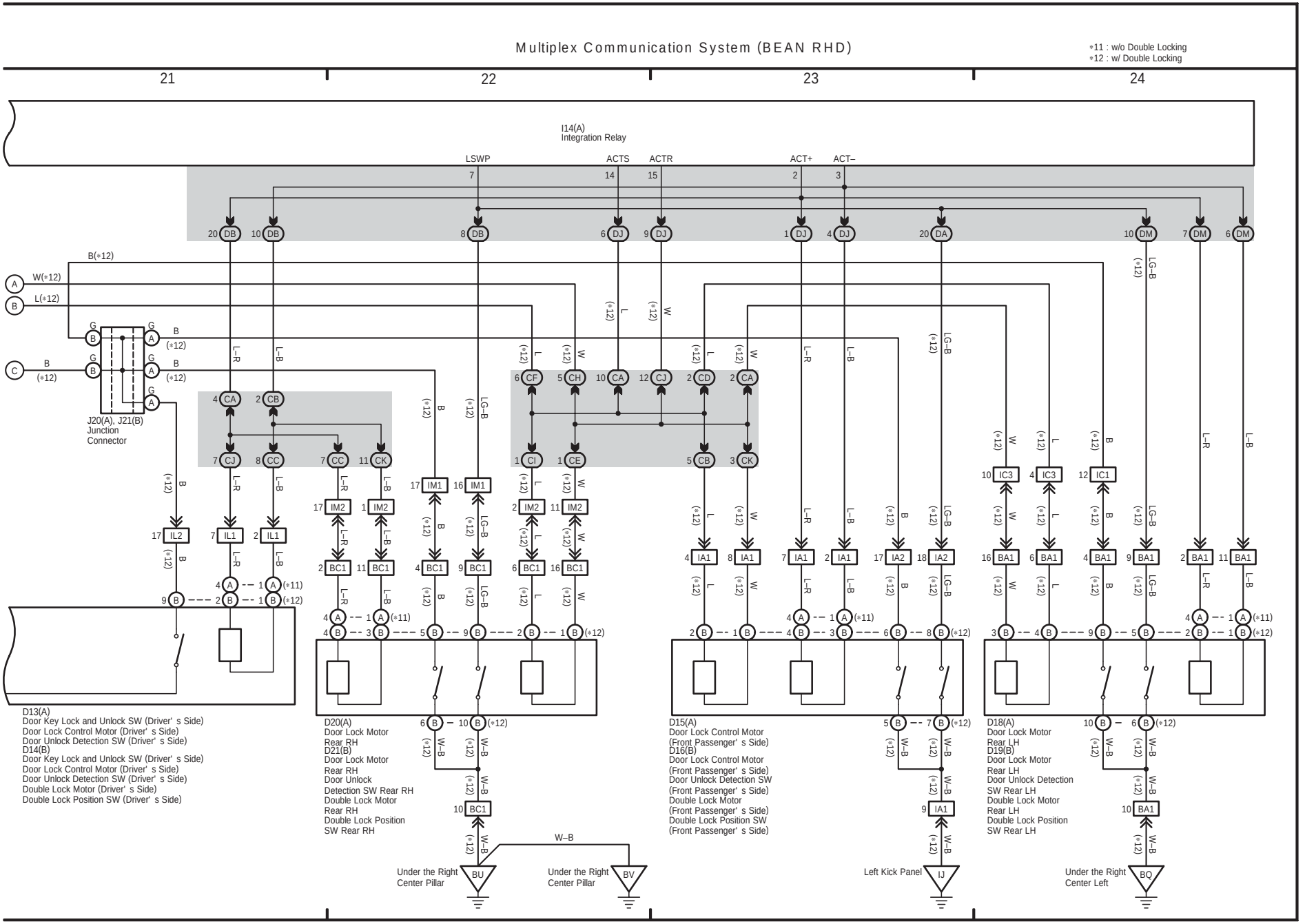
2 AVENSIS (Cont' d)

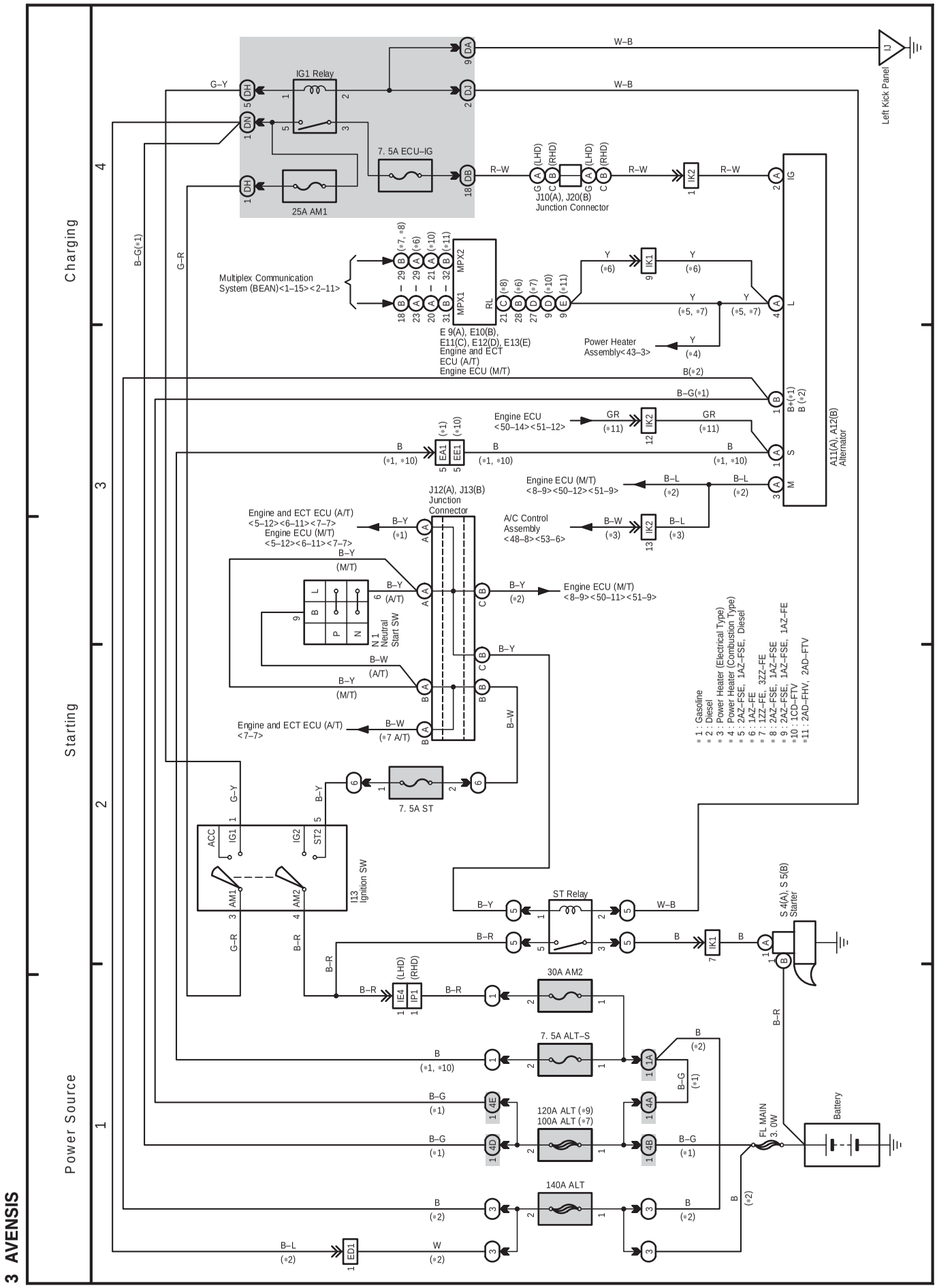
(Cont. next page)

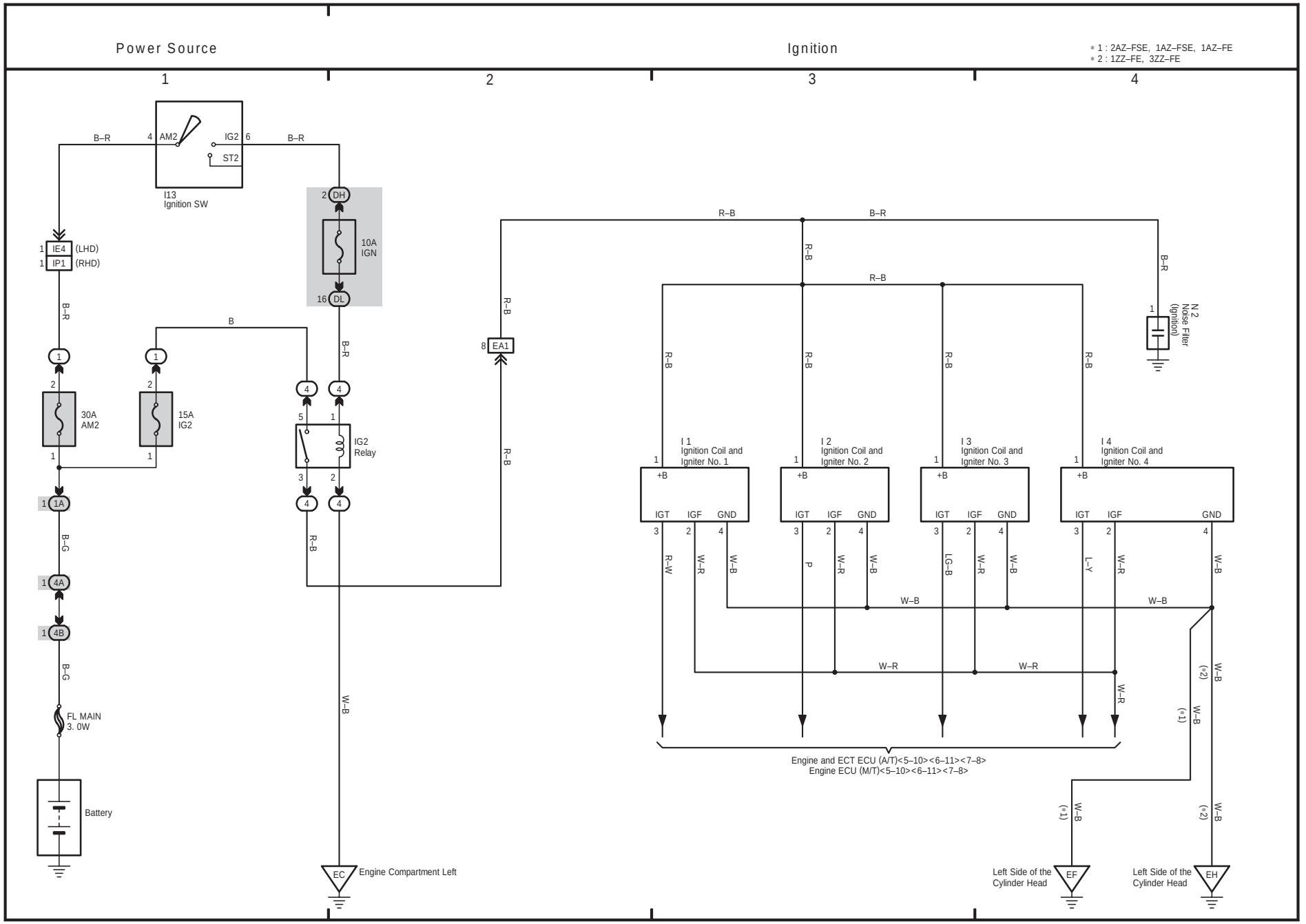
Multiplex Communication System (BEAN RHD)

* 4 : w/ Theft Deterrent
* 8 : Except 1AZ–FE
* 9 : w/ Engine Immobiliser System
*11 : w/o Double Locking
*12 : w/ Double Locking

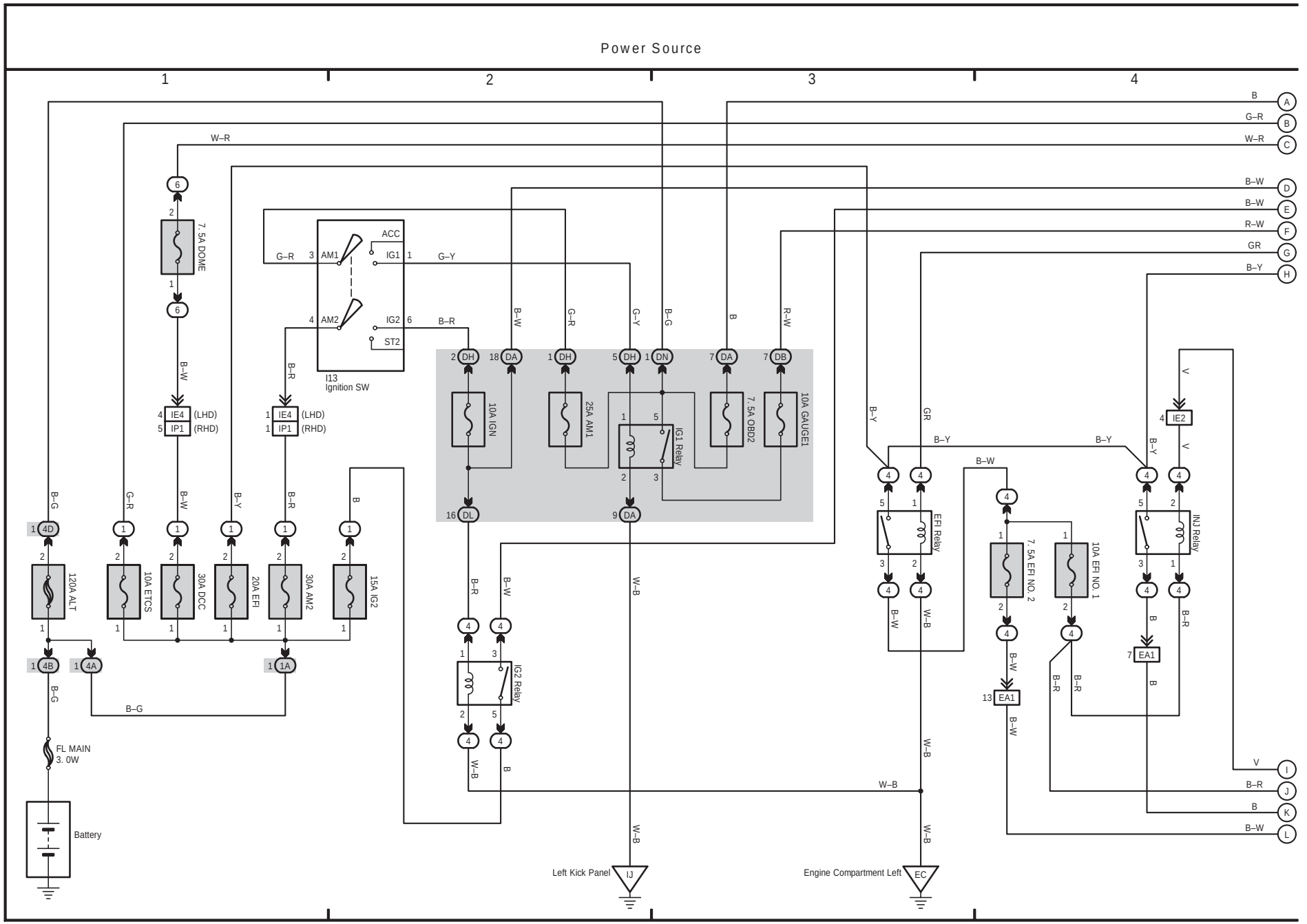



Multiplex Communication System (BEAN RHD)
*11 : w/o Double Locking
*12 : w/ Double Locking
21
22
23
24
I14(A)
Integration Relay
LSWP
ACTS
ACTR
ACT+
ACT–
J20(A), J21(B)
Junction
Connector
D13(A)
Door Key Lock and Unlock SW (Driver' s Side)
Door Lock Control Motor (Driver' s Side)
Door Unlock Detection SW (Driver' s Side)
D14(B)
Door Key Lock and Unlock SW (Driver' s Side)
Door Lock Control Motor (Driver' s Side)
Door Unlock Detection SW (Driver' s Side)
Double Lock Motor (Driver' s Side)
Double Lock Position SW (Driver' s Side)
D20(A)
Door Lock Motor
Rear RH
D21(B)
Door Lock Motor
Rear RH
Door Unlock
Detection SW Rear RH
Double Lock Motor
Rear RH
Double Lock Position
SW Rear RH
D15(A)
Door Lock Control Motor
(Front Passenger' s Side)
D16(B)
Door Lock Control Motor
(Front Passenger' s Side)
Door Unlock Detection SW
(Front Passenger' s Side)
Double Lock Motor
(Front Passenger' s Side)
Double Lock Position SW
(Front Passenger' s Side)
D18(A)
Door Lock Motor
Rear LH
D19(B)
Door Lock Motor
Rear LH
Door Unlock Detection
SW Rear LH
Double Lock Motor
Rear LH
Double Lock Position
SW Rear LH
Under the Right
Center Pillar
Under the Right
Center Pillar
Left Kick Panel
Under the Right
Center Left


Charging
Starting
Power Source
IG1 Relay
7. 5A ECU–IG
25A AM1
J10(A), J20(B)
Junction Connector
Left Kick Panel
Multiplex Communication
System (BEAN)<1–15><2–11>
E 9(A), E10(B),
E11(C), E12(D), E13(E)
Engine and ECT
ECU (A/T)
Engine ECU (M/T)
Power Heater
Assembly<43–3>
Engine ECU
<50–14><51–12>
A11(A), A12(B)
Alternator
J12(A), J13(B)
Junction
Connector
Engine and ECT ECU (A/T)
<5–12><6–11><7–7>
Engine ECU (M/T)
<5–12><6–11><7–7>
A/C Control
Assembly
<48–8><53–6>
Engine ECU (M/T)
<8–9><50–12><51–9>
Engine ECU (M/T)
<8–9><50–11><51–9>
N 1
Neutral
Start SW
Engine and ECT ECU (A/T)
<7–7>
7. 5A ST
I13
Ignition SW
ST Relay
S 4(A), S 5(B)
Starter
30A AM2
7. 5A ALT–S
120A ALT (*9)
100A ALT (*7)
140A ALT
FL MAIN
3. 0W
Battery
*1 : Gasoline
*2 : Diesel
*3 : Power Heater (Electrical Type)
*4 : Power Heater (Combustion Type)
*5 : 2AZ–FSE, 1AZ–FSE, Diesel
*6 : 1AZ–FE
*7 : 1ZZ–FE, 3ZZ–FE
*8 : 2AZ–FSE, 1AZ–FSE
*9 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
*10 : 1CD–FTV
*11 : 2AD–FHV, 2AD–FTV


Power Source
Ignition
* 1 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 2 : 1ZZ–FE, 3ZZ–FE
1
2
3
4
I13
Ignition SW
AM2
IG2
ST2
B–R
IE4 (LHD)
IP1 (RHD)
2 DH
16 DL
10A
IGN
30A
AM2
15A
IG2
IG2
Relay
B
B–R
R–B
W–B
1A
4A
4B
B–G
FL MAIN
3. 0W
Battery
EC
Engine Compartment Left
8 EA1
I 1
Ignition Coil and
Igniter No. 1
I 2
Ignition Coil and
Igniter No. 2
I 3
Ignition Coil and
Igniter No. 3
I 4
Ignition Coil and
Igniter No. 4
+B
IGT
IGF
GND
R–W
W–R
W–B
P
LG–B
L–Y
N 2
Noise Filter
(Ignition)
Engine and ECT ECU (A/T)<5–10><6–11><7–8>
Engine ECU (M/T)<5–10><6–11><7–8>
(*1)
(*2)
Left Side of the
Cylinder Head
EF
EH

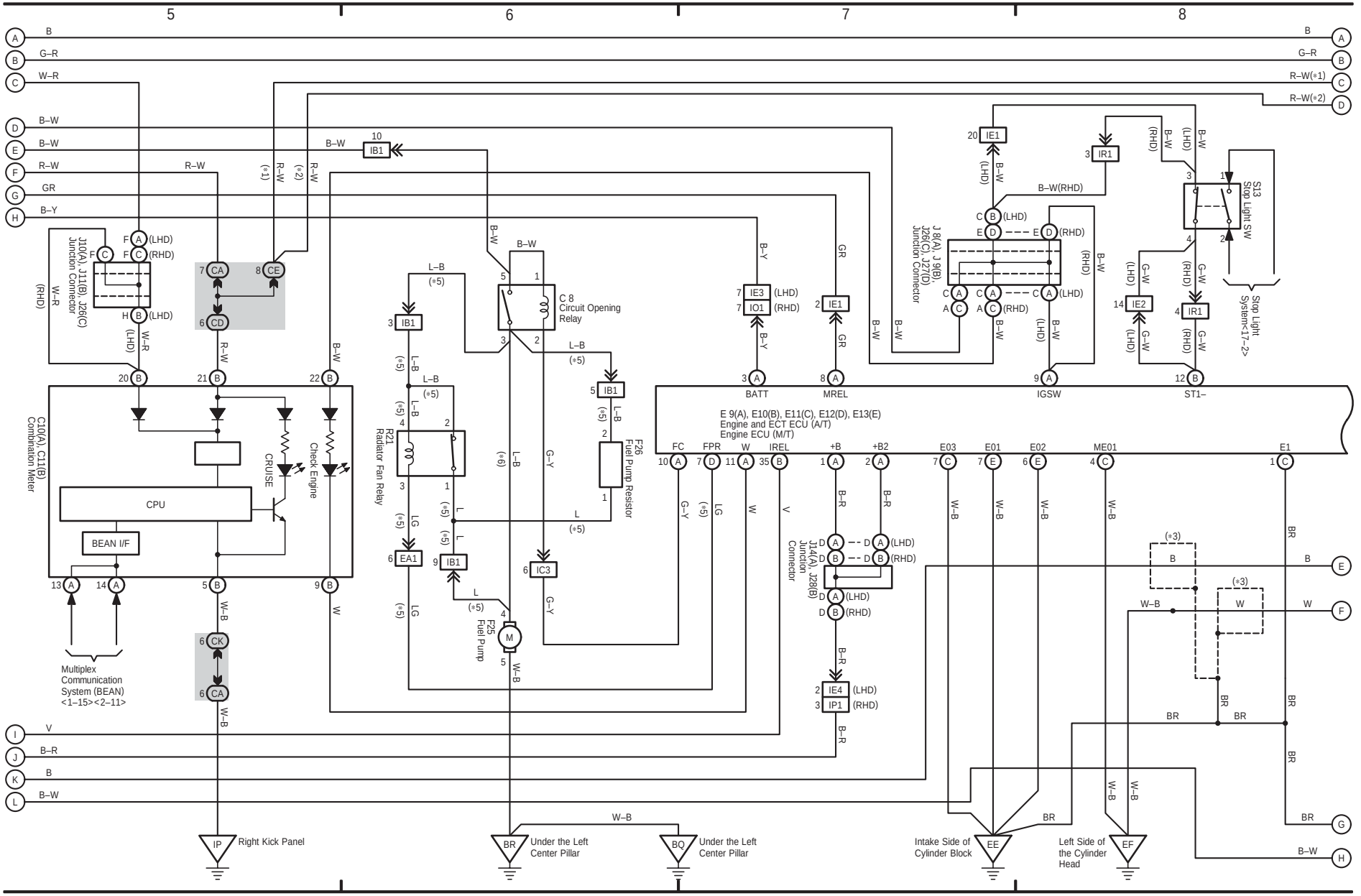
(Cont. next page)



(Cont. next page)

Engine Control (2AZ–FSE, 1AZ–FSE)

＊1 : LHD M/T
＊2 : RHD M/T
＊3 : Shielded
＊5 : 2AZ–FSE
＊6 : 1AZ–FSE



5 AVENSIS (Cont' d)

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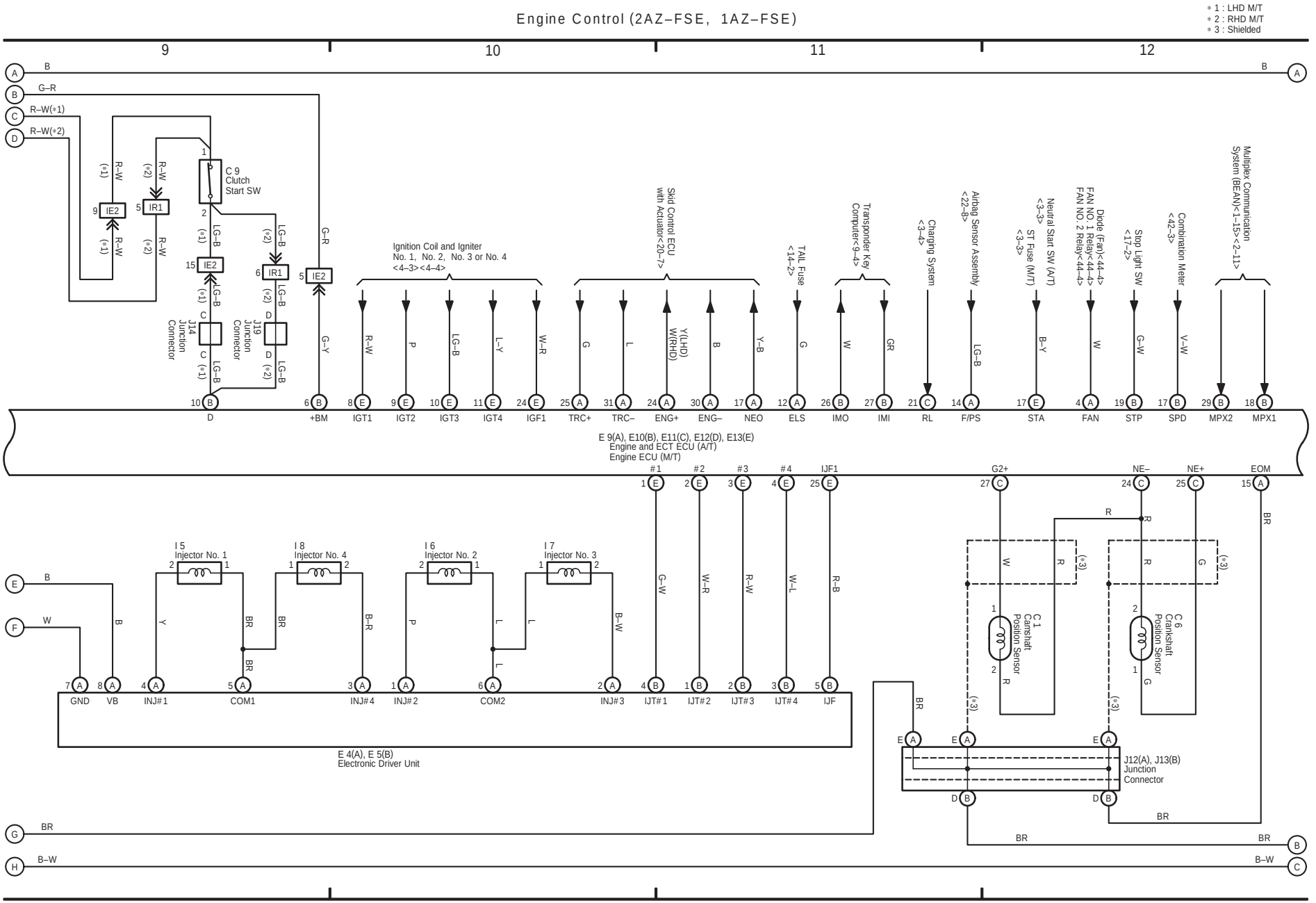
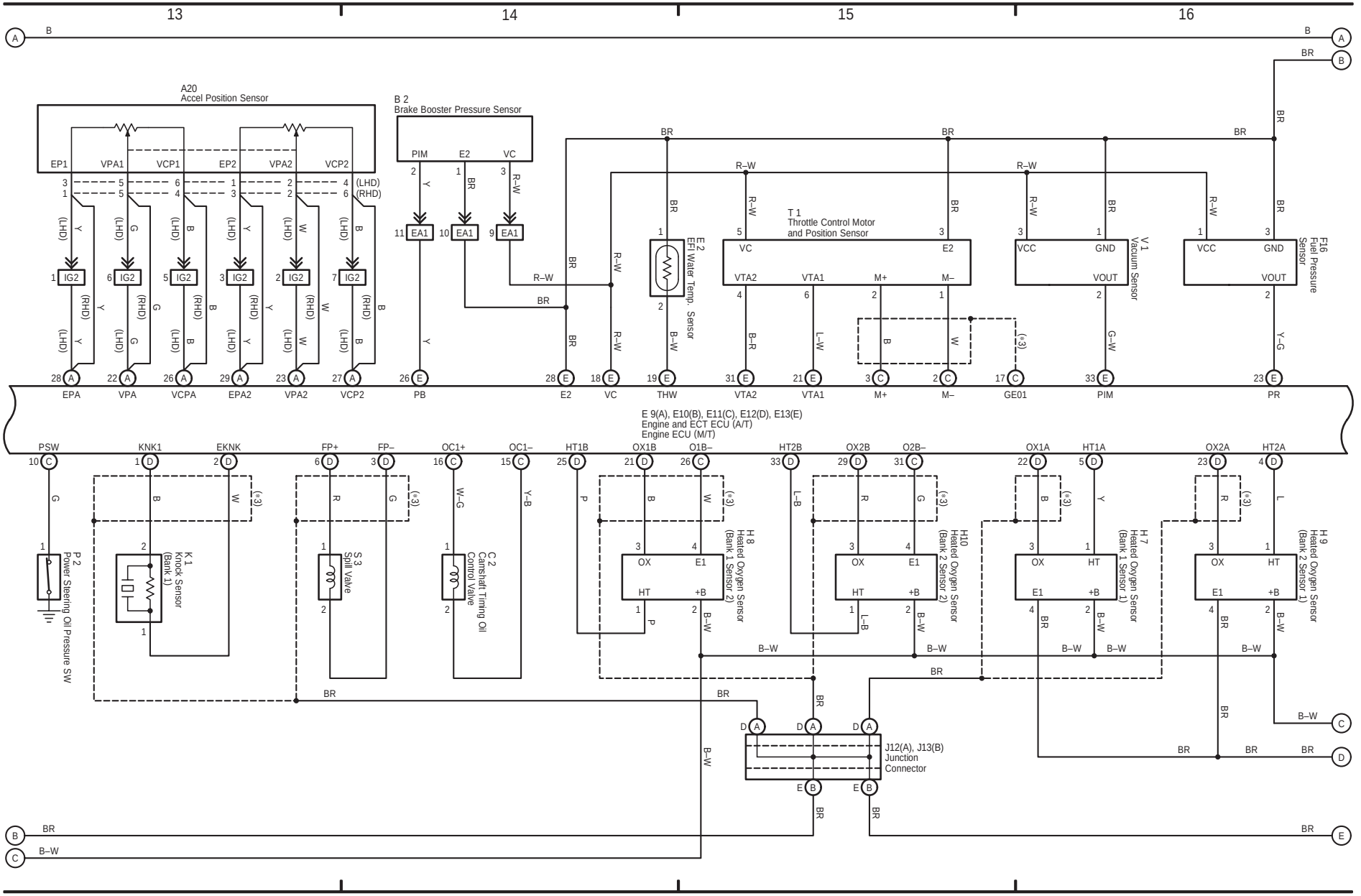


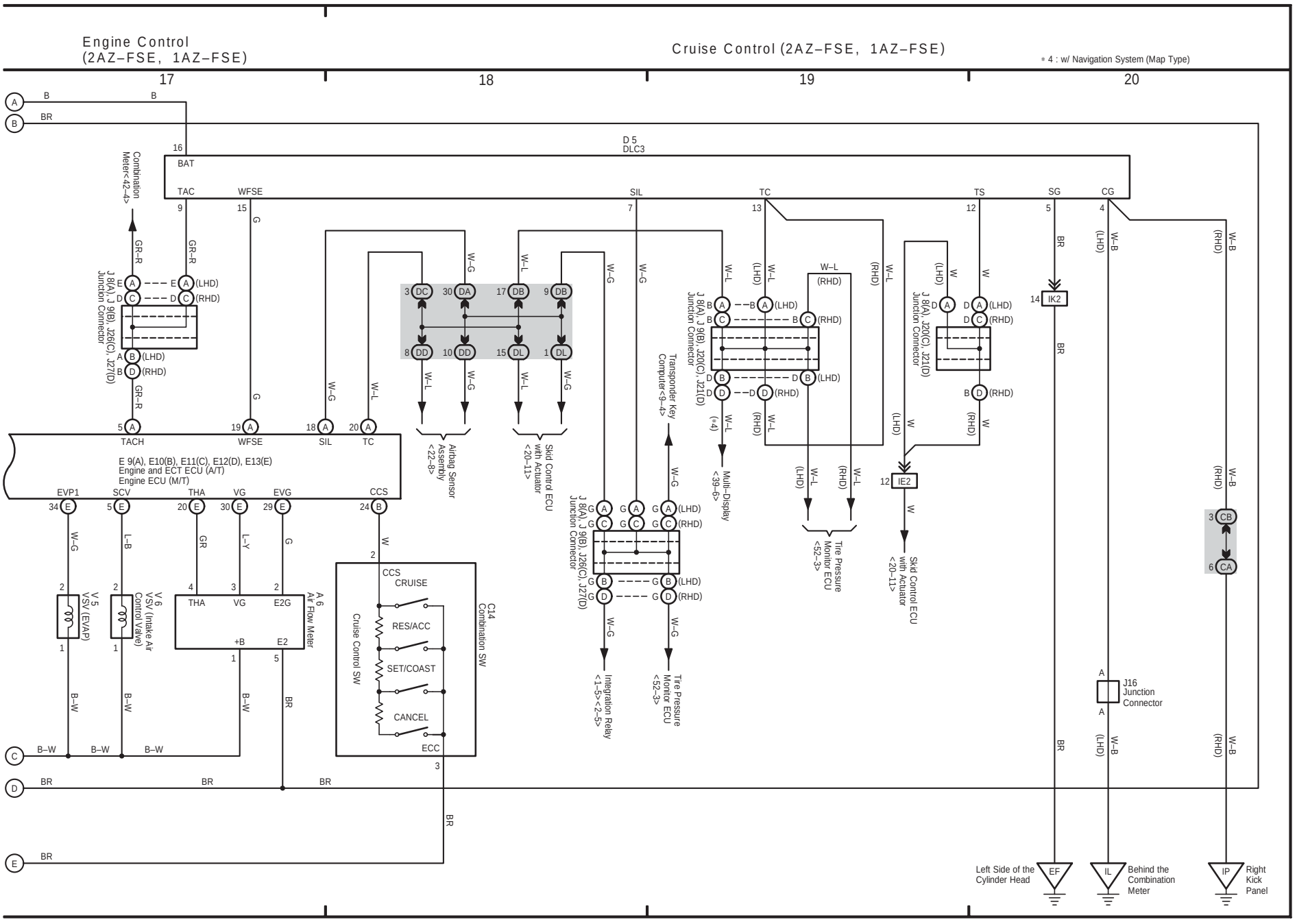
(Cont. next page)

Engine Control (2AZ–FSE, 1AZ–FSE)

* 3 : Shielded

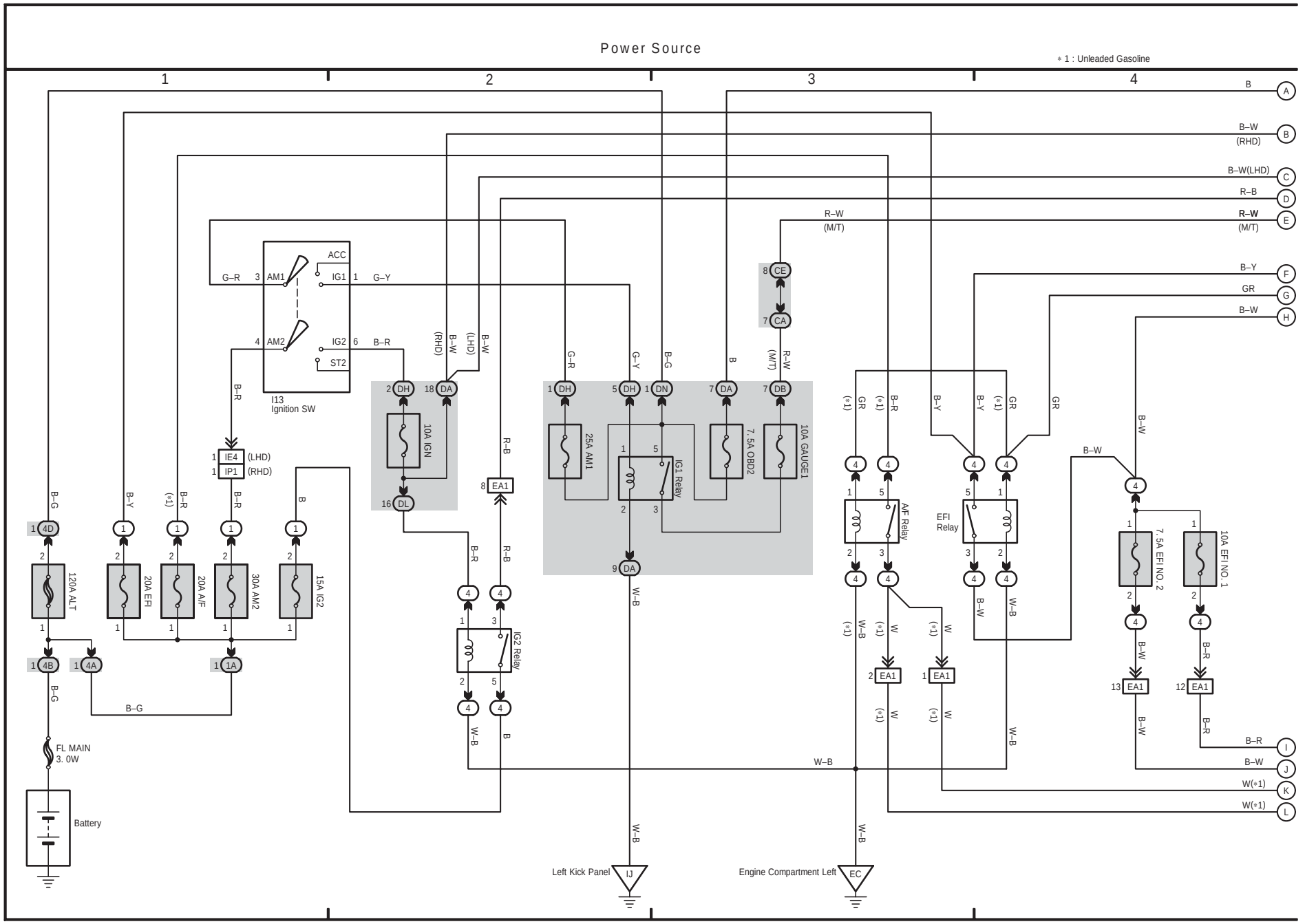


5 AVENSIS (Cont' d)



6 AVENSIS

(Cont. next page)



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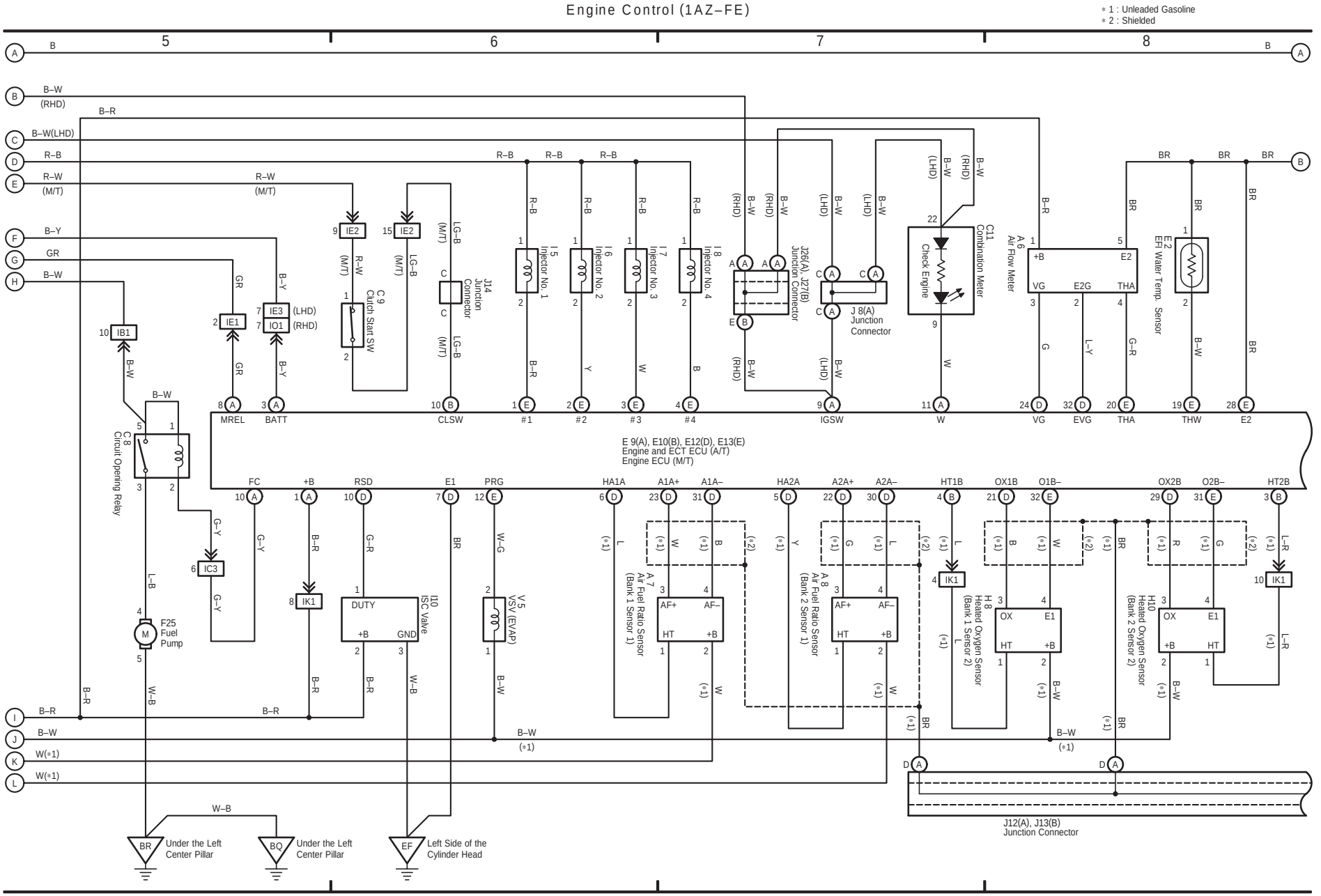
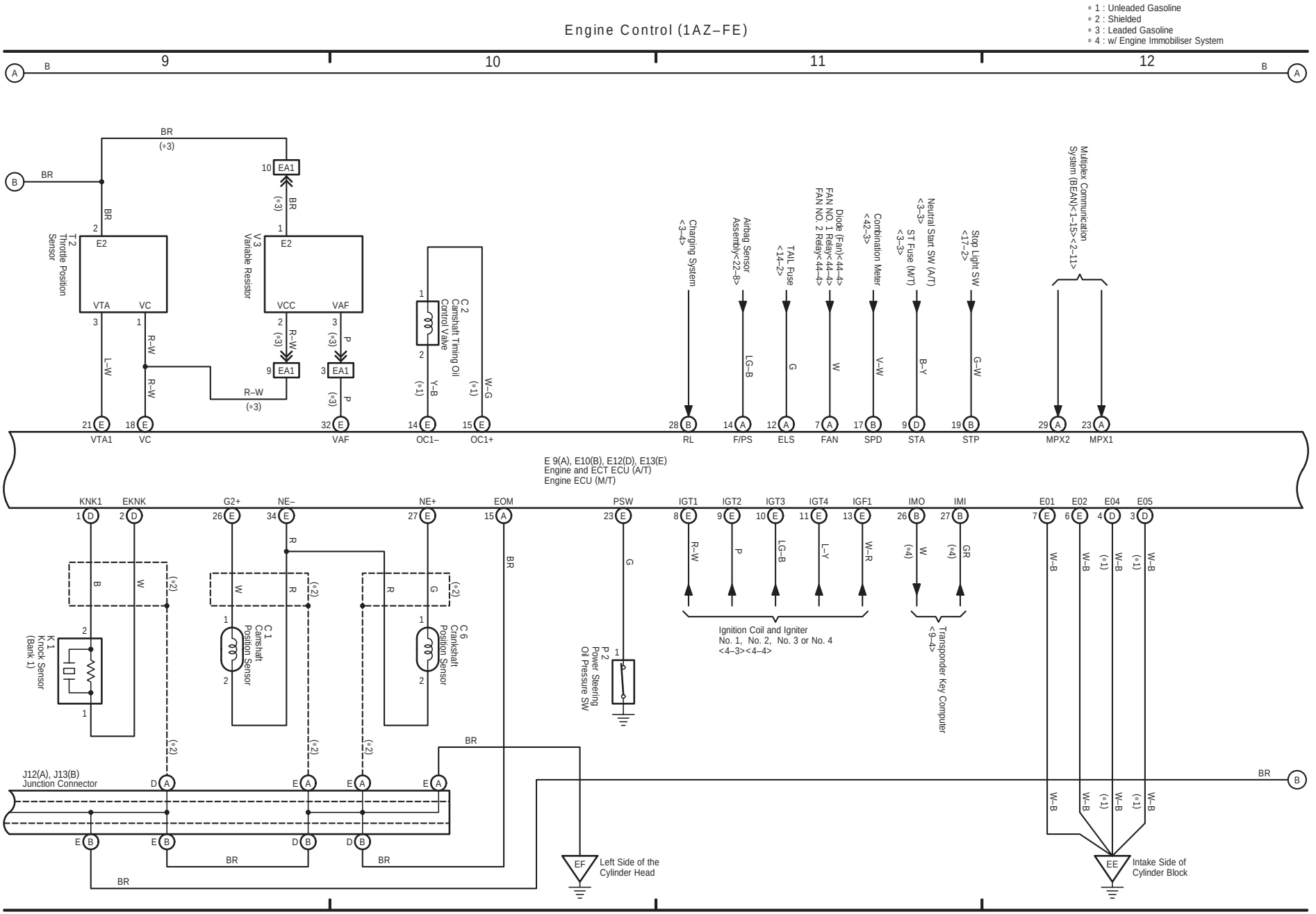
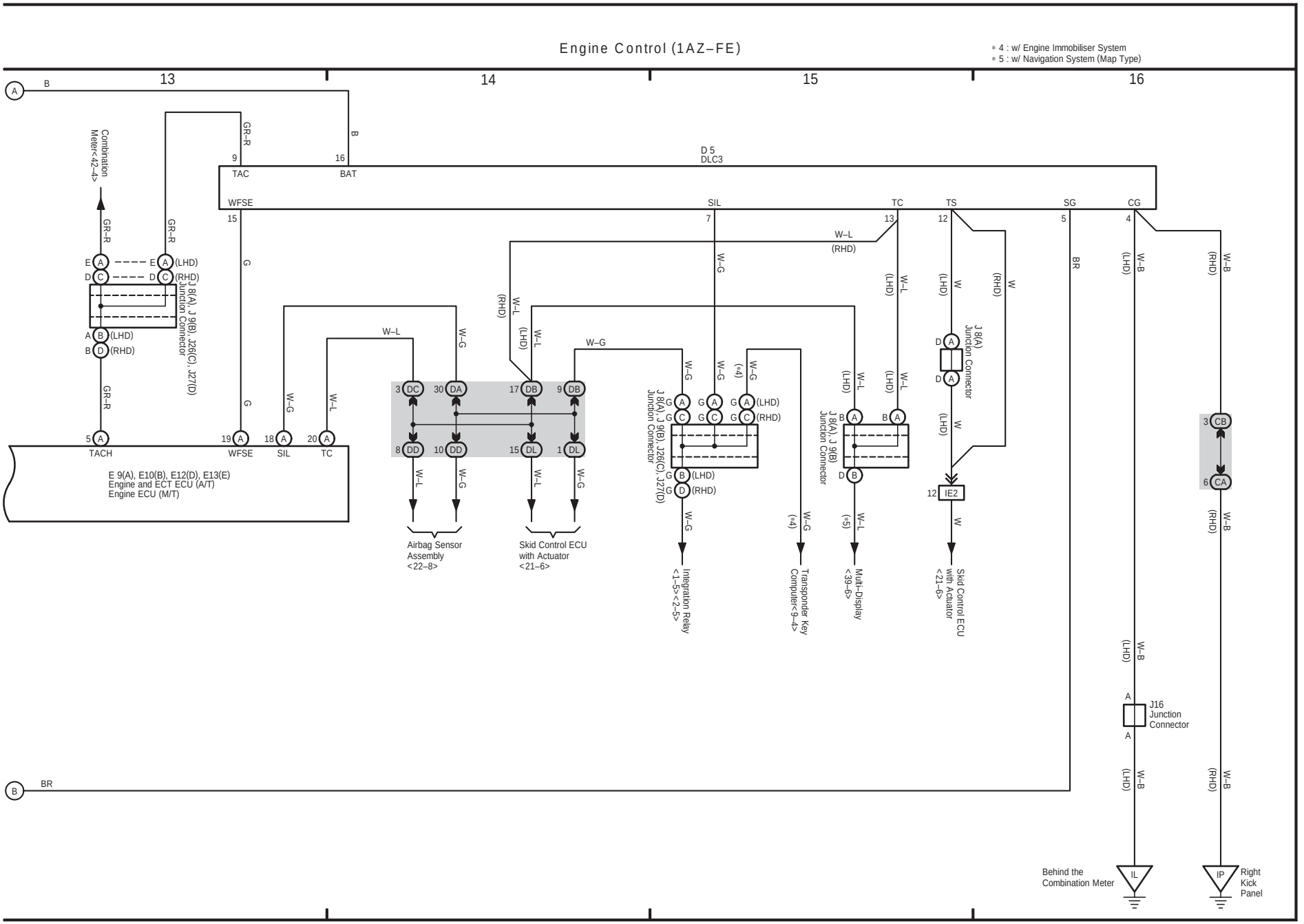


6 AVENSIS (Cont' d)

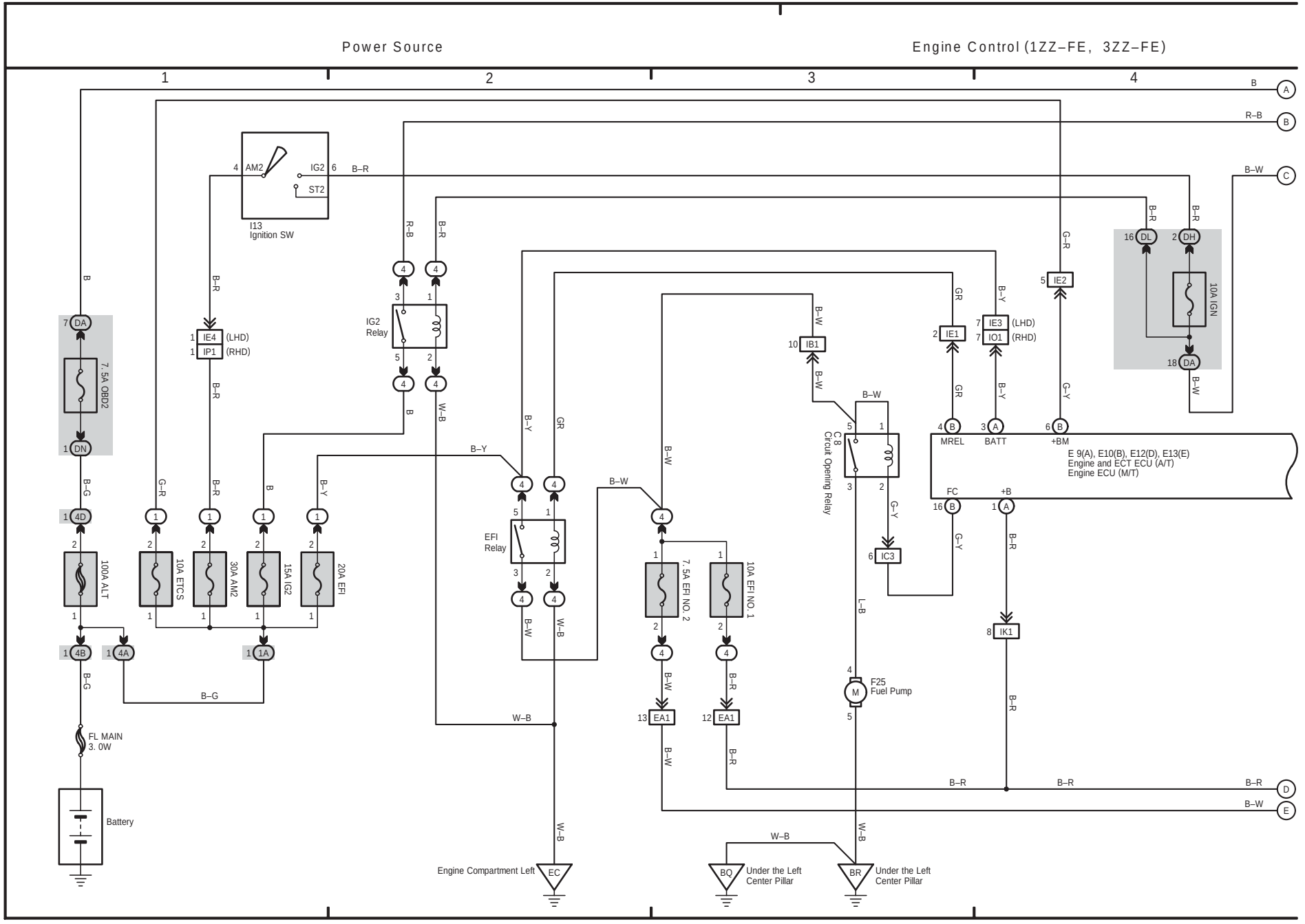
(Cont. next page)




Engine Control (1AZ–FE)
* 4 : w/ Engine Immobiliser System
* 5 : w/ Navigation System (Map Type)
13
14
15
16
Combination Meter<42–4>
GR–R
B
9 TAC
16 BAT
D 5 DLC3
WFSE
SIL
TC
TS
SG
CG
15
7
13
12
5
4
W–L (RHD)
W–G
W–L (LHD)
W
BR
W–B (LHD)
W–B (RHD)
G
E A (LHD)
D C (RHD)
J 8(A), J 9(B), J26(C), J27(D) Junction Connector
A B (LHD)
B D (RHD)
5 A TACH
19 A WFSE
18 A SIL
20 A TC
E 9(A), E10(B), E12(D), E13(E) Engine and ECT ECU (A/T) Engine ECU (M/T)
3 DC
30 DA
8 DD
10 DD
17 DB
9 DB
15 DL
1 DL
Airbag Sensor Assembly <22–8>
Skid Control ECU with Actuator <21–6>
J 8(A), J 9(B), J26(C), J27(D) Junction Connector
G A (LHD)
G C (RHD)
G B (LHD)
G D (RHD)
(*4)
Integration Relay <1–5><2–5>
Transponder Key Computer<9–4>
J 8(A), J 9(B) Junction Connector
(*5)
Multi–Display <39–6>
J 8(A) Junction Connector
D A
D A
12 IE2
Skid Control ECU with Actuator <21–6>
3 CB
6 CA
J16 Junction Connector
A
A
Behind the Combination Meter
IL
IP
Right Kick Panel
B
BR

7 AVENSIS

(Cont. next page)



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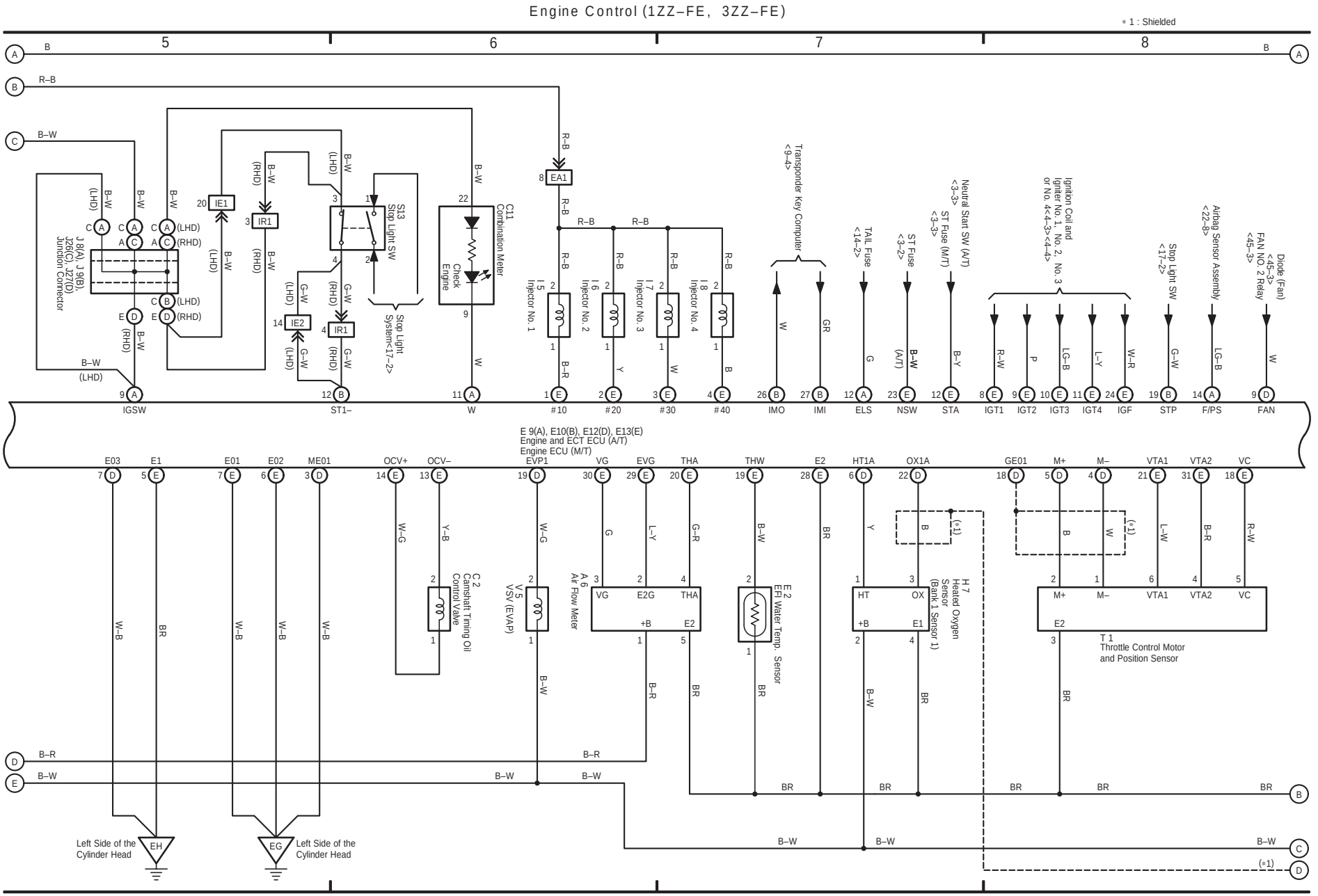
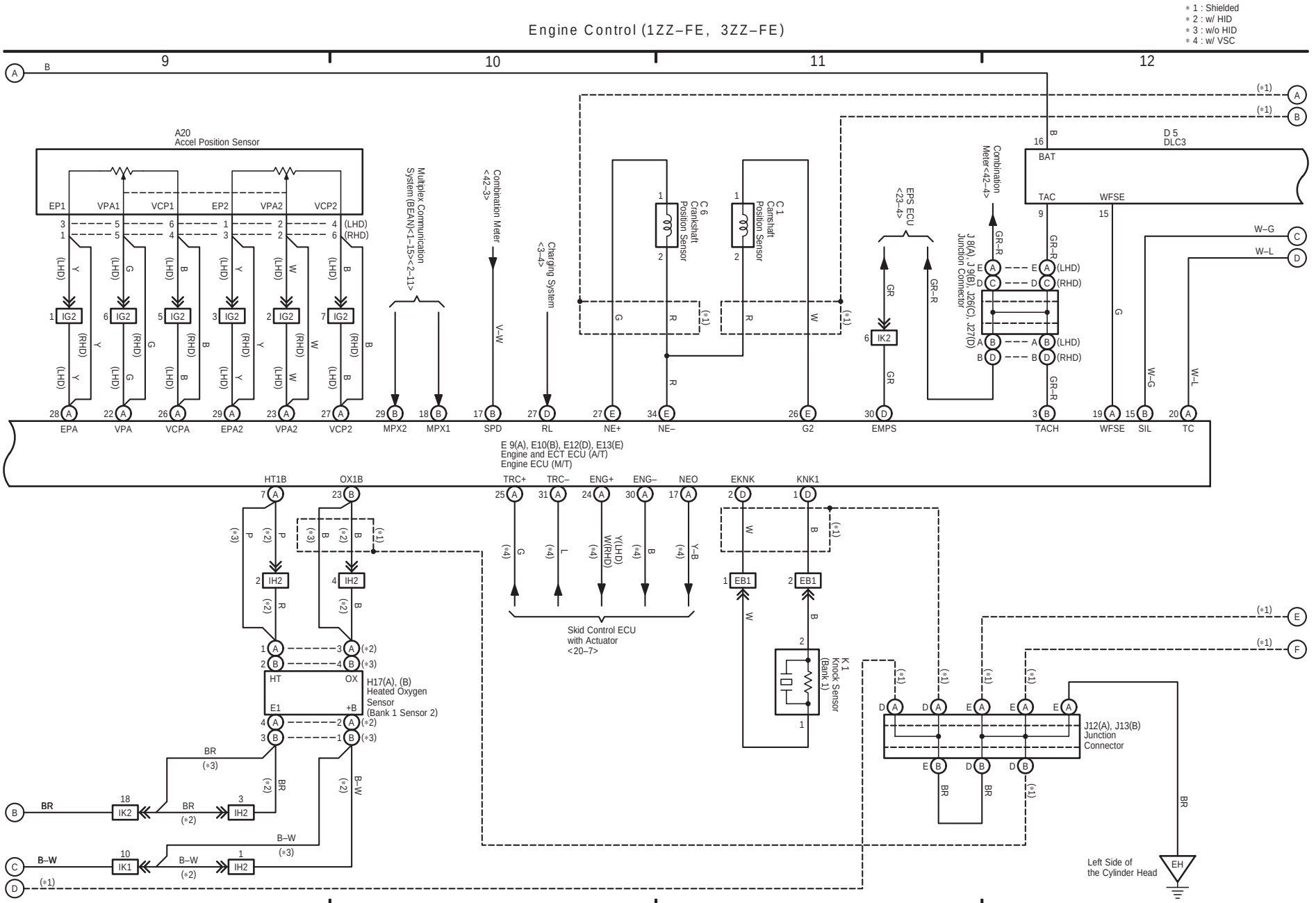
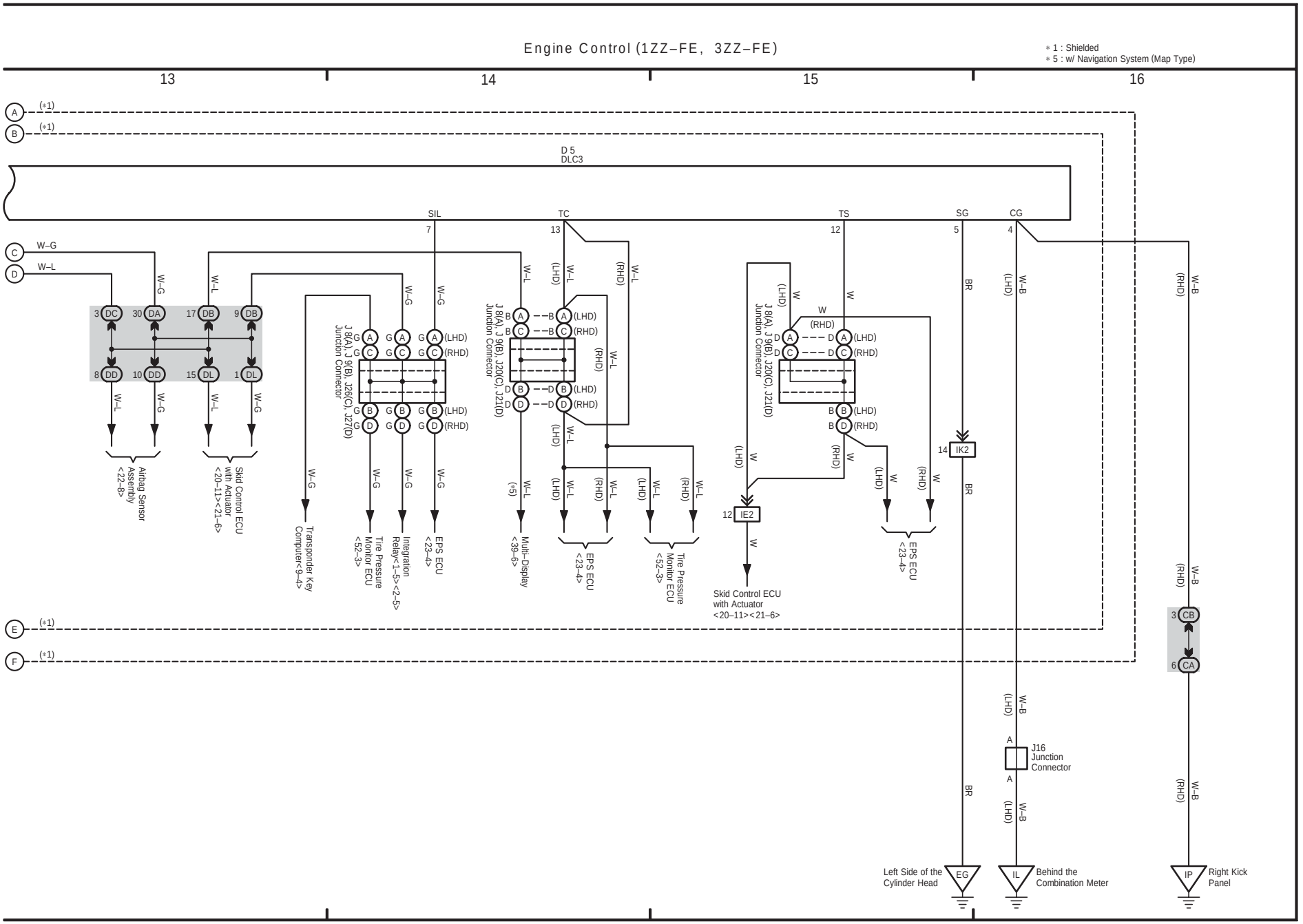


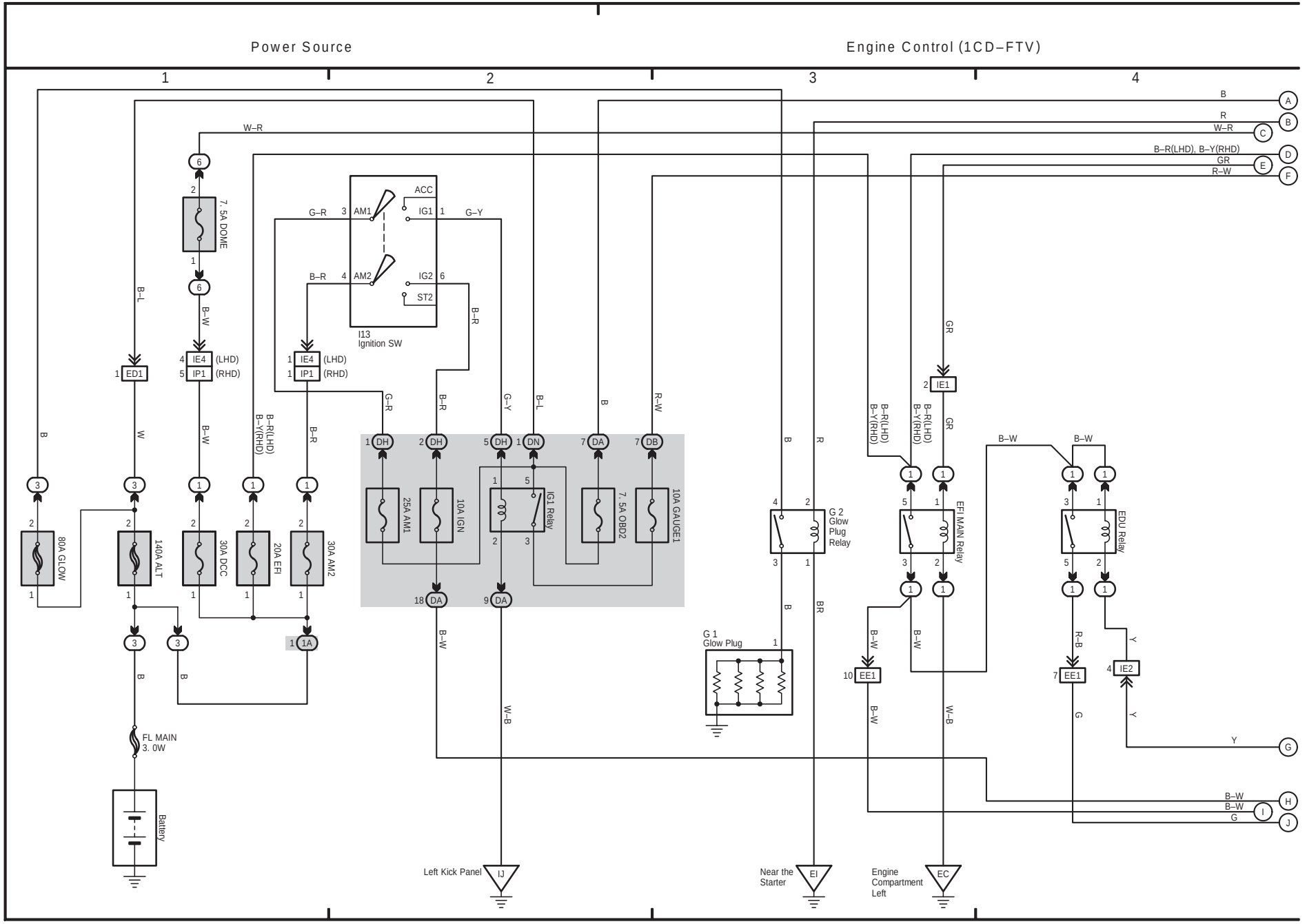
7 AVENSIS (Cont' d)

(Cont. next page)




Engine Control (1ZZ–FE, 3ZZ–FE)
* 1 : Shielded
* 5 : w/ Navigation System (Map Type)
13
14
15
16
D 5
DLC3
SIL
TC
TS
SG
CG
Airbag Sensor Assembly <22–8>
Skid Control ECU with Actuator <20–11><21–6>
Transponder Key Computer<9–4>
Tire Pressure Monitor ECU <52–3>
Integration Relay<1–5><2–5>
EPS ECU <23–4>
Multi–Display <39–6>
J8(A), J9(B), J220(C), J21(D) Junction Connector
J8(A), J9(B), J26(C), J27(D) Junction Connector
IE2
IK2
J16 Junction Connector
Left Side of the Cylinder Head
Behind the Combination Meter
Right Kick Panel

(Cont. next page)



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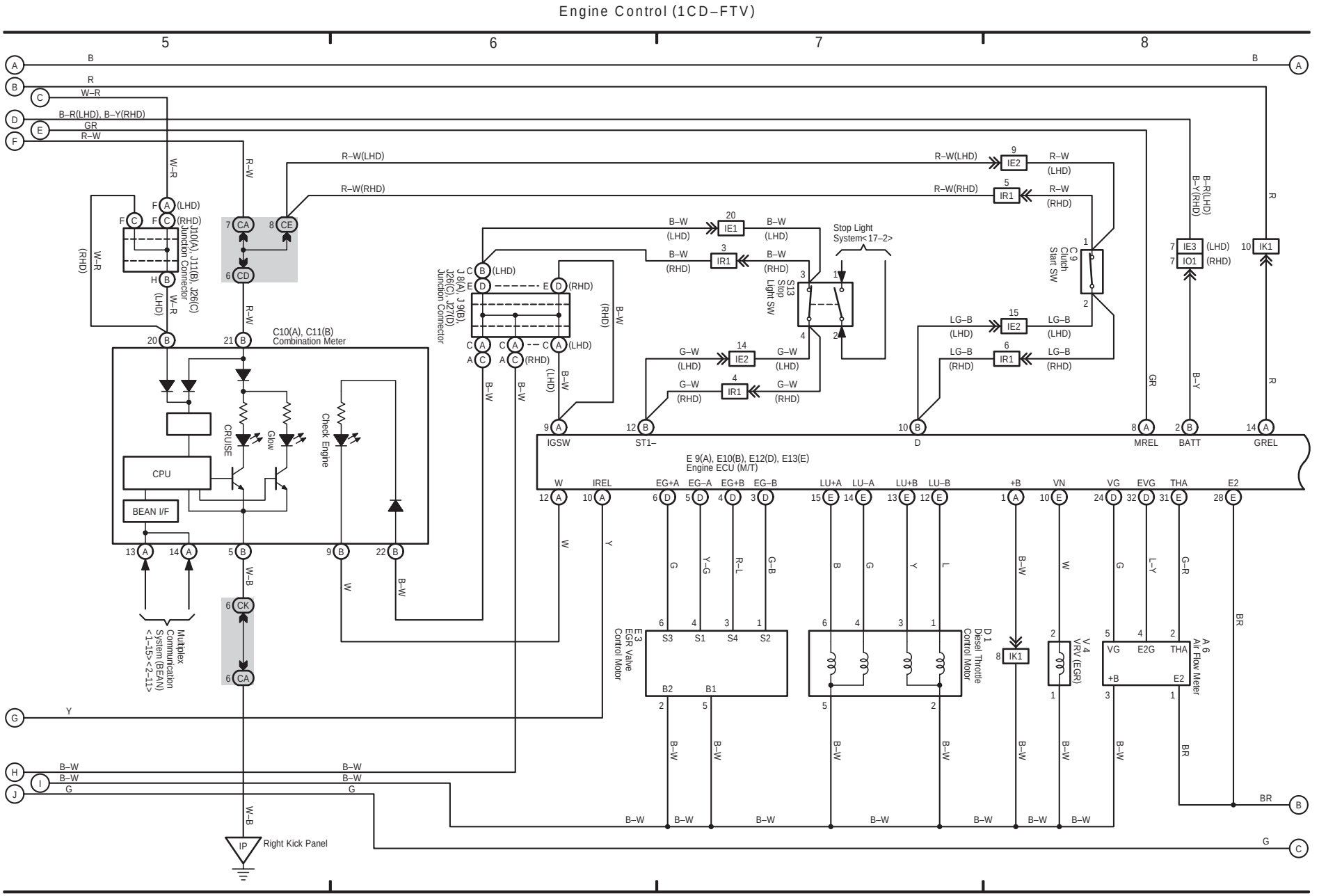

8 AVENSIS (Cont' d)

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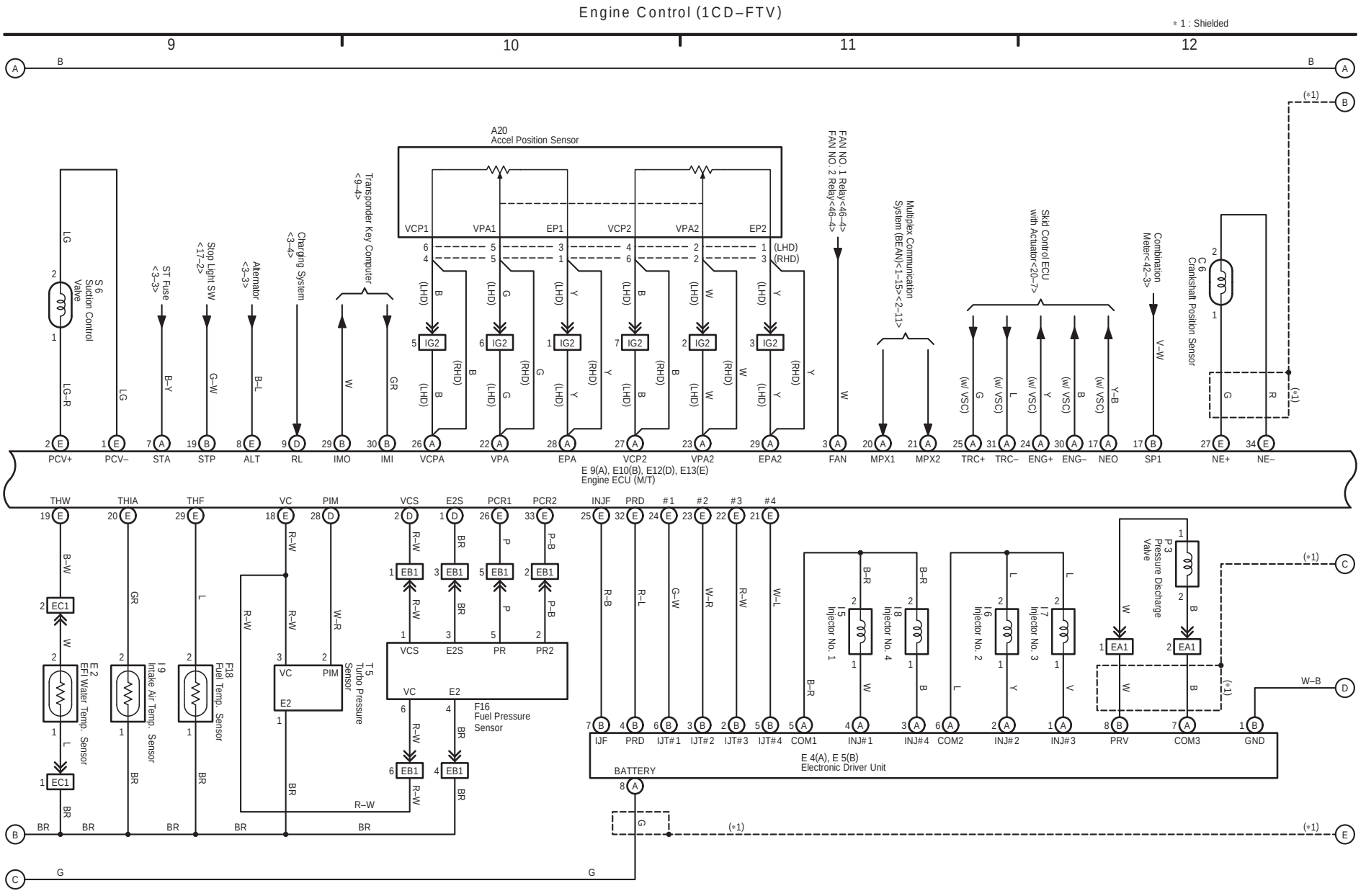
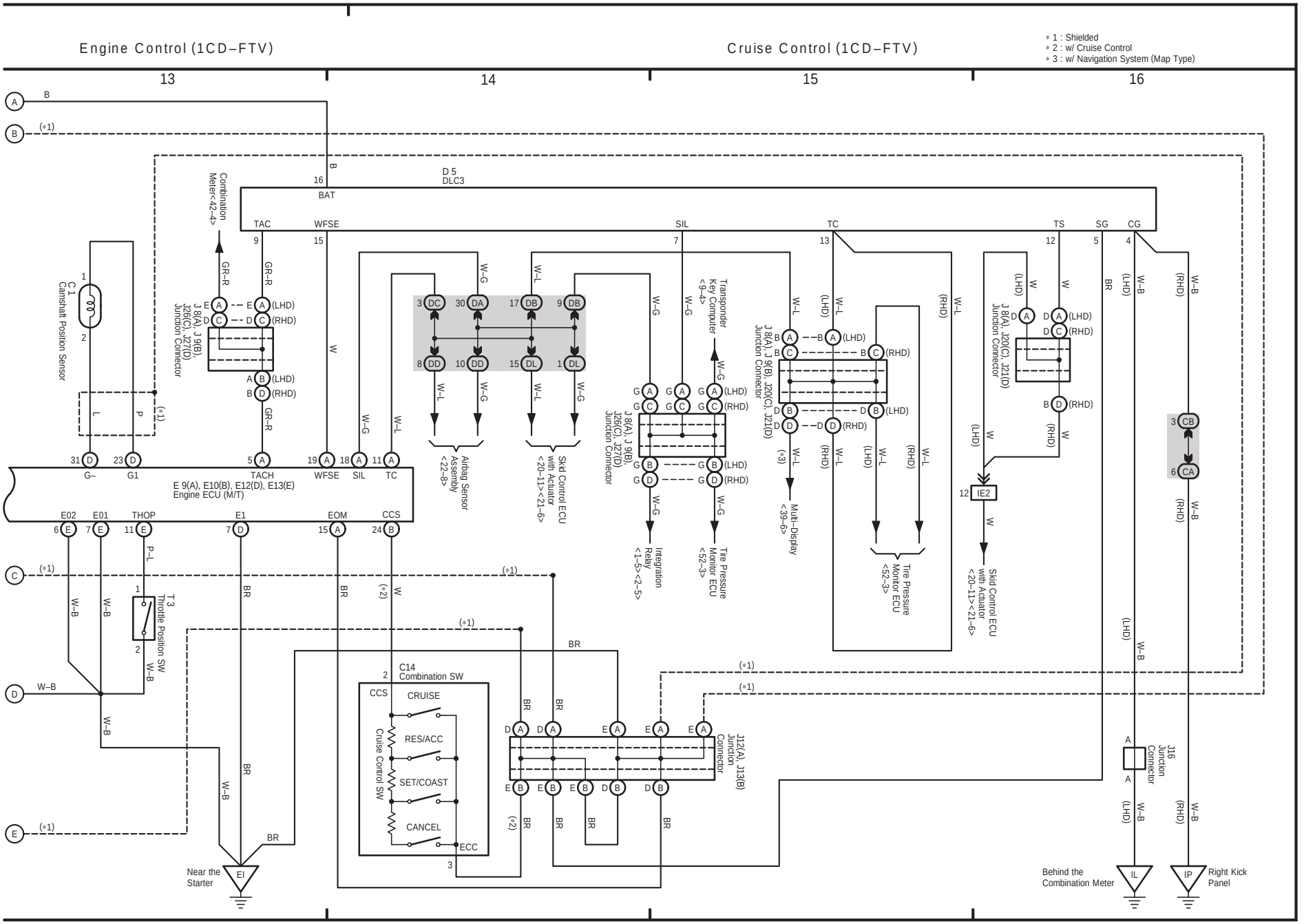
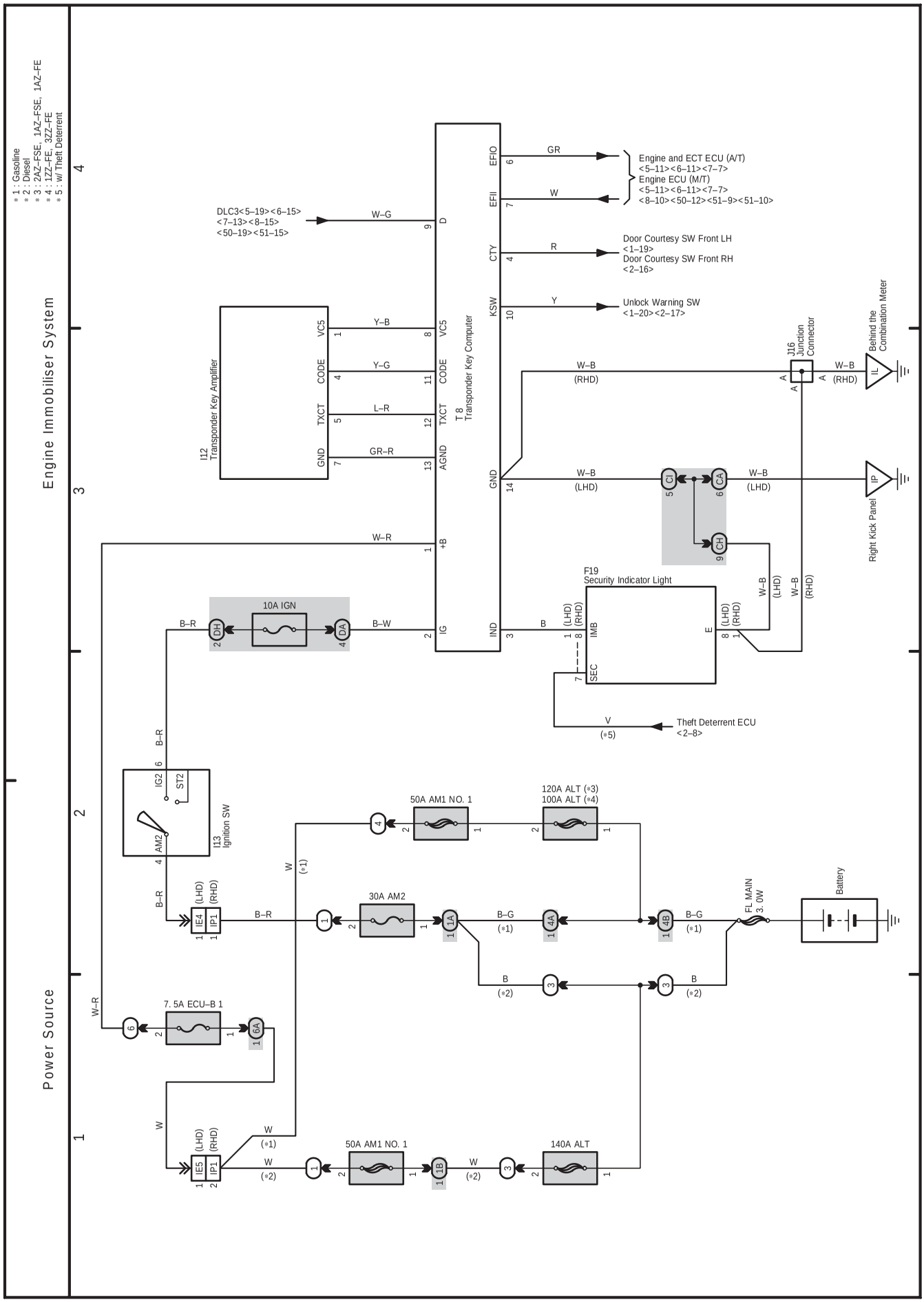



Engine Control (1CD–FTV)
Cruise Control (1CD–FTV)
* 1 : Shielded
* 2 : w/ Cruise Control
* 3 : w/ Navigation System (Map Type)
13
14
15
16
D 5
DLC3
BAT
TAC
WFSE
SIL
TC
TS
SG
CG
Combination Meter<42–4>
C 1
Camshaft Position Sensor
J 8(A), J 9(B), J26(C), J27(D) Junction Connector
Transponder Key Computer <9–4>
Airbag Sensor Assembly <22–8>
Skid Control ECU with Actuator <20–11><21–6>
J 8(A), J 9(B), J20(C), J21(D) Junction Connector
Multi–Display <39–6>
Tire Pressure Monitor ECU <52–3>
IE2
E 9(A), E10(B), E12(D), E13(E) Engine ECU (M/T)
G–
G1
TACH
WFSE
SIL
TC
E02
E01
THOP
E1
EOM
CCS
T3 Throttle Position SW
C14 Combination SW
CRUISE
RES/ACC
SET/COAST
CANCEL
ECC
Cruise Control SW
J12(A), J13(B) Junction Connector
J16 Junction Connector
Near the Starter
EI
Behind the Combination Meter
IL
IP
Right Kick Panel


*1 : Gasoline
*2 : Diesel
*3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
*4 : 1ZZ–FE, 3ZZ–FE
*5 : w/ Theft Deterrent
Engine Immobiliser System
Power Source
DLC3<5–19><6–15><7–13><8–15><50–19><51–15>
W–G
I12 Transponder Key Amplifier
VC5
CODE
TXCT
GND
Y–B
Y–G
L–R
GR–R
T 8 Transponder Key Computer
EFIO
EFII
CTY
KSW
GND
+B
IG
IND
AGND
GR
W
R
Y
Engine and ECT ECU (A/T)
<5–11><6–11><7–7>
Engine ECU (M/T)
<5–11><6–11><7–7>
<8–10><50–12><51–9><51–10>
Door Courtesy SW Front LH
<1–19>
Door Courtesy SW Front RH
<2–16>
Unlock Warning SW
<1–20><2–17>
J16 Junction Connector
Behind the Combination Meter
IL
IP
Right Kick Panel
W–B (RHD)
W–B (LHD)
W–R
B–R
B–W
10A IGN
F19 Security Indicator Light
IMB
SEC
E
B
V
(*5)
Theft Deterrent ECU
<2–8>
I13 Ignition SW
IG2
ST2
AM2
50A AM1 NO. 1
120A ALT (*3)
100A ALT (*4)
30A AM2
7. 5A ECU–B 1
140A ALT
FL MAIN
3. 0W
Battery
B–G
W
B
(*1)
(*2)
(LHD)
(RHD)
IE4
IP1
IE5
1A
1B
4A
4B
6A
CI
CA
CH
DH
DA

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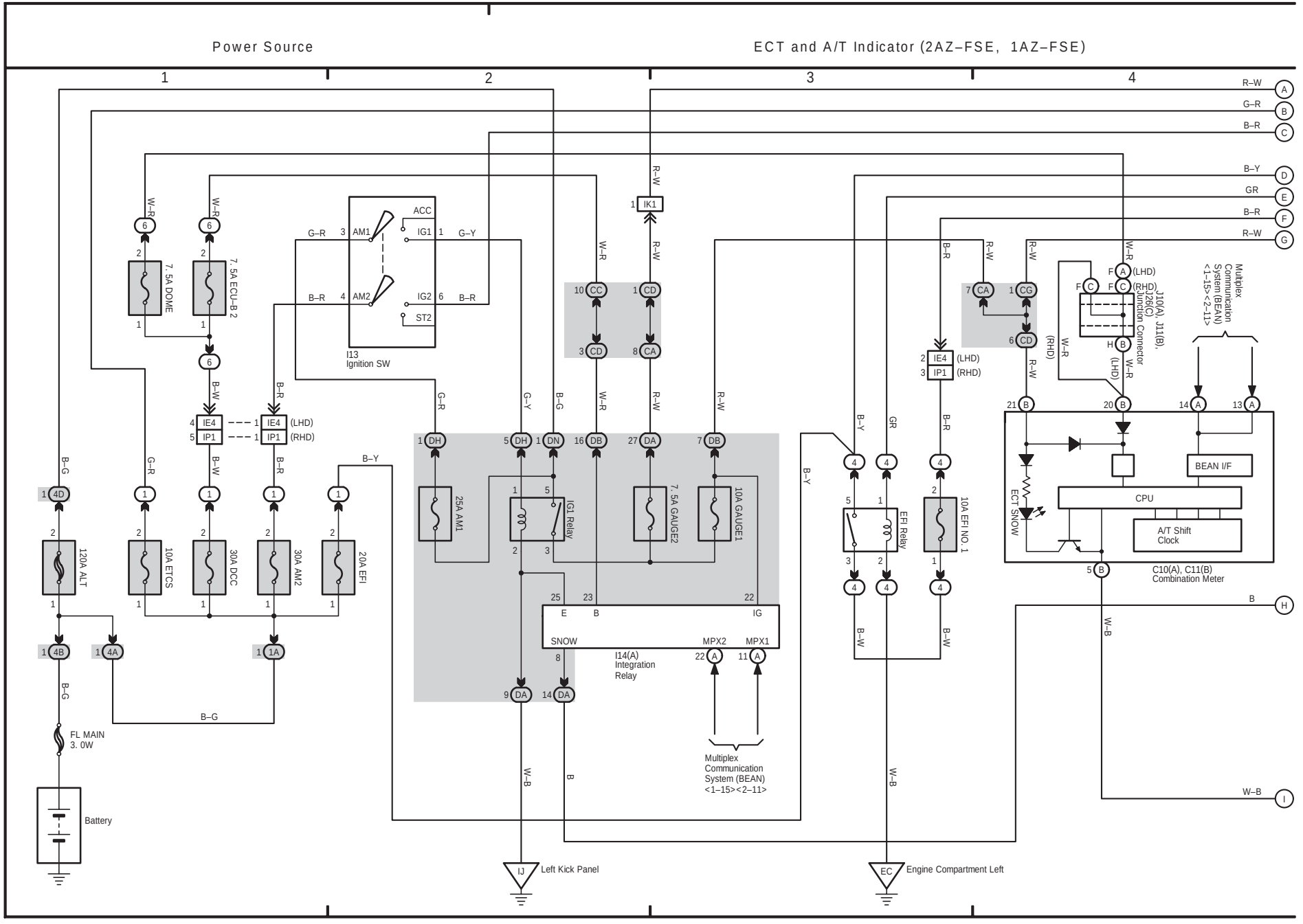

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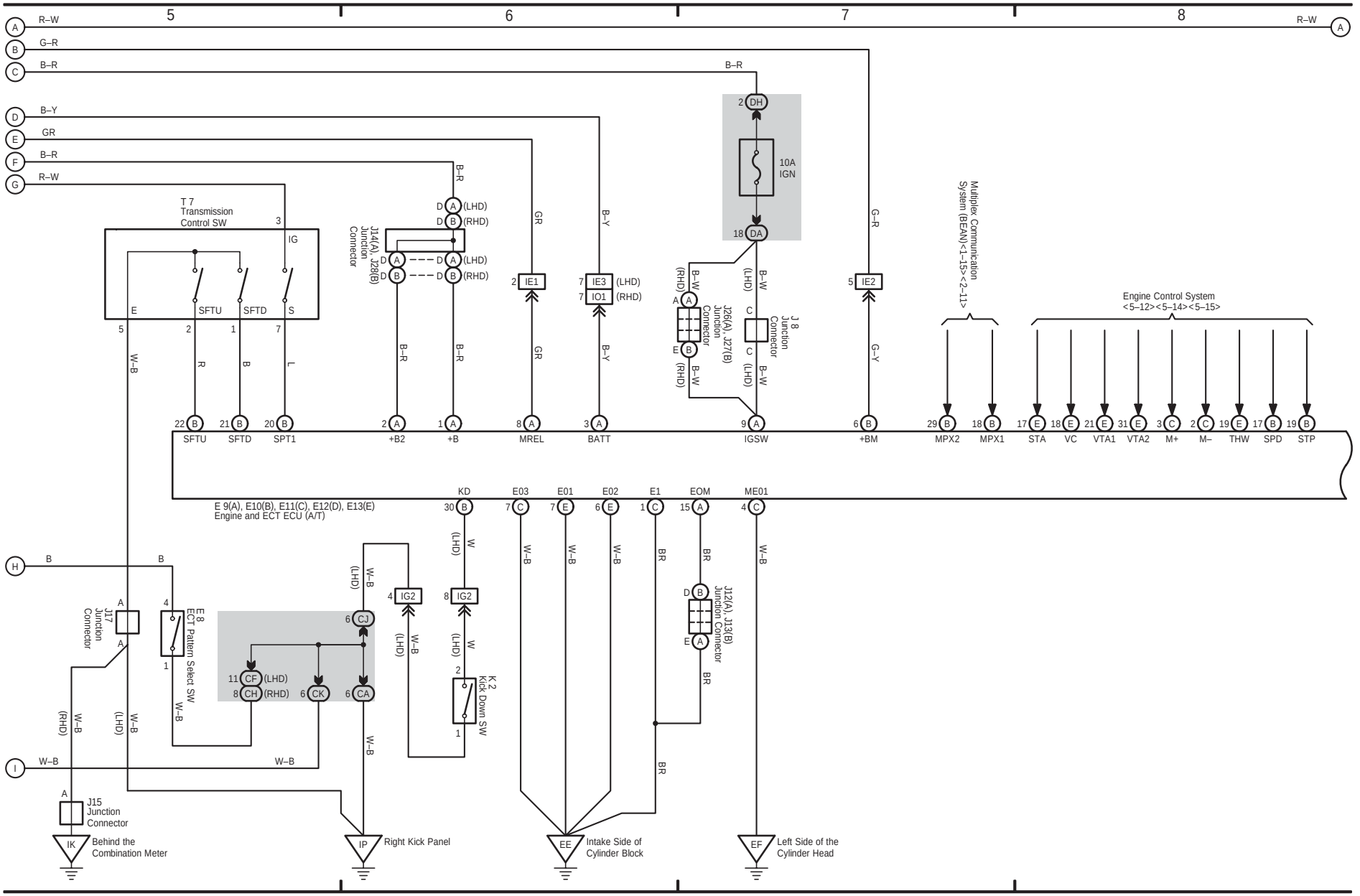
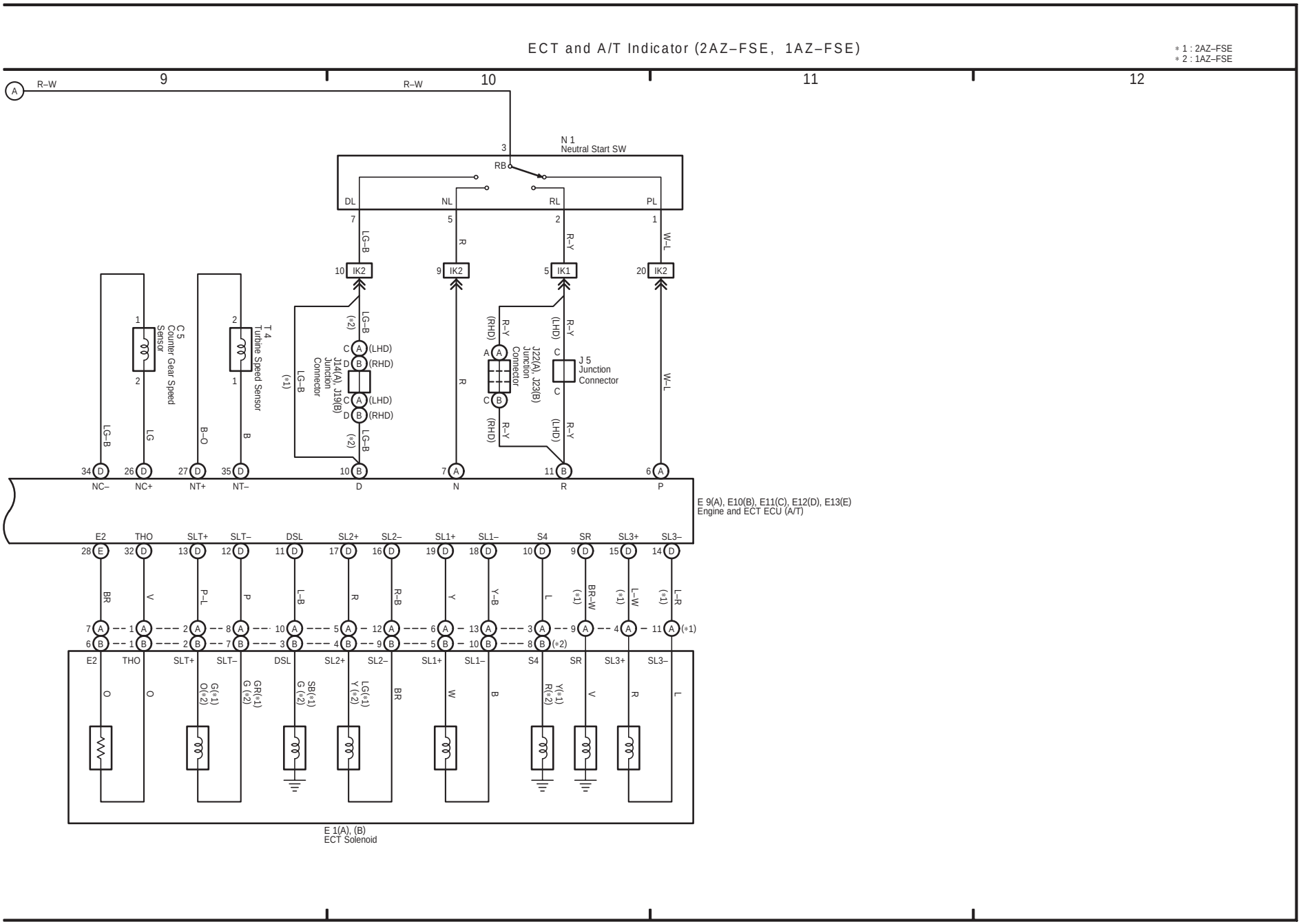
ECT and A/T Indicator (2AZ–FSE, 1AZ–FSE)



10 AVENSIS (Cont' d)



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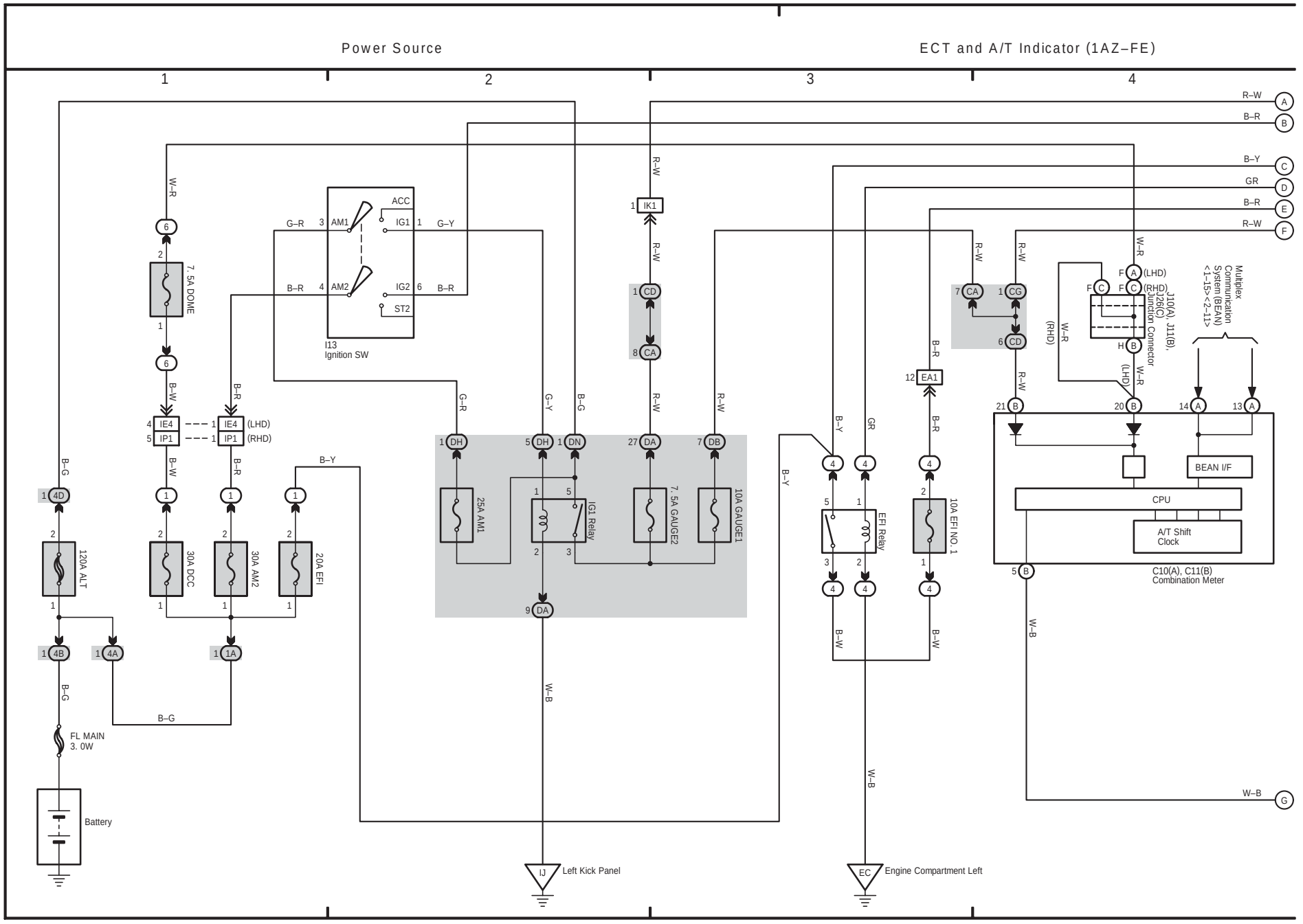

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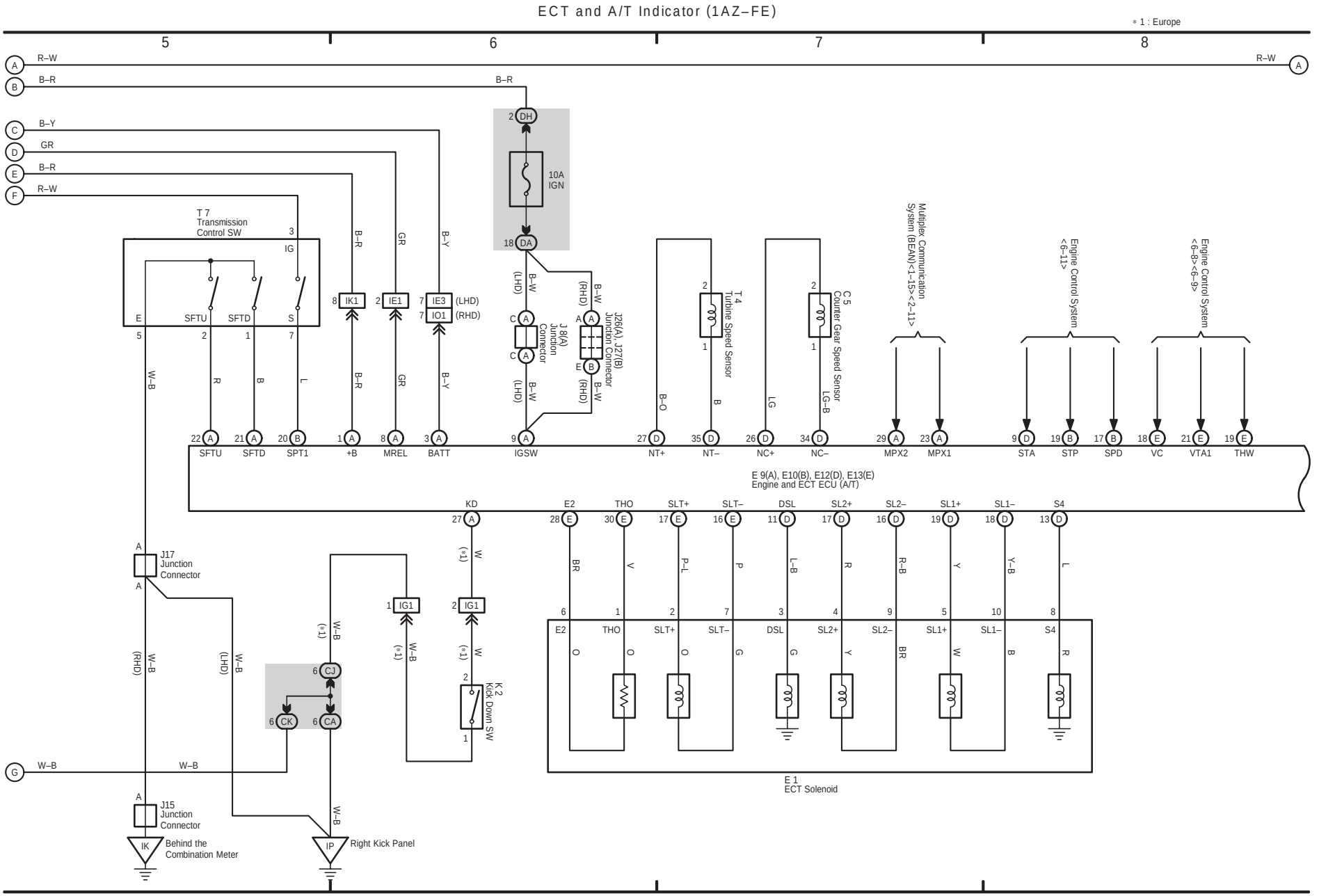
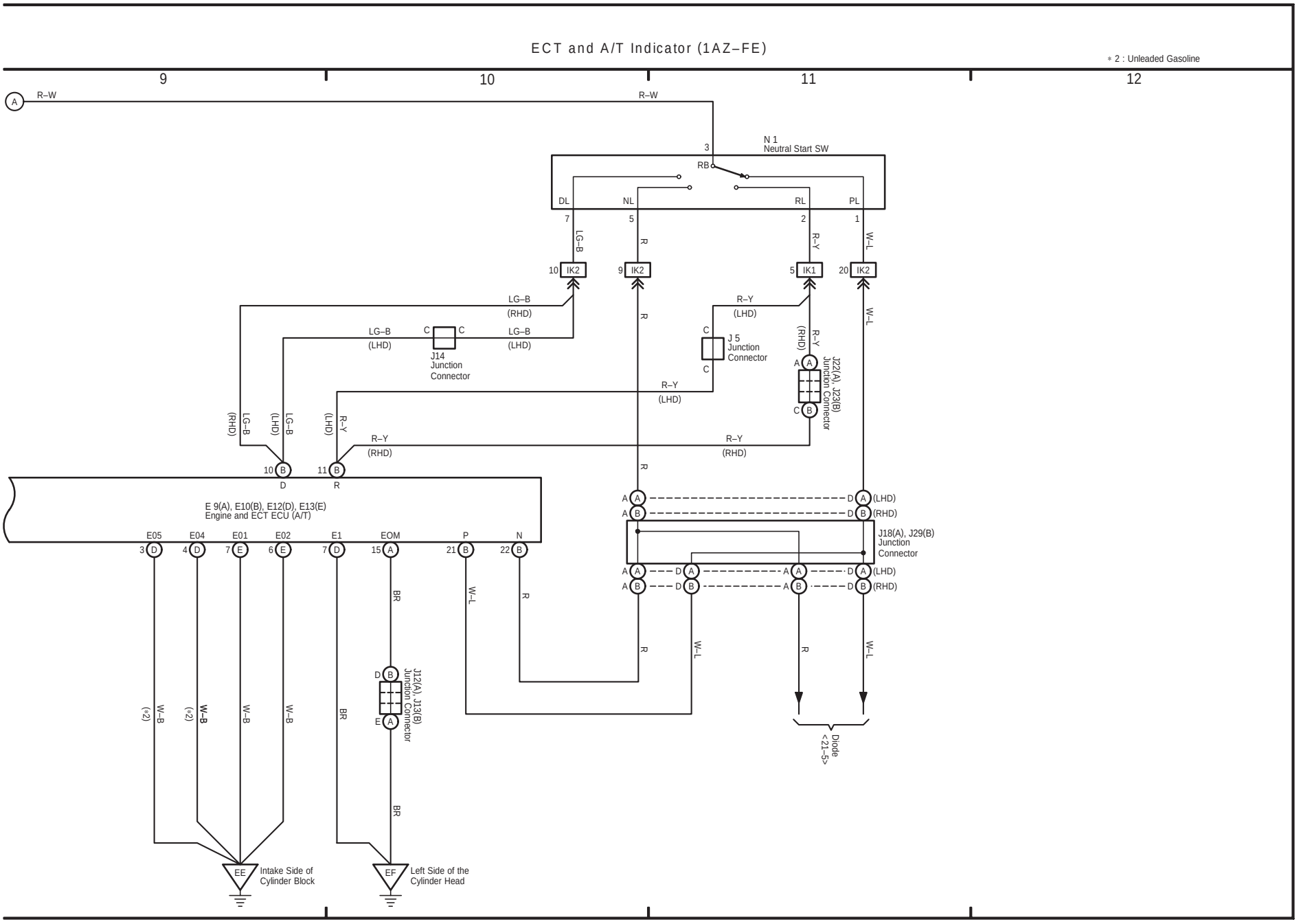


11 AVENSIS (Cont' d)



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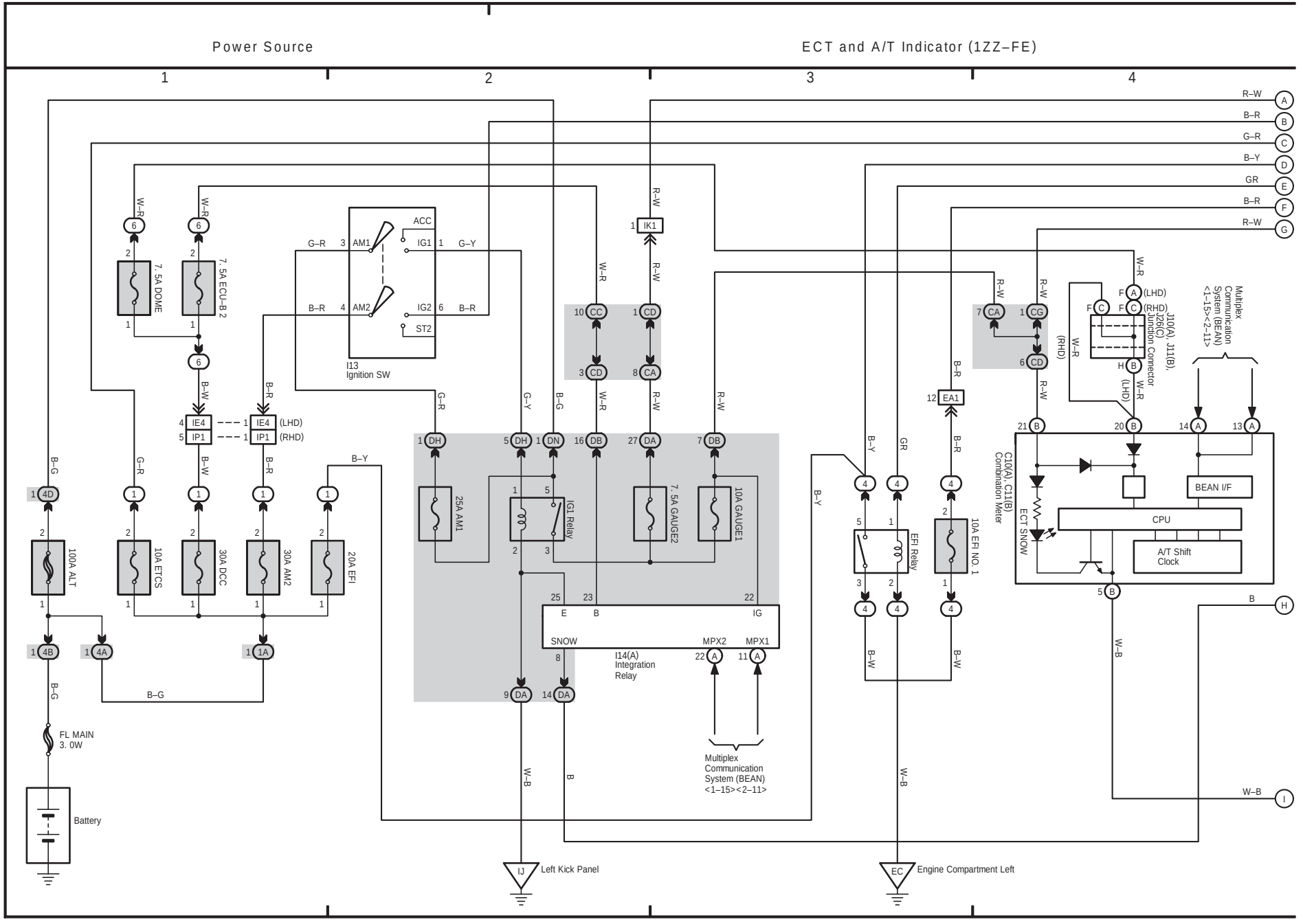

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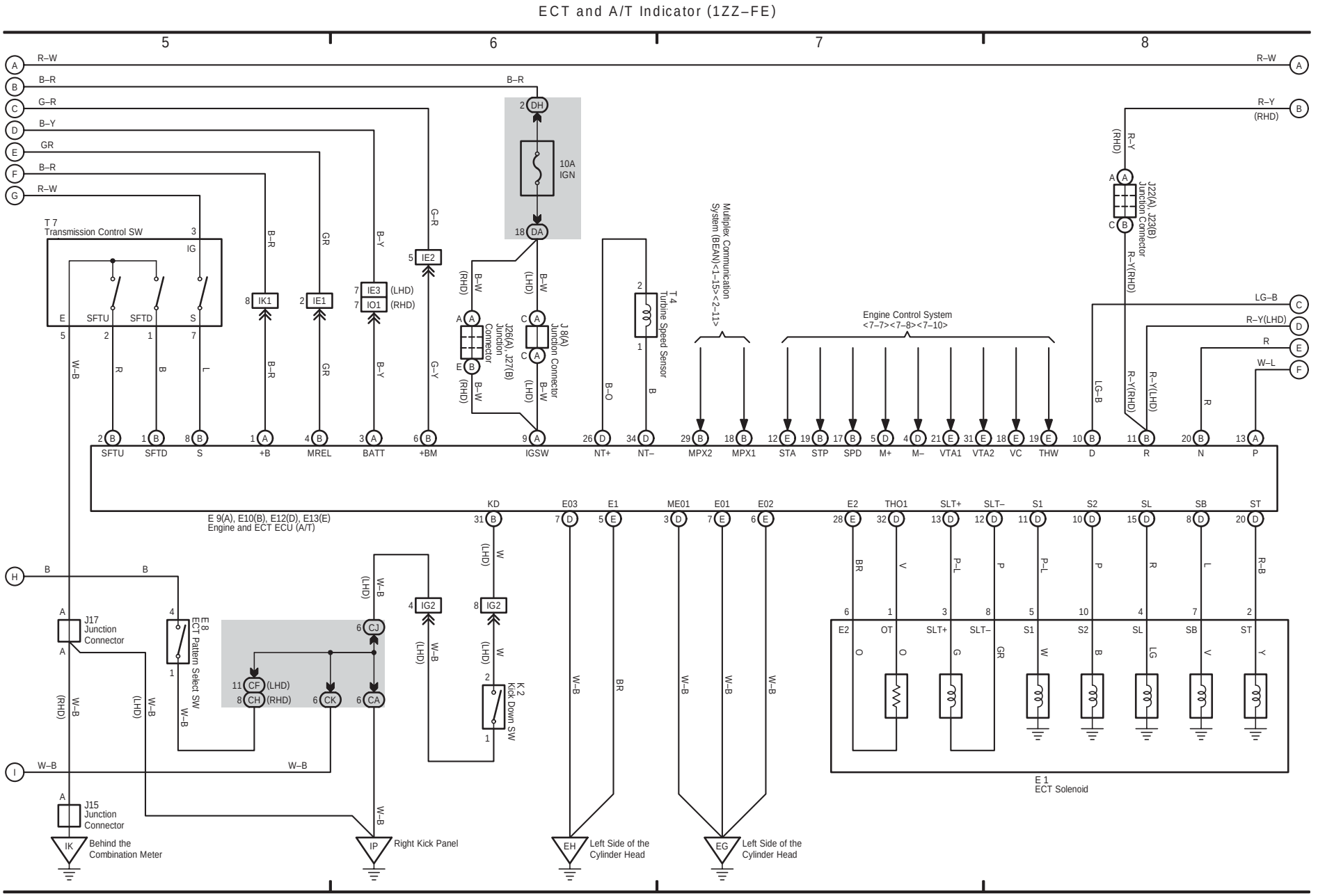
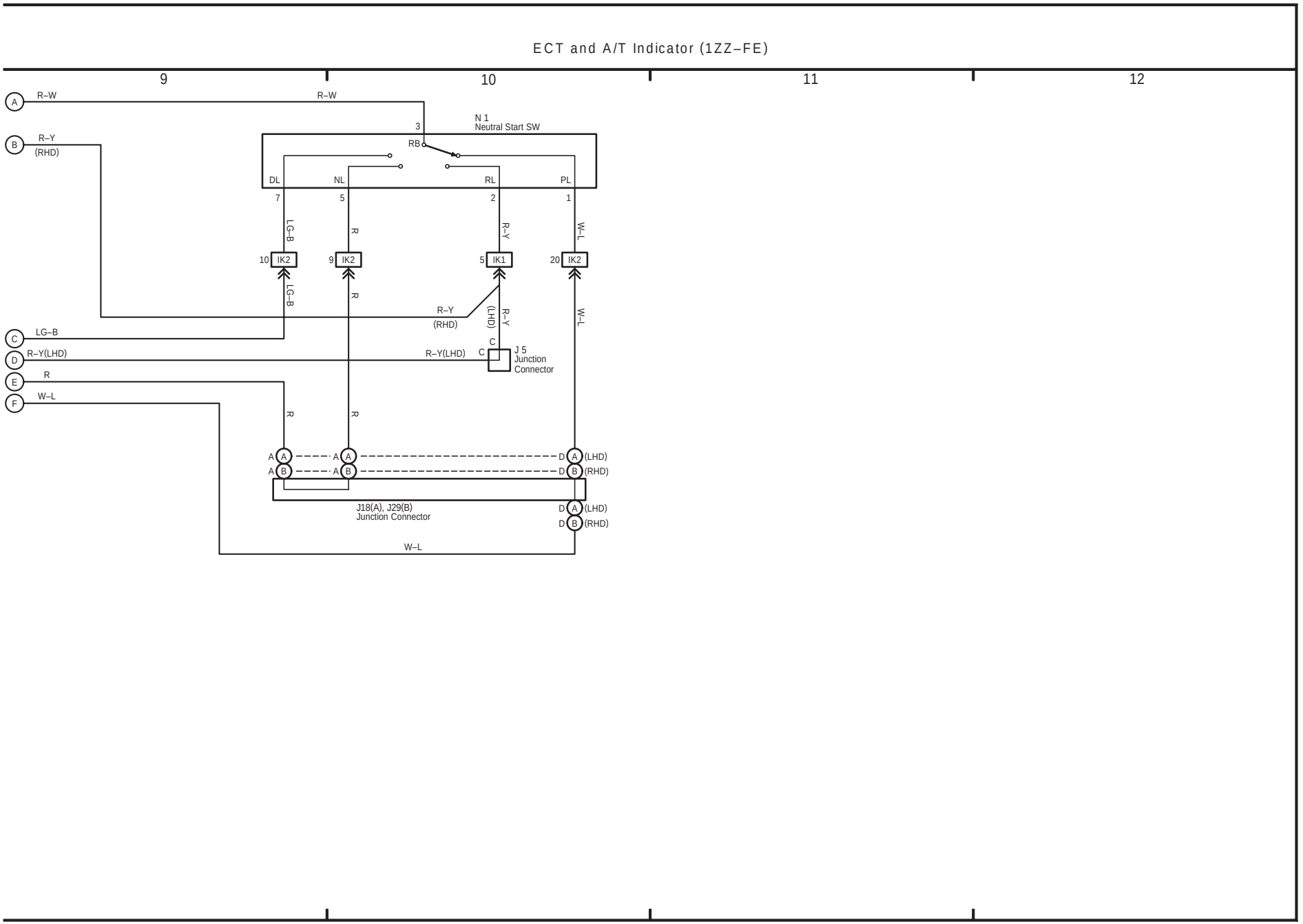
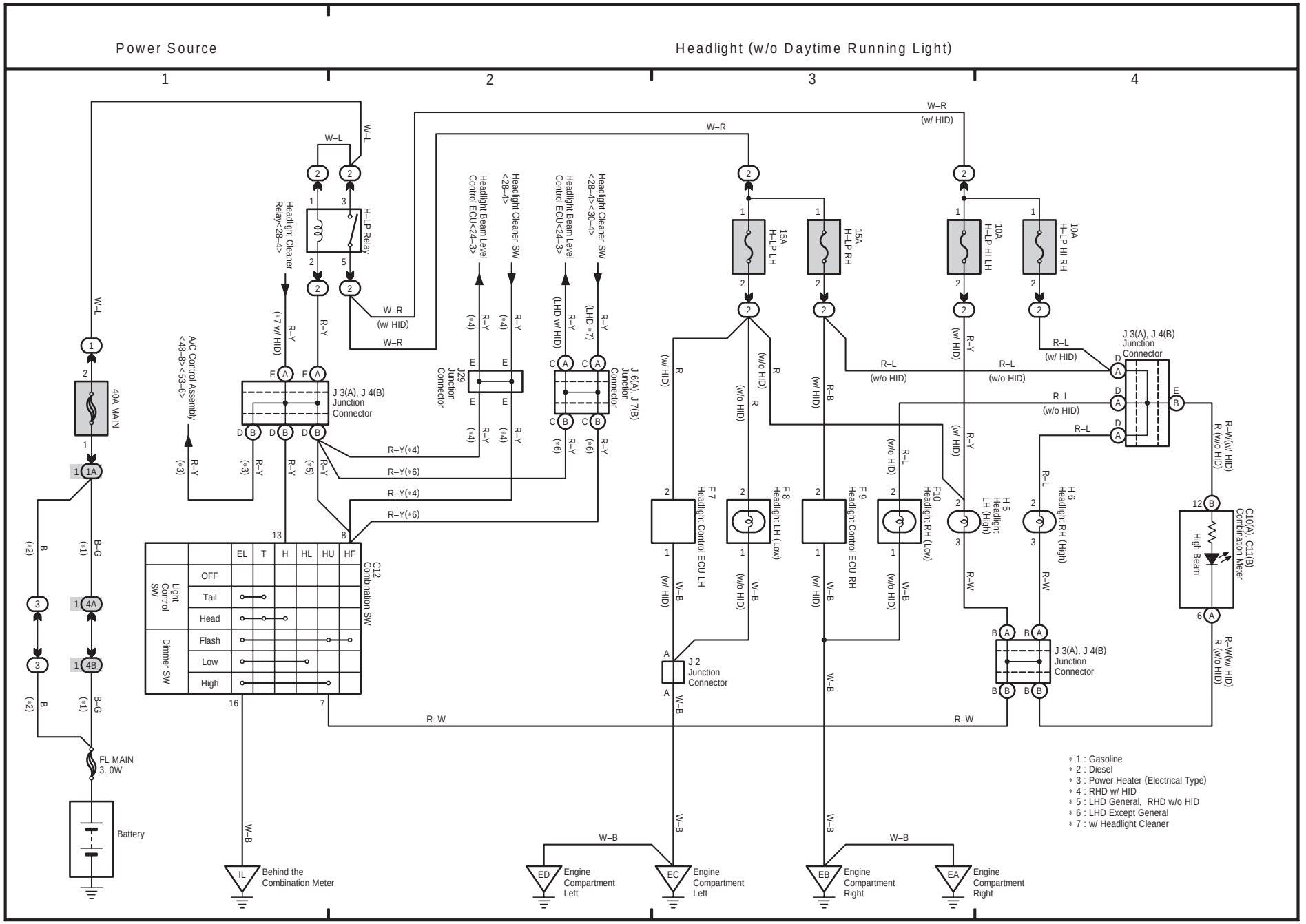
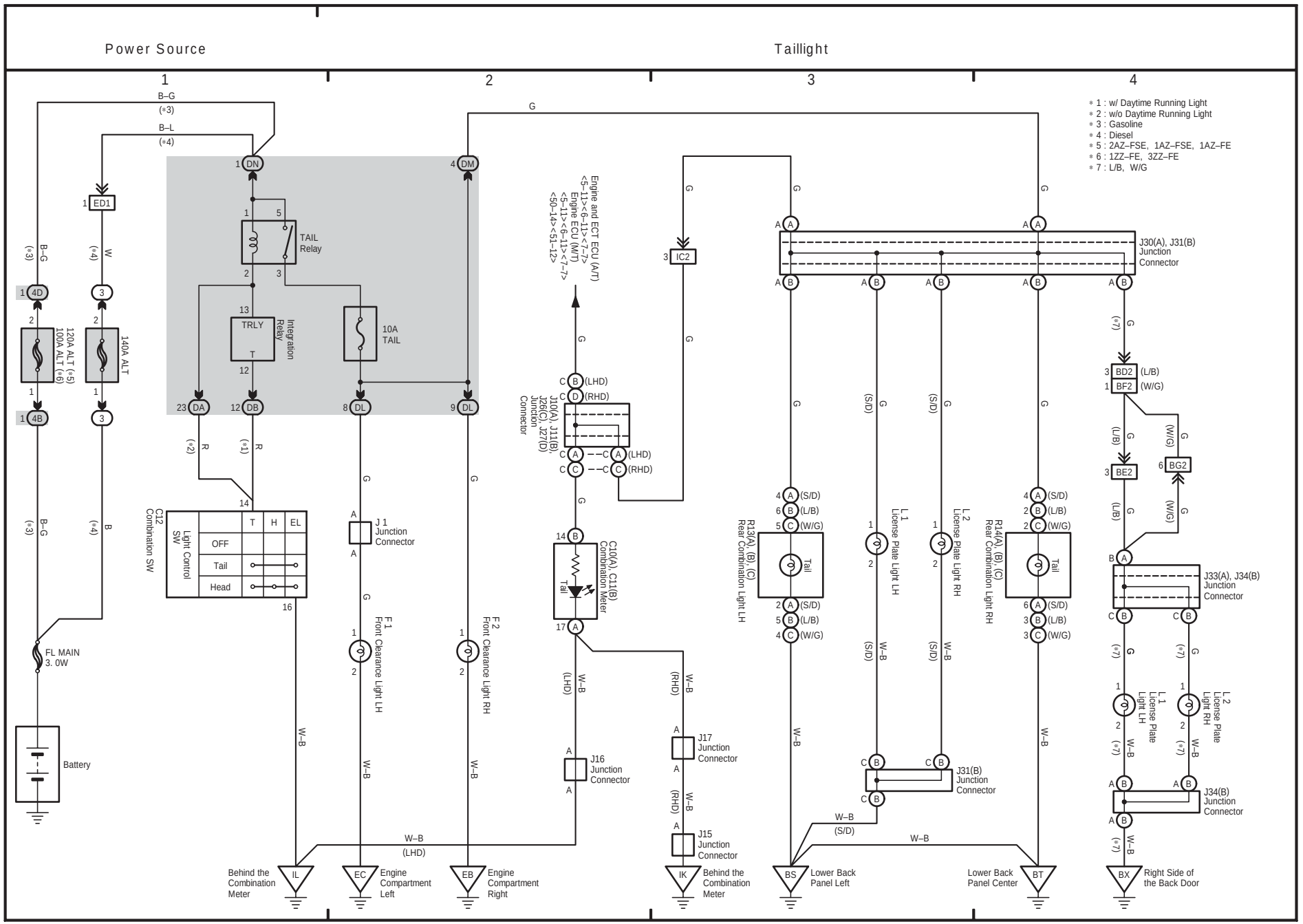


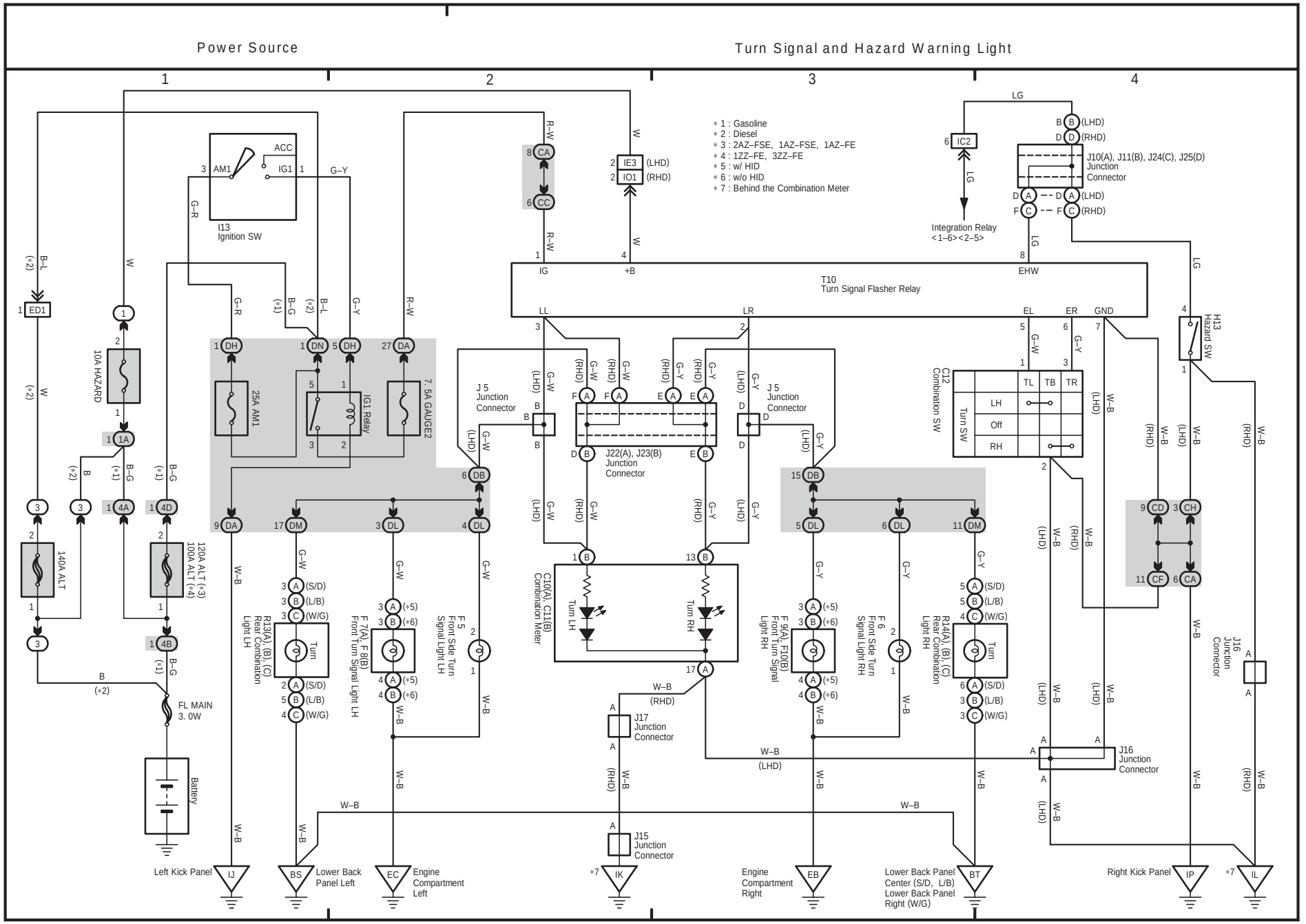
12 AVENSIS (Cont' d)

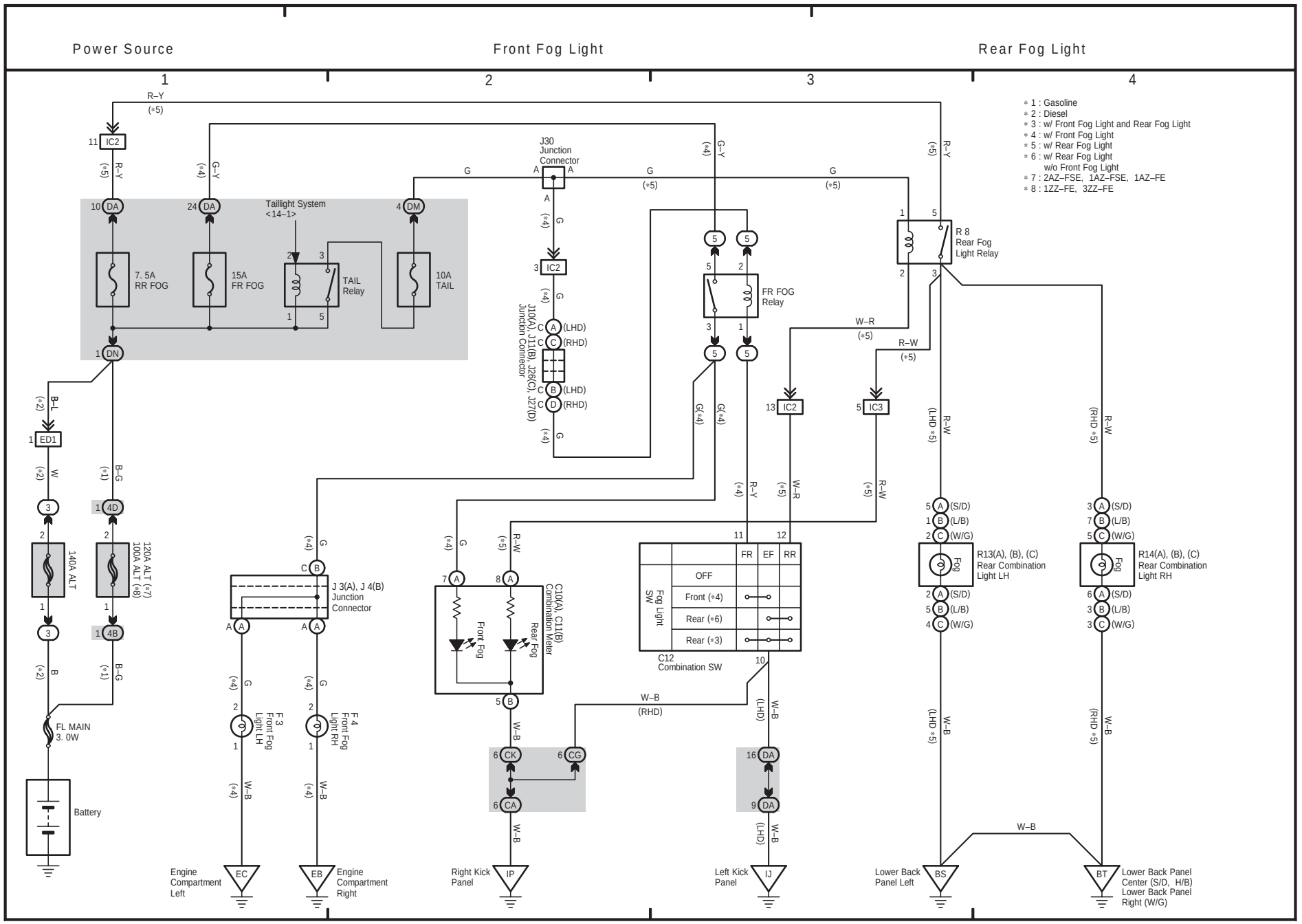


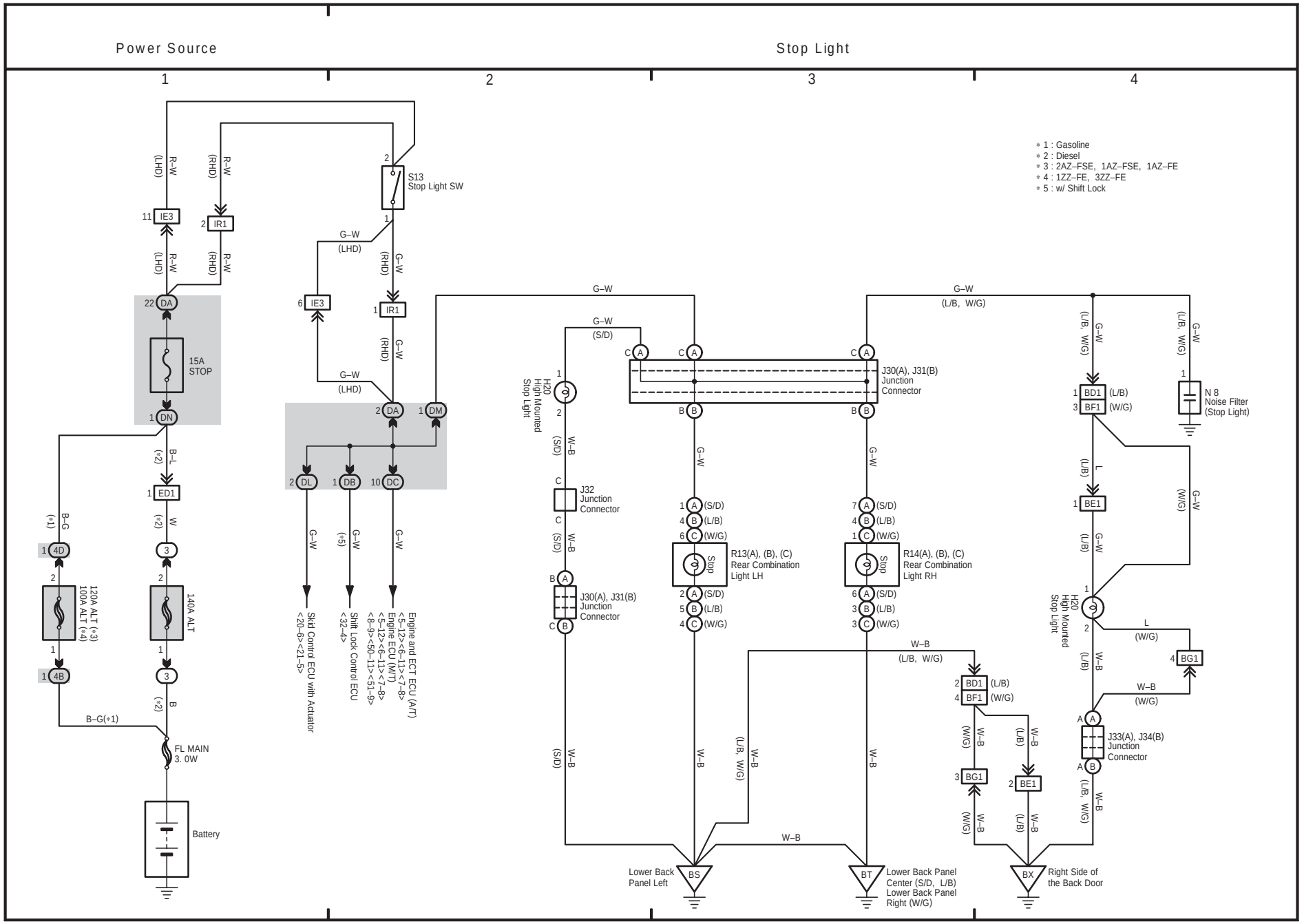

Power Source
Headlight (w/o Daytime Running Light)
1
2
3
4
W–L
W–R
(w/ HID)
W–R
W–L
2
1
3
H–LP Relay
Headlight Cleaner Relay<28–4>
Headlight Beam Level Control ECU<24–3>
Headlight Cleaner SW <28–4>
Headlight Cleaner SW <28–4><30–4>
Headlight Beam Level Control ECU<24–3>
15A H–LP LH
15A H–LP RH
10A H–LP HI LH
10A H–LP HI RH
R–Y
(*7 w/ HID)
(*4)
(LHD w/ HID)
(LHD *7)
R–L
(w/ HID)
(w/o HID)
R
R–B
W–B
R–W
J 3(A), J 4(B) Junction Connector
J29 Junction Connector
J 6(A), J 7(B) Junction Connector
J 2 Junction Connector
A/C Control Assembly <48–8><53–6>
(*3)
(*5)
(*6)
R–Y(*4)
R–Y(*6)
40A MAIN
FL MAIN 3. 0W
Battery
B
(*2)
B–G
(*1)
1A
4A
4B
C12 Combination SW
EL
T
H
HL
HU
HF
Light Control SW
OFF
Tail
Head
Dimmer SW
Flash
Low
High
F 7 Headlight Control ECU LH
F 8 Headlight LH (Low)
F 9 Headlight Control ECU RH
F10 Headlight RH (Low)
H 5 Headlight LH (High)
H 6 Headlight RH (High)
C10(A), C11(B) Combination Meter
High Beam
R–W(w/ HID)
R (w/o HID)
IL
Behind the Combination Meter
ED
Engine Compartment Left
EC
Engine Compartment Left
EB
Engine Compartment Right
EA
Engine Compartment Right
* 1 : Gasoline
* 2 : Diesel
* 3 : Power Heater (Electrical Type)
* 4 : RHD w/ HID
* 5 : LHD General, RHD w/o HID
* 6 : LHD Except General
* 7 : w/ Headlight Cleaner

14 AVENSIS

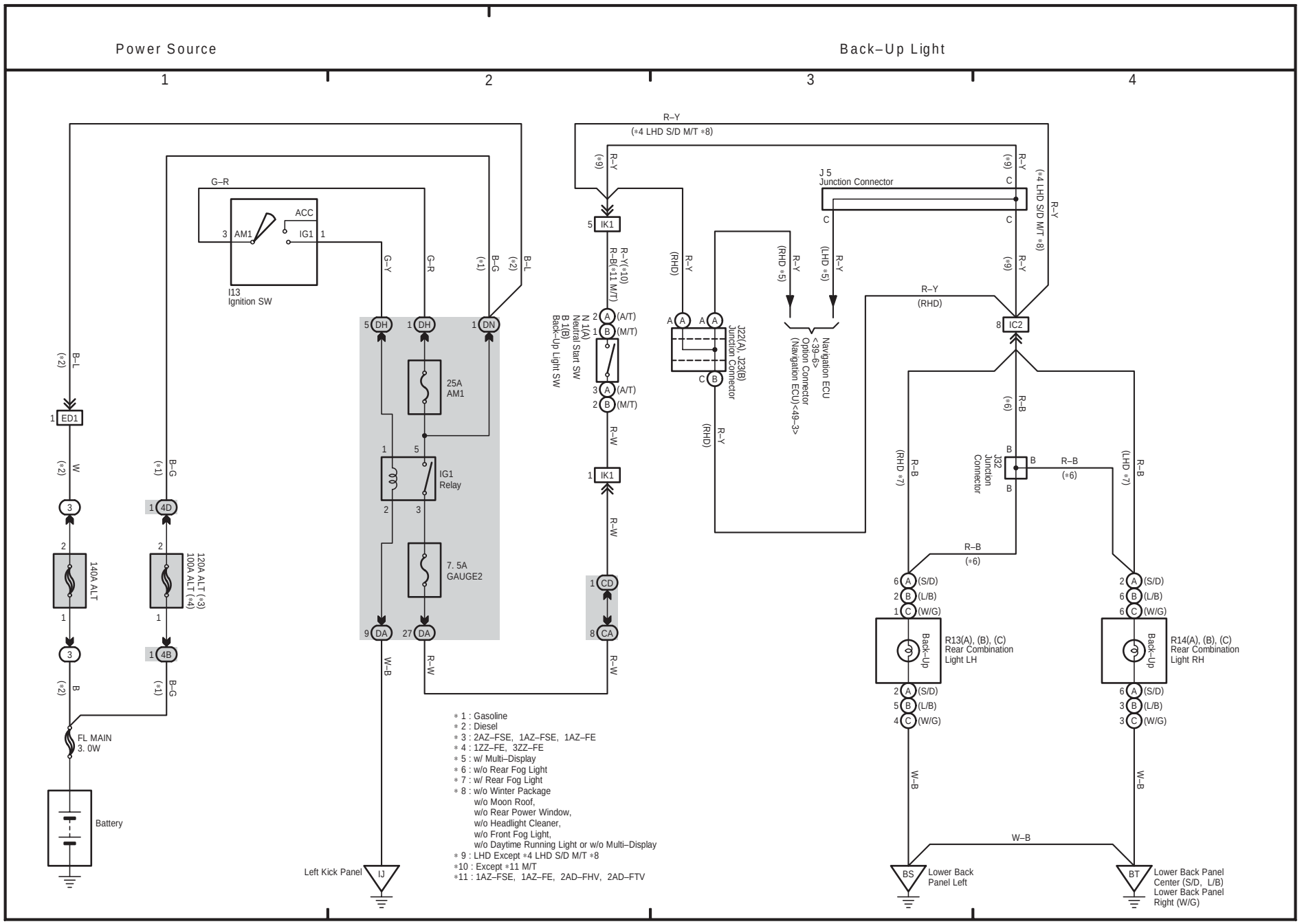

Power Source
Taillight
1
2
3
4
* 1 : w/ Daytime Running Light
* 2 : w/o Daytime Running Light
* 3 : Gasoline
* 4 : Diesel
* 5 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 6 : 1ZZ–FE, 3ZZ–FE
* 7 : L/B, W/G
B–G (*3)
B–L (*4)
TAIL Relay
TRLY
Integration Relay
10A TAIL
120A ALT (*5)
100A ALT (*6)
140A ALT
FL MAIN 3. 0W
Battery
C12 Combination SW
Light Control SW
OFF
Tail
Head
J 1 Junction Connector
F1 Front Clearance Light LH
F2 Front Clearance Light RH
Engine and ECT ECU (A/T) <5–11><6–11><7–7>
Engine ECU (M/T) <5–11><6–11><7–7>
<50–14><51–12>
J10(A), J11(B), J26(C), J27(D) Junction Connector
C10(A), C11(B) Combination Meter
J16 Junction Connector
J17 Junction Connector
J15 Junction Connector
J30(A), J31(B) Junction Connector
R13(A), (B), (C) Rear Combination Light LH
R14(A), (B), (C) Rear Combination Light RH
L1 License Plate Light LH
L2 License Plate Light RH
J31(B) Junction Connector
J33(A), J34(B) Junction Connector
J34(B) Junction Connector
Behind the Combination Meter
Engine Compartment Left
Engine Compartment Right
Behind the Combination Meter
Lower Back Panel Left
Lower Back Panel Center
Right Side of the Back Door


Power Source
Turn Signal and Hazard Warning Light
1
2
3
4
* 1 : Gasoline
* 2 : Diesel
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : w/ HID
* 6 : w/o HID
* 7 : Behind the Combination Meter
I13 Ignition SW
ACC
AM1
IG1
T10 Turn Signal Flasher Relay
IG
+B
EHW
LL
LR
EL
ER
GND
IC2
Integration Relay <1–6><2–5>
J10(A), J11(B), J24(C), J25(D) Junction Connector
(LHD)
(RHD)
H13 Hazard SW
C12 Combination SW
TL
TB
TR
LH
Off
RH
Turn SW
J 5 Junction Connector
J22(A), J23(B) Junction Connector
C10(A), C11(B) Combination Meter
Turn LH
Turn RH
J16 Junction Connector
J17 Junction Connector
J15 Junction Connector
ED1
10A HAZARD
25A AM1
IG1 Relay
7. 5A GAUGE2
140A ALT
120A ALT (*3)
100A ALT (*4)
FL MAIN 3. 0W
Battery
R13(A), (B), (C) Rear Combination Light LH
F 7(A), F 8(B) Front Turn Signal Light LH
F 5 Front Side Turn Signal Light LH
F 9(A), F10(B) Front Turn Signal Light RH
F 6 Front Side Turn Signal Light RH
R14(A), (B), (C) Rear Combination Light RH
Turn
(S/D)
(L/B)
(W/G)
Left Kick Panel
IJ
Lower Back Panel Left
BS
Engine Compartment Left
EC
Engine Compartment Right
EB
Lower Back Panel Center (S/D, L/B) Lower Back Panel Right (W/G)
BT
Right Kick Panel
IP
IK
IL


Power Source
Front Fog Light
Rear Fog Light
1
2
3
4
* 1 : Gasoline
* 2 : Diesel
* 3 : w/ Front Fog Light and Rear Fog Light
* 4 : w/ Front Fog Light
* 5 : w/ Rear Fog Light
* 6 : w/ Rear Fog Light w/o Front Fog Light
* 7 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 8 : 1ZZ–FE, 3ZZ–FE
R–Y (*5)
IC2
G–Y (*4)
J30 Junction Connector
Taillight System <14–1>
7. 5A RR FOG
15A FR FOG
TAIL Relay
10A TAIL
DA
DM
DN
R 8 Rear Fog Light Relay
FR FOG Relay
J10(A), J11(B), J26(C), J27(D) Junction Connector
(LHD)
(RHD)
W–R (*5)
R–W (*5)
IC3
B–L (*2)
ED1
W (*2)
B–G (*1)
4D
4B
140A ALT
120A ALT (*7)
100A ALT (*8)
B (*2)
FL MAIN 3. 0W
Battery
J 3(A), J 4(B) Junction Connector
F 3 Front Fog Light LH
F 4 Front Fog Light RH
W–B (*4)
C10(A), C11(B) Combination Meter
Front Fog
Rear Fog
R–W (*5)
R–Y (*4)
W–R (*5)
C12 Combination SW
Fog Light SW
OFF
Front (*4)
Rear (*6)
Rear (*3)
FR
EF
RR
W–B (RHD)
W–B (LHD)
CK
CG
CA
DA
R13(A), (B), (C) Rear Combination Light LH
R14(A), (B), (C) Rear Combination Light RH
(S/D)
(L/B)
(W/G)
Fog
R–W (LHD *5)
R–W (RHD *5)
W–B (LHD *5)
W–B (RHD *5)
W–B
Engine Compartment Left
EC
Engine Compartment Right
EB
Right Kick Panel
IP
Left Kick Panel
IJ
Lower Back Panel Left
BS
BT
Lower Back Panel Center (S/D, H/B)
Lower Back Panel Right (W/G)


Power Source
Stop Light
1
2
3
4
* 1 : Gasoline
* 2 : Diesel
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : w/ Shift Lock
S13
Stop Light SW
15A
STOP
FL MAIN
3. 0W
Battery
120A ALT (*3)
100A ALT (*4)
140A ALT
Skid Control ECU with Actuator
<20–6><21–5>
Shift Lock Control ECU
<32–4>
Engine and ECT ECU (A/T)
<5–12><6–11><7–8>
Engine ECU (M/T)
<5–12><6–11><7–8>
<8–9><30–11><51–9>
H20
High Mounted
Stop Light
J32
Junction
Connector
J30(A), J31(B)
Junction
Connector
R13(A), (B), (C)
Rear Combination
Light LH
R14(A), (B), (C)
Rear Combination
Light RH
N 8
Noise Filter
(Stop Light)
J33(A), J34(B)
Junction
Connector
Lower Back
Panel Left
Lower Back Panel
Center (S/D, L/B)
Lower Back Panel
Right (W/G)
Right Side of
the Back Door

18 AVENSIS


Power Source
Back–Up Light
1
2
3
4
G–R
ACC
3 AM1
IG1 1
I13
Ignition SW
G–Y
G–R
B–G (*1)
B–L (*2)
B–L (*2)
1 ED1
W (*2)
3
2
140A ALT
1
3
B (*2)
FL MAIN
3. 0W
Battery
B–G (*1)
1 4D
2
120A ALT (*3)
100A ALT (*4)
1
1 4B
B–G (*1)
5 DH
1 DH
1 DN
25A
AM1
1
5
IG1
Relay
2
3
7. 5A
GAUGE2
9 DA
27 DA
W–B
R–W
Left Kick Panel
IJ
R–Y
(*4 LHD S/D M/T *8)
R–Y (*9)
5 IK1
R–Y (*10)
R–B (*11 M/T)
2 A (A/T)
1 B (M/T)
N 1(A)
Neutral Start SW
B 1(B)
Back–Up Light SW
3 A (A/T)
2 B (M/T)
R–W
1 IK1
R–W
1 CD
8 CA
R–W
R–Y (RHD)
A A A
J22(A), J23(B)
Junction Connector
C B
R–Y (RHD)
R–Y (RHD *5)
R–Y (LHD *5)
Navigation ECU
<39–6>
Option Connector
(Navigation ECU)<49–3>
J 5
Junction Connector
C
C
R–Y (*9)
R–Y (*9)
C
R–Y (*4 LHD S/D M/T *8)
R–Y
(RHD)
8 IC2
R–B (*6)
B
J32
Junction
Connector
B
B
R–B (*6)
R–B (RHD *7)
R–B (LHD *7)
R–B (*6)
6 A (S/D)
2 B (L/B)
1 C (W/G)
Back–Up
R13(A), (B), (C)
Rear Combination
Light LH
2 A (S/D)
5 B (L/B)
4 C (W/G)
2 A (S/D)
6 B (L/B)
6 C (W/G)
Back–Up
R14(A), (B), (C)
Rear Combination
Light RH
6 A (S/D)
3 B (L/B)
3 C (W/G)
W–B
W–B
W–B
BS
Lower Back
Panel Left
BT
Lower Back Panel
Center (S/D, L/B)
Lower Back Panel
Right (W/G)
* 1 : Gasoline
* 2 : Diesel
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : w/ Multi–Display
* 6 : w/o Rear Fog Light
* 7 : w/ Rear Fog Light
* 8 : w/o Winter Package
w/o Moon Roof,
w/o Rear Power Window,
w/o Headlight Cleaner,
w/o Front Fog Light,
w/o Daytime Running Light or w/o Multi–Display
* 9 : LHD Except *4 LHD S/D M/T *8
*10 : Except *11 M/T
*11 : 1AZ–FSE, 1AZ–FE, 2AD–FHV, 2AD–FTV

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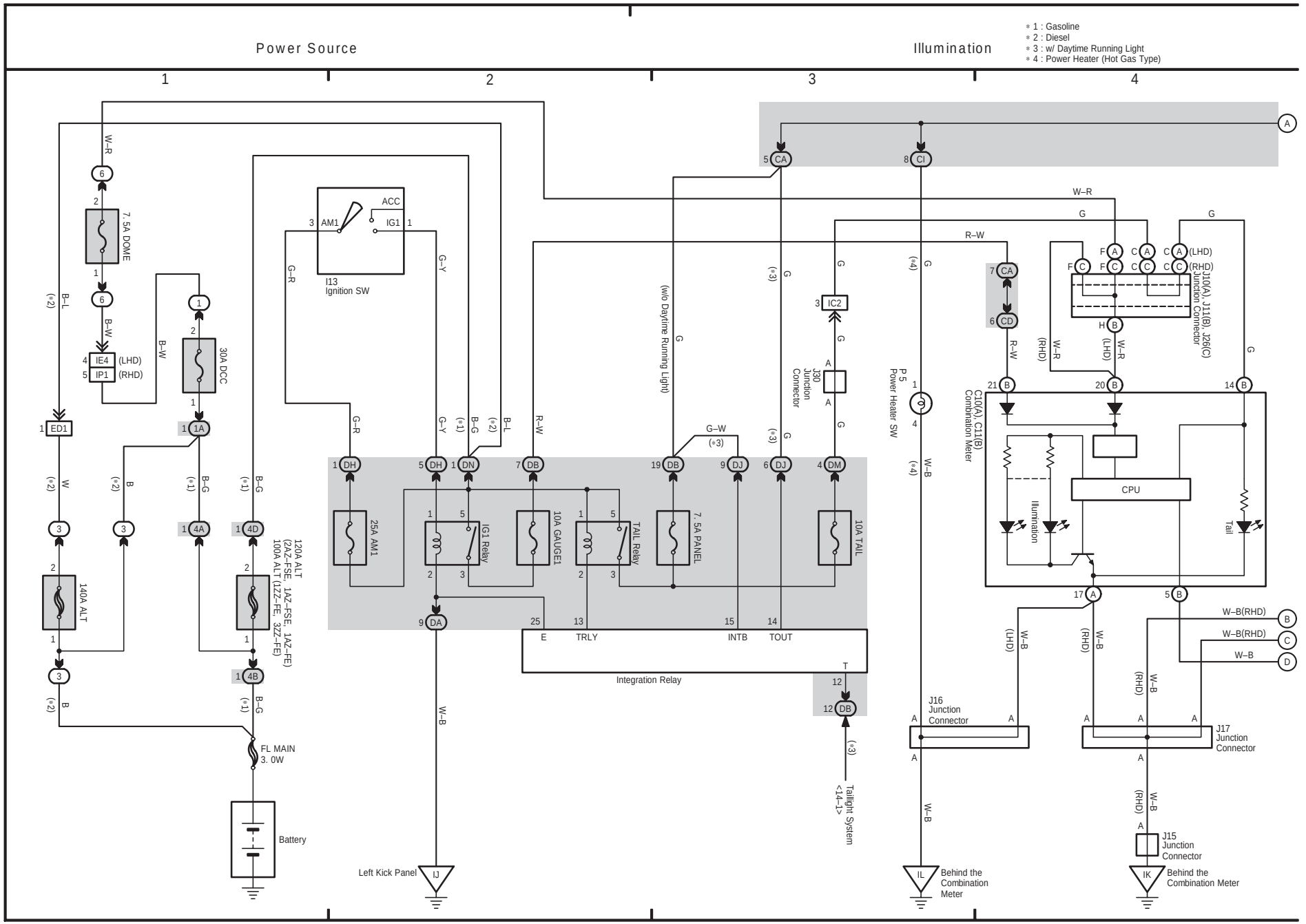

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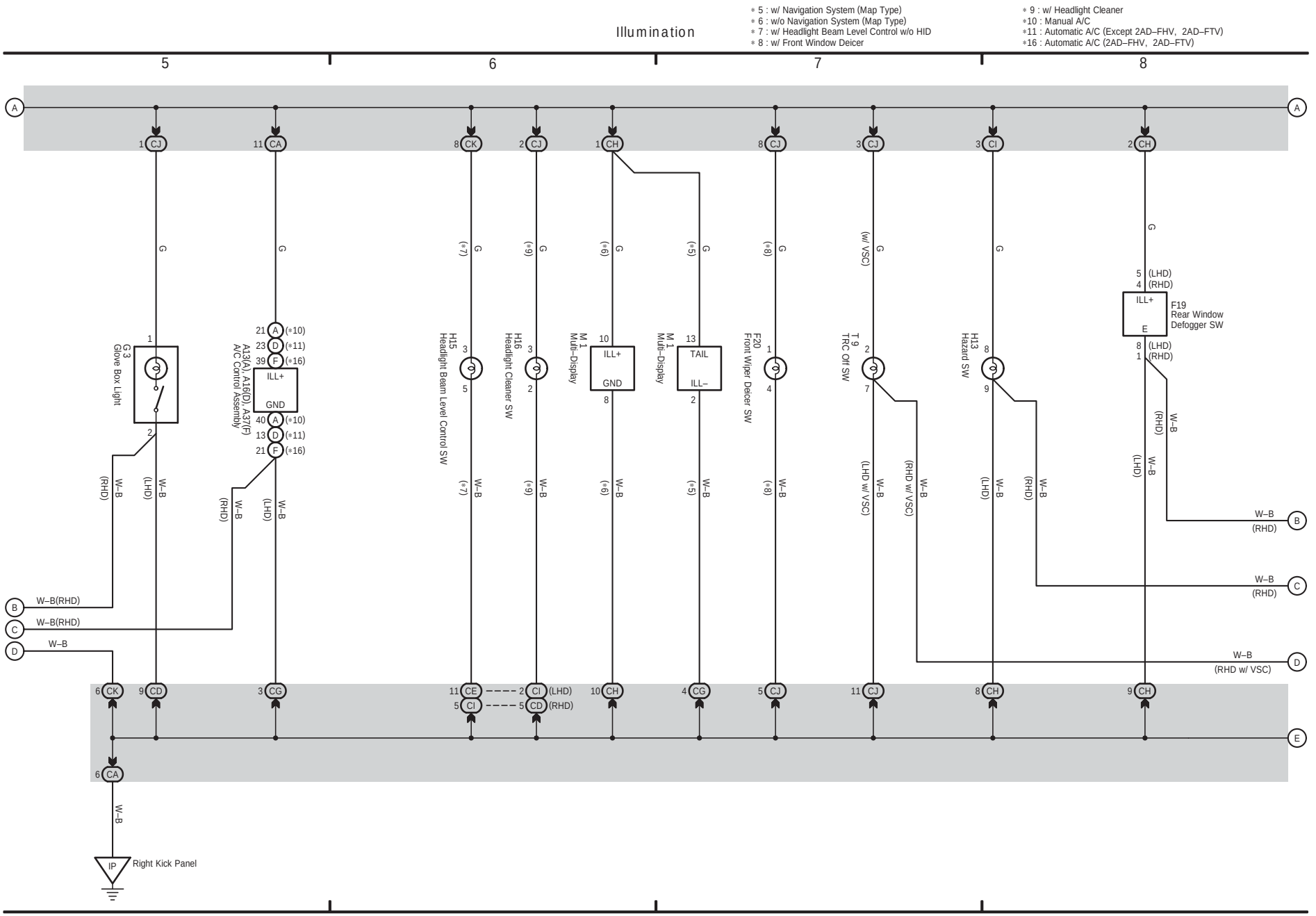
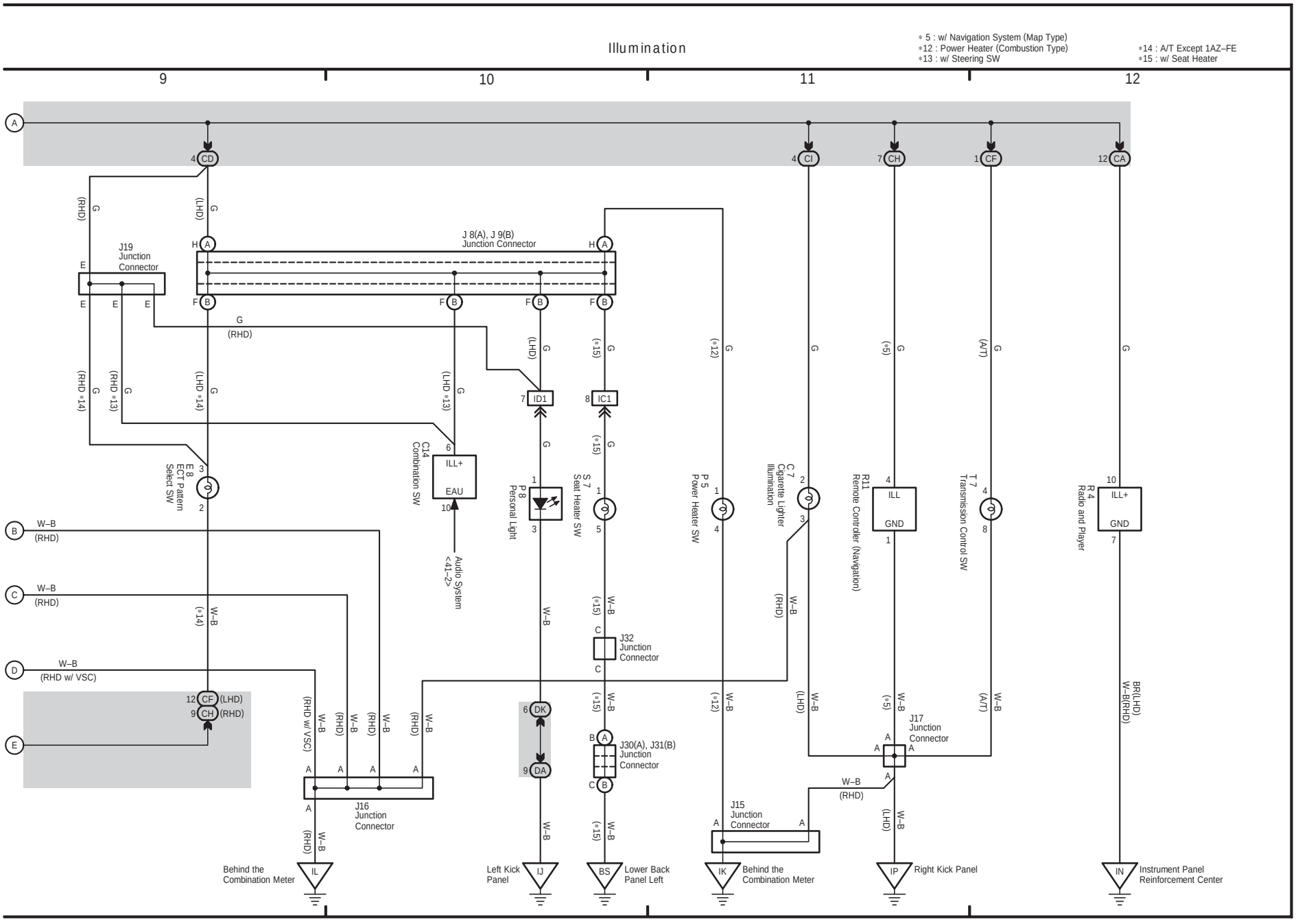


19 AVENSIS (Cont' d)



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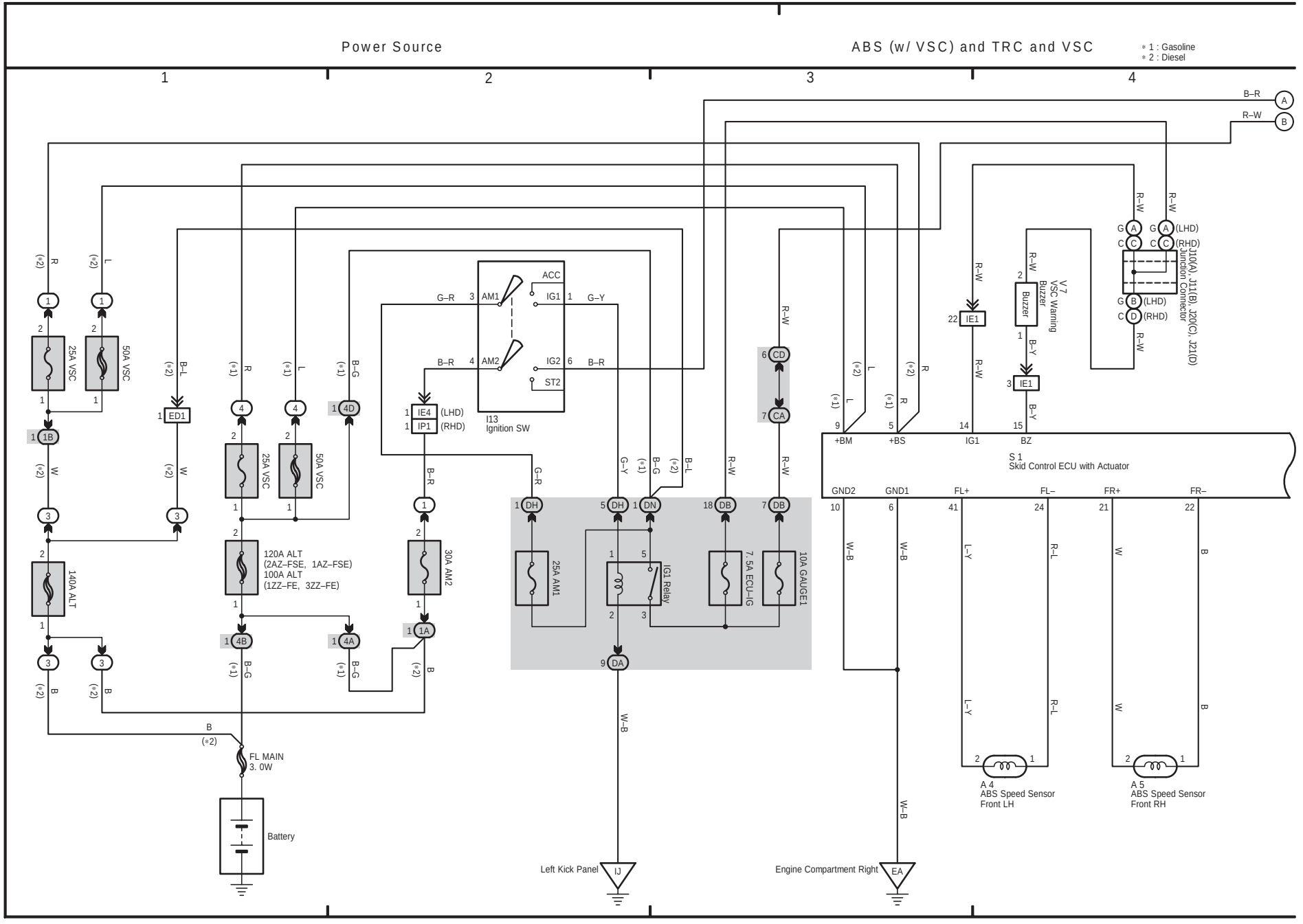
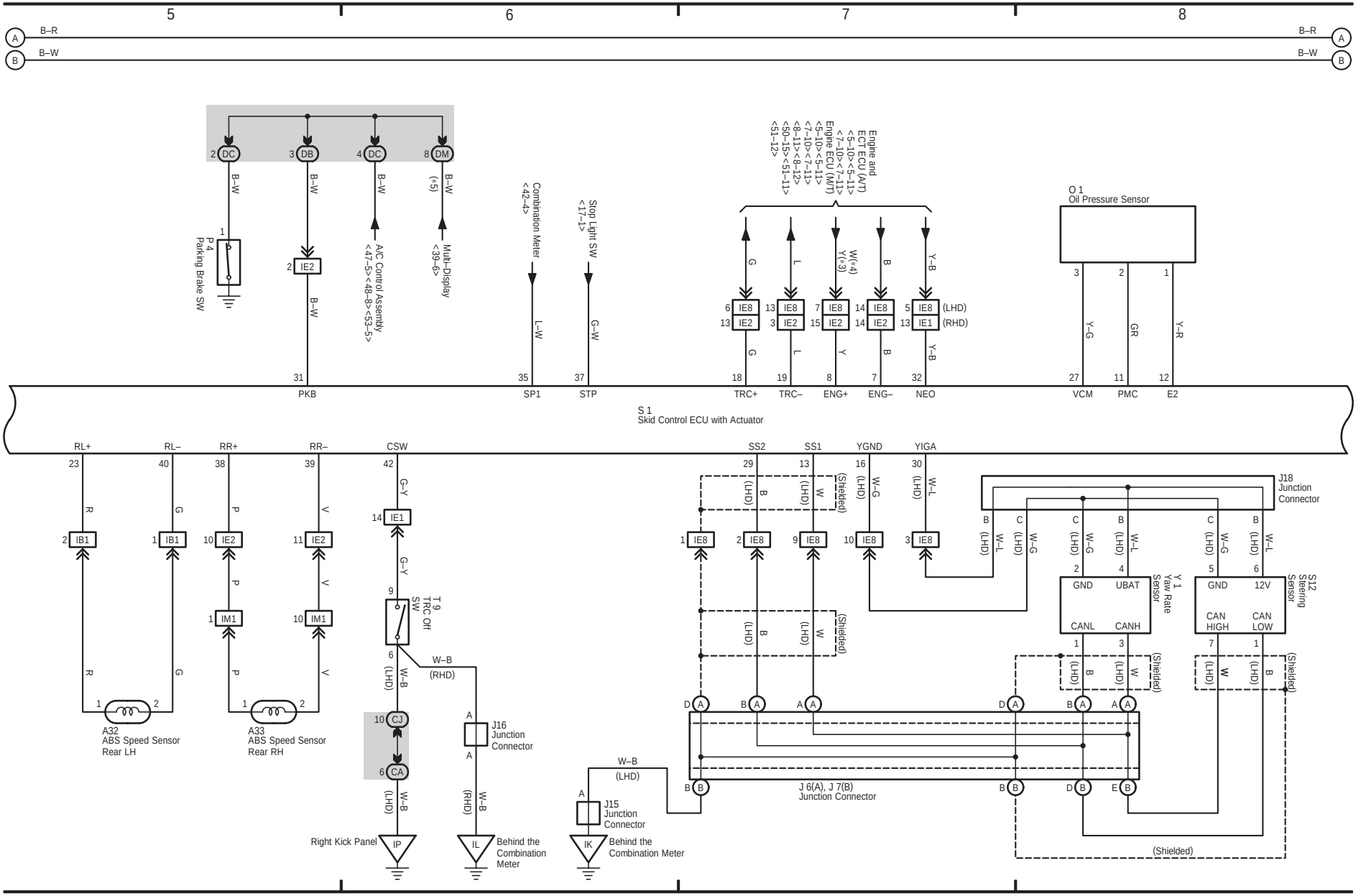
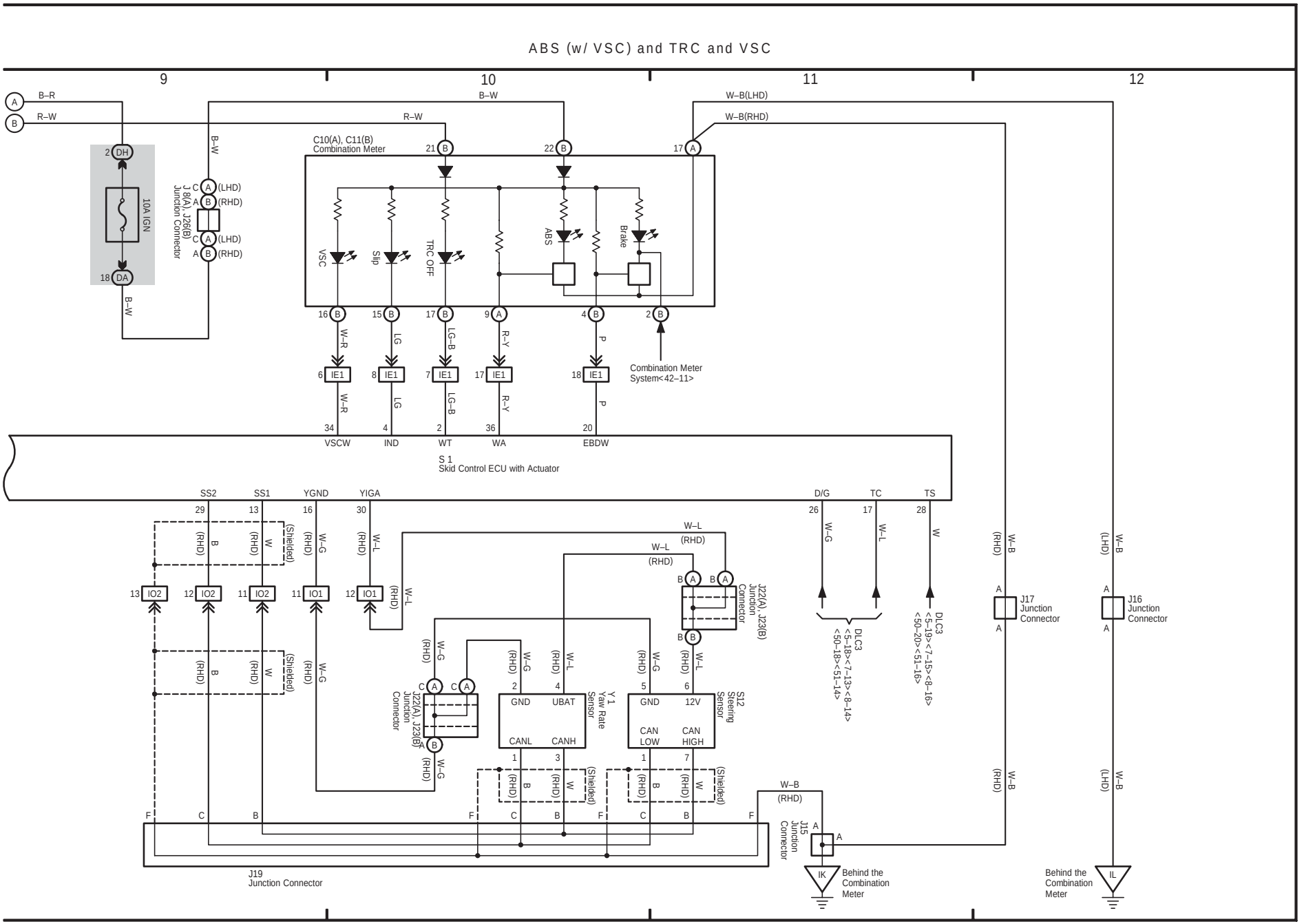


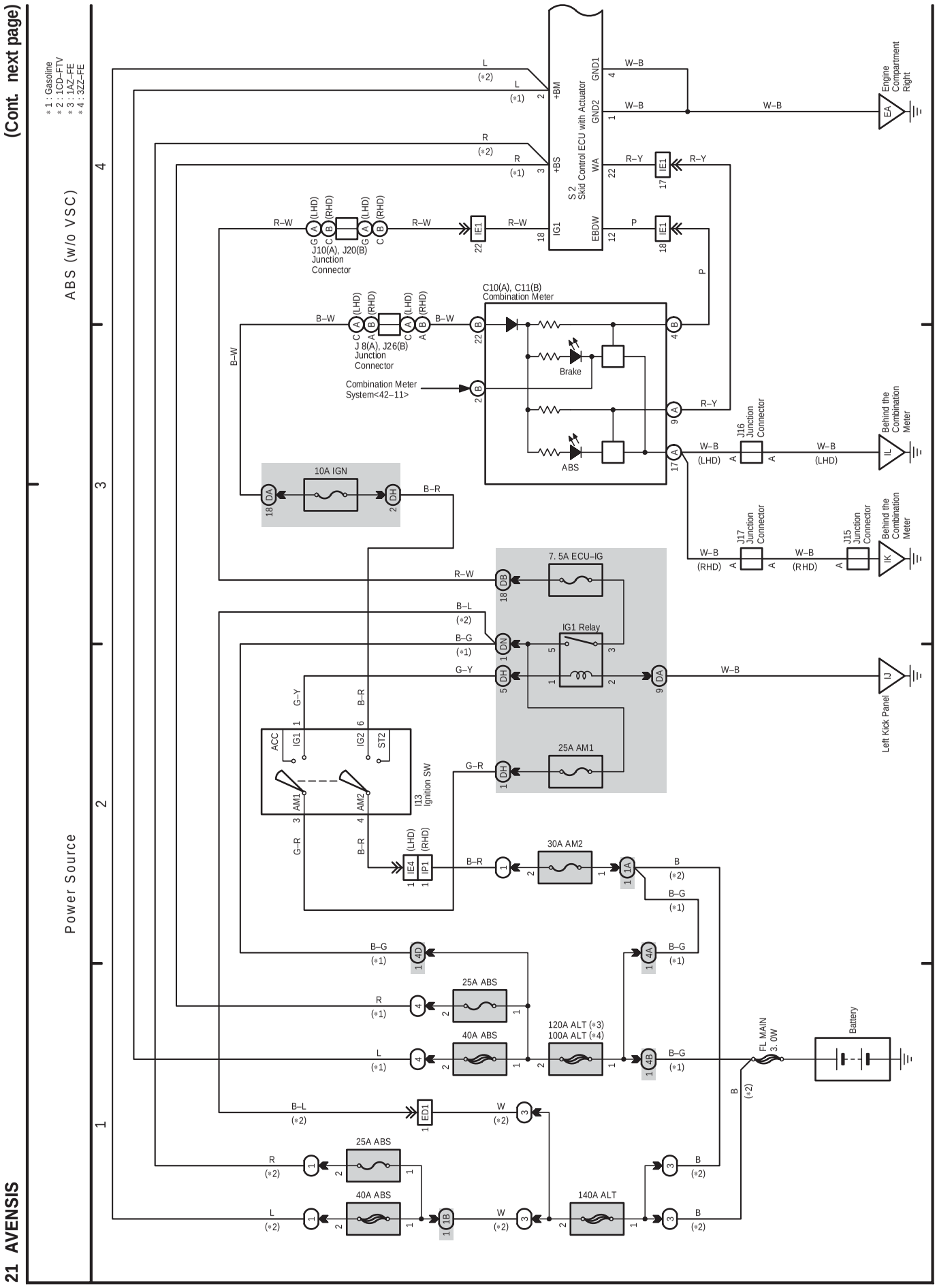
(Cont. next page)

ABS (w/ VSC) and TRC and VSC

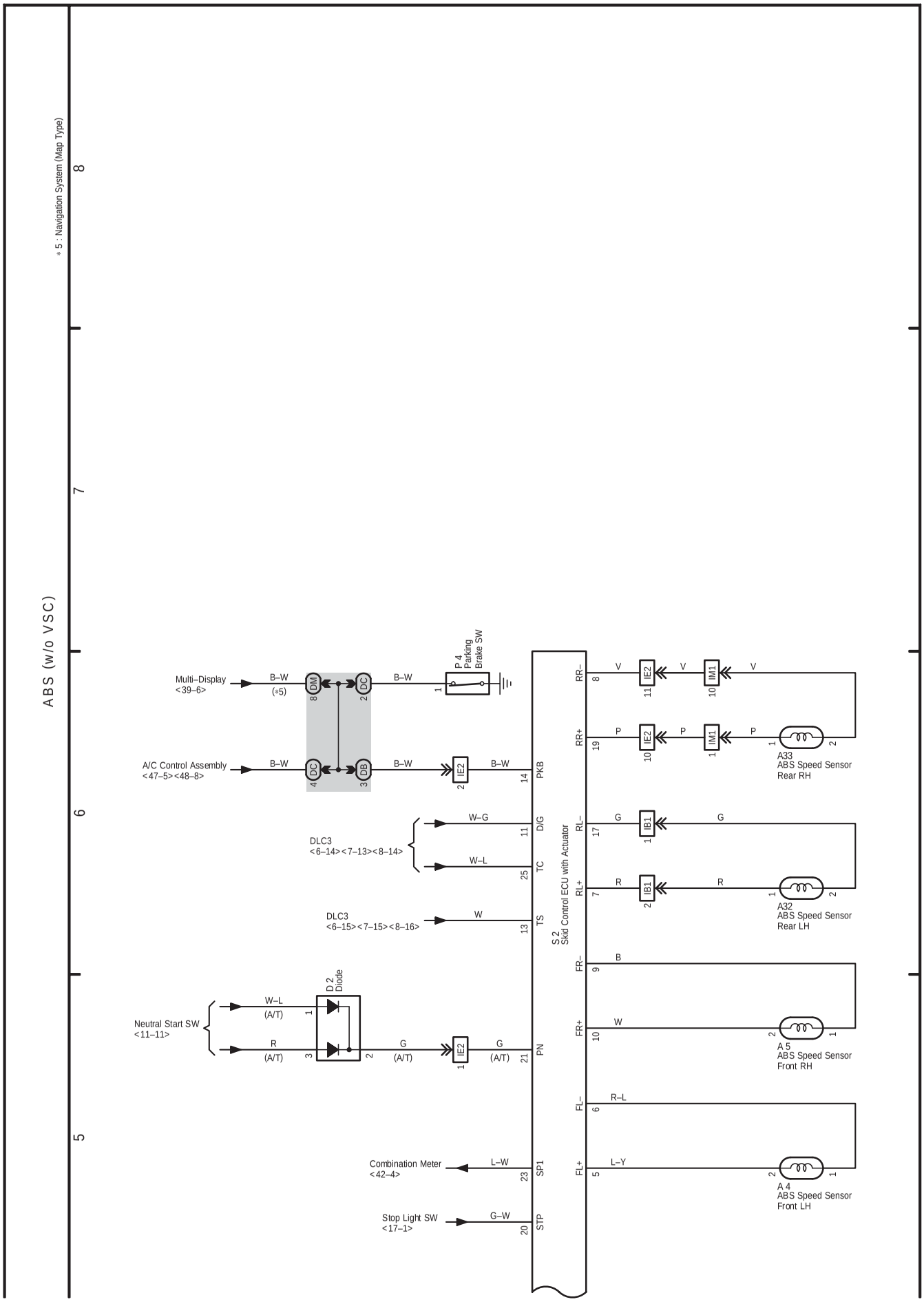
∗ 3 : LHD, RHD 1CD–FTV, RHD 2AD–FHV, RHD 2AD–FTV
∗ 4 : Except ∗3
∗ 5 : w/ Navigation System (Map Type)



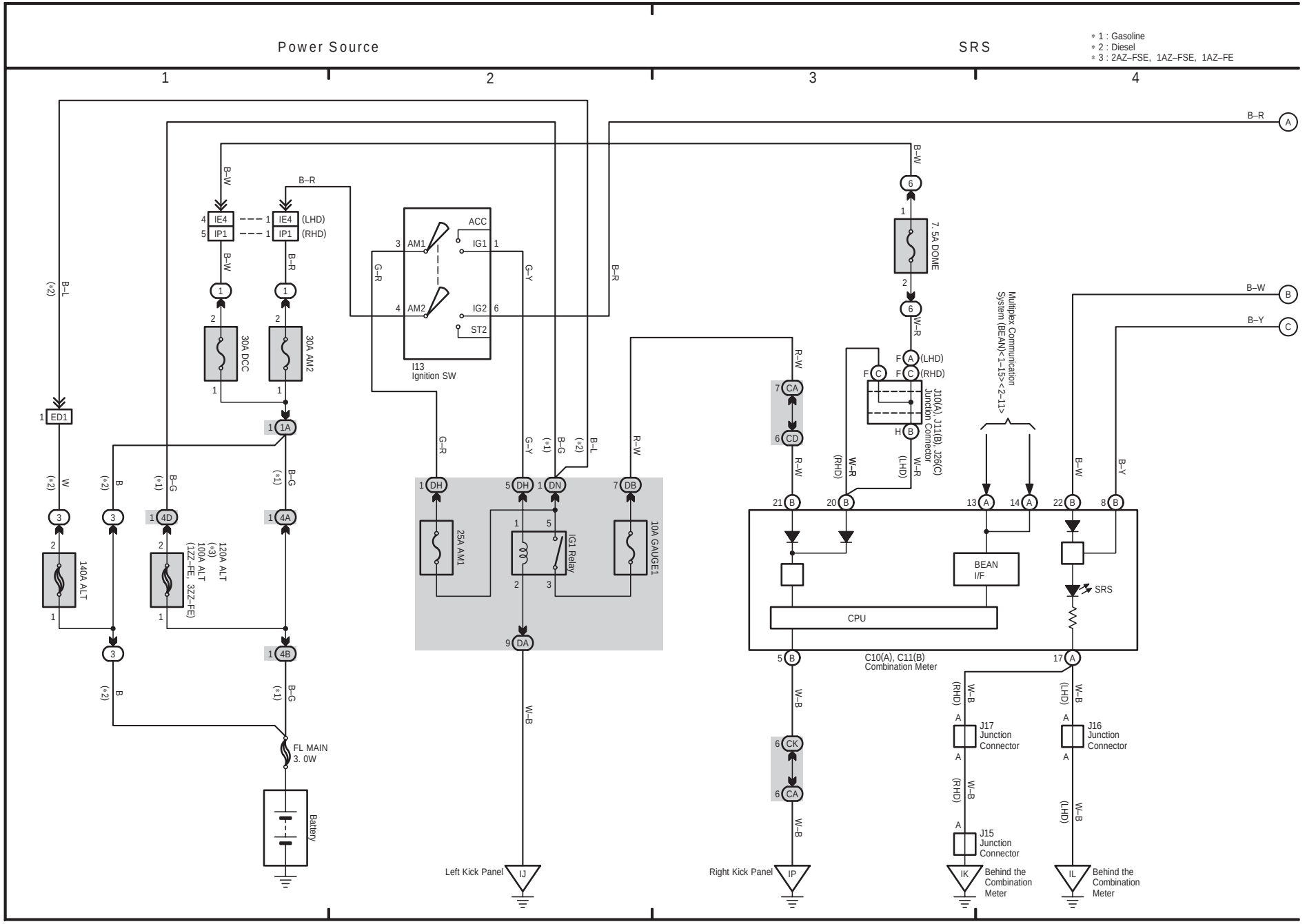

ABS (w/ VSC) and TRC and VSC
9
10
11
12
B–R
R–W
B–W
W–B(LHD)
W–B(RHD)
2 DH
18 DA
10A IGN
B–W
J8(A), J26(B) Junction Connector
C10(A), C11(B) Combination Meter
VSC
Slip
TRC OFF
ABS
Brake
W–R
LG
LG–B
R–Y
P
IE1
VSCW
IND
WT
WA
EBDW
Combination Meter System<42–11>
S1 Skid Control ECU with Actuator
SS2
SS1
YGND
YIGA
D/G
TC
TS
IO2
IO1
(Shielded)
J22(A), J23(B) Junction Connector
Y1 Yaw Rate Sensor
GND
UBAT
CANL
CANH
S12 Steering Sensor
12V
CAN LOW
CAN HIGH
DLC3 <5–18><7–13><8–14> <50–18><51–14>
DLC3 <5–19><7–15><8–16> <50–20><51–16>
J17 Junction Connector
J16 Junction Connector
J15 Junction Connector
J19 Junction Connector
Behind the Combination Meter
Behind the Combination Meter


(Cont. next page)
*1 : Gasoline
*2 : 1CD-FTV
*3 : 1AZ-FE
*4 : 3ZZ-FE
ABS (w/o VSC)
Power Source
21 AVENSIS
S 2
Skid Control ECU with Actuator
+BM
+BS
IG1
GND1
GND2
WA
EBDW
Engine Compartment Right
EA
IE1
J10(A), J20(B) Junction Connector
J 8(A), J26(B) Junction Connector
C10(A), C11(B) Combination Meter
Brake
ABS
Combination Meter System<42–11>
10A IGN
7. 5A ECU–IG
IG1 Relay
25A AM1
30A AM2
I13 Ignition SW
ACC
IG1
IG2
ST2
AM1
AM2
25A ABS
40A ABS
120A ALT (*3)
100A ALT (*4)
140A ALT
ED1
FL MAIN 3. 0W
Battery
J16 Junction Connector
J17 Junction Connector
J15 Junction Connector
Behind the Combination Meter
IL
IK
IJ
Left Kick Panel
(LHD)
(RHD)

21 AVENSIS (Cont' d)



22 AVENSIS



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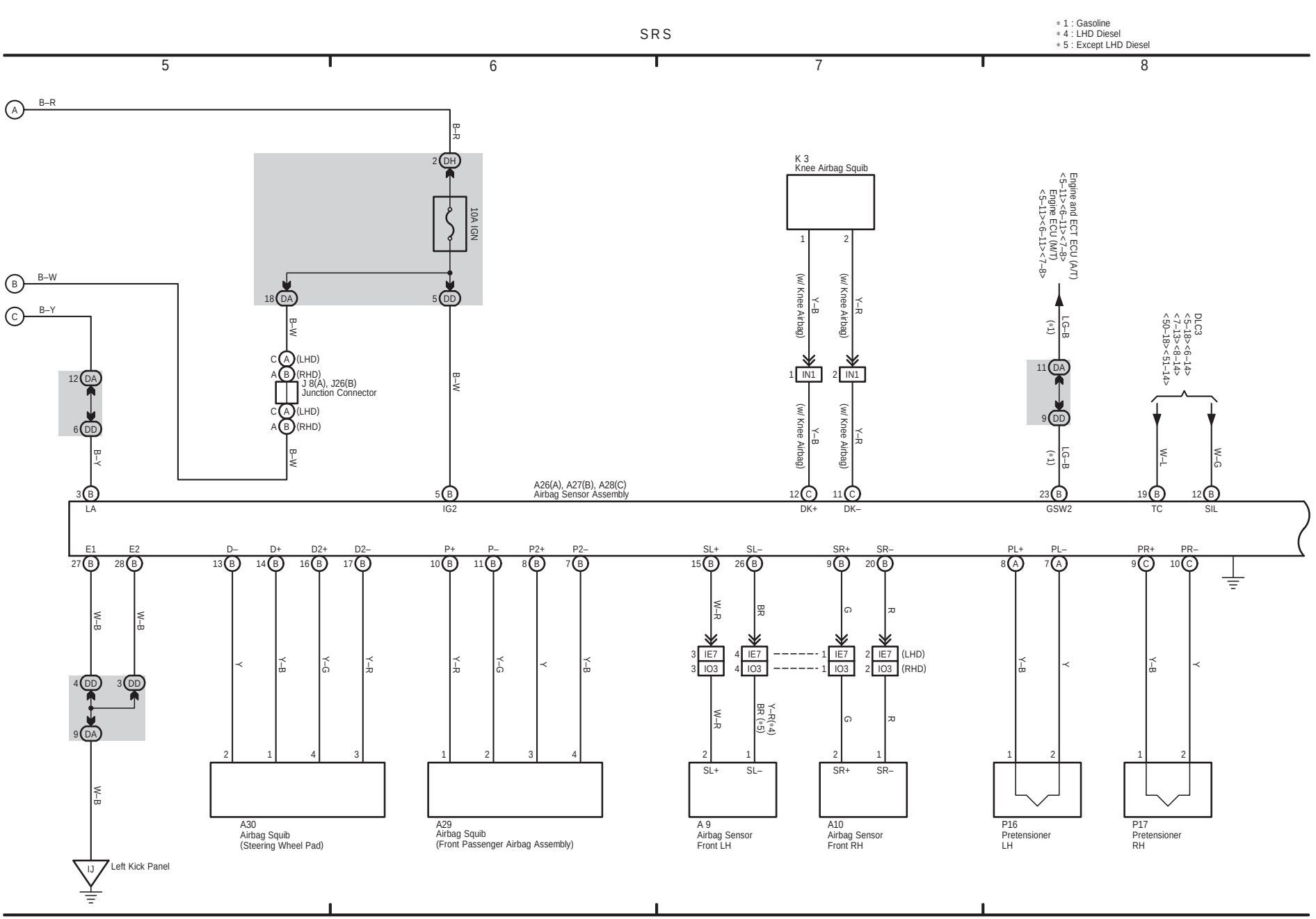
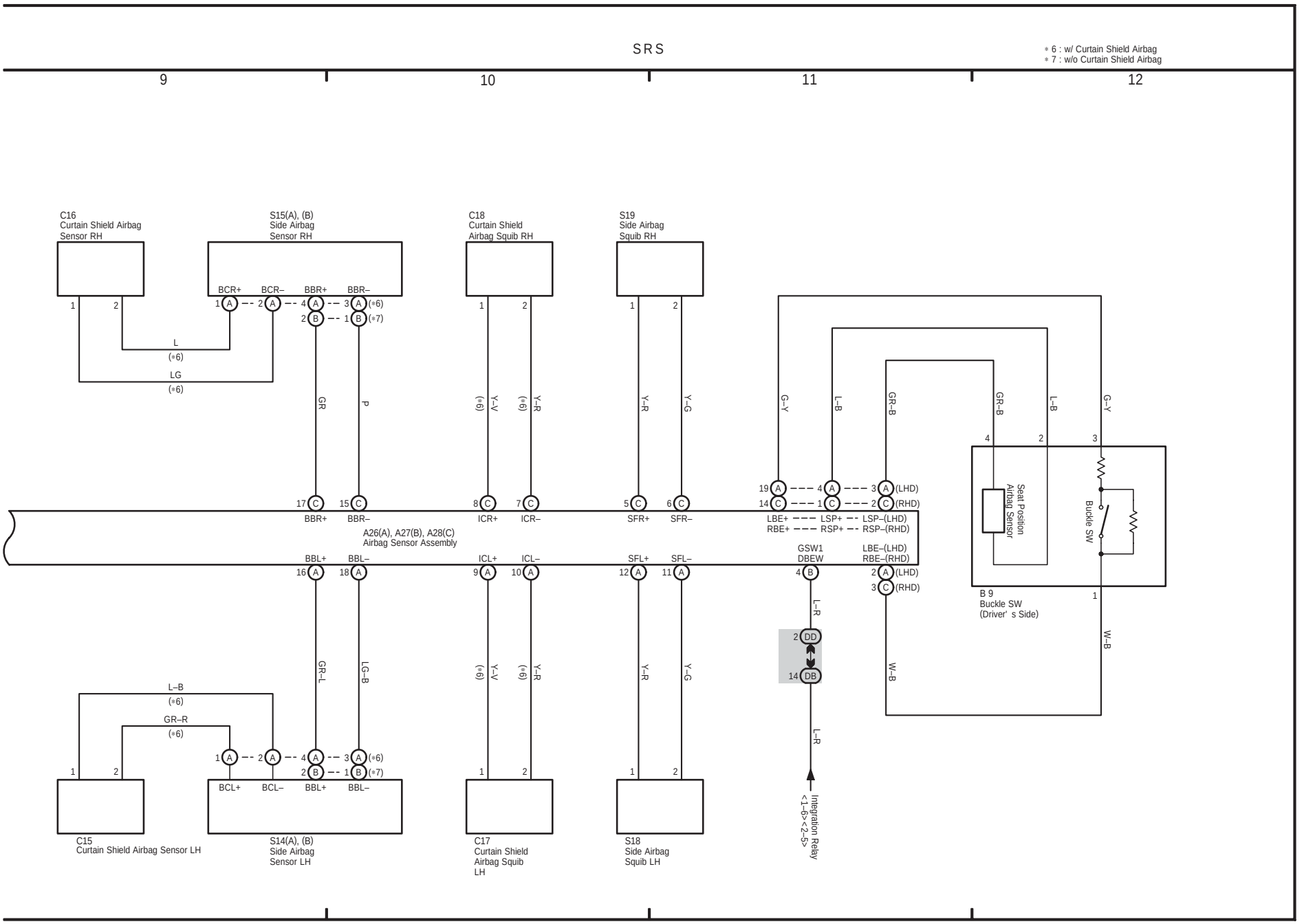
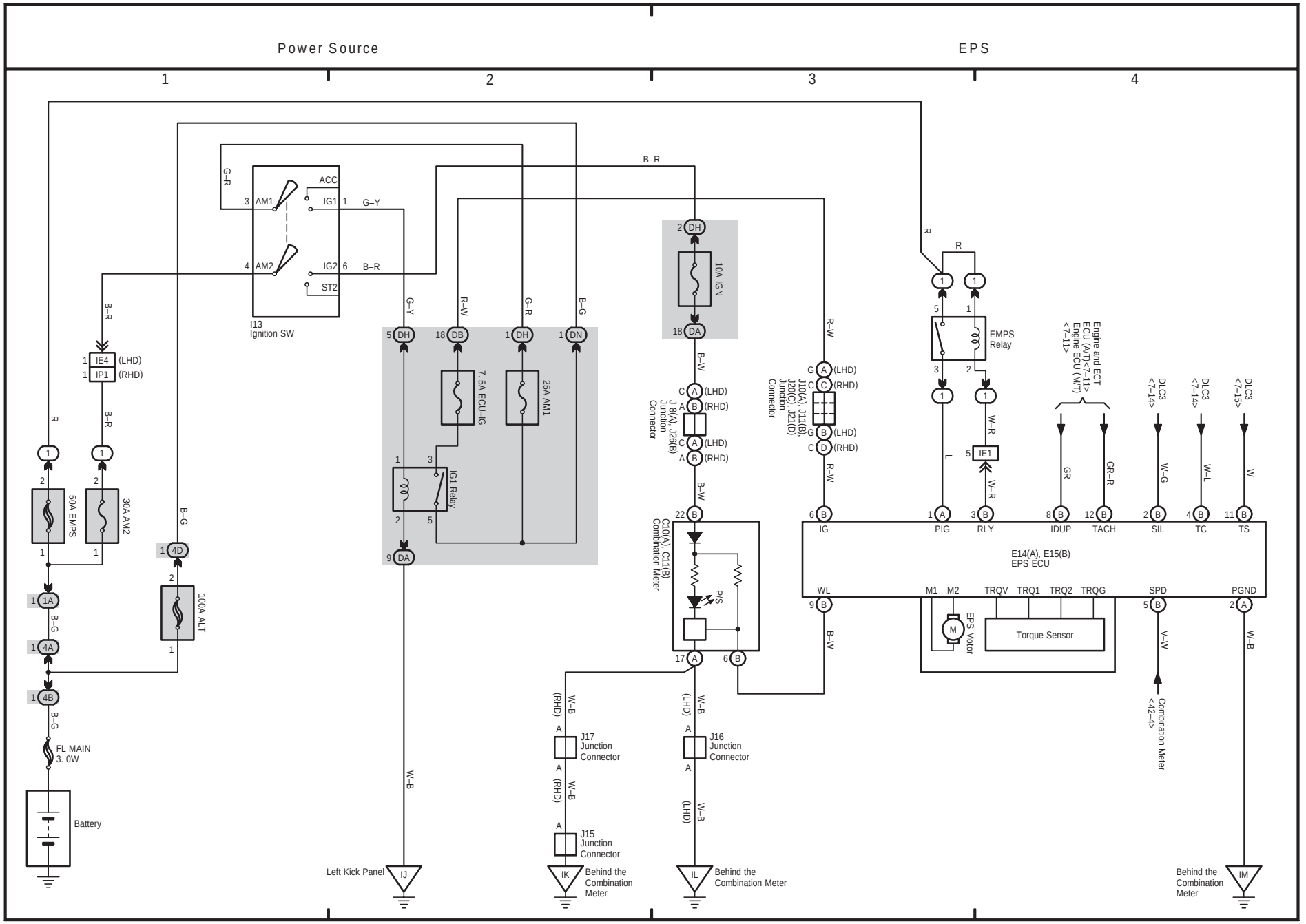
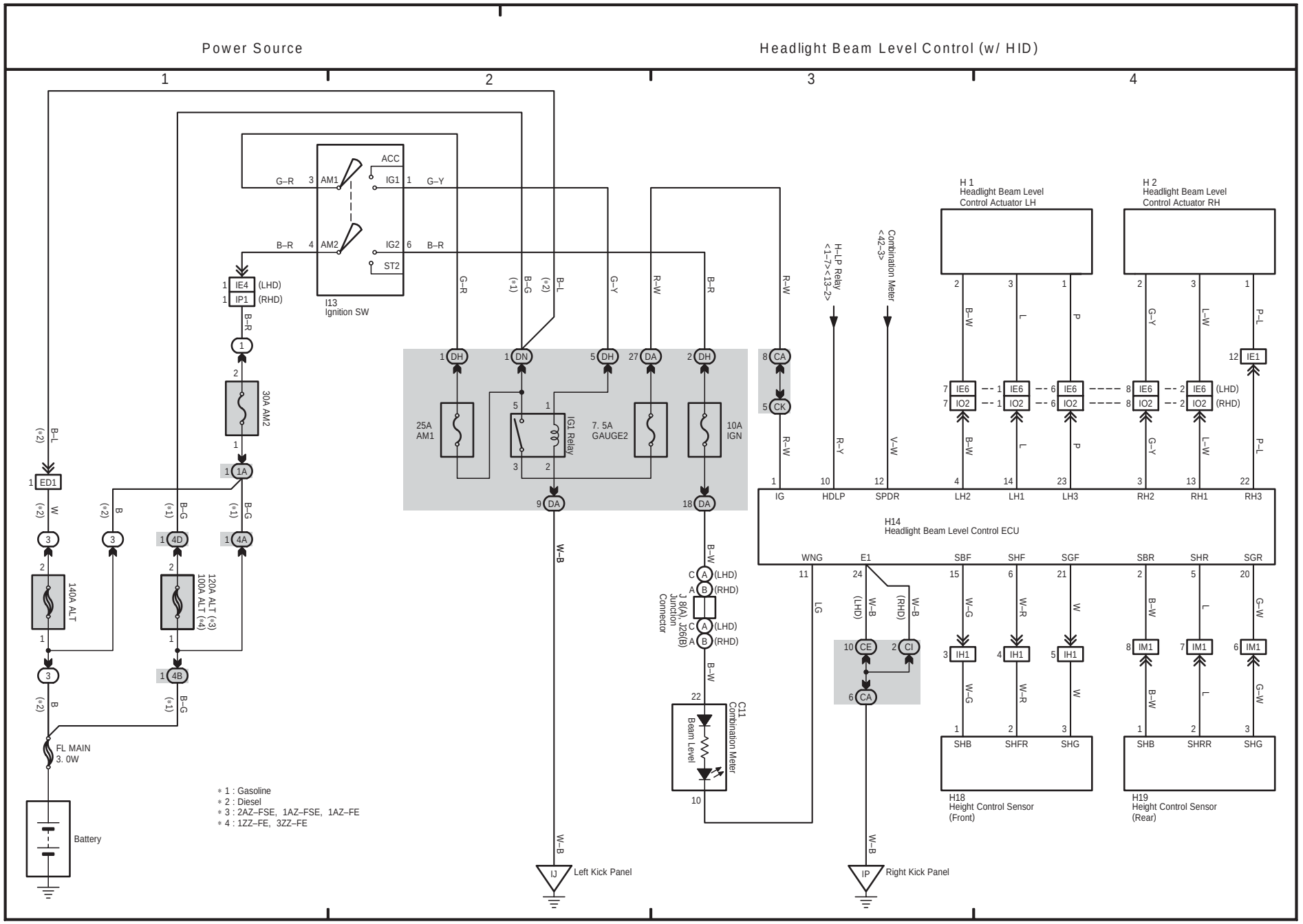
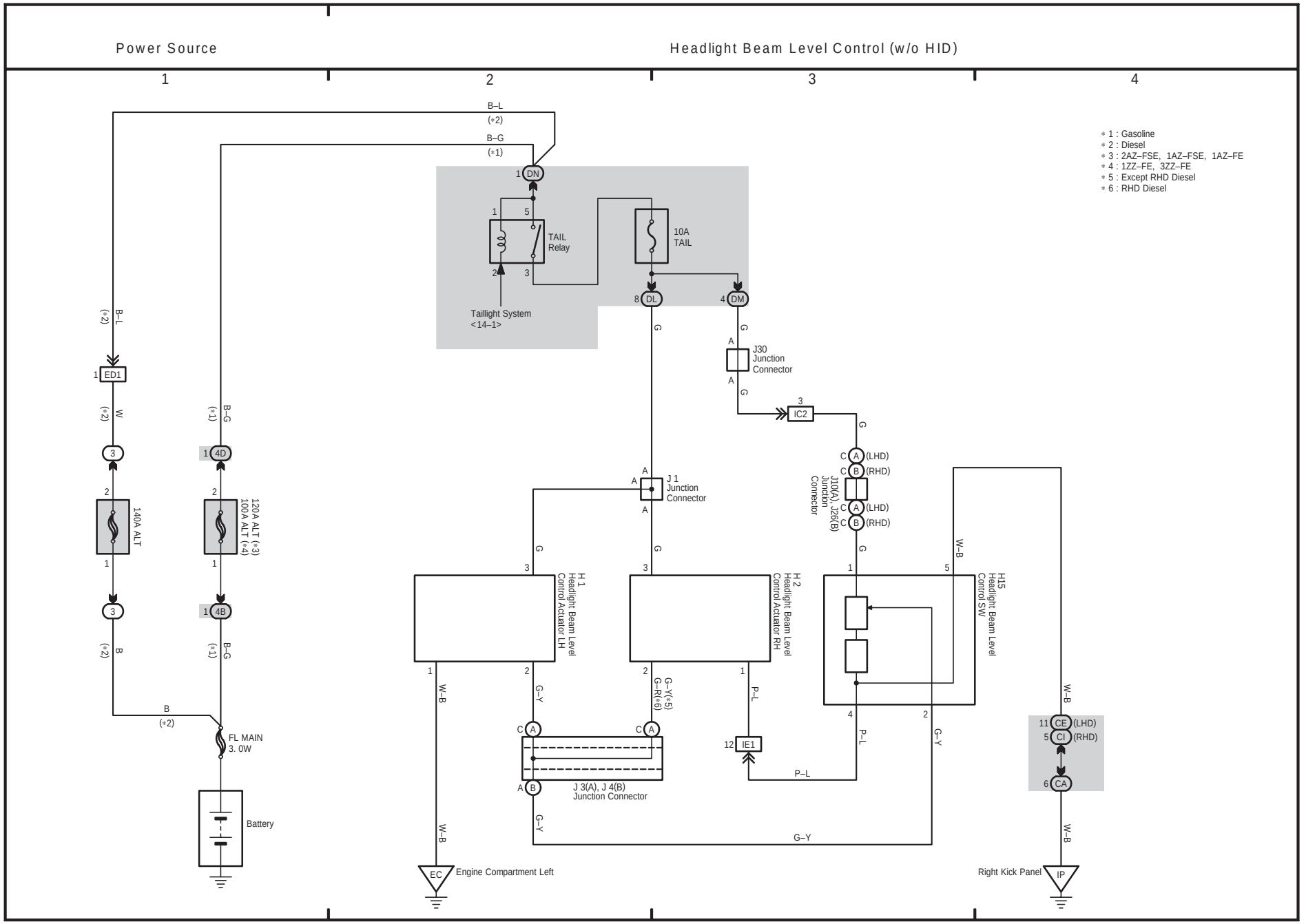


22 AVENSIS (Cont' d)




Power Source
EPS
1
2
3
4
ACC
IG1
IG2
ST2
AM1
AM2
I13
Ignition SW
G–R
G–Y
B–R
R–W
G–R
B–G
10A IGN
7. 5A ECU–IG
25A AM1
IG1 Relay
50A EMPS
30A AM2
100A ALT
FL MAIN
3. 0W
Battery
Left Kick Panel
IJ
IE4
IP1
(LHD)
(RHD)
J8(A), J26(B)
Junction
Connector
J10(A), J11(B),
J20(C), J21(D)
Junction
Connector
C10(A), C11(B)
Combination Meter
P/S
J17
Junction
Connector
J15
Junction
Connector
IK
Behind the
Combination
Meter
J16
Junction
Connector
IL
Behind the
Combination Meter
EMPS
Relay
IE1
Engine and ECT
ECU (A/T)<7–11>
Engine ECU (M/T)
<7–11>
DLC3
<7–14>
DLC3
<7–14>
DLC3
<7–15>
E14(A), E15(B)
EPS ECU
IG
PIG
RLY
IDUP
TACH
SIL
TC
TS
WL
M1
M2
TRQV
TRQ1
TRQ2
TRQG
SPD
PGND
EPS Motor
Torque Sensor
Combination Meter
<42–43>
Behind the
Combination
Meter
IM


Power Source
Headlight Beam Level Control (w/ HID)
1
2
3
4
ACC
IG1
ST2
AM1
AM2
IG2
G–R
B–R
G–Y
I13
Ignition SW
IE4 (LHD)
IP1 (RHD)
30A AM2
1A
ED1
140A ALT
120A ALT (*3)
100A ALT (*4)
4D
4A
4B
FL MAIN
3. 0W
Battery
25A AM1
IG1 Relay
7. 5A GAUGE2
10A IGN
DH
DN
DA
H-LP Relay <1-7><13-2>
Combination Meter <42-3>
H 1
Headlight Beam Level Control Actuator LH
H 2
Headlight Beam Level Control Actuator RH
IE6
IO2
IE1
H14
Headlight Beam Level Control ECU
IG
HDLP
SPDR
LH2
LH1
LH3
RH2
RH1
RH3
WNG
E1
SBF
SHF
SGF
SBR
SHR
SGR
J 8(A), J26(B) Junction Connector
C11 Combination Meter
Beam Level
IH1
IM1
SHB
SHFR
SHG
SHRR
H18
Height Control Sensor (Front)
H19
Height Control Sensor (Rear)
IJ
Left Kick Panel
IP
Right Kick Panel
* 1 : Gasoline
* 2 : Diesel
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE


Power Source
Headlight Beam Level Control (w/o HID)
1
2
3
4
* 1 : Gasoline
* 2 : Diesel
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : Except RHD Diesel
* 6 : RHD Diesel
B–L (*2)
B–G (*1)
1 DN
TAIL Relay
10A TAIL
Taillight System <14–1>
8 DL
4 DM
J30 Junction Connector
3 IC2
1 ED1
4D
4B
140A ALT
120A ALT (*3) 100A ALT (*4)
FL MAIN 3. 0W
Battery
J 1 Junction Connector
J10(A), J26(B) Junction Connector
(LHD)
(RHD)
H 1 Headlight Beam Level Control Actuator LH
H 2 Headlight Beam Level Control Actuator RH
H15 Headlight Beam Level Control SW
J 3(A), J 4(B) Junction Connector
12 IE1
11 CE (LHD)
5 CI (RHD)
6 CA
EC Engine Compartment Left
Right Kick Panel IP
W–B
G
G–Y
G–Y(*5) G–R(*6)
P–L

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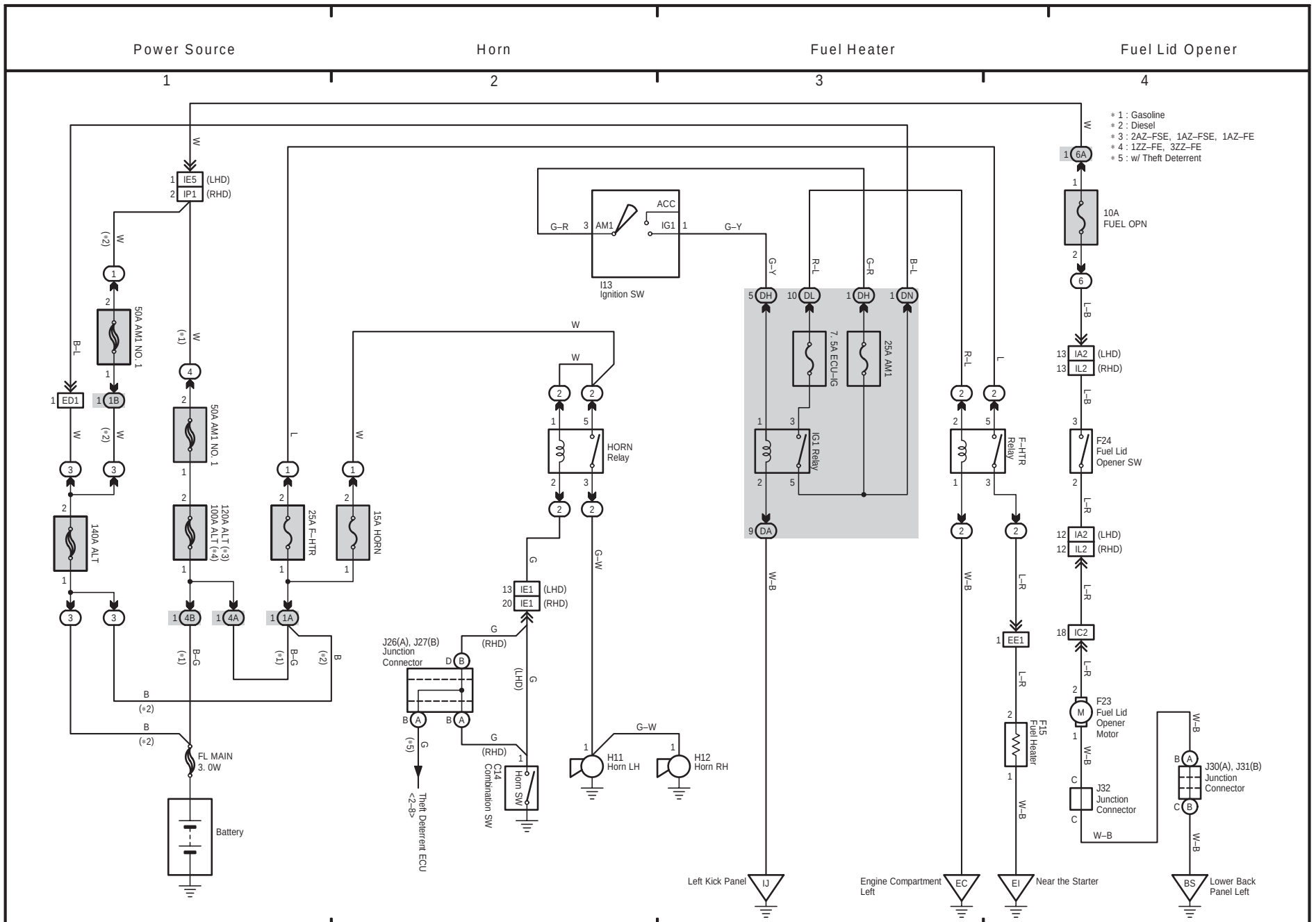
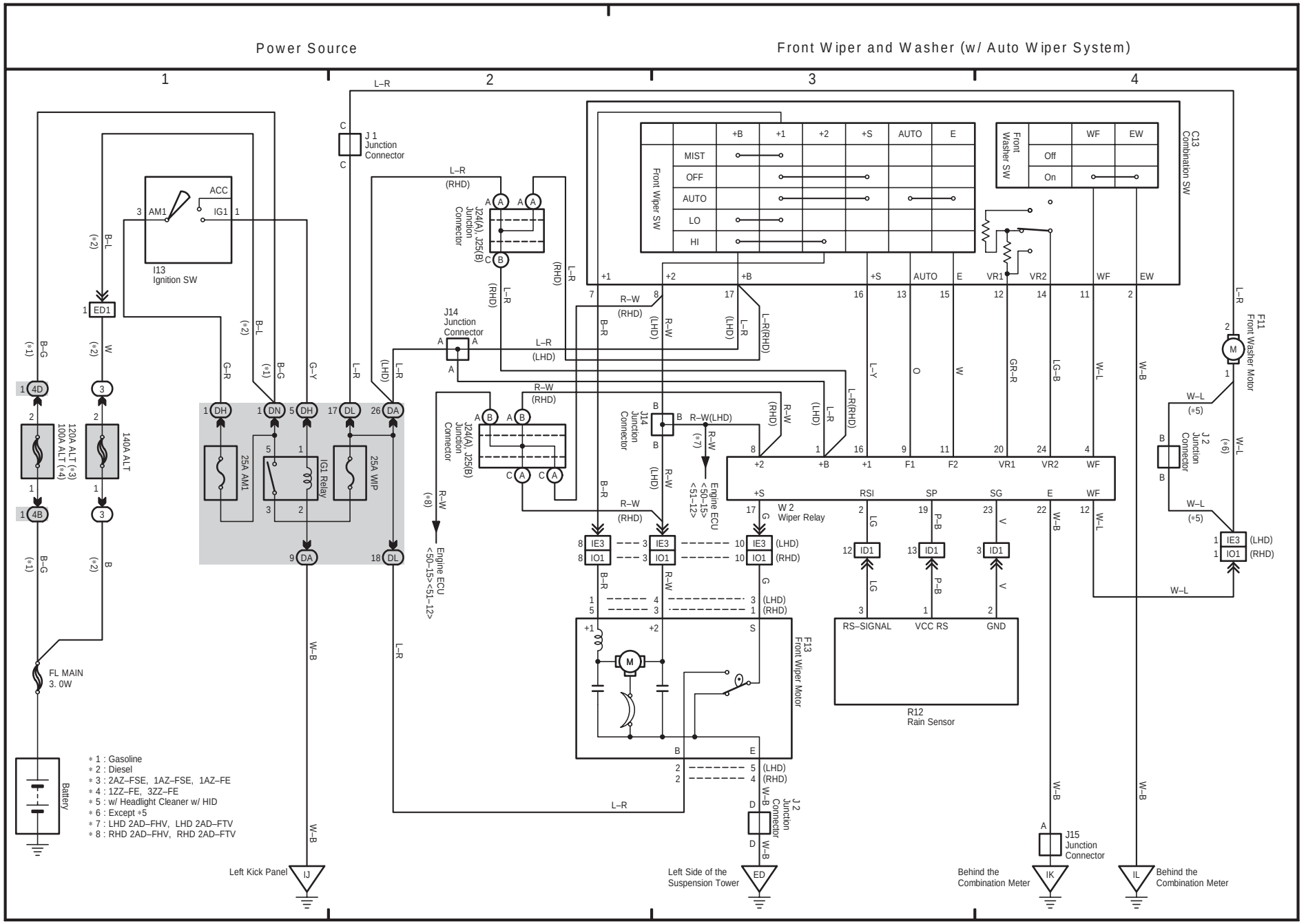

Power Source
Horn
Fuel Heater
Fuel Lid Opener
1
2
3
4
* 1 : Gasoline
* 2 : Diesel
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : w/ Theft Deterrent
IE5 (LHD)
IP1 (RHD)
50A AM1 NO. 1
50A AM1 NO. 1
120A ALT (*3)
100A ALT (*4)
140A ALT
25A F–HTR
15A HORN
FL MAIN
3. 0W
Battery
I13
Ignition SW
ACC
AM1
IG1
HORN
Relay
7. 5A ECU–IG
25A AM1
IG1 Relay
F–HTR
Relay
J26(A), J27(B)
Junction
Connector
C14
Combination SW
Horn SW
H11
Horn LH
H12
Horn RH
Theft Deterrent ECU
<2–8>
10A
FUEL OPN
F24
Fuel Lid
Opener SW
F23
Fuel Lid
Opener
Motor
F15
Fuel Heater
J32
Junction
Connector
J30(A), J31(B)
Junction
Connector
Left Kick Panel
IJ
Engine Compartment
Left
EC
Near the Starter
EI
Lower Back
Panel Left
BS


Power Source
Front Wiper and Washer (w/ Auto Wiper System)
1
2
3
4
J 1 Junction Connector
I13 Ignition SW
ACC
AM1
IG1
ED1
4D
4B
120A ALT (*3) 100A ALT (*4)
140A ALT
FL MAIN 3. 0W
Battery
25A AM1
IG1 Relay
25A WIP
DH
DN
DL
DA
J14 Junction Connector
124(A), J25(B) Junction Connector
Engine ECU <50–15> <51–12>
IE3
IO1
W 2 Wiper Relay
Front Wiper SW
MIST
OFF
AUTO
LO
HI
Front Washer SW
Off
On
C13 Combination SW
F11 Front Washer Motor
J2 Junction Connector
F13 Front Wiper Motor
R12 Rain Sensor
RS–SIGNAL
VCC RS
GND
J15 Junction Connector
Left Kick Panel
IJ
Left Side of the Suspension Tower
ED
Behind the Combination Meter
IK
IL
Behind the Combination Meter
* 1 : Gasoline
* 2 : Diesel
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : w/ Headlight Cleaner w/ HID
* 6 : Except *5
* 7 : LHD 2AD–FHV, LHD 2AD–FTV
* 8 : RHD 2AD–FHV, RHD 2AD–FTV

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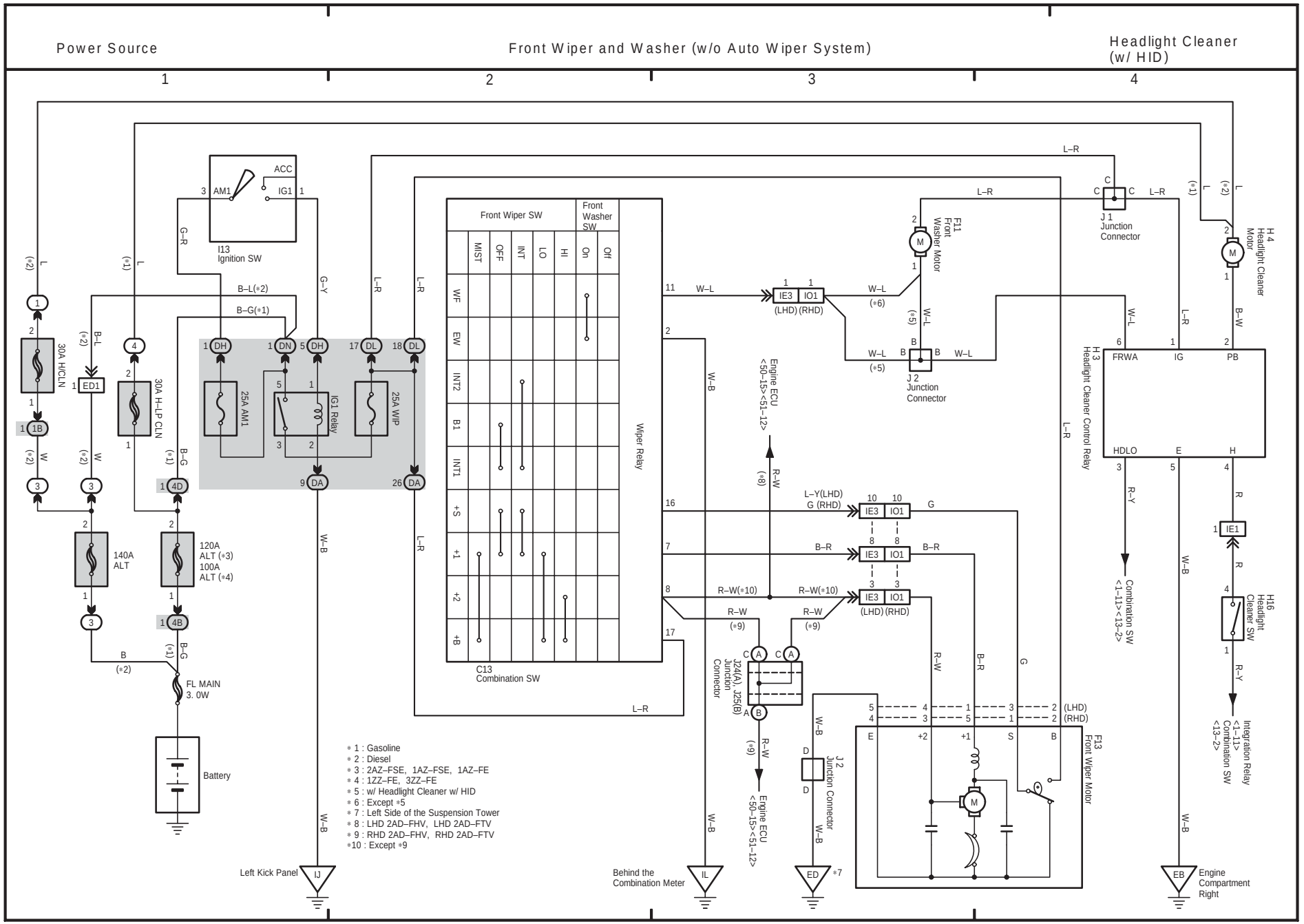
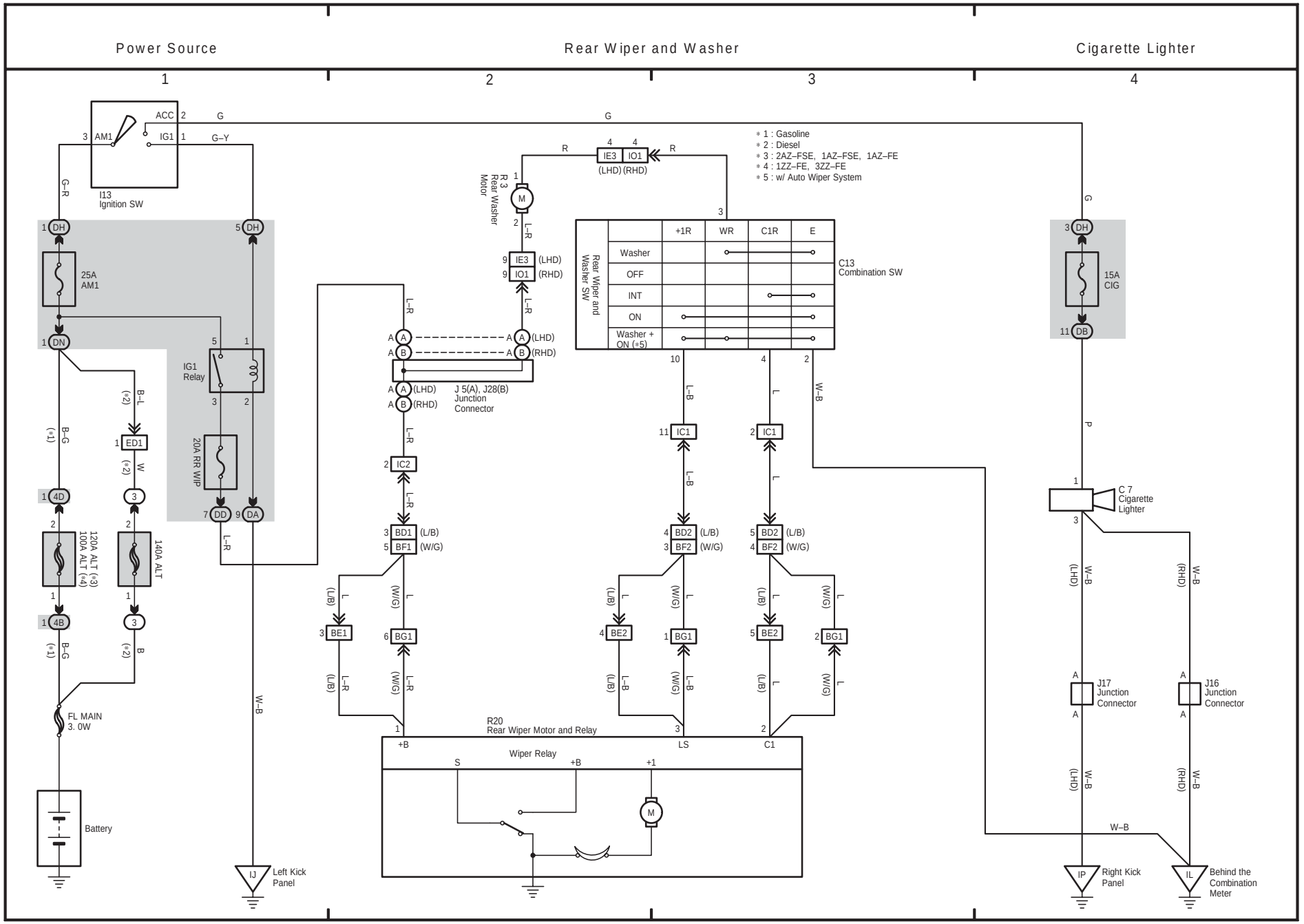

Power Source
Front Wiper and Washer (w/o Auto Wiper System)
Headlight Cleaner (w/ HID)
1
2
3
4
I13 Ignition SW
ACC
AM1
IG1
30A H/CLN
30A H-LP CLN
140A ALT
120A ALT (*3)
100A ALT (*4)
FL MAIN 3. 0W
Battery
25A AM1
IG1 Relay
25A WIP
Front Wiper SW
Front Washer SW
MIST
OFF
INT
LO
HI
On
Off
WF
EW
INT2
B1
INT1
+S
+1
+2
+B
C13 Combination SW
Wiper Relay
Engine ECU <50–15><51–12>
J24(A), J25(B) Junction Connector
J 2 Junction Connector
FL1 Front Washer Motor
J 1 Junction Connector
H 4 Headlight Cleaner Motor
H 3 Headlight Cleaner Control Relay
FRWA
IG
PB
HDLO
E
H
H16 Headlight Cleaner SW
IE1
Integration Relay <1–11> Combination SW <13–2>
Combination SW <1–11><13–2>
FI3 Front Wiper Motor
Left Kick Panel
Behind the Combination Meter
Engine Compartment Right
(LHD) (RHD)
* 1 : Gasoline
* 2 : Diesel
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : w/ Headlight Cleaner w/ HID
* 6 : Except *5
* 7 : Left Side of the Suspension Tower
* 8 : LHD 2AD–FHV, LHD 2AD–FTV
* 9 : RHD 2AD–FHV, RHD 2AD–FTV
*10 : Except *9


Power Source
Rear Wiper and Washer
Cigarette Lighter
1
2
3
4
＊1 : Gasoline
＊2 : Diesel
＊3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
＊4 : 1ZZ–FE, 3ZZ–FE
＊5 : w/ Auto Wiper System
I13
Ignition SW
ACC
AM1
IG1
G–Y
G–R
G
25A
AM1
IG1
Relay
20A RR WIP
120A ALT (＊3)
100A ALT (＊4)
140A ALT
FL MAIN
3. 0W
Battery
W–B
IJ
Left Kick
Panel
R 3
Rear Washer
Motor
IE3
IO1
(LHD) (RHD)
J 5(A), J28(B)
Junction
Connector
Rear Wiper and
Washer SW
+1R
WR
C1R
E
Washer
OFF
INT
ON
Washer +
ON (＊5)
C13
Combination SW
IC1
IC2
BD1 (L/B)
BF1 (W/G)
BD2 (L/B)
BF2 (W/G)
BE1
BG1
BE2
R20
Rear Wiper Motor and Relay
Wiper Relay
+B
LS
C1
S
+1
15A
CIG
C 7
Cigarette
Lighter
J17
Junction
Connector
J16
Junction
Connector
IP
Right Kick
Panel
IL
Behind the
Combination
Meter

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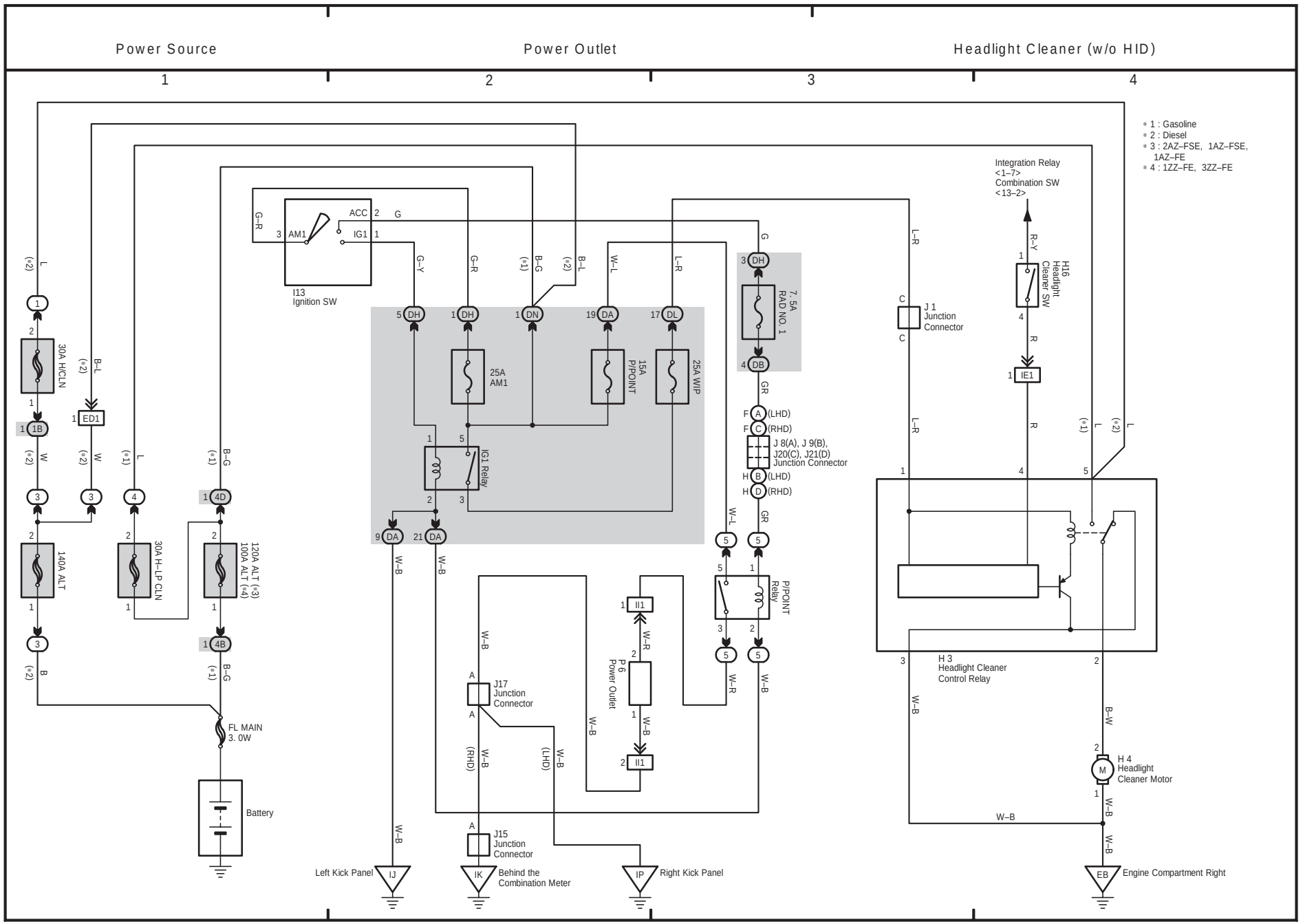
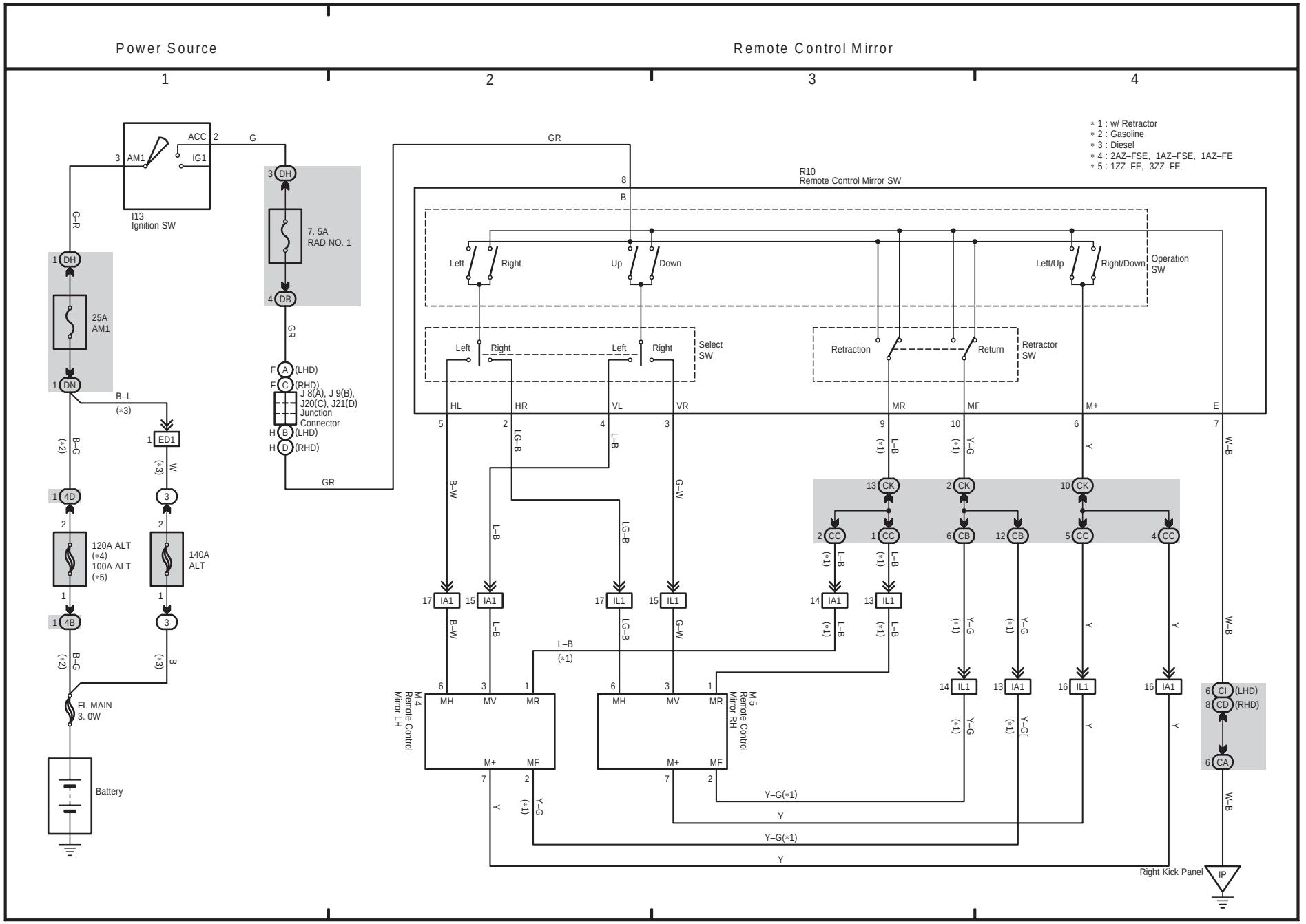
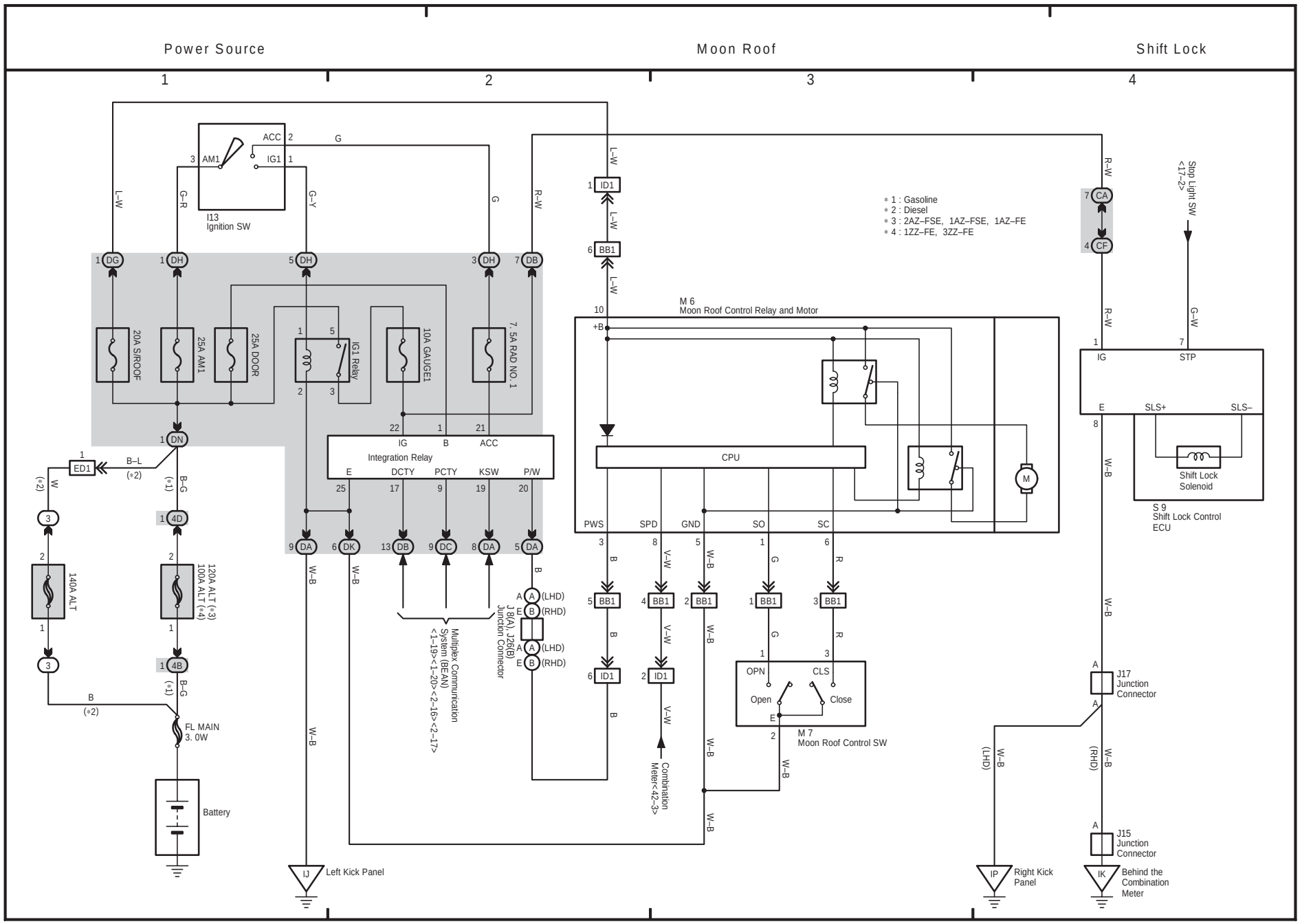

Power Source
Power Outlet
Headlight Cleaner (w/o HID)
1
2
3
4
* 1 : Gasoline
* 2 : Diesel
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
I13 Ignition SW
ACC
IG1
AM1
30A H/CLN
ED1
140A ALT
30A H–LP CLN
120A ALT (*3) 100A ALT (*4)
FL MAIN 3. 0W
Battery
25A AM1
15A P/POINT
25A WIP
IG1 Relay
7. 5A RAD NO. 1
J 8(A), J 9(B), J20(C), J21(D) Junction Connector
P/POINT Relay
J17 Junction Connector
P 6 Power Outlet
J15 Junction Connector
Left Kick Panel
Behind the Combination Meter
Right Kick Panel
Integration Relay <1–7> Combination SW <13–2>
H16 Headlight Cleaner SW
J 1 Junction Connector
H 3 Headlight Cleaner Control Relay
H 4 Headlight Cleaner Motor
Engine Compartment Right


Power Source
Remote Control Mirror
1
2
3
4
* 1 : w/ Retractor
* 2 : Gasoline
* 3 : Diesel
* 4 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 5 : 1ZZ–FE, 3ZZ–FE
I13
Ignition SW
ACC
AM1
IG1
7. 5A
RAD NO. 1
25A
AM1
R10
Remote Control Mirror SW
Left
Right
Up
Down
Left/Up
Right/Down
Operation
SW
Select
SW
Retraction
Return
Retractor
SW
HL
HR
VL
VR
MR
MF
M+
E
J 8(A), J 9(B),
J20(C), J21(D)
Junction
Connector
(LHD)
(RHD)
120A ALT
(*4)
100A ALT
(*5)
140A
ALT
FL MAIN
3. 0W
Battery
M 4
Remote Control
Mirror LH
M 5
Remote Control
Mirror RH
MH
MV
MR
Right Kick Panel
IP


Power Source
Moon Roof
Shift Lock
1
2
3
4
I13
Ignition SW
ACC
AM1
IG1
20A S/ROOF
25A AM1
25A DOOR
IG1 Relay
10A GAUGE1
7. 5A RAD NO. 1
Integration Relay
IG
B
ACC
E
DCTY
PCTY
KSW
P/W
ED1
140A ALT
120A ALT (*3)
100A ALT (*4)
4D
4B
FL MAIN
3. 0W
Battery
Left Kick Panel
Multiplex Communication System (BEAN)
<1–19><1–20><2–16><2–17>
J 8(A), J26(B)
Junction Connector
(LHD)
(RHD)
M 6
Moon Roof Control Relay and Motor
CPU
PWS
SPD
GND
SO
SC
M 7
Moon Roof Control SW
OPN
CLS
Open
Close
Combination Meter<42–3>
* 1 : Gasoline
* 2 : Diesel
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
Stop Light SW
<17–2>
IG
STP
E
SLS+
SLS–
Shift Lock Solenoid
S 9
Shift Lock Control ECU
J17
Junction Connector
J15
Junction Connector
Right Kick Panel
Behind the Combination Meter

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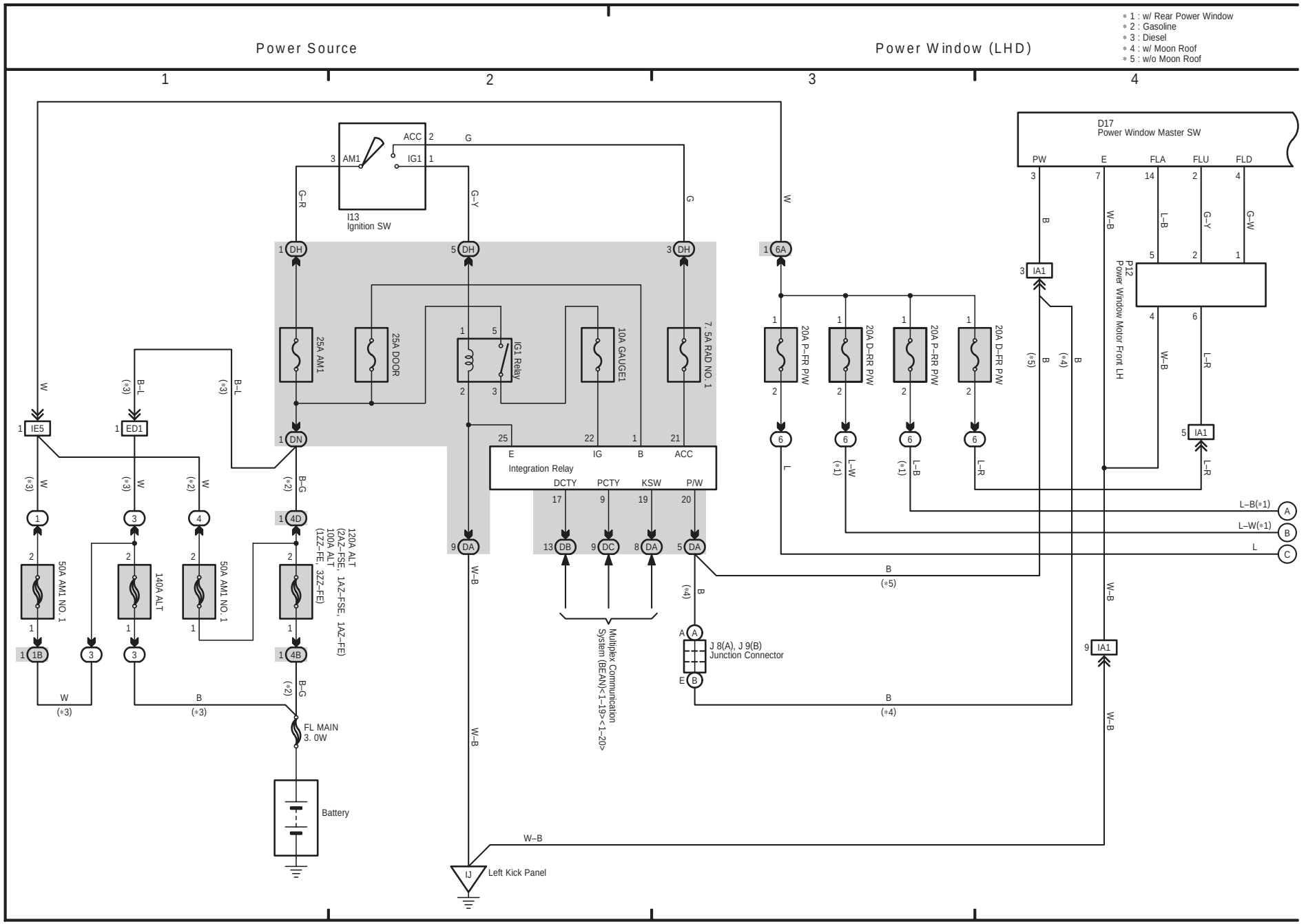
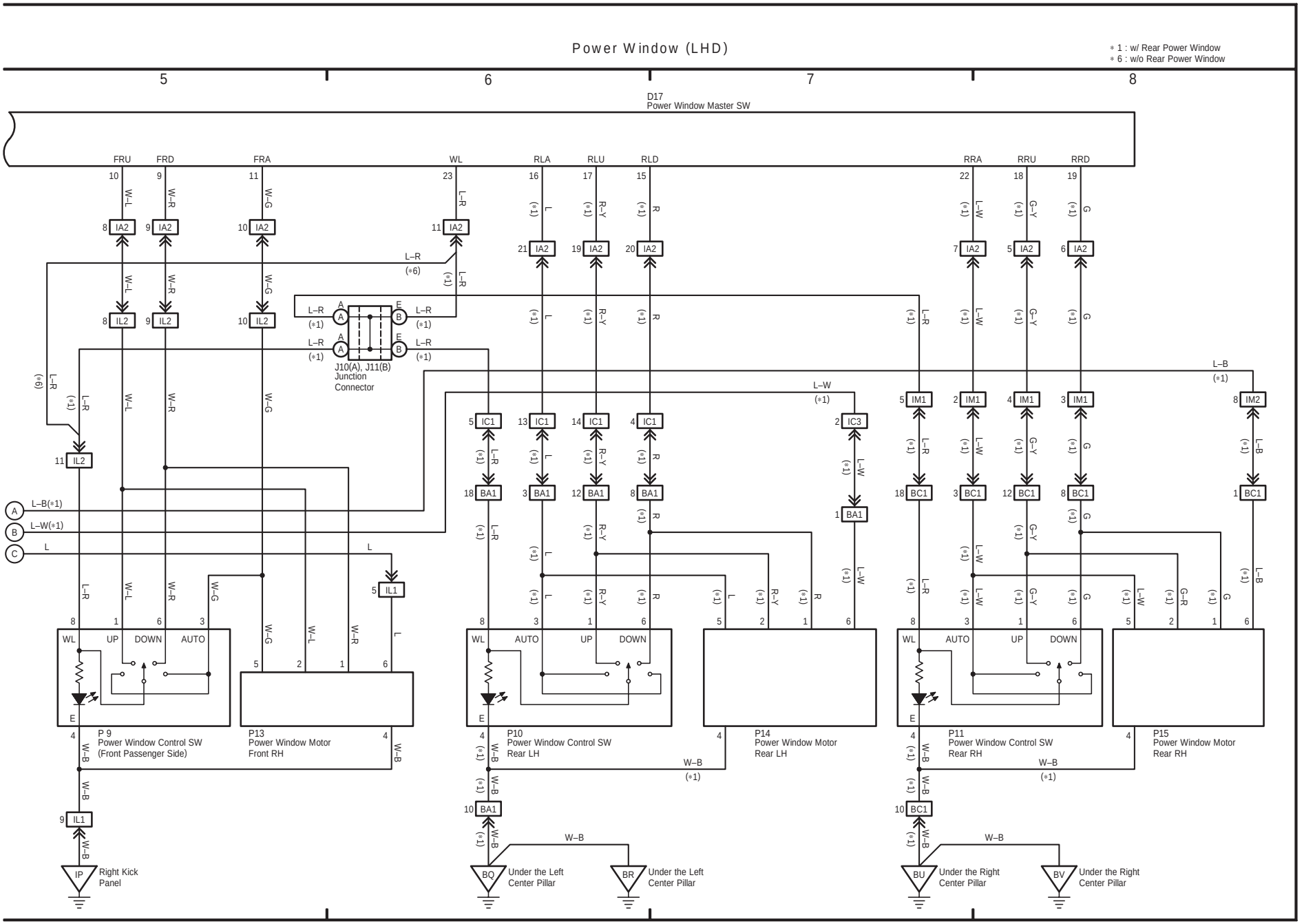
(Cont. next page)




Power Window (LHD)
* 1 : w/ Rear Power Window
* 6 : w/o Rear Power Window
5
6
7
8
D17
Power Window Master SW
FRU
FRD
FRA
WL
RLA
RLU
RLD
RRA
RRU
RRD
J10(A), J11(B)
Junction
Connector
P 9
Power Window Control SW
(Front Passenger Side)
P13
Power Window Motor
Front RH
P10
Power Window Control SW
Rear LH
P14
Power Window Motor
Rear LH
P11
Power Window Control SW
Rear RH
P15
Power Window Motor
Rear RH
Right Kick
Panel
Under the Left
Center Pillar
Under the Left
Center Pillar
Under the Right
Center Pillar
Under the Right
Center Pillar

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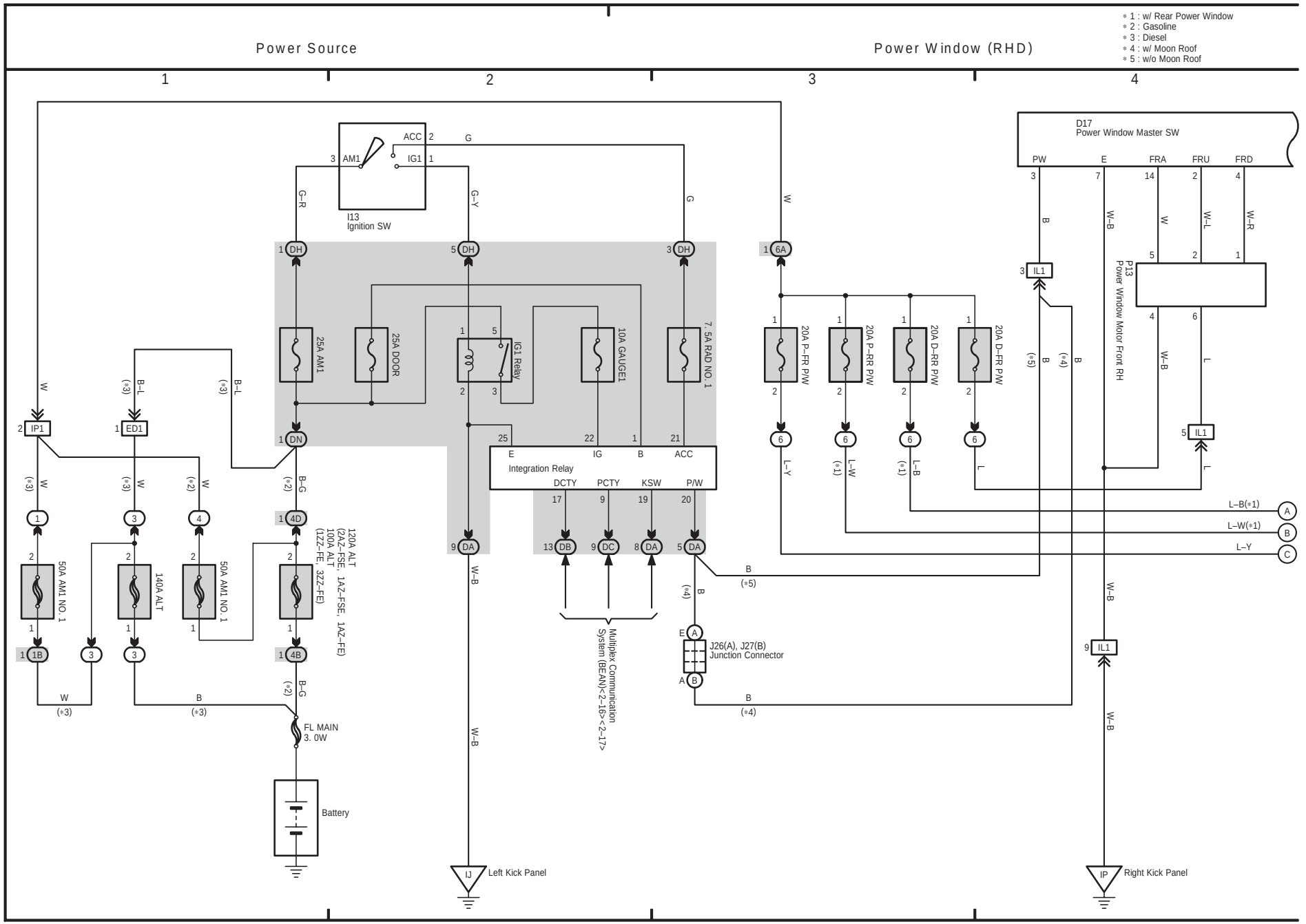
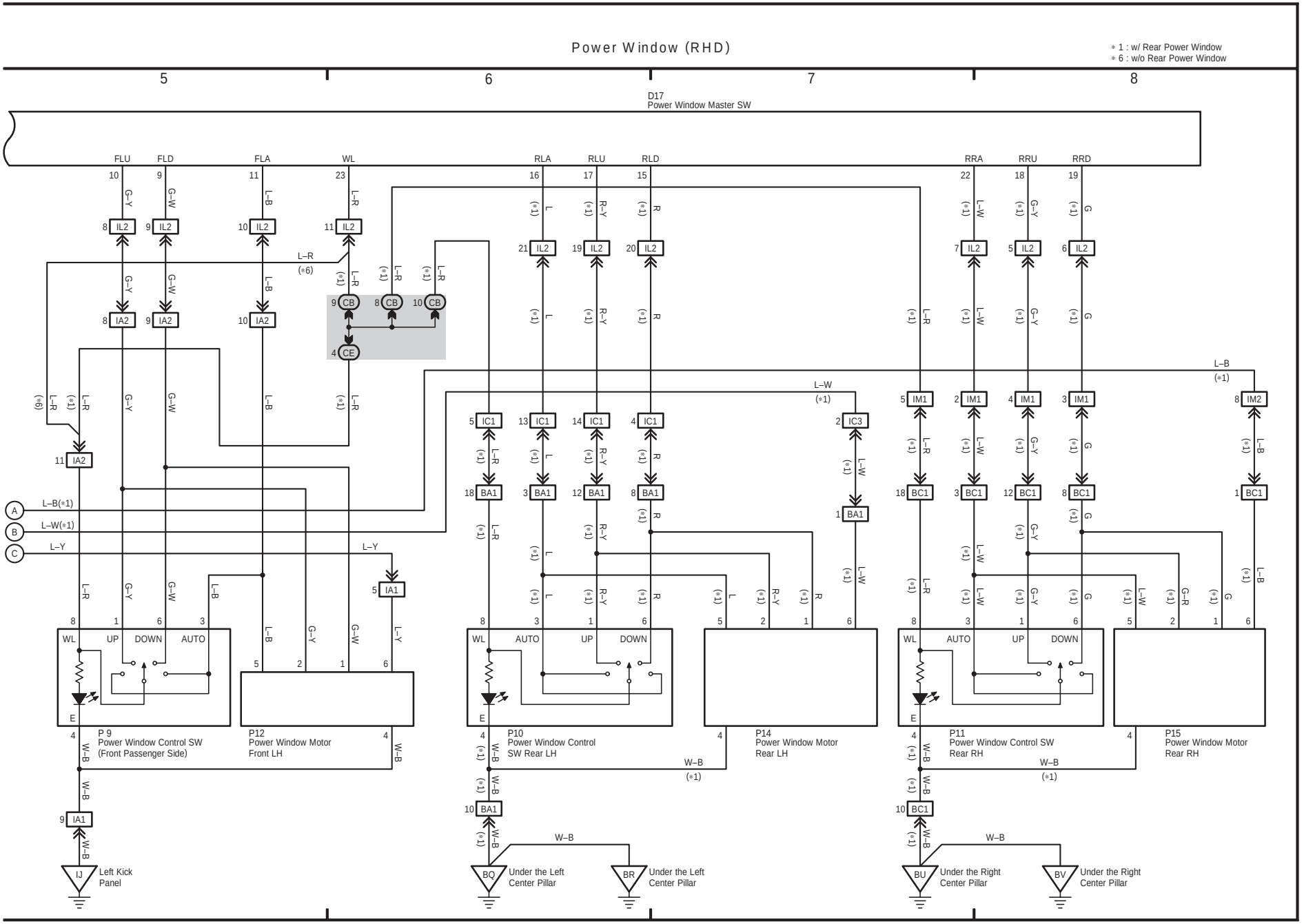
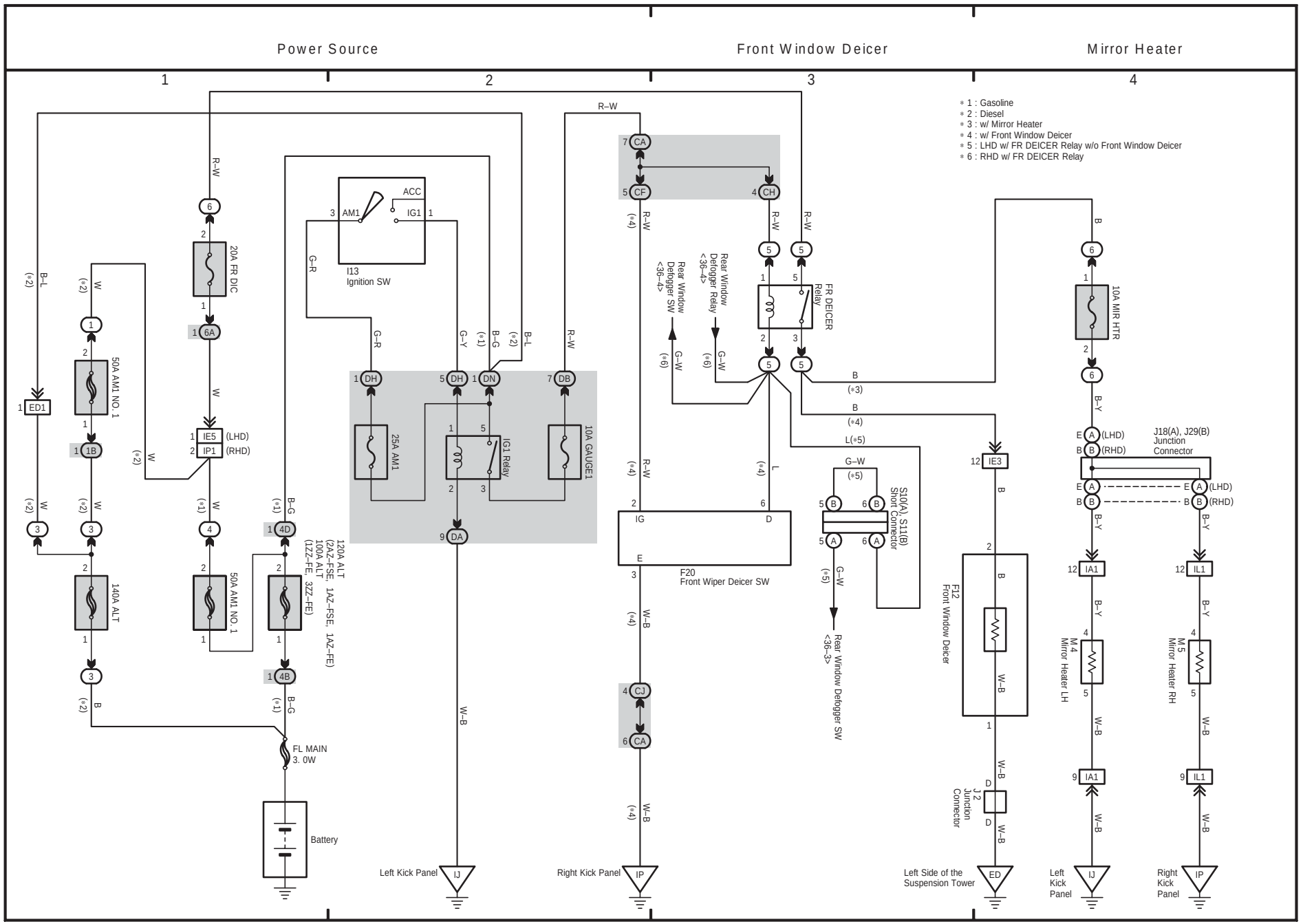
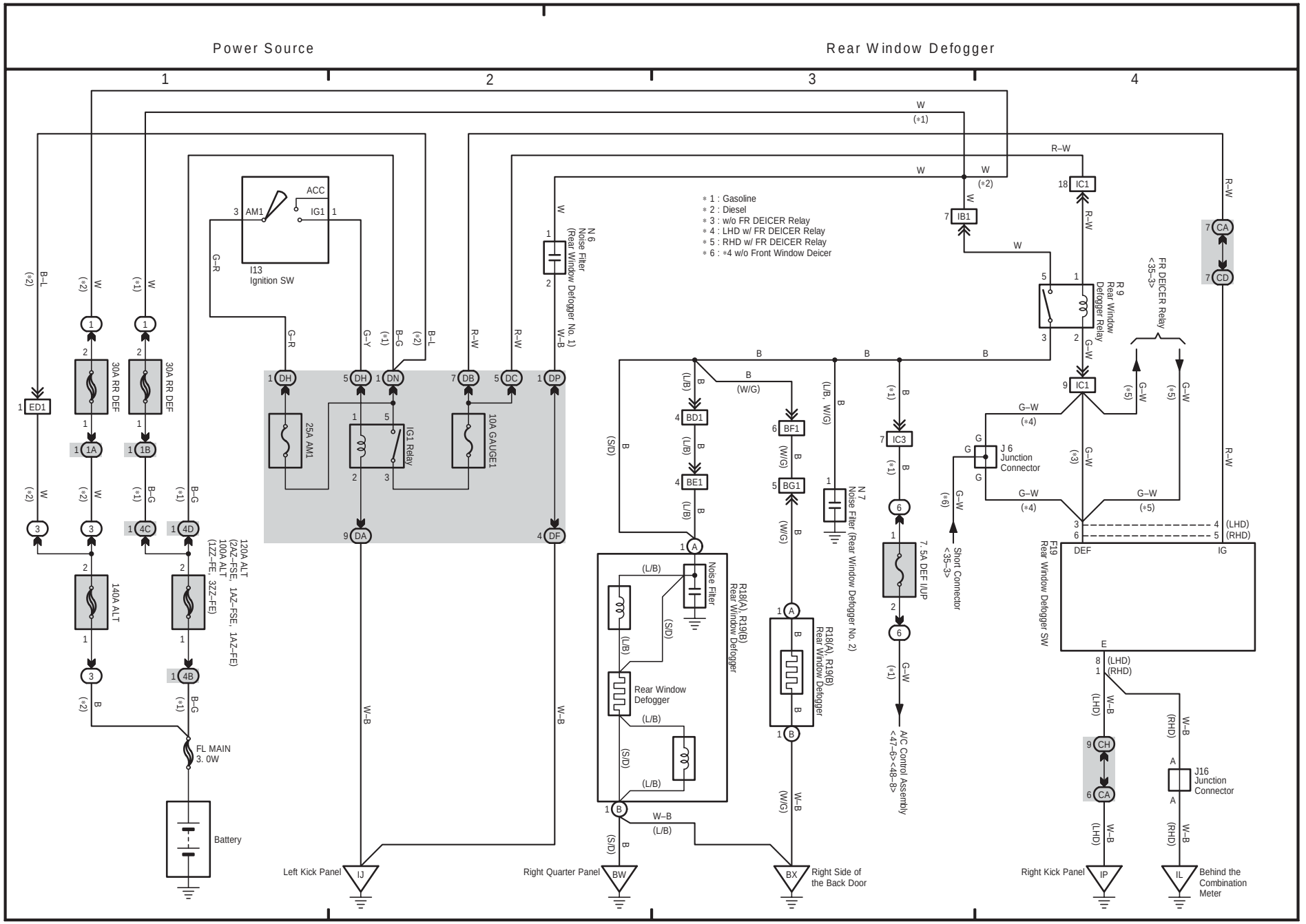
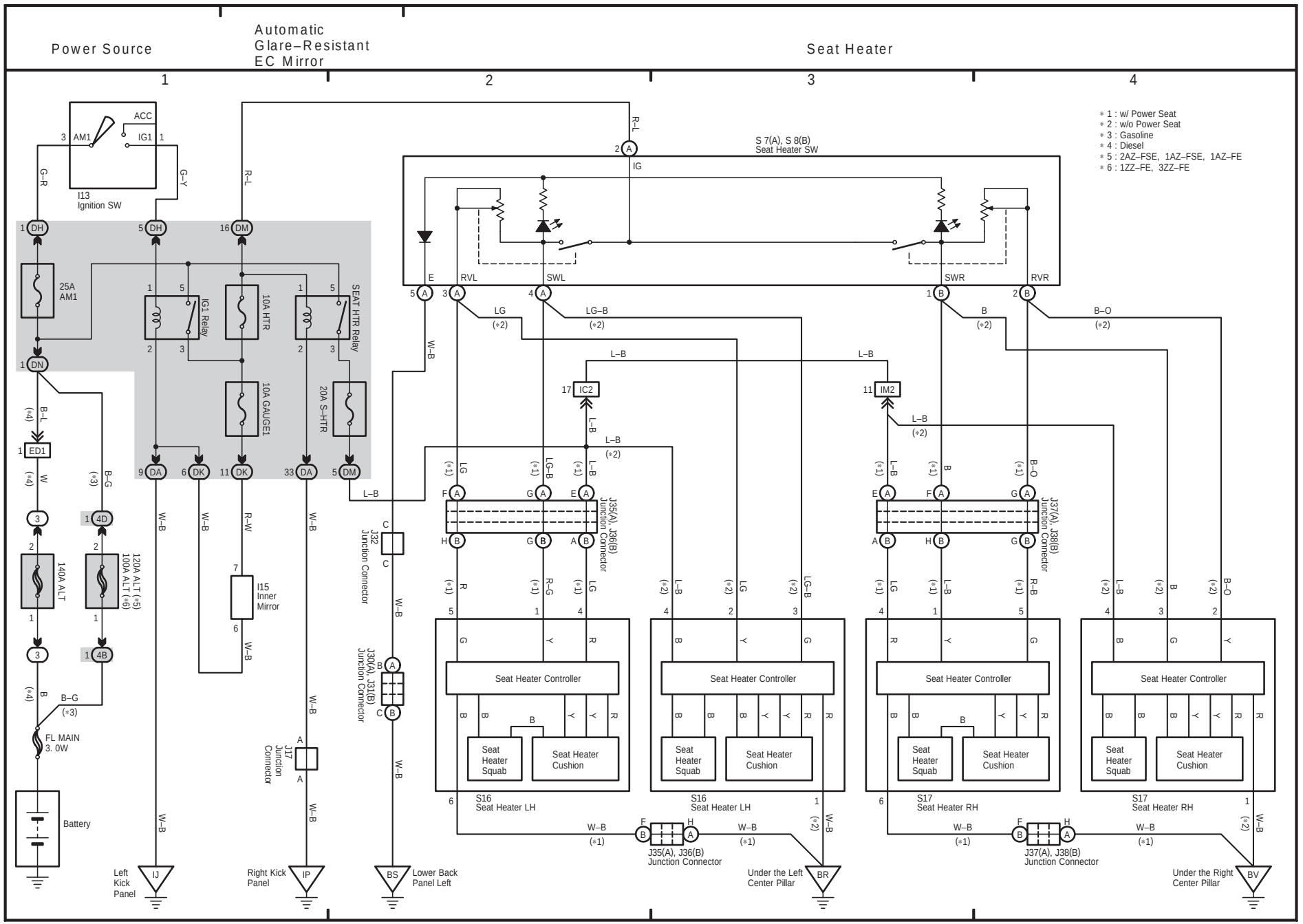
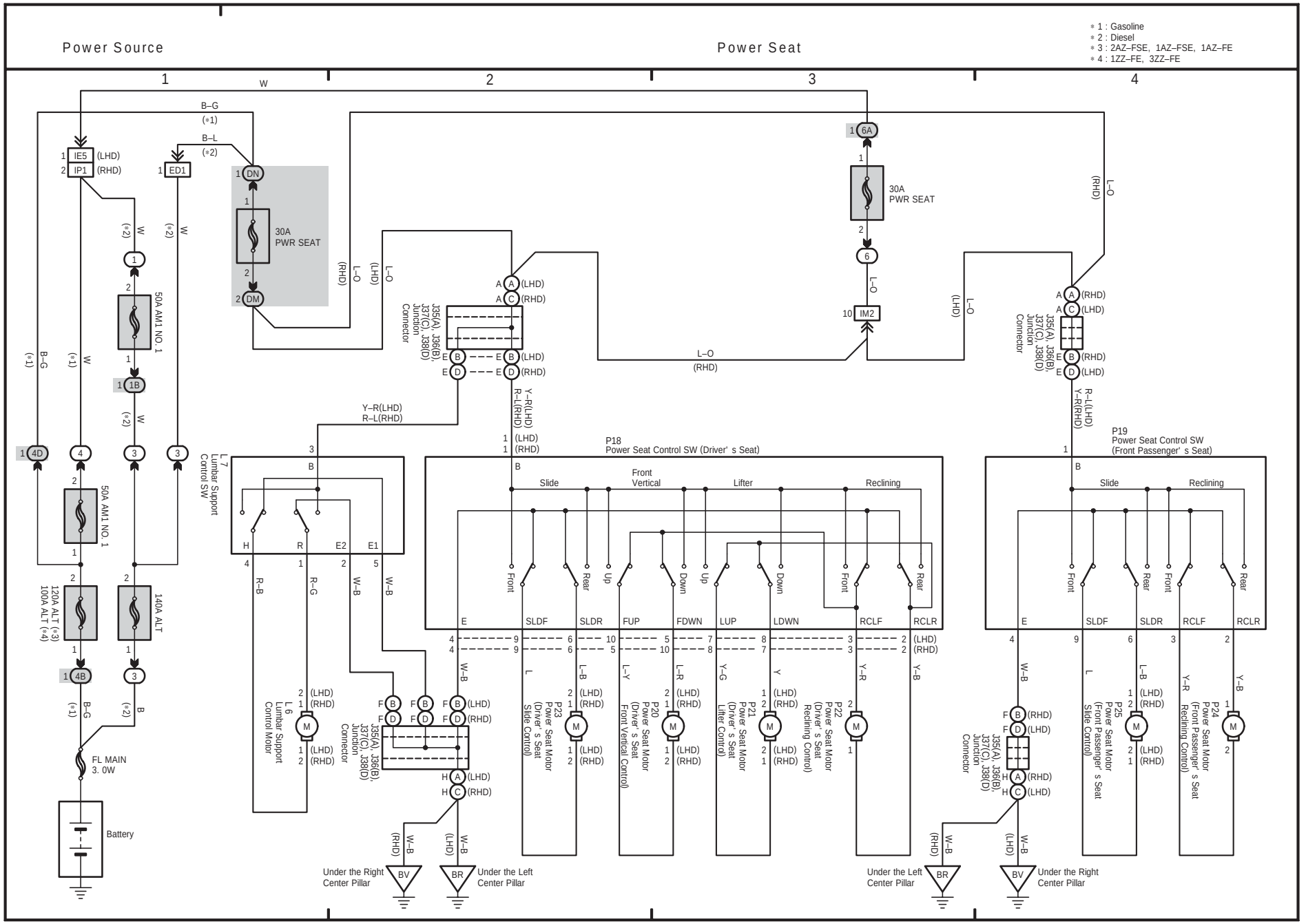



Power Window (RHD)
* 1 : w/ Rear Power Window
* 6 : w/o Rear Power Window
5
6
7
8
D17
Power Window Master SW
FLU
FLD
FLA
WL
RLA
RLU
RLD
RRA
RRU
RRD
P 9
Power Window Control SW
(Front Passenger Side)
P12
Power Window Motor
Front LH
P10
Power Window Control
SW Rear LH
P14
Power Window Motor
Rear LH
P11
Power Window Control SW
Rear RH
P15
Power Window Motor
Rear RH
Left Kick
Panel
Under the Left
Center Pillar
Under the Left
Center Pillar
Under the Right
Center Pillar
Under the Right
Center Pillar

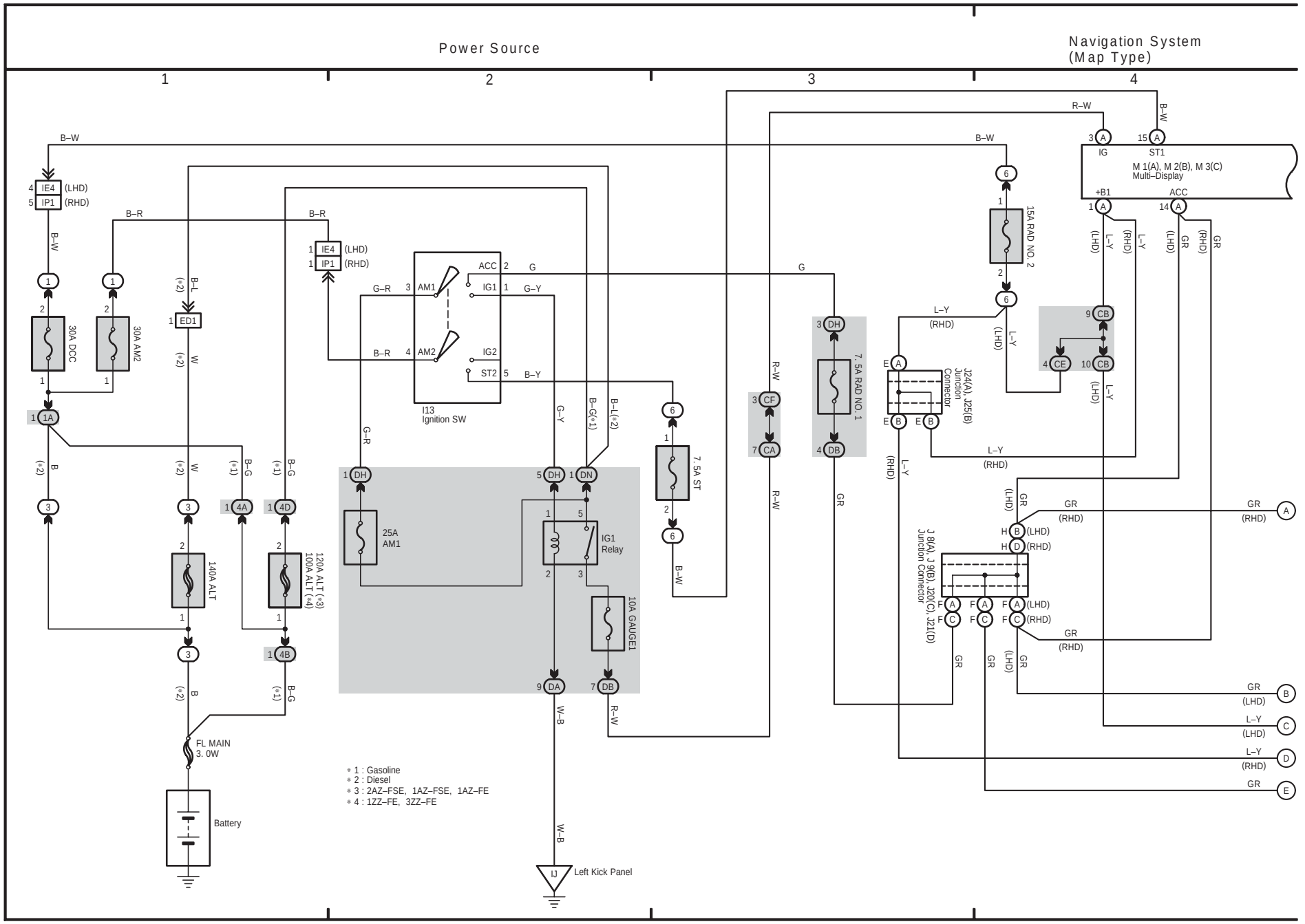

Power Source
Front Window Deicer
Mirror Heater
1
2
3
4
＊1 : Gasoline
＊2 : Diesel
＊3 : w/ Mirror Heater
＊4 : w/ Front Window Deicer
＊5 : LHD w/ FR DEICER Relay w/o Front Window Deicer
＊6 : RHD w/ FR DEICER Relay
ACC
IG1
AM1
I13
Ignition SW
20A FR DIC
50A AM1 NO. 1
140A ALT
50A AM1 NO. 1
120A ALT (2AZ-FSE, 1AZ-FSE, 1AZ-FE)
100A ALT (1ZZ-FE, 3ZZ-FE)
FL MAIN
3. 0W
Battery
25A AM1
IG1 Relay
10A GAUGE1
FR DEICER Relay
Rear Window Defogger SW <36-4>
Rear Window Defogger Relay <36-4>
F20
Front Wiper Deicer SW
S10(A), S11(B)
Short Connector
Rear Window Defogger SW <36-3>
F12
Front Window Deicer
J2
Junction Connector
10A MIR HTR
J18(A), J29(B)
Junction Connector
M4
Mirror Heater LH
M5
Mirror Heater RH
Left Kick Panel
Right Kick Panel
Left Side of the Suspension Tower
Left Kick Panel
Right Kick Panel

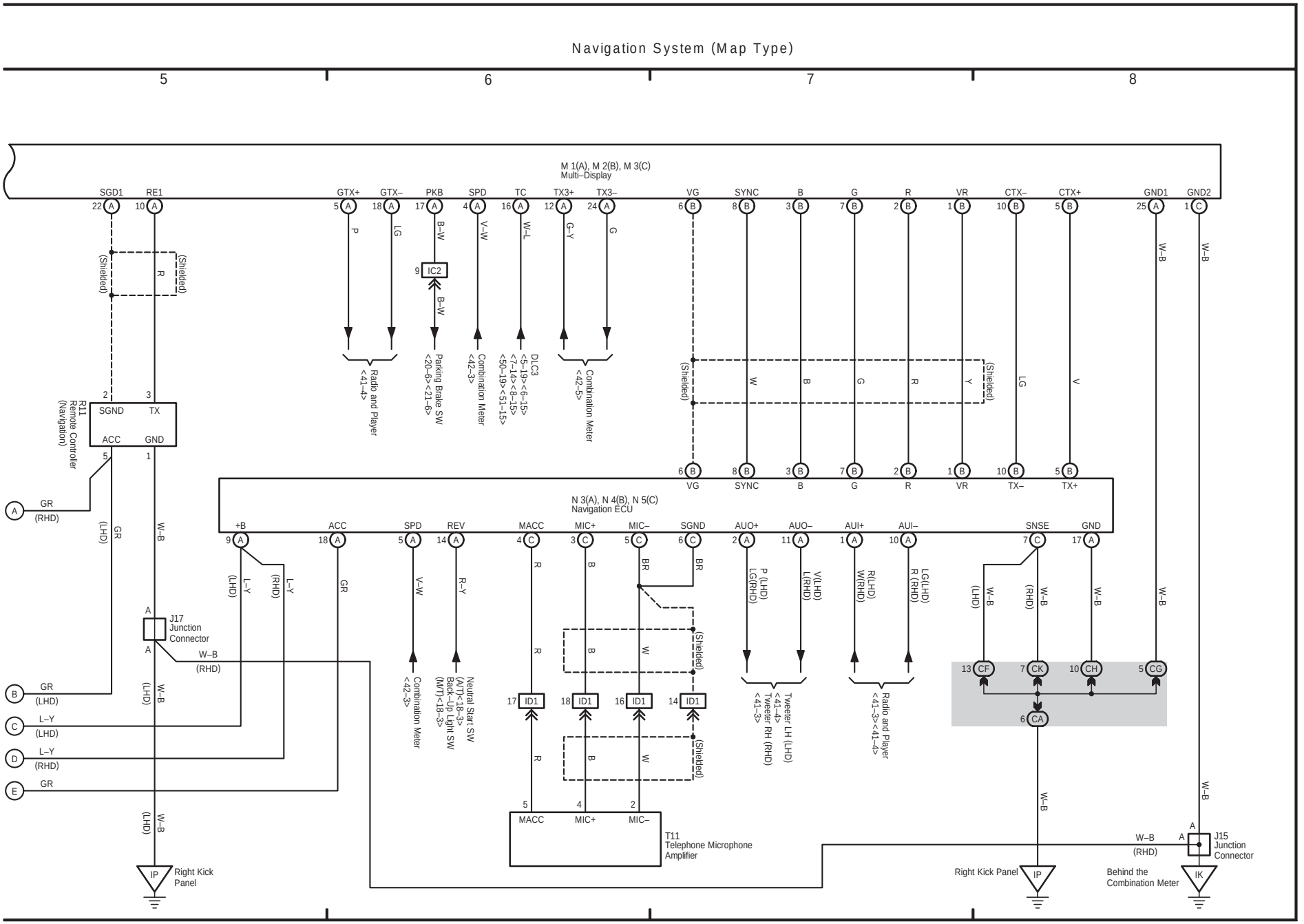

Power Source
Rear Window Defogger
1
2
3
4
* 1 : Gasoline
* 2 : Diesel
* 3 : w/o FR DEICER Relay
* 4 : LHD w/ FR DEICER Relay
* 5 : RHD w/ FR DEICER Relay
* 6 : *4 w/o Front Window Deicer
I13 Ignition SW
ACC
IG1
AM1
N 6 Noise Filter (Rear Window Defogger No. 1)
R 9 Rear Window Defogger Relay
FR DEICER Relay <35–3>
25A AM1
IG1 Relay
10A GAUGE1
30A RR DEF
30A RR DEF
140A ALT
120A ALT (2AZ–FSE, 1AZ–FSE, 1AZ–FE) 100A ALT (1ZZ–FE, 3ZZ–FE)
FL MAIN 3. 0W
Battery
N 7 Noise Filter (Rear Window Defogger No. 2)
R18(A), R19(B) Rear Window Defogger
Noise Filter
Rear Window Defogger
7. 5A DEF I/UP
A/C Control Assembly <47–6><48–8>
Short Connector <35–3>
J 6 Junction Connector
F19 Rear Window Defogger SW
DEF
IG
J16 Junction Connector
Left Kick Panel
Right Quarter Panel
Right Side of the Back Door
Right Kick Panel
Behind the Combination Meter

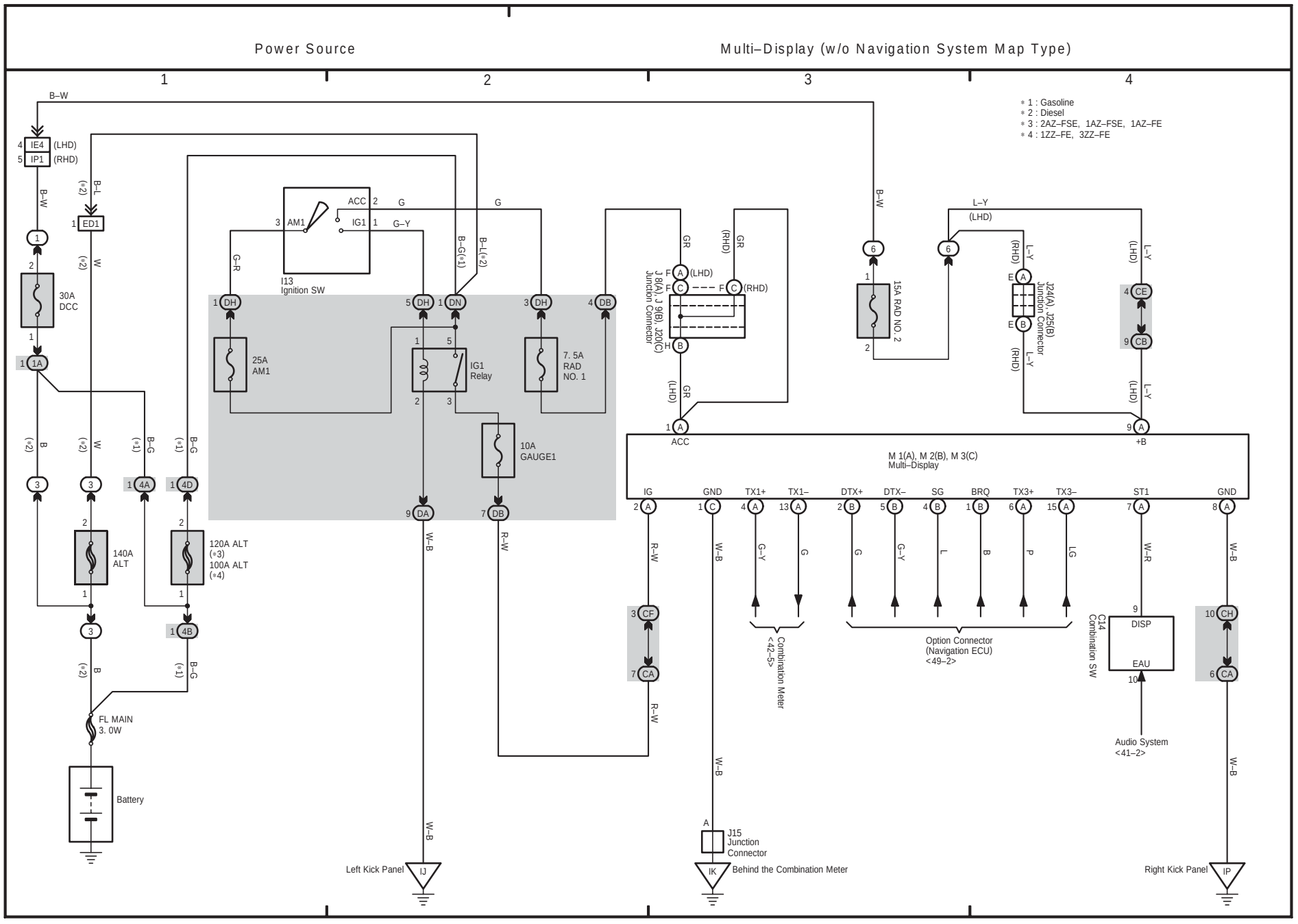

Power Source
Automatic Glare–Resistant EC Mirror
Seat Heater
1
2
3
4
* 1 : w/ Power Seat
* 2 : w/o Power Seat
* 3 : Gasoline
* 4 : Diesel
* 5 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 6 : 1ZZ–FE, 3ZZ–FE
ACC
IG1
AM1
I13
Ignition SW
S 7(A), S 8(B)
Seat Heater SW
IG
RVL
SWL
SWR
RVR
25A
AM1
IG1 Relay
10A HTR
SEAT HTR Relay
10A GAUGE1
20A S–HTR
IC2
IM2
ED1
140A ALT
120A ALT (*5)
100A ALT (*6)
I15
Inner
Mirror
FL MAIN
3. 0W
Battery
J32
Junction Connector
J30(A), J31(B)
Junction Connector
J17
Junction
Connector
J35(A), J36(B)
Junction Connector
J37(A), J38(B)
Junction Connector
Seat Heater Controller
Seat
Heater
Squab
Seat Heater
Cushion
S16
Seat Heater LH
S17
Seat Heater RH
Left
Kick
Panel
Right Kick
Panel
Lower Back
Panel Left
Under the Left
Center Pillar
Under the Right
Center Pillar

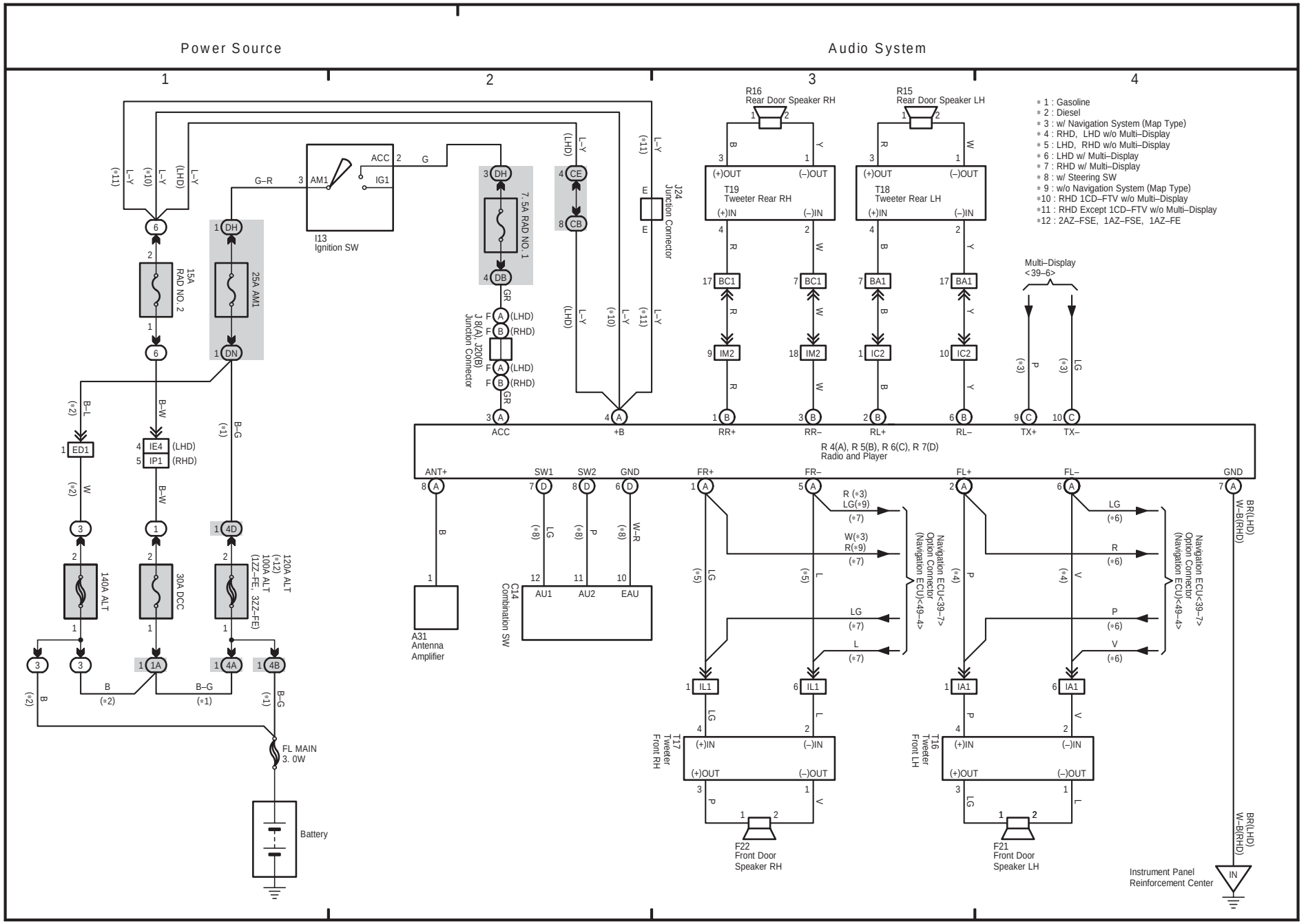

Power Source
Power Seat
* 1 : Gasoline
* 2 : Diesel
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
1
2
3
4
W
B–G (*1)
B–L (*2)
IE5 (LHD)
IP1 (RHD)
ED1
DN
DM
30A PWR SEAT
6A
IM2
50A AM1 NO. 1
4D
50A AM1 NO. 1
120A ALT (*3)
100A ALT (*4)
140A ALT
4B
FL MAIN 3. 0W
Battery
L–O (LHD)
L–O (RHD)
Y–R(LHD)
R–L(RHD)
R–L(LHD)
Y–R(RHD)
J35(A), J36(B), J37(C), J38(D) Junction Connector
L7 Lumbar Support Control SW
P18 Power Seat Control SW (Driver' s Seat)
P19 Power Seat Control SW (Front Passenger' s Seat)
Slide
Front Vertical
Lifter
Reclining
Front
Rear
Up
Down
E
SLDF
SLDR
FUP
FDWN
LUP
LDWN
RCLF
RCLR
L6 Lumbar Support Control Motor
P23 Power Seat Motor (Driver' s Seat Slide Control)
P20 Power Seat Motor (Driver' s Seat Front Vertical Control)
P21 Power Seat Motor (Driver' s Seat Lifter Control)
P22 Power Seat Motor (Driver' s Seat Reclining Control)
P25 Power Seat Motor (Front Passenger' s Seat Slide Control)
P24 Power Seat Motor (Front Passenger' s Seat Reclining Control)
Under the Right Center Pillar
Under the Left Center Pillar
BV
BR

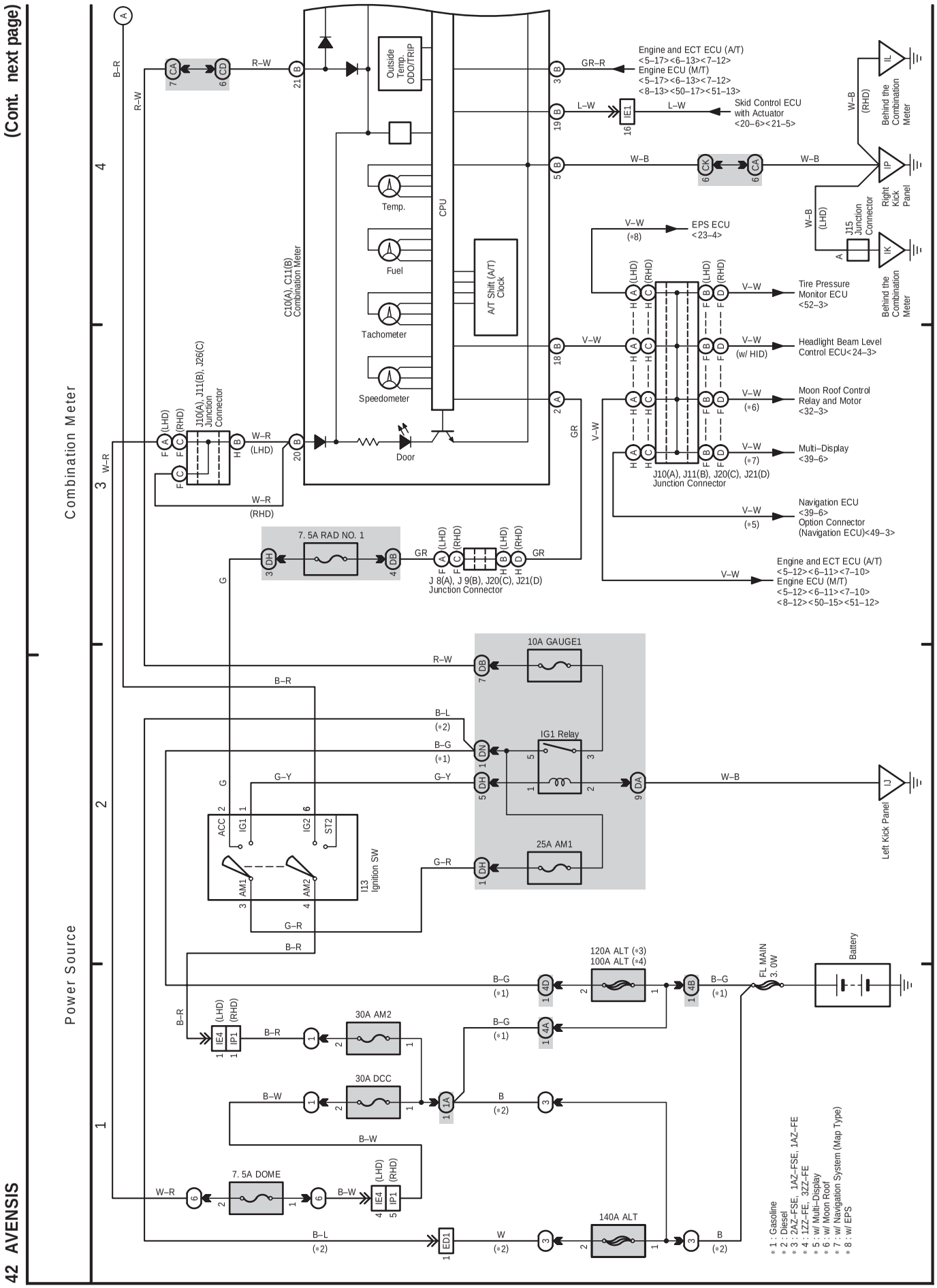
(Cont. next page)



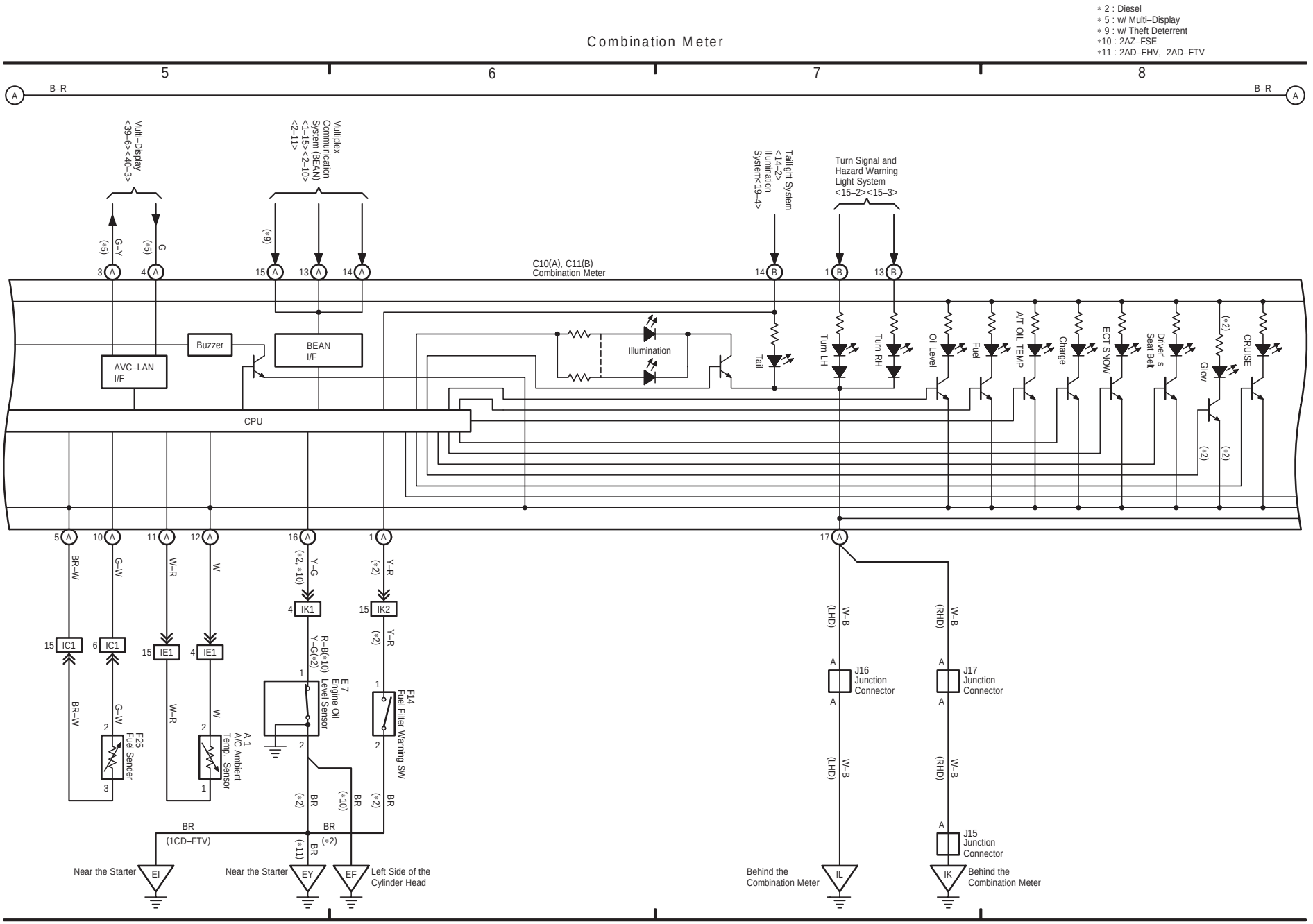

Navigation System (Map Type)
5
6
7
8
M 1(A), M 2(B), M 3(C)
Multi–Display
SGD1
RE1
GTX+
GTX–
PKB
SPD
TC
TX3+
TX3–
VG
SYNC
B
G
R
VR
CTX–
CTX+
GND1
GND2
(Shielded)
R
IC2
B–W
P
LG
V–W
W–L
G–Y
G
W
Y
V
W–B
Radio and Player <41–4>
Parking Brake SW <20–6><21–6>
Combination Meter <42–3>
DLC3 <5–19><6–15> <7–14><8–15> <50–19><51–15>
Combination Meter <42–5>
R11
Remote Controller (Navigation)
SGND
TX
ACC
GND
TX–
TX+
N 3(A), N 4(B), N 5(C)
Navigation ECU
+B
SPD
REV
MACC
MIC+
MIC–
AUO+
AUO–
AUI+
AUI–
SNSE
GR
(RHD)
(LHD)
L–Y
W–B
J17
Junction Connector
V–W
R–Y
R
B
BR
W
P (LHD)
LG(RHD)
V(LHD)
L(RHD)
R(LHD)
W(RHD)
LG(LHD)
R (RHD)
CF
CK
CH
CG
CA
ID1
Combination Meter <42–3>
Neutral Start SW (A/T)<18–3> Back–Up Light SW (M/T)<18–3>
Tweeter LH (LHD) <41–4> Tweeter RH (RHD) <41–3>
Radio and Player <41–3><41–4>
T11
Telephone Microphone Amplifier
J15
Junction Connector
IP
Right Kick Panel
IK
Behind the Combination Meter

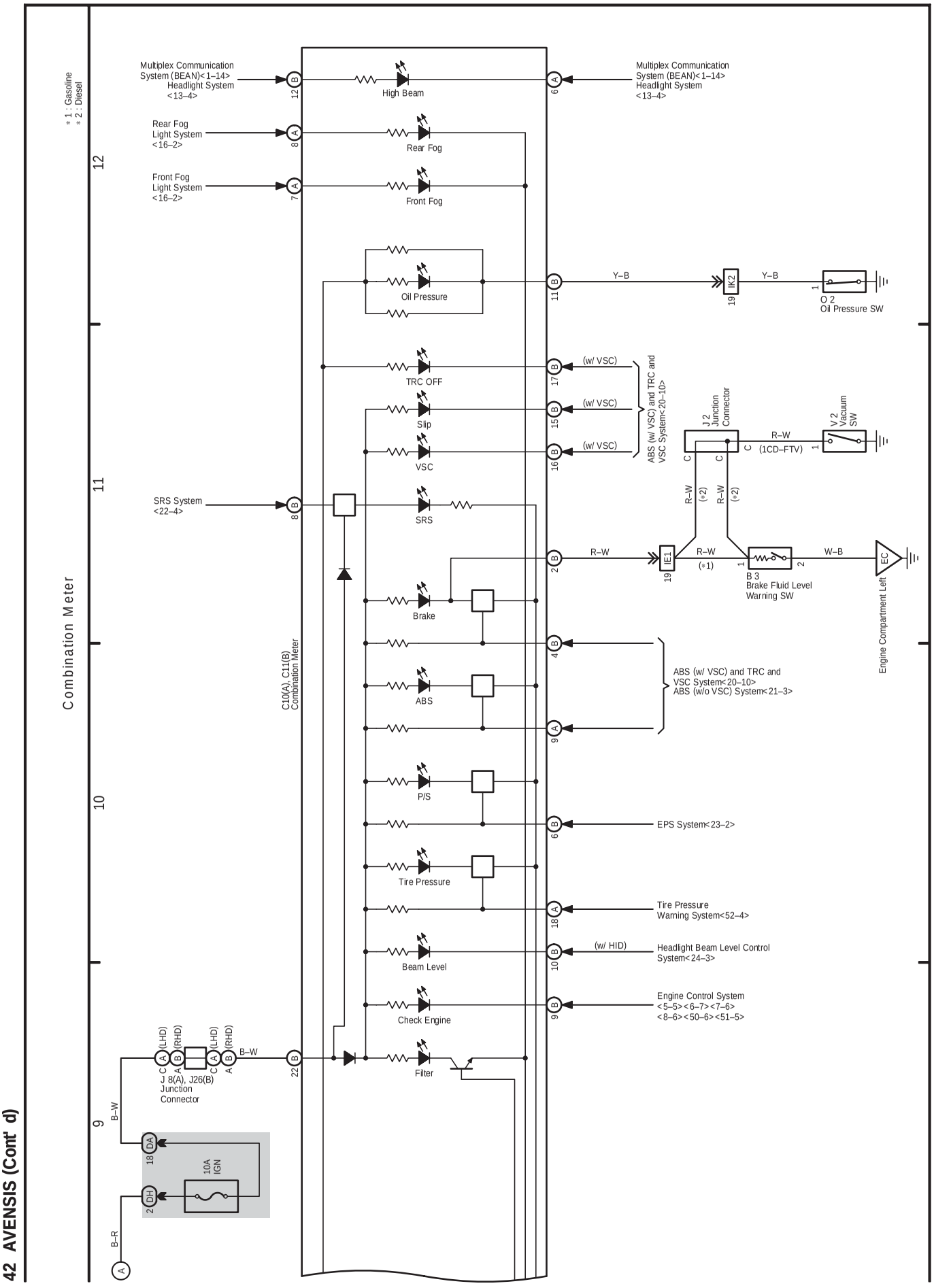

Power Source
Multi–Display (w/o Navigation System Map Type)
1
2
3
4
* 1 : Gasoline
* 2 : Diesel
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
B–W
IE4 (LHD)
IP1 (RHD)
ED1
30A DCC
1A
140A ALT
120A ALT (*3)
100A ALT (*4)
4A
4D
4B
FL MAIN 3. 0W
Battery
I13 Ignition SW
ACC
IG1
AM1
25A AM1
IG1 Relay
7. 5A RAD NO. 1
10A GAUGE1
DH
DN
DB
DA
CF
CA
Left Kick Panel
IJ
J 8(A), J 9(B), J20(C) Junction Connector
15A RAD NO. 2
J24(A), J25(B) Junction Connector
CE
CB
+B
M 1(A), M 2(B), M 3(C) Multi–Display
IG
GND
TX1+
TX1–
DTX+
DTX–
SG
BRQ
TX3+
TX3–
ST1
Combination Meter <42–5>
Option Connector (Navigation ECU) <49–2>
C14 Combination SW
DISP
EAU
Audio System <41–2>
CH
J15 Junction Connector
IK
Behind the Combination Meter
Right Kick Panel
IP


Power Source
Audio System
1
2
3
4
R16
Rear Door Speaker RH
R15
Rear Door Speaker LH
∗ 1 : Gasoline
∗ 2 : Diesel
∗ 3 : w/ Navigation System (Map Type)
∗ 4 : RHD, LHD w/o Multi–Display
∗ 5 : LHD, RHD w/o Multi–Display
∗ 6 : LHD w/ Multi–Display
∗ 7 : RHD w/ Multi–Display
∗ 8 : w/ Steering SW
∗ 9 : w/o Navigation System (Map Type)
∗10 : RHD 1CD–FTV w/o Multi–Display
∗11 : RHD Except 1CD–FTV w/o Multi–Display
∗12 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
Multi–Display
<39–6>
I13
Ignition SW
J24
Junction Connector
7.5A RAD NO. 1
15A RAD NO. 2
25A AM1
J 8(A), 120(B)
Junction Connector
T19
Tweeter Rear RH
T18
Tweeter Rear LH
R 4(A), R 5(B), R 6(C), R 7(D)
Radio and Player
ACC
+B
RR+
RR–
RL+
RL–
TX+
TX–
ANT+
SW1
SW2
GND
FR+
FR–
FL+
FL–
A31
Antenna
Amplifier
C14
Combination SW
AU1
AU2
EAU
Navigation ECU<39–7>
Option Connector
(Navigation ECU)<49–4>
T17
Tweeter
Front RH
T16
Tweeter
Front LH
F22
Front Door
Speaker RH
F21
Front Door
Speaker LH
140A ALT
30A DCC
120A ALT
(∗12)
100A ALT
(12Z–FE, 3ZZ–FE)
FL MAIN
3. 0W
Battery
Instrument Panel
Reinforcement Center
BR(LHD)
W–B(RHD)

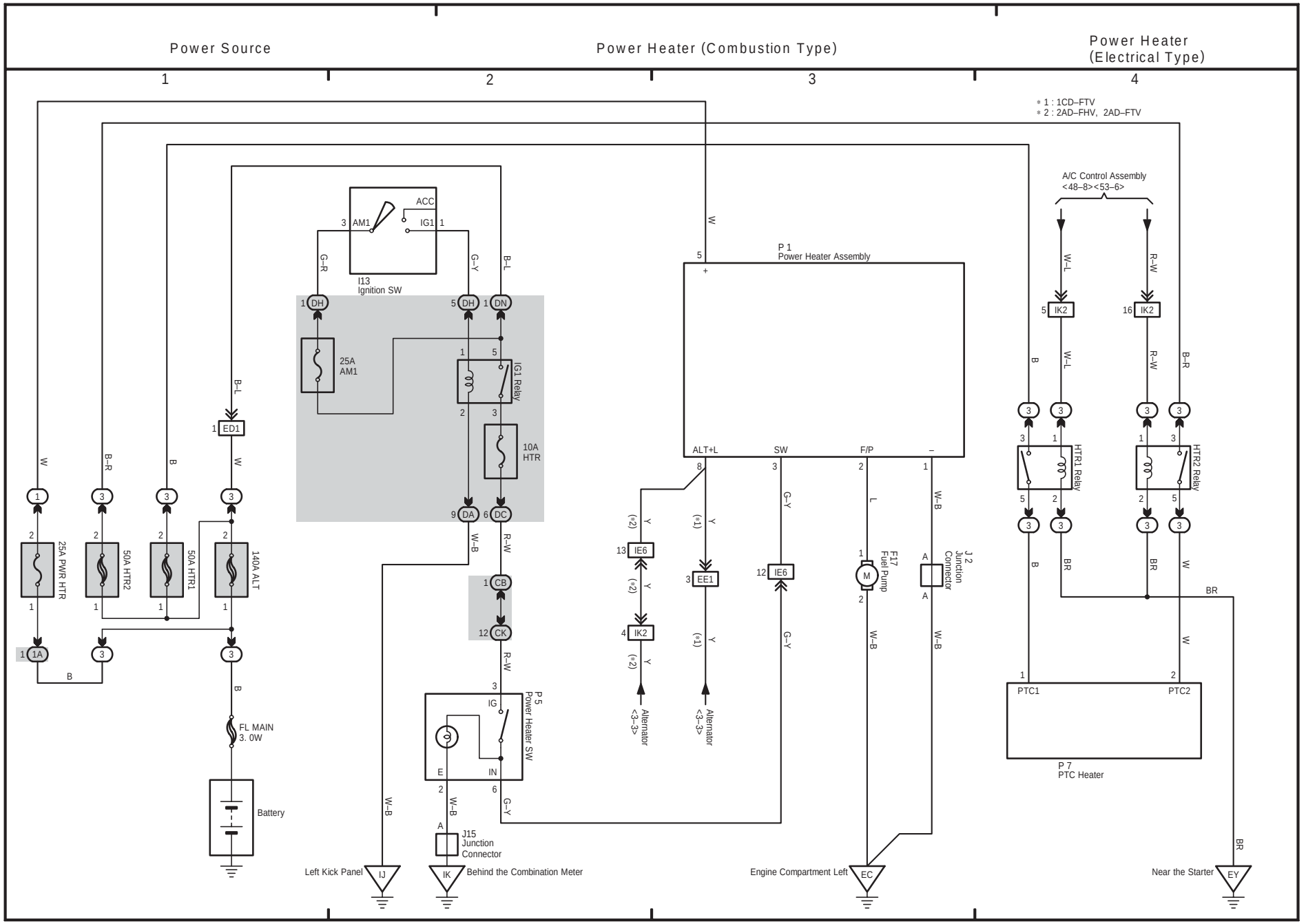

(Cont. next page)
Combination Meter
Power Source
42 AVENSIS
Outside Temp. ODO/TRIP
Temp.
Fuel
Tachometer
Speedometer
CPU
A/T Shift (A/T) Clock
Door
C10(A), C11(B) Combination Meter
Engine and ECT ECU (A/T)
<5–17><6–13><7–12>
Engine ECU (M/T)
<5–17><6–13><7–12>
<8–13><50–17><51–13>
Skid Control ECU with Actuator
<20–6><21–5>
EPS ECU
<23–4>
Tire Pressure Monitor ECU
<52–3>
Headlight Beam Level Control ECU<24–3>
(w/ HID)
Moon Roof Control Relay and Motor
<32–3>
Multi–Display
<39–6>
J10(A), J11(B), J20(C), J21(D) Junction Connector
Navigation ECU
<39–6>
Option Connector
(Navigation ECU)<49–3>
Engine and ECT ECU (A/T)
<5–12><6–11><7–10>
Engine ECU (M/T)
<5–12><6–11><7–10>
<8–12><50–15><51–12>
J10(A), J11(B), J26(C) Junction Connector
J 8(A), J 9(B), J20(C), J21(D) Junction Connector
J15 Junction Connector
Behind the Combination Meter
Right Kick Panel
Left Kick Panel
7. 5A RAD NO. 1
10A GAUGE1
IG1 Relay
25A AM1
I13 Ignition SW
120A ALT (*3)
100A ALT (*4)
140A ALT
30A AM2
30A DCC
7. 5A DOME
FL MAIN
Battery
* 1 : Gasoline
* 2 : Diesel
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
* 5 : w/ Multi–Display
* 6 : w/ Moon Roof
* 7 : w/ Navigation System (Map Type)
* 8 : w/ EPS

(Cont. next page)





42 AVENSIS (Cont' d)


Power Source
Power Heater (Combustion Type)
Power Heater (Electrical Type)
1
2
3
4
* 1 : 1CD–FTV
* 2 : 2AD–FHV, 2AD–FTV
A/C Control Assembly <48–8><53–6>
ACC
IG1
AM1
I13 Ignition SW
25A AM1
IG1 Relay
10A HTR
ED1
25A PWR HTR
50A HTR2
50A HTR1
140A ALT
1A
FL MAIN 3. 0W
Battery
P 1 Power Heater Assembly
ALT+L
SW
F/P
–
IE6
EE1
Alternator <3–3>
F17 Fuel Pump
J2 Junction Connector
IK2
HTR1 Relay
HTR2 Relay
PTC1
PTC2
P 7 PTC Heater
DH
DN
DA
DC
CB
CK
IG
E
IN
P 5 Power Heater SW
J15 Junction Connector
Left Kick Panel
IJ
IK
Behind the Combination Meter
Engine Compartment Left
EC
Near the Starter
EY

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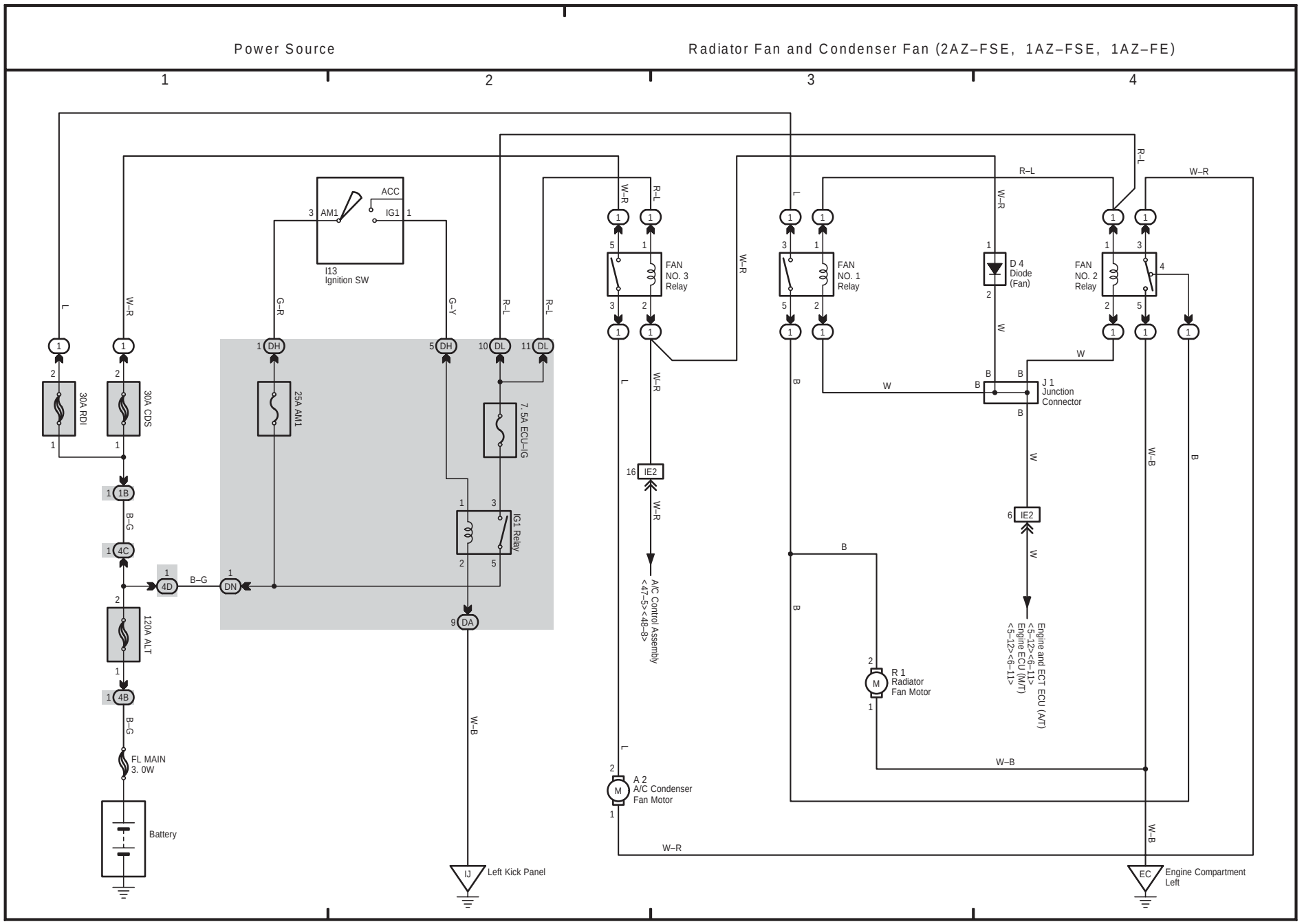
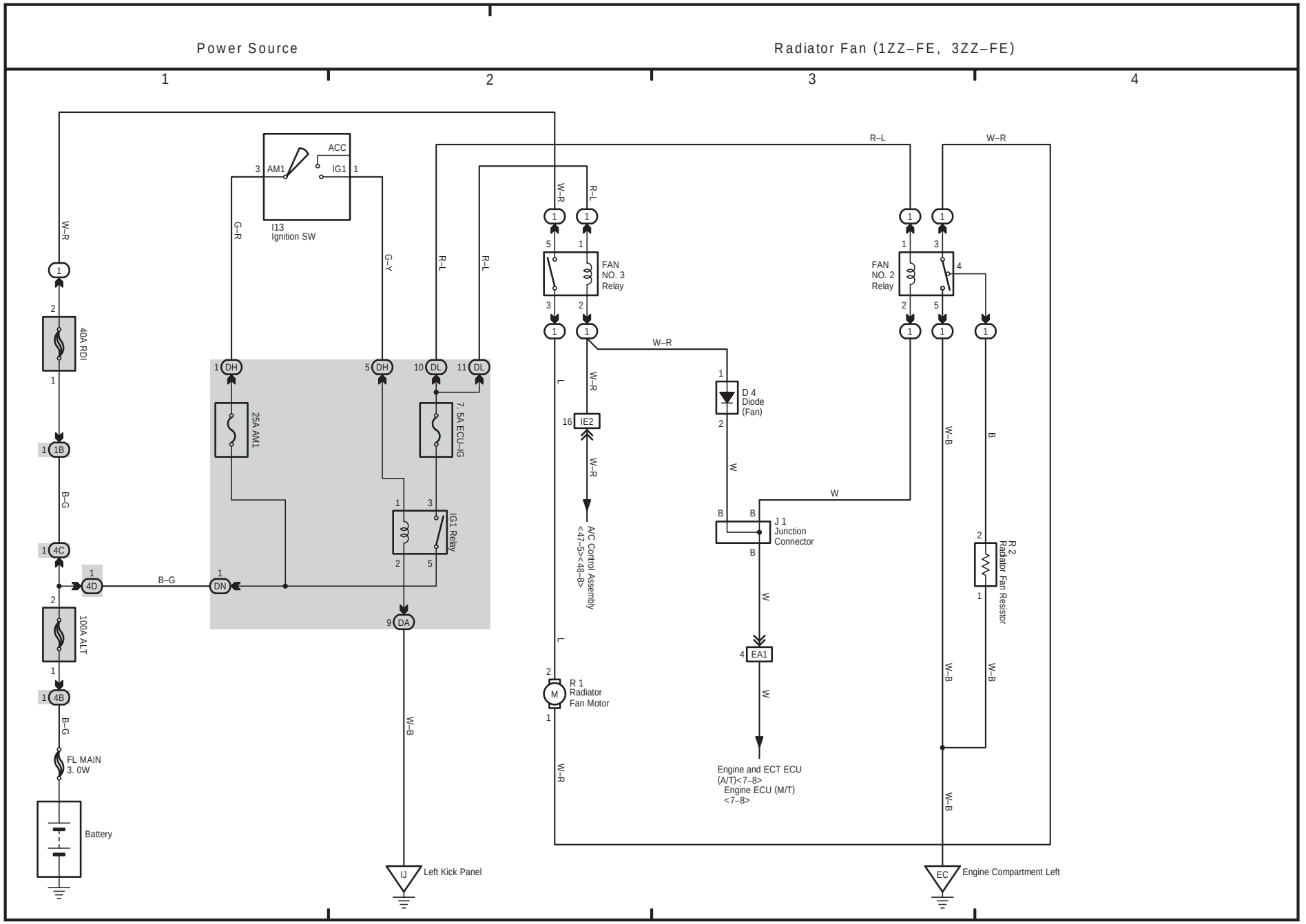

Power Source
Radiator Fan and Condenser Fan (2AZ–FSE, 1AZ–FSE, 1AZ–FE)
1
2
3
4
ACC
AM1
IG1
I13
Ignition SW
30A RDI
30A CDS
25A AM1
7.5A ECU–IG
IG1 Relay
120A ALT
FL MAIN
3.0W
Battery
FAN NO. 3 Relay
FAN NO. 1 Relay
FAN NO. 2 Relay
D 4
Diode (Fan)
J 1
Junction Connector
A 2
A/C Condenser Fan Motor
R 1
Radiator Fan Motor
A/C Control Assembly
<47–5><48–8>
Engine and ECT ECU (A/T)
<5–12><6–11>
Engine ECU (M/T)
<5–12><6–11>
Left Kick Panel
Engine Compartment Left
L
W–R
R–L
G–R
G–Y
B–G
W–B
W
B


Power Source
Radiator Fan (1ZZ–FE, 3ZZ–FE)
1
2
3
4
ACC
3 AM1
IG1 1
I13
Ignition SW
W–R
G–R
G–Y
R–L
R–L
W–R
R–L
W–R
FAN
NO. 3
Relay
FAN
NO. 2
Relay
40A RDI
1B
B–G
4C
4D
B–G
100A ALT
4B
B–G
FL MAIN
3. 0W
Battery
1 DH
5 DH
10 DL
11 DL
25A AM1
7. 5A ECU–IG
IG1 Relay
1 DN
9 DA
W–R
16 IE2
A/C Control Assembly
<47–5><48–8>
L
L
D 4
Diode
(Fan)
W
W
B
B
J 1
Junction
Connector
B
W
4 EA1
W
R 1
Radiator
Fan Motor
W–R
Engine and ECT ECU
(A/T)<7–8>
Engine ECU (M/T)
<7–8>
W–B
W–B
W–B
B
R 2
Radiator Fan Resistor
W–B
IJ
Left Kick Panel
EC
Engine Compartment Left

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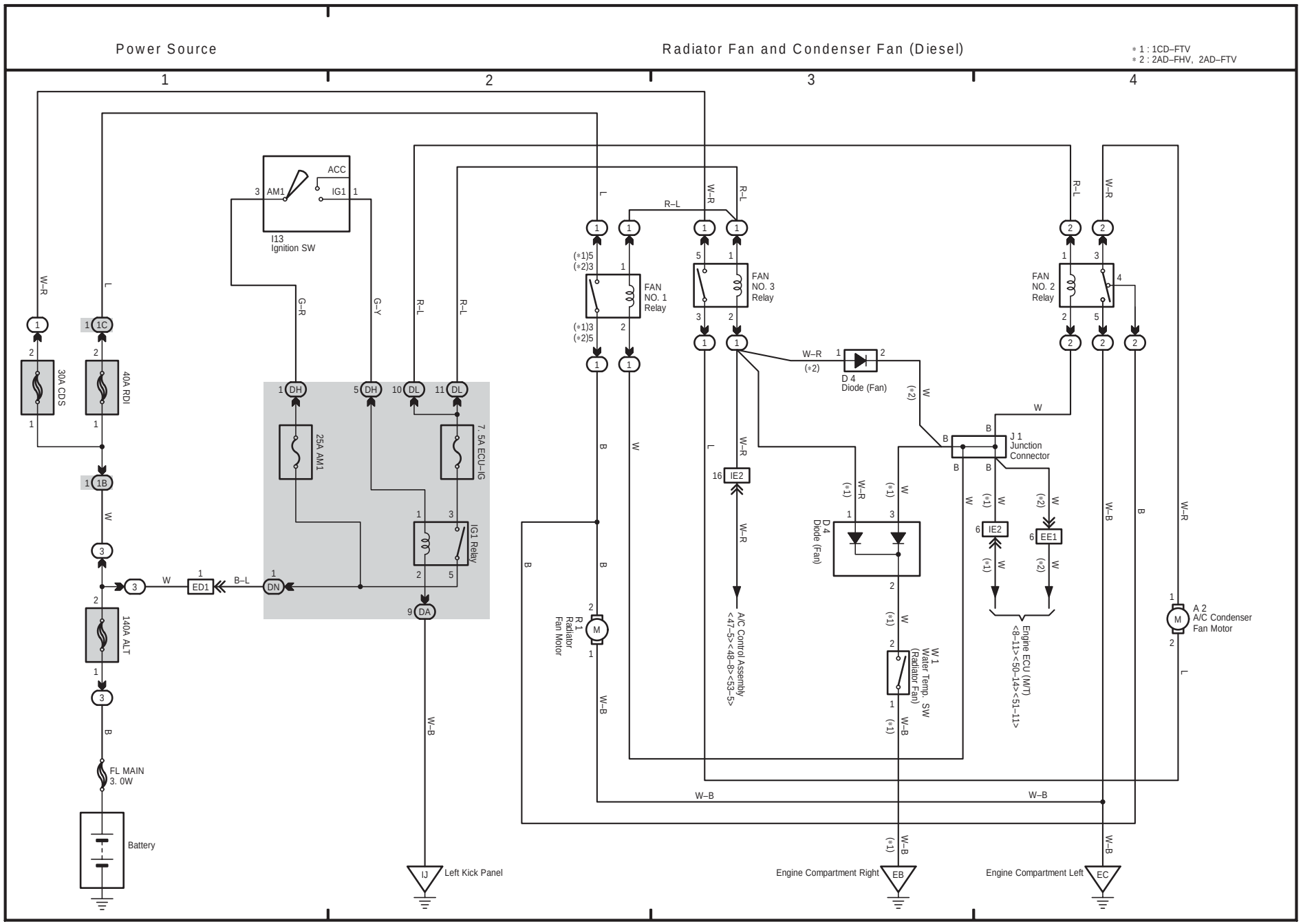
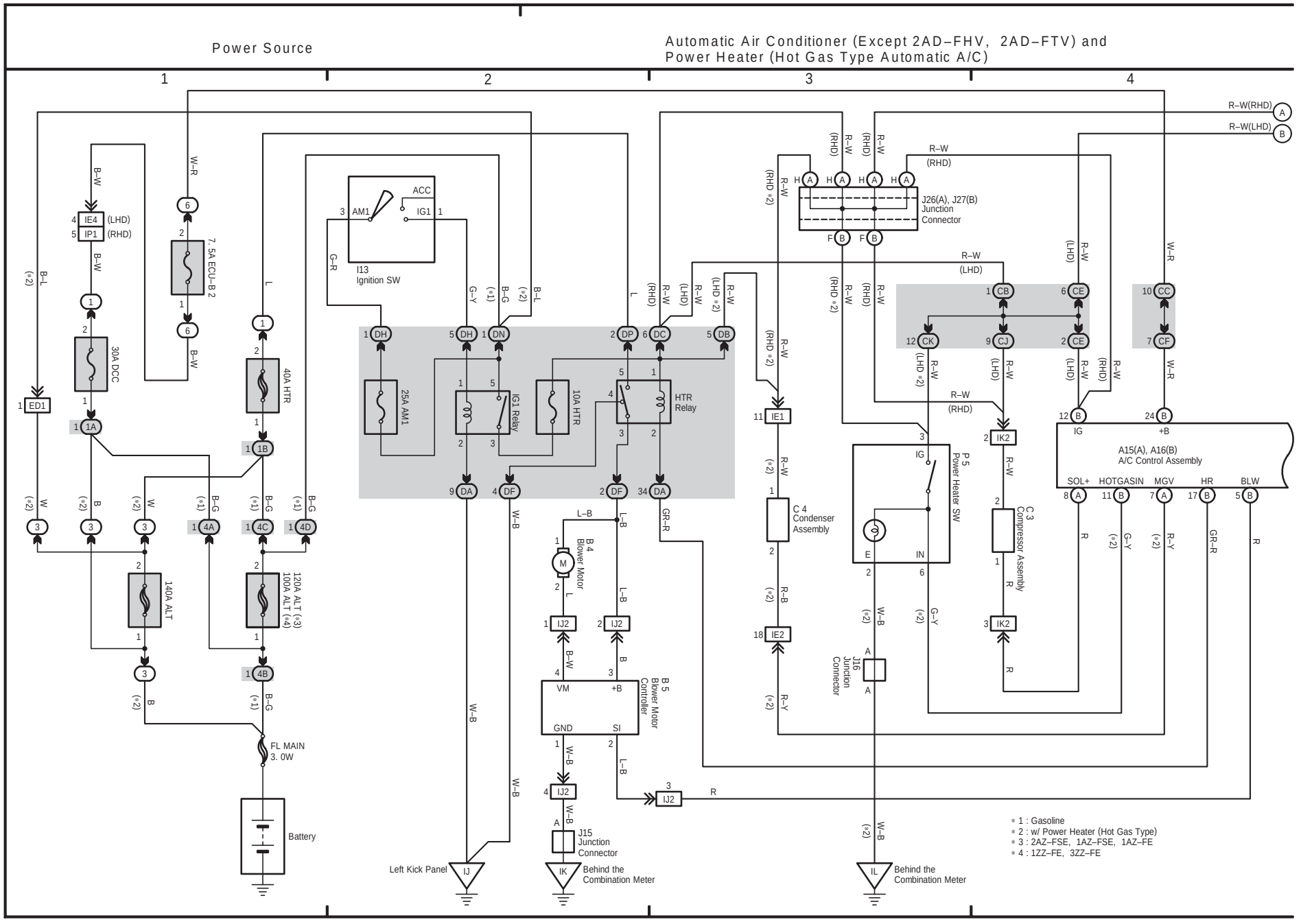
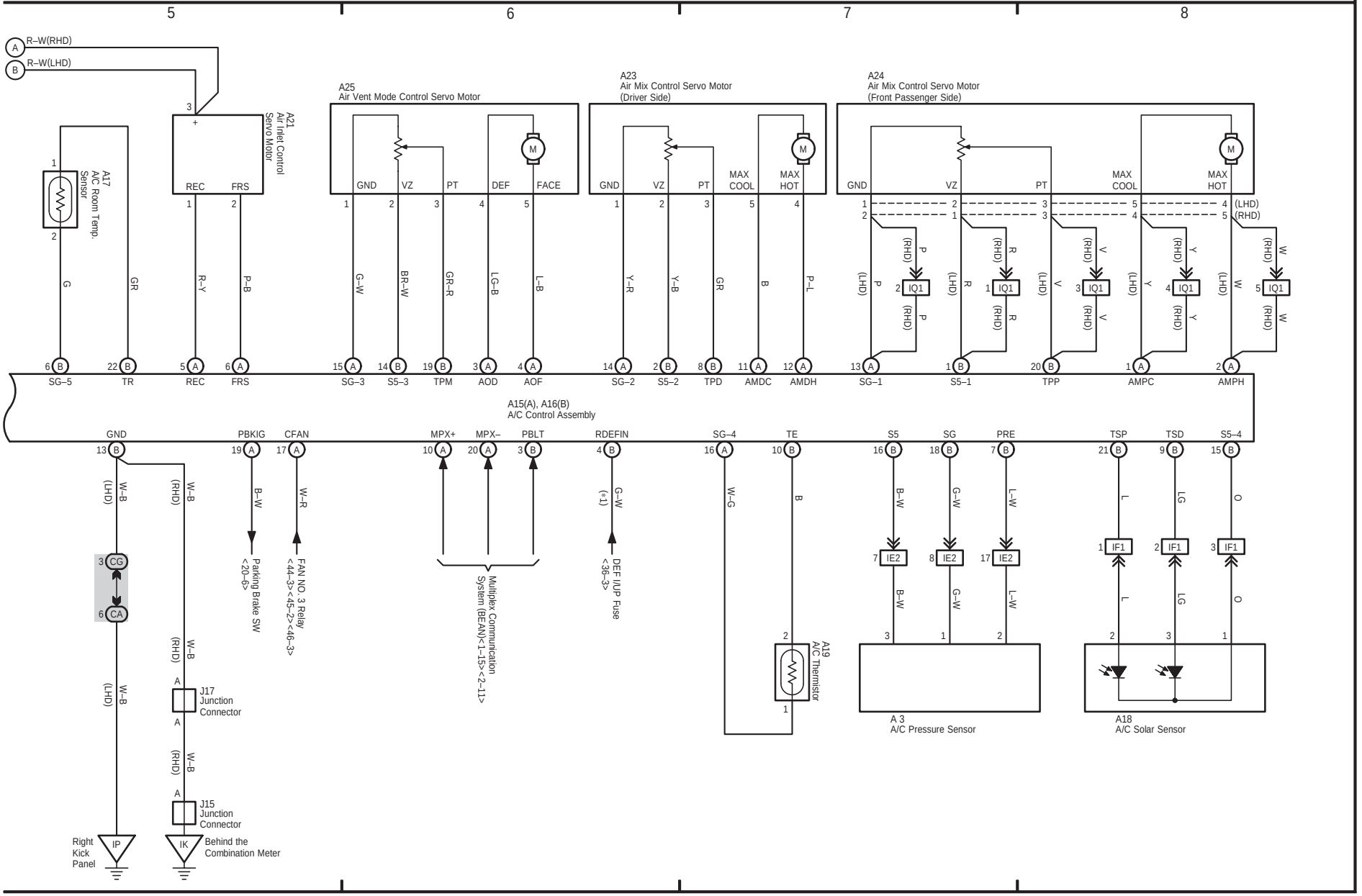

Power Source
Radiator Fan and Condenser Fan (Diesel)
* 1 : 1CD–FTV
* 2 : 2AD–FHV, 2AD–FTV
1
2
3
4
ACC
AM1
IG1
I13
Ignition SW
30A CDS
40A RDI
140A ALT
FL MAIN
3. 0W
Battery
25A AM1
7. 5A ECU–IG
IG1 Relay
ED1
DN
DA
DH
DL
FAN
NO. 1
Relay
FAN
NO. 3
Relay
FAN
NO. 2
Relay
D 4
Diode (Fan)
J 1
Junction
Connector
IE2
EE1
R 1
Radiator
Fan Motor
A/C Control Assembly
<47–5><48–8><53–5>
W 1
Water Temp. SW
(Radiator Fan)
Engine ECU (M/T)
<8–11><50–14><51–11>
A 2
A/C Condenser
Fan Motor
IJ
Left Kick Panel
Engine Compartment Right
EB
Engine Compartment Left
EC


Power Source
Automatic Air Conditioner (Except 2AD–FHV, 2AD–FTV) and Power Heater (Hot Gas Type Automatic A/C)
1
2
3
4
ACC
IG1
AM1
I13 Ignition SW
7. 5A ECU–B 2
30A DCC
40A HTR
140A ALT
120A ALT (*3) 100A ALT (*4)
FL MAIN 3. 0W
Battery
25A AM1
IG1 Relay
10A HTR
HTR Relay
J26(A), J27(B) Junction Connector
C 4 Condenser Assembly
P 5 Power Heater SW
C 3 Compressor Assembly
J16 Junction Connector
A15(A), A16(B) A/C Control Assembly
SOL+
HOTGASIN
MGV
HR
BLW
B 4 Blower Motor
B 5 Blower Motor Controller
VM
+B
GND
SI
J15 Junction Connector
Left Kick Panel
Behind the Combination Meter
R–W(RHD)
R–W(LHD)
* 1 : Gasoline
* 2 : w/ Power Heater (Hot Gas Type)
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE

Automatic Air Conditioner (Except 2AD–FHV, 2AD–FTV) and Power Heater (Hot Gas Type Automatic A/C)

* 1 : Gasoline



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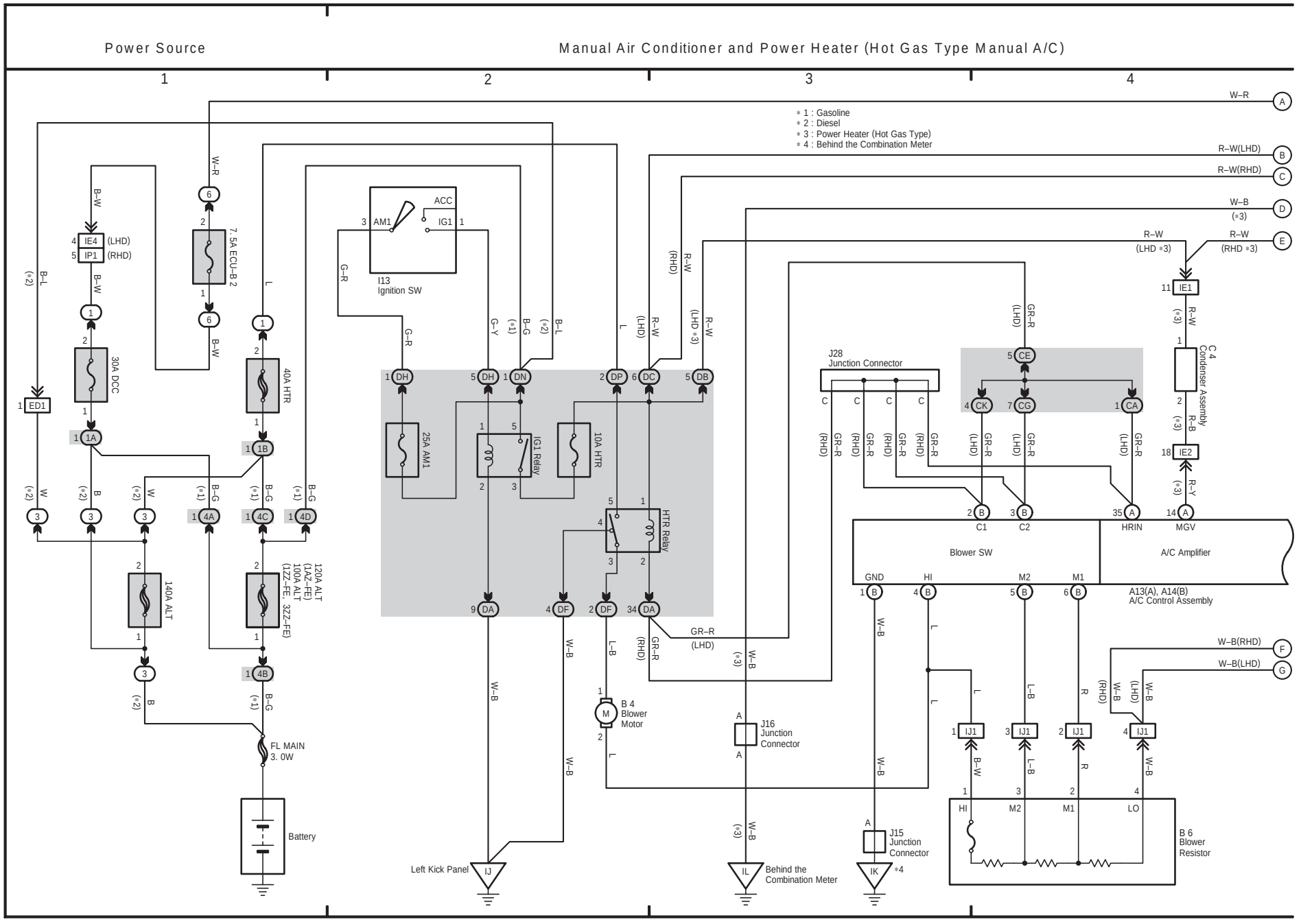
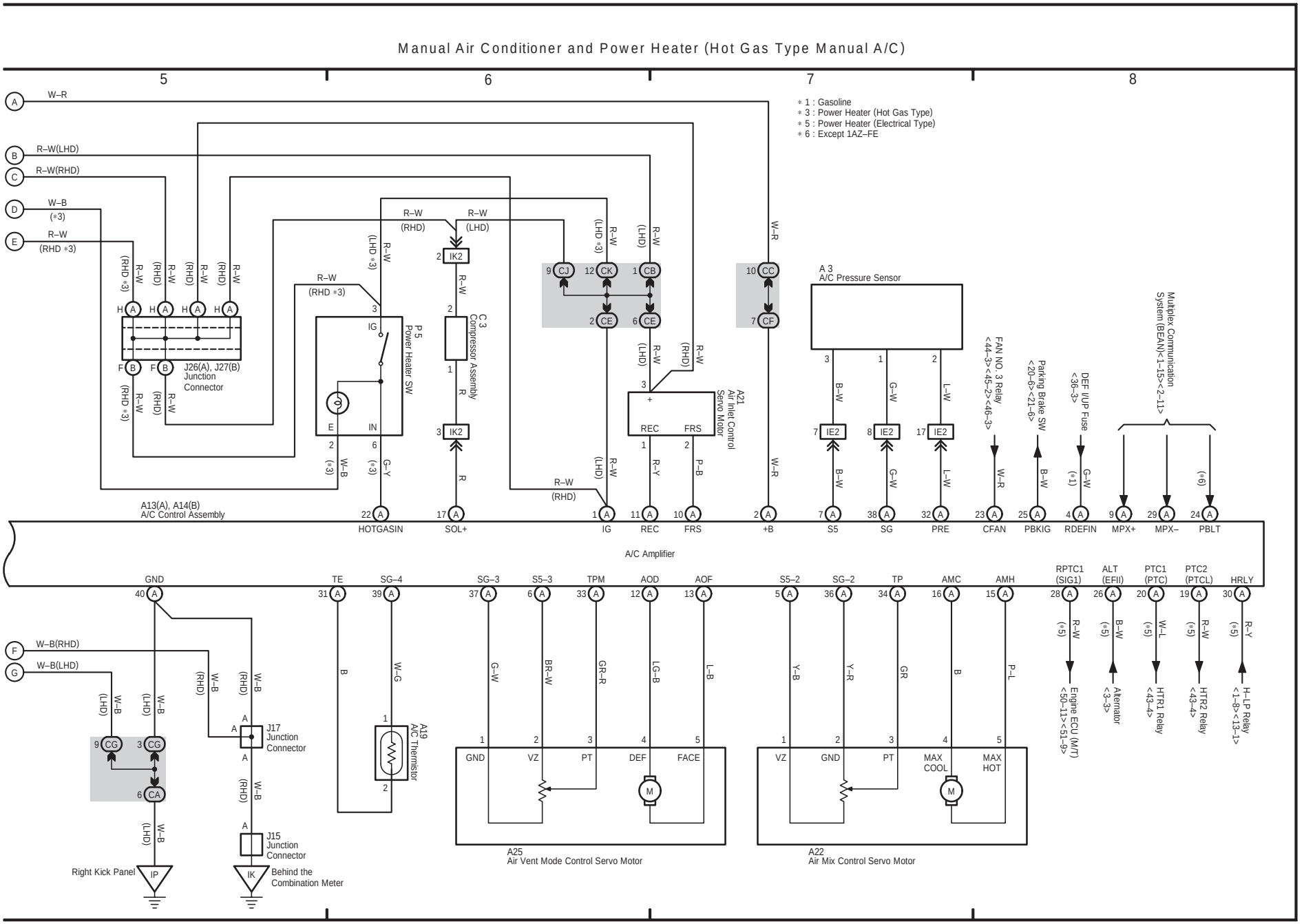
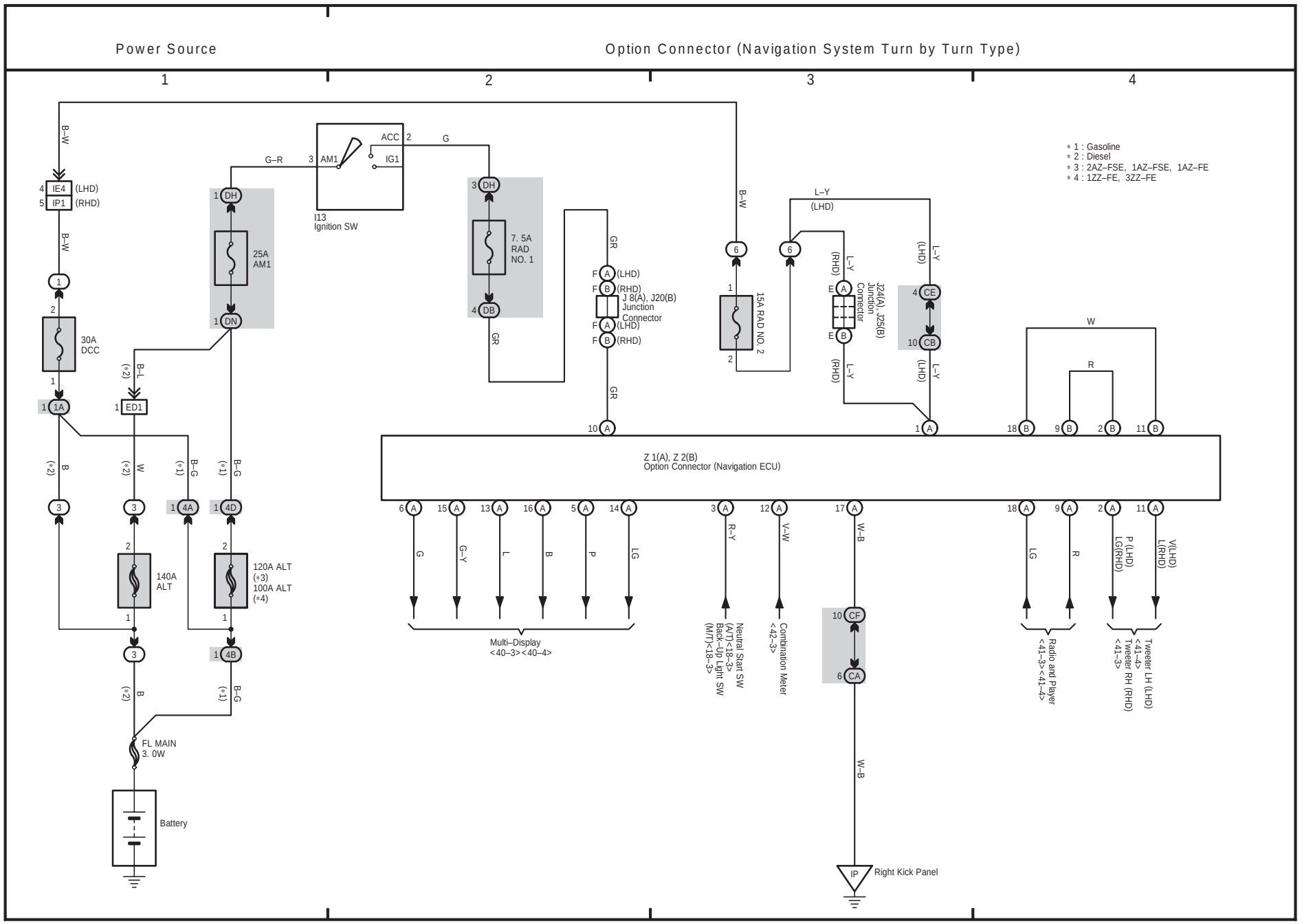
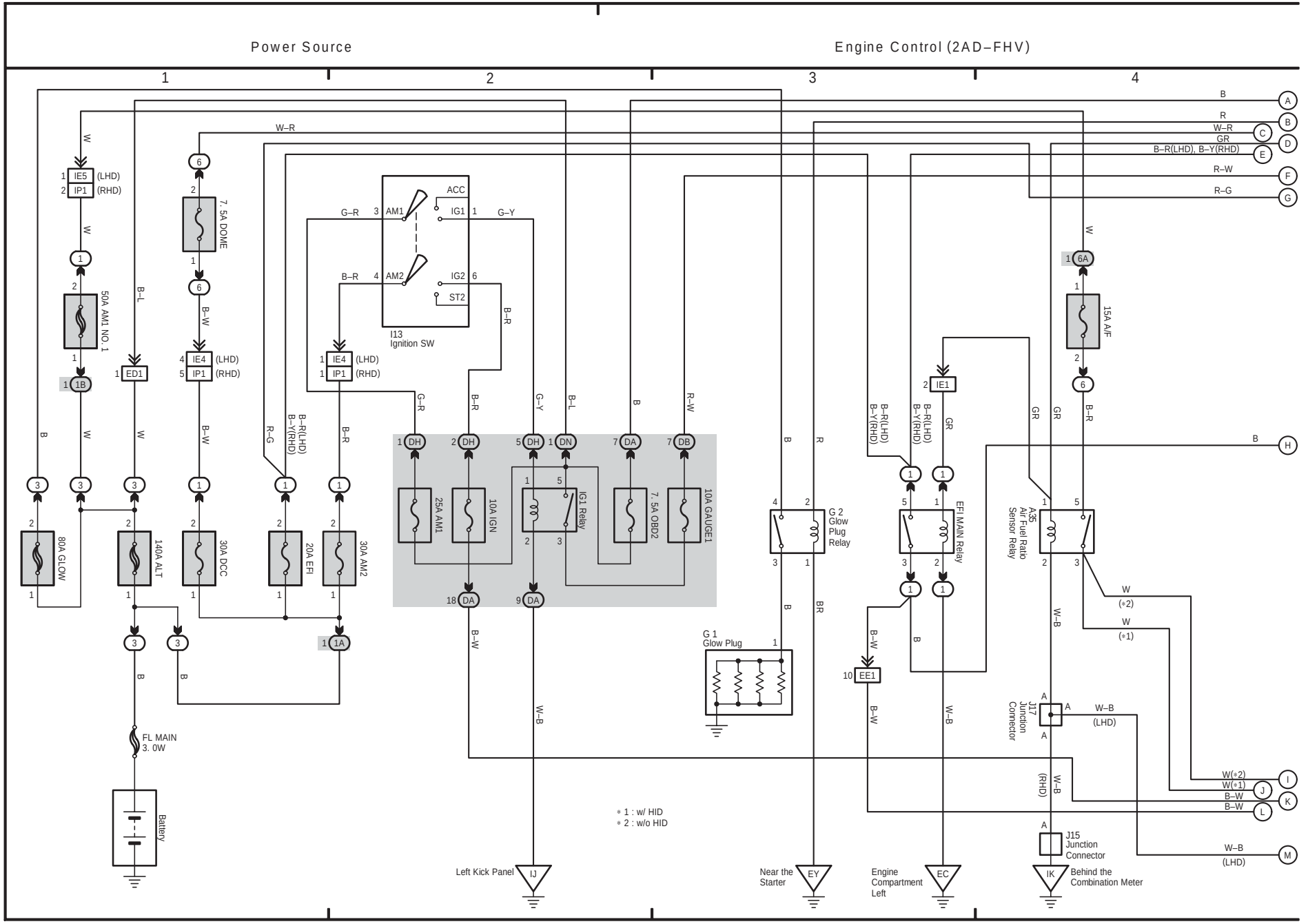



Manual Air Conditioner and Power Heater (Hot Gas Type Manual A/C)
5
6
7
8
* 1 : Gasoline
* 3 : Power Heater (Hot Gas Type)
* 5 : Power Heater (Electrical Type)
* 6 : Except 1AZ–FE
W–R
R–W(LHD)
R–W(RHD)
W–B
(*3)
R–W
(RHD *3)
J26(A), J27(B)
Junction
Connector
P 5
Power Heater SW
C 3
Compressor Assembly
A21
Air Inlet Control
Servo Motor
A 3
A/C Pressure Sensor
FAN NO. 3 Relay
<44–3><45–2><46–3>
Parking Brake SW
<20–6><21–6>
DEF I/UP Fuse
<36–3>
Multiplex Communication
System (BEAN)<1–15><2–11>
A13(A), A14(B)
A/C Control Assembly
HOTGASIN
SOL+
IG
REC
FRS
+B
S5
SG
PRE
CFAN
PBKIG
RDEFIN
MPX+
MPX–
PBLT
A/C Amplifier
GND
TE
SG–4
SG–3
S5–3
TPM
AOD
AOF
S5–2
SG–2
TP
AMC
AMH
RPTC1
(SIG1)
ALT
(EFII)
PTC1
(PTC)
PTC2
(PTCL)
HRLY
Engine ECU (M/T)
<50–11><51–9>
Alternator
<3–3>
HTR1 Relay
<43–4>
HTR2 Relay
<43–4>
H–LP Relay
<1–8><13–1>
J17
Junction
Connector
J15
Junction
Connector
A19
A/C Thermistor
A25
Air Vent Mode Control Servo Motor
A22
Air Mix Control Servo Motor
Right Kick Panel
IP
IK
Behind the
Combination Meter

49 AVENSIS


Power Source
Option Connector (Navigation System Turn by Turn Type)
1
2
3
4
* 1 : Gasoline
* 2 : Diesel
* 3 : 2AZ–FSE, 1AZ–FSE, 1AZ–FE
* 4 : 1ZZ–FE, 3ZZ–FE
B–W
4 IE4 (LHD)
5 IP1 (RHD)
1 DH
25A AM1
1 DN
ACC 2
G
G–R
3 AM1
IG1
I13 Ignition SW
3 DH
7. 5A RAD NO. 1
4 DB
GR
F A (LHD)
F B (RHD)
J 8(A), J20(B) Junction Connector
F A (LHD)
F B (RHD)
GR
10 A
B–W
6
1
15A RAD NO. 2
2
L–Y (LHD)
6
L–Y (RHD)
E A
J24(A), J25(B) Junction Connector
E B
L–Y (RHD)
L–Y (LHD)
4 CE
10 CB
L–Y (LHD)
1 A
W
R
18 B
9 B
2 B
11 B
1
2
30A DCC
1
1 1A
B–L (*2)
1 ED1
B (*2)
W (*2)
B–G (*1)
B–G (*1)
3
3
1 4A
1 4D
2
2
140A ALT
120A ALT (*3)
100A ALT (*4)
1
1
3
1 4B
B (*2)
B–G (*1)
FL MAIN 3. 0W
Battery
Z 1(A), Z 2(B)
Option Connector (Navigation ECU)
6 A
15 A
13 A
16 A
5 A
14 A
G
G–Y
L
B
P
LG
Multi–Display
<40–3><40–4>
3 A
12 A
R–Y
V–W
Neutral Start SW (A/T)<18–3>
Back–Up Light SW (M/T)<18–3>
Combination Meter
<42–3>
17 A
W–B
10 CF
6 CA
W–B
IP
Right Kick Panel
18 A
9 A
2 A
11 A
LG
R
P (LHD)
LG(RHD)
V(LHD)
L(RHD)
Radio and Player
<41–3><41–4>
Tweeter RH (RHD)
<41–3>
Tweeter LH (LHD)
<41–4>



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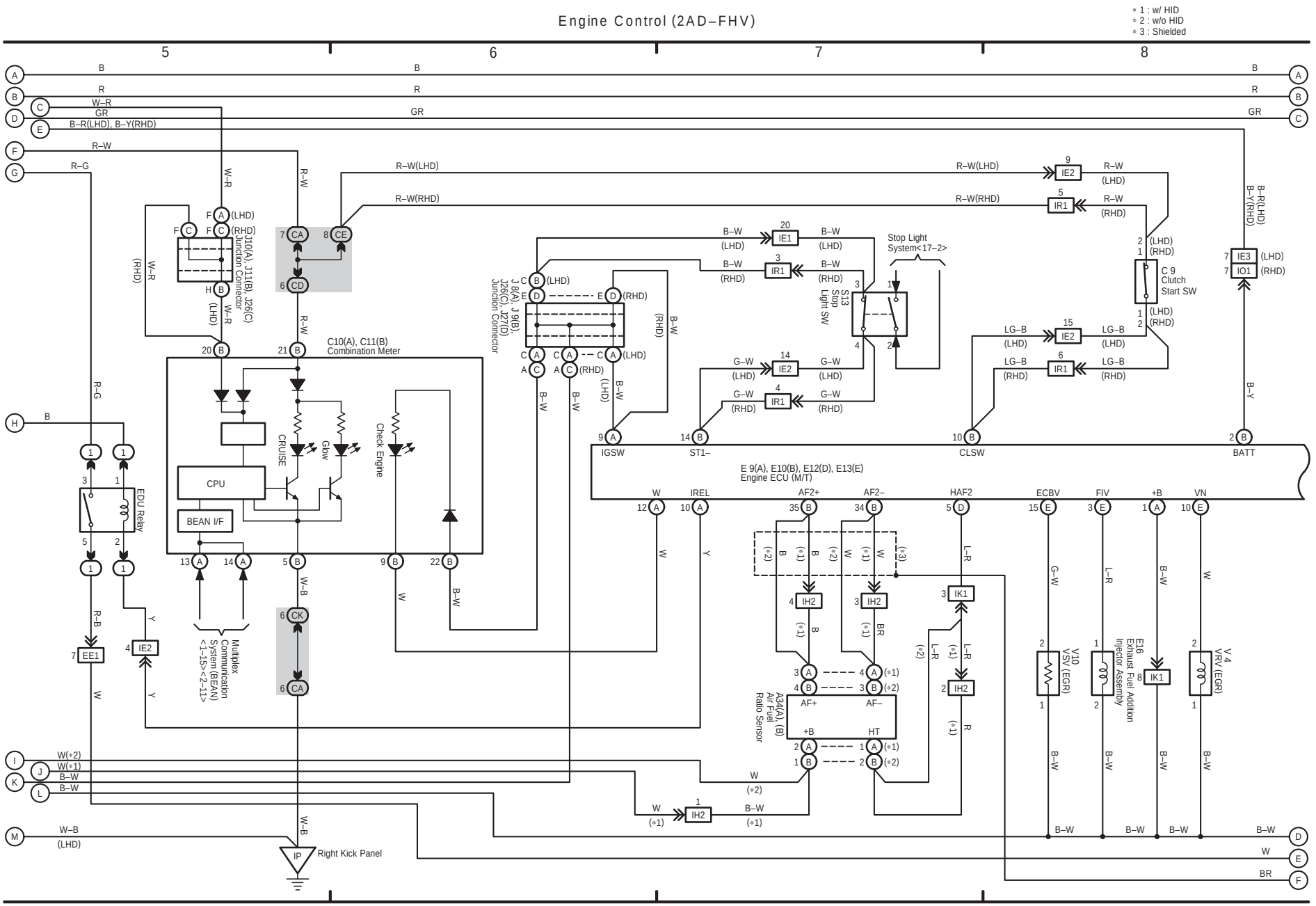

50 AVENSIS (Cont' d)

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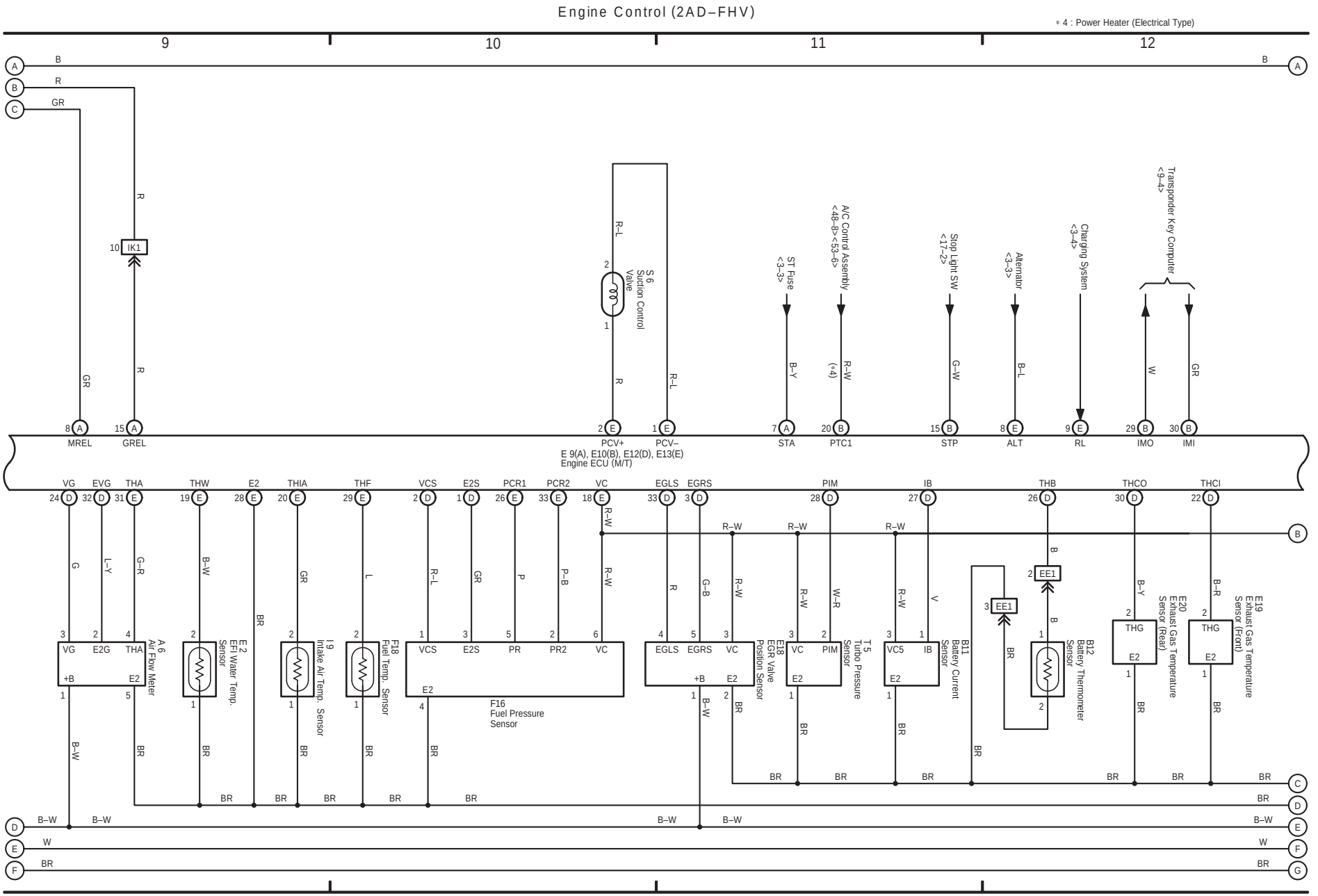

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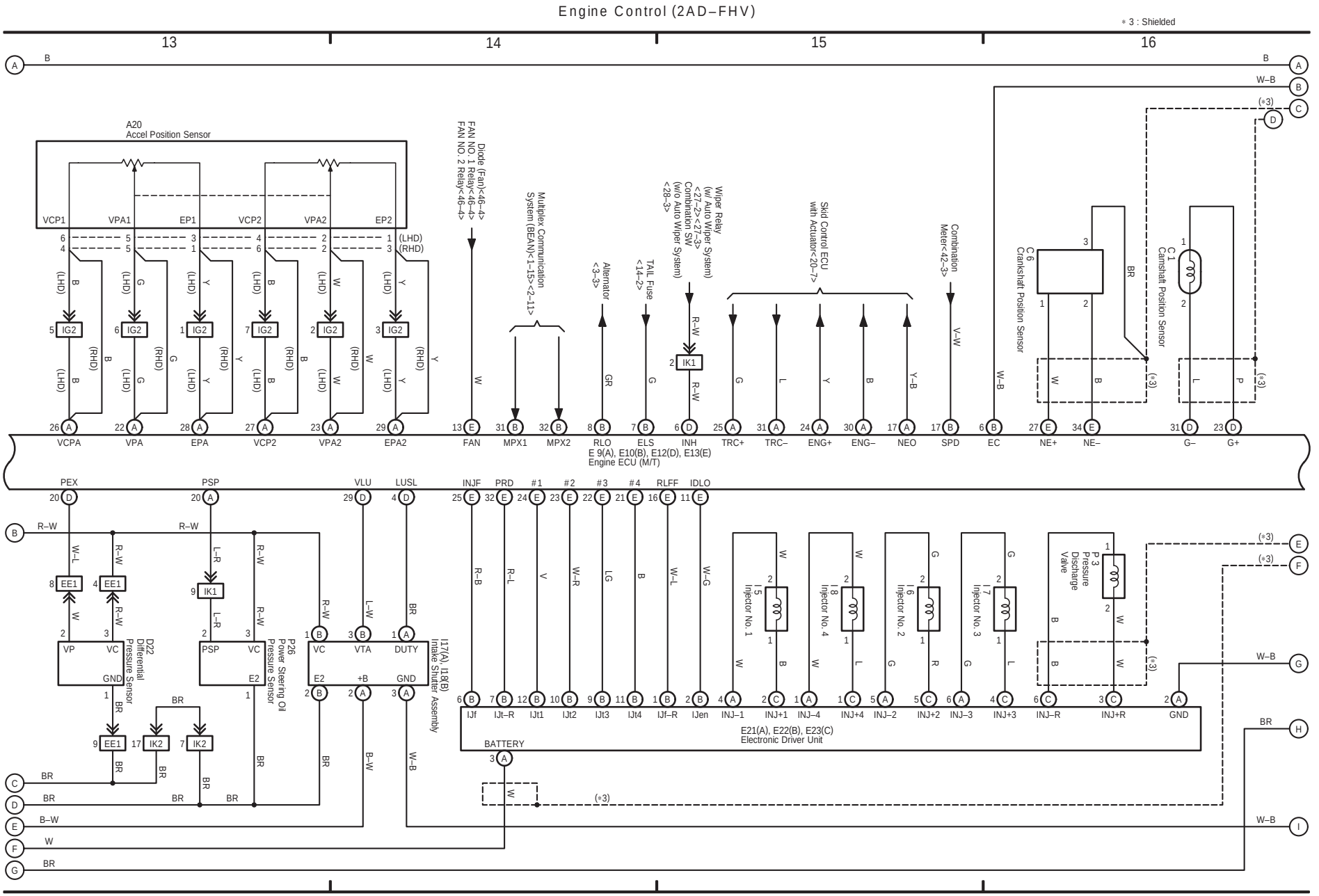
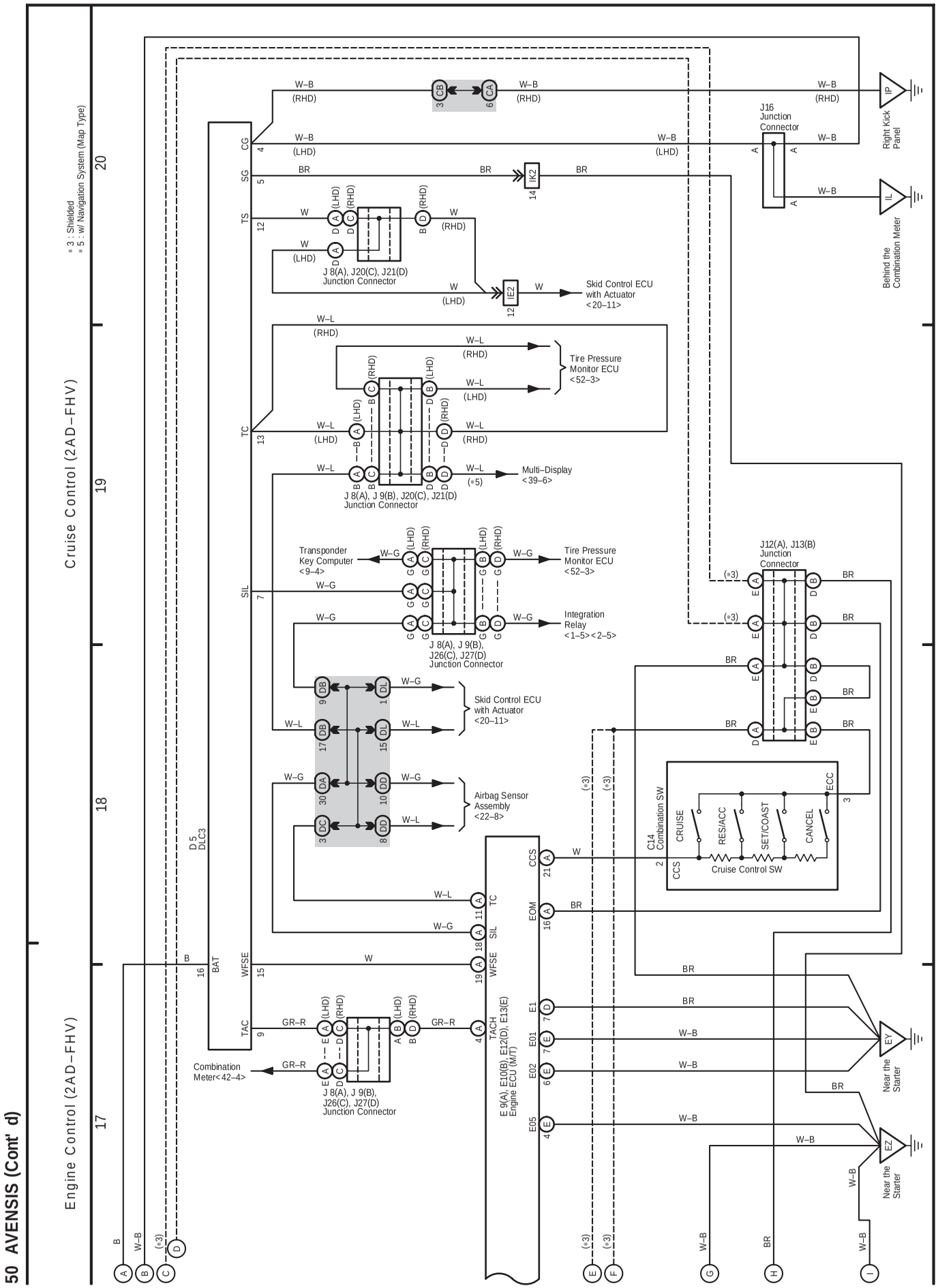
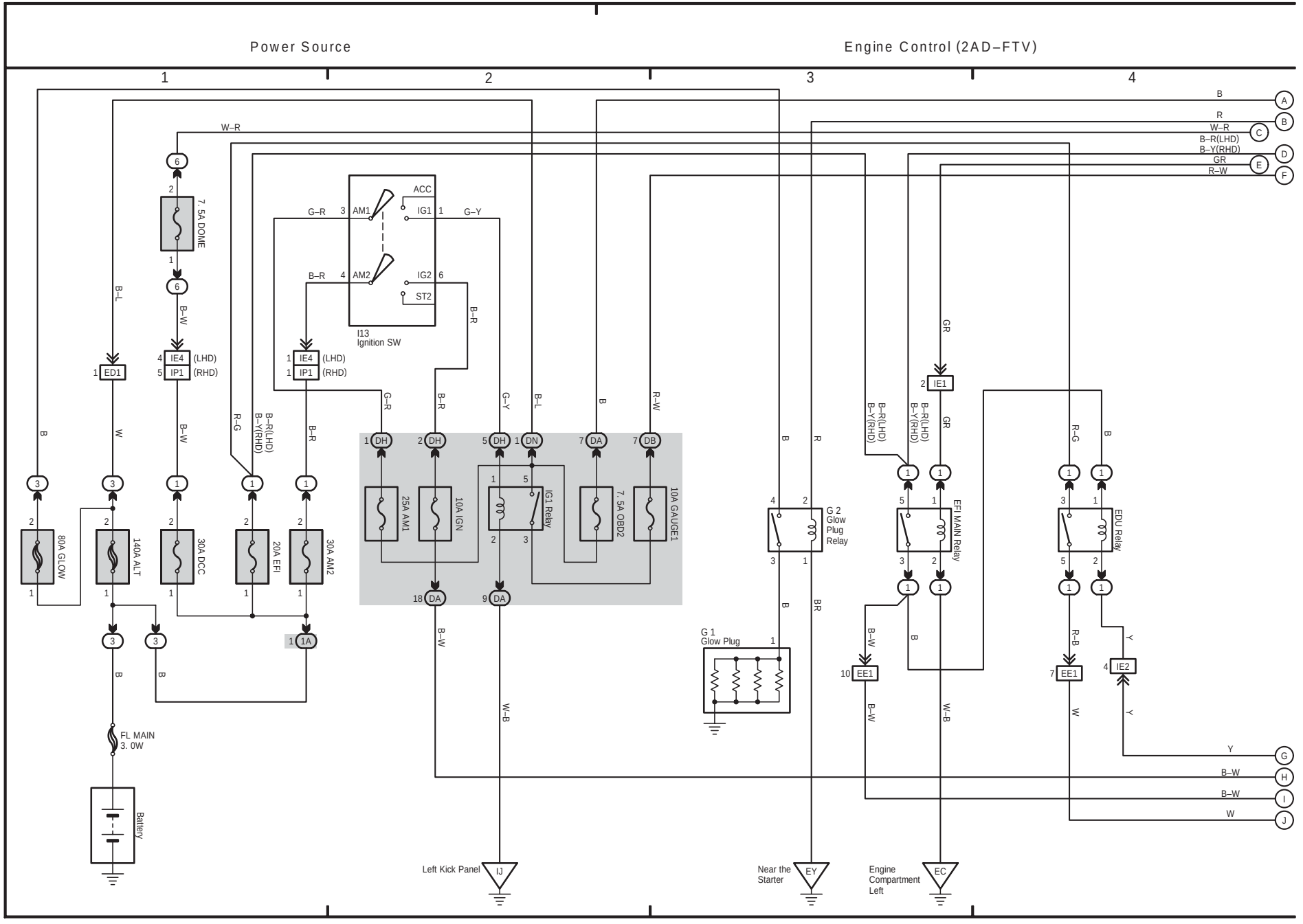
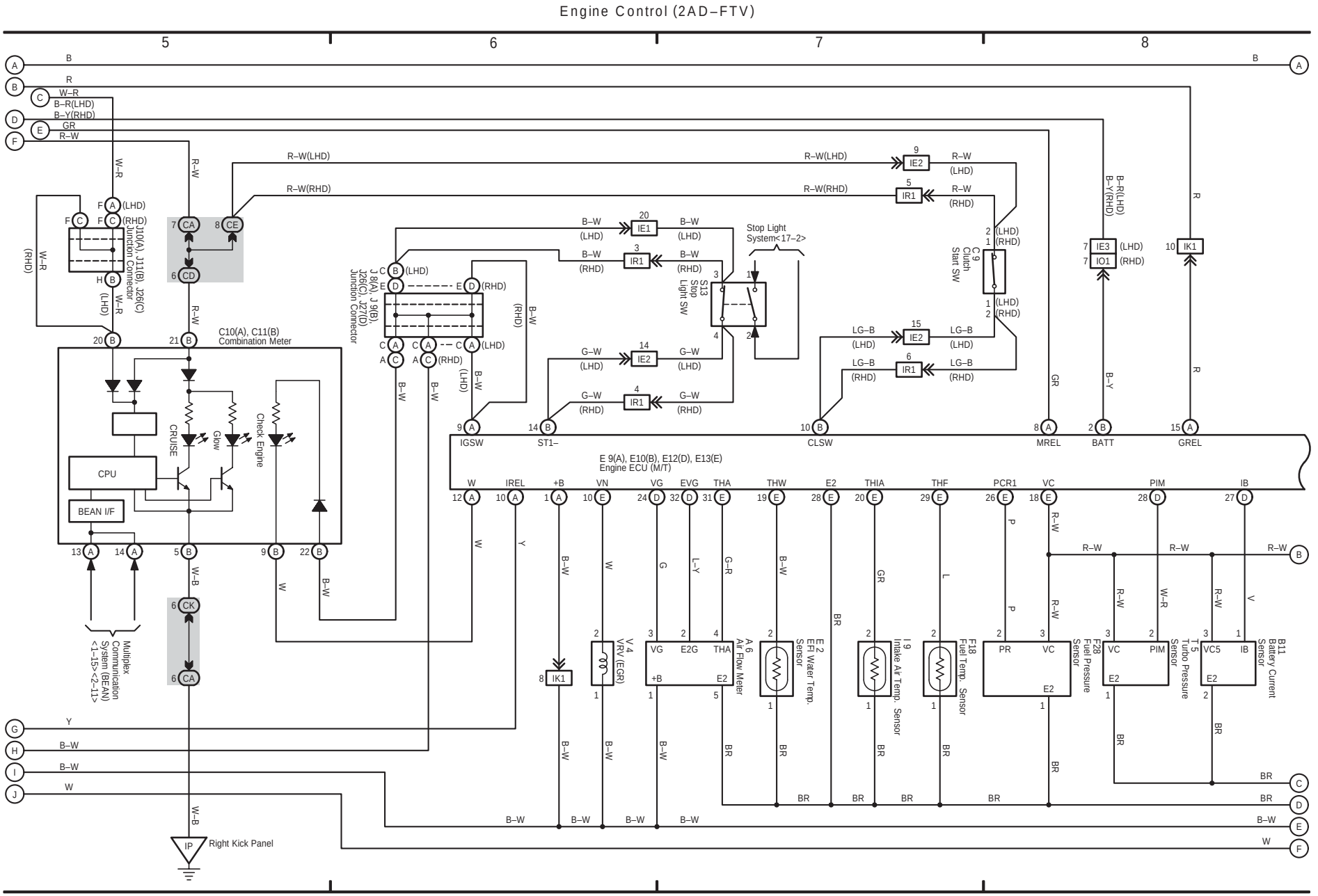



50 AVENSIS (Cont' d)
Engine Control (2AD–FHV)
Cruise Control (2AD–FHV)
17
18
19
20
* 3 : Shielded
* 5 : w/ Navigation System (Map Type)
D 5
DLC3
BAT
WFSE
TAC
CG
SG
TS
TC
SIL
Combination Meter<42–4>
J 8(A), J 9(B), J26(C), J27(D) Junction Connector
J 8(A), J20(C), J21(D) Junction Connector
J 8(A), J 9(B), J20(C), J21(D) Junction Connector
J 8(A), J 9(B), J26(C), J27(D) Junction Connector
J16 Junction Connector
J12(A), J13(B) Junction Connector
Right Kick Panel
Behind the Combination Meter
Skid Control ECU with Actuator <20–11>
Tire Pressure Monitor ECU <52–3>
Multi–Display <39–6>
Transponder Key Computer <9–4>
Integration Relay <1–5><2–5>
Airbag Sensor Assembly <22–8>
C14 Combination SW
CRUISE
RES/ACC
SET/COAST
CANCEL
CCS
ECC
Cruise Control SW
E 9(A), E10(B), E12(D), E13(E) Engine ECU (M/T)
TACH
CCS
EOM
SIL
WFSE
E1
E01
E02
E05
Near the Starter
EY
EZ


Power Source
Engine Control (2AD–FTV)
1
2
3
4
7. 5A DOME
ACC
IG1
IG2
ST2
AM1
AM2
I13
Ignition SW
IE4 (LHD)
IP1 (RHD)
ED1
IE1
IE2
EE1
80A GLOW
140A ALT
30A DCC
20A EFI
30A AM2
25A AM1
10A IGN
IG1 Relay
7. 5A OBD2
10A GAUGE1
G 2 Glow Plug Relay
EFI MAIN Relay
EDU Relay
G 1 Glow Plug
FL MAIN 3. 0W
Battery
Left Kick Panel
IJ
Near the Starter
EY
Engine Compartment Left
EC
(Cont. next page)

(Cont. next page)

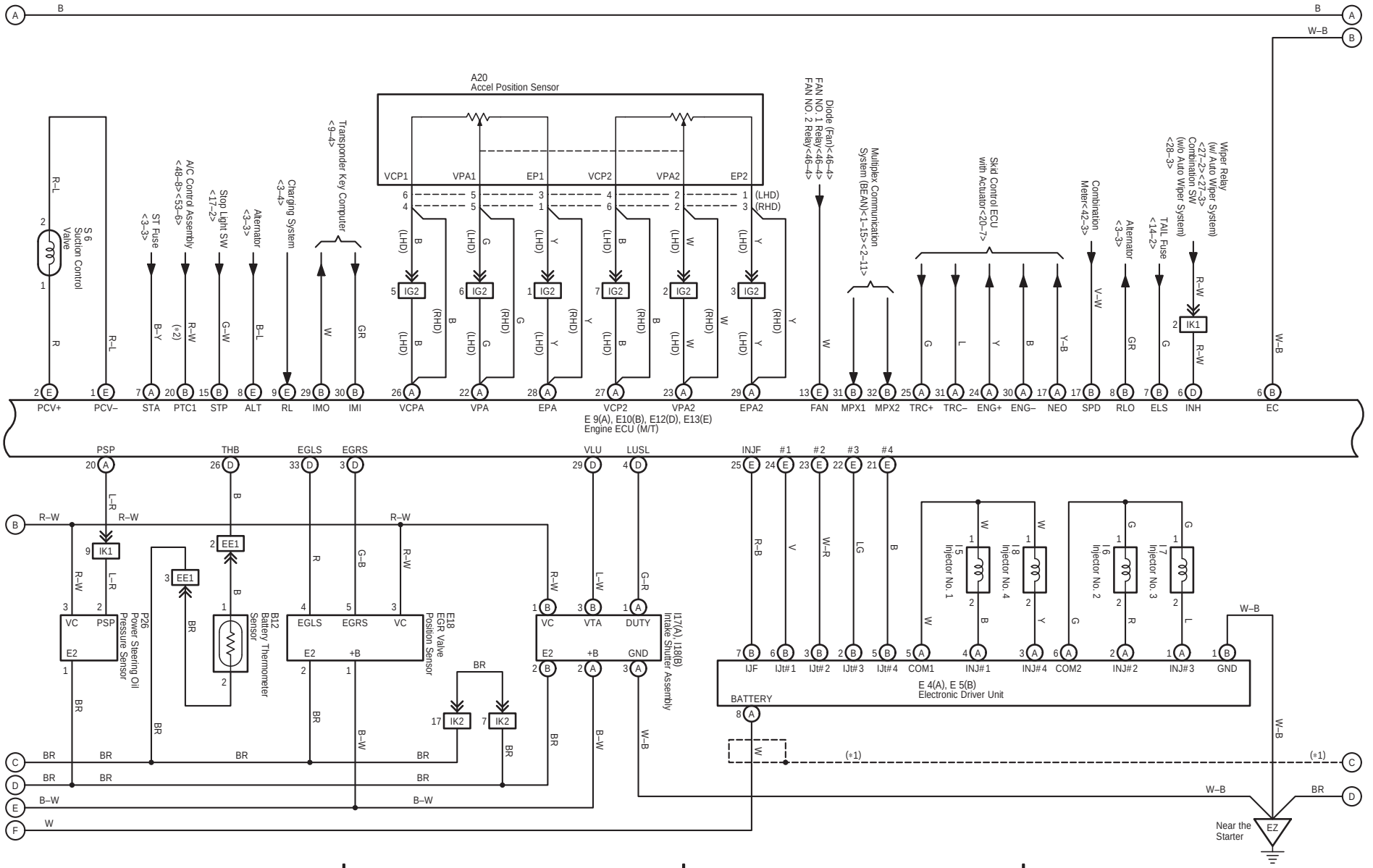


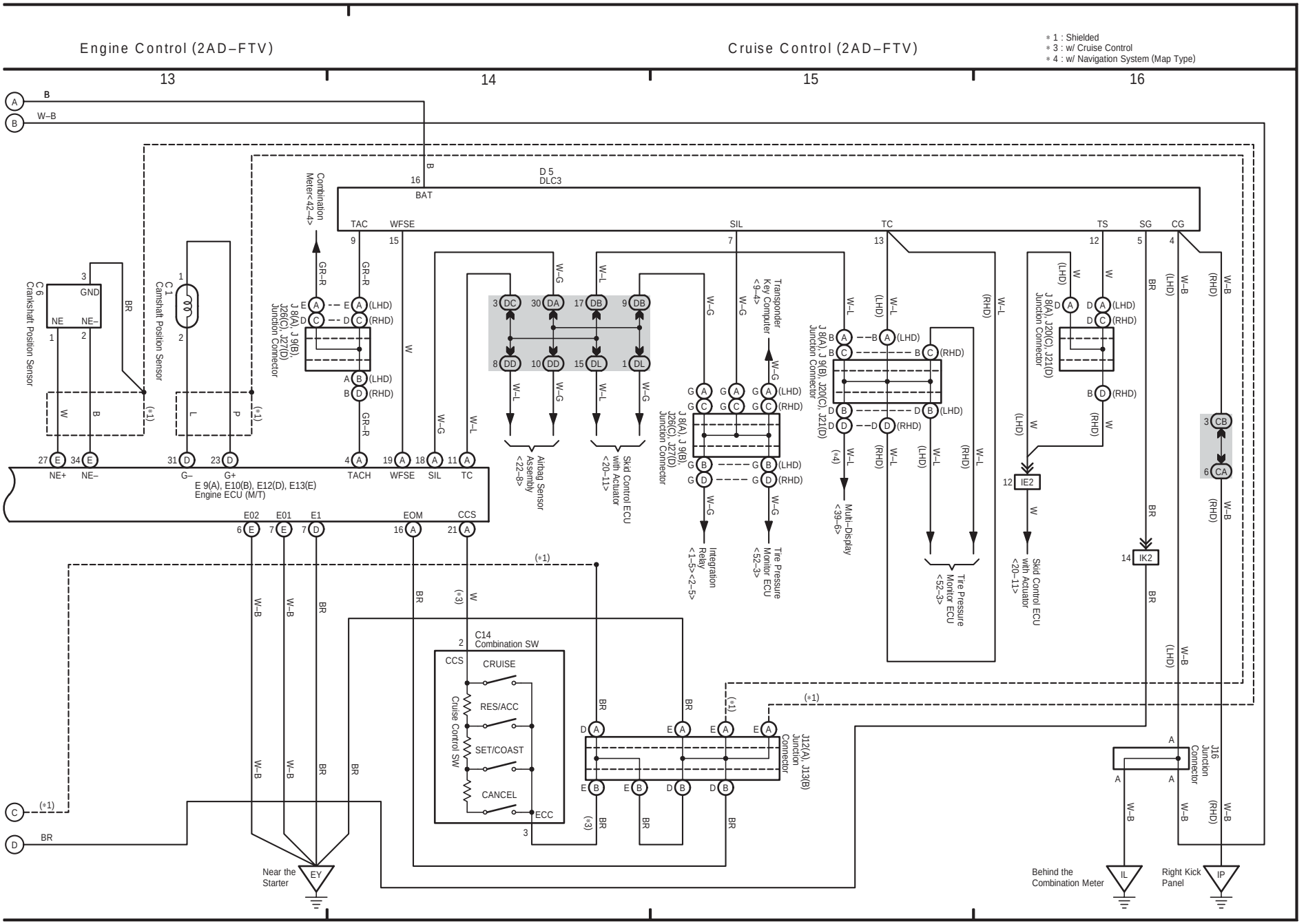
51 AVENSIS (Cont' d)

(Cont. next page)

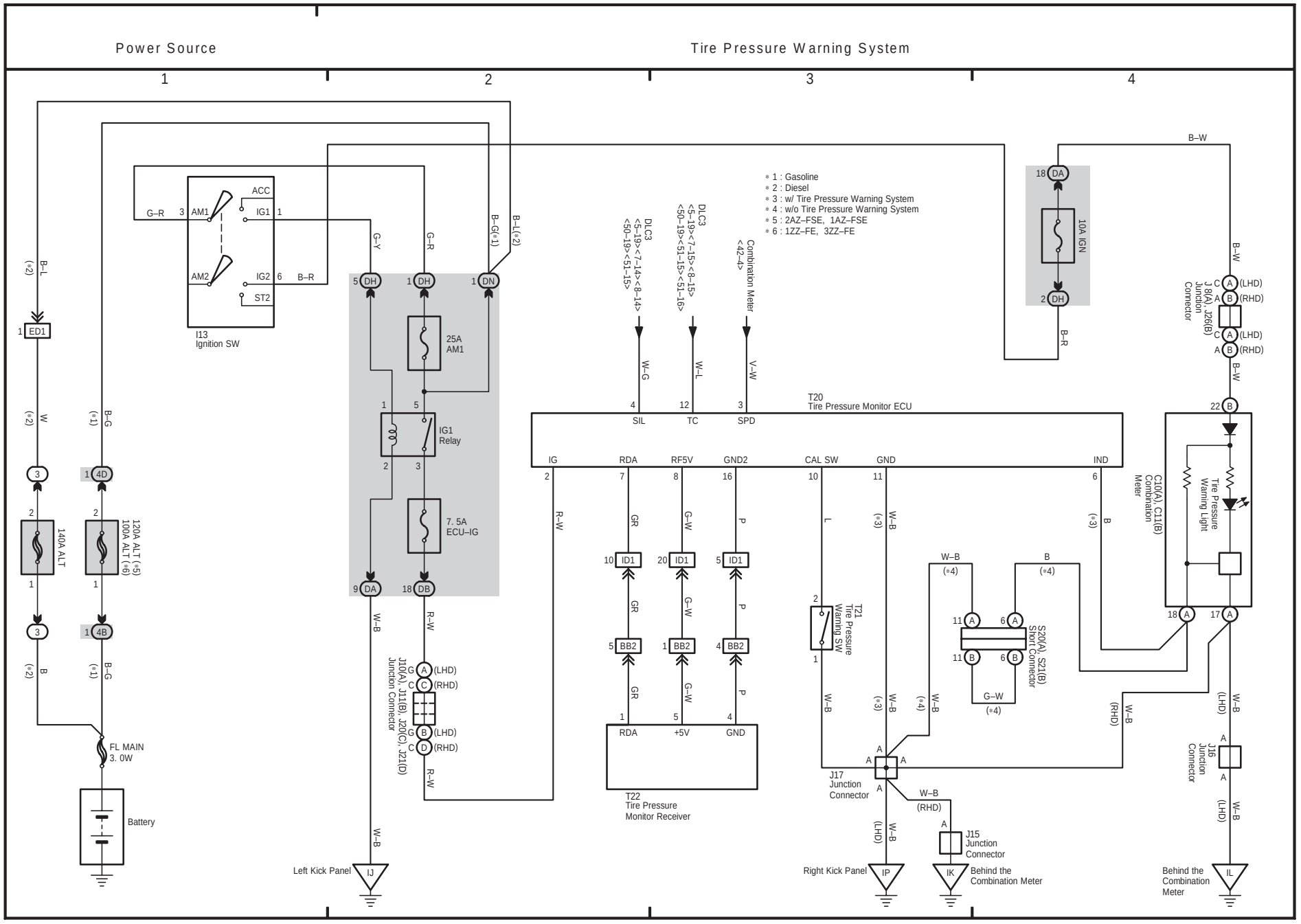
Engine Control (2AD–FTV)

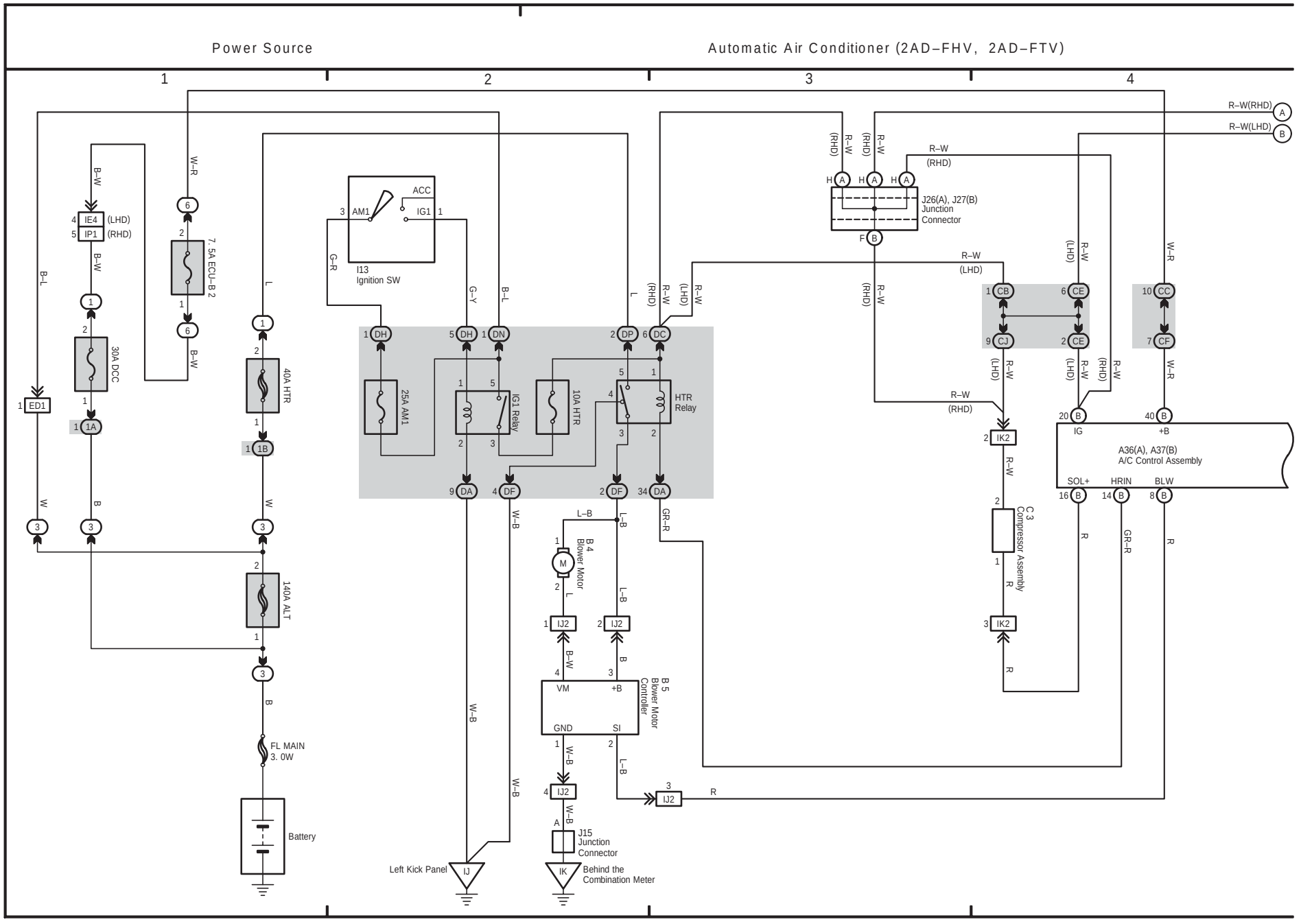
∗1 : Shielded
∗2 : Power Heater (Electrical Type)

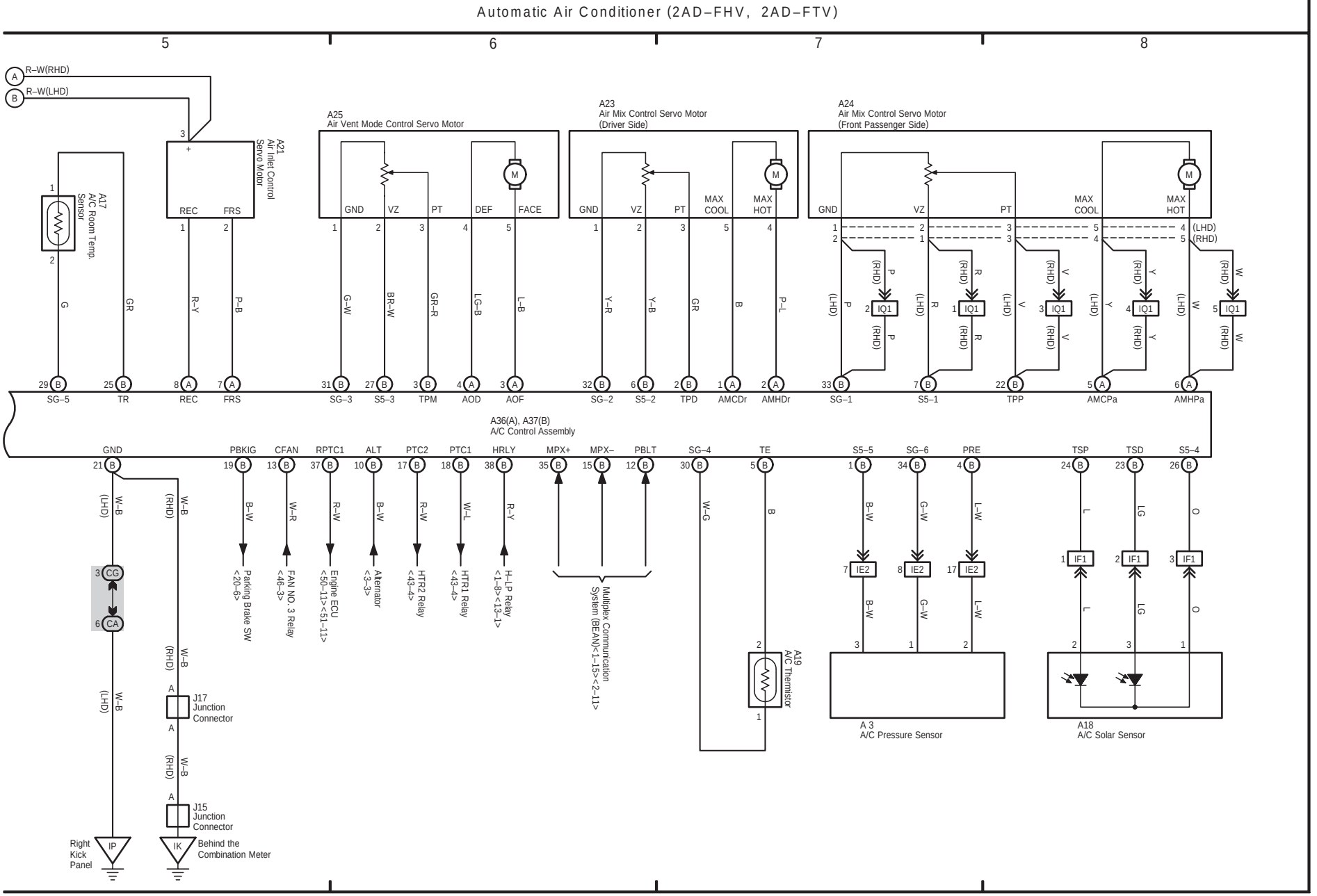



Engine Control (2AD–FTV)
Cruise Control (2AD–FTV)
* 1 : Shielded
* 3 : w/ Cruise Control
* 4 : w/ Navigation System (Map Type)
13
14
15
16
B
W–B
D 5
DLC3
16
BAT
Combination Meter<42–4>
TAC
WFSE
SIL
TC
TS
SG
CG
9
15
7
13
12
5
4
C 6
Crankshaft Position Sensor
C 11
Camshaft Position Sensor
J 8(A), J 9(B)
126(C), J27(D)
Junction Connector
Transponder Key Computer <9–4>
J 8(A), J 9(B), J20(C), J21(D)
Junction Connector
Airbag Sensor Assembly <22–8>
Skid Control ECU with Actuator <20–11>
Multi–Display <39–6>
Tire Pressure Monitor ECU <52–3>
Integration Relay <1–5><2–5>
E 9(A), E10(B), E12(D), E13(E)
Engine ECU (M/T)
NE+
NE–
G–
G+
TACH
WFSE
SIL
TC
E02
E01
E1
EOM
CCS
C14
Combination SW
CRUISE
RES/ACC
SET/COAST
CANCEL
Cruise Control SW
ECC
J12(A), J13(B)
Junction Connector
J16
Junction Connector
IE2
IK2
CB
CA
Near the Starter
EY
Behind the Combination Meter
IL
Right Kick Panel
IP

52 AVENSIS


Power Source
Tire Pressure Warning System
1
2
3
4
* 1 : Gasoline
* 2 : Diesel
* 3 : w/ Tire Pressure Warning System
* 4 : w/o Tire Pressure Warning System
* 5 : 2AZ–FSE, 1AZ–FSE
* 6 : 1ZZ–FE, 3ZZ–FE
I13
Ignition SW
ACC
IG1
IG2
ST2
AM1
AM2
25A
AM1
IG1
Relay
7. 5A
ECU–IG
10A IGN
DLC3
<5–19><7–14><8–14>
<50–19><51–15>
DLC3
<5–19><7–15><8–15>
<50–19><51–15><51–16>
Combination Meter
<42–4>
T20
Tire Pressure Monitor ECU
SIL
TC
SPD
IG
RDA
RF5V
GND2
CAL SW
GND
IND
T21
Tire Pressure
Warning SW
T22
Tire Pressure
Monitor Receiver
RDA
+5V
GND
J17
Junction
Connector
J15
Junction
Connector
J16
Junction
Connector
J10(A), J11(B), J20(C), J21(D)
Junction Connector
C10(A), C11(B)
Combination
Meter
Tire Pressure
Warning Light
S20(A), S21(B)
Short Connector
140A ALT
120A ALT (*5)
100A ALT (*6)
FL MAIN
3. 0W
Battery
Left Kick Panel
IJ
Right Kick Panel
IP
IK
Behind the
Combination Meter
Behind the
Combination
Meter
IL
(LHD)
(RHD)

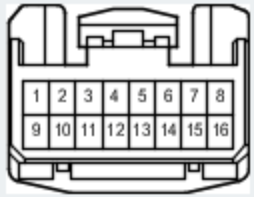

Power Source
Automatic Air Conditioner (2AD–FHV, 2AD–FTV)
1
2
3
4
ACC
IG1
AM1
I13
Ignition SW
J26(A), J27(B)
Junction
Connector
A36(A), A37(B)
A/C Control Assembly
IG
+B
SOL+
HRIN
BLW
HTR
Relay
IG1 Relay
25A AM1
10A HTR
30A DCC
40A HTR
140A ALT
7. 5A ECU–B 2
FL MAIN
3. 0W
Battery
B 4
Blower Motor
B 5
Blower Motor
Controller
VM
+B
GND
SI
C 3
Compressor Assembly
J15
Junction
Connector
Left Kick Panel
IJ
IK
Behind the
Combination Meter
R–W(RHD)
R–W(LHD)


Automatic Air Conditioner (2AD–FHV, 2AD–FTV)
5
6
7
8
R–W(RHD)
R–W(LHD)
A17
A/C Room Temp. Sensor
A21
Air Inlet Control Servo Motor
REC
FRS
A25
Air Vent Mode Control Servo Motor
GND
VZ
PT
DEF
FACE
A23
Air Mix Control Servo Motor (Driver Side)
MAX COOL
MAX HOT
A24
Air Mix Control Servo Motor (Front Passenger Side)
(LHD)
(RHD)
IQ1
SG–5
TR
REC
FRS
SG–3
S5–3
TPM
AOD
AOF
SG–2
S5–2
TPD
AMCDr
AMHDr
SG–1
S5–1
TPP
AMCPa
AMHPa
A36(A), A37(B)
A/C Control Assembly
PBKIG
CFAN
RPTC1
ALT
PTC2
PTC1
HRLY
MPX+
MPX–
PBLT
SG–4
TE
S5–5
SG–6
PRE
TSP
TSD
S5–4
IE2
IF1
CG
CA
Parking Brake SW <20–6>
FAN NO. 3 Relay <46–3>
Engine ECU <50–11><51–11>
Alternator <3–3>
HTR2 Relay <43–4>
HTR1 Relay <43–4>
H–LP Relay <1–8><13–1>
Multiplex Communication System (BEAN)<1–15><2–11>
A19
A/C Thermistor
A 3
A/C Pressure Sensor
A18
A/C Solar Sensor
J17
Junction Connector
J15
Junction Connector
IP
Right Kick Panel
IK
Behind the Combination Meter

Sort By Name
Sort By No.

A/C Amplifier
A/C Amplifier
A/C Amplifier , A/C Blower Assembly
A/C Compressor
A/C Compressor
A/C Pressure Sensor
A/C Pressure Sensor (Low)
A/C Room Temp. Sensor
A/T Shift Lever Illumination
Absorber Control Actuator (Front

Name	A/C Amplifier
Code	L51
Part Number	90980-12155
Color	White
Spec	



[A]

Location
Position of Parts in Instrument Panel (LHD) 3
Position of Parts in Instrument Panel (RHD) 3

[B]

System
Air Conditioner
Climate Control Seat

[C]

TOYOTA
GSIC - Global S
Category
Location
ation Center
[A]
Top
Back
New
Location
Overall EWD
Connector List

A11 : Alternator
A12 : Alternator
A12 : Alternator
E9 : Engine and ECT ECU (A/T) ,
E10 : Engine and ECT ECU
E11 : Engine and ECT ECU

[A]

Part Code	A11
Part No.	90980-11964
Color	Black
Spec	

[B]

[C]

Location

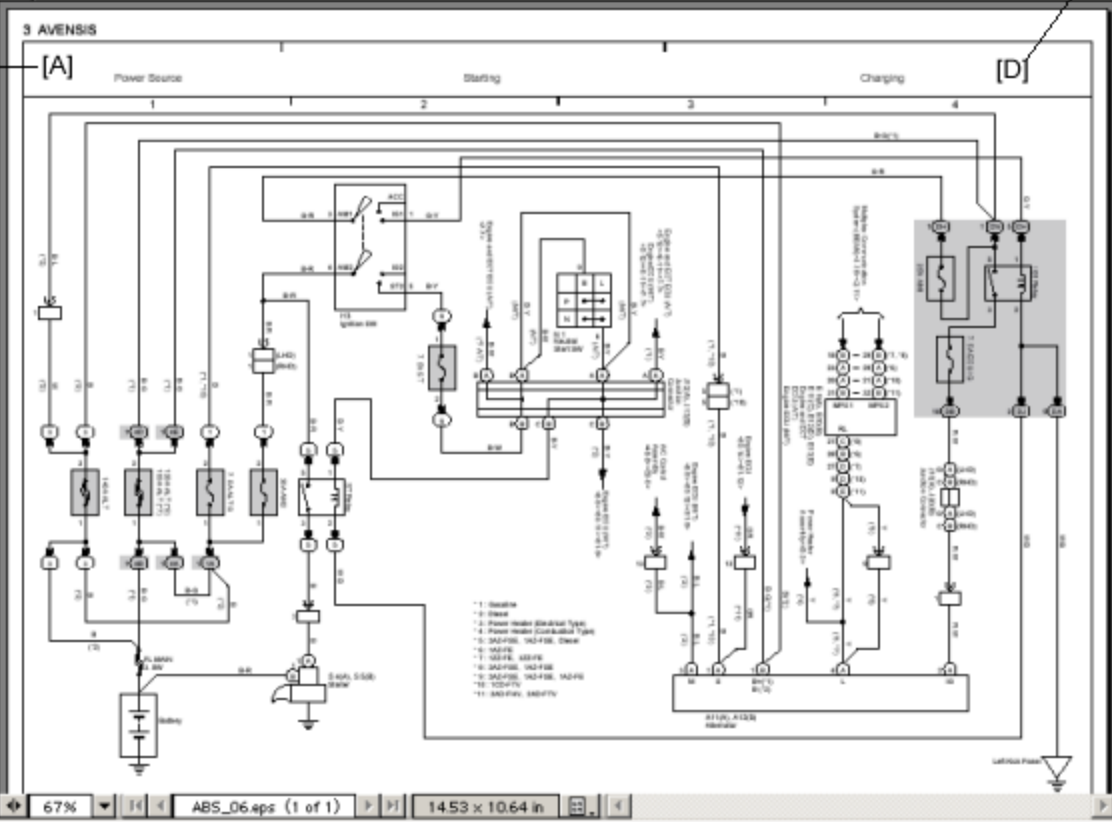
Position of Parts in Engine Compartment (LHD 1AZ-FE) 1

Position of Parts in Engine Compartment (LHD 1CD-FTV) 1

Position of Parts in Engine Compartment (LHD 1ZZ-FE, 3ZZ-FE) 1

Charging

[D]



TOYOTA