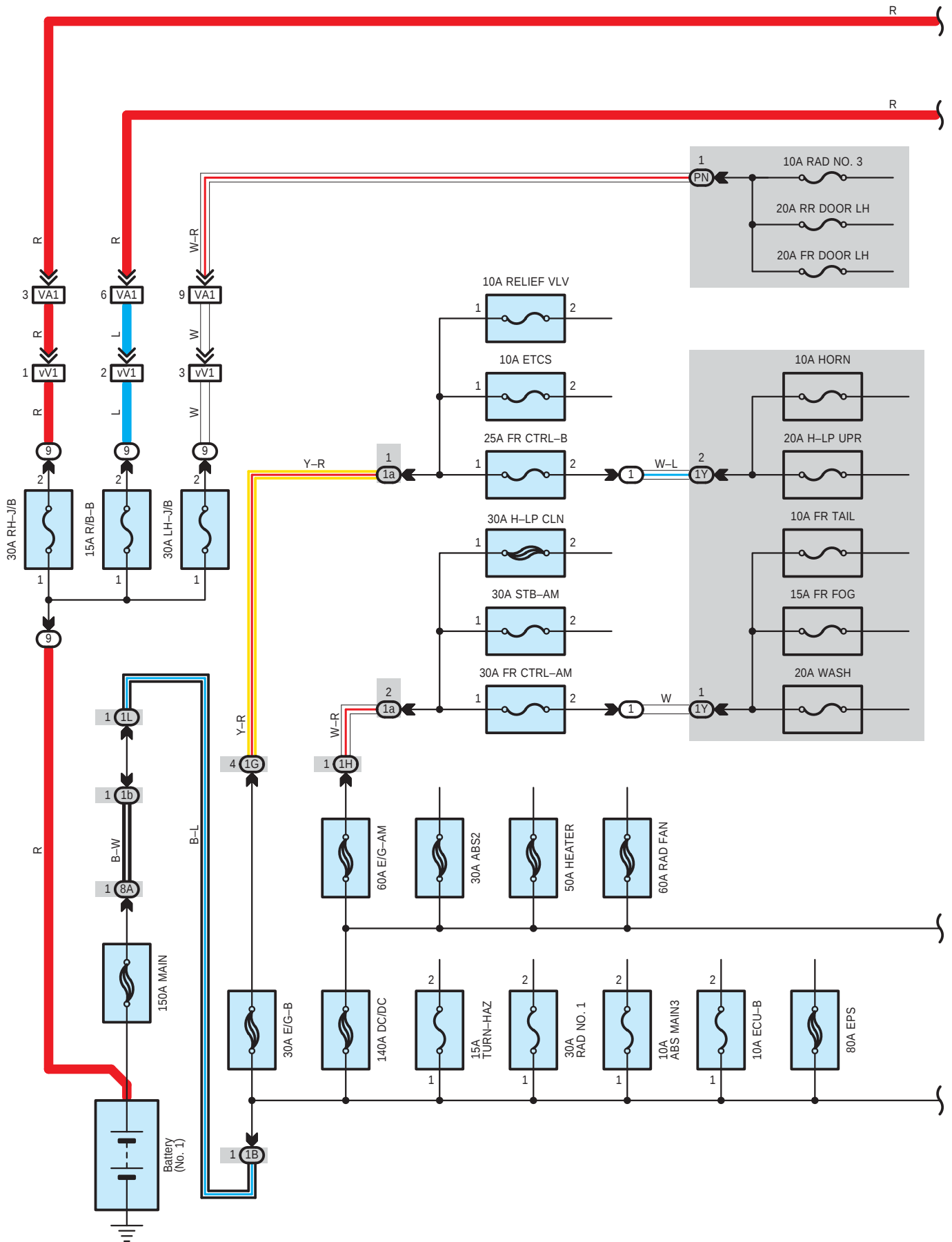
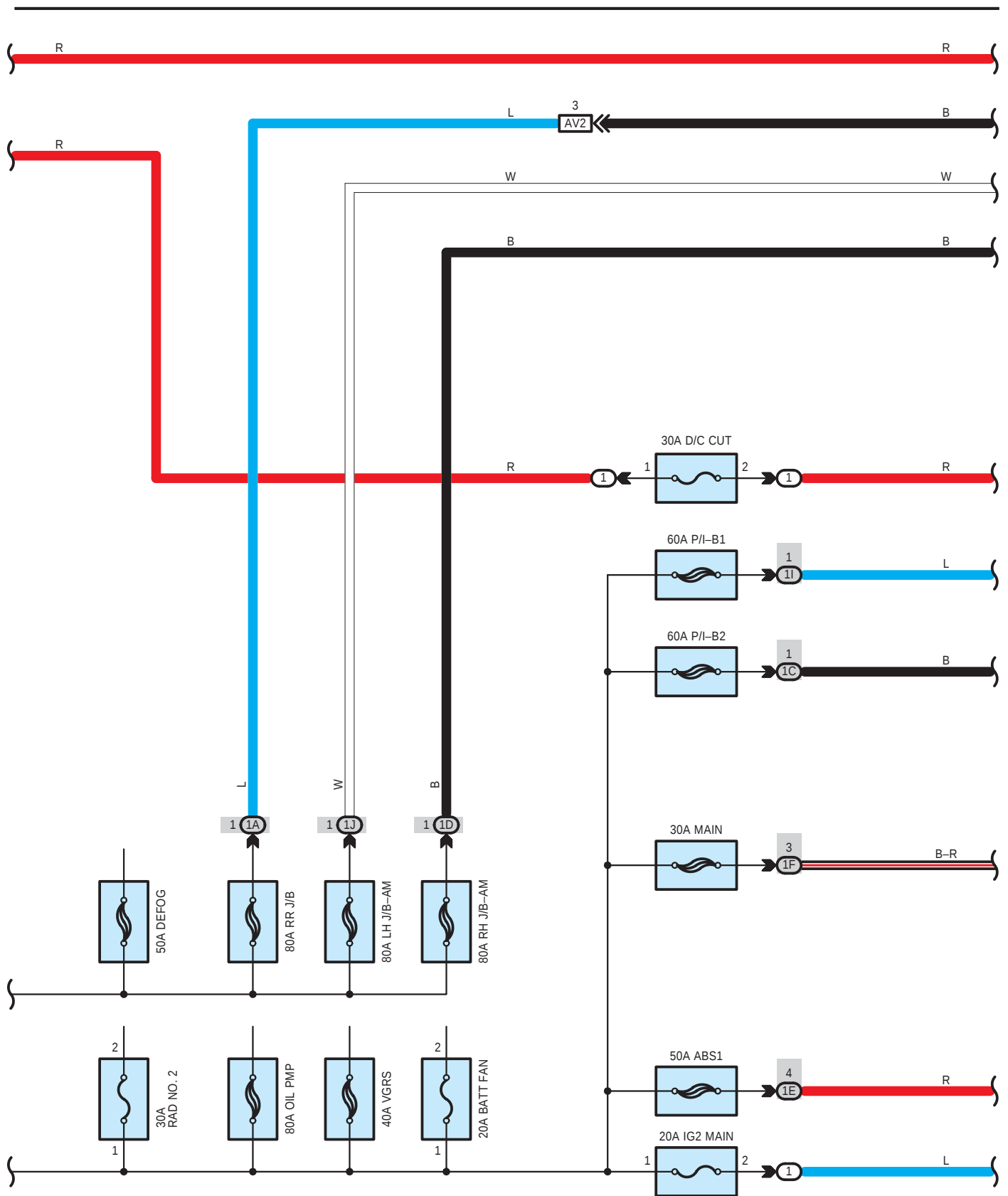
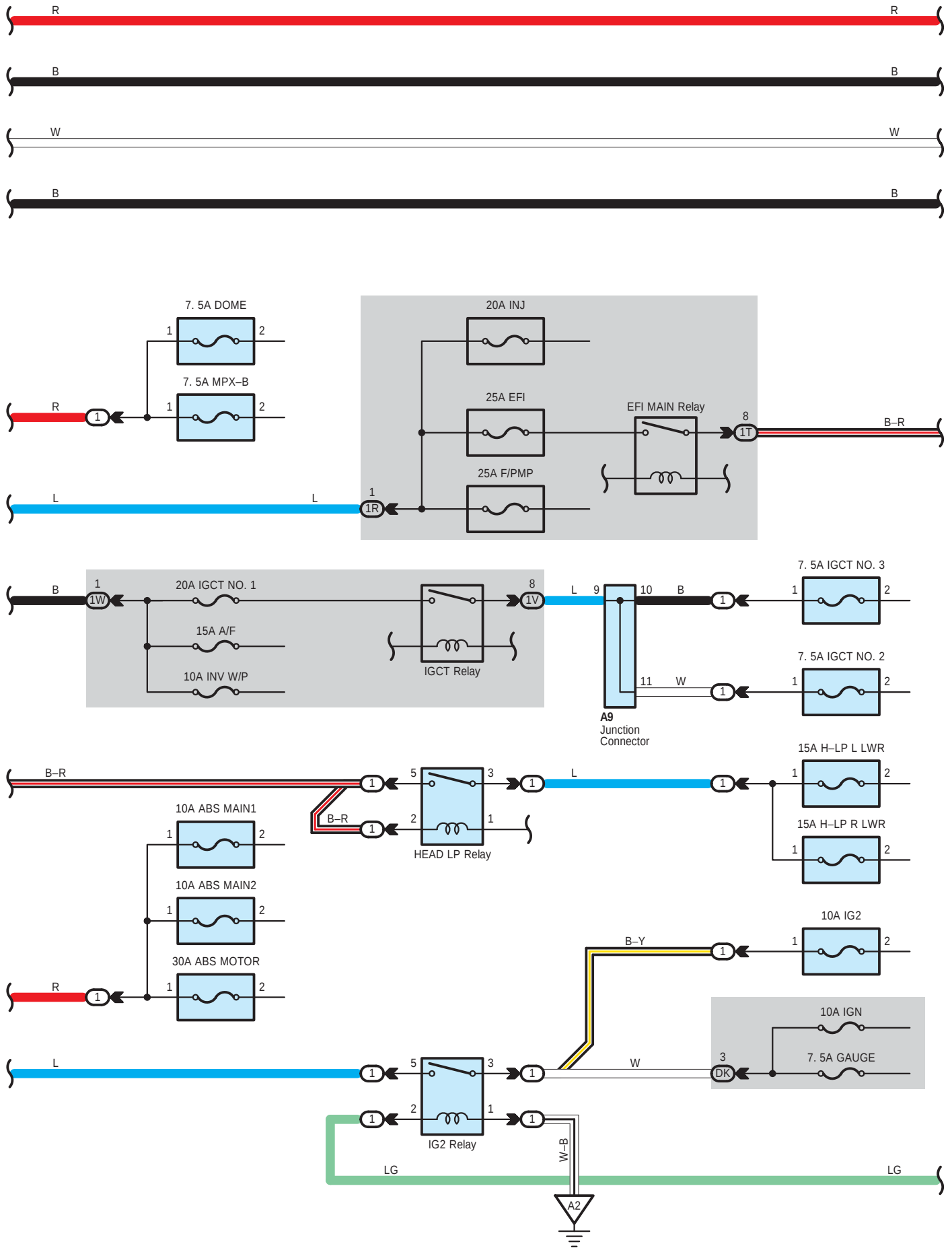
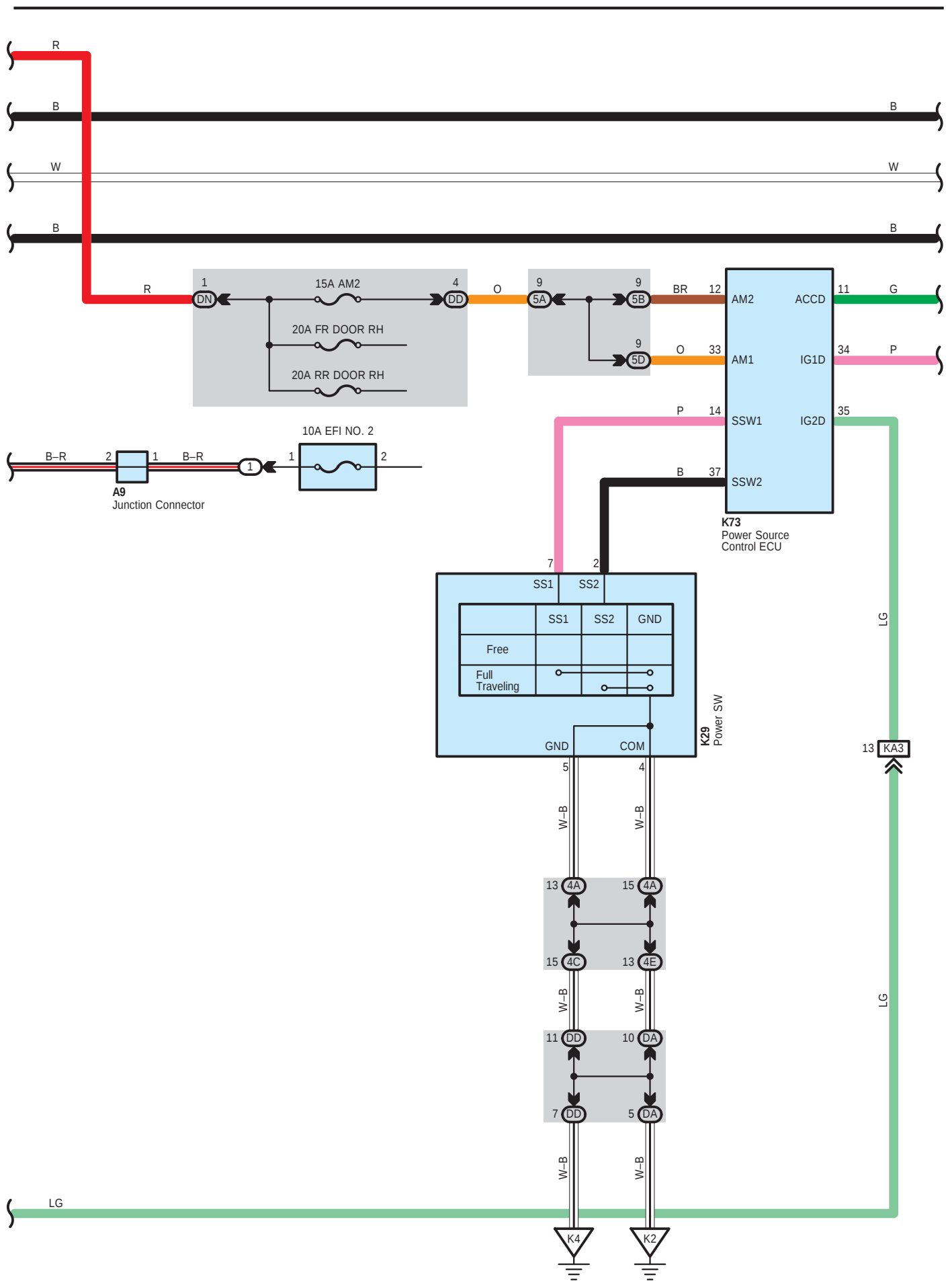




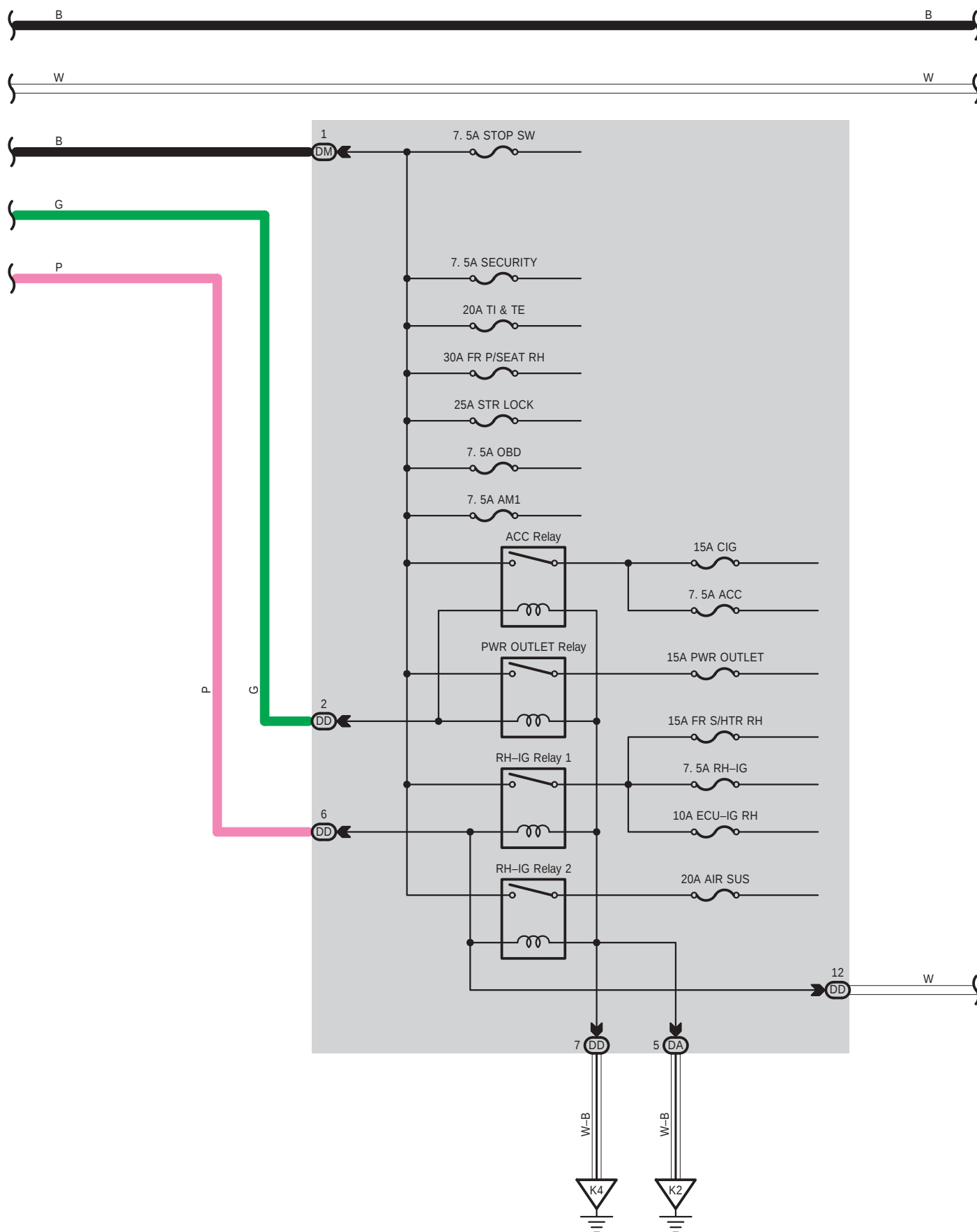


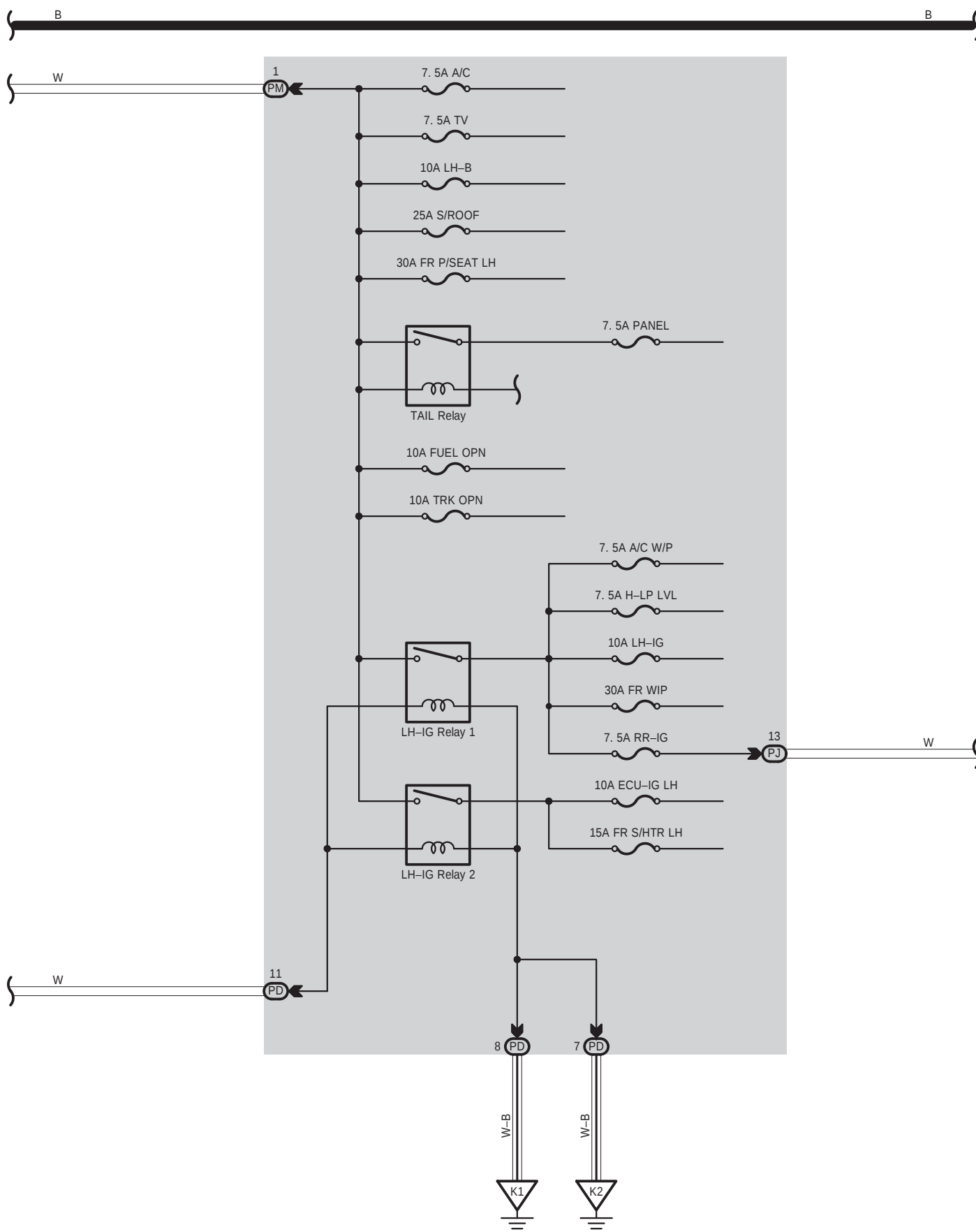
## Power Source

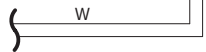




## Power Source







 : Parts Location

| Code | See Page | Code | See Page | Code | See Page |
|------|----------|------|----------|------|----------|
| A9   | 80       | K73  | 86       |      |          |
| K29  | 85       | V26  | 91       |      |          |

 : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location)            |
|------|----------|------------------------------------------------|
| 1    | 24       | Engine Room R/B No.1 (Engine Compartment Left) |
| 9    | 44       | Fuse Block (Luggage Room Left)                 |

 : Junction Block and Wire Harness Connector

| Code | See Page | Junction Block and Wire Harness (Connector Location)                                       |                                                                                            |
|------|----------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| 1A   | 27       | Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment left)                   |                                                                                            |
| 1B   |          |                                                                                            |                                                                                            |
| 1C   |          |                                                                                            |                                                                                            |
| 1D   |          |                                                                                            |                                                                                            |
| 1E   |          |                                                                                            |                                                                                            |
| 1F   |          |                                                                                            |                                                                                            |
| 1G   |          |                                                                                            |                                                                                            |
| 1H   |          |                                                                                            |                                                                                            |
| 1I   |          |                                                                                            |                                                                                            |
| 1J   |          |                                                                                            |                                                                                            |
| 1L   | 33       |                                                                                            |                                                                                            |
| 1R   | 25       |                                                                                            |                                                                                            |
| 1T   |          |                                                                                            |                                                                                            |
| 1V   | 28       |                                                                                            |                                                                                            |
| 1W   |          |                                                                                            |                                                                                            |
| 1Y   | 29       |                                                                                            |                                                                                            |
| 1a   | 32       |                                                                                            |                                                                                            |
| 1b   | 33       |                                                                                            | Floor No.4 Wire and Engine Room J/B No.1 (Engine Compartment left)                         |
| 4A   | 70       |                                                                                            | Instrument Panel Wire and Center J/B RH (Right Side of the Instrument Panel Reinforcement) |
| 4C   |          |                                                                                            |                                                                                            |
| 4E   |          |                                                                                            |                                                                                            |
| 5A   | 66       | Instrument Panel Wire and Center J/B LH (Right Side of the Instrument Panel Reinforcement) |                                                                                            |
| 5B   |          |                                                                                            |                                                                                            |
| 5D   |          |                                                                                            |                                                                                            |
| 6A   | 43       | Luggage Room No.4 Wire and Luggage Room R/B No.6 (Luggage Room Center)                     |                                                                                            |
| 7A   | 45       | Luggage Room No.4 Wire and Fusible Link Block (No.1) (Luggage Room Center)                 |                                                                                            |
| 8A   | 46       | Floor No.4 Wire and Fusible Link Block (No.2) (Luggage Room Left)                          |                                                                                            |
| DA   | 55       | Instrument Panel Wire and Cowl Side J/B RH (Behind the Glove Box)                          |                                                                                            |
| DD   |          |                                                                                            |                                                                                            |
| DK   | 56       | Engine Room Main Wire and Cowl Side J/B RH (Behind the Glove Box)                          |                                                                                            |
| DM   |          |                                                                                            |                                                                                            |
| DN   |          |                                                                                            |                                                                                            |
| LB   | 63       | Floor No.2 Wire and Luggage Room J/B (Left Side of the Quarter Panel )                     |                                                                                            |
| LC   |          |                                                                                            |                                                                                            |
| LF   |          |                                                                                            |                                                                                            |
| PD   | 49       | Instrument Panel Wire and Cowl Side J/B LH (Lower Finish Panel)                            |                                                                                            |
| PJ   | 50       | Floor No.2 Wire and Cowl Side J/B LH (Lower Finish Panel)                                  |                                                                                            |
| PM   | 50       | Engine Room Main Wire and Cowl Side J/B LH (Lower Finish Panel)                            |                                                                                            |
| PN   |          |                                                                                            |                                                                                            |

## Power Source

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### : Connector Joining Wire Harness and Wire Harness

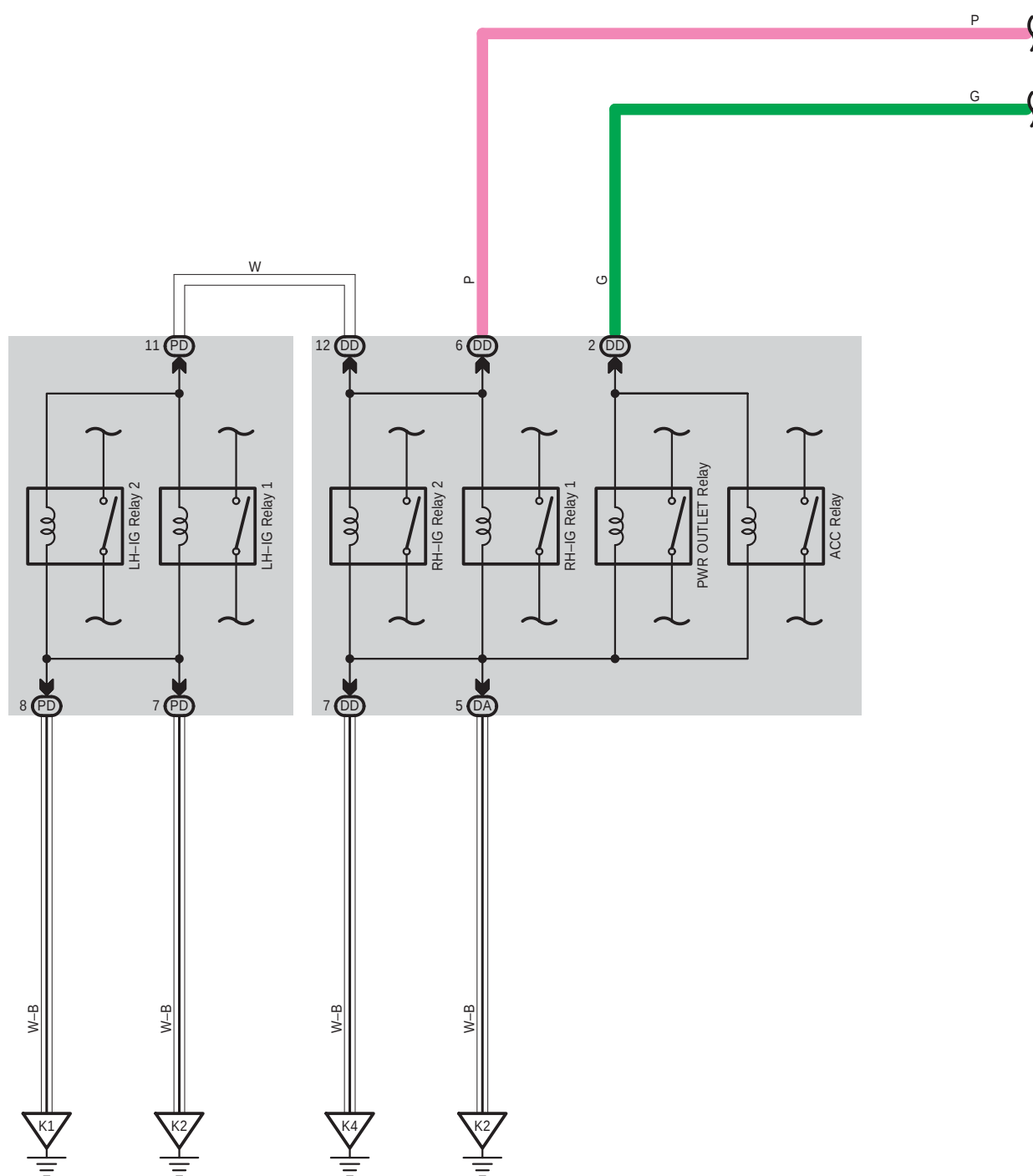
| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location)          |
|------|----------|---------------------------------------------------------------------|
| AV2  | 97       | Engine Room Main Wire and Floor No.2 Wire (Cowl Side Panel LH)      |
| KA3  | 97       | Instrument Panel Wire and Engine Room Main Wire (Right Kick Panel)  |
| VA1  | 97       | Floor No.2 Wire and Engine Room Main Wire (Left Kick Panel)         |
| vV1  | 98       | Floor No.3 Wire and Floor No.2 Wire (Left Side Of the Luggage Room) |

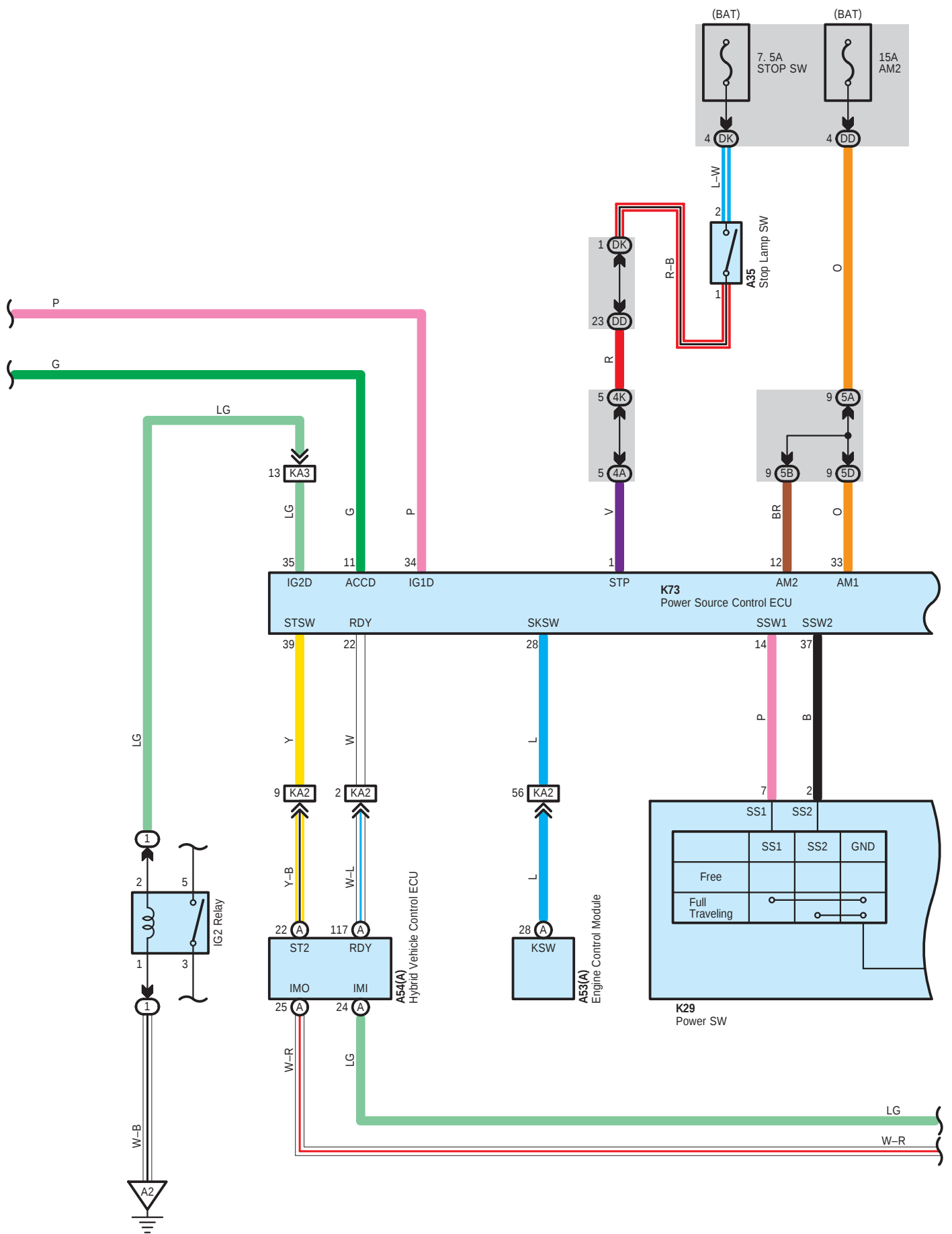
### : Ground Points

| Code | See Page | Ground Points Location       |
|------|----------|------------------------------|
| A2   | 96       | Front Left Fender Apron      |
| K1   | 97       | Left Kick Panel              |
| K2   | 97       | Left Side of the Shift Lever |
| K4   | 97       | Right Kick Panel             |
| V2   | 98       | Roof Side Inner Panel LH     |

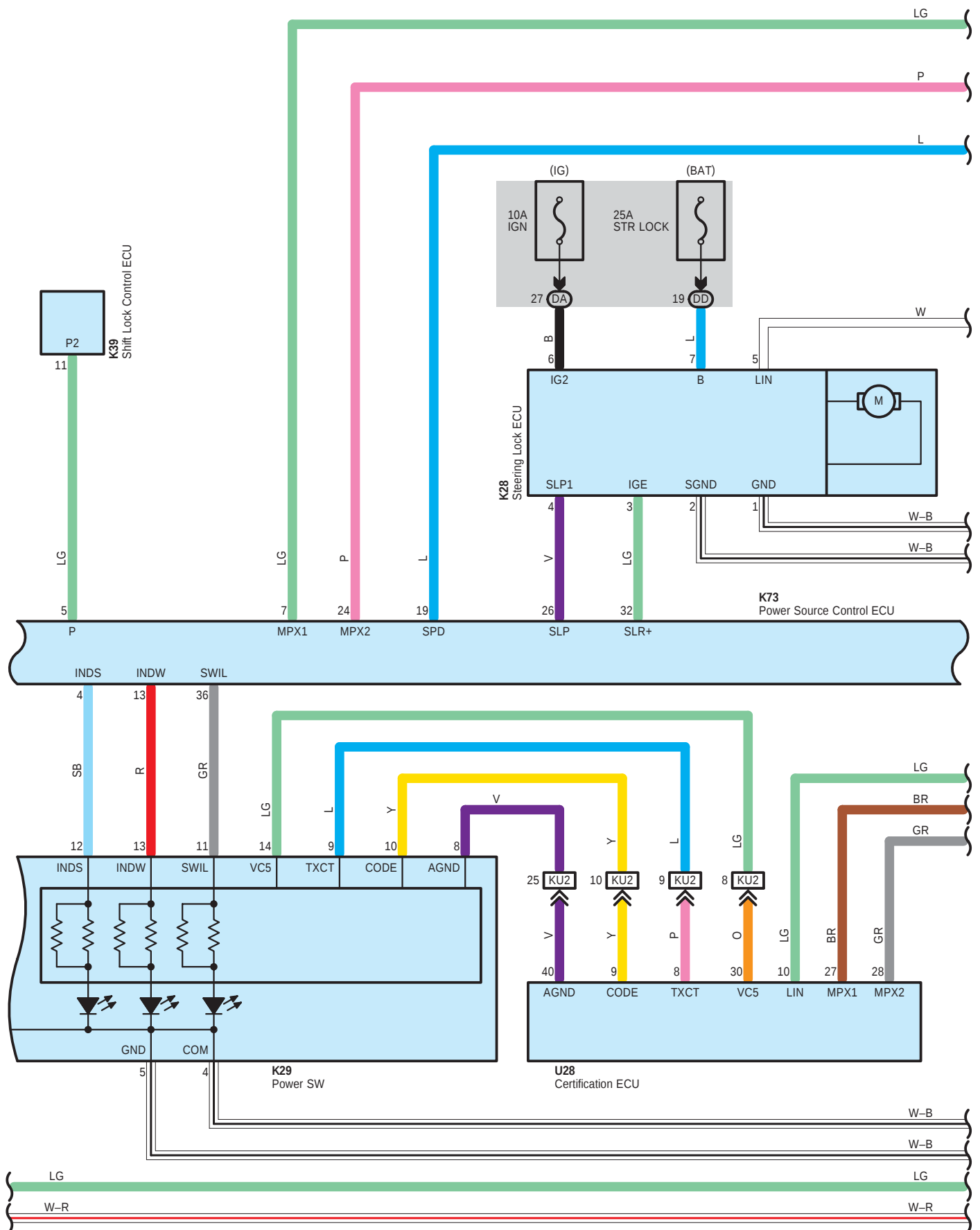


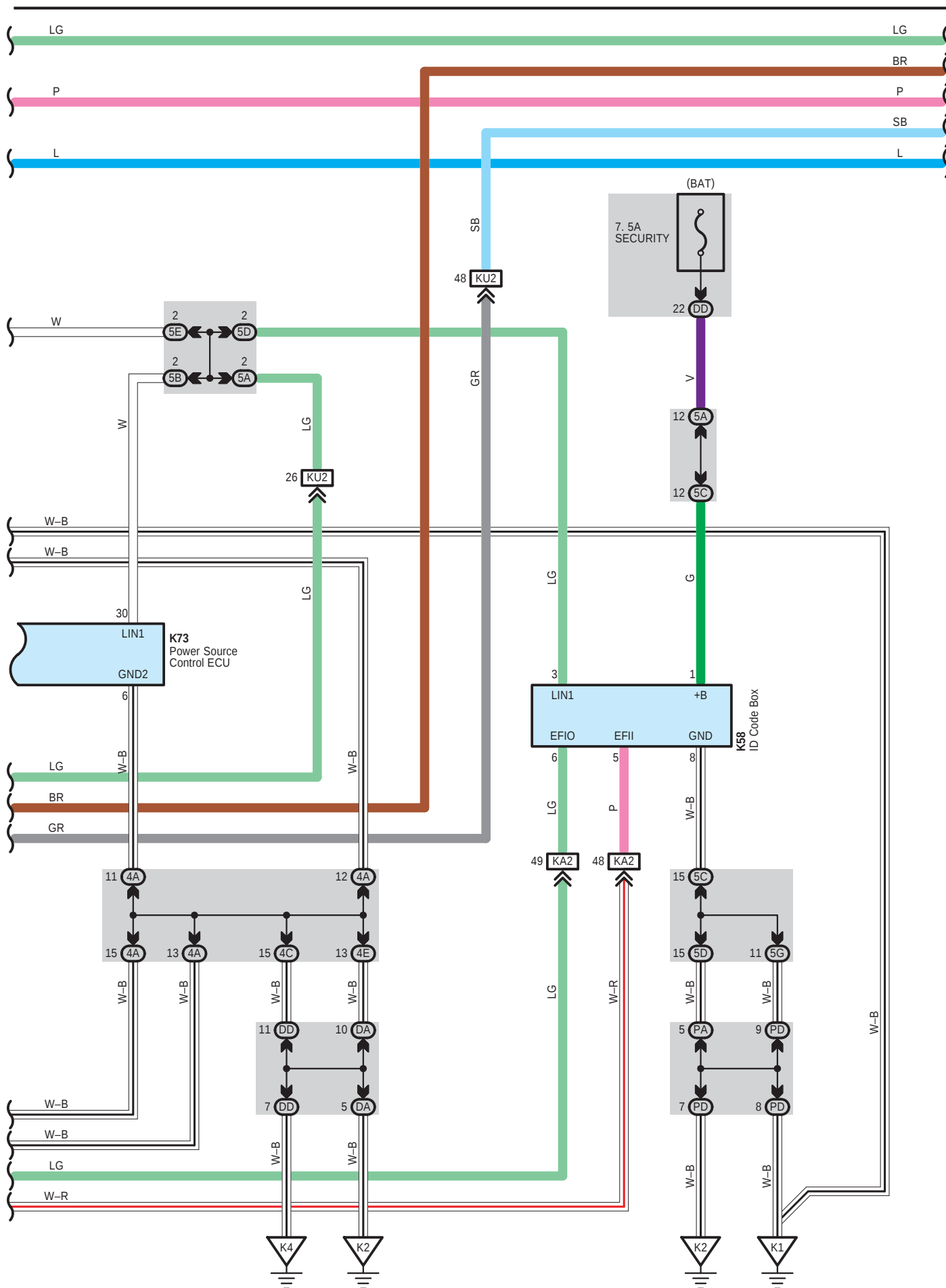
## Push-Button Start, Hybrid Vehicle Immobiliser and Steering Lock



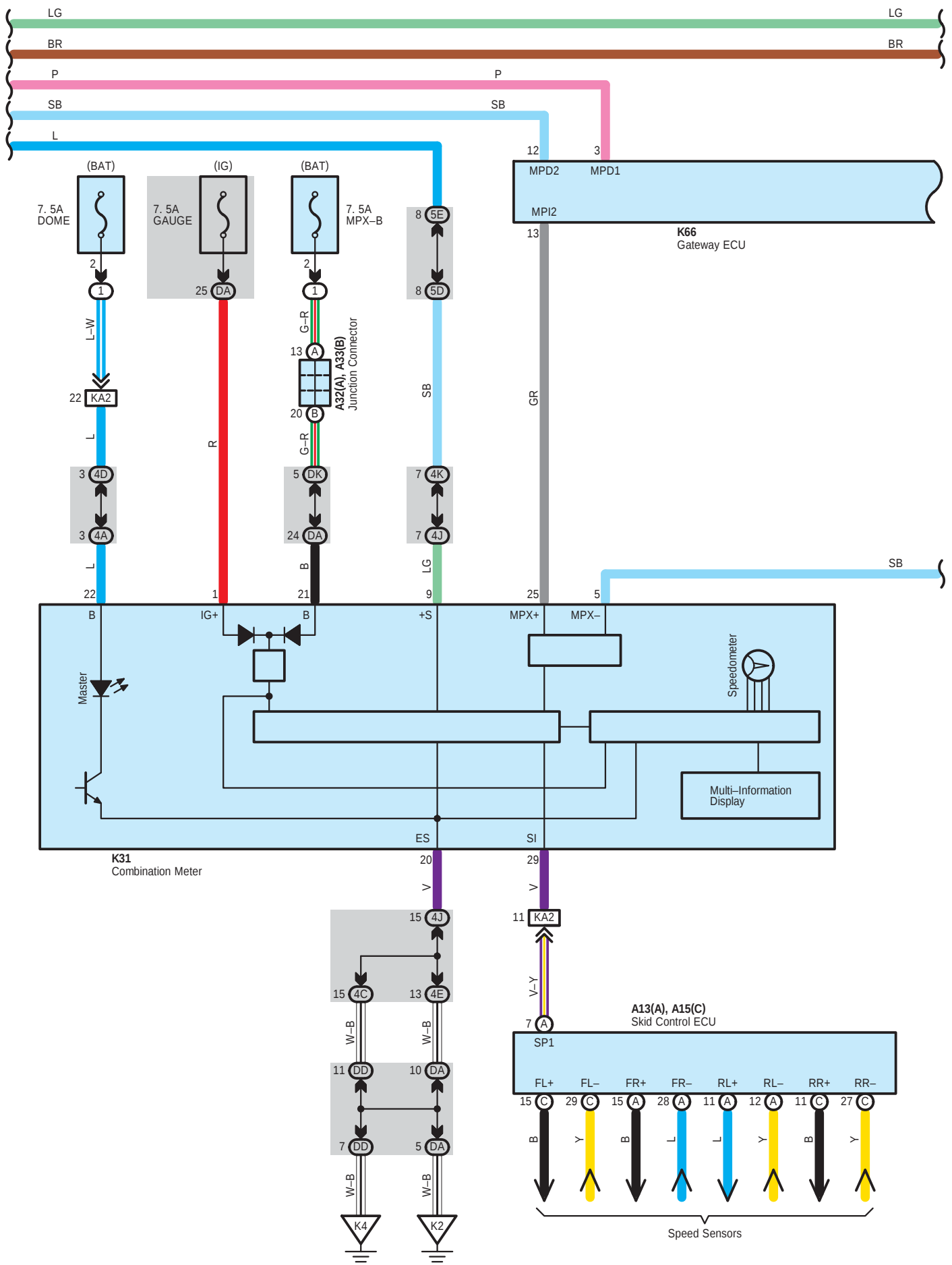


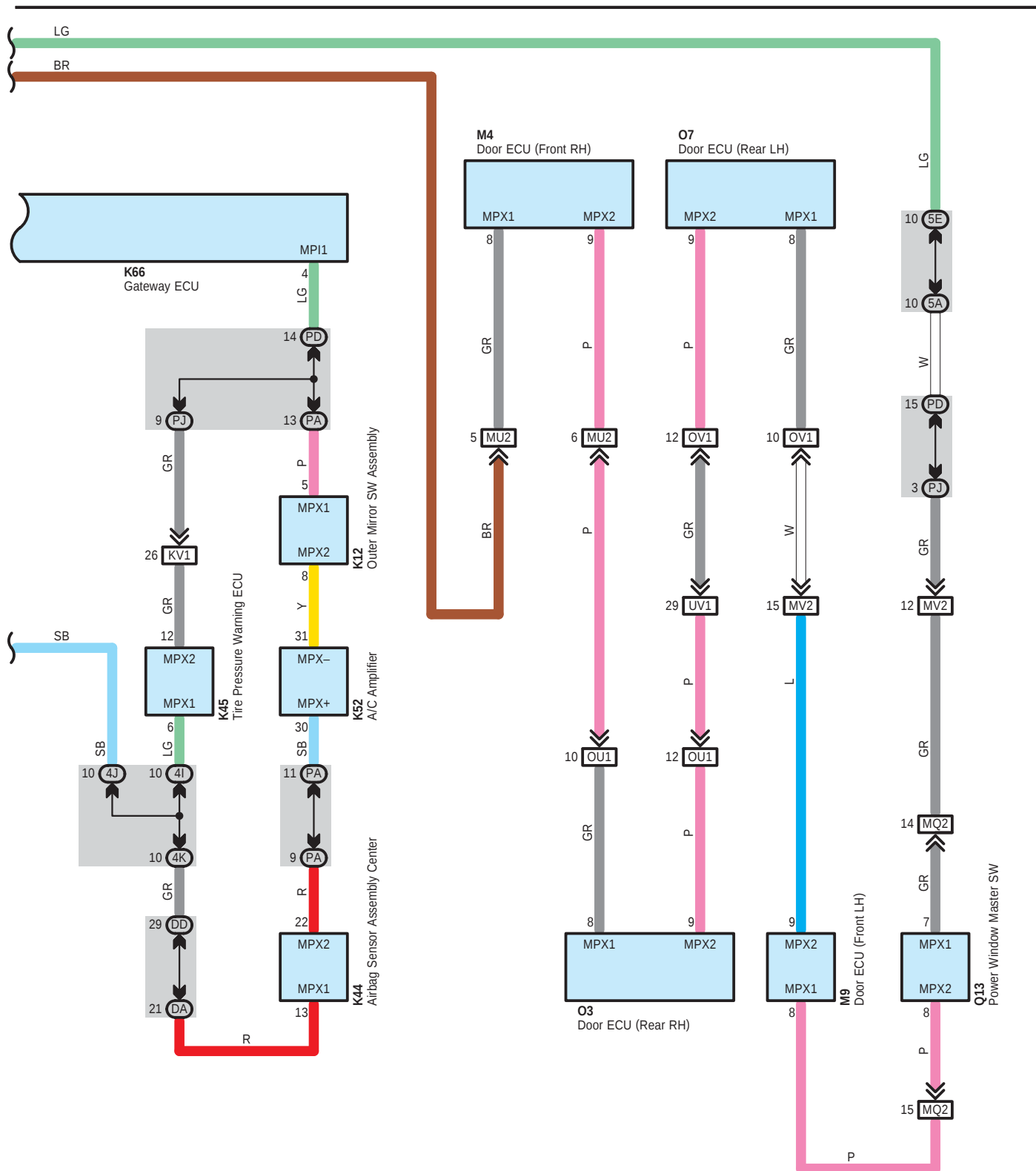
# Push-Button Start, Hybrid Vehicle Immobiliser and Steering Lock





# Push-Button Start, Hybrid Vehicle Immobiliser and Steering Lock





# Push-Button Start, Hybrid Vehicle Immobiliser and Steering Lock

## System Outline

### \* Steering lock

Receiving signals from the power SW and the key, the smart key ECU sends instruction for locking and unlocking the steering lock to the steering lock ECU (Built in the steering lock) in order to activate the motor. The steering lock ECU detects position of the lock bar and stops the motor at the specified position.

## ○ : Parts Location

| Code |   | See Page | Code | See Page | Code | See Page |
|------|---|----------|------|----------|------|----------|
| A13  | A | 80       | K28  | 85       | K66  | 86       |
| A15  | C | 80       | K29  | 85       | K73  | 86       |
| A32  | A | 84       | K31  | 85       | M4   | 88       |
| A33  | B | 84       | K39  | 85       | M9   | 88       |
| A35  |   | 84       | K44  | 86       | O3   | 88       |
| A53  | A | 80       | K45  | 86       | O7   | 88       |
| A54  | A | 80       | K52  | 86       | Q13  | 89       |
| K12  |   | 85       | K58  | 86       | U28  | 90       |

## ○ : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location)            |
|------|----------|------------------------------------------------|
| 1    | 24       | 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)                                       |
|------|----------|--------------------------------------------------------------------------------------------|
| 4A   | 70       | Instrument Panel Wire and Center J/B RH (Right Side of the Instrument Panel Reinforcement) |
| 4C   |          |                                                                                            |
| 4D   |          |                                                                                            |
| 4E   |          |                                                                                            |
| 4I   |          |                                                                                            |
| 4J   |          |                                                                                            |
| 4K   |          |                                                                                            |
| 5A   | 66       | Instrument Panel Wire and Center J/B LH (Right Side of the Instrument Panel Reinforcement) |
| 5B   |          |                                                                                            |
| 5C   |          |                                                                                            |
| 5D   |          |                                                                                            |
| 5E   |          |                                                                                            |
| 5G   |          |                                                                                            |
| DA   | 55       | Instrument Panel Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| DD   |          |                                                                                            |
| DK   | 56       | Engine Room Main Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| PA   | 49       | Instrument Panel Wire and Cowl Side J/B LH (Lower Finish Panel)                            |
| PD   |          |                                                                                            |
| PJ   | 50       | Floor No.2 Wire and Cowl Side J/B LH (Lower Finish Panel)                                  |

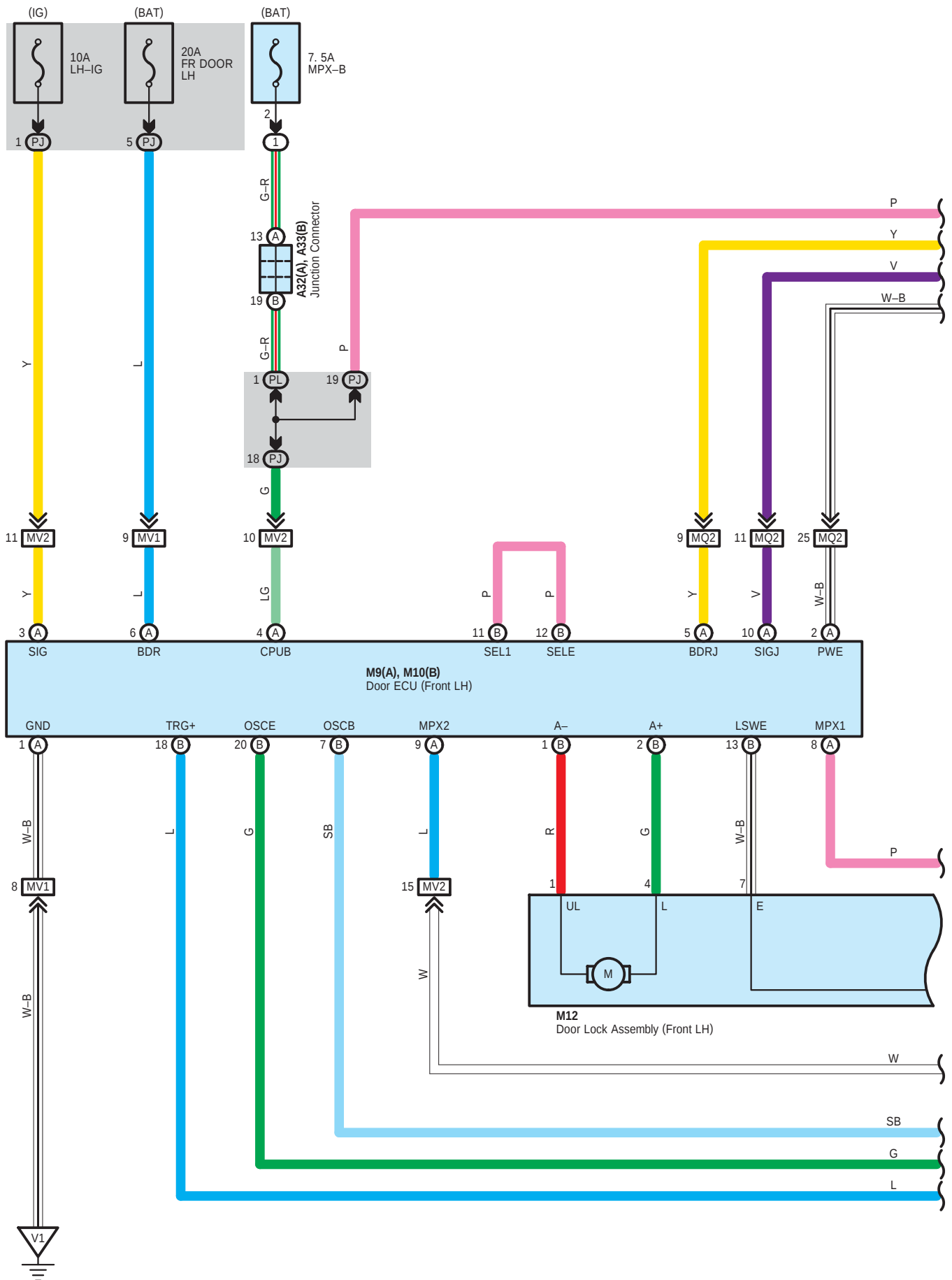
 : Connector Joining Wire Harness and Wire Harness

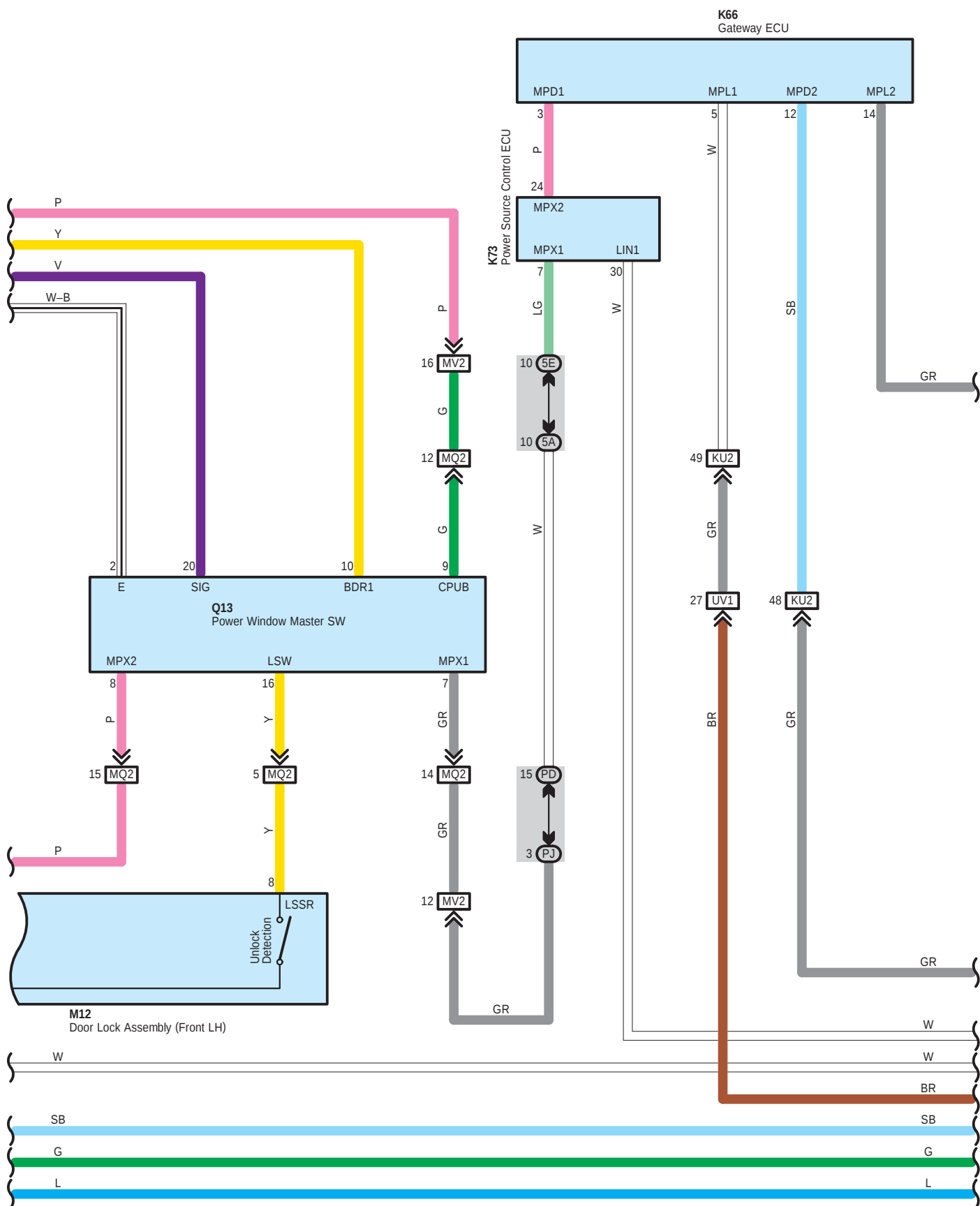
| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location)                     |
|------|----------|--------------------------------------------------------------------------------|
| KA2  | 97       | Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)              |
| KA3  | 97       | Instrument Panel Wire and Engine Room Main Wire (Right Kick Panel)             |
| KU2  | 97       | Instrument Panel Wire and Floor No.1 Wire (Right Kick Panel)                   |
| KV1  | 97       | Instrument Panel Wire and Floor No.2 Wire (Left Kick Panel)                    |
| MQ2  | 98       | Front Door LH Wire and Front Door LH No.2 Wire (Front Door Inner Panel LH)     |
| MU2  | 97       | Front Door RH Wire and Floor No.1 Wire (Right Kick Panel)                      |
| MV2  | 97       | Front Door LH Wire and Floor No.2 Wire (Left Kick Panel)                       |
| OU1  | 98       | Rear Door No.1 Wire and Floor No.1 Wire (Right Center Pillar)                  |
| OV1  | 98       | Rear Door No.2 Wire and Floor No.2 Wire (Left Center Pillar)                   |
| UV1  | 98       | Floor No.1 Wire and Floor No.2 Wire (Center of the Rear Floor Partition Panel) |

 : Ground Points

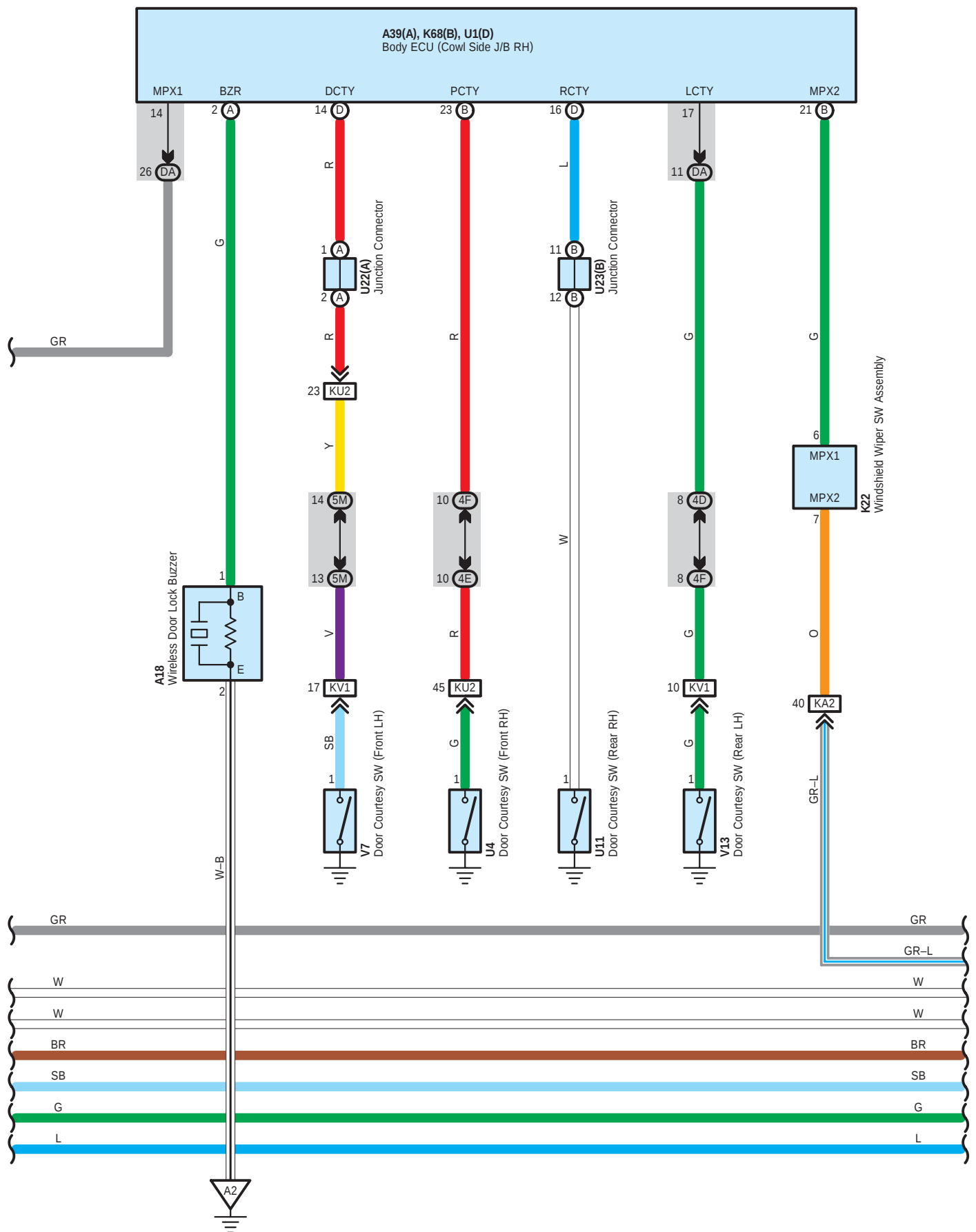
| Code | See Page | Ground Points Location       |
|------|----------|------------------------------|
| A2   | 96       | Front Left Fender Apron      |
| K1   | 97       | Left Kick Panel              |
| K2   | 97       | Left Side of the Shift Lever |
| K4   | 97       | Right Kick Panel             |

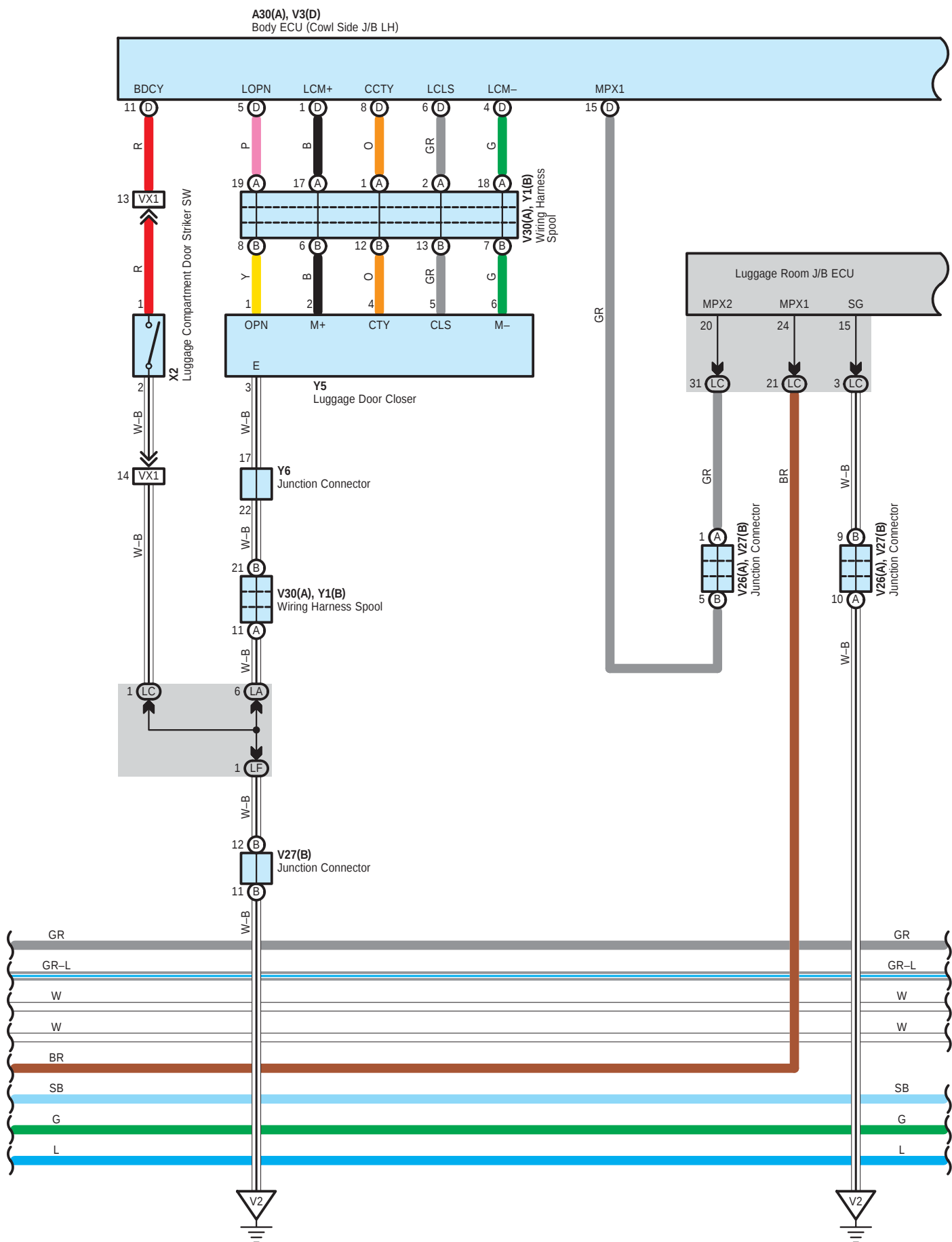
# Wireless Door Lock Control



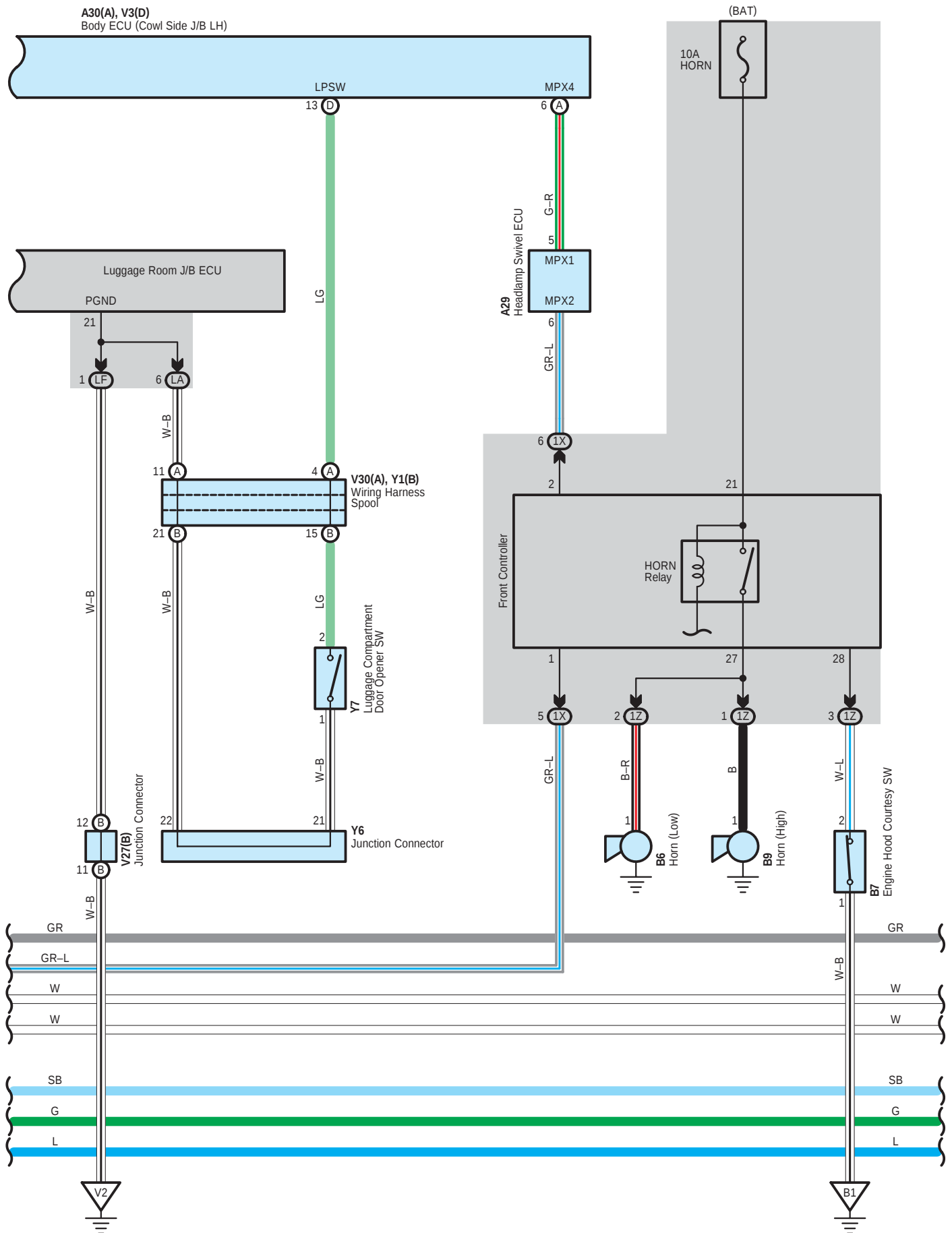


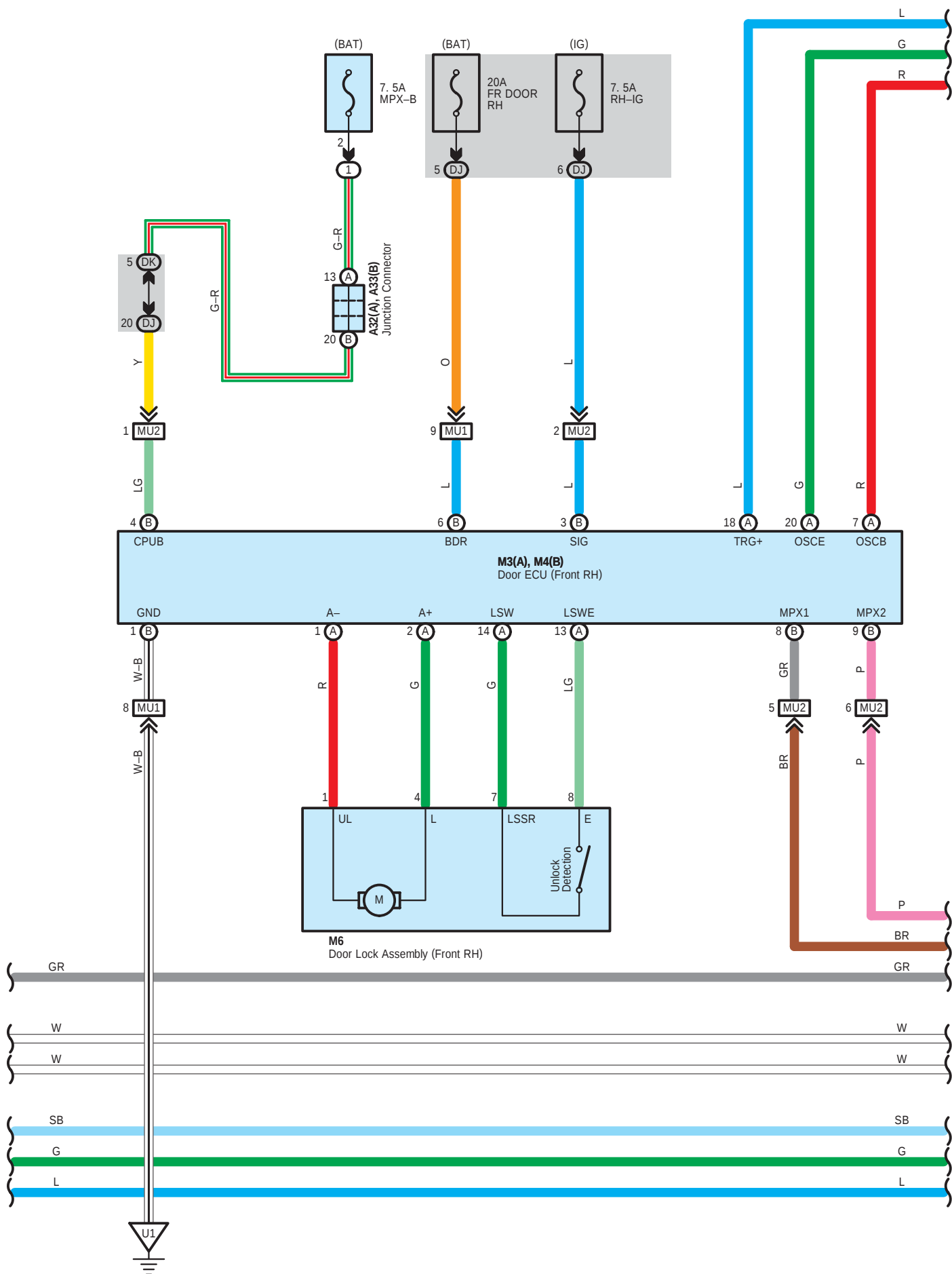
# Wireless Door Lock Control



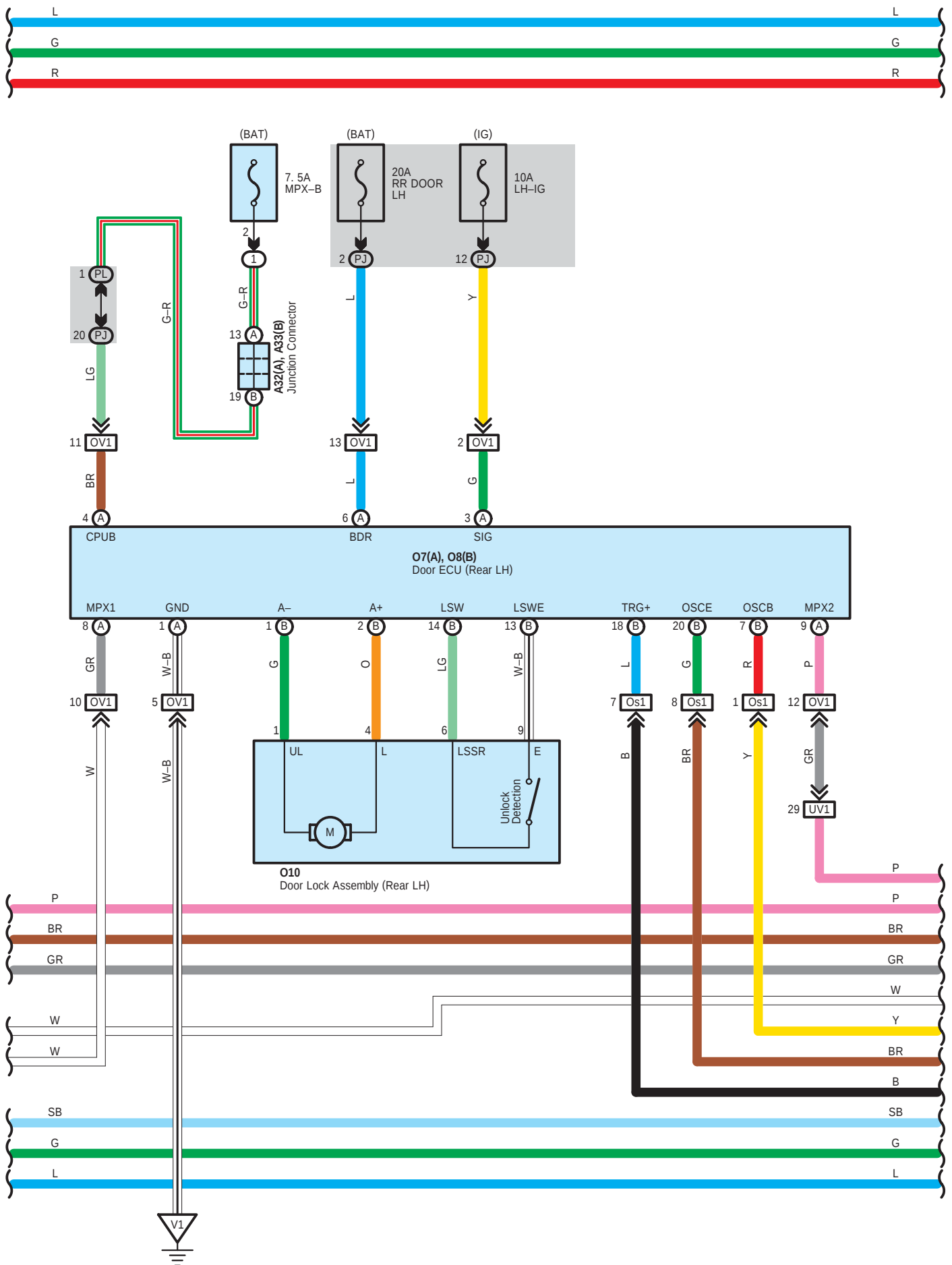


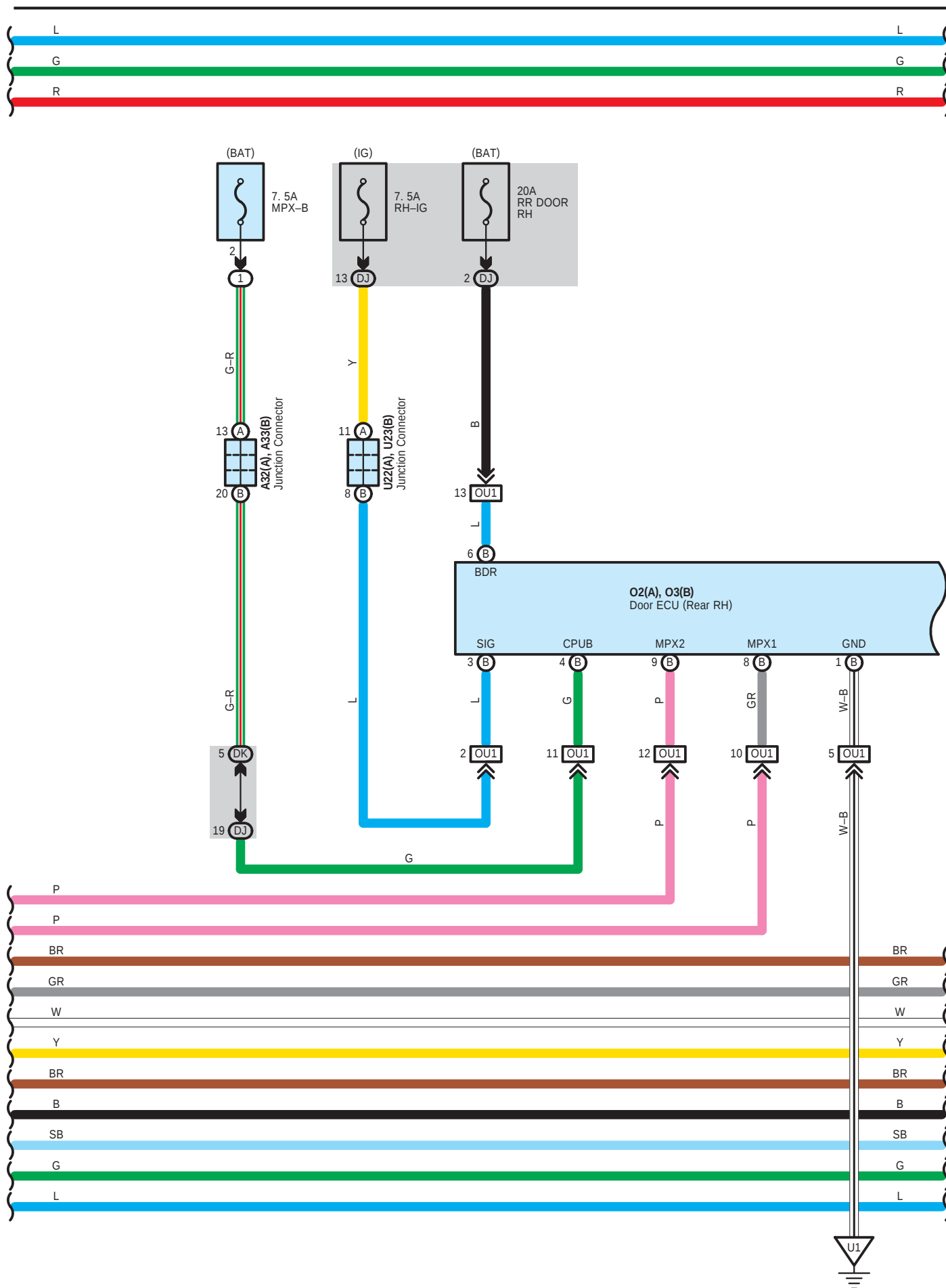
# Wireless Door Lock Control



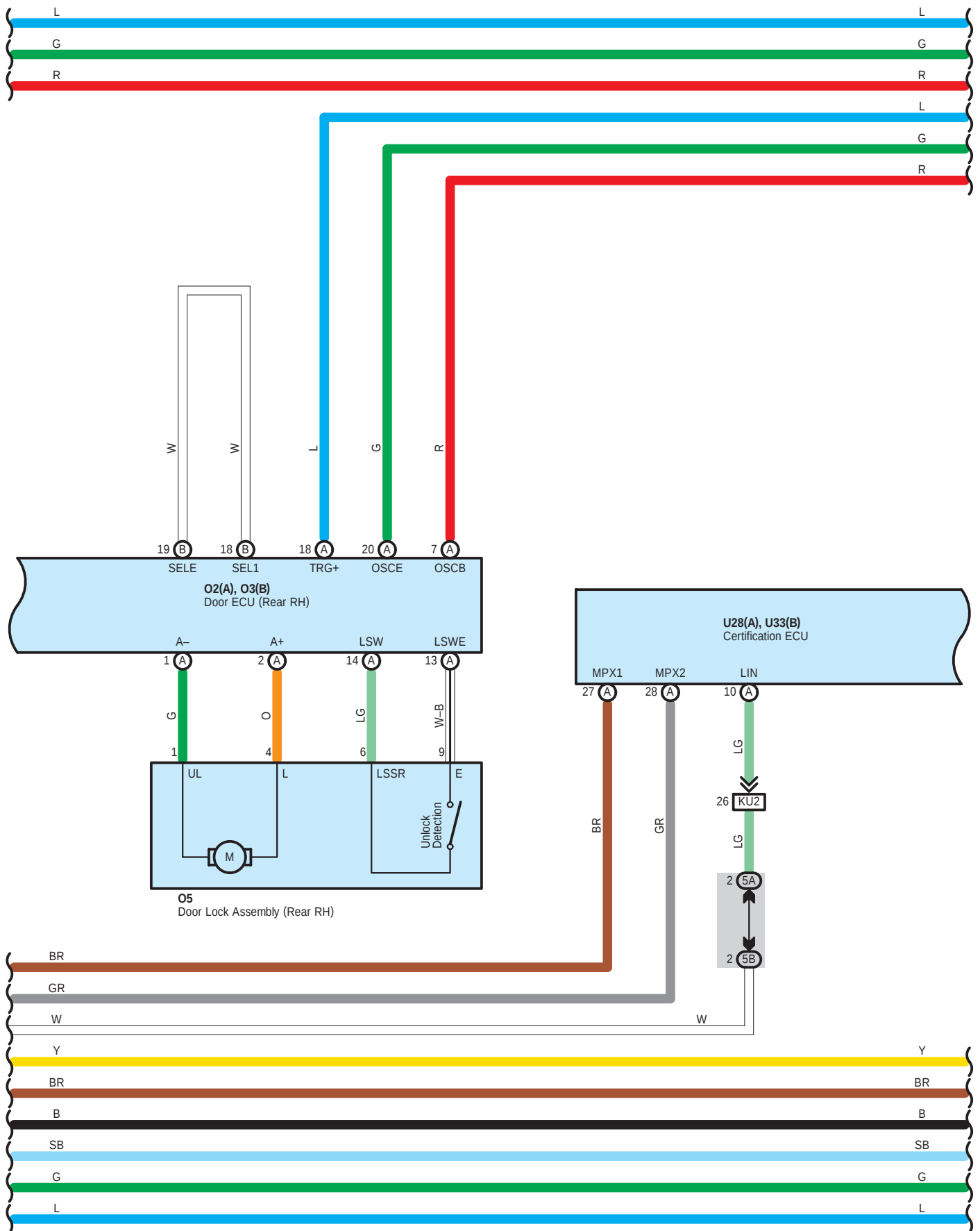


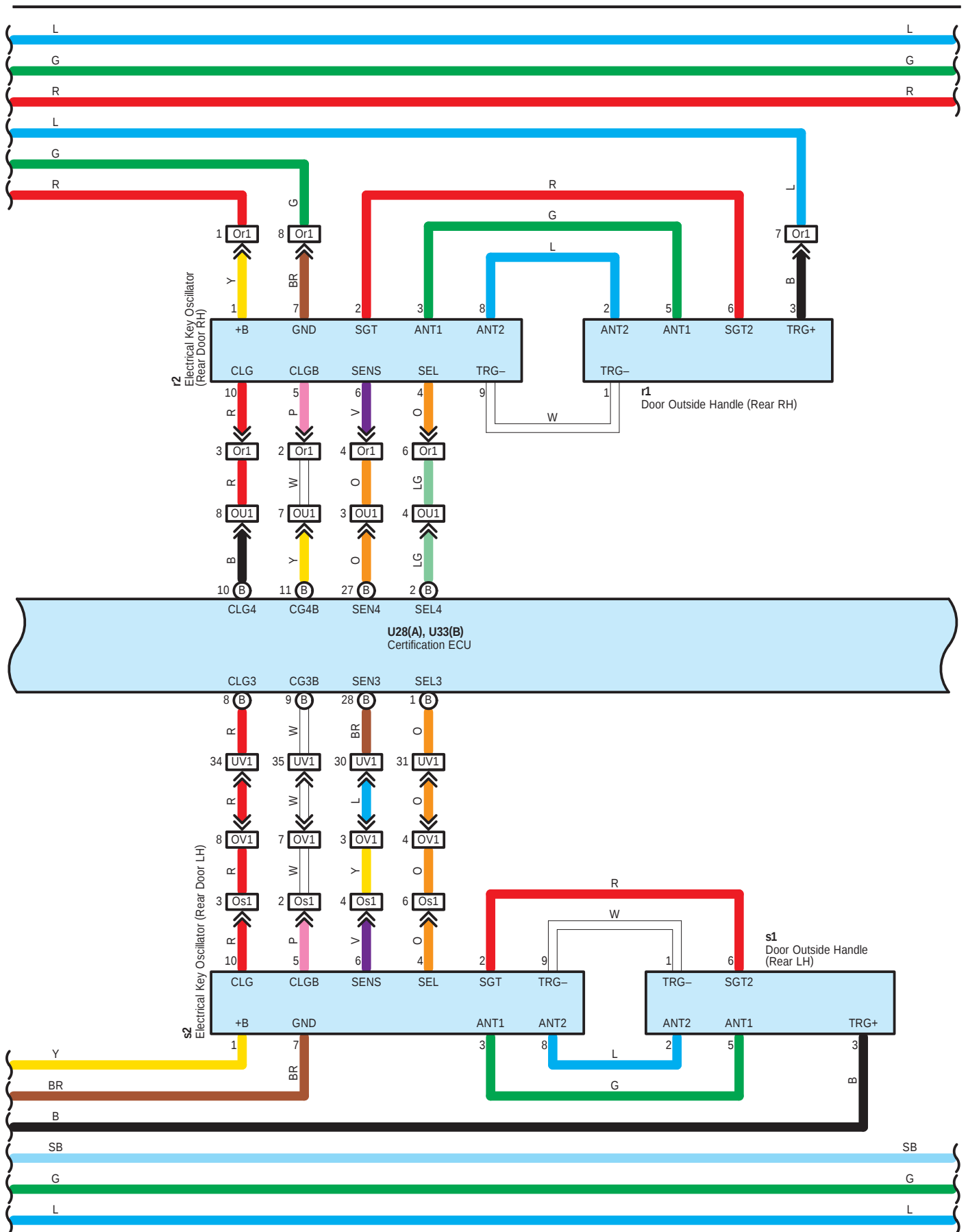
# Wireless Door Lock Control



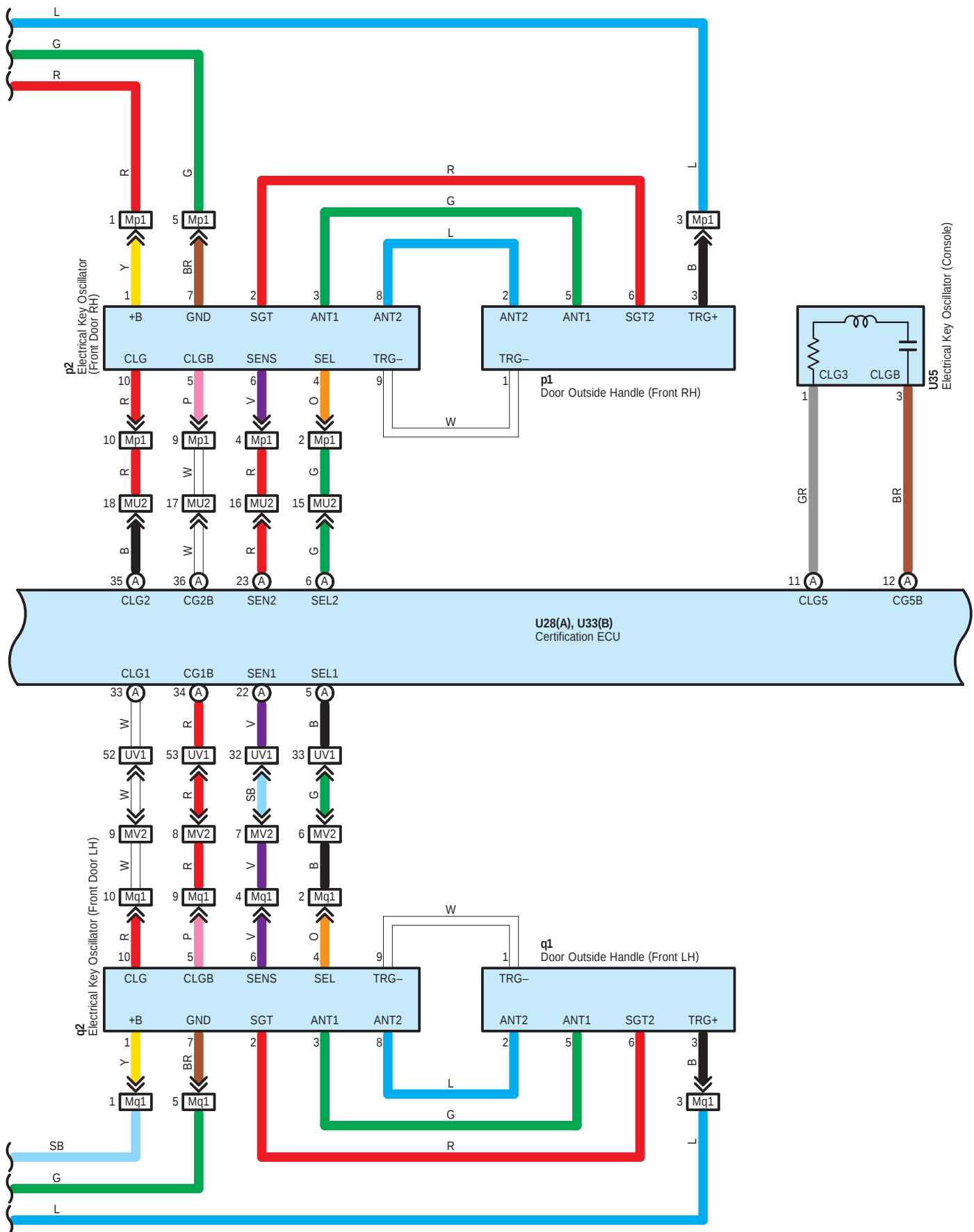


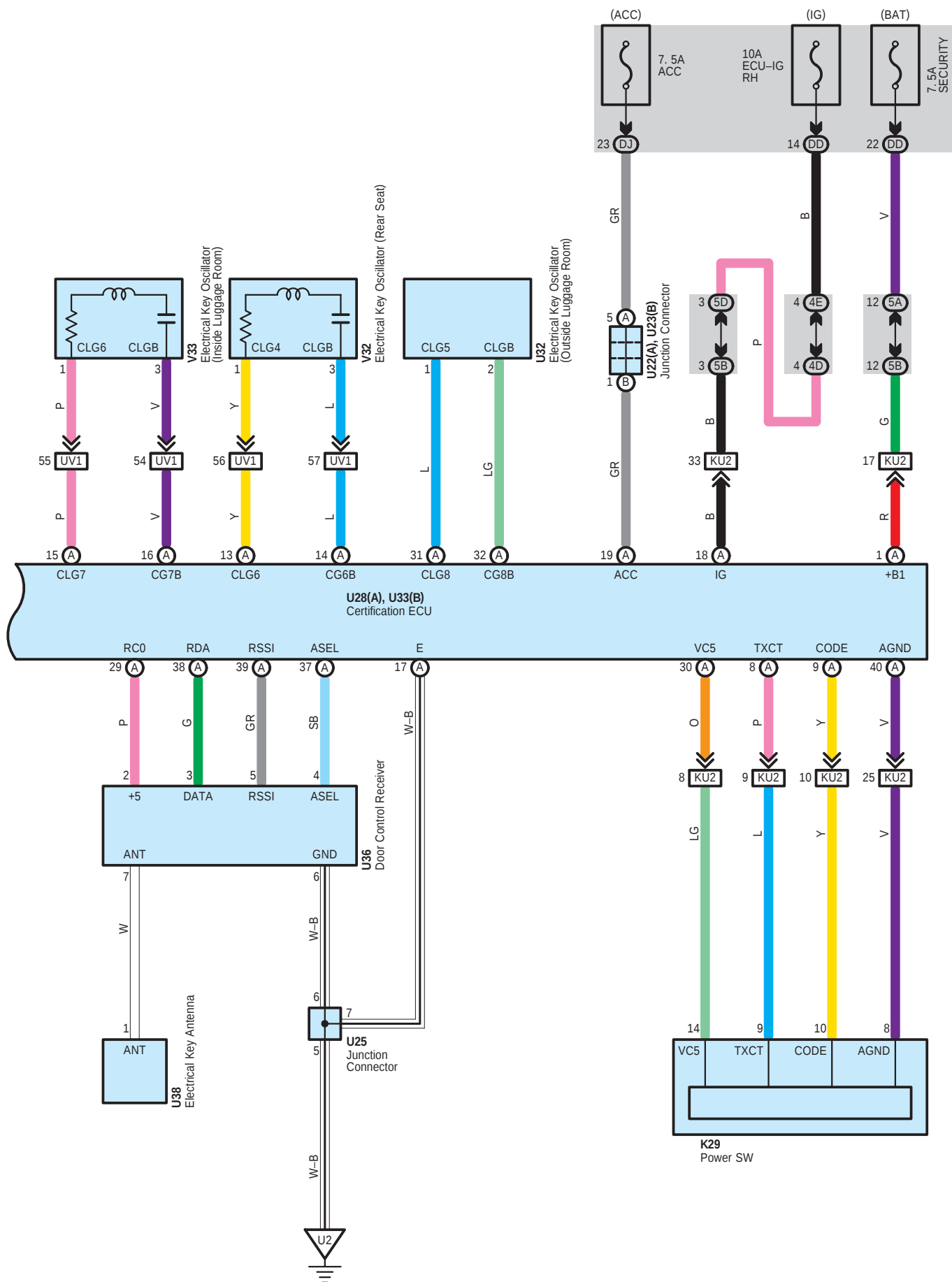
# Wireless Door Lock Control





# Wireless Door Lock Control





# Wireless Door Lock Control

## ○ : Parts Location

| Code |   | See Page | Code |   | See Page | Code |   | See Page |
|------|---|----------|------|---|----------|------|---|----------|
| A18  |   | 80       | O2   | A | 88       | V7   |   | 91       |
| A29  |   | 84       | O3   | B | 88       | V13  |   | 91       |
| A30  | A | 84       | O5   |   | 88       | V26  | A | 91       |
| A32  | A | 84       | O7   | A | 88       | V27  | B | 91       |
| A33  | B | 84       | O8   | B | 88       | V30  | A | 91       |
| A39  | A | 84       | O10  |   | 88       | V32  |   | 91       |
| B6   |   | 82       | Q13  |   | 89       | V33  |   | 91       |
| B7   |   | 82       | U1   | D | 87       | X2   |   | 92       |
| B9   |   | 82       | U4   |   | 90       | Y1   | B | 92       |
| K22  |   | 85       | U11  |   | 90       | Y5   |   | 92       |
| K29  |   | 85       | U22  | A | 90       | Y6   |   | 92       |
| K66  |   | 86       | U23  | B | 90       | Y7   |   | 92       |
| K68  | B | 86       | U25  |   | 90       | p1   |   | 93       |
| K73  |   | 86       | U28  | A | 90       | p2   |   | 93       |
| M3   | A | 88       | U32  |   | 90       | q1   |   | 93       |
| M4   | B | 88       | U33  | B | 90       | q2   |   | 93       |
| M6   |   | 88       | U35  |   | 87       | r1   |   | 93       |
| M9   | A | 88       | U36  |   | 90       | r2   |   | 93       |
| M10  | B | 88       | U38  |   | 90       | s1   |   | 93       |
| M12  |   | 88       | V3   | D | 87       | s2   |   | 93       |

## ○ : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location)            |
|------|----------|------------------------------------------------|
| 1    | 24       | Engine Room R/B No.1 (Engine Compartment Left) |

## ○ : Junction Block and Wire Harness Connector

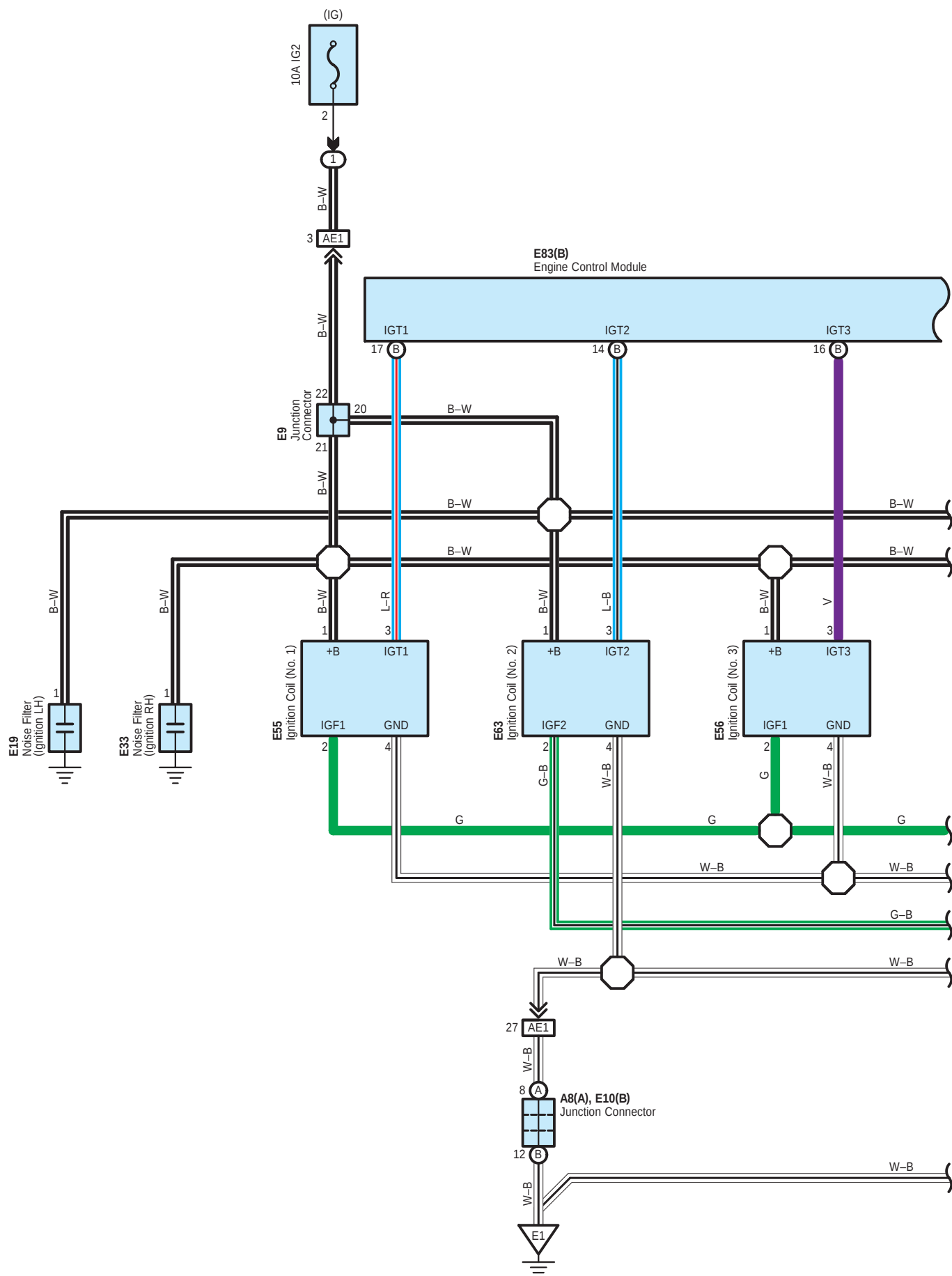
| Code | See Page | Junction Block and Wire Harness (Connector Location)                                       |
|------|----------|--------------------------------------------------------------------------------------------|
| 1X   | 29       | Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment left)                   |
| 1Z   | 29       | Engine Room No.2 Wire and Engine Room J/B No.2 (Engine Compartment left)                   |
| 4D   | 70       | Instrument Panel Wire and Center J/B RH (Right Side of the Instrument Panel Reinforcement) |
| 4E   |          |                                                                                            |
| 4F   |          |                                                                                            |
| 5A   | 66       | Instrument Panel Wire and Center J/B LH (Right Side of the Instrument Panel Reinforcement) |
| 5B   |          |                                                                                            |
| 5D   |          |                                                                                            |
| 5E   |          |                                                                                            |
| 5M   |          |                                                                                            |
| DA   | 55       | Instrument Panel Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| DD   |          |                                                                                            |
| DJ   | 56       | Floor Wire and Cowl Side J/B RH (Behind the Glove Box)                                     |
| DK   | 56       | Engine Room Main Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| LA   | 62       | Floor No.2 Wire and Luggage Room J/B (Left Side of the Quarter Panel )                     |
| LC   | 63       |                                                                                            |
| LF   |          |                                                                                            |
| PD   | 49       | Instrument Panel Wire and Cowl Side J/B LH (Lower Finish Panel)                            |
| PJ   | 50       | Floor No.2 Wire and Cowl Side J/B LH (Lower Finish Panel)                                  |
| PL   | 50       | Engine Room Main Wire and Cowl Side J/B LH (Lower Finish Panel)                            |

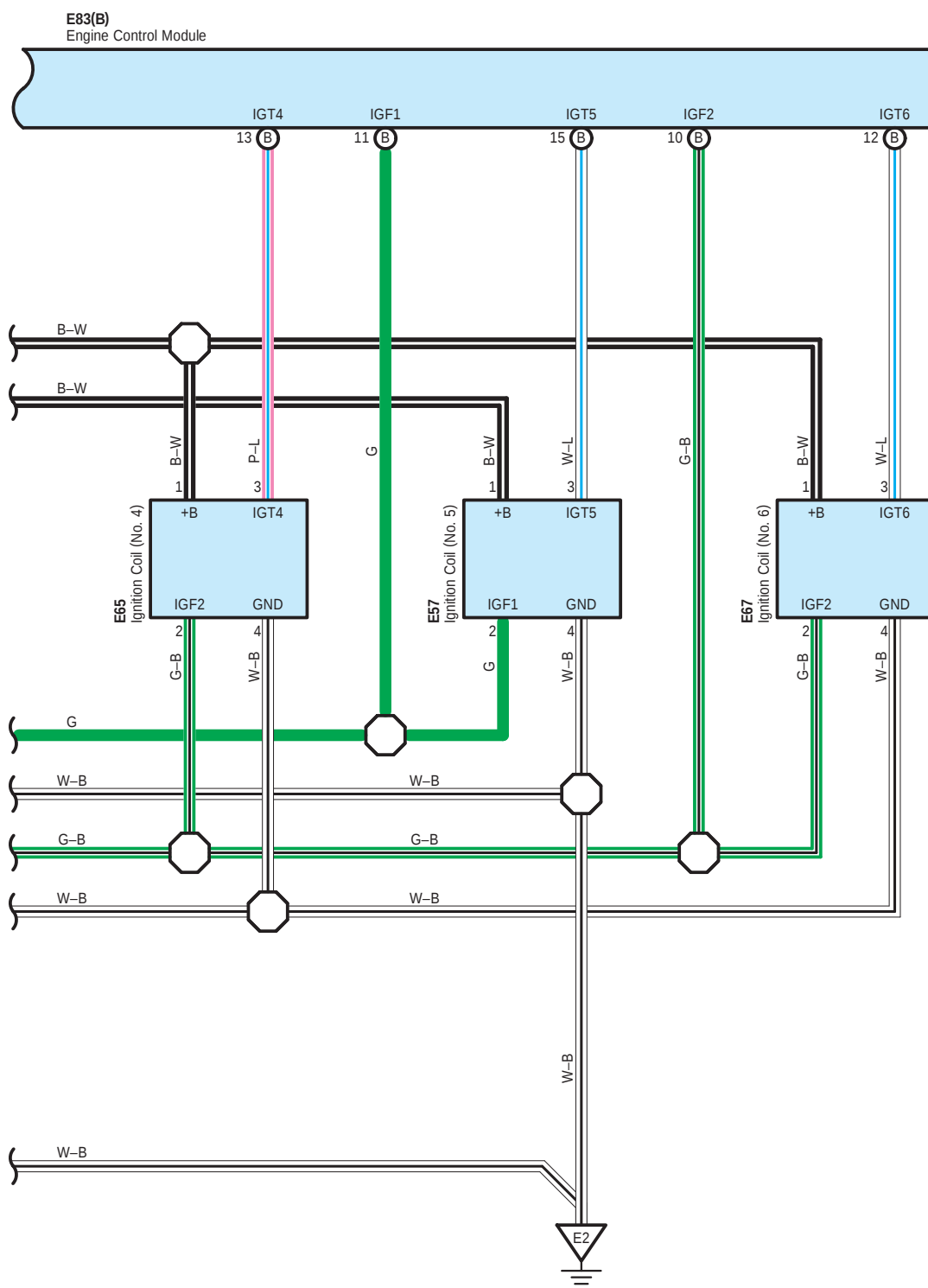
 : Connector Joining Wire Harness and Wire Harness

| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location)                              |
|------|----------|-----------------------------------------------------------------------------------------|
| KA2  | 97       | Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)                       |
| KU2  | 97       | Instrument Panel Wire and Floor No.1 Wire (Right Kick Panel)                            |
| KV1  | 97       | Instrument Panel Wire and Floor No.2 Wire (Left Kick Panel)                             |
| MQ2  | 98       | Front Door LH Wire and Front Door LH No.2 Wire (Front Door Inner Panel LH)              |
| MU1  | 97       | Front Door RH Wire and Floor No.1 Wire (Right Kick Panel)                               |
| MU2  |          |                                                                                         |
| MV1  | 97       | Front Door LH Wire and Floor No.2 Wire (Left Kick Panel)                                |
| MV2  |          |                                                                                         |
| Mp1  | 98       | Front Door RH Wire and Electrical Key Wire Harness Front RH (Front Door Inner Panel RH) |
| Mq1  | 98       | Front Door LH Wire and Electrical Key Wire Harness Front LH (Front Door Inner Panel LH) |
| OU1  | 98       | Rear Door No.1 Wire and Floor No.1 Wire (Right Center Pillar)                           |
| OV1  | 98       | Rear Door No.2 Wire and Floor No.2 Wire (Left Center Pillar)                            |
| Or1  | 98       | Rear Door No.1 Wire and Electrical Key Wire Harness Rear RH (Rear Door Inner Panel RH)  |
| Os1  | 98       | Rear Door No.2 Wire and Electrical Key Wire Harness Rear LH (Rear Door Inner Panel LH)  |
| UV1  | 98       | Floor No.1 Wire and Floor No.2 Wire (Center of the Rear Floor Partition Panel)          |
| VX1  | 98       | Floor No.2 Wire and Luggage Room Wire (Quarter Wheel House Inner Panel LH)              |

 : Ground Points

| Code | See Page | Ground Points Location                       |
|------|----------|----------------------------------------------|
| A2   | 96       | Front Left Fender Apron                      |
| B1   | 96       | Near the Headlamp RH                         |
| U1   | 98       | Under the Front Passenger's Seat             |
| U2   | 98       | Right Side of the Rear Floor Partition Panel |
| V1   | 98       | Under the Driver's Seat                      |
| V2   | 98       | Roof Side Inner Panel LH                     |





# Ignition

## : Parts Location

| Code |   | See Page | Code | See Page | Code | See Page |
|------|---|----------|------|----------|------|----------|
| A8   | A | 80       | E33  | 81       | E63  | 81       |
| E9   |   | 81       | E55  | 81       | E65  | 81       |
| E10  | B | 81       | E56  | 81       | E67  | 81       |
| E19  |   | 81       | E57  | 81       | E83  | B 81     |

## : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location)            |
|------|----------|------------------------------------------------|
| 1    | 24       | Engine Room R/B No.1 (Engine Compartment Left) |

## : Connector Joining Wire Harness and Wire Harness

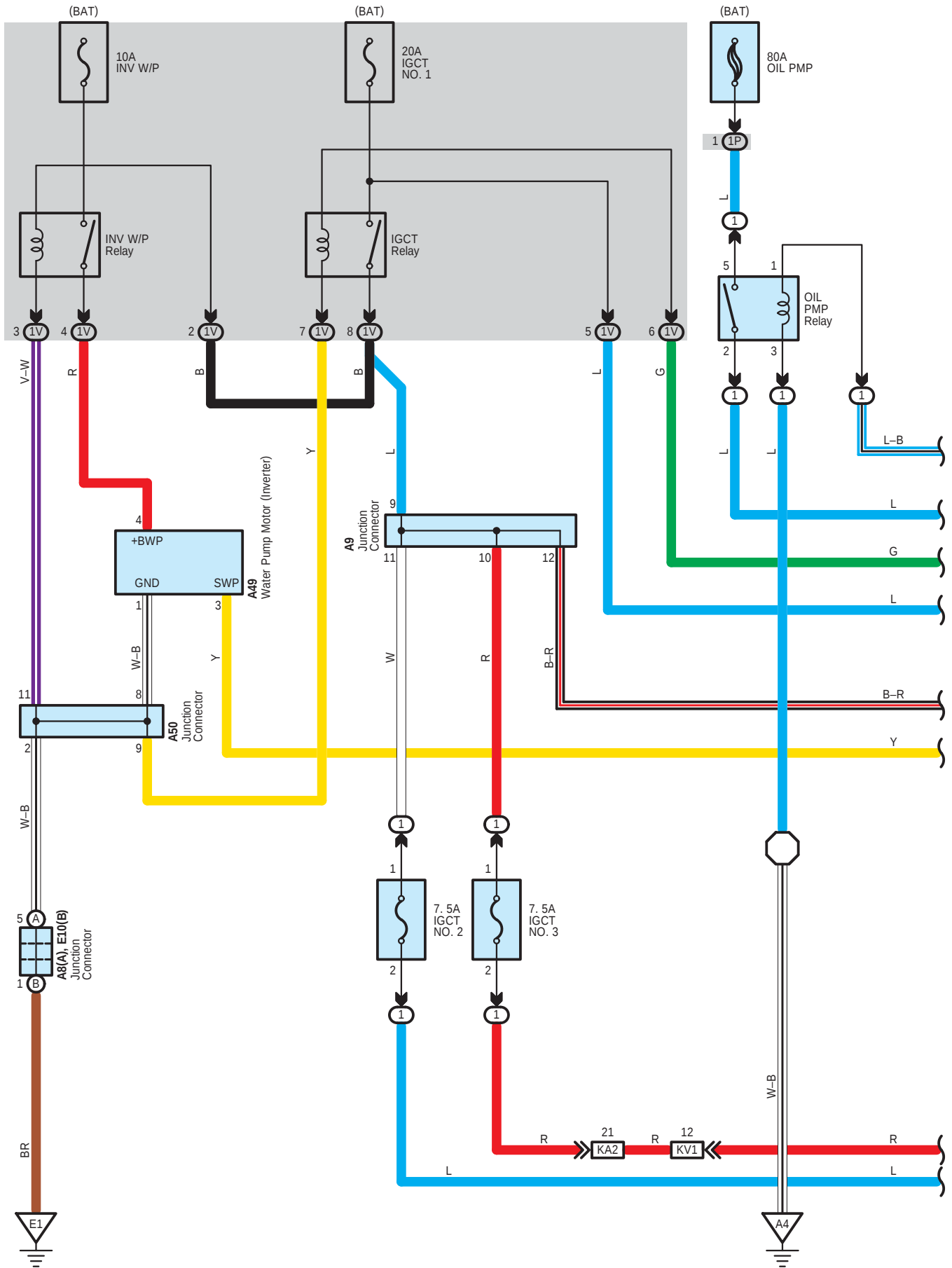
| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location)    |
|------|----------|---------------------------------------------------------------|
| AE1  | 96       | Engine Room Main Wire and Engine Wire (Inside of the ECU Box) |

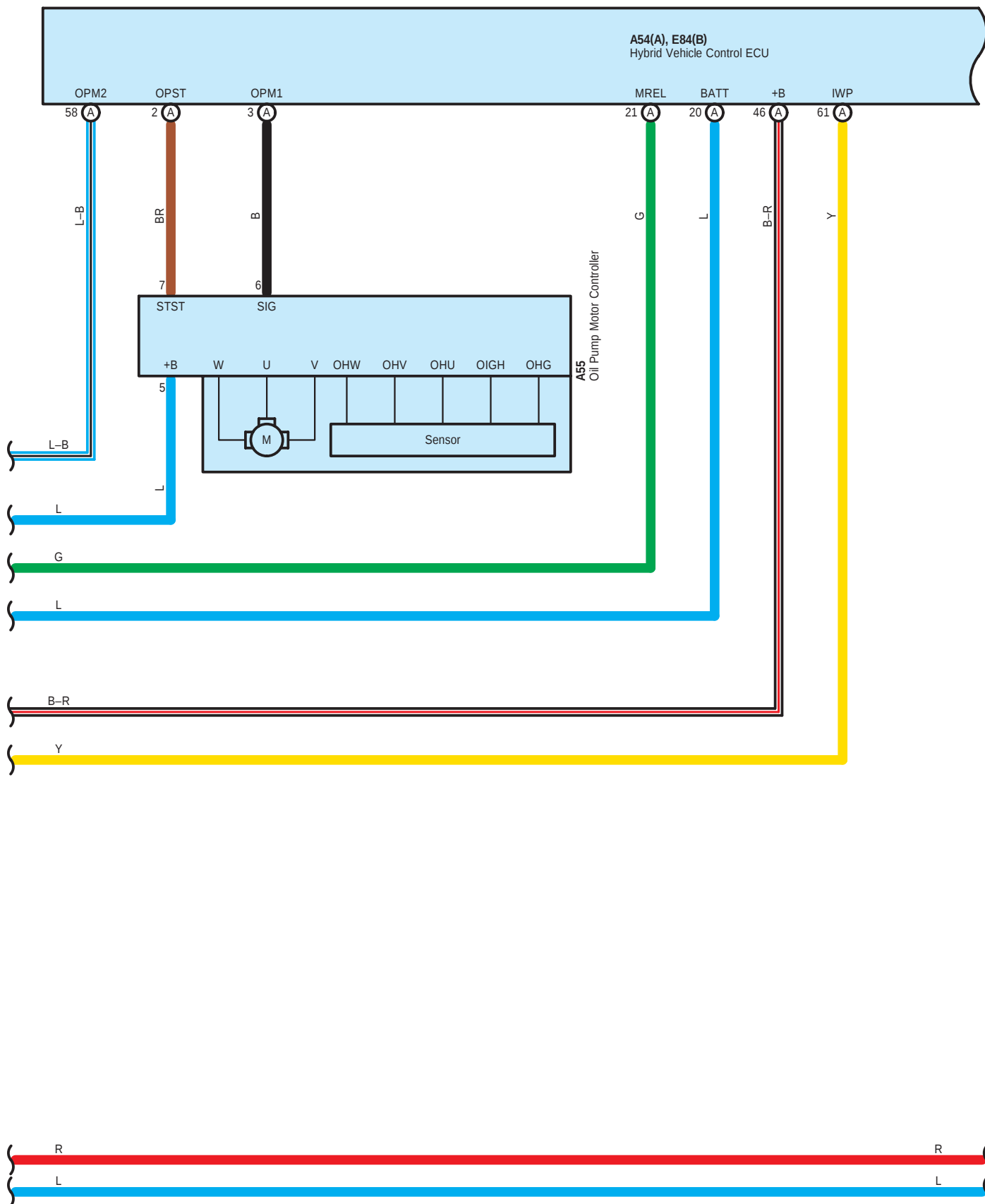
## : Ground Points

| Code | See Page | Ground Points Location               |
|------|----------|--------------------------------------|
| E1   | 96       | Rear Side of the Left Cylinder Head  |
| E2   | 96       | Rear Side of the Right Cylinder Head |

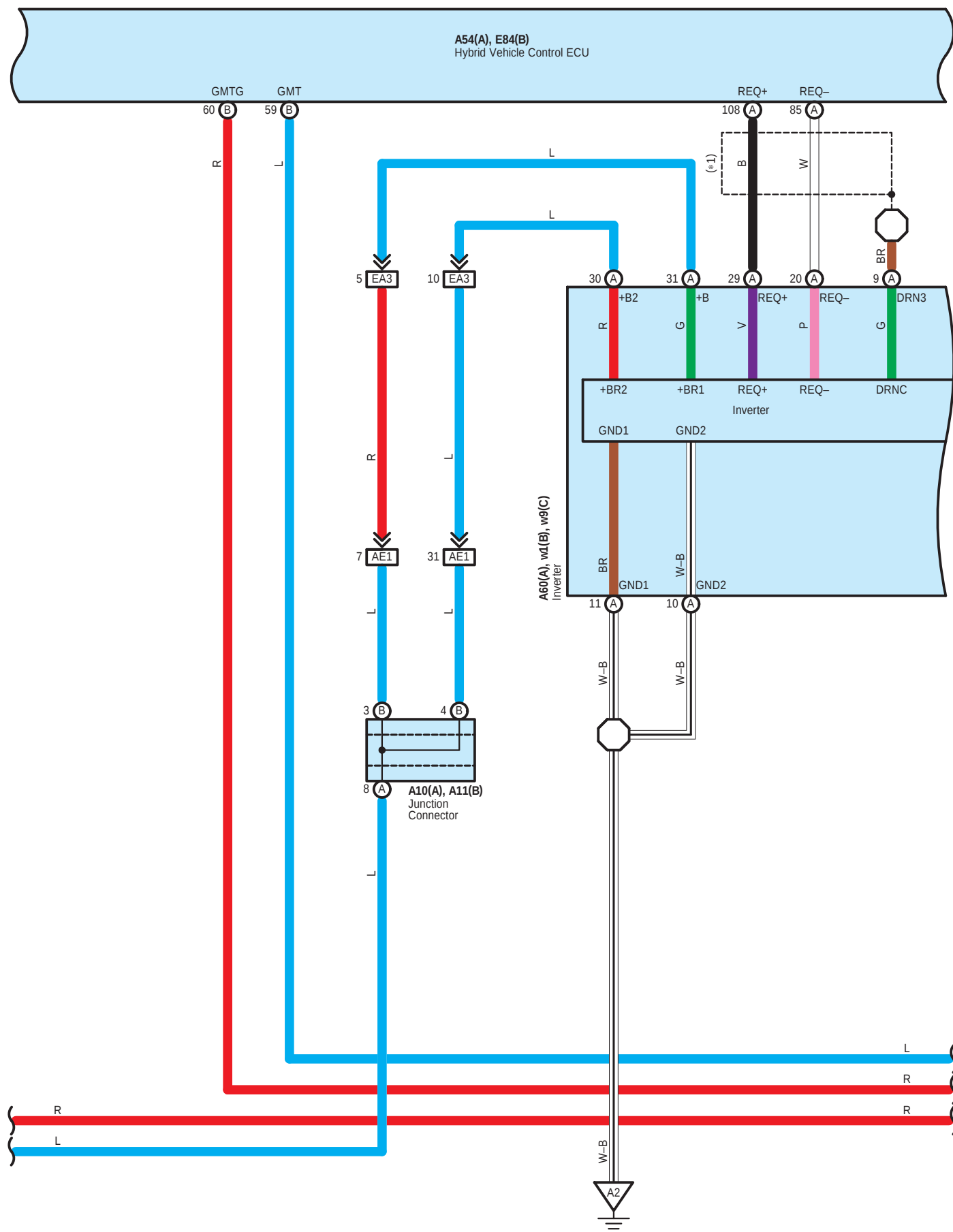


# Hybrid System and Shift Control System

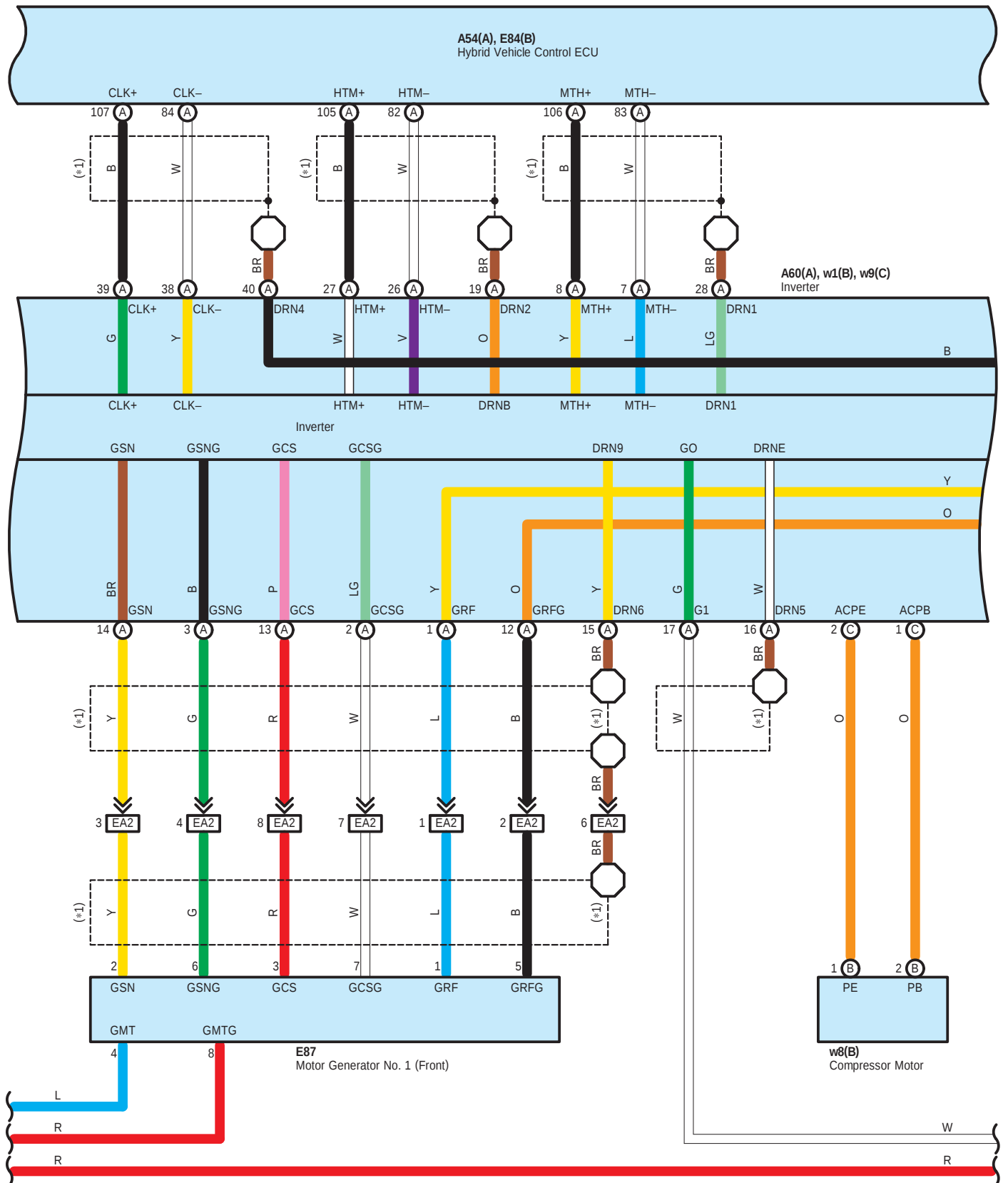




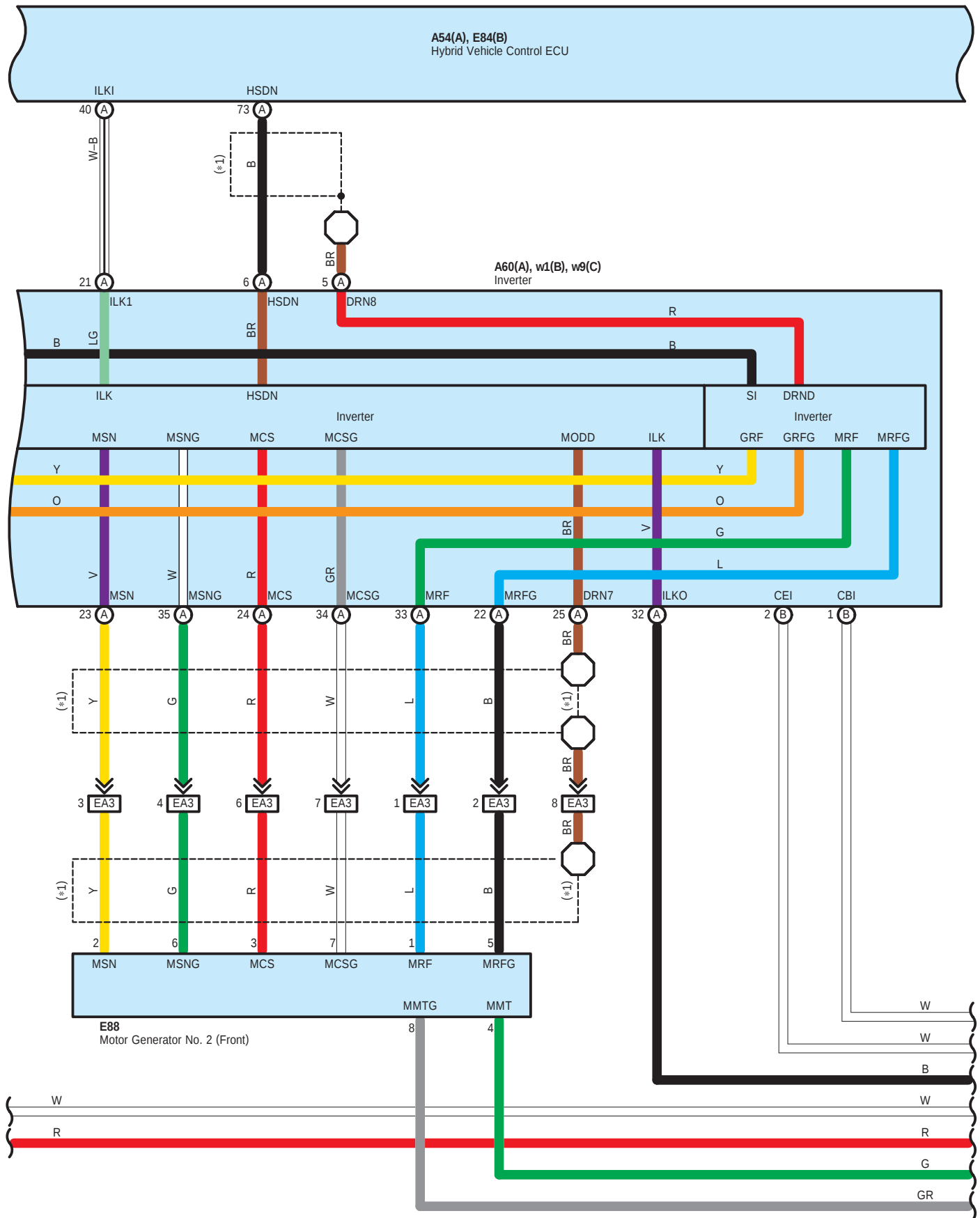
# Hybrid System and Shift Control System



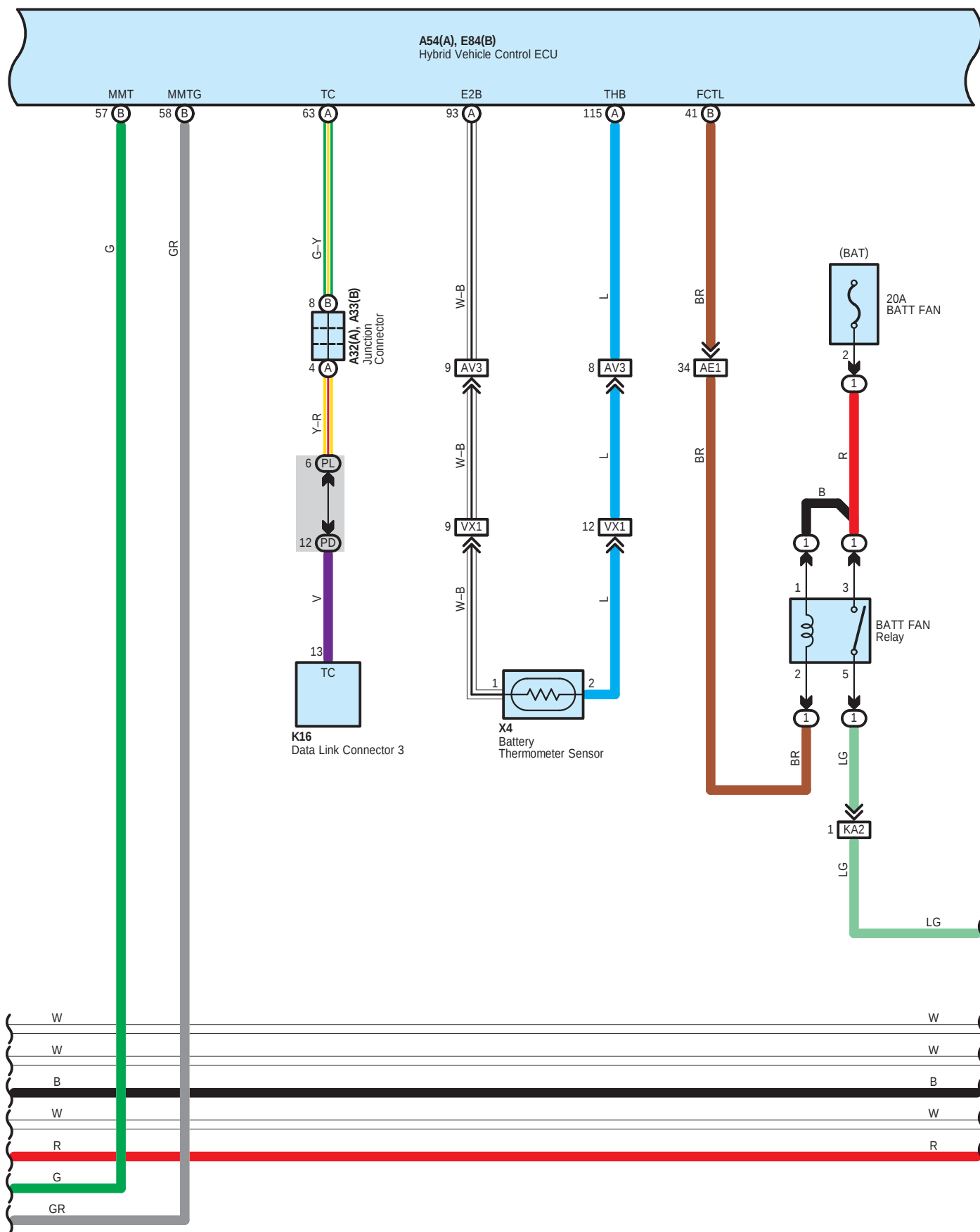
\* 1 : Shielded



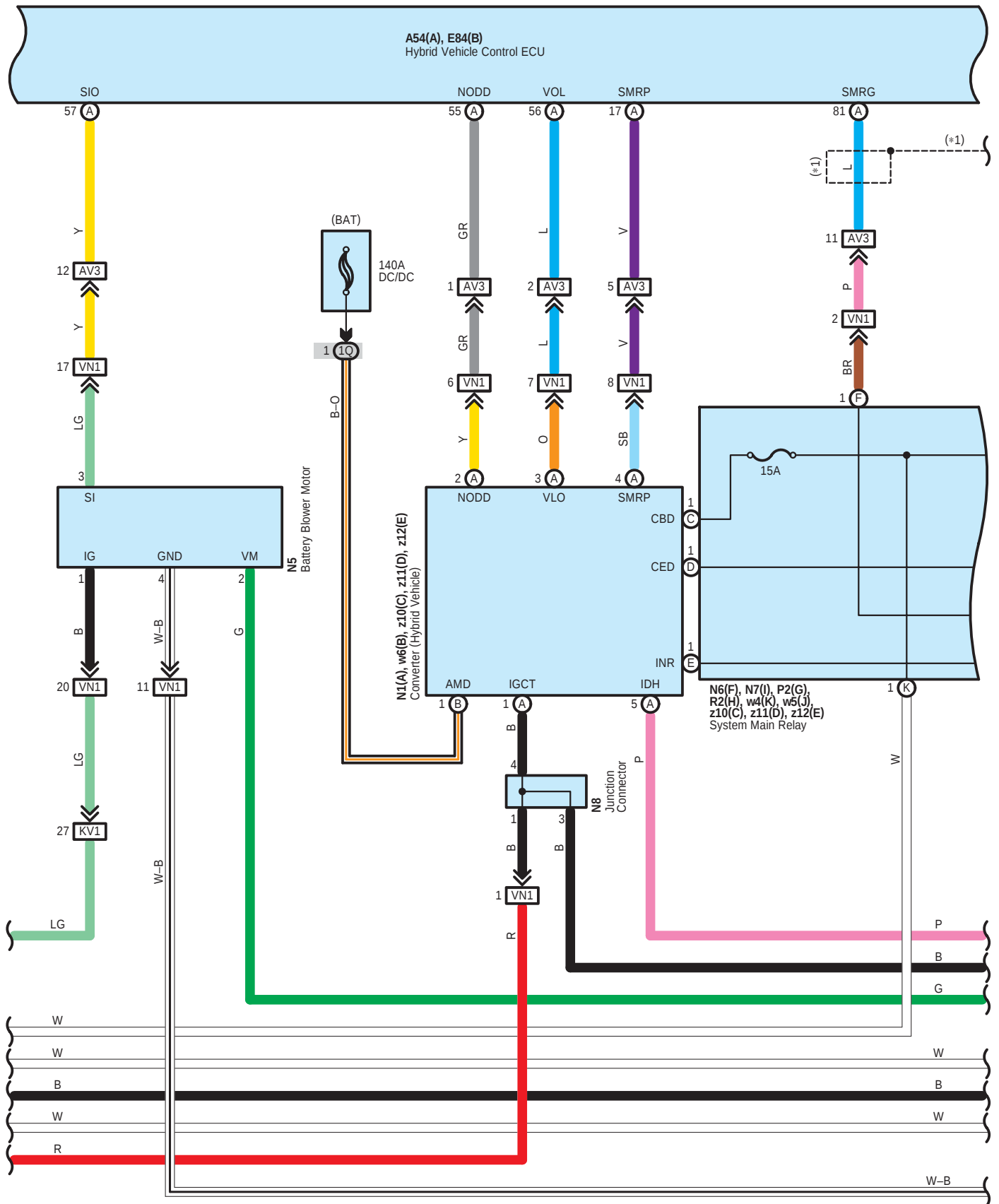
# Hybrid System and Shift Control System



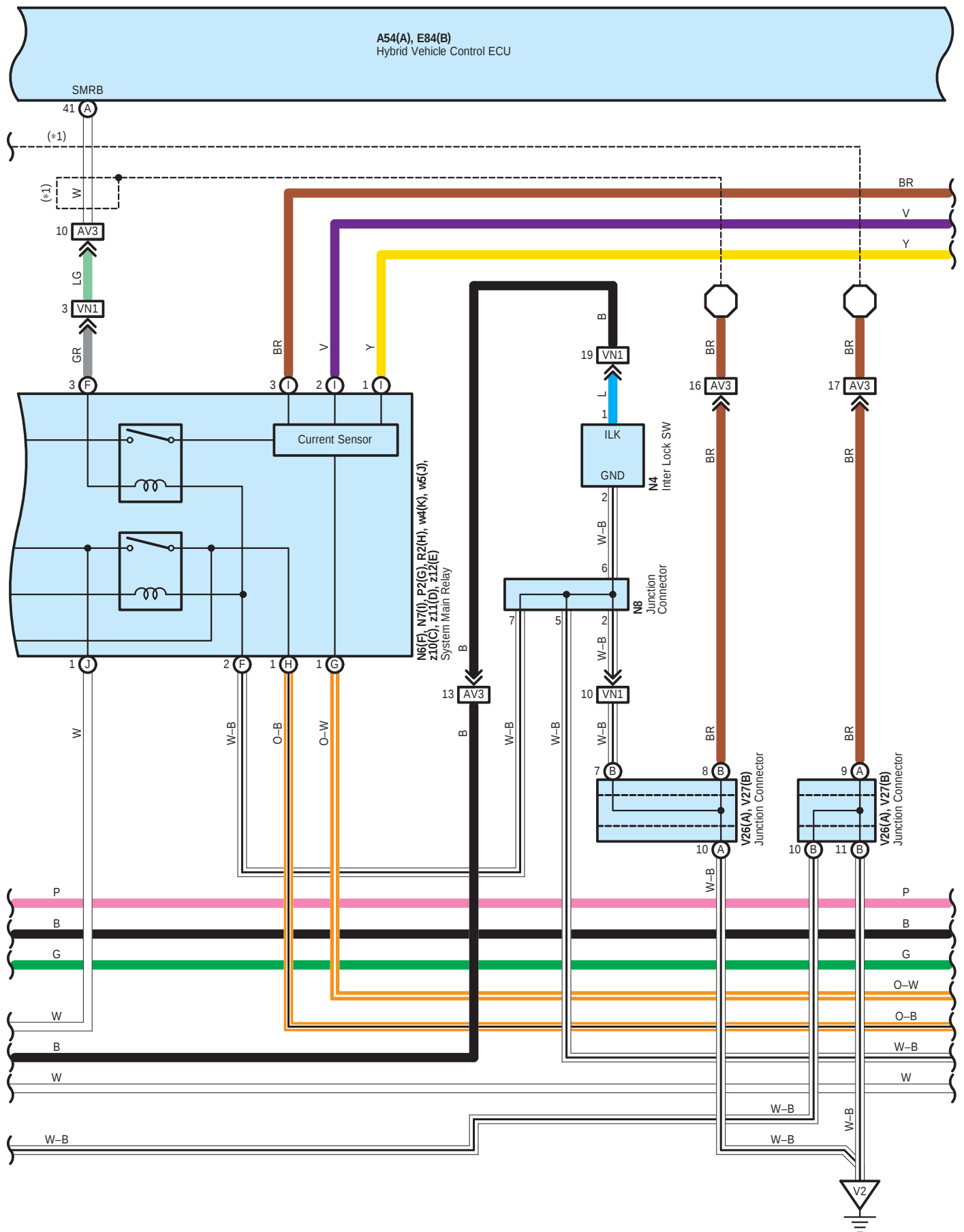
\* 1 : Shielded



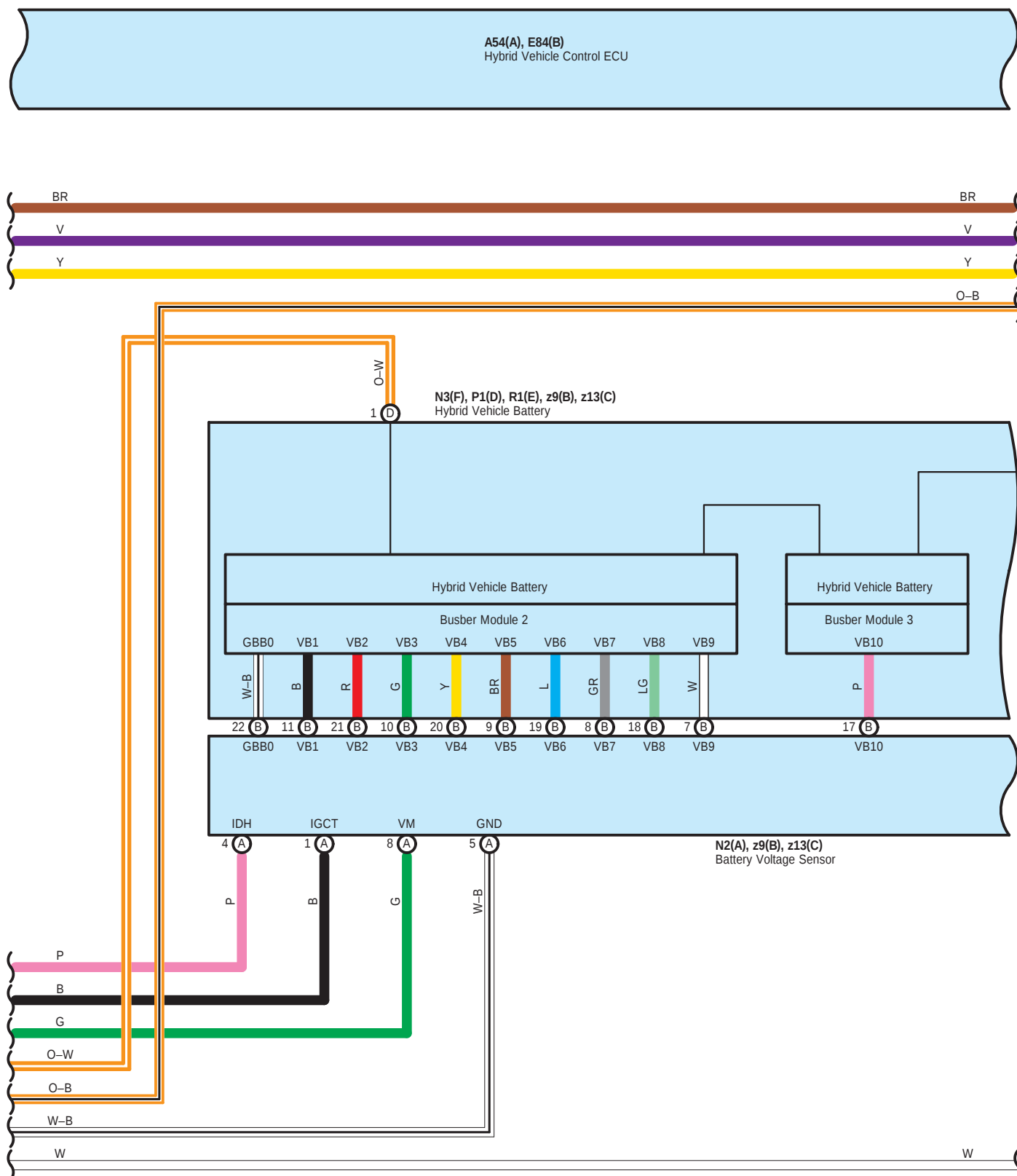
# Hybrid System and Shift Control System



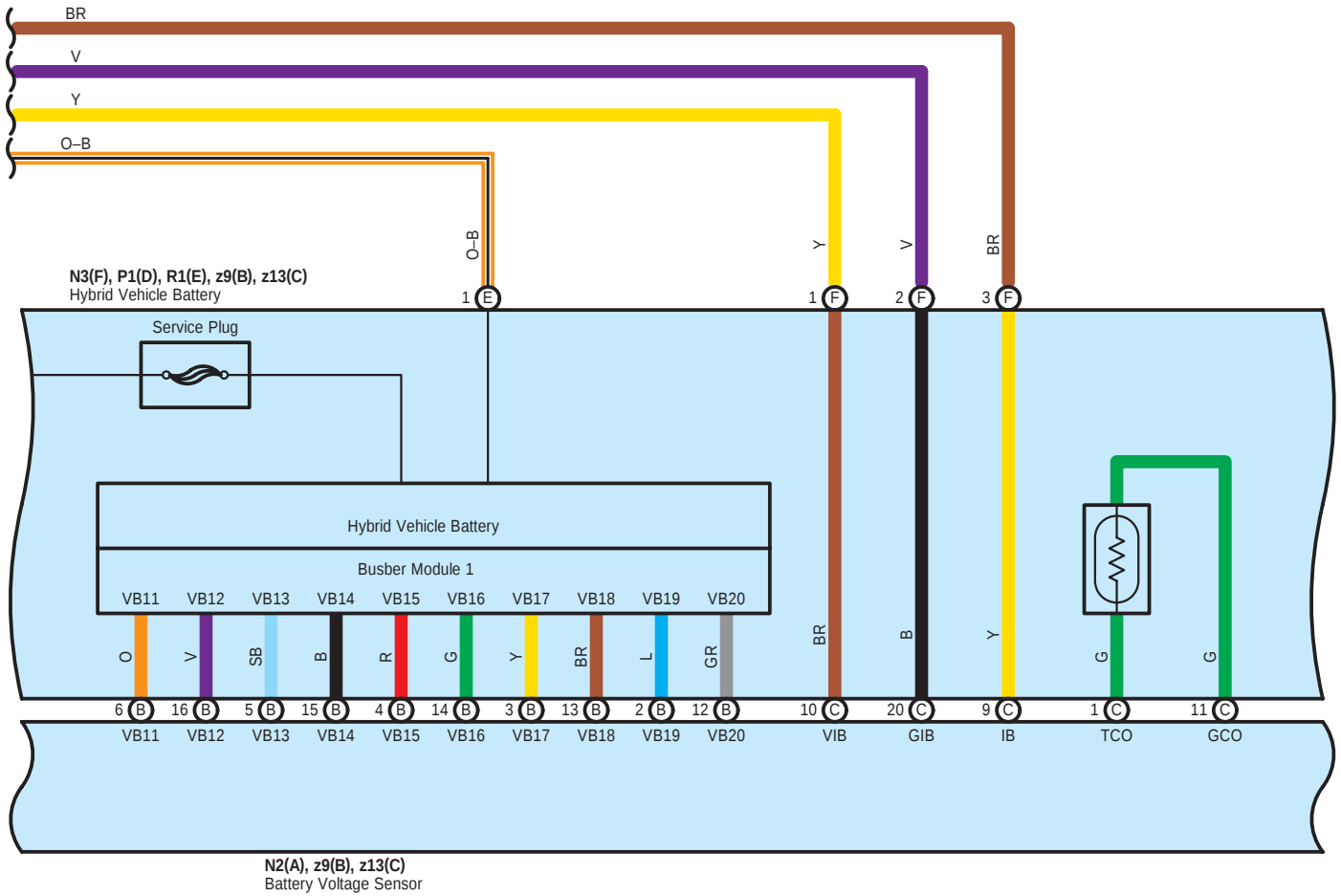
\* 1 : Shielded



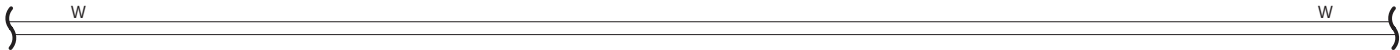
# Hybrid System and Shift Control System

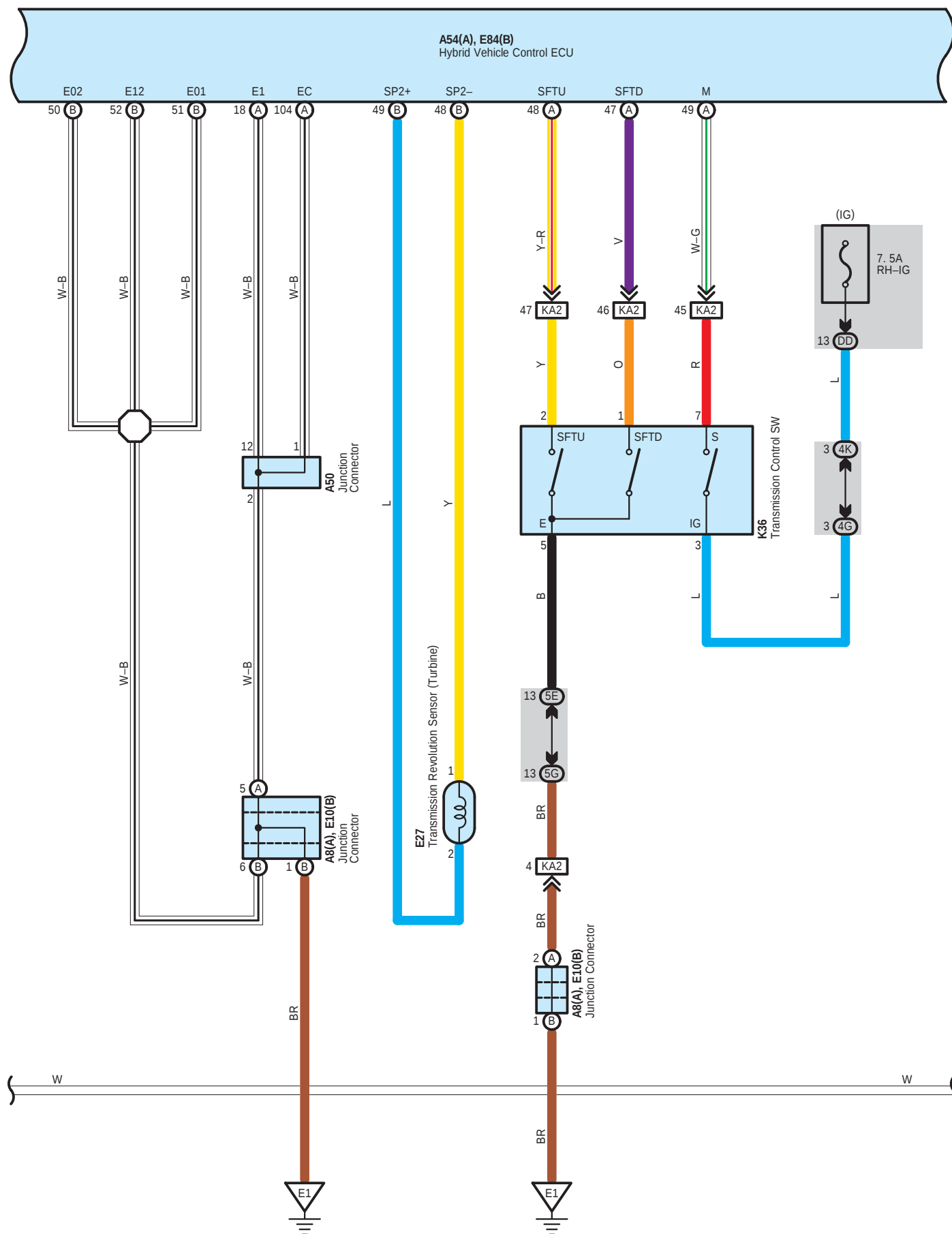


A54(A), E84(B)  
Hybrid Vehicle Control ECU

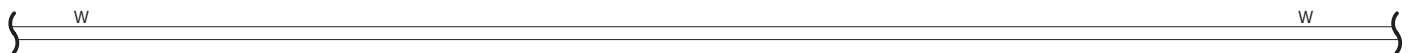
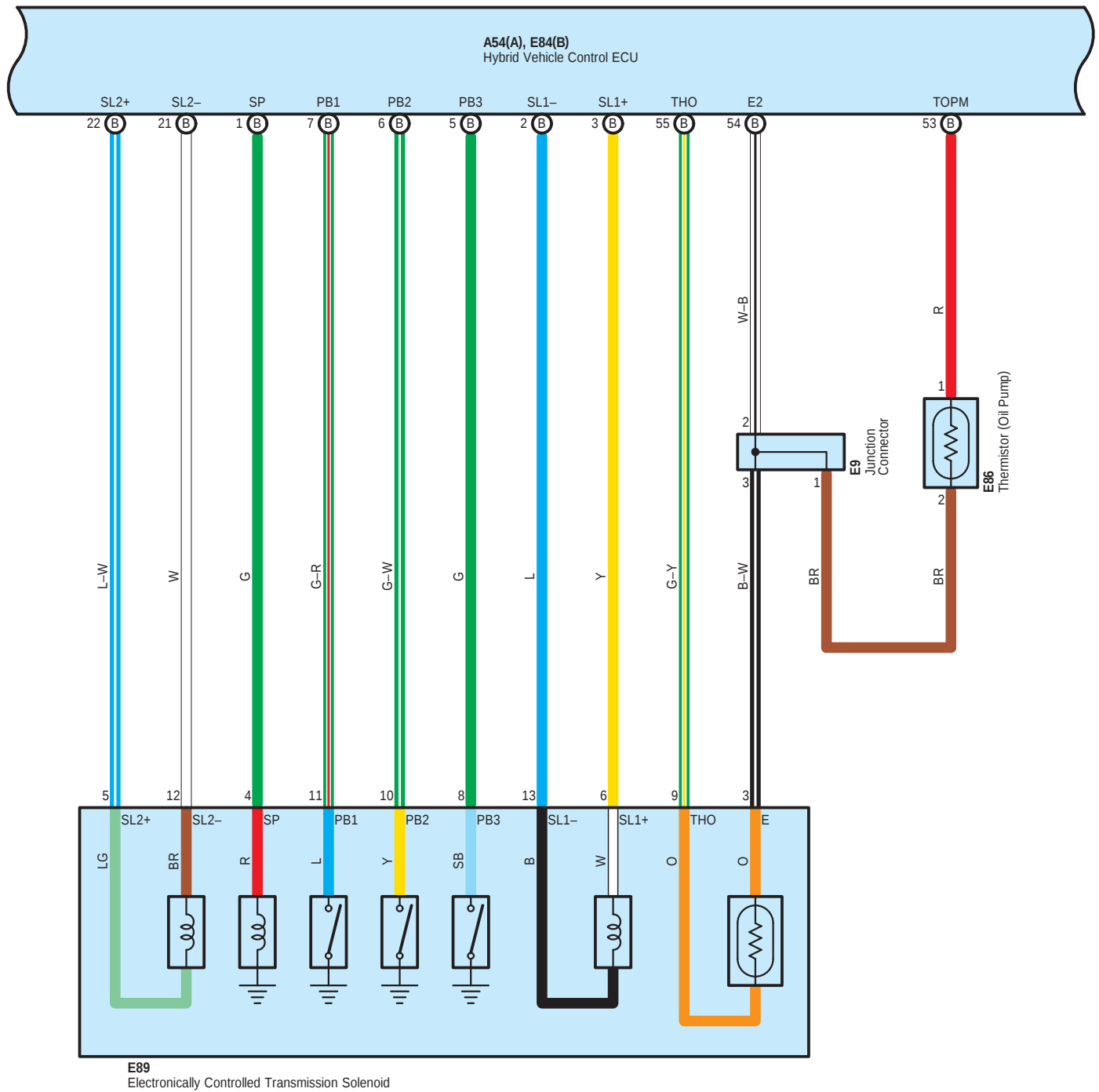


W } }

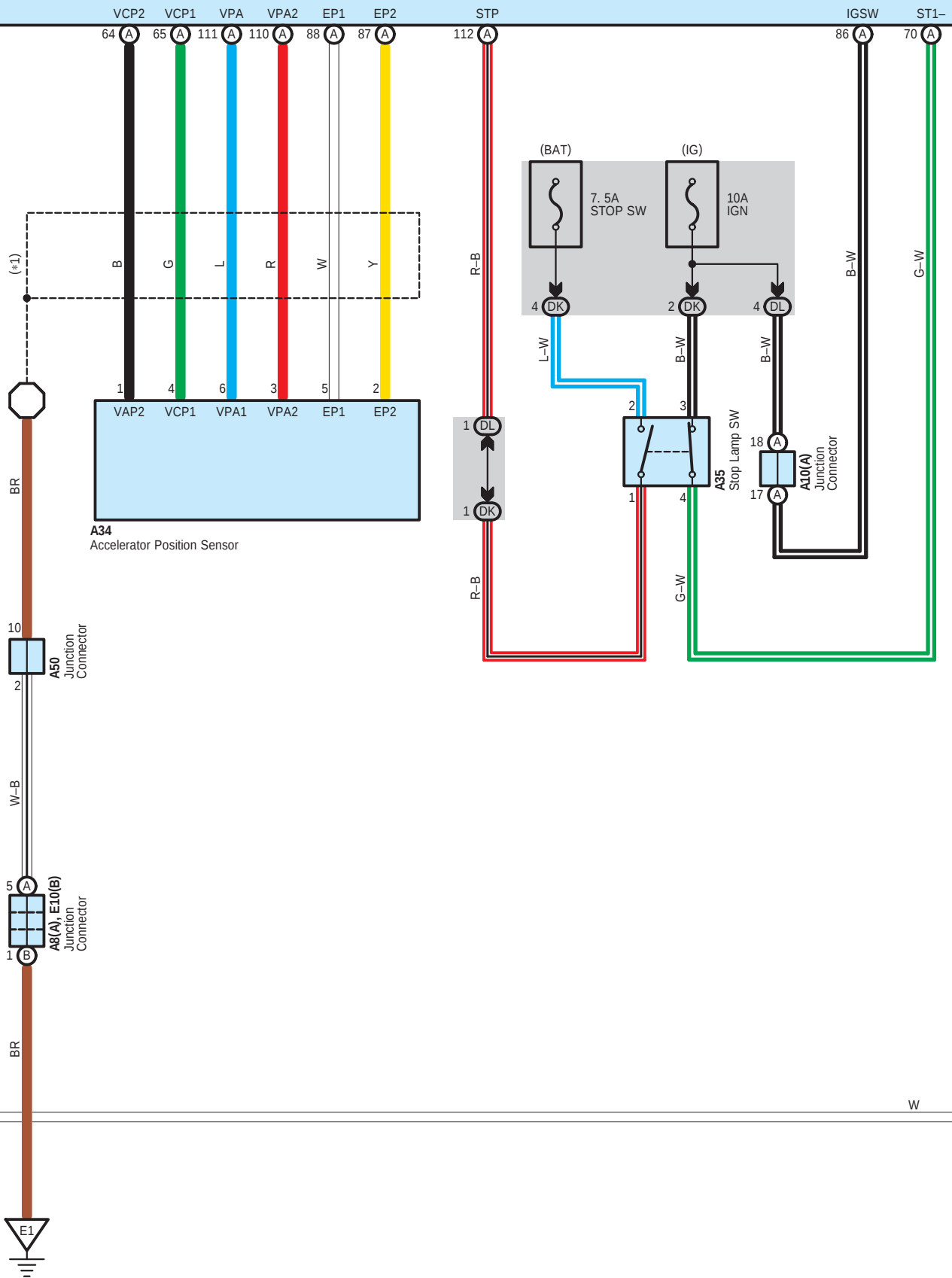




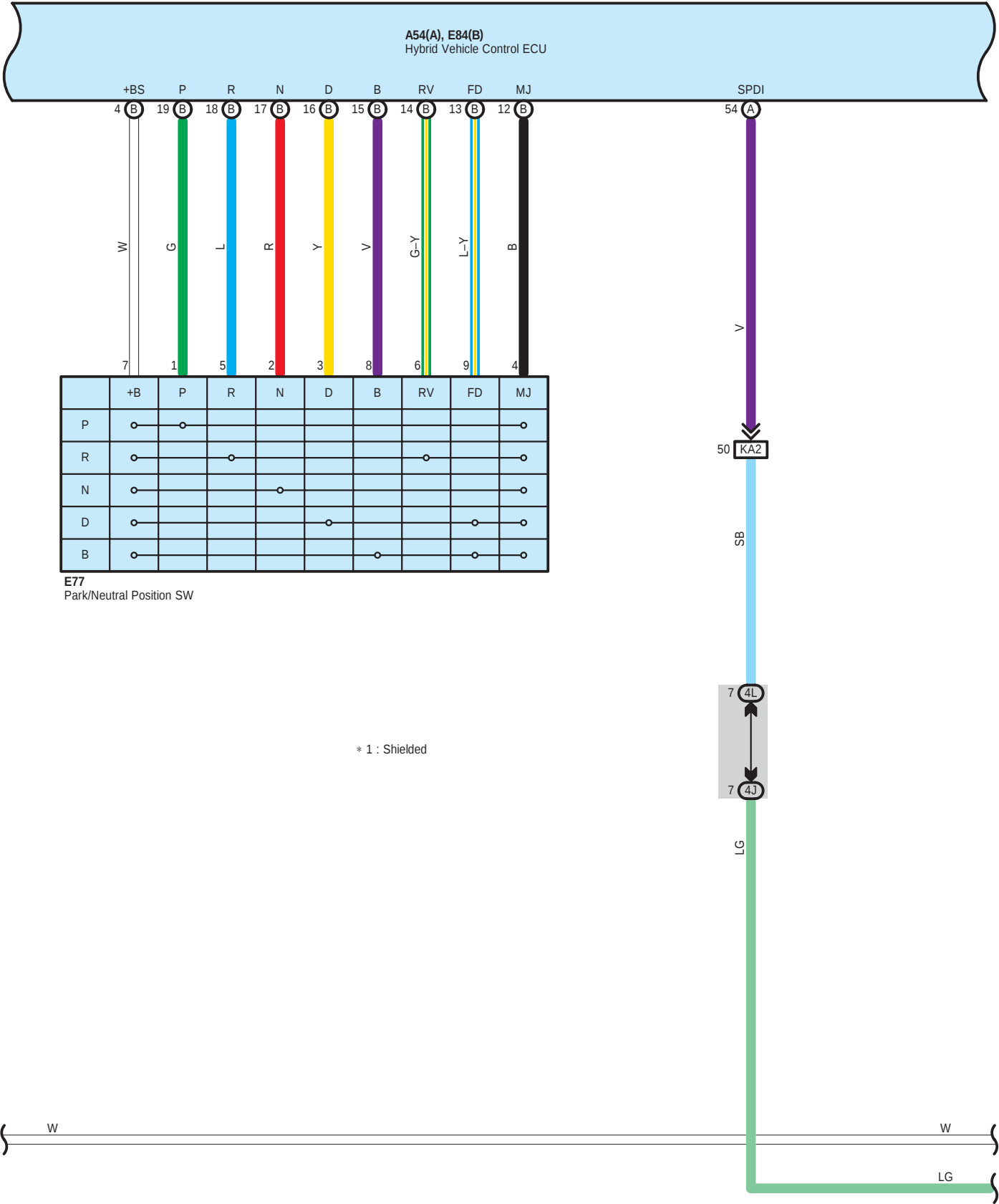
# Hybrid System and Shift Control System

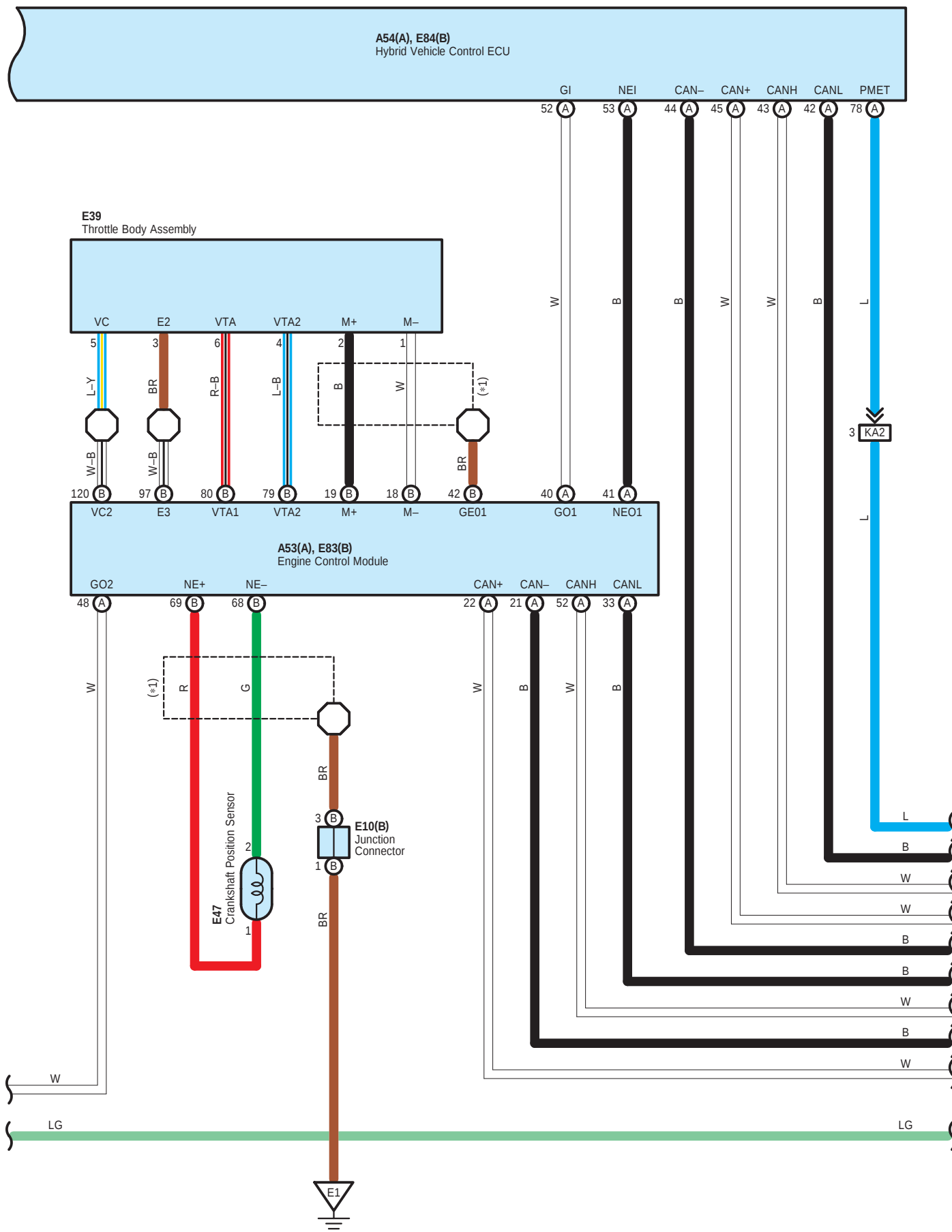


A54(A), E84(B)  
Hybrid Vehicle Control ECU

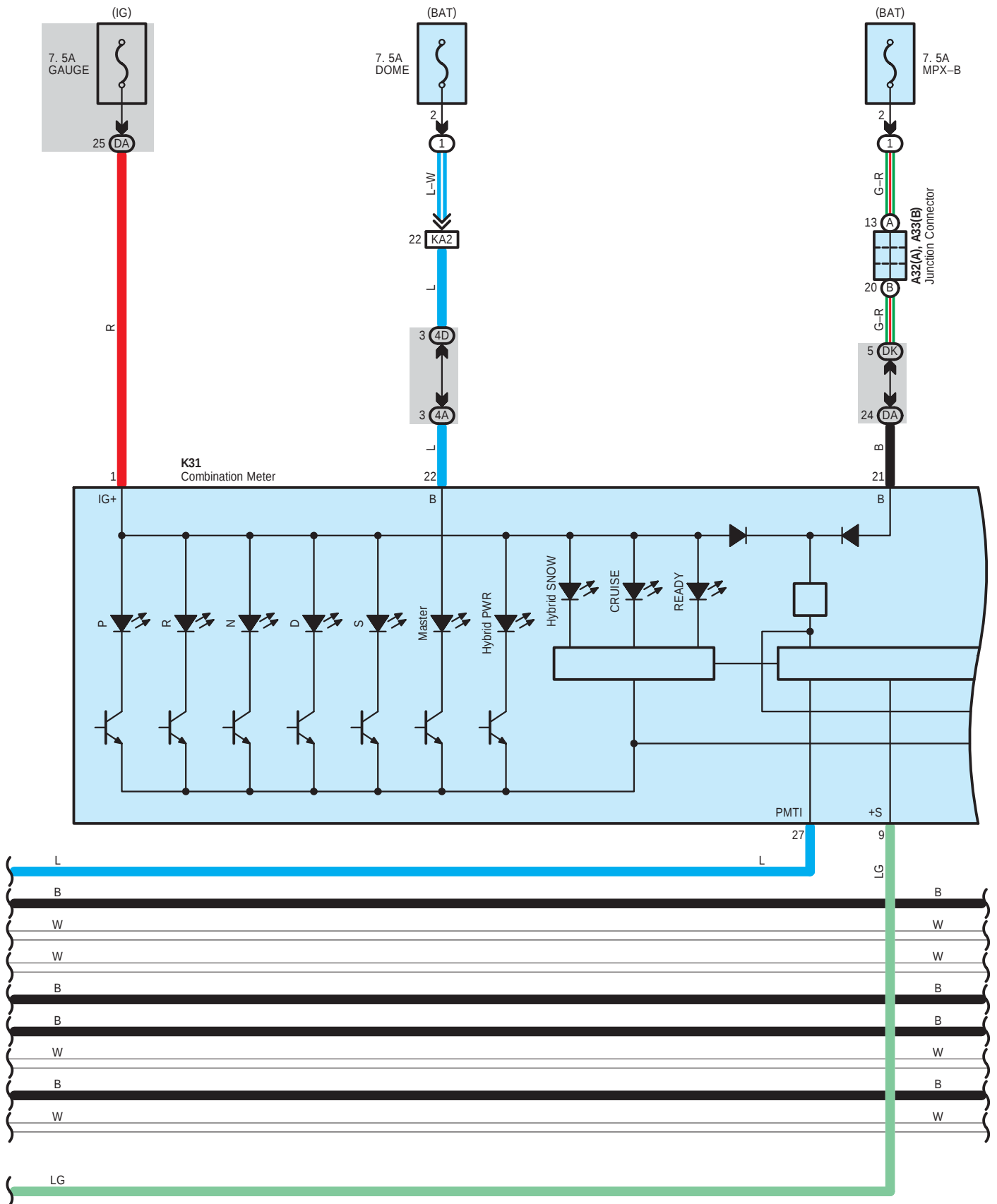


# Hybrid System and Shift Control System



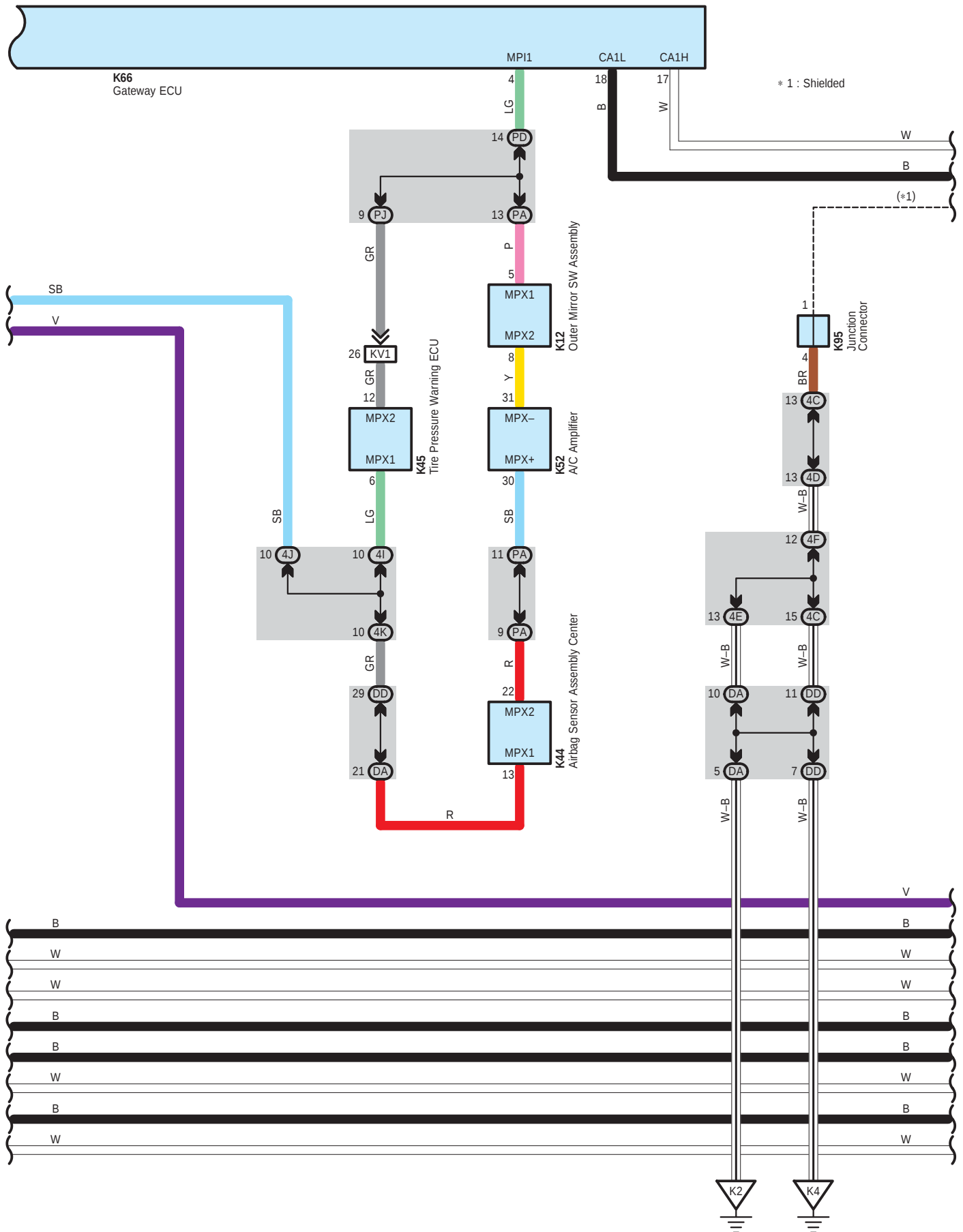


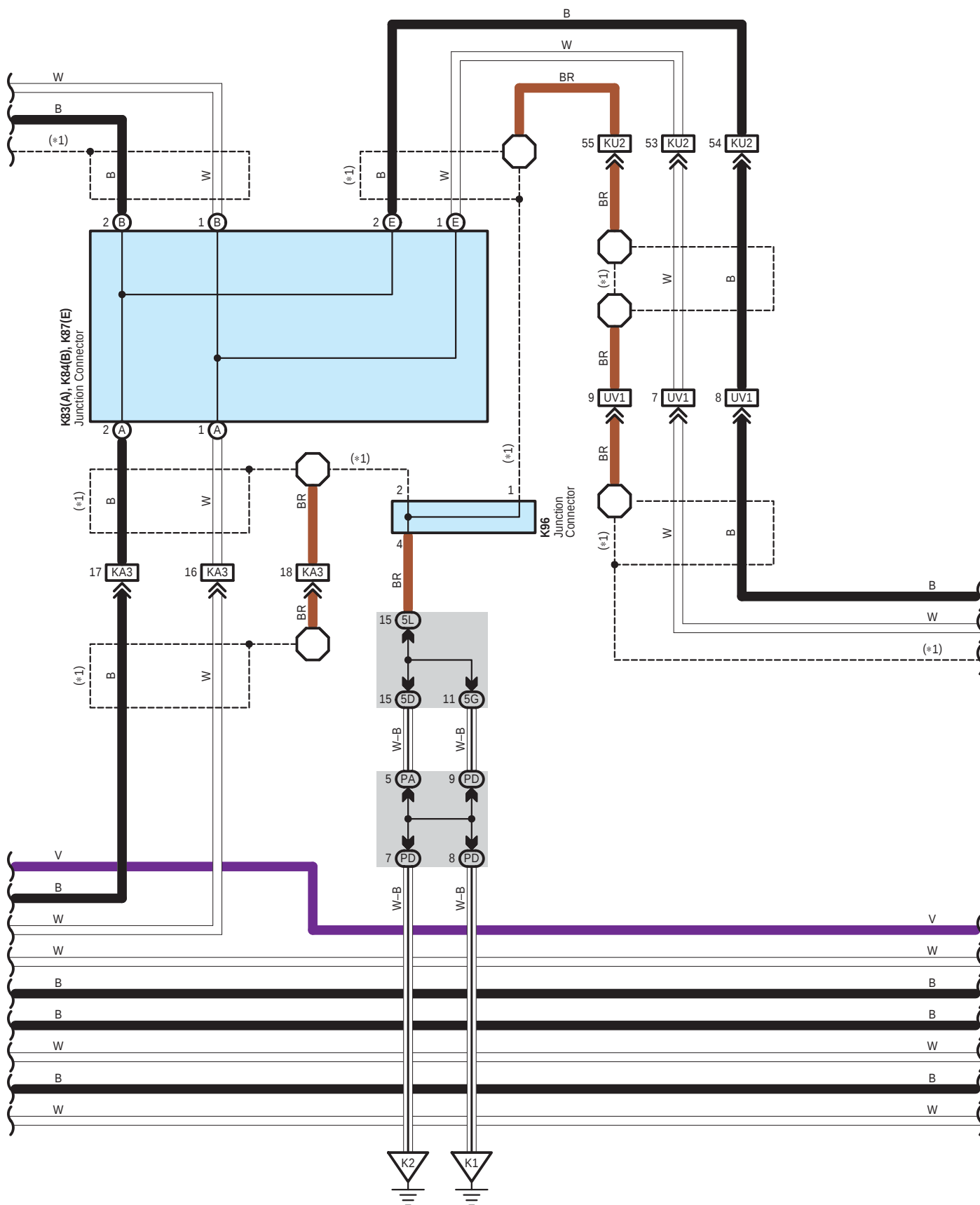
# Hybrid System and Shift Control System

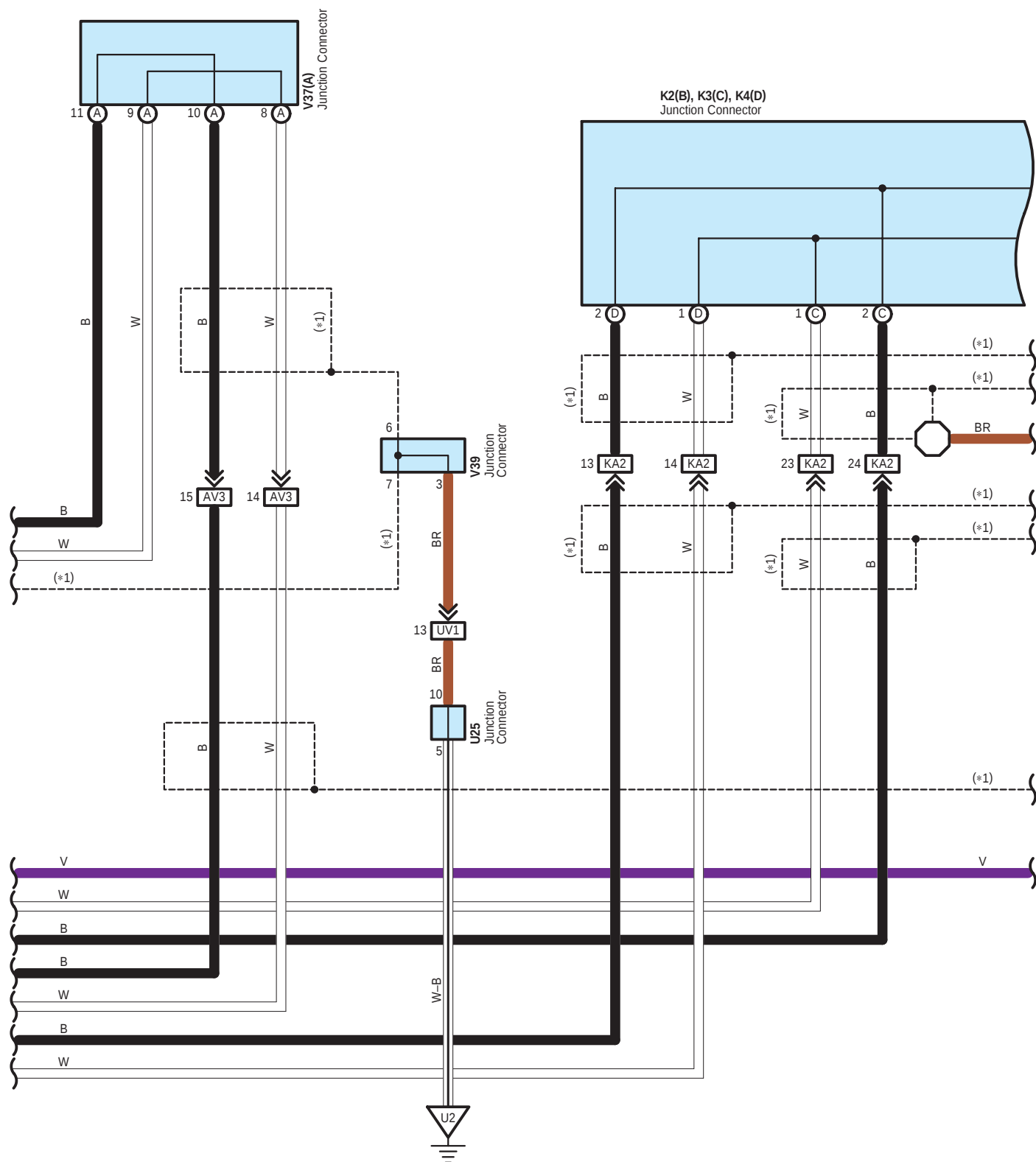




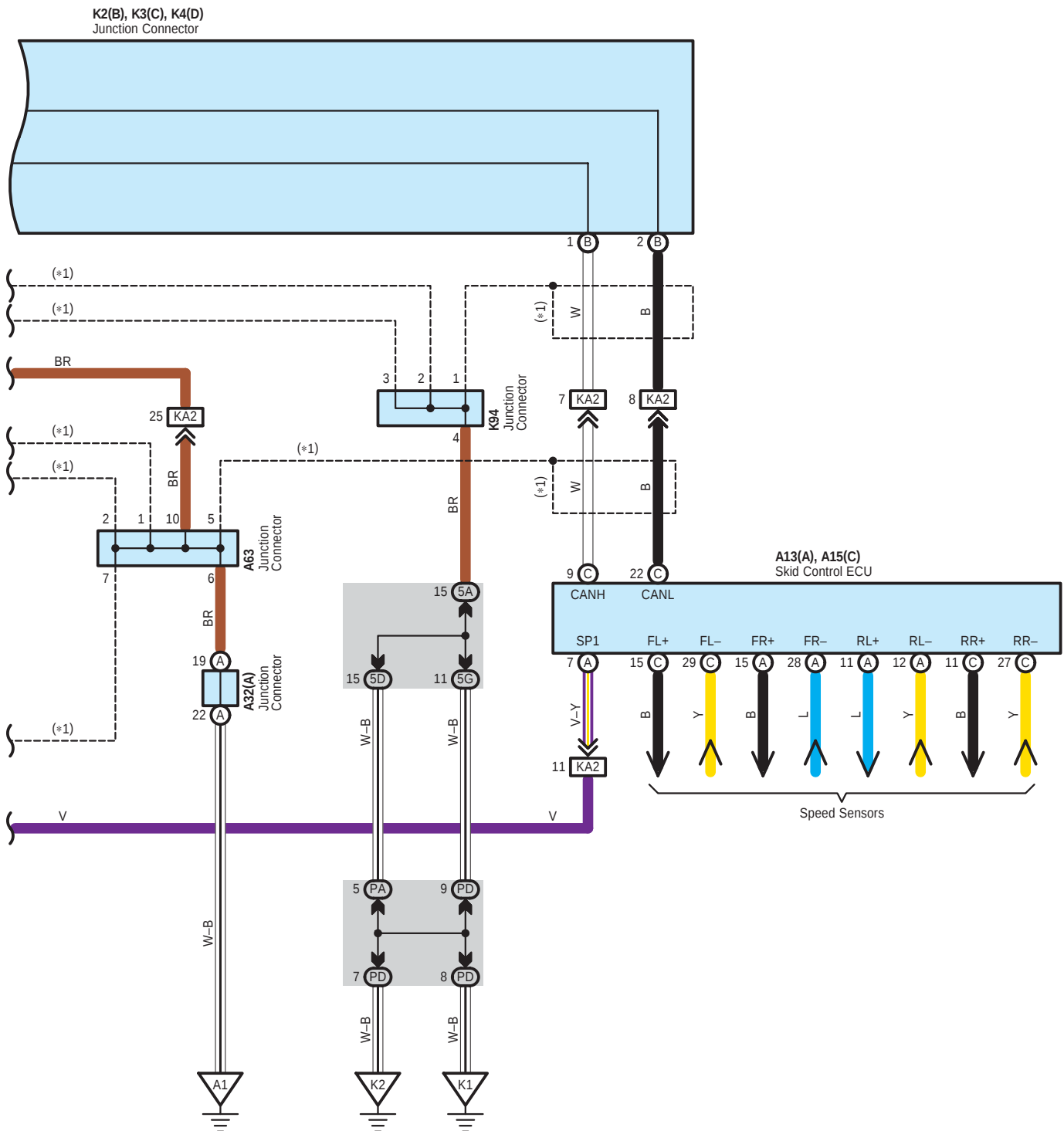
# Hybrid System and Shift Control System







\* 1 : Shielded



# Hybrid System and Shift Control System

## System Outline

The hybrid system is a power train to combine and use two different kinds of power sources such as gasoline engine and electric motor. The system uses optimum power source, either the gasoline engine or electric motor to fit the driving condition best and maximizes each one's strengths while compensating for each other's shortcomings. Thus, the driving performance with seamless response is attained and the fuel consumption and gas emission are reduced significantly at the same time.

## ○ : Parts Location

| Code |   | See Page | Code |   | See Page | Code |   | See Page |
|------|---|----------|------|---|----------|------|---|----------|
| A8   | A | 80       | E86  |   | 81       | N5   |   | 95       |
| A9   |   | 80       | E87  |   | 81       | N6   | F | 95       |
| A10  | A | 80       | E88  |   | 81       | N7   | I | 95       |
| A11  | B | 80       | E89  |   | 81       | N8   |   | 95       |
| A13  | A | 80       | K2   | B | 74, 85   | P1   | D | 95       |
| A15  | C | 80       | K3   | C | 74, 85   | P2   | G | 95       |
| A32  | A | 84       | K4   | D | 74, 85   | R1   | E | 95       |
| A33  | B | 84       | K12  |   | 85       | R2   | H | 95       |
| A34  |   | 84       | K16  |   | 85       | U25  |   | 90       |
| A37  |   | 84       | K31  |   | 85       | V26  | A | 91       |
| A49  |   | 80       | K36  |   | 85       | V27  | B | 91       |
| A50  |   | 80       | K44  |   | 86       | V37  | A | 91       |
| A53  | A | 80       | K45  |   | 86       | V39  |   | 91       |
| A54  | A | 80       | K52  |   | 86       | X4   |   | 92       |
| A55  |   | 80       | K66  |   | 86       | w1   | B | 83       |
| A60  | A | 80       | K83  | A | 78, 86   | w4   | K | 95       |
| A63  |   | 84       | K84  | B | 78, 86   | w5   | J | 95       |
| E9   |   | 81       | K87  | E | 78, 86   | w6   | B | 95       |
| E10  | B | 81       | K94  |   | 86       | w8   | B | 83       |
| E27  |   | 81       | K95  |   | 86       | w9   | C | 83       |
| E39  |   | 81       | K96  |   | 86       | z9   | B | 95       |
| E47  |   | 81       | N1   | A | 95       | z10  | C | 95       |
| E77  |   | 81       | N2   | A | 95       | z11  | D | 95       |
| E83  | B | 81       | N3   | F | 95       | z12  | E | 95       |
| E84  | B | 81       | N4   |   | 95       | z13  | C | 95       |

## ○ : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location)            |
|------|----------|------------------------------------------------|
| 1    | 24       | 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)                                       |
|------|----------|--------------------------------------------------------------------------------------------|
| 1P   | 27       | Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment left)                   |
| 1Q   | 27       | Floor No.4 Wire and Engine Room J/B No.1 (Engine Compartment left)                         |
| 1V   | 28       | Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment left)                   |
| 4A   | 70       | Instrument Panel Wire and Center J/B RH (Right Side of the Instrument Panel Reinforcement) |
| 4C   |          |                                                                                            |
| 4D   |          |                                                                                            |
| 4E   |          |                                                                                            |
| 4F   |          |                                                                                            |
| 4G   |          |                                                                                            |
| 4I   |          |                                                                                            |
| 4J   |          |                                                                                            |
| 4K   |          |                                                                                            |
| 4L   |          |                                                                                            |
| 5A   | 66       | Instrument Panel Wire and Center J/B LH (Right Side of the Instrument Panel Reinforcement) |
| 5D   |          |                                                                                            |
| 5E   |          |                                                                                            |
| 5G   |          |                                                                                            |
| 5L   |          |                                                                                            |
| DA   | 55       | Instrument Panel Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| DD   |          |                                                                                            |
| DK   | 56       | Engine Room Main Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| DL   |          |                                                                                            |
| PA   | 49       | Instrument Panel Wire and Cowl Side J/B LH (Lower Finish Panel)                            |
| PD   |          |                                                                                            |
| PJ   | 50       | Floor No.2 Wire and Cowl Side J/B LH (Lower Finish Panel)                                  |
| PL   | 50       | Engine Room Main Wire and Cowl Side J/B LH (Lower Finish Panel)                            |



**: Connector Joining Wire Harness and Wire Harness**

| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location)                     |
|------|----------|--------------------------------------------------------------------------------|
| AE1  | 96       | Engine Room Main Wire and Engine Wire (Inside of the ECU Box)                  |
| AV3  | 97       | Engine Room Main Wire and Floor No.2 Wire (Cowl Side Panel LH)                 |
| EA2  | 96       | Engine Wire and Engine Room Main Wire (Engine Compartment Right)               |
| EA3  |          |                                                                                |
| KA2  | 97       | Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)              |
| KA3  | 97       | Instrument Panel Wire and Engine Room Main Wire (Right Kick Panel)             |
| KU2  | 97       | Instrument Panel Wire and Floor No.1 Wire (Right Kick Panel)                   |
| KV1  | 97       | Instrument Panel Wire and Floor No.2 Wire (Left Kick Panel)                    |
| UV1  | 98       | Floor No.1 Wire and Floor No.2 Wire (Center of the Rear Floor Partition Panel) |
| VN1  | 100      | Floor No.2 Wire and Seat No.1 Wire (Near the Hybrid Vehicle Battery)           |
| VX1  | 98       | Floor No.2 Wire and Luggage Room Wire (Quarter Wheel House Inner Panel LH)     |

## Hybrid System and Shift Control System

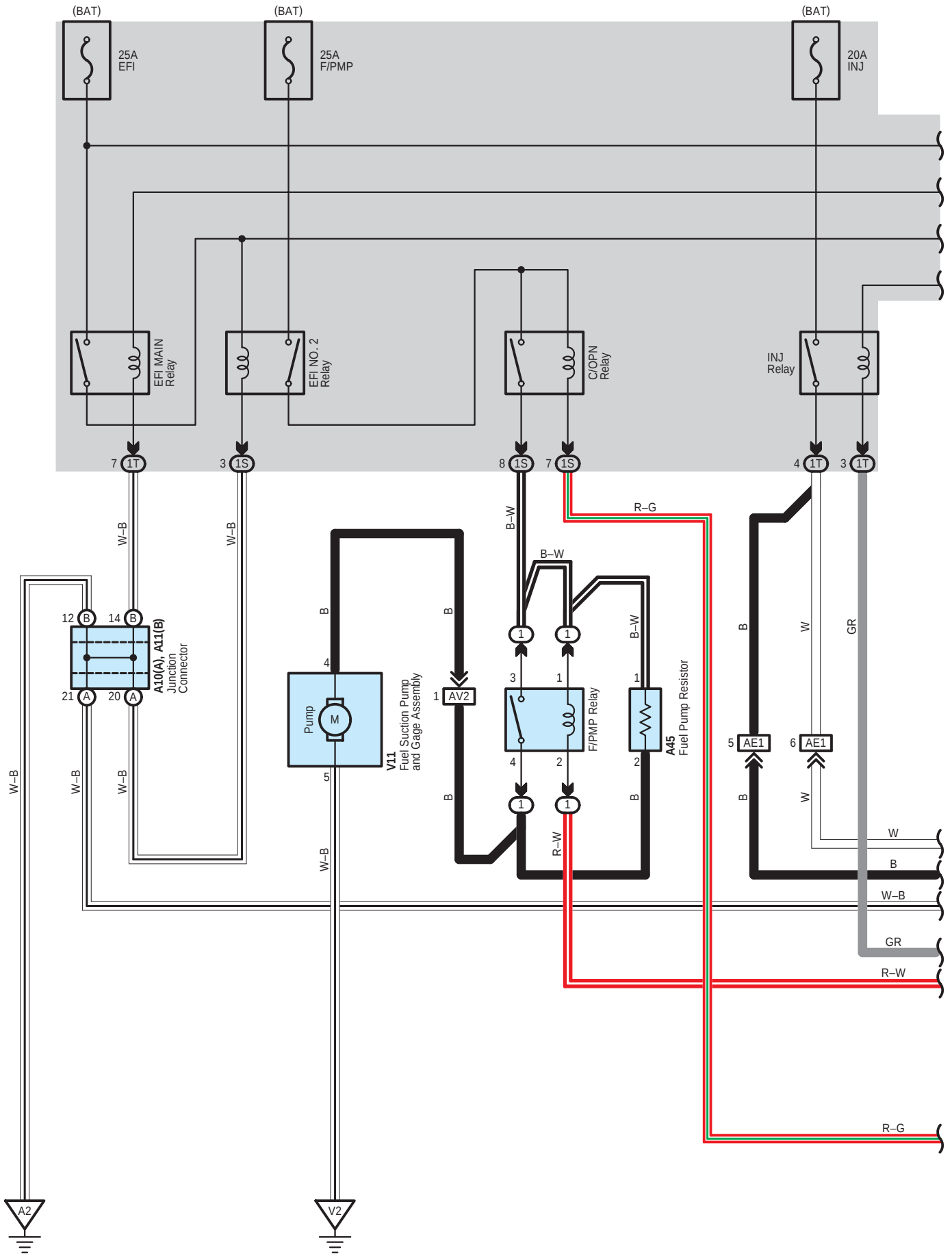
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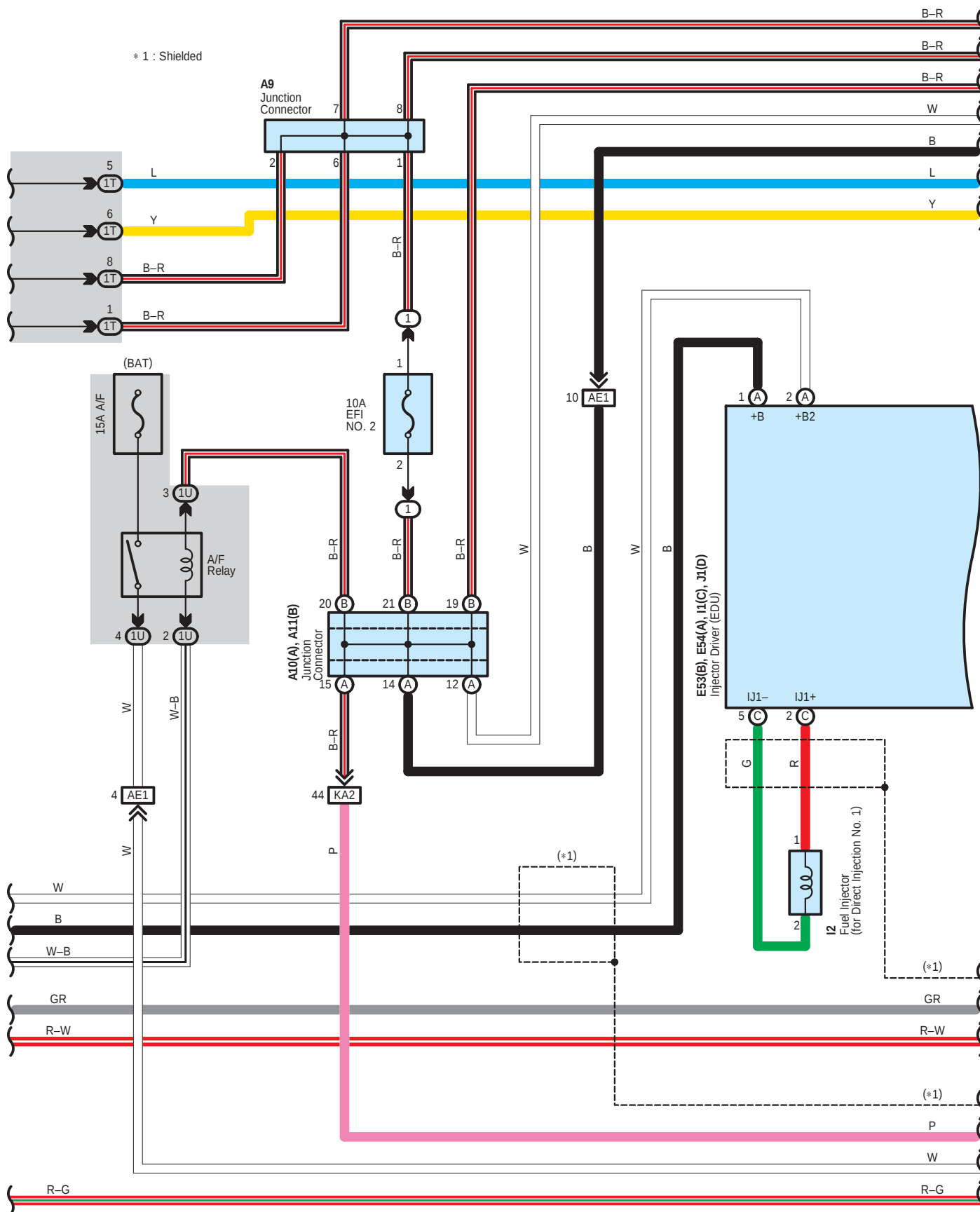


: Ground Points

| Code | See Page | Ground Points Location                       |
|------|----------|----------------------------------------------|
| A1   | 96       | Left Side of the Dash Panel                  |
| A2   | 96       | Front Left Fender Apron                      |
| A4   | 96       | Front Right Fender Apron                     |
| E1   | 96       | Rear Side of the Left Cylinder Head          |
| K1   | 97       | Left Kick Panel                              |
| K2   | 97       | Left Side of the Shift Lever                 |
| K4   | 97       | Right Kick Panel                             |
| U2   | 98       | Right Side of the Rear Floor Partition Panel |
| V2   | 98       | Roof Side Inner Panel LH                     |



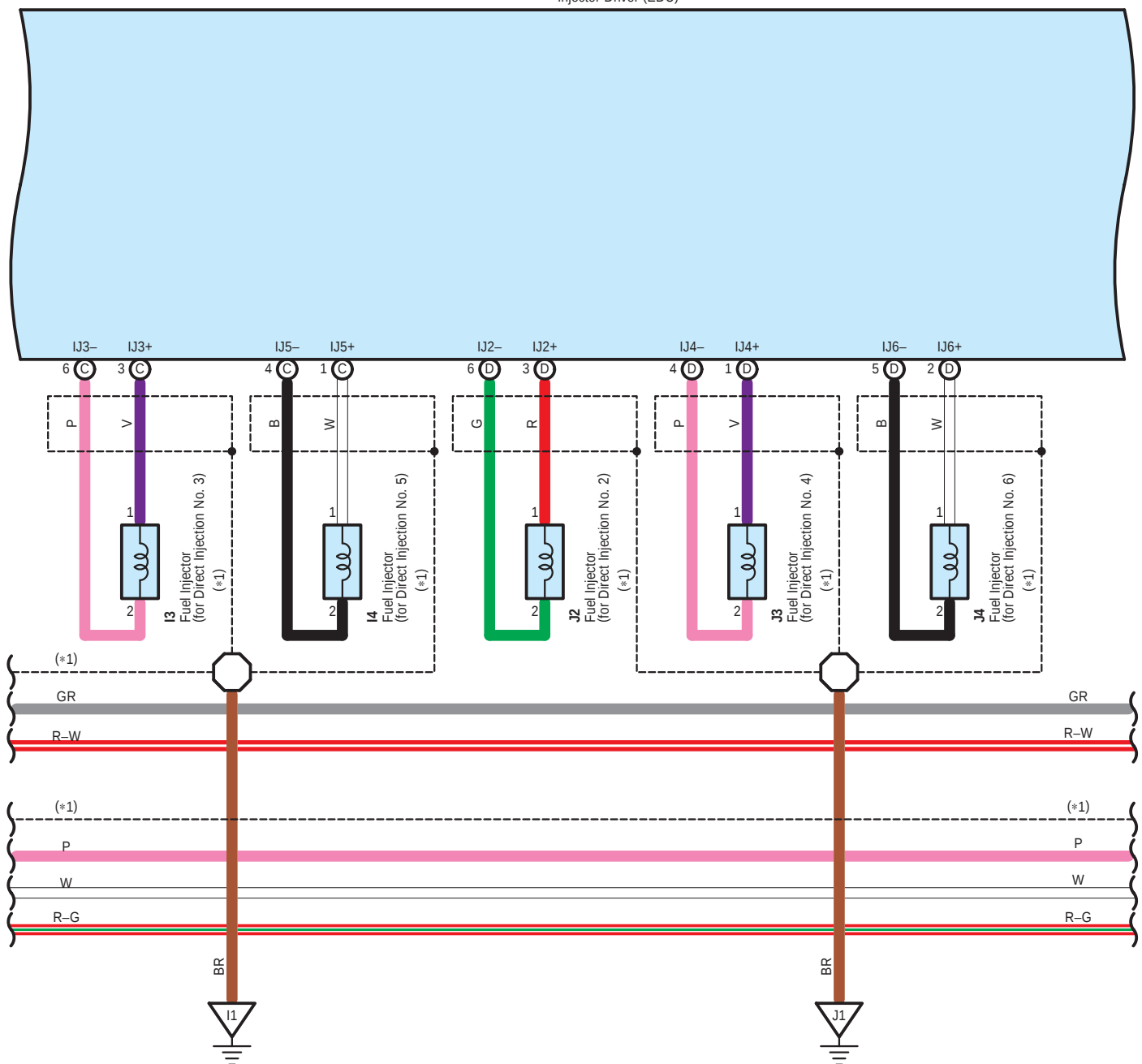


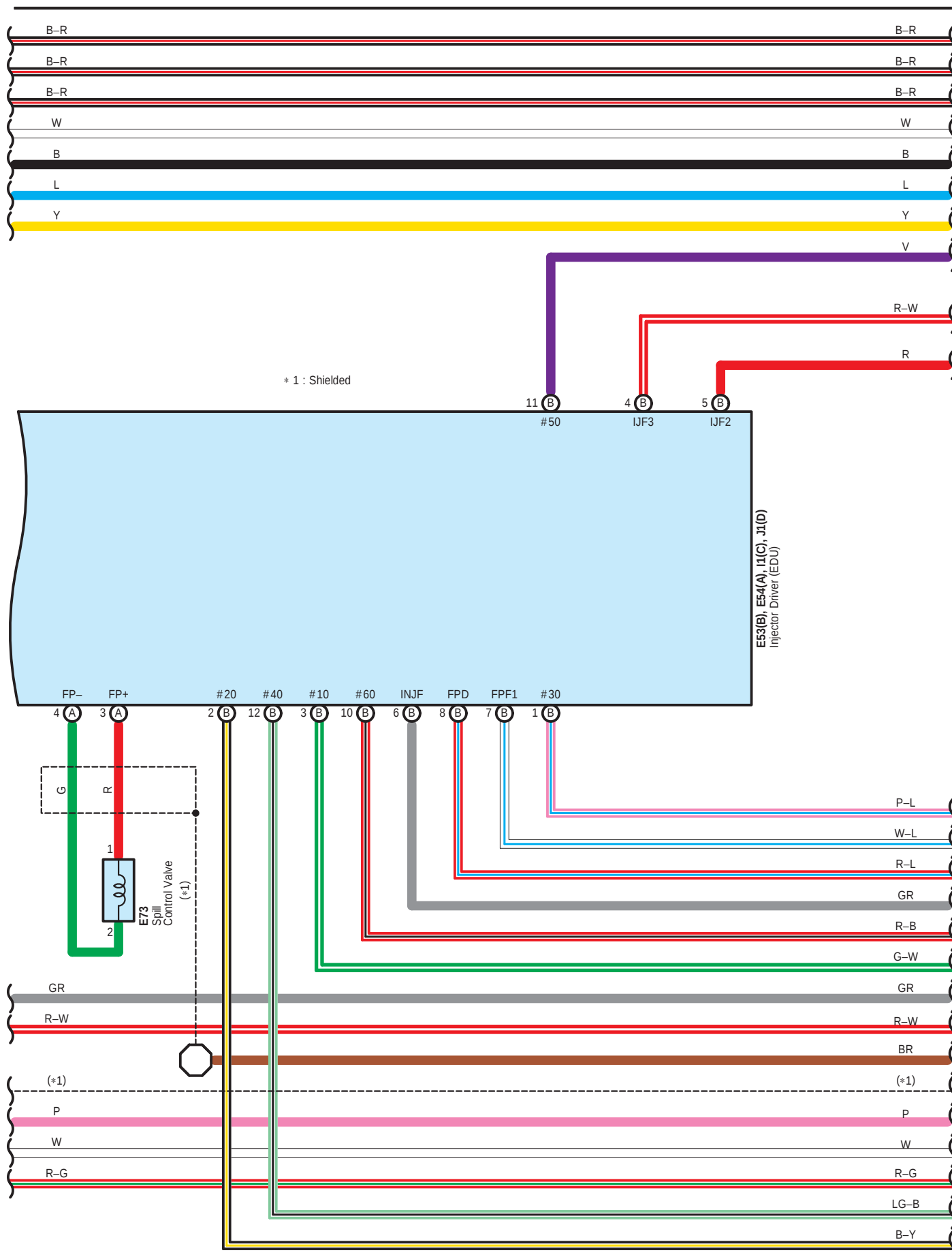


# Engine Control

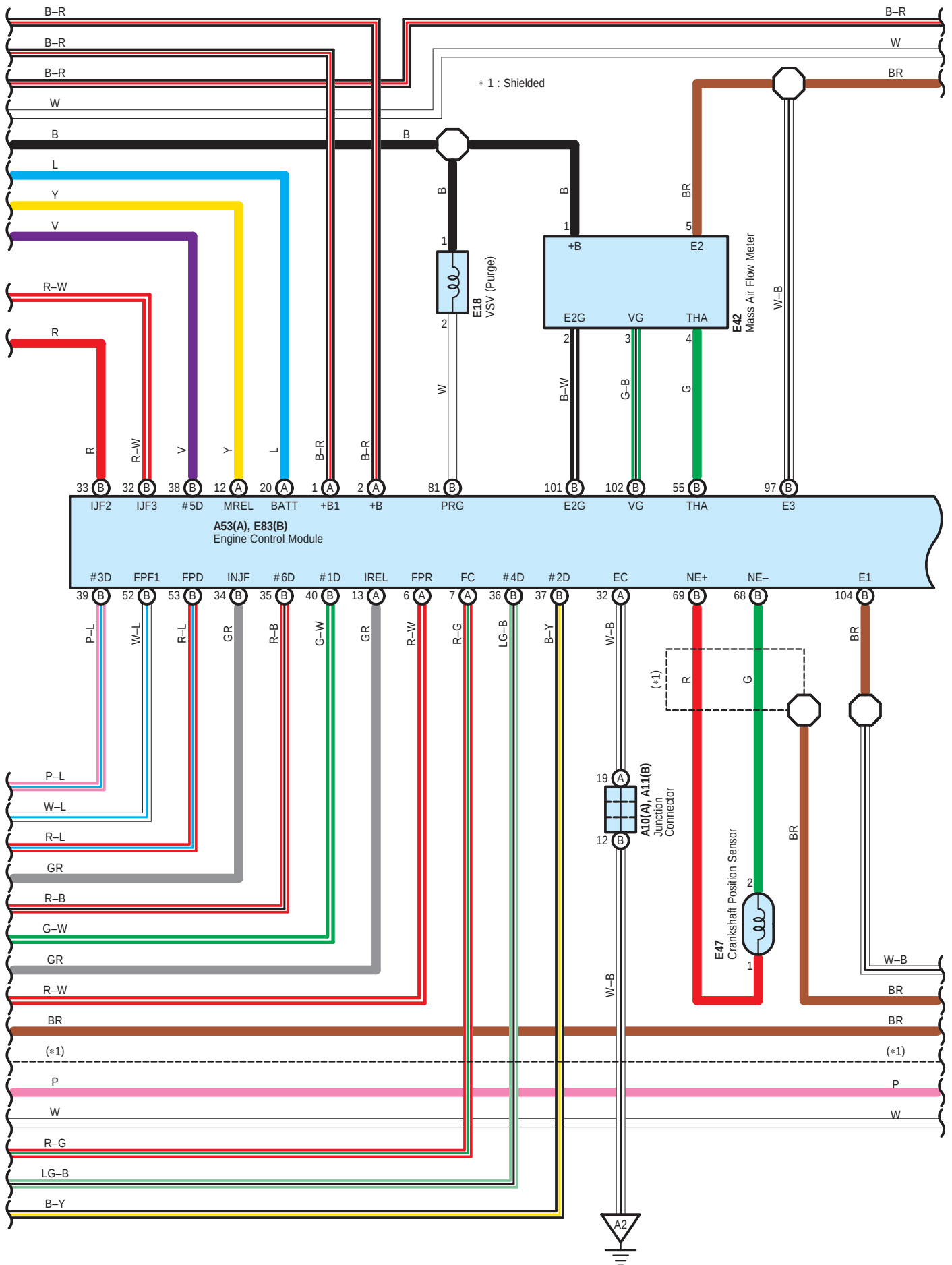


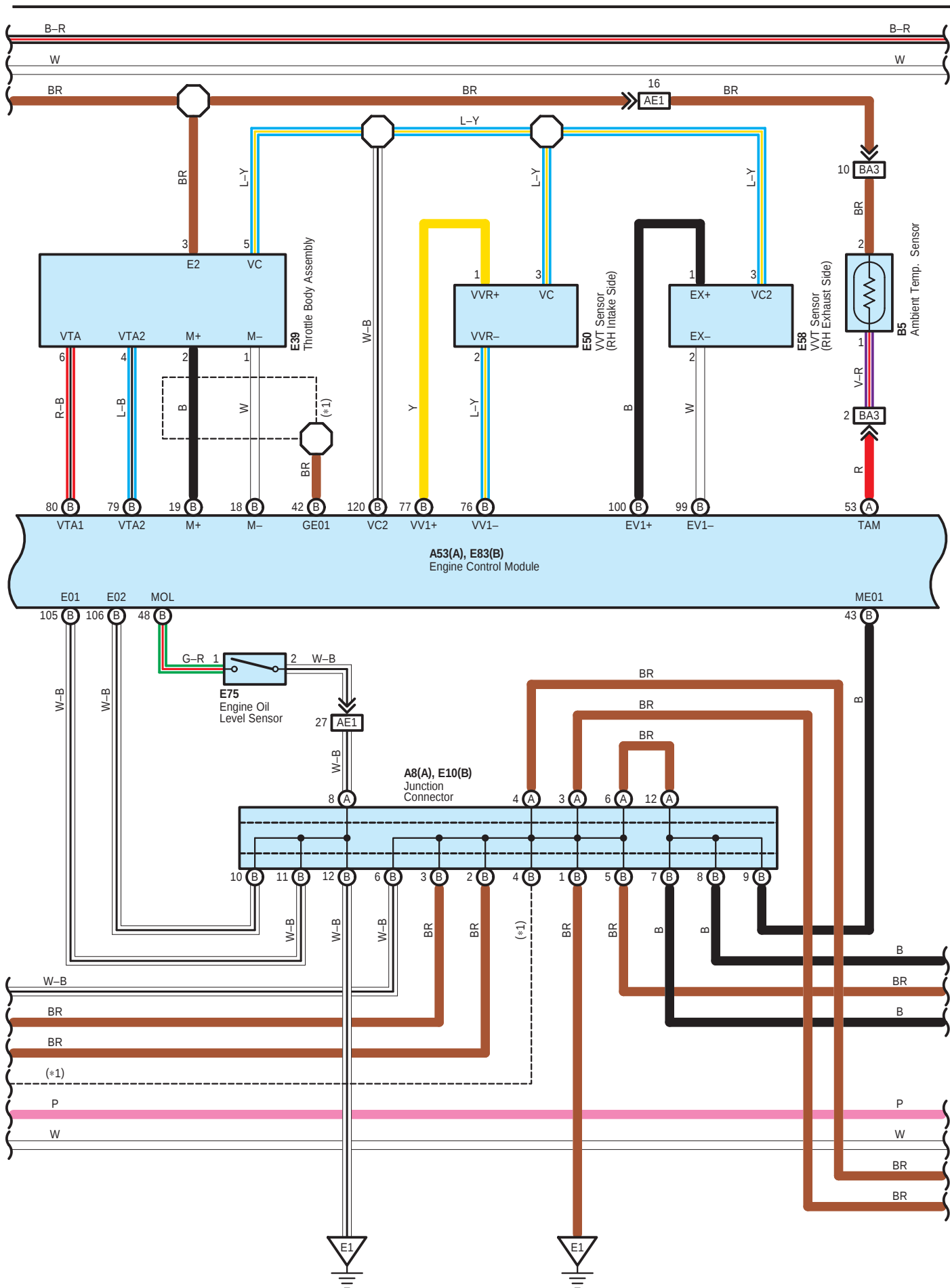
E53(B), E54(A), I1(C), J1(D)  
Injector Driver (EDU)



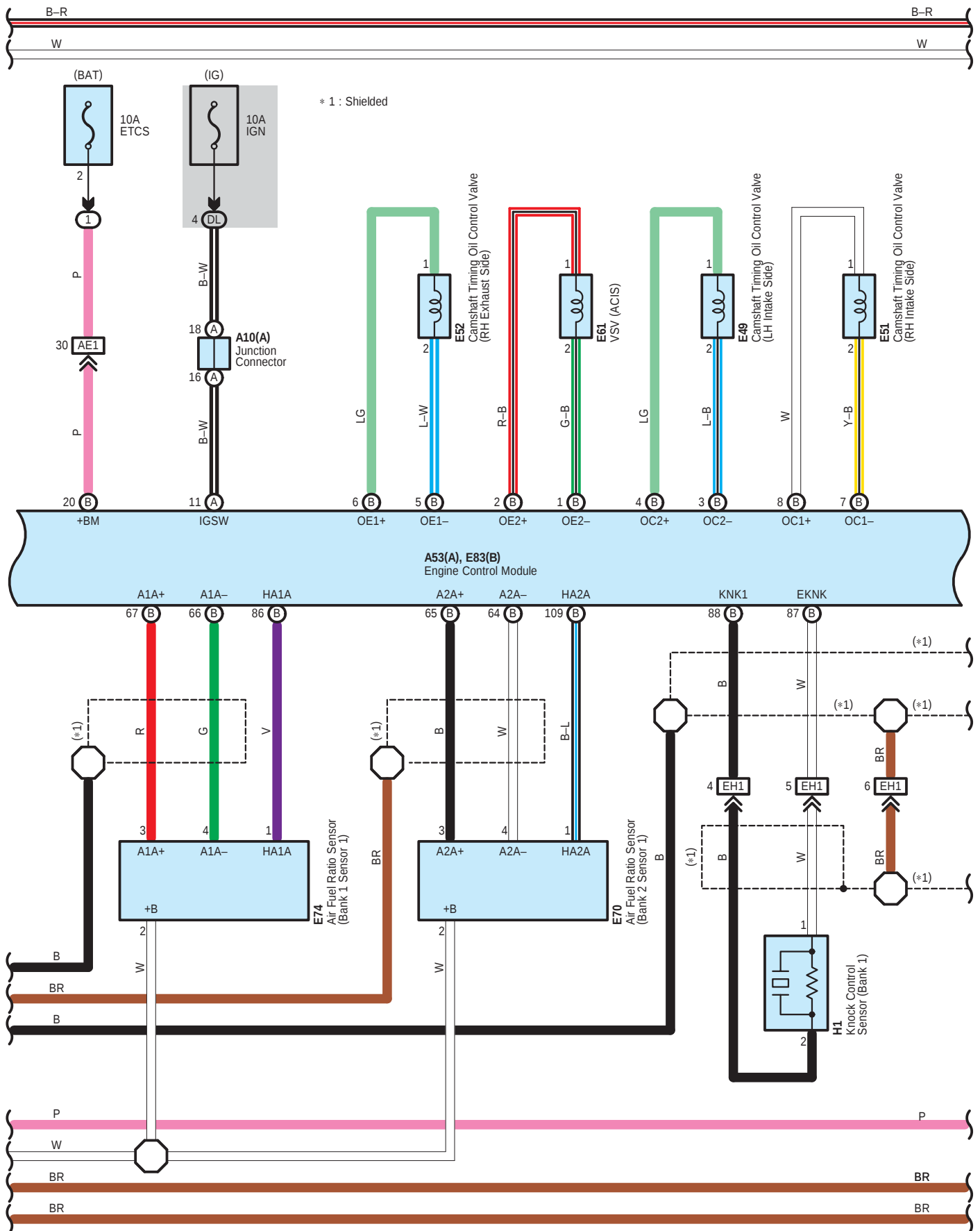


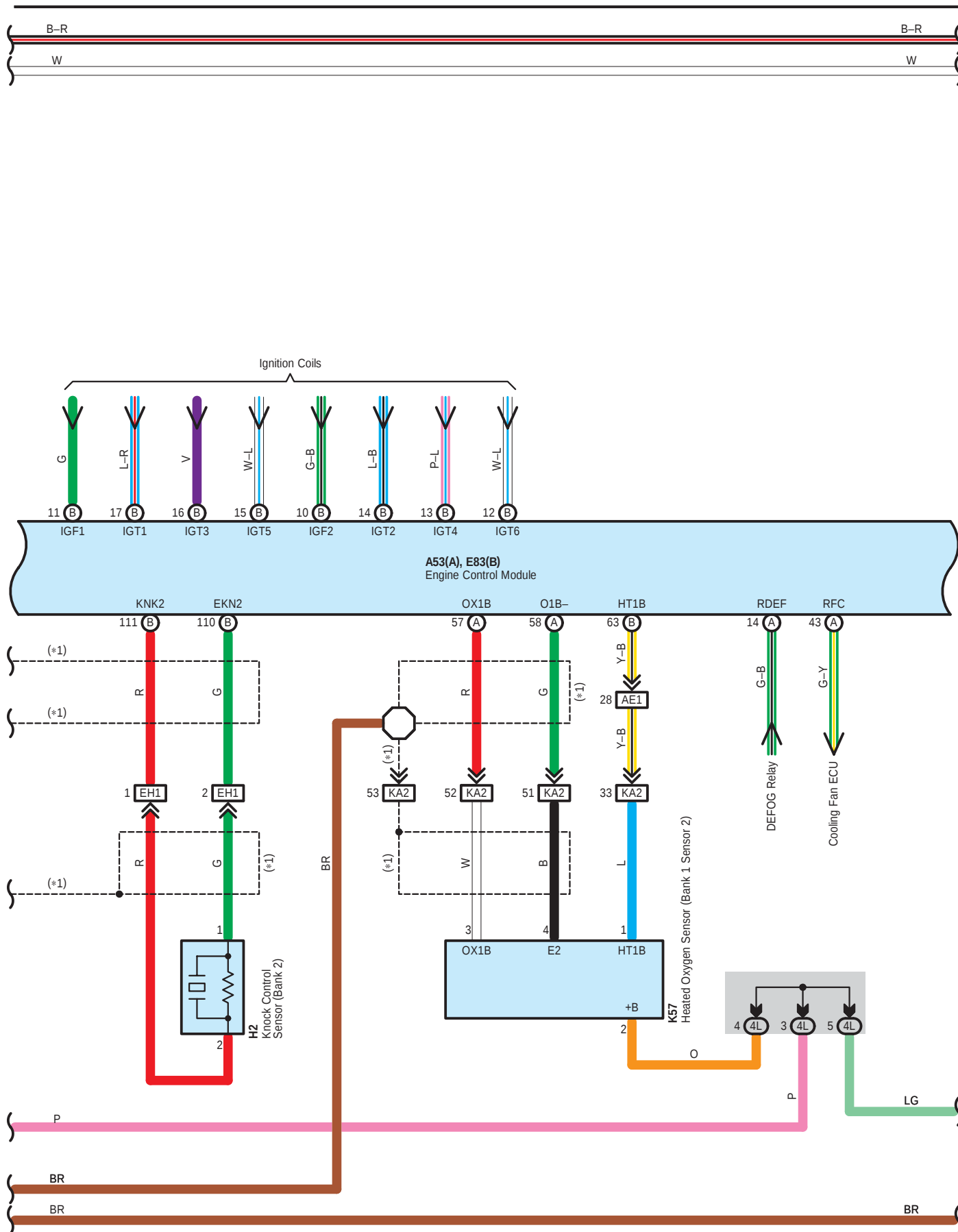
# Engine Control



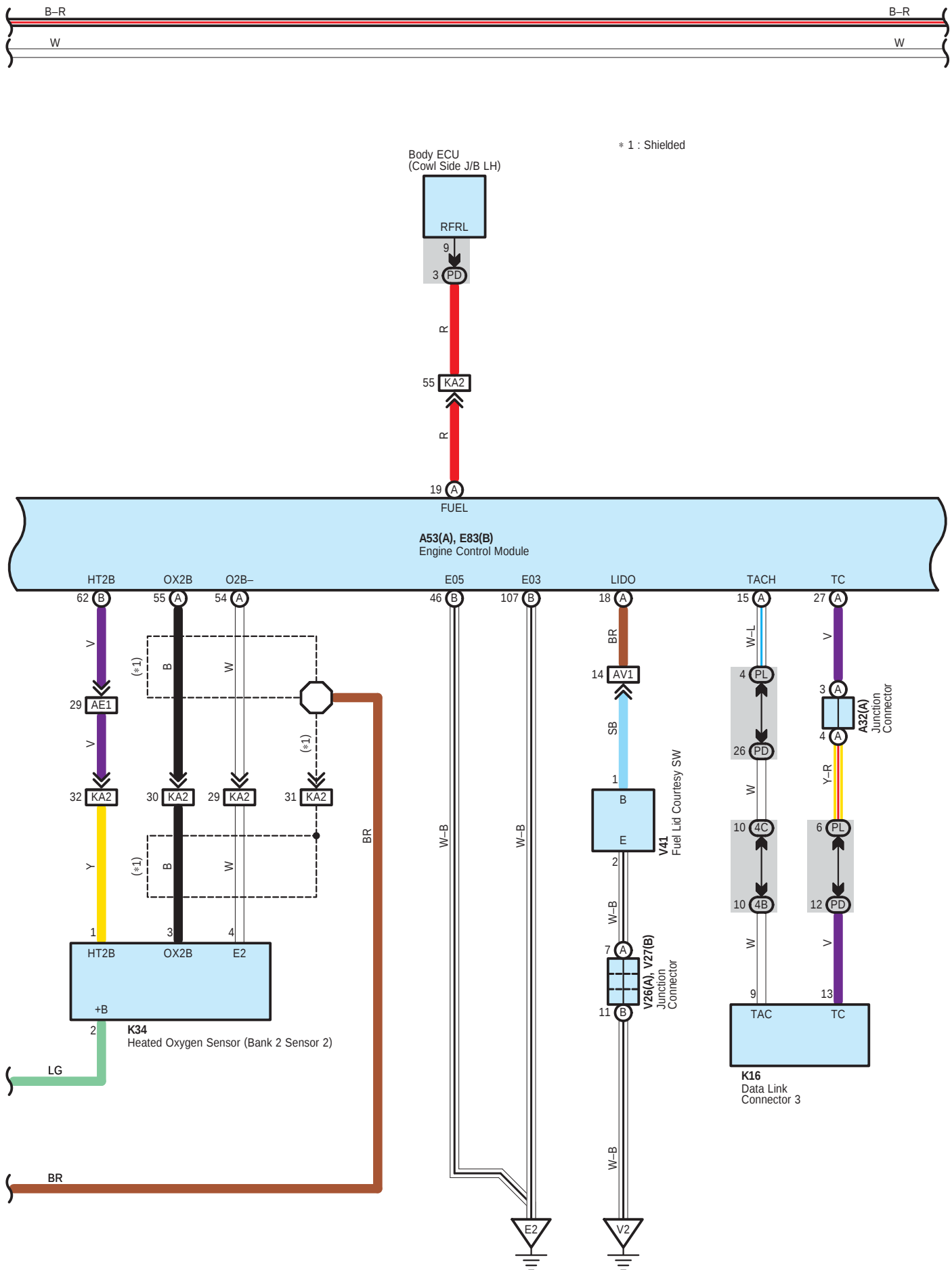


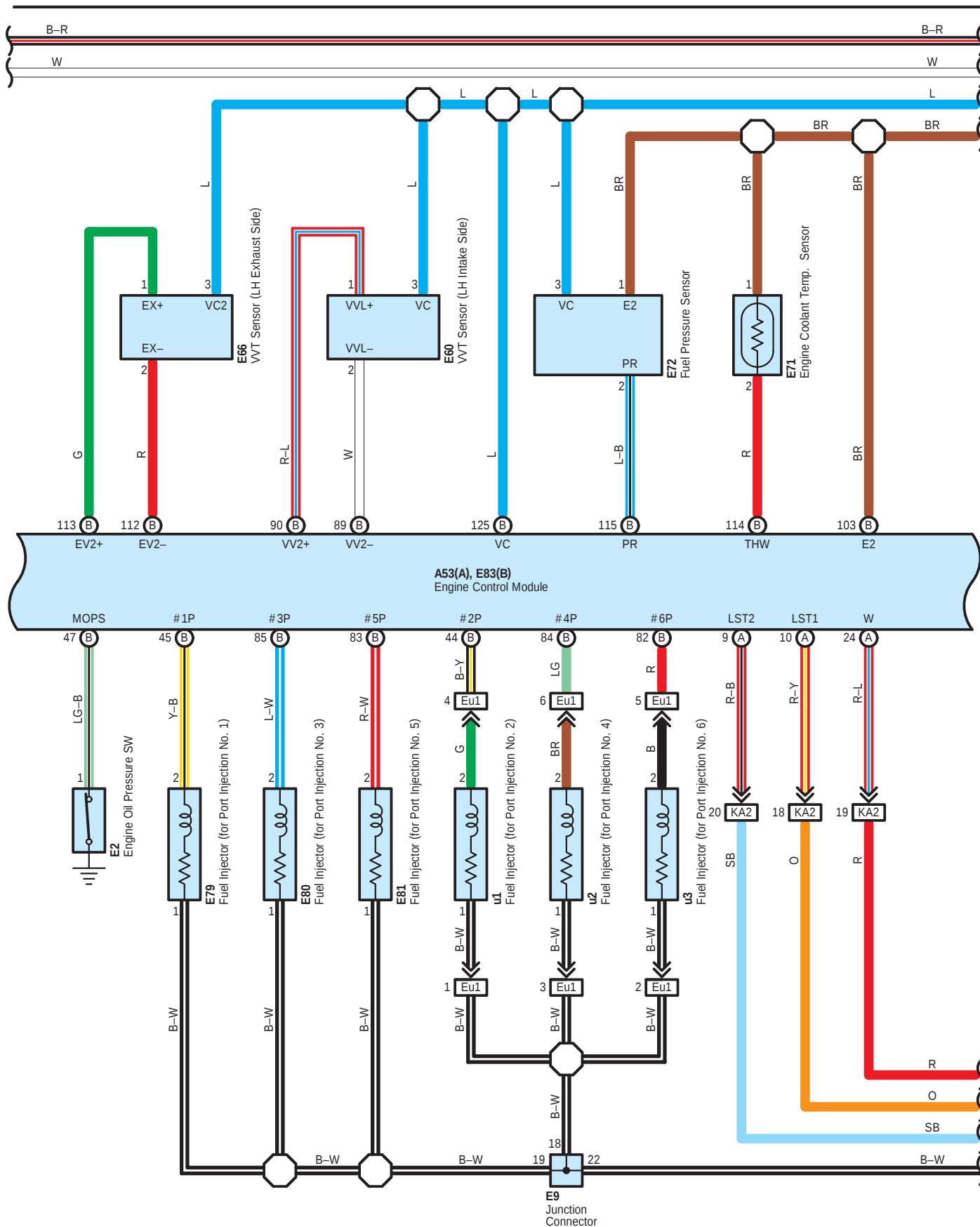
# Engine Control



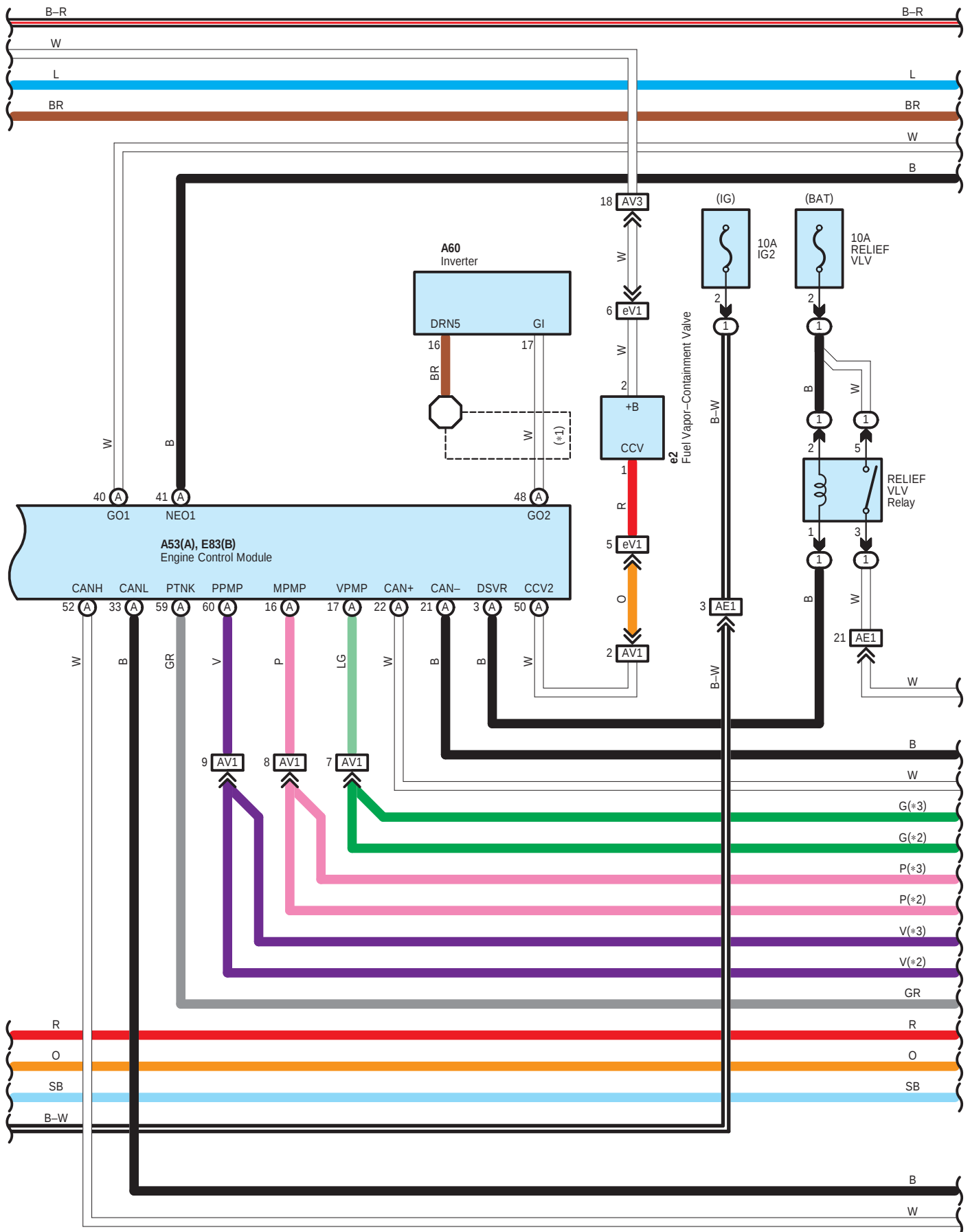


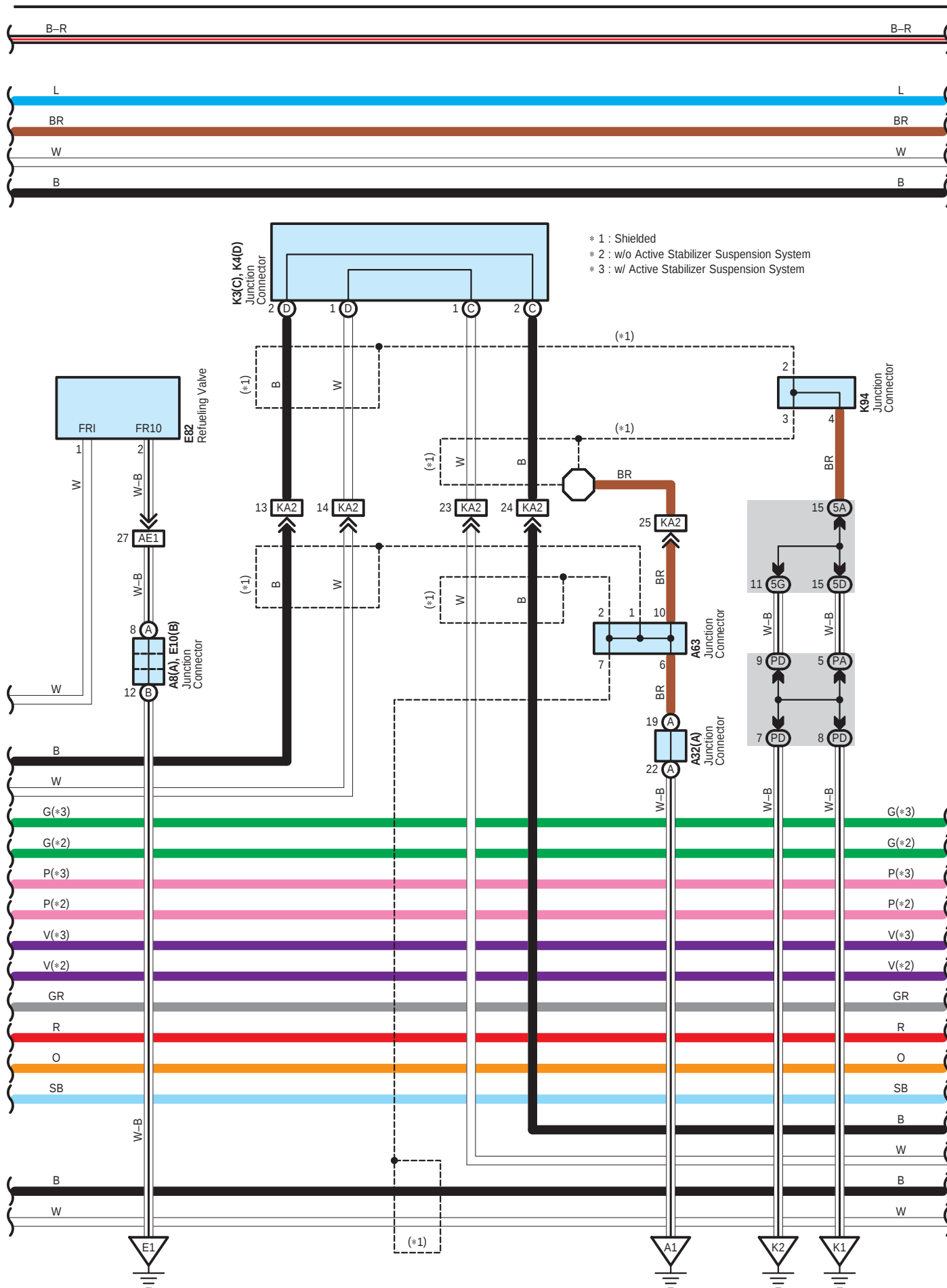
# Engine Control



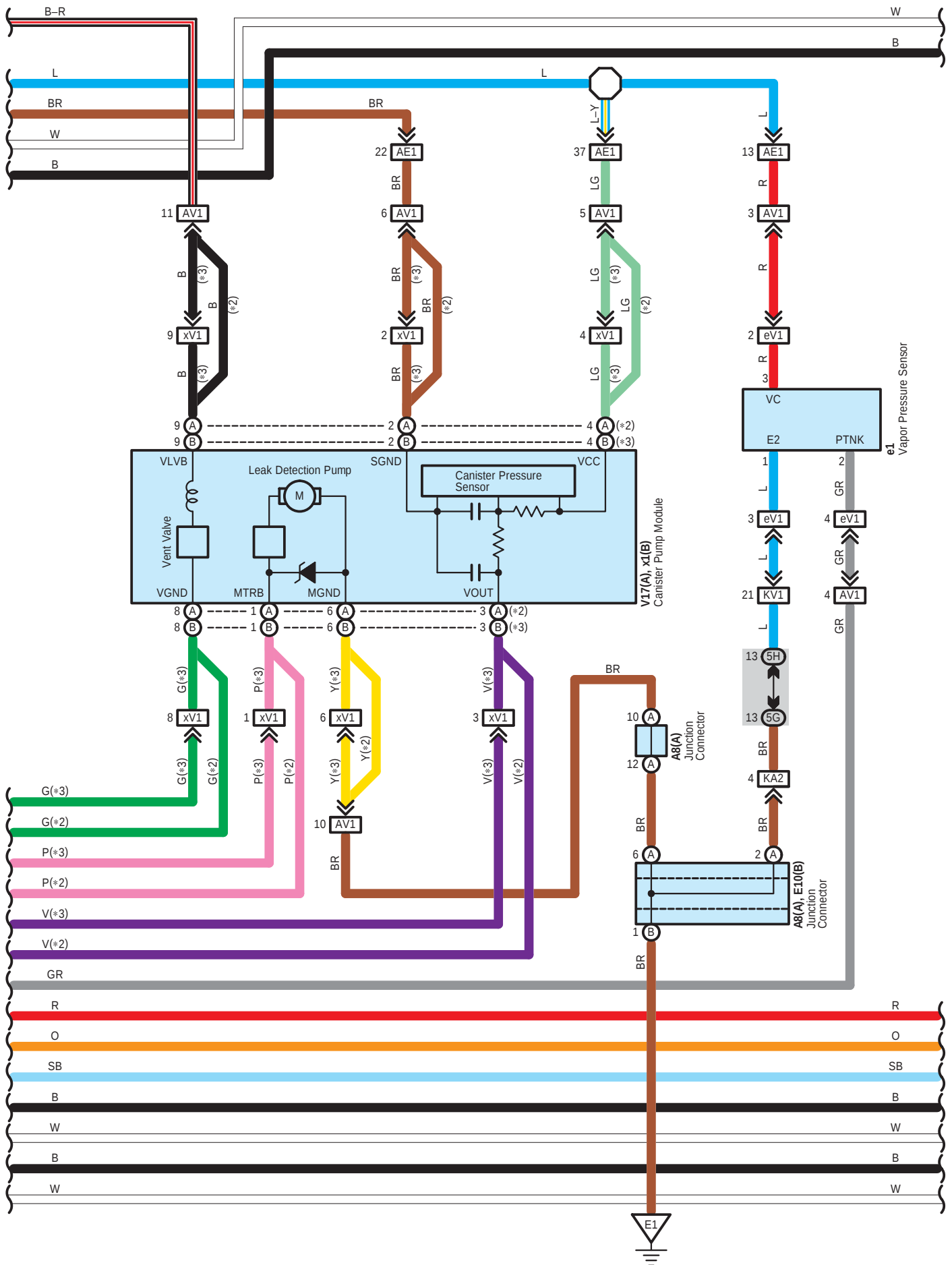


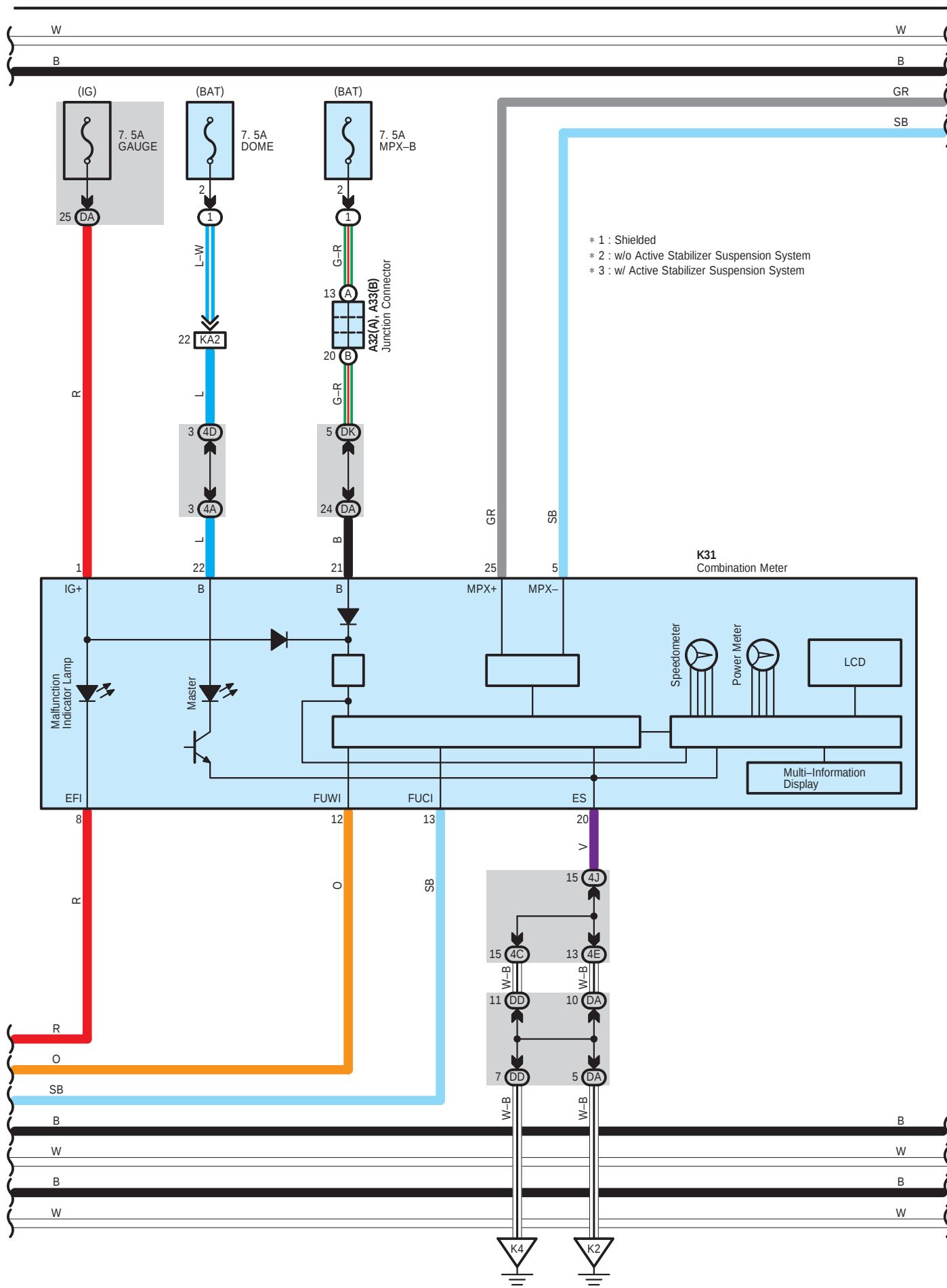
# Engine Control



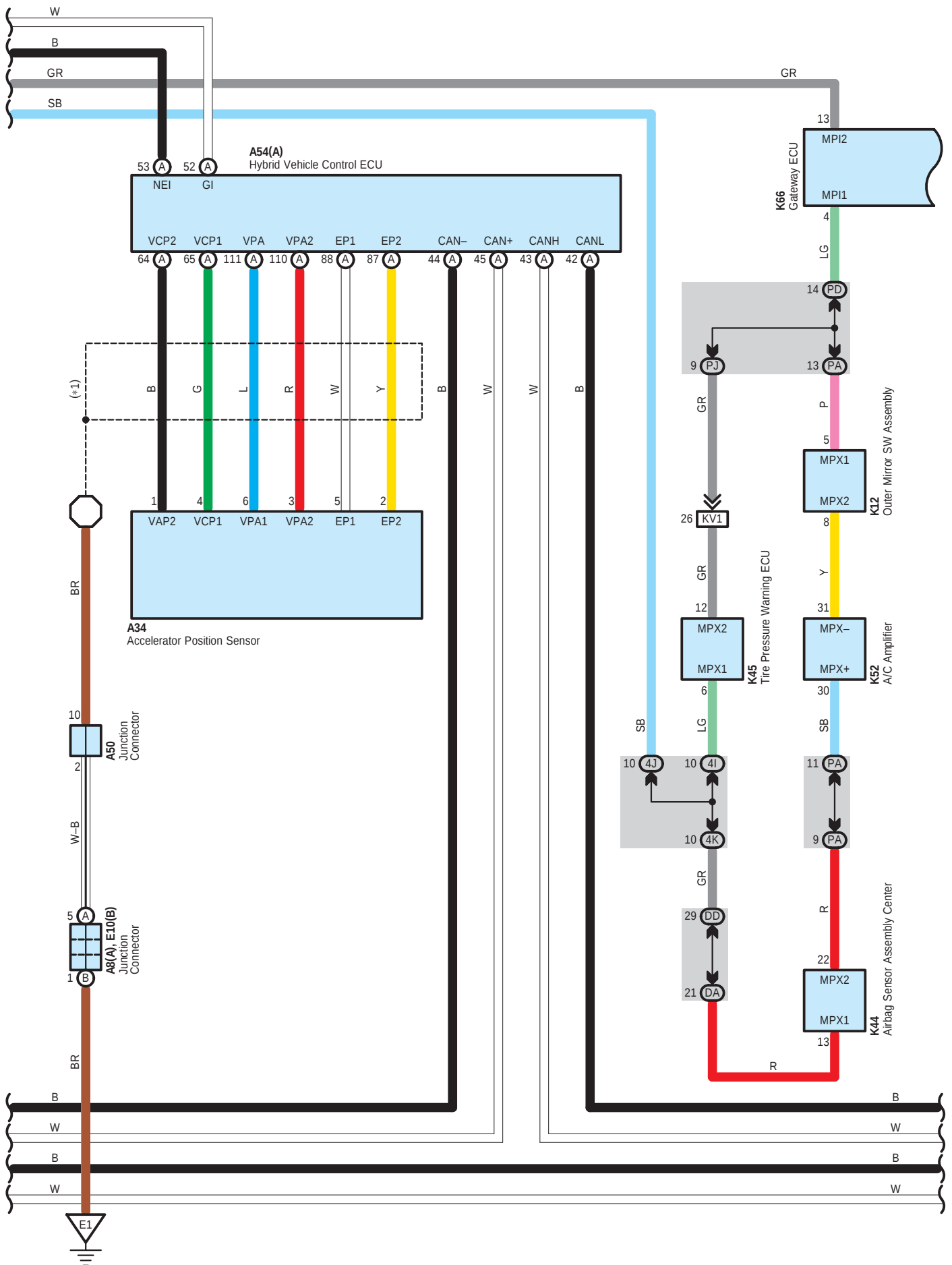


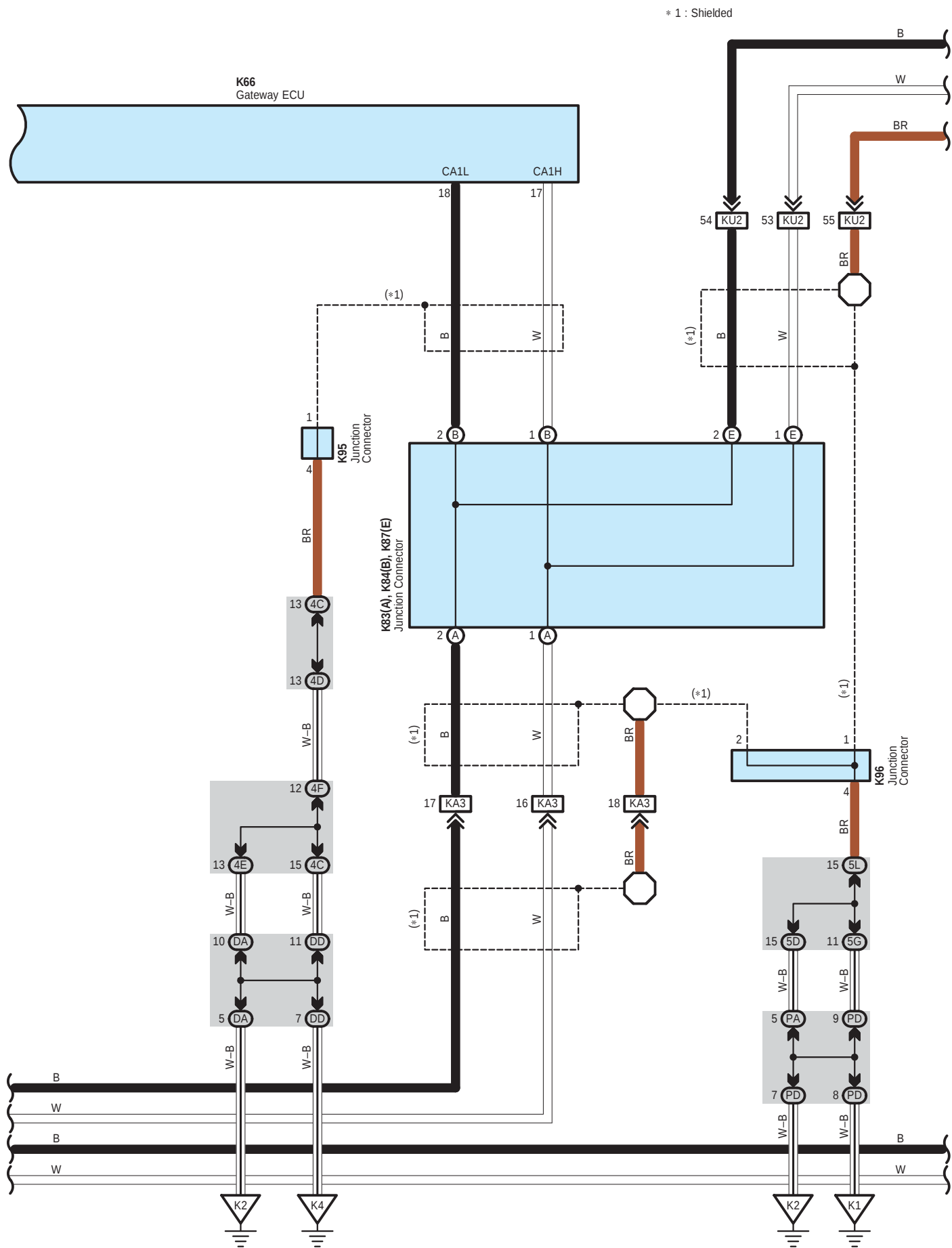
# Engine Control



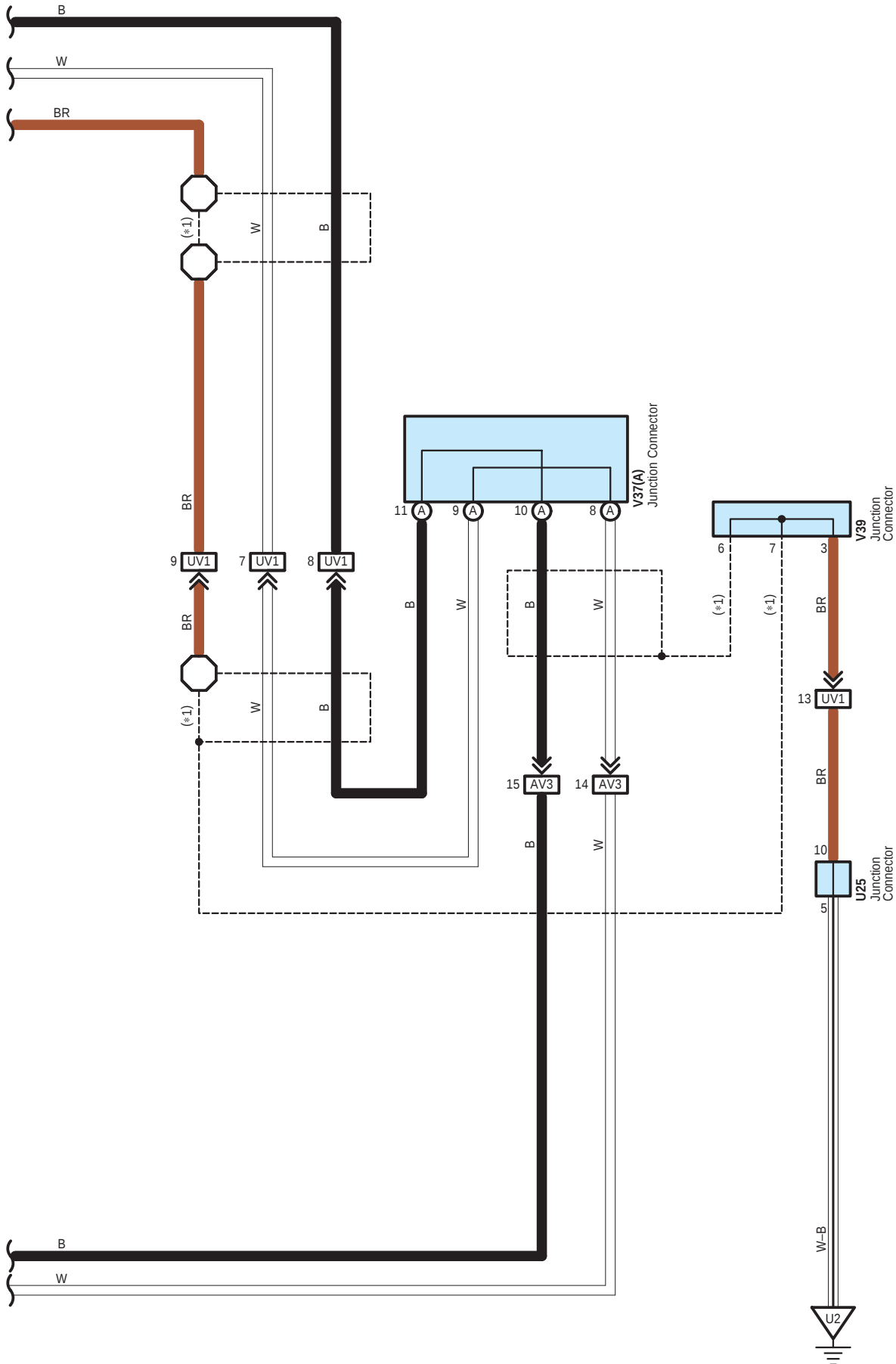


# Engine Control





\* 1 : Shielded



## System Outline

### 1. Fuel Injection Control (Independent Injection Type)

Engine control module outputs the injection signal to the injector after the basic injection time is calculated based on the engine condition and is corrected according to the engine coolant temperature sensor signal.

### 2. Ignition Control

Engine control module outputs the ignition signal to the igniter after the basic ignition time is calculated based on the engine condition and is corrected according to the engine coolant temperature sensor signal.

### 3. Engine Speed Control

The electronic throttle control system is adopted, which conducts first idle speed control according to the engine coolant temperature and idle speed control after warm-up.

### 4. Diagnosis Control

Malfunction of sensors and actuators is diagnosed, and fail-safe function is conducted, based on input and output signals of ECU.

## ○ : Parts Location

| Code | See Page | Code | See Page | Code | See Page |
|------|----------|------|----------|------|----------|
| A8   | A 80     | E60  | 81       | K31  | 85       |
| A9   | 80       | E61  | 81       | K34  | 85       |
| A10  | A 80     | E66  | 81       | K44  | 86       |
| A11  | B 80     | E70  | 81       | K45  | 86       |
| A32  | A 84     | E71  | 81       | K52  | 86       |
| A33  | B 84     | E72  | 81       | K57  | 86       |
| A34  | 84       | E73  | 81       | K66  | 86       |
| A45  | 80       | E74  | 81       | K83  | A 78, 86 |
| A50  | 80       | E75  | 81       | K84  | B 78, 86 |
| A53  | A 80     | E79  | 81       | K87  | E 78, 86 |
| A54  | A 80     | E80  | 81       | K94  | 86       |
| A60  | 80       | E81  | 81       | K95  | 86       |
| A63  | 84       | E82  | 81       | K96  | 86       |
| B5   | 82       | E83  | B 81     | U25  | 90       |
| E2   | 81       | H1   | 83       | V11  | 91       |
| E9   | 81       | H2   | 83       | V17  | A 91     |
| E10  | B 81     | I1   | C 83     | V26  | A 91     |
| E18  | 81       | I2   | 83       | V27  | B 91     |
| E39  | 81       | I3   | 83       | V37  | A 91     |
| E42  | 81       | I4   | 83       | V39  | 91       |
| E47  | 81       | J1   | D 83     | V41  | 91       |
| E49  | 81       | J2   | 83       | e1   | 93       |
| E50  | 81       | J3   | 83       | e2   | 93       |
| E51  | 81       | J4   | 83       | u1   | 83       |
| E52  | 81       | K3   | C 74, 85 | u2   | 83       |
| E53  | B 81     | K4   | D 74, 85 | u3   | 83       |
| E54  | A 81     | K12  | 85       | x1   | B 93     |
| E58  | 81       | K16  | 85       |      |          |

## ○ : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location)            |
|------|----------|------------------------------------------------|
| 1    | 24       | Engine Room R/B No.1 (Engine Compartment Left) |

# Engine Control



## : Junction Block and Wire Harness Connector

| Code | See Page | Junction Block and Wire Harness (Connector Location)                                       |
|------|----------|--------------------------------------------------------------------------------------------|
| 1S   | 25       | Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment left)                   |
| 1T   |          |                                                                                            |
| 1U   | 28       |                                                                                            |
| 4A   | 70       | Instrument Panel Wire and Center J/B RH (Right Side of the Instrument Panel Reinforcement) |
| 4B   |          |                                                                                            |
| 4C   |          |                                                                                            |
| 4D   |          |                                                                                            |
| 4E   |          |                                                                                            |
| 4F   |          |                                                                                            |
| 4I   |          |                                                                                            |
| 4J   |          |                                                                                            |
| 4K   |          |                                                                                            |
| 4L   |          |                                                                                            |
| 5A   | 66       | Instrument Panel Wire and Center J/B LH (Right Side of the Instrument Panel Reinforcement) |
| 5D   |          |                                                                                            |
| 5G   |          |                                                                                            |
| 5H   |          |                                                                                            |
| 5L   |          |                                                                                            |
| DA   | 55       | Instrument Panel Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| DD   |          |                                                                                            |
| DK   | 56       | Engine Room Main Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| DL   |          |                                                                                            |
| PA   | 49       | Instrument Panel Wire and Cowl Side J/B LH (Lower Finish Panel)                            |
| PD   |          |                                                                                            |
| PJ   | 50       | Floor No.2 Wire and Cowl Side J/B LH (Lower Finish Panel)                                  |
| PL   | 50       | Engine Room Main Wire and Cowl Side J/B LH (Lower Finish Panel)                            |



## : Connector Joining Wire Harness and Wire Harness

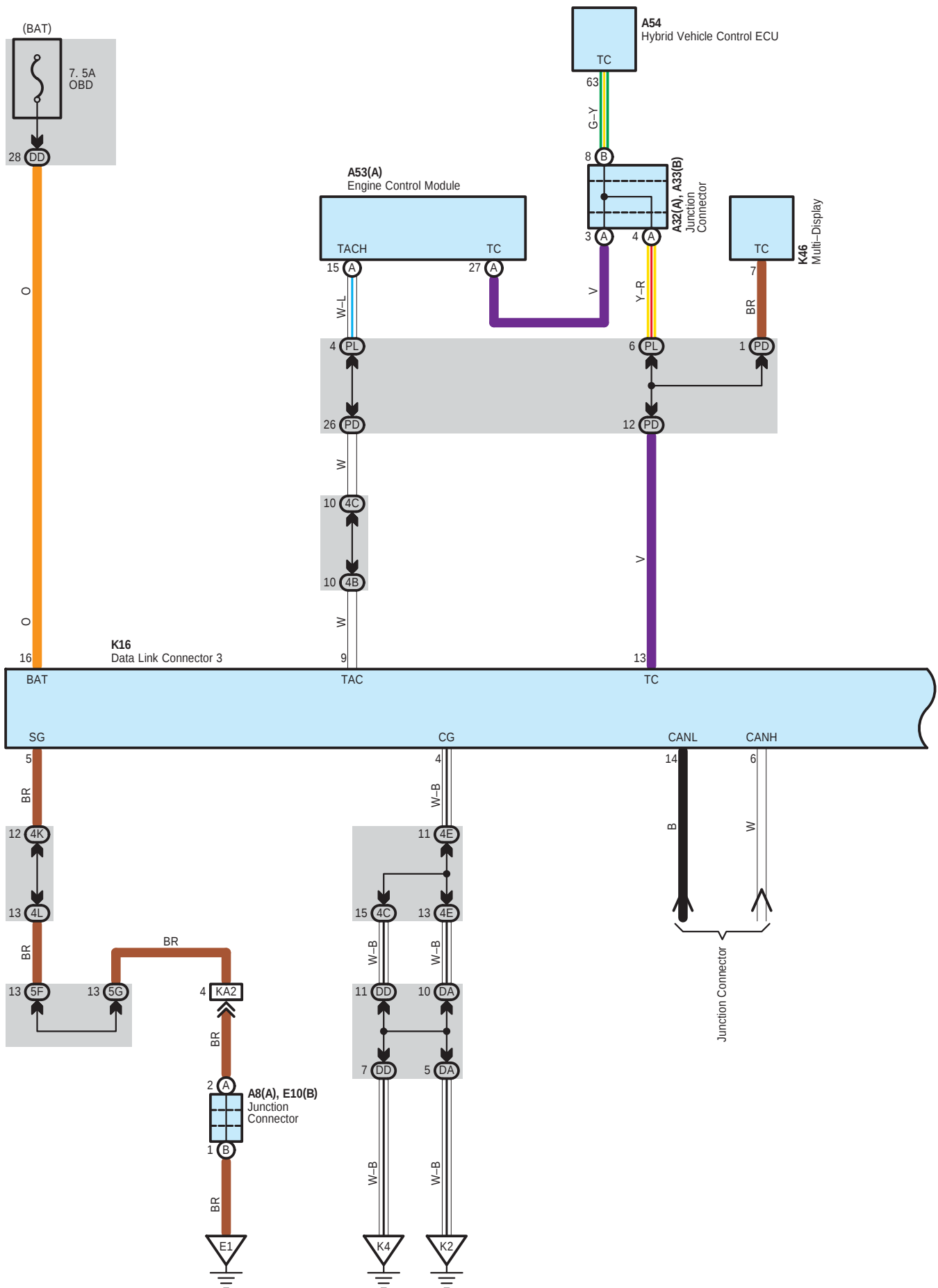
| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location)                            |
|------|----------|---------------------------------------------------------------------------------------|
| AE1  | 96       | Engine Room Main Wire and Engine Wire (Inside of the ECU Box)                         |
| AV1  | 97       | Engine Room Main Wire and Floor No.2 Wire (Cowl Side Panel LH)                        |
| AV2  |          |                                                                                       |
| AV3  |          |                                                                                       |
| BA3  | 96       | Engine Room No.2 Wire and Engine Room Main Wire (Inside of the Engine Room R/B No.2 ) |
| EH1  | 96       | Engine Wire and Engine No.5 Wire (Rear Side of the Left Cylinder Head)                |
| Eu1  | 96       | Engine Wire and Engine No.8 Wire (Front Side of the Surge Tank)                       |
| KA2  | 97       | Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)                     |
| KA3  | 97       | Instrument Panel Wire and Engine Room Main Wire (Right Kick Panel)                    |
| KU2  | 97       | Instrument Panel Wire and Floor No.1 Wire (Right Kick Panel)                          |
| KV1  | 97       | Instrument Panel Wire and Floor No.2 Wire (Left Kick Panel)                           |
| UV1  | 98       | Floor No.1 Wire and Floor No.2 Wire (Center of the Rear Floor Partition Panel)        |
| eV1  | 98       | Fuel Tank Wire and Floor No.2 Wire (Luggage Room Left)                                |
| xV1  | 98       | Floor No.5 Wire and Floor No.2 Wire (Luggage Room Left)                               |

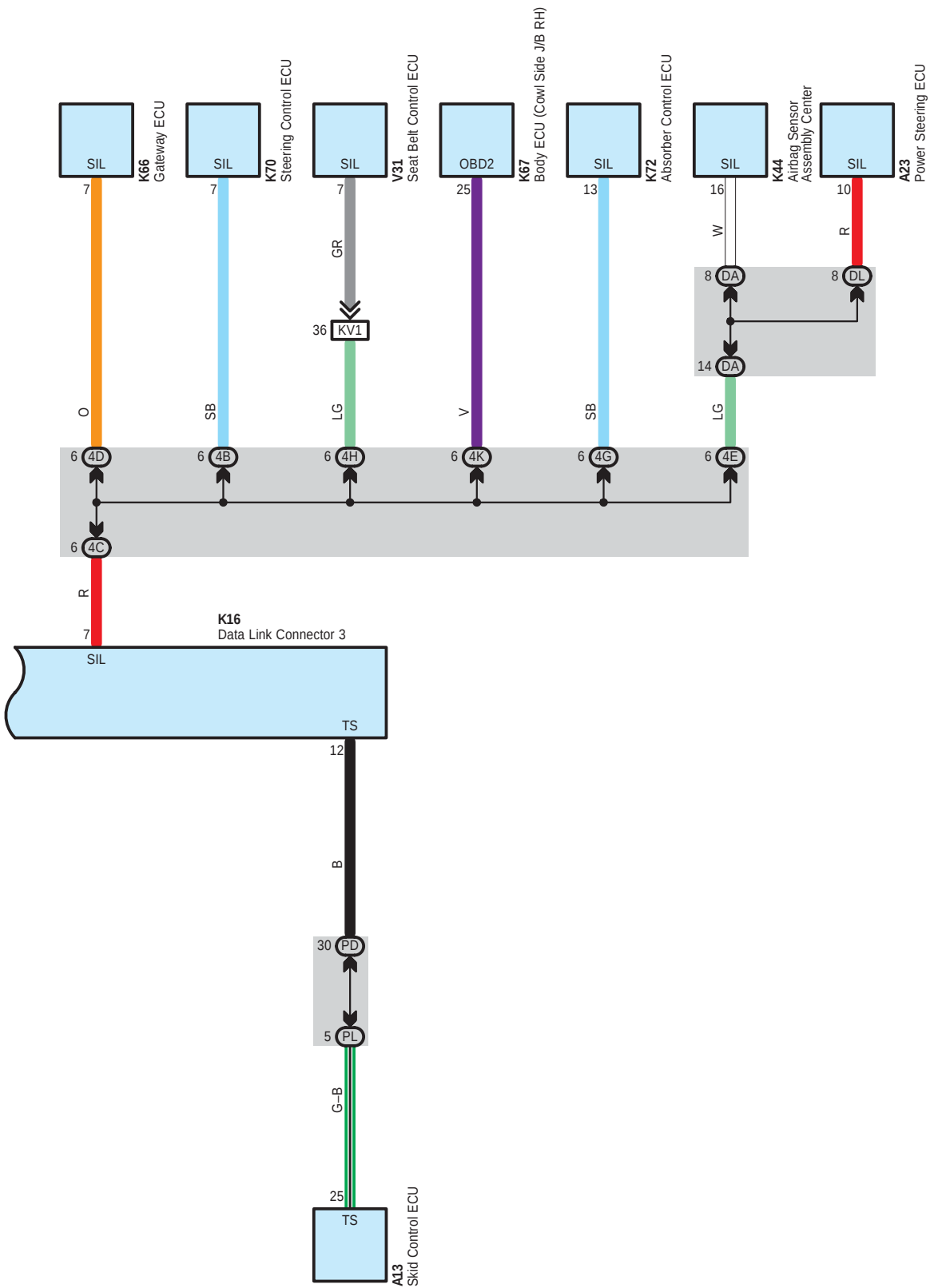


: Ground Points

| Code | See Page | Ground Points Location                       |
|------|----------|----------------------------------------------|
| A1   | 96       | Left Side of the Dash Panel                  |
| A2   | 96       | Front Left Fender Apron                      |
| E1   | 96       | Rear Side of the Left Cylinder Head          |
| E2   | 96       | Rear Side of the Right Cylinder Head         |
| I1   | 96       | Front Side of the Right Cylinder Head        |
| J1   |          |                                              |
| K1   | 97       | Left Kick Panel                              |
| K2   | 97       | Left Side of the Shift Lever                 |
| K4   | 97       | Right Kick Panel                             |
| U2   | 98       | Right Side of the Rear Floor Partition Panel |
| V2   | 98       | Roof Side Inner Panel LH                     |

## Data Link Connector 3





## Data Link Connector 3

### : Parts Location

| Code |   | See Page | Code |   | See Page | Code |  | See Page |
|------|---|----------|------|---|----------|------|--|----------|
| A8   | A | 80       | A54  |   | 80       | K67  |  | 86       |
| A13  |   | 80       | E10  | B | 81       | K70  |  | 86       |
| A23  |   | 80       | K16  |   | 85       | K72  |  | 86       |
| A32  | A | 84       | K44  |   | 86       | V31  |  | 91       |
| A33  | B | 84       | K46  |   | 86       |      |  |          |
| A53  | A | 80       | K66  |   | 86       |      |  |          |

### : Junction Block and Wire Harness Connector

| Code | See Page | Junction Block and Wire Harness (Connector Location)                                       |
|------|----------|--------------------------------------------------------------------------------------------|
| 4B   | 70       | Instrument Panel Wire and Center J/B RH (Right Side of the Instrument Panel Reinforcement) |
| 4C   |          |                                                                                            |
| 4D   |          |                                                                                            |
| 4E   |          |                                                                                            |
| 4G   |          |                                                                                            |
| 4H   |          |                                                                                            |
| 4K   |          |                                                                                            |
| 4L   |          |                                                                                            |
| 5F   | 66       | Instrument Panel Wire and Center J/B LH (Right Side of the Instrument Panel Reinforcement) |
| 5G   |          |                                                                                            |
| DA   | 55       | Instrument Panel Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| DD   |          |                                                                                            |
| DL   | 56       | Engine Room Main Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| PD   | 49       | Instrument Panel Wire and Cowl Side J/B LH (Lower Finish Panel)                            |
| PL   | 50       | Engine Room Main Wire and Cowl Side J/B LH (Lower Finish Panel)                            |

### : Connector Joining Wire Harness and Wire Harness

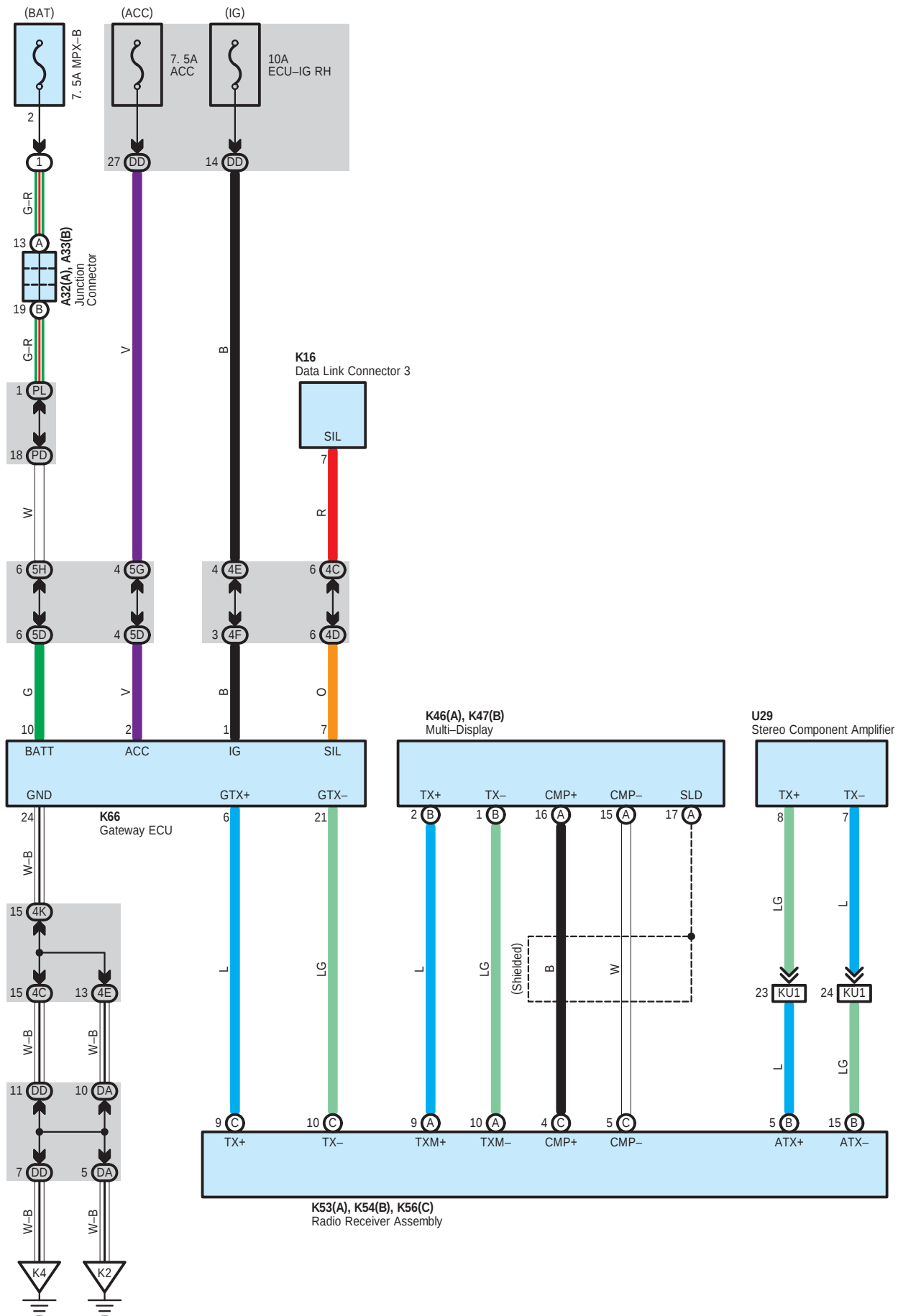
| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location)        |
|------|----------|-------------------------------------------------------------------|
| KA2  | 97       | Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel) |
| KV1  | 97       | Instrument Panel Wire and Floor No.2 Wire (Left Kick Panel)       |

### : Ground Points

| Code | See Page | Ground Points Location              |
|------|----------|-------------------------------------|
| E1   | 96       | Rear Side of the Left Cylinder Head |
| K2   | 97       | Left Side of the Shift Lever        |
| K4   | 97       | Right Kick Panel                    |



# Multiplex Communication System – AVC-LAN



## System Outline

AVC-LAN consists of audio visual systems such as data link connector 3, gateway ECU, multi-display, radio receiver assembly and stereo component amplifier. Gateway ECU has communication circuit to correspond with different types of communication data. Different types of communication data can be shared among communication parts after it goes through gateway ECU.

## ○ : Parts Location

| Code |   | See Page | Code |   | See Page | Code |  | See Page |
|------|---|----------|------|---|----------|------|--|----------|
| A32  | A | 84       | K47  | B | 86       | K66  |  | 86       |
| A33  | B | 84       | K53  | A | 86       | U29  |  | 90       |
| K16  |   | 85       | K54  | B | 86       |      |  |          |
| K46  | A | 86       | K56  | C | 86       |      |  |          |

## ○ : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location)            |
|------|----------|------------------------------------------------|
| 1    | 24       | 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)                                       |
|------|----------|--------------------------------------------------------------------------------------------|
| 4C   | 70       | Instrument Panel Wire and Center J/B RH (Right Side of the Instrument Panel Reinforcement) |
| 4D   |          |                                                                                            |
| 4E   |          |                                                                                            |
| 4F   |          |                                                                                            |
| 4K   |          |                                                                                            |
| 5D   | 66       | Instrument Panel Wire and Center J/B LH (Right Side of the Instrument Panel Reinforcement) |
| 5G   |          |                                                                                            |
| 5H   |          |                                                                                            |
| DA   | 55       | Instrument Panel Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| DD   |          |                                                                                            |
| PD   | 49       | Instrument Panel Wire and Cowl Side J/B LH (Lower Finish Panel)                            |
| PL   | 50       | Engine Room Main Wire and Cowl Side J/B LH (Lower Finish Panel)                            |

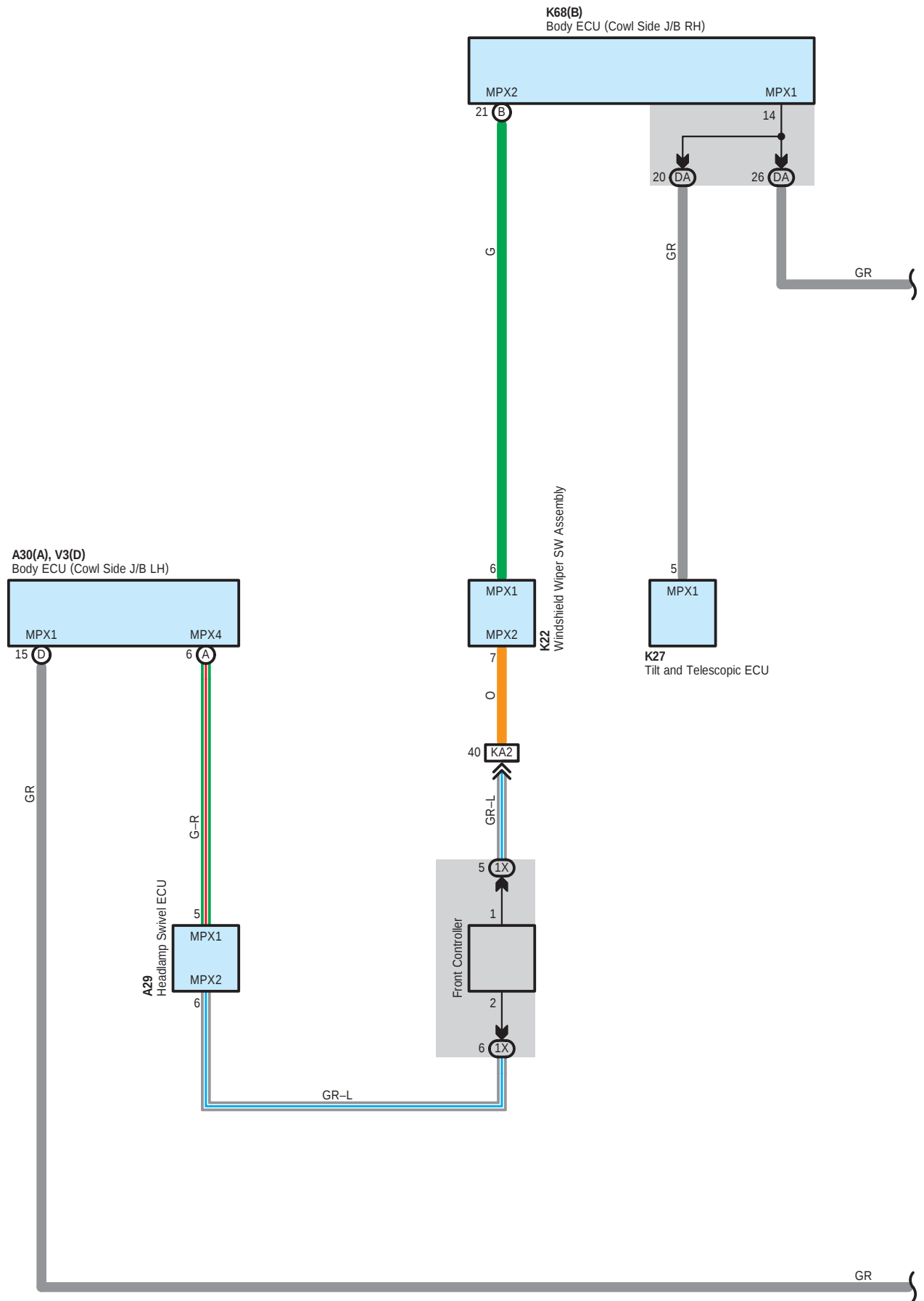
## □ : Connector Joining Wire Harness and Wire Harness

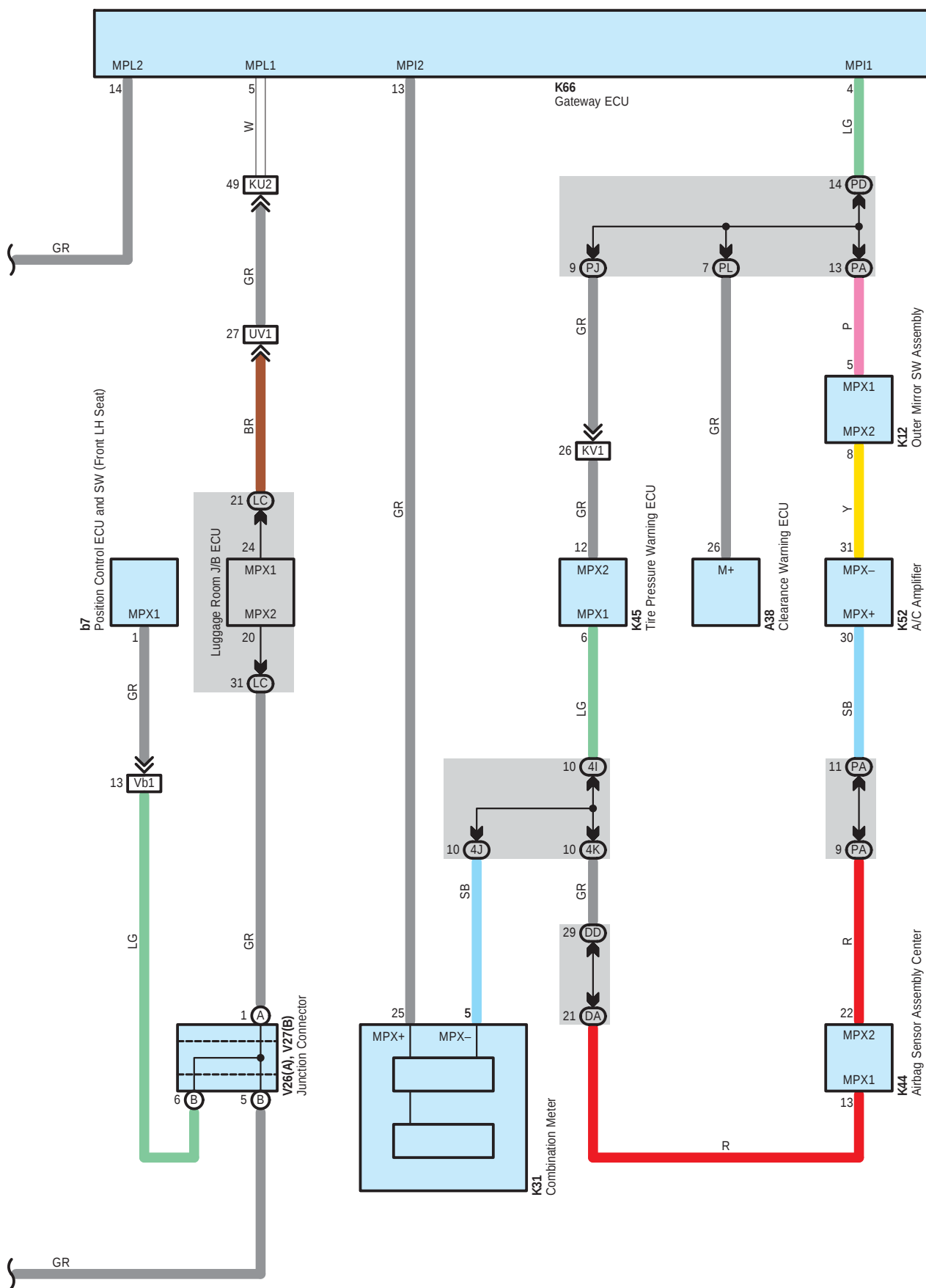
| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location)        |
|------|----------|-------------------------------------------------------------------|
| KU1  | 97       | Instrument Panel Wire and Floor No.1 Wire (Under the Console Box) |

## ▽ : Ground Points

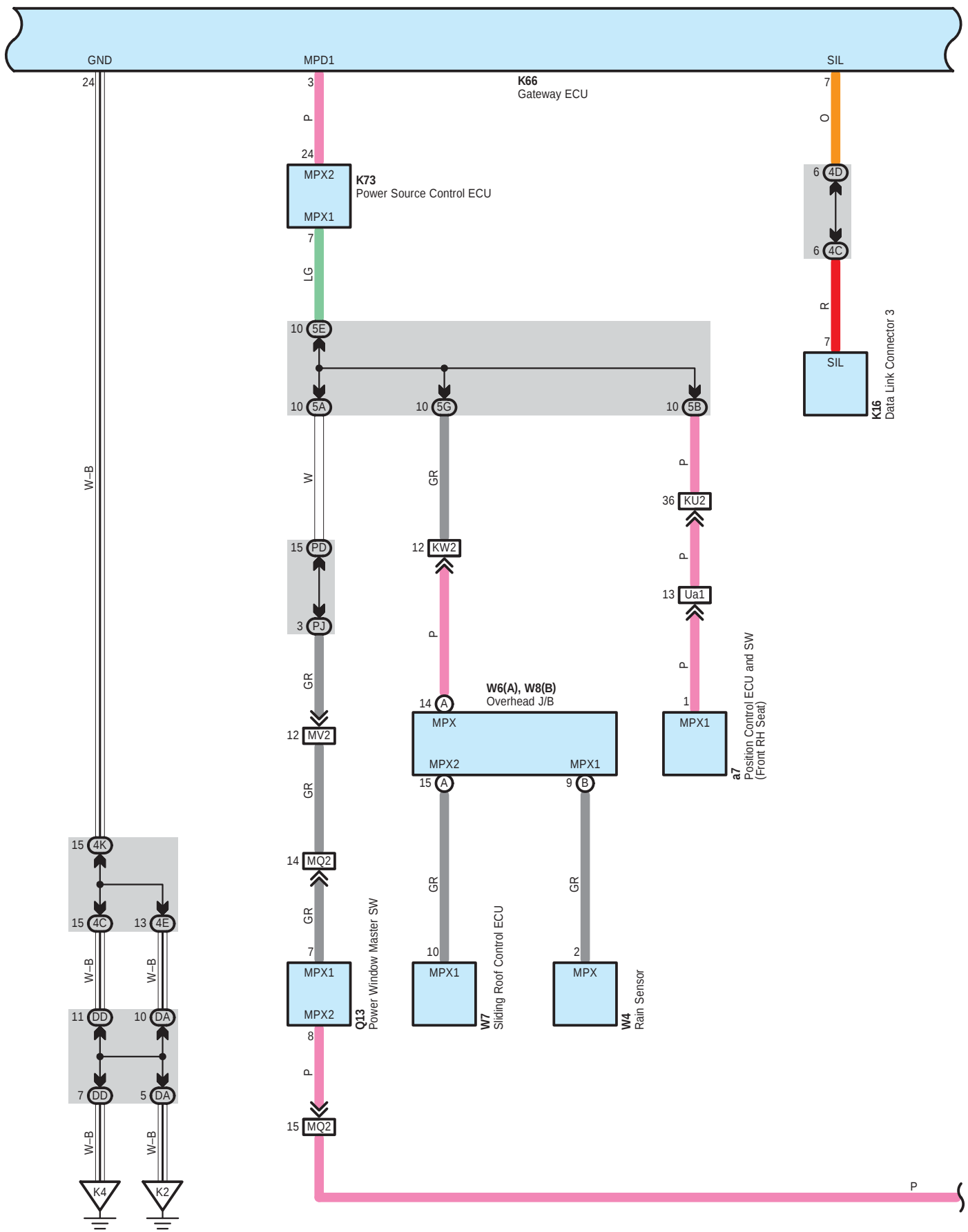
| Code | See Page | Ground Points Location       |
|------|----------|------------------------------|
| K2   | 97       | Left Side of the Shift Lever |
| K4   | 97       | Right Kick Panel             |

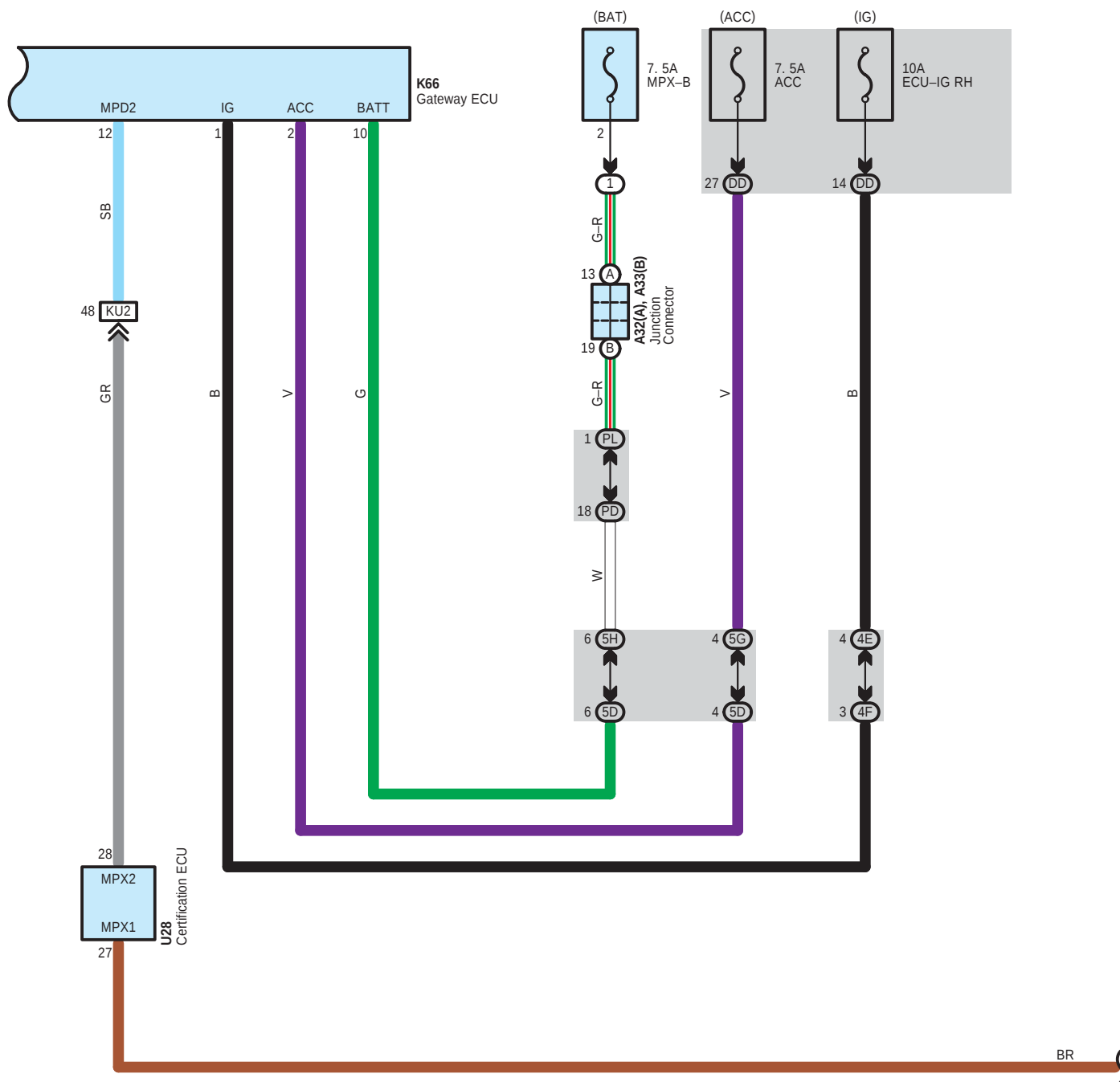
# Multiplex Communication System – BEAN



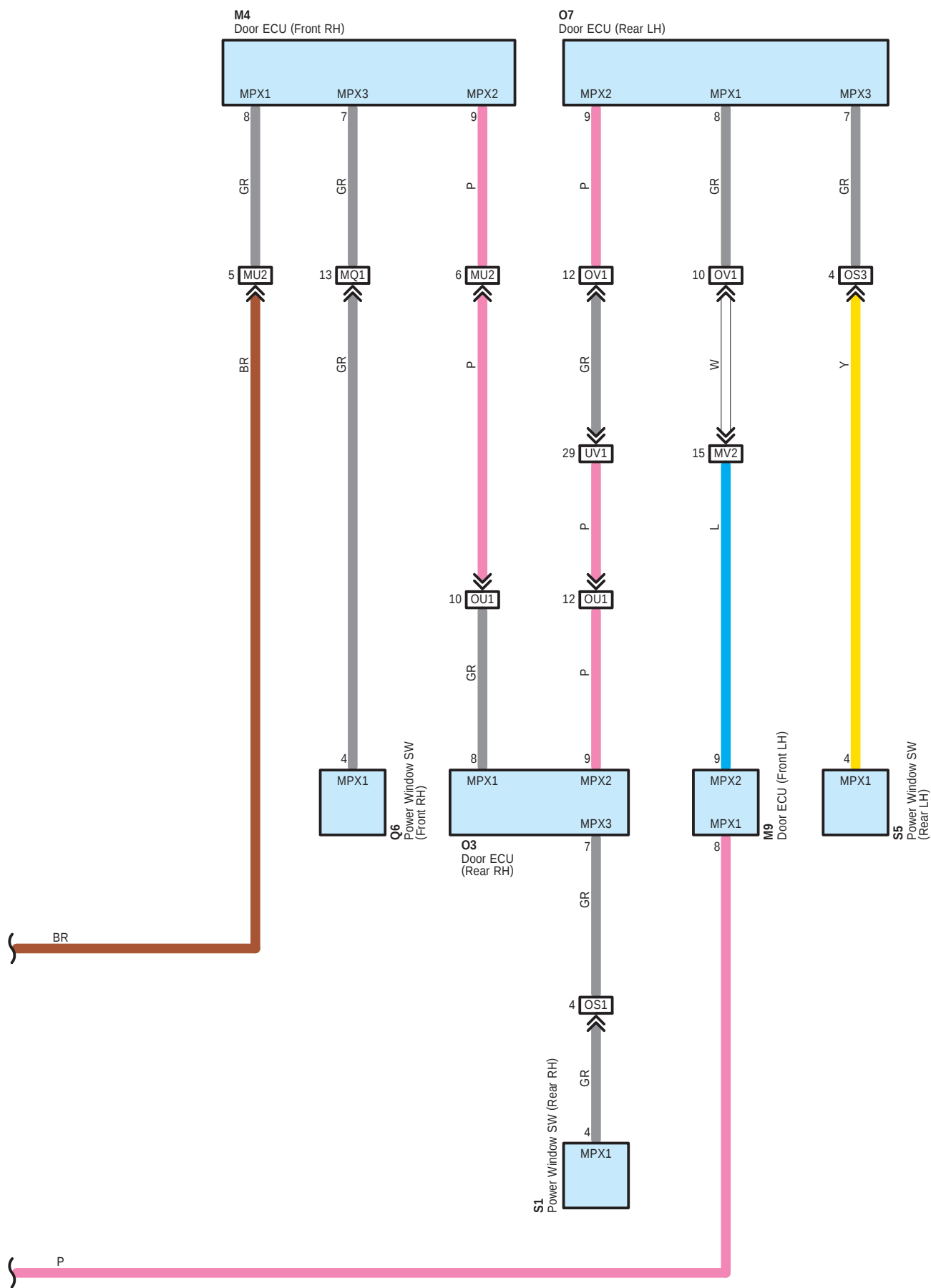


# Multiplex Communication System – BEAN





Multiplex Communication System – BEAN



## System Outline

BEAN consists of body electrical systems such as A/C amplifier, headlamp swivel ECU, airbag sensor assembly center, clearance warning ECU, combination meter, windshield wiper SW assembly, body ECU (Cowl side J/B LH), body ECU (Cowl side J/B RH), data link connector 3, front controller, door ECU (Front LH), door ECU (Front RH), gateway ECU, power source control ECU, luggage room J/B ECU, outer mirror SW assembly, overhead J/B, position control ECU and SW (Front LH seat), position control ECU and SW (Front RH seat), power window master SW, power window SW (Front RH), power window SW (Rear LH), power window SW (Rear RH), rain sensor, door ECU (Rear LH), door ECU (Rear RH), sliding roof control ECU, smart key ECU, tilt and telescopic ECU and tire pressure warning ECU. Gateway ECU has communication circuit to correspond with different types of communication data. Different types of communication data can be shared among communication parts after it goes through gateway ECU.

## ○ : Parts Location

| Code | See Page | Code | See Page | Code | See Page |
|------|----------|------|----------|------|----------|
| A29  | 84       | K52  | 86       | U28  | 90       |
| A30  | A 84     | K66  | 86       | V3   | D 87     |
| A32  | A 84     | K68  | B 86     | V26  | A 91     |
| A33  | B 84     | K73  | 86       | V27  | B 91     |
| A38  | 84       | M4   | 88       | W4   | 92       |
| K12  | 85       | M9   | 88       | W6   | A 92     |
| K16  | 85       | O3   | 88       | W7   | 92       |
| K22  | 85       | O7   | 88       | W8   | B 92     |
| K27  | 85       | Q6   | 89       | a7   | 94       |
| K31  | 85       | Q13  | 89       | b7   | 94       |
| K44  | 86       | S1   | 89       |      |          |
| K45  | 86       | S5   | 89       |      |          |

## ○ : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location)            |
|------|----------|------------------------------------------------|
| 1    | 24       | 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)                                       |
|------|----------|--------------------------------------------------------------------------------------------|
| 1X   | 29       | Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment left)                   |
| 4C   | 70       | Instrument Panel Wire and Center J/B RH (Right Side of the Instrument Panel Reinforcement) |
| 4D   |          |                                                                                            |
| 4E   |          |                                                                                            |
| 4F   |          |                                                                                            |
| 4I   |          |                                                                                            |
| 4J   |          |                                                                                            |
| 4K   |          |                                                                                            |
| 5A   | 66       | Instrument Panel Wire and Center J/B LH (Right Side of the Instrument Panel Reinforcement) |
| 5B   |          |                                                                                            |
| 5D   |          |                                                                                            |
| 5E   |          |                                                                                            |
| 5G   |          |                                                                                            |
| 5H   |          |                                                                                            |
| DA   | 55       | Instrument Panel Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| DD   |          |                                                                                            |
| LC   | 63       | Floor No.2 Wire and Luggage Room J/B (Left Side of the Quarter Panel )                     |
| PA   | 49       | Instrument Panel Wire and Cowl Side J/B LH (Lower Finish Panel)                            |
| PD   |          |                                                                                            |
| PJ   | 50       | Floor No.2 Wire and Cowl Side J/B LH (Lower Finish Panel)                                  |
| PL   | 50       | Engine Room Main Wire and Cowl Side J/B LH (Lower Finish Panel)                            |

## Multiplex Communication System – BEAN

### : Connector Joining Wire Harness and Wire Harness

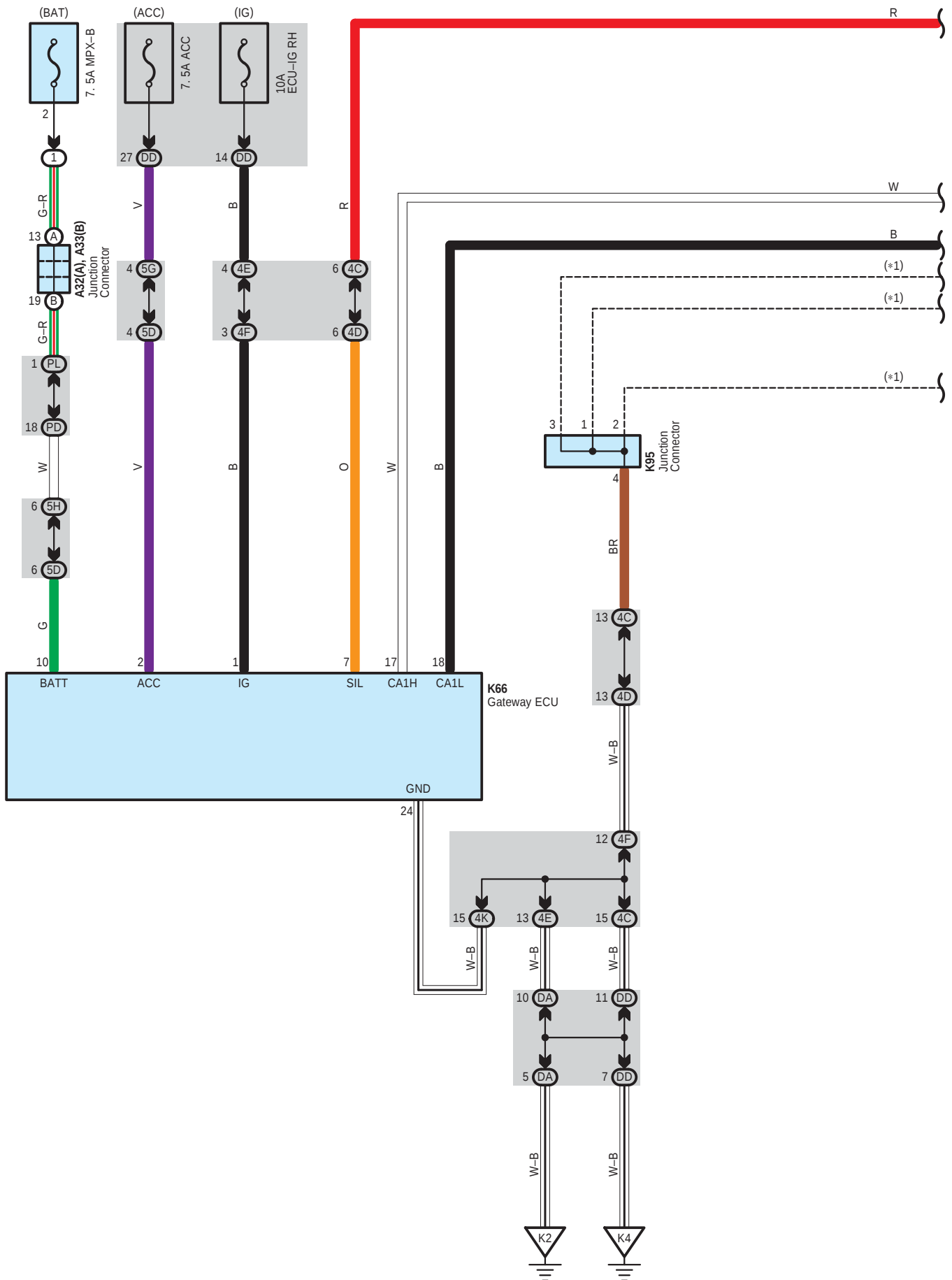
| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location)                     |
|------|----------|--------------------------------------------------------------------------------|
| KA2  | 97       | Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)              |
| KU2  | 97       | Instrument Panel Wire and Floor No.1 Wire (Right Kick Panel)                   |
| KV1  | 97       | Instrument Panel Wire and Floor No.2 Wire (Left Kick Panel)                    |
| KW2  | 97       | Instrument Panel Wire and Roof Wire (Left Side of the Instrument Panel)        |
| MQ1  | 98       | Front Door RH Wire and Front Door RH No.2 Wire (Front Door Inner Panel RH)     |
| MQ2  | 98       | Front Door LH Wire and Front Door LH No.2 Wire (Front Door Inner Panel LH)     |
| MU2  | 97       | Front Door RH Wire and Floor No.1 Wire (Right Kick Panel)                      |
| MV2  | 97       | Front Door LH Wire and Floor No.2 Wire (Left Kick Panel)                       |
| OS1  | 98       | Rear Door No.1 Wire and Rear Door RH Wire (Front Door Inner Panel RH)          |
| OS3  | 98       | Rear Door No.2 Wire and Rear Door LH Wire (Rear Door Inner Panel LH)           |
| OU1  | 98       | Rear Door No.1 Wire and Floor No.1 Wire (Right Center Pillar)                  |
| OV1  | 98       | Rear Door No.2 Wire and Floor No.2 Wire (Left Center Pillar)                   |
| UV1  | 98       | Floor No.1 Wire and Floor No.2 Wire (Center of the Rear Floor Partition Panel) |
| Ua1  | 99       | Floor No.1 Wire and Front Seat RH Wire (Under the Front Passenger's Seat)      |
| Vb1  | 99       | Floor No.2 Wire and Front Seat LH Wire (Under the Driver's Seat)               |

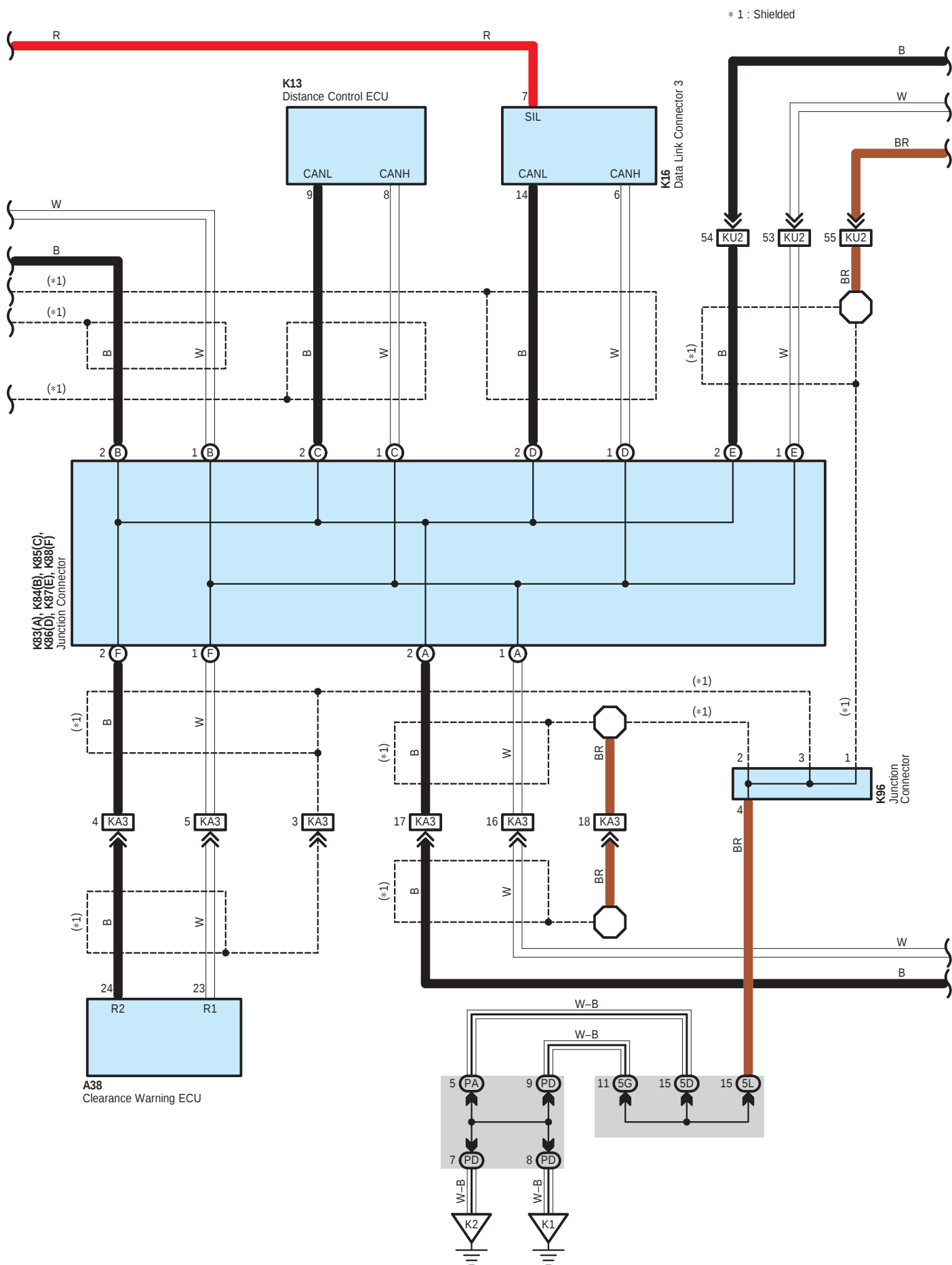
### : Ground Points

| Code | See Page | Ground Points Location       |
|------|----------|------------------------------|
| K2   | 97       | Left Side of the Shift Lever |
| K4   | 97       | Right Kick Panel             |

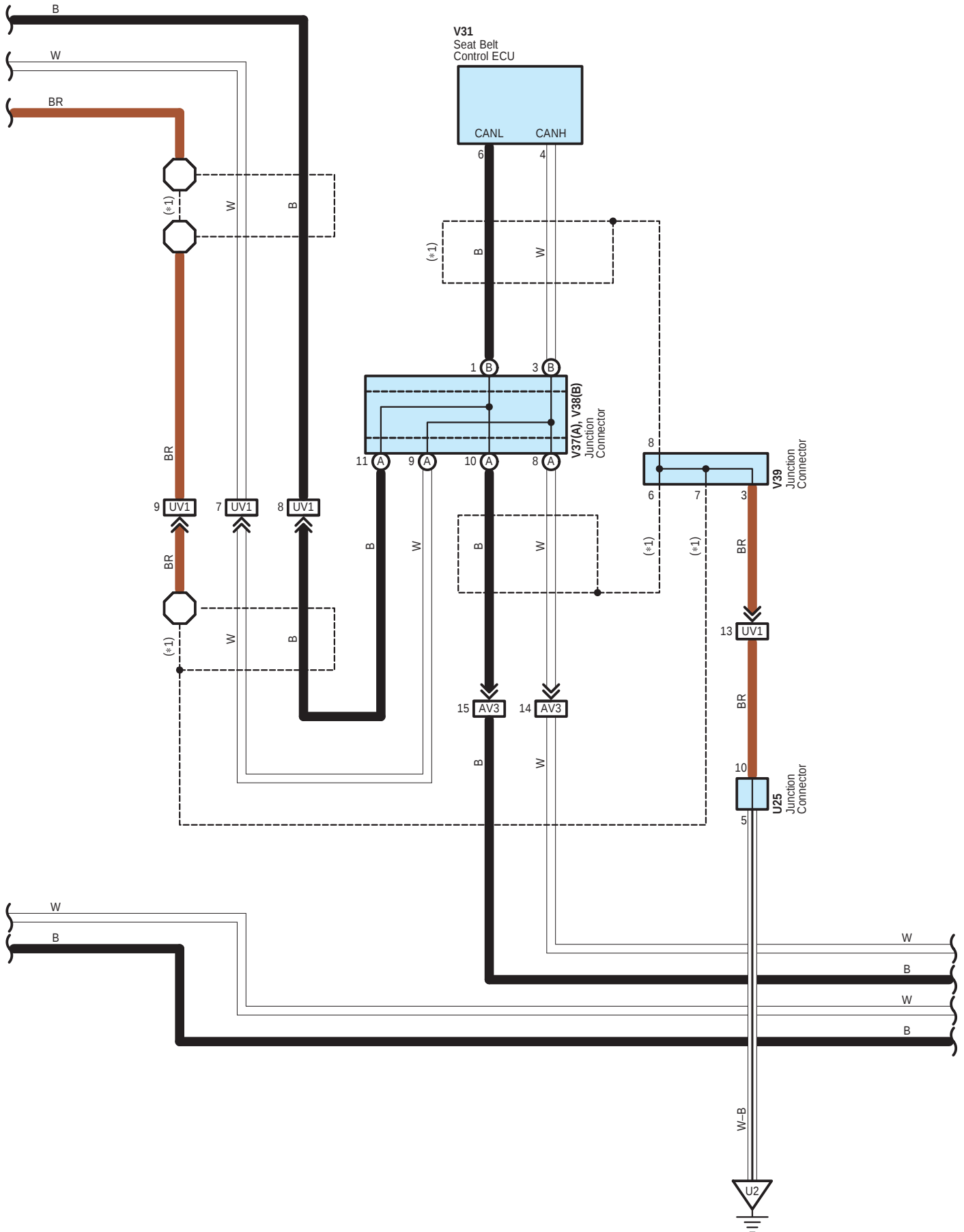


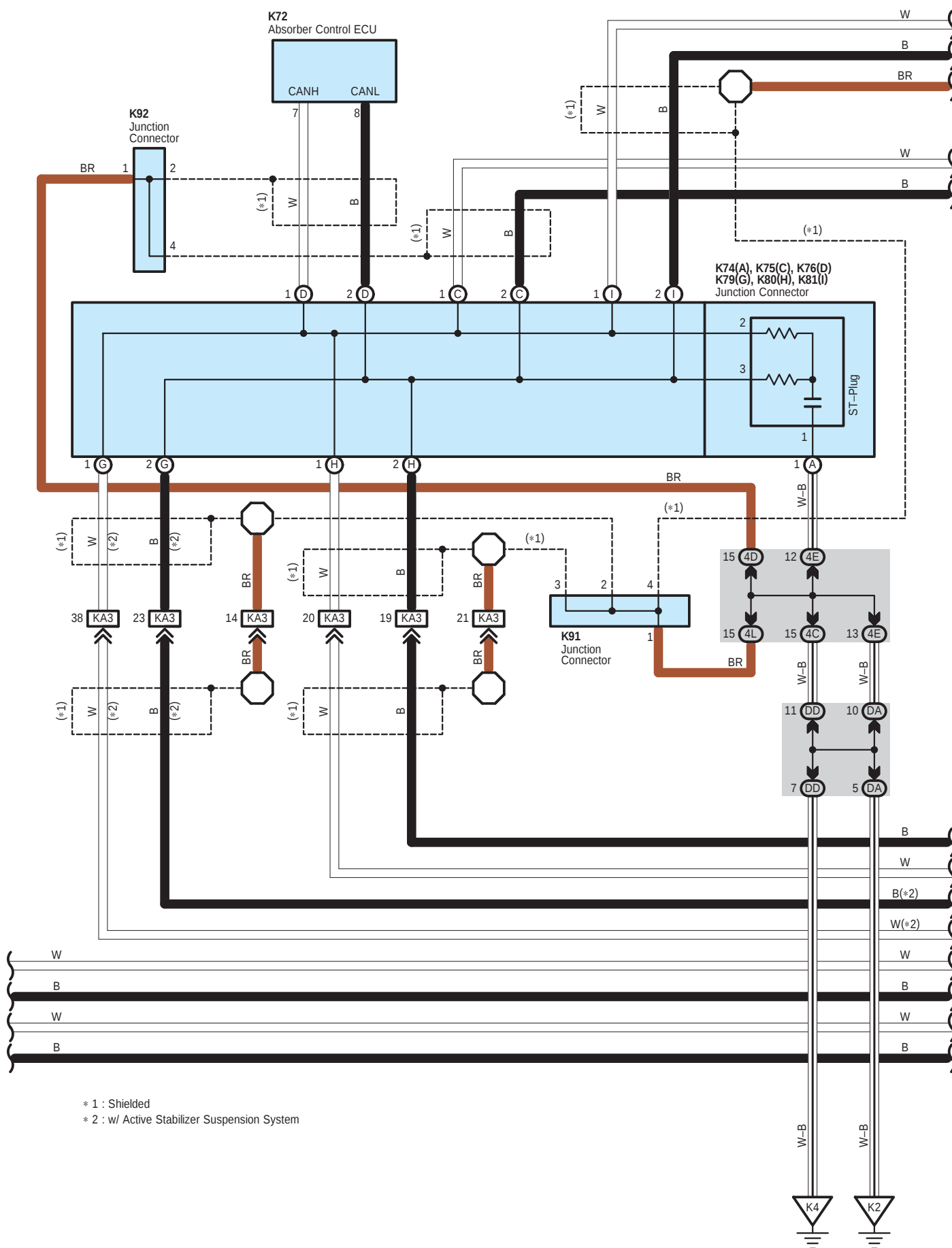
# Multiplex Communication System – CAN



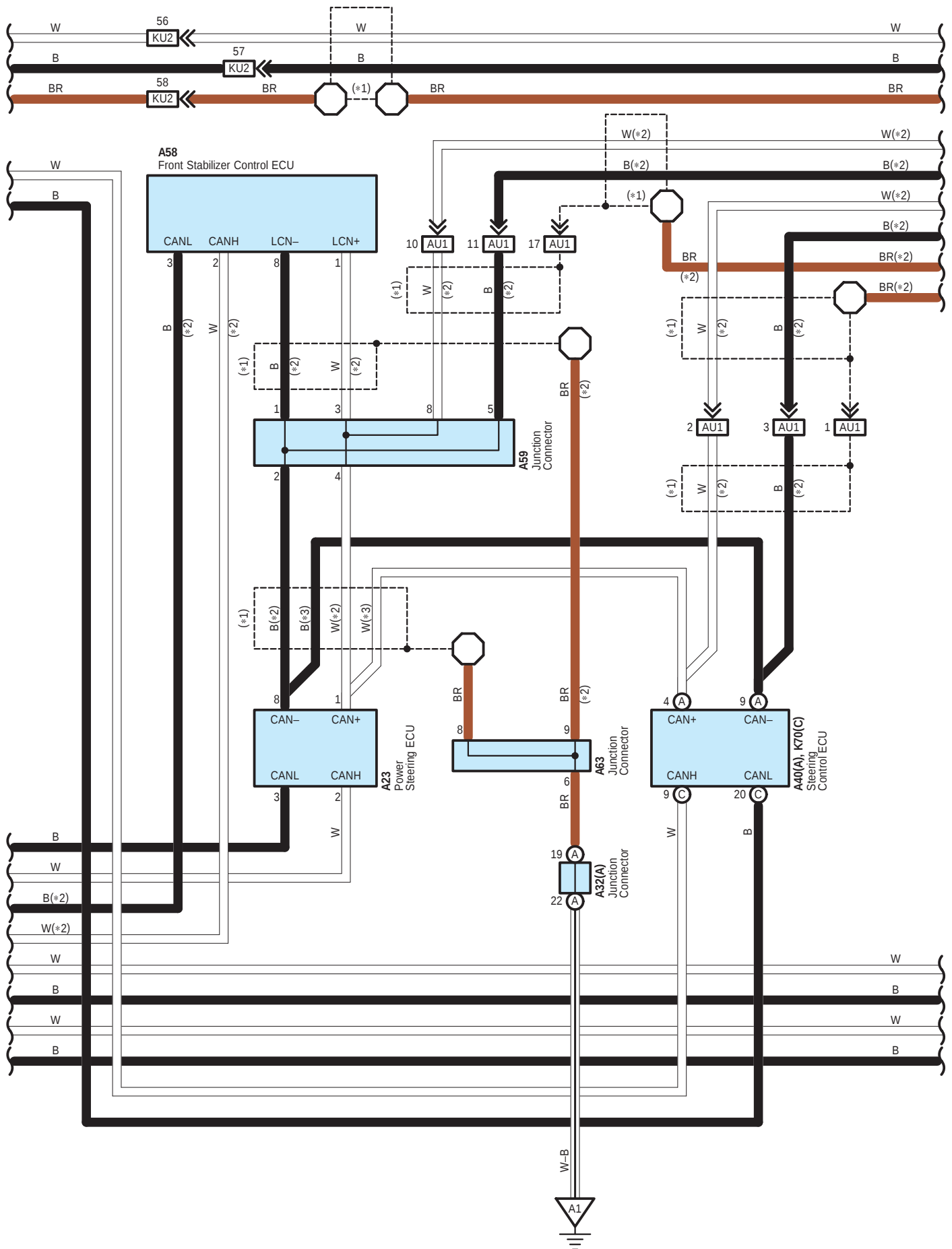


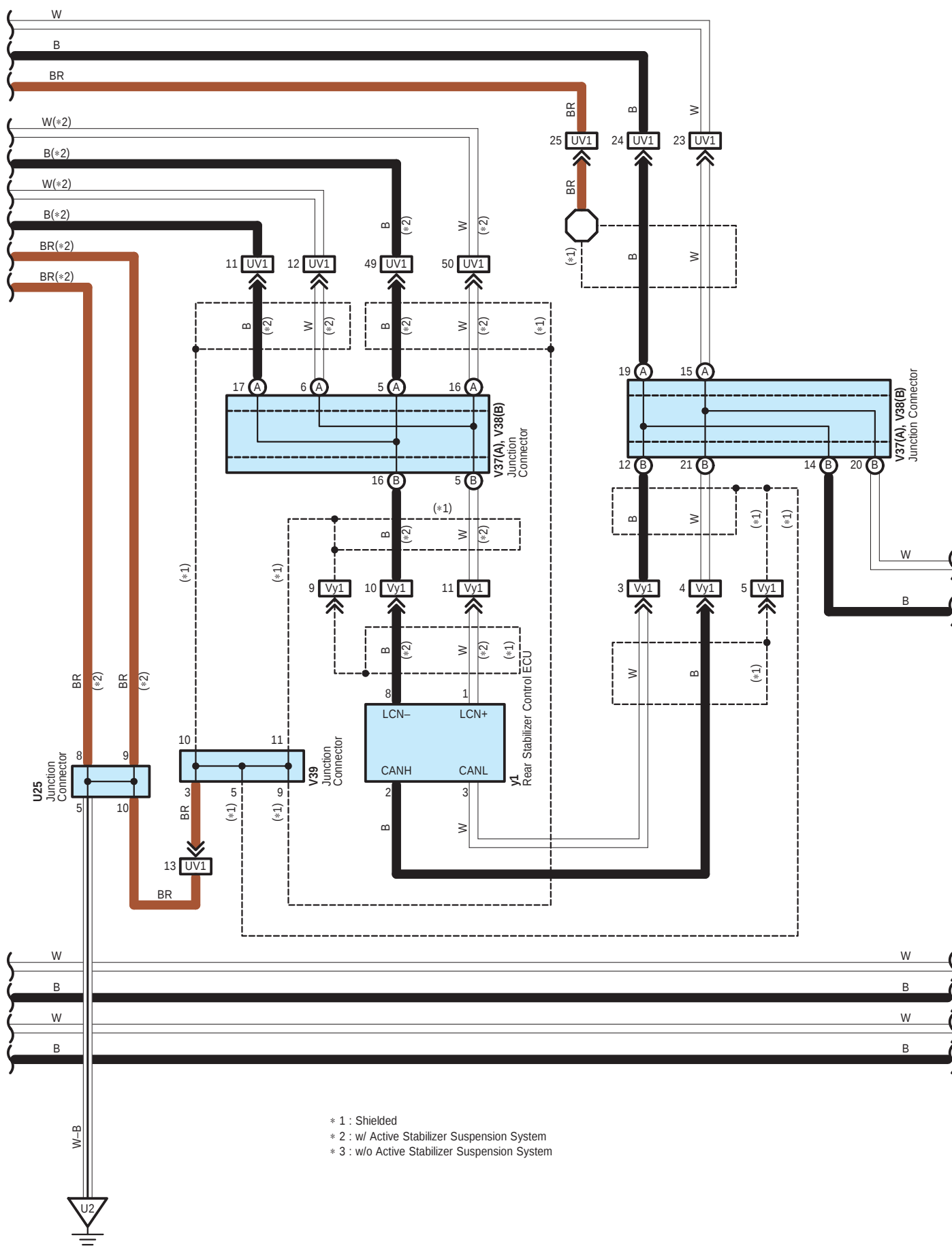
# Multiplex Communication System – CAN

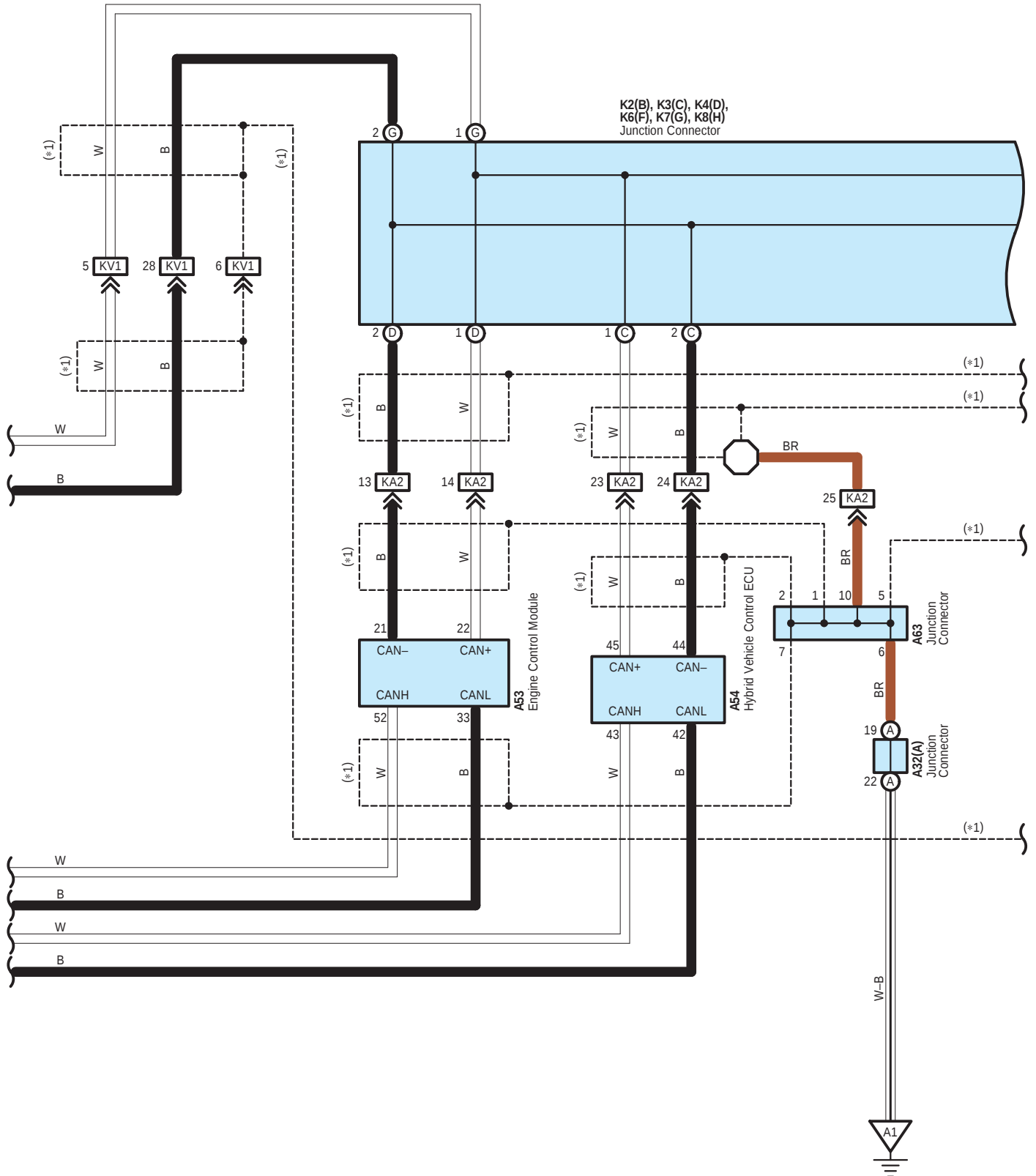


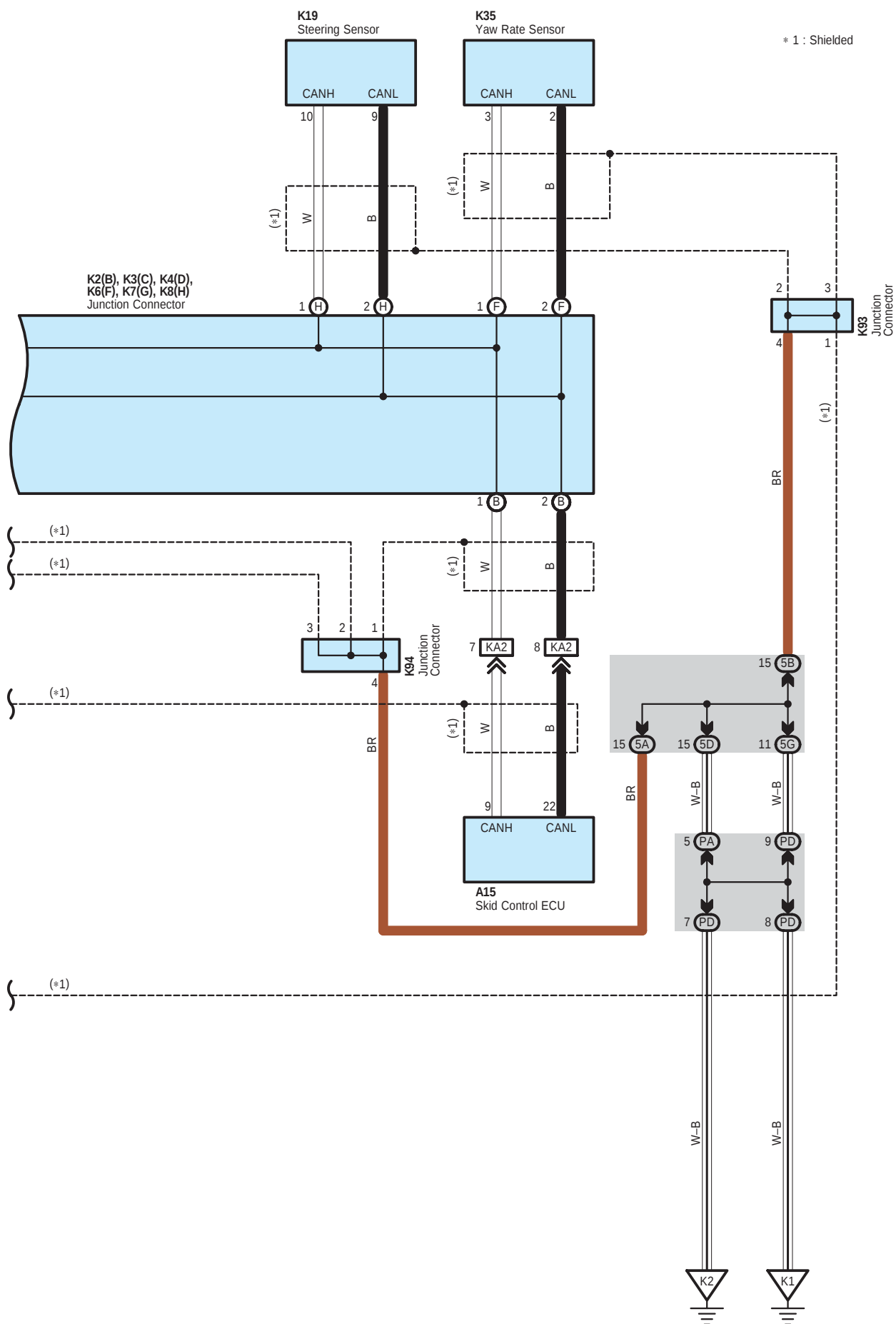


# Multiplex Communication System – CAN









# Multiplex Communication System – CAN

## System Outline

CAN has two lines as a pair which make communication with operating voltage. CAN has excellent data speed and error detecting capacity. It consists of vehicle control systems such as absorber control ECU, clearance warning ECU, data link connector 3, distance control ECU, engine control module, front stabilizer control ECU, gateway ECU, hybrid vehicle control ECU, power steering ECU, rear stabilizer control ECU, seat belt control ECU, skid control ECU, steering control ECU, steering sensor and yaw rate sensor. Gateway ECU has communication circuit to correspond with different types of communication data. Different types of communication data can be shared among communication parts after it goes through gateway ECU.

## ○ : Parts Location

| Code  | See Page | Code  | See Page | Code  | See Page |
|-------|----------|-------|----------|-------|----------|
| A15   | 80       | K8 H  | 74, 85   | K85 C | 78, 86   |
| A23   | 80       | K13   | 85       | K86 D | 78, 86   |
| A32 A | 84       | K16   | 85       | K87 E | 78, 86   |
| A33 B | 84       | K19   | 85       | K88 F | 78, 86   |
| A38   | 84       | K35   | 85       | K91   | 86       |
| A40 A | 84       | K66   | 86       | K92   | 86       |
| A53   | 80       | K70 C | 86       | K93   | 86       |
| A54   | 80       | K72   | 86       | K94   | 86       |
| A58   | 80       | K74 A | 76, 86   | K95   | 86       |
| A59   | 80       | K75 C | 76, 86   | K96   | 86       |
| A63   | 84       | K76 D | 76, 86   | U25   | 90       |
| K2 B  | 74, 85   | K79 G | 76, 86   | V31   | 91       |
| K3 C  | 74, 85   | K80 H | 76, 86   | V37 A | 91       |
| K4 D  | 74, 85   | K81 I | 76, 86   | V38 B | 91       |
| K6 F  | 74, 85   | K83 A | 78, 86   | V39   | 91       |
| K7 G  | 74, 85   | K84 B | 78, 86   | y1    | 93       |

## ○ : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location)            |
|------|----------|------------------------------------------------|
| 1    | 24       | Engine Room R/B No.1 (Engine Compartment Left) |

## ○ : Junction Block and Wire Harness Connector

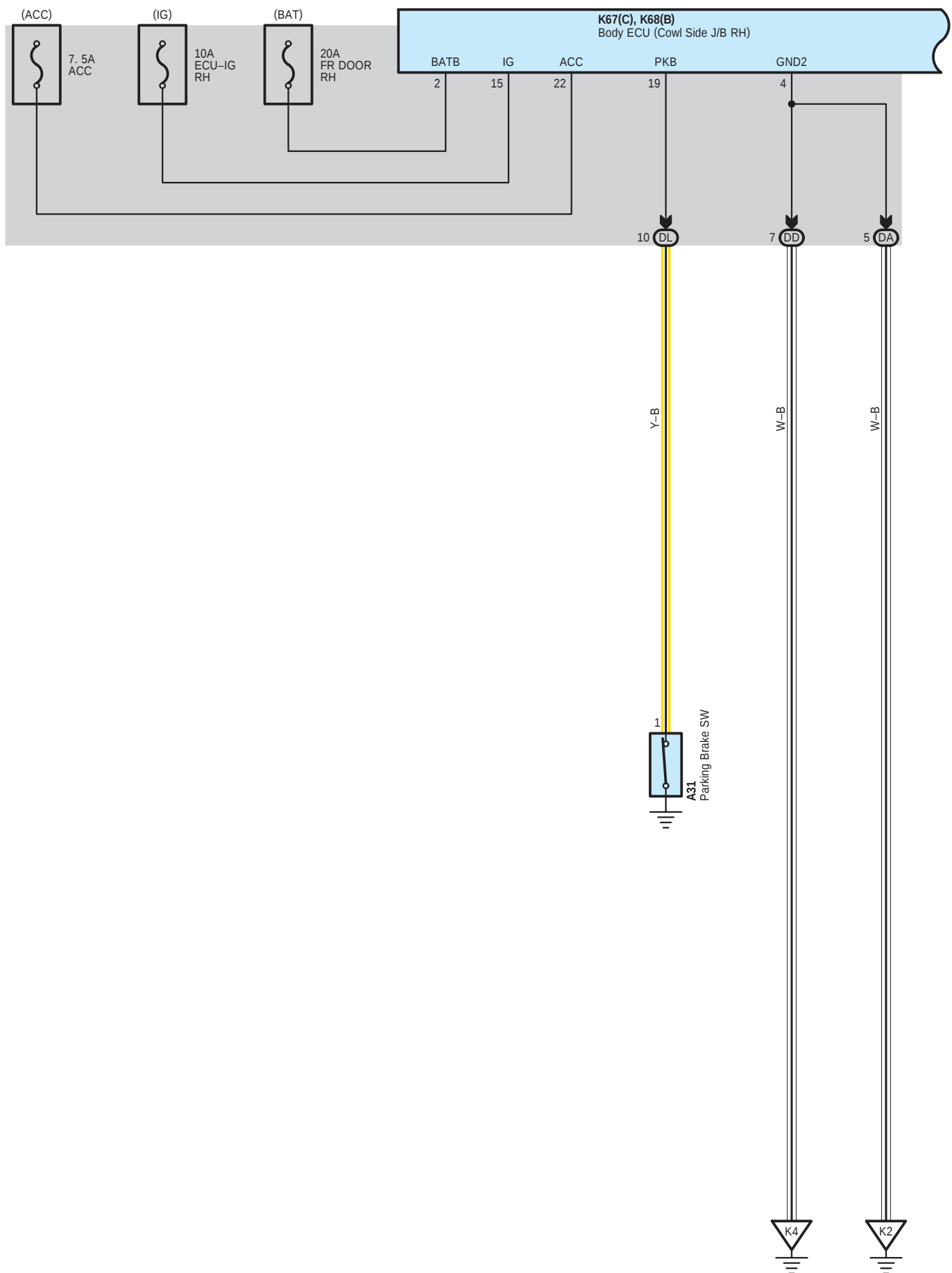
| Code | See Page | Junction Block and Wire Harness (Connector Location)                                       |
|------|----------|--------------------------------------------------------------------------------------------|
| 4C   | 70       | Instrument Panel Wire and Center J/B RH (Right Side of the Instrument Panel Reinforcement) |
| 4D   |          |                                                                                            |
| 4E   |          |                                                                                            |
| 4F   |          |                                                                                            |
| 4K   |          |                                                                                            |
| 4L   |          |                                                                                            |
| 5A   | 66       | Instrument Panel Wire and Center J/B LH (Right Side of the Instrument Panel Reinforcement) |
| 5B   |          |                                                                                            |
| 5D   |          |                                                                                            |
| 5G   |          |                                                                                            |
| 5H   |          |                                                                                            |
| 5L   |          |                                                                                            |
| DA   | 55       | Instrument Panel Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| DD   |          |                                                                                            |
| PA   | 49       | Instrument Panel Wire and Cowl Side J/B LH (Lower Finish Panel)                            |
| PD   |          |                                                                                            |
| PL   | 50       | Engine Room Main Wire and Cowl Side J/B LH (Lower Finish Panel)                            |

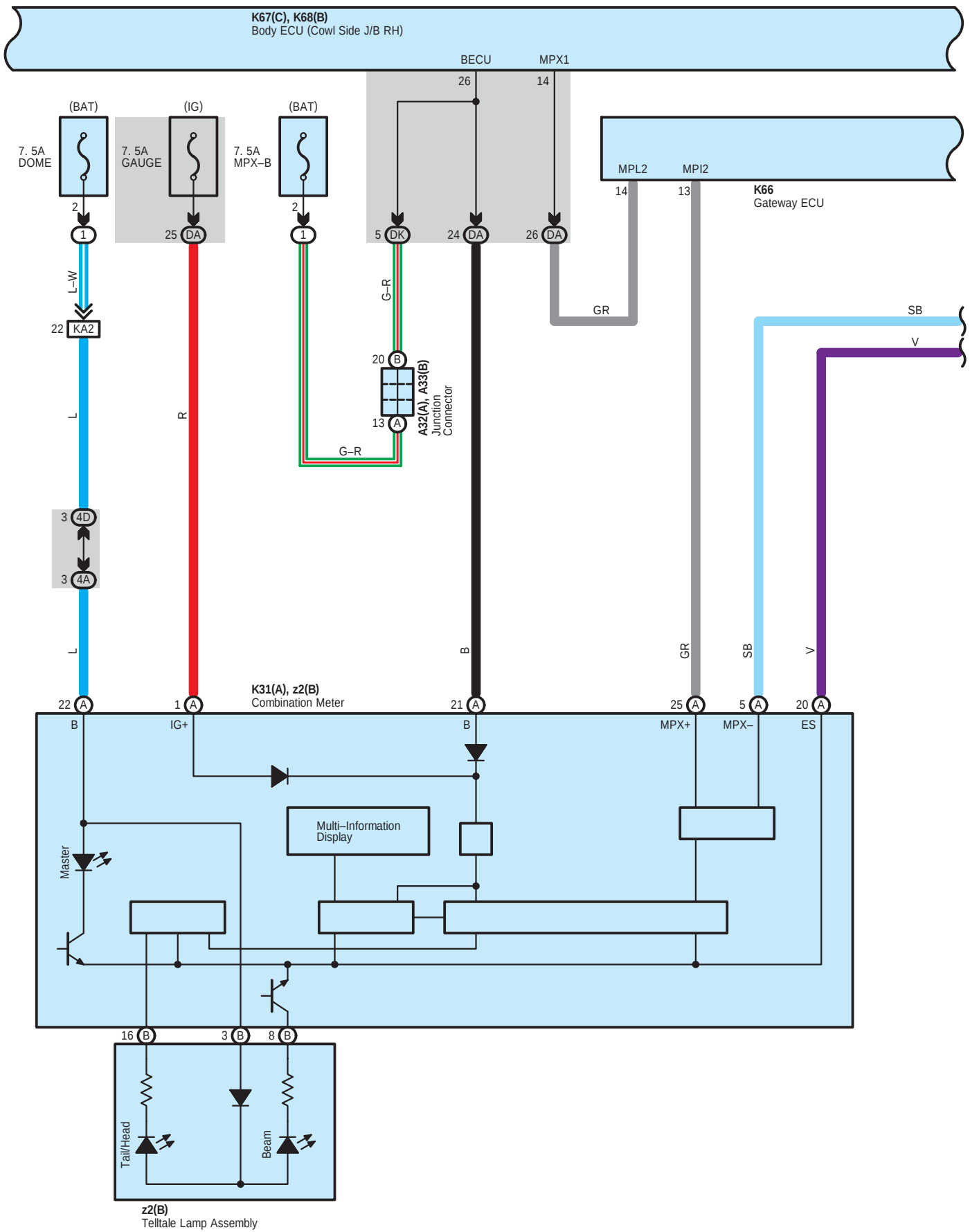
 : Connector Joining Wire Harness and Wire Harness

| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location)                     |
|------|----------|--------------------------------------------------------------------------------|
| AU1  | 97       | Engine Room Main Wire and Floor No.1 Wire (Cowl Side Panel RH)                 |
| AV3  | 97       | Engine Room Main Wire and Floor No.2 Wire (Cowl Side Panel LH)                 |
| KA2  | 97       | Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)              |
| KA3  | 97       | Instrument Panel Wire and Engine Room Main Wire (Right Kick Panel)             |
| KU2  | 97       | Instrument Panel Wire and Floor No.1 Wire (Right Kick Panel)                   |
| KV1  | 97       | Instrument Panel Wire and Floor No.2 Wire (Left Kick Panel)                    |
| UV1  | 98       | Floor No.1 Wire and Floor No.2 Wire (Center of the Rear Floor Partition Panel) |
| Vy1  | 98       | Floor No.2 Wire and Luggage Room Wire (Quarter Wheel House Inner Panel LH)     |

 : Ground Points

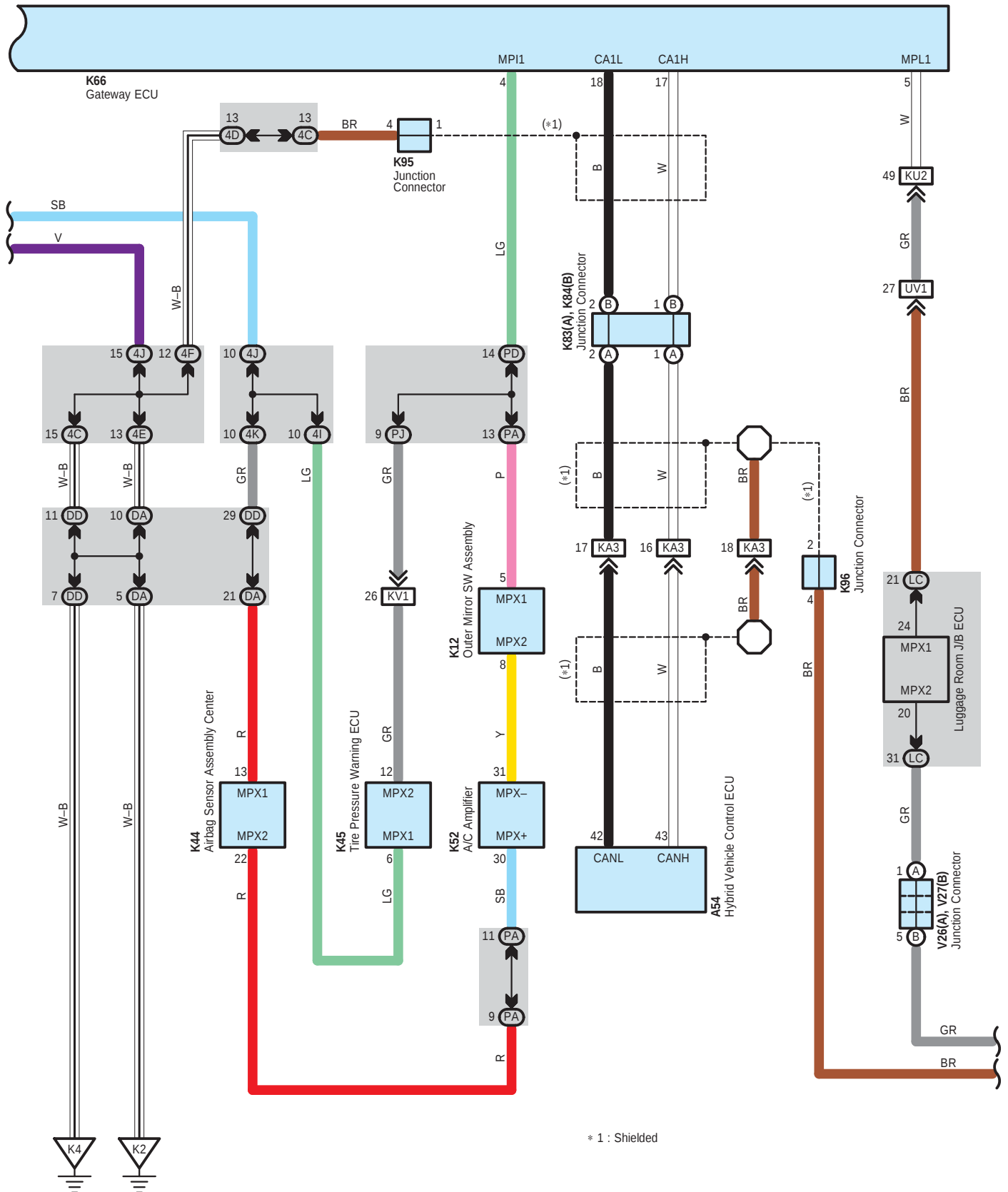
| Code | See Page | Ground Points Location                       |
|------|----------|----------------------------------------------|
| A1   | 96       | Left Side of the Dash Panel                  |
| K1   | 97       | Left Kick Panel                              |
| K2   | 97       | Left Side of the Shift Lever                 |
| K4   | 97       | Right Kick Panel                             |
| U2   | 98       | Right Side of the Rear Floor Partition Panel |

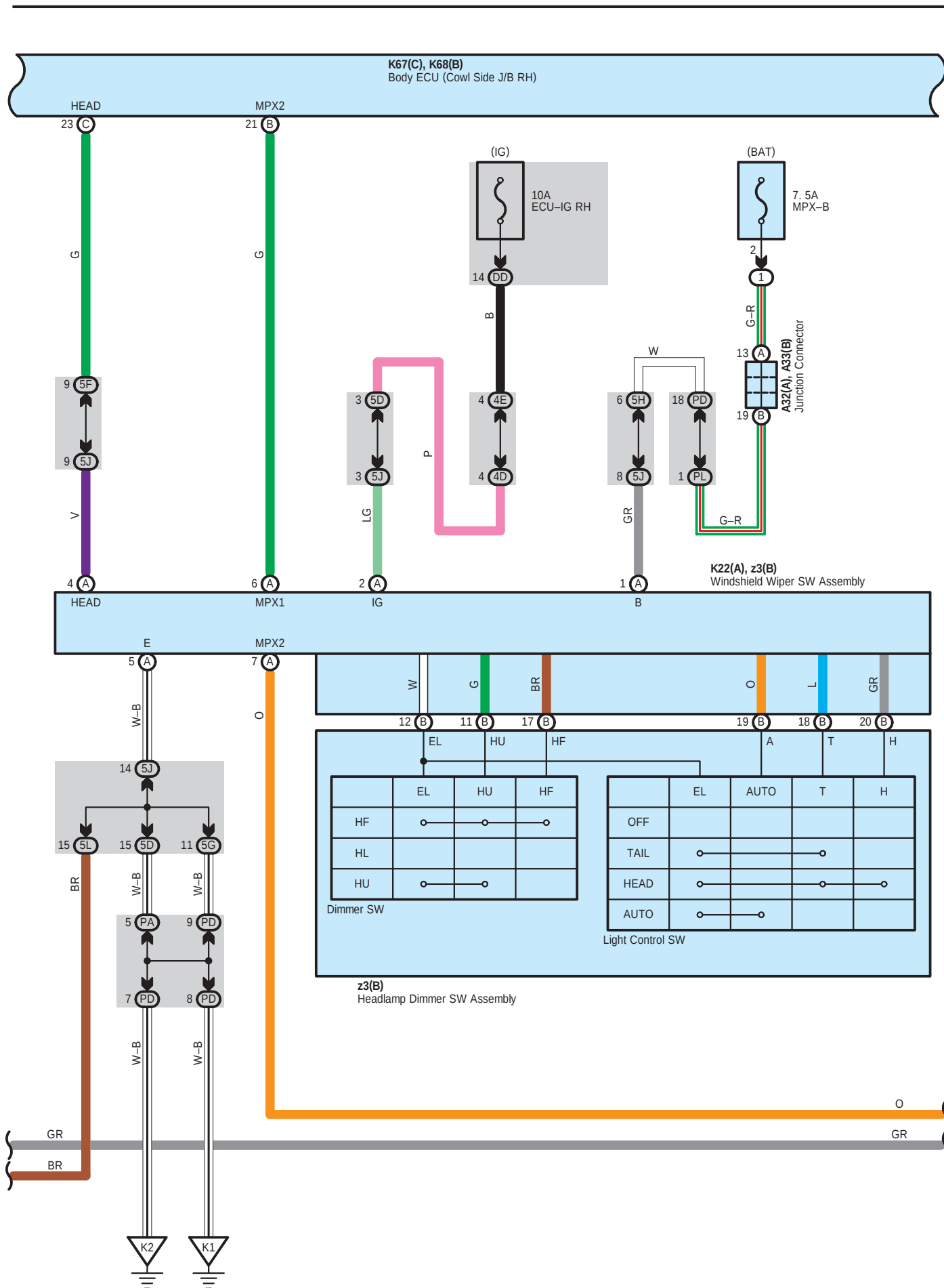




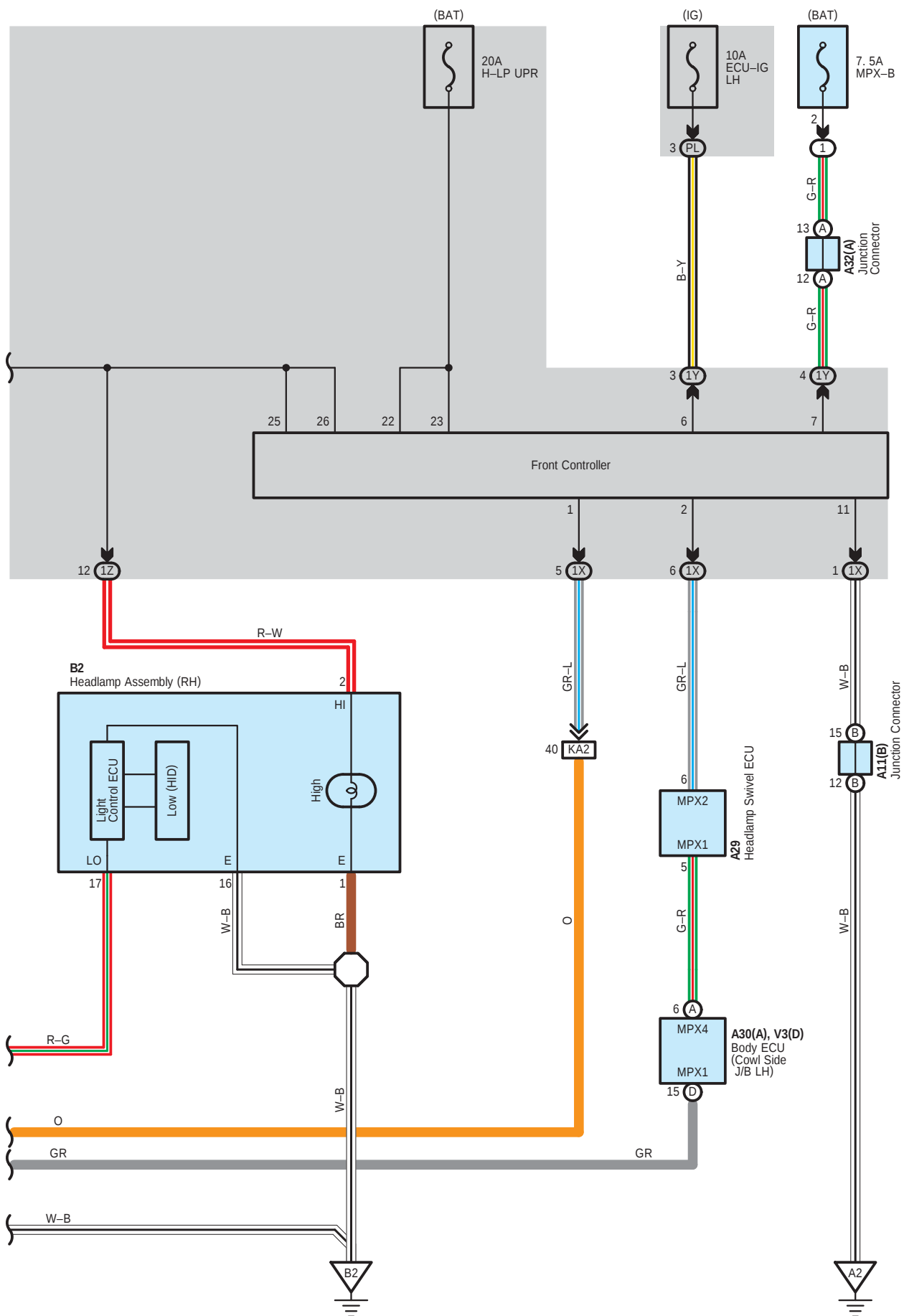
# Headlight

K67(C), K68(B)  
Body ECU (Cowl Side J/B RH)









# Headlight

## : Parts Location

| Code |   | See Page | Code |   | See Page | Code |   | See Page |
|------|---|----------|------|---|----------|------|---|----------|
| A11  | B | 80       | K12  |   | 85       | K83  | A | 78, 86   |
| A29  |   | 84       | K22  | A | 85       | K84  | B | 78, 86   |
| A30  | A | 84       | K31  | A | 85       | K95  |   | 86       |
| A31  |   | 84       | K44  |   | 86       | V3   | D | 87       |
| A32  | A | 84       | K45  |   | 86       | V26  | A | 91       |
| A33  | B | 84       | K52  |   | 86       | V27  | B | 91       |
| A54  |   | 80       | K66  |   | 86       | z2   | B | 87       |
| B2   |   | 82       | K67  | C | 86       | z3   | B | 87       |
| B11  |   | 82       | K68  | B | 86       |      |   |          |

## : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location)            |
|------|----------|------------------------------------------------|
| 1    | 24       | 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)                                       |
|------|----------|--------------------------------------------------------------------------------------------|
| 1F   | 27       | Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment left)                   |
| 1X   | 29       |                                                                                            |
| 1Y   |          |                                                                                            |
| 1Z   | 29       | Engine Room No.2 Wire and Engine Room J/B No.2 (Engine Compartment left)                   |
| 4A   | 70       | Instrument Panel Wire and Center J/B RH (Right Side of the Instrument Panel Reinforcement) |
| 4C   |          |                                                                                            |
| 4D   |          |                                                                                            |
| 4E   |          |                                                                                            |
| 4F   |          |                                                                                            |
| 4I   |          |                                                                                            |
| 4J   |          |                                                                                            |
| 4K   |          |                                                                                            |
| 5D   | 66       | Instrument Panel Wire and Center J/B LH (Right Side of the Instrument Panel Reinforcement) |
| 5F   |          |                                                                                            |
| 5G   |          |                                                                                            |
| 5H   |          |                                                                                            |
| 5J   |          |                                                                                            |
| 5L   |          |                                                                                            |
| DA   | 55       | Instrument Panel Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| DD   |          |                                                                                            |
| DK   | 56       | Engine Room Main Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| DL   |          |                                                                                            |
| LC   | 63       | Floor No.2 Wire and Luggage Room J/B (Left Side of the Quarter Panel )                     |
| PA   | 49       | Instrument Panel Wire and Cowl Side J/B LH (Lower Finish Panel)                            |
| PD   |          |                                                                                            |
| PJ   | 50       | Floor No.2 Wire and Cowl Side J/B LH (Lower Finish Panel)                                  |
| PL   | 50       | Engine Room Main Wire and Cowl Side J/B LH (Lower Finish Panel)                            |

## : Connector Joining Wire Harness and Wire Harness

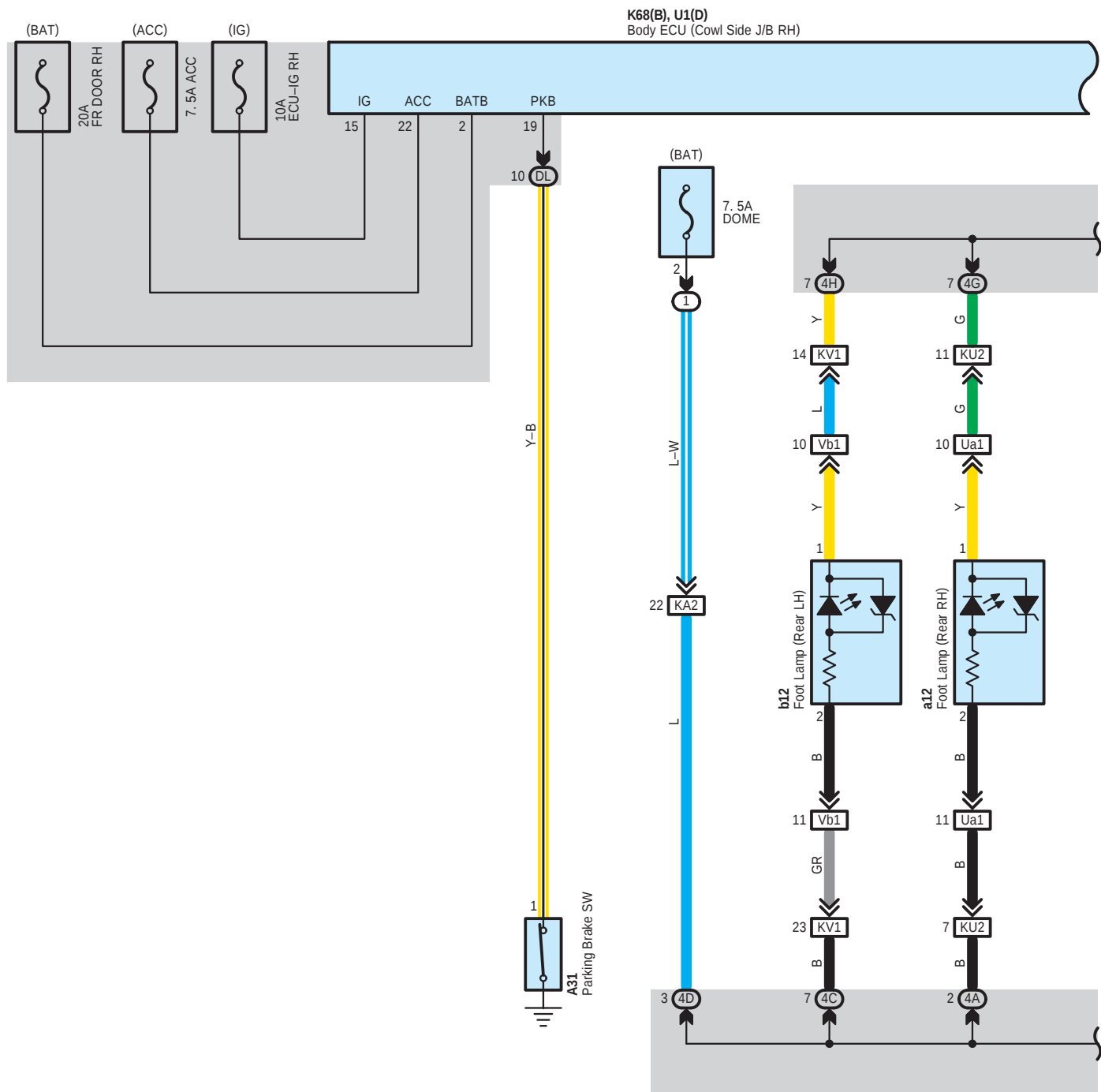
| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location)                            |
|------|----------|---------------------------------------------------------------------------------------|
| BA3  | 96       | Engine Room No.2 Wire and Engine Room Main Wire (Inside of the Engine Room R/B No.2 ) |
| KA2  | 97       | Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)                     |
| KA3  | 97       | Instrument Panel Wire and Engine Room Main Wire (Right Kick Panel)                    |
| KU2  | 97       | Instrument Panel Wire and Floor No.1 Wire (Right Kick Panel)                          |
| KV1  | 97       | Instrument Panel Wire and Floor No.2 Wire (Left Kick Panel)                           |
| UV1  | 98       | Floor No.1 Wire and Floor No.2 Wire (Center of the Rear Floor Partition Panel)        |

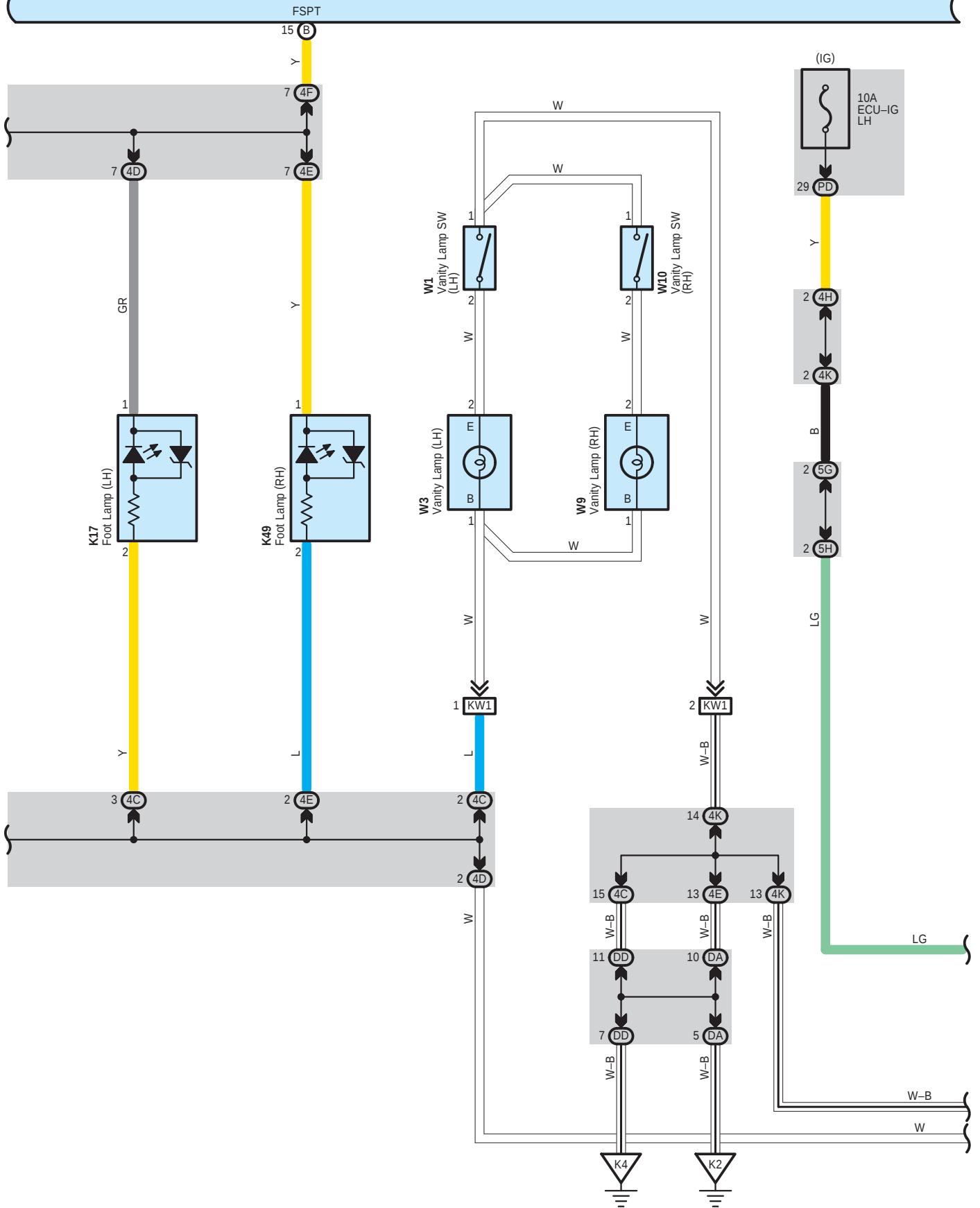


: Ground Points

| Code | See Page | Ground Points Location       |
|------|----------|------------------------------|
| A2   | 96       | Front Left Fender Apron      |
| B1   | 96       | Near the Headlamp RH         |
| B2   | 96       | Near the Headlamp LH         |
| K1   | 97       | Left Kick Panel              |
| K2   | 97       | Left Side of the Shift Lever |
| K4   | 97       | Right Kick Panel             |

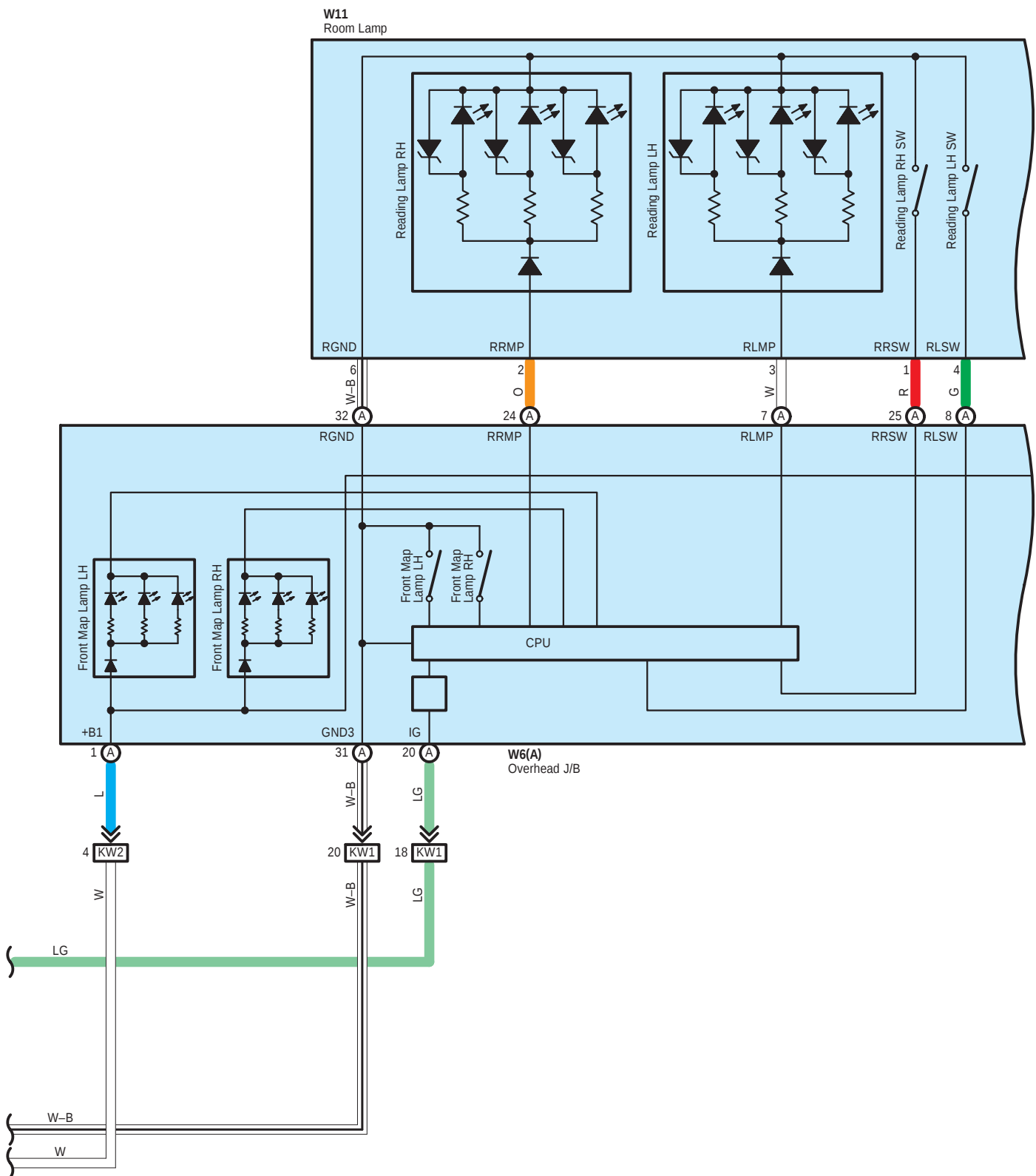
# Interior Light



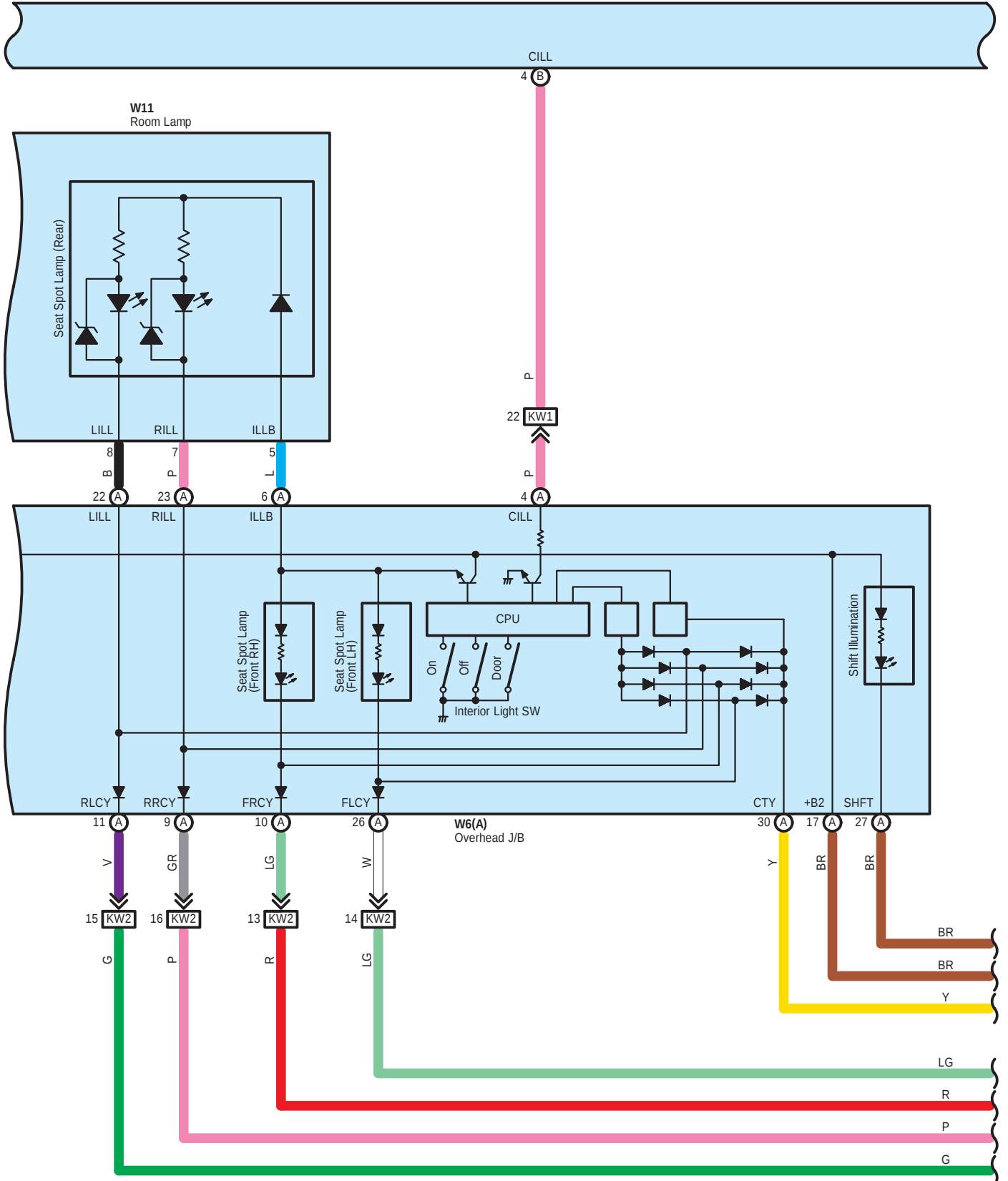


# Interior Light

K68(B), U1(D)  
Body ECU (Cowl Side J/B RH)



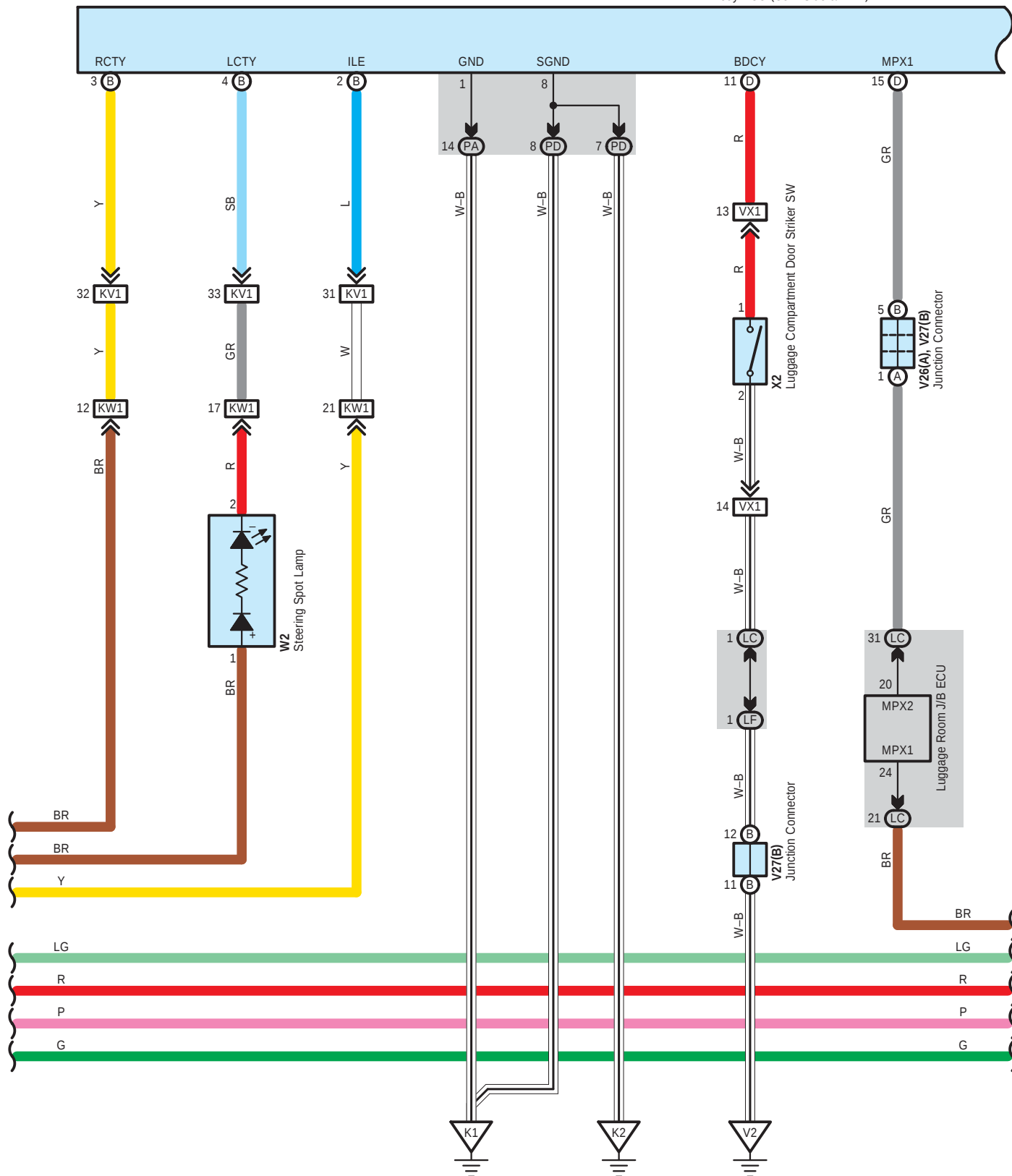
K68(B), U1(D)  
Body ECU (Cowl Side J/B RH)

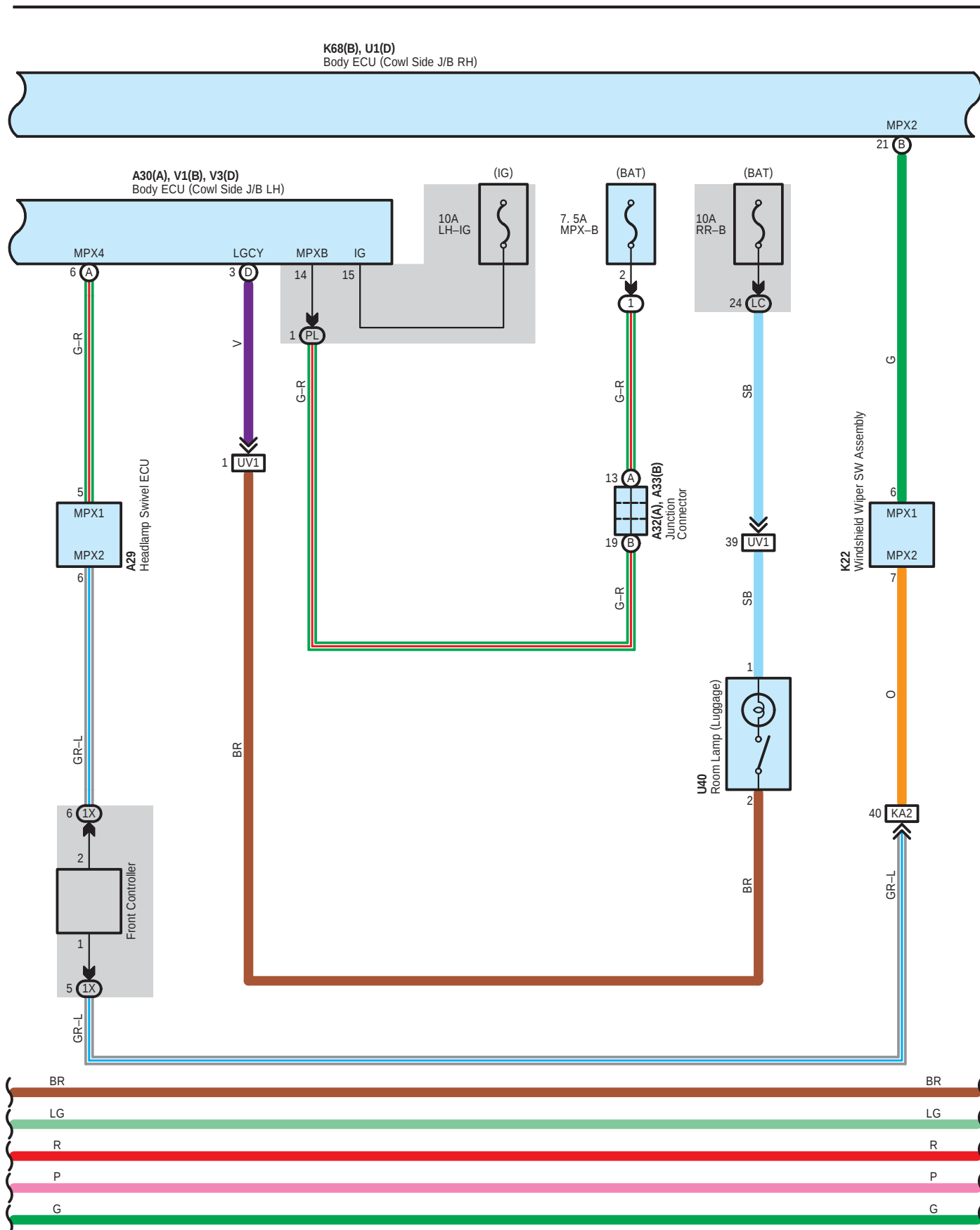


# Interior Light

K68(B), U1(D)  
Body ECU (Cowl Side J/B RH)

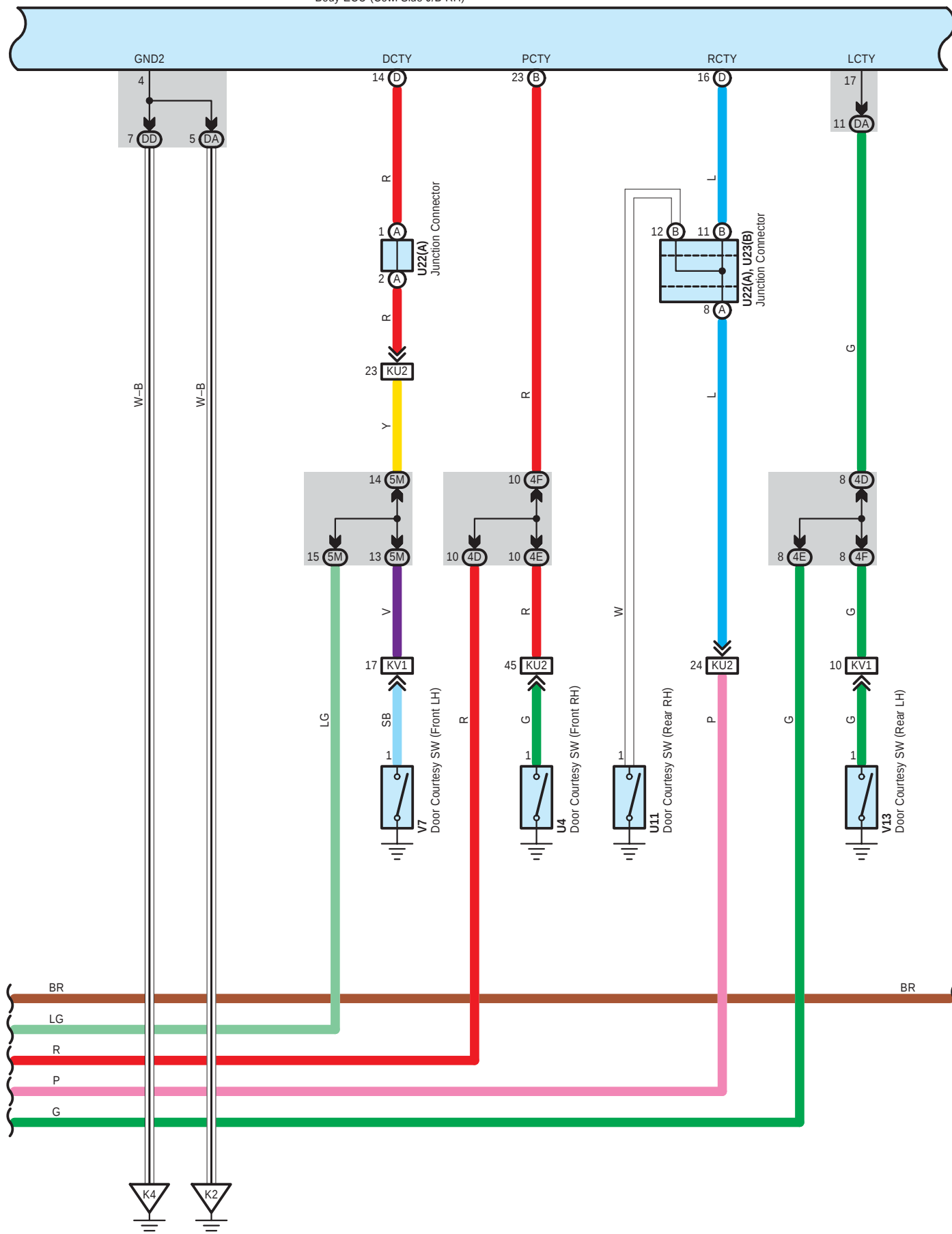
A30(A), V1(B), V3(D)  
Body ECU (Cowl Side J/B LH)

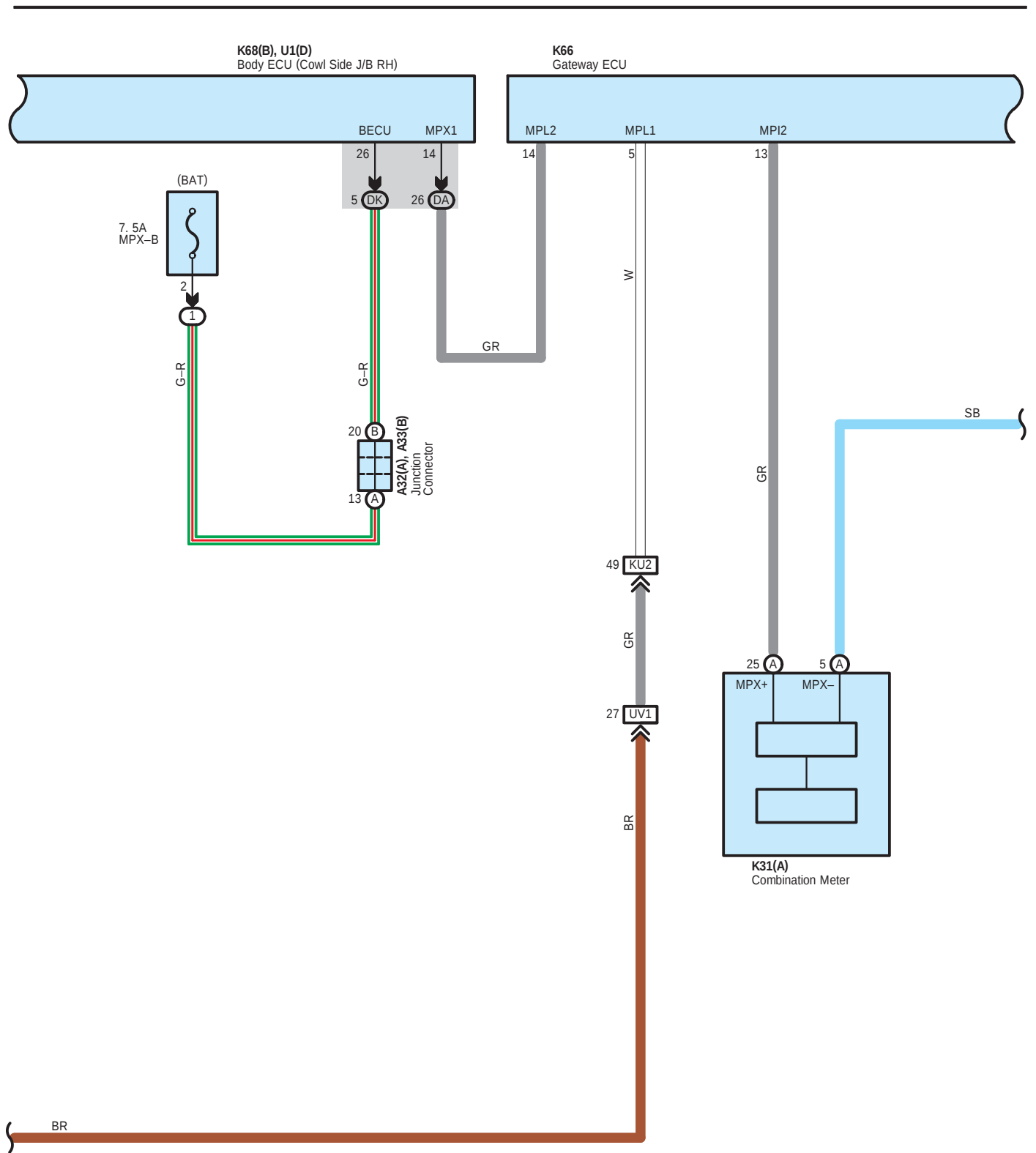




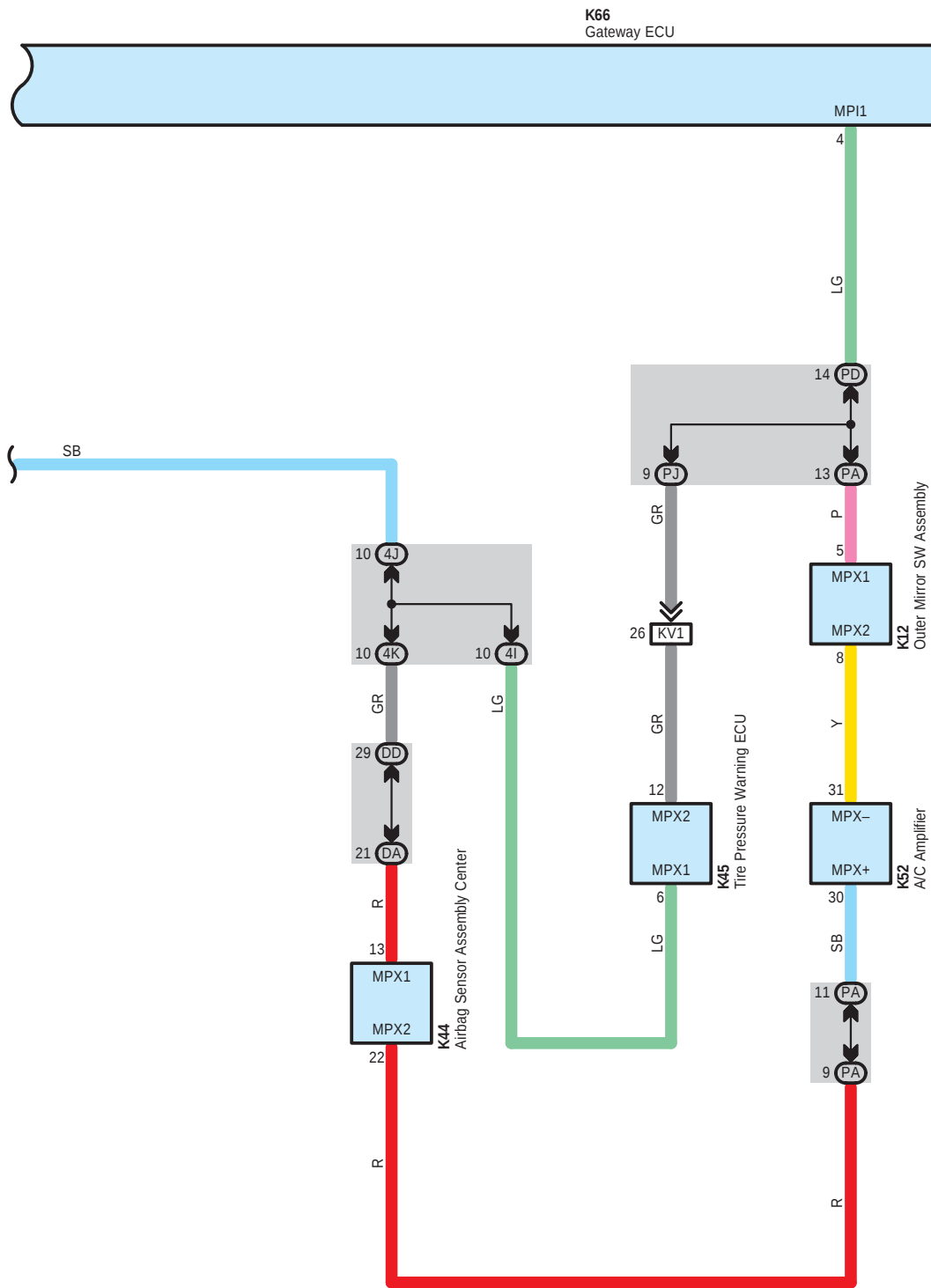
# Interior Light

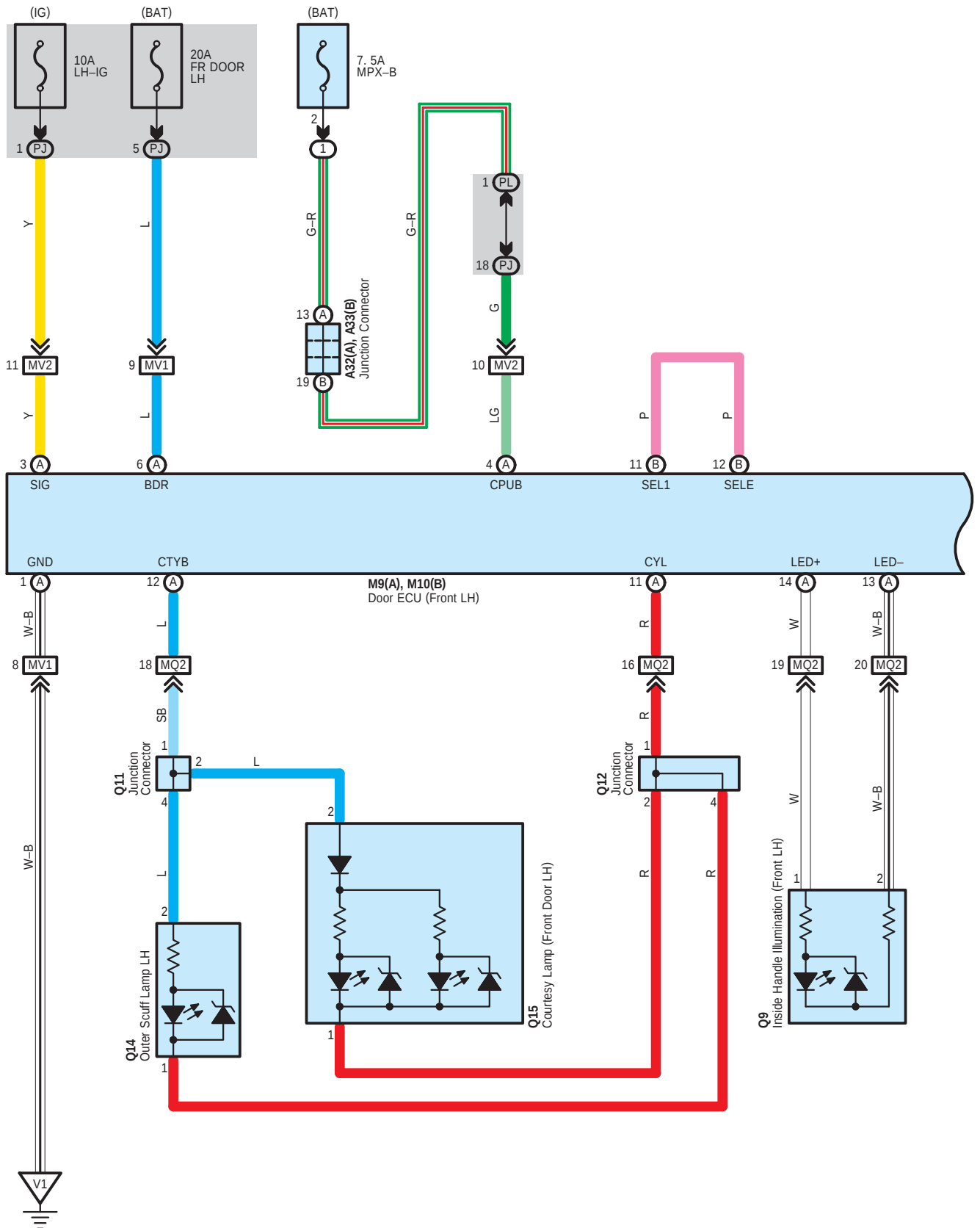
K68(B), U1(D)  
Body ECU (Cowl Side J/B RH)

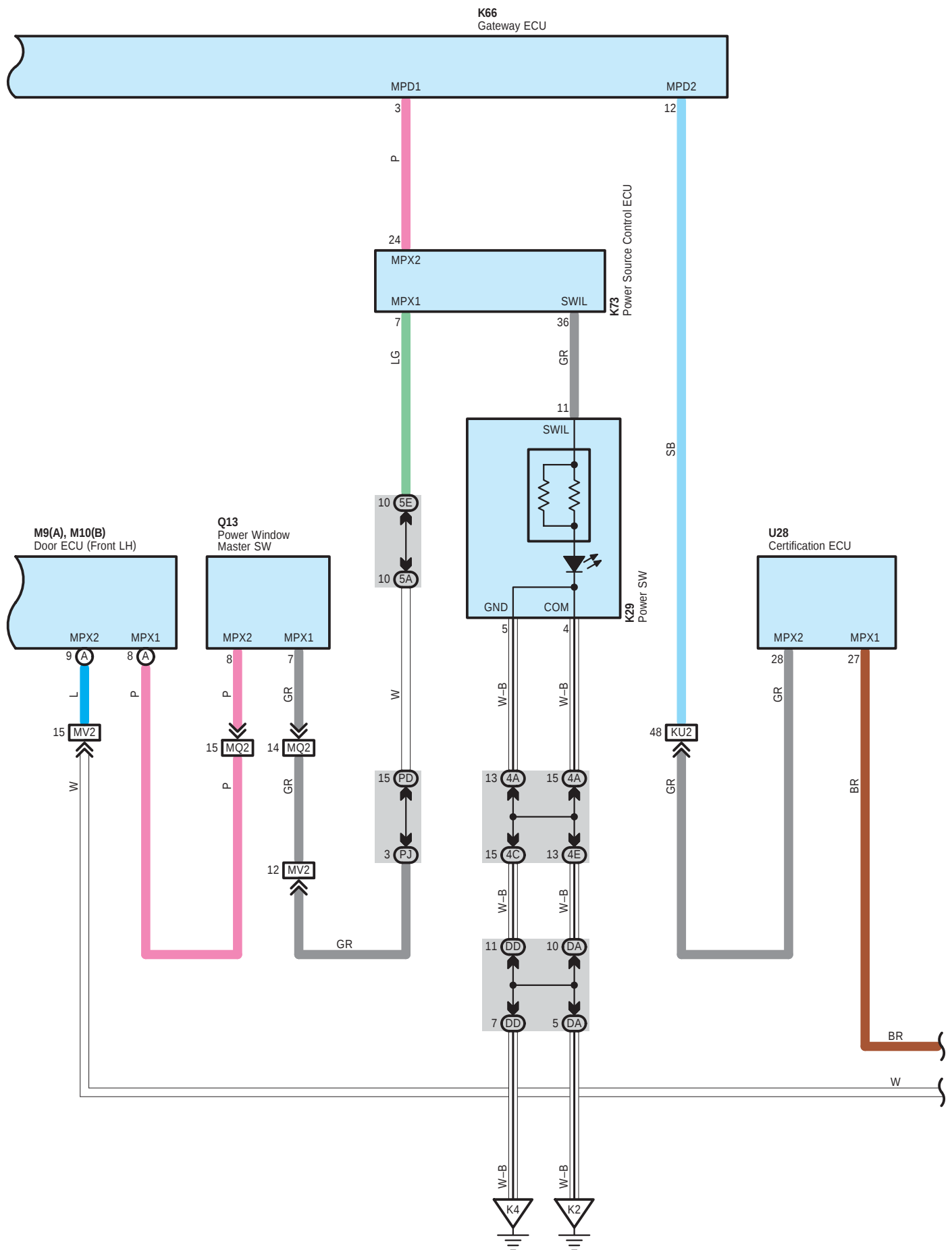


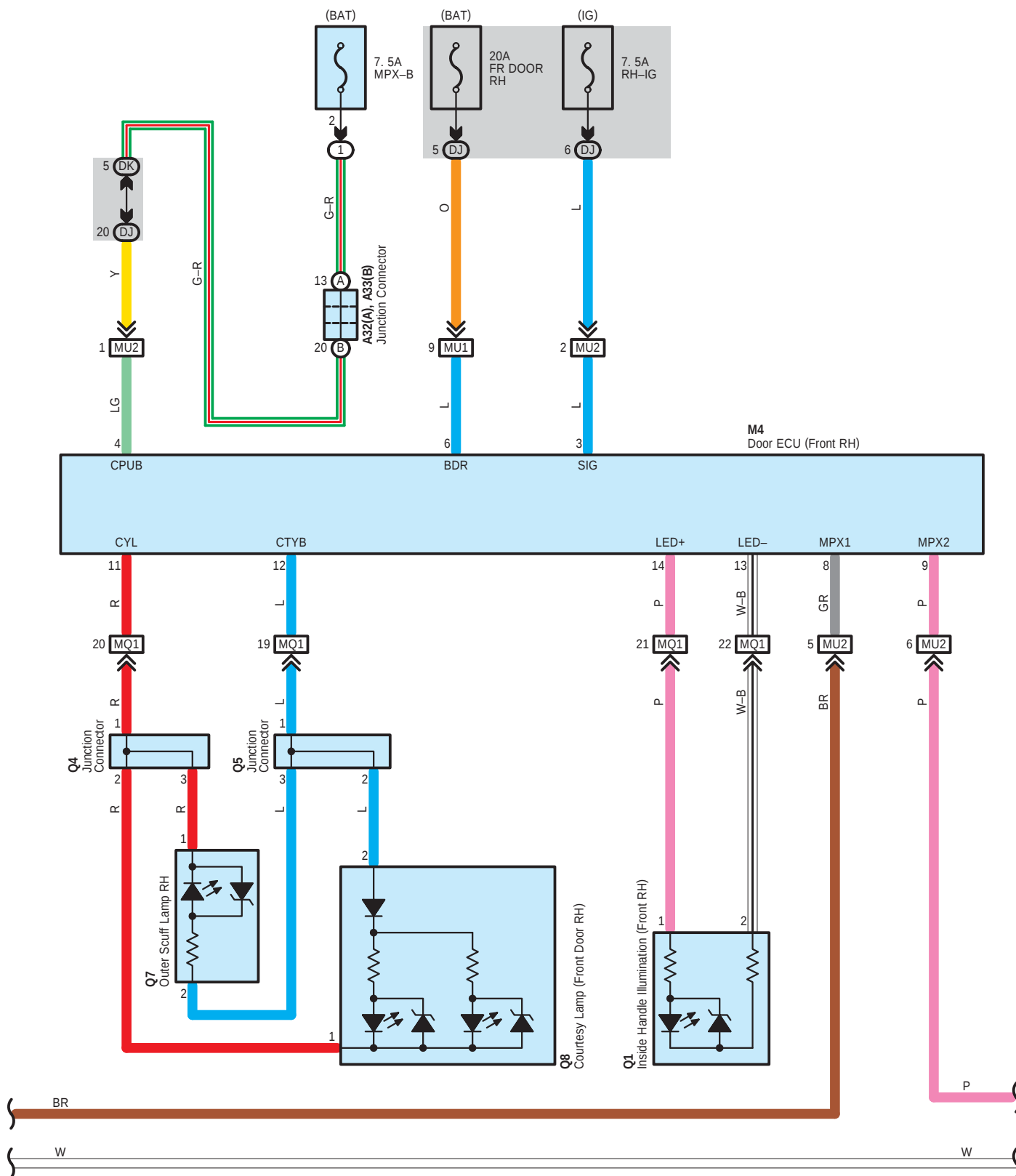


# Interior Light

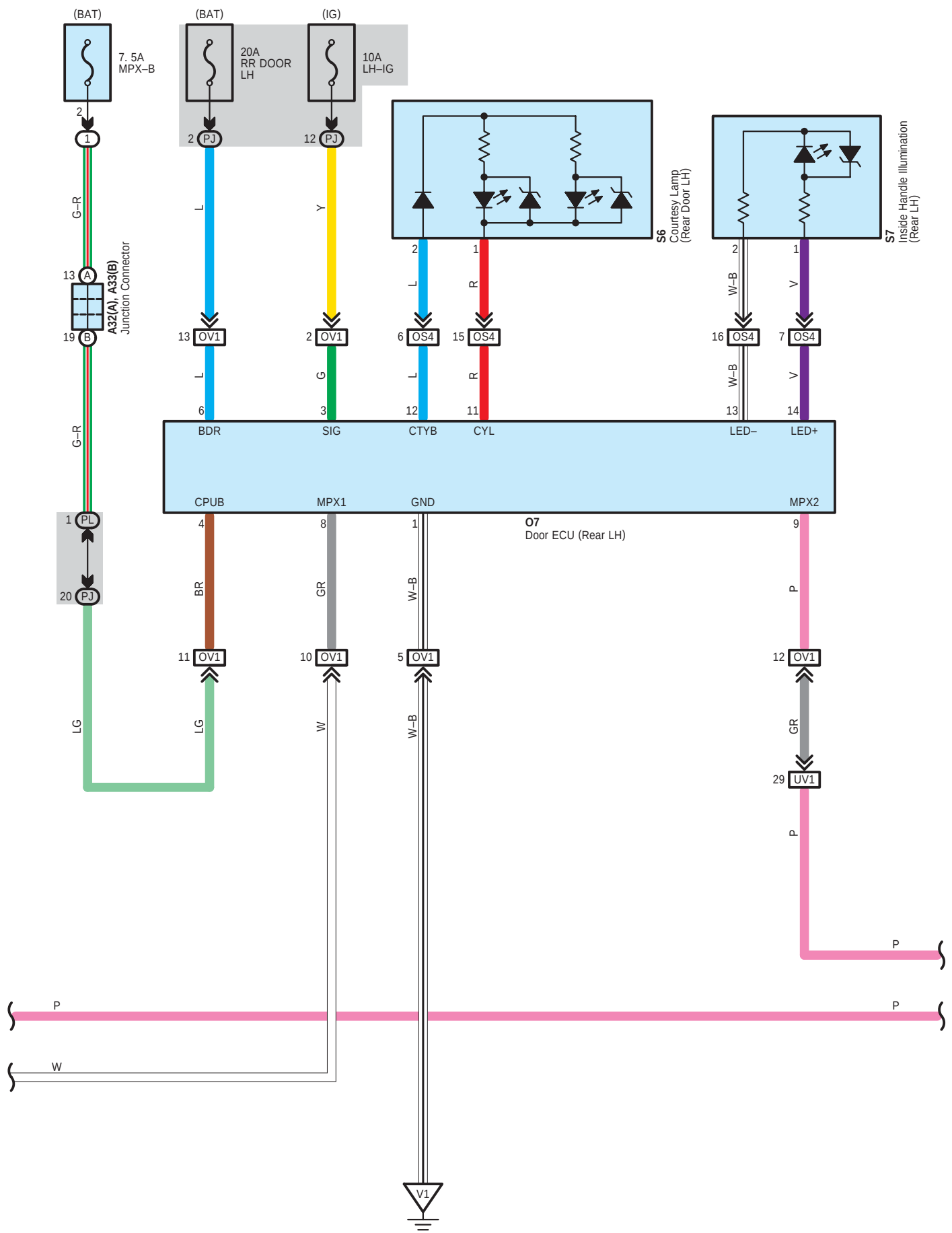


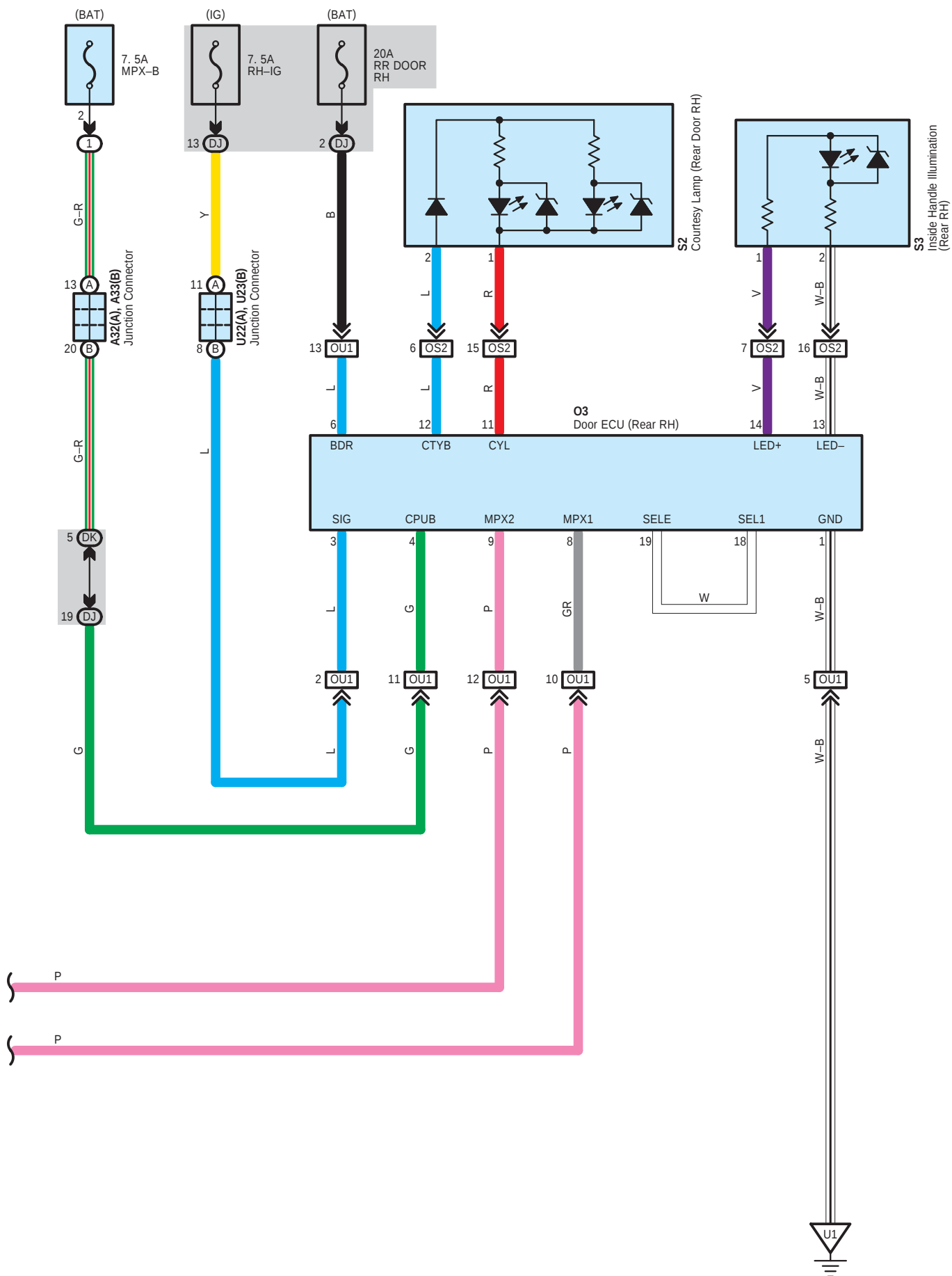






# Interior Light





## Interior Light

### ○ : Parts Location

| Code | See Page | Code | See Page | Code | See Page |
|------|----------|------|----------|------|----------|
| A29  | 84       | O3   | 88       | U22  | A 90     |
| A30  | A 84     | O7   | 88       | U23  | B 90     |
| A31  | 84       | Q1   | 89       | U28  | 90       |
| A32  | A 84     | Q4   | 89       | U40  | 90       |
| A33  | B 84     | Q5   | 89       | V1   | B 87     |
| K12  | 85       | Q7   | 89       | V3   | D 87     |
| K17  | 85       | Q8   | 89       | V7   | 91       |
| K22  | 85       | Q9   | 89       | V13  | 91       |
| K29  | 85       | Q11  | 89       | V26  | A 91     |
| K31  | A 85     | Q12  | 89       | V27  | B 91     |
| K44  | 86       | Q13  | 89       | W1   | 92       |
| K45  | 86       | Q14  | 89       | W2   | 92       |
| K49  | 86       | Q15  | 89       | W3   | 92       |
| K52  | 86       | S2   | 89       | W6   | A 92     |
| K66  | 86       | S3   | 89       | W9   | 92       |
| K68  | B 86     | S6   | 89       | W10  | 92       |
| K73  | 86       | S7   | 89       | W11  | 92       |
| M4   | 88       | U1   | D 87     | X2   | 92       |
| M9   | A 88     | U4   | 90       | a12  | 94       |
| M10  | B 88     | U11  | 90       | b12  | 94       |

### ○ : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location)            |
|------|----------|------------------------------------------------|
| 1    | 24       | 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)                                       |
|------|----------|--------------------------------------------------------------------------------------------|
| 1X   | 29       | Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment left)                   |
| 4A   | 70       | Instrument Panel Wire and Center J/B RH (Right Side of the Instrument Panel Reinforcement) |
| 4C   |          |                                                                                            |
| 4D   |          |                                                                                            |
| 4E   |          |                                                                                            |
| 4F   |          |                                                                                            |
| 4G   |          |                                                                                            |
| 4H   |          |                                                                                            |
| 4I   |          |                                                                                            |
| 4J   |          |                                                                                            |
| 4K   |          |                                                                                            |
| 5A   | 66       | Instrument Panel Wire and Center J/B LH (Right Side of the Instrument Panel Reinforcement) |
| 5E   |          |                                                                                            |
| 5G   |          |                                                                                            |
| 5H   |          |                                                                                            |
| 5M   |          |                                                                                            |
| DA   | 55       | Instrument Panel Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| DD   |          |                                                                                            |
| DJ   | 56       | Floor Wire and Cowl Side J/B RH (Behind the Glove Box)                                     |
| DK   | 56       | Engine Room Main Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| DL   |          |                                                                                            |
| LC   | 63       | Floor No.2 Wire and Luggage Room J/B (Left Side of the Quarter Panel )                     |
| LF   |          |                                                                                            |
| PA   | 49       | Instrument Panel Wire and Cowl Side J/B LH (Lower Finish Panel)                            |
| PD   |          |                                                                                            |
| PJ   | 50       | Floor No.2 Wire and Cowl Side J/B LH (Lower Finish Panel)                                  |
| PL   | 50       | Engine Room Main Wire and Cowl Side J/B LH (Lower Finish Panel)                            |



**: Connector Joining Wire Harness and Wire Harness**

| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location)                     |
|------|----------|--------------------------------------------------------------------------------|
| KA2  | 97       | Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)              |
| KU2  | 97       | Instrument Panel Wire and Floor No.1 Wire (Right Kick Panel)                   |
| KV1  | 97       | Instrument Panel Wire and Floor No.2 Wire (Left Kick Panel)                    |
| KW1  | 97       | Instrument Panel Wire and Roof Wire (Left Side of the Instrument Panel)        |
| KW2  |          |                                                                                |
| MQ1  | 98       | Front Door RH Wire and Front Door RH No.2 Wire (Front Door Inner Panel RH)     |
| MQ2  | 98       | Front Door LH Wire and Front Door LH No.2 Wire (Front Door Inner Panel LH)     |
| MU1  | 97       | Front Door RH Wire and Floor No.1 Wire (Right Kick Panel)                      |
| MU2  |          |                                                                                |
| MV1  | 97       | Front Door LH Wire and Floor No.2 Wire (Left Kick Panel)                       |
| MV2  |          |                                                                                |
| OS2  | 98       | Rear Door No.1 Wire and Rear Door RH Wire (Front Door Inner Panel RH)          |
| OS4  | 98       | Rear Door No.2 Wire and Rear Door LH Wire (Rear Door Inner Panel LH)           |
| OU1  | 98       | Rear Door No.1 Wire and Floor No.1 Wire (Right Center Pillar)                  |
| OV1  | 98       | Rear Door No.2 Wire and Floor No.2 Wire (Left Center Pillar)                   |
| UV1  | 98       | Floor No.1 Wire and Floor No.2 Wire (Center of the Rear Floor Partition Panel) |
| Ua1  | 99       | Floor No.1 Wire and Front Seat RH Wire (Under the Front Passenger's Seat)      |
| VX1  | 98       | Floor No.2 Wire and Luggage Room Wire (Quarter Wheel House Inner Panel LH)     |
| Vb1  | 99       | Floor No.2 Wire and Front Seat LH Wire (Under the Driver's Seat)               |

## Interior Light

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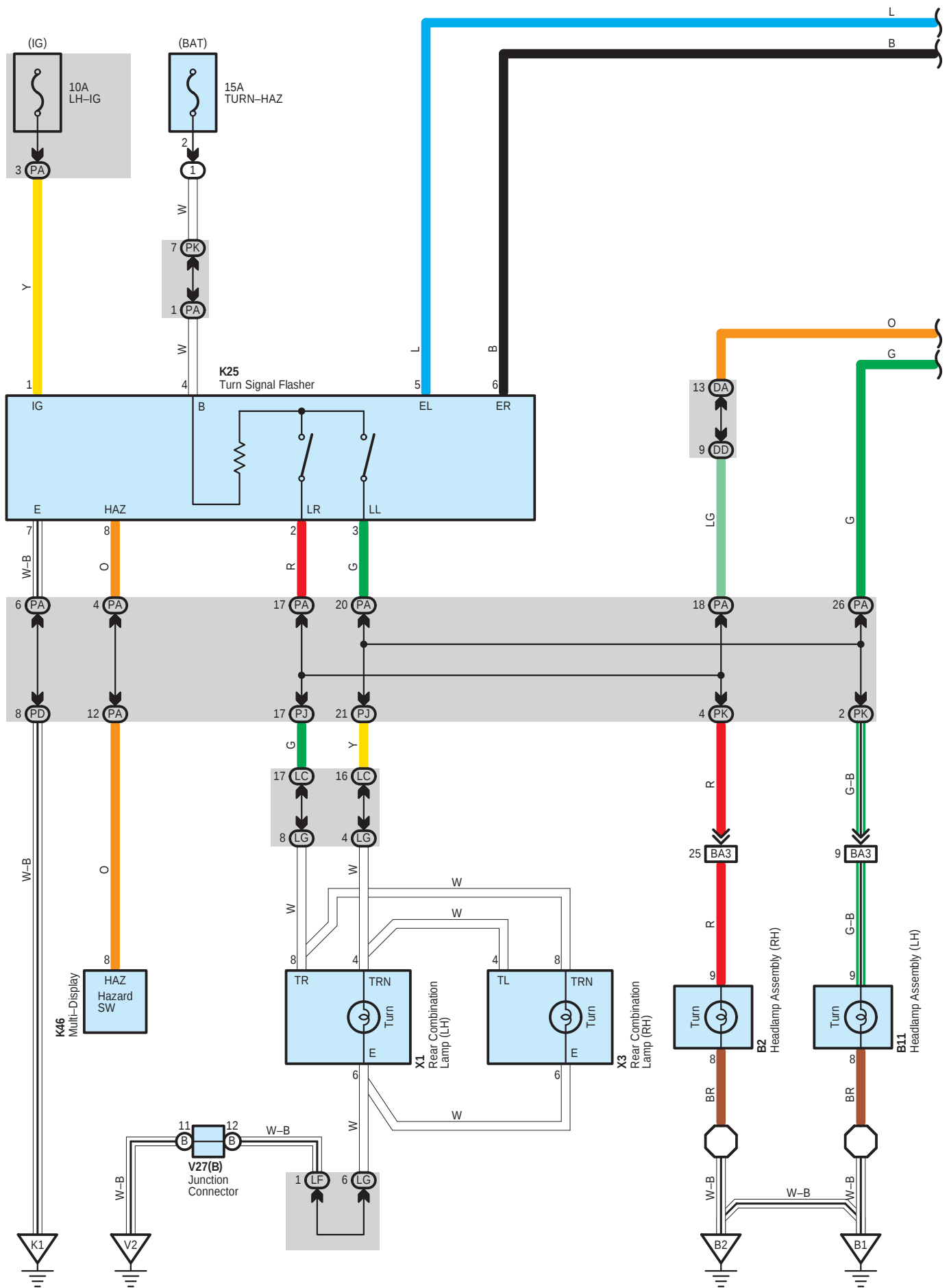


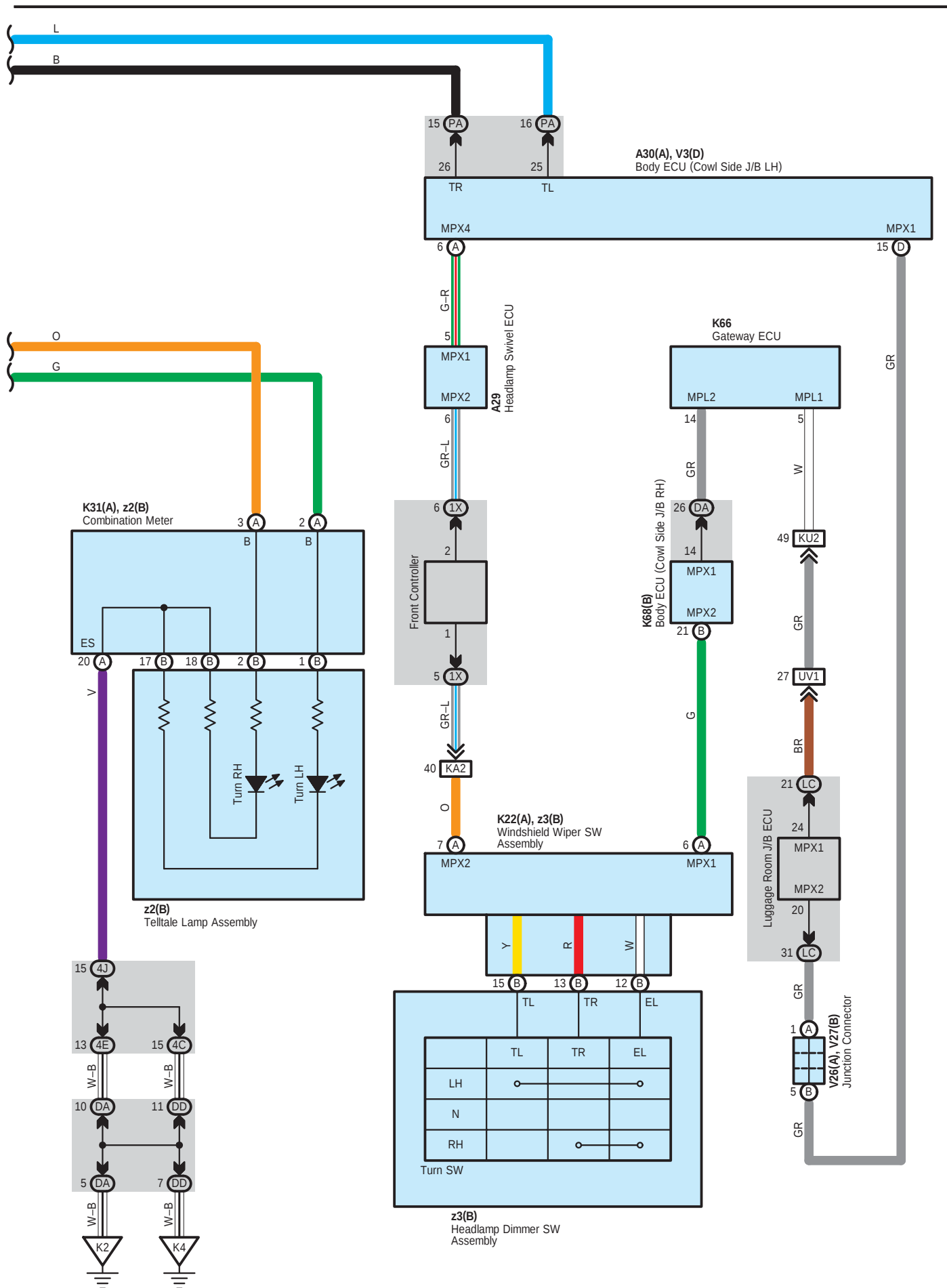
: Ground Points

| Code | See Page | Ground Points Location           |
|------|----------|----------------------------------|
| K1   | 97       | Left Kick Panel                  |
| K2   | 97       | Left Side of the Shift Lever     |
| K4   | 97       | Right Kick Panel                 |
| U1   | 98       | Under the Front Passenger's Seat |
| V1   | 98       | Under the Driver's Seat          |
| V2   | 98       | Roof Side Inner Panel LH         |



# Turn Signal and Hazard Warning Light





# Turn Signal and Hazard Warning Light

## : Parts Location

| Code |   | See Page |  | Code |   | See Page |  | Code |   | See Page |  |
|------|---|----------|--|------|---|----------|--|------|---|----------|--|
| A29  |   | 84       |  | K31  | A | 85       |  | V27  | B | 91       |  |
| A30  | A | 84       |  | K46  |   | 86       |  | X1   |   | 92       |  |
| B2   |   | 82       |  | K66  |   | 86       |  | X3   |   | 92       |  |
| B11  |   | 82       |  | K68  | B | 86       |  | z2   | B | 87       |  |
| K22  | A | 85       |  | V3   | D | 87       |  | z3   | B | 87       |  |
| K25  |   | 85       |  | V26  | A | 91       |  |      |   |          |  |

## : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location)            |
|------|----------|------------------------------------------------|
| 1    | 24       | 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)                                       |
|------|----------|--------------------------------------------------------------------------------------------|
| 1X   | 29       | Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment left)                   |
| 4C   | 70       | Instrument Panel Wire and Center J/B RH (Right Side of the Instrument Panel Reinforcement) |
| 4E   |          |                                                                                            |
| 4J   |          |                                                                                            |
| DA   | 55       | Instrument Panel Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| DD   |          |                                                                                            |
| LC   | 63       | Floor No.2 Wire and Luggage Room J/B (Left Side of the Quarter Panel )                     |
| LF   |          |                                                                                            |
| LG   | 62       | Luggage Room Wire and Luggage Room J/B (Left Side of the Quarter Panel )                   |
| PA   | 49       | Instrument Panel Wire and Cowl Side J/B LH (Lower Finish Panel)                            |
| PD   |          |                                                                                            |
| PJ   | 50       | Floor No.2 Wire and Cowl Side J/B LH (Lower Finish Panel)                                  |
| PK   | 50       | Engine Room Main Wire and Cowl Side J/B LH (Lower Finish Panel)                            |

## : Connector Joining Wire Harness and Wire Harness

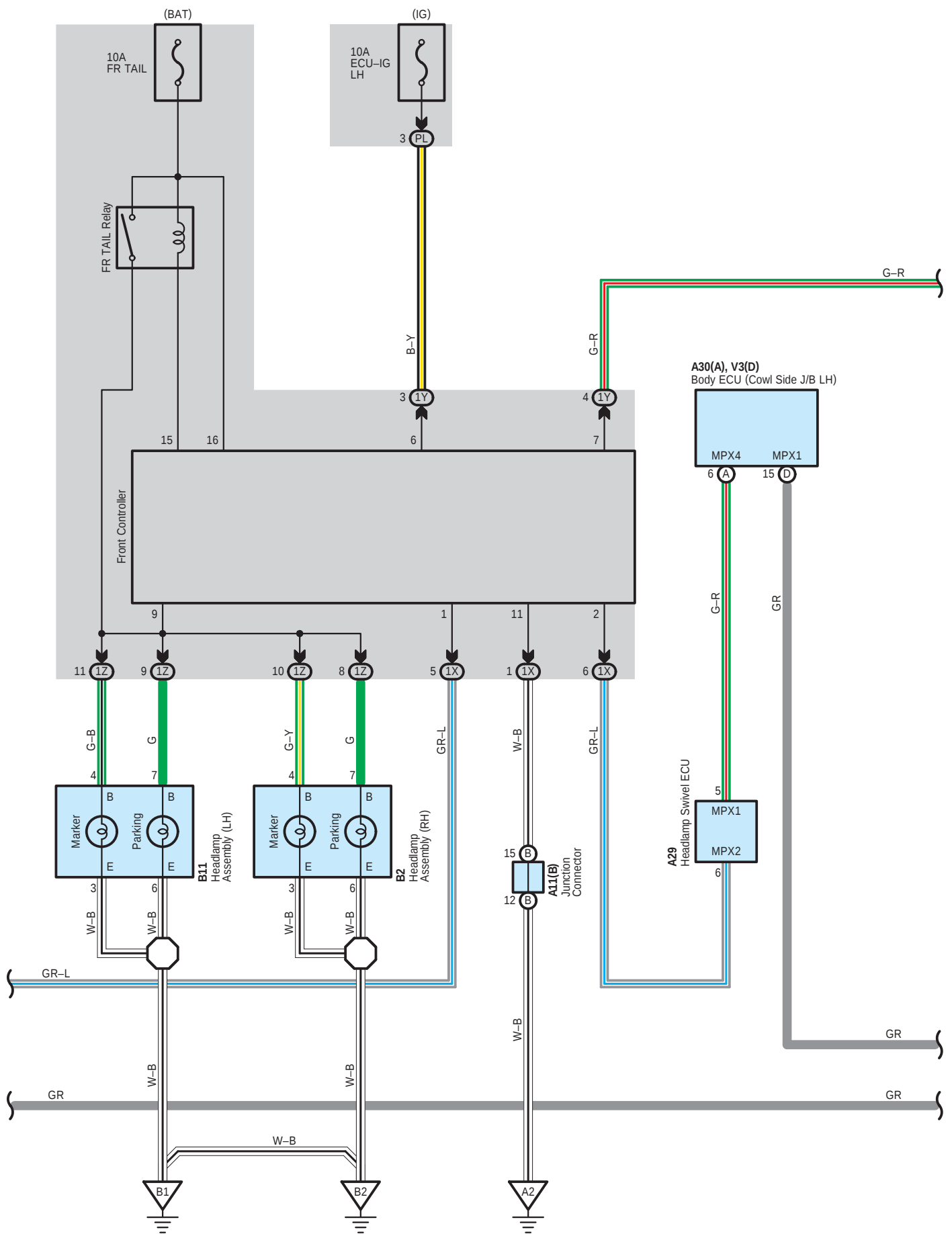
| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location)                            |
|------|----------|---------------------------------------------------------------------------------------|
| BA3  | 96       | Engine Room No.2 Wire and Engine Room Main Wire (Inside of the Engine Room R/B No.2 ) |
| KA2  | 97       | Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)                     |
| KU2  | 97       | Instrument Panel Wire and Floor No.1 Wire (Right Kick Panel)                          |
| UV1  | 98       | Floor No.1 Wire and Floor No.2 Wire (Center of the Rear Floor Partition Panel)        |

## : Ground Points

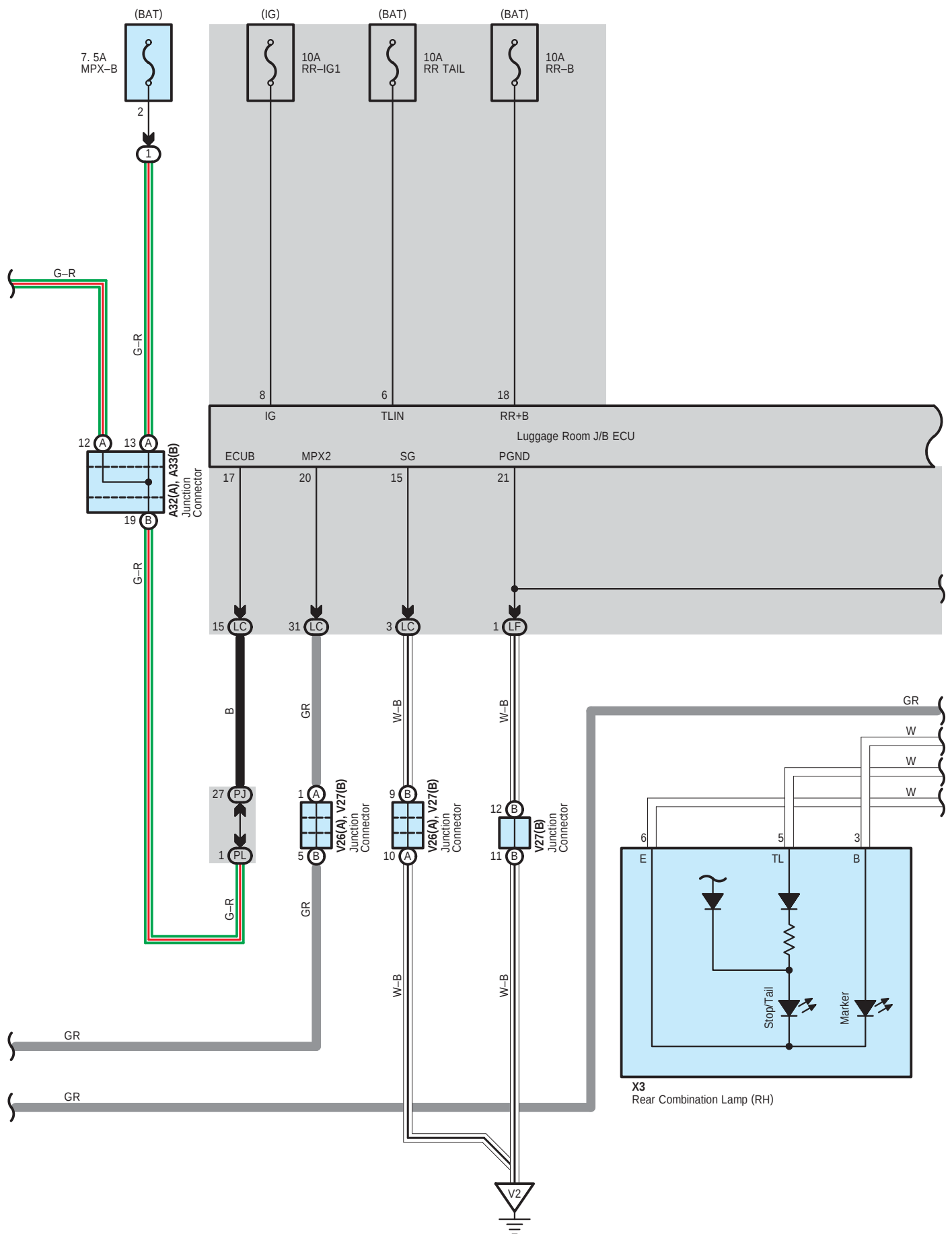
| Code | See Page | Ground Points Location       |
|------|----------|------------------------------|
| B1   | 96       | Near the Headlamp RH         |
| B2   | 96       | Near the Headlamp LH         |
| K1   | 97       | Left Kick Panel              |
| K2   | 97       | Left Side of the Shift Lever |
| K4   | 97       | Right Kick Panel             |
| V2   | 98       | Roof Side Inner Panel LH     |

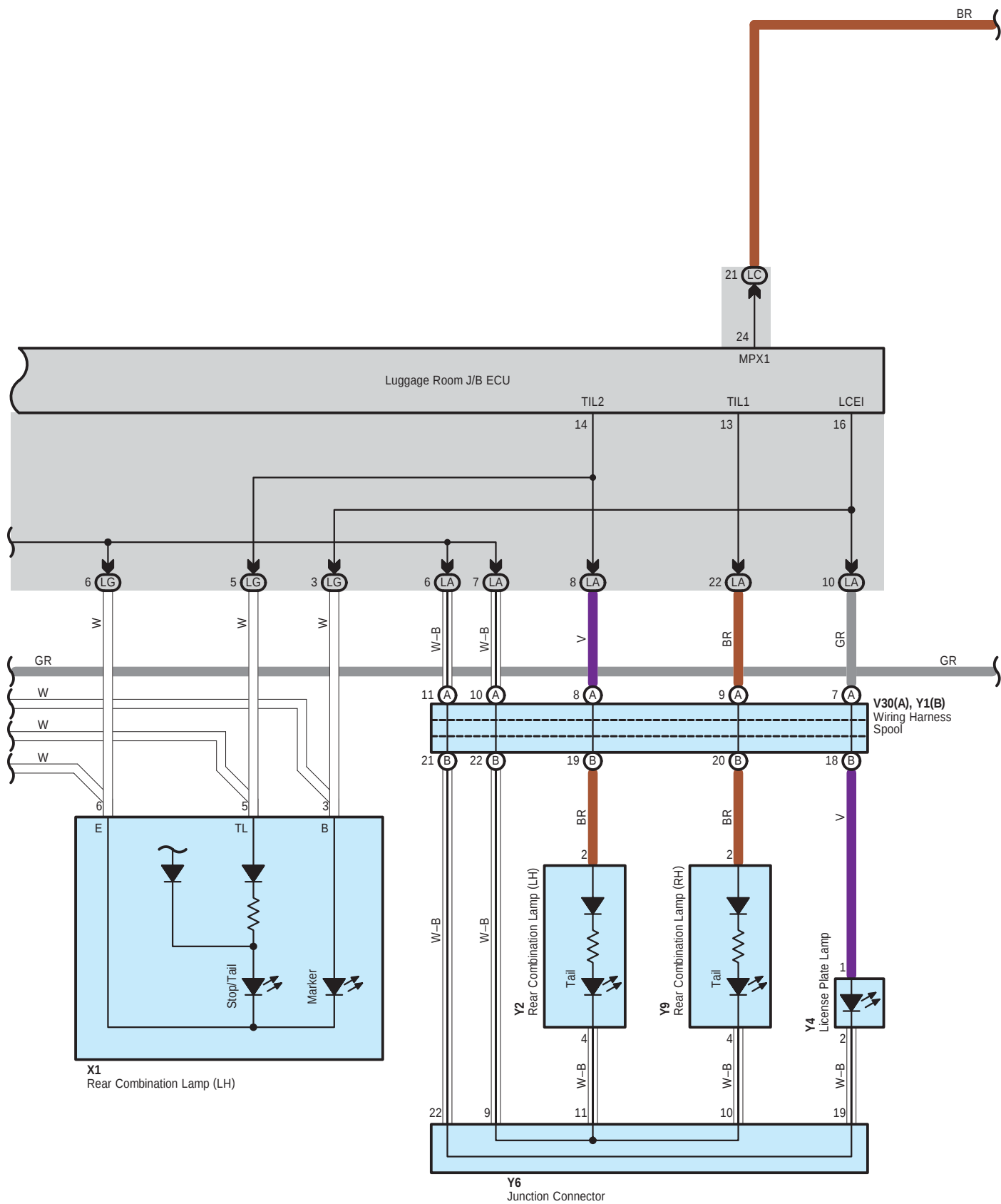


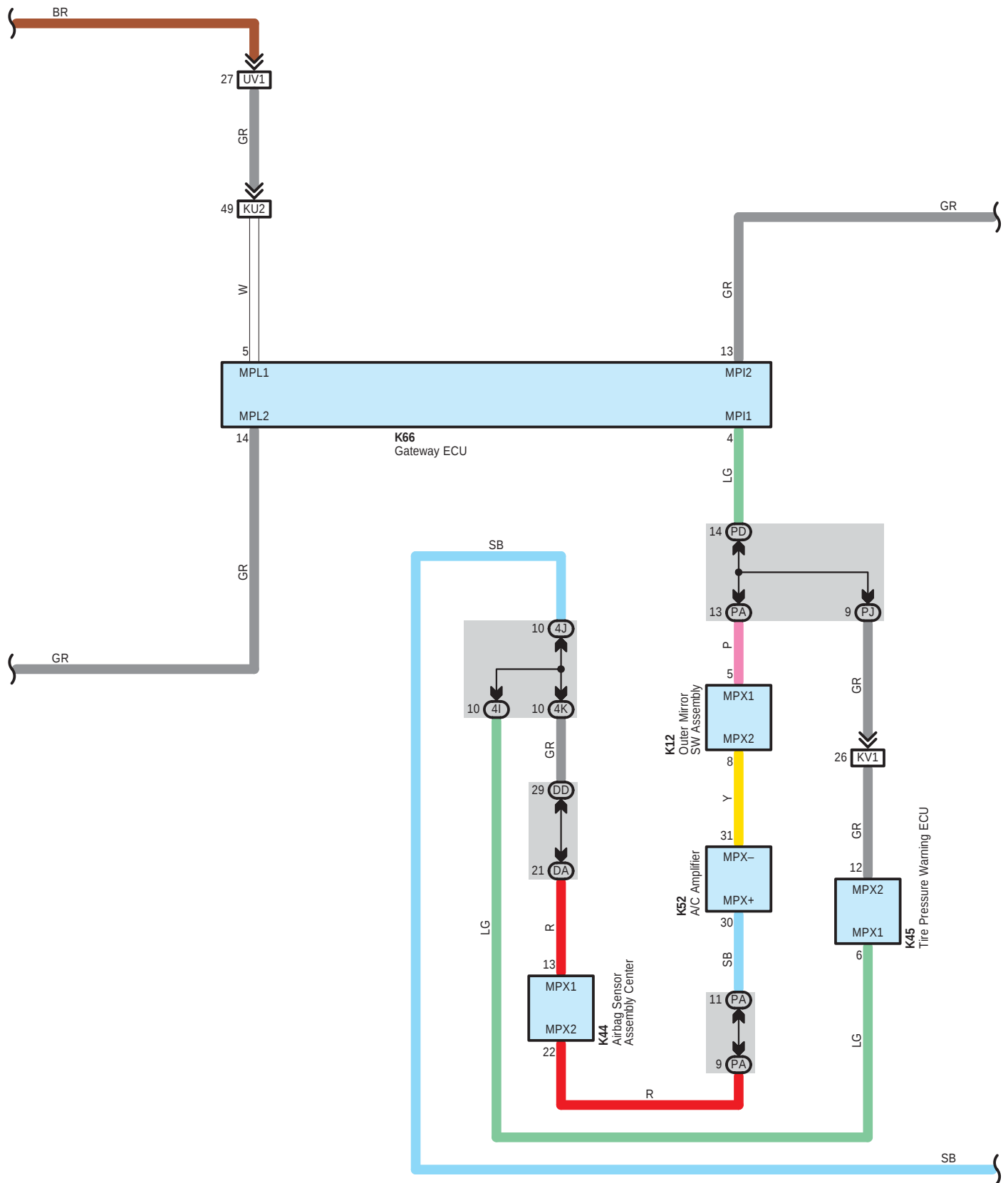


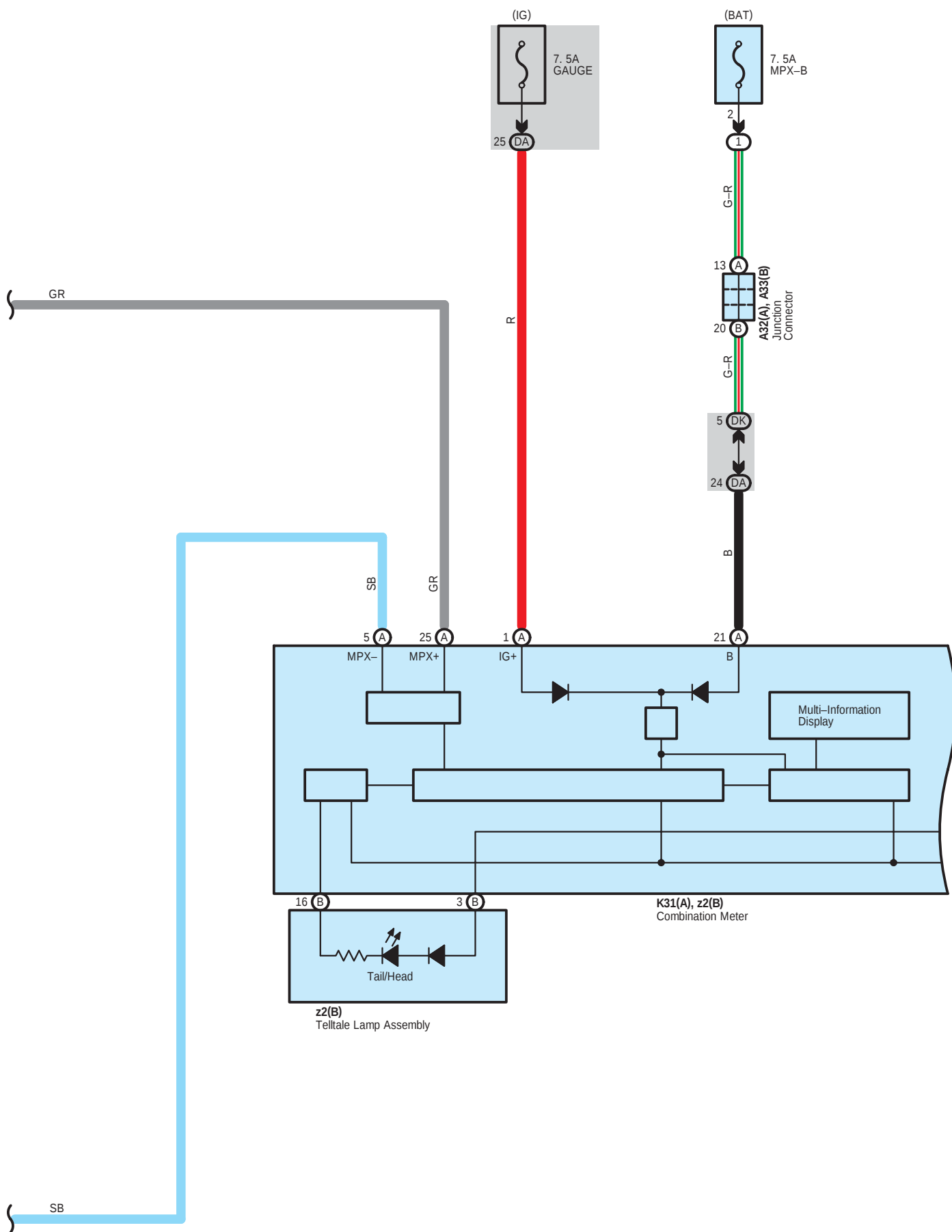


# Taillight

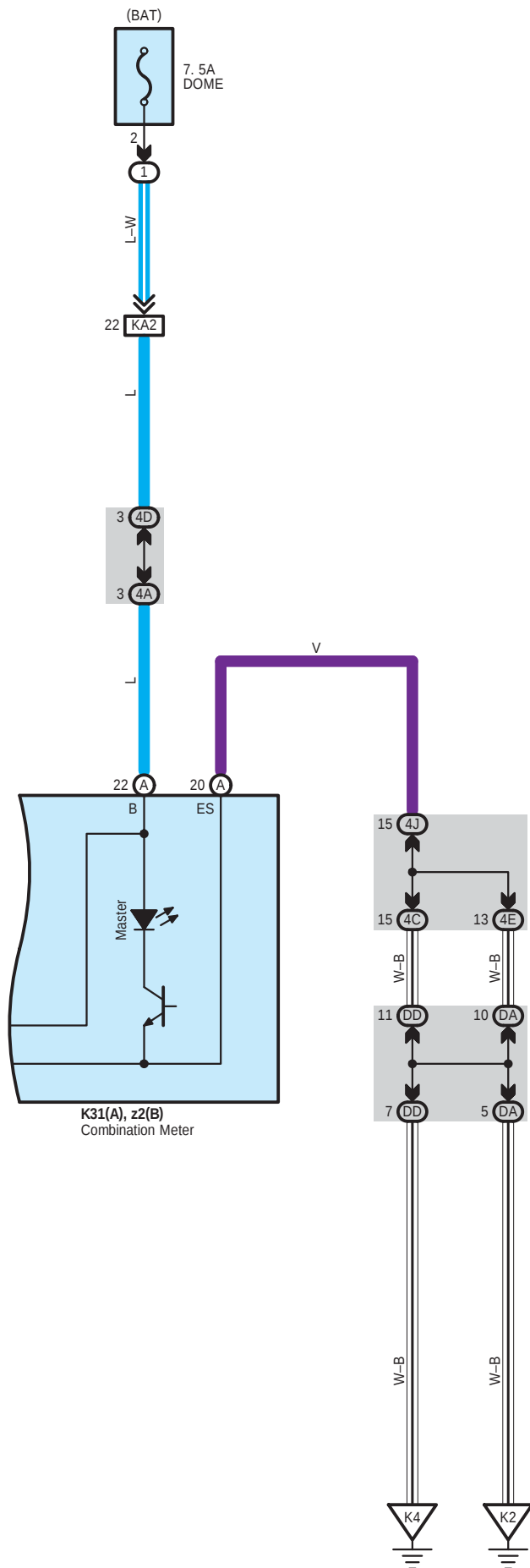








# Taillight



 : Parts Location

| Code |   | See Page | Code |    | See Page | Code |    | See Page |
|------|---|----------|------|----|----------|------|----|----------|
| A11  | B | 80       | K44  | 86 |          | X3   | 92 |          |
| A29  |   | 84       | K45  | 86 |          | Y1   | B  | 92       |
| A30  | A | 84       | K52  | 86 |          | Y2   |    | 92       |
| A32  | A | 84       | K66  | 86 |          | Y4   |    | 92       |
| A33  | B | 84       | K68  | B  | 86       | Y6   |    | 92       |
| B2   |   | 82       | V3   | D  | 87       | Y9   |    | 92       |
| B11  |   | 82       | V26  | A  | 91       | z2   | B  | 87       |
| K12  |   | 85       | V27  | B  | 91       | z3   | B  | 87       |
| K22  | A | 85       | V30  | A  | 91       |      |    |          |
| K31  | A | 85       | X1   | 92 |          |      |    |          |

 : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location)            |
|------|----------|------------------------------------------------|
| 1    | 24       | 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)                                       |
|------|----------|--------------------------------------------------------------------------------------------|
| 1X   | 29       | Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment left)                   |
| 1Y   |          |                                                                                            |
| 1Z   | 29       | Engine Room No.2 Wire and Engine Room J/B No.2 (Engine Compartment left)                   |
| 4A   | 70       | Instrument Panel Wire and Center J/B RH (Right Side of the Instrument Panel Reinforcement) |
| 4C   |          |                                                                                            |
| 4D   |          |                                                                                            |
| 4E   |          |                                                                                            |
| 4I   |          |                                                                                            |
| 4J   |          |                                                                                            |
| 4K   |          |                                                                                            |
| 5D   | 66       | Instrument Panel Wire and Center J/B LH (Right Side of the Instrument Panel Reinforcement) |
| 5G   |          |                                                                                            |
| 5H   |          |                                                                                            |
| 5J   |          |                                                                                            |
| DA   | 55       | Instrument Panel Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| DD   |          |                                                                                            |
| DK   | 56       | Engine Room Main Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| LA   | 62       | Floor No.2 Wire and Luggage Room J/B (Left Side of the Quarter Panel )                     |
| LC   | 63       |                                                                                            |
| LF   |          |                                                                                            |
| LG   | 62       | Luggage Room Wire and Luggage Room J/B (Left Side of the Quarter Panel )                   |
| PA   | 49       | Instrument Panel Wire and Cowl Side J/B LH (Lower Finish Panel)                            |
| PD   |          |                                                                                            |
| PJ   | 50       | Floor No.2 Wire and Cowl Side J/B LH (Lower Finish Panel)                                  |
| PL   | 50       | Engine Room Main Wire and Cowl Side J/B LH (Lower Finish Panel)                            |

 : Connector Joining Wire Harness and Wire Harness

| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location)                     |
|------|----------|--------------------------------------------------------------------------------|
| KA2  | 97       | Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)              |
| KU2  | 97       | Instrument Panel Wire and Floor No.1 Wire (Right Kick Panel)                   |
| KV1  | 97       | Instrument Panel Wire and Floor No.2 Wire (Left Kick Panel)                    |
| UV1  | 98       | Floor No.1 Wire and Floor No.2 Wire (Center of the Rear Floor Partition Panel) |

## Taillight

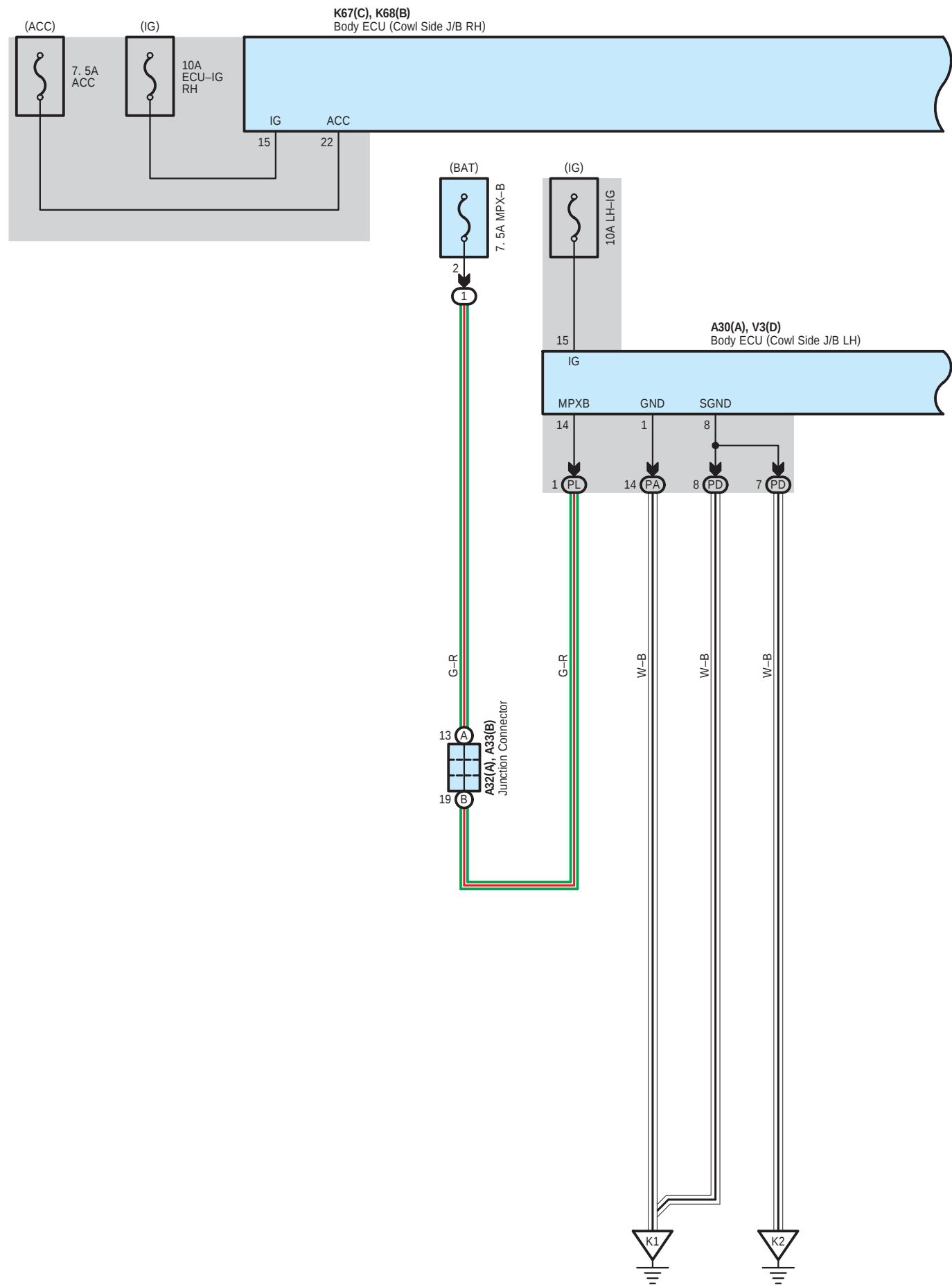
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: Ground Points

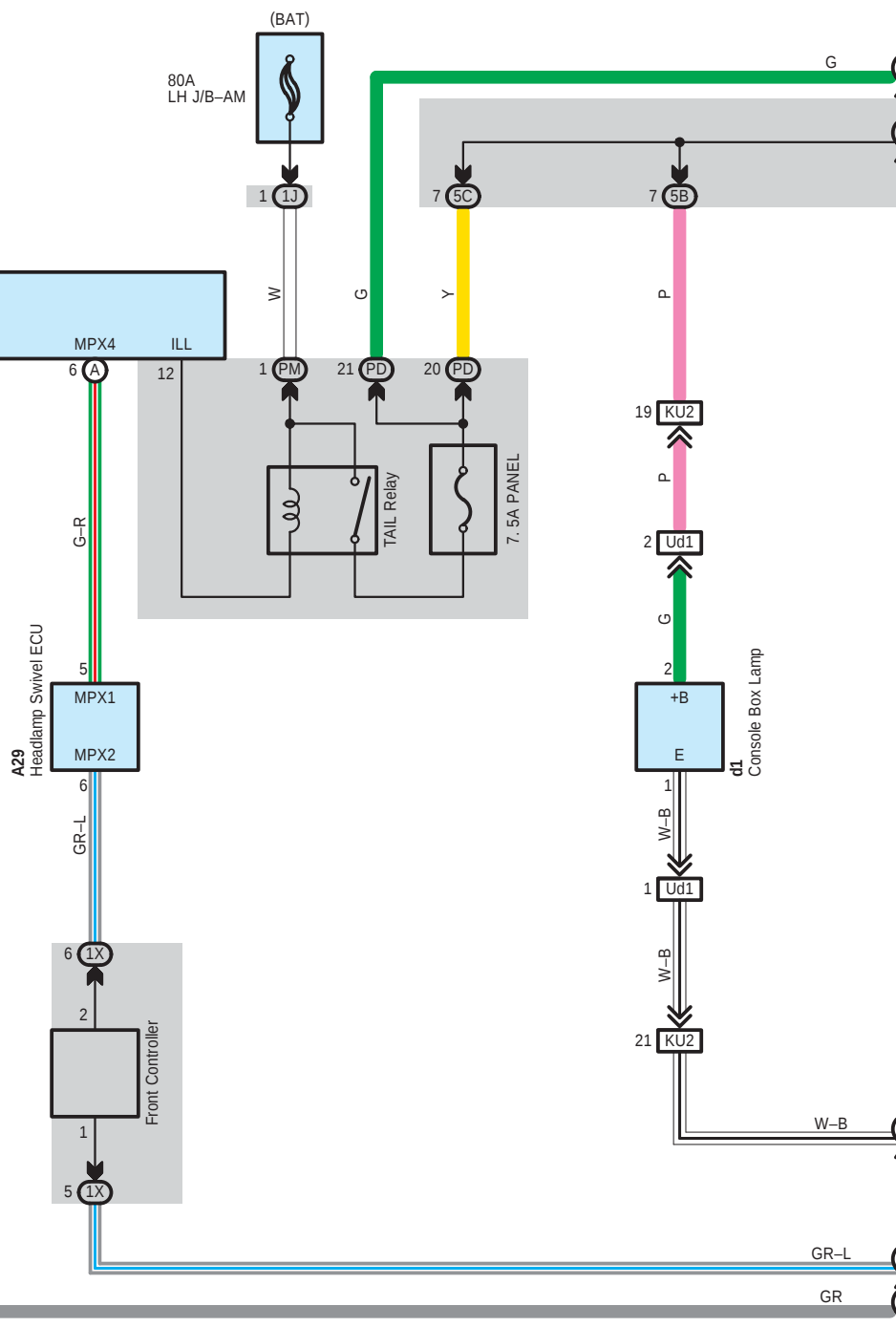
| Code | See Page | Ground Points Location       |
|------|----------|------------------------------|
| A2   | 96       | Front Left Fender Apron      |
| B1   | 96       | Near the Headlamp RH         |
| B2   | 96       | Near the Headlamp LH         |
| K1   | 97       | Left Kick Panel              |
| K2   | 97       | Left Side of the Shift Lever |
| K4   | 97       | Right Kick Panel             |
| V2   | 98       | Roof Side Inner Panel LH     |





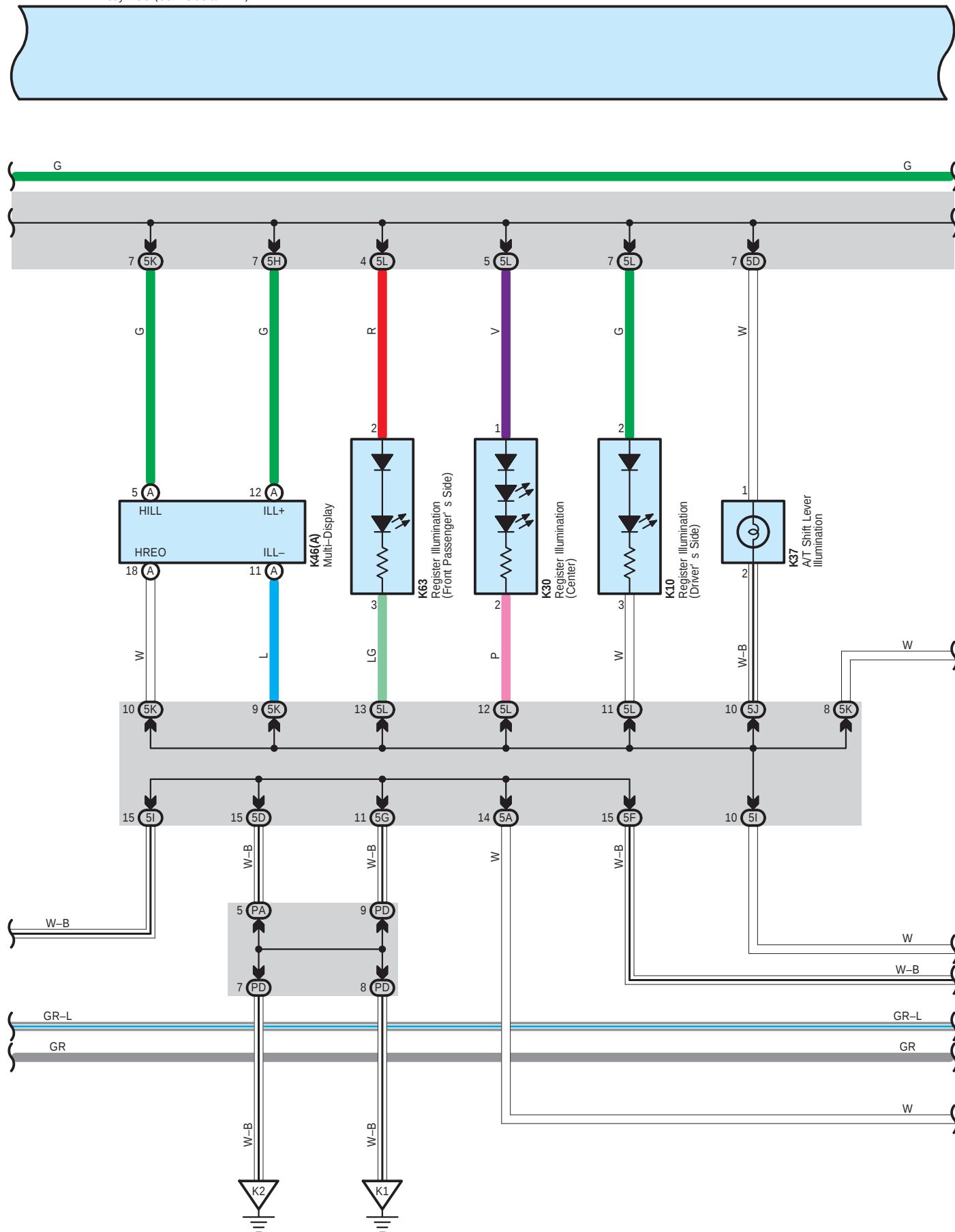
K67(C), K68(B)  
Body ECU (Cowl Side J/B RH)

A30(A), V3(D)  
Body ECU (Cowl Side J/B LH)

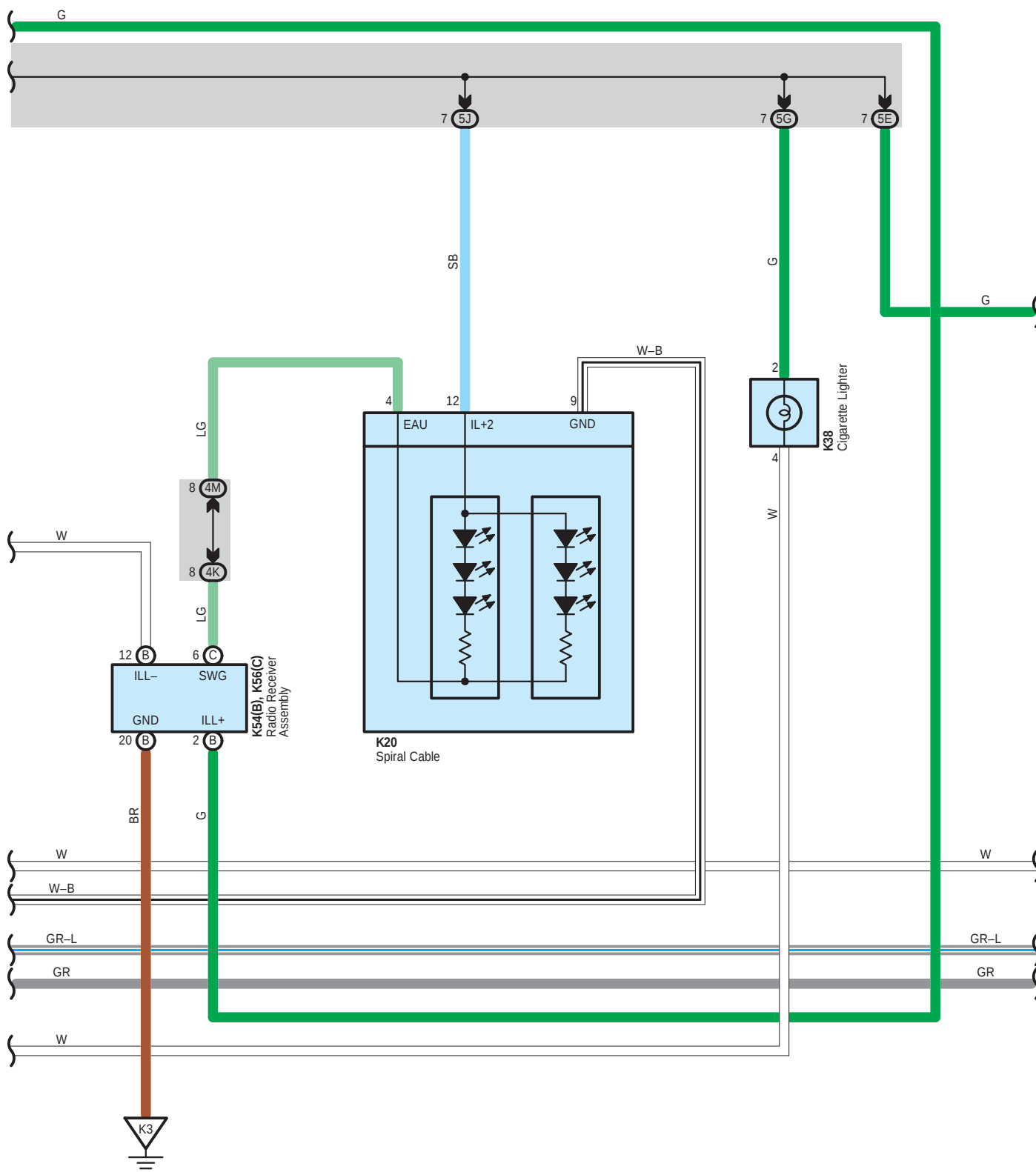


# Illumination

K67(C), K68(B)  
Body ECU (Cowl Side J/B RH)

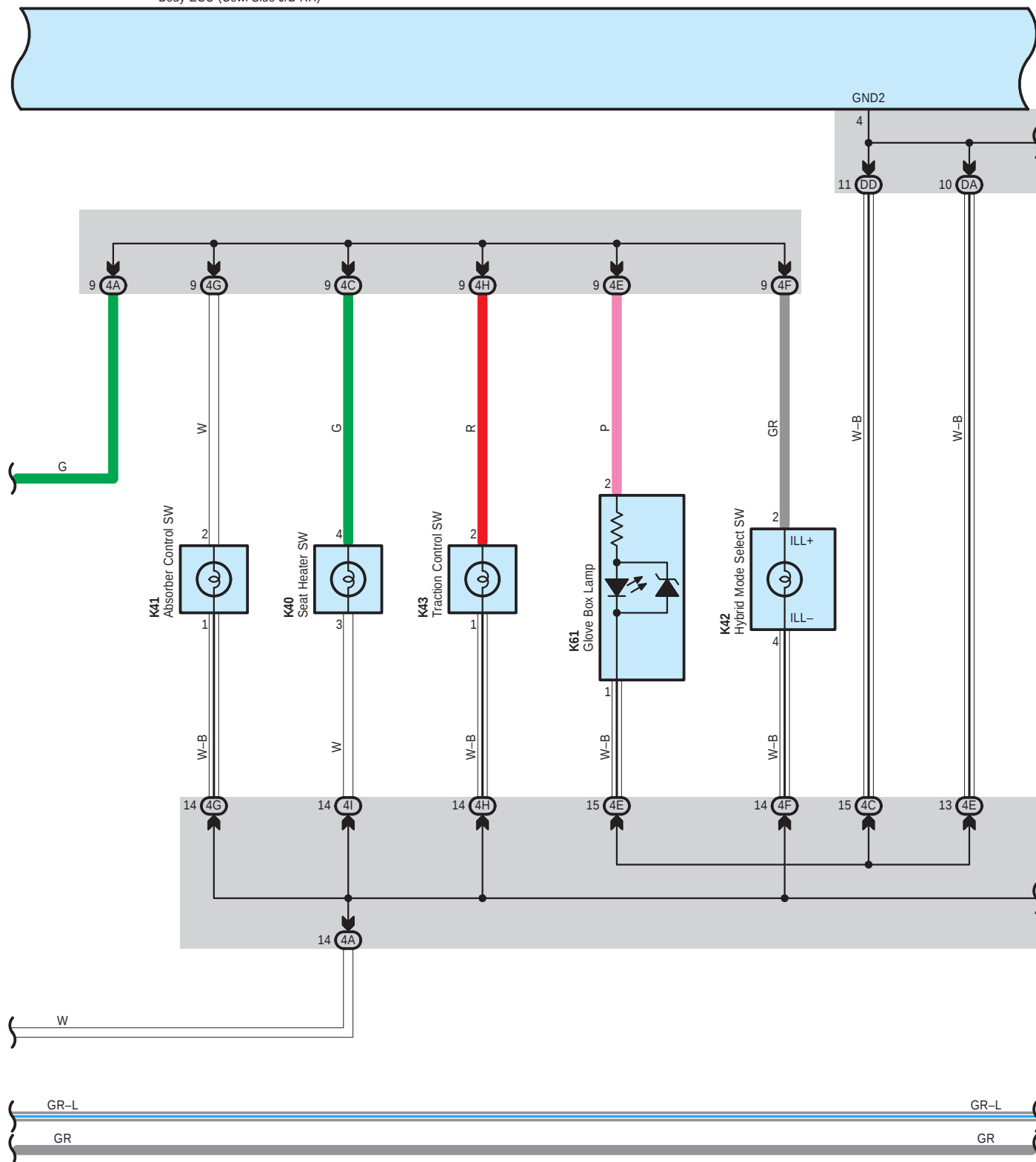


K67(C), K68(B)  
Body ECU (Cowl Side J/B RH)

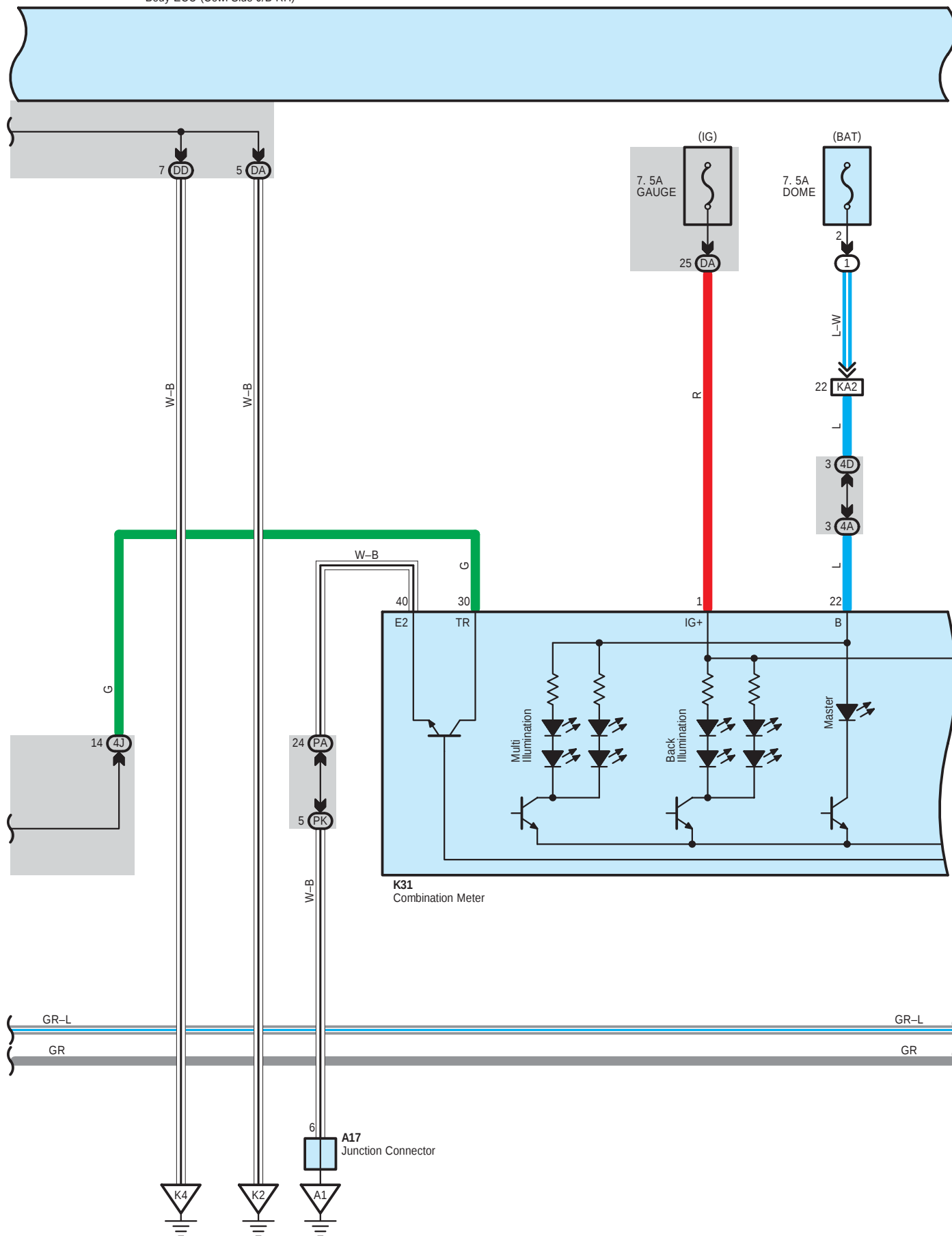


# Illumination

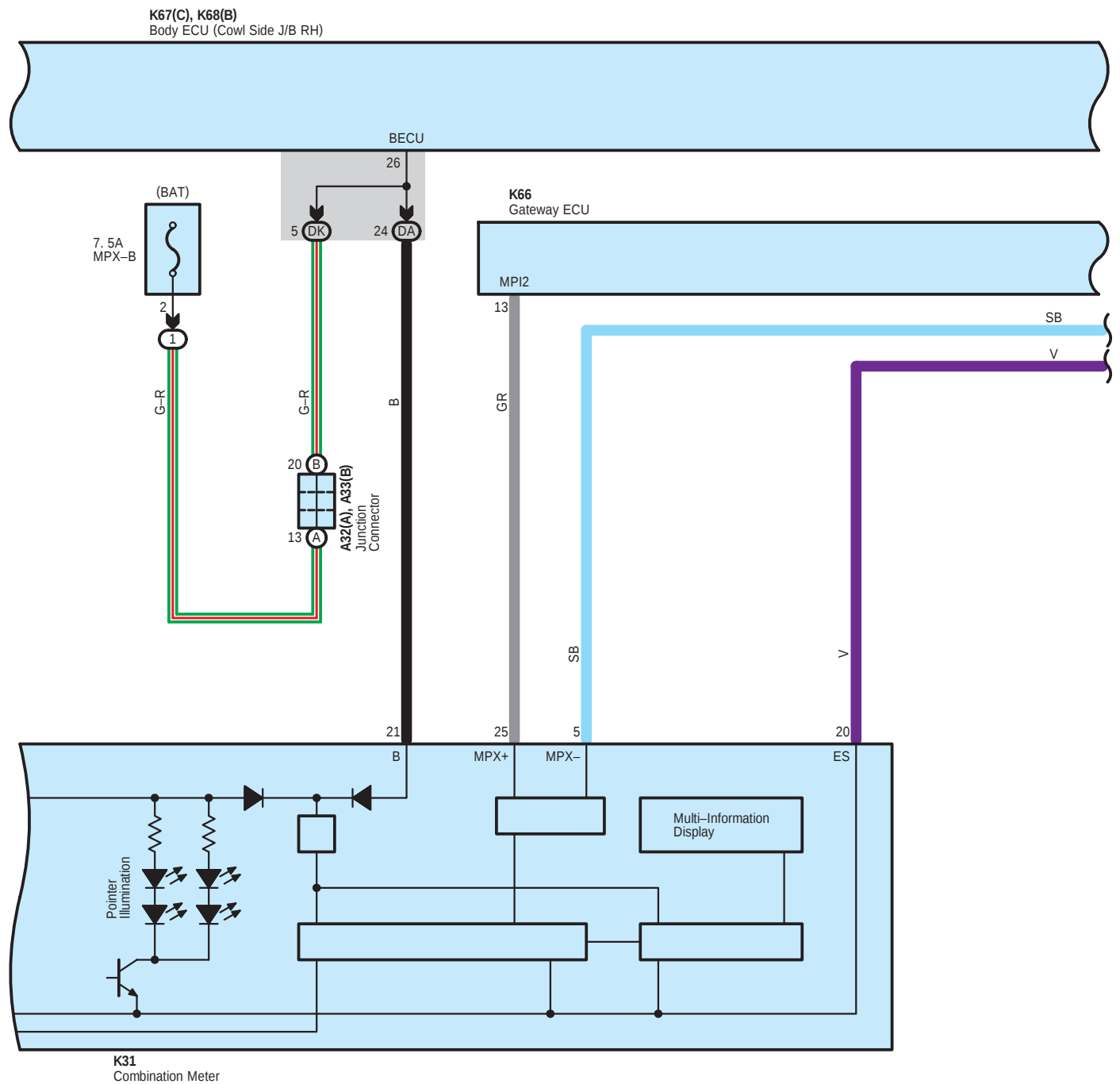
K67(C), K68(B)  
Body ECU (Cowl Side J/B RH)



K67(C), K68(B)  
Body ECU (Cowl Side J/B RH)

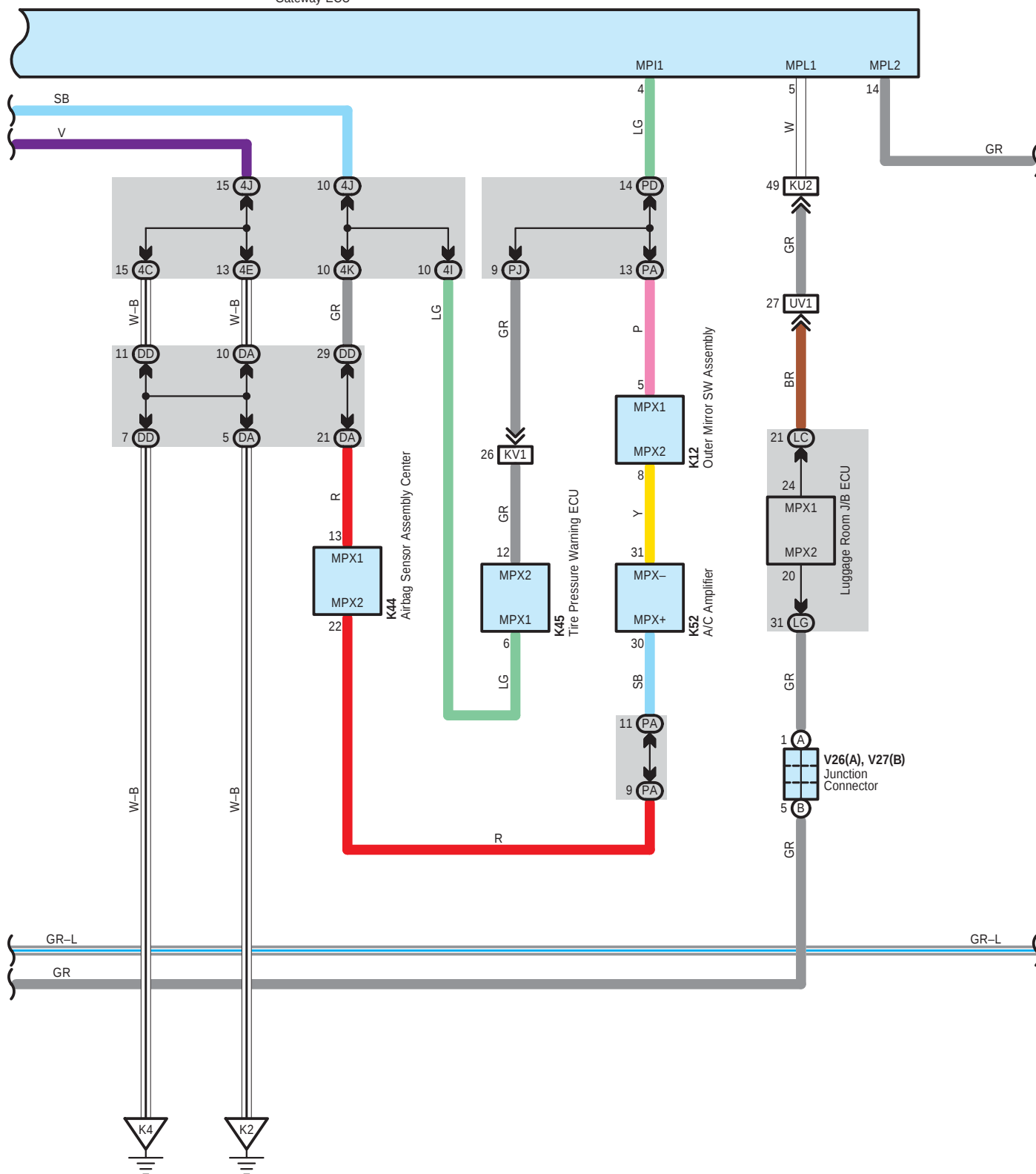


# Illumination

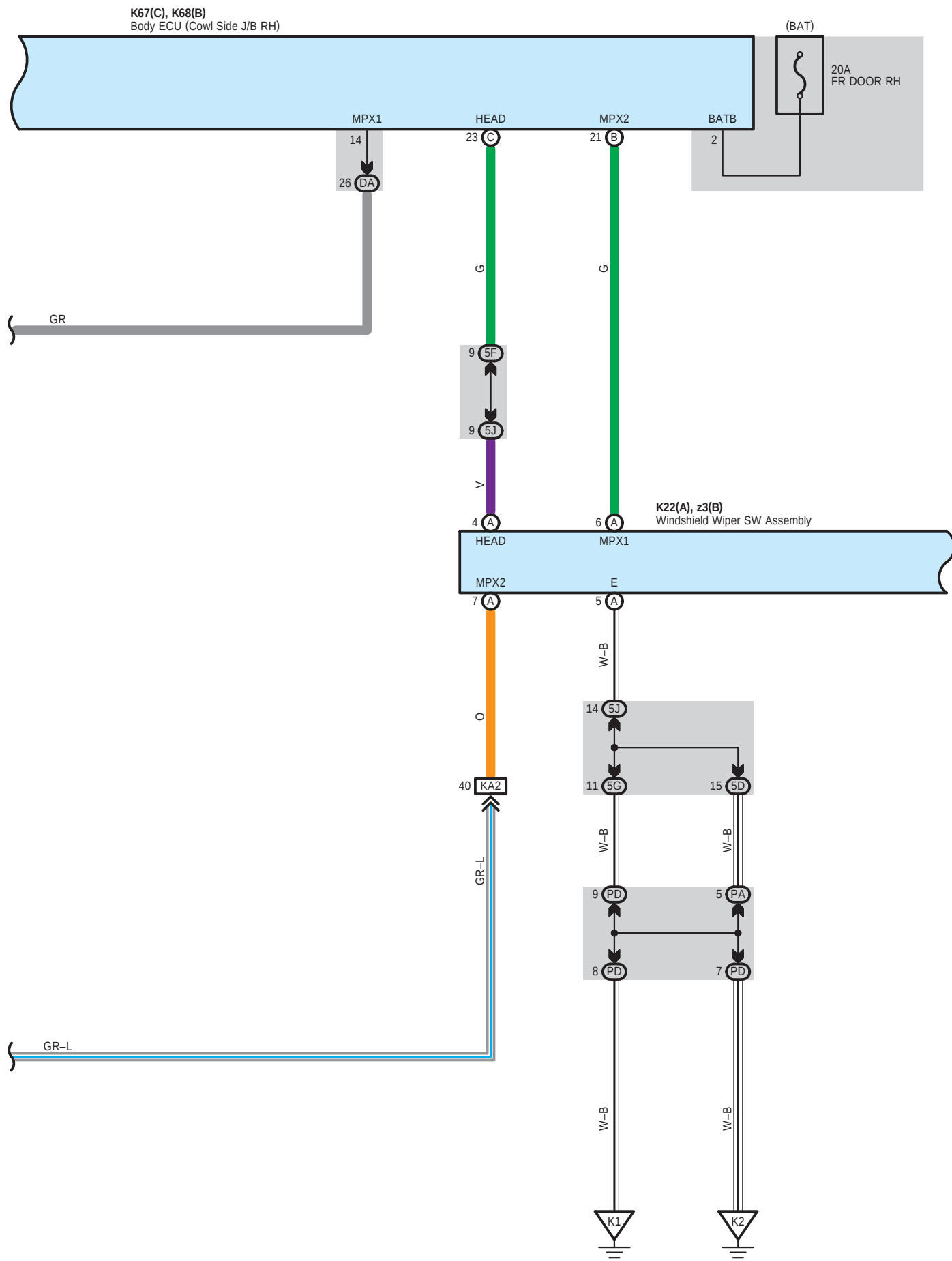


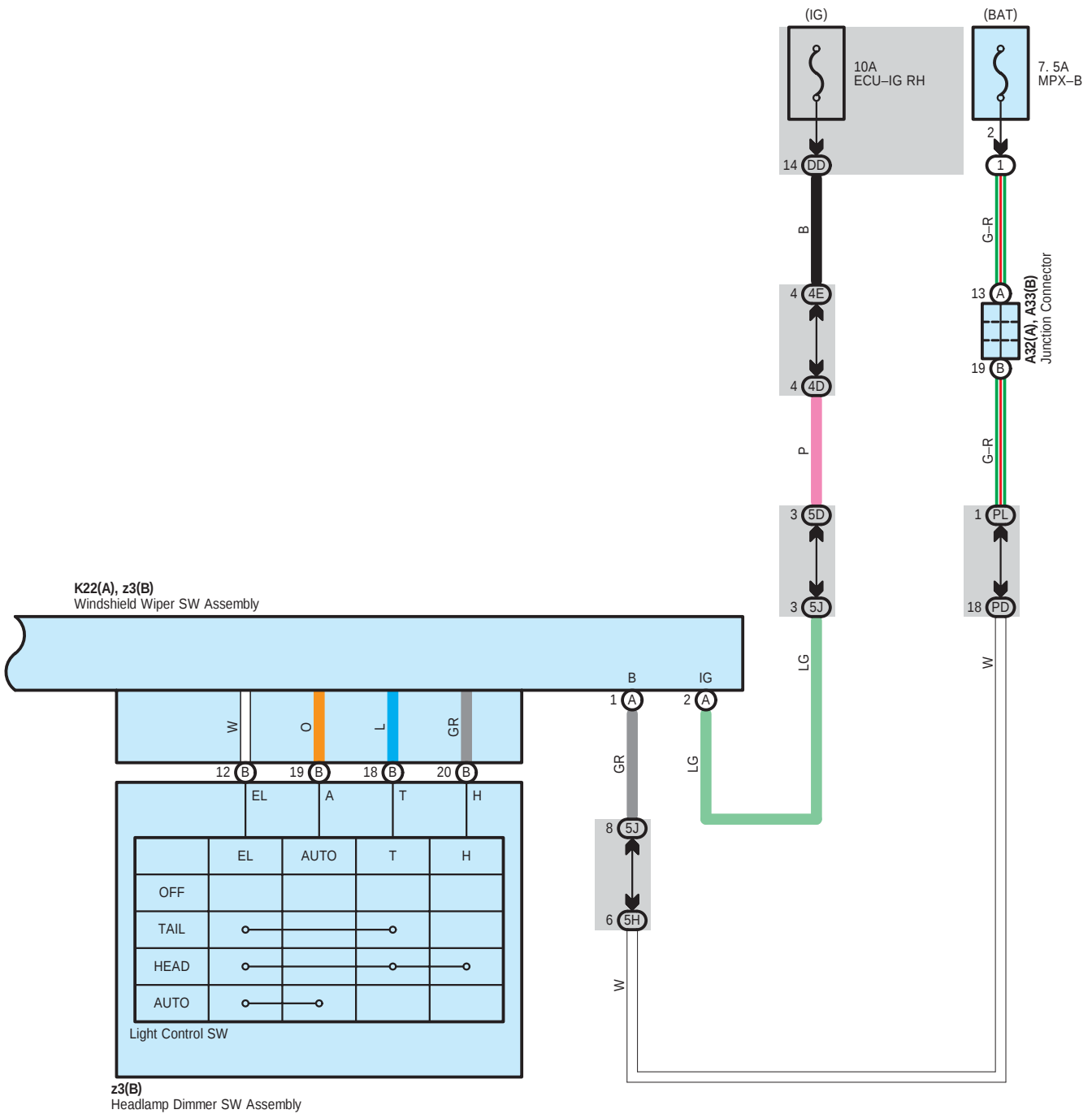
K67(C), K68(B)  
Body ECU (Cowl Side J/B RH)

K66  
Gateway ECU



# Illumination





# Illumination

## ○ : Parts Location

| Code |   | See Page | Code |   | See Page | Code |   | See Page |
|------|---|----------|------|---|----------|------|---|----------|
| A17  |   | 80       | K37  |   | 85       | K56  | C | 86       |
| A29  |   | 84       | K38  |   | 85       | K61  |   | 86       |
| A30  | A | 84       | K40  |   | 86       | K63  |   | 86       |
| A32  | A | 84       | K41  |   | 86       | K66  |   | 86       |
| A33  | B | 84       | K42  |   | 86       | K67  | C | 86       |
| K10  |   | 85       | K43  |   | 86       | K68  | B | 86       |
| K12  |   | 85       | K44  |   | 86       | V3   | D | 87       |
| K20  |   | 85       | K45  |   | 86       | V26  | A | 91       |
| K22  | A | 85       | K46  | A | 86       | V27  | B | 91       |
| K30  |   | 85       | K52  |   | 86       | d1   |   | 87       |
| K31  |   | 85       | K54  | B | 86       | z3   | B | 87       |

## ○ : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location)            |
|------|----------|------------------------------------------------|
| 1    | 24       | 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)                                       |
|------|----------|--------------------------------------------------------------------------------------------|
| 1J   | 27       | Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment left)                   |
| 1X   | 29       |                                                                                            |
| 4A   | 70       | Instrument Panel Wire and Center J/B RH (Right Side of the Instrument Panel Reinforcement) |
| 4C   |          |                                                                                            |
| 4D   |          |                                                                                            |
| 4E   |          |                                                                                            |
| 4F   |          |                                                                                            |
| 4G   |          |                                                                                            |
| 4H   |          |                                                                                            |
| 4I   |          |                                                                                            |
| 4J   |          |                                                                                            |
| 4K   |          |                                                                                            |
| 4M   |          |                                                                                            |
| 5A   | 66       | Instrument Panel Wire and Center J/B LH (Right Side of the Instrument Panel Reinforcement) |
| 5B   |          |                                                                                            |
| 5C   |          |                                                                                            |
| 5D   |          |                                                                                            |
| 5E   |          |                                                                                            |
| 5F   |          |                                                                                            |
| 5G   |          |                                                                                            |
| 5H   |          |                                                                                            |
| 5I   |          |                                                                                            |
| 5J   |          |                                                                                            |
| 5K   |          |                                                                                            |
| 5L   |          |                                                                                            |
| DA   | 55       | Instrument Panel Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| DD   |          |                                                                                            |
| DK   | 56       | Engine Room Main Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| LC   | 63       | Floor No.2 Wire and Luggage Room J/B (Left Side of the Quarter Panel )                     |
| LG   | 62       | Luggage Room Wire and Luggage Room J/B (Left Side of the Quarter Panel )                   |
| PA   | 49       | Instrument Panel Wire and Cowl Side J/B LH (Lower Finish Panel)                            |
| PD   |          |                                                                                            |
| PJ   | 50       | Floor No.2 Wire and Cowl Side J/B LH (Lower Finish Panel)                                  |
| PK   | 50       | Engine Room Main Wire and Cowl Side J/B LH (Lower Finish Panel)                            |
| PL   |          |                                                                                            |
| PM   |          |                                                                                            |

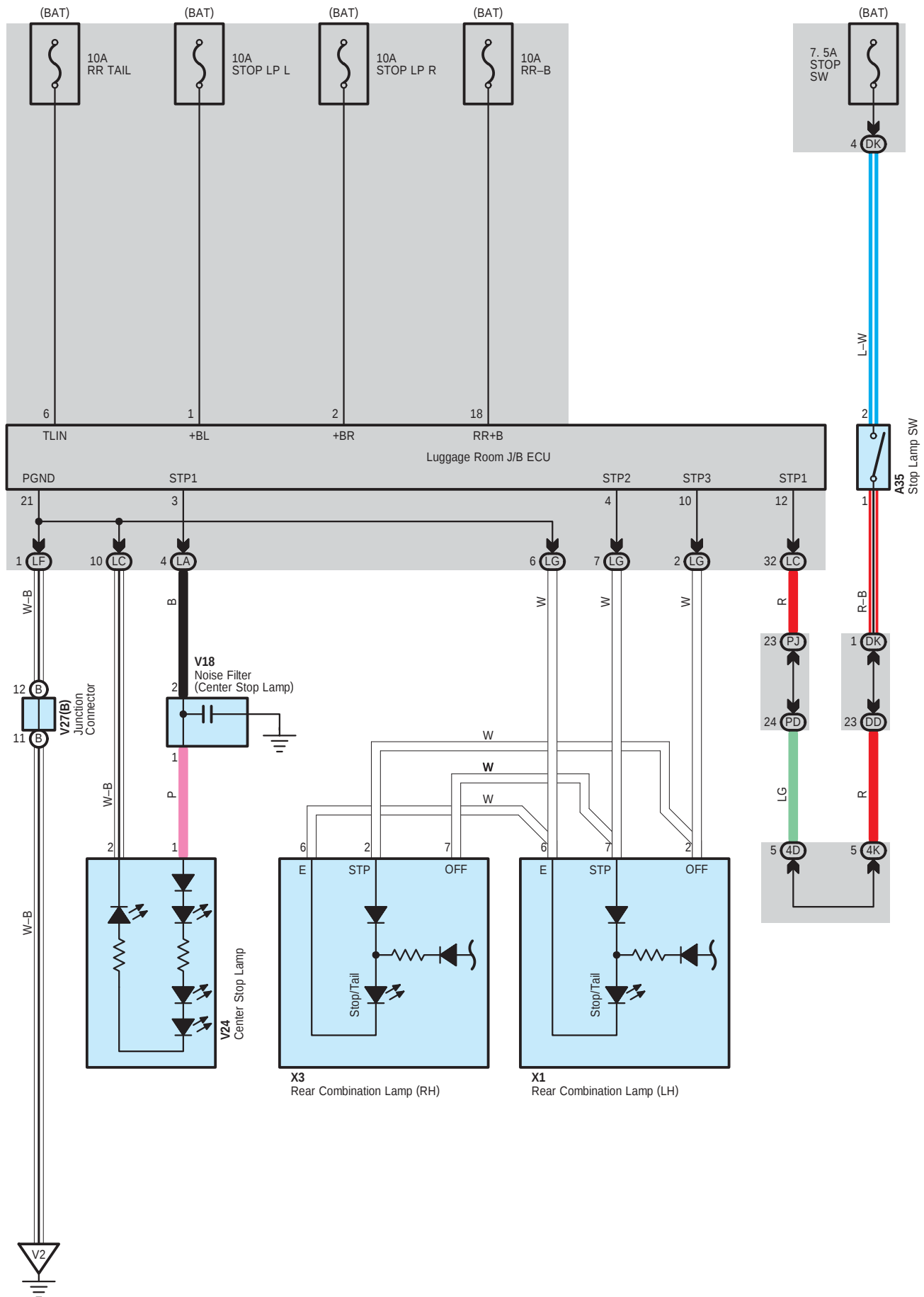
**: Connector Joining Wire Harness and Wire Harness**

| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location)                     |
|------|----------|--------------------------------------------------------------------------------|
| KA2  | 97       | Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)              |
| KU2  | 97       | Instrument Panel Wire and Floor No.1 Wire (Right Kick Panel)                   |
| KV1  | 97       | Instrument Panel Wire and Floor No.2 Wire (Left Kick Panel)                    |
| UV1  | 98       | Floor No.1 Wire and Floor No.2 Wire (Center of the Rear Floor Partition Panel) |
| Ud1  | 97       | Floor No.1 Wire and Console Box Wire (Under the Console Box)                   |

**: Ground Points**

| Code | See Page | Ground Points Location        |
|------|----------|-------------------------------|
| A1   | 96       | Left Side of the Dash Panel   |
| K1   | 97       | Left Kick Panel               |
| K2   | 97       | Left Side of the Shift Lever  |
| K3   | 97       | Right Side of the Shift Lever |
| K4   | 97       | Right Kick Panel              |

# Stop Light



 : Parts Location

| Code | See Page | Code | See Page | Code | See Page |
|------|----------|------|----------|------|----------|
| A35  | 84       | V24  | 91       | X1   | 92       |
| V18  | 91       | V27  | B 91     | X3   | 92       |

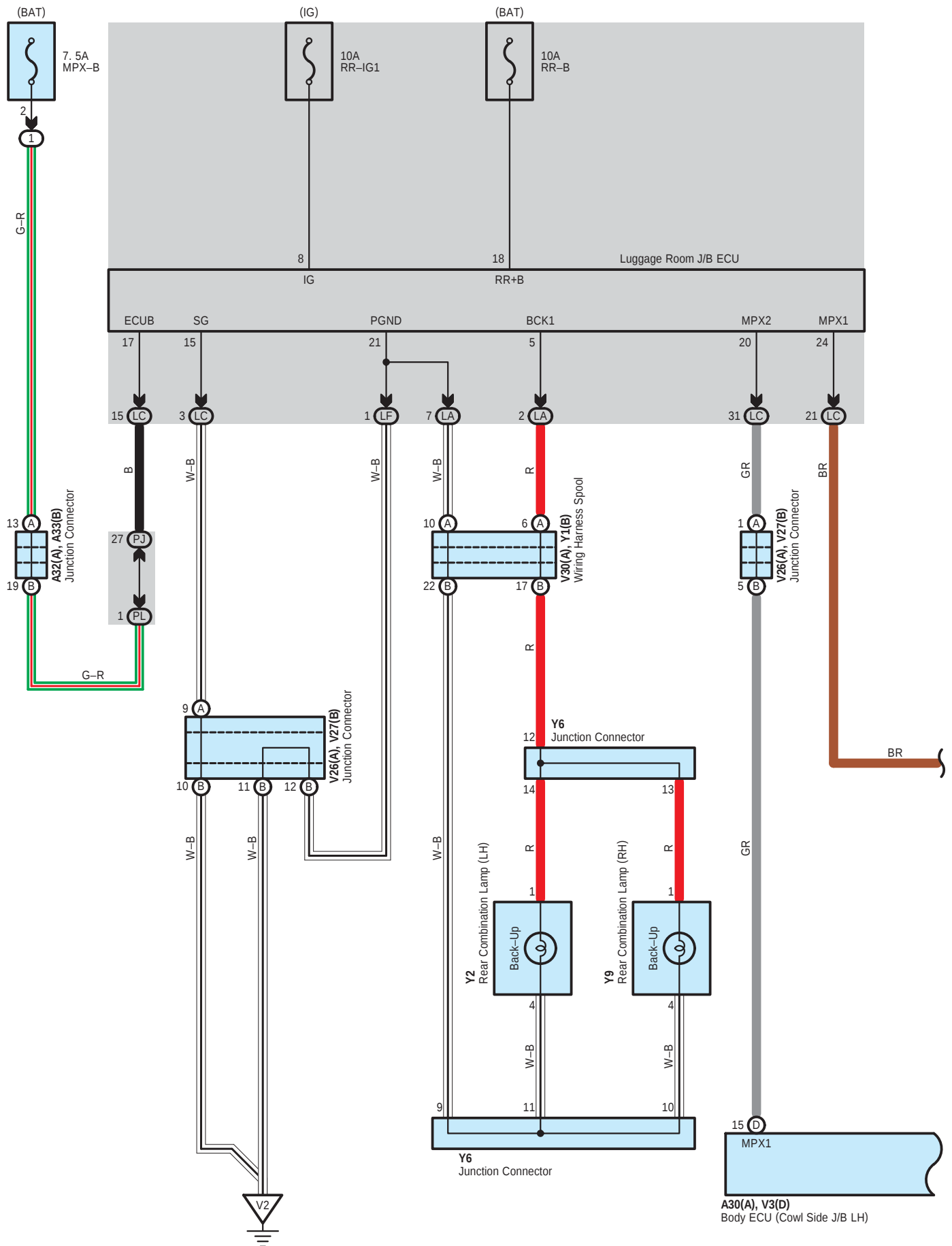
 : Junction Block and Wire Harness Connector

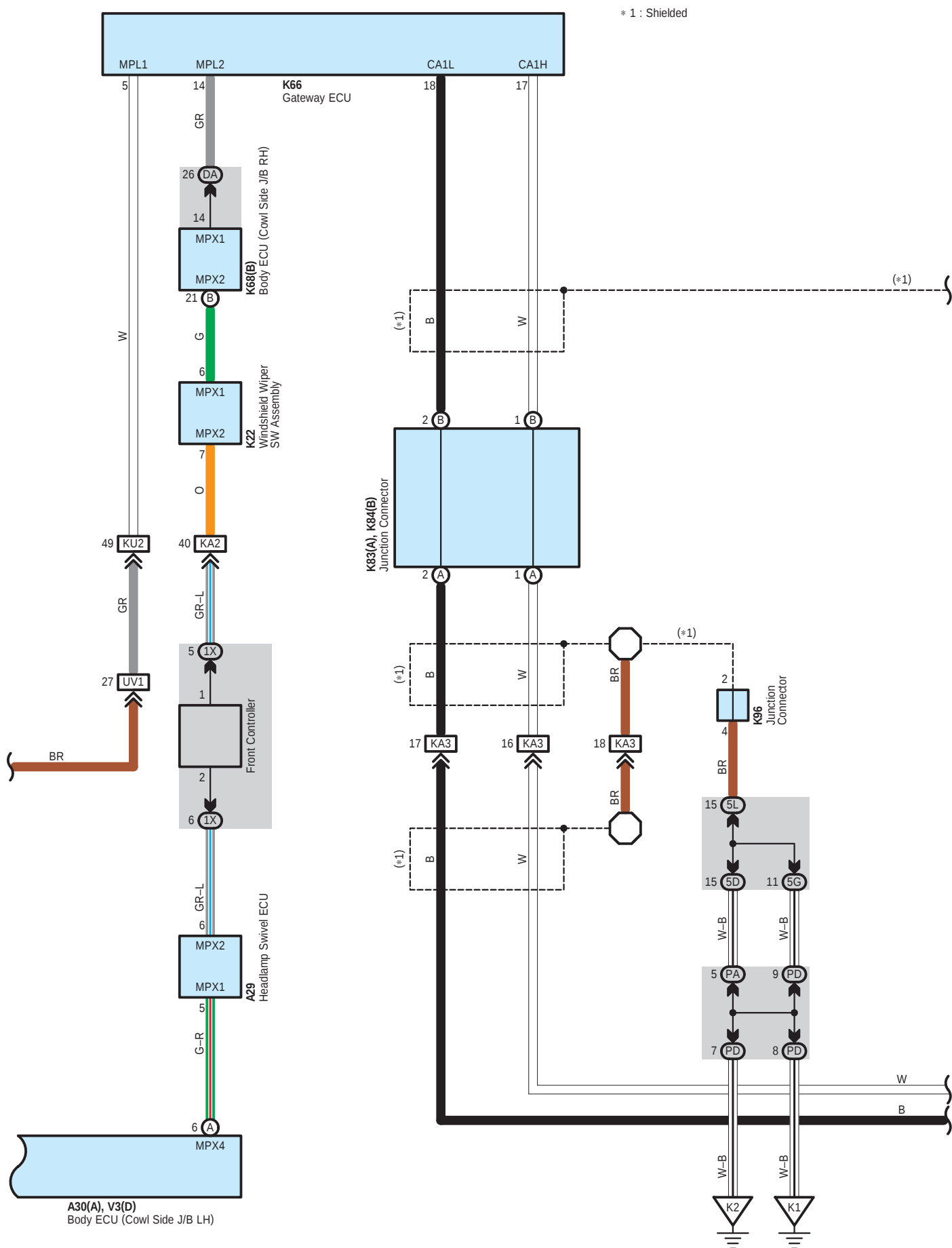
| Code | See Page | Junction Block and Wire Harness (Connector Location)                                       |
|------|----------|--------------------------------------------------------------------------------------------|
| 4D   | 70       | Instrument Panel Wire and Center J/B RH (Right Side of the Instrument Panel Reinforcement) |
| 4K   |          |                                                                                            |
| DD   | 55       | Instrument Panel Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| DK   | 56       | Engine Room Main Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| LA   | 62       | Floor No.2 Wire and Luggage Room J/B (Left Side of the Quarter Panel )                     |
| LC   | 63       |                                                                                            |
| LF   |          |                                                                                            |
| LG   | 62       | Luggage Room Wire and Luggage Room J/B (Left Side of the Quarter Panel )                   |
| PD   | 49       | Instrument Panel Wire and Cowl Side J/B LH (Lower Finish Panel)                            |
| PJ   | 50       | Floor No.2 Wire and Cowl Side J/B LH (Lower Finish Panel)                                  |

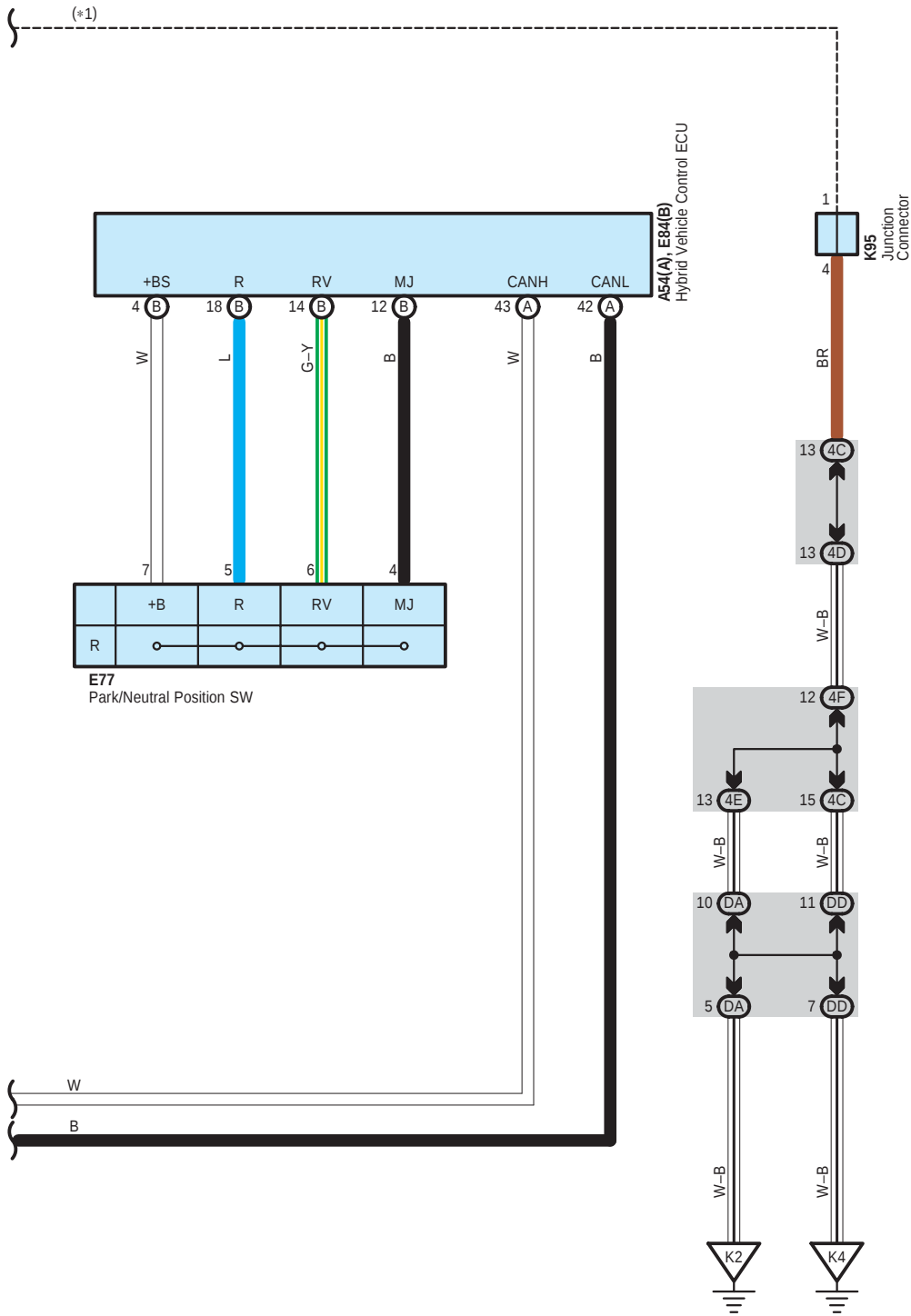
 : Ground Points

| Code | See Page | Ground Points Location   |
|------|----------|--------------------------|
| V2   | 98       | Roof Side Inner Panel LH |

# Back-Up Light







 : Parts Location

| Code | See Page | Code | See Page | Code | See Page |
|------|----------|------|----------|------|----------|
| A29  | 84       | K66  | 86       | V27  | B 91     |
| A30  | A 84     | K68  | B 86     | V30  | A 91     |
| A32  | A 84     | K83  | A 78, 86 | Y1   | B 92     |
| A33  | B 84     | K84  | B 78, 86 | Y2   | 92       |
| A54  | A 80     | K95  | 86       | Y6   | 92       |
| E77  | 81       | K96  | 86       | Y9   | 92       |
| E84  | B 81     | V3   | D 87     |      |          |
| K22  | 85       | V26  | A 91     |      |          |

 : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location)            |
|------|----------|------------------------------------------------|
| 1    | 24       | Engine Room R/B No.1 (Engine Compartment Left) |

 : Junction Block and Wire Harness Connector

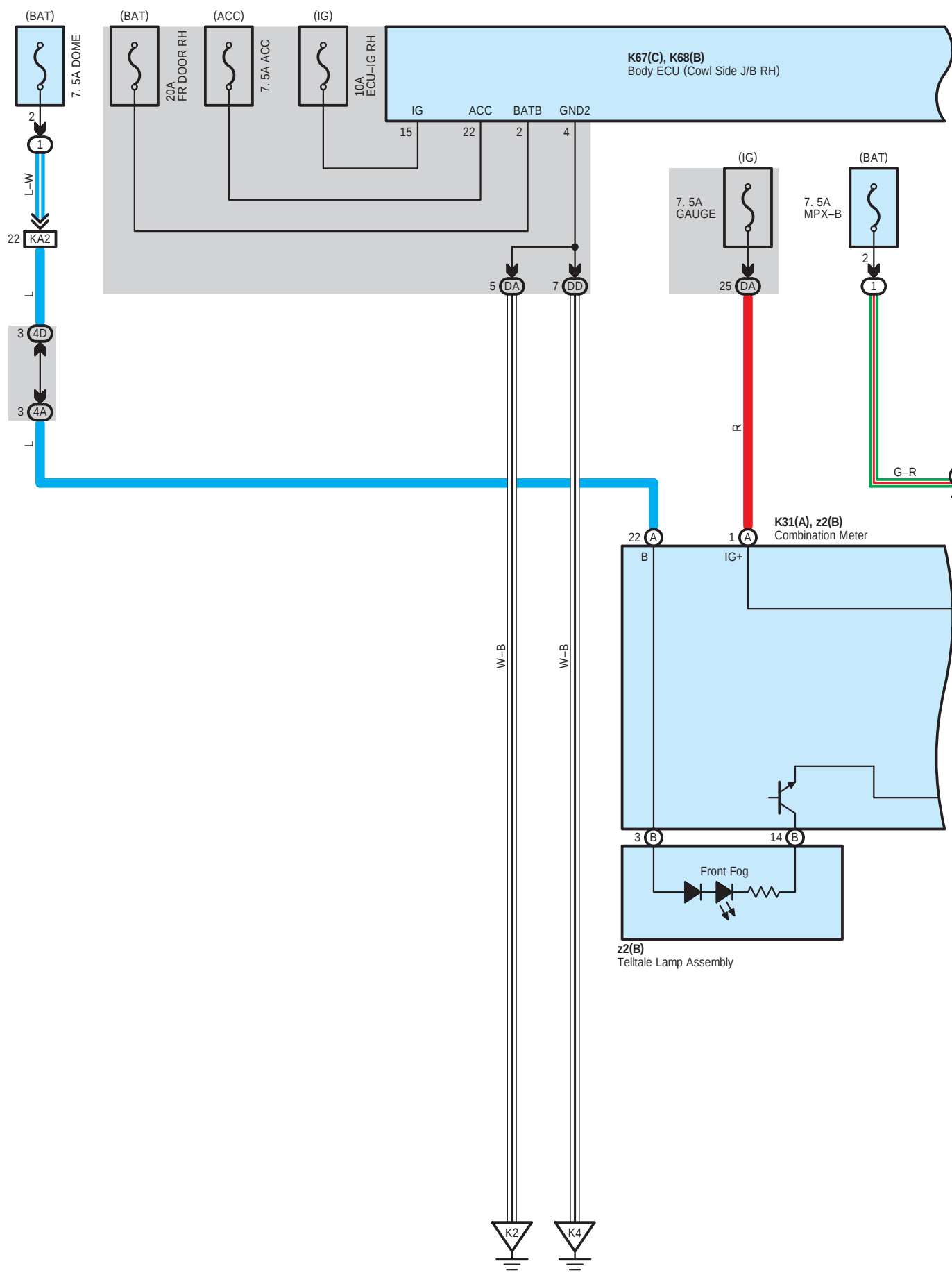
| Code | See Page | Junction Block and Wire Harness (Connector Location)                                       |
|------|----------|--------------------------------------------------------------------------------------------|
| 1X   | 29       | Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment left)                   |
| 4C   | 70       | Instrument Panel Wire and Center J/B RH (Right Side of the Instrument Panel Reinforcement) |
| 4D   |          |                                                                                            |
| 4E   |          |                                                                                            |
| 4F   |          |                                                                                            |
| 5D   | 66       | Instrument Panel Wire and Center J/B LH (Right Side of the Instrument Panel Reinforcement) |
| 5G   |          |                                                                                            |
| 5L   |          |                                                                                            |
| DA   | 55       | Instrument Panel Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| DD   |          |                                                                                            |
| LA   | 62       | Floor No.2 Wire and Luggage Room J/B (Left Side of the Quarter Panel )                     |
| LC   | 63       |                                                                                            |
| LF   |          |                                                                                            |
| PA   | 49       | Instrument Panel Wire and Cowl Side J/B LH (Lower Finish Panel)                            |
| PD   |          |                                                                                            |
| PJ   | 50       | Floor No.2 Wire and Cowl Side J/B LH (Lower Finish Panel)                                  |
| PL   | 50       | Engine Room Main Wire and Cowl Side J/B LH (Lower Finish Panel)                            |

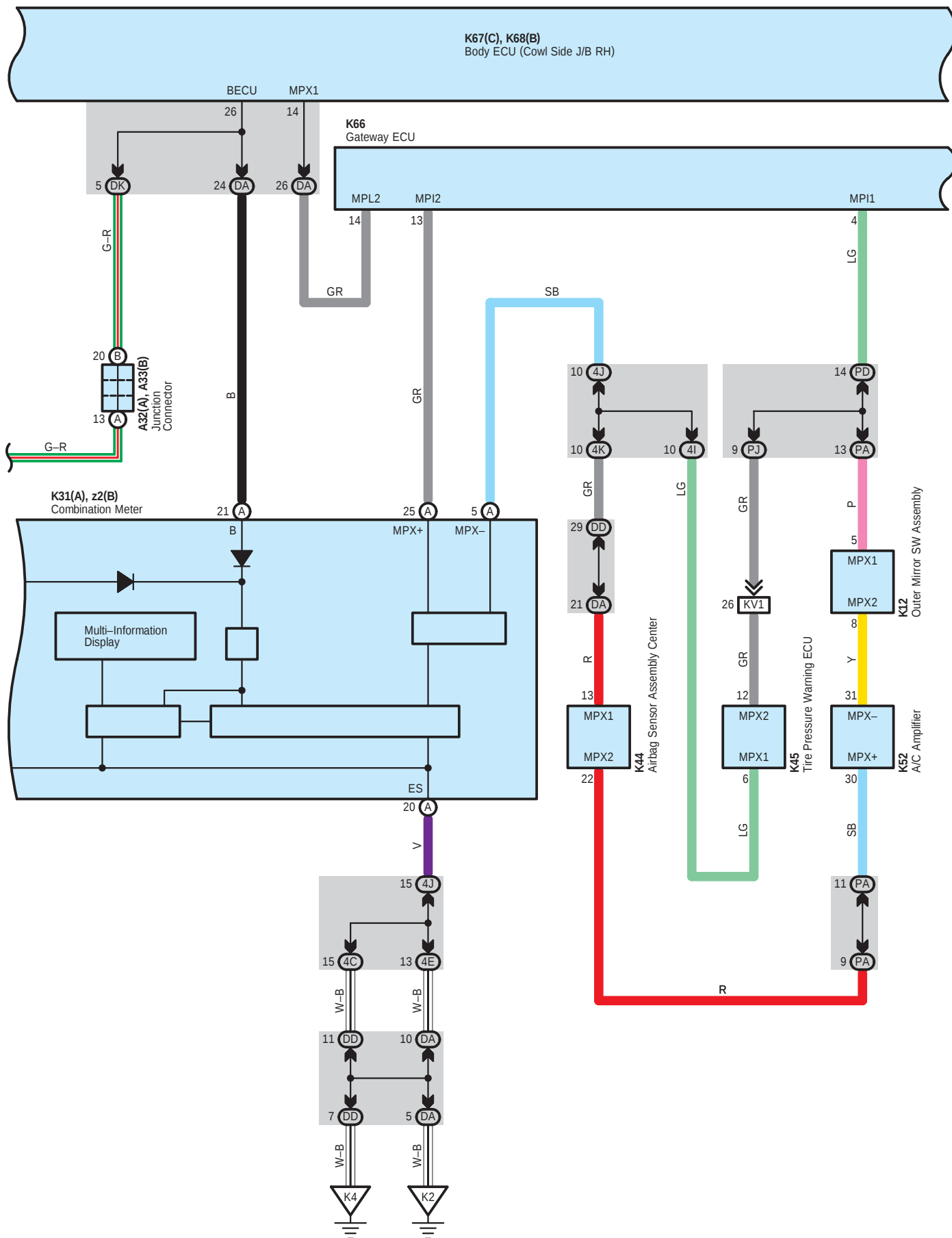
 : Connector Joining Wire Harness and Wire Harness

| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location)                     |
|------|----------|--------------------------------------------------------------------------------|
| KA2  | 97       | Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)              |
| KA3  | 97       | Instrument Panel Wire and Engine Room Main Wire (Right Kick Panel)             |
| KU2  | 97       | Instrument Panel Wire and Floor No.1 Wire (Right Kick Panel)                   |
| UV1  | 98       | Floor No.1 Wire and Floor No.2 Wire (Center of the Rear Floor Partition Panel) |

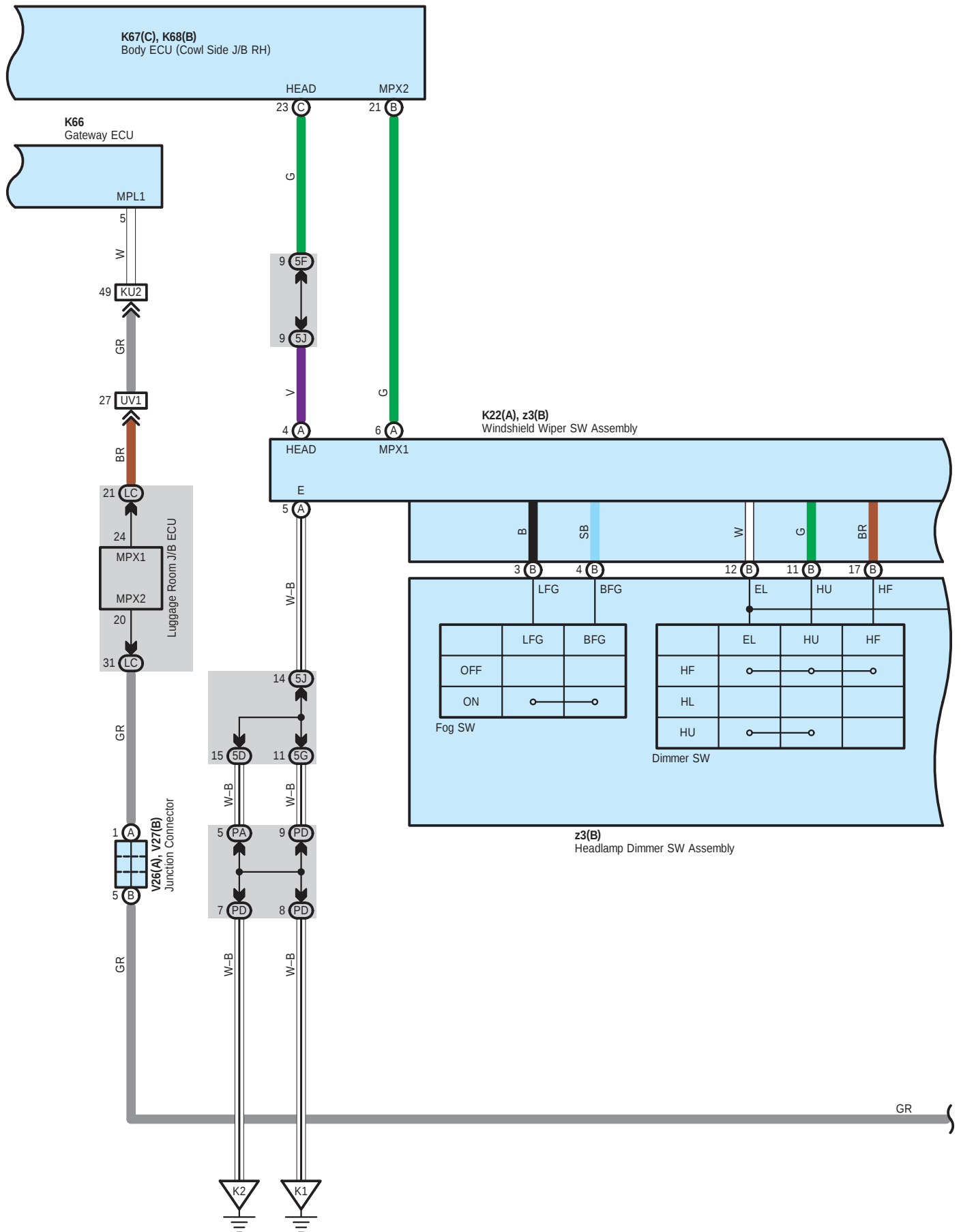
 : Ground Points

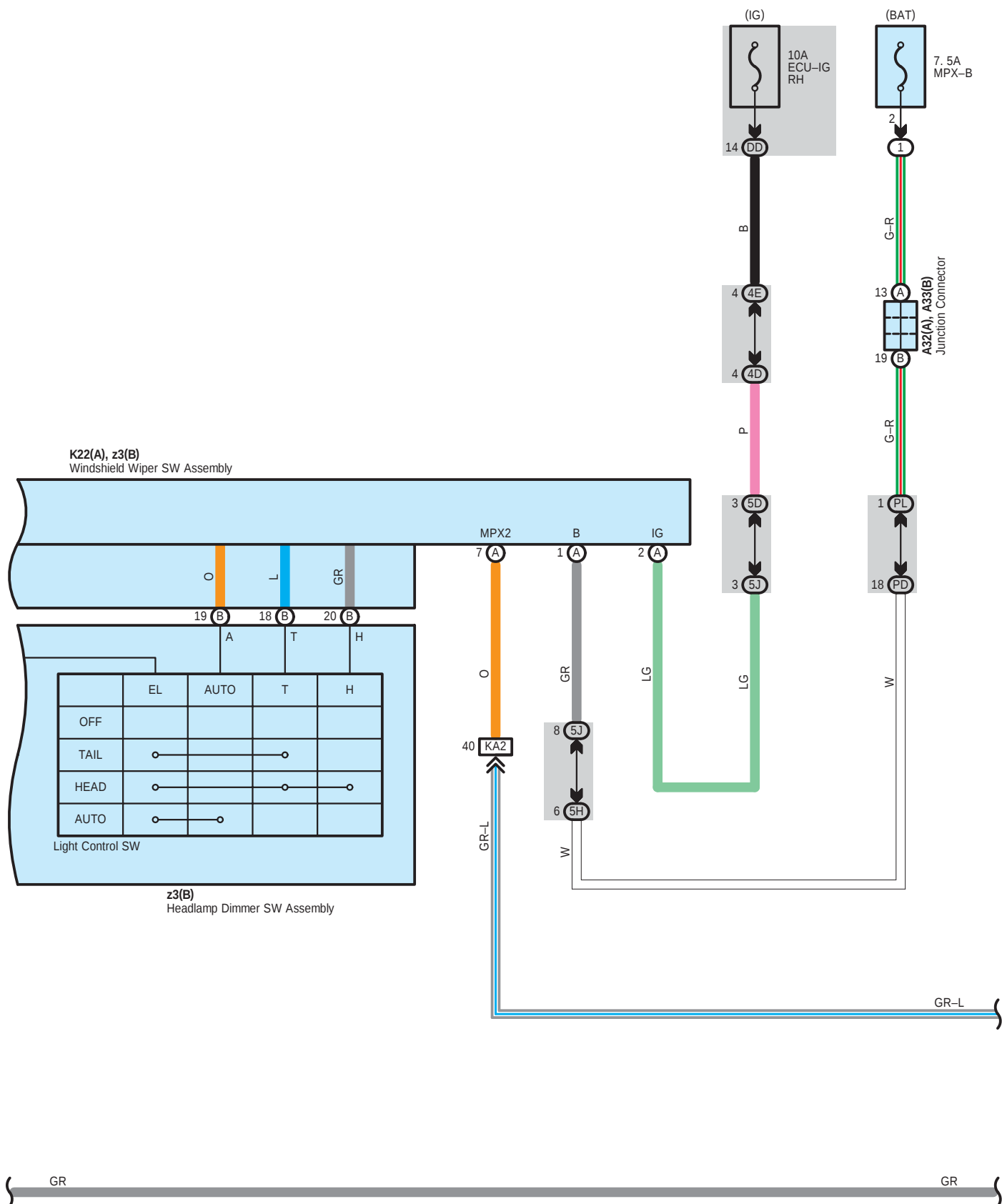
| Code | See Page | Ground Points Location       |
|------|----------|------------------------------|
| K1   | 97       | Left Kick Panel              |
| K2   | 97       | Left Side of the Shift Lever |
| K4   | 97       | Right Kick Panel             |
| V2   | 98       | Roof Side Inner Panel LH     |



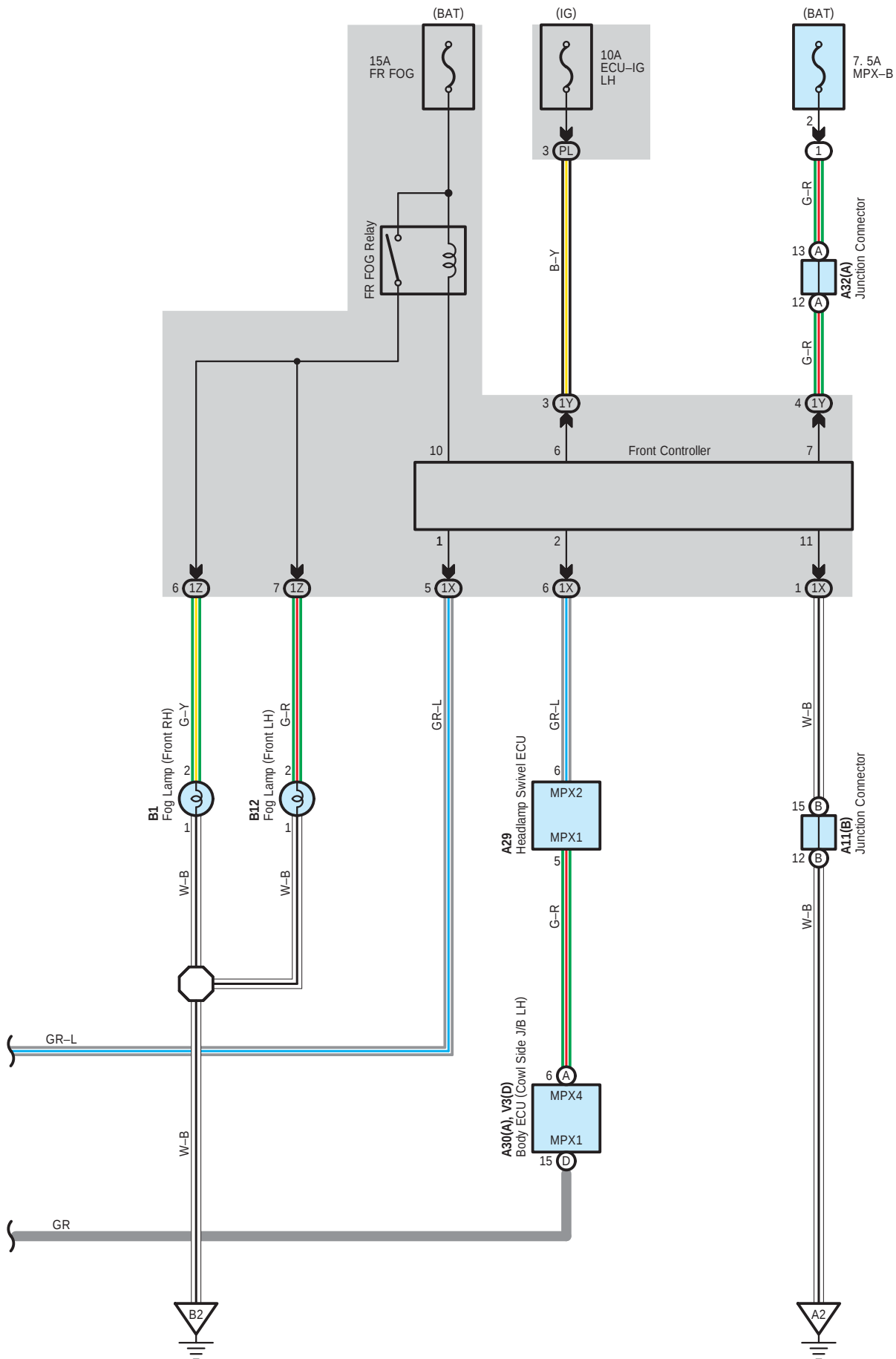


# Front Fog Light





# Front Fog Light



 : Parts Location

| Code |   | See Page | Code |   | See Page | Code |   | See Page |
|------|---|----------|------|---|----------|------|---|----------|
| A11  | B | 80       | K12  |   | 85       | K67  | C | 86       |
| A29  |   | 84       | K22  | A | 85       | K68  | B | 86       |
| A30  | A | 84       | K31  | A | 85       | V3   | D | 87       |
| A32  | A | 84       | K44  |   | 86       | V26  | A | 91       |
| A33  | B | 84       | K45  |   | 86       | V27  | B | 91       |
| B1   |   | 82       | K52  |   | 86       | z2   | B | 87       |
| B12  |   | 82       | K66  |   | 86       | z3   | B | 87       |

 : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location)            |
|------|----------|------------------------------------------------|
| 1    | 24       | 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)                                       |
|------|----------|--------------------------------------------------------------------------------------------|
| 1X   | 29       | Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment left)                   |
| 1Y   |          |                                                                                            |
| 1Z   | 29       | Engine Room No.2 Wire and Engine Room J/B No.2 (Engine Compartment left)                   |
| 4A   | 70       | Instrument Panel Wire and Center J/B RH (Right Side of the Instrument Panel Reinforcement) |
| 4C   |          |                                                                                            |
| 4D   |          |                                                                                            |
| 4E   |          |                                                                                            |
| 4I   |          |                                                                                            |
| 4J   |          |                                                                                            |
| 4K   | 66       | Instrument Panel Wire and Center J/B LH (Right Side of the Instrument Panel Reinforcement) |
| 5D   |          |                                                                                            |
| 5F   |          |                                                                                            |
| 5G   |          |                                                                                            |
| 5H   |          |                                                                                            |
| 5J   | 55       | Instrument Panel Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| DA   |          |                                                                                            |
| DD   | 56       | Engine Room Main Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| DK   | 63       | Floor No.2 Wire and Luggage Room J/B (Left Side of the Quarter Panel )                     |
| LC   | 49       | Instrument Panel Wire and Cowl Side J/B LH (Lower Finish Panel)                            |
| PA   |          |                                                                                            |
| PD   | 50       | Floor No.2 Wire and Cowl Side J/B LH (Lower Finish Panel)                                  |
| PJ   | 50       | Floor No.2 Wire and Cowl Side J/B LH (Lower Finish Panel)                                  |
| PL   | 50       | Engine Room Main Wire and Cowl Side J/B LH (Lower Finish Panel)                            |

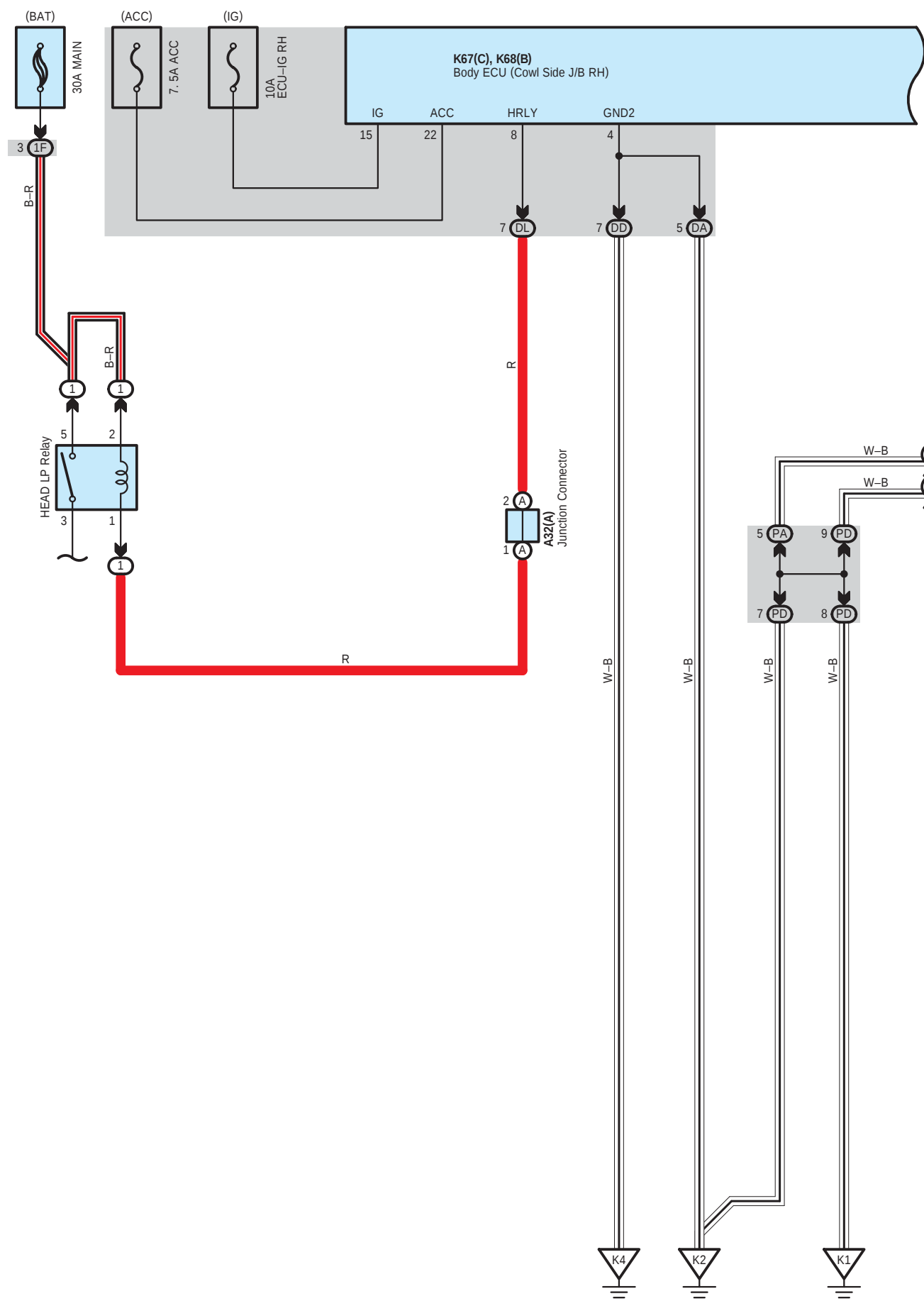
 : Connector Joining Wire Harness and Wire Harness

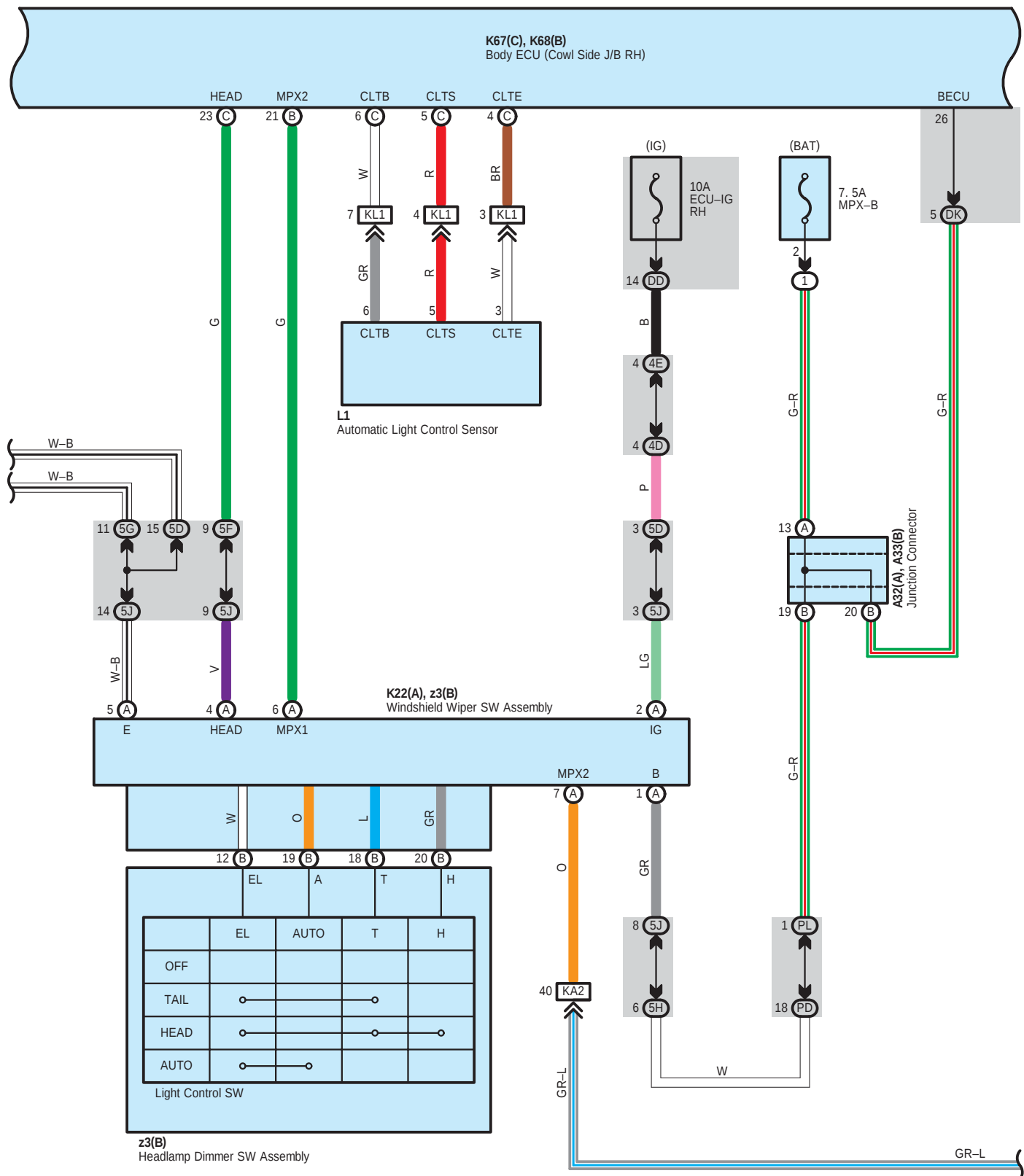
| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location)                     |
|------|----------|--------------------------------------------------------------------------------|
| KA2  | 97       | Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)              |
| KU2  | 97       | Instrument Panel Wire and Floor No.1 Wire (Right Kick Panel)                   |
| KV1  | 97       | Instrument Panel Wire and Floor No.2 Wire (Left Kick Panel)                    |
| UV1  | 98       | Floor No.1 Wire and Floor No.2 Wire (Center of the Rear Floor Partition Panel) |

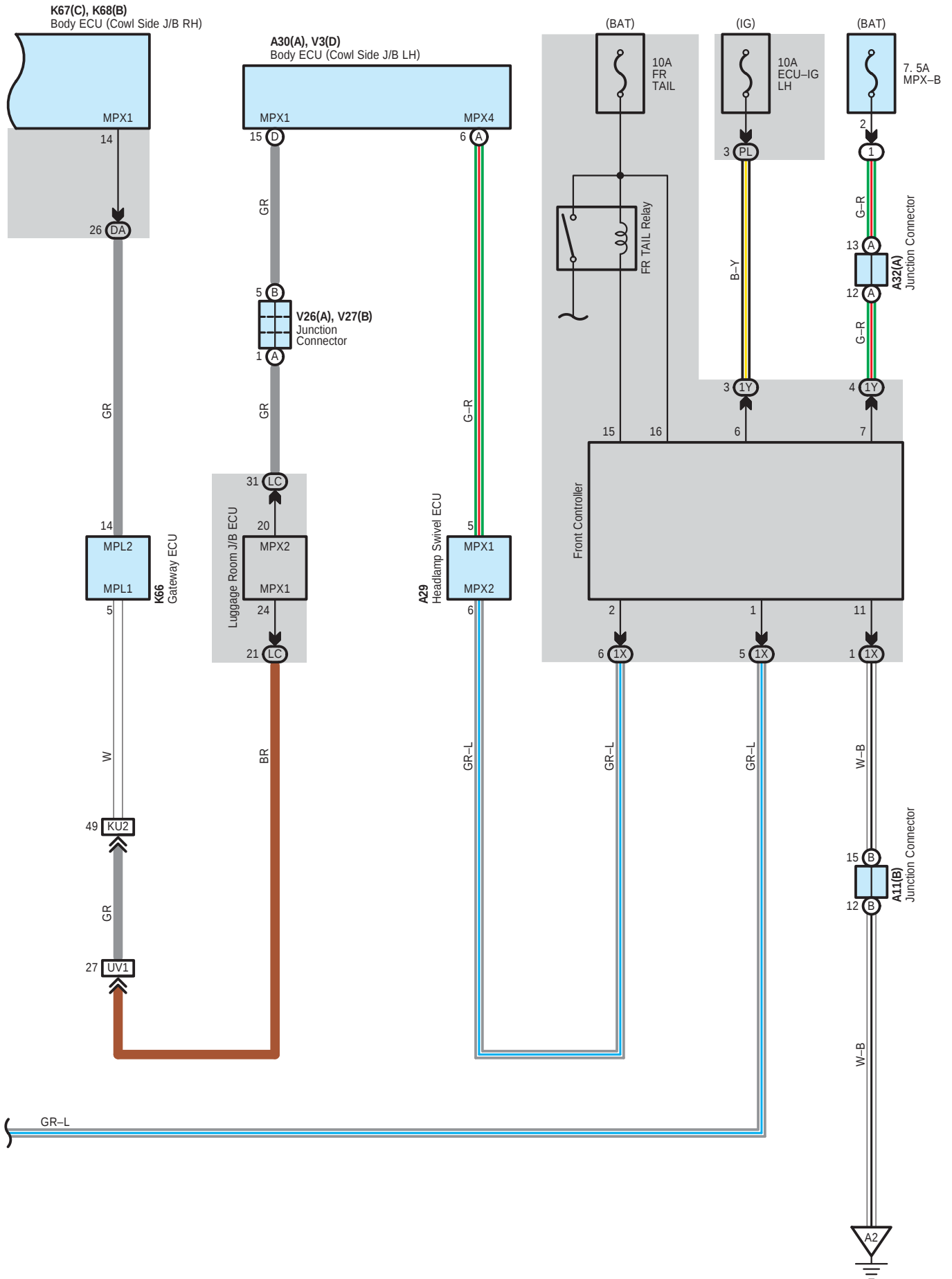
 : Ground Points

| Code | See Page | Ground Points Location       |
|------|----------|------------------------------|
| A2   | 96       | Front Left Fender Apron      |
| B2   | 96       | Near the Headlamp LH         |
| K1   | 97       | Left Kick Panel              |
| K2   | 97       | Left Side of the Shift Lever |
| K4   | 97       | Right Kick Panel             |

# Automatic Light Control







 : Parts Location

| Code |   | See Page | Code |   | See Page | Code |   | See Page |
|------|---|----------|------|---|----------|------|---|----------|
| A11  | B | 80       | K22  | A | 85       | V3   | D | 87       |
| A29  |   | 84       | K66  |   | 86       | V26  | A | 91       |
| A30  | A | 84       | K67  | C | 86       | V27  | B | 91       |
| A32  | A | 84       | K68  | B | 86       | z3   | B | 87       |
| A33  | B | 84       | L1   |   | 87       |      |   |          |

 : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location)            |
|------|----------|------------------------------------------------|
| 1    | 24       | Engine Room R/B No.1 (Engine Compartment Left) |

 : Junction Block and Wire Harness Connector

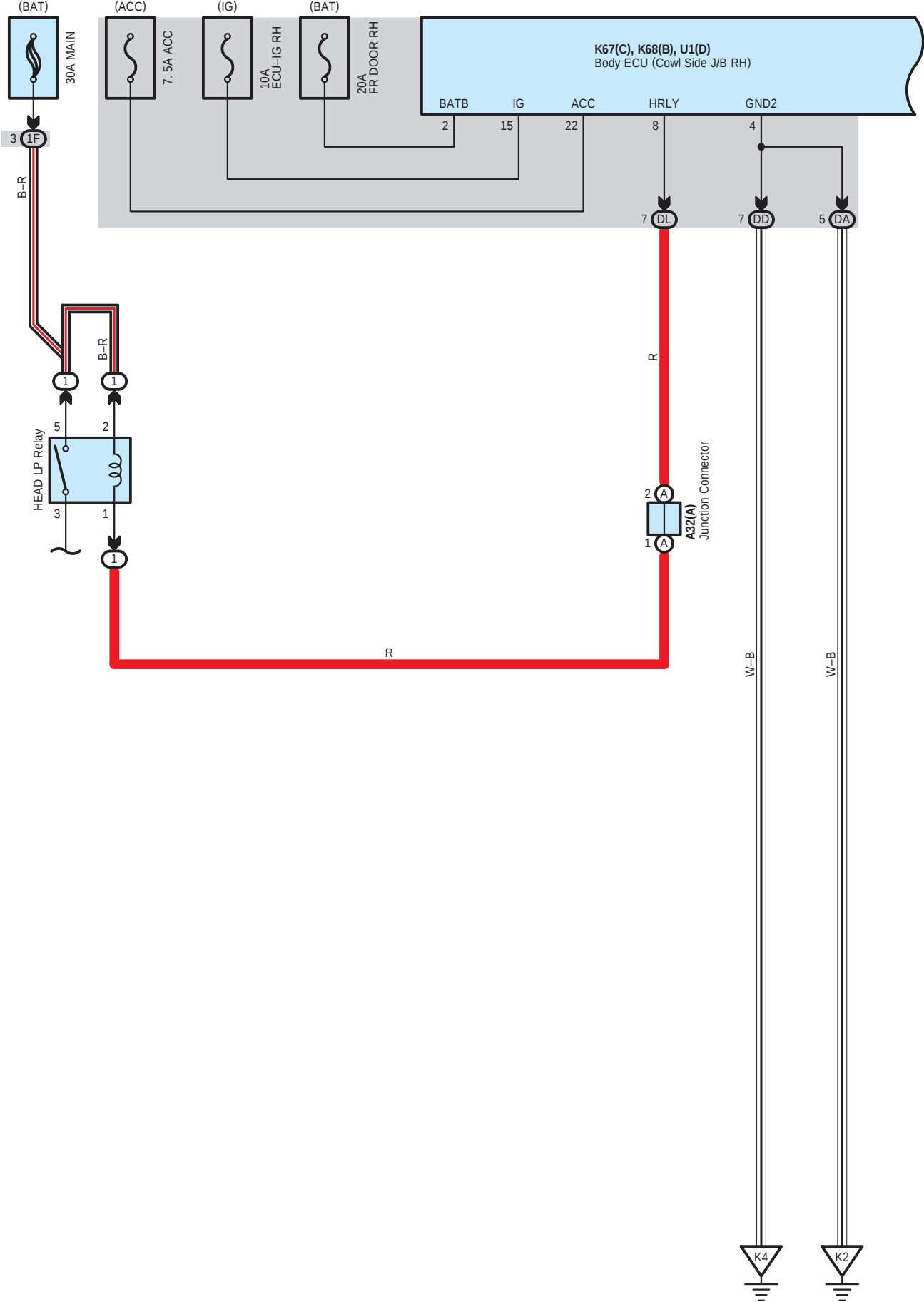
| Code | See Page | Junction Block and Wire Harness (Connector Location)                                       |
|------|----------|--------------------------------------------------------------------------------------------|
| 1F   | 27       | Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment left)                   |
| 1X   | 29       |                                                                                            |
| 1Y   |          |                                                                                            |
| 4D   | 70       | Instrument Panel Wire and Center J/B RH (Right Side of the Instrument Panel Reinforcement) |
| 4E   |          |                                                                                            |
| 5D   | 66       | Instrument Panel Wire and Center J/B LH (Right Side of the Instrument Panel Reinforcement) |
| 5F   |          |                                                                                            |
| 5G   |          |                                                                                            |
| 5H   |          |                                                                                            |
| 5J   |          |                                                                                            |
| DA   | 55       | Instrument Panel Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| DD   |          |                                                                                            |
| DK   | 56       | Engine Room Main Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| DL   |          |                                                                                            |
| LC   | 63       | Floor No.2 Wire and Luggage Room J/B (Left Side of the Quarter Panel )                     |
| PA   | 49       | Instrument Panel Wire and Cowl Side J/B LH (Lower Finish Panel)                            |
| PD   |          |                                                                                            |
| PL   | 50       | Engine Room Main Wire and Cowl Side J/B LH (Lower Finish Panel)                            |

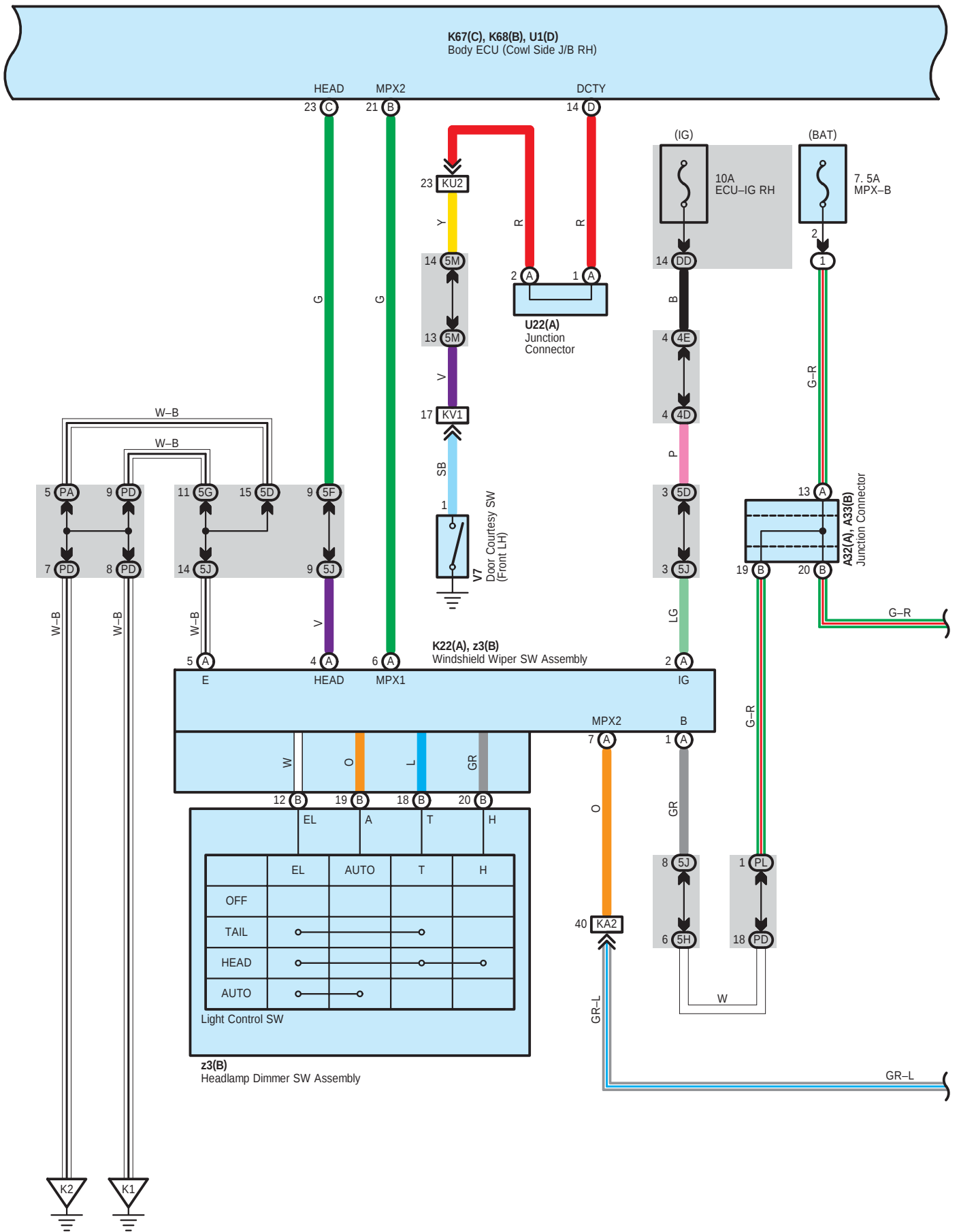
 : Connector Joining Wire Harness and Wire Harness

| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location)                            |
|------|----------|---------------------------------------------------------------------------------------|
| KA2  | 97       | Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)                     |
| KL1  | 97       | Instrument Panel Wire and Instrument Panel No.2 Wire (Center of the Instrument Panel) |
| KU2  | 97       | Instrument Panel Wire and Floor No.1 Wire (Right Kick Panel)                          |
| UV1  | 98       | Floor No.1 Wire and Floor No.2 Wire (Center of the Rear Floor Partition Panel)        |

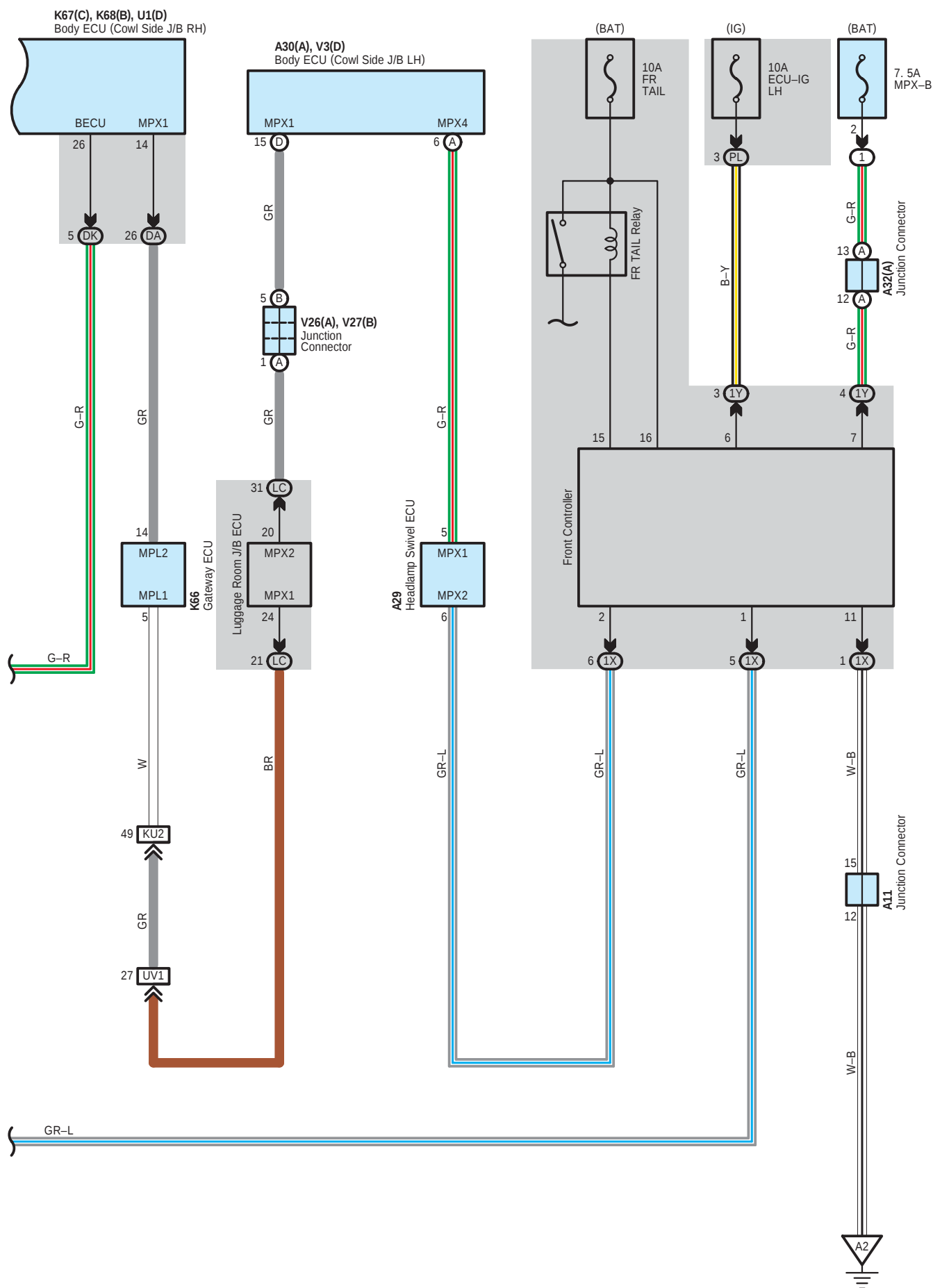
 : Ground Points

| Code | See Page | Ground Points Location       |
|------|----------|------------------------------|
| A2   | 96       | Front Left Fender Apron      |
| K1   | 97       | Left Kick Panel              |
| K2   | 97       | Left Side of the Shift Lever |
| K4   | 97       | Right Kick Panel             |





# Light Auto Turn Off System



 : Parts Location

| Code | See Page | Code | See Page | Code | See Page |
|------|----------|------|----------|------|----------|
| A11  | 80       | K66  | 86       | V7   | 91       |
| A29  | 84       | K67  | C        | V26  | A        |
| A30  | A        | K68  | B        | V27  | B        |
| A32  | A        | U1   | D        | z3   | B        |
| A33  | B        | U22  | A        |      |          |
| K22  | A        | V3   | D        |      |          |

 : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location)            |
|------|----------|------------------------------------------------|
| 1    | 24       | 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)                                       |
|------|----------|--------------------------------------------------------------------------------------------|
| 1F   | 27       | Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment left)                   |
| 1X   | 29       |                                                                                            |
| 1Y   |          |                                                                                            |
| 4D   | 70       | Instrument Panel Wire and Center J/B RH (Right Side of the Instrument Panel Reinforcement) |
| 4E   |          |                                                                                            |
| 5D   | 66       | Instrument Panel Wire and Center J/B LH (Right Side of the Instrument Panel Reinforcement) |
| 5F   |          |                                                                                            |
| 5G   |          |                                                                                            |
| 5H   |          |                                                                                            |
| 5J   |          |                                                                                            |
| 5M   |          |                                                                                            |
| DA   | 55       | Instrument Panel Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| DD   |          |                                                                                            |
| DK   | 56       | Engine Room Main Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| DL   |          |                                                                                            |
| LC   | 63       | Floor No.2 Wire and Luggage Room J/B (Left Side of the Quarter Panel )                     |
| PA   | 49       | Instrument Panel Wire and Cowl Side J/B LH (Lower Finish Panel)                            |
| PD   |          |                                                                                            |
| PL   | 50       | Engine Room Main Wire and Cowl Side J/B LH (Lower Finish Panel)                            |

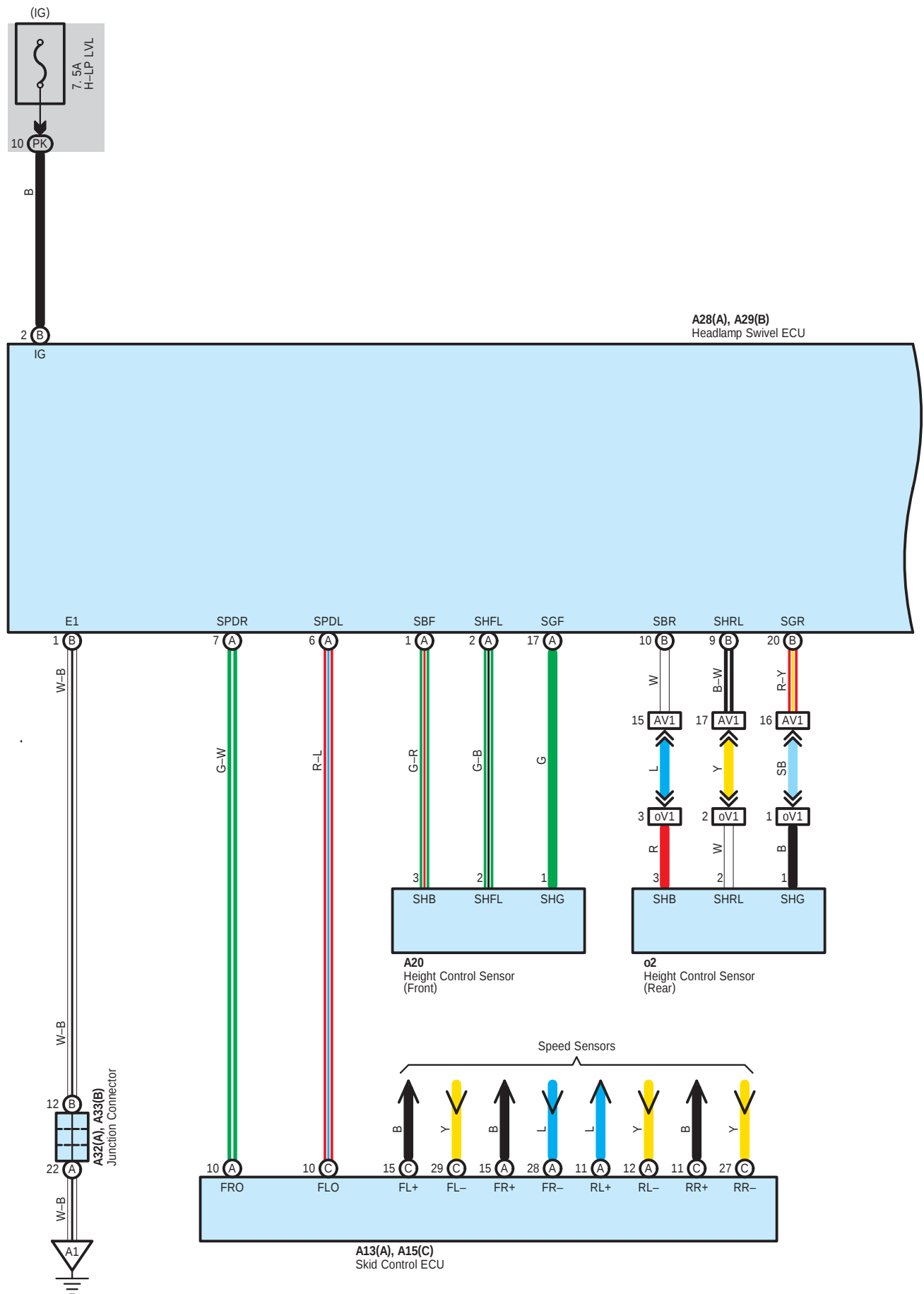
 : Connector Joining Wire Harness and Wire Harness

| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location)                     |
|------|----------|--------------------------------------------------------------------------------|
| KA2  | 97       | Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)              |
| KU2  | 97       | Instrument Panel Wire and Floor No.1 Wire (Right Kick Panel)                   |
| KV1  | 97       | Instrument Panel Wire and Floor No.2 Wire (Left Kick Panel)                    |
| UV1  | 98       | Floor No.1 Wire and Floor No.2 Wire (Center of the Rear Floor Partition Panel) |

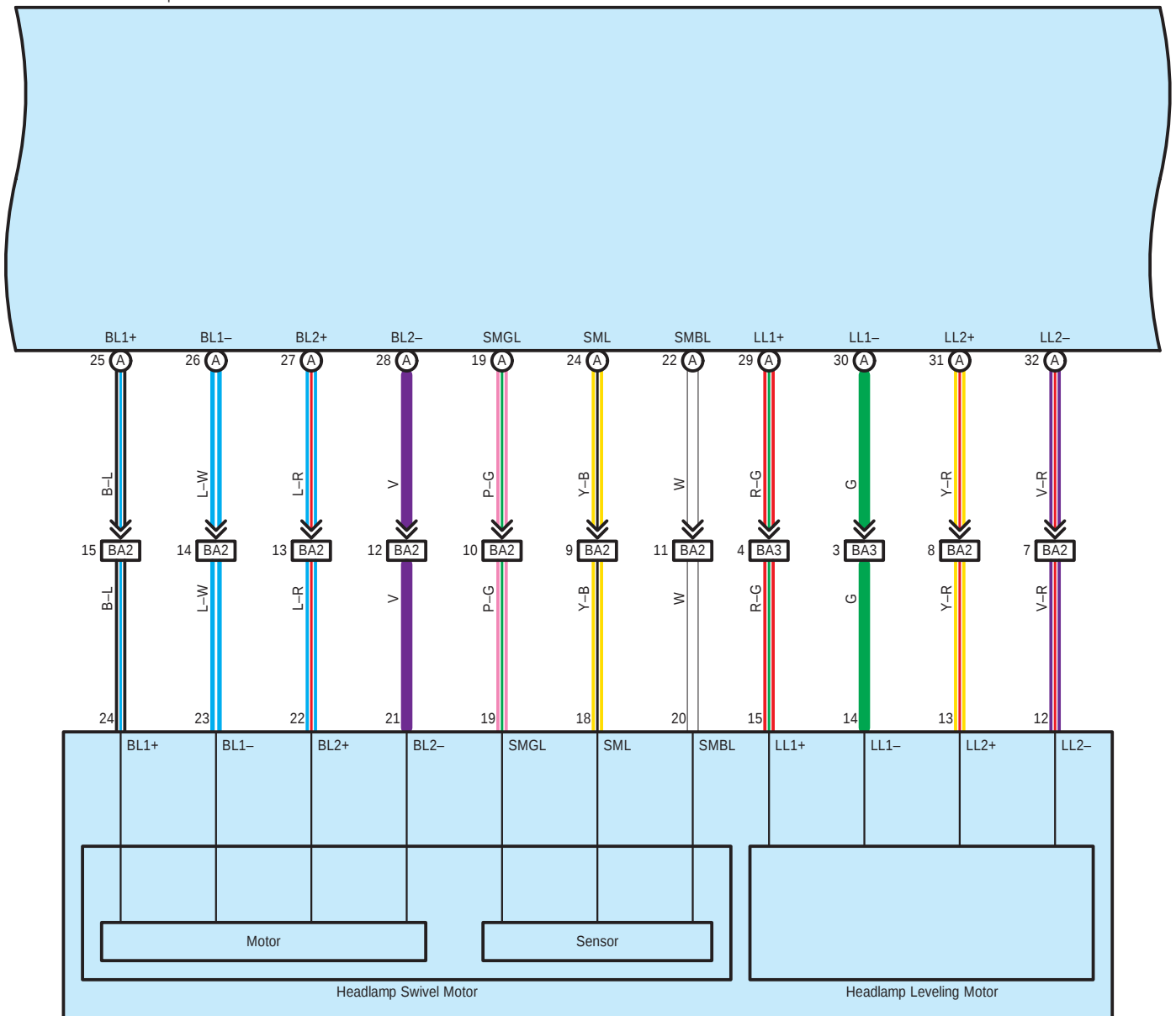
 : Ground Points

| Code | See Page | Ground Points Location       |
|------|----------|------------------------------|
| A2   | 96       | Front Left Fender Apron      |
| K1   | 97       | Left Kick Panel              |
| K2   | 97       | Left Side of the Shift Lever |
| K4   | 97       | Right Kick Panel             |

# Adaptive Front-Lighting System

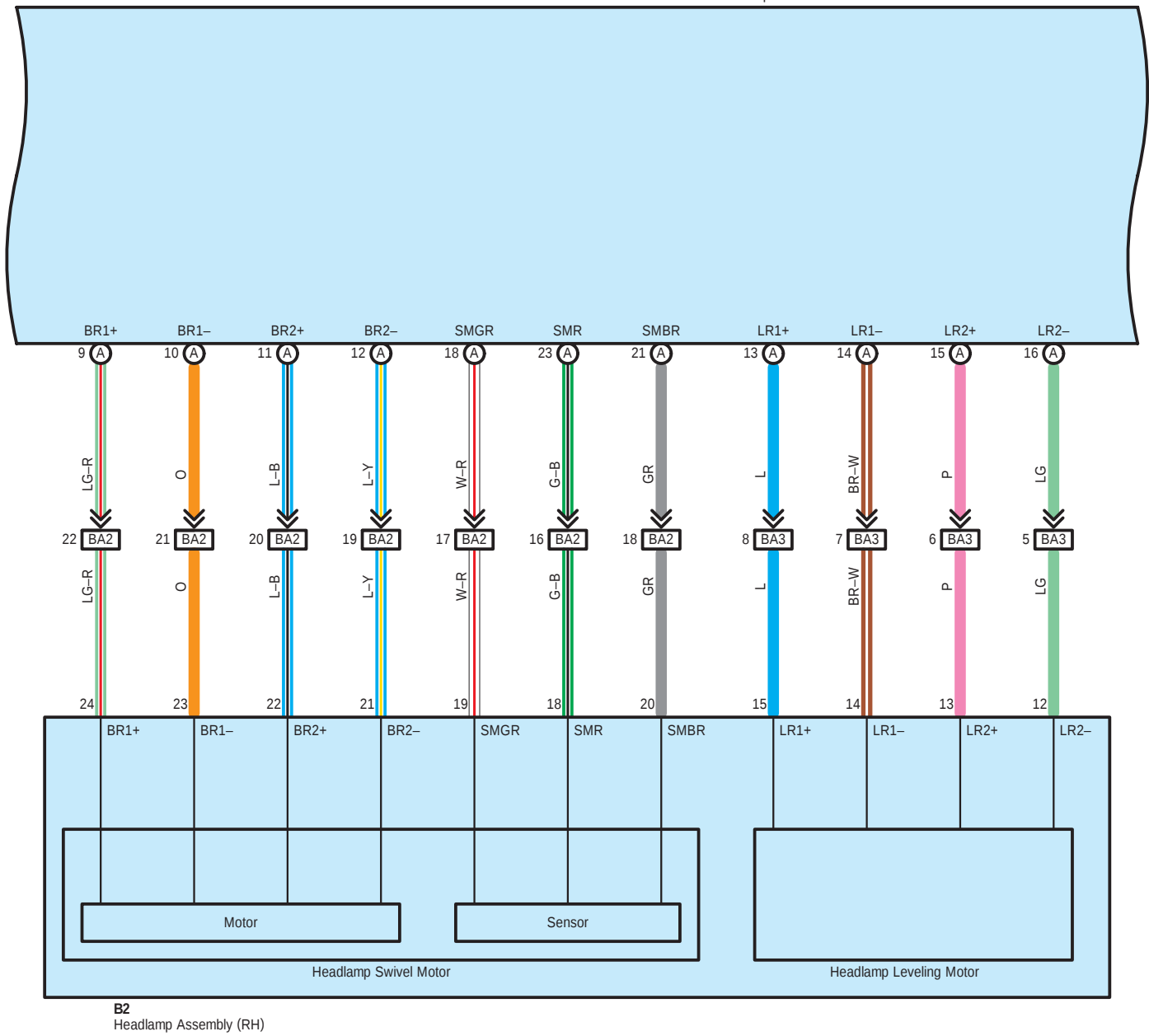


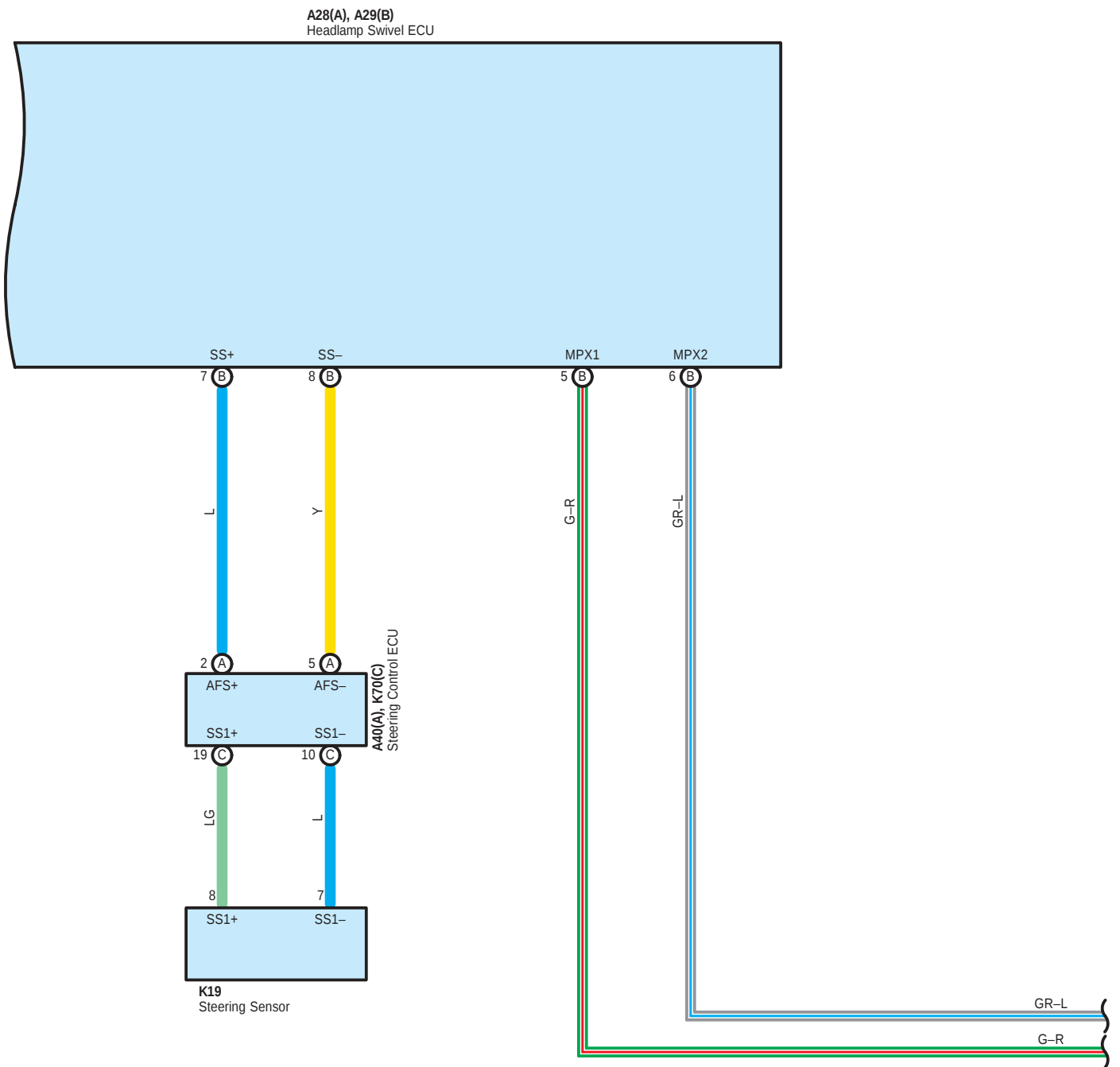
A28(A), A29(B)  
Headlamp Swivel ECU



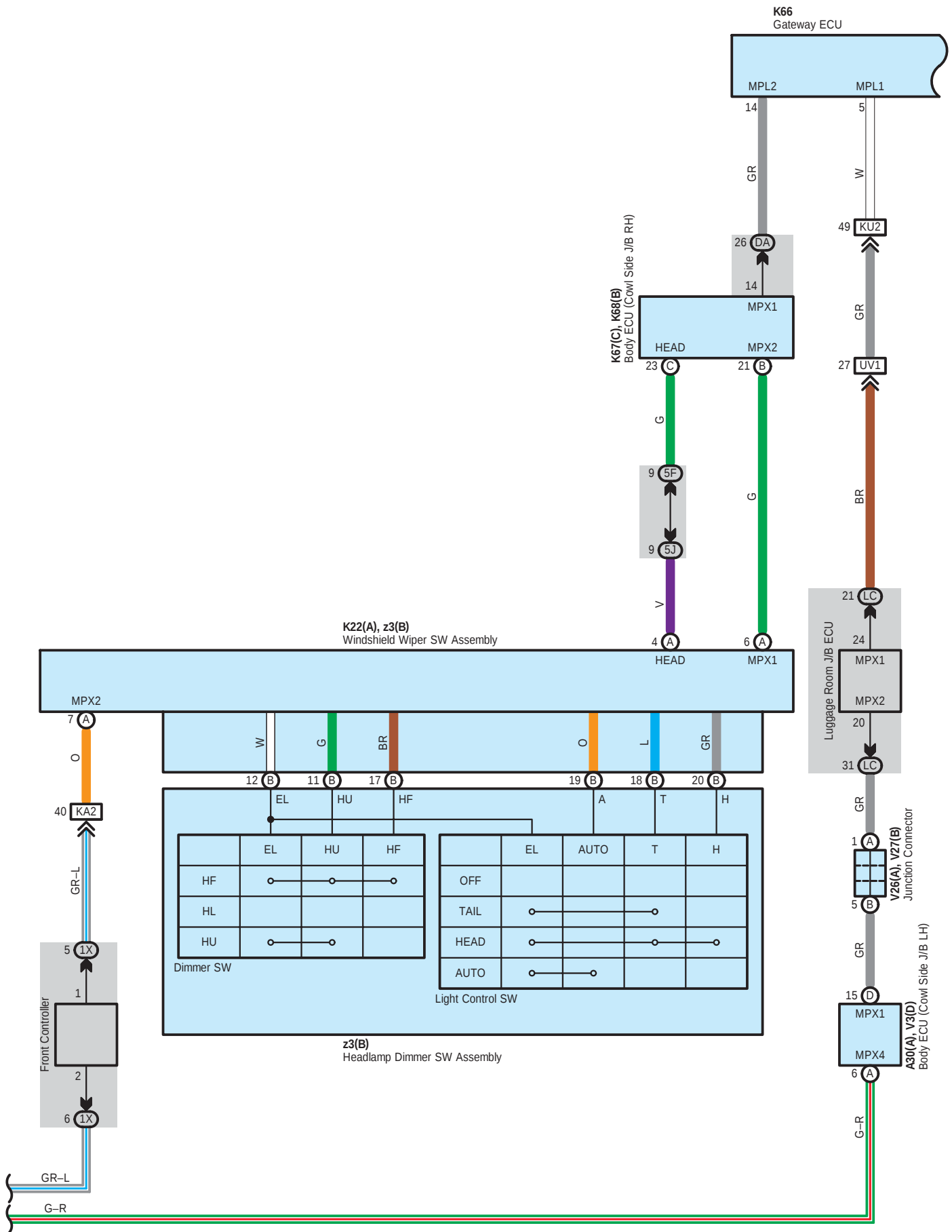
B11  
Headlamp Assembly (LH)

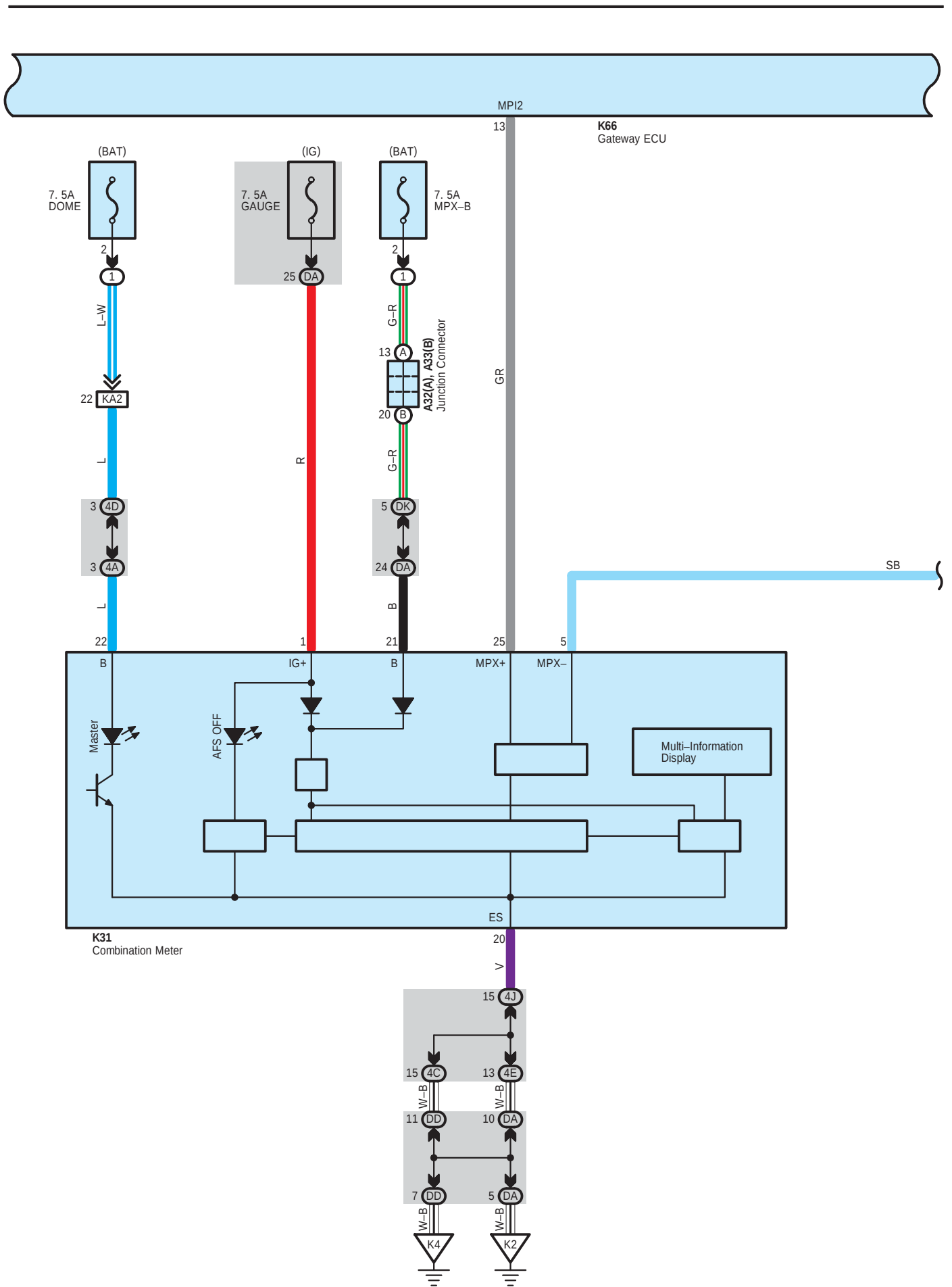
A28(A), A29(B)  
Headlamp Swivel ECU



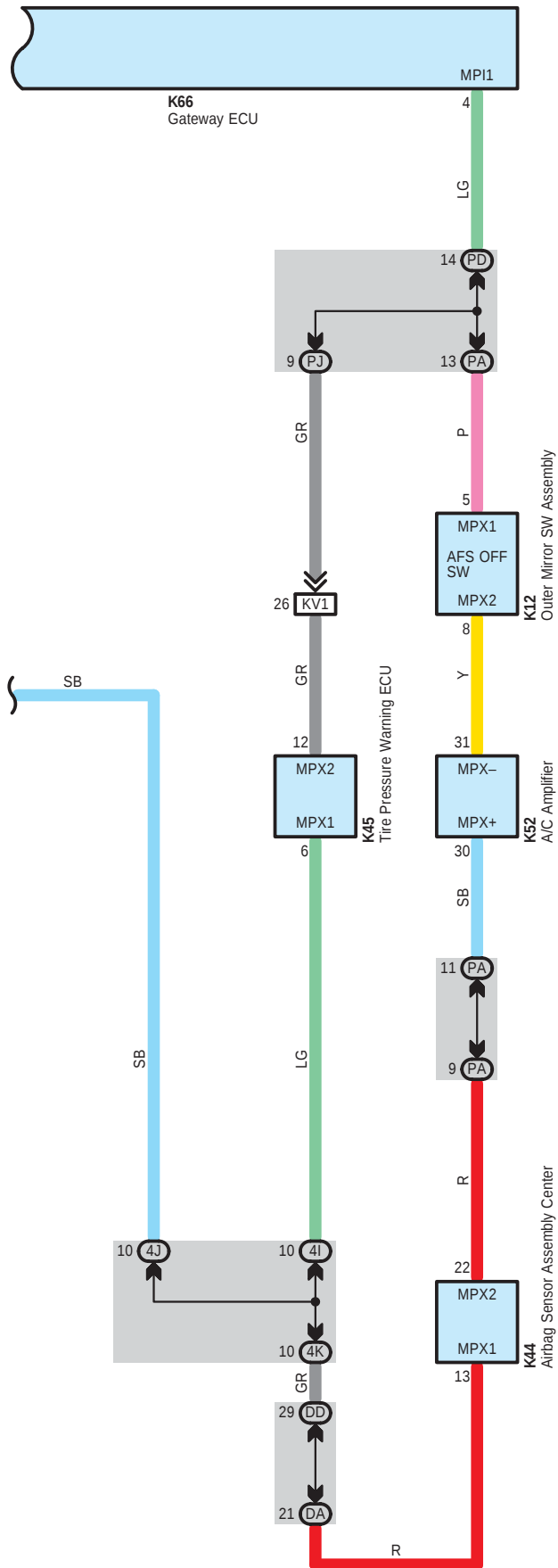


# Adaptive Front-Lighting System





# Adaptive Front-Lighting System



## System Outline

The adaptive front-lighting system ensures the optimized light distribution according to the individual driving situation by automatically adjusting horizontal low beam to pattern for specific driving conditions, such as speed and vehicle direction.

## ○ : Parts Location

| Code |   | See Page | Code | See Page | Code | See Page |    |    |
|------|---|----------|------|----------|------|----------|----|----|
| A13  | A | 80       | B2   | 82       | K66  |          | 86 |    |
| A15  | C | 80       | B11  | 82       | K67  | C        | 86 |    |
| A20  |   | 80       | K12  | 85       | K68  | B        | 86 |    |
| A28  | A | 84       | K19  | 85       | K70  | C        | 86 |    |
| A29  | B | 84       | K22  | A        | 85   | V3       | D  | 87 |
| A30  | A | 84       | K31  | 85       | V26  | A        | 91 |    |
| A32  | A | 84       | K44  | 86       | V27  | B        | 91 |    |
| A33  | B | 84       | K45  | 86       | o2   |          | 93 |    |
| A40  | A | 84       | K52  | 86       | z3   | B        | 87 |    |

## ○ : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location)            |
|------|----------|------------------------------------------------|
| 1    | 24       | 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)                                       |
|------|----------|--------------------------------------------------------------------------------------------|
| 1X   | 29       | Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment left)                   |
| 4A   | 70       | Instrument Panel Wire and Center J/B RH (Right Side of the Instrument Panel Reinforcement) |
| 4C   |          |                                                                                            |
| 4D   |          |                                                                                            |
| 4E   |          |                                                                                            |
| 4I   |          |                                                                                            |
| 4J   |          |                                                                                            |
| 4K   |          |                                                                                            |
| 5F   | 66       | Instrument Panel Wire and Center J/B LH (Right Side of the Instrument Panel Reinforcement) |
| 5J   | 55       | Instrument Panel Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| DA   |          |                                                                                            |
| DD   | 56       | Engine Room Main Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| DK   | 63       | Floor No.2 Wire and Luggage Room J/B (Left Side of the Quarter Panel )                     |
| LC   | 49       | Instrument Panel Wire and Cowl Side J/B LH (Lower Finish Panel)                            |
| PA   |          |                                                                                            |
| PD   | 50       | Floor No.2 Wire and Cowl Side J/B LH (Lower Finish Panel)                                  |
| PJ   | 50       | Floor No.2 Wire and Cowl Side J/B LH (Lower Finish Panel)                                  |
| PK   | 50       | Engine Room Main Wire and Cowl Side J/B LH (Lower Finish Panel)                            |

## □ : Connector Joining Wire Harness and Wire Harness

| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location)                                         |
|------|----------|----------------------------------------------------------------------------------------------------|
| AV1  | 97       | Engine Room Main Wire and Floor No.2 Wire (Cowl Side Panel LH)                                     |
| BA2  | 96       | Engine Room No.2 Wire and Engine Room Main Wire (Inside of the Engine Room R/B No.2 )              |
| BA3  |          |                                                                                                    |
| KA2  | 97       | Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)                                  |
| KU2  | 97       | Instrument Panel Wire and Floor No.1 Wire (Right Kick Panel)                                       |
| KV1  | 97       | Instrument Panel Wire and Floor No.2 Wire (Left Kick Panel)                                        |
| UV1  | 98       | Floor No.1 Wire and Floor No.2 Wire (Center of the Rear Floor Partition Panel)                     |
| oV1  | 98       | Skid Control Sensor Wire Rear RH and Floor No.2 Wire (Left Side of the Rear Floor Partition Panel) |

## Adaptive Front–Lighting System

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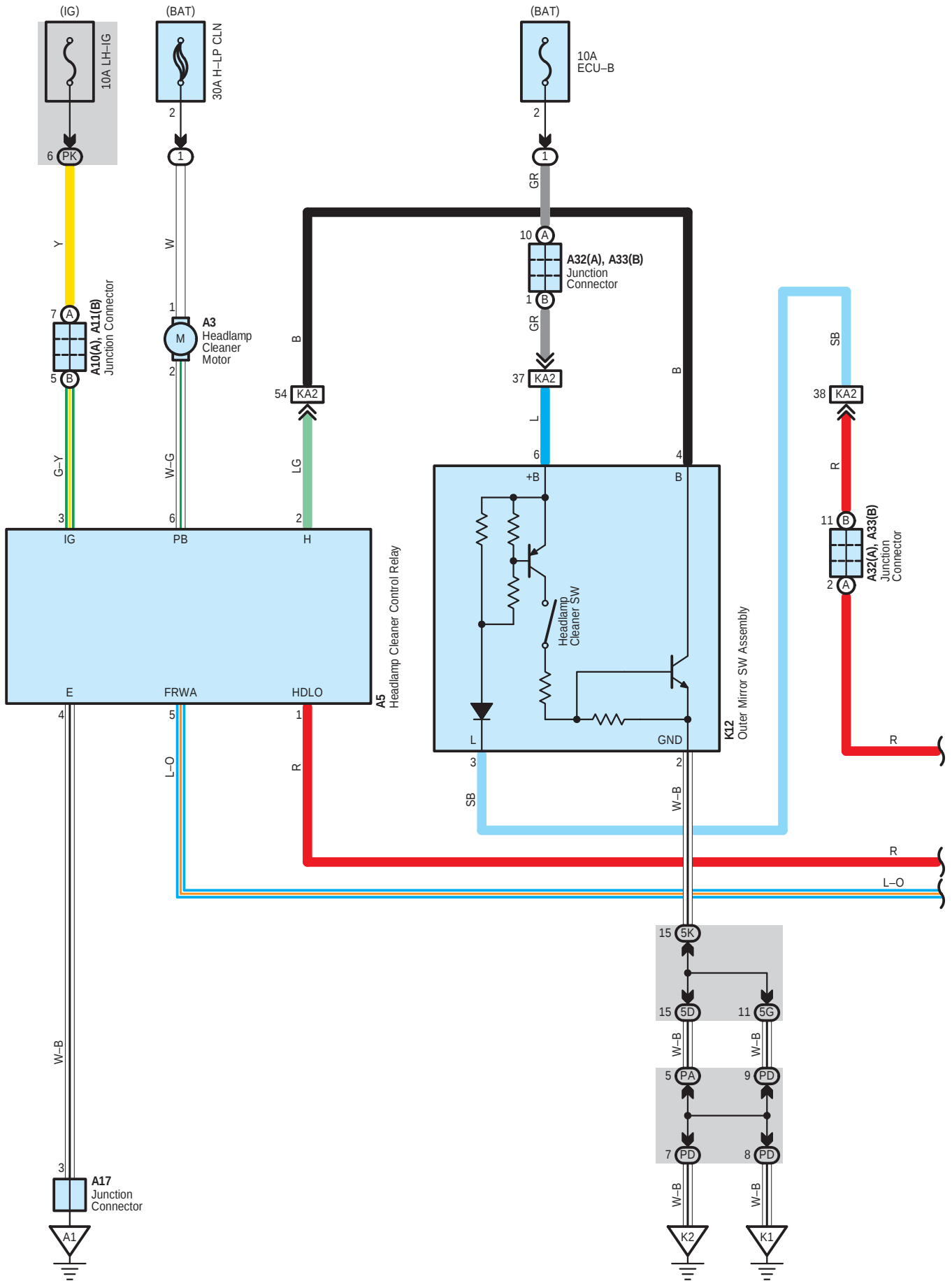


: Ground Points

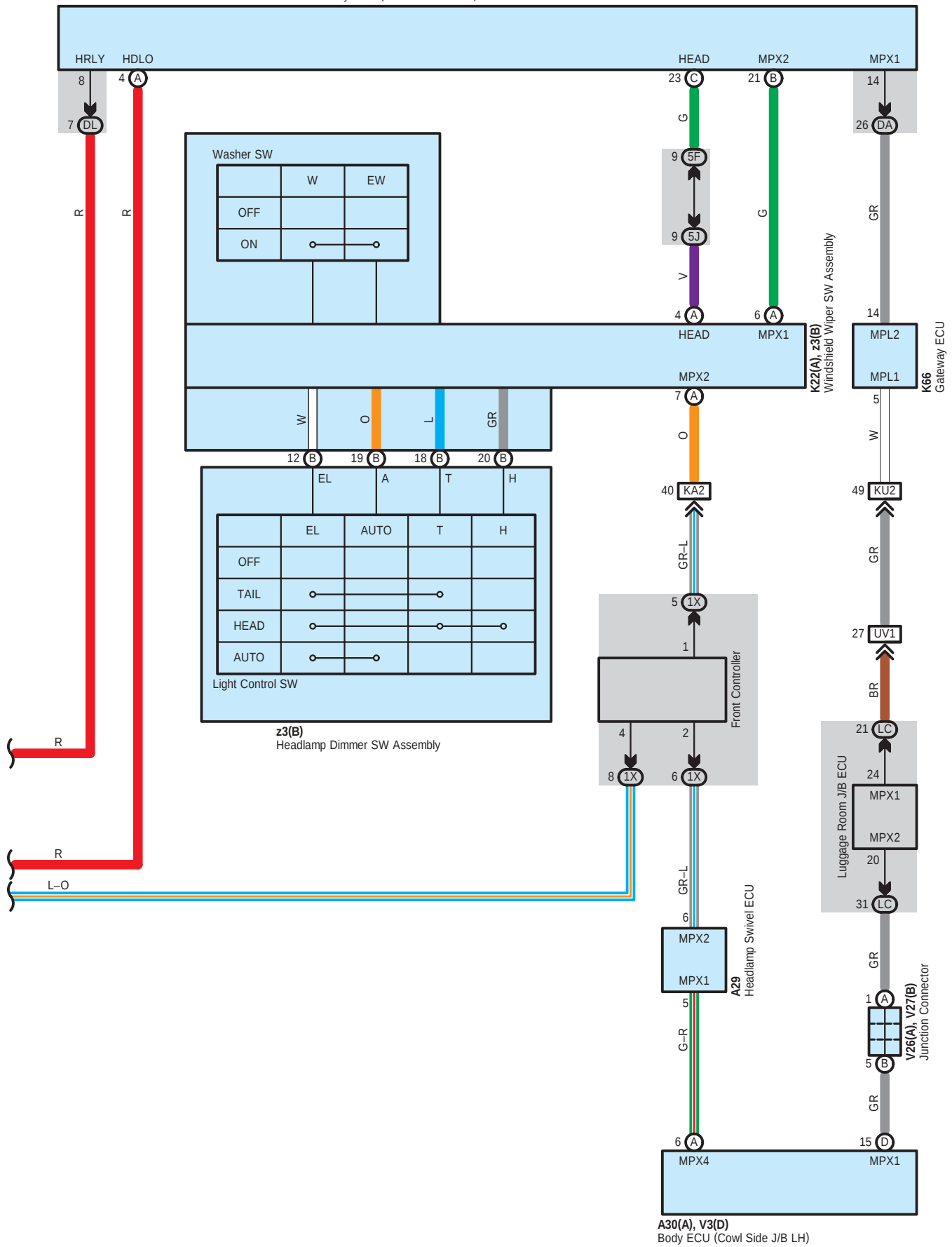
| Code | See Page | Ground Points Location       |
|------|----------|------------------------------|
| A1   | 96       | Left Side of the Dash Panel  |
| K2   | 97       | Left Side of the Shift Lever |
| K4   | 97       | Right Kick Panel             |



# Headlight Cleaner



A39(A), K67(C), K68(B)  
Body ECU (Cowl Side J/B RH)



# Headlight Cleaner

## : Parts Location

| Code |   | See Page |  | Code |   | See Page |  | Code |   | See Page |  |
|------|---|----------|--|------|---|----------|--|------|---|----------|--|
| A3   |   | 80       |  | A32  | A | 84       |  | K68  | B | 86       |  |
| A5   |   | 80       |  | A33  | B | 84       |  | V3   | D | 87       |  |
| A10  | A | 80       |  | A39  | A | 84       |  | V26  | A | 91       |  |
| A11  | B | 80       |  | K12  |   | 85       |  | V27  | B | 91       |  |
| A17  |   | 80       |  | K22  | A | 85       |  | z3   | B | 87       |  |
| A29  |   | 84       |  | K66  |   | 86       |  |      |   |          |  |
| A30  | A | 84       |  | K67  | C | 86       |  |      |   |          |  |

## : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location)            |
|------|----------|------------------------------------------------|
| 1    | 24       | 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)                                       |
|------|----------|--------------------------------------------------------------------------------------------|
| 1X   | 29       | Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment left)                   |
| 5D   | 66       | Instrument Panel Wire and Center J/B LH (Right Side of the Instrument Panel Reinforcement) |
| 5F   |          |                                                                                            |
| 5G   |          |                                                                                            |
| 5J   |          |                                                                                            |
| 5K   |          |                                                                                            |
| DA   | 55       | Instrument Panel Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| DL   | 56       | Engine Room Main Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| LC   | 63       | Floor No.2 Wire and Luggage Room J/B (Left Side of the Quarter Panel )                     |
| PA   | 49       | Instrument Panel Wire and Cowl Side J/B LH (Lower Finish Panel)                            |
| PD   |          |                                                                                            |
| PK   | 50       | Engine Room Main Wire and Cowl Side J/B LH (Lower Finish Panel)                            |

## : Connector Joining Wire Harness and Wire Harness

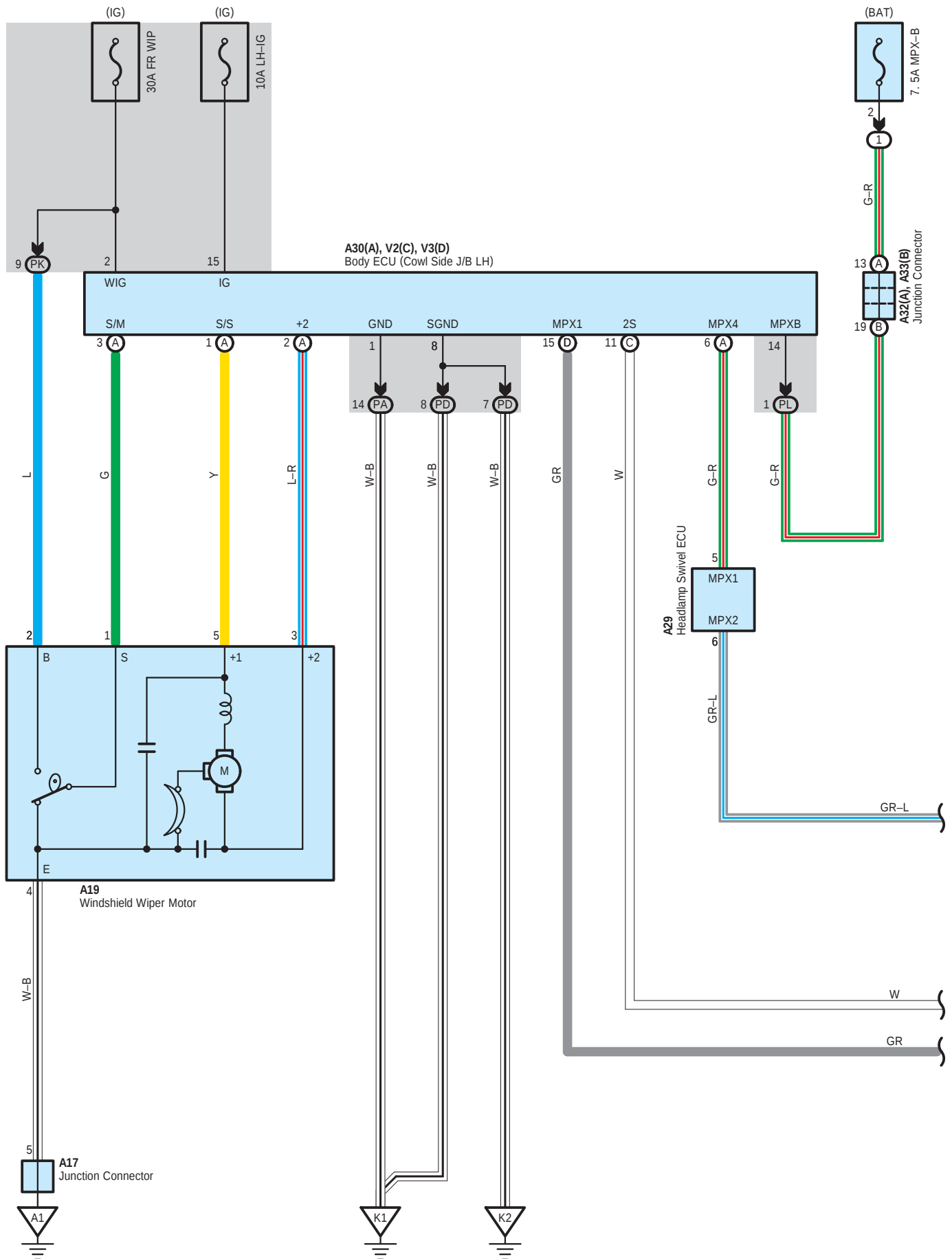
| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location)                     |
|------|----------|--------------------------------------------------------------------------------|
| KA2  | 97       | Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)              |
| KU2  | 97       | Instrument Panel Wire and Floor No.1 Wire (Right Kick Panel)                   |
| UV1  | 98       | Floor No.1 Wire and Floor No.2 Wire (Center of the Rear Floor Partition Panel) |

## : Ground Points

| Code | See Page | Ground Points Location       |
|------|----------|------------------------------|
| A1   | 96       | Left Side of the Dash Panel  |
| K1   | 97       | Left Kick Panel              |
| K2   | 97       | Left Side of the Shift Lever |

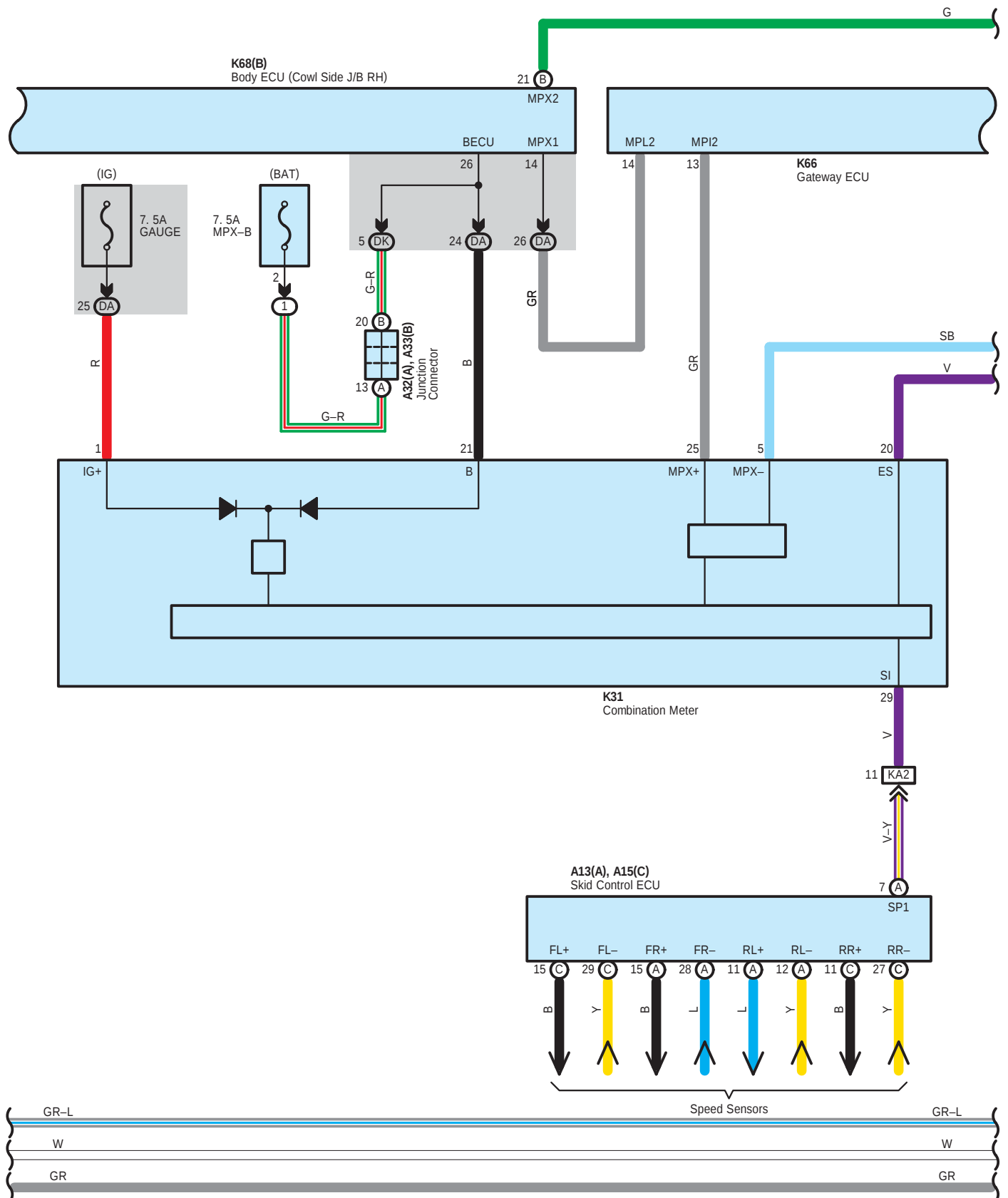


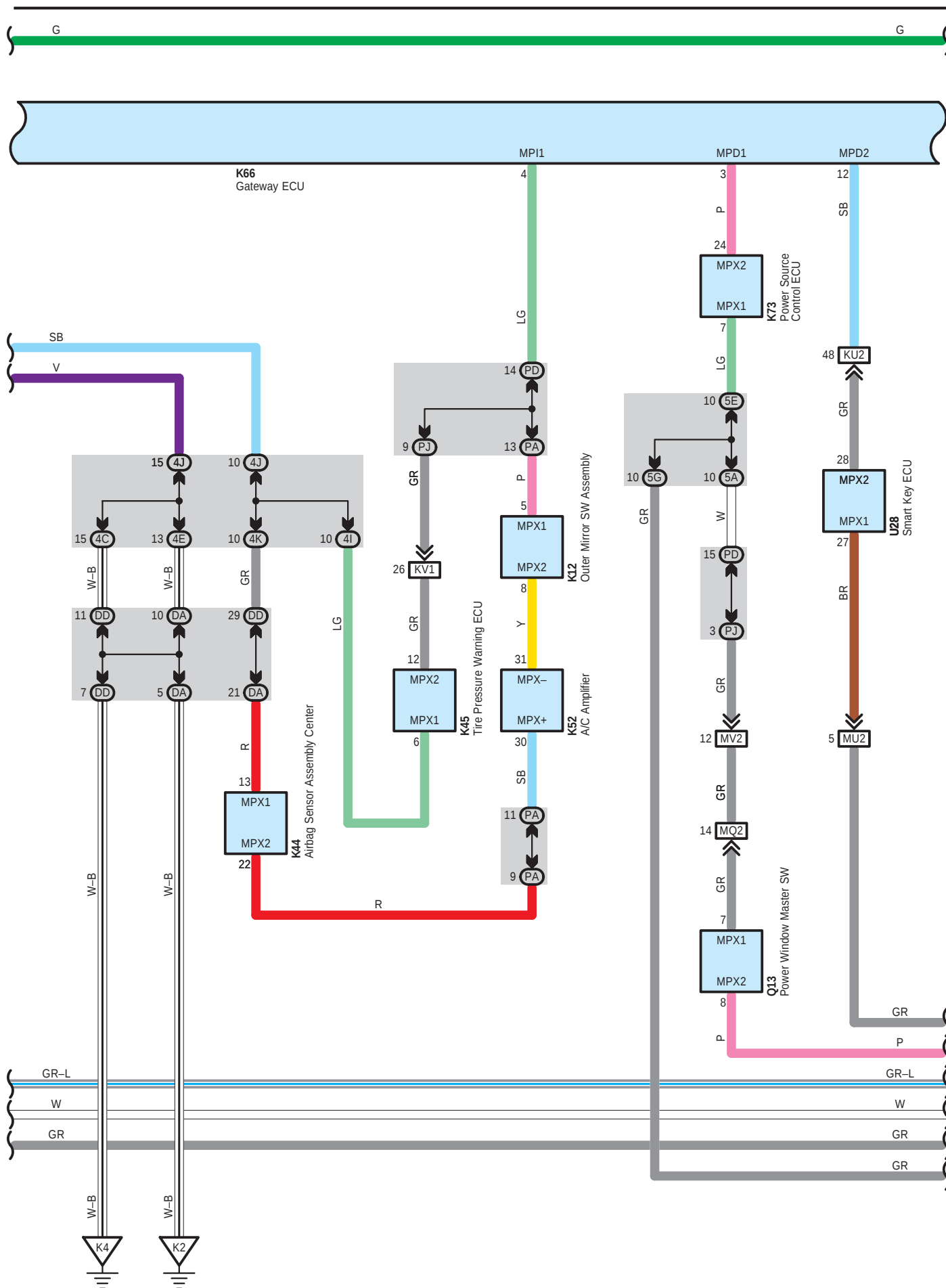
# Front Wiper and Washer



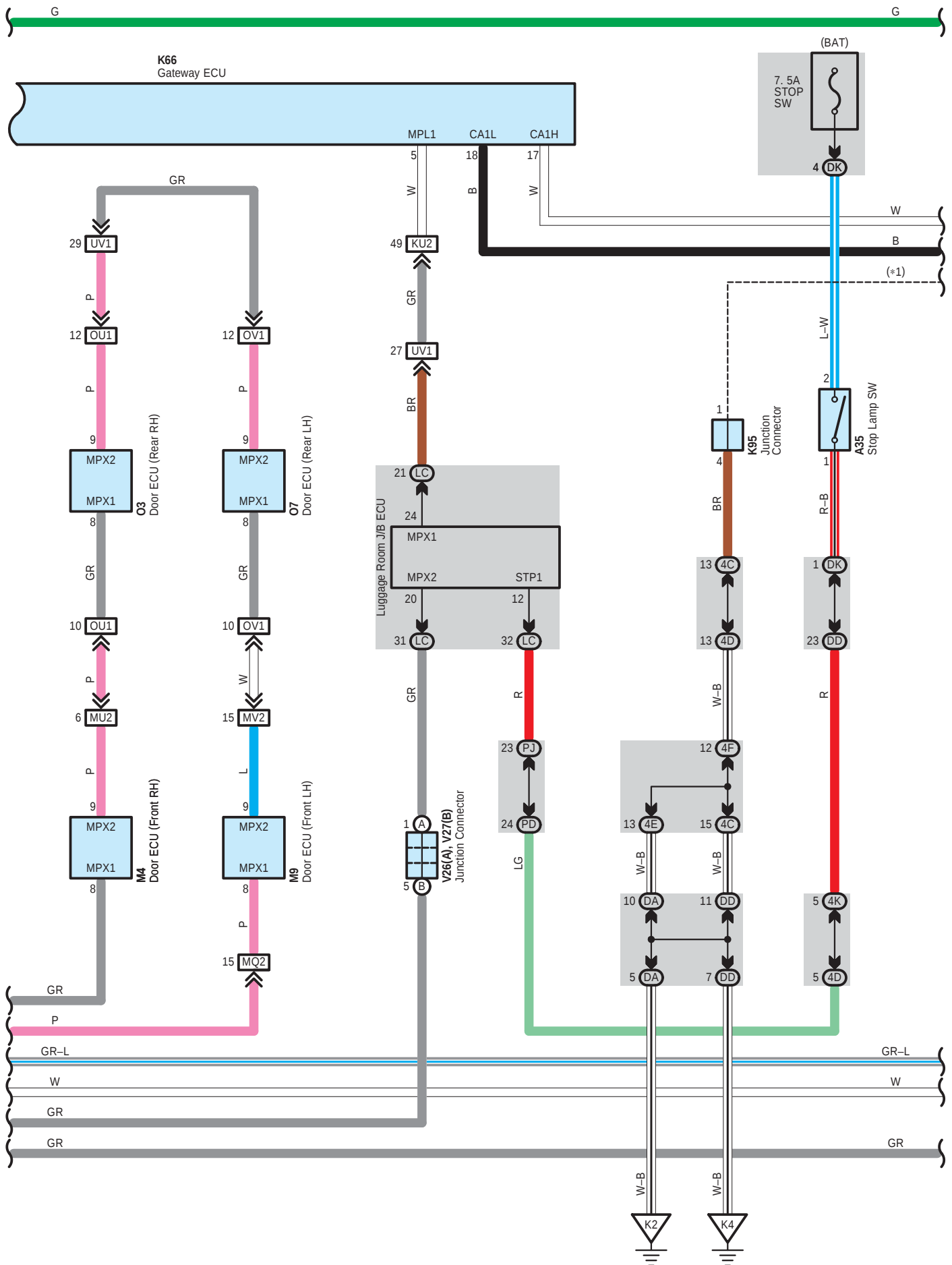


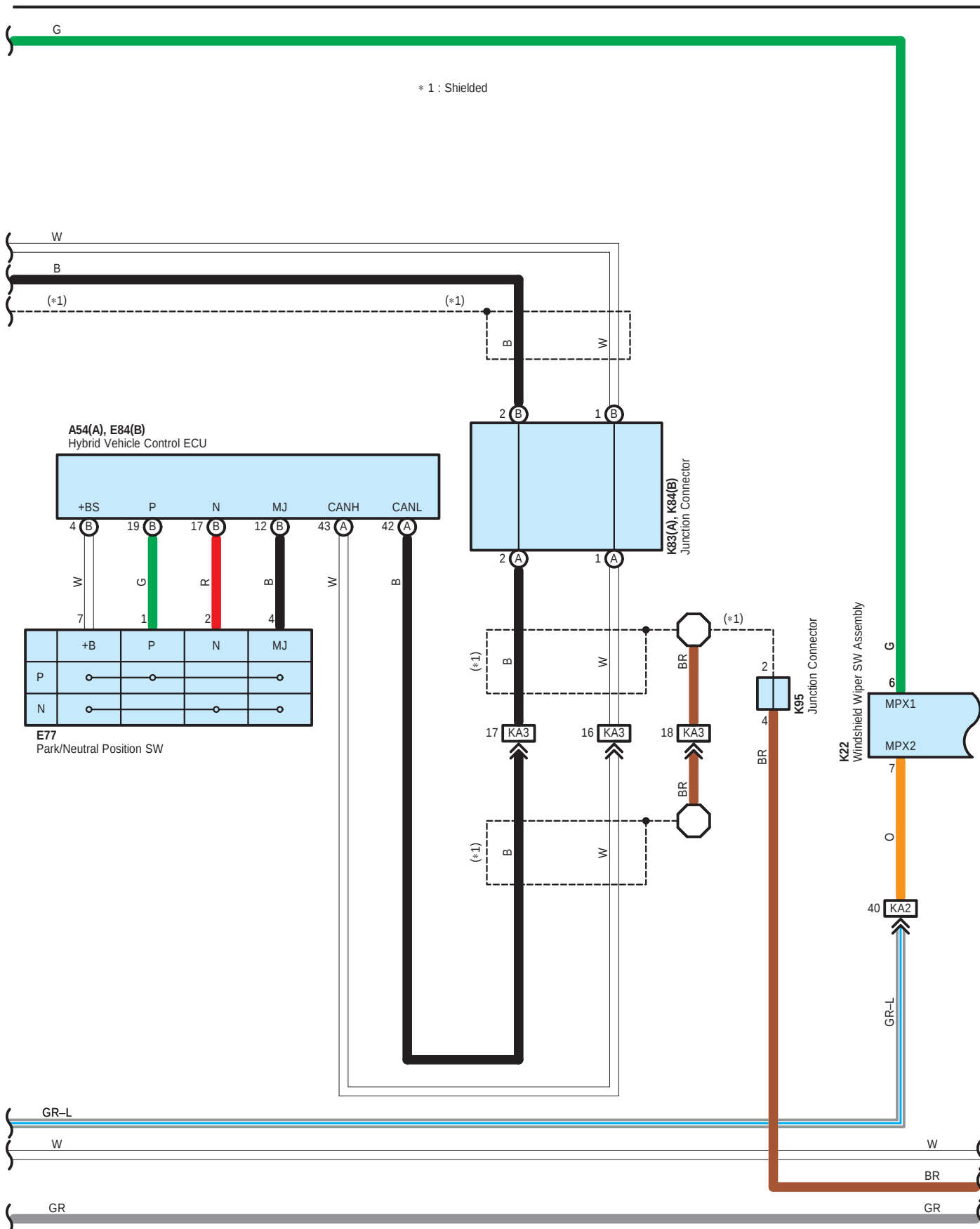
# Front Wiper and Washer



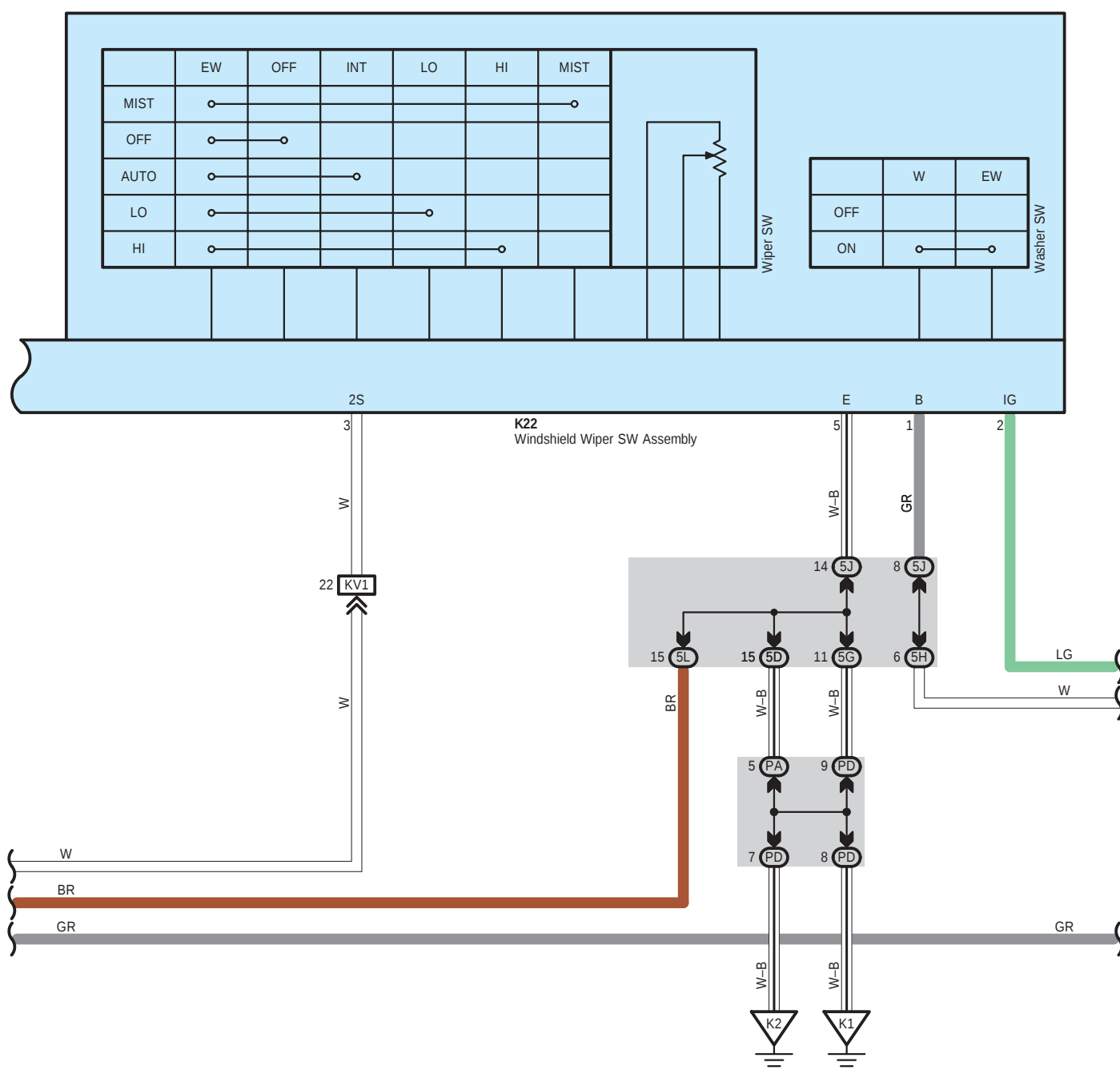


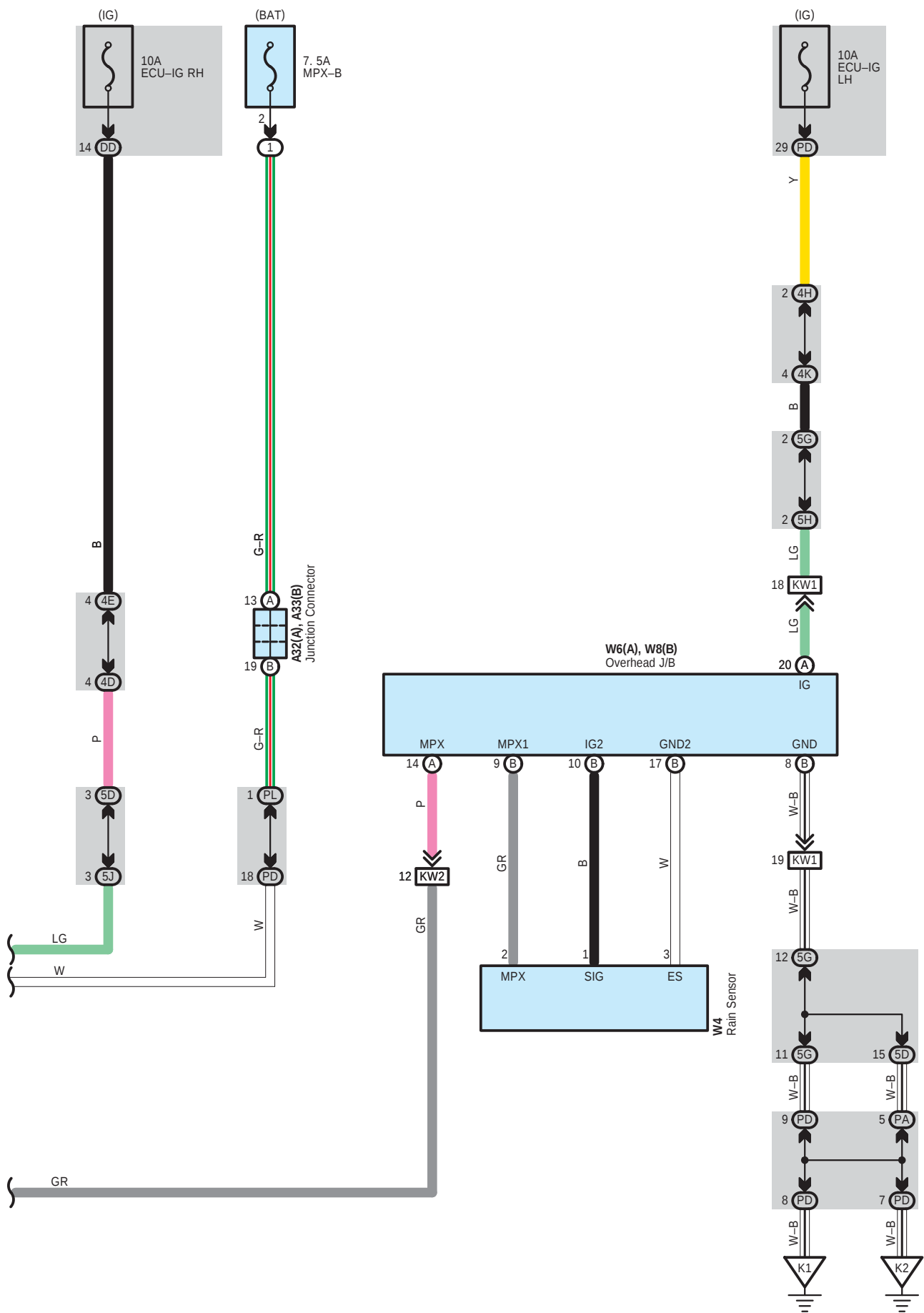
# Front Wiper and Washer





# Front Wiper and Washer





# Front Wiper and Washer

## : Parts Location

| Code |   | See Page |  | Code |   | See Page |  | Code |   | See Page |  |
|------|---|----------|--|------|---|----------|--|------|---|----------|--|
| A2   |   | 80       |  | E84  | B | 81       |  | M4   |   | 88       |  |
| A13  | A | 80       |  | K12  |   | 85       |  | M9   |   | 88       |  |
| A15  | C | 80       |  | K22  |   | 85       |  | O3   |   | 88       |  |
| A17  |   | 80       |  | K31  |   | 85       |  | O7   |   | 88       |  |
| A19  |   | 80       |  | K44  |   | 86       |  | Q13  |   | 89       |  |
| A29  |   | 84       |  | K45  |   | 86       |  | U28  |   | 90       |  |
| A30  | A | 84       |  | K52  |   | 86       |  | V2   | C | 87       |  |
| A31  |   | 84       |  | K66  |   | 86       |  | V3   | D | 87       |  |
| A32  | A | 84       |  | K68  | B | 86       |  | V26  | A | 91       |  |
| A33  | B | 84       |  | K73  |   | 86       |  | V27  | B | 91       |  |
| A35  |   | 84       |  | K83  | A | 78, 86   |  | W4   |   | 92       |  |
| A54  | A | 80       |  | K84  | B | 78, 86   |  | W6   | A | 92       |  |
| E77  |   | 81       |  | K95  |   | 86       |  | W8   | B | 92       |  |

## : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location)            |
|------|----------|------------------------------------------------|
| 1    | 24       | 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)                                       |
|------|----------|--------------------------------------------------------------------------------------------|
| 1X   | 29       | Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment left)                   |
| 4C   | 70       | Instrument Panel Wire and Center J/B RH (Right Side of the Instrument Panel Reinforcement) |
| 4D   |          |                                                                                            |
| 4E   |          |                                                                                            |
| 4F   |          |                                                                                            |
| 4H   |          |                                                                                            |
| 4I   |          |                                                                                            |
| 4J   |          |                                                                                            |
| 4K   |          |                                                                                            |
| 5A   | 66       | Instrument Panel Wire and Center J/B LH (Right Side of the Instrument Panel Reinforcement) |
| 5D   |          |                                                                                            |
| 5E   |          |                                                                                            |
| 5G   |          |                                                                                            |
| 5H   |          |                                                                                            |
| 5J   |          |                                                                                            |
| 5L   |          |                                                                                            |
| DA   | 55       | Instrument Panel Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| DD   |          |                                                                                            |
| DK   | 56       | Engine Room Main Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| DL   |          |                                                                                            |
| LC   | 63       | Floor No.2 Wire and Luggage Room J/B (Left Side of the Quarter Panel )                     |
| PA   | 49       | Instrument Panel Wire and Cowl Side J/B LH (Lower Finish Panel)                            |
| PD   |          |                                                                                            |
| PJ   | 50       | Floor No.2 Wire and Cowl Side J/B LH (Lower Finish Panel)                                  |
| PK   | 50       | Engine Room Main Wire and Cowl Side J/B LH (Lower Finish Panel)                            |
| PL   |          |                                                                                            |

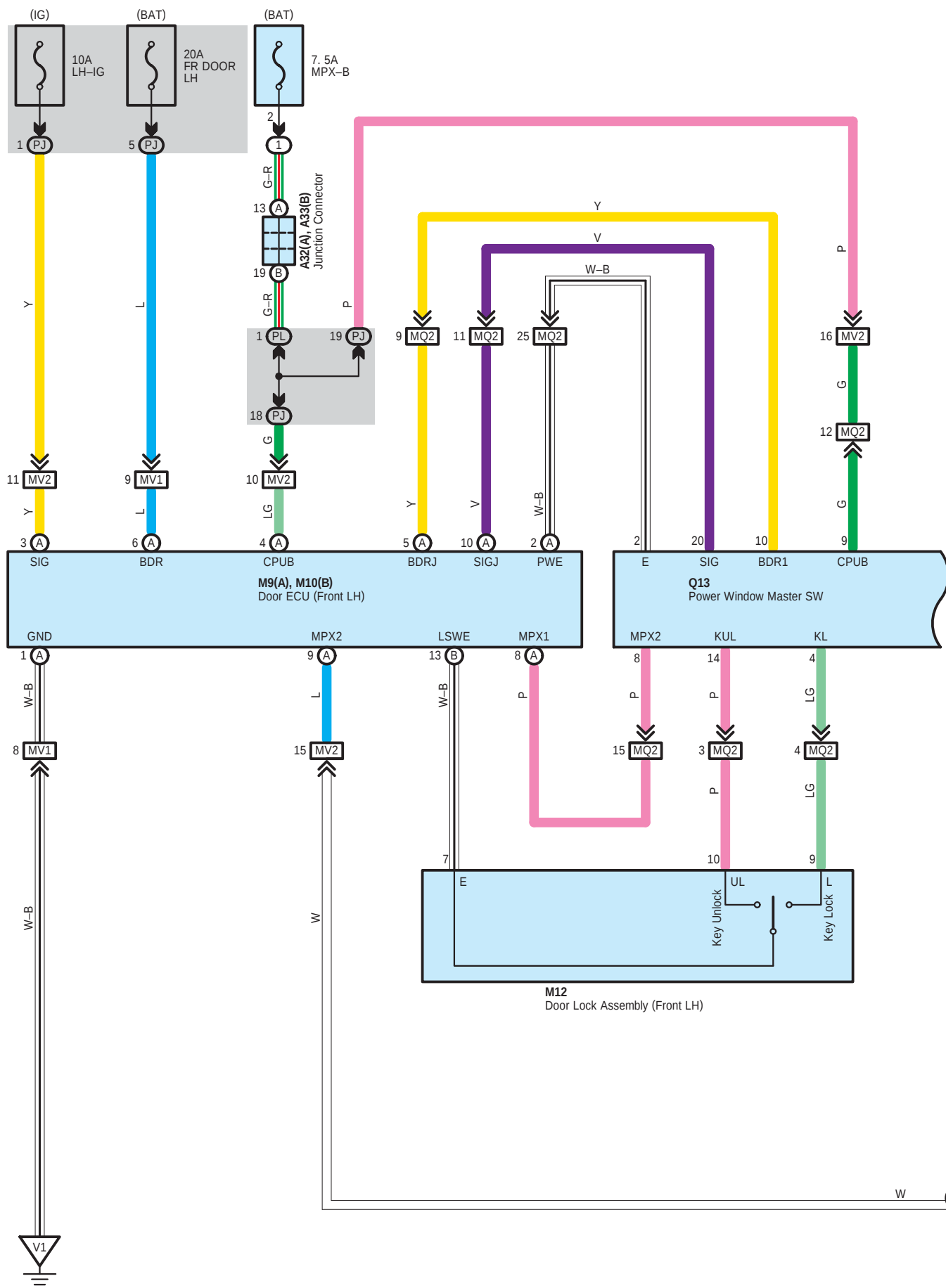
 : Connector Joining Wire Harness and Wire Harness

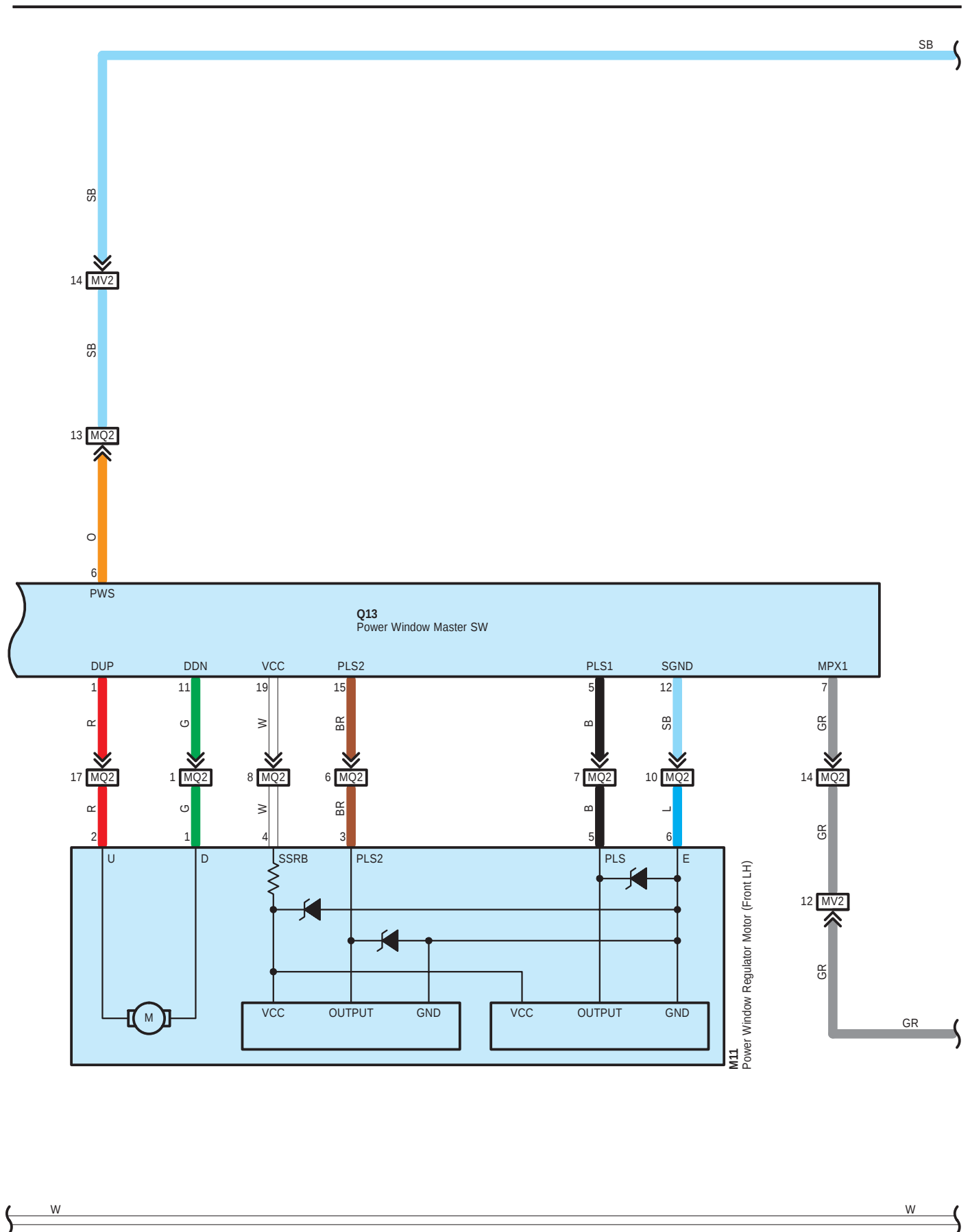
| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location)                     |
|------|----------|--------------------------------------------------------------------------------|
| KA2  | 97       | Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)              |
| KA3  | 97       | Instrument Panel Wire and Engine Room Main Wire (Right Kick Panel)             |
| KU2  | 97       | Instrument Panel Wire and Floor No.1 Wire (Right Kick Panel)                   |
| KV1  | 97       | Instrument Panel Wire and Floor No.2 Wire (Left Kick Panel)                    |
| KW1  | 97       | Instrument Panel Wire and Roof Wire (Left Side of the Instrument Panel)        |
| KW2  |          |                                                                                |
| MQ2  | 98       | Front Door LH Wire and Front Door LH No.2 Wire (Front Door Inner Panel LH)     |
| MU2  | 97       | Front Door RH Wire and Floor No.1 Wire (Right Kick Panel)                      |
| MV2  | 97       | Front Door LH Wire and Floor No.2 Wire (Left Kick Panel)                       |
| OU1  | 98       | Rear Door No.1 Wire and Floor No.1 Wire (Right Center Pillar)                  |
| OV1  | 98       | Rear Door No.2 Wire and Floor No.2 Wire (Left Center Pillar)                   |
| UV1  | 98       | Floor No.1 Wire and Floor No.2 Wire (Center of the Rear Floor Partition Panel) |

 : Ground Points

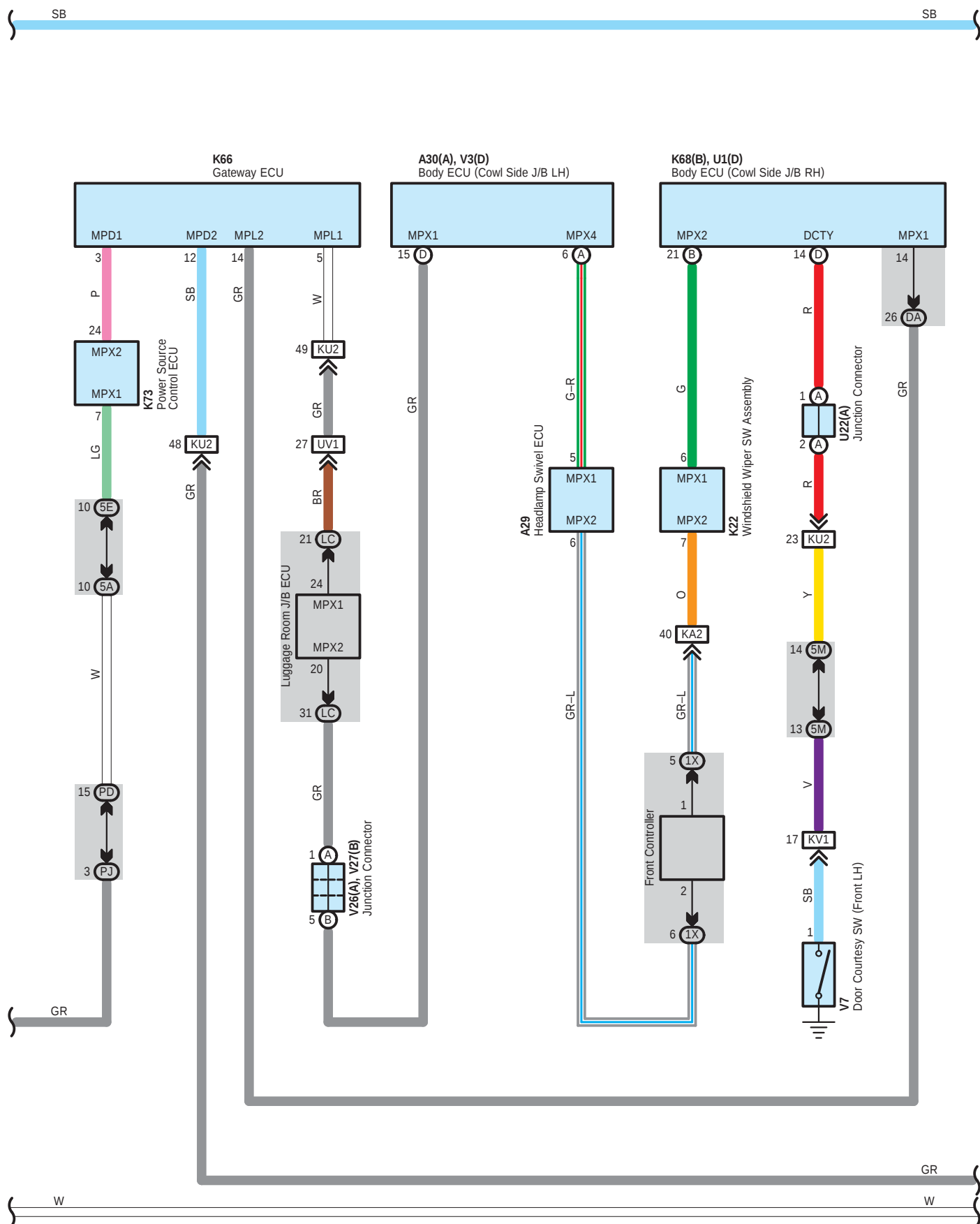
| Code | See Page | Ground Points Location       |
|------|----------|------------------------------|
| A1   | 96       | Left Side of the Dash Panel  |
| K1   | 97       | Left Kick Panel              |
| K2   | 97       | Left Side of the Shift Lever |
| K4   | 97       | Right Kick Panel             |

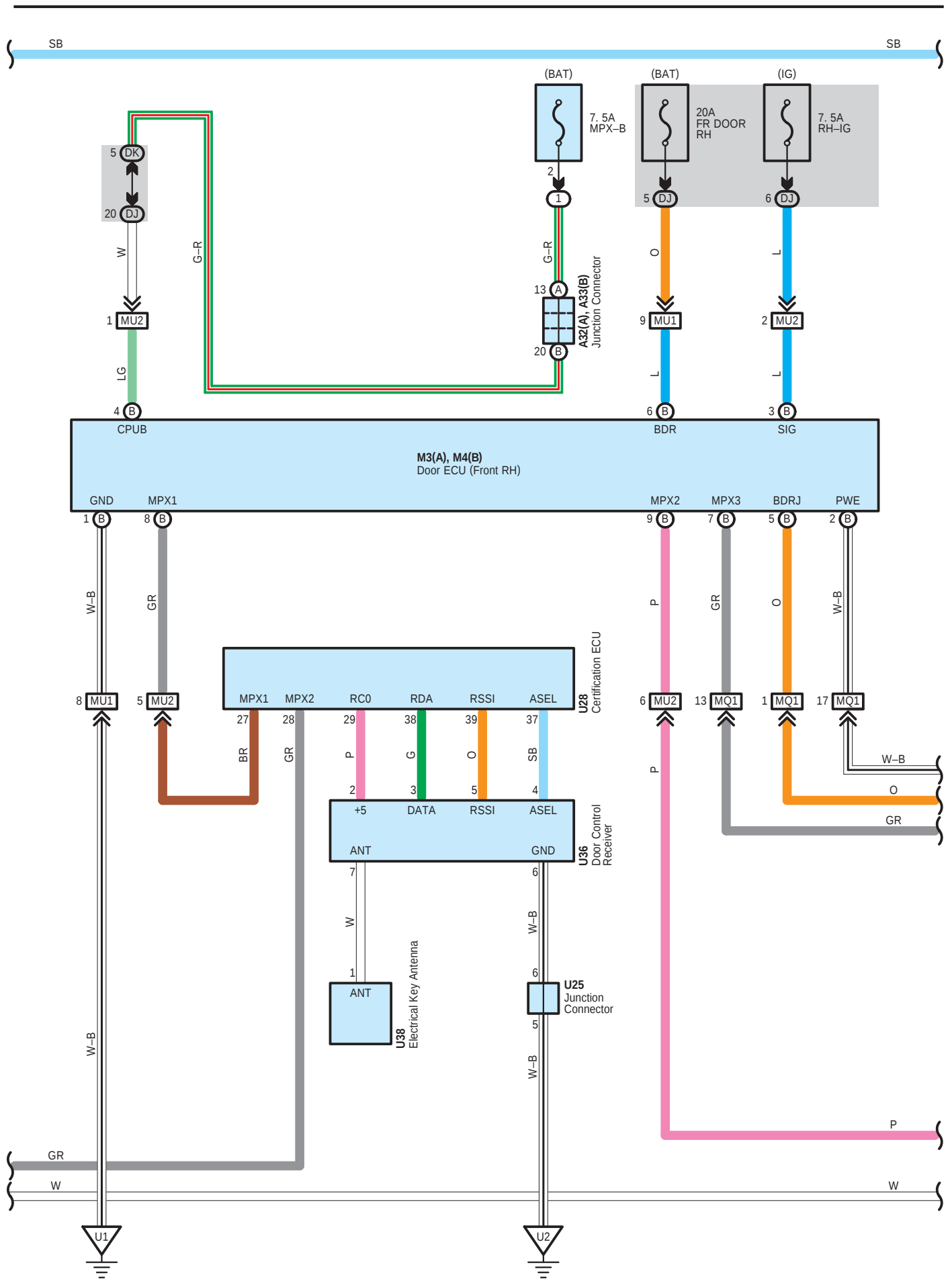
# Power Window



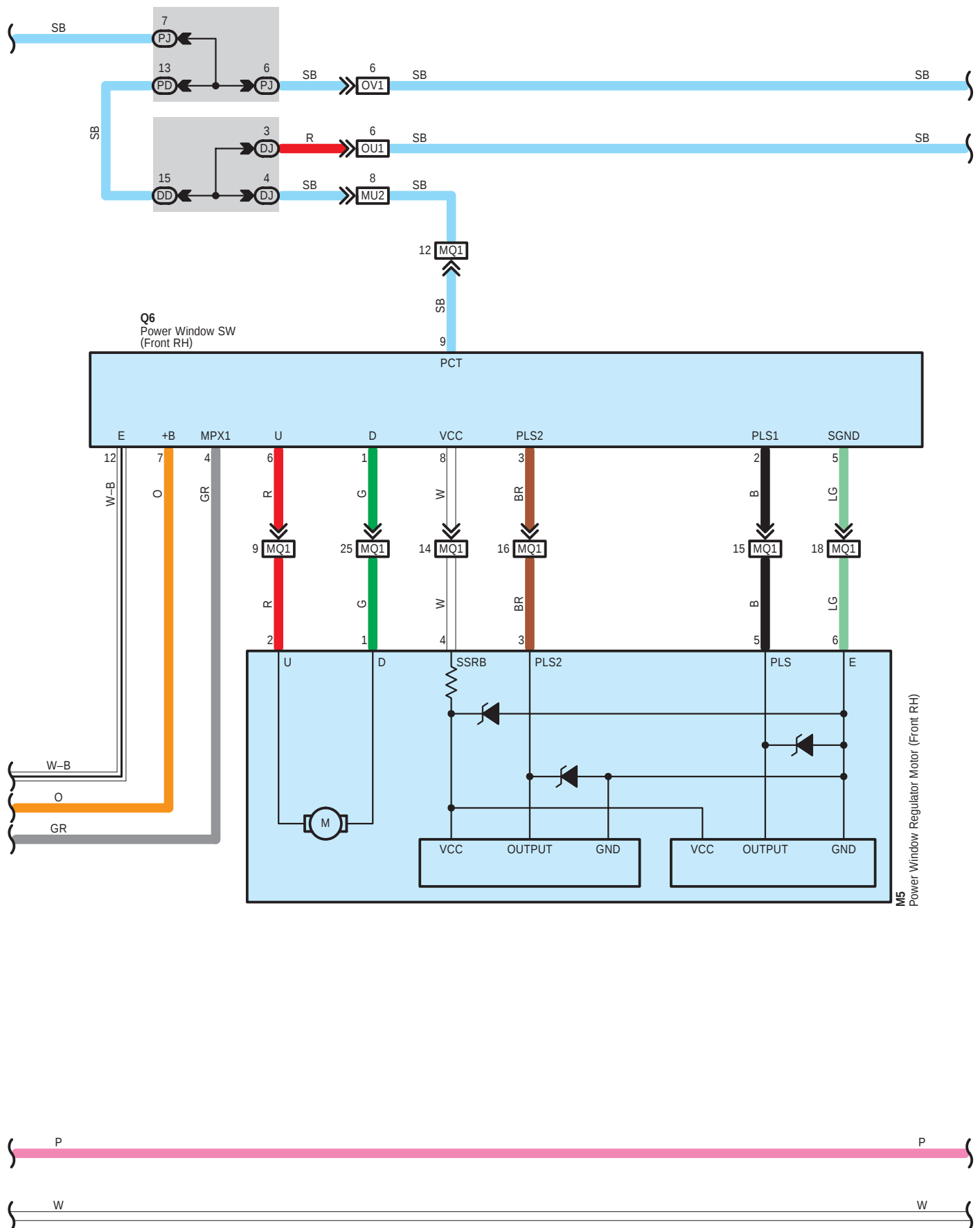


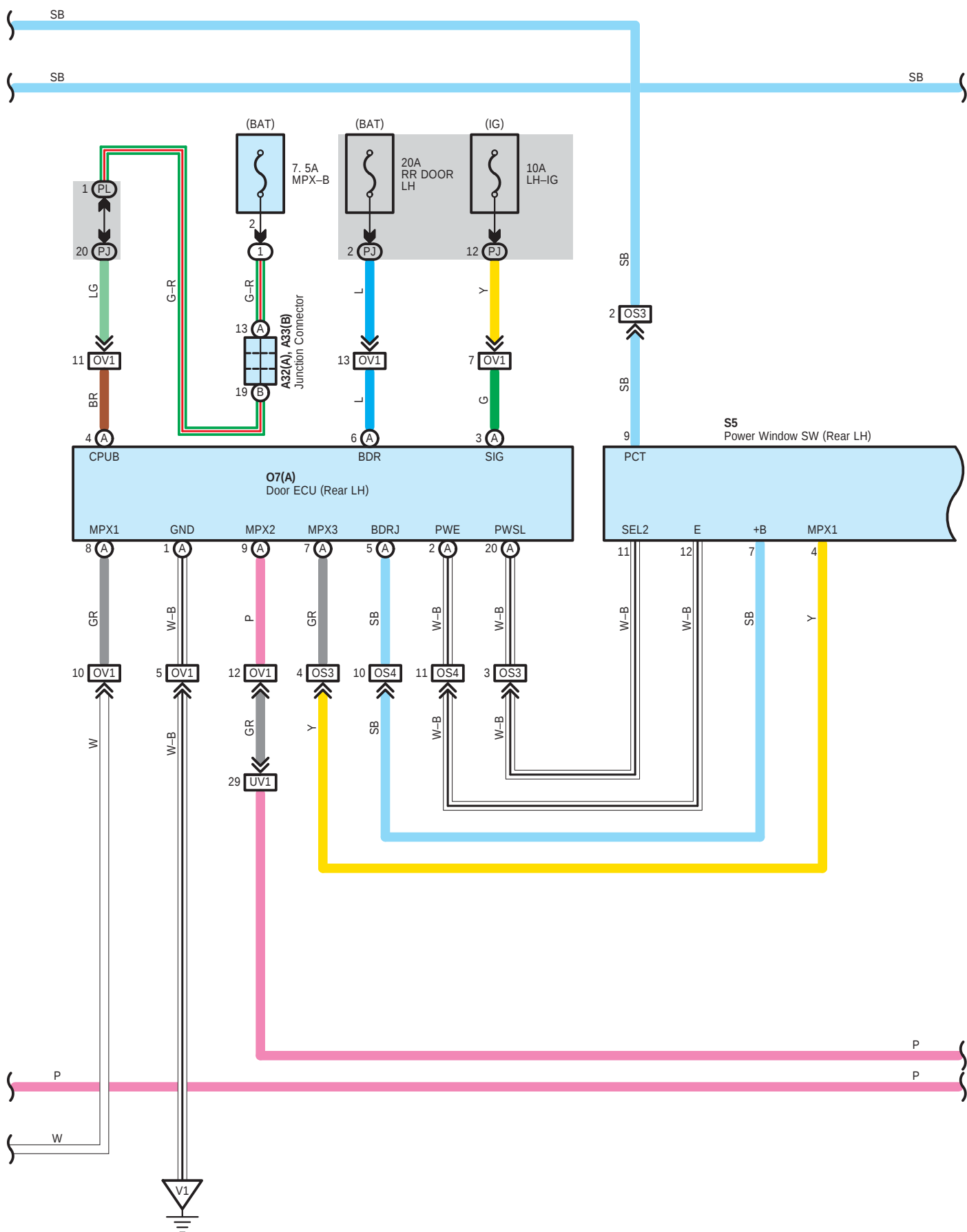
# Power Window

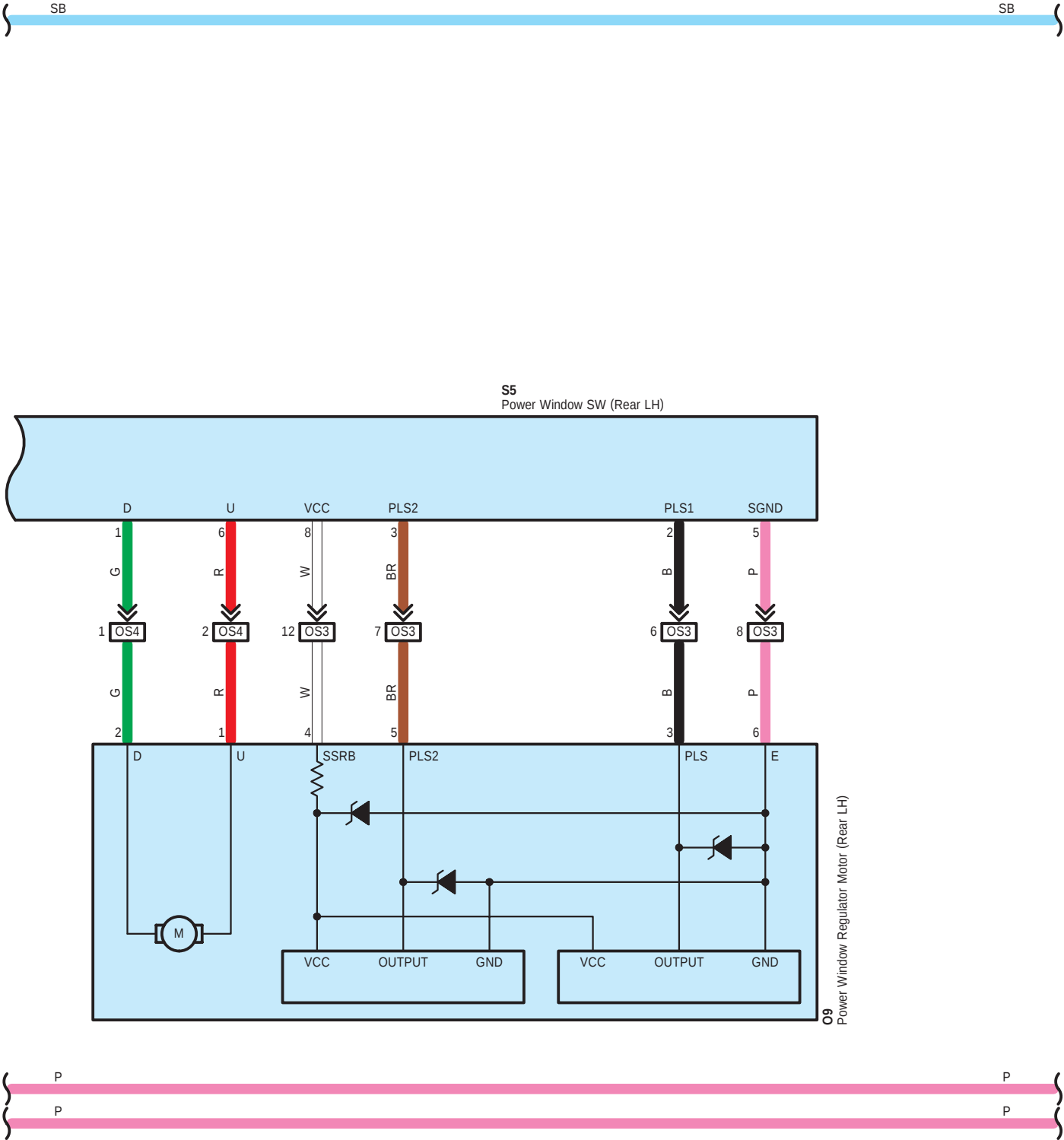


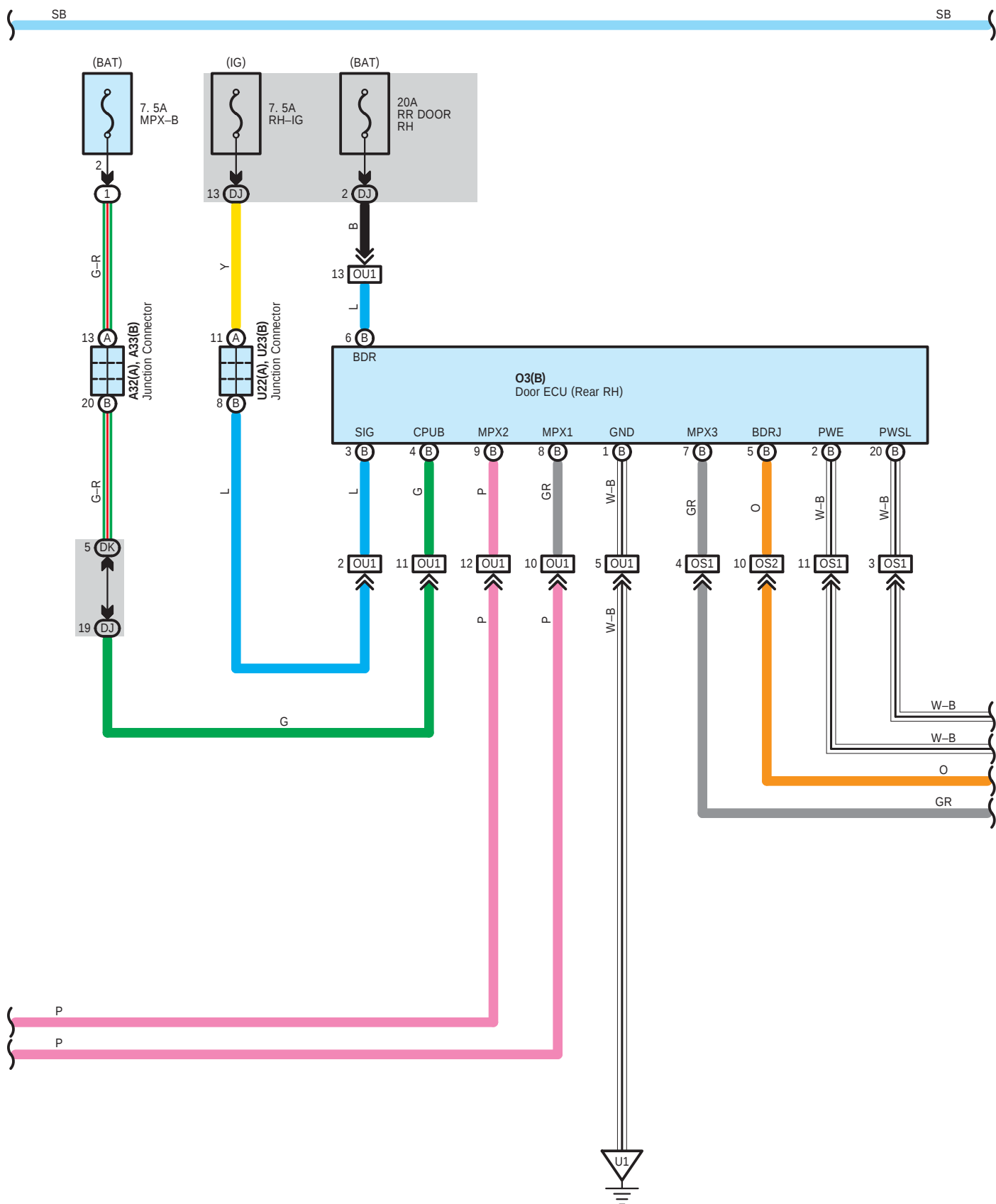


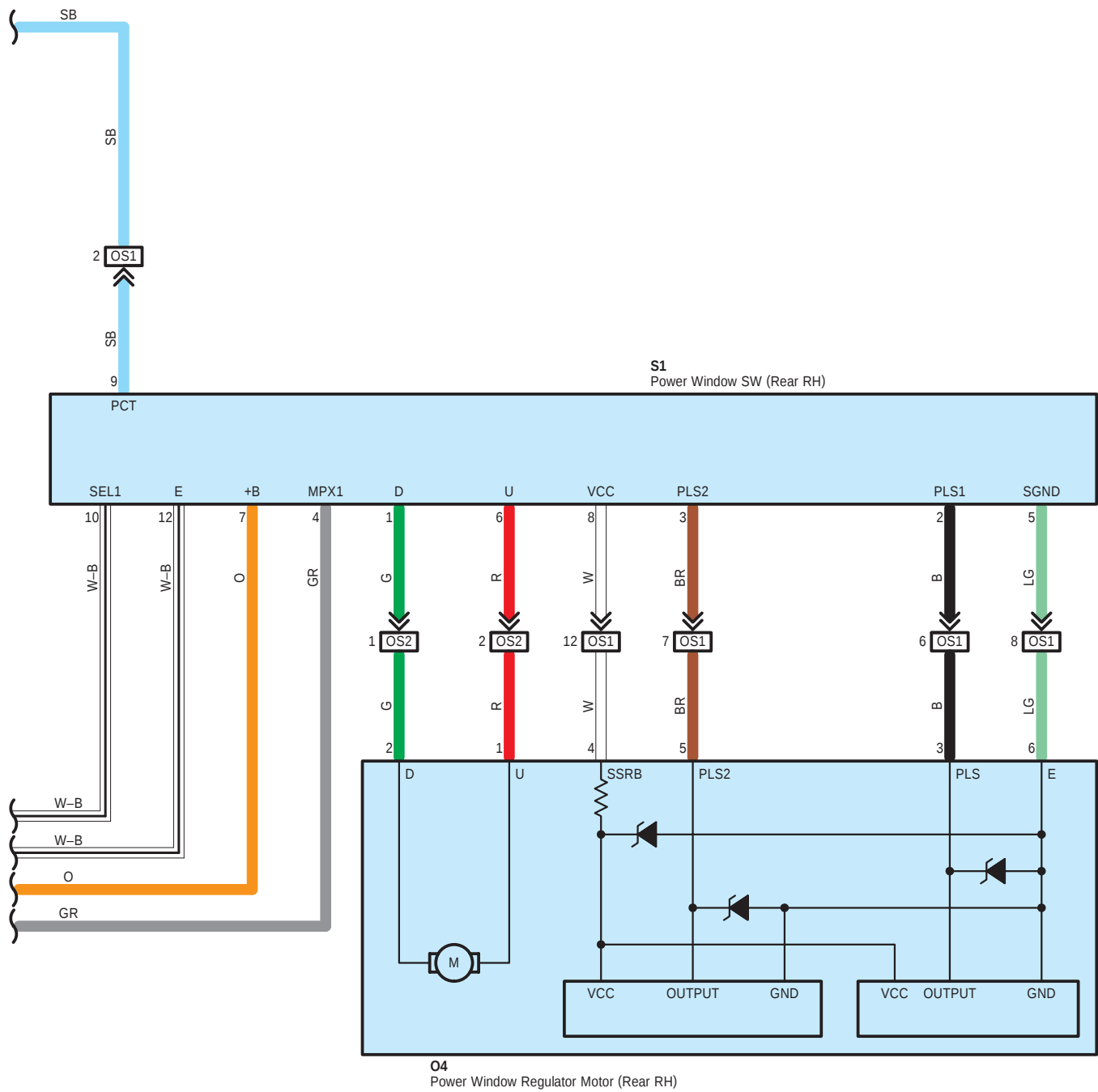
# Power Window











 : Parts Location

| Code |   | See Page |  | Code |   | See Page |  | Code |   | See Page |  |
|------|---|----------|--|------|---|----------|--|------|---|----------|--|
| A29  |   | 84       |  | M10  | B | 88       |  | U22  | A | 90       |  |
| A30  | A | 84       |  | M11  |   | 88       |  | U23  | B | 90       |  |
| A32  | A | 84       |  | M12  |   | 88       |  | U25  |   | 90       |  |
| A33  | B | 84       |  | O3   | B | 88       |  | U28  |   | 90       |  |
| K22  |   | 85       |  | O4   |   | 88       |  | U36  |   | 90       |  |
| K66  |   | 86       |  | O7   | A | 88       |  | U38  |   | 90       |  |
| K68  | B | 86       |  | O9   |   | 88       |  | V3   | D | 87       |  |
| K73  |   | 86       |  | Q6   |   | 89       |  | V7   |   | 91       |  |
| M3   | A | 88       |  | Q13  |   | 89       |  | V26  | A | 91       |  |
| M4   | B | 88       |  | S1   |   | 89       |  | V27  | B | 91       |  |
| M5   |   | 88       |  | S5   |   | 89       |  |      |   |          |  |
| M9   | A | 88       |  | U1   | D | 87       |  |      |   |          |  |

 : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location)            |
|------|----------|------------------------------------------------|
| 1    | 24       | 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)                                       |
|------|----------|--------------------------------------------------------------------------------------------|
| 1X   | 29       | Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment left)                   |
| 5A   | 66       | Instrument Panel Wire and Center J/B LH (Right Side of the Instrument Panel Reinforcement) |
| 5E   |          |                                                                                            |
| 5M   |          |                                                                                            |
| DA   | 55       | Instrument Panel Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| DD   |          |                                                                                            |
| DJ   | 56       | Floor Wire and Cowl Side J/B RH (Behind the Glove Box)                                     |
| DK   | 56       | Engine Room Main Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| LC   | 63       | Floor No.2 Wire and Luggage Room J/B (Left Side of the Quarter Panel )                     |
| PD   | 49       | Instrument Panel Wire and Cowl Side J/B LH (Lower Finish Panel)                            |
| PJ   | 50       | Floor No.2 Wire and Cowl Side J/B LH (Lower Finish Panel)                                  |
| PL   | 50       | Engine Room Main Wire and Cowl Side J/B LH (Lower Finish Panel)                            |

 : Connector Joining Wire Harness and Wire Harness

| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location)                     |
|------|----------|--------------------------------------------------------------------------------|
| KA2  | 97       | Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)              |
| KU2  | 97       | Instrument Panel Wire and Floor No.1 Wire (Right Kick Panel)                   |
| KV1  | 97       | Instrument Panel Wire and Floor No.2 Wire (Left Kick Panel)                    |
| MQ1  | 98       | Front Door RH Wire and Front Door RH No.2 Wire (Front Door Inner Panel RH)     |
| MQ2  | 98       | Front Door LH Wire and Front Door LH No.2 Wire (Front Door Inner Panel LH)     |
| MU1  | 97       | Front Door RH Wire and Floor No.1 Wire (Right Kick Panel)                      |
| MU2  |          |                                                                                |
| MV1  | 97       | Front Door LH Wire and Floor No.2 Wire (Left Kick Panel)                       |
| MV2  |          |                                                                                |
| OS1  | 98       | Rear Door No.1 Wire and Rear Door RH Wire (Front Door Inner Panel RH)          |
| OS2  |          |                                                                                |
| OS3  | 98       | Rear Door No.2 Wire and Rear Door LH Wire (Rear Door Inner Panel LH)           |
| OS4  |          |                                                                                |
| OU1  | 98       | Rear Door No.1 Wire and Floor No.1 Wire (Right Center Pillar)                  |
| OV1  | 98       | Rear Door No.2 Wire and Floor No.2 Wire (Left Center Pillar)                   |
| UV1  | 98       | Floor No.1 Wire and Floor No.2 Wire (Center of the Rear Floor Partition Panel) |

## Power Window

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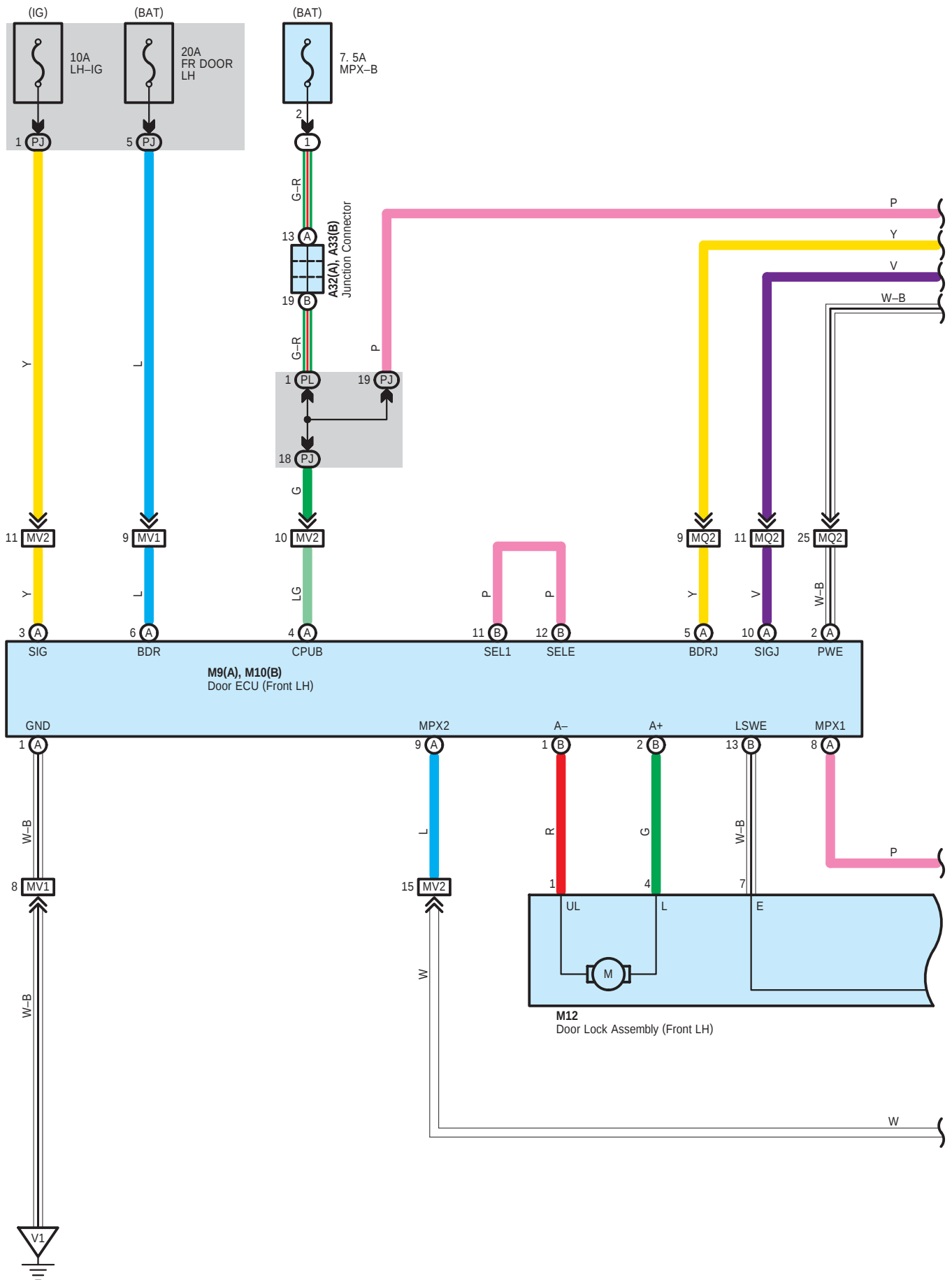


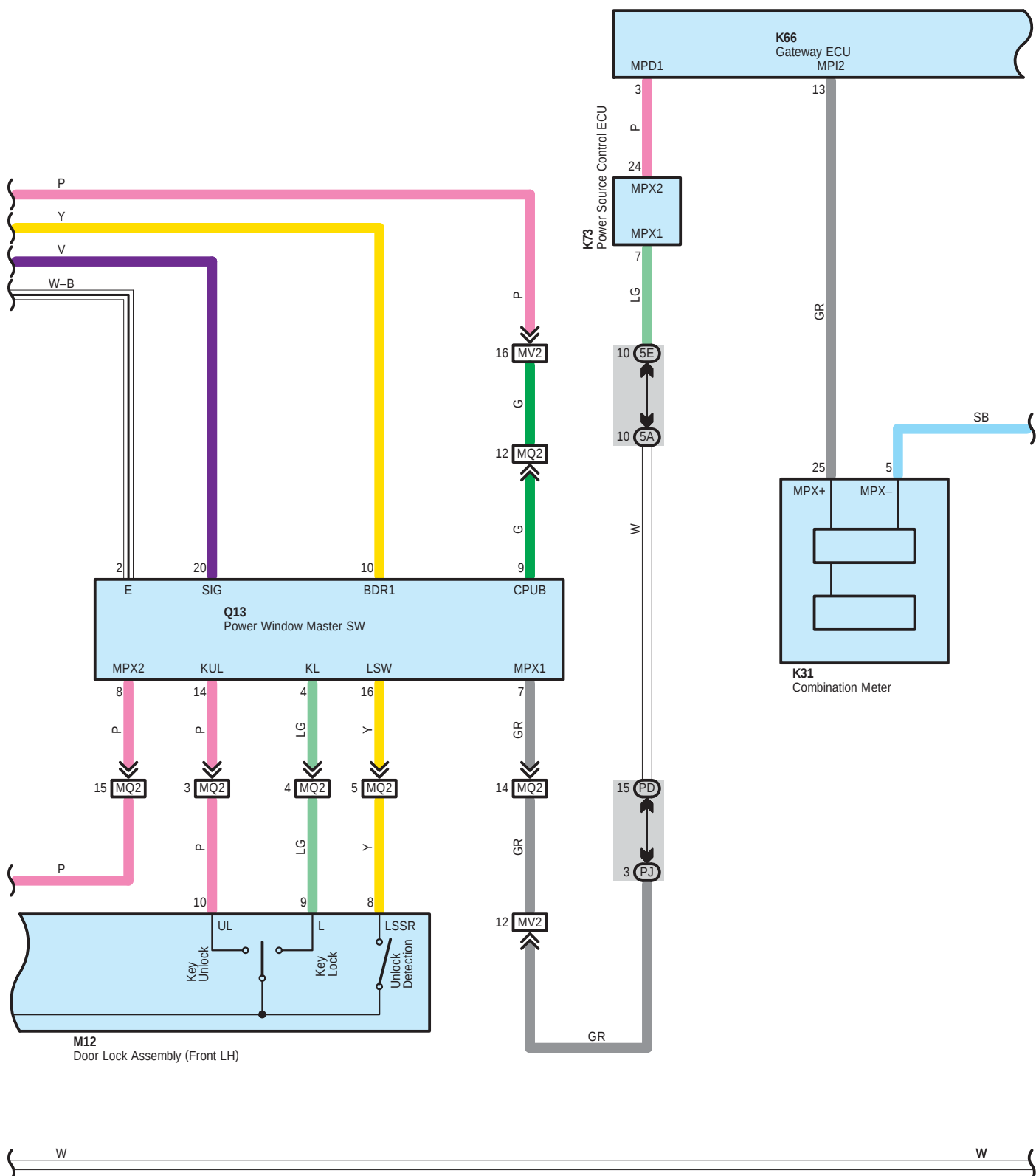
: Ground Points

| Code | See Page | Ground Points Location                       |
|------|----------|----------------------------------------------|
| U1   | 98       | Under the Front Passenger's Seat             |
| U2   | 98       | Right Side of the Rear Floor Partition Panel |
| V1   | 98       | Under the Driver's Seat                      |

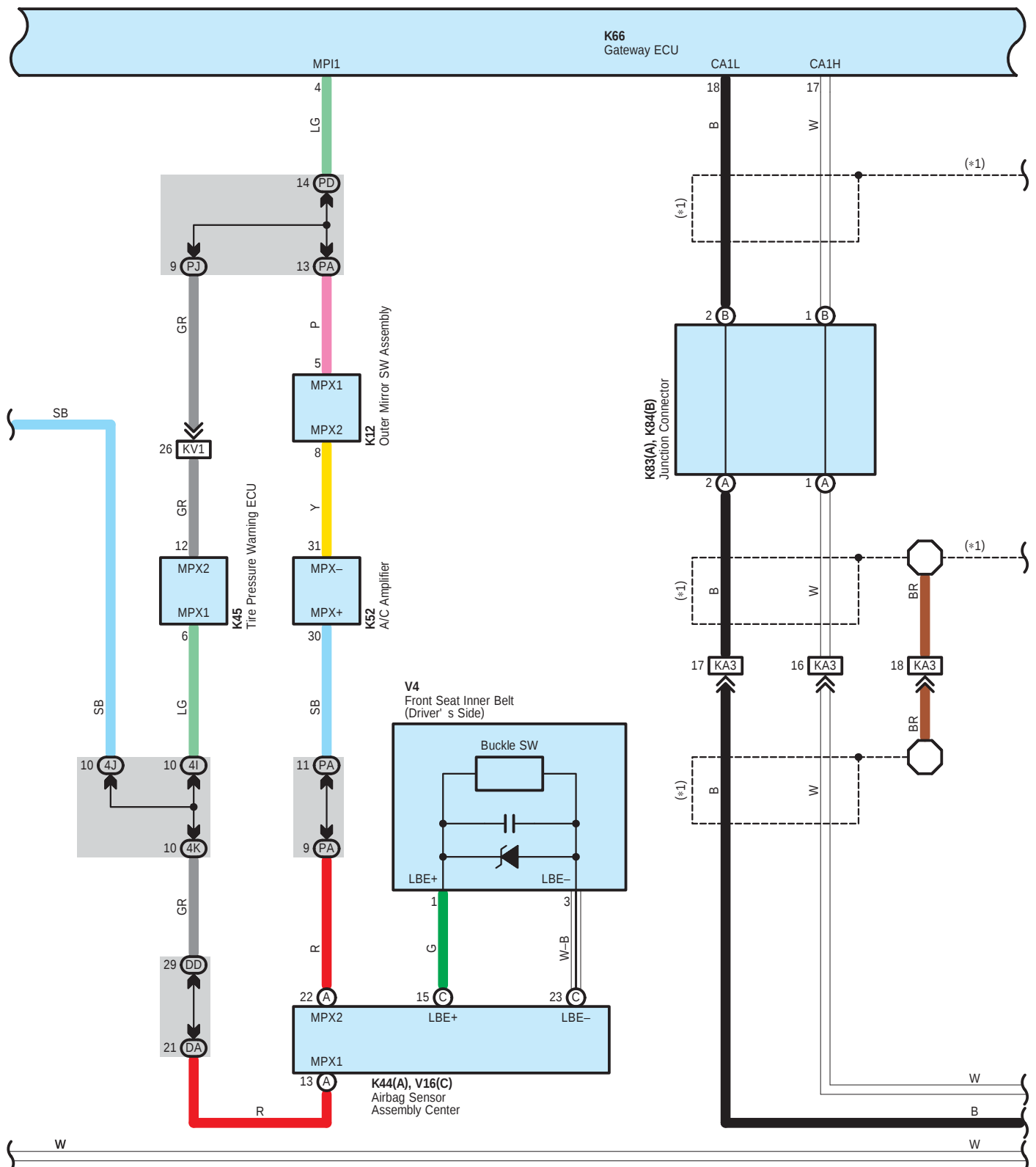


# Door Lock Control



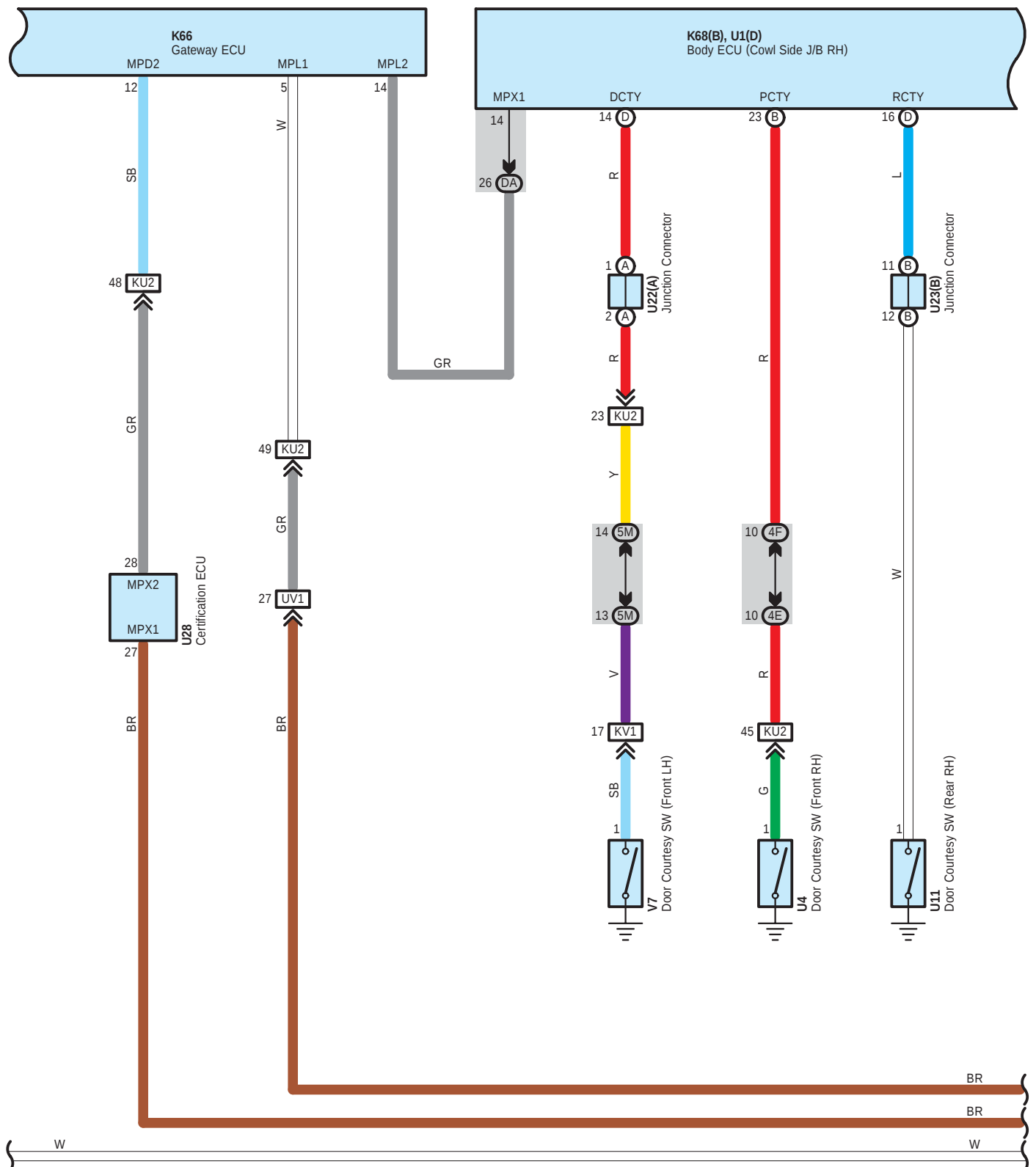


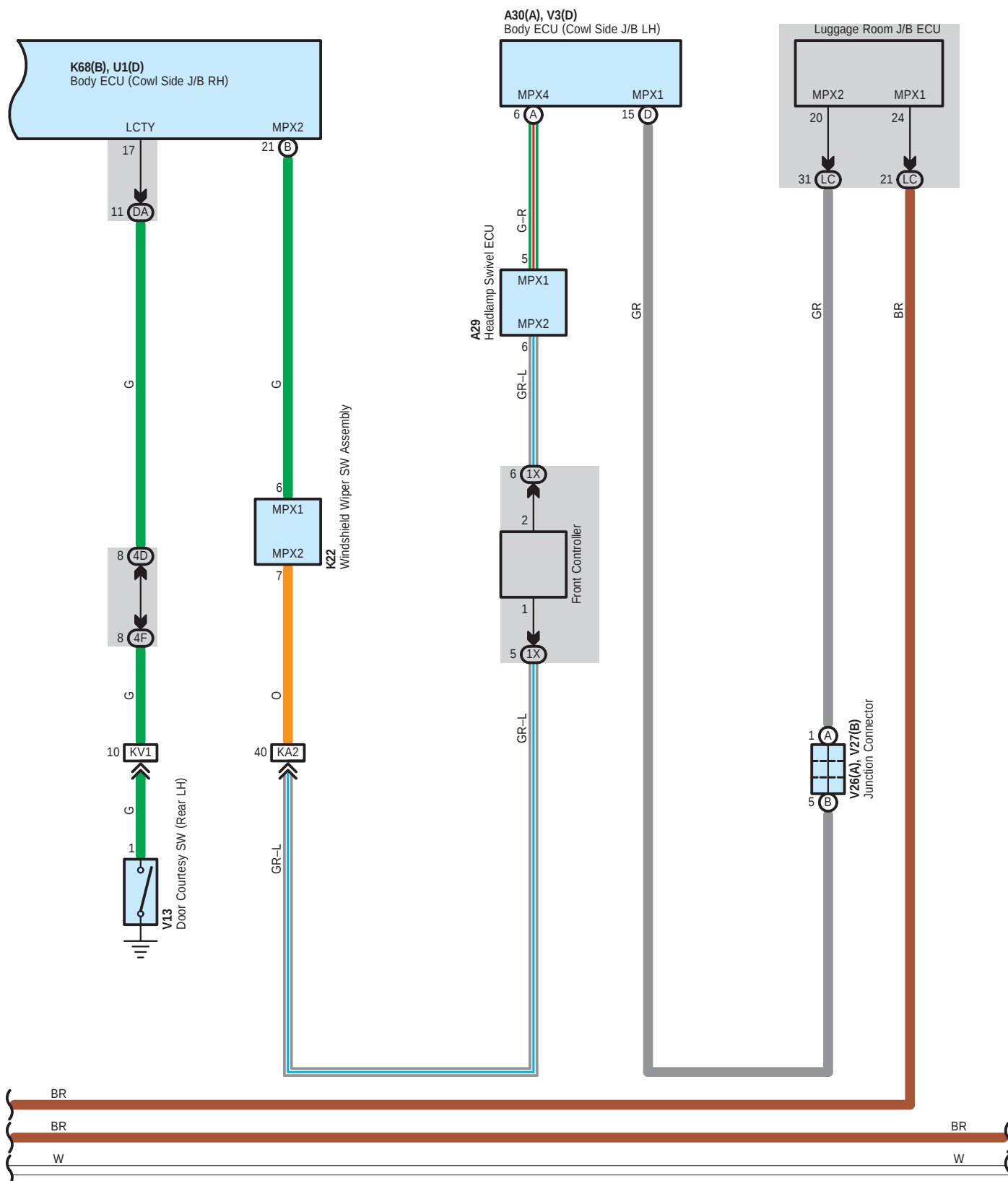
# Door Lock Control



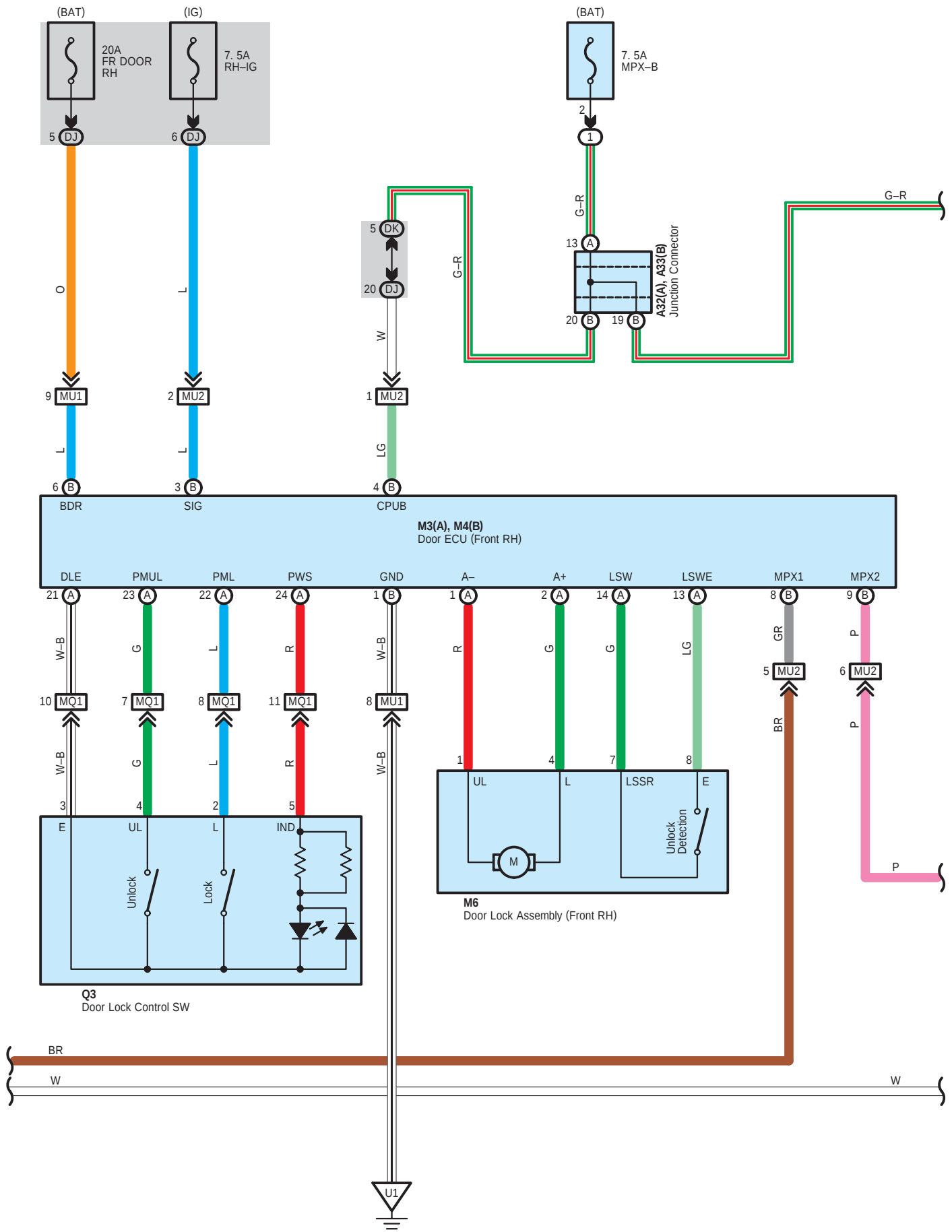


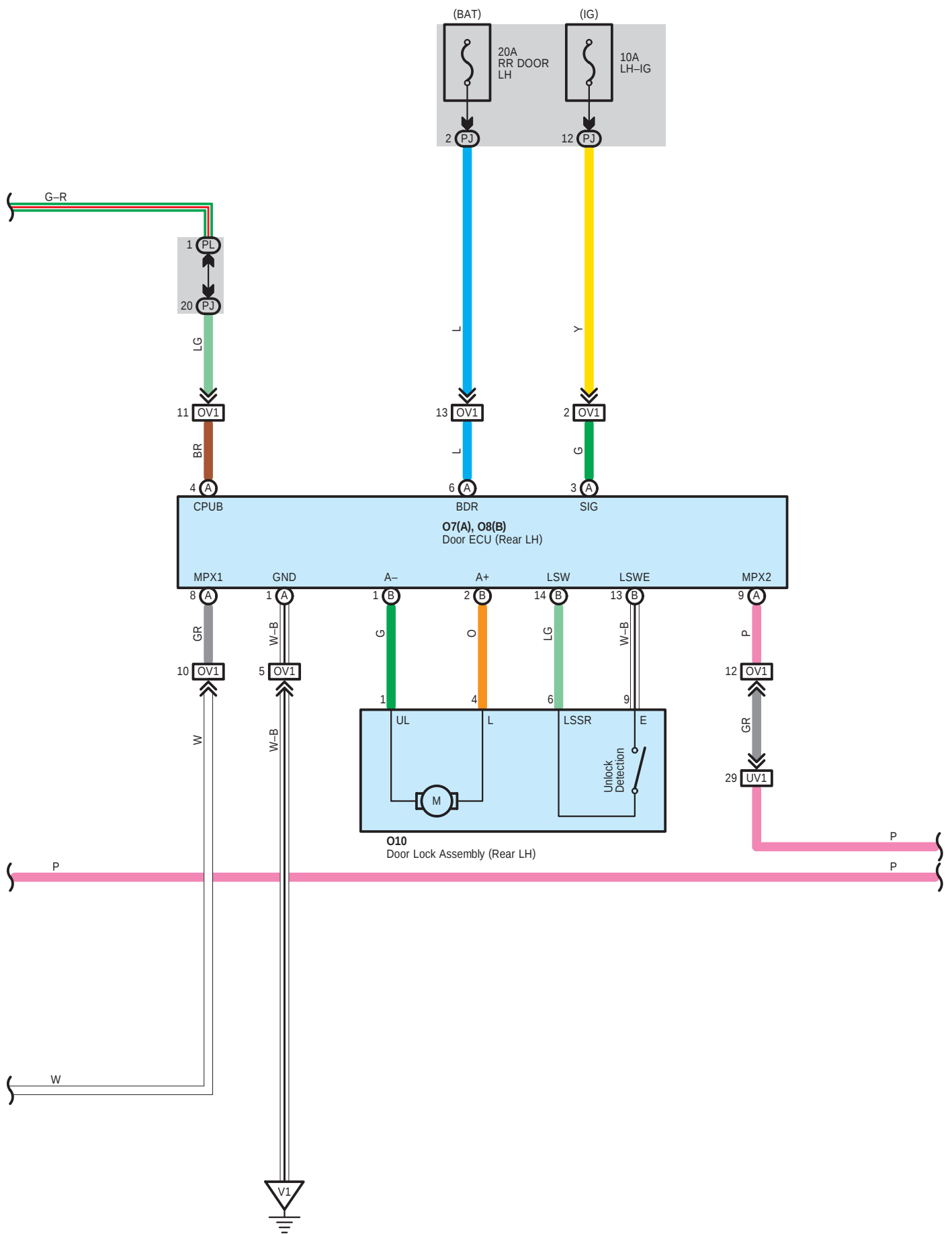
# Door Lock Control



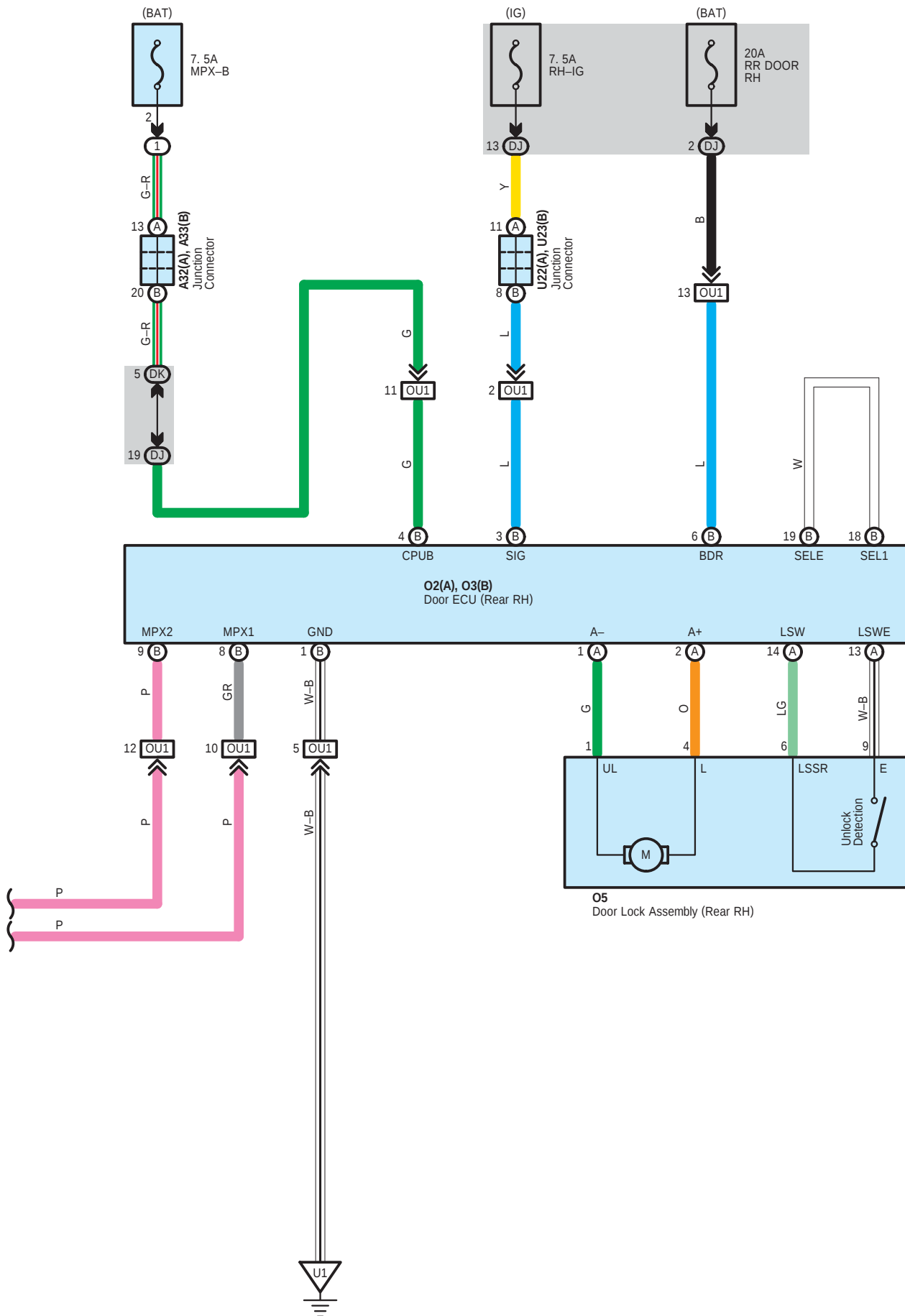


# Door Lock Control





# Door Lock Control



 : Parts Location

| Code |   | See Page | Code |   | See Page | Code |   | See Page |
|------|---|----------|------|---|----------|------|---|----------|
| A29  |   | 84       | K83  | A | 78, 86   | Q3   |   | 89       |
| A30  | A | 84       | K84  | B | 78, 86   | Q13  |   | 89       |
| A32  | A | 84       | K95  |   | 86       | U1   | D | 87       |
| A33  | B | 84       | K96  |   | 86       | U4   |   | 90       |
| A54  | A | 80       | M3   | A | 88       | U11  |   | 90       |
| E77  |   | 81       | M4   | B | 88       | U22  | A | 90       |
| E84  | B | 81       | M6   |   | 88       | U23  | B | 90       |
| K12  |   | 85       | M9   | A | 88       | U28  |   | 90       |
| K22  |   | 85       | M10  | B | 88       | V3   | D | 87       |
| K31  |   | 85       | M12  |   | 88       | V4   |   | 94       |
| K44  | A | 86       | O2   | A | 88       | V7   |   | 91       |
| K45  |   | 86       | O3   | B | 88       | V13  |   | 91       |
| K52  |   | 86       | O5   |   | 88       | V16  | C | 87       |
| K66  |   | 86       | O7   | A | 88       | V26  | A | 91       |
| K68  | B | 86       | O8   | B | 88       | V27  | B | 91       |
| K73  |   | 86       | O10  |   | 88       |      |   |          |

 : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location)            |
|------|----------|------------------------------------------------|
| 1    | 24       | 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)                                       |
|------|----------|--------------------------------------------------------------------------------------------|
| 1X   | 29       | Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment left)                   |
| 4C   | 70       | Instrument Panel Wire and Center J/B RH (Right Side of the Instrument Panel Reinforcement) |
| 4D   |          |                                                                                            |
| 4E   |          |                                                                                            |
| 4F   |          |                                                                                            |
| 4I   |          |                                                                                            |
| 4J   |          |                                                                                            |
| 4K   |          |                                                                                            |
| 5A   | 66       | Instrument Panel Wire and Center J/B LH (Right Side of the Instrument Panel Reinforcement) |
| 5D   |          |                                                                                            |
| 5E   |          |                                                                                            |
| 5G   |          |                                                                                            |
| 5M   |          |                                                                                            |
| DA   | 55       | Instrument Panel Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| DD   |          |                                                                                            |
| DJ   | 56       | Floor Wire and Cowl Side J/B RH (Behind the Glove Box)                                     |
| DK   | 56       | Engine Room Main Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| LC   | 63       | Floor No.2 Wire and Luggage Room J/B (Left Side of the Quarter Panel )                     |
| PA   | 49       | Instrument Panel Wire and Cowl Side J/B LH (Lower Finish Panel)                            |
| PD   |          |                                                                                            |
| PJ   | 50       | Floor No.2 Wire and Cowl Side J/B LH (Lower Finish Panel)                                  |
| PL   | 50       | Engine Room Main Wire and Cowl Side J/B LH (Lower Finish Panel)                            |

## Door Lock Control

### : Connector Joining Wire Harness and Wire Harness

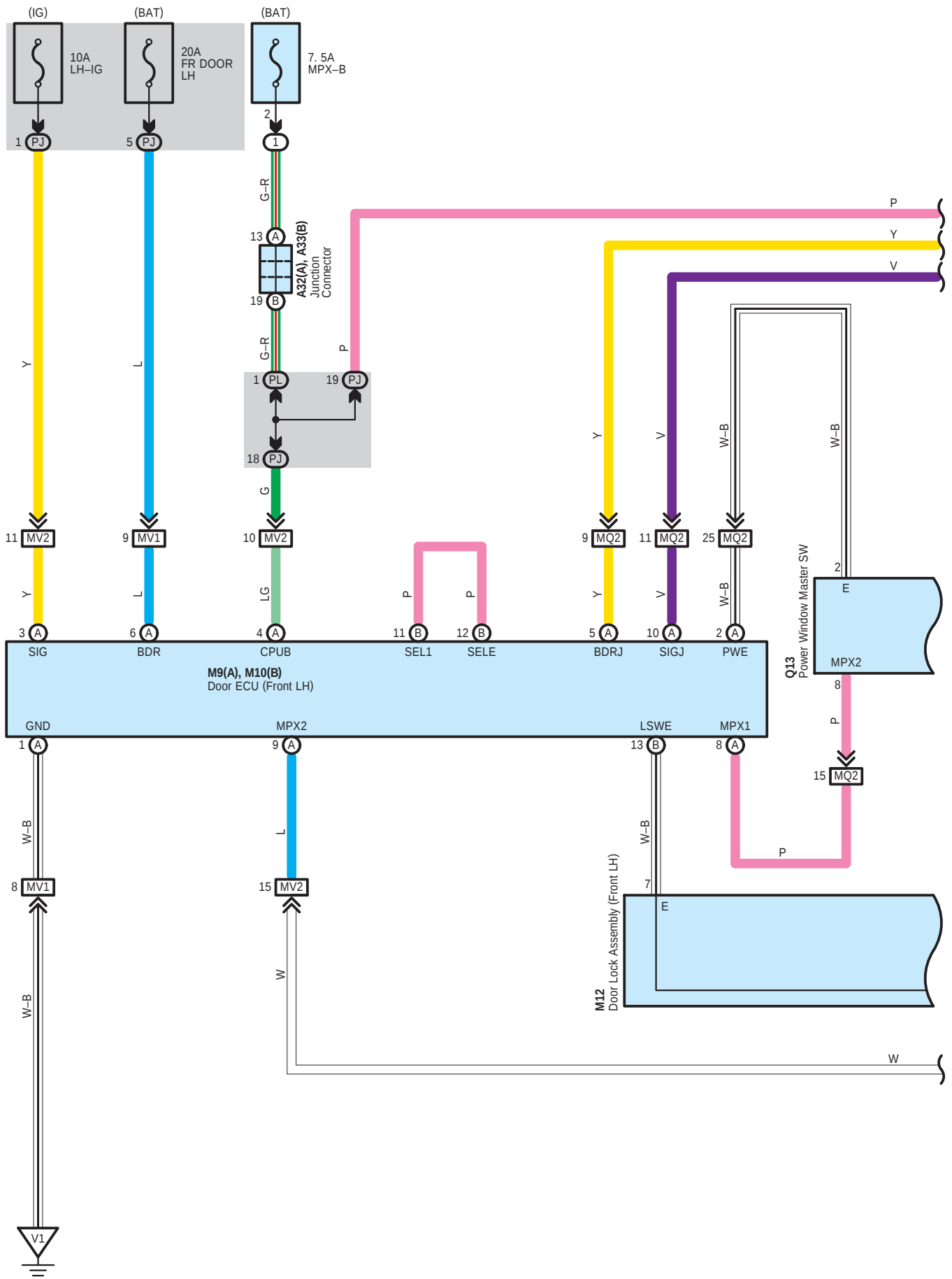
| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location)                     |
|------|----------|--------------------------------------------------------------------------------|
| KA2  | 97       | Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)              |
| KA3  | 97       | Instrument Panel Wire and Engine Room Main Wire (Right Kick Panel)             |
| KU2  | 97       | Instrument Panel Wire and Floor No.1 Wire (Right Kick Panel)                   |
| KV1  | 97       | Instrument Panel Wire and Floor No.2 Wire (Left Kick Panel)                    |
| MQ1  | 98       | Front Door RH Wire and Front Door RH No.2 Wire (Front Door Inner Panel RH)     |
| MQ2  | 98       | Front Door LH Wire and Front Door LH No.2 Wire (Front Door Inner Panel LH)     |
| MU1  | 97       | Front Door RH Wire and Floor No.1 Wire (Right Kick Panel)                      |
| MU2  |          |                                                                                |
| MV1  | 97       | Front Door LH Wire and Floor No.2 Wire (Left Kick Panel)                       |
| MV2  |          |                                                                                |
| OU1  | 98       | Rear Door No.1 Wire and Floor No.1 Wire (Right Center Pillar)                  |
| OV1  | 98       | Rear Door No.2 Wire and Floor No.2 Wire (Left Center Pillar)                   |
| UV1  | 98       | Floor No.1 Wire and Floor No.2 Wire (Center of the Rear Floor Partition Panel) |

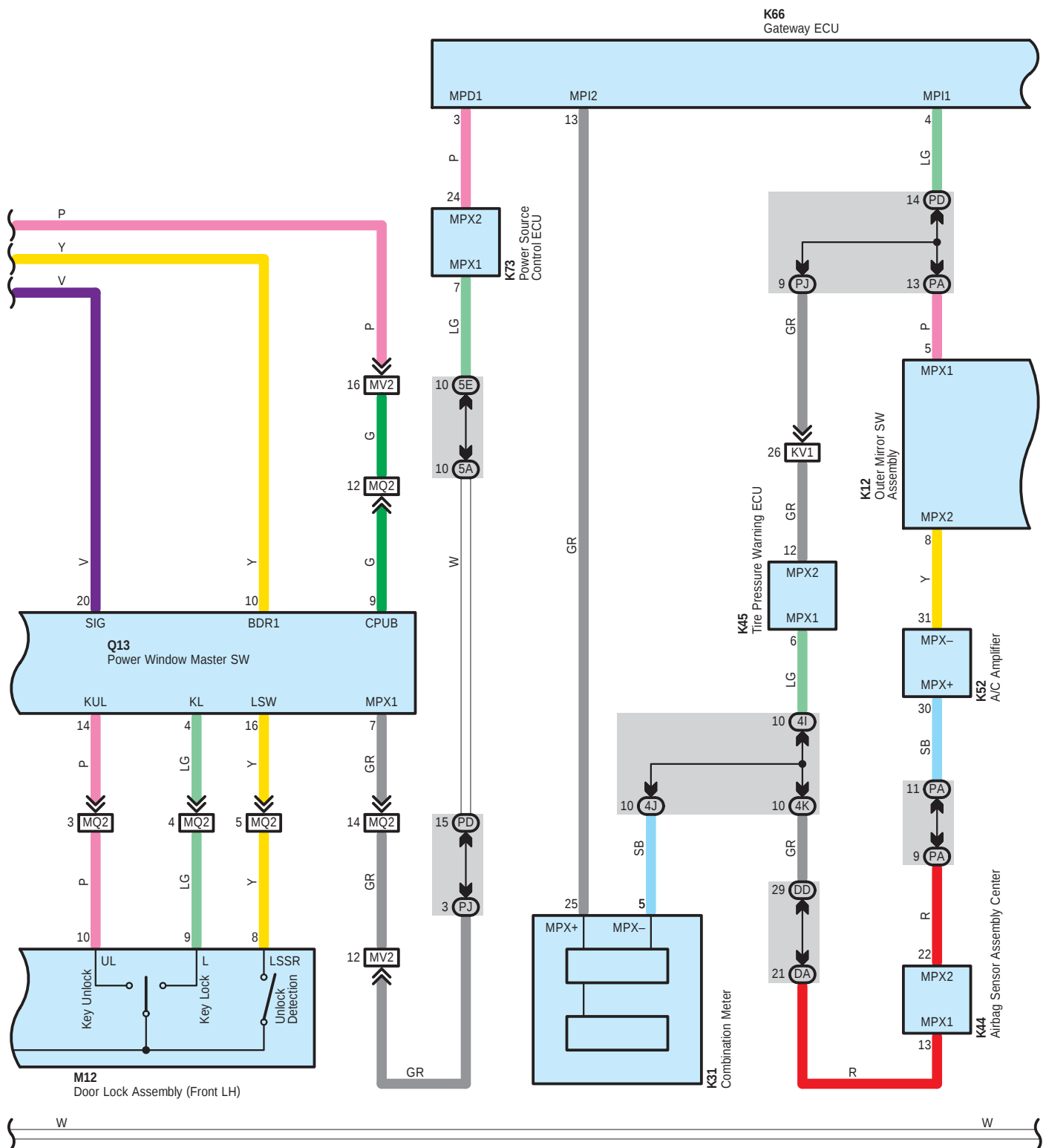
### : Ground Points

| Code | See Page | Ground Points Location           |
|------|----------|----------------------------------|
| K1   | 97       | Left Kick Panel                  |
| K2   | 97       | Left Side of the Shift Lever     |
| K4   | 97       | Right Kick Panel                 |
| U1   | 98       | Under the Front Passenger's Seat |
| V1   | 98       | Under the Driver's Seat          |

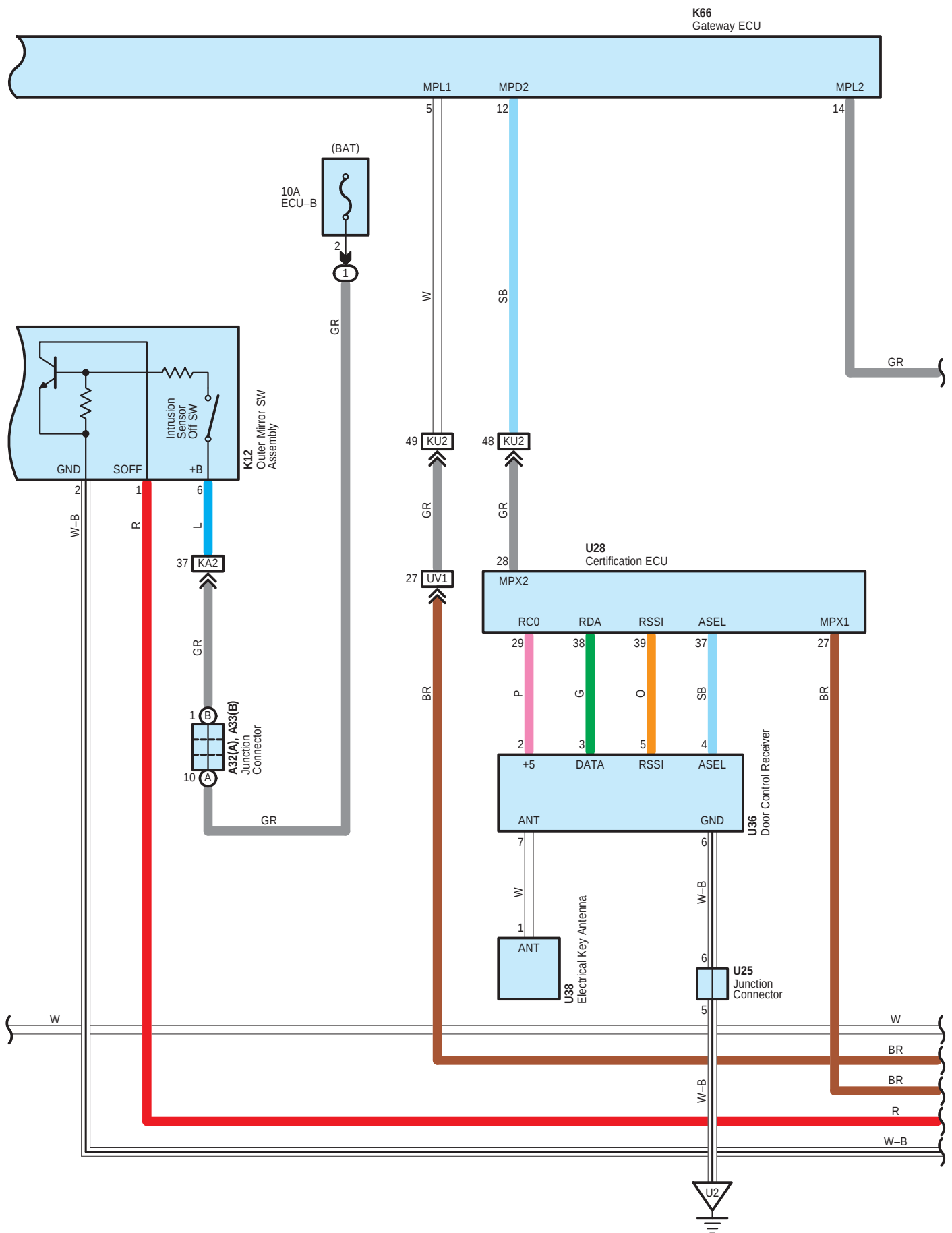


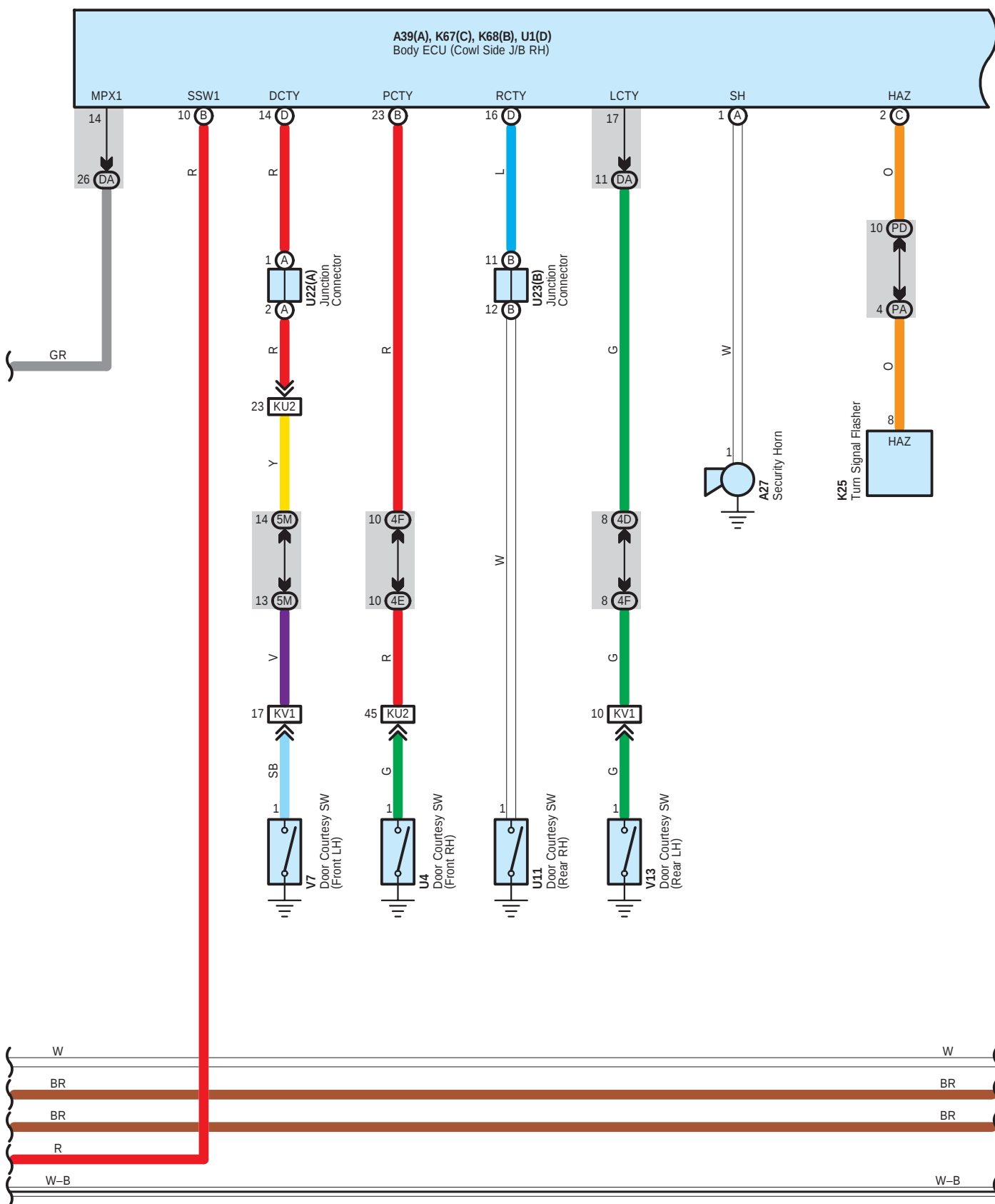
# Theft Deterrent



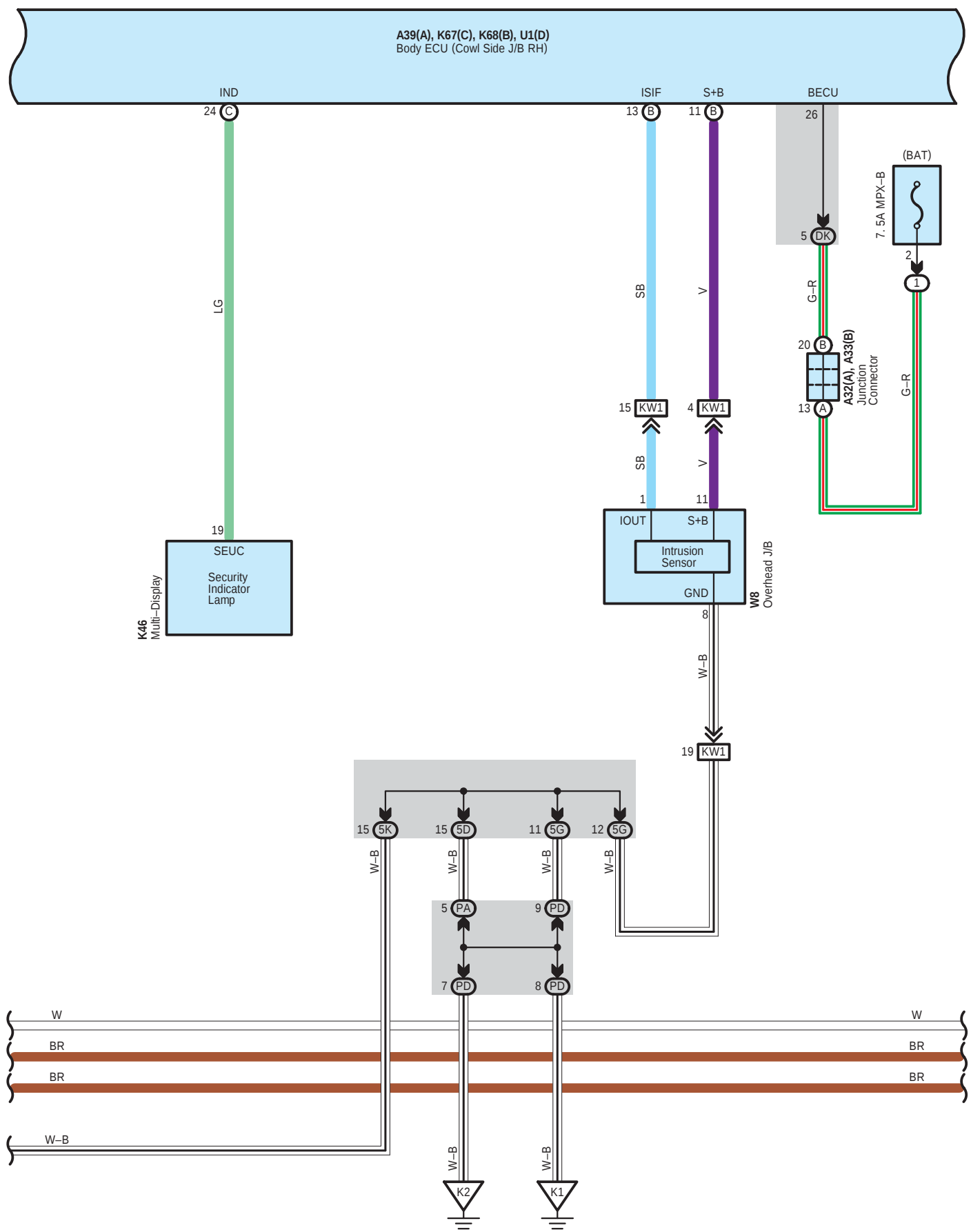


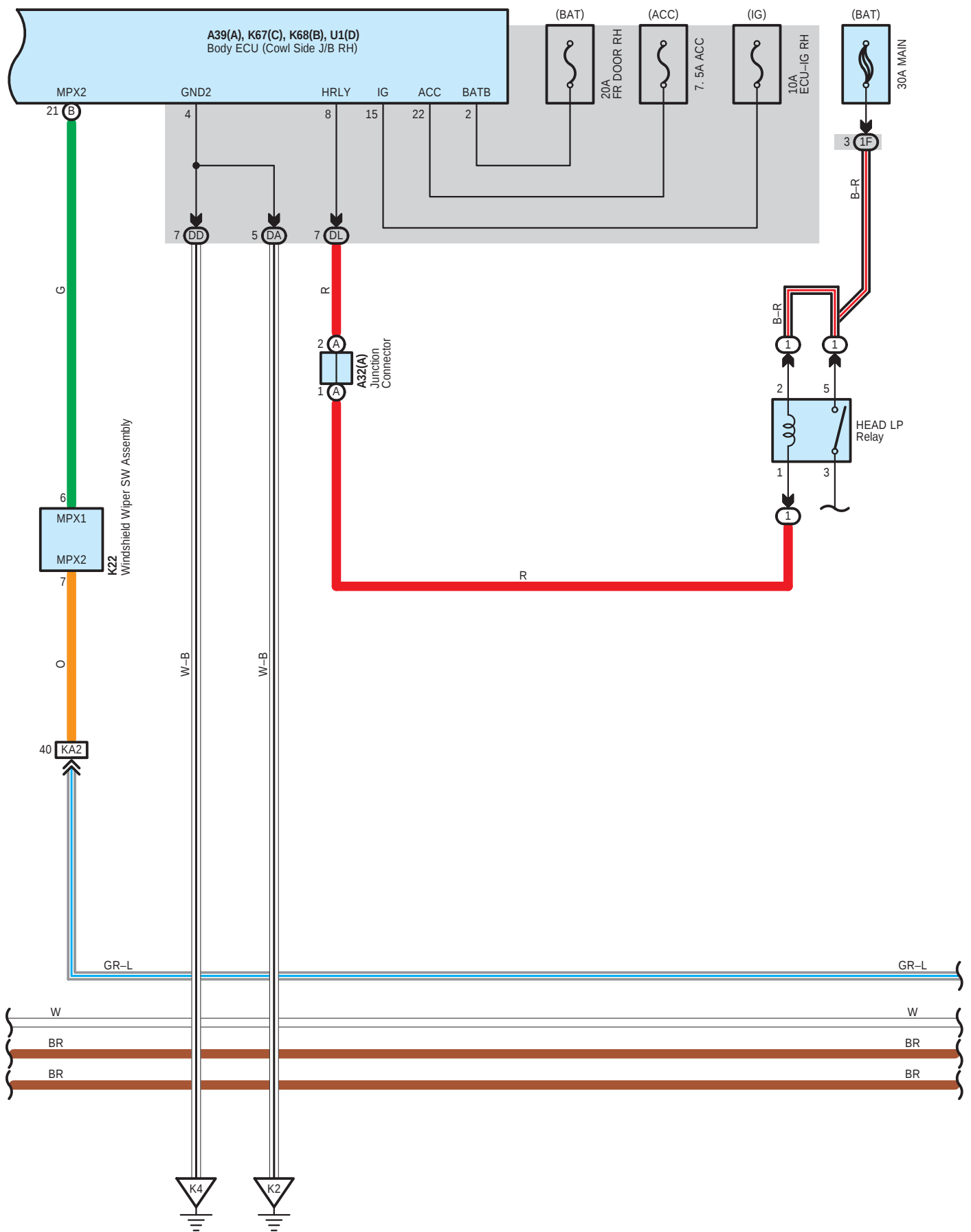
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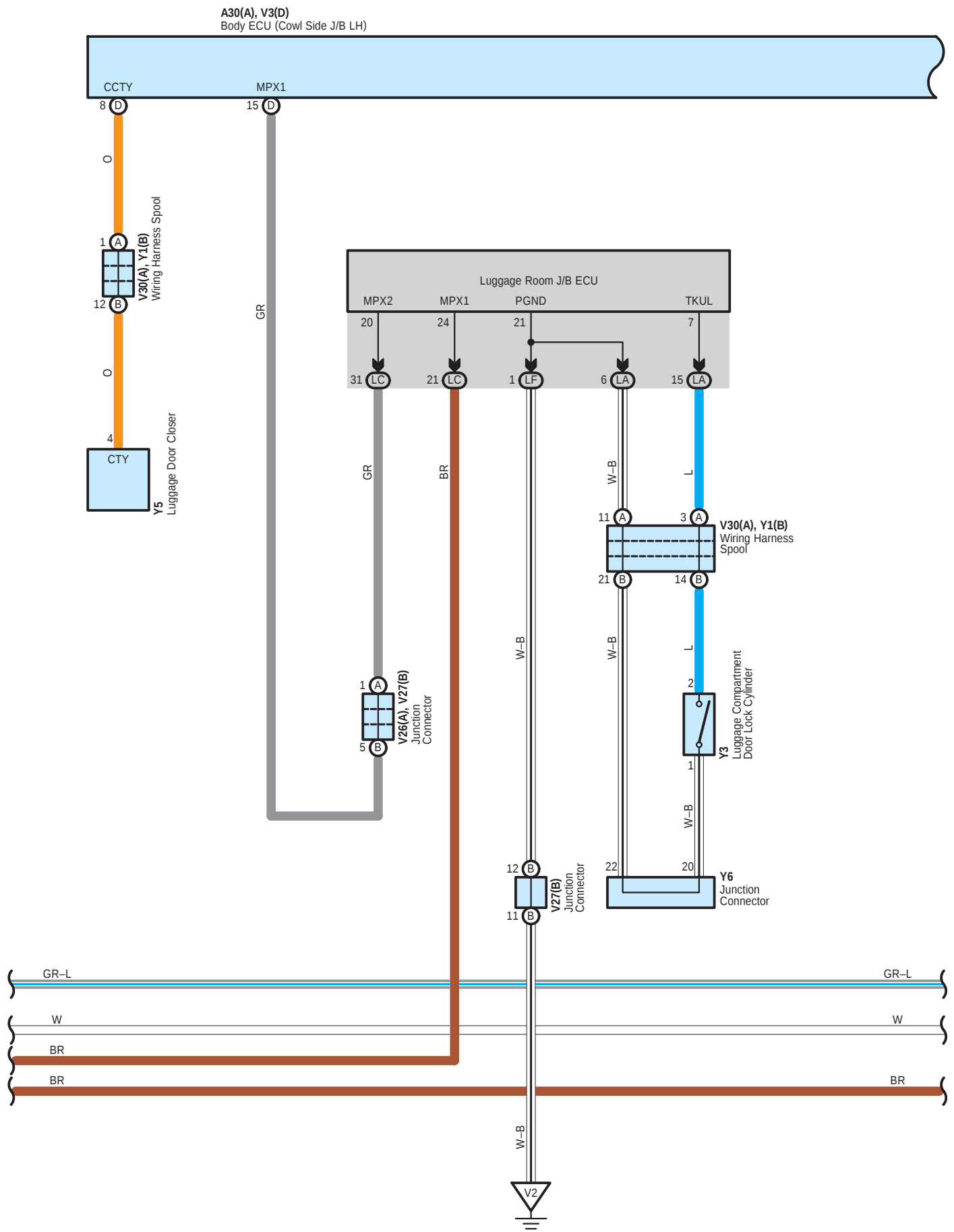


# Theft Deterrent

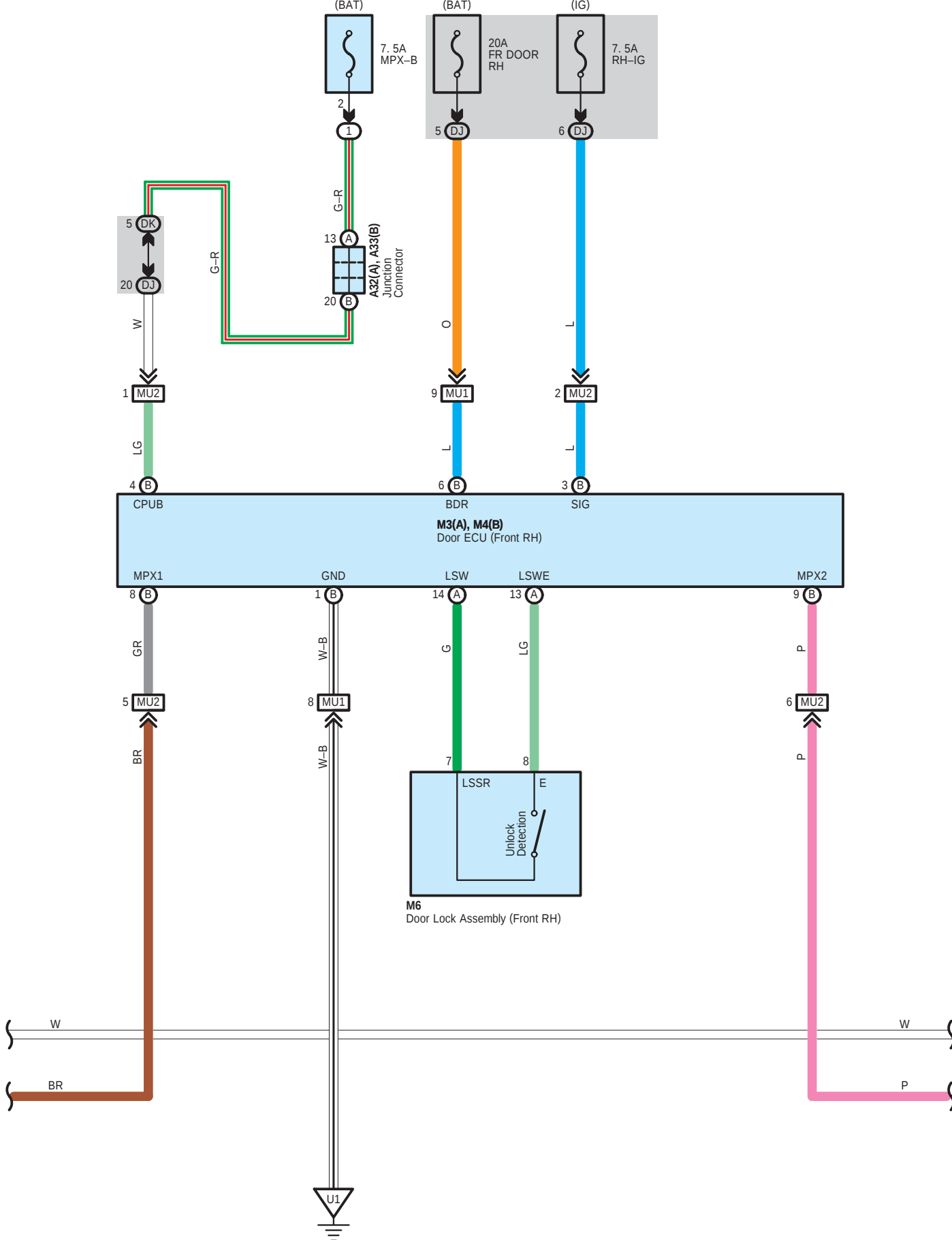


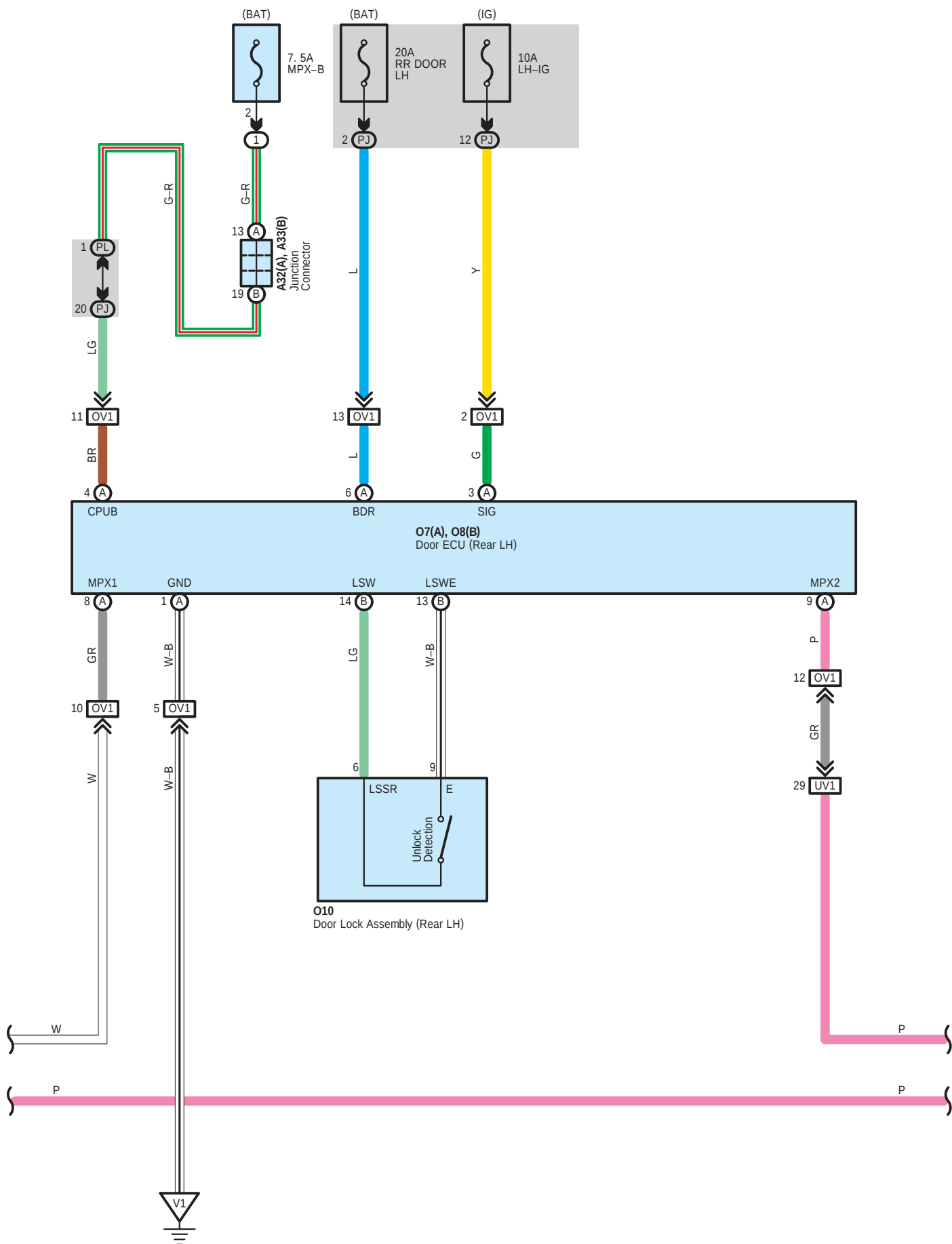


# Theft Deterrent

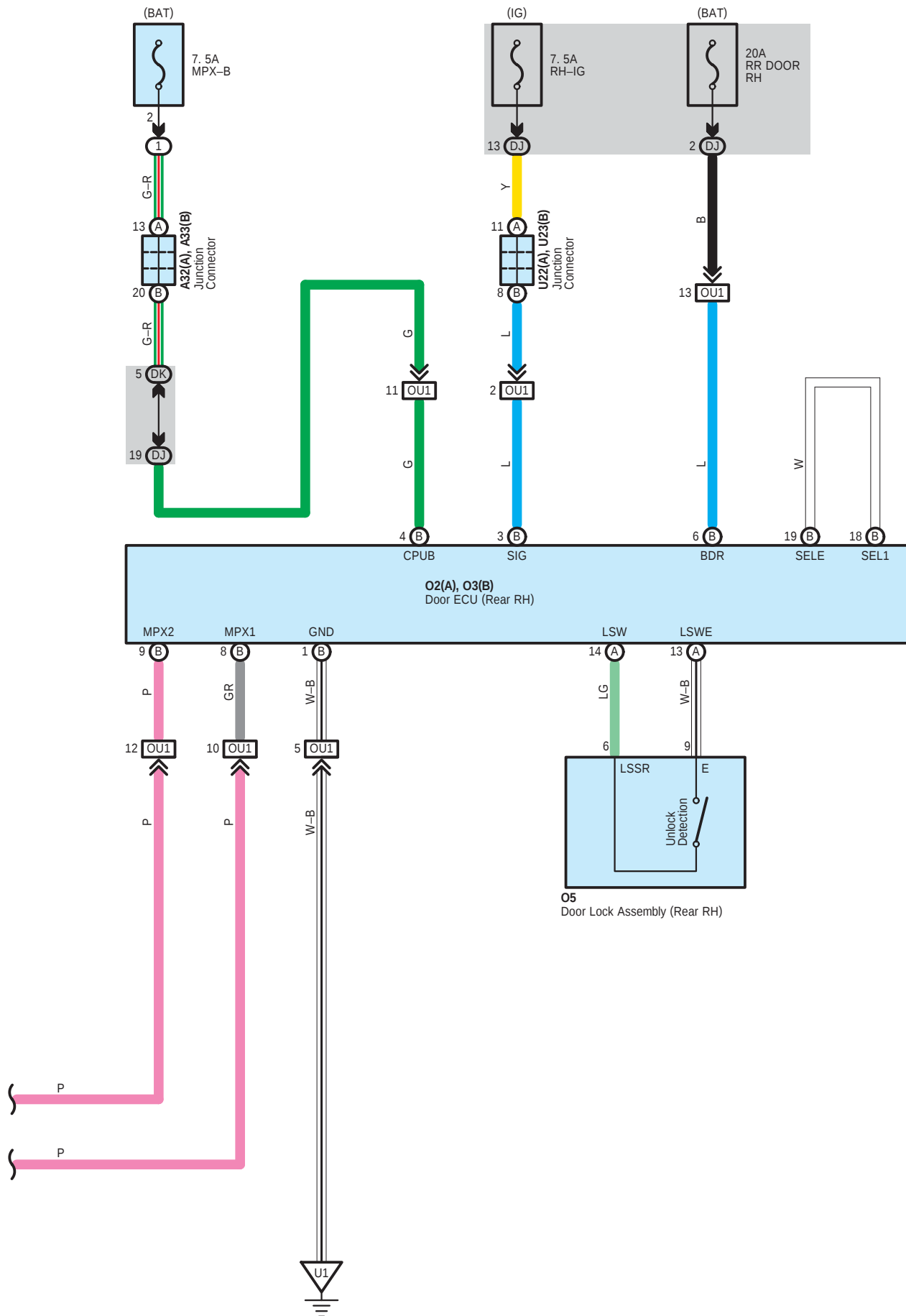








# Theft Deterrent



 : Parts Location

| Code |   | See Page | Code |   | See Page | Code |   | See Page |
|------|---|----------|------|---|----------|------|---|----------|
| A11  | B | 80       | K67  | C | 86       | U22  | A | 90       |
| A27  |   | 80       | K68  | B | 86       | U23  | B | 90       |
| A29  |   | 84       | K73  |   | 86       | U25  |   | 90       |
| A30  | A | 84       | M3   | A | 88       | U28  |   | 90       |
| A32  | A | 84       | M4   | B | 88       | U36  |   | 90       |
| A33  | B | 84       | M6   |   | 88       | U38  |   | 90       |
| A39  | A | 84       | M9   | A | 88       | V3   | D | 87       |
| B6   |   | 82       | M10  | B | 88       | V7   |   | 91       |
| B7   |   | 82       | M12  |   | 88       | V13  |   | 91       |
| B9   |   | 82       | O2   | A | 88       | V26  | A | 91       |
| K12  |   | 85       | O3   | B | 88       | V27  | B | 91       |
| K22  |   | 85       | O5   |   | 88       | V30  | A | 91       |
| K25  |   | 85       | O7   | A | 88       | W8   |   | 92       |
| K31  |   | 85       | O8   | B | 88       | Y1   | B | 92       |
| K44  |   | 86       | O10  |   | 88       | Y3   |   | 92       |
| K45  |   | 86       | Q13  |   | 89       | Y5   |   | 92       |
| K46  |   | 86       | U1   | D | 87       | Y6   |   | 92       |
| K52  |   | 86       | U4   |   | 90       |      |   |          |
| K66  |   | 86       | U11  |   | 90       |      |   |          |

 : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location)            |
|------|----------|------------------------------------------------|
| 1    | 24       | Engine Room R/B No.1 (Engine Compartment Left) |

## Theft Deterrent



### : Junction Block and Wire Harness Connector

| Code | See Page | Junction Block and Wire Harness (Connector Location)                                       |
|------|----------|--------------------------------------------------------------------------------------------|
| 1F   | 27       | Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment left)                   |
| 1X   | 29       |                                                                                            |
| 1Z   | 29       | Engine Room No.2 Wire and Engine Room J/B No.2 (Engine Compartment left)                   |
| 4D   | 70       | Instrument Panel Wire and Center J/B RH (Right Side of the Instrument Panel Reinforcement) |
| 4E   |          |                                                                                            |
| 4F   |          |                                                                                            |
| 4I   |          |                                                                                            |
| 4J   |          |                                                                                            |
| 4K   |          |                                                                                            |
| 5A   | 66       | Instrument Panel Wire and Center J/B LH (Right Side of the Instrument Panel Reinforcement) |
| 5D   |          |                                                                                            |
| 5E   |          |                                                                                            |
| 5G   |          |                                                                                            |
| 5K   |          |                                                                                            |
| 5M   |          |                                                                                            |
| DA   | 55       | Instrument Panel Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| DD   |          |                                                                                            |
| DJ   | 56       | Floor Wire and Cowl Side J/B RH (Behind the Glove Box)                                     |
| DK   | 56       | Engine Room Main Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| DL   |          |                                                                                            |
| LA   | 62       | Floor No.2 Wire and Luggage Room J/B (Left Side of the Quarter Panel )                     |
| LC   | 63       |                                                                                            |
| LF   |          |                                                                                            |
| PA   | 49       | Instrument Panel Wire and Cowl Side J/B LH (Lower Finish Panel)                            |
| PD   |          |                                                                                            |
| PJ   | 50       | Floor No.2 Wire and Cowl Side J/B LH (Lower Finish Panel)                                  |
| PL   | 50       | Engine Room Main Wire and Cowl Side J/B LH (Lower Finish Panel)                            |



### : Connector Joining Wire Harness and Wire Harness

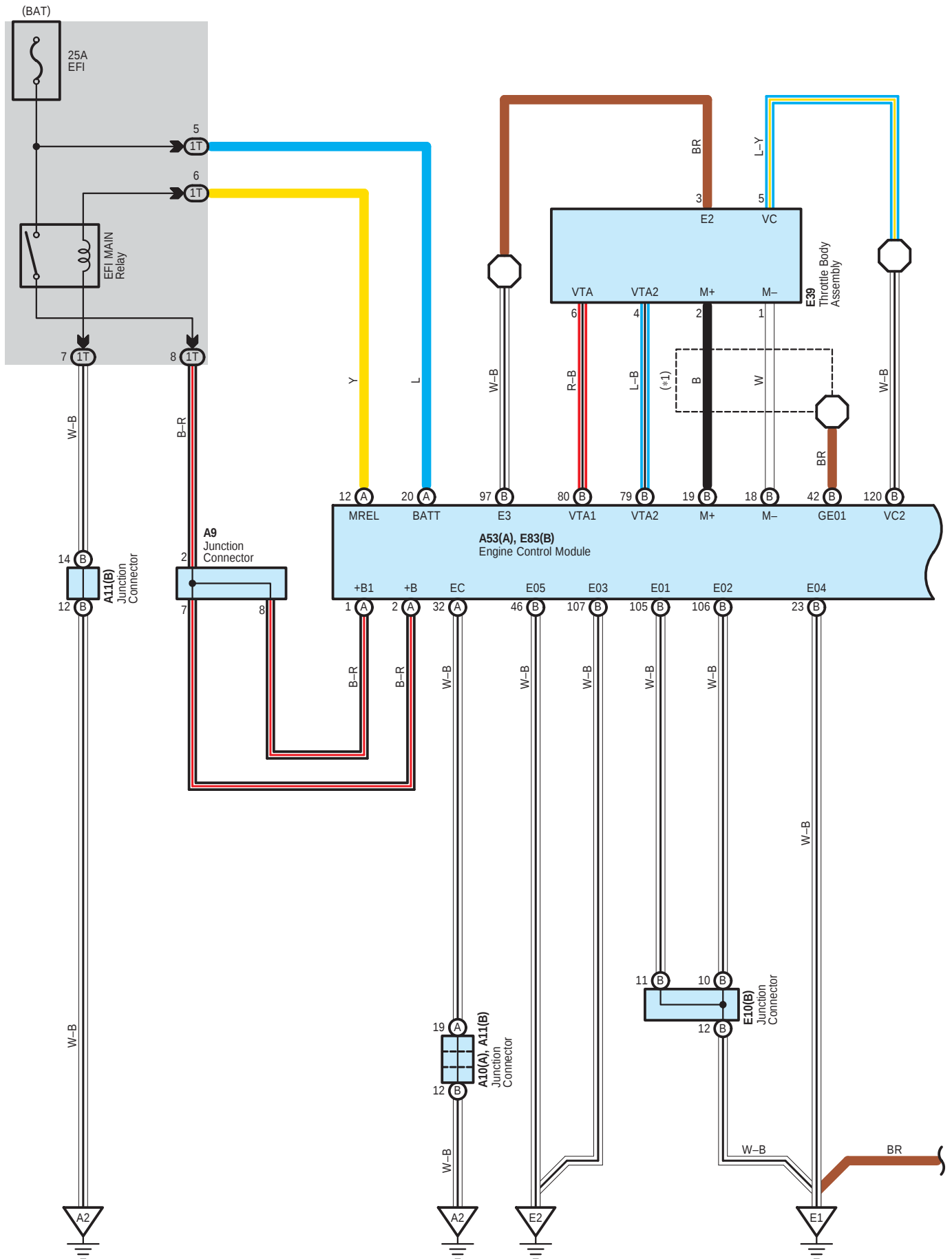
| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location)                     |
|------|----------|--------------------------------------------------------------------------------|
| KA2  | 97       | Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)              |
| KU2  | 97       | Instrument Panel Wire and Floor No.1 Wire (Right Kick Panel)                   |
| KV1  | 97       | Instrument Panel Wire and Floor No.2 Wire (Left Kick Panel)                    |
| KW1  | 97       | Instrument Panel Wire and Roof Wire (Left Side of the Instrument Panel)        |
| MQ2  | 98       | Front Door LH Wire and Front Door LH No.2 Wire (Front Door Inner Panel LH)     |
| MU1  | 97       | Front Door RH Wire and Floor No.1 Wire (Right Kick Panel)                      |
| MU2  |          |                                                                                |
| MV1  | 97       | Front Door LH Wire and Floor No.2 Wire (Left Kick Panel)                       |
| MV2  |          |                                                                                |
| OU1  | 98       | Rear Door No.1 Wire and Floor No.1 Wire (Right Center Pillar)                  |
| OV1  | 98       | Rear Door No.2 Wire and Floor No.2 Wire (Left Center Pillar)                   |
| UV1  | 98       | Floor No.1 Wire and Floor No.2 Wire (Center of the Rear Floor Partition Panel) |

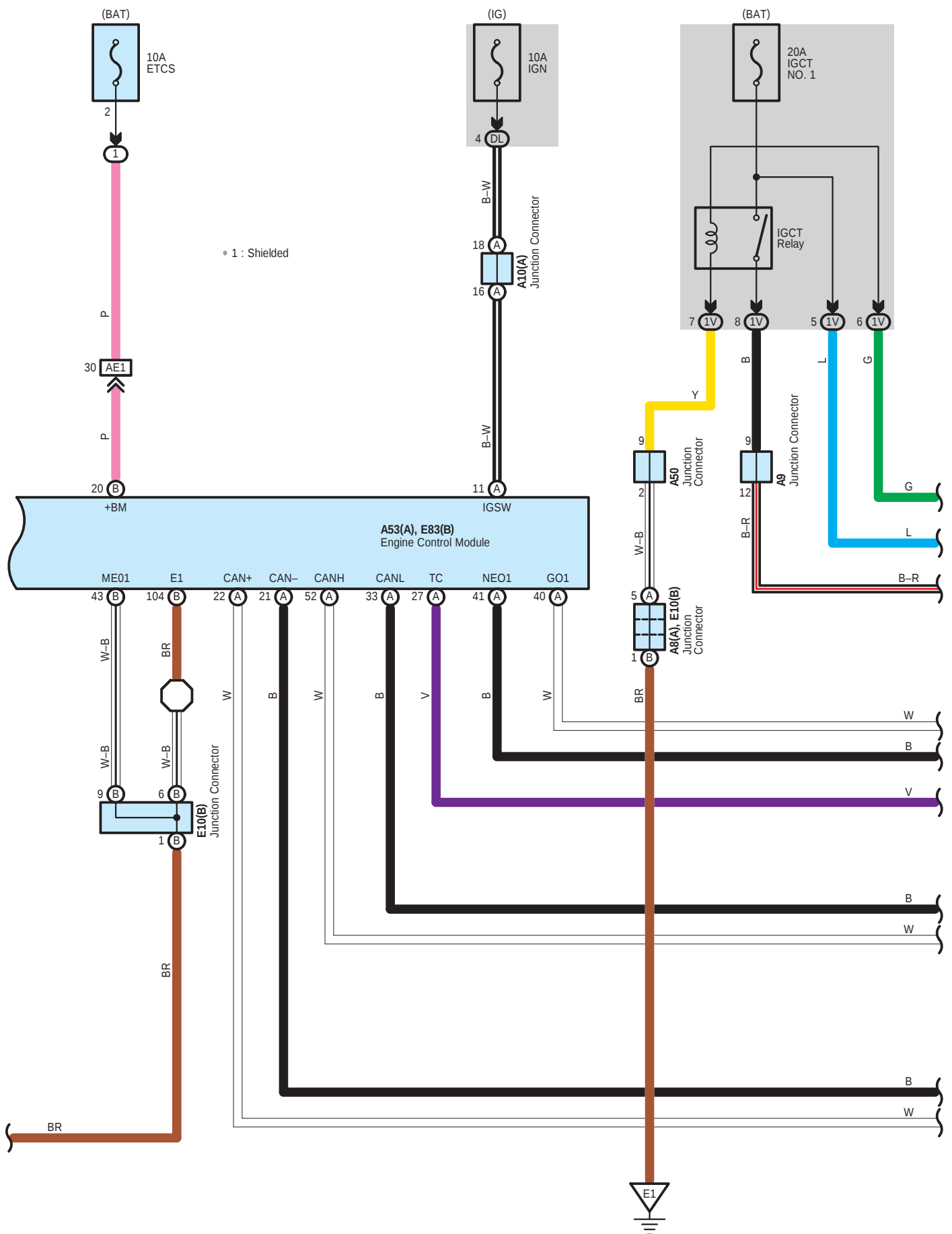


: Ground Points

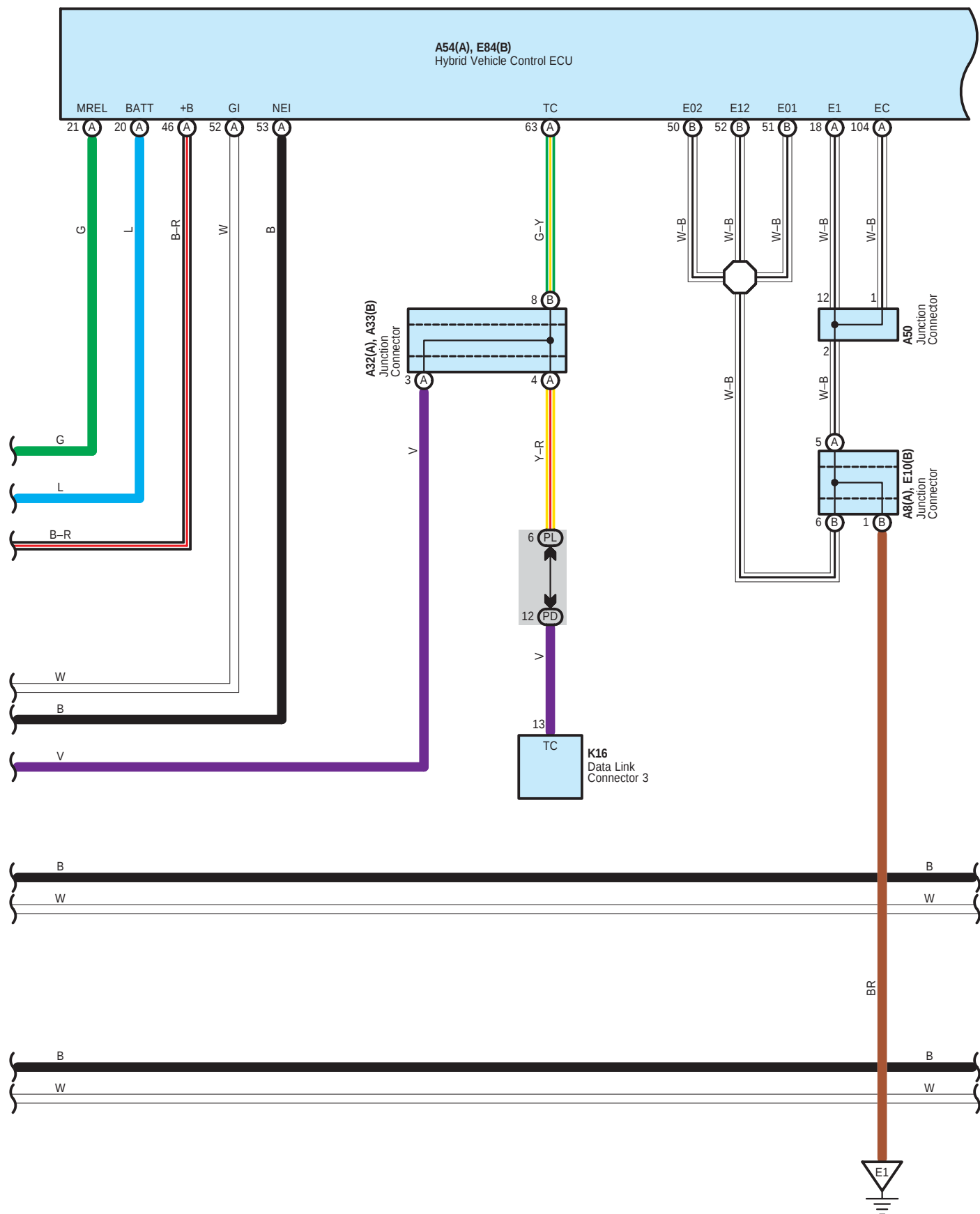
| Code | See Page | Ground Points Location                       |
|------|----------|----------------------------------------------|
| A2   | 96       | Front Left Fender Apron                      |
| B1   | 96       | Near the Headlamp RH                         |
| K1   | 97       | Left Kick Panel                              |
| K2   | 97       | Left Side of the Shift Lever                 |
| K4   | 97       | Right Kick Panel                             |
| U1   | 98       | Under the Front Passenger's Seat             |
| U2   | 98       | Right Side of the Rear Floor Partition Panel |
| V1   | 98       | Under the Driver's Seat                      |
| V2   | 98       | Roof Side Inner Panel LH                     |

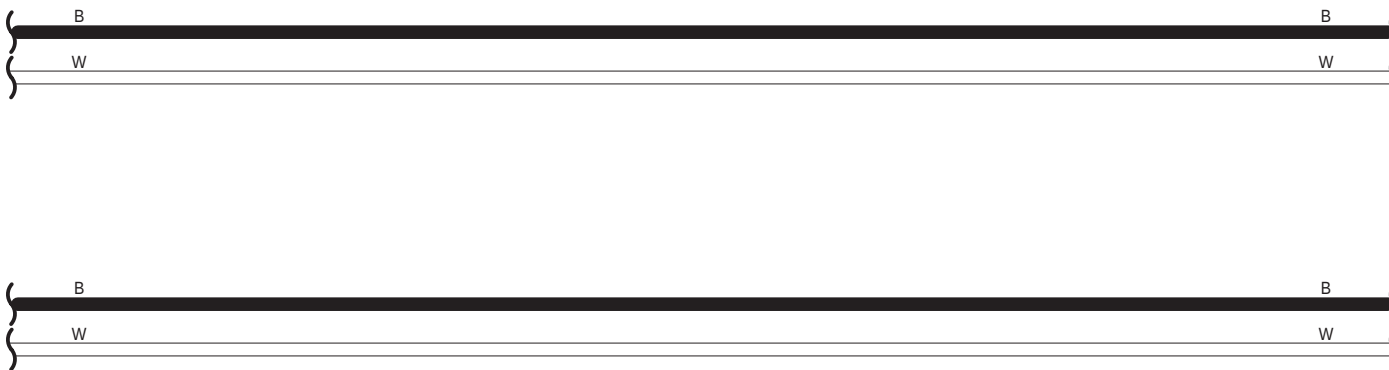
# Dynamic Radar Cruise Control



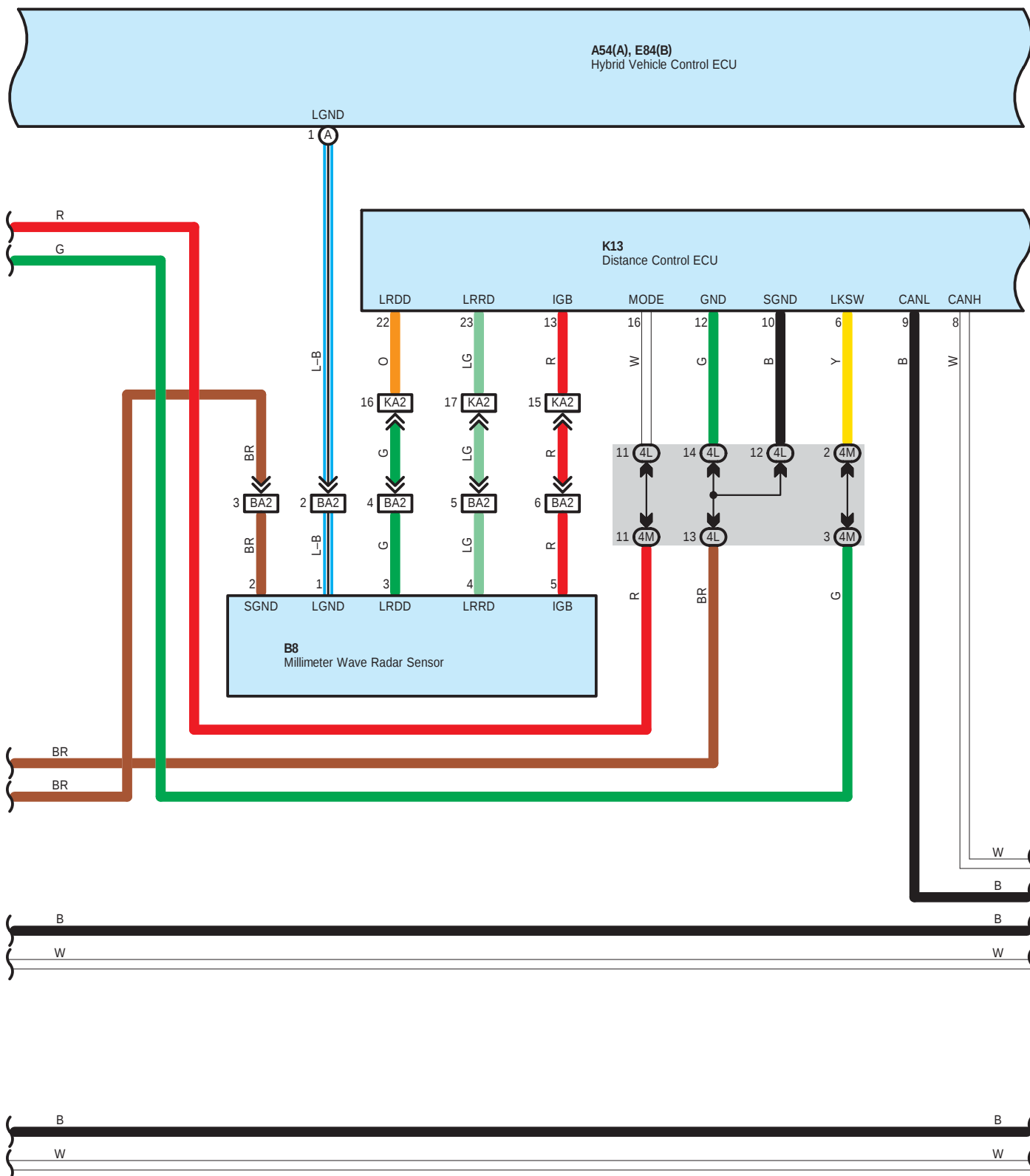


# Dynamic Radar Cruise Control



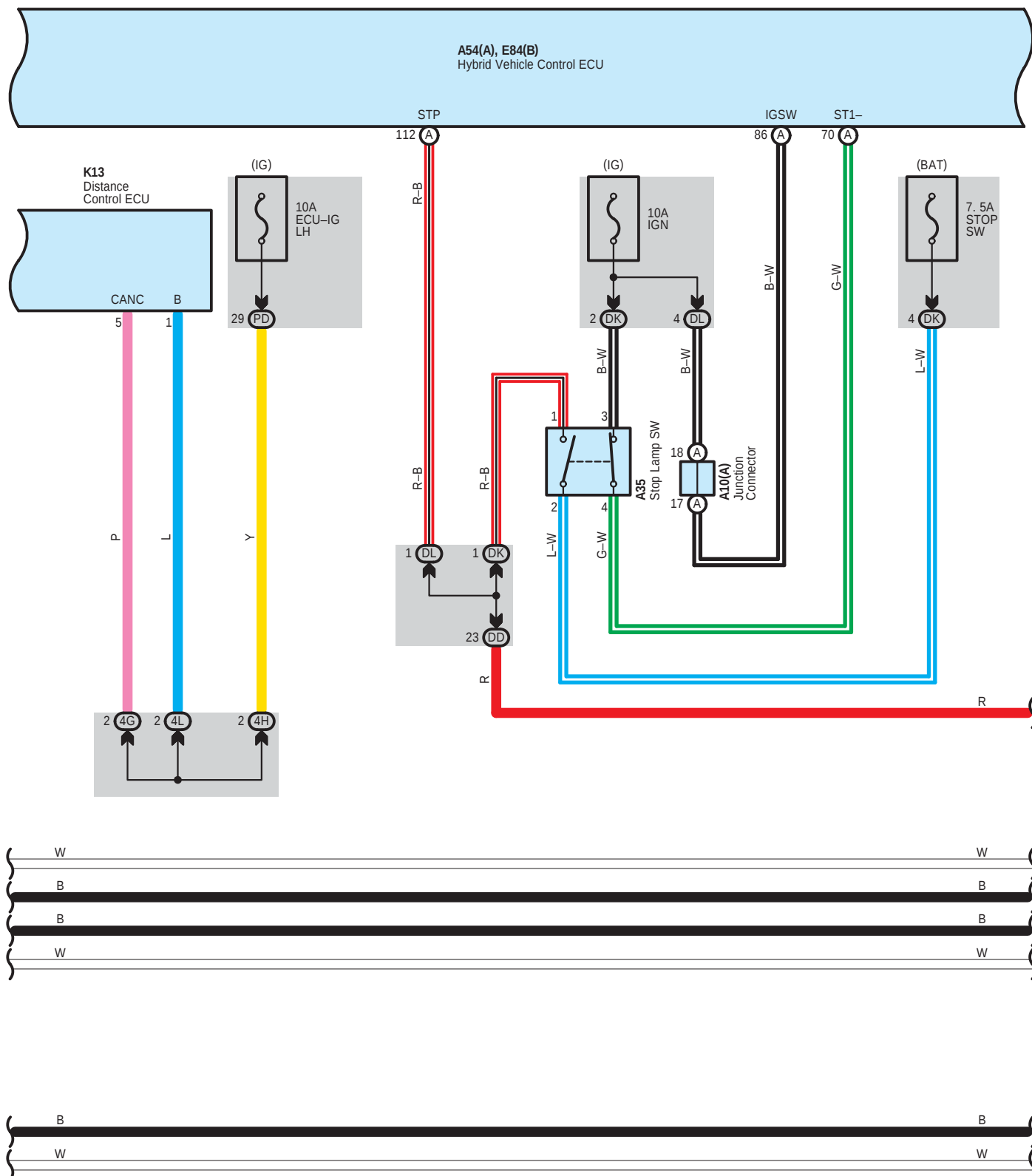


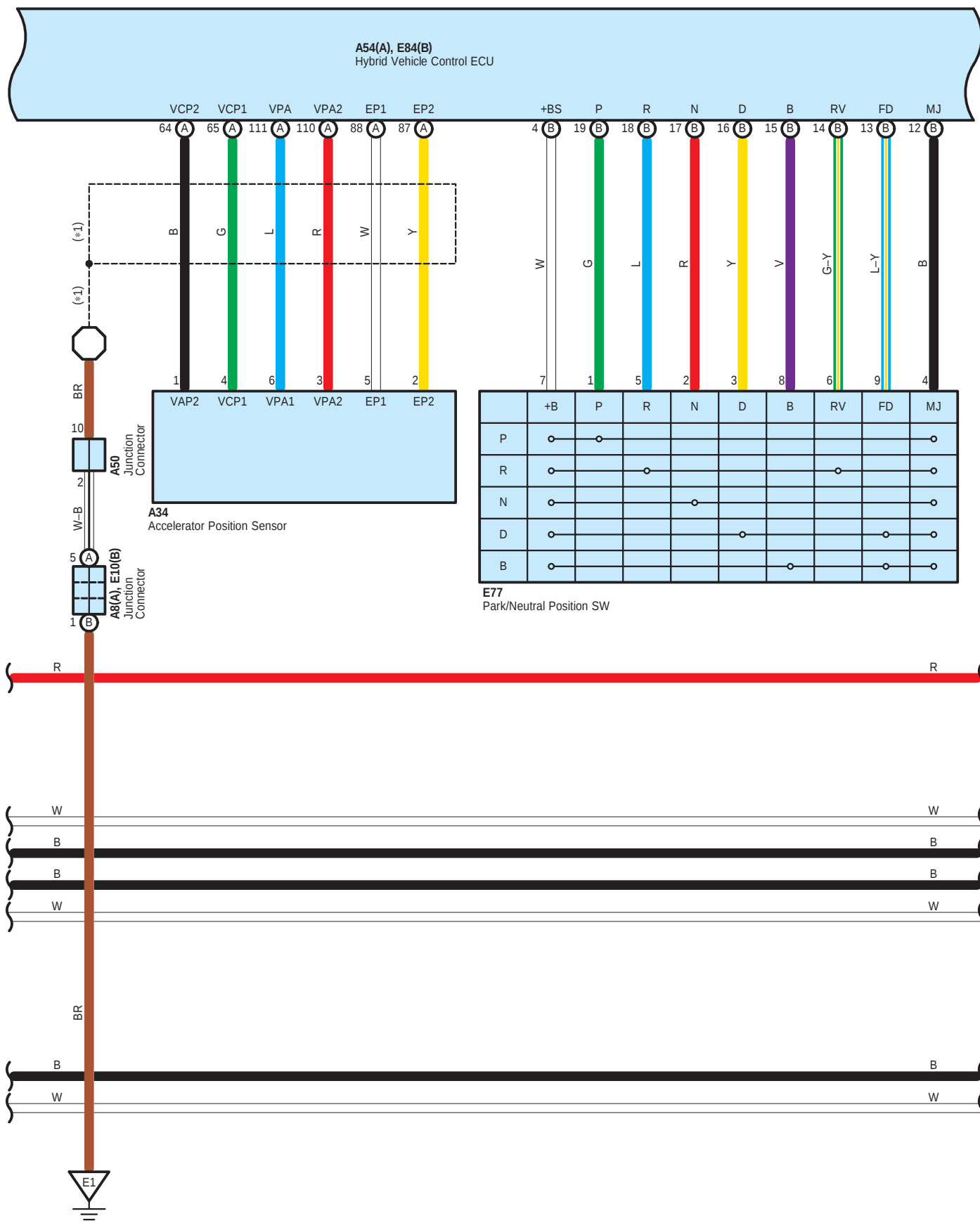




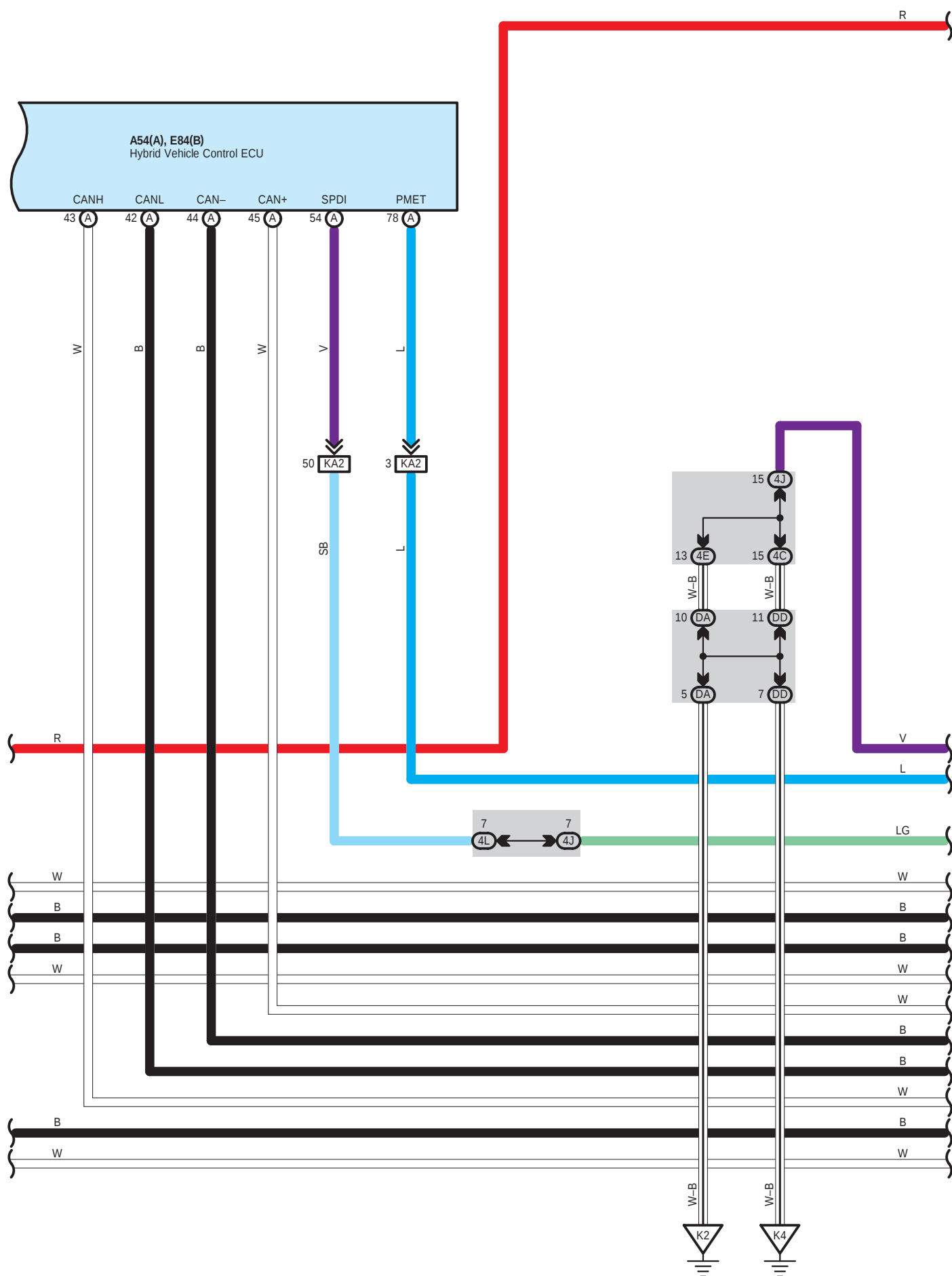
# Dynamic Radar Cruise Control

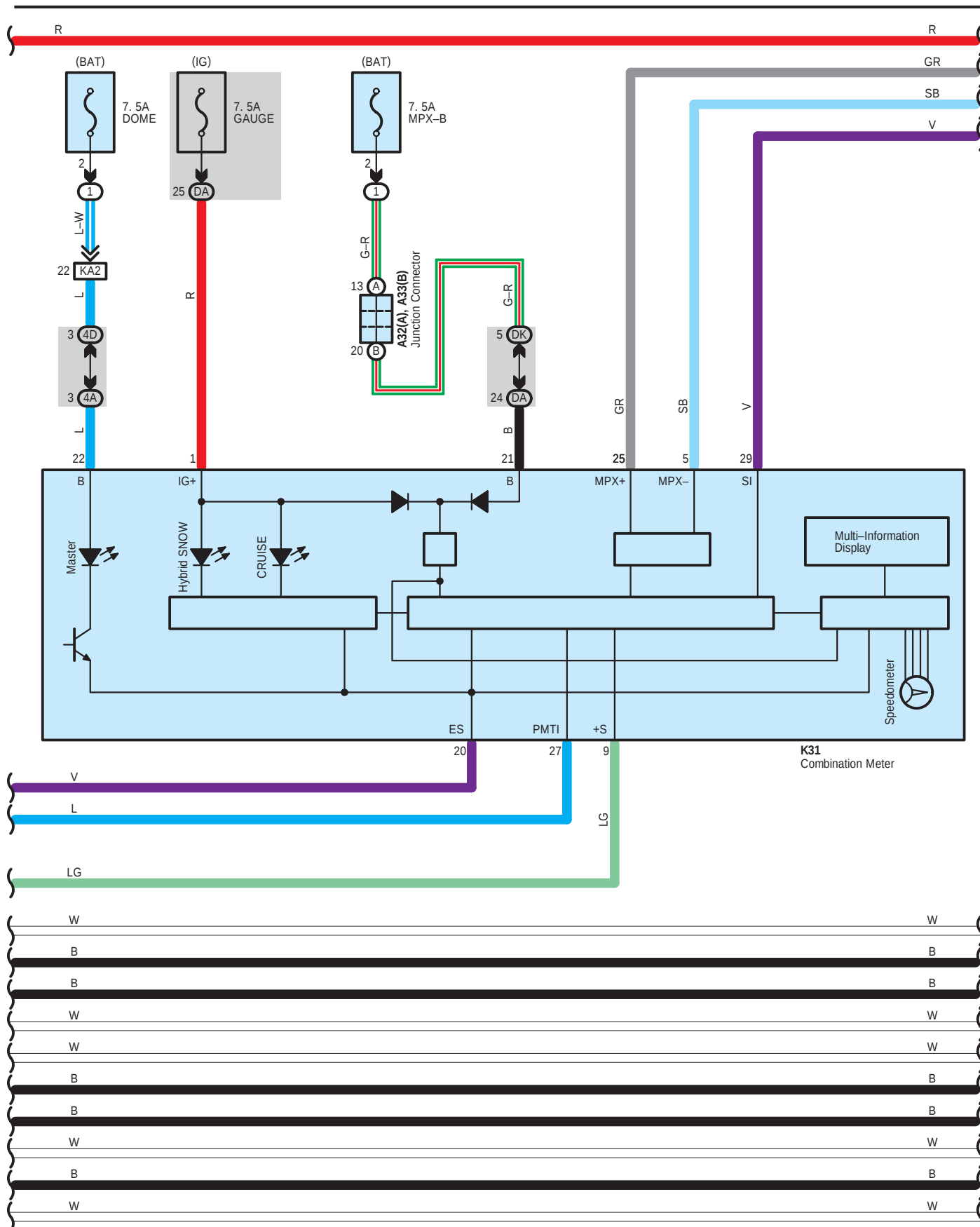
\* 1 : Shielded



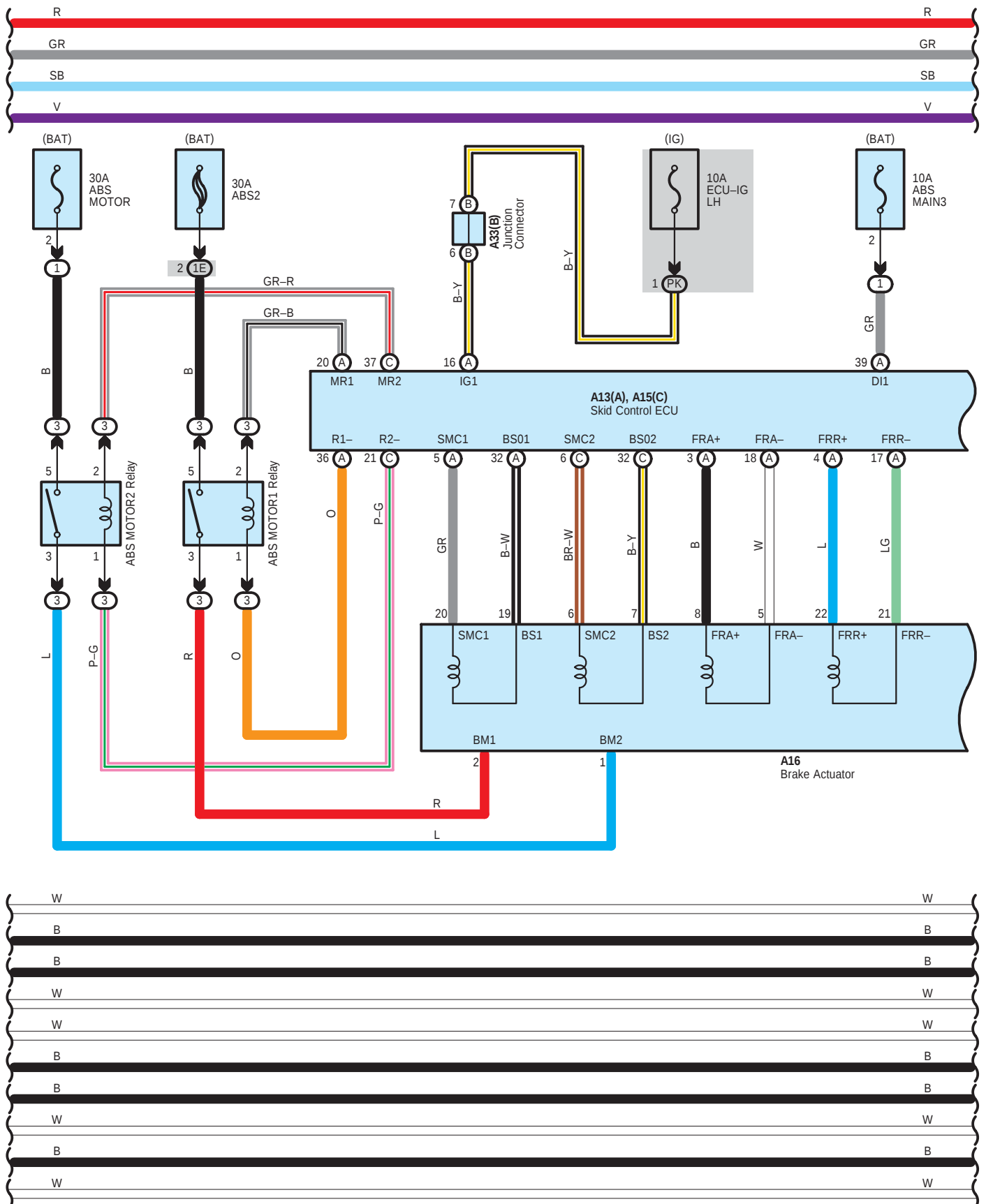


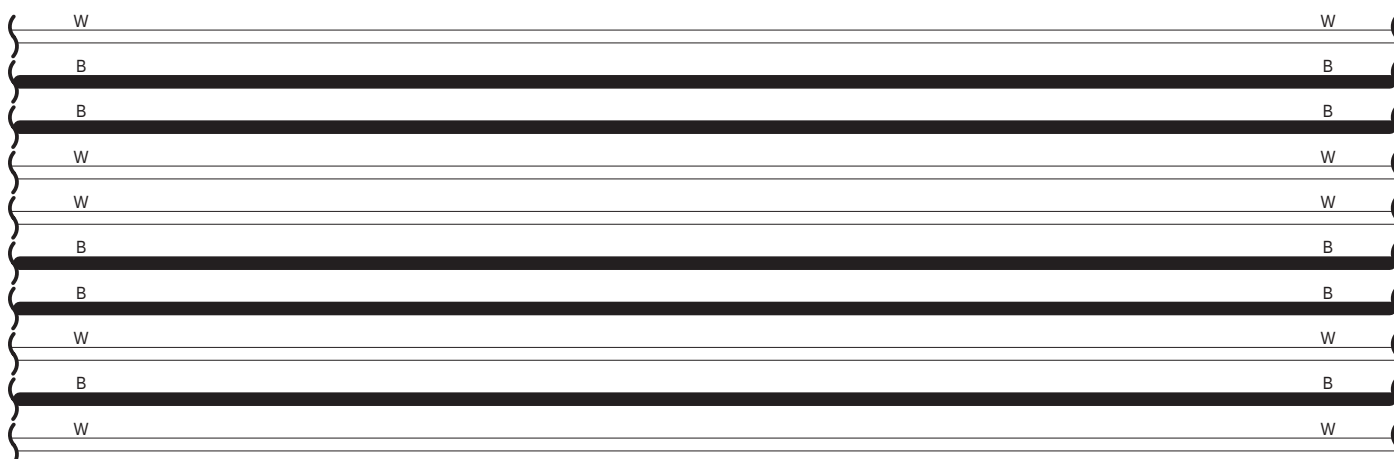
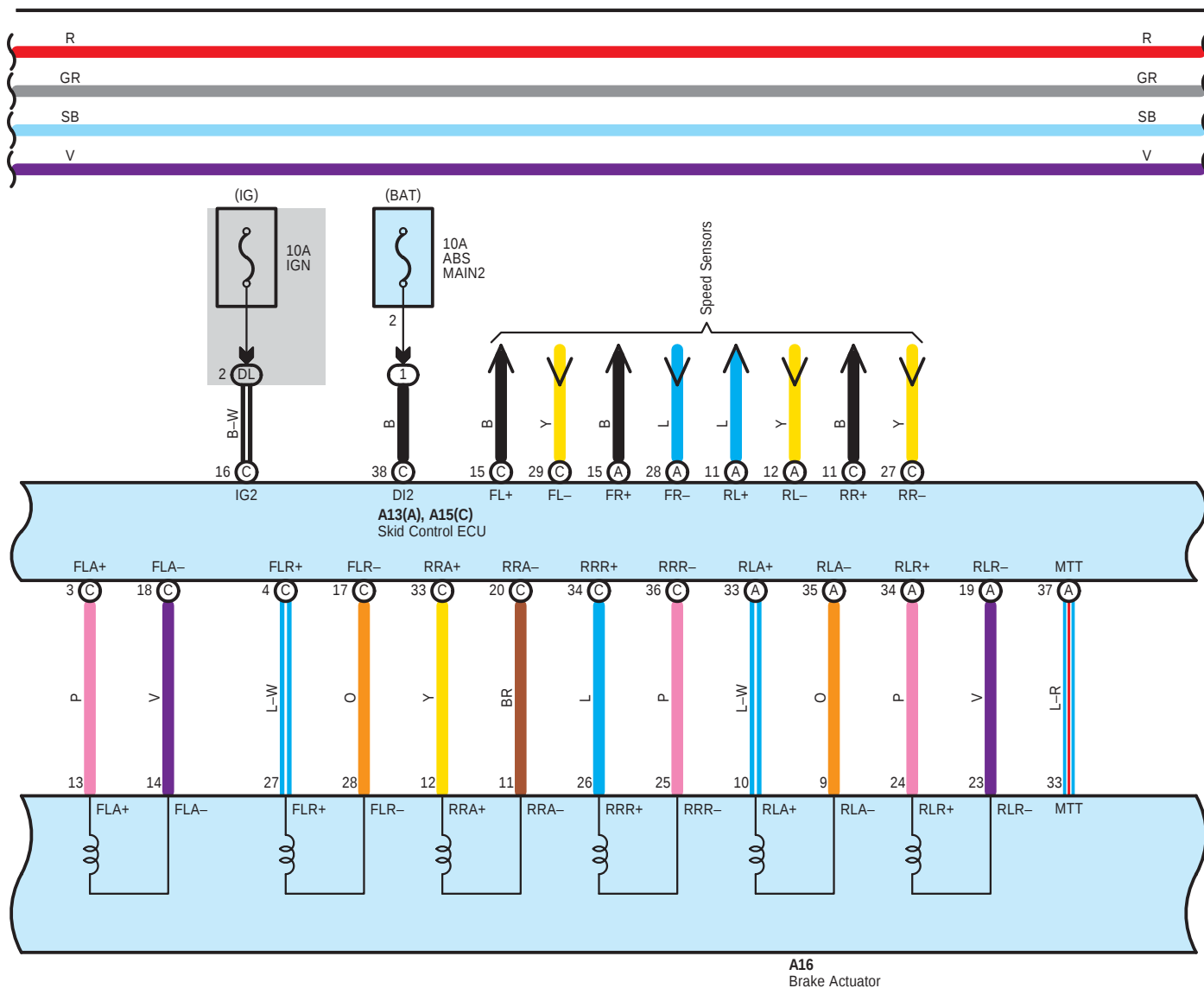
# Dynamic Radar Cruise Control



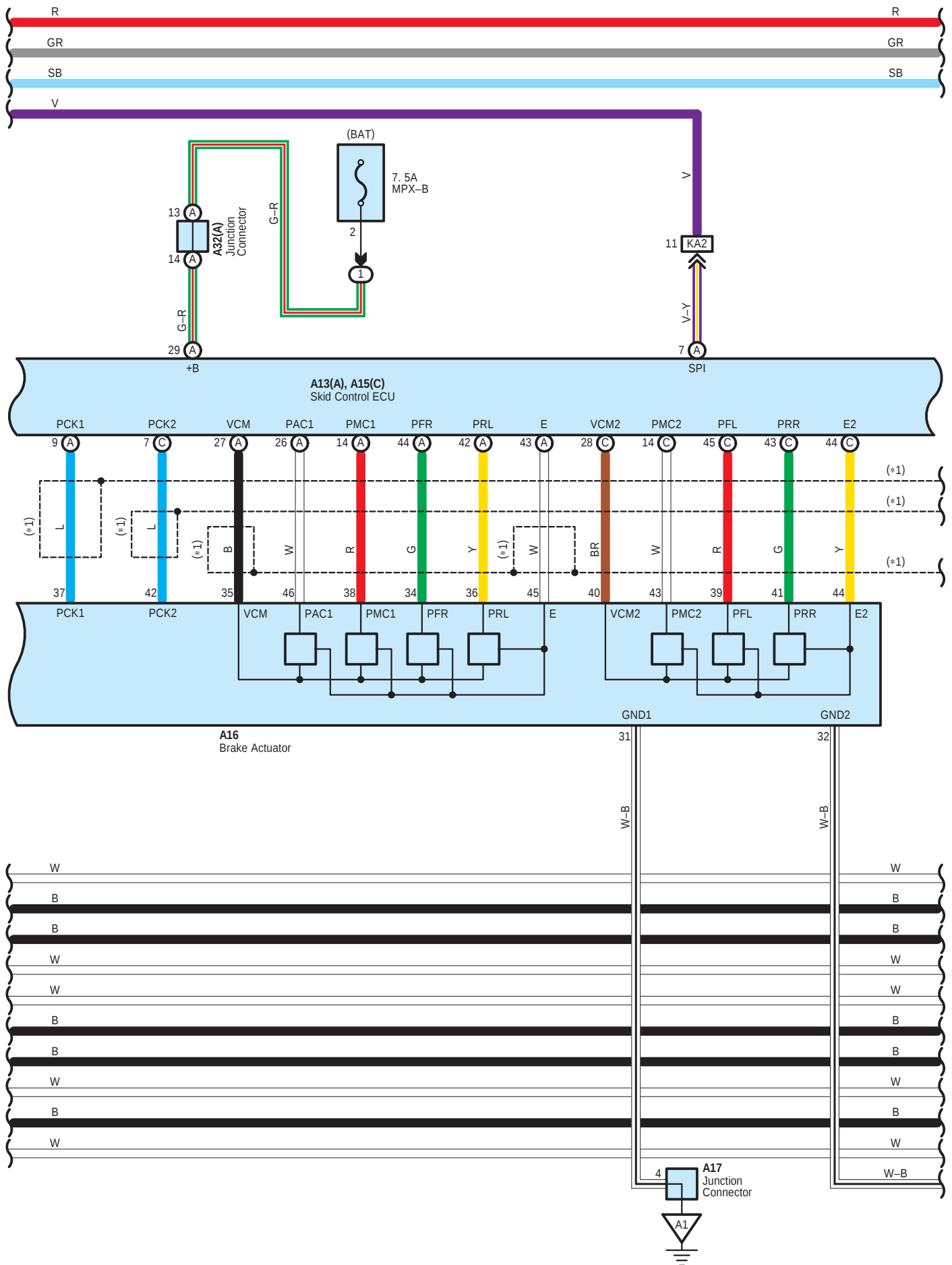


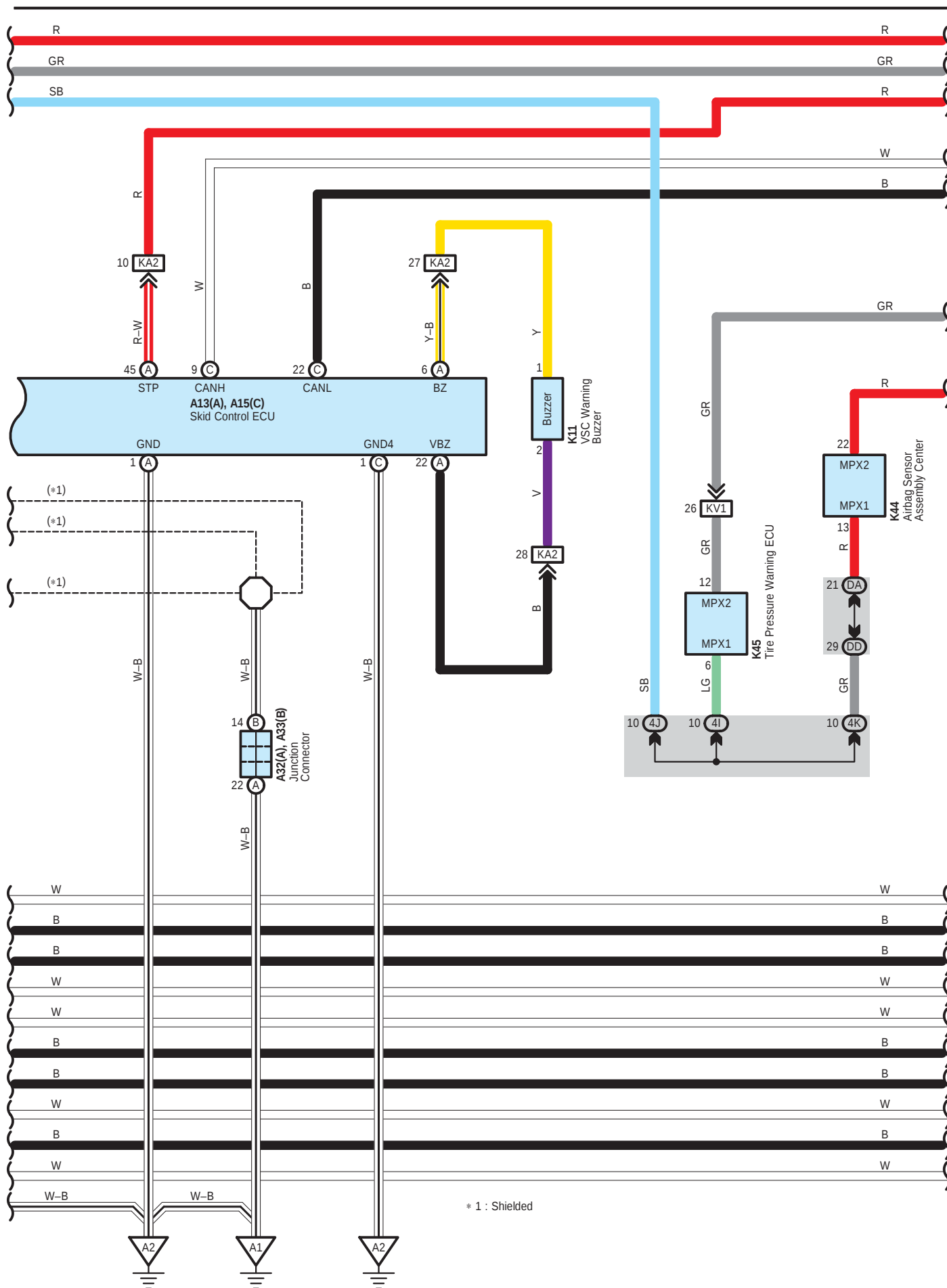
# Dynamic Radar Cruise Control



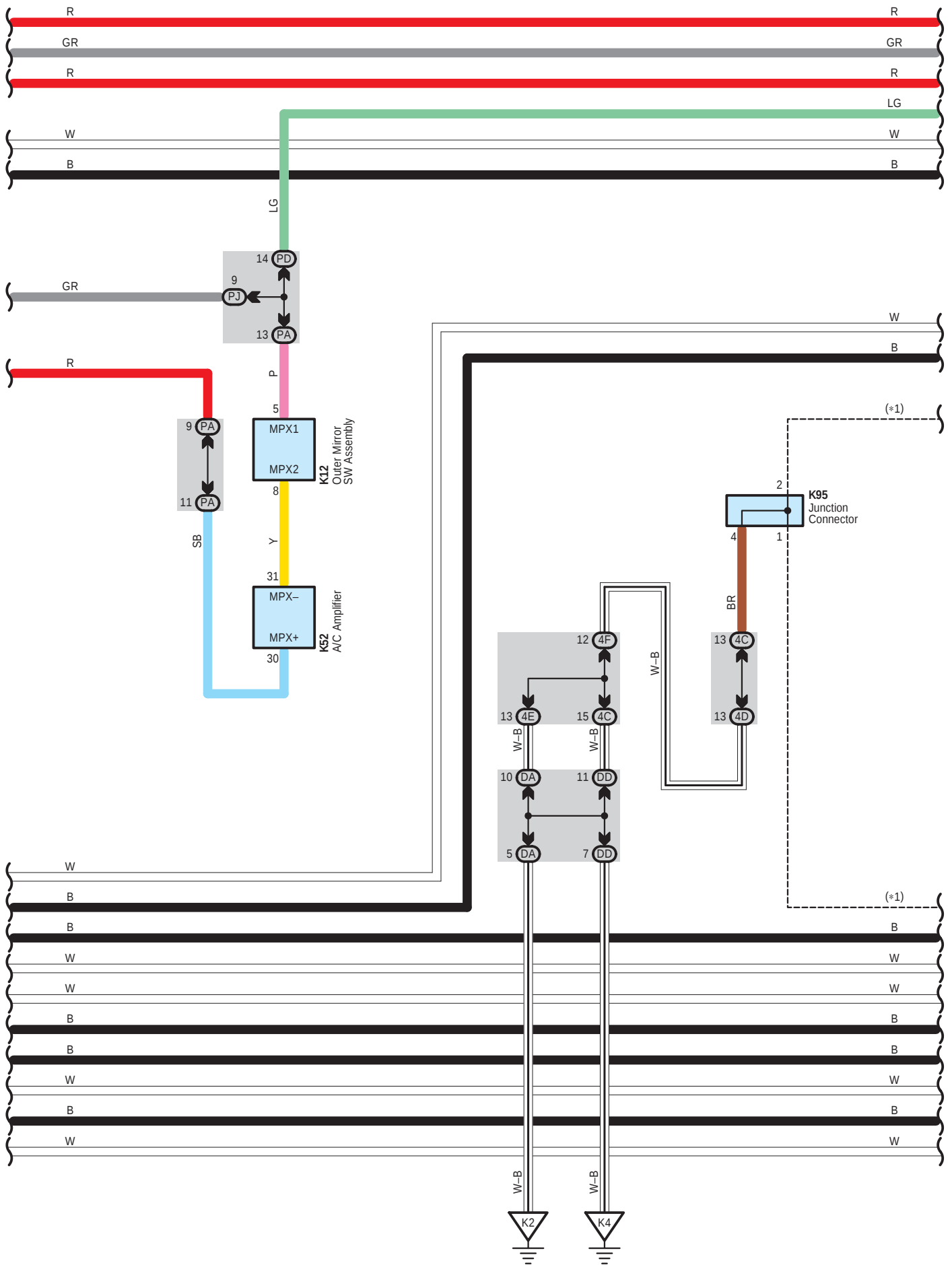


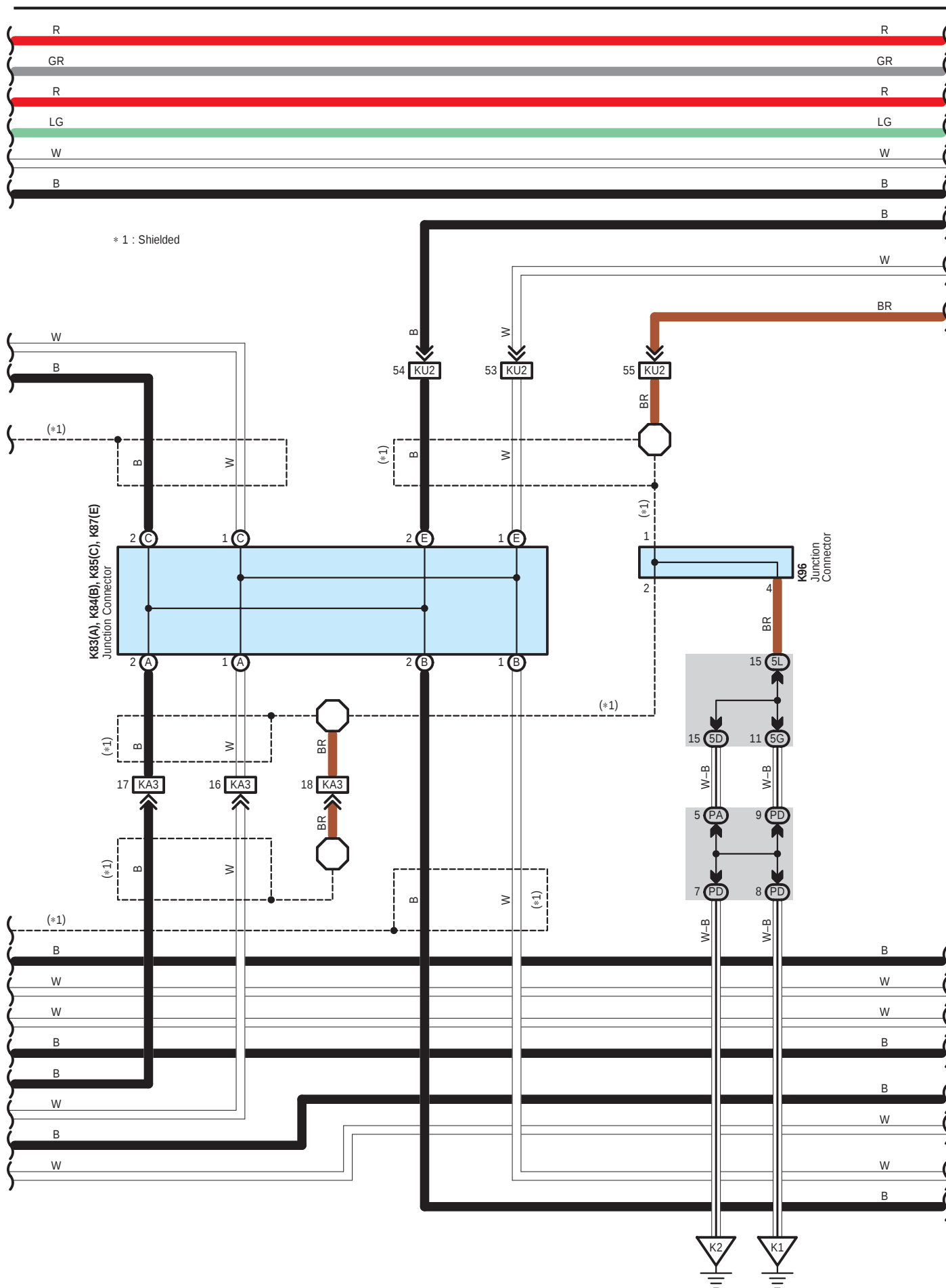
# Dynamic Radar Cruise Control



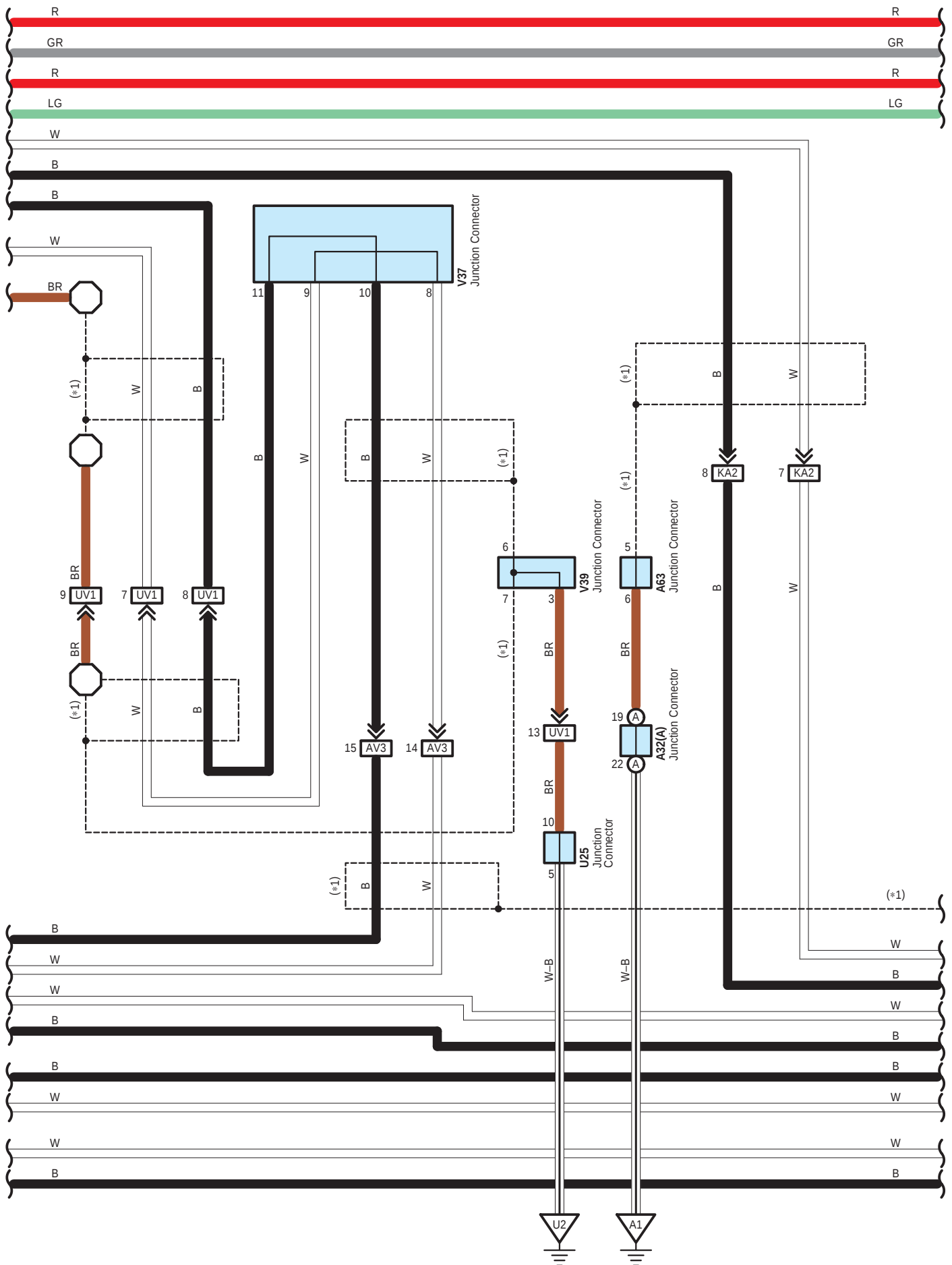


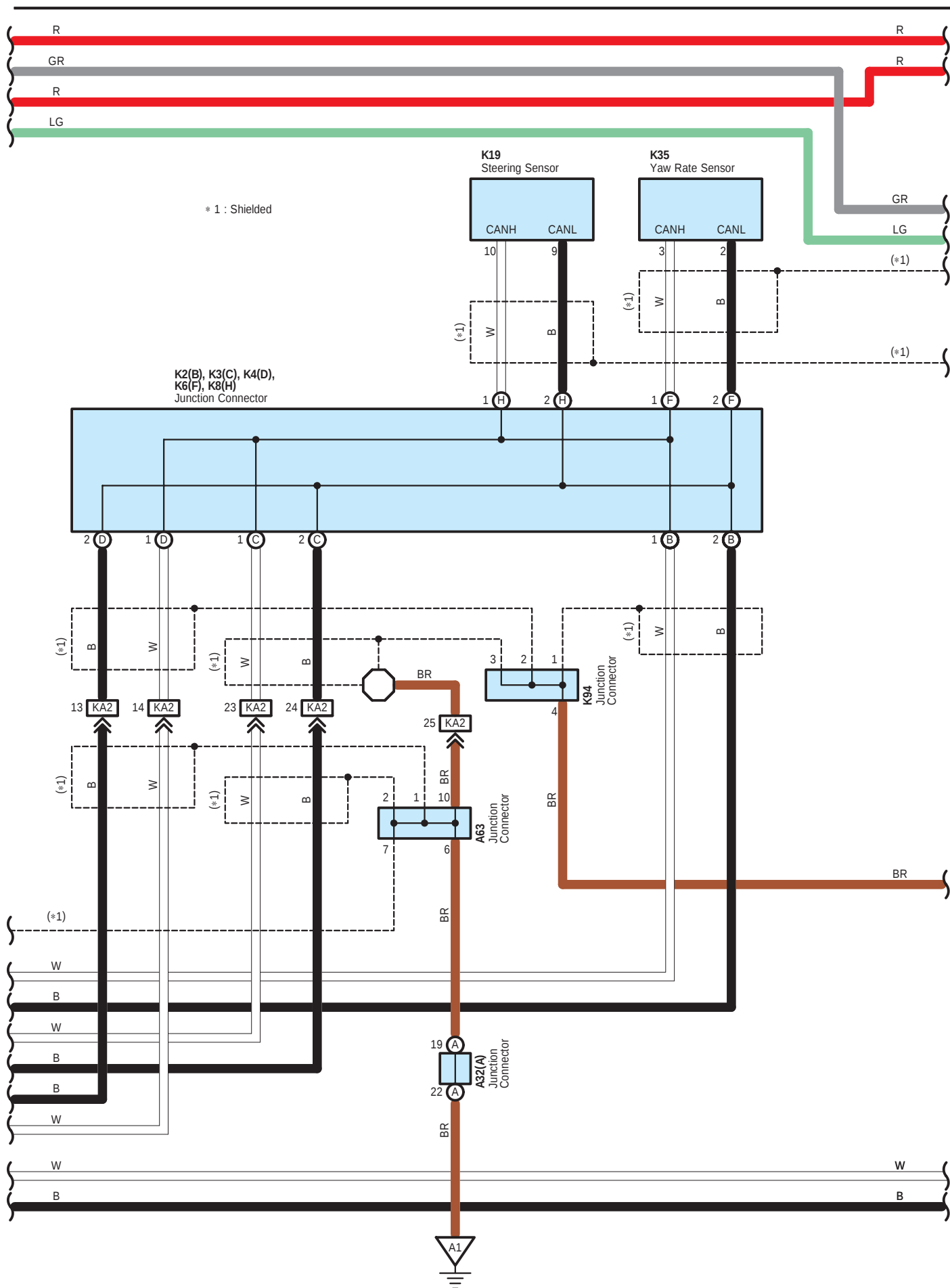
# Dynamic Radar Cruise Control



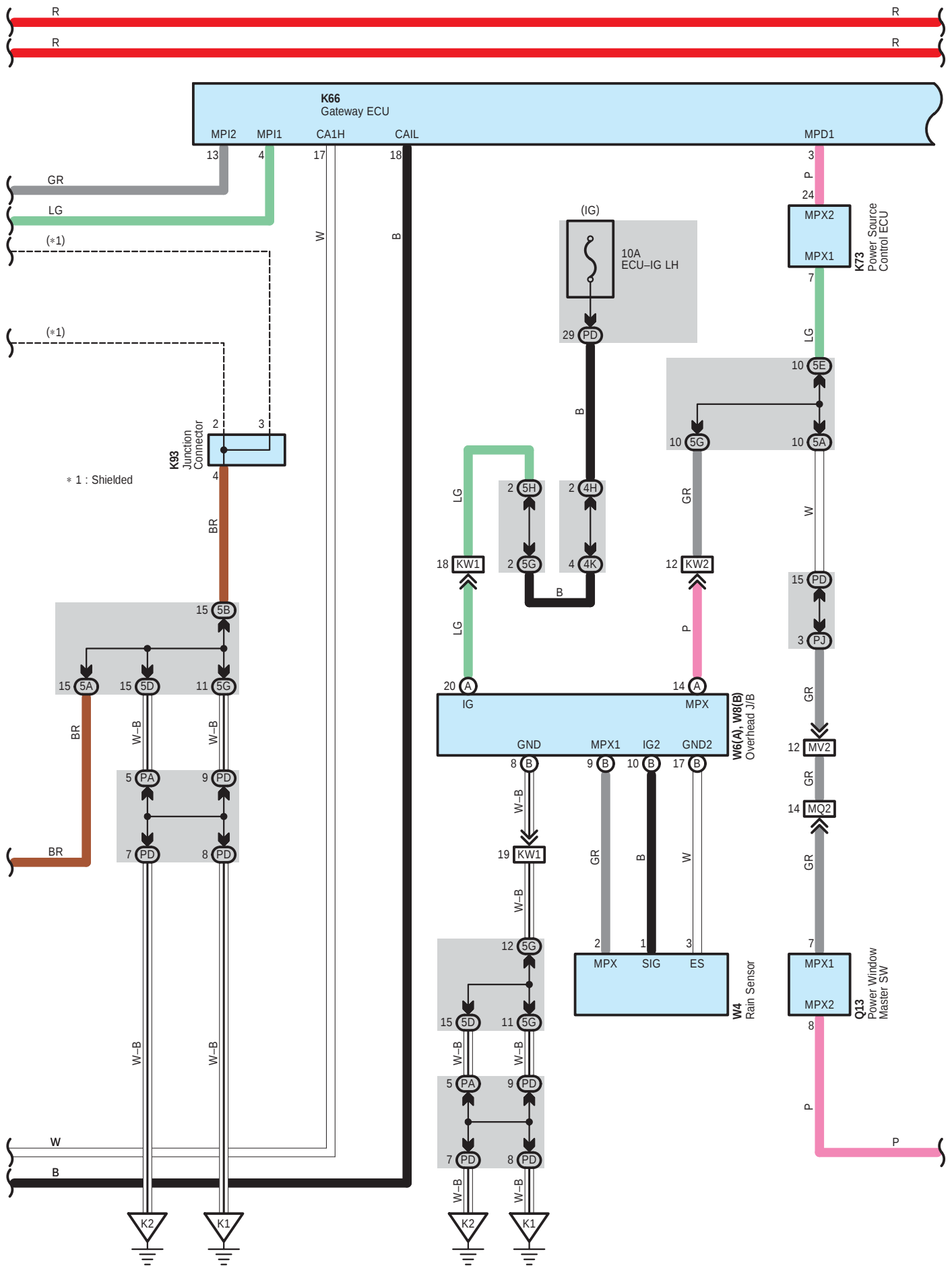


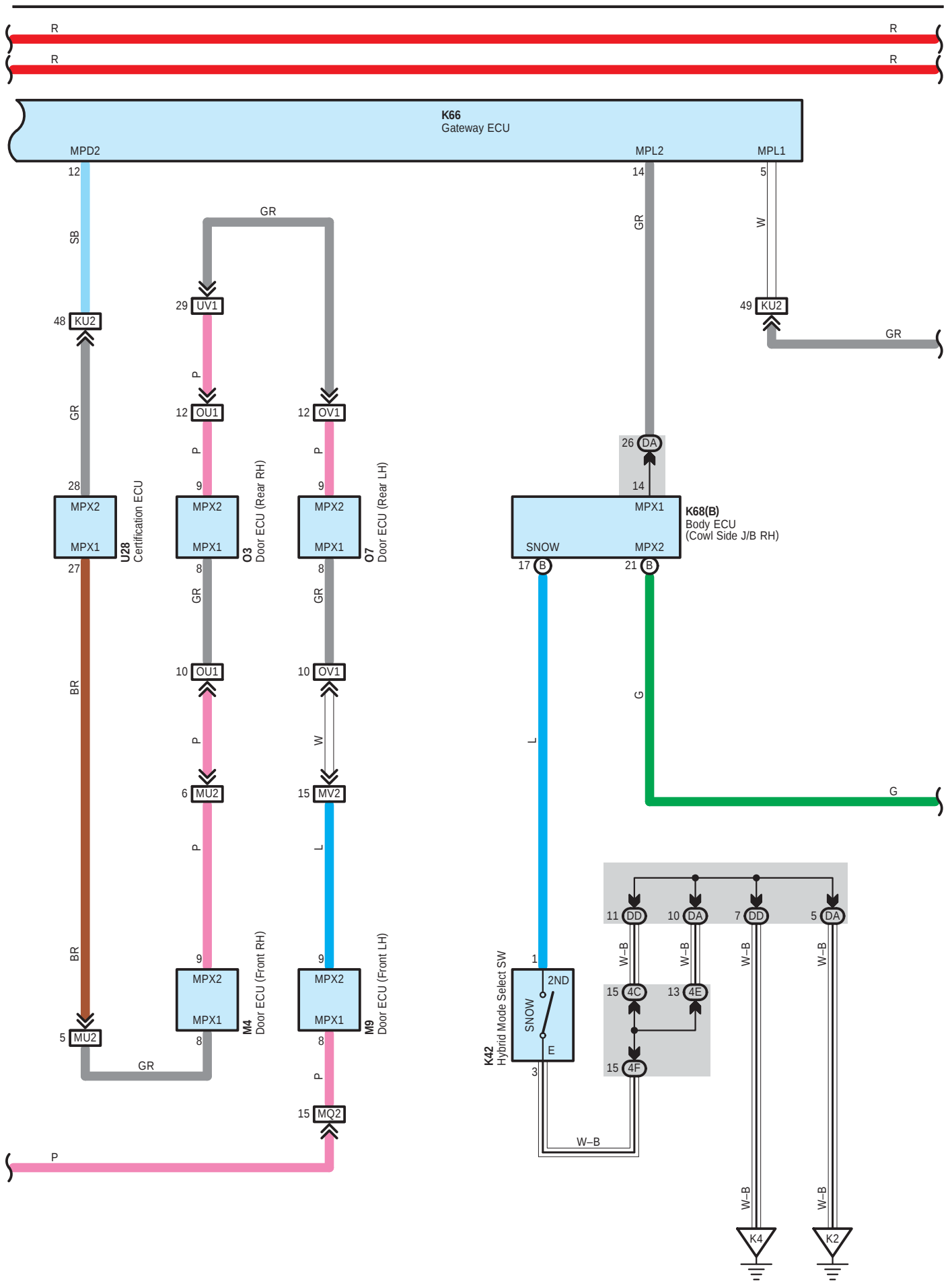
# Dynamic Radar Cruise Control





# Dynamic Radar Cruise Control

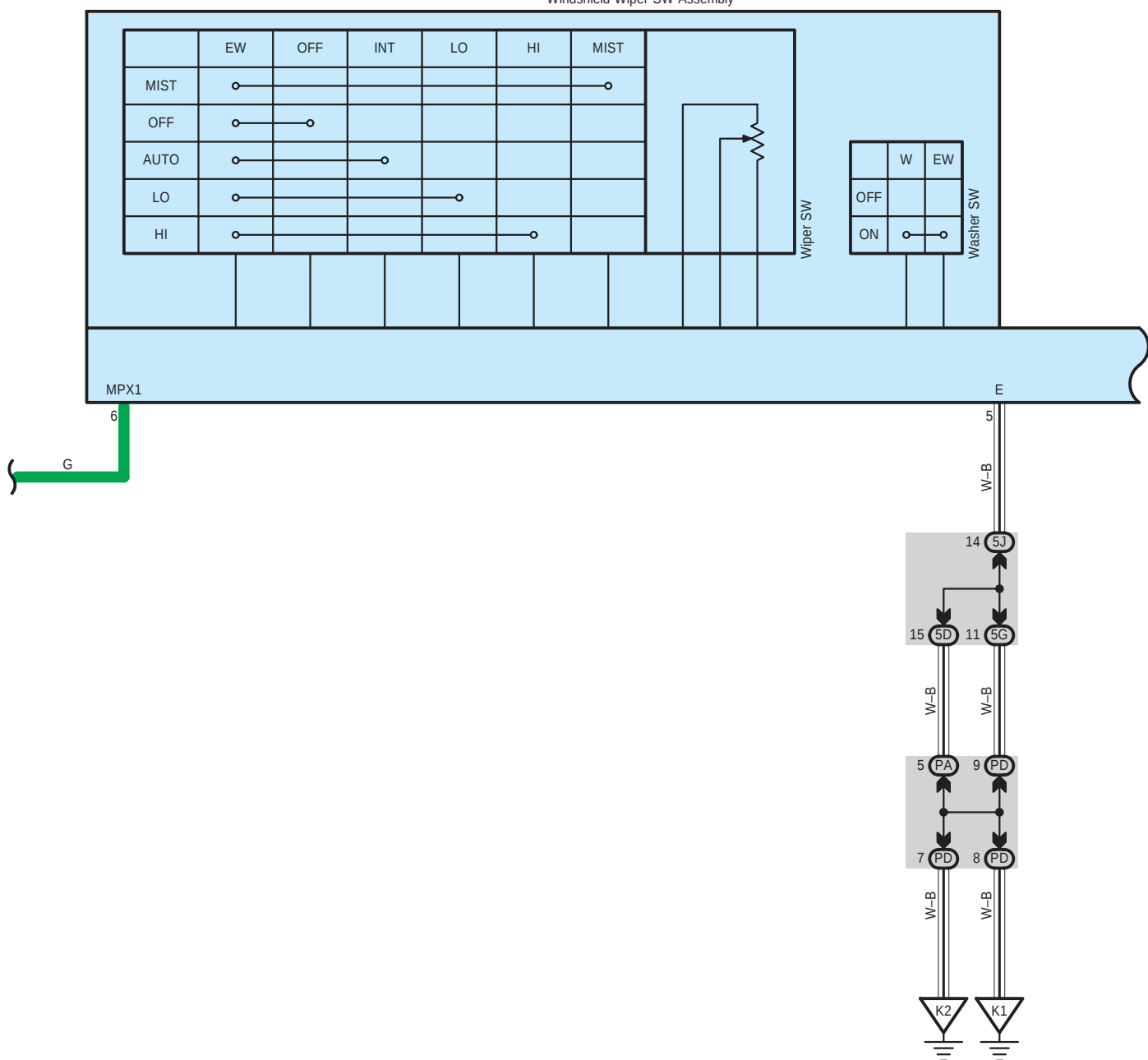




# Dynamic Radar Cruise Control

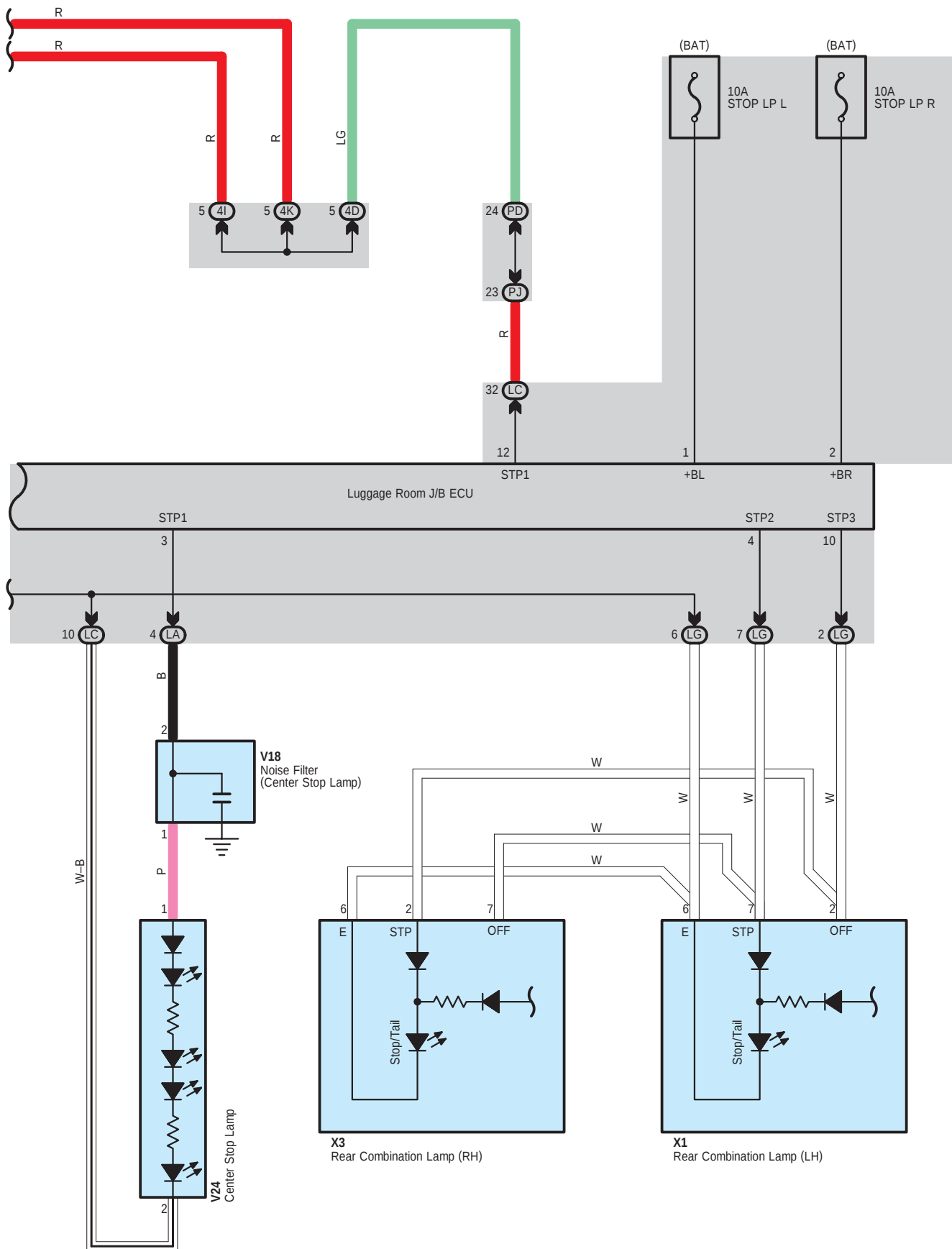


**K22**  
Windshield Wiper SW Assembly





# Dynamic Radar Cruise Control



## System Outline

The dynamic radar cruise control system allows the vehicle to follow a vehicle ahead with proper distance in between by detecting the vehicle ahead and its driving lane with the millimeter wave radar, yaw rate sensor and steering sensor.

### Control Function Outline

#### 1. Setting

During driving under the ON-OFF SW ON condition (The power indicator is lit), when – SET SW is operated at the vehicle speed higher than the lower limit vehicle speed for setting, the control starts, taking the vehicle speed at the switch turning OFF as set speed. However when the switch is operated at the speed higher than the higher limit vehicle speed for setting, the control starts, taking the higher limit speed as set speed.

#### 2. Changing Method of the Set Speed

<At vehicle-to-vehicle distance control mode>

##### (1) How to lower the set speed

- \* During driving with the cruise control, truing ON the – SET SW decelerates the vehicle speed while the switch is kept ON. The vehicle speed at the switch turning OFF is stored in the memory as the set speed to control.
- \* When the vehicle speed exceeds the higher limit speed for setting on downhill slope during operating the – SET SW, the higher limit speed is stored in the memory as the set speed to control if the switch is turned OFF.

##### (2) How to raise the set speed

- \* During driving with the cruise control, truing ON the + RES SW accelerates the vehicle speed while the switch is kept ON. The vehicle speed at the switch turning OFF is stored in the memory as the set speed to control.
- \* When the vehicle speed exceeds the higher limit speed for setting during operating the + RES SW, the vehicle is controlled with the higher limit speed during the switch operation and the higher limit speed is stored in the memory as the set speed to control.
- \* When the + RES SW is kept ON during the follow-up control, the vehicle speed is not raised but the follow-up control is continued. However the set speed is raised in 1 km/h step while the switch is kept ON.
- \* When the speed is accelerated by depressing the accelerator pedal and the – SET SW is operated, the set speed is reset with the speed at turning OFF the switch. However when the switch is operated above the higher limit vehicle speed for setting, the vehicle is controlled with the higher limit speed as a set speed.

<At constant speed control mode>

##### (1) Deceleration

- \* During driving with the cruise control, truing ON the – SET SW decelerates the vehicle speed while the switch is kept ON. The vehicle is controlled with the vehicle speed at the switch turning OFF as the set speed. When the vehicle speed exceeds the high speed limit on downhill slope during operating the – SET SW, the vehicle is controlled with the high speed limit as the set speed to control if the switch is turned OFF.
- \* If the – SET SW is operated momentarily (Approx. 0.5 sec.), the set speed is decelerated in 1.6 km/h (1 mph) steps with every switch operation. Please note that if the switch is operated when the set speed differs from actual speed by 5 km/h or more, the vehicle is controlled with the speed when the switch is turned OFF as the set speed.

##### (2) Acceleration

- \* During driving with the cruise control, truing ON the + RES SW accelerates the vehicle speed while the switch is kept ON. The vehicle is controlled with the vehicle speed at the switch turning OFF as a set speed. When the vehicle speed exceeds the high speed limit during operating the + RES SW, the vehicle is controlled with the high speed limit before finishing the switch operation and is controlled with the speed at the switch turning OFF as a set speed.
- \* If the – SET SW is operated momentarily (Approx. 0.5 sec.), the set speed is decelerated in 1.6 km/h (1 mph) steps with every switch operation. Please note that if the switch is operated when the set speed differs from actual speed by 5 km/h or more, the vehicle is controlled with the speed at the switch turning OFF as the set speed.
- \* When the speed is accelerated by depressing the accelerator pedal and the – SET SW is operated, the set speed is reset with the speed at turning OFF the switch. However when the switch is operated at the high speed limit, the switch operation will not be effective.

### 3. The Lower Limit Vehicle Speed for Setting

- \* It means the lower limit speed in settable range and sets the lower limit speed. It is discriminated from the low speed limit.
- \* Set speed is not stored in the memory during driving at the lower limit vehicle speed for setting or slower.
- \* When the vehicle speed falls down to slower than the lower limit vehicle speed for setting with – SET SW ON, the cruise control is automatically canceled. The vehicle-to-vehicle distance control mode keeps the stored the vehicle speed in the memory and the constant speed control mode erases the stored vehicle speed.

### 4. The Low Speed Limit

It means the lower limit speed in controllable range and is set at 40km/h. When the vehicle speed falls down to slower than 40km/h during cruise control driving, the cruise control is automatically canceled. Keeps the stored vehicle speed in the memory.

### 5. The Higher Limit Vehicle Speed for Setting

It means the higher limit speed in settable range and sets the higher limit speed.

### 6. The High Speed Limit

It means the higher limit speed in driving with cruise control in the constant speed control mode and sets the upper limit speed.

### 7. Resume

- \* If the cruise control is cancelled at the vehicle speed higher than the low speed limit, turning ON the + RES SW accelerates the vehicle to the set speed when the cruise control is cancelled with the resume control. In the constant speed control mode, if once the vehicle speed drops down below the low speed limit, the resume control will not work even though the vehicle speed is accelerated above the low speed limit again.
- \* Under the follow-up control, when a vehicle ahead is cleared due to the vehicle's lane change or the driver's own vehicle's lane change, the driver's vehicle accelerates gradually up to the set vehicle speed. Turning ON the + RES SW brings swift acceleration.

### 8. Cancel

The cruise control is cancelled if the following signals are input during driving with the cruise control.

- (1) Stop lamp switch ON
- (2) ON to OFF of D position circuit in the park/neutral position switch
- (3) CANCEL SW ON of the control switch
- (4) ON-OFF SW OFF
- (5) VSC operation

## 9. Auto Cancel

(1) The set vehicle speed is erased in the memory and the cruise control is cancelled in the following conditions. Until the ON-OFF SW is turned ON again, the cruise operation indicator blinks and FAIL is displayed on the display after the master warning lamp illuminates as well as the warning sound. The control will not be effective unless the ON-OFF SW is turned ON again.

- A) When the vehicle speed signal is abnormal
- B) When the electronic throttle parts are abnormal
- C) When the stop lamp switch is disconnected and short-circuit.

(2) The set vehicle speed is erased in the memory and the cruise control is cancelled in the following conditions. Until the ON-OFF SW is turned ON again, the cruise operation indicator blinks and FAIL is displayed on the display after the master warning lamp illuminates as well as the warning sound. The control will not be effective unless the ON-OFF SW is turned ON again.

- A) When the radar sensor is abnormal
- B) When the radar sensor beam axis is not aiming properly.
- C) When the radar cruising system is abnormal other than above A) and B) case

(3) In the following conditions, the cruise control is cancelled with the set vehicle speed is kept in the memory. FAIL is displayed on the display after the master warning lamp illuminates as well as the warning sound. The control will not be effective unless condition resumes from the followings or the ON-OFF SW is turned ON again.

- A) When radar sensor is dirty.
- B) When the wiper is in operation
- C) In SNOW mode
- D) When normal detection is extremely unstable due to bad weather.

(4) The set vehicle speed is erased in the memory and the cruise control is cancelled in the following conditions. However the set vehicle speed is kept in the vehicle-to-vehicle distance control mode.

- A) When the vehicle speed reaches the low speed limit (Approx. 40 km/h).
- B) When the vehicle speed reaches below the lower limit vehicle speed for setting (Approx. 45 km/h) with the – SET SW ON.
- C) When the vehicle speed reaches the speed slower than (The set vehicle speed minus 16 km/h).

## 10. Mode Change Between Constant Speed Control Mode and Vehicle-to-Vehicle Distance Control Mode

Operating the following procedures in order changes the control mode.

- A) Turn ON the ON-OFF SW (The control starts under the vehicle-to-vehicle distance control mode automatically.)
- B) Push forward the cruise control switch lever for some time (More than one second) without operating the ON-OFF SW.

# Dynamic Radar Cruise Control

## ○ : Parts Location

| Code |   | See Page | Code |   | See Page | Code |   | See Page |
|------|---|----------|------|---|----------|------|---|----------|
| A8   | A | 80       | E86  |   | 81       | K87  | E | 78, 86   |
| A9   |   | 80       | E89  |   | 81       | K93  |   | 86       |
| A10  | A | 80       | K2   | B | 74, 85   | K94  |   | 86       |
| A11  | B | 80       | K3   | C | 74, 85   | K95  |   | 86       |
| A13  | A | 80       | K4   | D | 74, 85   | K96  |   | 86       |
| A15  | C | 80       | K6   | F | 74, 85   | M4   |   | 88       |
| A16  |   | 80       | K8   | H | 74, 85   | M9   |   | 88       |
| A17  |   | 80       | K11  |   | 85       | O3   |   | 88       |
| A29  |   | 84       | K12  |   | 85       | O7   |   | 88       |
| A30  | A | 84       | K13  |   | 85       | Q13  |   | 89       |
| A32  | A | 84       | K16  |   | 85       | U25  |   | 90       |
| A33  | B | 84       | K19  |   | 85       | U28  |   | 90       |
| A34  |   | 84       | K20  |   | 85       | V3   | D | 87       |
| A37  |   | 84       | K22  |   | 85       | V18  |   | 91       |
| A50  |   | 80       | K31  |   | 85       | V24  |   | 91       |
| A53  | A | 80       | K35  |   | 85       | V26  | A | 91       |
| A54  | A | 80       | K42  |   | 86       | V27  | B | 91       |
| A63  |   | 84       | K44  |   | 86       | V37  |   | 91       |
| B8   |   | 82       | K45  |   | 86       | V39  |   | 91       |
| E9   |   | 81       | K52  |   | 86       | W4   |   | 92       |
| E10  | B | 81       | K66  |   | 86       | W6   | A | 92       |
| E27  |   | 81       | K68  | B | 86       | W8   | B | 92       |
| E39  |   | 81       | K73  |   | 86       | X1   |   | 92       |
| E77  |   | 81       | K83  | A | 78, 86   | X3   |   | 92       |
| E83  | B | 81       | K84  | B | 78, 86   |      |   |          |
| E84  | B | 81       | K85  | C | 78, 86   |      |   |          |

## ○ : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location)            |
|------|----------|------------------------------------------------|
| 1    | 24       | Engine Room R/B No.1 (Engine Compartment Left) |
| 3    | 42       | Engine Room R/B No.3 (Engine Compartment Left) |



: Junction Block and Wire Harness Connector

| Code | See Page | Junction Block and Wire Harness (Connector Location)                                       |
|------|----------|--------------------------------------------------------------------------------------------|
| 1E   | 27       | Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment left)                   |
| 1T   | 25       |                                                                                            |
| 1V   | 28       |                                                                                            |
| 1X   | 29       |                                                                                            |
| 4A   | 70       | Instrument Panel Wire and Center J/B RH (Right Side of the Instrument Panel Reinforcement) |
| 4C   |          |                                                                                            |
| 4D   |          |                                                                                            |
| 4E   |          |                                                                                            |
| 4F   |          |                                                                                            |
| 4G   |          |                                                                                            |
| 4H   |          |                                                                                            |
| 4I   |          |                                                                                            |
| 4J   |          |                                                                                            |
| 4K   |          |                                                                                            |
| 4L   |          |                                                                                            |
| 4M   |          |                                                                                            |
| 5A   | 66       | Instrument Panel Wire and Center J/B LH (Right Side of the Instrument Panel Reinforcement) |
| 5B   |          |                                                                                            |
| 5D   |          |                                                                                            |
| 5E   |          |                                                                                            |
| 5F   |          |                                                                                            |
| 5G   |          |                                                                                            |
| 5H   |          |                                                                                            |
| 5J   |          |                                                                                            |
| 5L   |          |                                                                                            |
| DA   | 55       | Instrument Panel Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| DD   |          |                                                                                            |
| DK   | 56       | Engine Room Main Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| DL   |          |                                                                                            |
| LA   | 62       | Floor No.2 Wire and Luggage Room J/B (Left Side of the Quarter Panel )                     |
| LC   | 63       |                                                                                            |
| LF   |          |                                                                                            |
| LG   | 62       | Luggage Room Wire and Luggage Room J/B (Left Side of the Quarter Panel )                   |
| PA   | 49       | Instrument Panel Wire and Cowl Side J/B LH (Lower Finish Panel)                            |
| PD   |          |                                                                                            |
| PJ   | 50       | Floor No.2 Wire and Cowl Side J/B LH (Lower Finish Panel)                                  |
| PK   | 50       | Engine Room Main Wire and Cowl Side J/B LH (Lower Finish Panel)                            |
| PL   |          |                                                                                            |

# Dynamic Radar Cruise Control



: Connector Joining Wire Harness and Wire Harness

| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location)                            |
|------|----------|---------------------------------------------------------------------------------------|
| AE1  | 96       | Engine Room Main Wire and Engine Wire (Inside of the ECU Box)                         |
| AV3  | 97       | Engine Room Main Wire and Floor No.2 Wire (Cowl Side Panel LH)                        |
| BA2  | 96       | Engine Room No.2 Wire and Engine Room Main Wire (Inside of the Engine Room R/B No.2 ) |
| KA2  | 97       | Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)                     |
| KA3  | 97       | Instrument Panel Wire and Engine Room Main Wire (Right Kick Panel)                    |
| KU2  | 97       | Instrument Panel Wire and Floor No.1 Wire (Right Kick Panel)                          |
| KV1  | 97       | Instrument Panel Wire and Floor No.2 Wire (Left Kick Panel)                           |
| KW1  | 97       | Instrument Panel Wire and Roof Wire (Left Side of the Instrument Panel)               |
| KW2  |          |                                                                                       |
| MQ2  | 98       | Front Door LH Wire and Front Door LH No.2 Wire (Front Door Inner Panel LH)            |
| MU2  | 97       | Front Door RH Wire and Floor No.1 Wire (Right Kick Panel)                             |
| MV2  | 97       | Front Door LH Wire and Floor No.2 Wire (Left Kick Panel)                              |
| OU1  | 98       | Rear Door No.1 Wire and Floor No.1 Wire (Right Center Pillar)                         |
| OV1  | 98       | Rear Door No.2 Wire and Floor No.2 Wire (Left Center Pillar)                          |
| UV1  | 98       | Floor No.1 Wire and Floor No.2 Wire (Center of the Rear Floor Partition Panel)        |

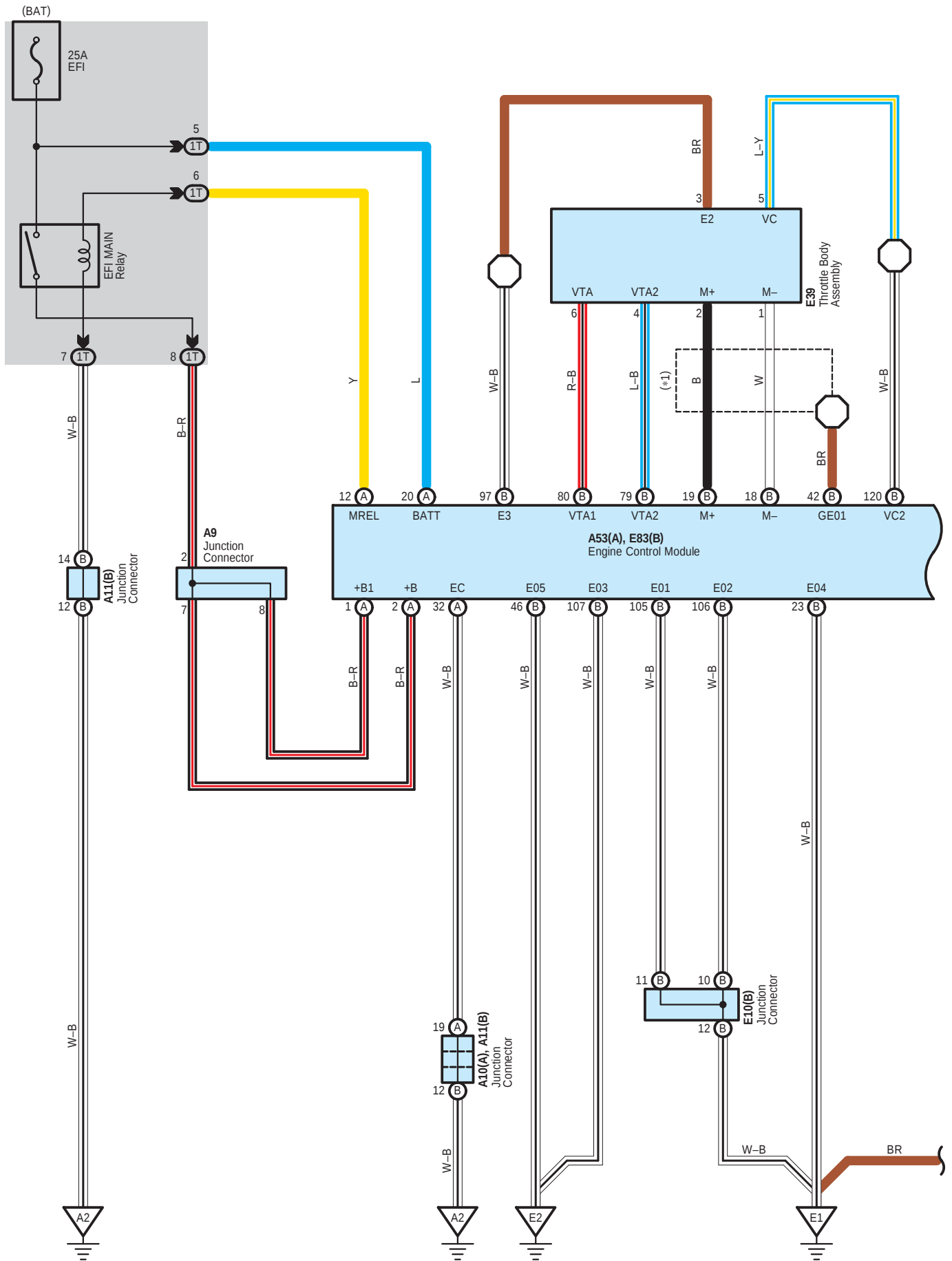


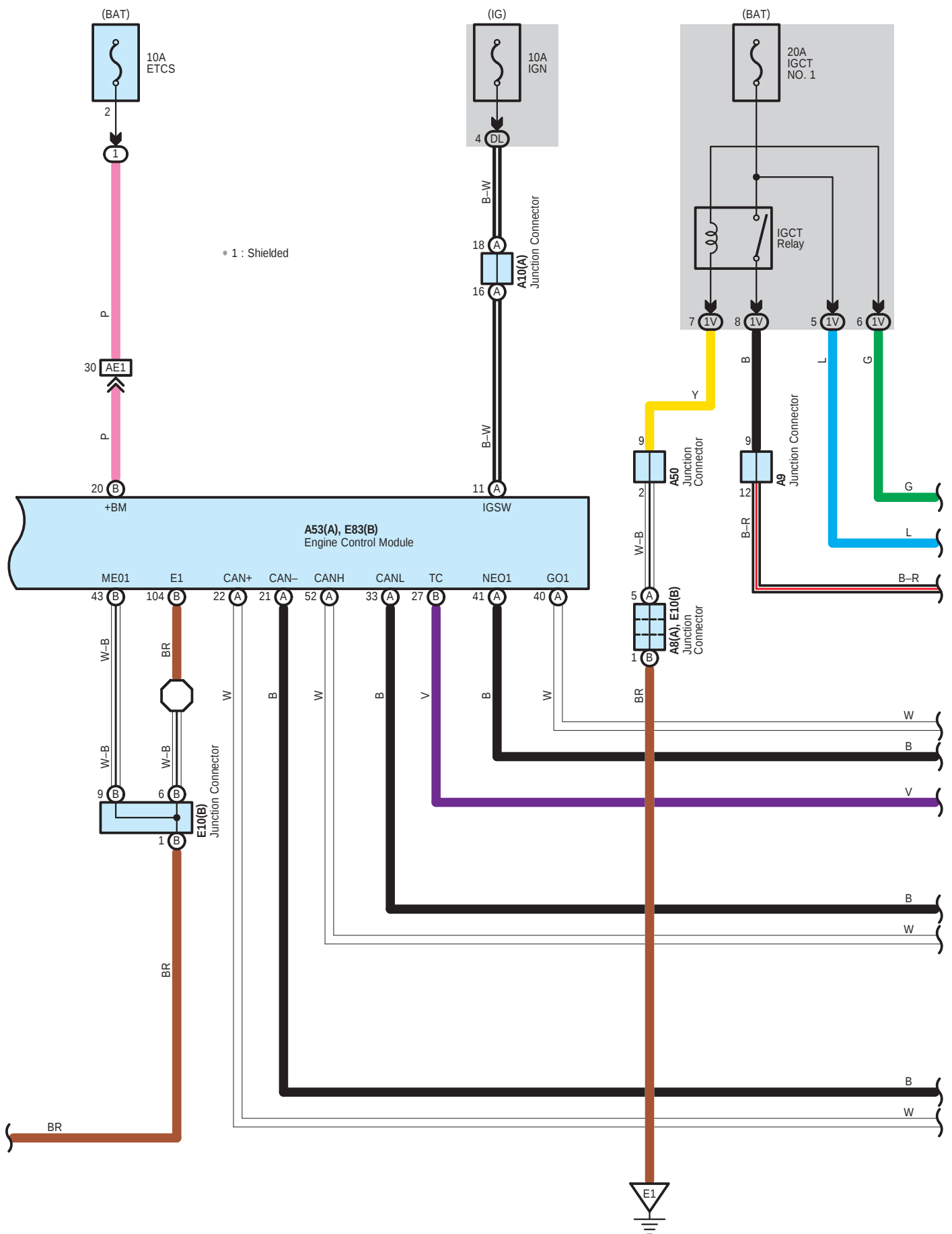
: Ground Points

| Code | See Page | Ground Points Location                       |
|------|----------|----------------------------------------------|
| A1   | 96       | Left Side of the Dash Panel                  |
| A2   | 96       | Front Left Fender Apron                      |
| E1   | 96       | Rear Side of the Left Cylinder Head          |
| E2   | 96       | Rear Side of the Right Cylinder Head         |
| K1   | 97       | Left Kick Panel                              |
| K2   | 97       | Left Side of the Shift Lever                 |
| K4   | 97       | Right Kick Panel                             |
| U2   | 98       | Right Side of the Rear Floor Partition Panel |
| V2   | 98       | Roof Side Inner Panel LH                     |

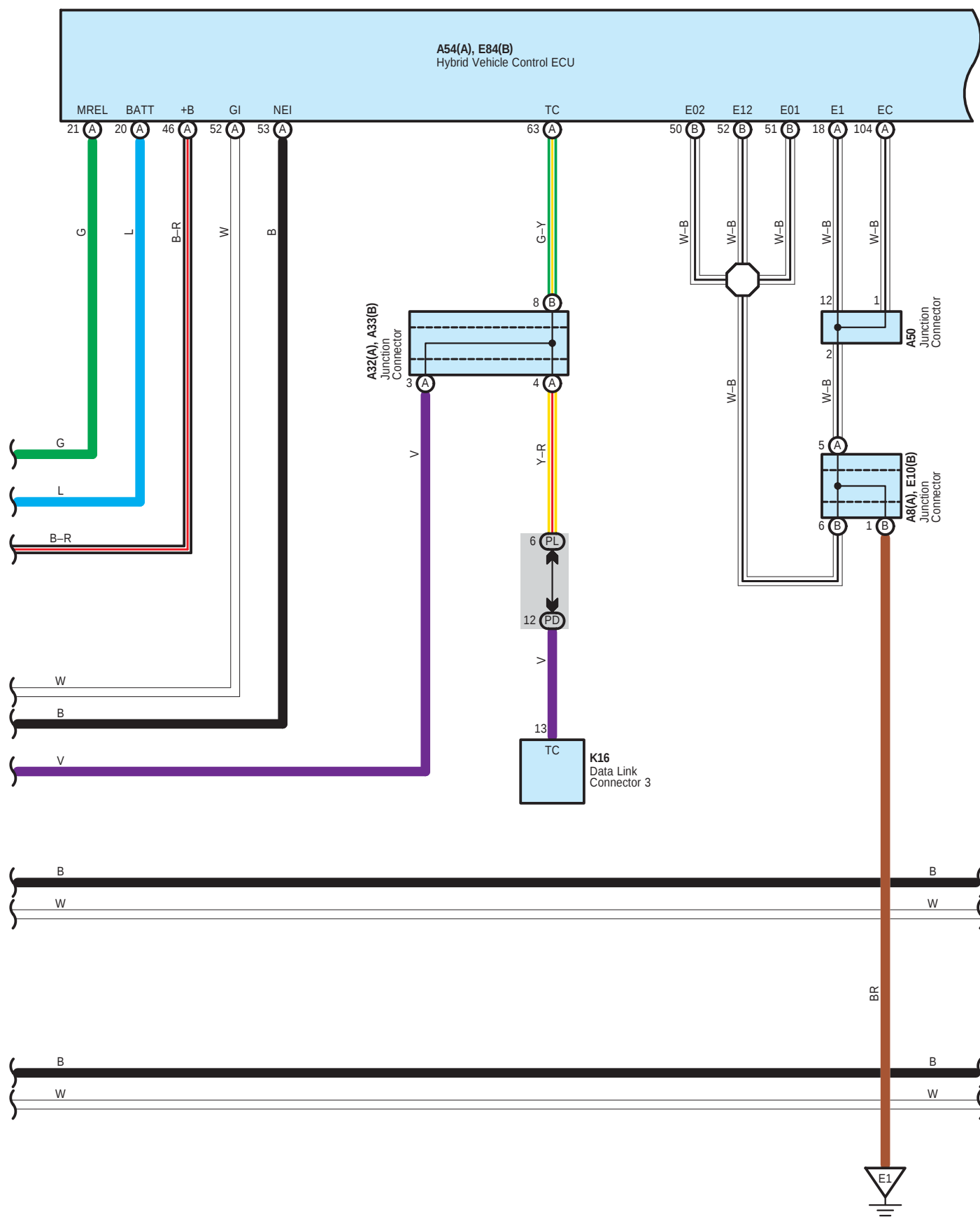


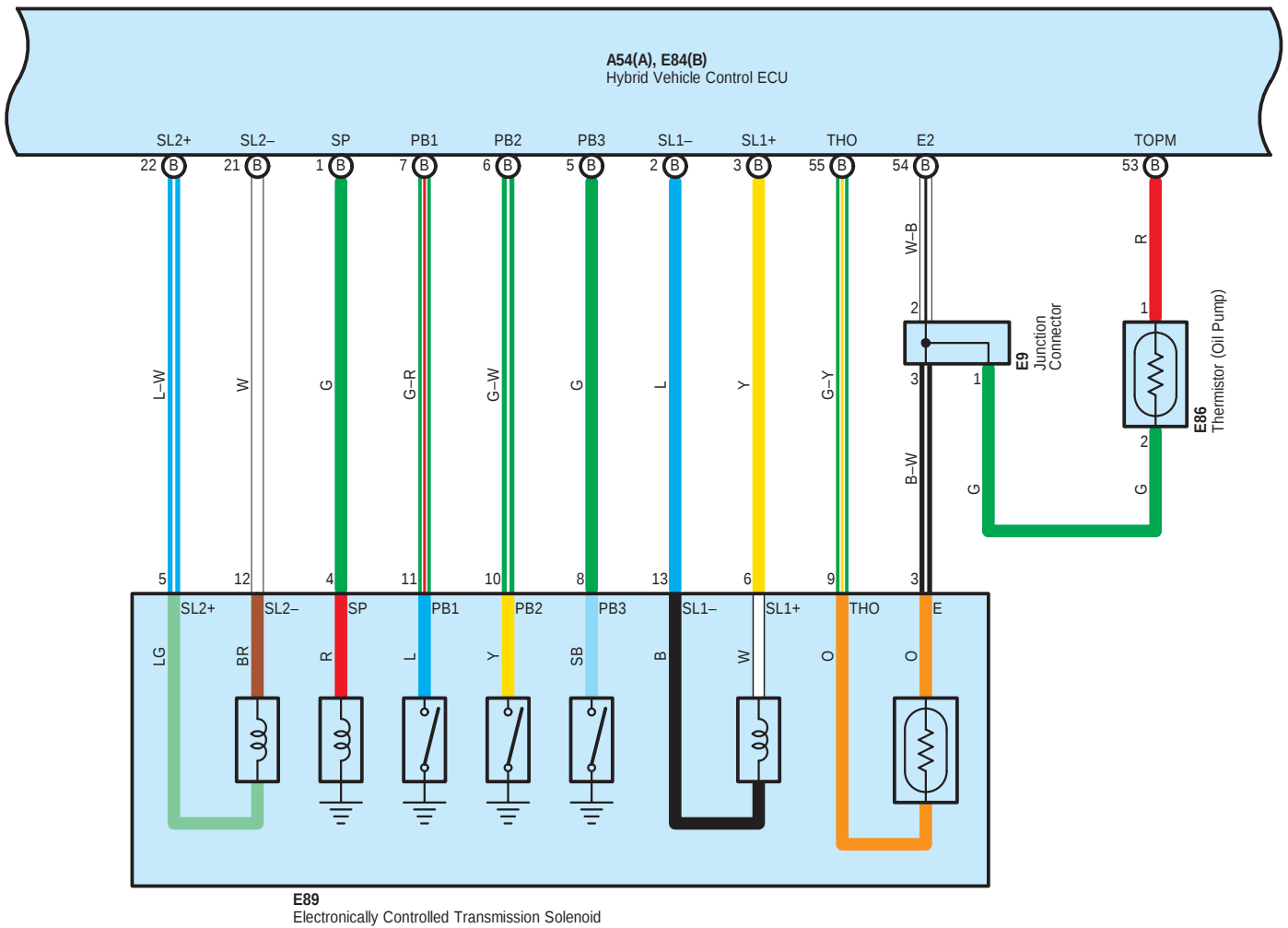
# Cruise Control



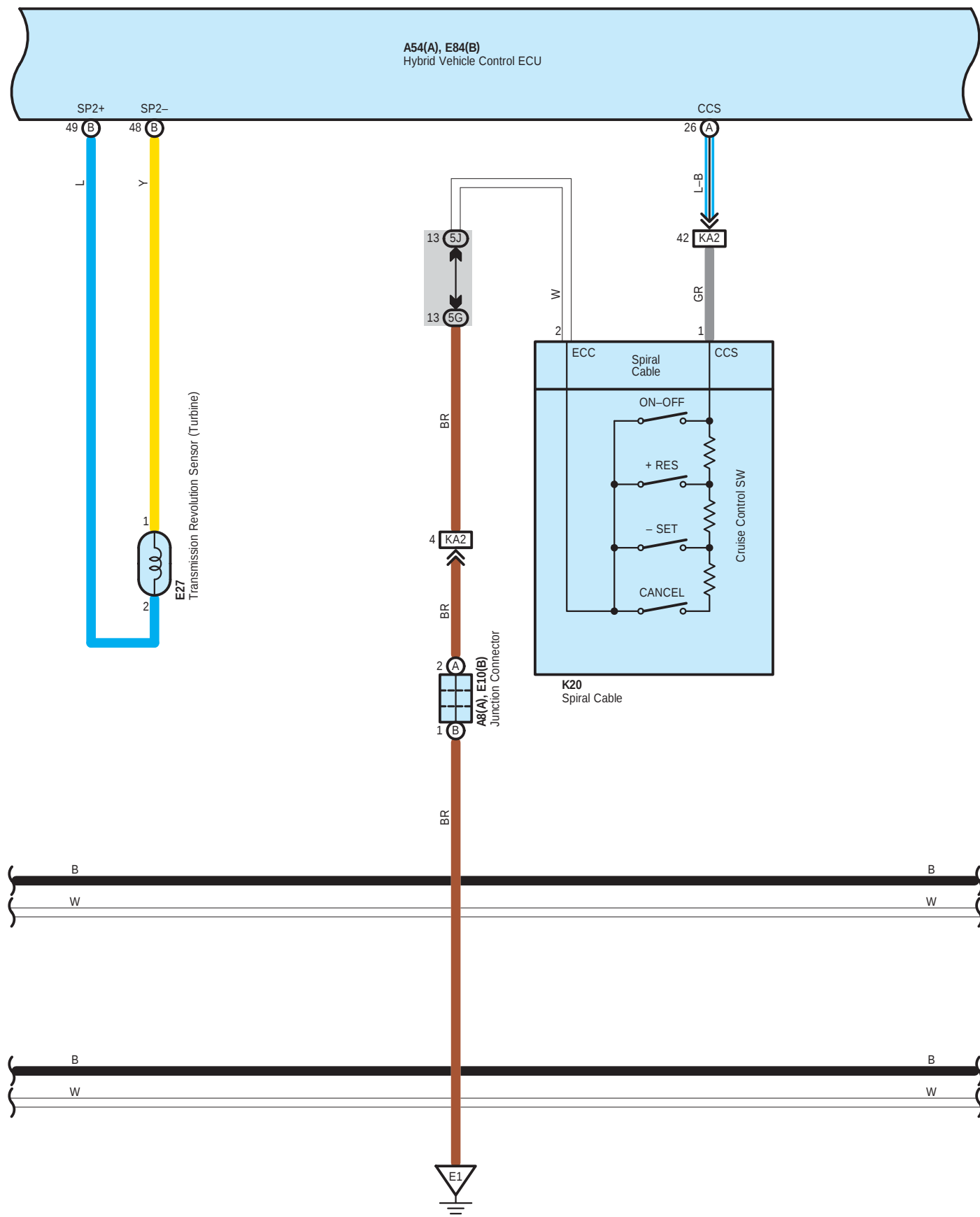


# Cruise Control

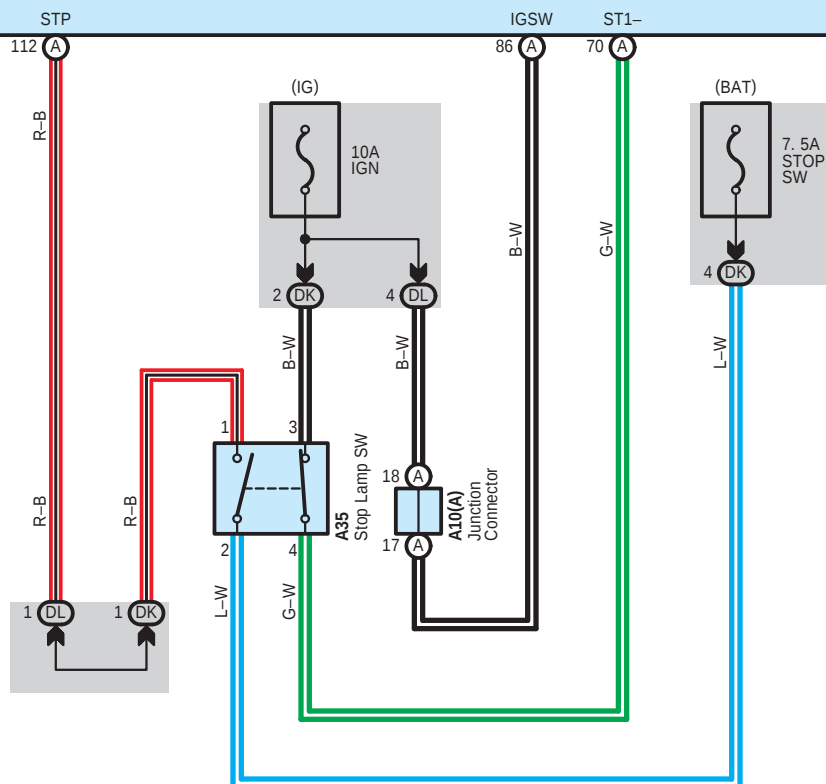




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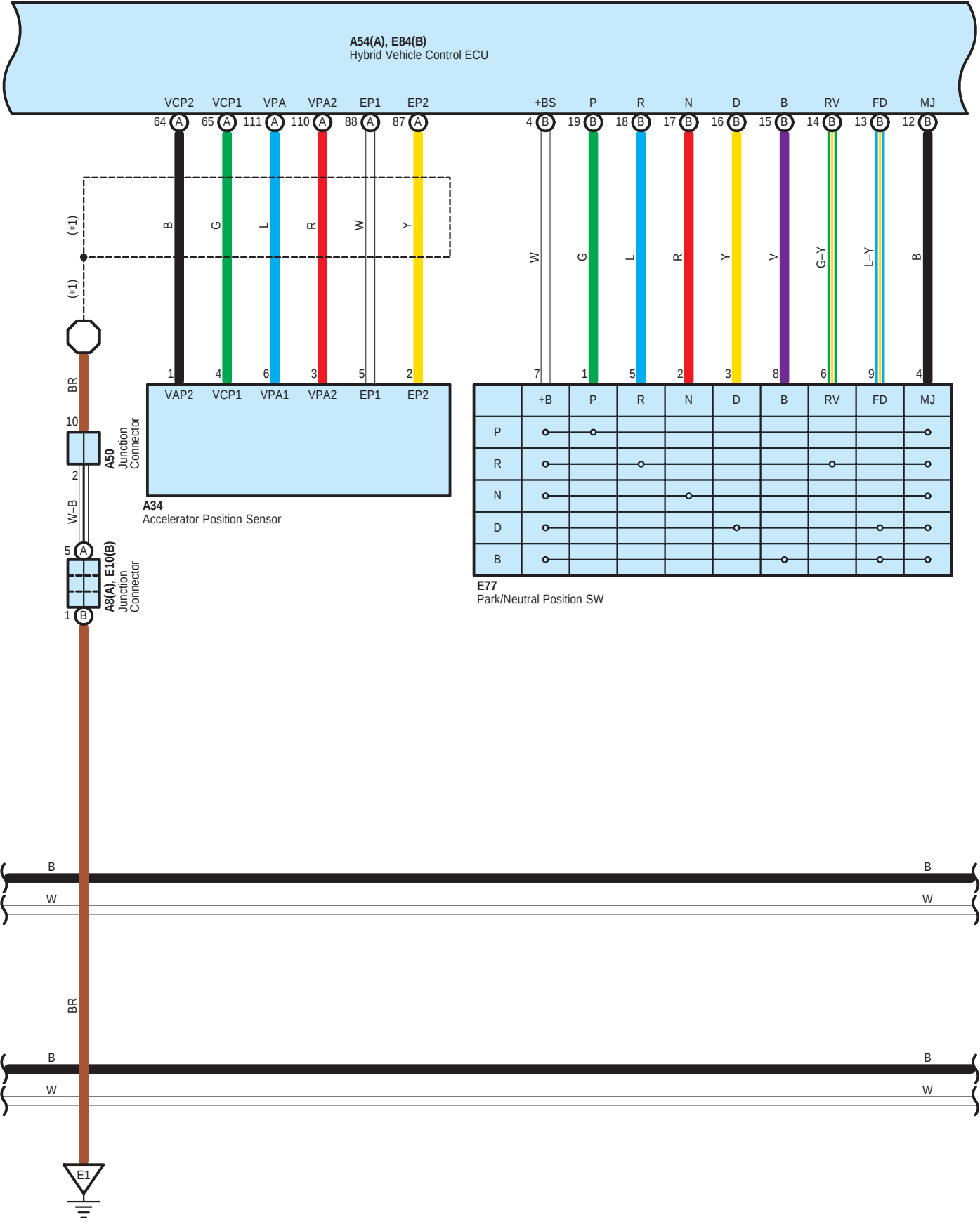


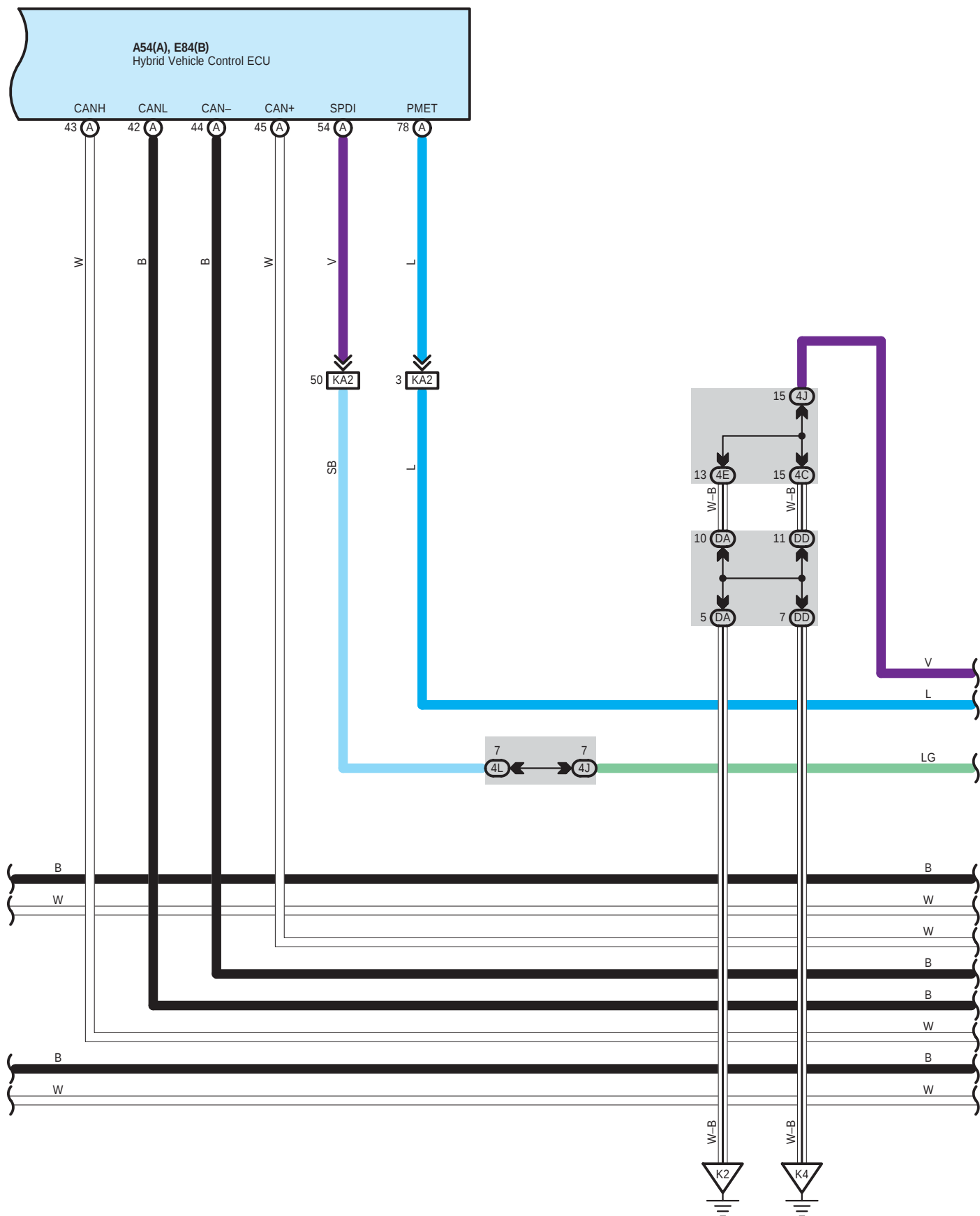
A54(A), E84(B)  
Hybrid Vehicle Control ECU



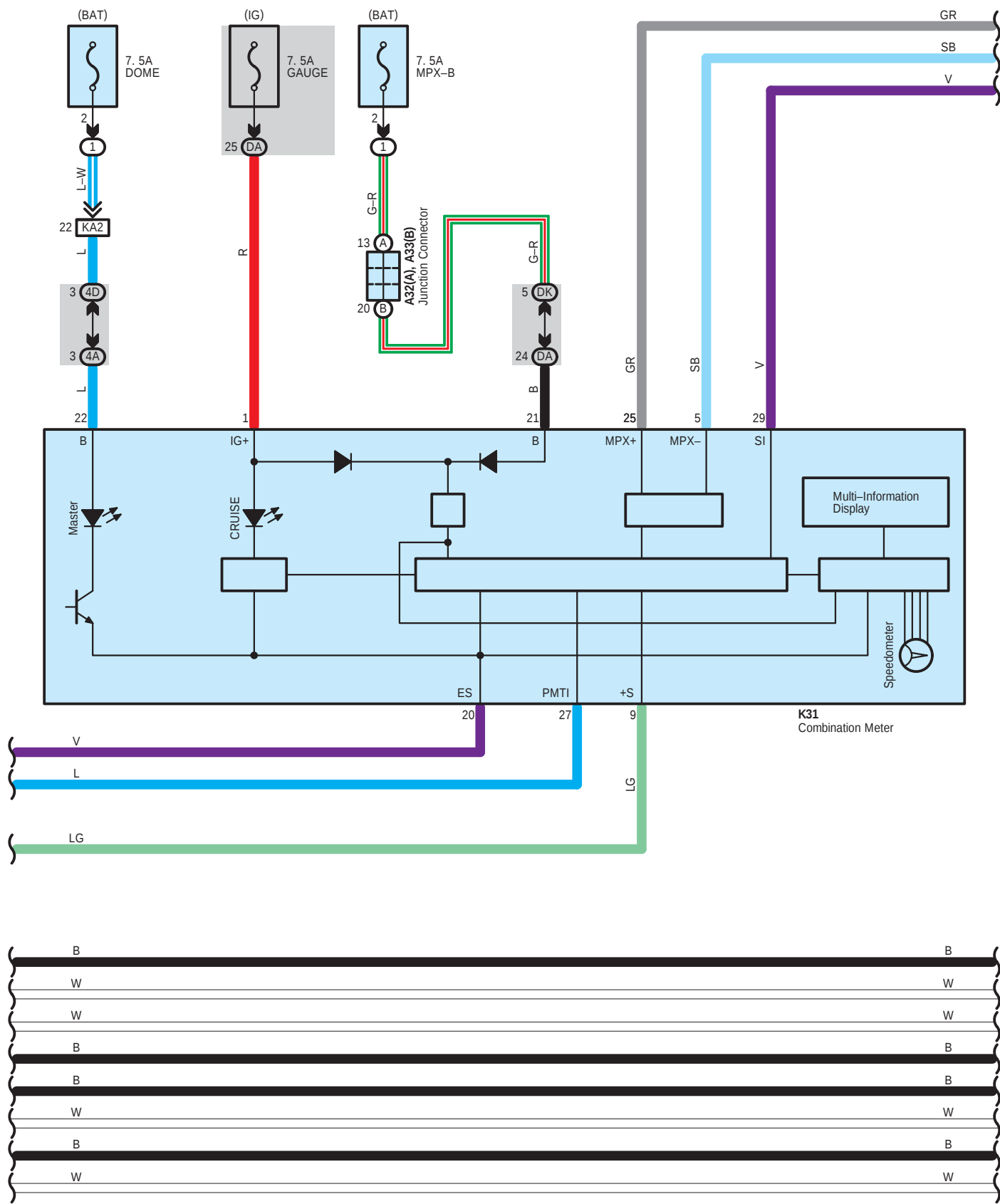
Cruise Control

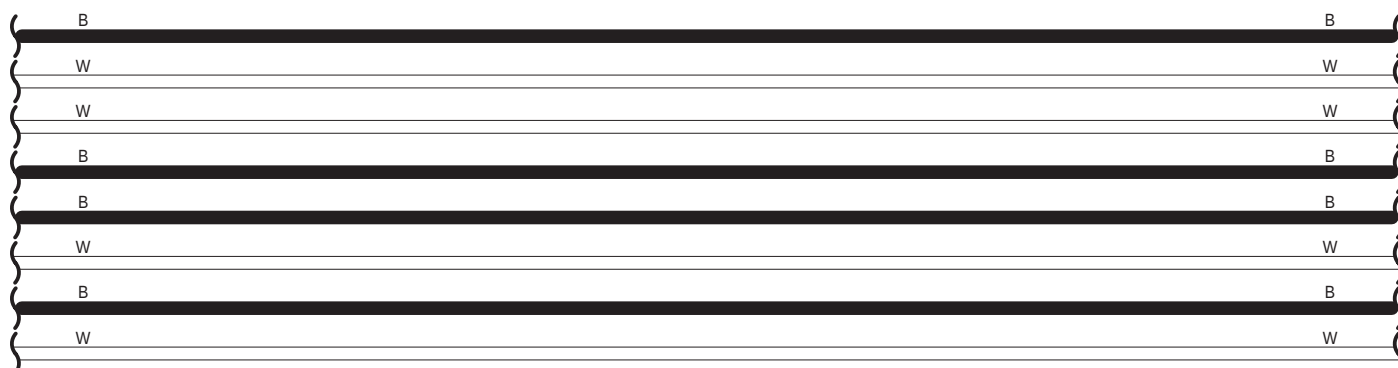
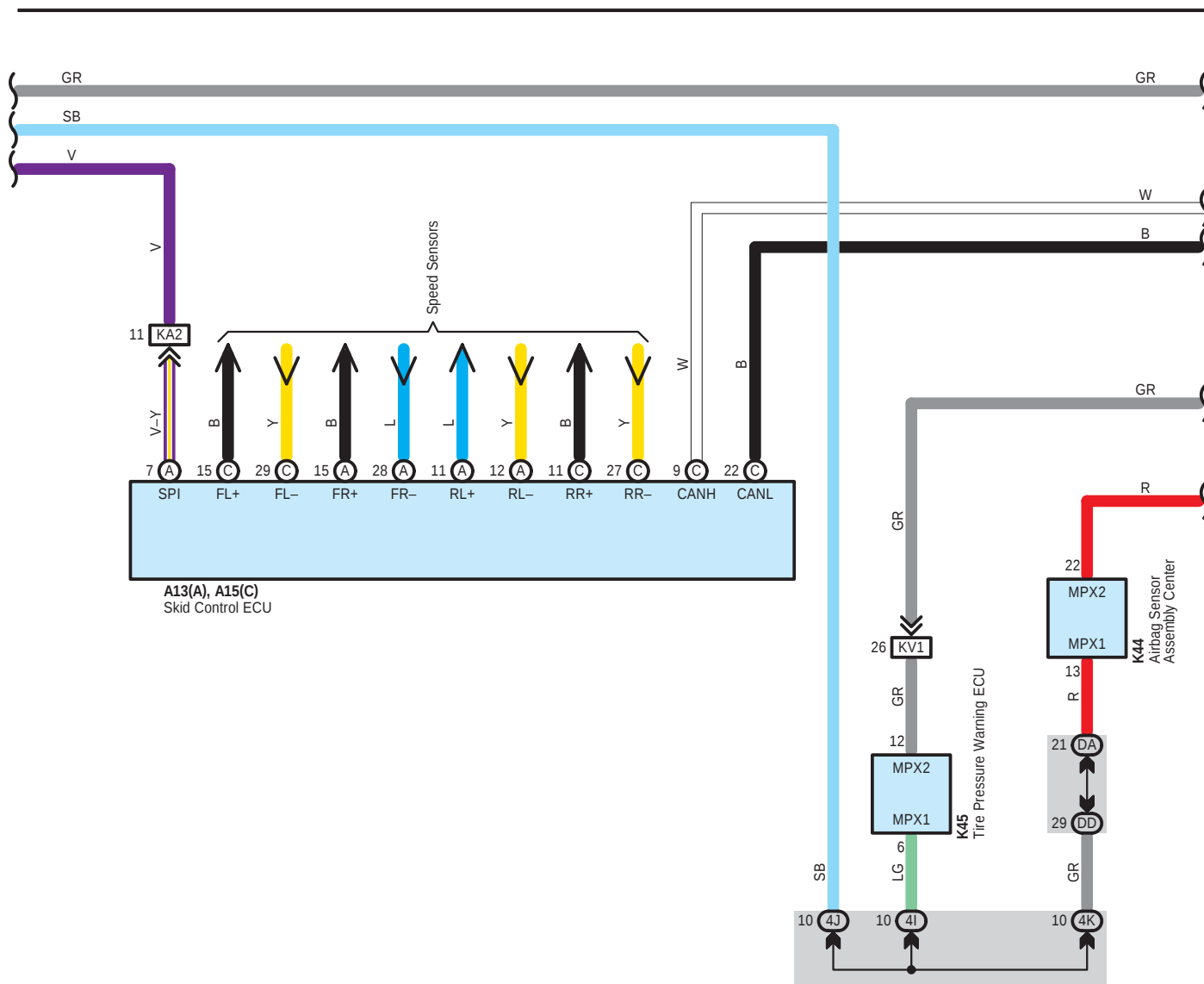
\* 1 : Shielded



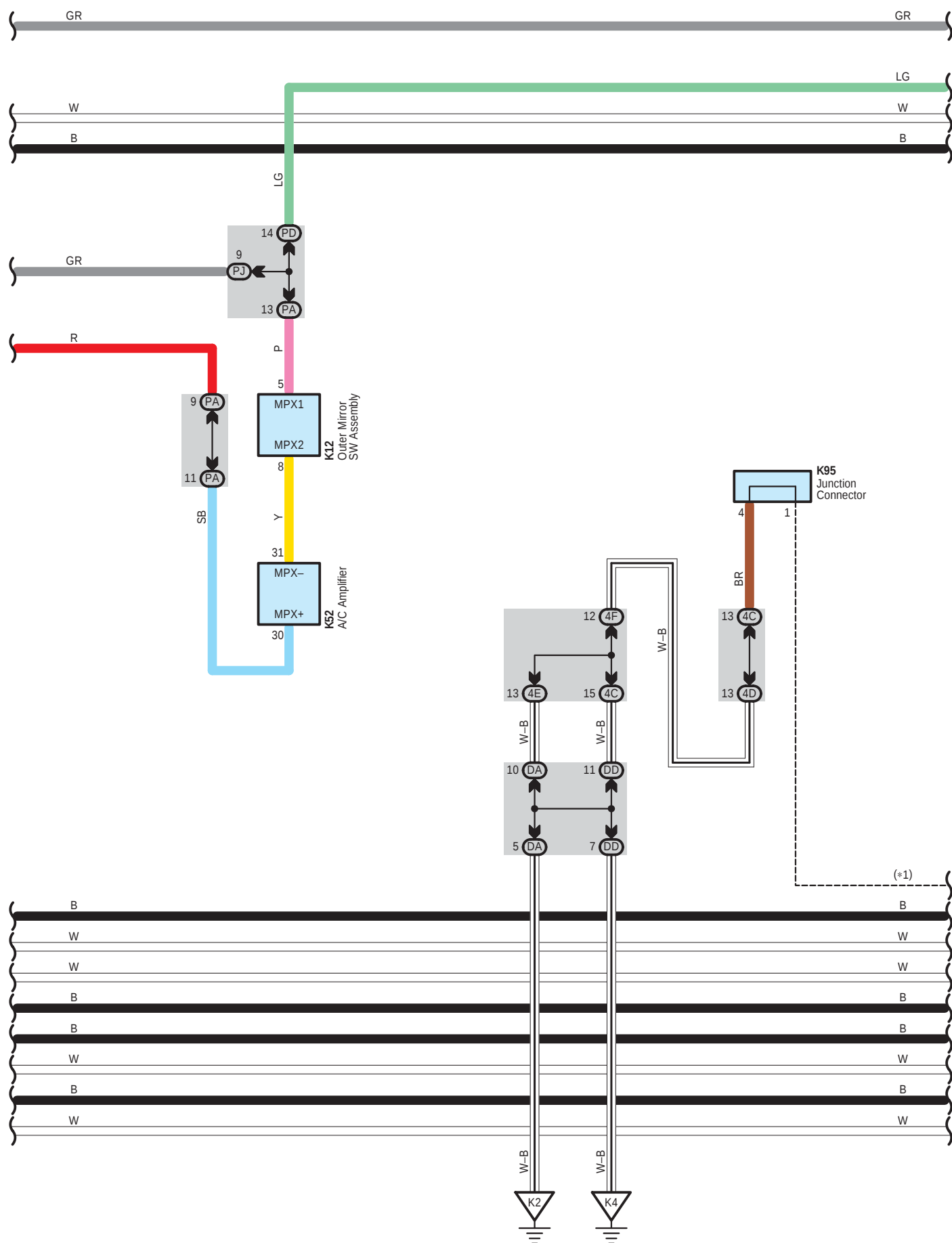


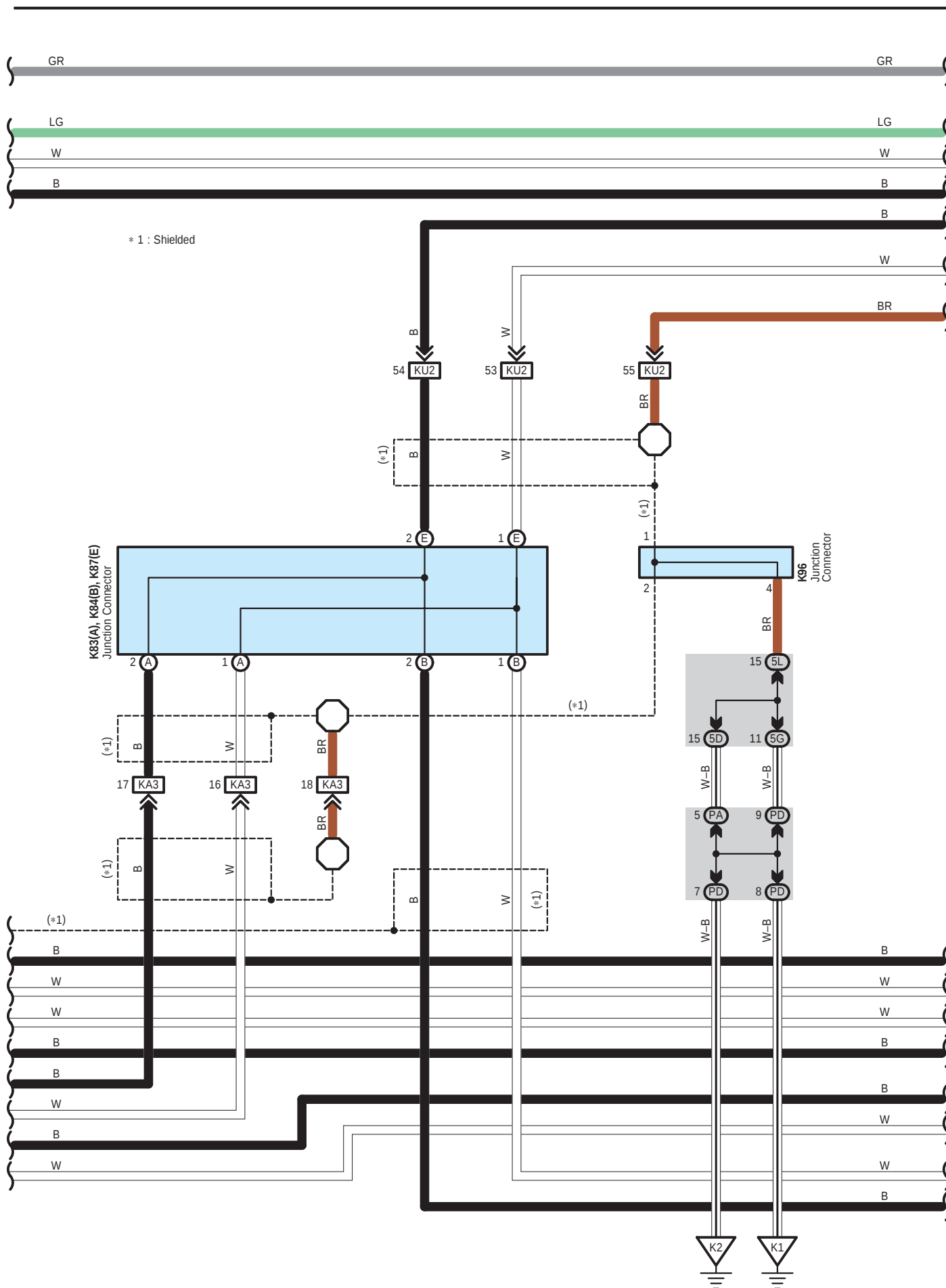
Cruise Control



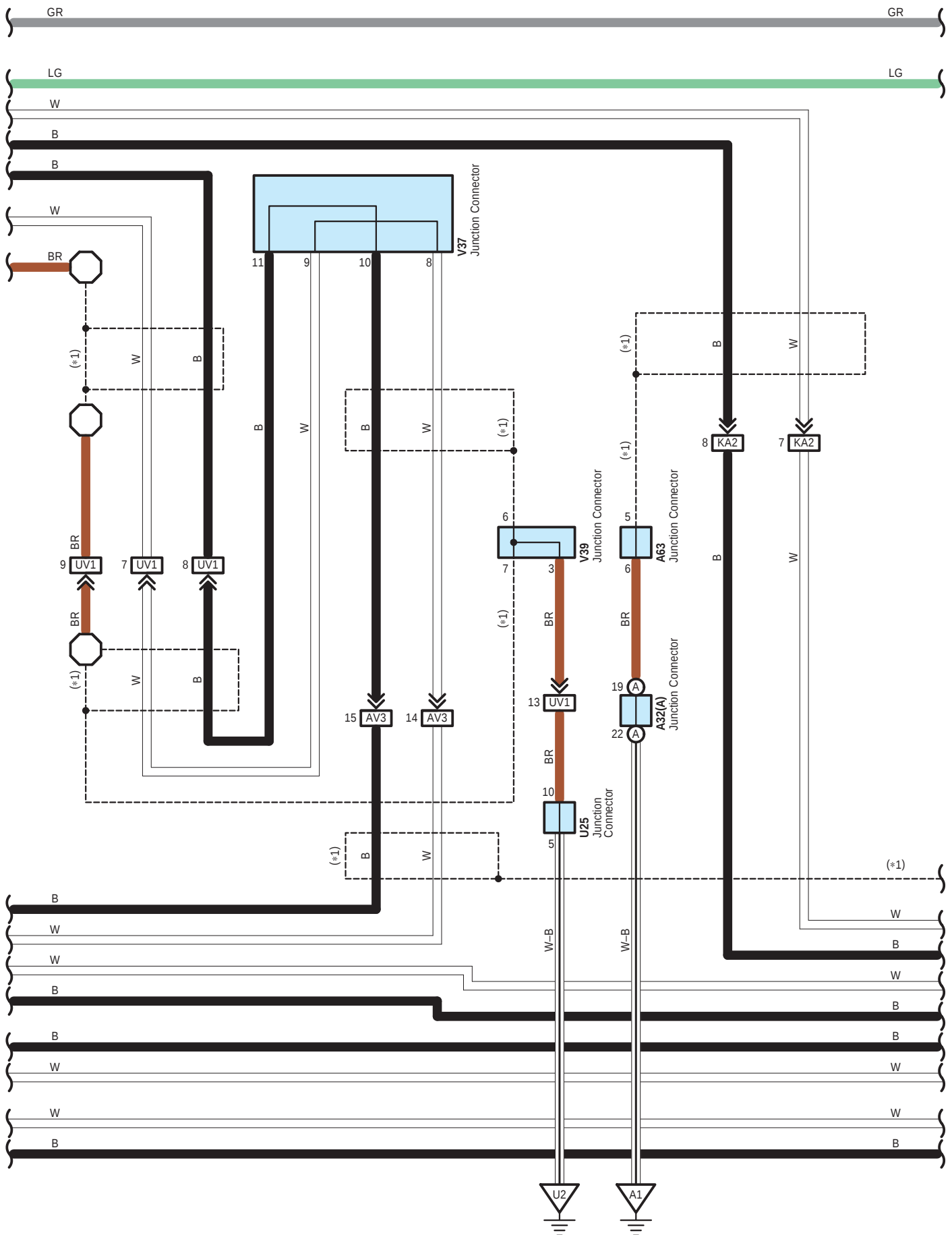


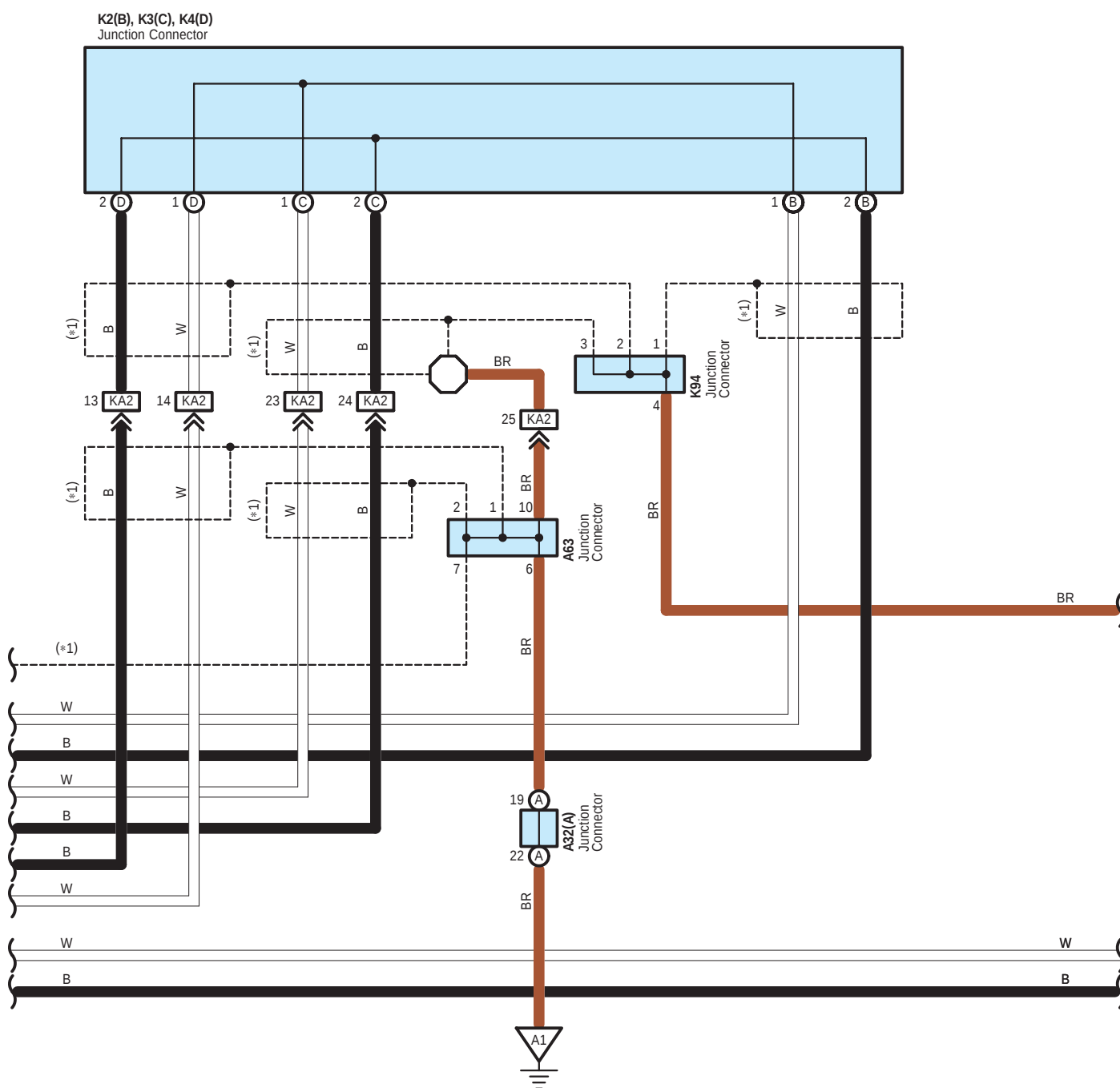
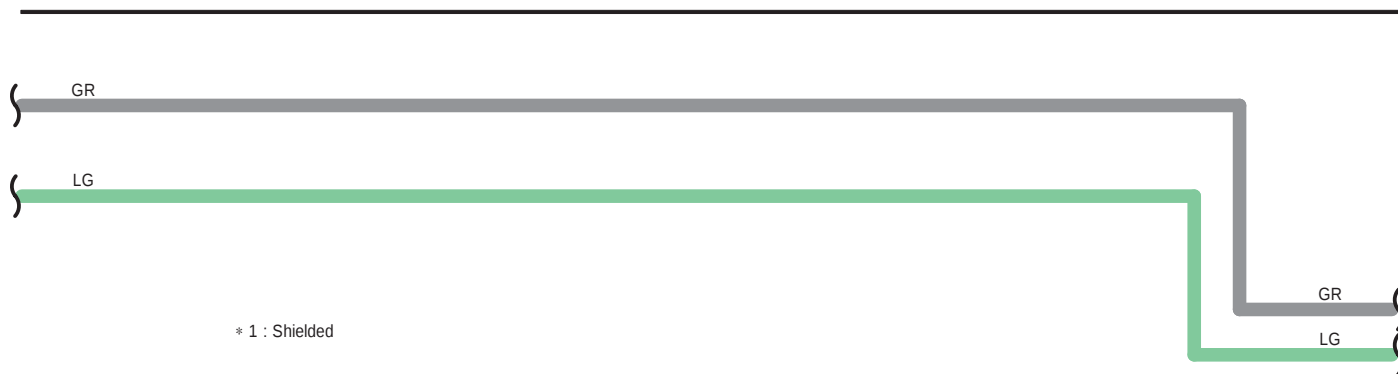
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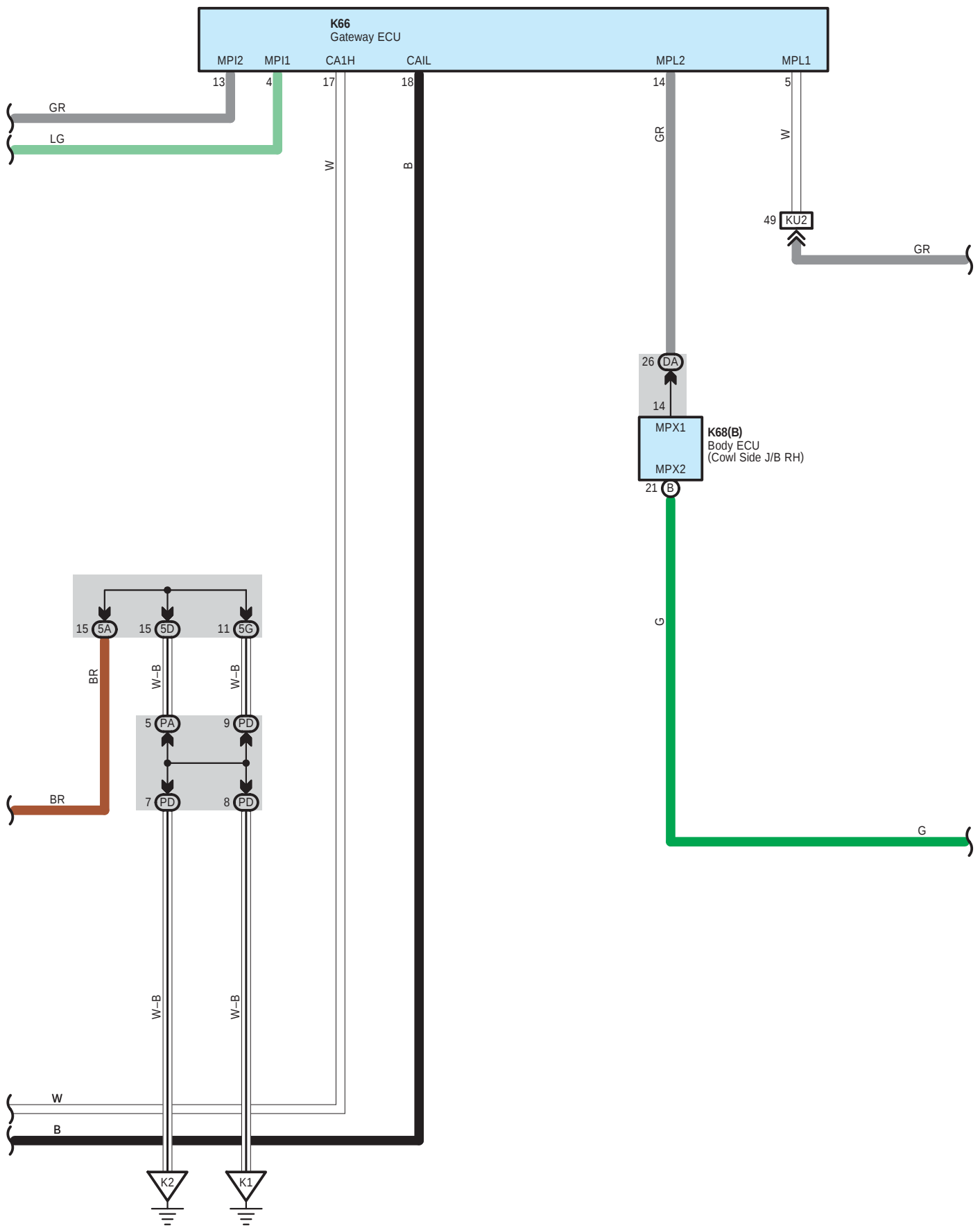


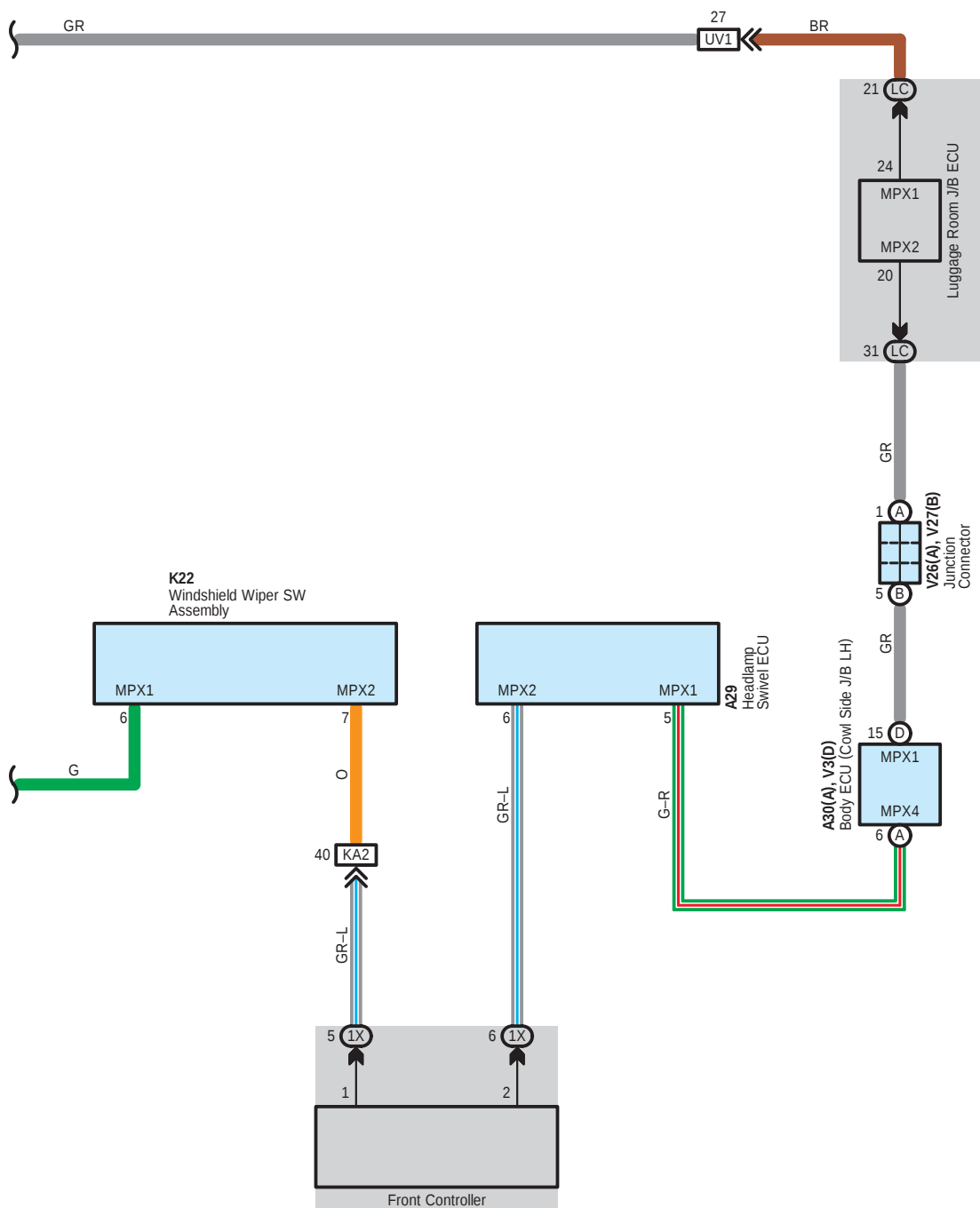
# Cruise Control





# Cruise Control





## System Outline

The cruise control system is a constant vehicle speed controller in which the engine output and motor drive torque are controlled automatically with control of the switch at hand without depressing the accelerator pedal when a driver wishes to drive at a constant speed on a highway.

### 1. Constant Speed Control

When actual vehicle speed is faster than the set vehicle speed, a signal is sent to the HV control motor to rotate in order to decrease the driving force. On the contrary, when the vehicle speed is slower than the set vehicle speed, a signal is sent to the HV control motor to rotate in order to increase the driving force.

### 2. Setting

When operating the – SET SW with the ON–OFF SW ON (Within the settable range of the vehicle speed: Above the low speed limit and below the high speed limit), the vehicle speed at which the switch is turned OFF is stored in the memory and the vehicle is controlled to drive constantly at that speed.

### 3. Coast, Tap Down

<Coast>

When the – SET SW is kept ON during driving under the cruise control, the coast control makes the cruise control request controlling 'Zero' to decelerate and stores the vehicle speed in the memory at which the switch is turned OFF and controls the vehicle to drive constantly at that speed.

<Tap down>

When the – SET SW is turned ON momentarily (Approx. 0.5 sec.), the set vehicle speed decelerates in approximately 1.6 km/h steps by each switch operation. In the tap down operation with more than 5 km/h difference between the set vehicle speed and actual vehicle speed, the vehicle speed at which the switch is turned OFF is stored in the memory and the vehicle is controlled to drive constantly at that speed.

### 4. Acceleration, Tap Up

<Acceleration>

When the + RES SW is kept ON during driving under the cruise control, the acceleration control rotates the HV control motor to increase the driving force to control the vehicle to accelerate with constant acceleration. The vehicle speed at which the switch is turned OFF is stored in the memory and the vehicle is controlled to drive constantly at that speed.

<Tap up>

When the – SET SW is turned ON momentarily (Approx. 0.5 sec.), the set vehicle speed accelerates in approximately 1.6 km/h steps by each switch operation. When difference between the set vehicle speed and actual vehicle speed is more than 5 km/h, the tap up operation does not change the set vehicle speed.

### 5. Low Speed Limit

It means the lower limit speed in the settable speed range and is set to be approximately 40 km/h. The cruise control cannot be set if the vehicle speed is slower than the low speed limit. When the vehicle speed drops below the low speed limit during driving under the cruise control, the cruise control is automatically cancelled.

### 6. High Speed Limit

It means the higher limit speed in the settable speed range and is set to be approximately 100 km/h for the domestic and 200 km/h for the other destinations. The cruise control cannot be set if the vehicle speed is faster than the high speed limit. The vehicle cannot be accelerated above the high speed limit with the + RES SW operation.

### 7. Cancel

When the following signals are input during driving under the cruise control, the cruise control is cancelled.

- (1) Stop lamp switch ON
- (2) D position circuit ON to OFF in the park/neutral position switch
- (3) When selecting other gear positions than D or 3 range in the shift lever in M position
- (4) CANCEL SW ON in the control switch
- (5) ON–OFF SW OFF

### 8. Resume

When the vehicle speed stays above the low speed limit after the cruise control is canceled with above signals, the cruise control resumes operation to reach the vehicle speed that was set at the time the driver canceled the cruise control with constant acceleration by operating the + RES SW from OFF to ON.

## 9. Over Drive Control

Over-drive may be cut in climbing a hill during cruise control traveling. When climbing a hill is judged to finish from the throttle opening information under the over-drive ineffective condition, the over-drive function resumes automatically after the set time for over-drive resuming. However, when the vehicle speed drops below the over-drive resuming vehicle speed before the set time for over-drive resuming, the set time is reset and will work again from when the vehicle speed reaches the over-drive resuming vehicle speed.

## 10. Auto Cancel

(1) The set vehicle speed is erased in the memory and the cruise control is cancelled in the following conditions. Until the ON-OFF SW is turned ON again, the cruise operation indicator blinks and the control will not be effective.

- A) When the stop lamp switch is disconnected and short-circuit.
- B) When the vehicle speed signal is abnormal
- C) When the electronic throttle parts are abnormal

(2) The set vehicle speed is erased in the memory and the cruise control is cancelled in the following conditions. Until the ON-OFF SW is turned ON again, the cruise operation indicator blinks and the control will not be effective unless the power switch is turned OFF.

- A) When the stop lamp switch input circuit is abnormal
- B) When the cancel circuit is abnormal

(3) The set vehicle speed is erased in the memory and the cruise control is cancelled in the following conditions.

- A) When the vehicle speed reaches below the low speed limit (Approx. 40 km/h).
- B) When the vehicle speed reaches the speed slower than (The set vehicle speed minus 16 km/h).

○ : Parts Location

| Code |   | See Page | Code |   | See Page | Code |   | See Page |
|------|---|----------|------|---|----------|------|---|----------|
| A8   | A | 80       | E10  | B | 81       | K45  |   | 86       |
| A9   |   | 80       | E27  |   | 81       | K52  |   | 86       |
| A10  | A | 80       | E39  |   | 81       | K66  |   | 86       |
| A11  | B | 80       | E77  |   | 81       | K68  | B | 86       |
| A13  | A | 80       | E83  | B | 81       | K83  | A | 78, 86   |
| A15  | C | 80       | E84  | B | 81       | K84  | B | 78, 86   |
| A29  |   | 84       | E86  |   | 81       | K87  | E | 78, 86   |
| A30  | A | 84       | E89  |   | 81       | K94  |   | 86       |
| A32  | A | 84       | K2   | B | 74, 85   | K95  |   | 86       |
| A33  | B | 84       | K3   | C | 74, 85   | K96  |   | 86       |
| A34  |   | 84       | K4   | D | 74, 85   | U25  |   | 90       |
| A37  |   | 84       | K12  |   | 85       | V3   | D | 87       |
| A50  |   | 80       | K16  |   | 85       | V26  | A | 91       |
| A53  | A | 80       | K20  |   | 85       | V27  | B | 91       |
| A54  | A | 80       | K22  |   | 85       | V37  |   | 91       |
| A63  |   | 84       | K31  |   | 85       | V39  |   | 91       |
| E9   |   | 81       | K44  |   | 86       |      |   |          |

 : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location)            |
|------|----------|------------------------------------------------|
| 1    | 24       | Engine Room R/B No.1 (Engine Compartment Left) |

# Cruise Control



## : Junction Block and Wire Harness Connector

| Code | See Page | Junction Block and Wire Harness (Connector Location)                                       |
|------|----------|--------------------------------------------------------------------------------------------|
| 1T   | 25       | Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment left)                   |
| 1V   | 28       |                                                                                            |
| 1X   | 29       |                                                                                            |
| 4A   | 70       | Instrument Panel Wire and Center J/B RH (Right Side of the Instrument Panel Reinforcement) |
| 4C   |          |                                                                                            |
| 4D   |          |                                                                                            |
| 4E   |          |                                                                                            |
| 4F   |          |                                                                                            |
| 4I   |          |                                                                                            |
| 4J   |          |                                                                                            |
| 4K   |          |                                                                                            |
| 4L   |          |                                                                                            |
| 5A   | 66       | Instrument Panel Wire and Center J/B LH (Right Side of the Instrument Panel Reinforcement) |
| 5D   |          |                                                                                            |
| 5G   |          |                                                                                            |
| 5J   |          |                                                                                            |
| 5L   |          |                                                                                            |
| DA   | 55       | Instrument Panel Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| DD   |          |                                                                                            |
| DK   | 56       | Engine Room Main Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| DL   |          |                                                                                            |
| LC   | 63       | Floor No.2 Wire and Luggage Room J/B (Left Side of the Quarter Panel )                     |
| PA   | 49       | Instrument Panel Wire and Cowl Side J/B LH (Lower Finish Panel)                            |
| PD   |          |                                                                                            |
| PJ   | 50       | Floor No.2 Wire and Cowl Side J/B LH (Lower Finish Panel)                                  |
| PL   | 50       | Engine Room Main Wire and Cowl Side J/B LH (Lower Finish Panel)                            |



## : Connector Joining Wire Harness and Wire Harness

| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location)                     |
|------|----------|--------------------------------------------------------------------------------|
| AE1  | 96       | Engine Room Main Wire and Engine Wire (Inside of the ECU Box)                  |
| AV3  | 97       | Engine Room Main Wire and Floor No.2 Wire (Cowl Side Panel LH)                 |
| KA2  | 97       | Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)              |
| KA3  | 97       | Instrument Panel Wire and Engine Room Main Wire (Right Kick Panel)             |
| KU2  | 97       | Instrument Panel Wire and Floor No.1 Wire (Right Kick Panel)                   |
| KV1  | 97       | Instrument Panel Wire and Floor No.2 Wire (Left Kick Panel)                    |
| UV1  | 98       | Floor No.1 Wire and Floor No.2 Wire (Center of the Rear Floor Partition Panel) |

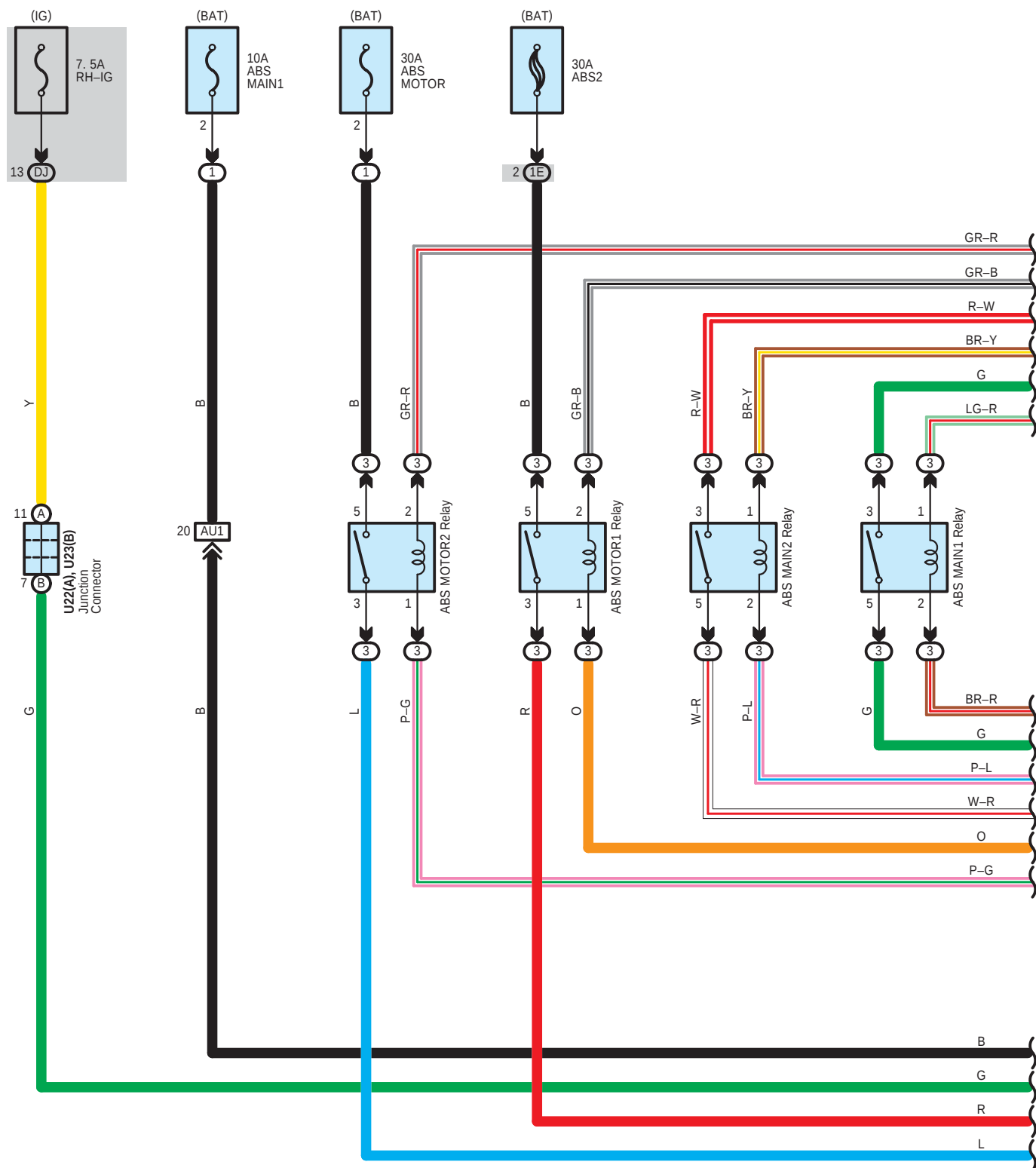


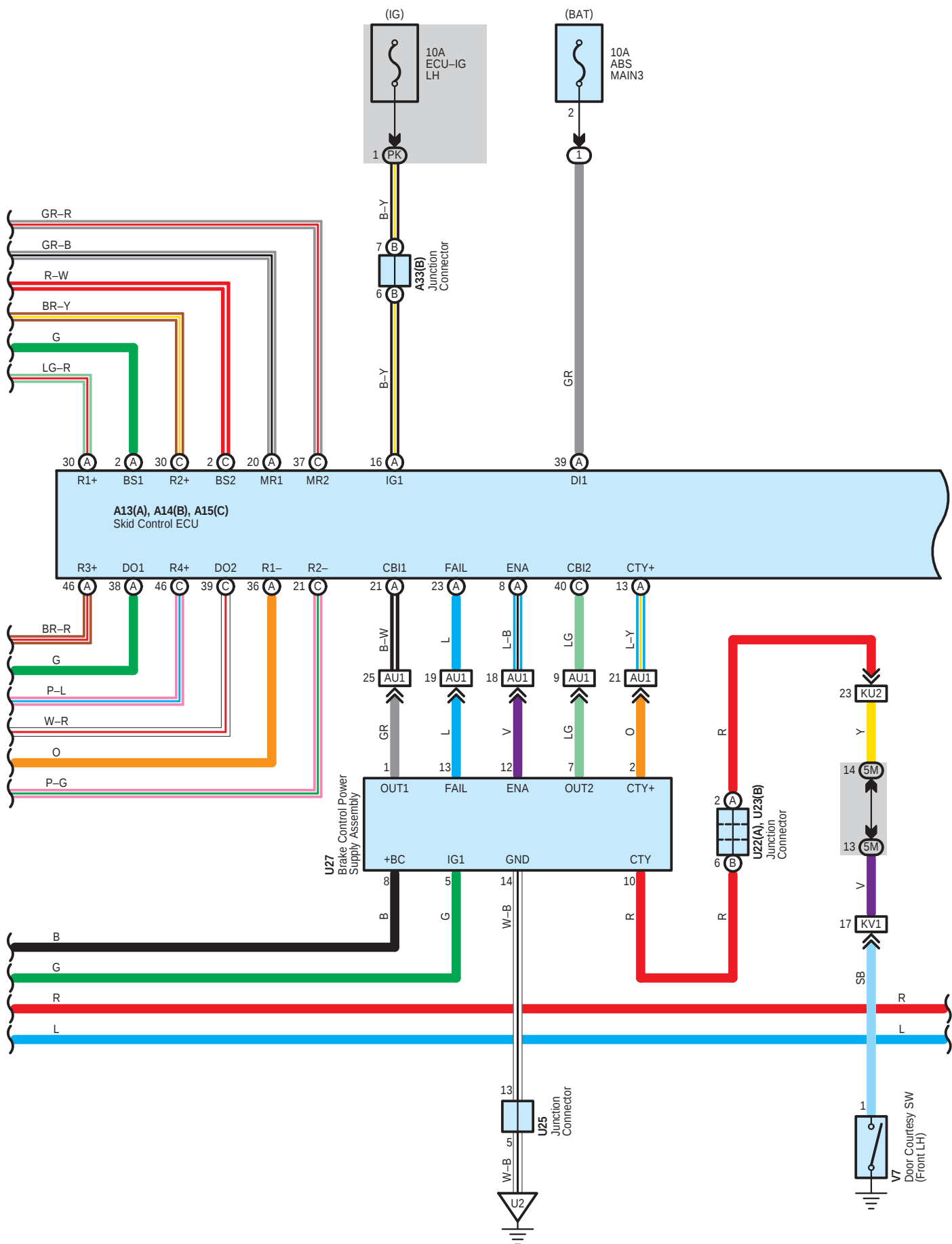
## : Ground Points

| Code | See Page | Ground Points Location                       |
|------|----------|----------------------------------------------|
| A1   | 96       | Left Side of the Dash Panel                  |
| A2   | 96       | Front Left Fender Apron                      |
| E1   | 96       | Rear Side of the Left Cylinder Head          |
| E2   | 96       | Rear Side of the Right Cylinder Head         |
| K1   | 97       | Left Kick Panel                              |
| K2   | 97       | Left Side of the Shift Lever                 |
| K4   | 97       | Right Kick Panel                             |
| U2   | 98       | Right Side of the Rear Floor Partition Panel |

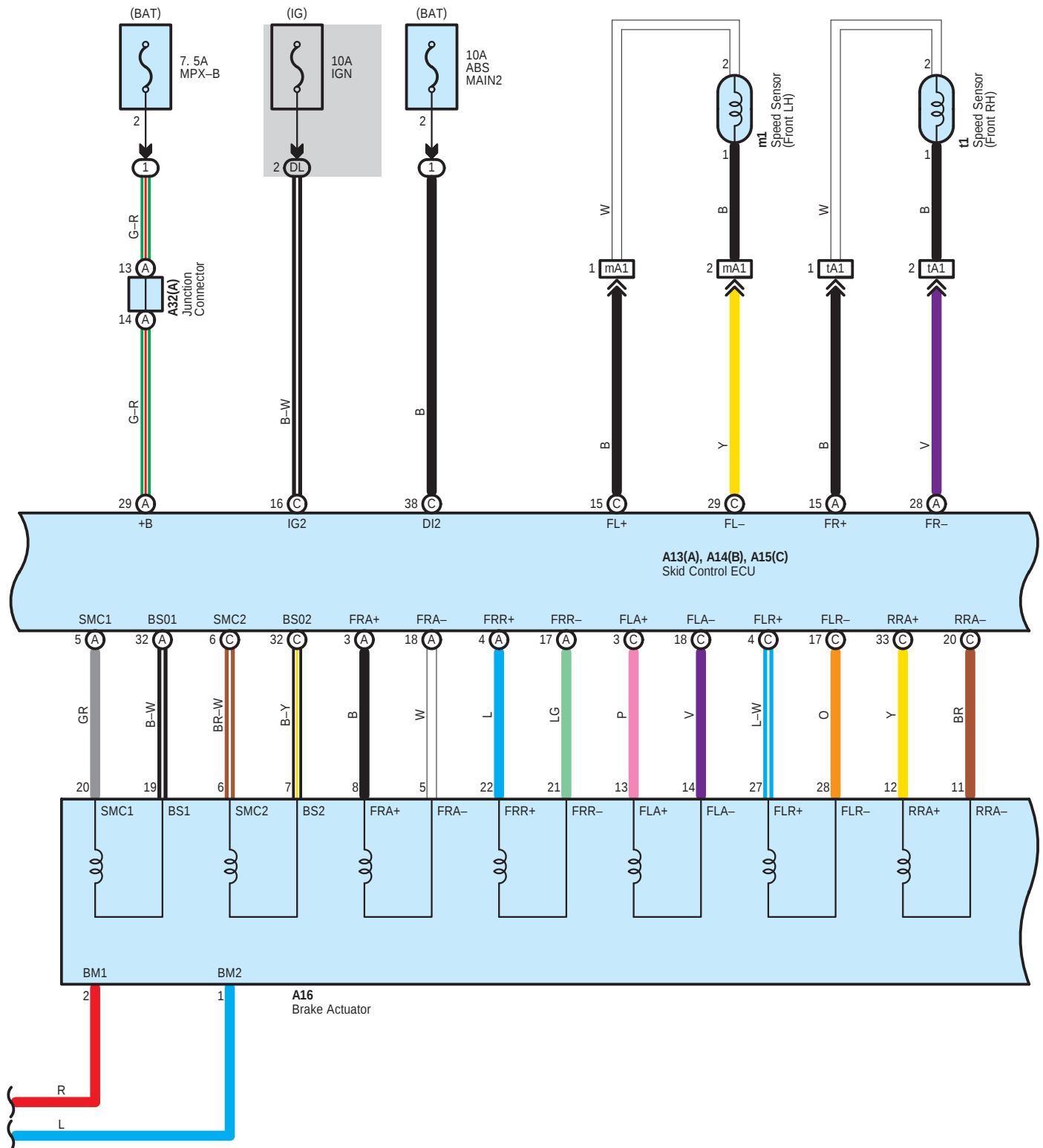


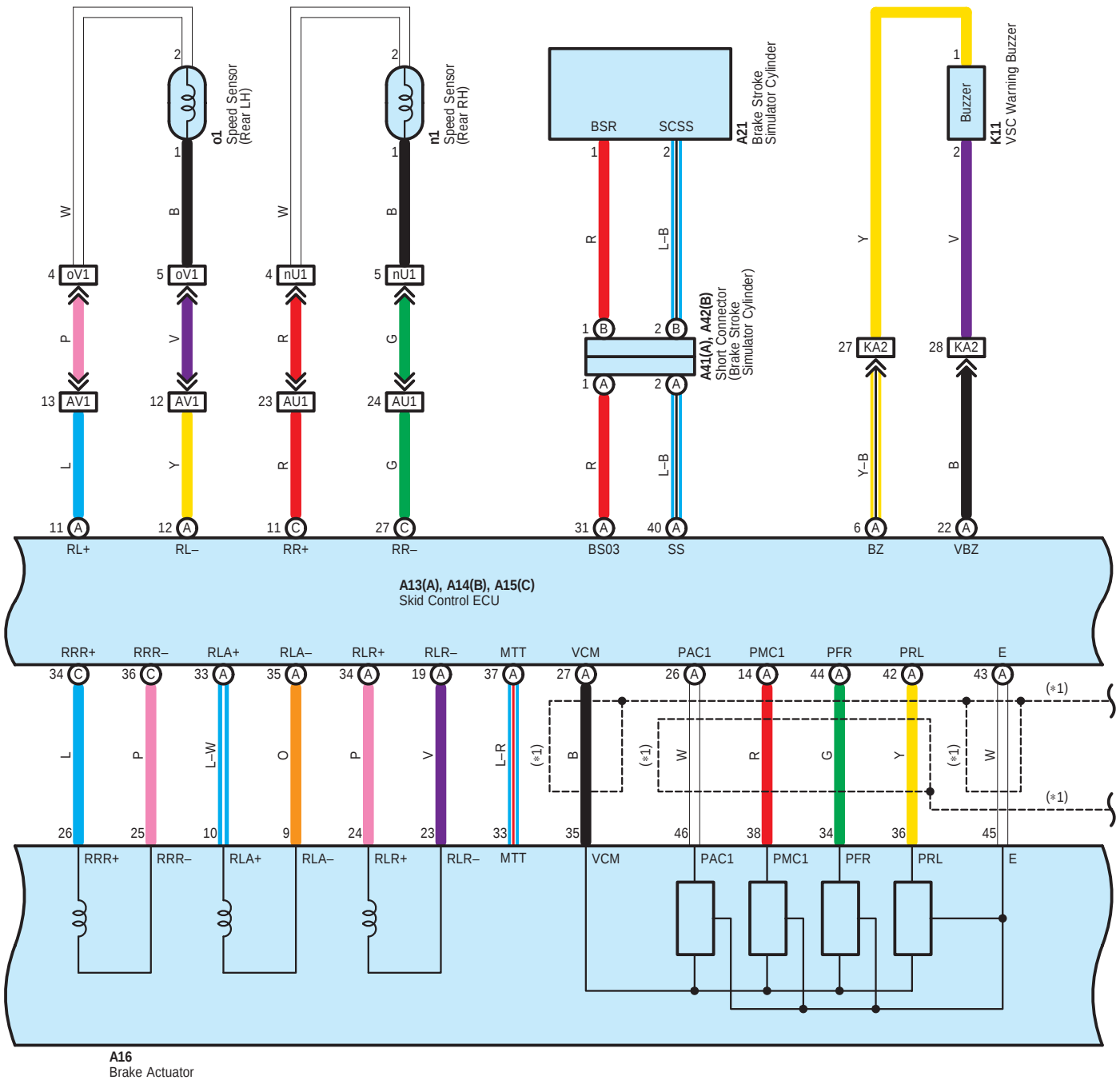
# Vehicle Dynamics Integrated Management for Hybrid Vehicle





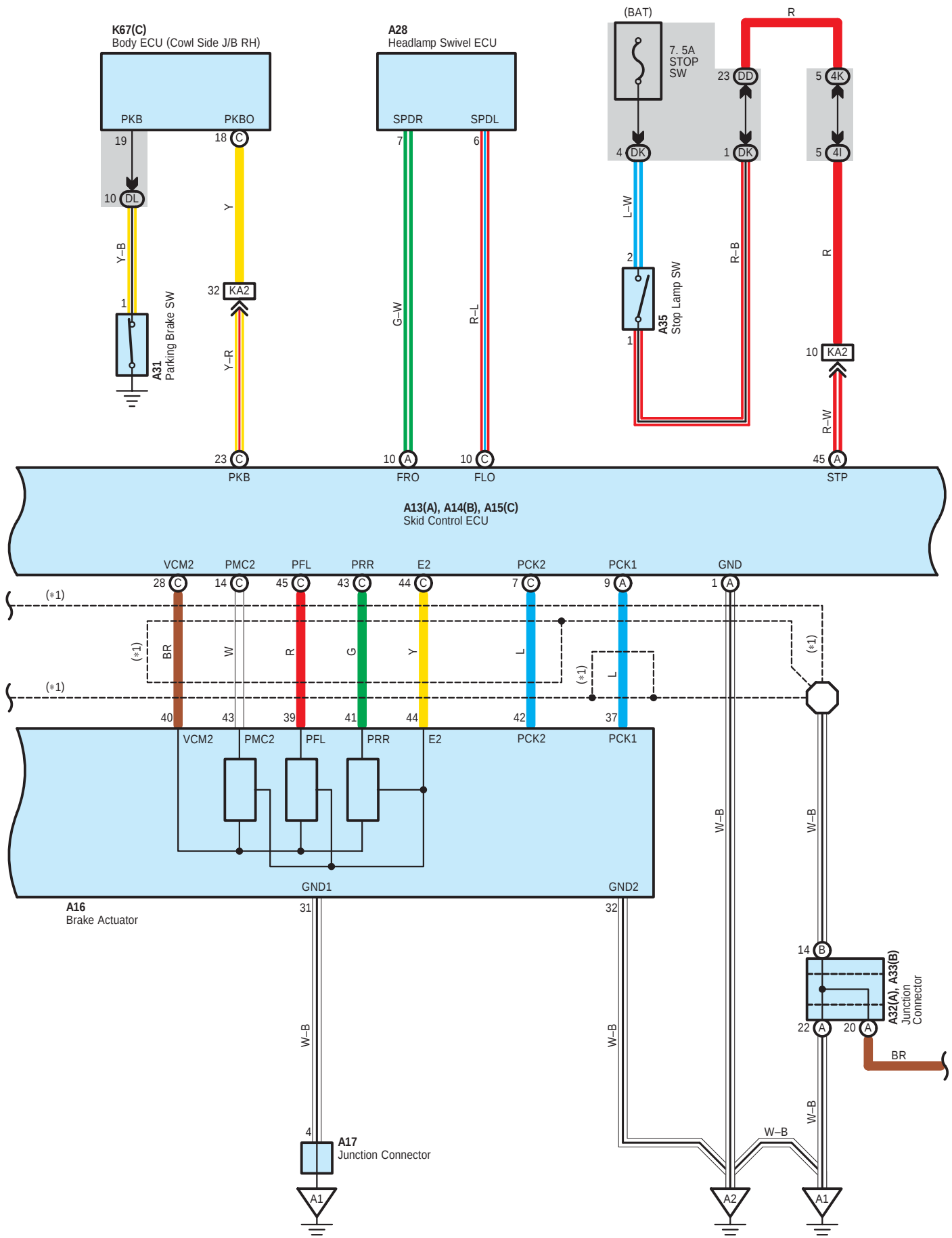
# Vehicle Dynamics Integrated Management for Hybrid Vehicle





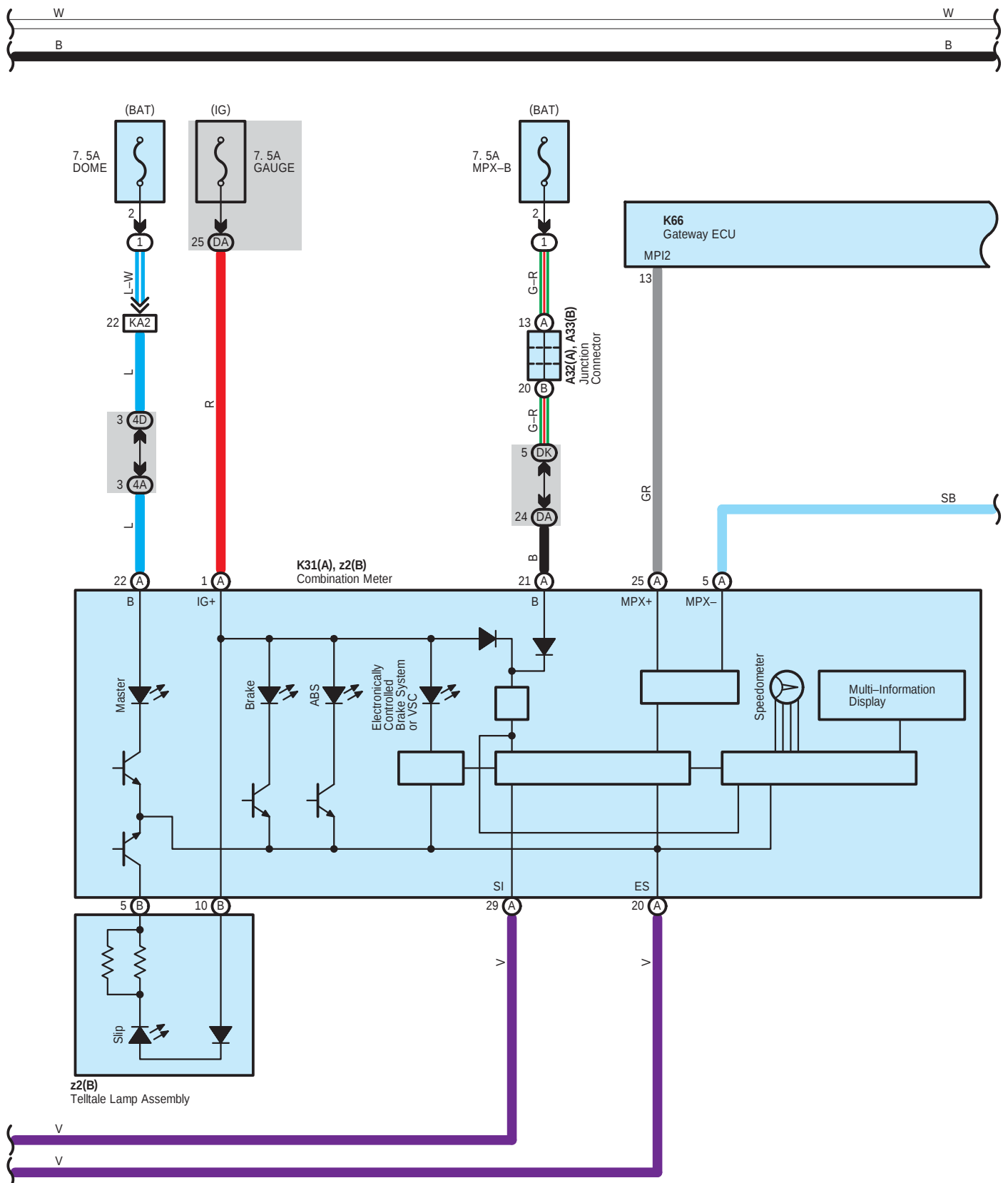
\* 1 : Shielded

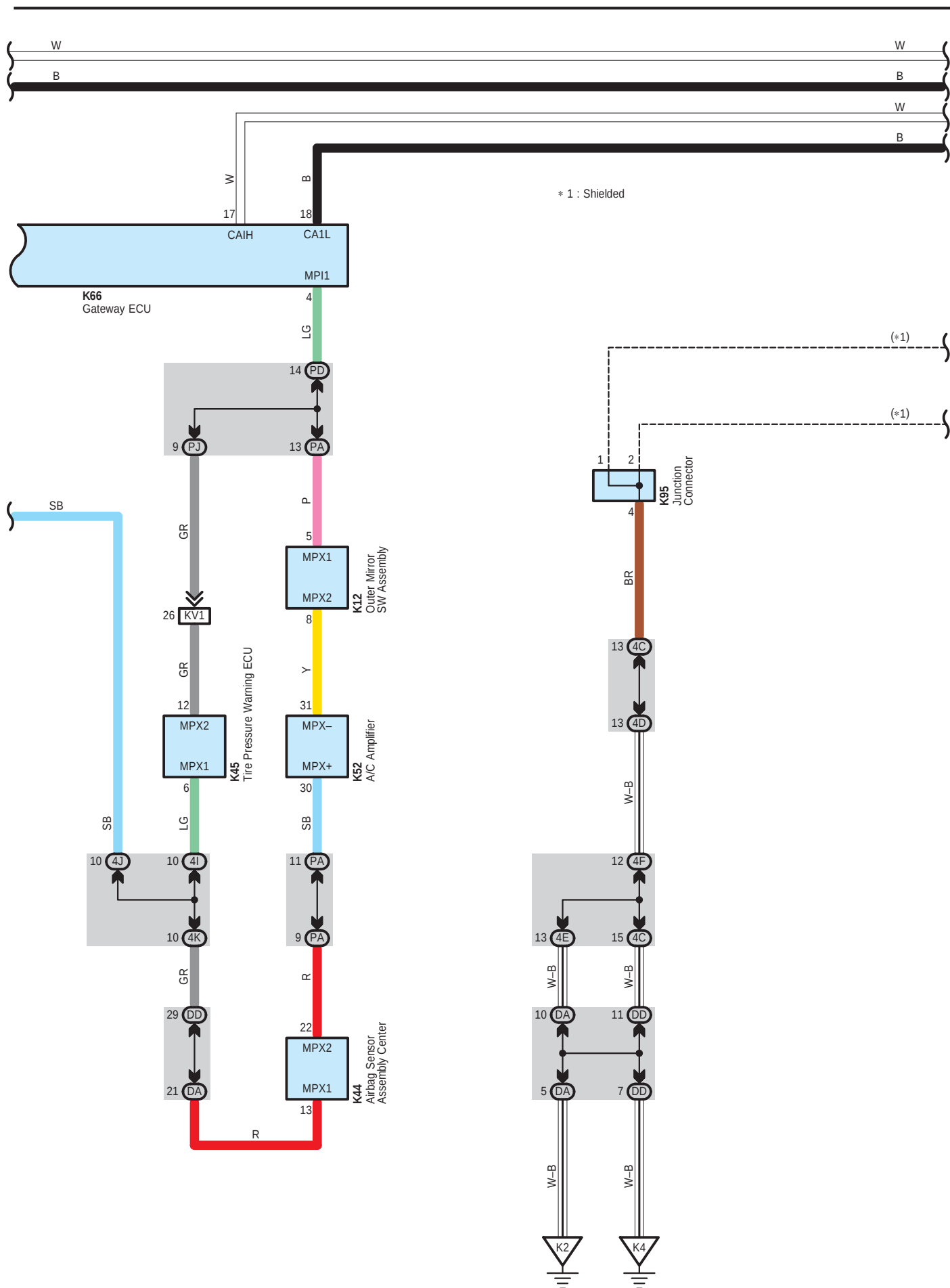
# Vehicle Dynamics Integrated Management for Hybrid Vehicle



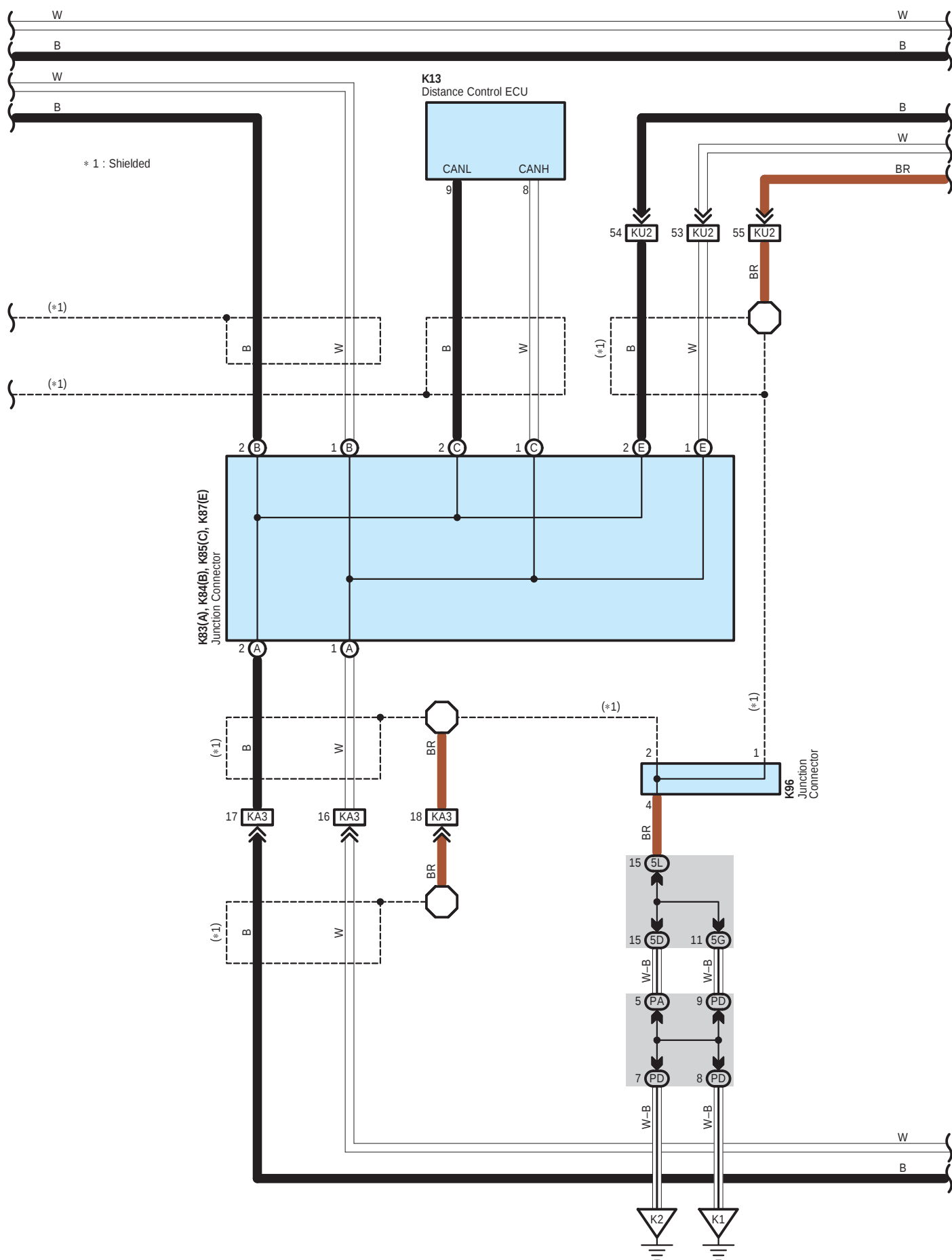


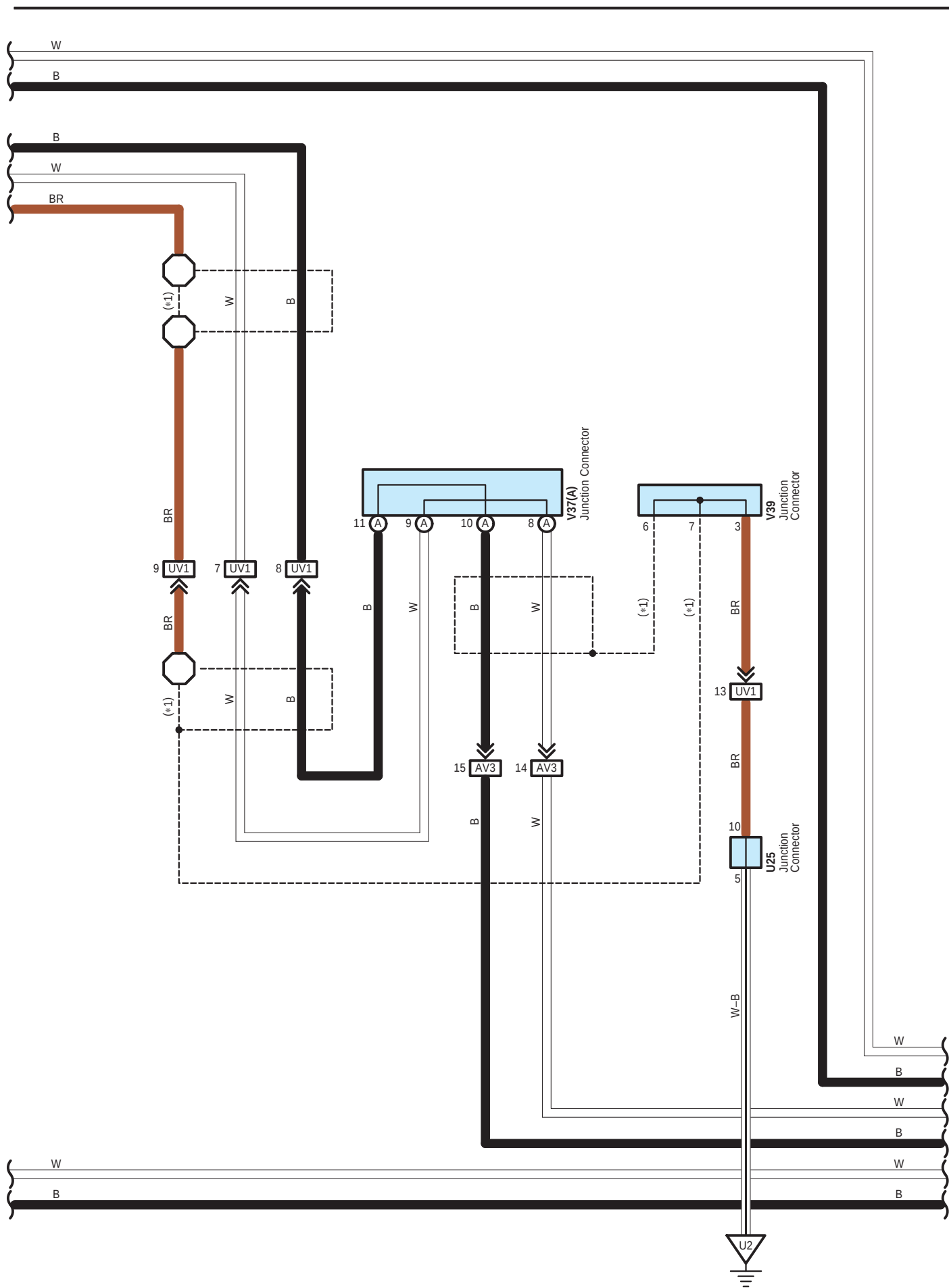
# Vehicle Dynamics Integrated Management for Hybrid Vehicle





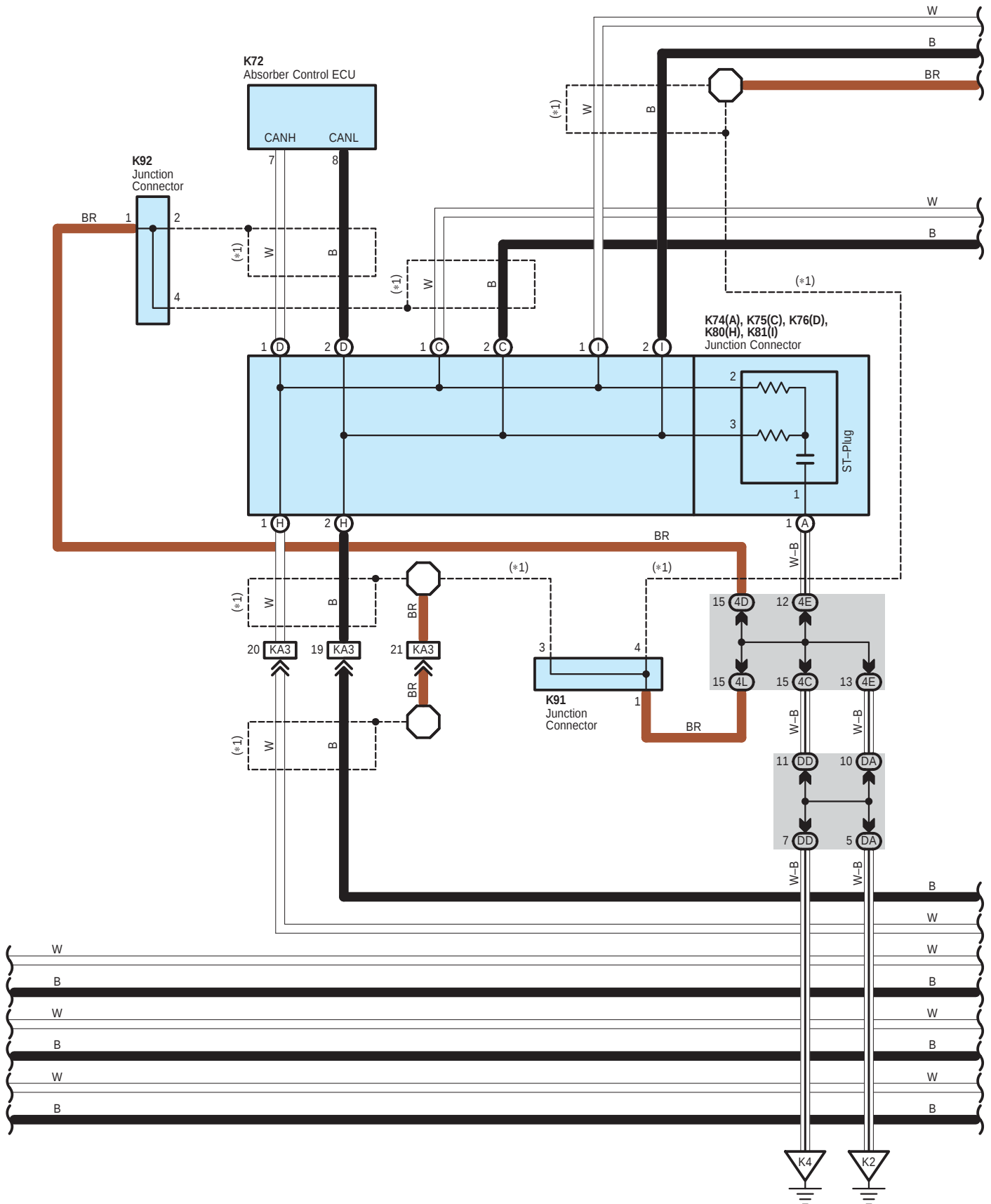
# Vehicle Dynamics Integrated Management for Hybrid Vehicle

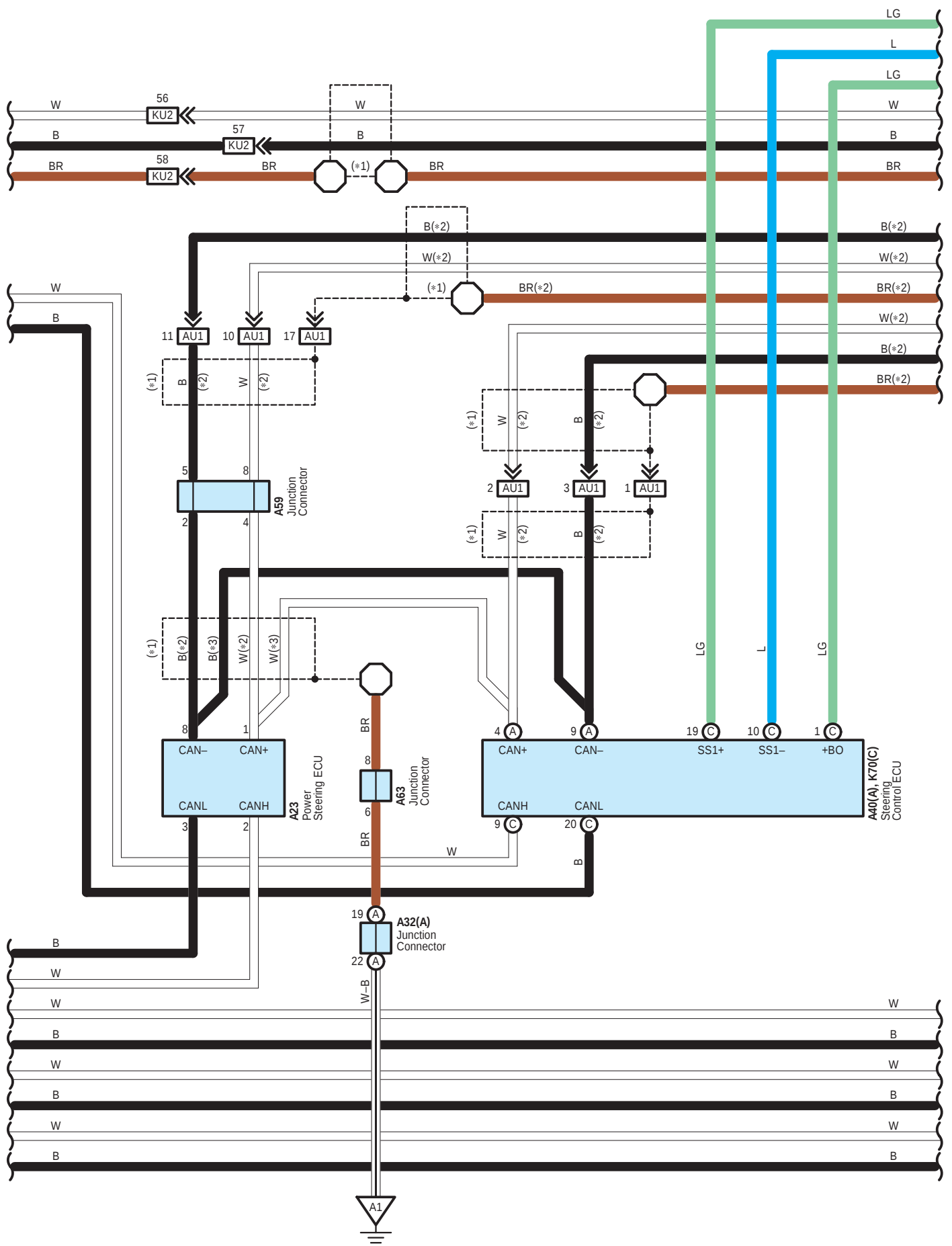




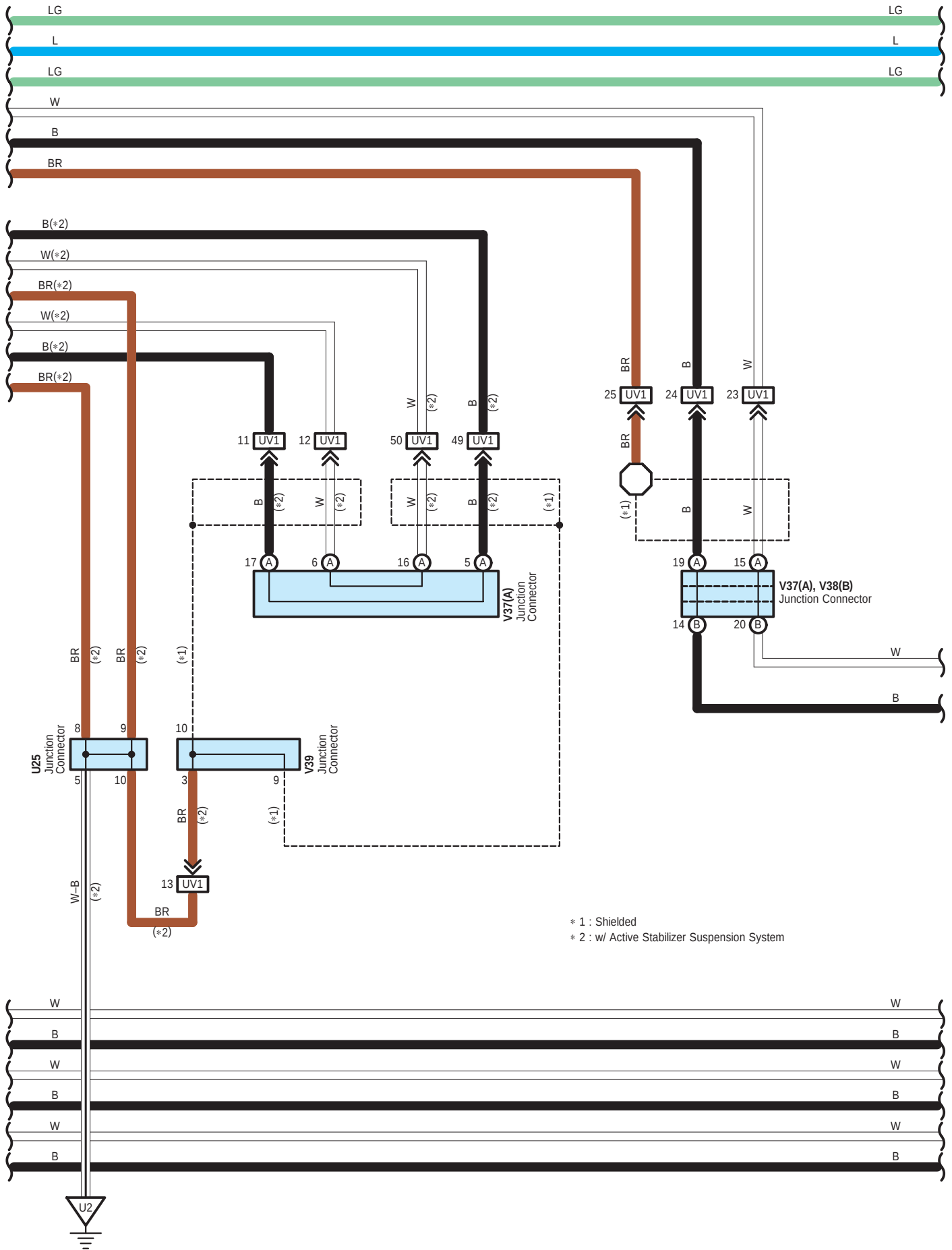
# Vehicle Dynamics Integrated Management for Hybrid Vehicle

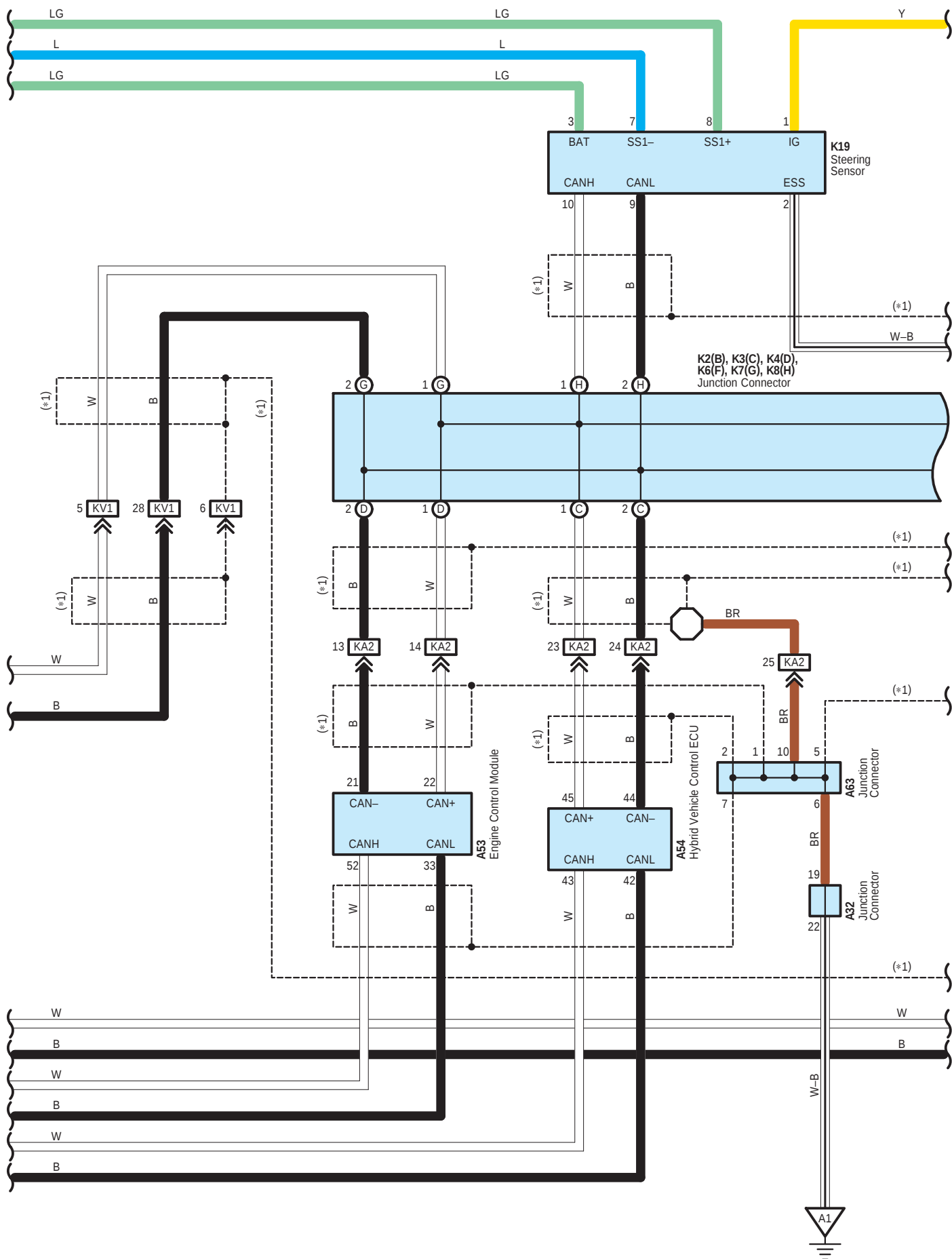
- \* 1 : Shielded
- \* 2 : w/ Active Stabilizer Suspension System
- \* 3 : w/o Active Stabilizer Suspension System





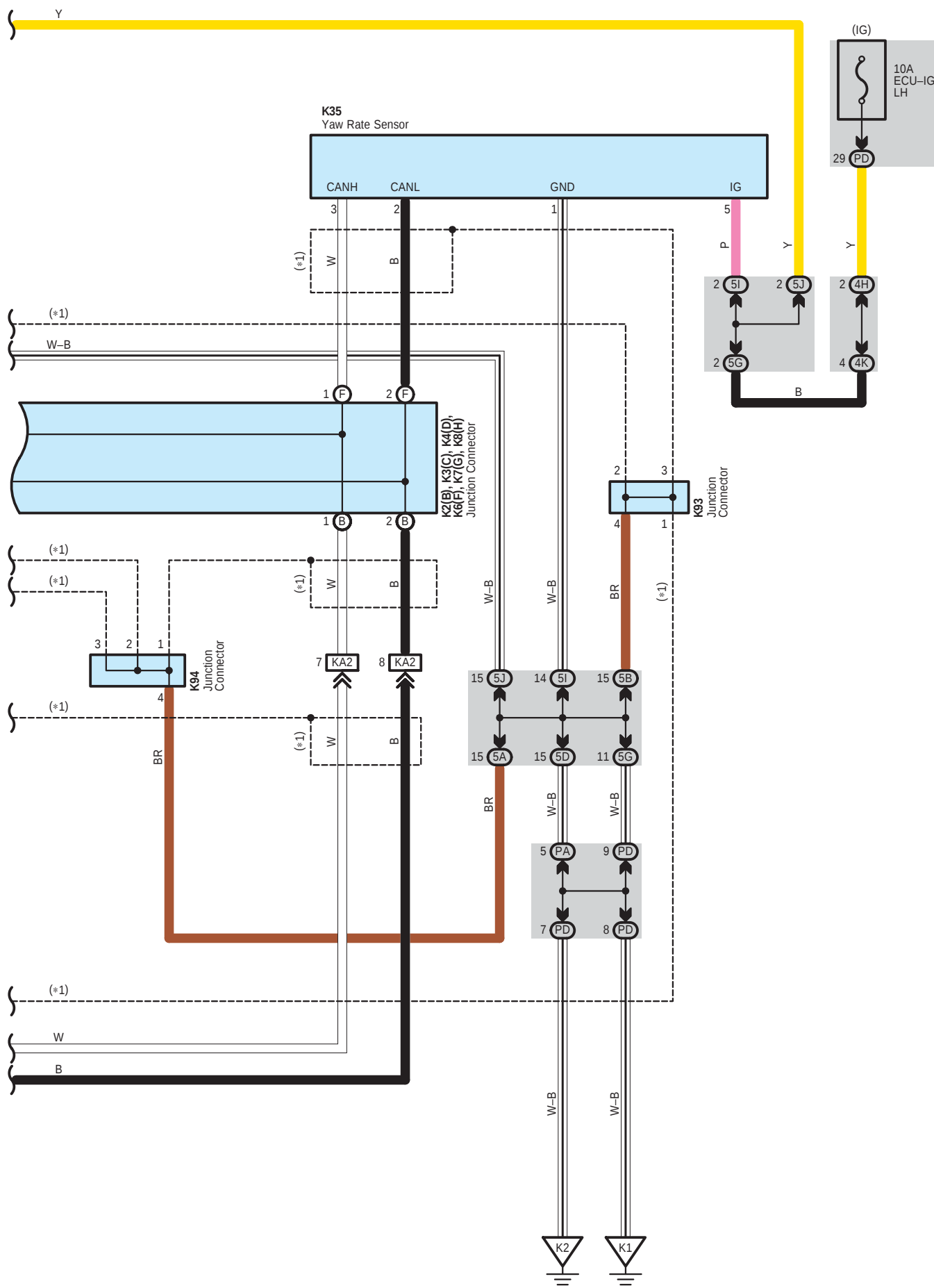
# Vehicle Dynamics Integrated Management for Hybrid Vehicle





# Vehicle Dynamics Integrated Management for Hybrid Vehicle

\* 1 : Shielded



## System Outline

Vehicle dynamics integrated management improves travel performance of the vehicle such as 'Driving, turning and stopping' with the steering control (Front wheel steering angle, steering torque), which is outcome of the system unification and collaboration among independent functions such as ABS, TRAC and VSC.

## ○ : Parts Location

| Code |   | See Page | Code |   | See Page | Code |   | See Page |
|------|---|----------|------|---|----------|------|---|----------|
| A13  | A | 80       | K6   | F | 74, 85   | K84  | B | 78, 86   |
| A14  | B | 80       | K7   | G | 74, 85   | K85  | C | 78, 86   |
| A15  | C | 80       | K8   | H | 74, 85   | K87  | E | 78, 86   |
| A16  |   | 80       | K11  |   | 85       | K91  |   | 86       |
| A17  |   | 80       | K12  |   | 85       | K92  |   | 86       |
| A21  |   | 80       | K13  |   | 85       | K93  |   | 86       |
| A22  |   | 80       | K16  |   | 85       | K94  |   | 86       |
| A23  |   | 80       | K19  |   | 85       | K95  |   | 86       |
| A28  |   | 84       | K31  | A | 85       | K96  |   | 86       |
| A31  |   | 84       | K35  |   | 85       | U22  | A | 90       |
| A32  | A | 84       | K43  |   | 86       | U23  | B | 90       |
| A33  | B | 84       | K44  |   | 86       | U25  |   | 90       |
| A35  |   | 84       | K45  |   | 86       | U27  |   | 90       |
| A36  |   | 84       | K52  |   | 86       | V7   |   | 91       |
| A40  | A | 84       | K66  |   | 86       | V37  | A | 91       |
| A41  | A | 80       | K67  | C | 86       | V38  | B | 91       |
| A42  | B | 80       | K70  | C | 86       | V39  |   | 91       |
| A53  |   | 80       | K72  |   | 86       | m1   |   | 83       |
| A54  |   | 80       | K74  | A | 76, 86   | n1   |   | 93       |
| A59  |   | 80       | K75  | C | 76, 86   | o1   |   | 93       |
| A63  |   | 84       | K76  | D | 76, 86   | t1   |   | 83       |
| K2   | B | 74, 85   | K80  | H | 76, 86   | z2   | B | 87       |
| K3   | C | 74, 85   | K81  | I | 76, 86   |      |   |          |
| K4   | D | 74, 85   | K83  | A | 78, 86   |      |   |          |

## ○ : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location)            |
|------|----------|------------------------------------------------|
| 1    | 24       | Engine Room R/B No.1 (Engine Compartment Left) |
| 3    | 42       | Engine Room R/B No.3 (Engine Compartment Left) |

# Vehicle Dynamics Integrated Management for Hybrid Vehicle



## : Junction Block and Wire Harness Connector

| Code | See Page | Junction Block and Wire Harness (Connector Location)                                       |
|------|----------|--------------------------------------------------------------------------------------------|
| 1E   | 27       | Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment left)                   |
| 4A   | 70       | Instrument Panel Wire and Center J/B RH (Right Side of the Instrument Panel Reinforcement) |
| 4C   |          |                                                                                            |
| 4D   |          |                                                                                            |
| 4E   |          |                                                                                            |
| 4F   |          |                                                                                            |
| 4H   |          |                                                                                            |
| 4I   |          |                                                                                            |
| 4J   |          |                                                                                            |
| 4K   |          |                                                                                            |
| 4L   |          |                                                                                            |
| 5A   | 66       | Instrument Panel Wire and Center J/B LH (Right Side of the Instrument Panel Reinforcement) |
| 5B   |          |                                                                                            |
| 5D   |          |                                                                                            |
| 5G   |          |                                                                                            |
| 5I   |          |                                                                                            |
| 5J   |          |                                                                                            |
| 5L   |          |                                                                                            |
| 5M   |          |                                                                                            |
| DA   | 55       | Instrument Panel Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| DD   |          |                                                                                            |
| DJ   | 56       | Floor Wire and Cowl Side J/B RH (Behind the Glove Box)                                     |
| DK   | 56       | Engine Room Main Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| DL   |          |                                                                                            |
| PA   | 49       | Instrument Panel Wire and Cowl Side J/B LH (Lower Finish Panel)                            |
| PD   |          |                                                                                            |
| PJ   | 50       | Floor No.2 Wire and Cowl Side J/B LH (Lower Finish Panel)                                  |
| PK   | 50       | Engine Room Main Wire and Cowl Side J/B LH (Lower Finish Panel)                            |
| PL   |          |                                                                                            |



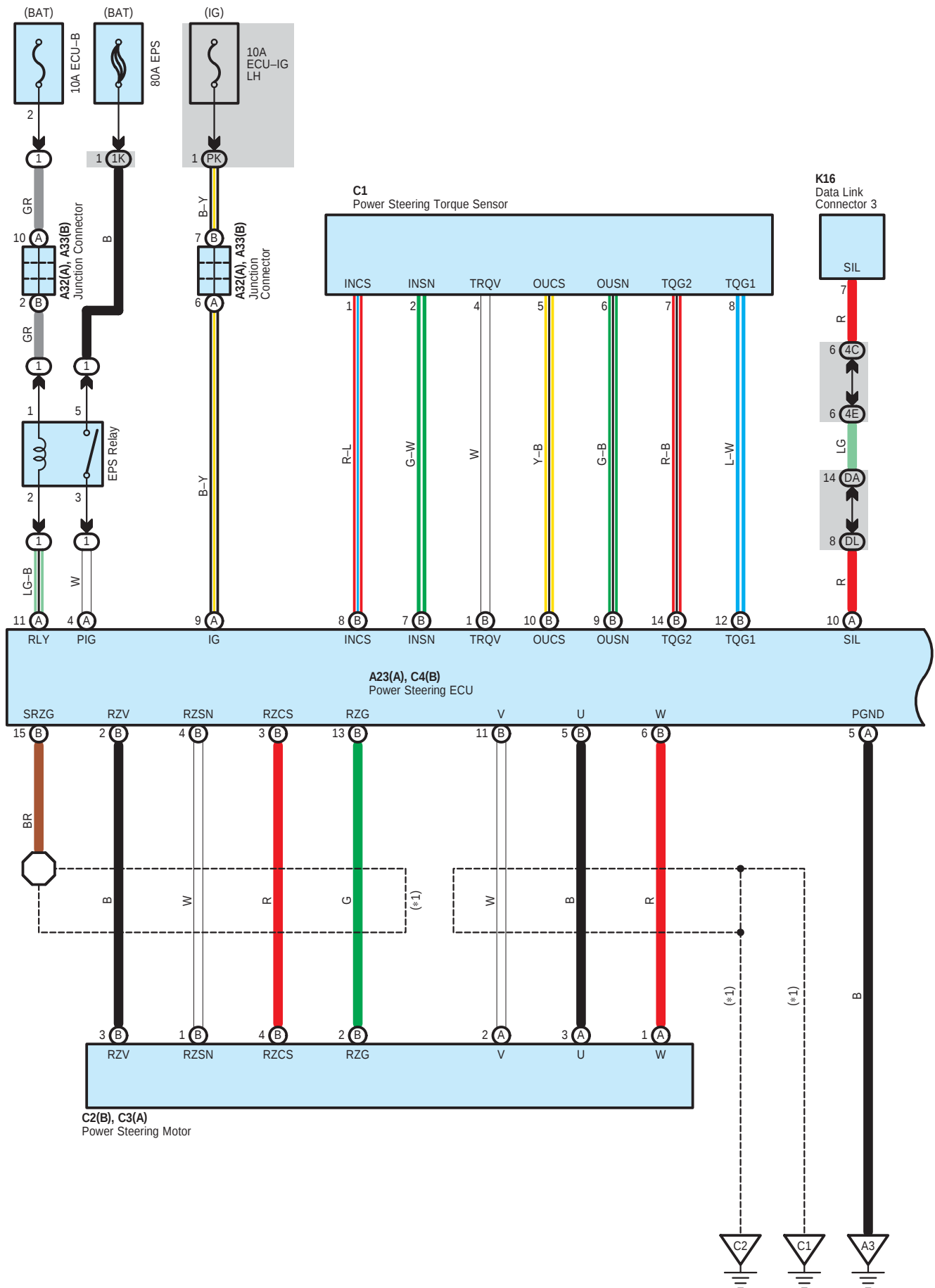
## : Connector Joining Wire Harness and Wire Harness

| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location)                                          |
|------|----------|-----------------------------------------------------------------------------------------------------|
| AU1  | 97       | Engine Room Main Wire and Floor No.1 Wire (Cowl Side Panel RH)                                      |
| AV1  | 97       | Engine Room Main Wire and Floor No.2 Wire (Cowl Side Panel LH)                                      |
| AV3  |          |                                                                                                     |
| KA2  | 97       | Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)                                   |
| KA3  | 97       | Instrument Panel Wire and Engine Room Main Wire (Right Kick Panel)                                  |
| KU2  | 97       | Instrument Panel Wire and Floor No.1 Wire (Right Kick Panel)                                        |
| KV1  | 97       | Instrument Panel Wire and Floor No.2 Wire (Left Kick Panel)                                         |
| UV1  | 98       | Floor No.1 Wire and Floor No.2 Wire (Center of the Rear Floor Partition Panel)                      |
| mA1  | 96       | Skid Control Sensor Wire Front LH and Engine Room Main Wire (Engine Compartment Left)               |
| nU1  | 98       | Skid Control Sensor Wire Rear LH and Floor No.1 Wire (Right Side of the Rear Floor Partition Panel) |
| oV1  | 98       | Skid Control Sensor Wire Rear RH and Floor No.2 Wire (Left Side of the Rear Floor Partition Panel)  |
| tA1  | 96       | Skid Control Sensor Wire Front RH and Engine Room Main Wire (Engine Compartment Right)              |

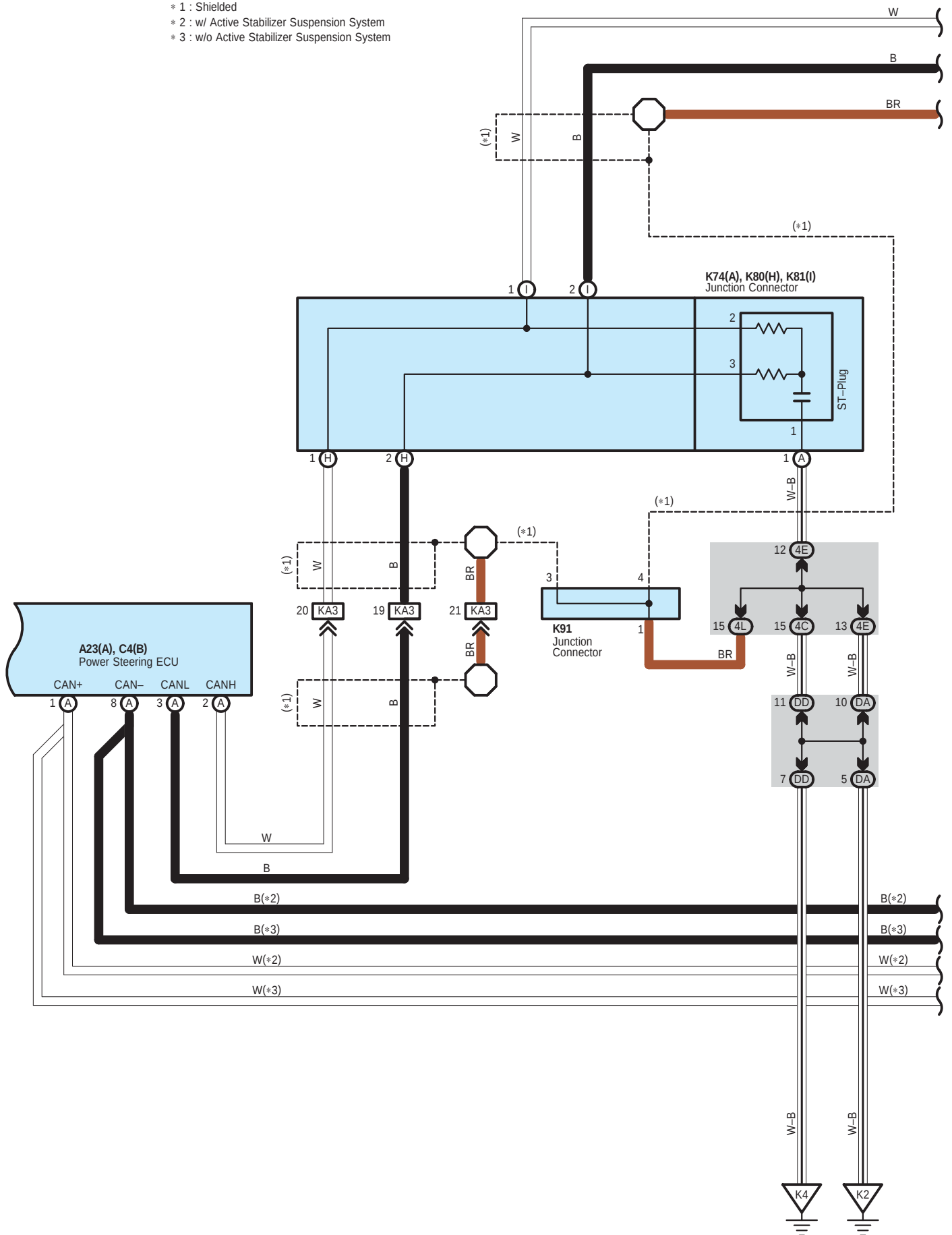


: **Ground Points**

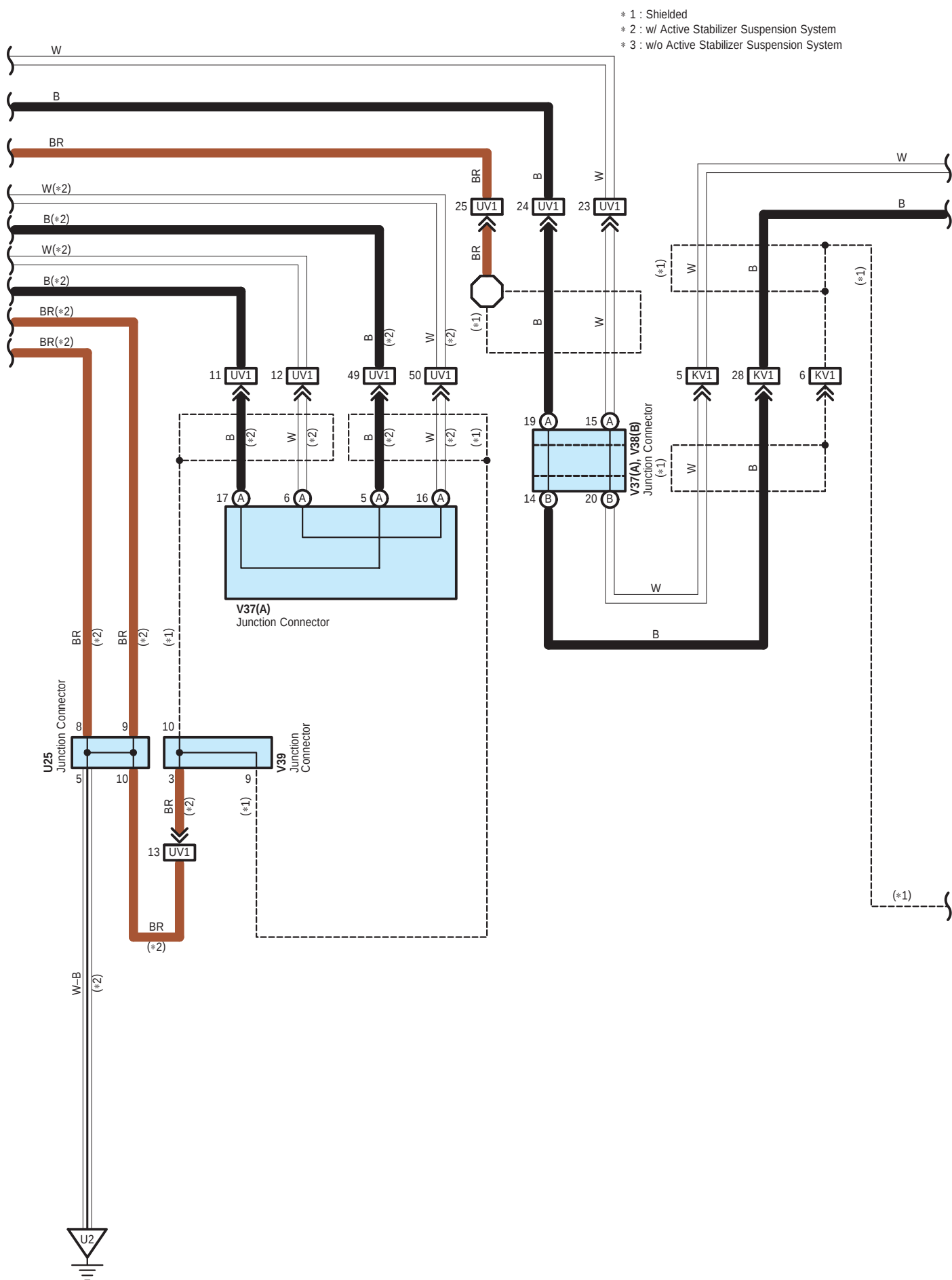
| Code | See Page | Ground Points Location                       |
|------|----------|----------------------------------------------|
| A1   | 96       | Left Side of the Dash Panel                  |
| A2   | 96       | Front Left Fender Apron                      |
| K1   | 97       | Left Kick Panel                              |
| K2   | 97       | Left Side of the Shift Lever                 |
| K4   | 97       | Right Kick Panel                             |
| U2   | 98       | Right Side of the Rear Floor Partition Panel |

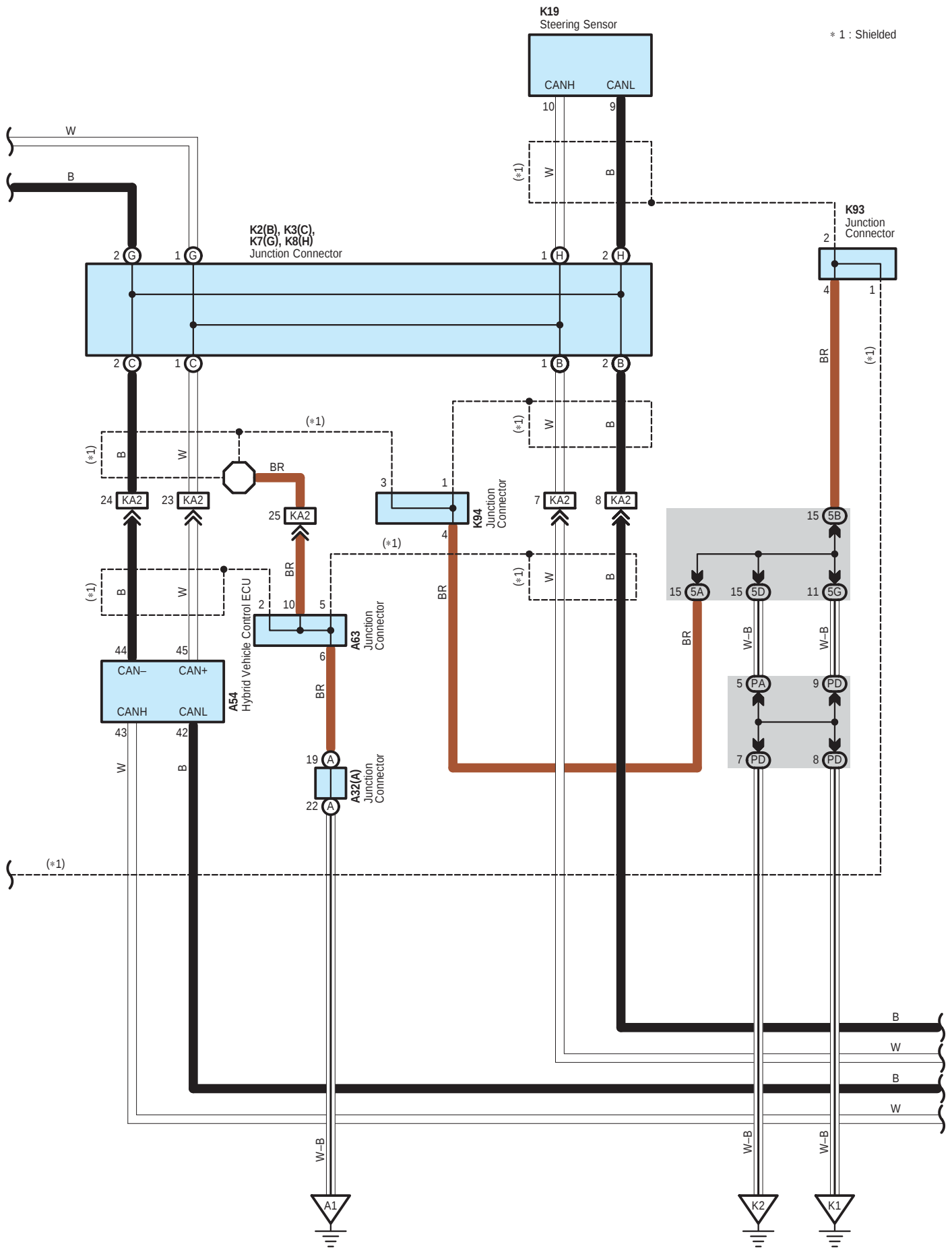


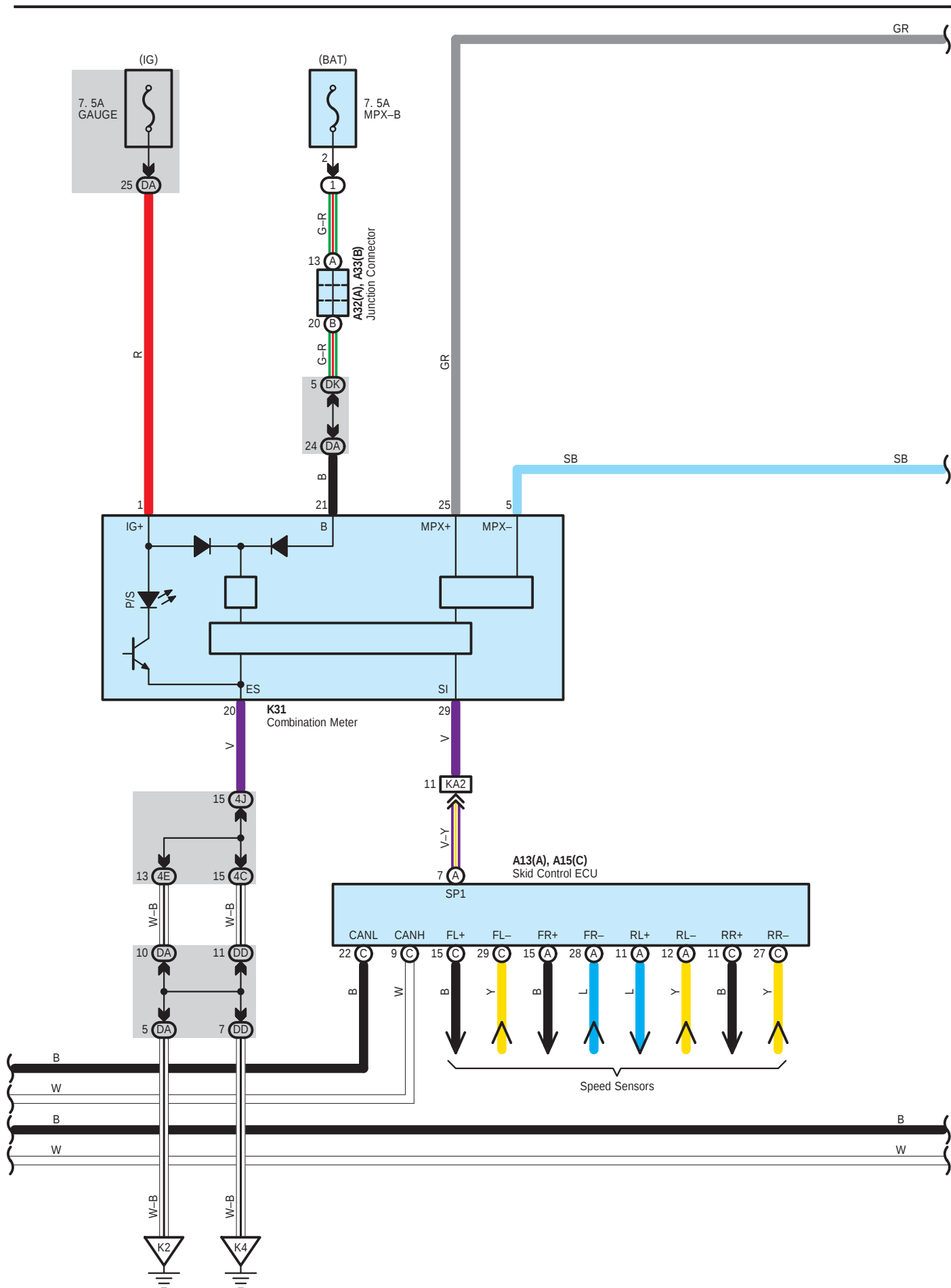
- \* 1 : Shielded
- \* 2 : w/ Active Stabilizer Suspension System
- \* 3 : w/o Active Stabilizer Suspension System

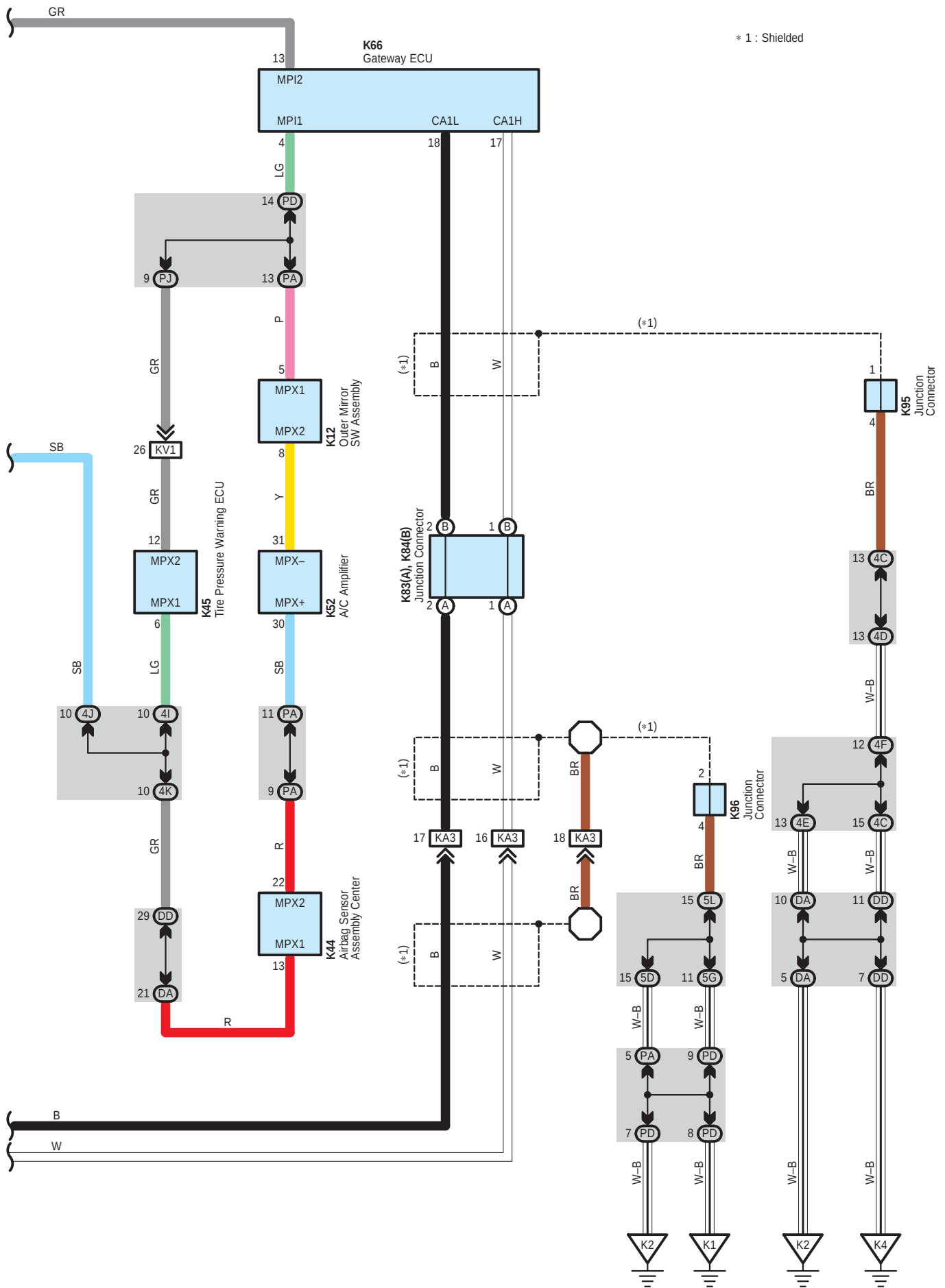












## System Outline

- \* To reduce driver's steering force, assist current is calculated from torque sensor signal and vehicle speed signal to output them to the motor.
- \* When abnormality is found in the system, the power relay and motor relay (Built in the ECU) are shut off to stop the assistance and the warning lamp (P/S) illuminates in the meter.

## ○ : Parts Location

| Code |   | See Page | Code |   | See Page | Code |   | See Page |
|------|---|----------|------|---|----------|------|---|----------|
| A13  | A | 80       | K2   | B | 74, 85   | K80  | H | 76, 86   |
| A15  | C | 80       | K3   | C | 74, 85   | K81  | I | 76, 86   |
| A23  | A | 80       | K7   | G | 74, 85   | K83  | A | 78, 86   |
| A32  | A | 84       | K8   | H | 74, 85   | K84  | B | 78, 86   |
| A33  | B | 84       | K12  |   | 85       | K91  |   | 86       |
| A40  | A | 84       | K16  |   | 85       | K93  |   | 86       |
| A54  |   | 80       | K19  |   | 85       | K94  |   | 86       |
| A59  |   | 80       | K31  |   | 85       | K95  |   | 86       |
| A63  |   | 84       | K44  |   | 86       | K96  |   | 86       |
| C1   |   | 82       | K45  |   | 86       | U25  |   | 90       |
| C2   | B | 82       | K52  |   | 86       | V37  | A | 91       |
| C3   | A | 82       | K66  |   | 86       | V38  | B | 91       |
| C4   | B | 82       | K74  | A | 76, 86   | V39  |   | 91       |

## ○ : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location)            |
|------|----------|------------------------------------------------|
| 1    | 24       | 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)                                       |
|------|----------|--------------------------------------------------------------------------------------------|
| 1K   | 27       | Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment left)                   |
| 4C   | 70       | Instrument Panel Wire and Center J/B RH (Right Side of the Instrument Panel Reinforcement) |
| 4D   |          |                                                                                            |
| 4E   |          |                                                                                            |
| 4F   |          |                                                                                            |
| 4I   |          |                                                                                            |
| 4J   |          |                                                                                            |
| 4K   |          |                                                                                            |
| 4L   |          |                                                                                            |
| 5A   | 66       | Instrument Panel Wire and Center J/B LH (Right Side of the Instrument Panel Reinforcement) |
| 5B   |          |                                                                                            |
| 5D   |          |                                                                                            |
| 5G   |          |                                                                                            |
| 5L   |          |                                                                                            |
| DA   | 55       | Instrument Panel Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| DD   |          |                                                                                            |
| DK   | 56       | Engine Room Main Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| DL   |          |                                                                                            |
| PA   | 49       | Instrument Panel Wire and Cowl Side J/B LH (Lower Finish Panel)                            |
| PD   |          |                                                                                            |
| PJ   | 50       | Floor No.2 Wire and Cowl Side J/B LH (Lower Finish Panel)                                  |
| PK   | 50       | Engine Room Main Wire and Cowl Side J/B LH (Lower Finish Panel)                            |

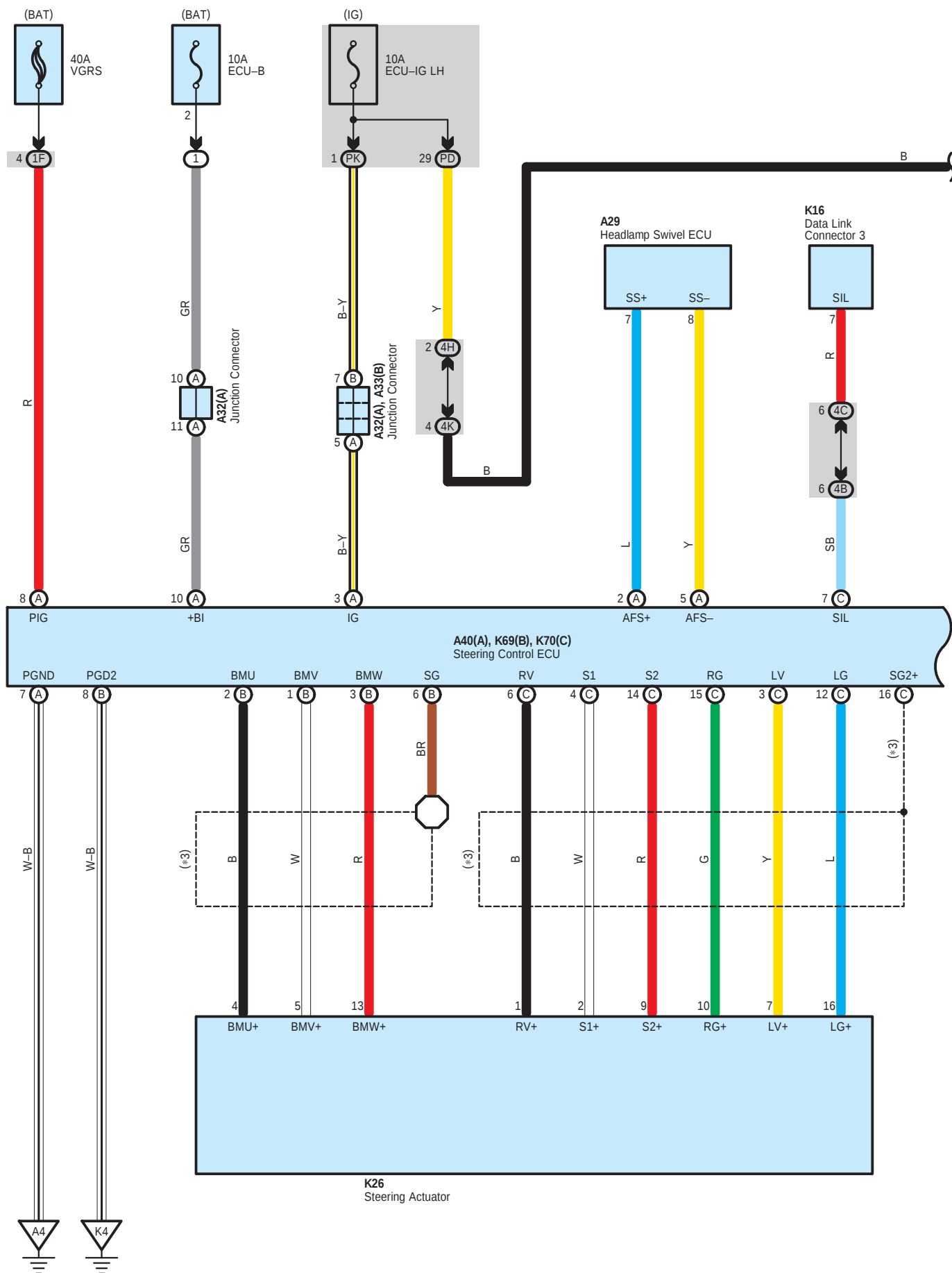
 : Connector Joining Wire Harness and Wire Harness

| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location)                     |
|------|----------|--------------------------------------------------------------------------------|
| AU1  | 97       | Engine Room Main Wire and Floor No.1 Wire (Cowl Side Panel RH)                 |
| KA2  | 97       | Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)              |
| KA3  | 97       | Instrument Panel Wire and Engine Room Main Wire (Right Kick Panel)             |
| KU2  | 97       | Instrument Panel Wire and Floor No.1 Wire (Right Kick Panel)                   |
| KV1  | 97       | Instrument Panel Wire and Floor No.2 Wire (Left Kick Panel)                    |
| UV1  | 98       | Floor No.1 Wire and Floor No.2 Wire (Center of the Rear Floor Partition Panel) |

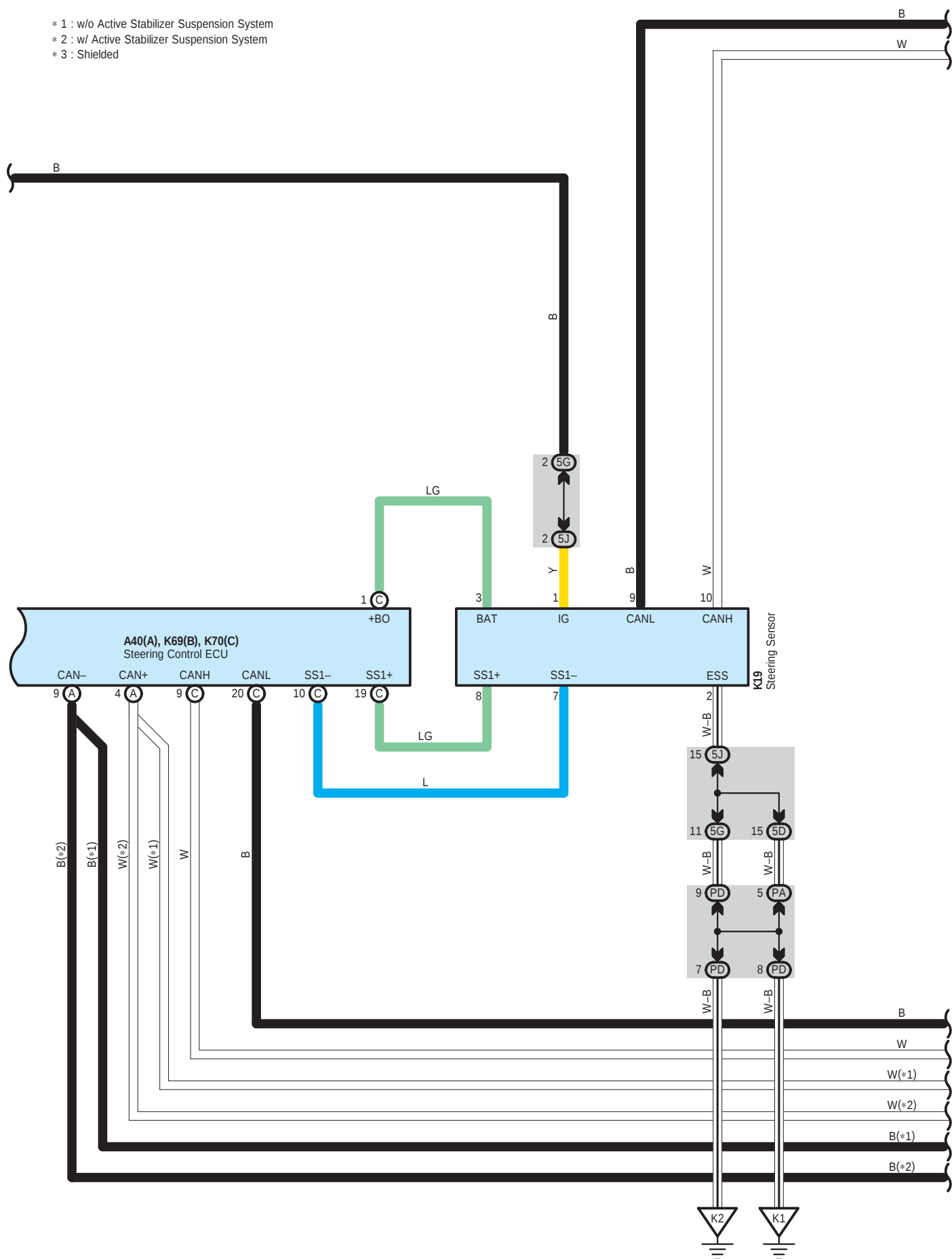
 : Ground Points

| Code | See Page | Ground Points Location                       |
|------|----------|----------------------------------------------|
| A1   | 96       | Left Side of the Dash Panel                  |
| A3   | 96       | Near the Power Steering ECU                  |
| C1   | 96       | Near the Power Steering Motor                |
| C2   | 96       | Under the Battery                            |
| K1   | 97       | Left Kick Panel                              |
| K2   | 97       | Left Side of the Shift Lever                 |
| K4   | 97       | Right Kick Panel                             |
| U2   | 98       | Right Side of the Rear Floor Partition Panel |

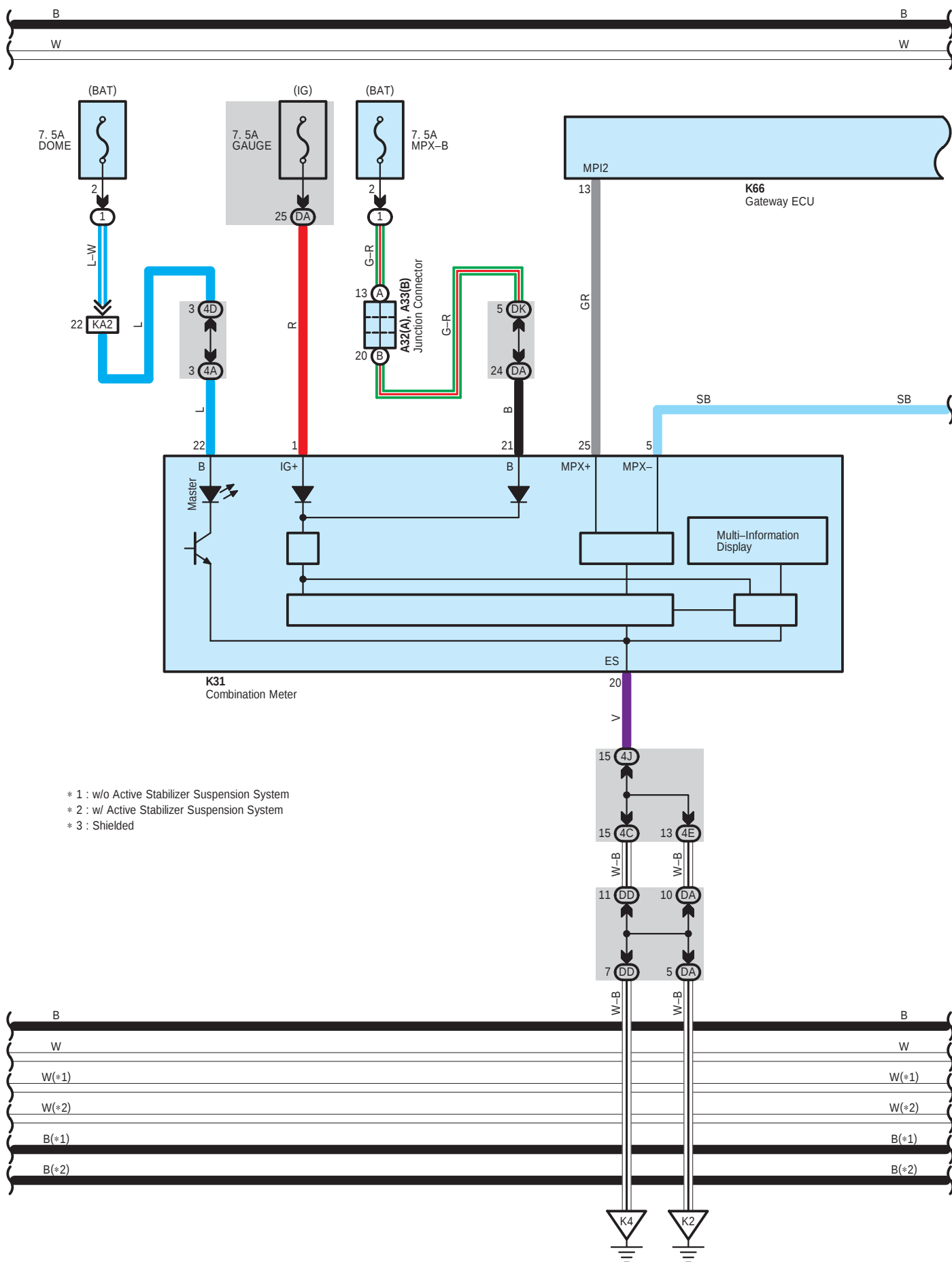


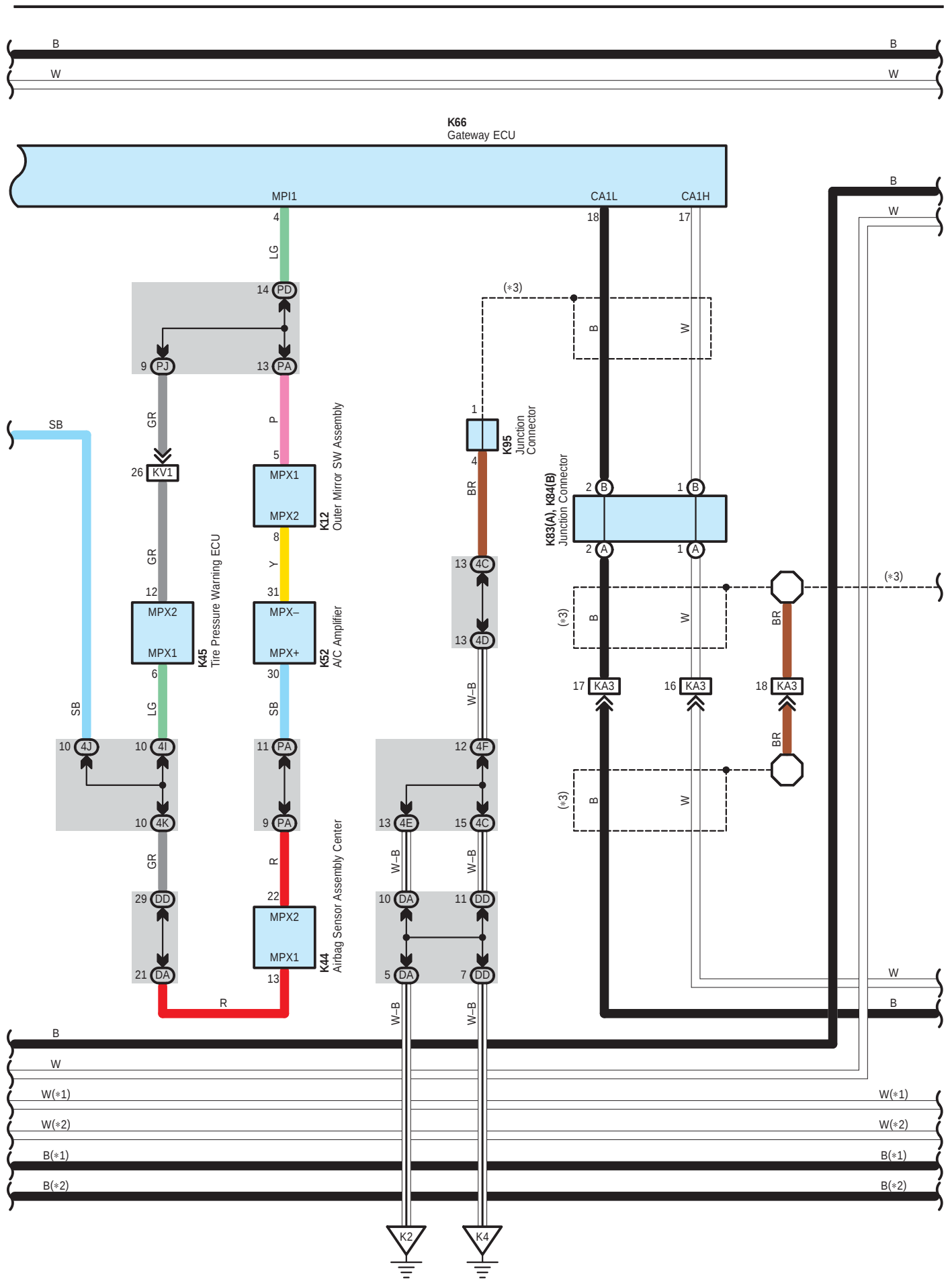


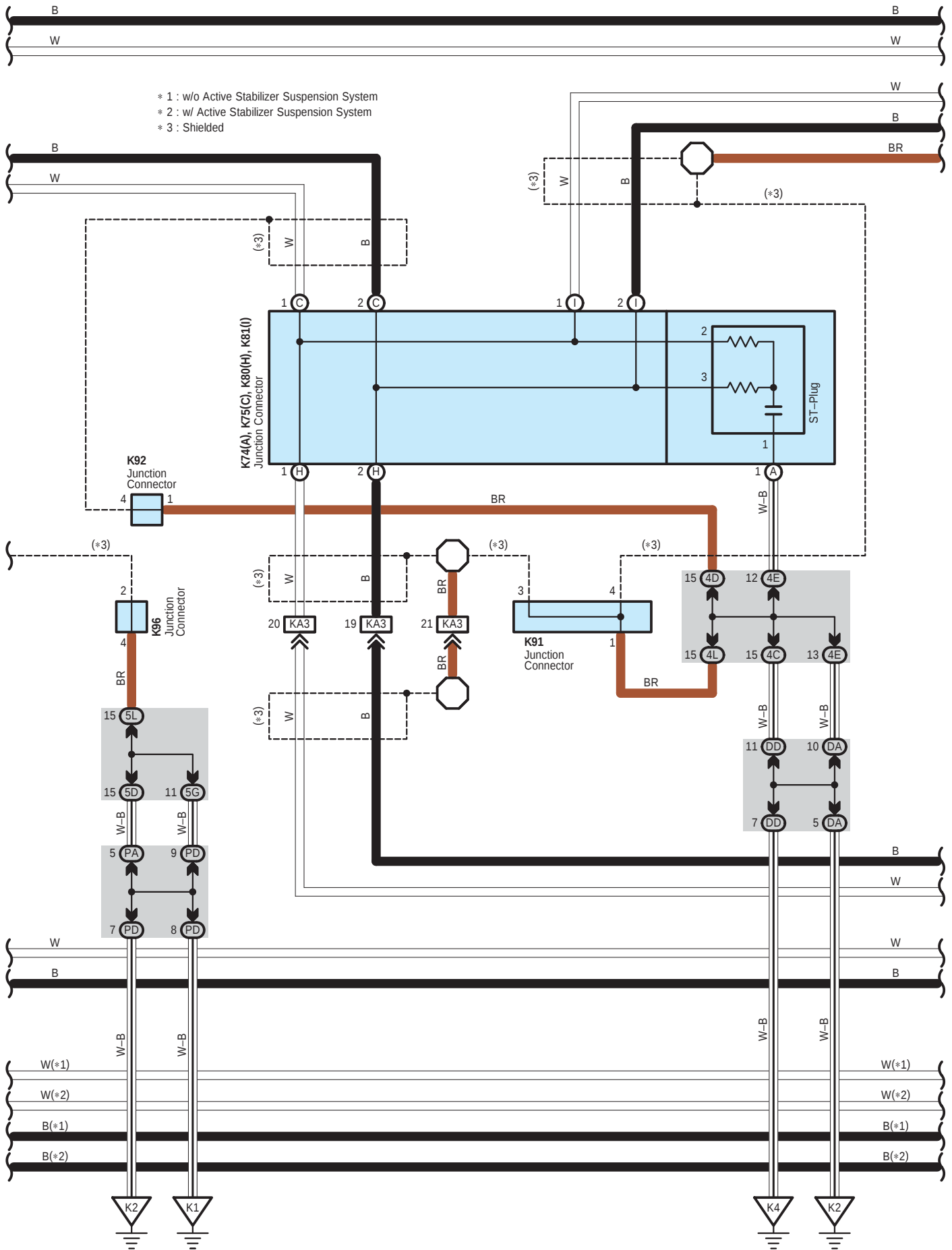
- \* 1 : w/o Active Stabilizer Suspension System
- \* 2 : w/ Active Stabilizer Suspension System
- \* 3 : Shielded

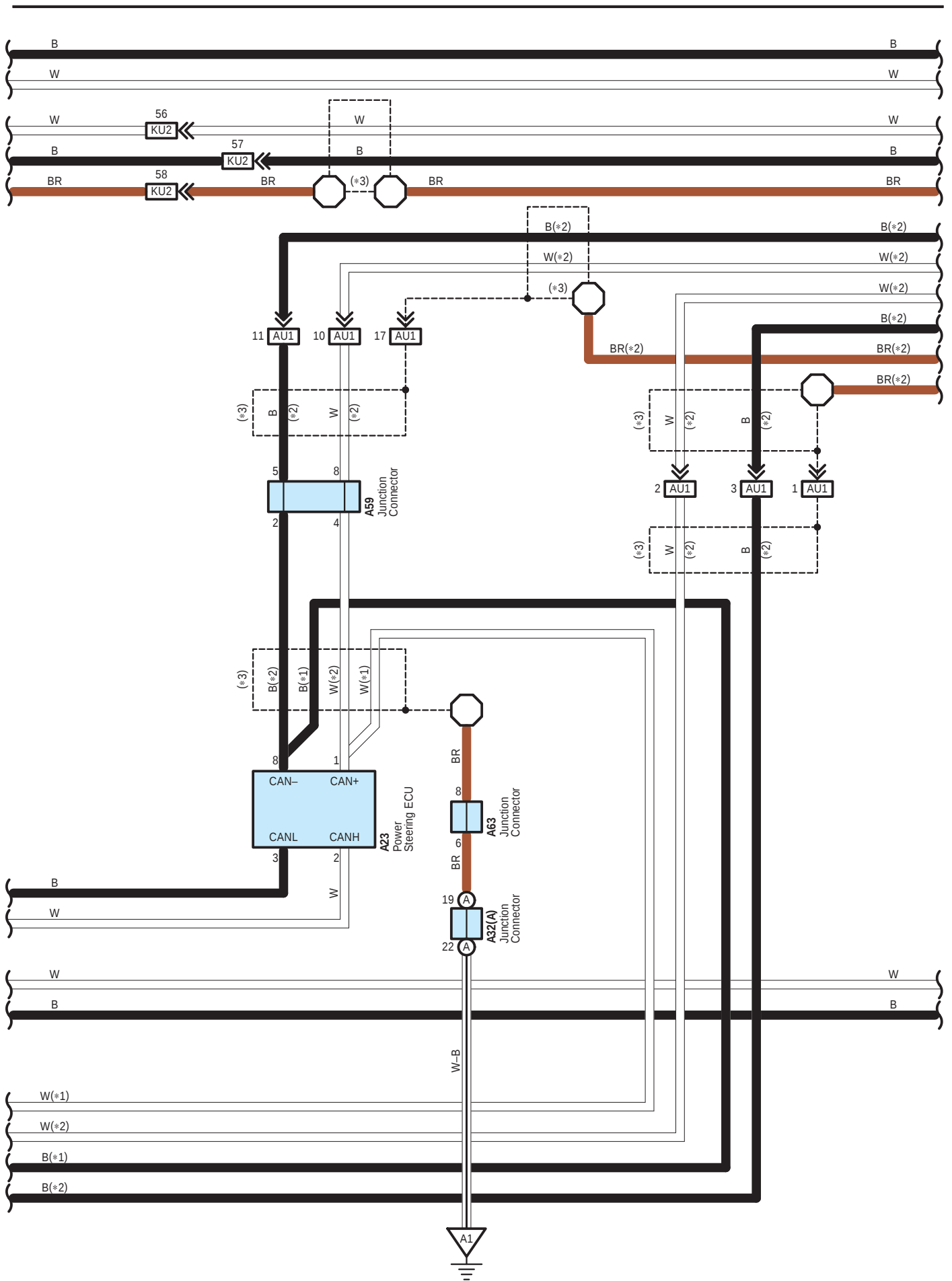


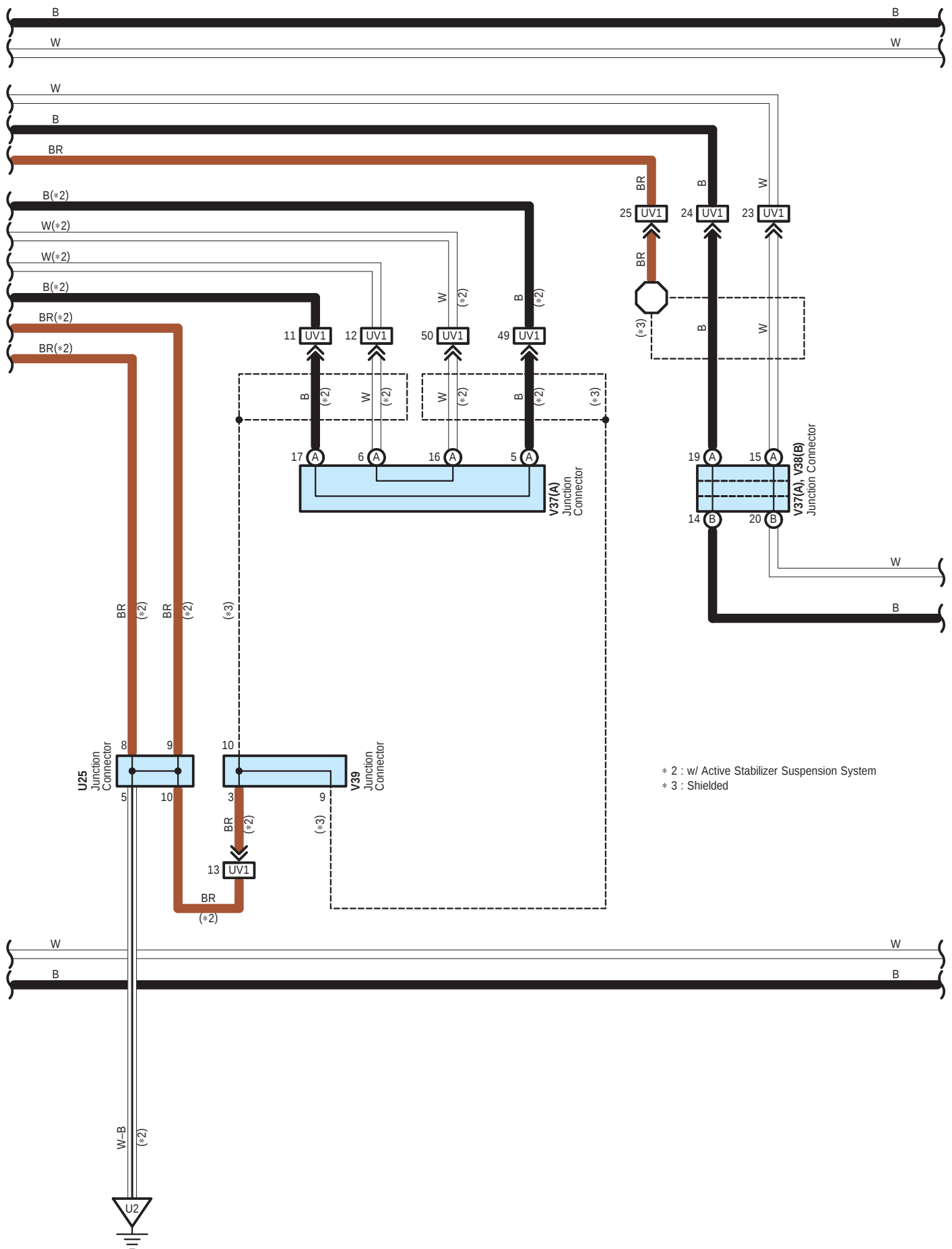
# VGRS System

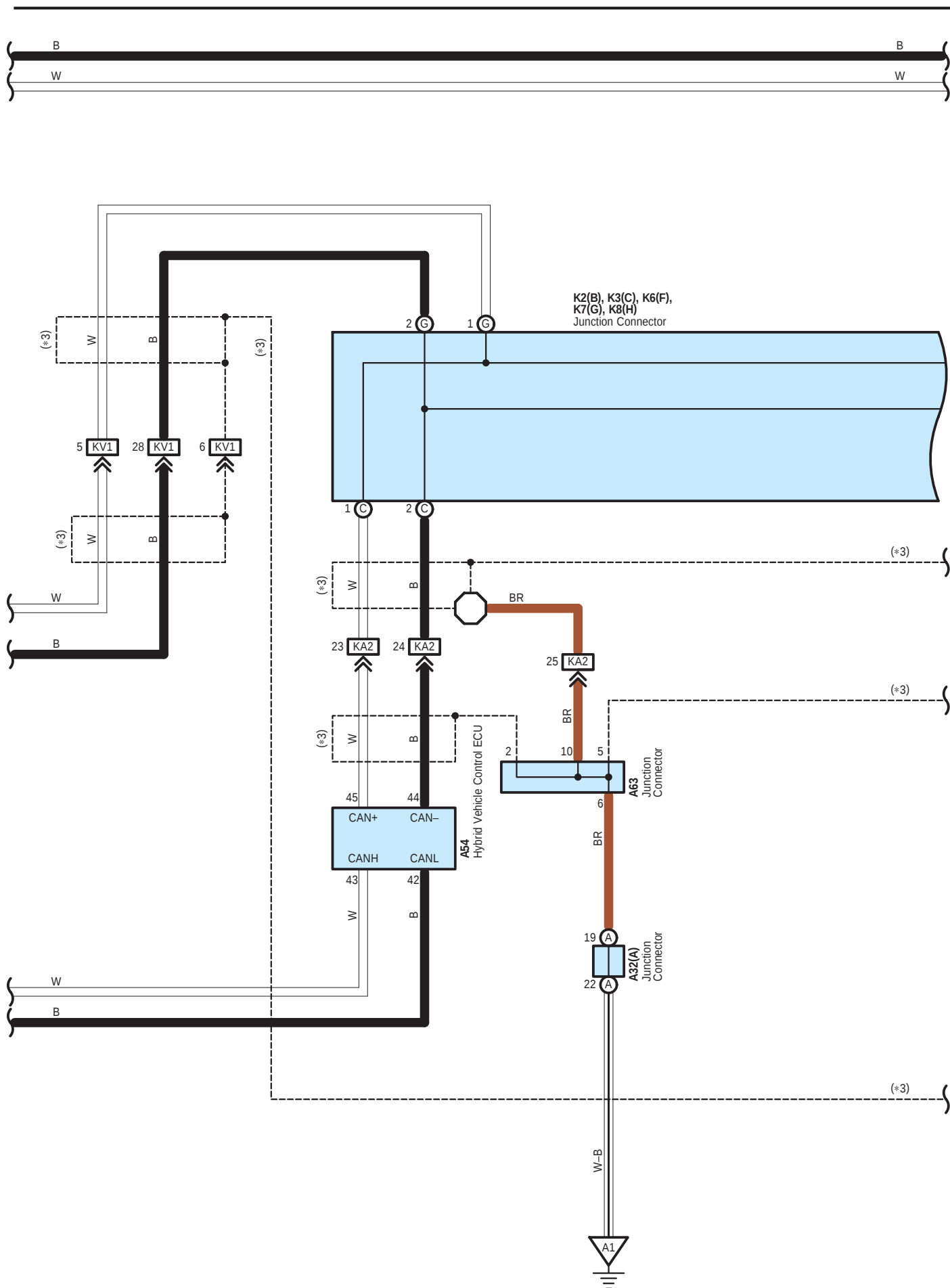


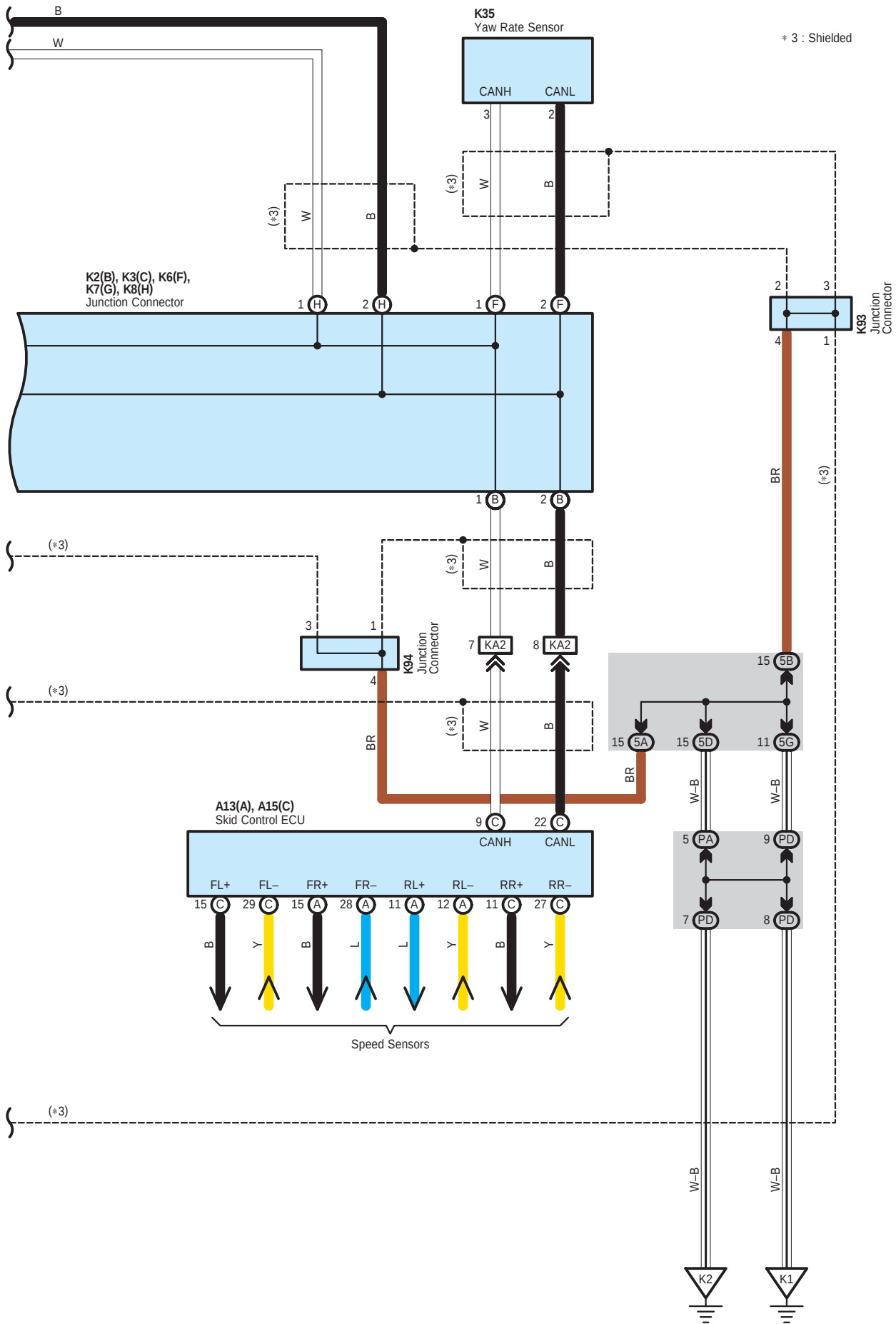












## System Outline

- \* To realize an optimal maneuverability of the driver, the steering gear ratio is calculated from the steering angle and vehicle speed signals to operate the actuator.
- \* When the system has abnormality, the power relay (Built in the ECU) is shut off and the assistance is stopped by inserting the lock bar (Built in the actuator), resulting in lighting the warning lamp (The master warning) in the meter.
- \* The front wheel turning angle is controlled according to signals from the skid control ECU.

## ○ : Parts Location

| Code |   | See Page | Code |   | See Page | Code |   | See Page |
|------|---|----------|------|---|----------|------|---|----------|
| A13  | A | 80       | K12  |   | 85       | K81  | I | 76, 86   |
| A15  | C | 80       | K16  |   | 85       | K83  | A | 78, 86   |
| A23  |   | 80       | K19  |   | 85       | K84  | B | 78, 86   |
| A29  |   | 84       | K26  |   | 85       | K91  |   | 86       |
| A32  | A | 84       | K31  |   | 85       | K92  |   | 86       |
| A33  | B | 84       | K35  |   | 85       | K93  |   | 86       |
| A40  | A | 84       | K44  |   | 86       | K94  |   | 86       |
| A54  |   | 80       | K45  |   | 86       | K95  |   | 86       |
| A59  |   | 80       | K52  |   | 86       | K96  |   | 86       |
| A63  |   | 84       | K66  |   | 86       | U25  |   | 90       |
| K2   | B | 74, 85   | K69  | B | 86       | V37  | A | 91       |
| K3   | C | 74, 85   | K70  | C | 86       | V38  | B | 91       |
| K6   | F | 74, 85   | K74  | A | 76, 86   | V39  |   | 91       |
| K7   | G | 74, 85   | K75  | C | 76, 86   |      |   |          |
| K8   | H | 74, 85   | K80  | H | 76, 86   |      |   |          |

## ○ : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location)            |
|------|----------|------------------------------------------------|
| 1    | 24       | 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)                                       |
|------|----------|--------------------------------------------------------------------------------------------|
| 1F   | 27       | Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment left)                   |
| 4A   | 70       | Instrument Panel Wire and Center J/B RH (Right Side of the Instrument Panel Reinforcement) |
| 4B   |          |                                                                                            |
| 4C   |          |                                                                                            |
| 4D   |          |                                                                                            |
| 4E   |          |                                                                                            |
| 4F   |          |                                                                                            |
| 4H   |          |                                                                                            |
| 4I   |          |                                                                                            |
| 4J   |          |                                                                                            |
| 4K   |          |                                                                                            |
| 4L   |          |                                                                                            |
| 5A   | 66       | Instrument Panel Wire and Center J/B LH (Right Side of the Instrument Panel Reinforcement) |
| 5B   |          |                                                                                            |
| 5D   |          |                                                                                            |
| 5G   |          |                                                                                            |
| 5J   |          |                                                                                            |
| 5L   |          |                                                                                            |
| DA   | 55       | Instrument Panel Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| DD   |          |                                                                                            |
| DK   | 56       | Engine Room Main Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| PA   | 49       | Instrument Panel Wire and Cowl Side J/B LH (Lower Finish Panel)                            |
| PD   |          |                                                                                            |
| PJ   | 50       | Floor No.2 Wire and Cowl Side J/B LH (Lower Finish Panel)                                  |
| PK   | 50       | Engine Room Main Wire and Cowl Side J/B LH (Lower Finish Panel)                            |



## : Connector Joining Wire Harness and Wire Harness

| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location)                     |
|------|----------|--------------------------------------------------------------------------------|
| AU1  | 97       | Engine Room Main Wire and Floor No.1 Wire (Cowl Side Panel RH)                 |
| KA2  | 97       | Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)              |
| KA3  | 97       | Instrument Panel Wire and Engine Room Main Wire (Right Kick Panel)             |
| KU2  | 97       | Instrument Panel Wire and Floor No.1 Wire (Right Kick Panel)                   |
| KV1  | 97       | Instrument Panel Wire and Floor No.2 Wire (Left Kick Panel)                    |
| UV1  | 98       | Floor No.1 Wire and Floor No.2 Wire (Center of the Rear Floor Partition Panel) |



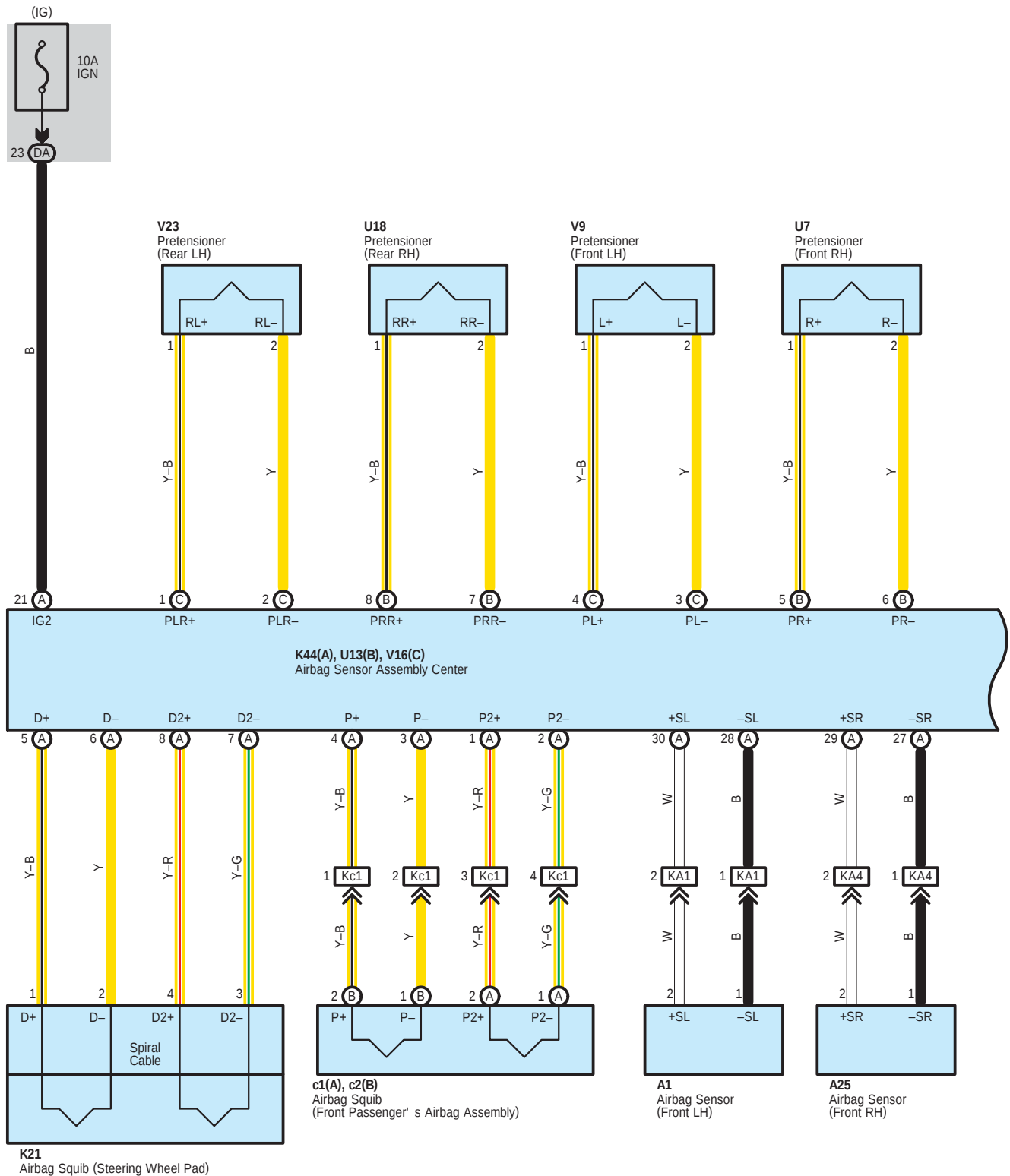
## : Ground Points

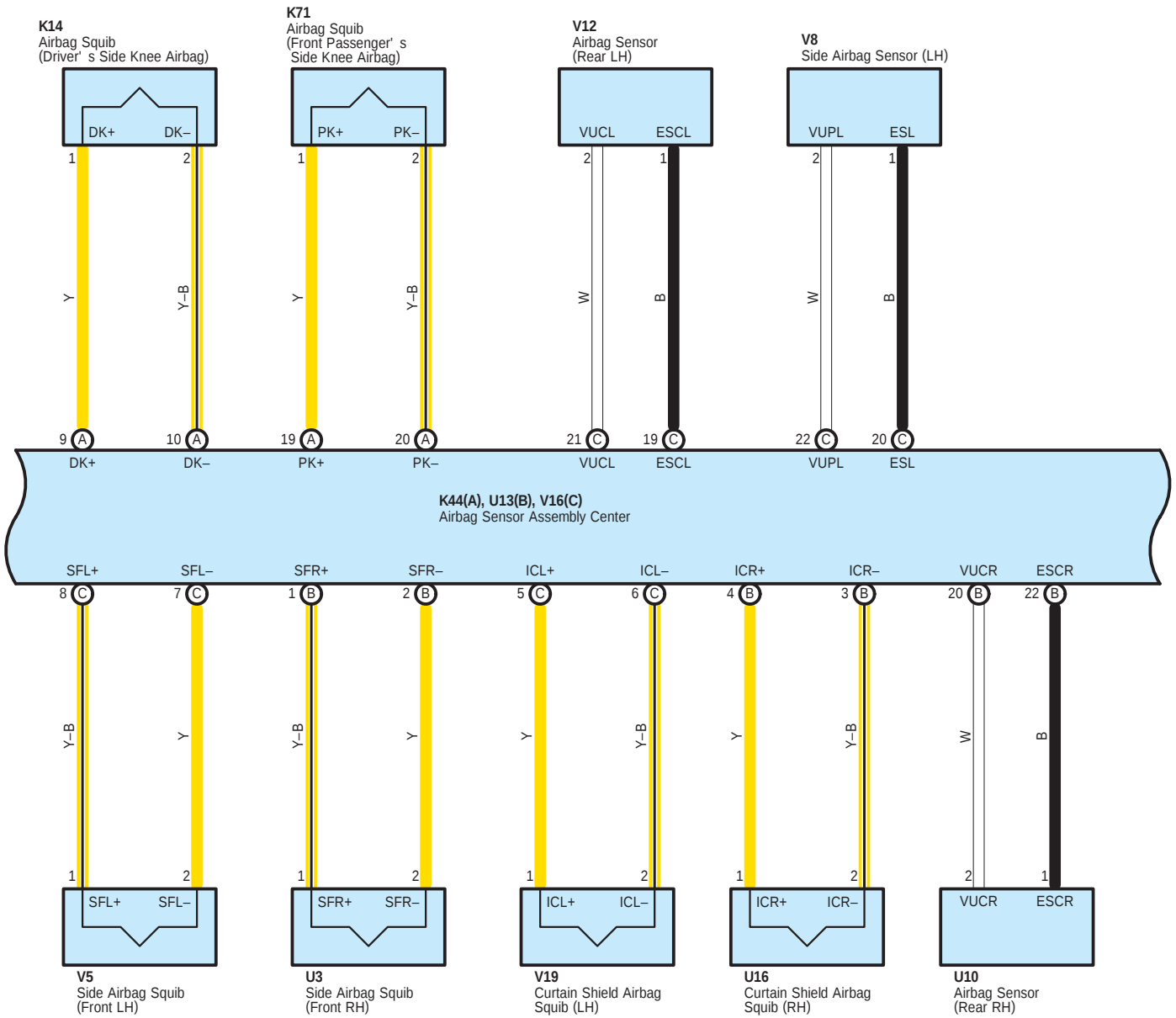
| Code | See Page | Ground Points Location                       |
|------|----------|----------------------------------------------|
| A1   | 96       | Left Side of the Dash Panel                  |
| A4   | 96       | Front Right Fender Apron                     |
| K1   | 97       | Left Kick Panel                              |
| K2   | 97       | Left Side of the Shift Lever                 |
| K4   | 97       | Right Kick Panel                             |
| U2   | 98       | Right Side of the Rear Floor Partition Panel |

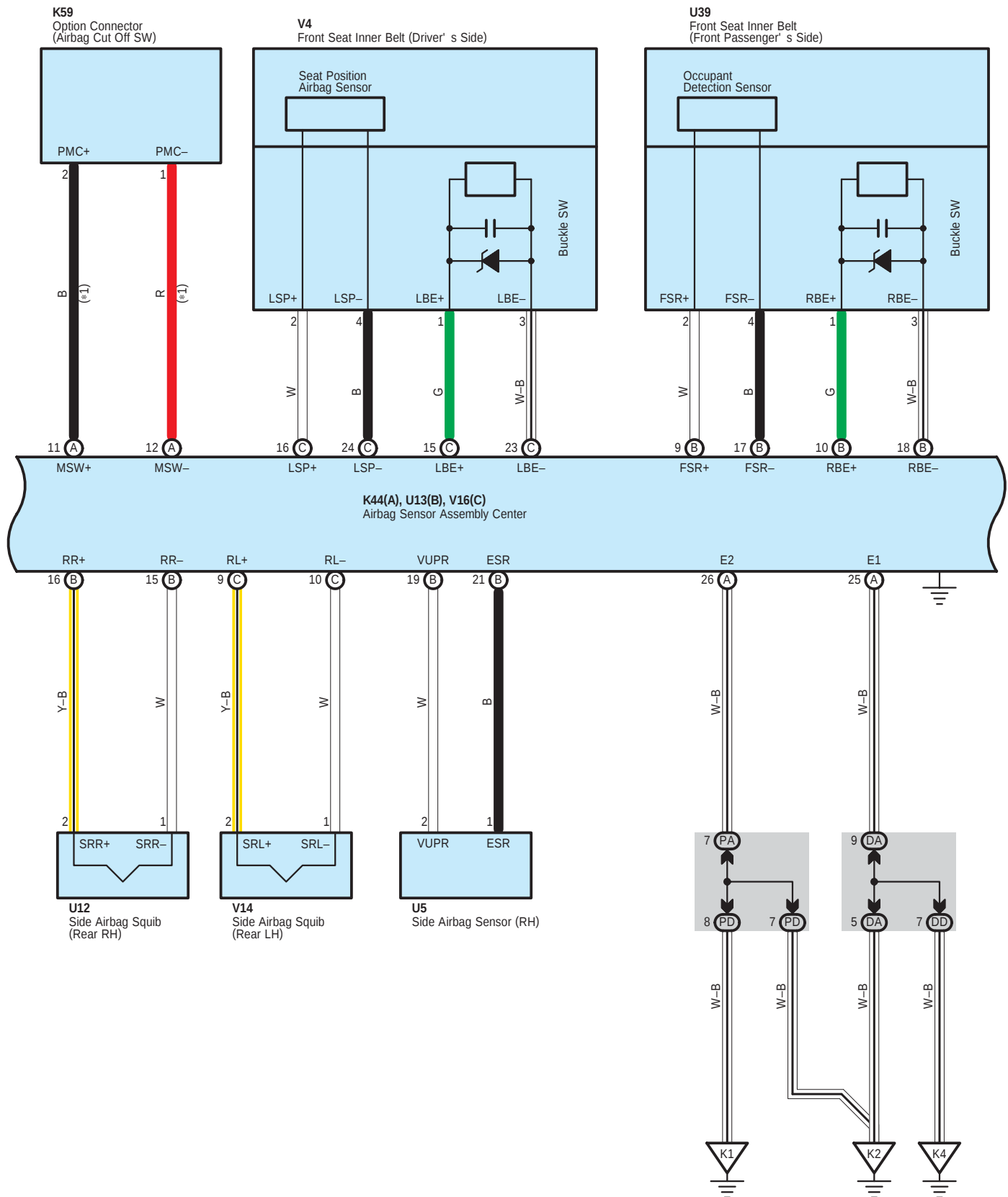
NOTICE: When inspecting or repairing the SRS, perform service in accordance with the following precautionary instructions and the procedure, and precautions in the Repair Manual applicable for the model year.

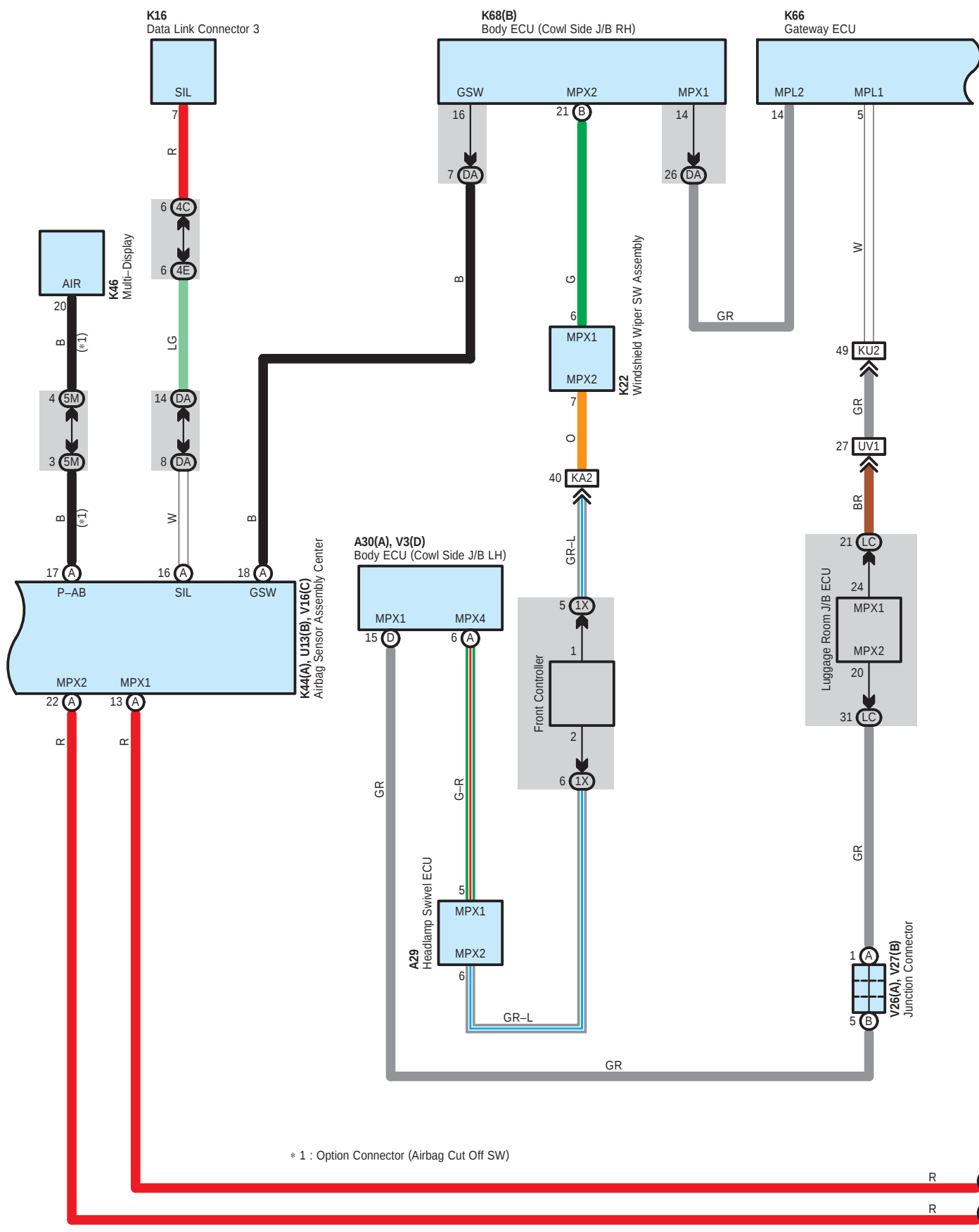
- Malfunction symptoms of the SRS are difficult to confirm, so the DTCs become the most important source of information when troubleshooting. When troubleshooting the SRS, always inspect the DTCs before disconnecting the battery.
- **Work must be started more than 90 seconds after the power SW is pushed to the "OFF" 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 deploy.)
- When the negative (-) terminal cable is disconnected from the battery, the memory of the clock and audio system will be cleared. So before starting work, make a record of the contents in the audio memory system. When work is finished, reset the audio systems as they were before and adjust the clock. Some vehicles have power tilt steering, power telescopic steering, power seat and power outside rear view mirror which are all equipped with memory function. However, it is not possible to make a record of these memory contents. So when the work is finished, it will be necessary to explain it to your customer, and ask the customer to adjust the features and reset the memory. To avoid erasing the memory in each system, never use a back-up power supply from outside the vehicle.
- Before repair, remove the airbag sensor if shocks are likely to be applied to the sensor during repair.
- Do not expose the following parts directly to hot air or flame;
- Even in cases of a minor collision where the SRS does not deploy, the following parts should be inspected;
- Never use SRS parts from another vehicle. When replacing parts, replace with new parts.
- For the purpose of reuse, never disassemble and repair the following parts.
- If the following parts have been dropped, or have cracks, dents and other defects in their case, bracket, and connector, replace with new one.
- Use a volt/ohmmeter with high impedance (10 k $\Omega$ /V minimum) for troubleshooting electrical circuits of the system.
- Information labels are attached to the periphery of the SRS components. Follow the instructions of the notice.
- After work on the SRS is completed, check the SRS warning light.
- If the vehicle is equipped with a mobile communication system, refer to the precaution in the IN section of the Repair Manual.

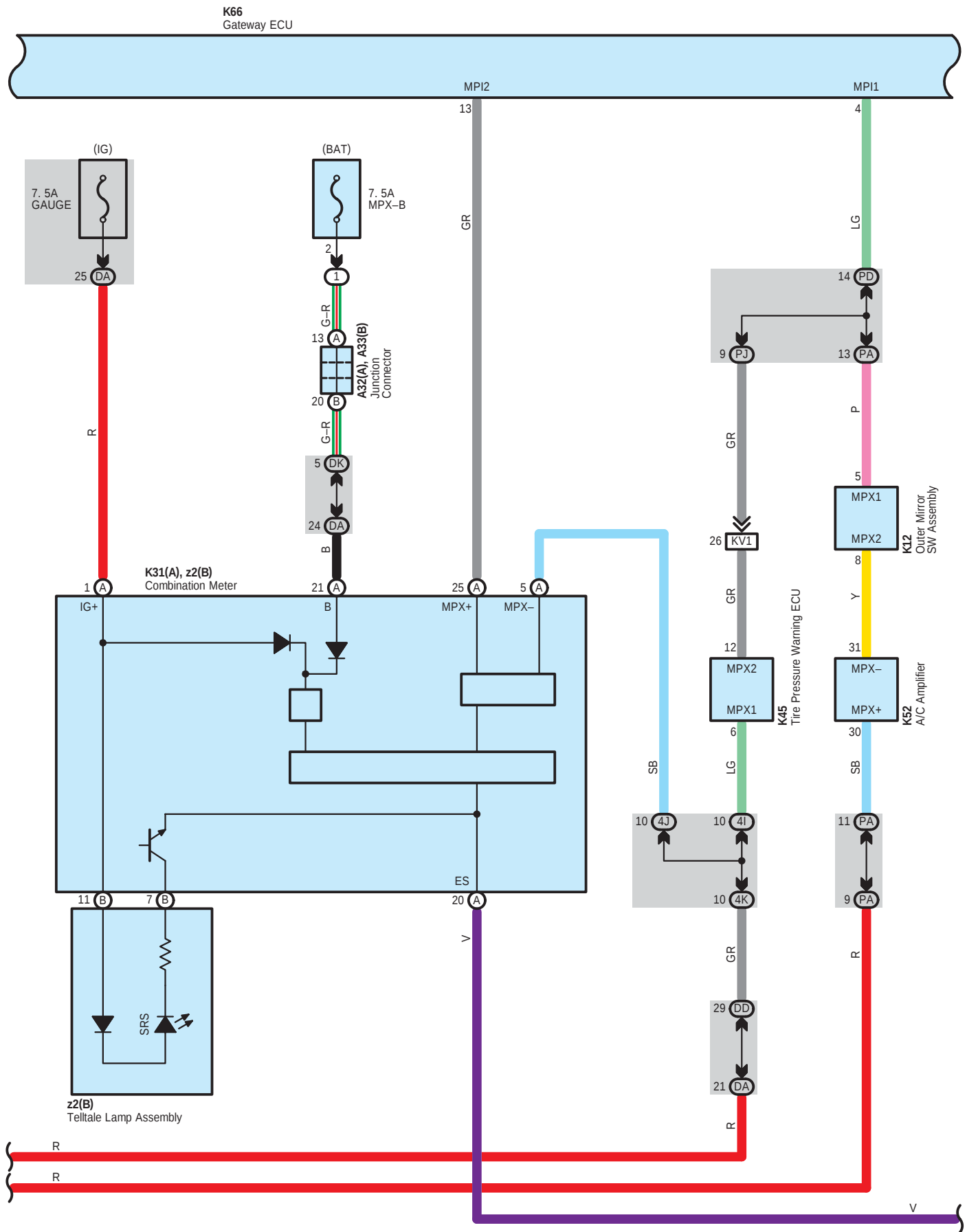
- \* Steering wheel pad
- \* Front passenger airbag assembly
- \* Side airbag assembly
- \* Curtain shield airbag assembly
- \* Knee airbag assembly
- \* Seat belt pretensioner
- \* Center airbag sensor assembly
- \* Front airbag sensor assembly
- \* Side airbag sensor assembly
- \* Rear airbag sensor assembly

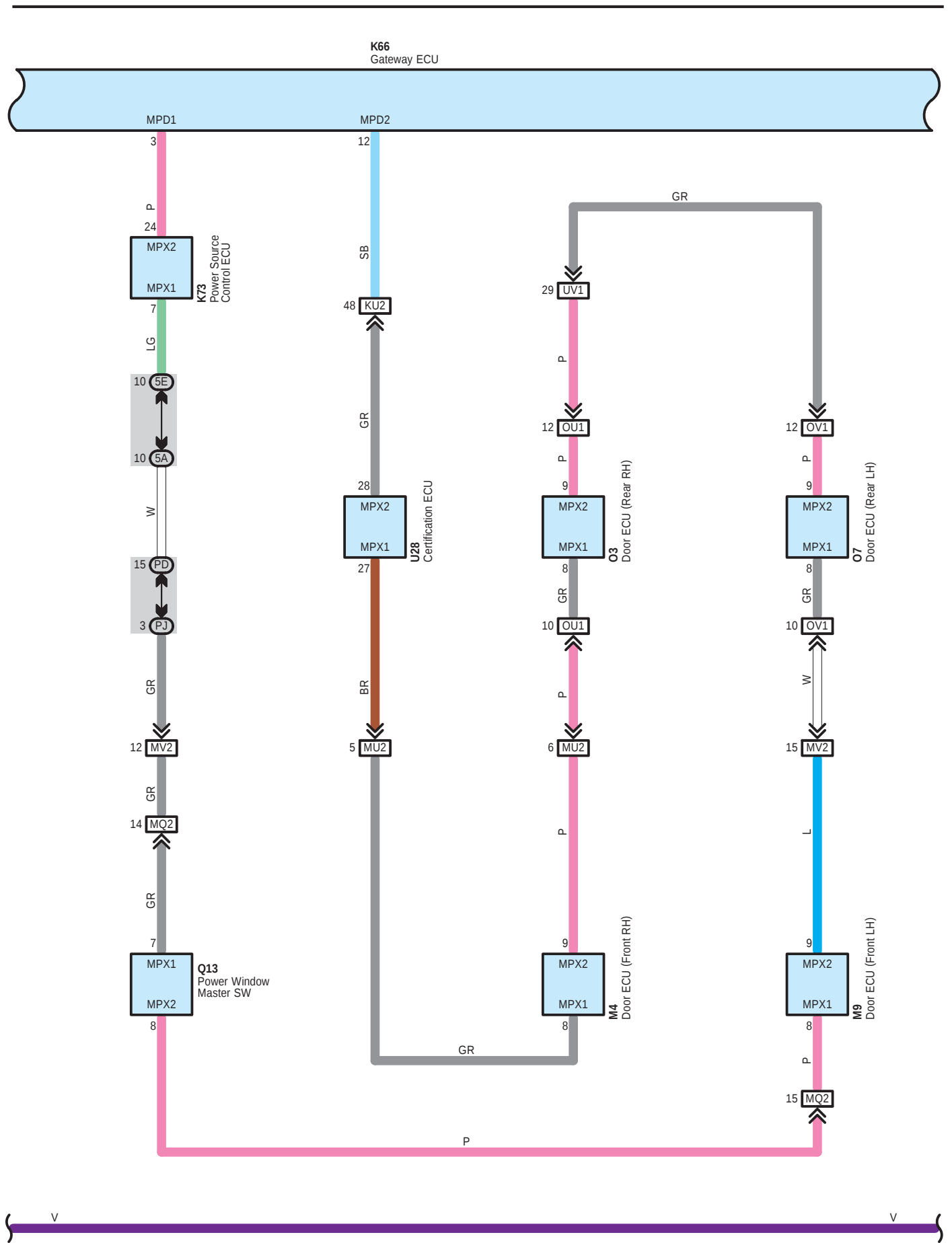


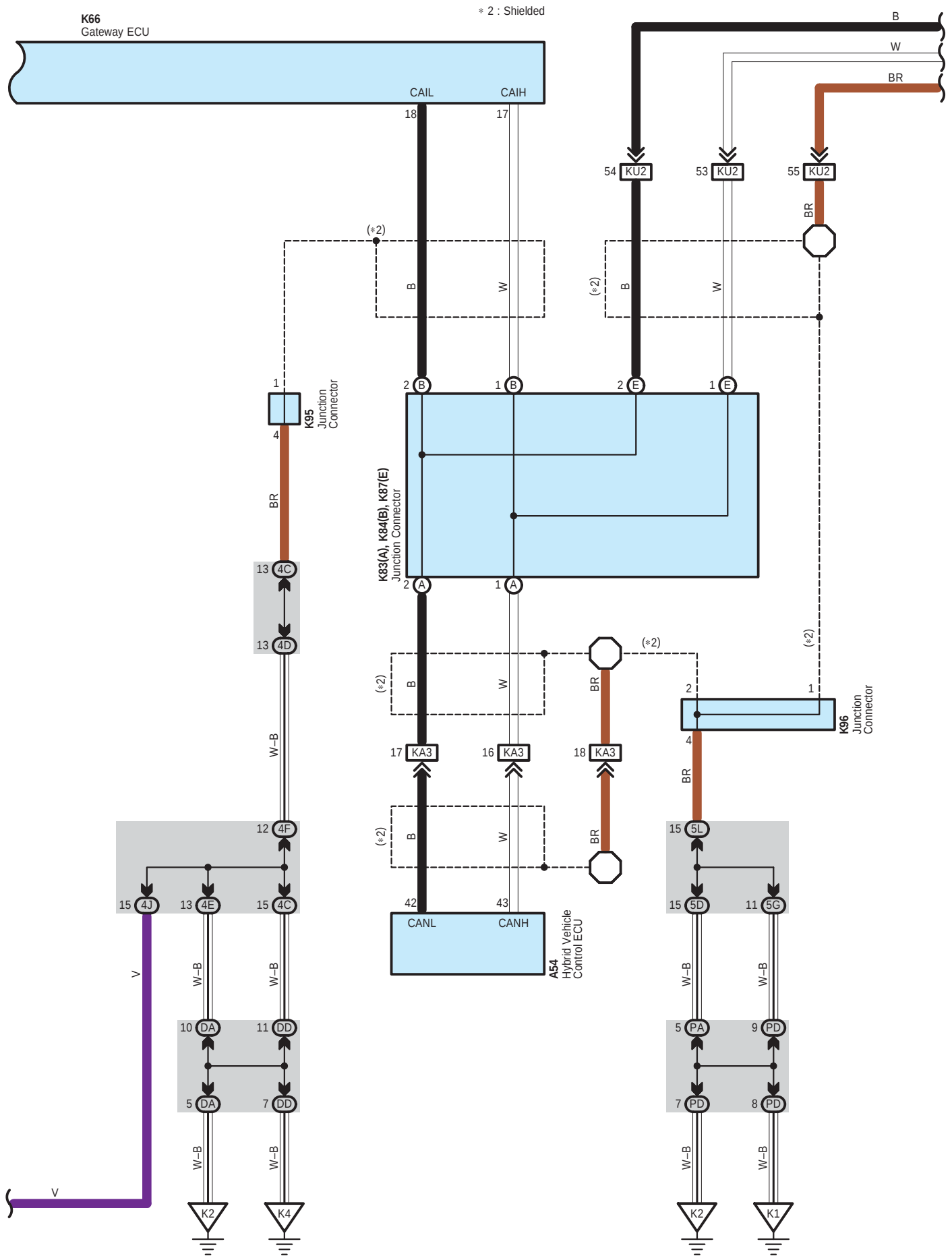


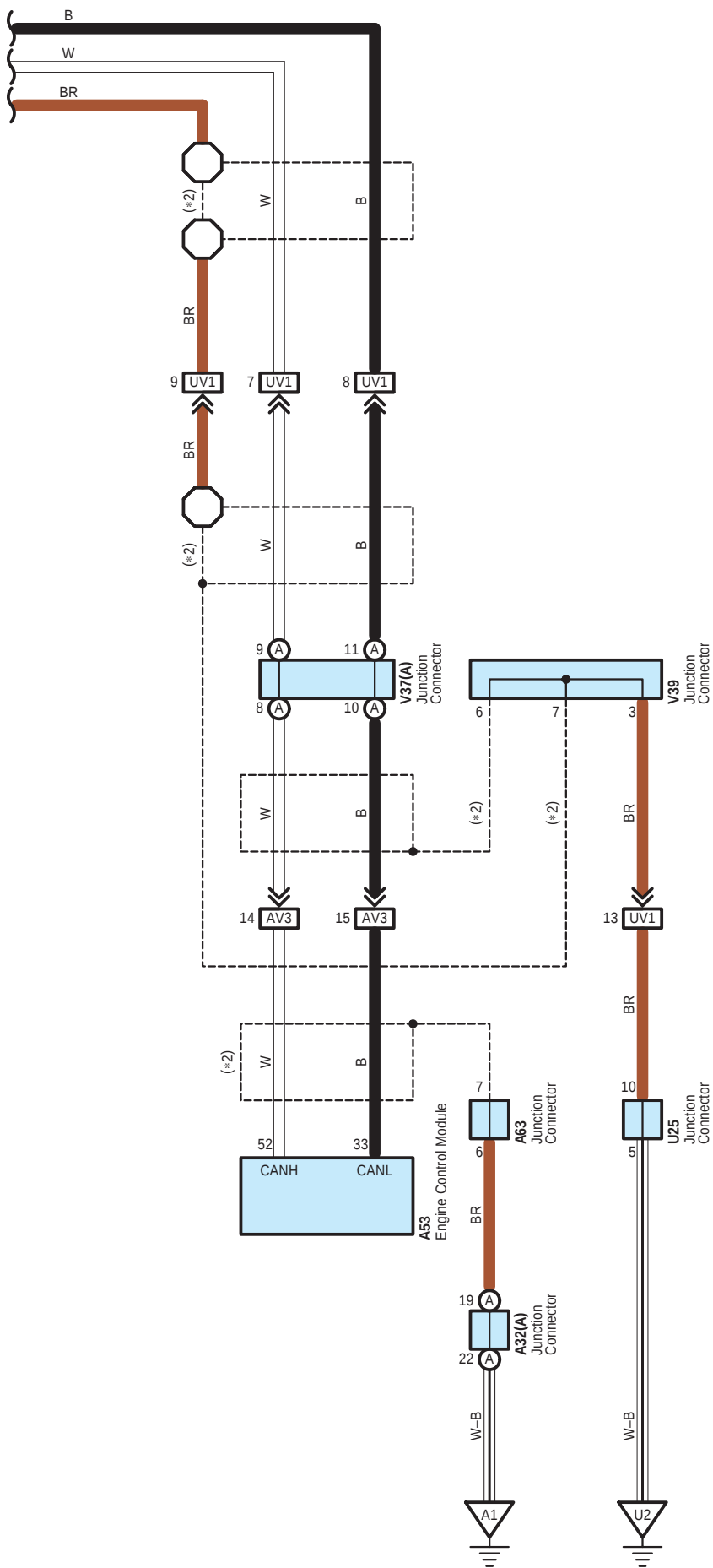












## System Outline

- \* The system reaches an ignition judgment to deploy the following device based on the signals received from the front airbag sensor and deceleration sensor.
  - Driver Airbag
  - Front Passenger Airbag
  - Knee Airbag
  - Seat Belt Pretensioner
- \* The system reaches an ignition judgment to deploy the following device based on the signals received from the side airbag sensors.
  - Side Airbags
  - Curtain Shield Airbags
- \* The dual-stage SRS airbag system has been used for the driver and front passenger airbags. This system controls the optimal airbag inflation by judging the extent of impact, seat position (driver seat) and whether or not the seat belt is fastened(driver seat)
- \* The Airbag sensor assembly transmits a signal to the Body ECU in order to release the door lock.
- \* The airbag sensor assembly transmits a signal to the Hybrid Vehicle Control ECU in order to control hybrid high voltage cut off.

## ○ : Parts Location

| Code    | See Page | Code    | See Page | Code    | See Page |
|---------|----------|---------|----------|---------|----------|
| A1      | 80       | K68   B | 86       | U25     | 90       |
| A25     | 80       | K71     | 86       | U28     | 90       |
| A29     | 84       | K73     | 86       | U39     | 94       |
| A30   A | 84       | K83   A | 78, 86   | V3   D  | 87       |
| A32   A | 84       | K84   B | 78, 86   | V4      | 94       |
| A33   B | 84       | K87   E | 78, 86   | V5      | 94       |
| A53     | 80       | K95     | 86       | V8      | 91       |
| A54     | 80       | K96     | 86       | V9      | 91       |
| A63     | 84       | M4      | 88       | V12     | 91       |
| K12     | 85       | M9      | 88       | V14     | 91       |
| K14     | 85       | O3      | 88       | V16   C | 87       |
| K16     | 85       | O7      | 88       | V19     | 91       |
| K21     | 85       | Q13     | 89       | V23     | 91       |
| K22     | 85       | U3      | 94       | V26   A | 91       |
| K31   A | 85       | U5      | 90       | V27   B | 91       |
| K44   A | 86       | U7      | 90       | V37   A | 91       |
| K45     | 86       | U10     | 90       | V39     | 91       |
| K46     | 86       | U12     | 90       | c1   A  | 87       |
| K52     | 86       | U13   B | 87       | c2   B  | 87       |
| K59     | 86       | U16     | 90       | z2   B  | 87       |
| K66     | 86       | U18     | 90       |         |          |

## ○ : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location)            |
|------|----------|------------------------------------------------|
| 1    | 24       | 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)                                       |
|------|----------|--------------------------------------------------------------------------------------------|
| 1X   | 29       | Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment left)                   |
| 4C   | 70       | Instrument Panel Wire and Center J/B RH (Right Side of the Instrument Panel Reinforcement) |
| 4D   |          |                                                                                            |
| 4E   |          |                                                                                            |
| 4F   |          |                                                                                            |
| 4I   |          |                                                                                            |
| 4J   |          |                                                                                            |
| 4K   |          |                                                                                            |
| 5A   | 66       | Instrument Panel Wire and Center J/B LH (Right Side of the Instrument Panel Reinforcement) |
| 5D   |          |                                                                                            |
| 5E   |          |                                                                                            |
| 5G   |          |                                                                                            |
| 5L   |          |                                                                                            |
| 5M   |          |                                                                                            |
| DA   | 55       | Instrument Panel Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| DD   |          |                                                                                            |
| DK   | 56       | Engine Room Main Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| LC   | 63       | Floor No.2 Wire and Luggage Room J/B (Left Side of the Quarter Panel )                     |
| PA   | 49       | Instrument Panel Wire and Cowl Side J/B LH (Lower Finish Panel)                            |
| PD   |          |                                                                                            |
| PJ   | 50       | Floor No.2 Wire and Cowl Side J/B LH (Lower Finish Panel)                                  |

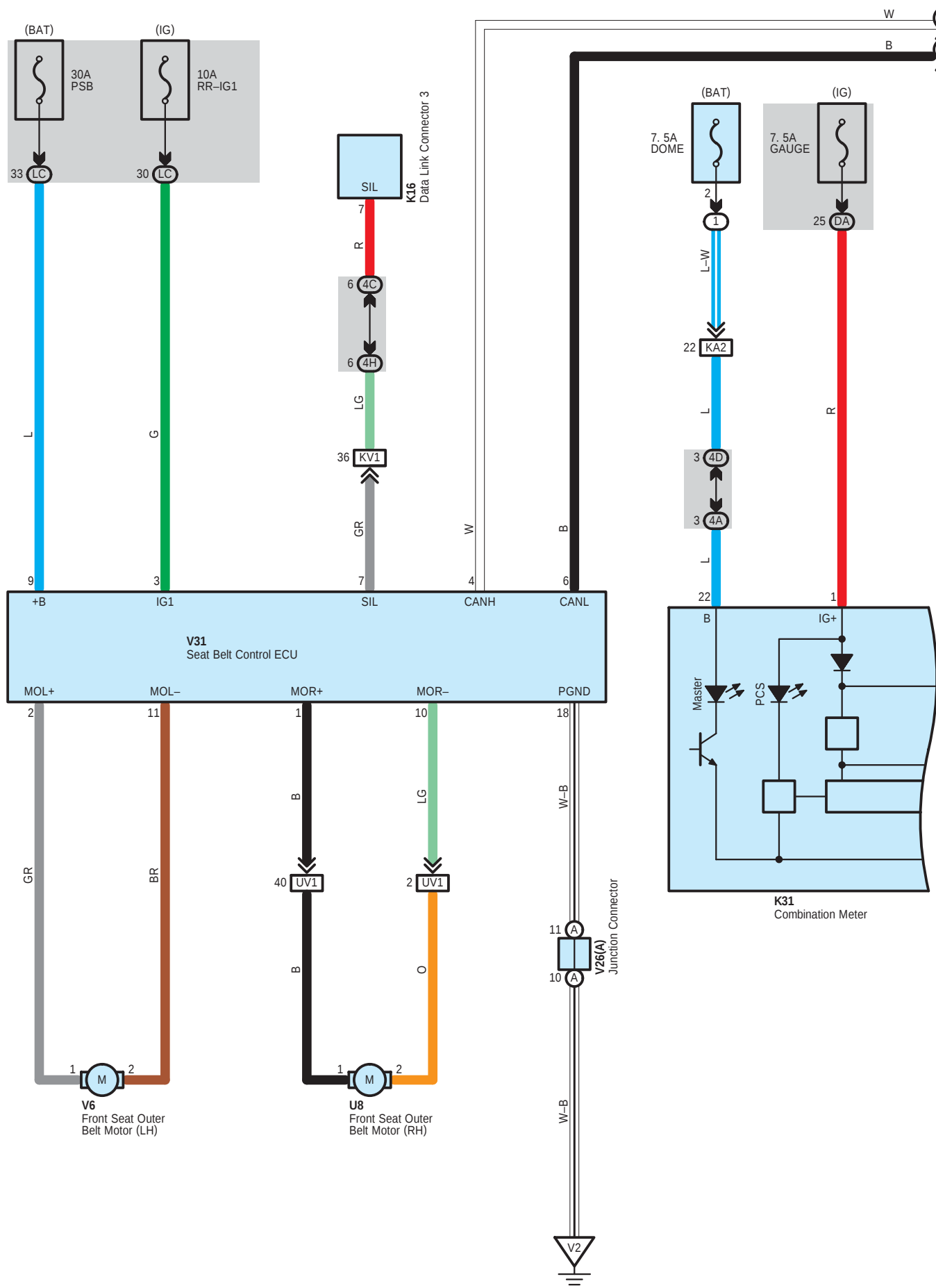
**: Connector Joining Wire Harness and Wire Harness**

| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location)                     |
|------|----------|--------------------------------------------------------------------------------|
| AV3  | 97       | Engine Room Main Wire and Floor No.2 Wire (Cowl Side Panel LH)                 |
| KA1  | 97       | Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)              |
| KA2  |          |                                                                                |
| KA3  | 97       | Instrument Panel Wire and Engine Room Main Wire (Right Kick Panel)             |
| KA4  |          |                                                                                |
| KU2  | 97       | Instrument Panel Wire and Floor No.1 Wire (Right Kick Panel)                   |
| KV1  | 97       | Instrument Panel Wire and Floor No.2 Wire (Left Kick Panel)                    |
| Kc1  | 97       | Instrument Panel Wire and Instrument Panel Wire Assembly (Upper the Glove Box) |
| MQ2  | 98       | Front Door LH Wire and Front Door LH No.2 Wire (Front Door Inner Panel LH)     |
| MU2  | 97       | Front Door RH Wire and Floor No.1 Wire (Right Kick Panel)                      |
| MV2  | 97       | Front Door LH Wire and Floor No.2 Wire (Left Kick Panel)                       |
| OU1  | 98       | Rear Door No.1 Wire and Floor No.1 Wire (Right Center Pillar)                  |
| OV1  | 98       | Rear Door No.2 Wire and Floor No.2 Wire (Left Center Pillar)                   |
| UV1  | 98       | Floor No.1 Wire and Floor No.2 Wire (Center of the Rear Floor Partition Panel) |

**: Ground Points**

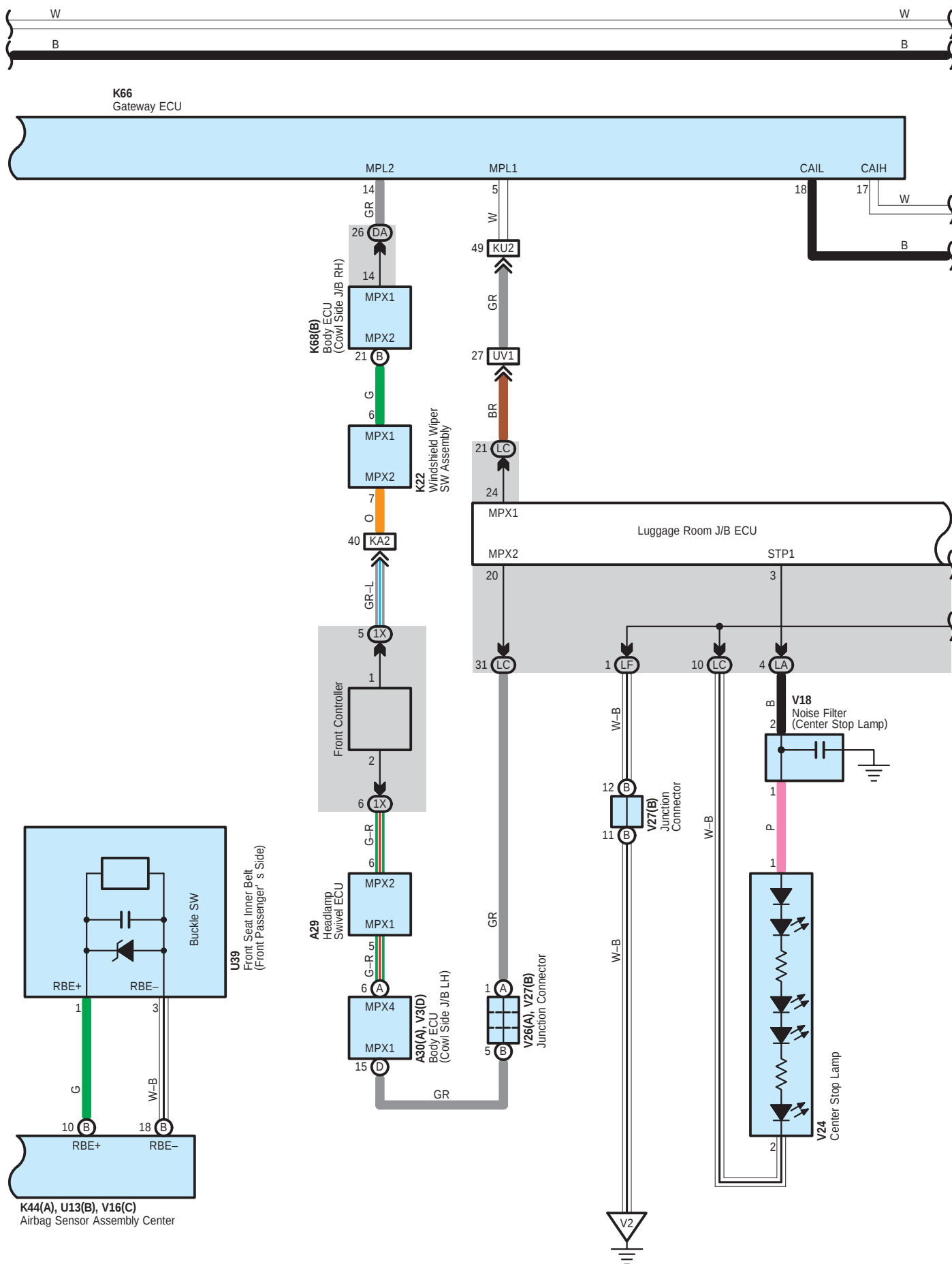
| Code | See Page | Ground Points Location                       |
|------|----------|----------------------------------------------|
| A1   | 96       | Left Side of the Dash Panel                  |
| K1   | 97       | Left Kick Panel                              |
| K2   | 97       | Left Side of the Shift Lever                 |
| K4   | 97       | Right Kick Panel                             |
| U2   | 98       | Right Side of the Rear Floor Partition Panel |

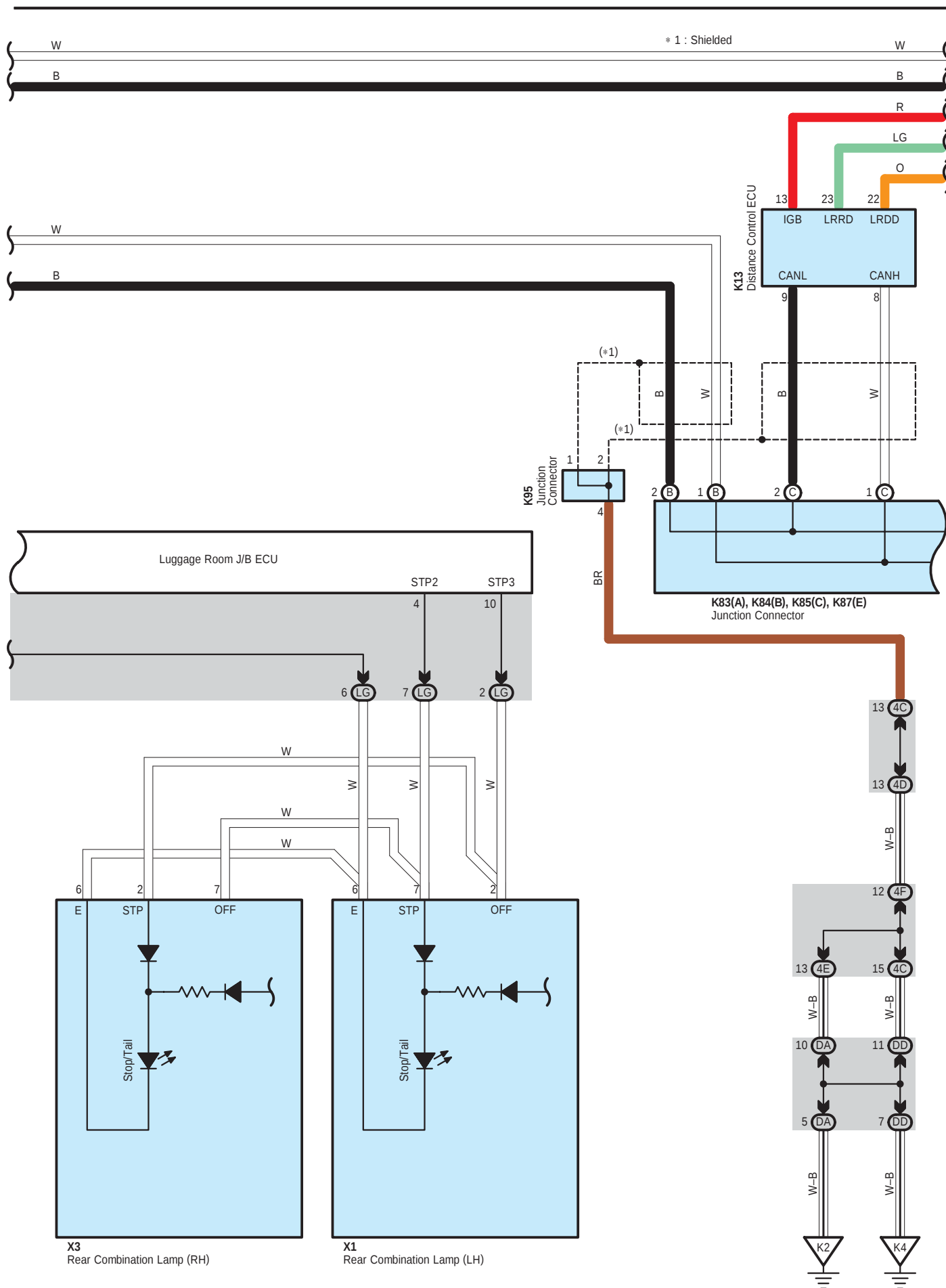
# Pre-Collision System



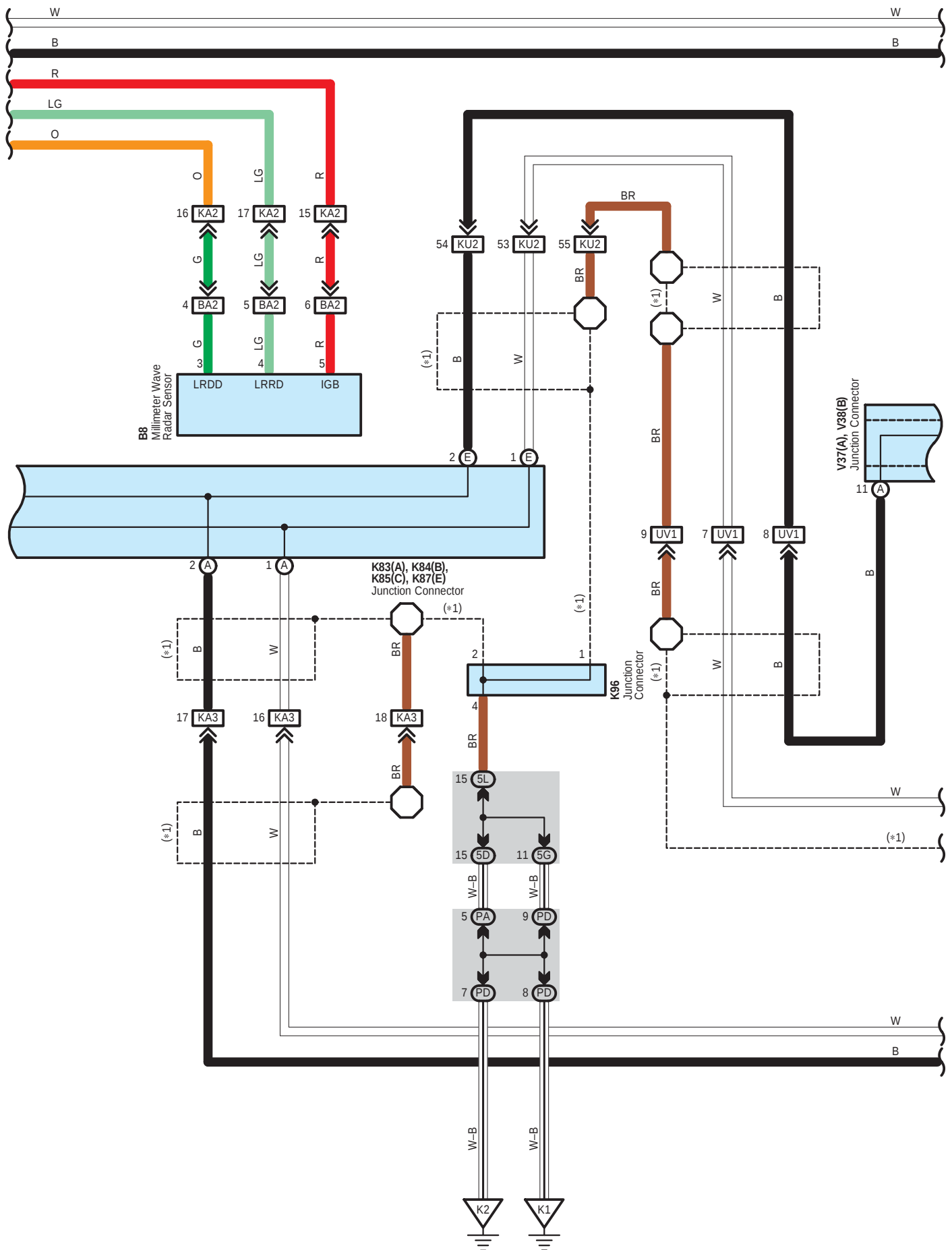


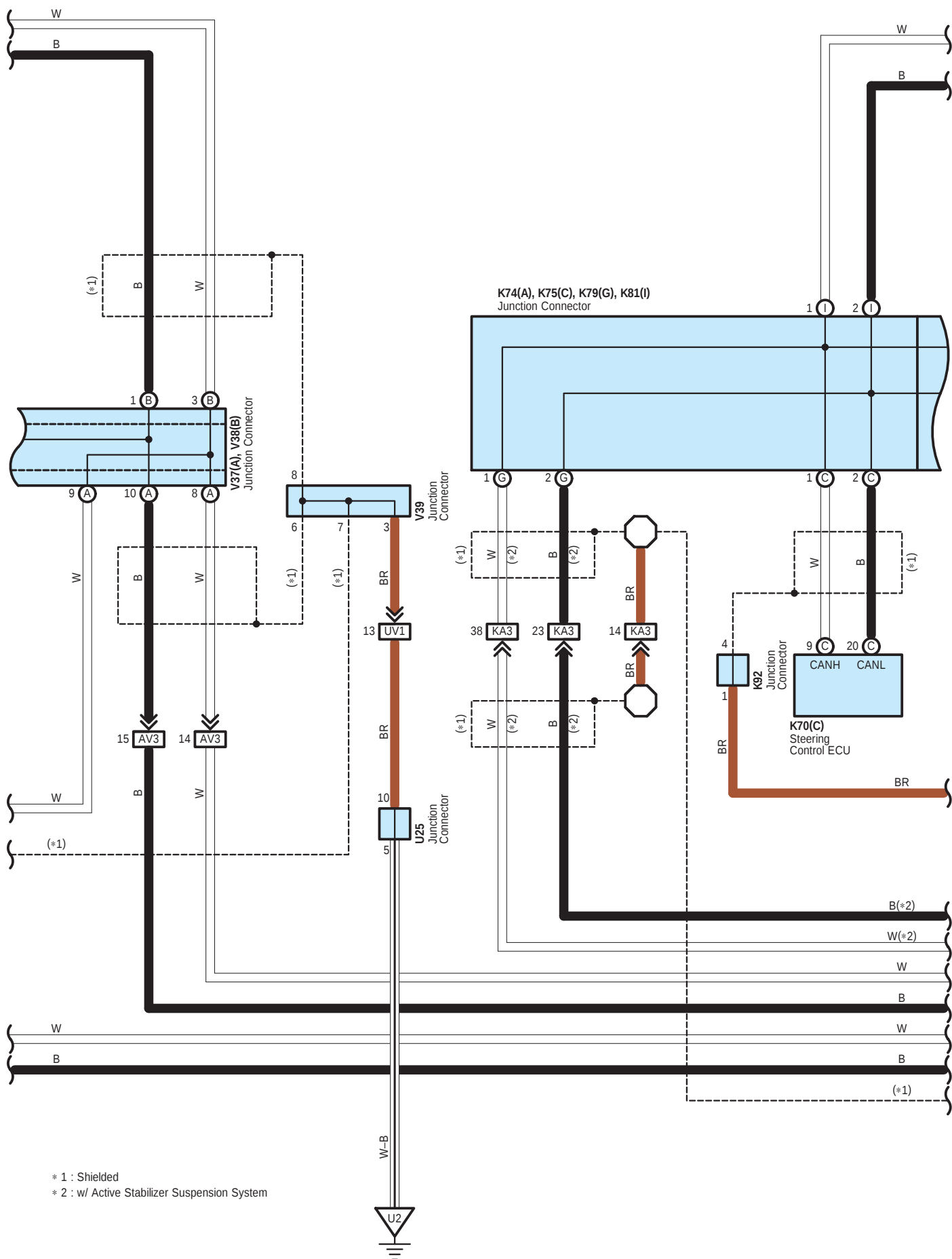
# Pre-Collision System



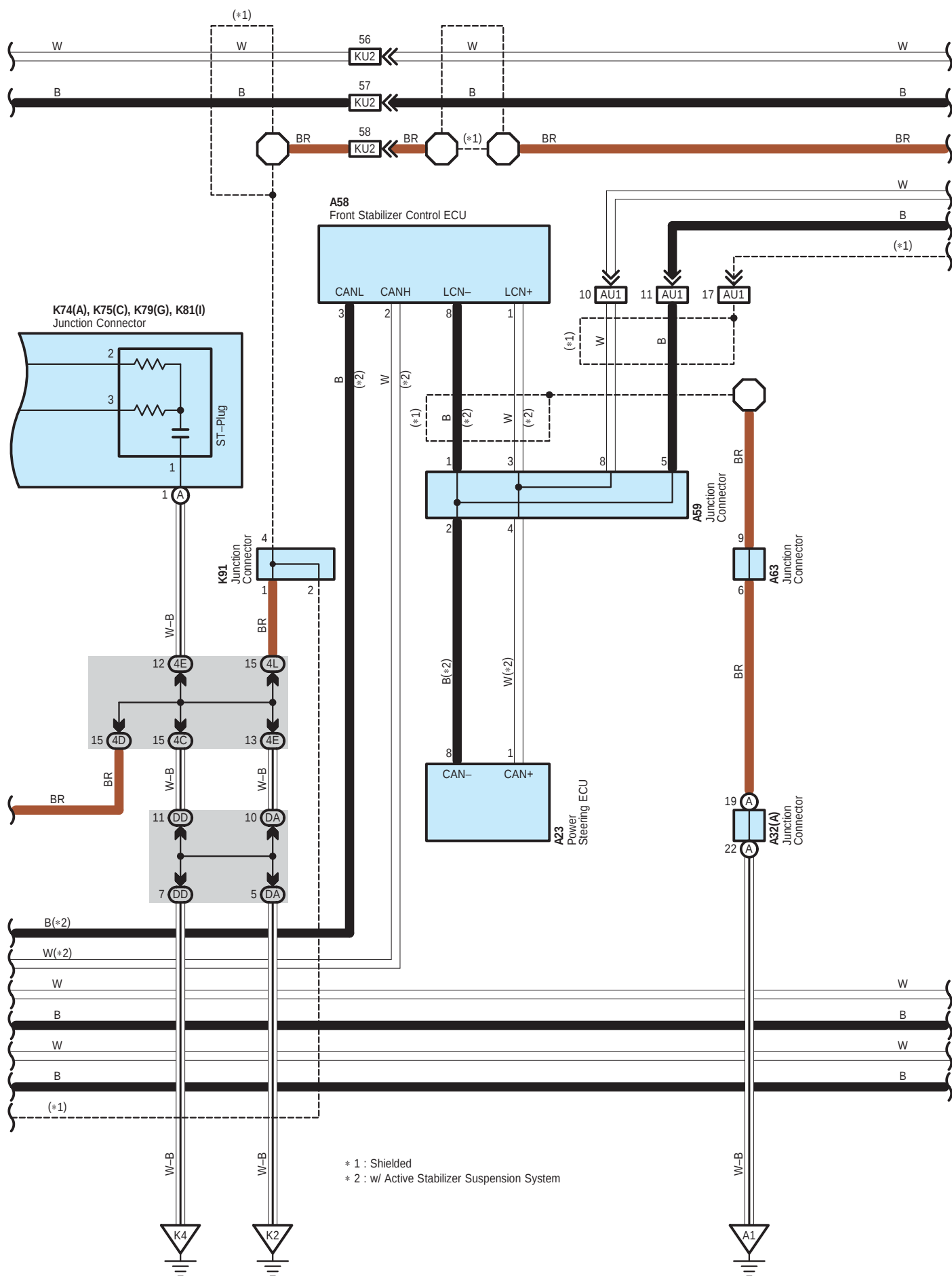


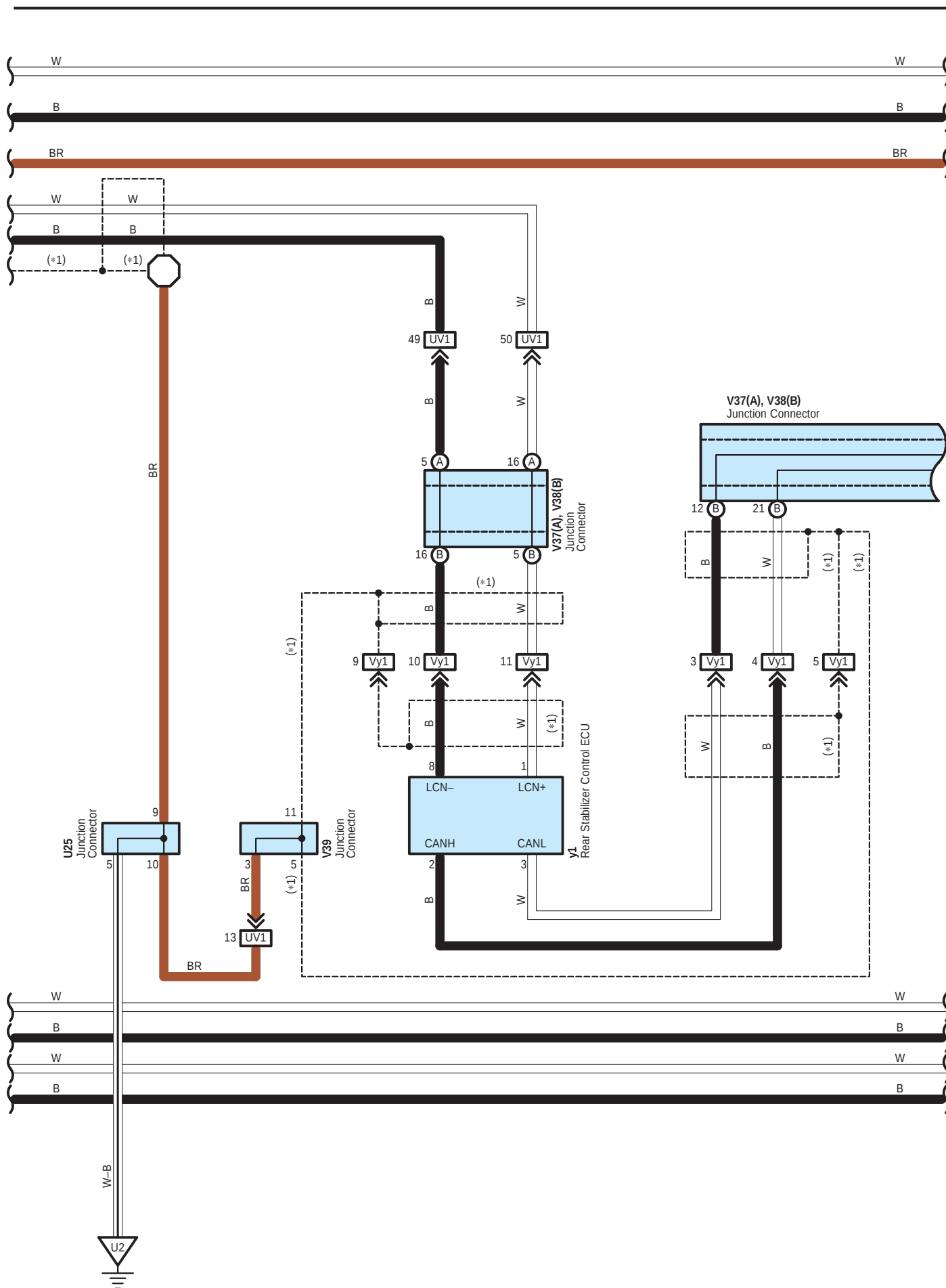
# Pre-Collision System



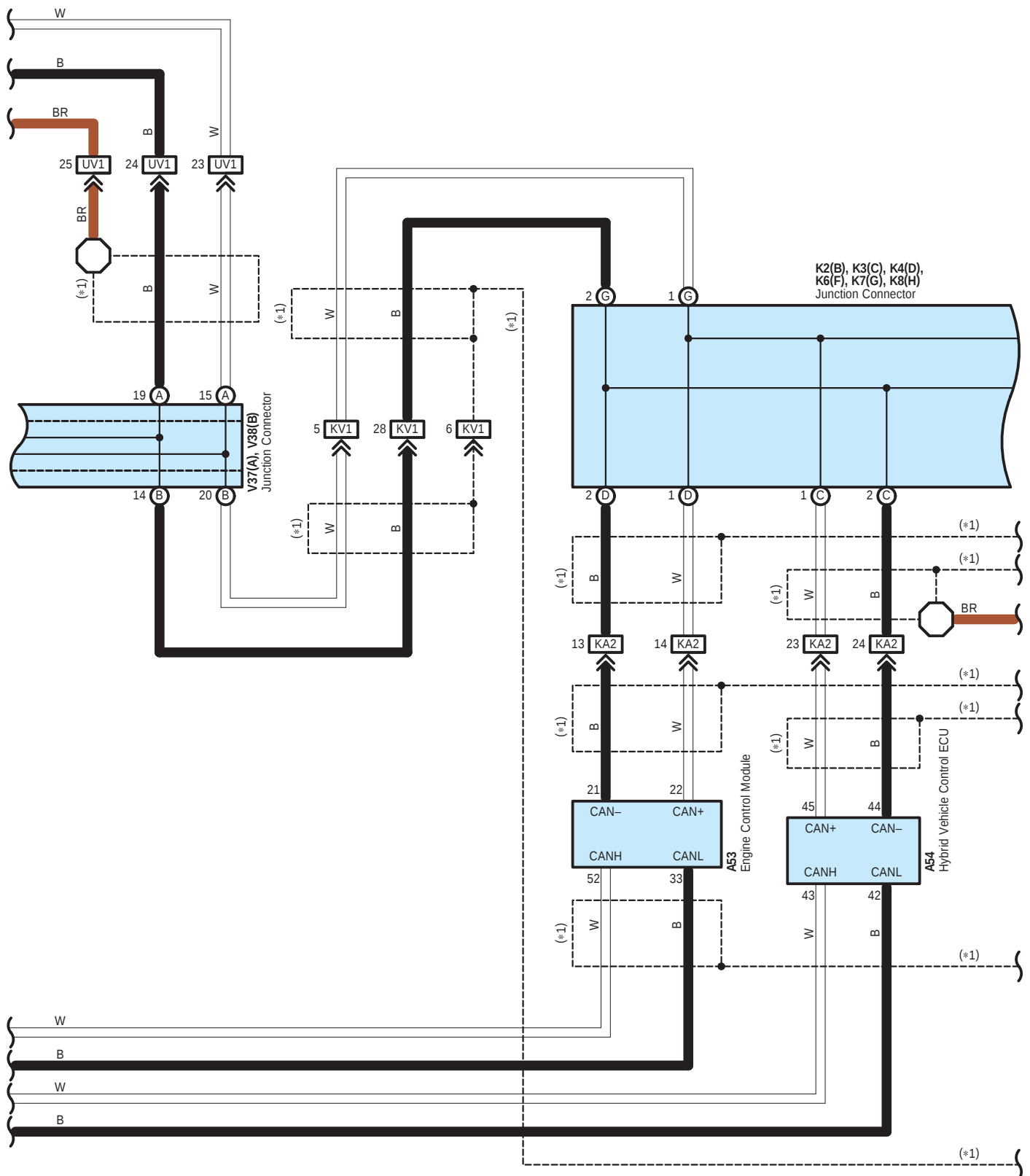


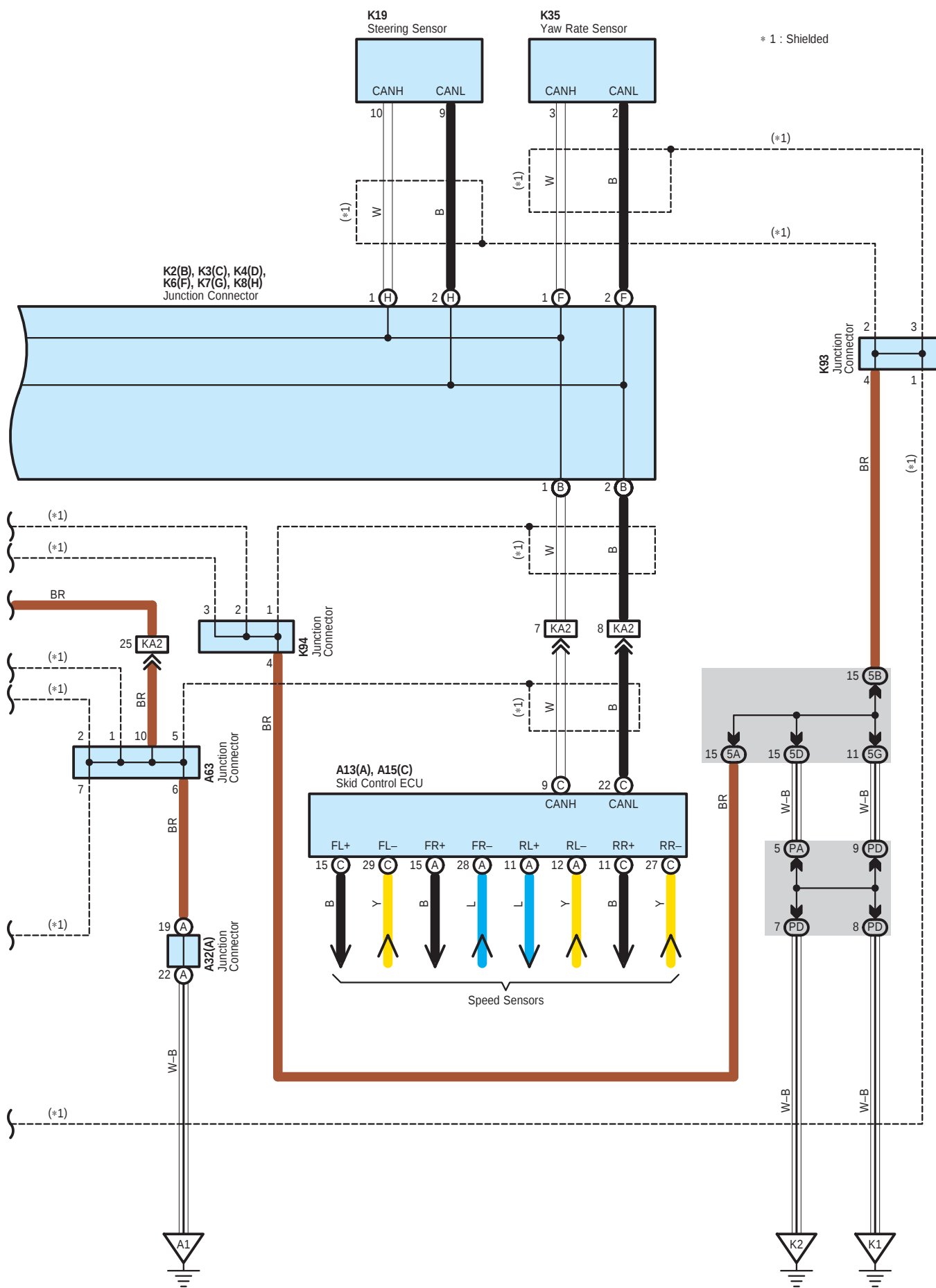
# Pre-Collision System





# Pre-Collision System





# Pre-Collision System

## System Outline

- \* In the pre-collision (Hereinafter called PCS), the seat belt is retracted to optimize the restraint performance with the motor by receiving signal from the pre-collision sensor (Millimeter wave radar sensor + distance control ECU) and skid control ECU.
- \* Skid control ECU sends trigger signal to seat belt control ECU through CAN communication when detecting certain vehicle conditions such as spin condition, under-steer condition and sudden braking. Seat belt control ECU operates PCS upon receiving the signal.
- \* Pre-collision sensor detects an on-coming vehicle or object on the road ahead with the millimeter wave radar and determines in advance whether a collision is unavoidable from information of the distance control ECU such as the position, speed and on-coming route of the object. The distance control ECU sends signal to seat belt control ECU through CAN communication to activate PCS motor to retract the seat belt before a crash. This function works when the vehicle speed is more than 5 km/h if conditions are right.
- \* When the pre-collision system has failure, 'CHECK PCS SYSTEM' is shown on the multi-information display in the meter. The warning lamp exclusively for PCS is lit up then. When the system is not available due to dirt on the radar, 'PCS NOT AVAILABLE NOW' is displayed and the warning lamp blinks.

## ○ : Parts Location

| Code |   | See Page | Code |   | See Page | Code |   | See Page |
|------|---|----------|------|---|----------|------|---|----------|
| A13  | A | 80       | K19  |   | 85       | K95  |   | 86       |
| A15  | C | 80       | K22  |   | 85       | K96  |   | 86       |
| A23  |   | 80       | K31  |   | 85       | U8   |   | 90       |
| A29  |   | 84       | K35  |   | 85       | U13  | B | 87       |
| A30  | A | 84       | K44  | A | 86       | U25  |   | 90       |
| A32  | A | 84       | K45  |   | 86       | U39  |   | 94       |
| A33  | B | 84       | K52  |   | 86       | V3   | D | 87       |
| A53  |   | 80       | K66  |   | 86       | V4   |   | 94       |
| A54  |   | 80       | K68  | B | 86       | V6   |   | 91       |
| A58  |   | 80       | K70  | C | 86       | V16  | C | 87       |
| A59  |   | 80       | K74  | A | 76, 86   | V18  |   | 91       |
| A63  |   | 84       | K75  | C | 76, 86   | V24  |   | 91       |
| B8   |   | 82       | K79  | G | 76, 86   | V26  | A | 91       |
| K2   | B | 74, 85   | K81  | I | 76, 86   | V27  | B | 91       |
| K3   | C | 74, 85   | K83  | A | 78, 86   | V31  |   | 91       |
| K4   | D | 74, 85   | K84  | B | 78, 86   | V37  | A | 91       |
| K6   | F | 74, 85   | K85  | C | 78, 86   | V38  | B | 91       |
| K7   | G | 74, 85   | K87  | E | 78, 86   | V39  |   | 91       |
| K8   | H | 74, 85   | K91  |   | 86       | X1   |   | 92       |
| K12  |   | 85       | K92  |   | 86       | X3   |   | 92       |
| K13  |   | 85       | K93  |   | 86       | y1   |   | 93       |
| K16  |   | 85       | K94  |   | 86       |      |   |          |

## ○ : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location)            |
|------|----------|------------------------------------------------|
| 1    | 24       | 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)                                       |
|------|----------|--------------------------------------------------------------------------------------------|
| 1X   | 29       | Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment left)                   |
| 4A   | 70       | Instrument Panel Wire and Center J/B RH (Right Side of the Instrument Panel Reinforcement) |
| 4C   |          |                                                                                            |
| 4D   |          |                                                                                            |
| 4E   |          |                                                                                            |
| 4F   |          |                                                                                            |
| 4H   |          |                                                                                            |
| 4I   |          |                                                                                            |
| 4J   |          |                                                                                            |
| 4K   |          |                                                                                            |
| 4L   |          |                                                                                            |
| 5A   | 66       | Instrument Panel Wire and Center J/B LH (Right Side of the Instrument Panel Reinforcement) |
| 5B   |          |                                                                                            |
| 5D   |          |                                                                                            |
| 5G   |          |                                                                                            |
| 5L   |          |                                                                                            |
| DA   | 55       | Instrument Panel Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| DD   |          |                                                                                            |
| DK   | 56       | Engine Room Main Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| LA   | 62       | Floor No.2 Wire and Luggage Room J/B (Left Side of the Quarter Panel )                     |
| LC   | 63       |                                                                                            |
| LF   |          |                                                                                            |
| LG   | 62       | Luggage Room Wire and Luggage Room J/B (Left Side of the Quarter Panel )                   |
| PA   | 49       | Instrument Panel Wire and Cowl Side J/B LH (Lower Finish Panel)                            |
| PD   |          |                                                                                            |
| PJ   | 50       | Floor No.2 Wire and Cowl Side J/B LH (Lower Finish Panel)                                  |

**: Connector Joining Wire Harness and Wire Harness**

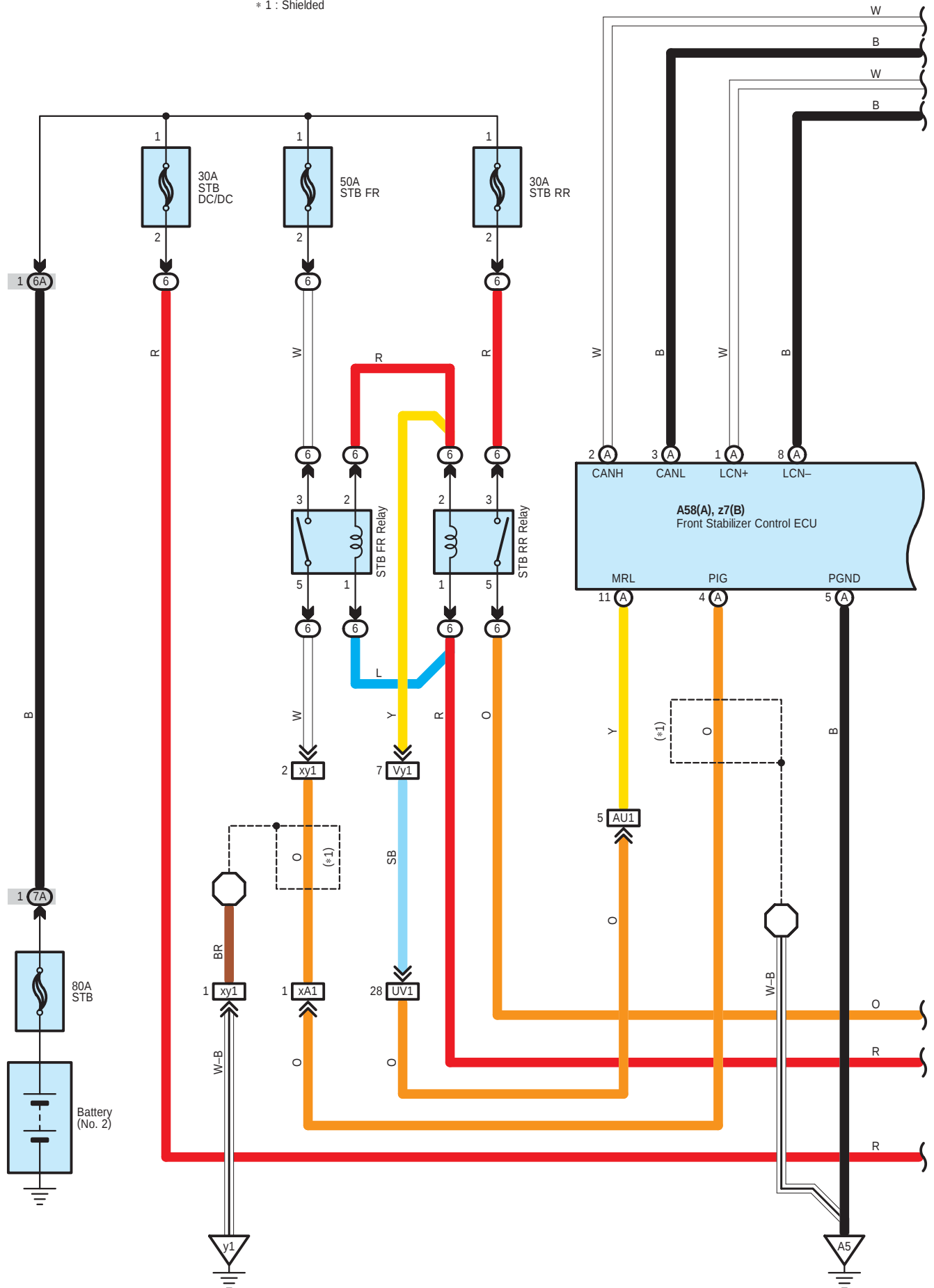
| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location)                            |
|------|----------|---------------------------------------------------------------------------------------|
| AU1  | 97       | Engine Room Main Wire and Floor No.1 Wire (Cowl Side Panel RH)                        |
| AV3  | 97       | Engine Room Main Wire and Floor No.2 Wire (Cowl Side Panel LH)                        |
| BA2  | 96       | Engine Room No.2 Wire and Engine Room Main Wire (Inside of the Engine Room R/B No.2 ) |
| KA2  | 97       | Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)                     |
| KA3  | 97       | Instrument Panel Wire and Engine Room Main Wire (Right Kick Panel)                    |
| KU2  | 97       | Instrument Panel Wire and Floor No.1 Wire (Right Kick Panel)                          |
| KV1  | 97       | Instrument Panel Wire and Floor No.2 Wire (Left Kick Panel)                           |
| UV1  | 98       | Floor No.1 Wire and Floor No.2 Wire (Center of the Rear Floor Partition Panel)        |
| Vy1  | 98       | Floor No.2 Wire and Luggage Room Wire (Quarter Wheel House Inner Panel LH)            |

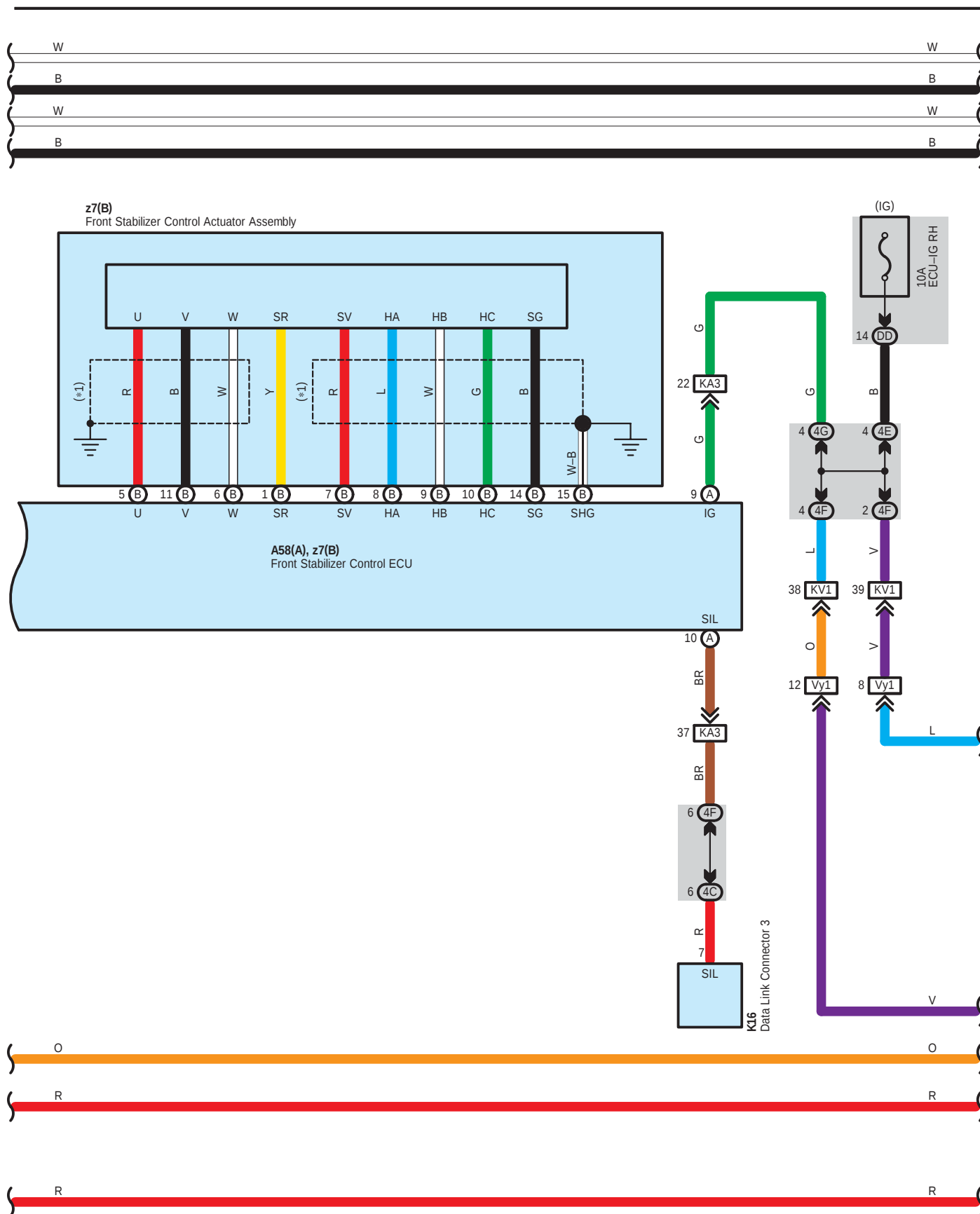
**: Ground Points**

| Code | See Page | Ground Points Location                       |
|------|----------|----------------------------------------------|
| A1   | 96       | Left Side of the Dash Panel                  |
| K1   | 97       | Left Kick Panel                              |
| K2   | 97       | Left Side of the Shift Lever                 |
| K4   | 97       | Right Kick Panel                             |
| U2   | 98       | Right Side of the Rear Floor Partition Panel |
| V2   | 98       | Roof Side Inner Panel LH                     |

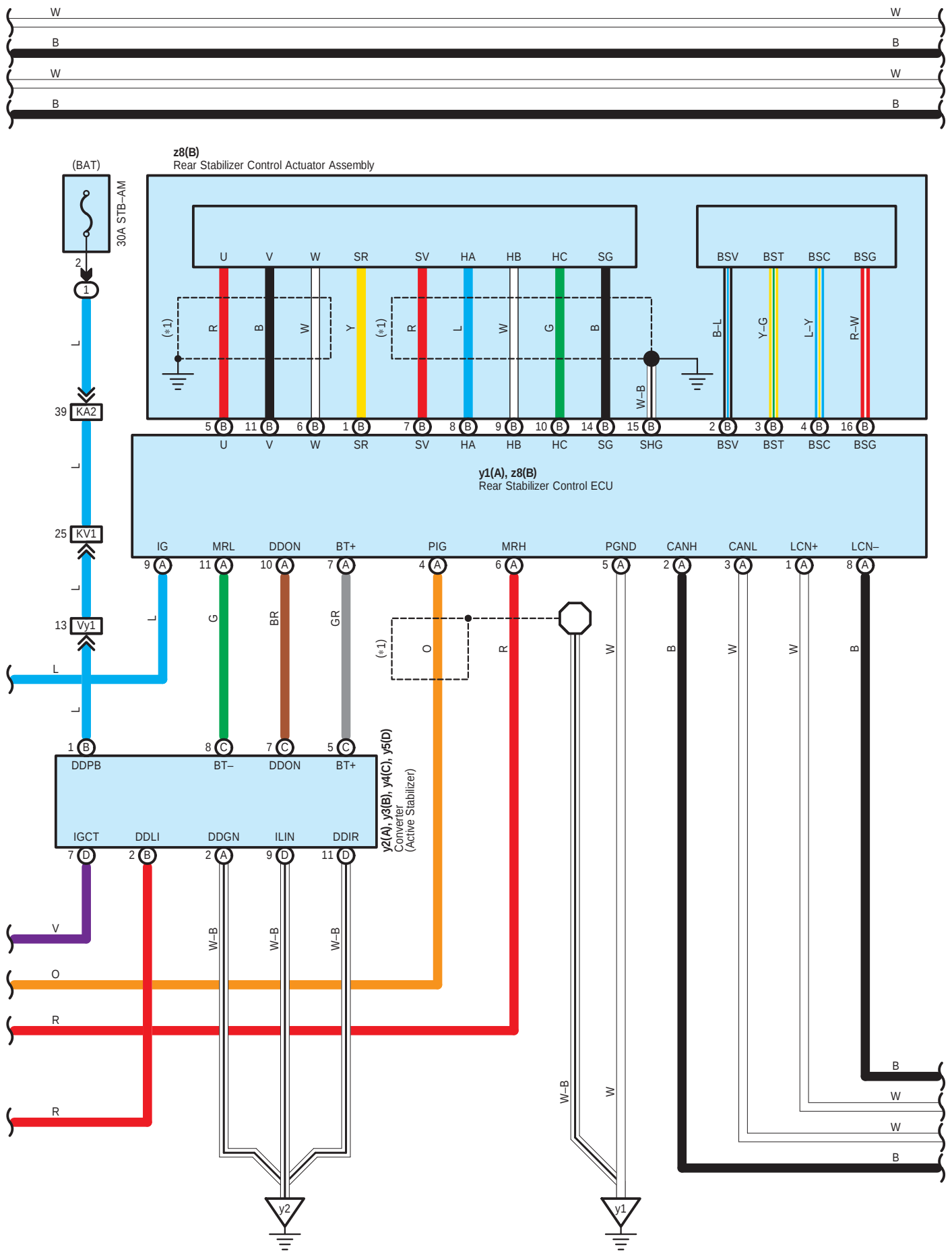
# Active Stabilizer Suspension System

\* 1 : Shielded

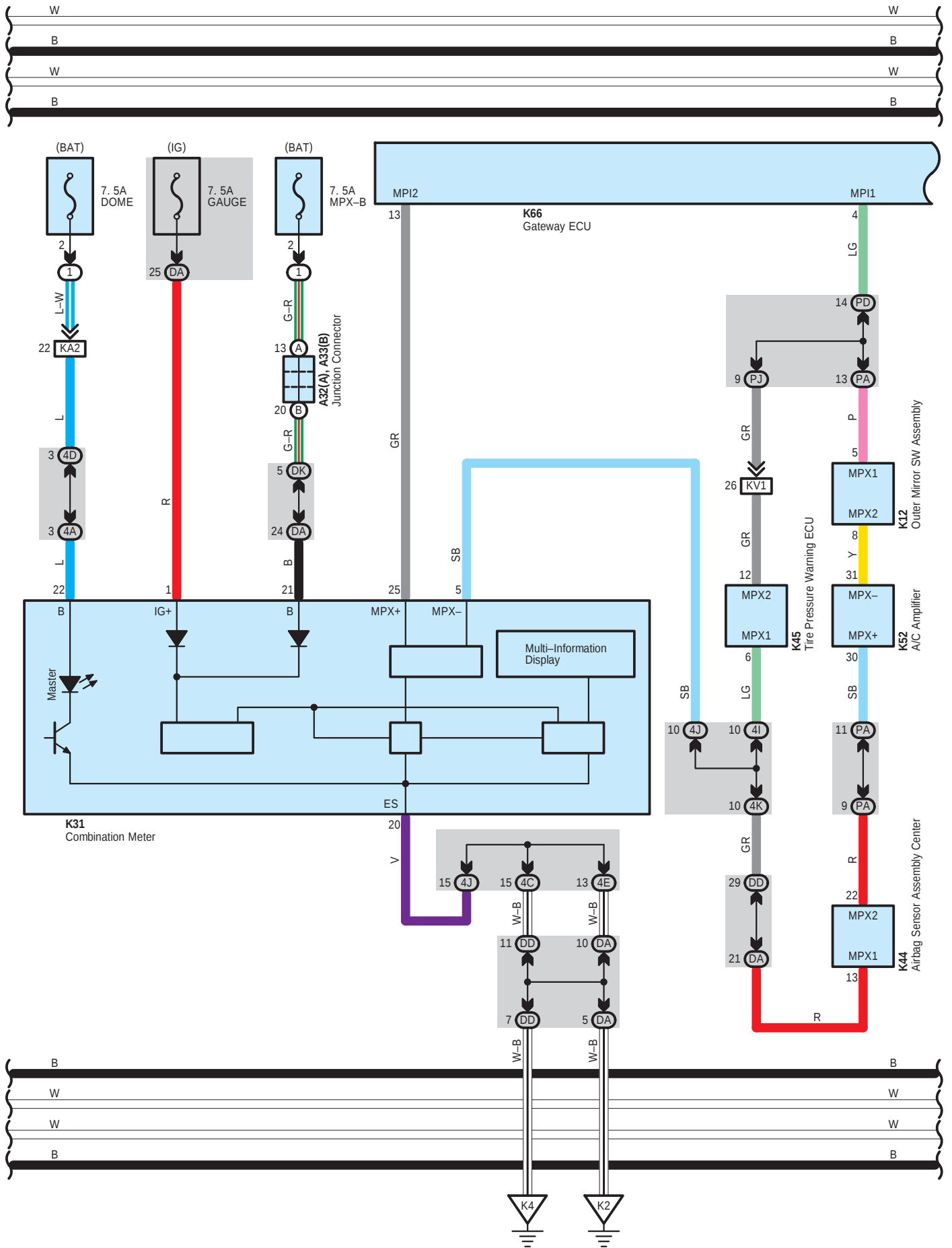




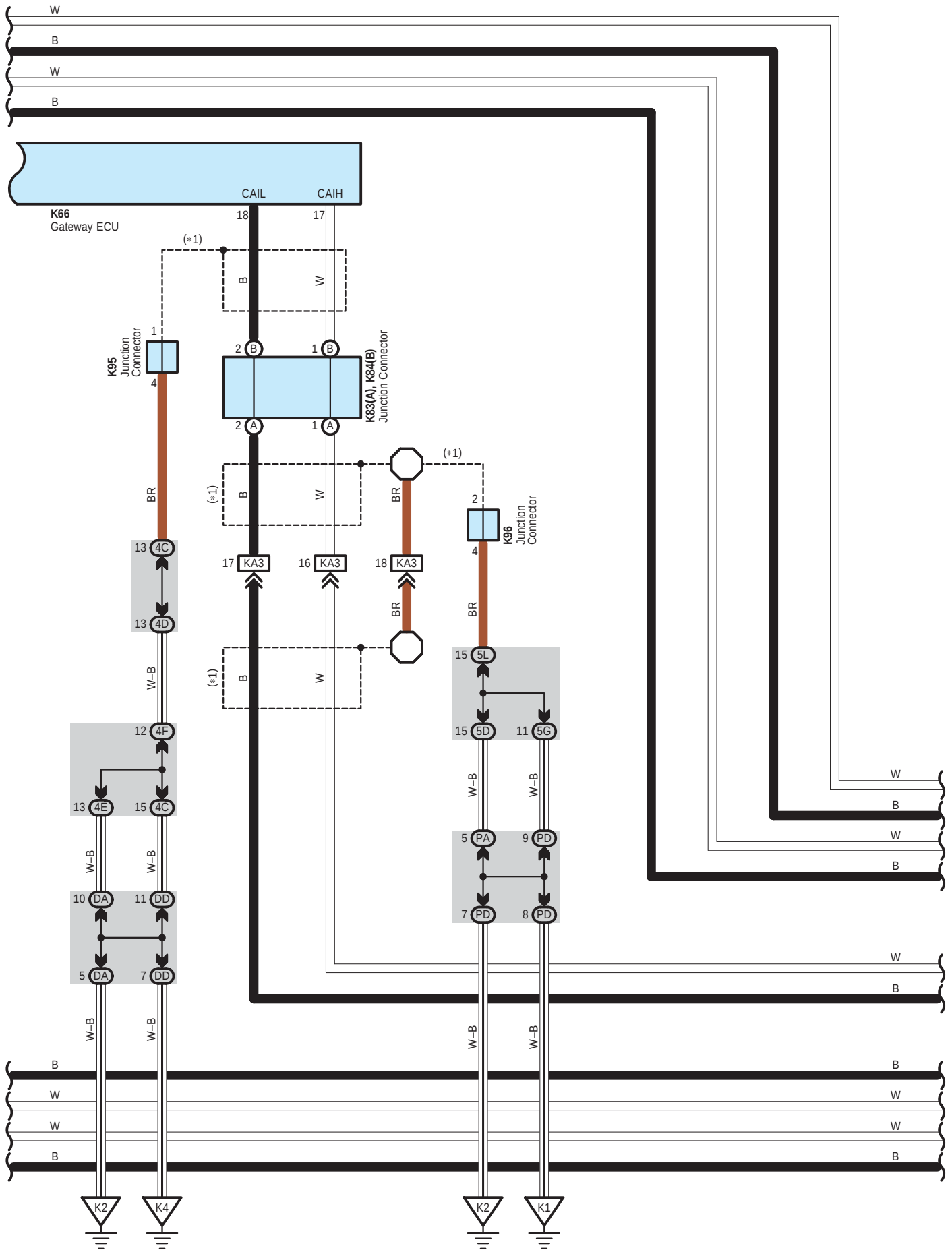
# Active Stabilizer Suspension System

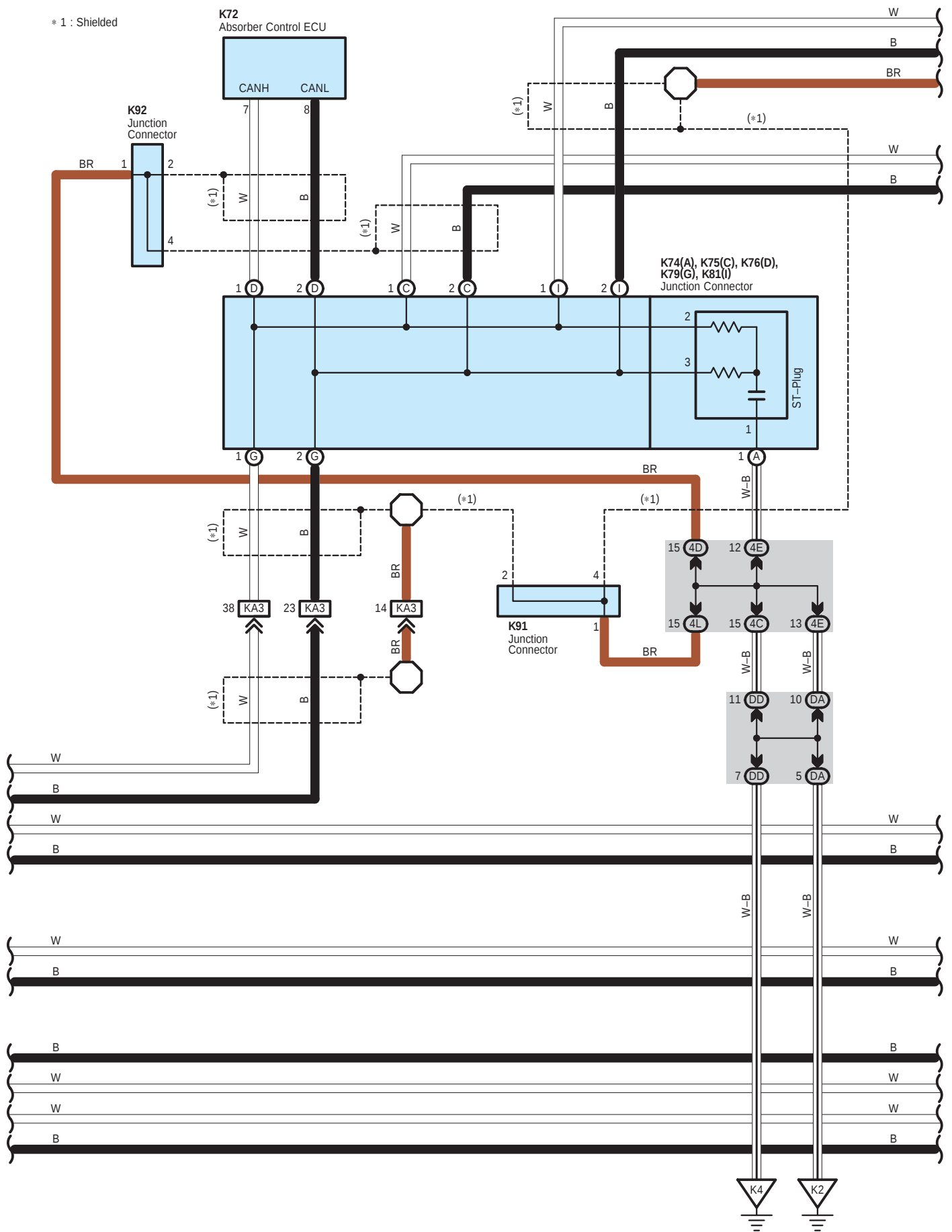


\* 1 : Shielded

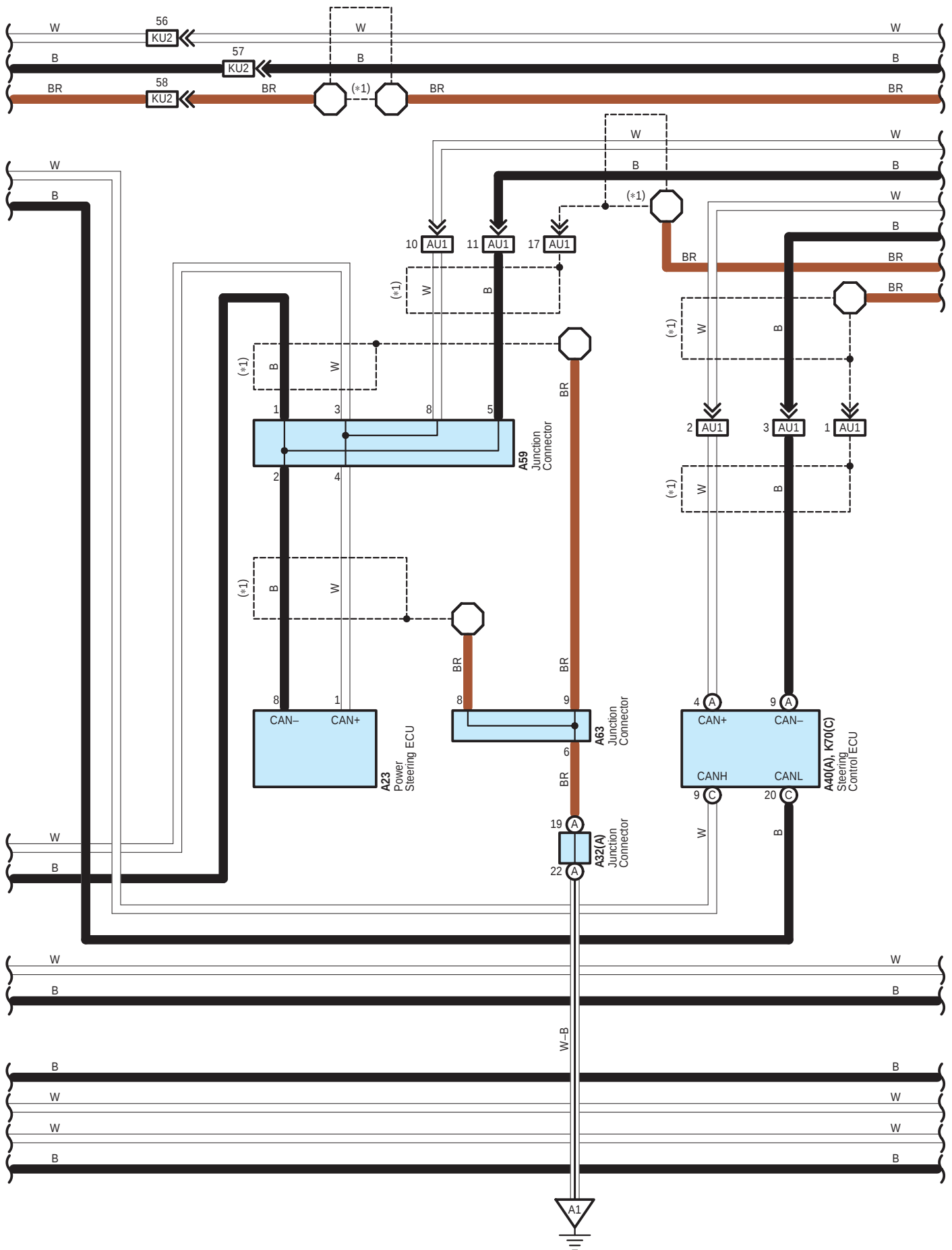


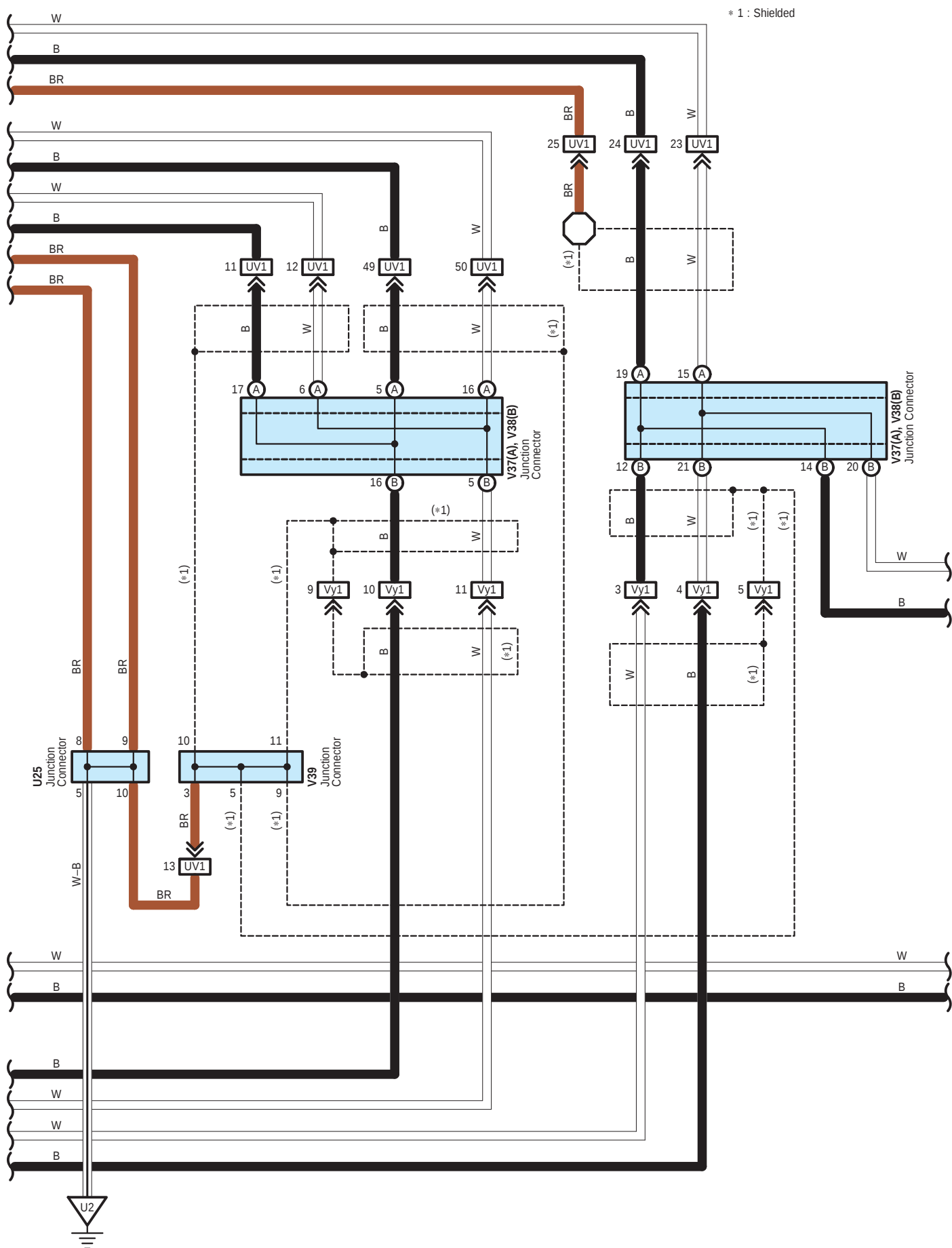
# Active Stabilizer Suspension System



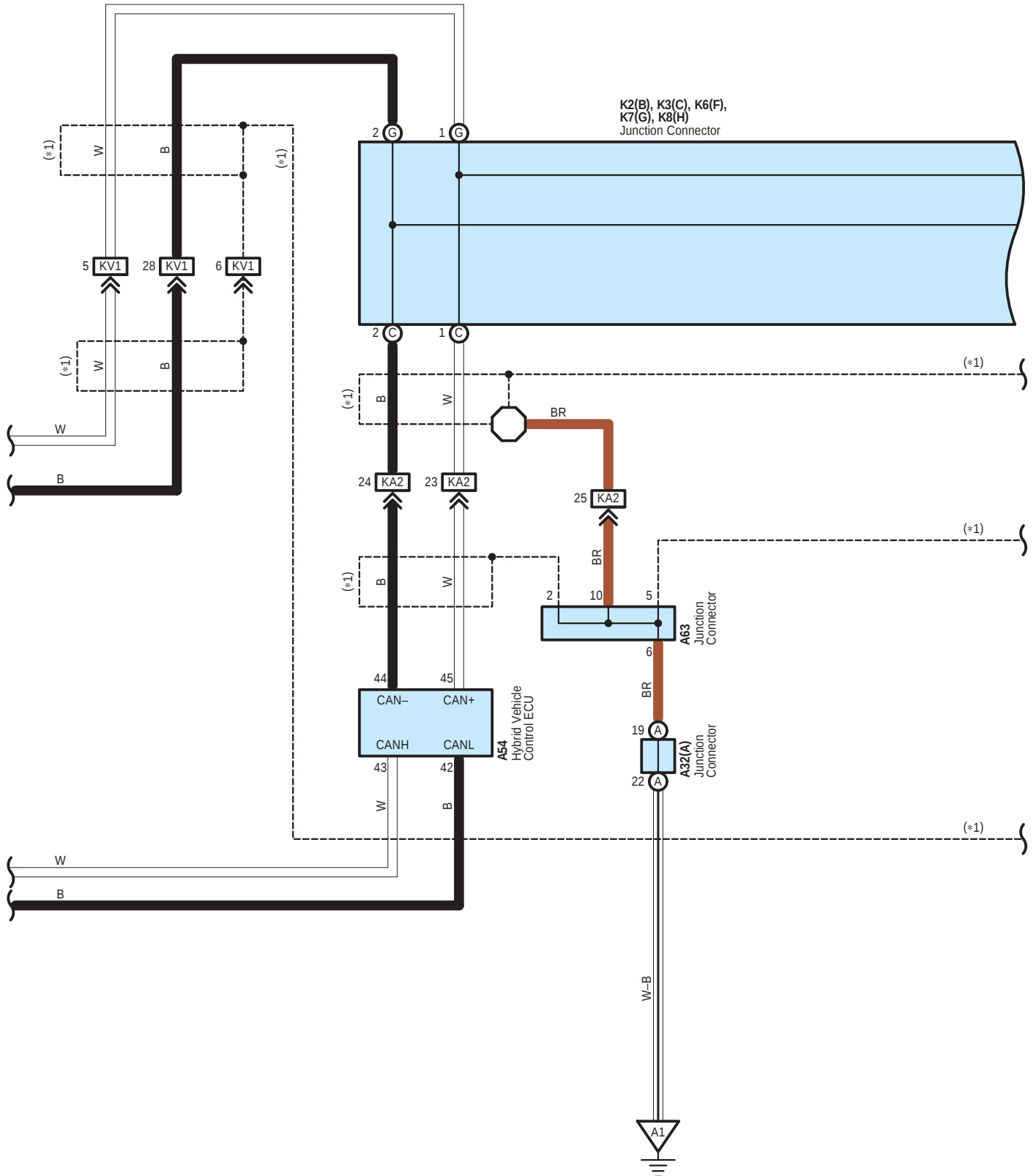


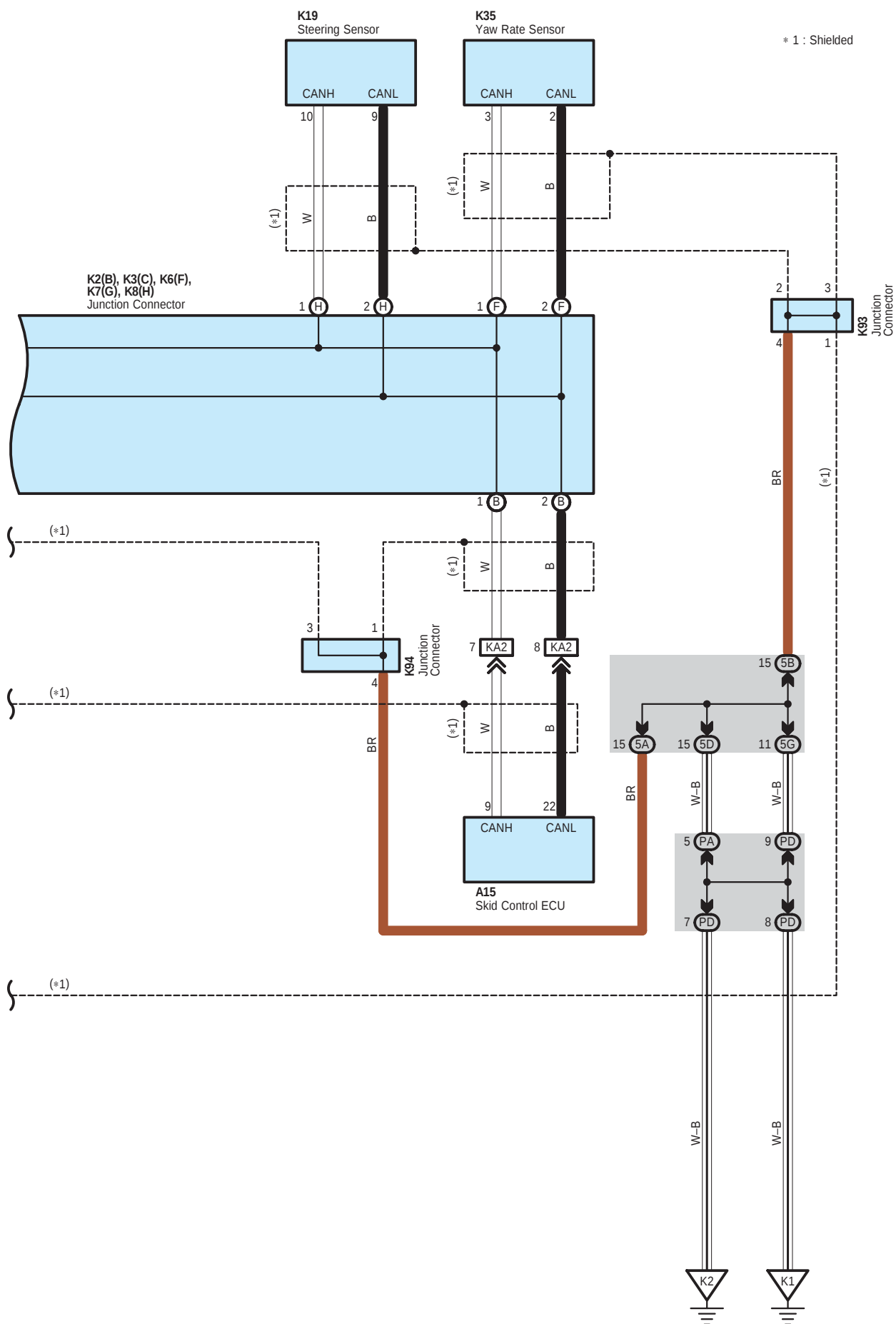
# Active Stabilizer Suspension System





# Active Stabilizer Suspension System





# Active Stabilizer Suspension System

## System Outline

The system controls the output torque of the actuator installed on the front and rear stabilizer bar in accordance with lateral acceleration when cornering, and controls to have optimum roll stiffness distribution between the front and rear stabilizer bar, resulting in stable cornering vehicle posture and high cornering performance by reducing the rolling when making turns.

## ○ : Parts Location

| Code | See Page | Code | See Page | Code | See Page |
|------|----------|------|----------|------|----------|
| A15  | 80       | K31  | 85       | K93  | 86       |
| A23  | 80       | K35  | 85       | K94  | 86       |
| A32  | A 84     | K44  | 86       | K95  | 86       |
| A33  | B 84     | K45  | 86       | K96  | 86       |
| A40  | A 84     | K52  | 86       | U25  | 90       |
| A54  | 80       | K66  | 86       | V37  | A 91     |
| A58  | A 80     | K70  | C 86     | V38  | B 91     |
| A59  | 80       | K72  | 86       | V39  | 91       |
| A63  | 84       | K74  | A 76, 86 | y1   | A 93     |
| K2   | B 74, 85 | K75  | C 76, 86 | y2   | A 93     |
| K3   | C 74, 85 | K76  | D 76, 86 | y3   | B 93     |
| K6   | F 74, 85 | K79  | G 76, 86 | y4   | C 93     |
| K7   | G 74, 85 | K81  | I 76, 86 | y5   | D 93     |
| K8   | H 74, 85 | K83  | A 78, 86 | z7   | B 83     |
| K12  | 85       | K84  | B 78, 86 | z8   | B 93     |
| K16  | 85       | K91  | 86       |      |          |
| K19  | 85       | K92  | 86       |      |          |

## ○ : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location)            |
|------|----------|------------------------------------------------|
| 1    | 24       | Engine Room R/B No.1 (Engine Compartment Left) |
| 6    | 43       | Luggage Room R/B No.6 (Luggage Room Center)    |

## ○ : Junction Block and Wire Harness Connector

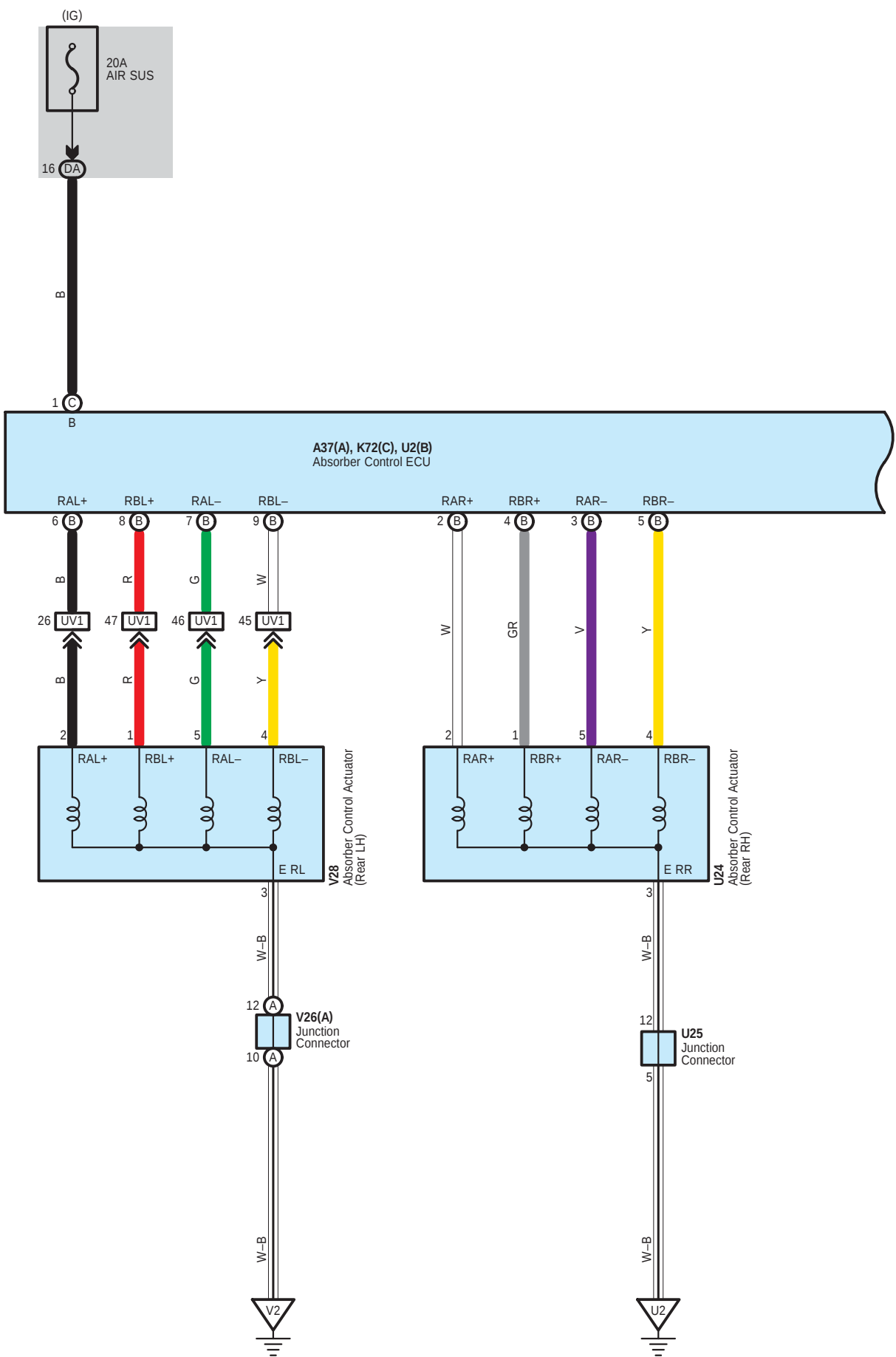
| Code | See Page | Junction Block and Wire Harness (Connector Location)                                       |
|------|----------|--------------------------------------------------------------------------------------------|
| 4A   | 70       | Instrument Panel Wire and Center J/B RH (Right Side of the Instrument Panel Reinforcement) |
| 4C   |          |                                                                                            |
| 4D   |          |                                                                                            |
| 4E   |          |                                                                                            |
| 4F   |          |                                                                                            |
| 4G   |          |                                                                                            |
| 4I   |          |                                                                                            |
| 4J   |          |                                                                                            |
| 4K   | 66       | Instrument Panel Wire and Center J/B LH (Right Side of the Instrument Panel Reinforcement) |
| 4L   |          |                                                                                            |
| 5A   |          |                                                                                            |
| 5B   |          |                                                                                            |
| 5D   |          |                                                                                            |
| 5G   | 43       | Luggage Room No.4 Wire and Luggage Room R/B No.6 (Luggage Room Center)                     |
| 5L   |          |                                                                                            |
| 6A   | 45       | Luggage Room No.4 Wire and Fusible Link Block (No.1) (Luggage Room Center)                 |
| 7A   | 55       | Instrument Panel Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| DA   | 56       | Engine Room Main Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| DD   |          |                                                                                            |
| DK   | 49       | Instrument Panel Wire and Cowl Side J/B LH (Lower Finish Panel)                            |
| PA   |          |                                                                                            |
| PD   |          |                                                                                            |
| PJ   | 50       | Floor No.2 Wire and Cowl Side J/B LH (Lower Finish Panel)                                  |

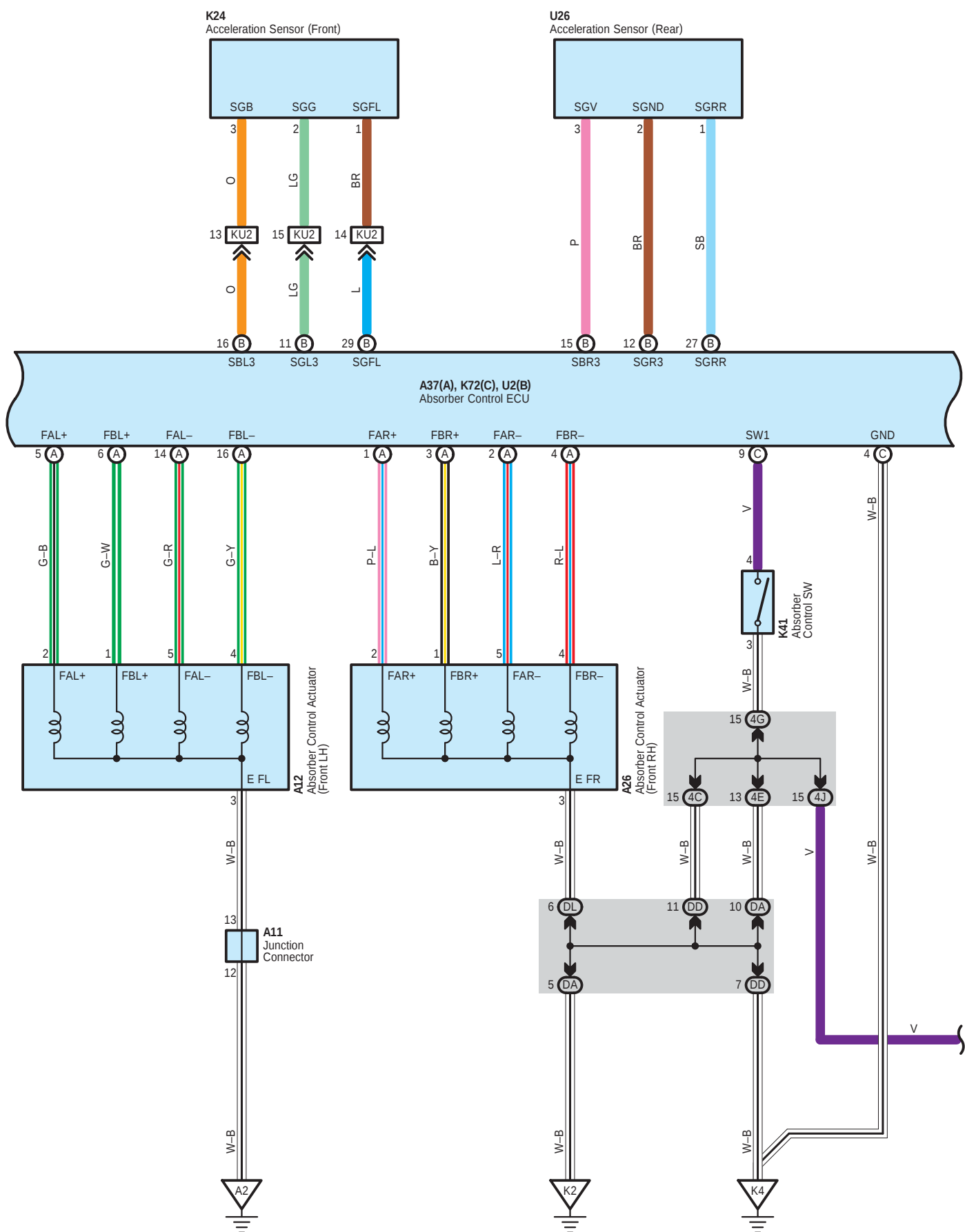
 : Connector Joining Wire Harness and Wire Harness

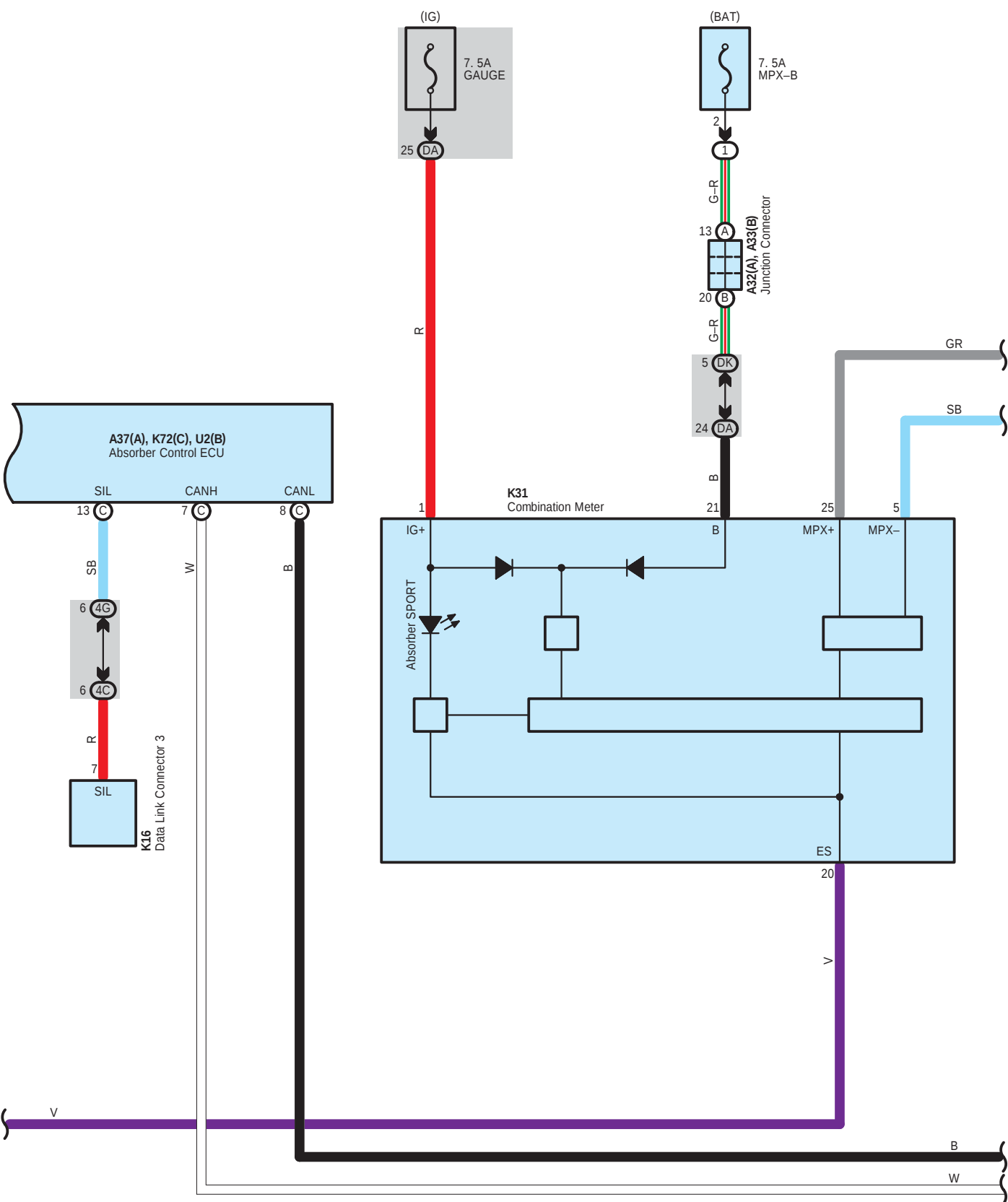
| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location)                               |
|------|----------|------------------------------------------------------------------------------------------|
| AU1  | 97       | Engine Room Main Wire and Floor No.1 Wire (Cowl Side Panel RH)                           |
| KA2  | 97       | Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)                        |
| KA3  | 97       | Instrument Panel Wire and Engine Room Main Wire (Right Kick Panel)                       |
| KU2  | 97       | Instrument Panel Wire and Floor No.1 Wire (Right Kick Panel)                             |
| KV1  | 97       | Instrument Panel Wire and Floor No.2 Wire (Left Kick Panel)                              |
| UV1  | 98       | Floor No.1 Wire and Floor No.2 Wire (Center of the Rear Floor Partition Panel)           |
| Vy1  | 98       | Floor No.2 Wire and Luggage Room Wire (Quarter Wheel House Inner Panel LH)               |
| xA1  | 98       | Floor No.5 Wire and Engine Room Main Wire (Left Side of the Engine Room Partition Panel) |
| xy1  | 98       | Floor No.5 Wire and Luggage Room No.4 Wire (Center of the Luggage Room)                  |

 : Ground Points

| Code | See Page | Ground Points Location                       |
|------|----------|----------------------------------------------|
| A1   | 96       | Left Side of the Dash Panel                  |
| A5   | 96       | Near the Headlamp RH                         |
| K1   | 97       | Left Kick Panel                              |
| K2   | 97       | Left Side of the Shift Lever                 |
| K4   | 97       | Right Kick Panel                             |
| U2   | 98       | Right Side of the Rear Floor Partition Panel |
| y1   | 98       | Center of the Luggage Room                   |
| y2   |          |                                              |

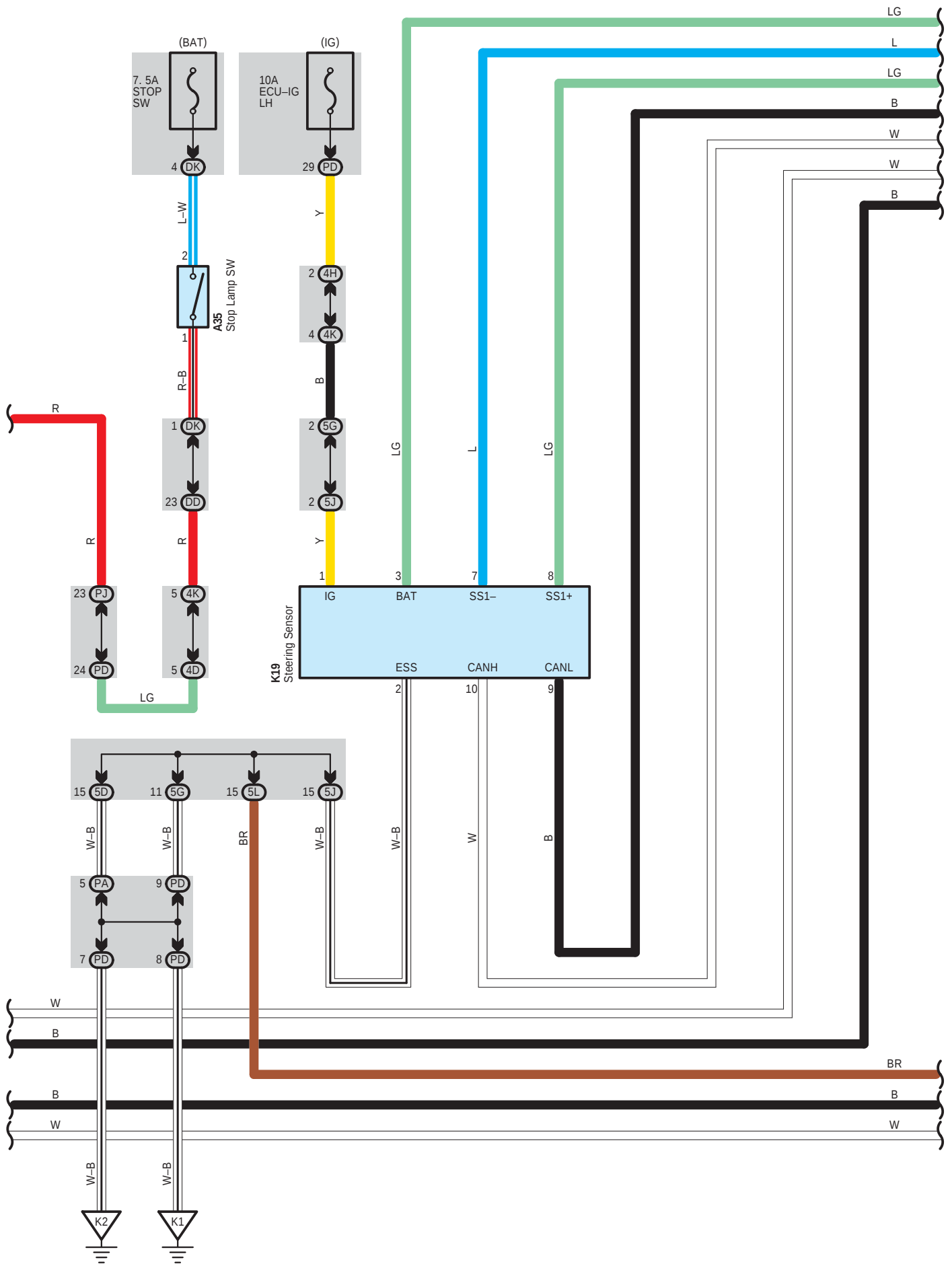


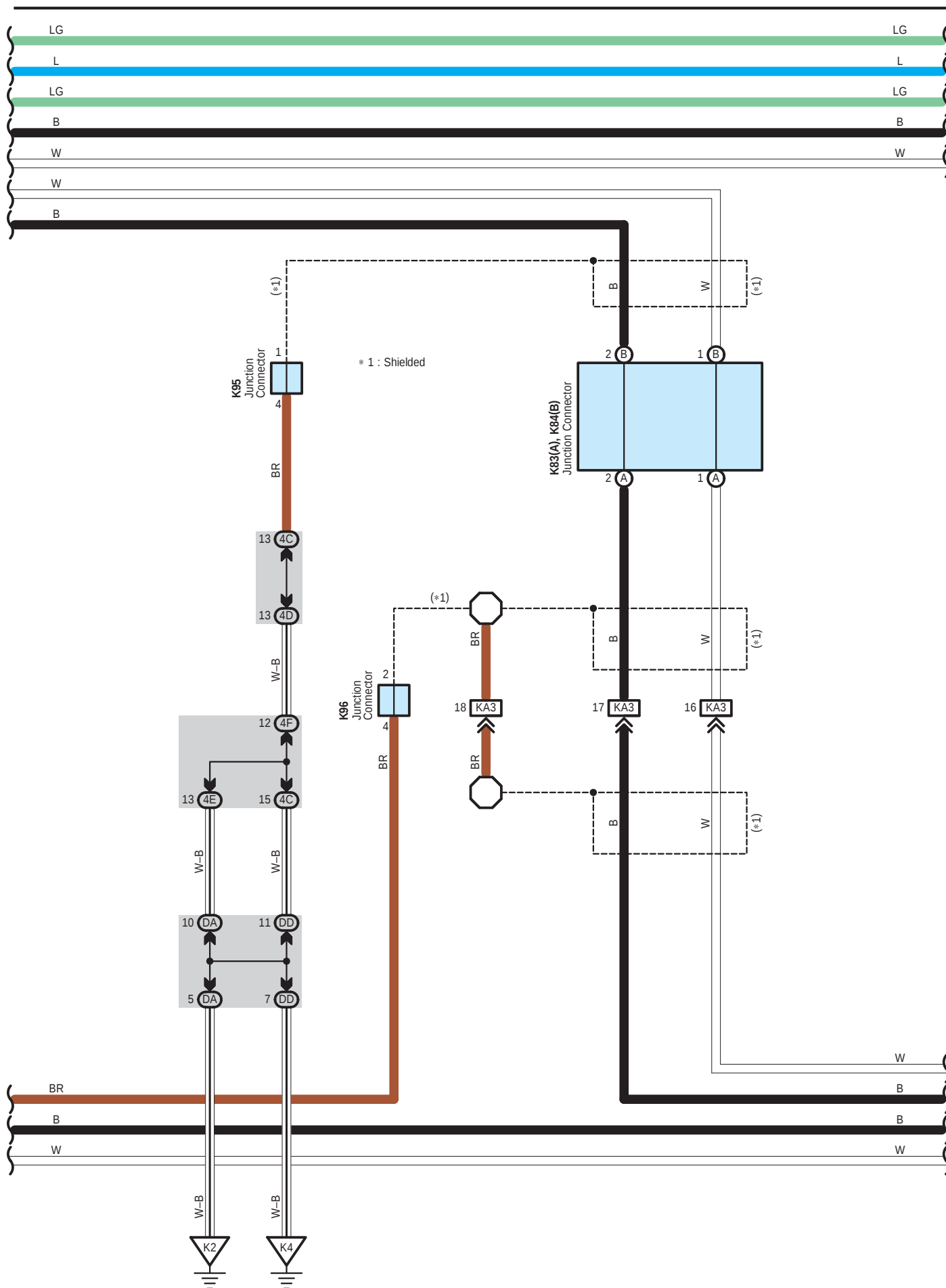




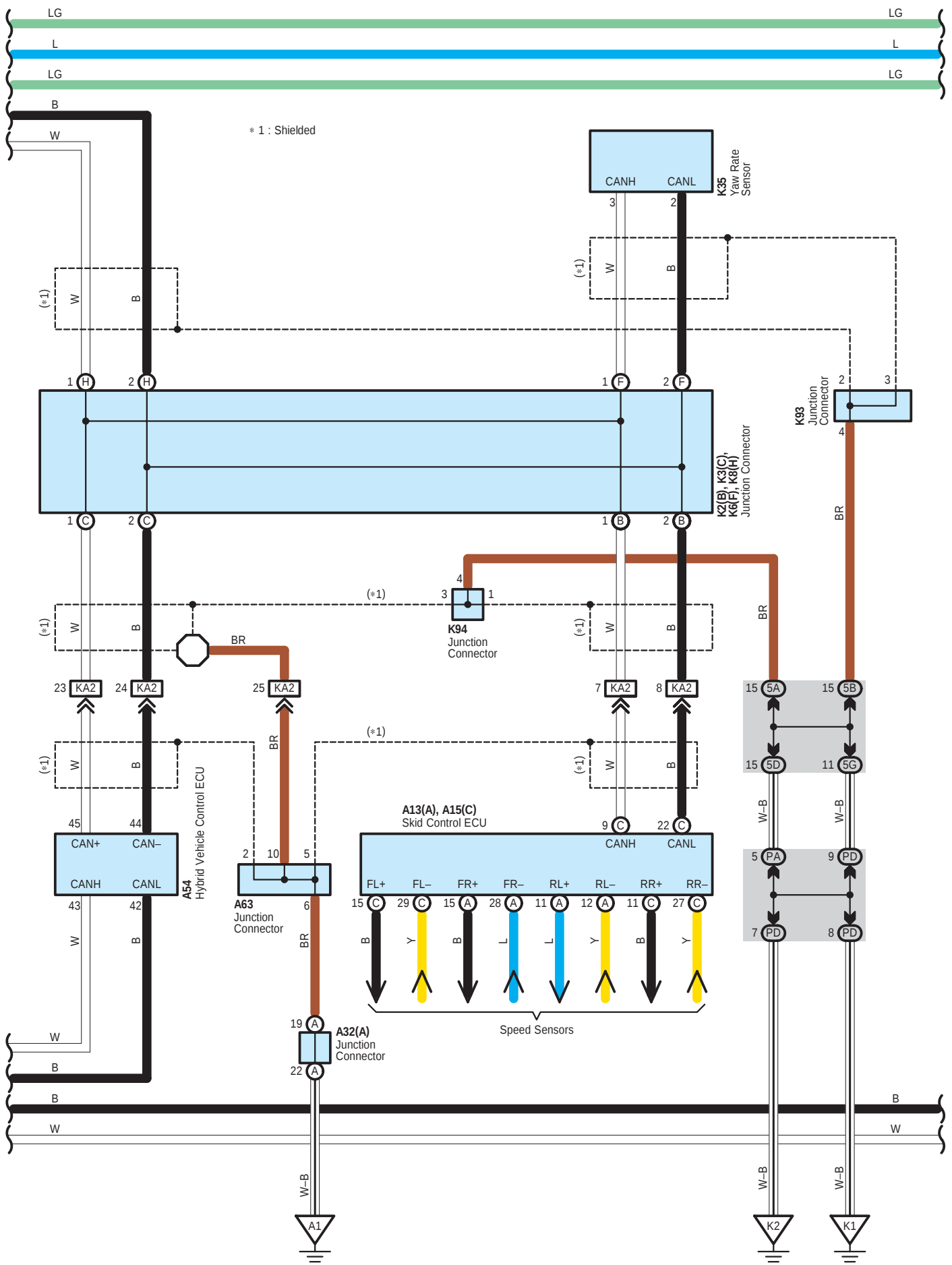


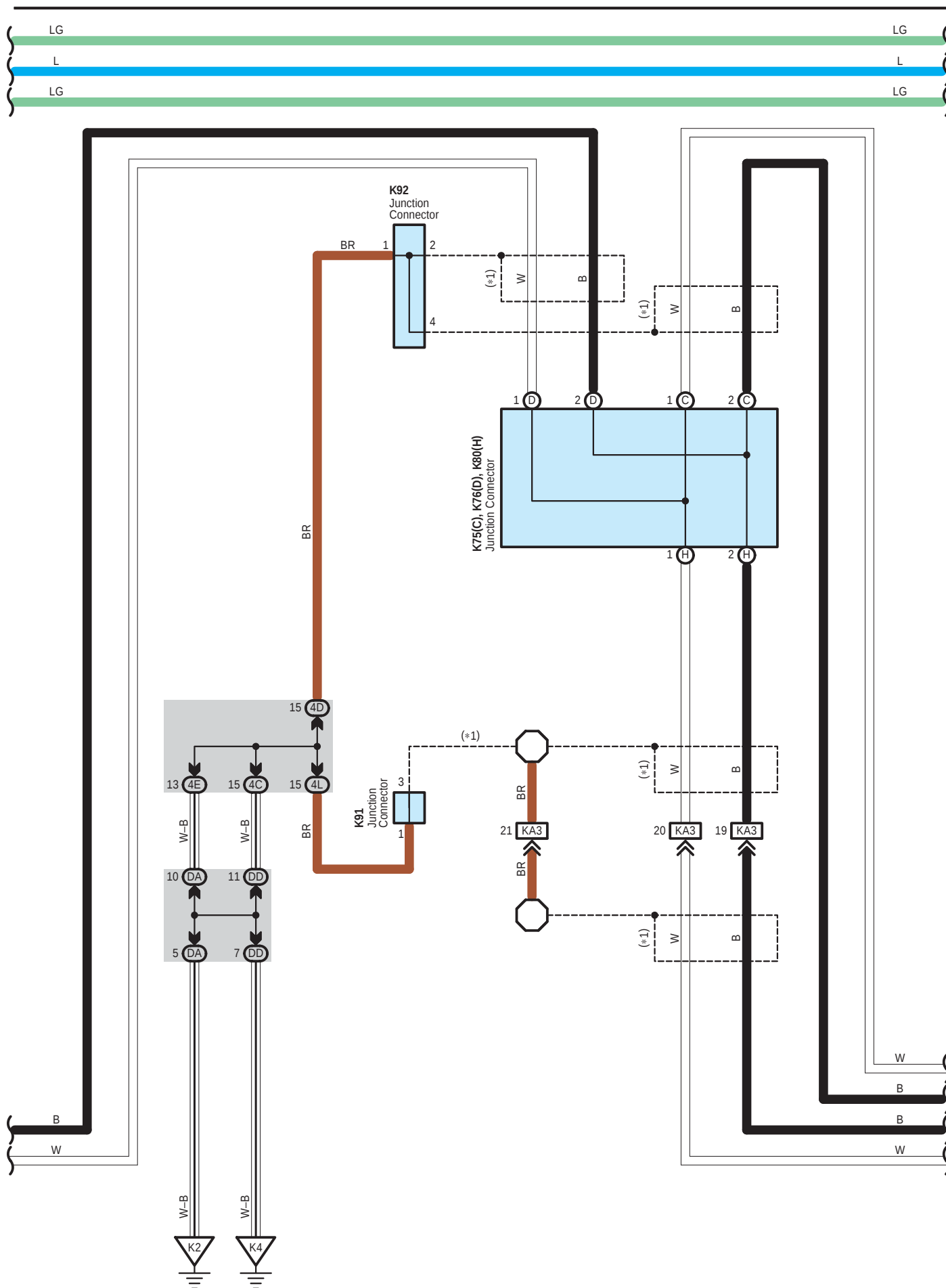
# Electronic Modulated Suspension



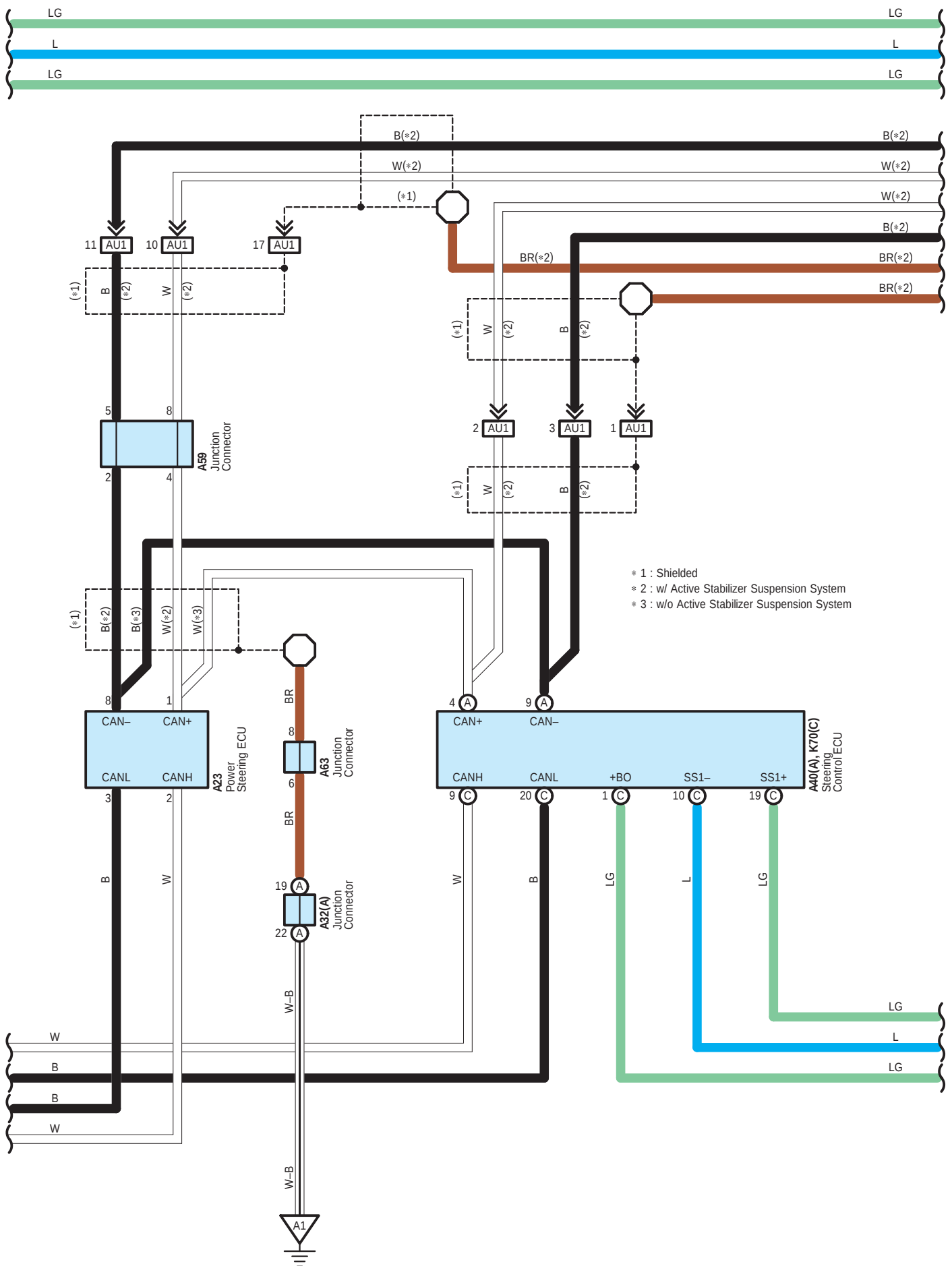


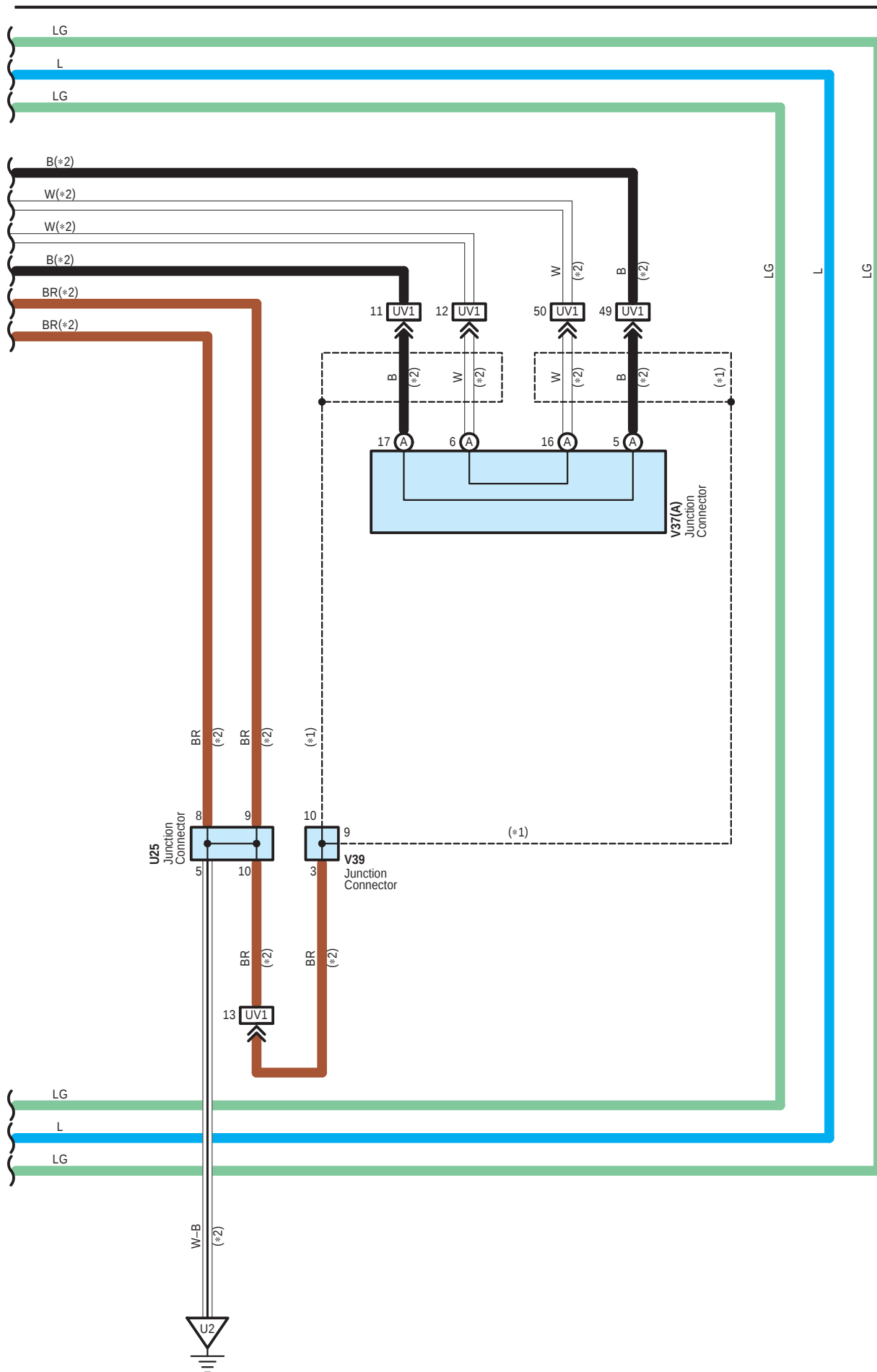
# Electronic Modulated Suspension





# Electronic Modulated Suspension





# Electronic Modulated Suspension

## : Parts Location

| Code  | See Page | Code  | See Page | Code  | See Page |
|-------|----------|-------|----------|-------|----------|
| A11   | 80       | K8 H  | 74, 85   | K83 A | 78, 86   |
| A12   | 80       | K12   | 85       | K84 B | 78, 86   |
| A13 A | 80       | K16   | 85       | K91   | 86       |
| A15 C | 80       | K19   | 85       | K92   | 86       |
| A23   | 80       | K22   | 85       | K93   | 86       |
| A26   | 80       | K24   | 85       | K94   | 86       |
| A29   | 84       | K31   | 85       | K95   | 86       |
| A30 A | 84       | K35   | 85       | K96   | 86       |
| A32 A | 84       | K41   | 86       | U2 B  | 87       |
| A33 B | 84       | K44   | 86       | U24   | 90       |
| A35   | 84       | K45   | 86       | U25   | 90       |
| A37 A | 84       | K52   | 86       | U26   | 90       |
| A40 A | 84       | K66   | 86       | V3 D  | 87       |
| A54   | 80       | K68 B | 86       | V26 A | 91       |
| A59   | 80       | K70 C | 86       | V27 B | 91       |
| A63   | 84       | K72 C | 86       | V28   | 91       |
| K2 B  | 74, 85   | K75 C | 76, 86   | V37 A | 91       |
| K3 C  | 74, 85   | K76 D | 76, 86   | V39   | 91       |
| K6 F  | 74, 85   | K80 H | 76, 86   |       |          |

## : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location)            |
|------|----------|------------------------------------------------|
| 1    | 24       | 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)                                       |
|------|----------|--------------------------------------------------------------------------------------------|
| 1X   | 29       | Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment left)                   |
| 4C   | 70       | Instrument Panel Wire and Center J/B RH (Right Side of the Instrument Panel Reinforcement) |
| 4D   |          |                                                                                            |
| 4E   |          |                                                                                            |
| 4F   |          |                                                                                            |
| 4G   |          |                                                                                            |
| 4H   |          |                                                                                            |
| 4I   |          |                                                                                            |
| 4J   |          |                                                                                            |
| 4K   | 66       | Instrument Panel Wire and Center J/B LH (Right Side of the Instrument Panel Reinforcement) |
| 4L   |          |                                                                                            |
| 5A   |          |                                                                                            |
| 5B   |          |                                                                                            |
| 5D   |          |                                                                                            |
| 5G   |          |                                                                                            |
| 5J   | 55       | Instrument Panel Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| 5L   |          |                                                                                            |
| DA   | 56       | Engine Room Main Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| DD   |          |                                                                                            |
| DK   | 63       | Floor No.2 Wire and Luggage Room J/B (Left Side of the Quarter Panel )                     |
| DL   |          |                                                                                            |
| LC   | 49       | Instrument Panel Wire and Cowl Side J/B LH (Lower Finish Panel)                            |
| PA   |          |                                                                                            |
| PD   |          |                                                                                            |
| PJ   | 50       | Floor No.2 Wire and Cowl Side J/B LH (Lower Finish Panel)                                  |

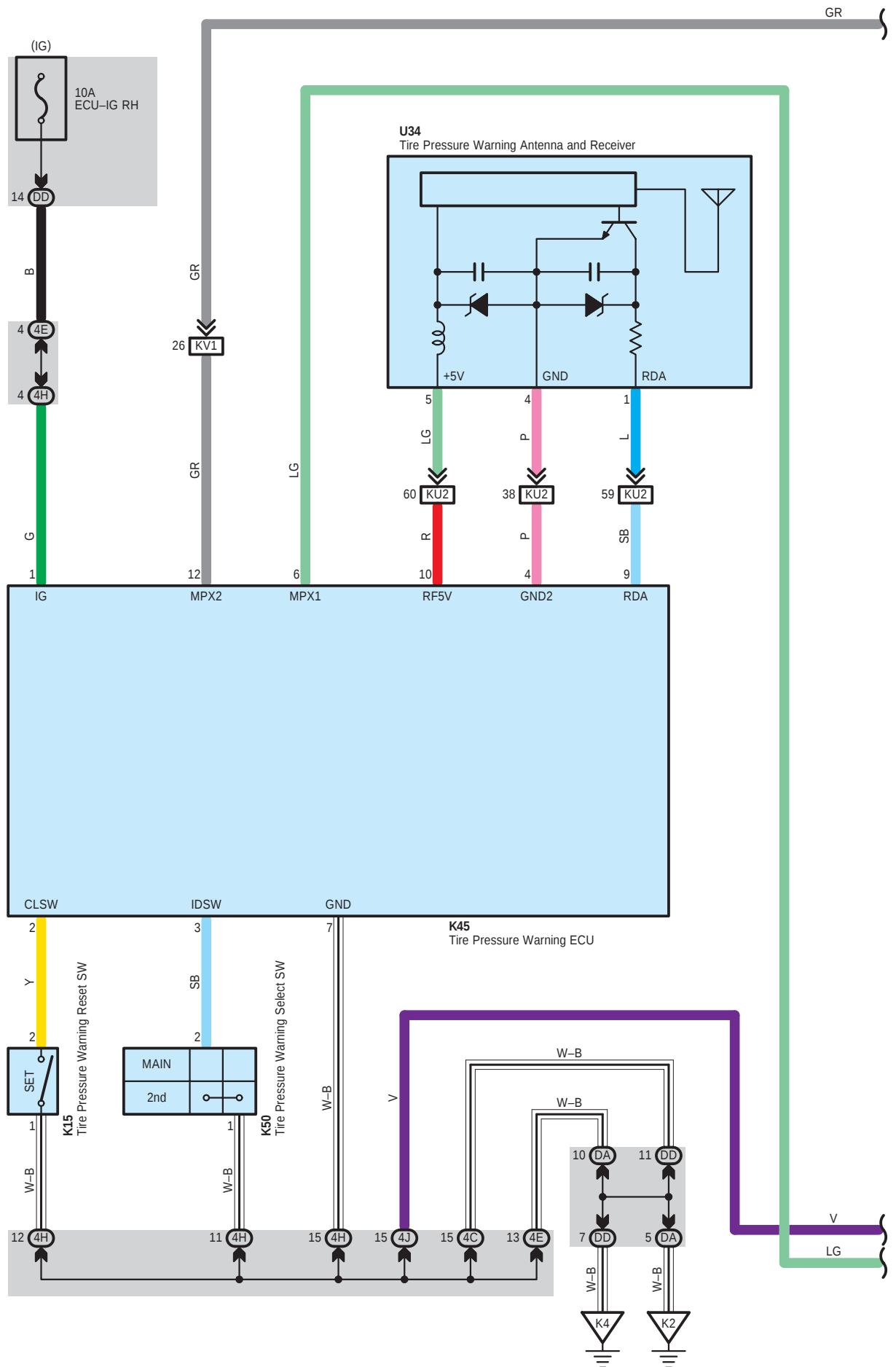
 : Connector Joining Wire Harness and Wire Harness

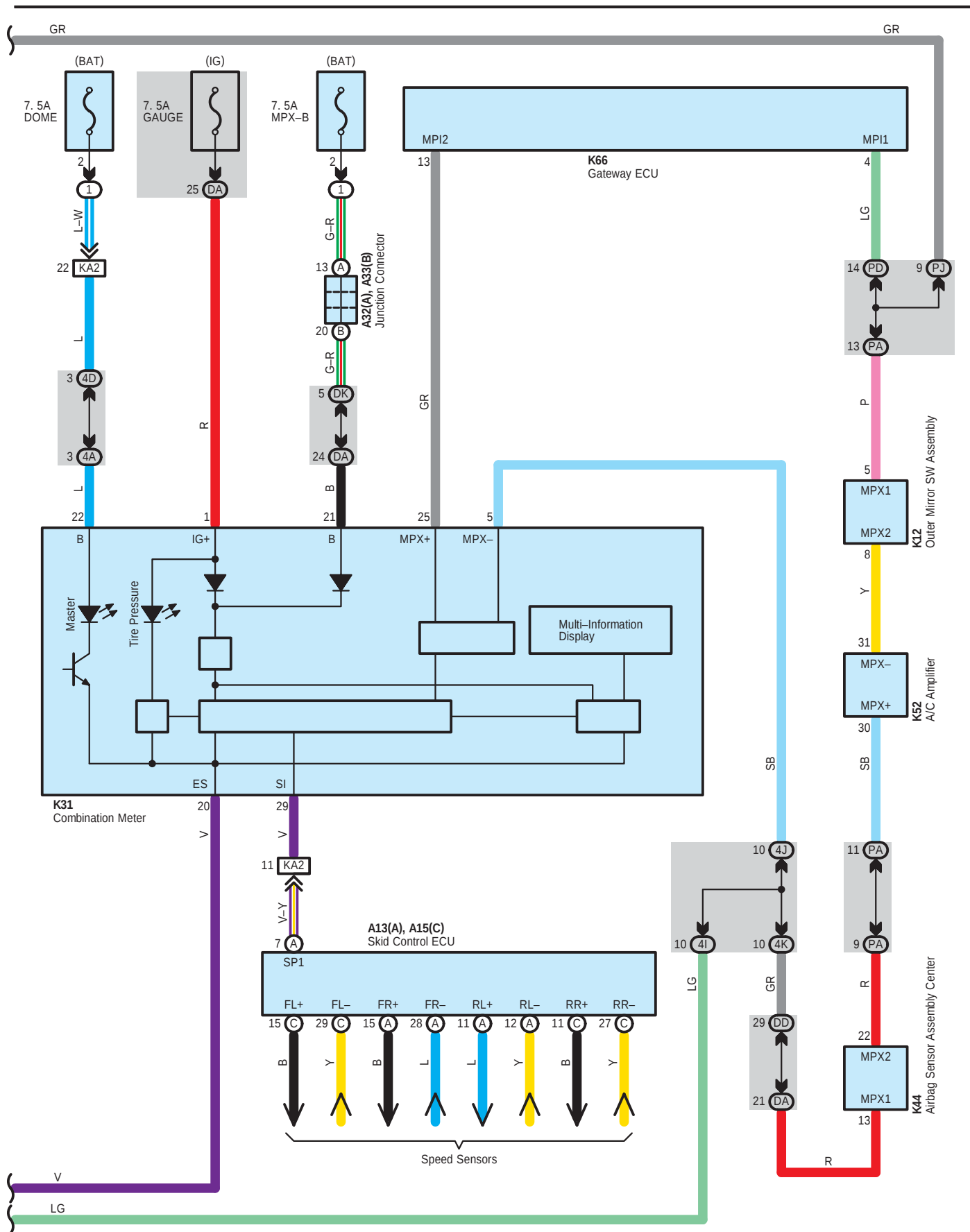
| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location)                     |
|------|----------|--------------------------------------------------------------------------------|
| AU1  | 97       | Engine Room Main Wire and Floor No.1 Wire (Cowl Side Panel RH)                 |
| KA2  | 97       | Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)              |
| KA3  | 97       | Instrument Panel Wire and Engine Room Main Wire (Right Kick Panel)             |
| KU2  | 97       | Instrument Panel Wire and Floor No.1 Wire (Right Kick Panel)                   |
| KV1  | 97       | Instrument Panel Wire and Floor No.2 Wire (Left Kick Panel)                    |
| UV1  | 98       | Floor No.1 Wire and Floor No.2 Wire (Center of the Rear Floor Partition Panel) |

 : Ground Points

| Code | See Page | Ground Points Location                       |
|------|----------|----------------------------------------------|
| A1   | 96       | Left Side of the Dash Panel                  |
| A2   | 96       | Front Left Fender Apron                      |
| K1   | 97       | Left Kick Panel                              |
| K2   | 97       | Left Side of the Shift Lever                 |
| K4   | 97       | Right Kick Panel                             |
| U2   | 98       | Right Side of the Rear Floor Partition Panel |
| V2   | 98       | Roof Side Inner Panel LH                     |

# Tire Pressure Warning System





# Tire Pressure Warning System

## System Outline

- \* In the tire pressure warning system, the warning light illuminates to alert the driver about the low tire pressure when the vehicle continues driving with one of the four tires under such low pressure to cause possible driving disturbance.
- \* The air pressure sensors installed in the wheels measure air pressure in the tires directly.

## ○ : Parts Location

| Code |   | See Page | Code | See Page | Code | See Page |
|------|---|----------|------|----------|------|----------|
| A13  | A | 80       | K15  | 85       | K52  | 86       |
| A15  | C | 80       | K31  | 85       | K66  | 86       |
| A32  | A | 84       | K44  | 86       | U34  | 90       |
| A33  | B | 84       | K45  | 86       |      |          |
| K12  |   | 85       | K50  | 86       |      |          |

## ○ : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location)            |
|------|----------|------------------------------------------------|
| 1    | 24       | 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)                                       |
|------|----------|--------------------------------------------------------------------------------------------|
| 4A   | 70       | Instrument Panel Wire and Center J/B RH (Right Side of the Instrument Panel Reinforcement) |
| 4C   |          |                                                                                            |
| 4D   |          |                                                                                            |
| 4E   |          |                                                                                            |
| 4H   |          |                                                                                            |
| 4I   |          |                                                                                            |
| 4J   |          |                                                                                            |
| 4K   |          |                                                                                            |
| DA   | 55       | Instrument Panel Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| DD   |          |                                                                                            |
| DK   | 56       | Engine Room Main Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| PA   | 49       | Instrument Panel Wire and Cowl Side J/B LH (Lower Finish Panel)                            |
| PD   |          |                                                                                            |
| PJ   | 50       | Floor No.2 Wire and Cowl Side J/B LH (Lower Finish Panel)                                  |

## □ : Connector Joining Wire Harness and Wire Harness

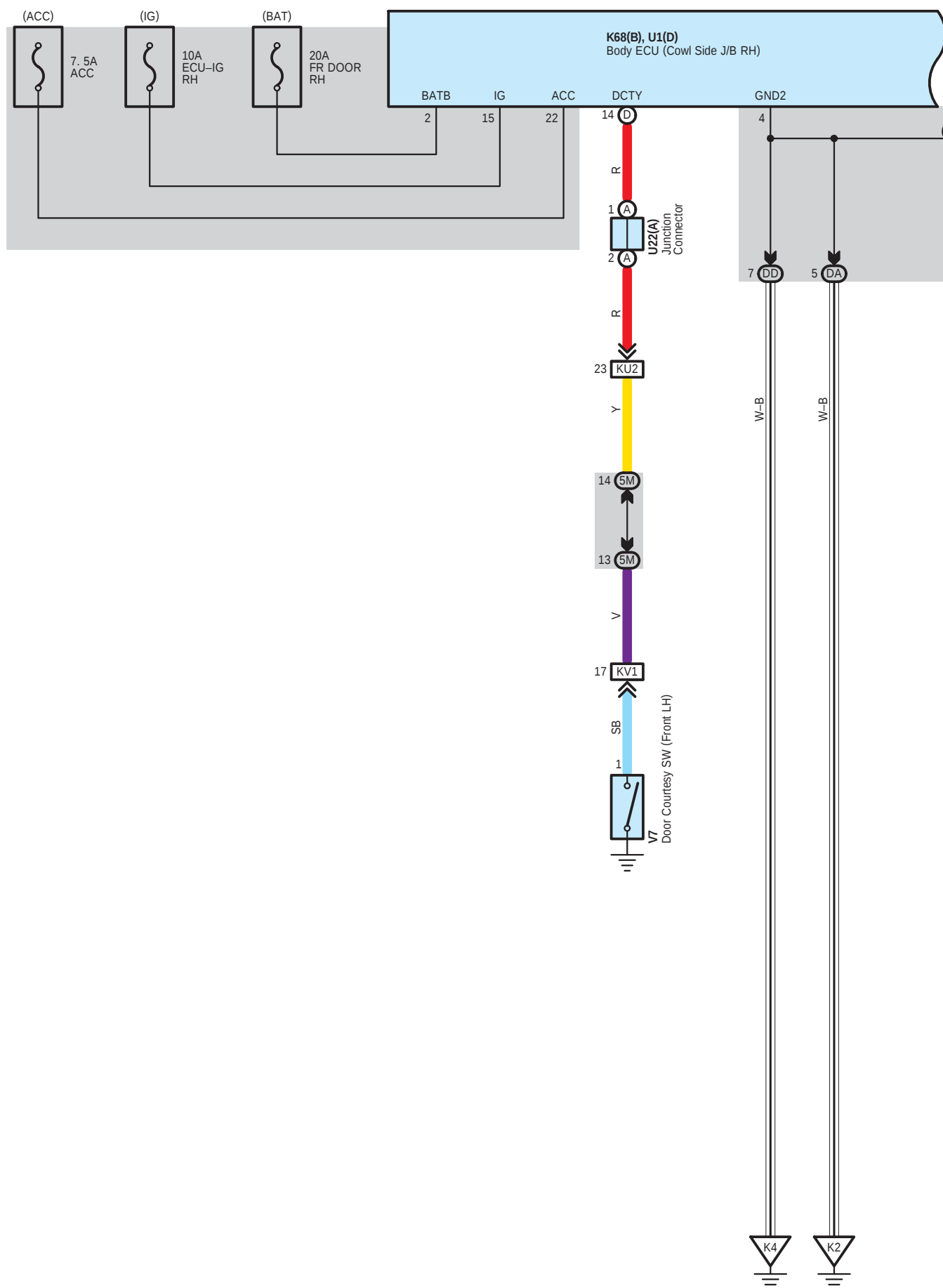
| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location)        |
|------|----------|-------------------------------------------------------------------|
| KA2  | 97       | Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel) |
| KU2  | 97       | Instrument Panel Wire and Floor No.1 Wire (Right Kick Panel)      |
| KV1  | 97       | Instrument Panel Wire and Floor No.2 Wire (Left Kick Panel)       |

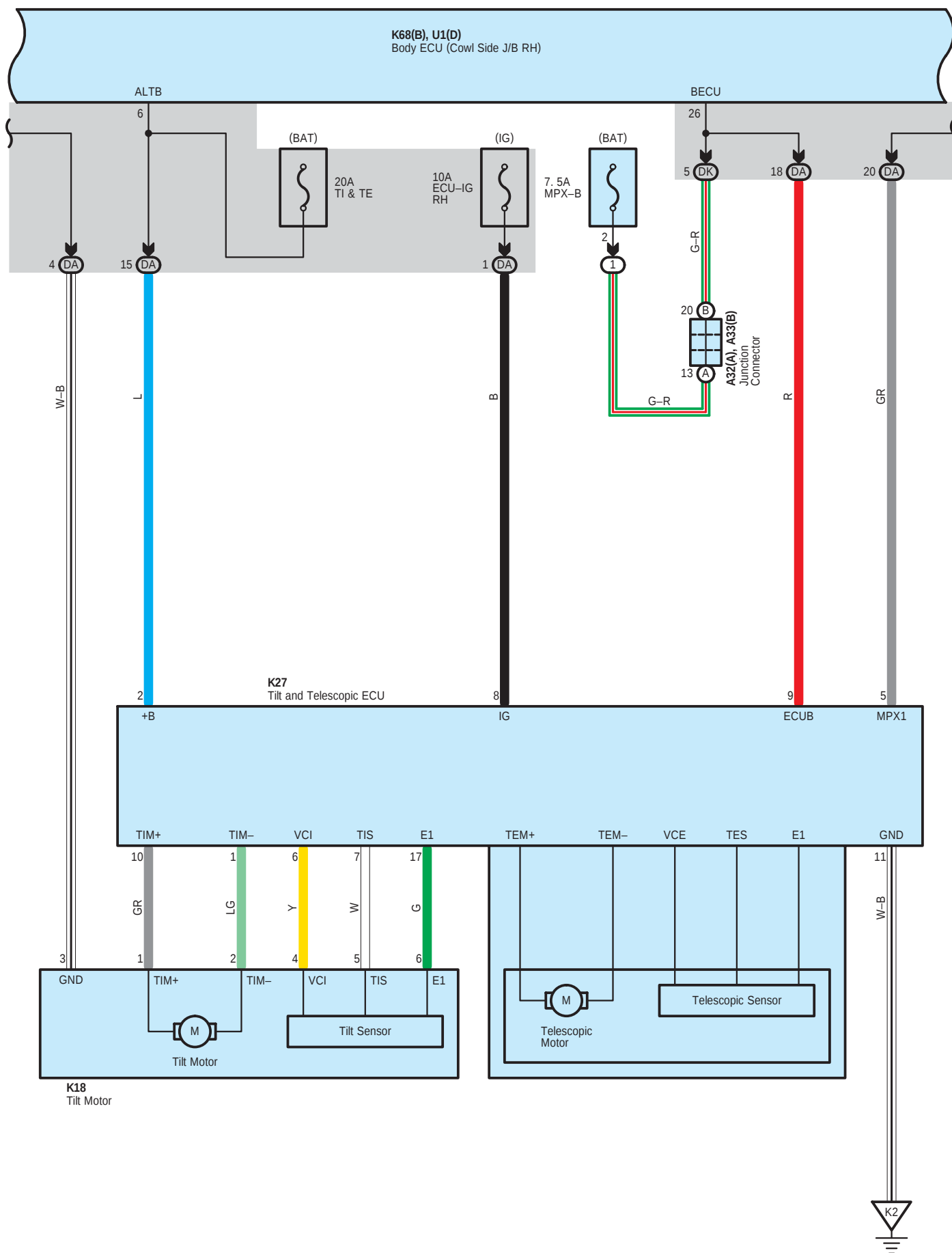
## ▽ : Ground Points

| Code | See Page | Ground Points Location       |
|------|----------|------------------------------|
| K2   | 97       | Left Side of the Shift Lever |
| K4   | 97       | Right Kick Panel             |

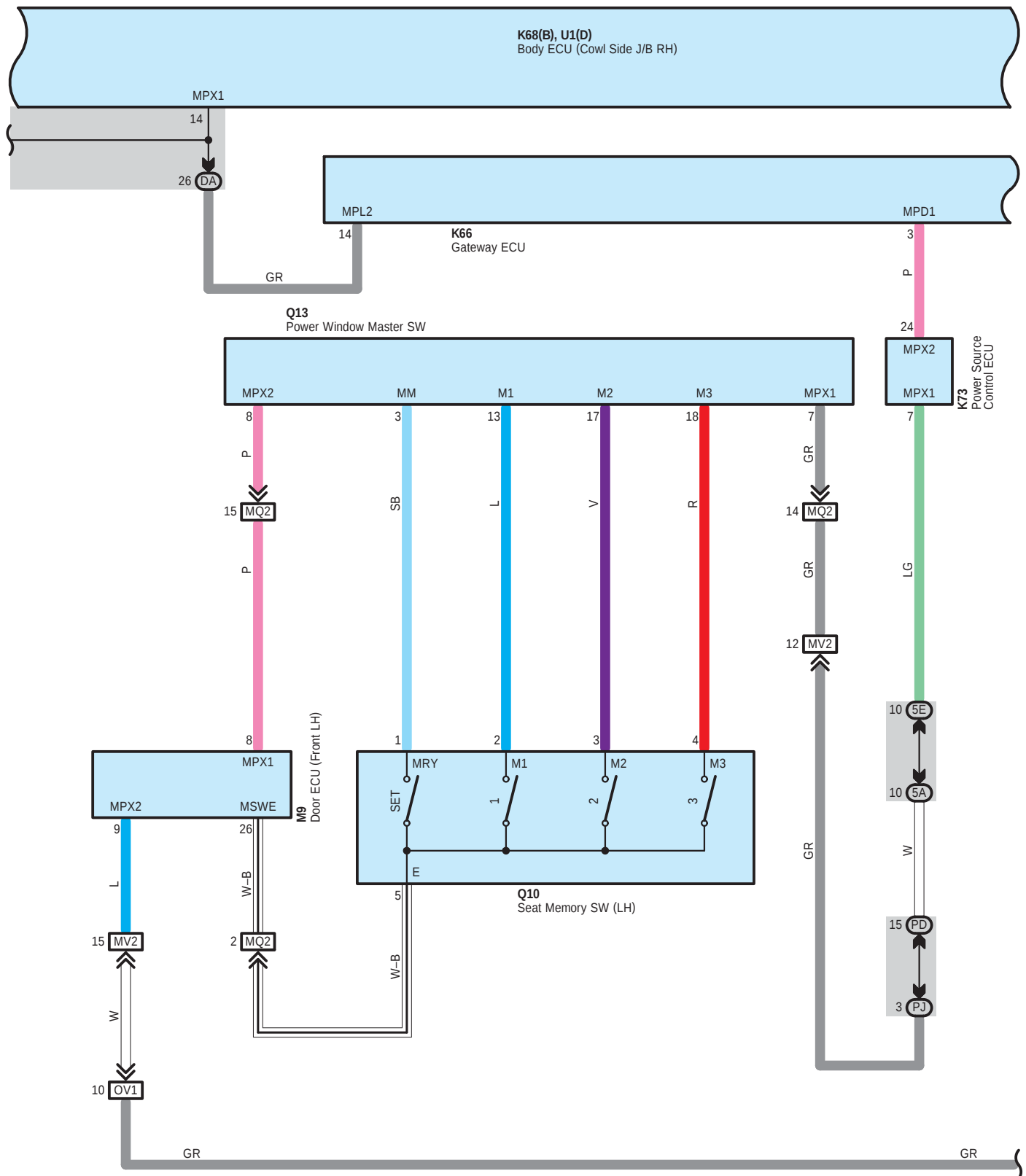


## Power Tilt and Power Telescopic





# Power Tilt and Power Telescopic



K68(B), U1(D)  
Body ECU (Cowl Side J/B RH)

MPD2

K66  
Gateway ECU

12

SB

M4  
Door ECU (Front RH)

O3  
Door ECU (Rear RH)

MPX1

MPX2

MPX1

MPX2

8

9

8

9

GR

P

GR

P

48

KU2

5

MU2

6

MU2

10

OU1

12

OU1

GR

BR

P

P

P

28

MPX2

MPX1

27

U28  
Certification ECU

BR

29

UV1

GR

12

OV1

P

9

MPX2

MPX1

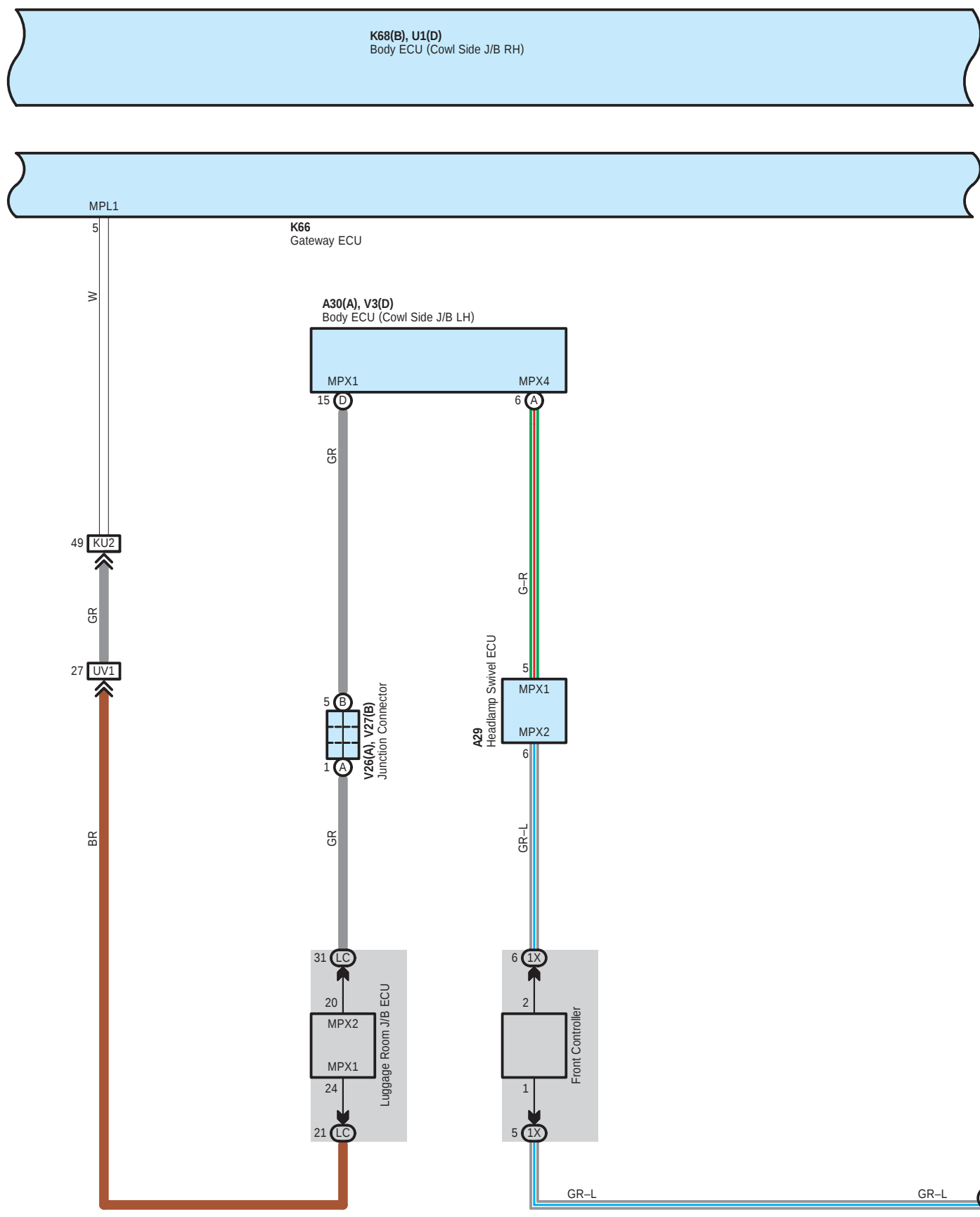
O7  
Door ECU (Rear LH)

8

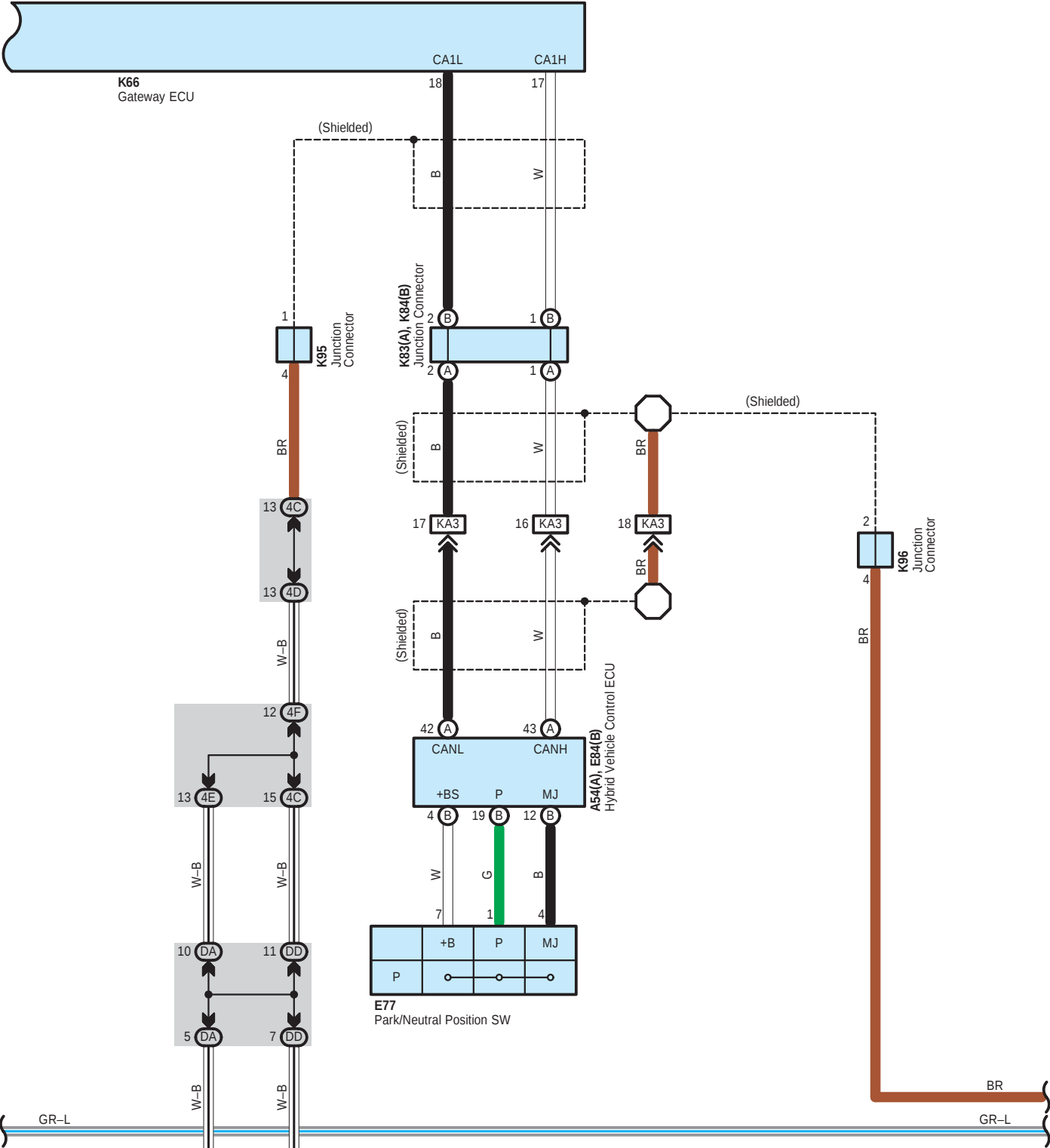
GR

GR

# Power Tilt and Power Telescopic



**K68(B), U1(D)**  
Body ECU (Cow/ Side J/B RH)





 : Parts Location

| Code  | See Page | Code  | See Page | Code  | See Page |
|-------|----------|-------|----------|-------|----------|
| A29   | 84       | K68 B | 86       | Q13   | 89       |
| A30 A | 84       | K73   | 86       | U1 D  | 87       |
| A32 A | 84       | K83 A | 78, 86   | U22 A | 90       |
| A33 B | 84       | K84 B | 78, 86   | U28   | 90       |
| A54 A | 80       | K95   | 86       | V3 D  | 87       |
| E77   | 81       | K96   | 86       | V7    | 91       |
| E84 B | 81       | M4    | 88       | V26 A | 91       |
| K18   | 85       | M9    | 88       | V27 B | 91       |
| K22 A | 85       | O3    | 88       | z3 B  | 87       |
| K27   | 85       | O7    | 88       |       |          |
| K66   | 86       | Q10   | 89       |       |          |

 : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location)            |
|------|----------|------------------------------------------------|
| 1    | 24       | 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)                                       |
|------|----------|--------------------------------------------------------------------------------------------|
| 1X   | 29       | Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment left)                   |
| 4C   | 70       | Instrument Panel Wire and Center J/B RH (Right Side of the Instrument Panel Reinforcement) |
| 4D   |          |                                                                                            |
| 4E   |          |                                                                                            |
| 4F   |          |                                                                                            |
| 5A   | 66       | Instrument Panel Wire and Center J/B LH (Right Side of the Instrument Panel Reinforcement) |
| 5D   |          |                                                                                            |
| 5E   |          |                                                                                            |
| 5G   |          |                                                                                            |
| 5H   |          |                                                                                            |
| 5J   |          |                                                                                            |
| 5L   |          |                                                                                            |
| 5M   |          |                                                                                            |
| DA   | 55       | Instrument Panel Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| DD   |          |                                                                                            |
| DK   | 56       | Engine Room Main Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| LC   | 63       | Floor No.2 Wire and Luggage Room J/B (Left Side of the Quarter Panel )                     |
| PA   | 49       | Instrument Panel Wire and Cowl Side J/B LH (Lower Finish Panel)                            |
| PD   |          |                                                                                            |
| PJ   | 50       | Floor No.2 Wire and Cowl Side J/B LH (Lower Finish Panel)                                  |
| PL   | 50       | Engine Room Main Wire and Cowl Side J/B LH (Lower Finish Panel)                            |

 : Connector Joining Wire Harness and Wire Harness

| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location)                     |
|------|----------|--------------------------------------------------------------------------------|
| KA2  | 97       | Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)              |
| KA3  | 97       | Instrument Panel Wire and Engine Room Main Wire (Right Kick Panel)             |
| KU2  | 97       | Instrument Panel Wire and Floor No.1 Wire (Right Kick Panel)                   |
| KV1  | 97       | Instrument Panel Wire and Floor No.2 Wire (Left Kick Panel)                    |
| MQ2  | 98       | Front Door LH Wire and Front Door LH No.2 Wire (Front Door Inner Panel LH)     |
| MU2  | 97       | Front Door RH Wire and Floor No.1 Wire (Right Kick Panel)                      |
| MV2  | 97       | Front Door LH Wire and Floor No.2 Wire (Left Kick Panel)                       |
| OU1  | 98       | Rear Door No.1 Wire and Floor No.1 Wire (Right Center Pillar)                  |
| OV1  | 98       | Rear Door No.2 Wire and Floor No.2 Wire (Left Center Pillar)                   |
| UV1  | 98       | Floor No.1 Wire and Floor No.2 Wire (Center of the Rear Floor Partition Panel) |

## Power Tilt and Power Telescopic

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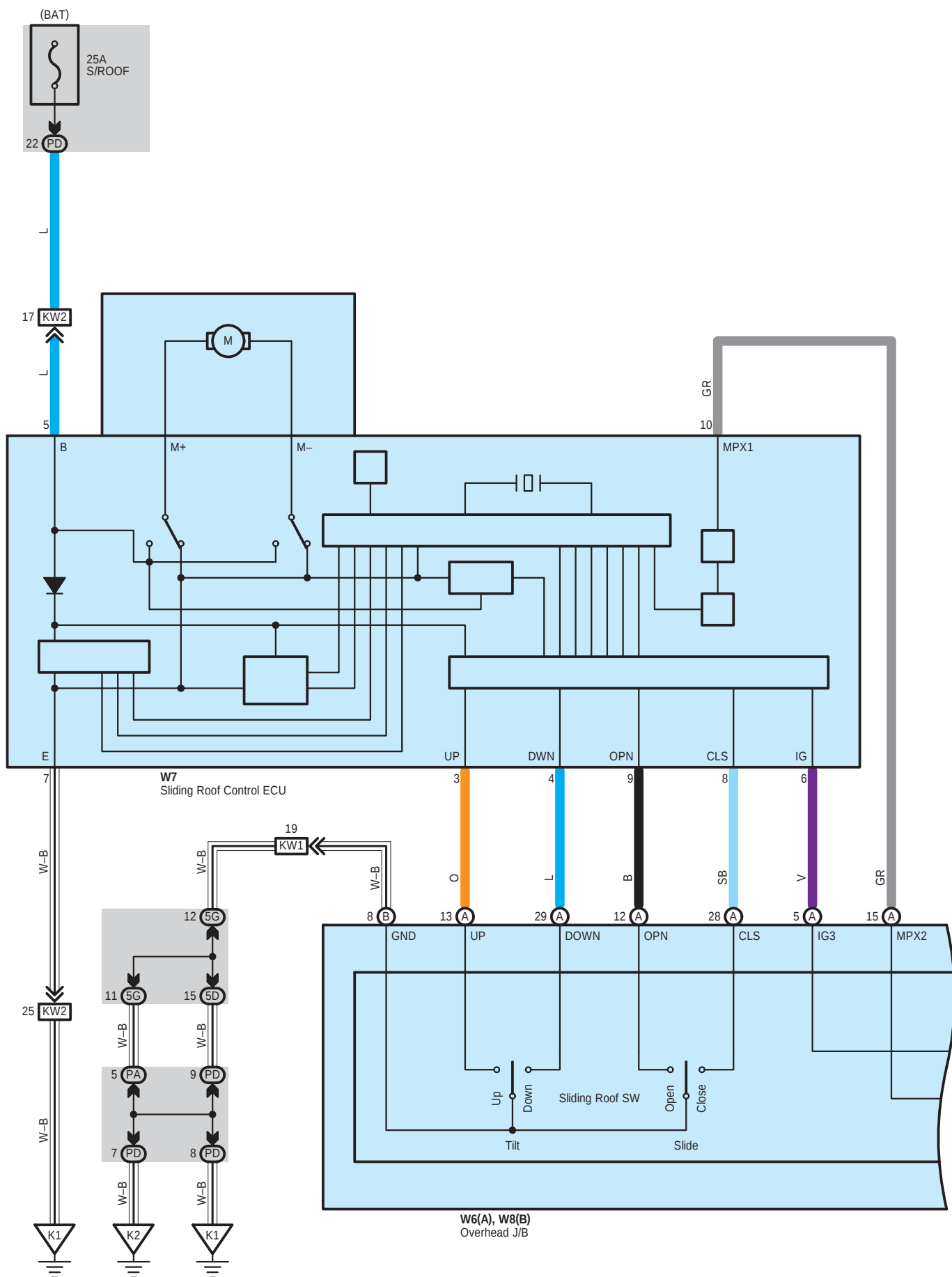


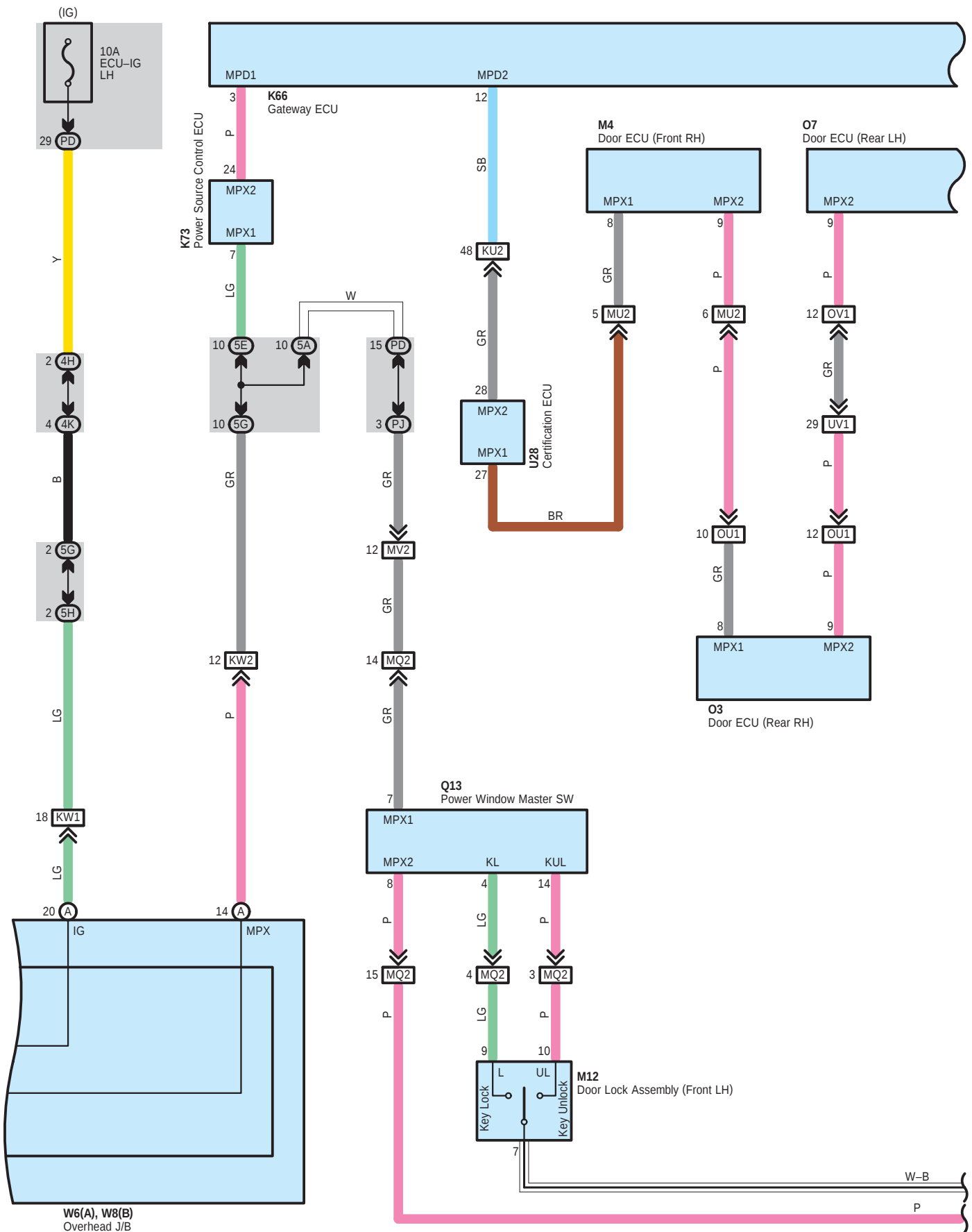
: Ground Points

| Code | See Page | Ground Points Location       |
|------|----------|------------------------------|
| K1   | 97       | Left Kick Panel              |
| K2   | 97       | Left Side of the Shift Lever |
| K4   | 97       | Right Kick Panel             |

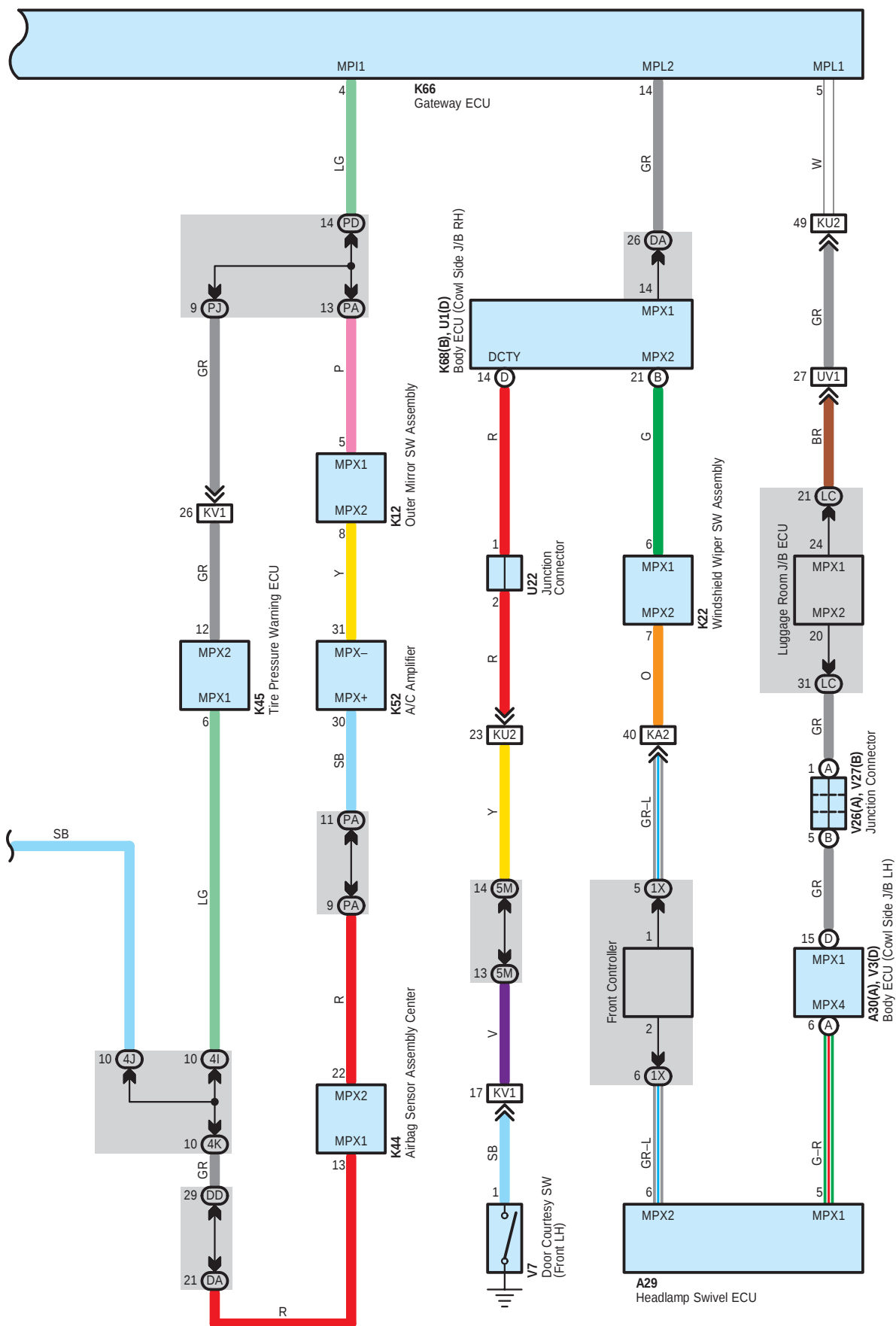


# Sliding Roof









# Sliding Roof

## : Parts Location

| Code    | See Page | Code    | See Page | Code    | See Page |
|---------|----------|---------|----------|---------|----------|
| A29     | 84       | K66     | 86       | U1   D  | 87       |
| A30   A | 84       | K68   B | 86       | U22     | 90       |
| A32   A | 84       | K73     | 86       | U28     | 90       |
| A33   B | 84       | M4      | 88       | V3   D  | 87       |
| K12     | 85       | M9   A  | 88       | V7      | 91       |
| K22     | 85       | M10   B | 88       | V26   A | 91       |
| K31     | 85       | M12     | 88       | V27   B | 91       |
| K44     | 86       | O3      | 88       | W6   A  | 92       |
| K45     | 86       | O7      | 88       | W7      | 92       |
| K52     | 86       | Q13     | 89       | W8   B  | 92       |

## : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location)            |
|------|----------|------------------------------------------------|
| 1    | 24       | 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)                                       |
|------|----------|--------------------------------------------------------------------------------------------|
| 1X   | 29       | Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment left)                   |
| 4A   | 70       | Instrument Panel Wire and Center J/B RH (Right Side of the Instrument Panel Reinforcement) |
| 4C   |          |                                                                                            |
| 4D   |          |                                                                                            |
| 4E   |          |                                                                                            |
| 4H   |          |                                                                                            |
| 4I   |          |                                                                                            |
| 4J   |          |                                                                                            |
| 4K   |          |                                                                                            |
| 5A   | 66       | Instrument Panel Wire and Center J/B LH (Right Side of the Instrument Panel Reinforcement) |
| 5D   |          |                                                                                            |
| 5E   |          |                                                                                            |
| 5G   |          |                                                                                            |
| 5H   |          |                                                                                            |
| 5M   |          |                                                                                            |
| DA   | 55       | Instrument Panel Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| DD   |          |                                                                                            |
| DK   | 56       | Engine Room Main Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| LC   | 63       | Floor No.2 Wire and Luggage Room J/B (Left Side of the Quarter Panel )                     |
| PA   | 49       | Instrument Panel Wire and Cowl Side J/B LH (Lower Finish Panel)                            |
| PD   |          |                                                                                            |
| PJ   | 50       | Floor No.2 Wire and Cowl Side J/B LH (Lower Finish Panel)                                  |

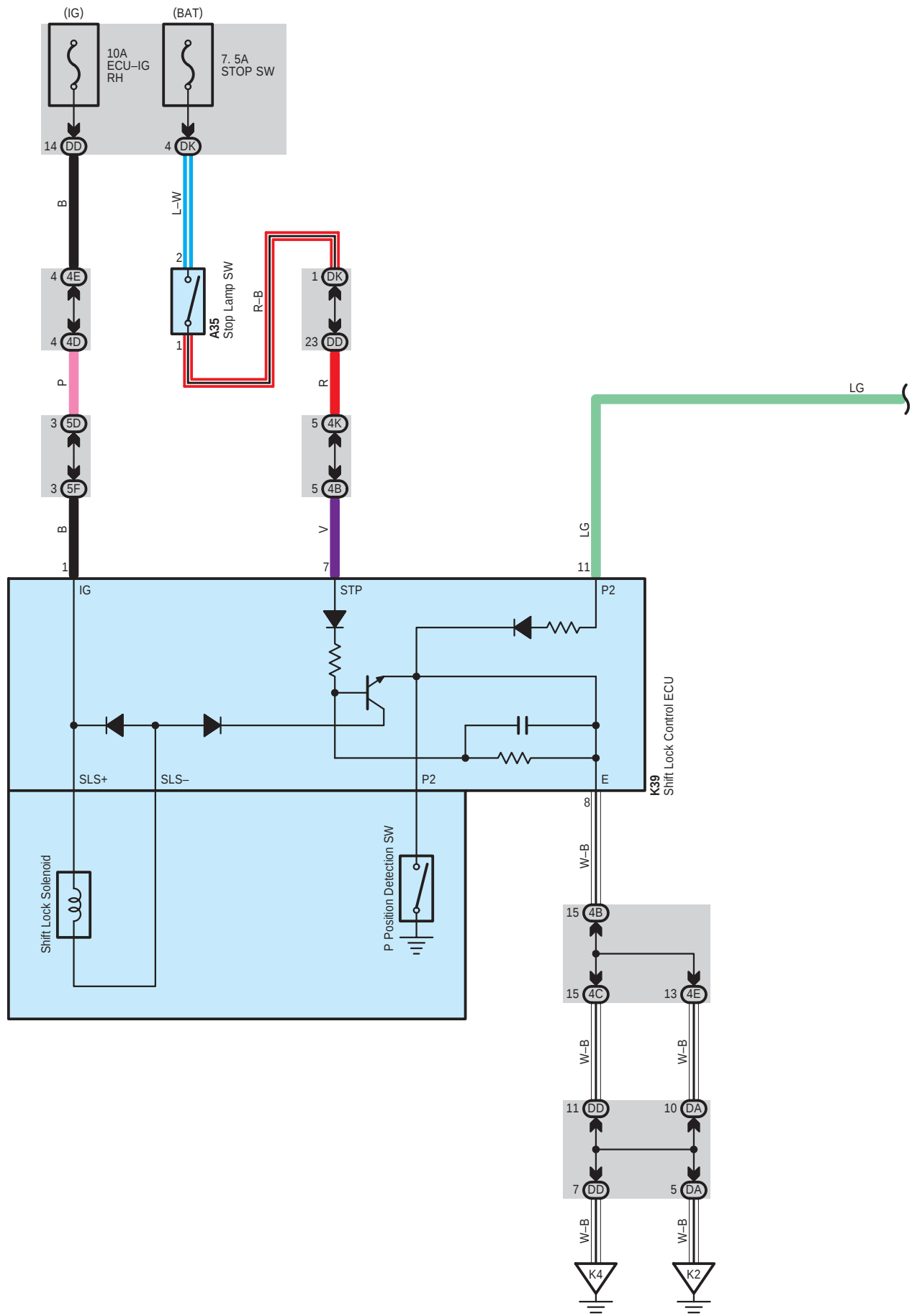
 : Connector Joining Wire Harness and Wire Harness

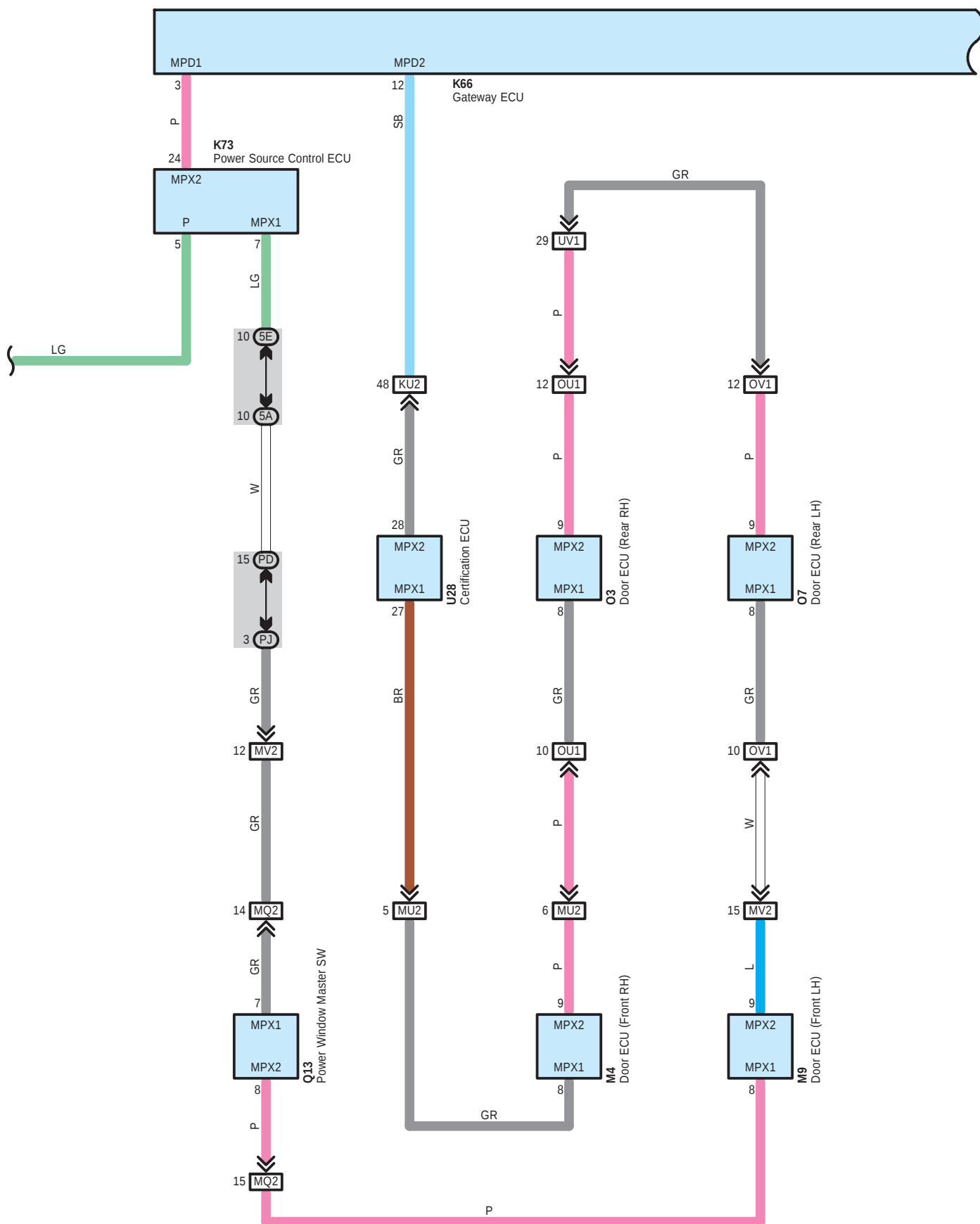
| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location)                     |
|------|----------|--------------------------------------------------------------------------------|
| KA2  | 97       | Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)              |
| KU2  | 97       | Instrument Panel Wire and Floor No.1 Wire (Right Kick Panel)                   |
| KV1  | 97       | Instrument Panel Wire and Floor No.2 Wire (Left Kick Panel)                    |
| KW1  | 97       | Instrument Panel Wire and Roof Wire (Left Side of the Instrument Panel)        |
| KW2  |          |                                                                                |
| MQ2  | 98       | Front Door LH Wire and Front Door LH No.2 Wire (Front Door Inner Panel LH)     |
| MU2  | 97       | Front Door RH Wire and Floor No.1 Wire (Right Kick Panel)                      |
| MV2  | 97       | Front Door LH Wire and Floor No.2 Wire (Left Kick Panel)                       |
| OU1  | 98       | Rear Door No.1 Wire and Floor No.1 Wire (Right Center Pillar)                  |
| OV1  | 98       | Rear Door No.2 Wire and Floor No.2 Wire (Left Center Pillar)                   |
| UV1  | 98       | Floor No.1 Wire and Floor No.2 Wire (Center of the Rear Floor Partition Panel) |

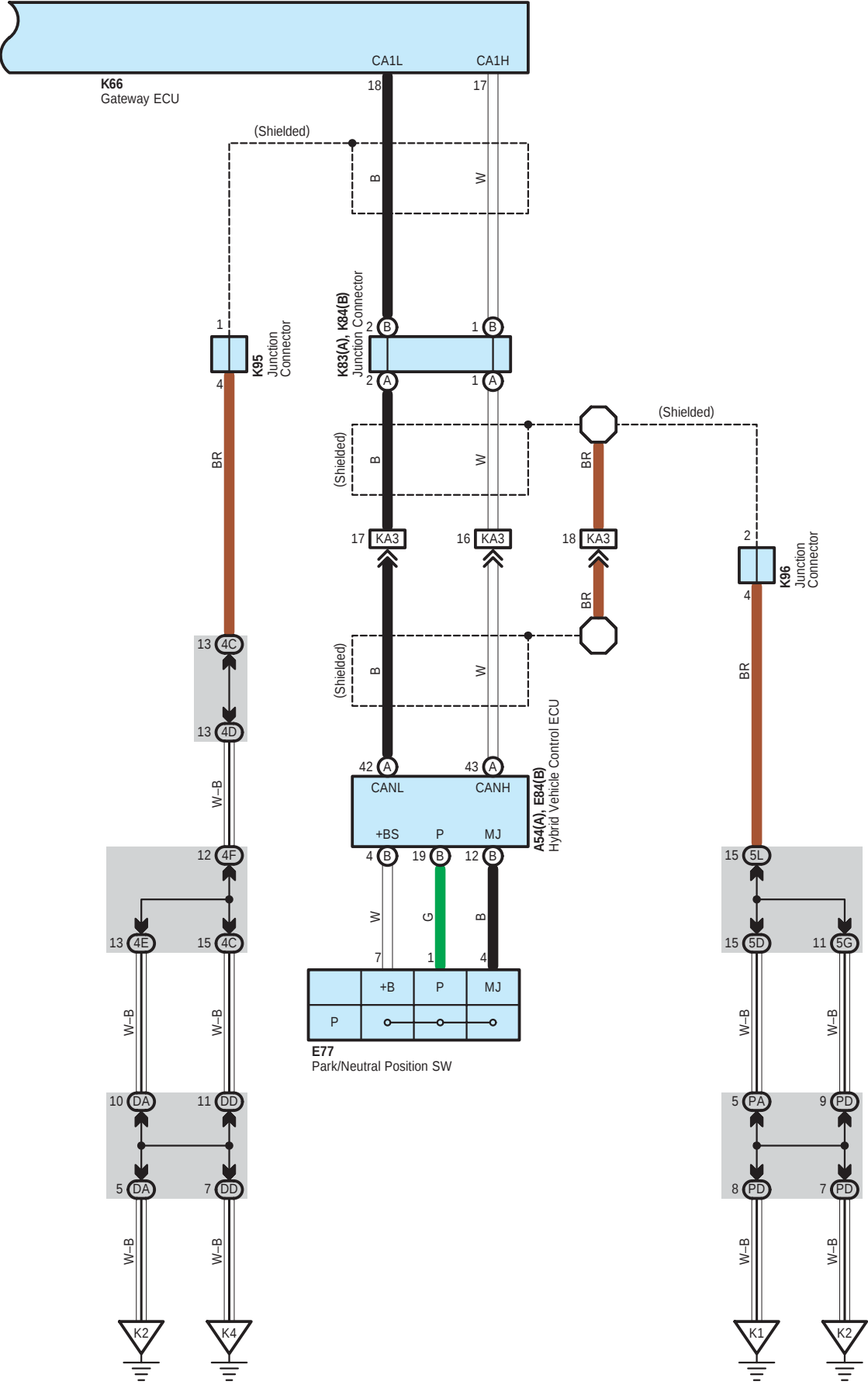
 : Ground Points

| Code | See Page | Ground Points Location       |
|------|----------|------------------------------|
| K1   | 97       | Left Kick Panel              |
| K2   | 97       | Left Side of the Shift Lever |
| K4   | 97       | Right Kick Panel             |

# Shift Lock







 : Parts Location

| Code    | See Page | Code    | See Page | Code | See Page |
|---------|----------|---------|----------|------|----------|
| A35     | 84       | K73     | 86       | M9   | 88       |
| A54   A | 80       | K83   A | 78, 86   | O3   | 88       |
| E77     | 81       | K84   B | 78, 86   | O7   | 88       |
| E84   B | 81       | K95     | 86       | Q13  | 89       |
| K39     | 85       | K96     | 86       | U28  | 90       |
| K66     | 86       | M4      | 88       |      |          |

 : Junction Block and Wire Harness Connector

| Code | See Page | Junction Block and Wire Harness (Connector Location)                                       |
|------|----------|--------------------------------------------------------------------------------------------|
| 4B   | 70       | Instrument Panel Wire and Center J/B RH (Right Side of the Instrument Panel Reinforcement) |
| 4C   |          |                                                                                            |
| 4D   |          |                                                                                            |
| 4E   |          |                                                                                            |
| 4F   |          |                                                                                            |
| 4K   |          |                                                                                            |
| 5A   | 66       | Instrument Panel Wire and Center J/B LH (Right Side of the Instrument Panel Reinforcement) |
| 5D   |          |                                                                                            |
| 5E   |          |                                                                                            |
| 5F   |          |                                                                                            |
| 5G   |          |                                                                                            |
| 5L   |          |                                                                                            |
| DA   | 55       | Instrument Panel Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| DD   |          |                                                                                            |
| DK   | 56       | Engine Room Main Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| PA   | 49       | Instrument Panel Wire and Cowl Side J/B LH (Lower Finish Panel)                            |
| PD   |          |                                                                                            |
| PJ   | 50       | Floor No.2 Wire and Cowl Side J/B LH (Lower Finish Panel)                                  |

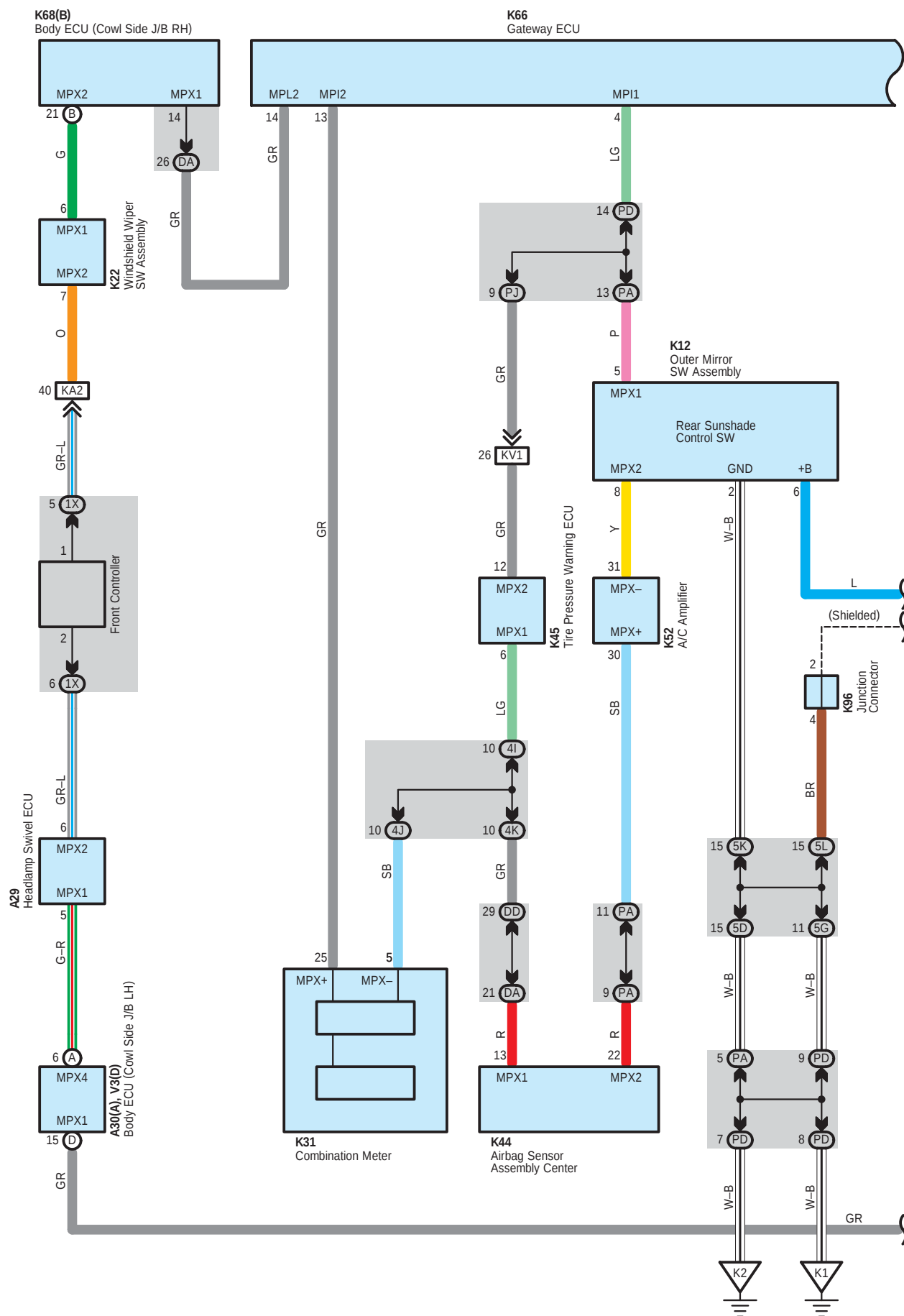
 : Connector Joining Wire Harness and Wire Harness

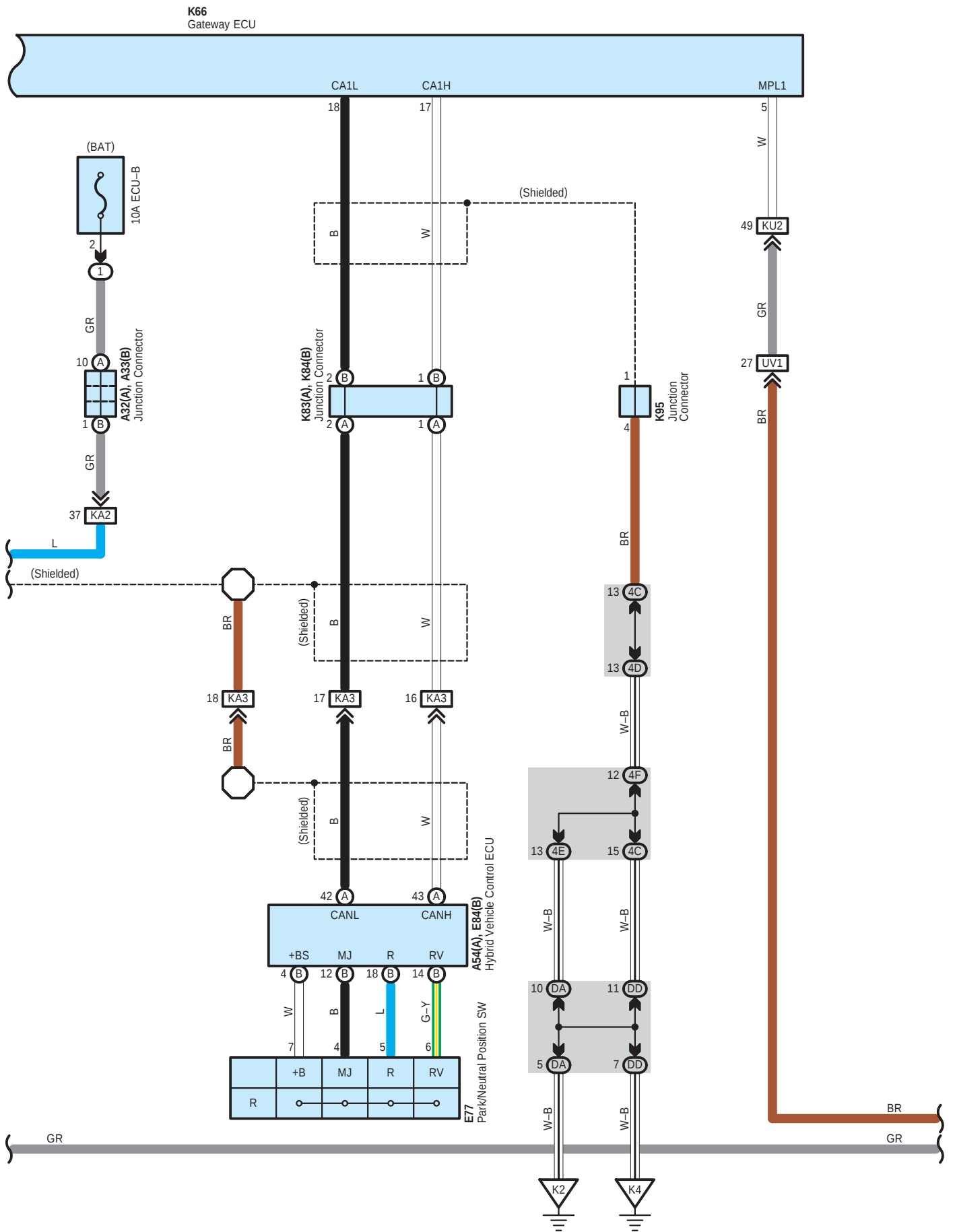
| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location)                     |
|------|----------|--------------------------------------------------------------------------------|
| KA3  | 97       | Instrument Panel Wire and Engine Room Main Wire (Right Kick Panel)             |
| KU2  | 97       | Instrument Panel Wire and Floor No.1 Wire (Right Kick Panel)                   |
| MQ2  | 98       | Front Door LH Wire and Front Door LH No.2 Wire (Front Door Inner Panel LH)     |
| MU2  | 97       | Front Door RH Wire and Floor No.1 Wire (Right Kick Panel)                      |
| MV2  | 97       | Front Door LH Wire and Floor No.2 Wire (Left Kick Panel)                       |
| OU1  | 98       | Rear Door No.1 Wire and Floor No.1 Wire (Right Center Pillar)                  |
| OV1  | 98       | Rear Door No.2 Wire and Floor No.2 Wire (Left Center Pillar)                   |
| UV1  | 98       | Floor No.1 Wire and Floor No.2 Wire (Center of the Rear Floor Partition Panel) |

 : Ground Points

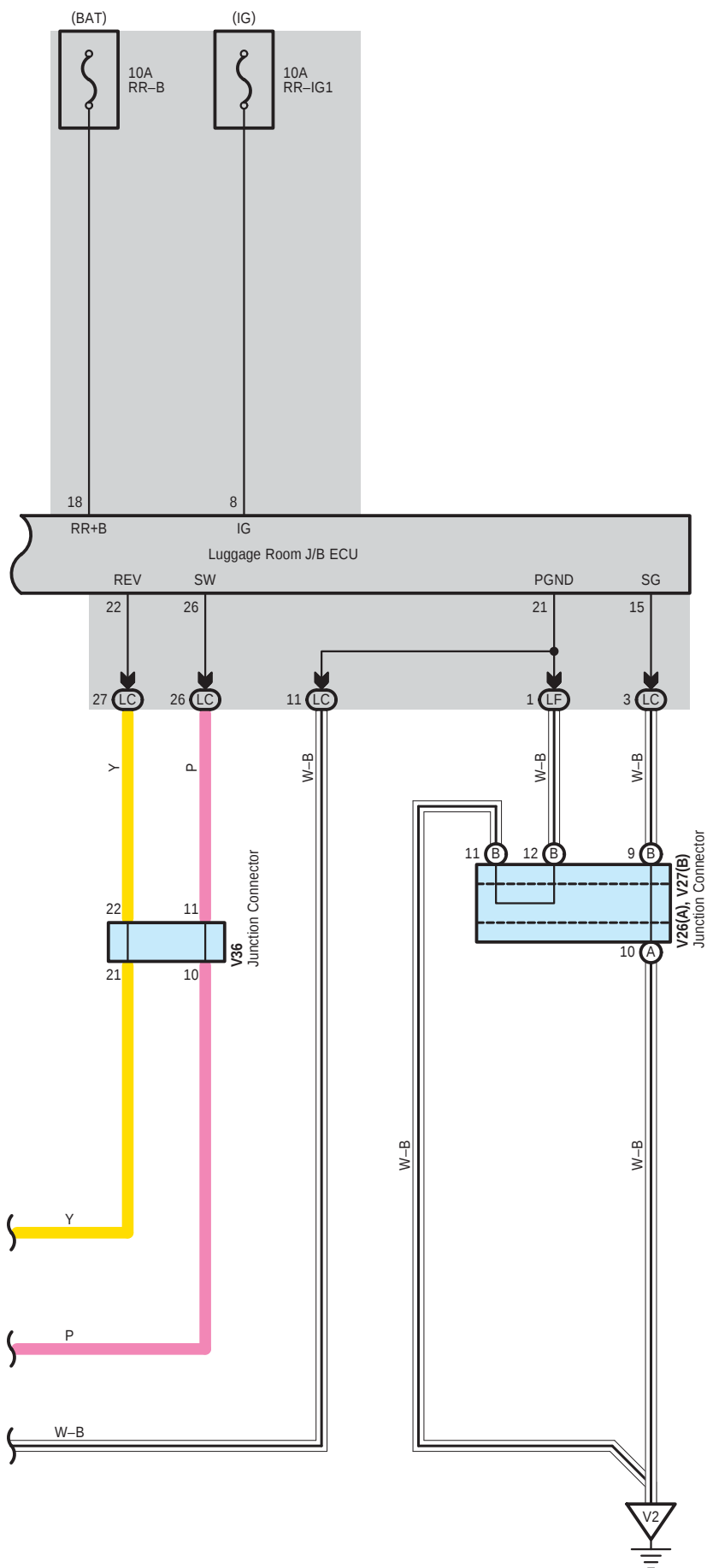
| Code | See Page | Ground Points Location       |
|------|----------|------------------------------|
| K1   | 97       | Left Kick Panel              |
| K2   | 97       | Left Side of the Shift Lever |
| K4   | 97       | Right Kick Panel             |

# Rear Sunshade









# Rear Sunshade

## : Parts Location

| Code | See Page | Code | See Page | Code | See Page |
|------|----------|------|----------|------|----------|
| A29  | 84       | K22  | 85       | K84  | B 78, 86 |
| A30  | A 84     | K31  | 85       | K95  | 86       |
| A32  | A 84     | K44  | 86       | K96  | 86       |
| A33  | B 84     | K45  | 86       | V3   | D 87     |
| A54  | A 80     | K52  | 86       | V25  | 91       |
| E77  | 81       | K66  | 86       | V26  | A 91     |
| E84  | B 81     | K68  | B 86     | V27  | B 91     |
| K12  | 85       | K83  | A 78, 86 | V36  | 91       |

## : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location)            |
|------|----------|------------------------------------------------|
| 1    | 24       | 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)                                       |
|------|----------|--------------------------------------------------------------------------------------------|
| 1A   | 27       | Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment left)                   |
| 1X   | 29       |                                                                                            |
| 4C   | 70       | Instrument Panel Wire and Center J/B RH (Right Side of the Instrument Panel Reinforcement) |
| 4D   |          |                                                                                            |
| 4E   |          |                                                                                            |
| 4F   |          |                                                                                            |
| 4I   |          |                                                                                            |
| 4J   |          |                                                                                            |
| 4K   |          |                                                                                            |
| 5D   | 66       | Instrument Panel Wire and Center J/B LH (Right Side of the Instrument Panel Reinforcement) |
| 5G   |          |                                                                                            |
| 5K   |          |                                                                                            |
| 5L   |          |                                                                                            |
| DA   | 55       | Instrument Panel Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| DD   |          |                                                                                            |
| LB   | 63       | Floor No.2 Wire and Luggage Room J/B (Left Side of the Quarter Panel )                     |
| LC   |          |                                                                                            |
| LF   |          |                                                                                            |
| PA   | 49       | Instrument Panel Wire and Cowl Side J/B LH (Lower Finish Panel)                            |
| PD   |          |                                                                                            |
| PJ   | 50       | Floor No.2 Wire and Cowl Side J/B LH (Lower Finish Panel)                                  |
| PL   | 50       | Engine Room Main Wire and Cowl Side J/B LH (Lower Finish Panel)                            |

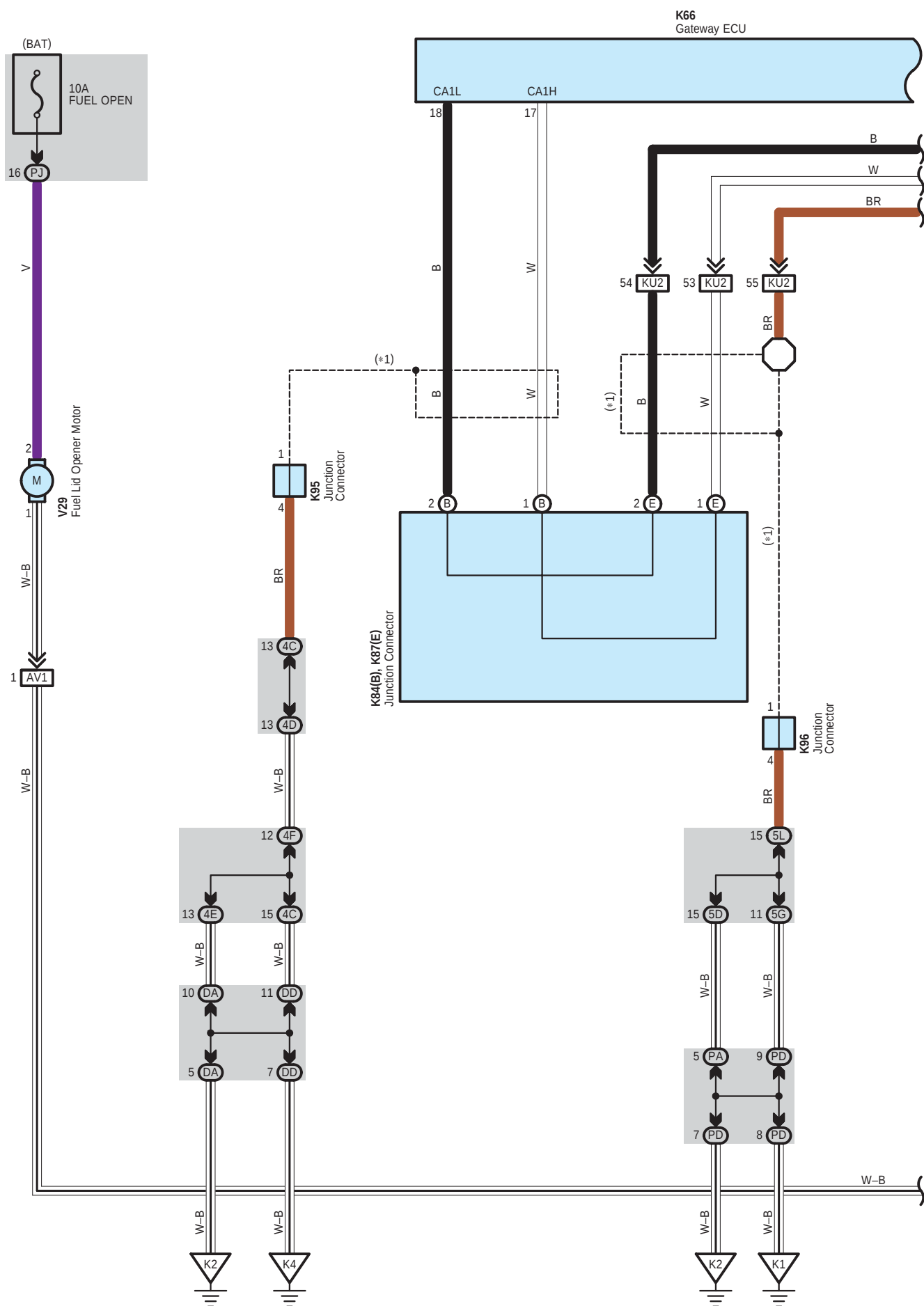
## : Connector Joining Wire Harness and Wire Harness

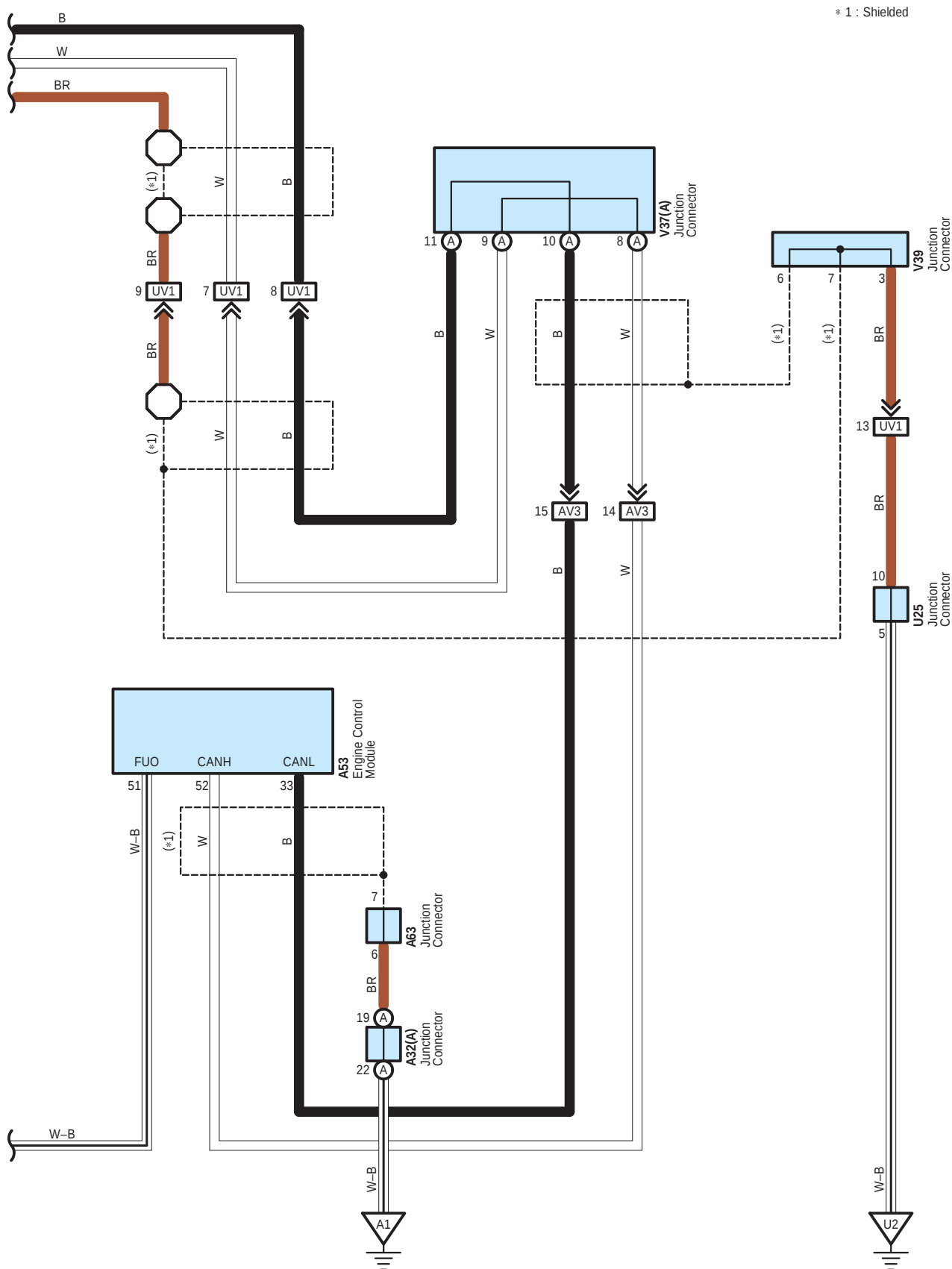
| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location)                     |
|------|----------|--------------------------------------------------------------------------------|
| AV2  | 97       | Engine Room Main Wire and Floor No.2 Wire (Cowl Side Panel LH)                 |
| KA2  | 97       | Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)              |
| KA3  | 97       | Instrument Panel Wire and Engine Room Main Wire (Right Kick Panel)             |
| KU2  | 97       | Instrument Panel Wire and Floor No.1 Wire (Right Kick Panel)                   |
| KV1  | 97       | Instrument Panel Wire and Floor No.2 Wire (Left Kick Panel)                    |
| UV1  | 98       | Floor No.1 Wire and Floor No.2 Wire (Center of the Rear Floor Partition Panel) |



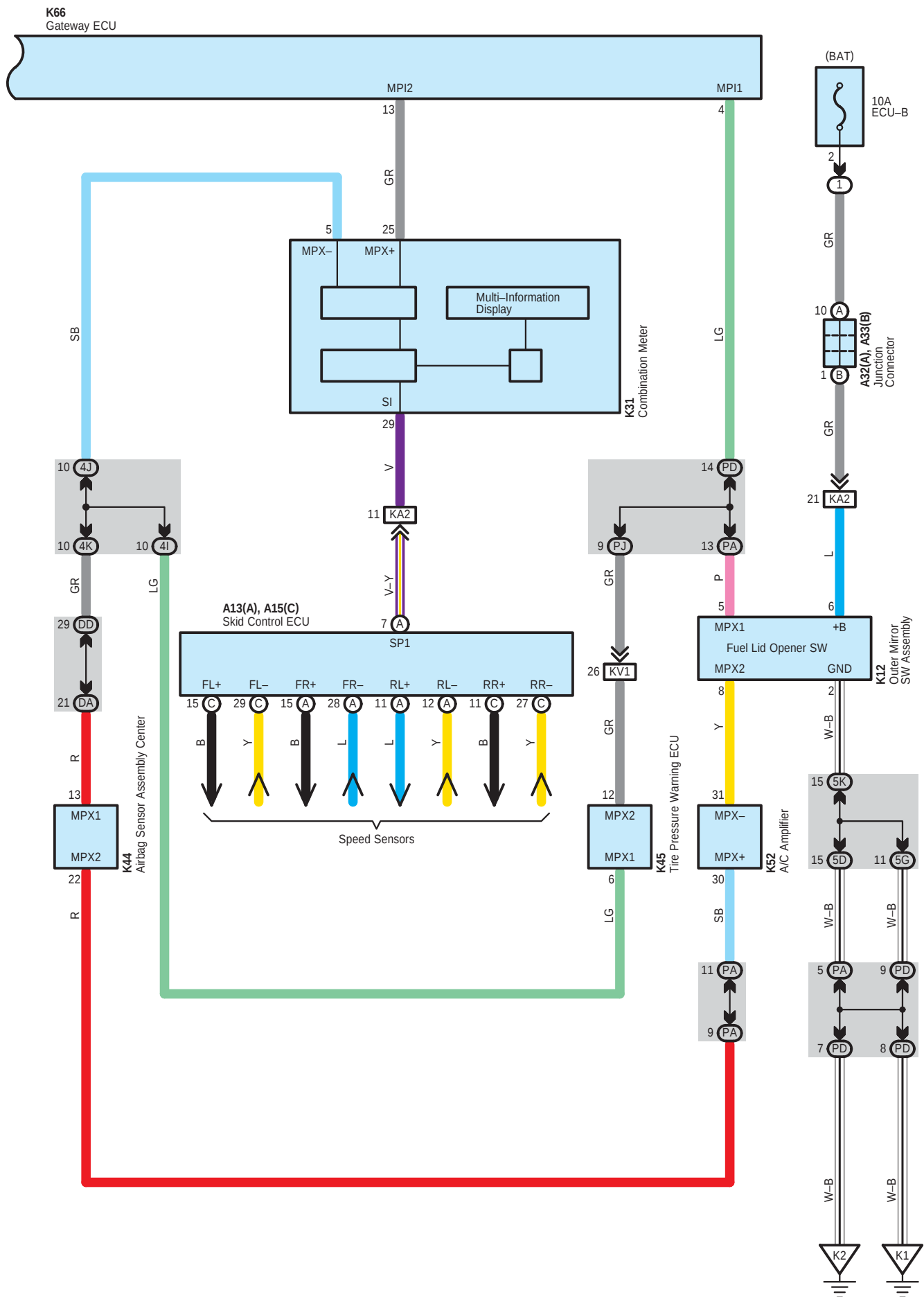
**: Ground Points**

| Code | See Page | Ground Points Location       |
|------|----------|------------------------------|
| K1   | 97       | Left Kick Panel              |
| K2   | 97       | Left Side of the Shift Lever |
| K4   | 97       | Right Kick Panel             |
| V2   | 98       | Roof Side Inner Panel LH     |





# Fuel Lid Opener



 : Parts Location

| Code |   | See Page | Code |    | See Page | Code |    | See Page |
|------|---|----------|------|----|----------|------|----|----------|
| A13  | A | 80       | K31  | 85 |          | K95  | 86 |          |
| A15  | C | 80       | K44  | 86 |          | K96  | 86 |          |
| A32  | A | 84       | K45  | 86 |          | U25  | 90 |          |
| A33  | B | 84       | K52  | 86 |          | V29  | 91 |          |
| A53  |   | 80       | K66  | 86 |          | V37  | A  | 91       |
| A63  |   | 84       | K84  | B  | 78, 86   | V39  |    | 91       |
| K12  |   | 85       | K87  | E  | 78, 86   |      |    |          |

 : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location)            |
|------|----------|------------------------------------------------|
| 1    | 24       | 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)                                       |
|------|----------|--------------------------------------------------------------------------------------------|
| 4C   | 70       | Instrument Panel Wire and Center J/B RH (Right Side of the Instrument Panel Reinforcement) |
| 4D   |          |                                                                                            |
| 4E   |          |                                                                                            |
| 4F   |          |                                                                                            |
| 4I   |          |                                                                                            |
| 4J   |          |                                                                                            |
| 4K   | 66       | Instrument Panel Wire and Center J/B LH (Right Side of the Instrument Panel Reinforcement) |
| 5D   |          |                                                                                            |
| 5G   |          |                                                                                            |
| 5K   |          |                                                                                            |
| 5L   | 55       | Instrument Panel Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| DA   |          |                                                                                            |
| DD   | 49       | Instrument Panel Wire and Cowl Side J/B LH (Lower Finish Panel)                            |
| PA   |          |                                                                                            |
| PD   |          |                                                                                            |
| PJ   | 50       | Floor No.2 Wire and Cowl Side J/B LH (Lower Finish Panel)                                  |

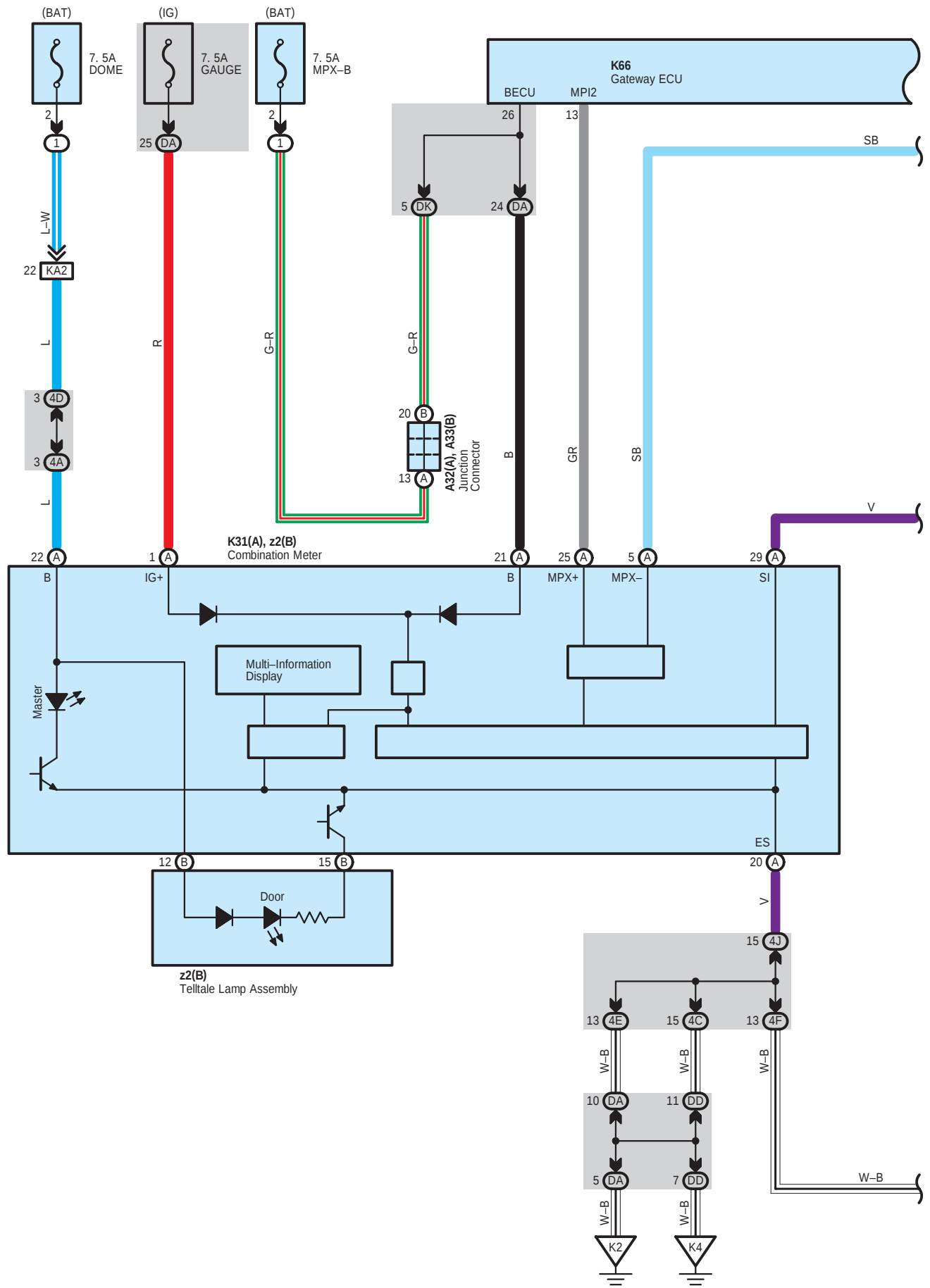
 : Connector Joining Wire Harness and Wire Harness

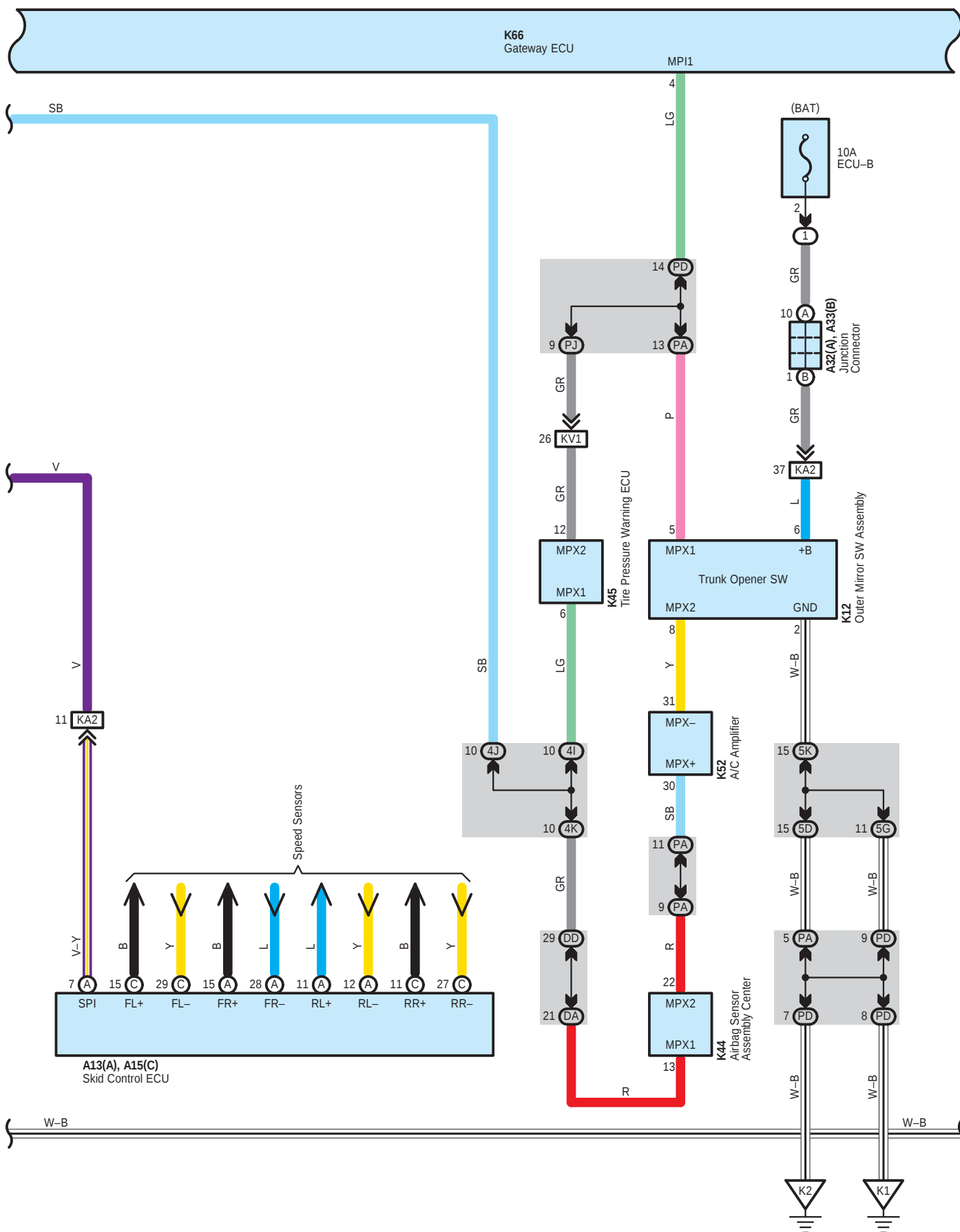
| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location)                     |
|------|----------|--------------------------------------------------------------------------------|
| AV1  | 97       | Engine Room Main Wire and Floor No.2 Wire (Cowl Side Panel LH)                 |
| AV3  |          |                                                                                |
| KA2  | 97       | Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)              |
| KU2  | 97       | Instrument Panel Wire and Floor No.1 Wire (Right Kick Panel)                   |
| KV1  | 97       | Instrument Panel Wire and Floor No.2 Wire (Left Kick Panel)                    |
| UV1  | 98       | Floor No.1 Wire and Floor No.2 Wire (Center of the Rear Floor Partition Panel) |

 : Ground Points

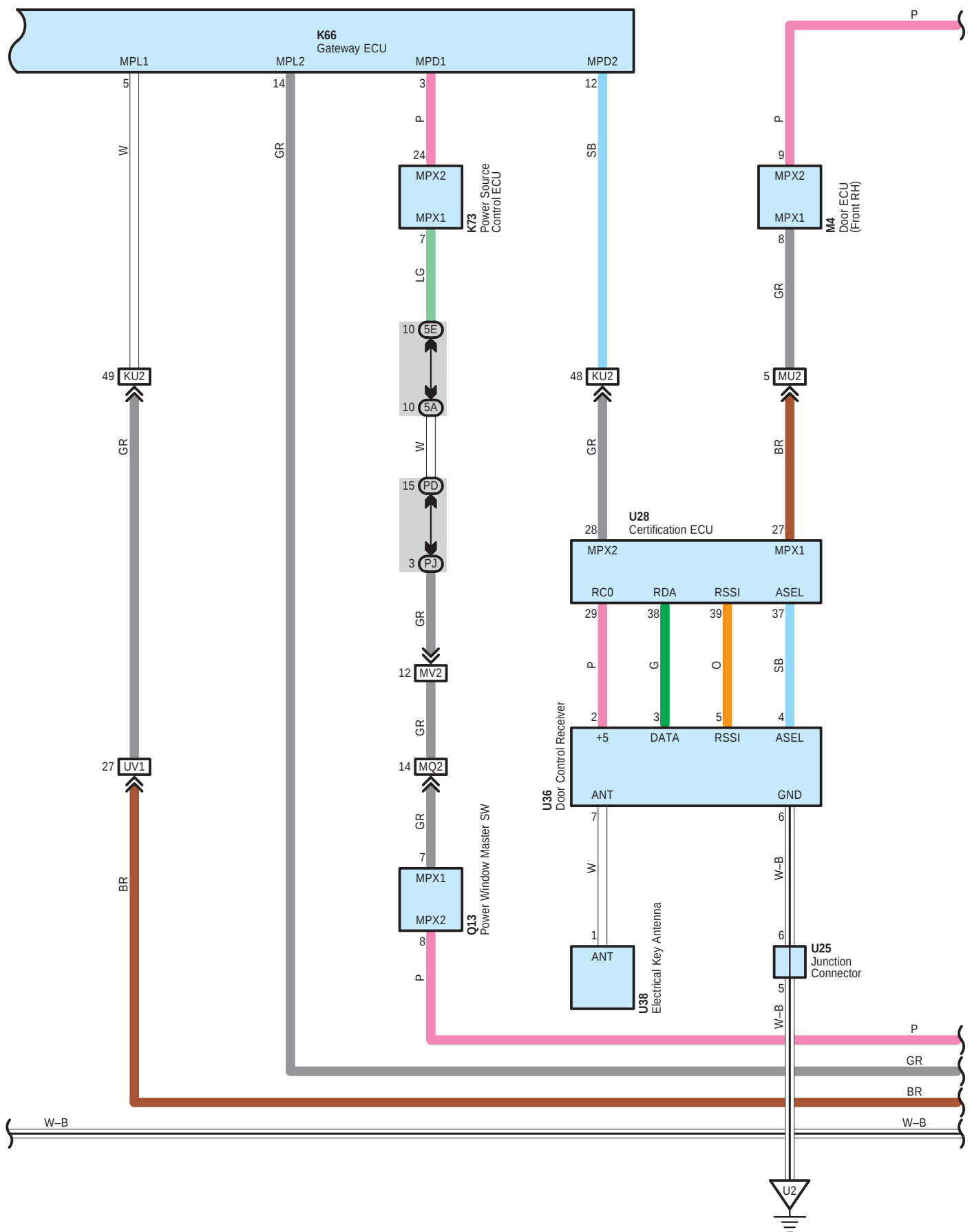
| Code | See Page | Ground Points Location                       |
|------|----------|----------------------------------------------|
| A1   | 96       | Left Side of the Dash Panel                  |
| K1   | 97       | Left Kick Panel                              |
| K2   | 97       | Left Side of the Shift Lever                 |
| K4   | 97       | Right Kick Panel                             |
| U2   | 98       | Right Side of the Rear Floor Partition Panel |

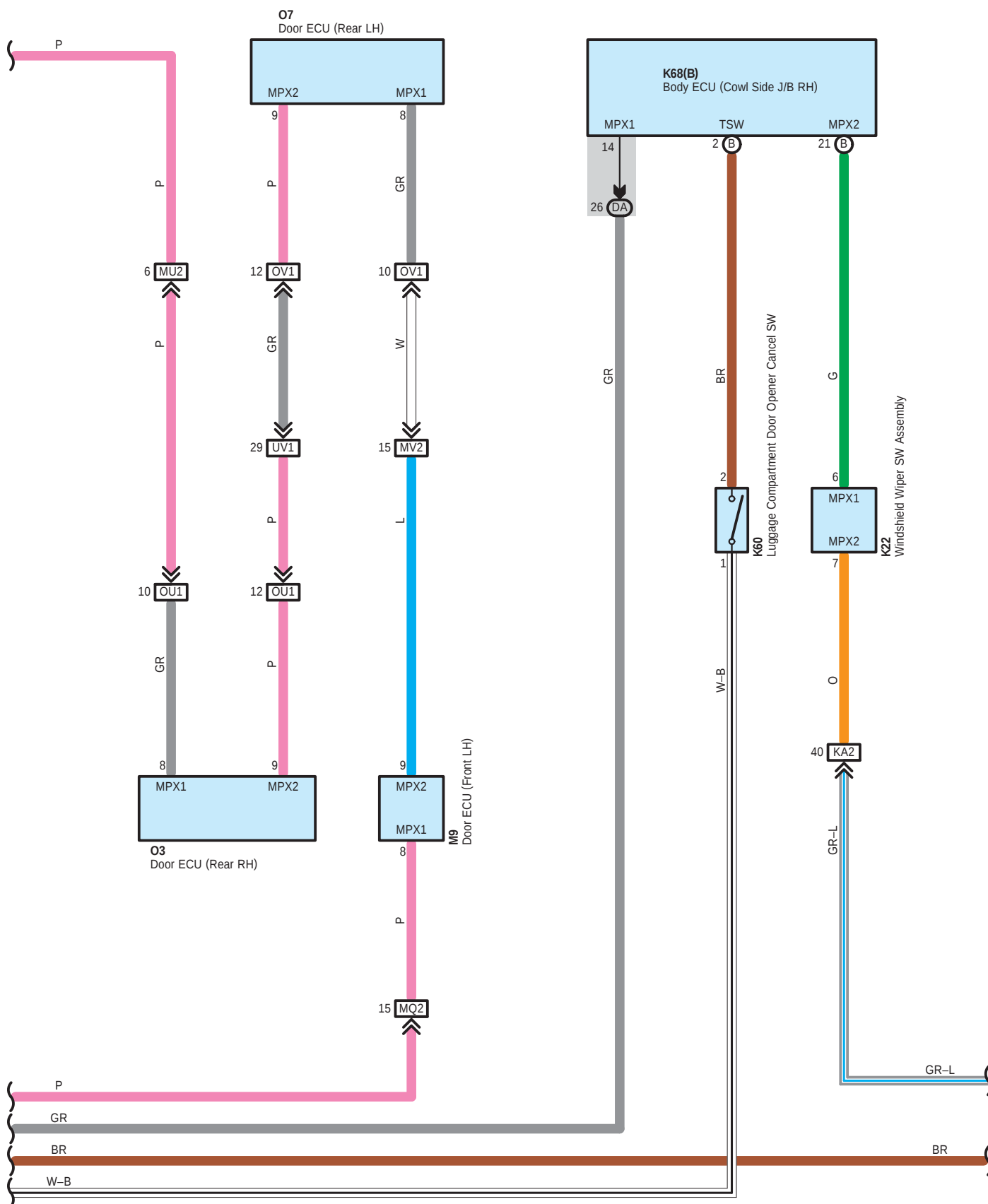
# Power Trunk Opener and Closer



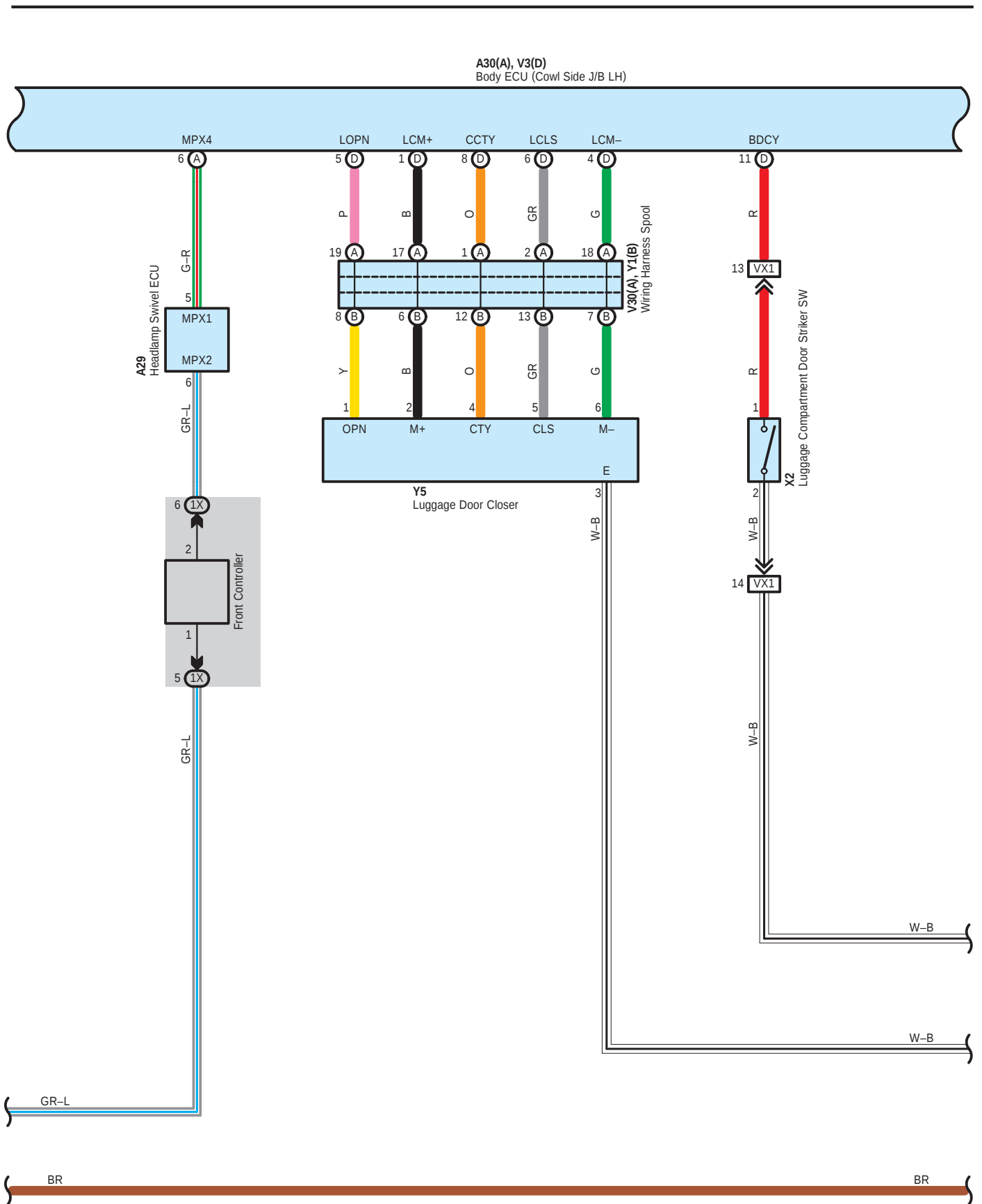


# Power Trunk Opener and Closer

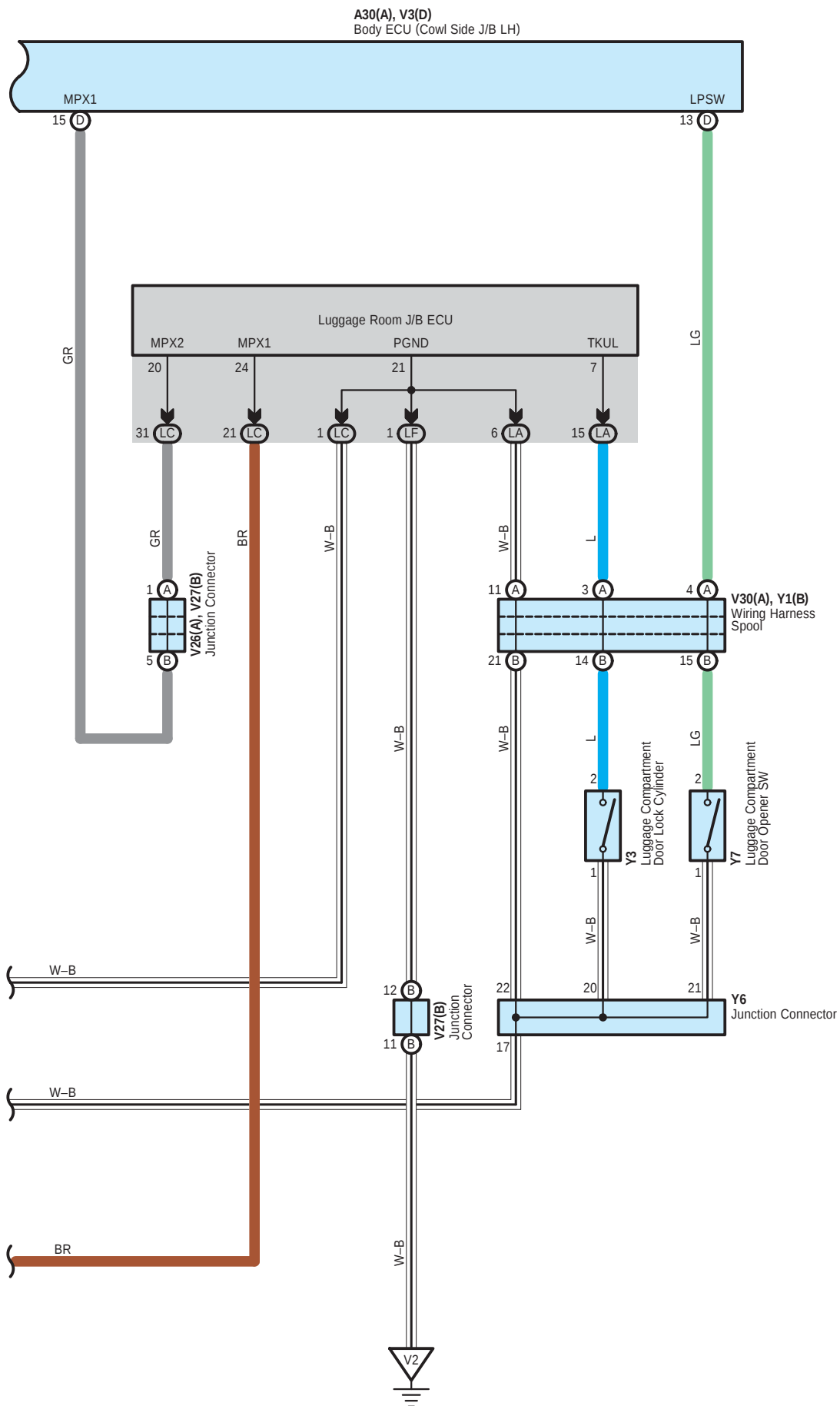








# Power Trunk Opener and Closer



 : Parts Location

| Code |   | See Page | Code |    | See Page | Code |   | See Page |
|------|---|----------|------|----|----------|------|---|----------|
| A13  | A | 80       | K60  | 86 |          | U38  |   | 90       |
| A15  | C | 80       | K66  | 86 |          | V3   | D | 87       |
| A29  |   | 84       | K68  | B  | 86       | V26  | A | 91       |
| A30  | A | 84       | K73  | 86 |          | V27  | B | 91       |
| A32  | A | 84       | M4   | 88 |          | V30  | A | 91       |
| A33  | B | 84       | M9   | 88 |          | X2   |   | 92       |
| K12  |   | 85       | O3   | 88 |          | Y1   | B | 92       |
| K22  |   | 85       | O7   | 88 |          | Y3   |   | 92       |
| K31  | A | 85       | Q13  | 89 |          | Y5   |   | 92       |
| K44  |   | 86       | U25  | 90 |          | Y6   |   | 92       |
| K45  |   | 86       | U28  | 90 |          | Y7   |   | 92       |
| K52  |   | 86       | U36  | 90 |          | z2   | B | 87       |

 : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location)            |
|------|----------|------------------------------------------------|
| 1    | 24       | 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)                                       |
|------|----------|--------------------------------------------------------------------------------------------|
| 1X   | 29       | Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment left)                   |
| 4A   | 70       | Instrument Panel Wire and Center J/B RH (Right Side of the Instrument Panel Reinforcement) |
| 4C   |          |                                                                                            |
| 4D   |          |                                                                                            |
| 4E   |          |                                                                                            |
| 4F   |          |                                                                                            |
| 4I   |          |                                                                                            |
| 4J   |          |                                                                                            |
| 4K   |          |                                                                                            |
| 5A   | 66       | Instrument Panel Wire and Center J/B LH (Right Side of the Instrument Panel Reinforcement) |
| 5D   |          |                                                                                            |
| 5E   |          |                                                                                            |
| 5G   |          |                                                                                            |
| 5K   |          |                                                                                            |
| DA   | 55       | Instrument Panel Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| DD   |          |                                                                                            |
| DK   | 56       | Engine Room Main Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| LA   | 62       | Floor No.2 Wire and Luggage Room J/B (Left Side of the Quarter Panel )                     |
| LC   | 63       |                                                                                            |
| LF   |          |                                                                                            |
| PA   | 49       |                                                                                            |
| PD   |          |                                                                                            |
| PJ   | 50       | Floor No.2 Wire and Cowl Side J/B LH (Lower Finish Panel)                                  |
| PL   | 50       | Engine Room Main Wire and Cowl Side J/B LH (Lower Finish Panel)                            |

## Power Trunk Opener and Closer

 : Connector Joining Wire Harness and Wire Harness

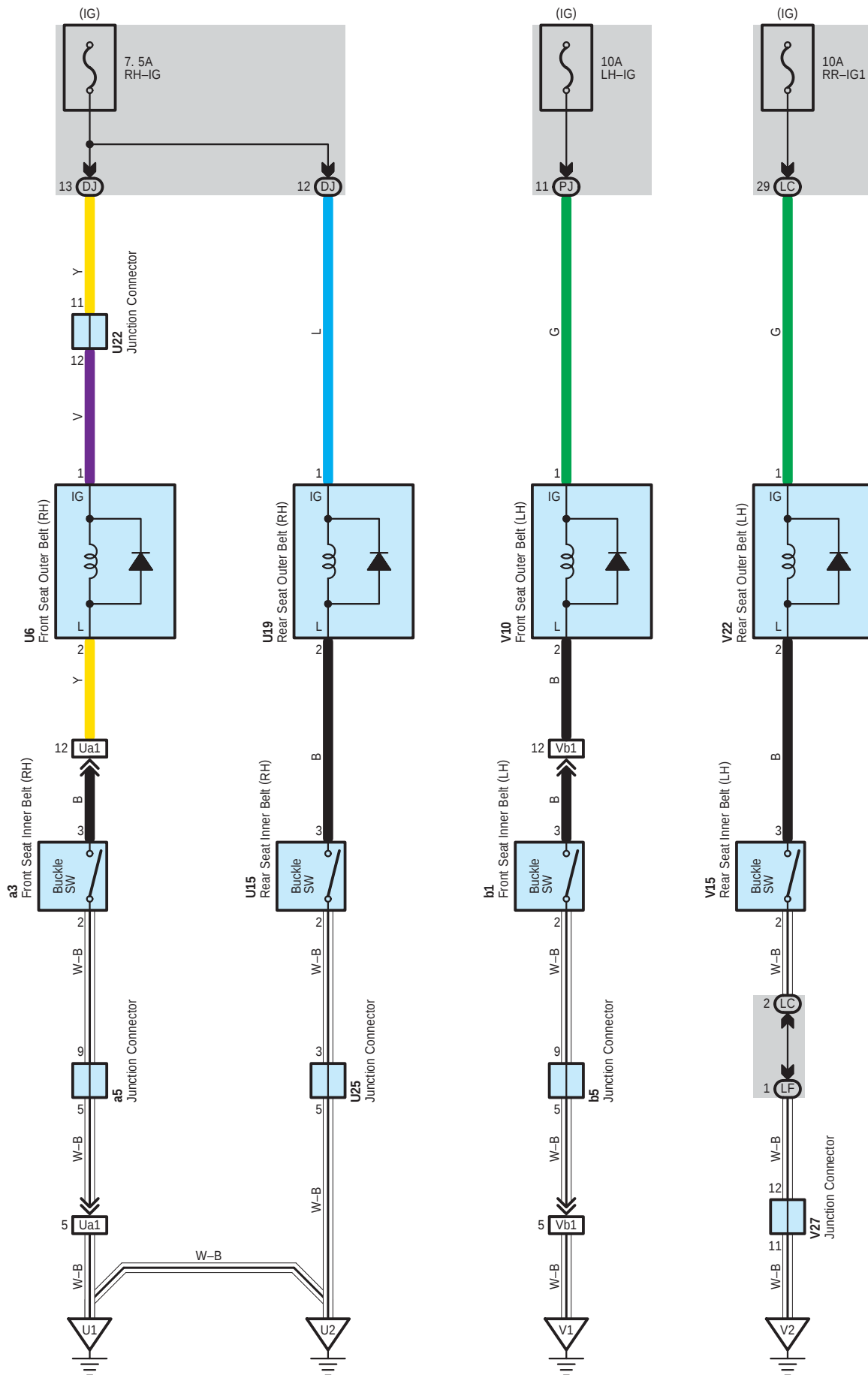
| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location)                     |
|------|----------|--------------------------------------------------------------------------------|
| KA2  | 97       | Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)              |
| KU2  | 97       | Instrument Panel Wire and Floor No.1 Wire (Right Kick Panel)                   |
| KV1  | 97       | Instrument Panel Wire and Floor No.2 Wire (Left Kick Panel)                    |
| MQ2  | 98       | Front Door LH Wire and Front Door LH No.2 Wire (Front Door Inner Panel LH)     |
| MU2  | 97       | Front Door RH Wire and Floor No.1 Wire (Right Kick Panel)                      |
| MV2  | 97       | Front Door LH Wire and Floor No.2 Wire (Left Kick Panel)                       |
| OU1  | 98       | Rear Door No.1 Wire and Floor No.1 Wire (Right Center Pillar)                  |
| OV1  | 98       | Rear Door No.2 Wire and Floor No.2 Wire (Left Center Pillar)                   |
| UV1  | 98       | Floor No.1 Wire and Floor No.2 Wire (Center of the Rear Floor Partition Panel) |
| VX1  | 98       | Floor No.2 Wire and Luggage Room Wire (Quarter Wheel House Inner Panel LH)     |

 : Ground Points

| Code | See Page | Ground Points Location                       |
|------|----------|----------------------------------------------|
| K1   | 97       | Left Kick Panel                              |
| K2   | 97       | Left Side of the Shift Lever                 |
| K4   | 97       | Right Kick Panel                             |
| U2   | 98       | Right Side of the Rear Floor Partition Panel |
| V2   | 98       | Roof Side Inner Panel LH                     |



# Electric Tension Reducer



 : Parts Location

| Code | See Page | Code | See Page | Code | See Page |
|------|----------|------|----------|------|----------|
| U6   | 90       | V10  | 91       | a5   | 94       |
| U15  | 90       | V15  | 91       | b1   | 94       |
| U19  | 90       | V22  | 91       | b5   | 94       |
| U22  | 90       | V27  | 91       |      |          |
| U25  | 90       | a3   | 94       |      |          |

 : Junction Block and Wire Harness Connector

| Code | See Page | Junction Block and Wire Harness (Connector Location)                   |
|------|----------|------------------------------------------------------------------------|
| DJ   | 56       | Floor Wire and Cowl Side J/B RH (Behind the Glove Box)                 |
| LC   | 63       | Floor No.2 Wire and Luggage Room J/B (Left Side of the Quarter Panel ) |
| LF   |          |                                                                        |
| PJ   | 50       | Floor No.2 Wire and Cowl Side J/B LH (Lower Finish Panel)              |

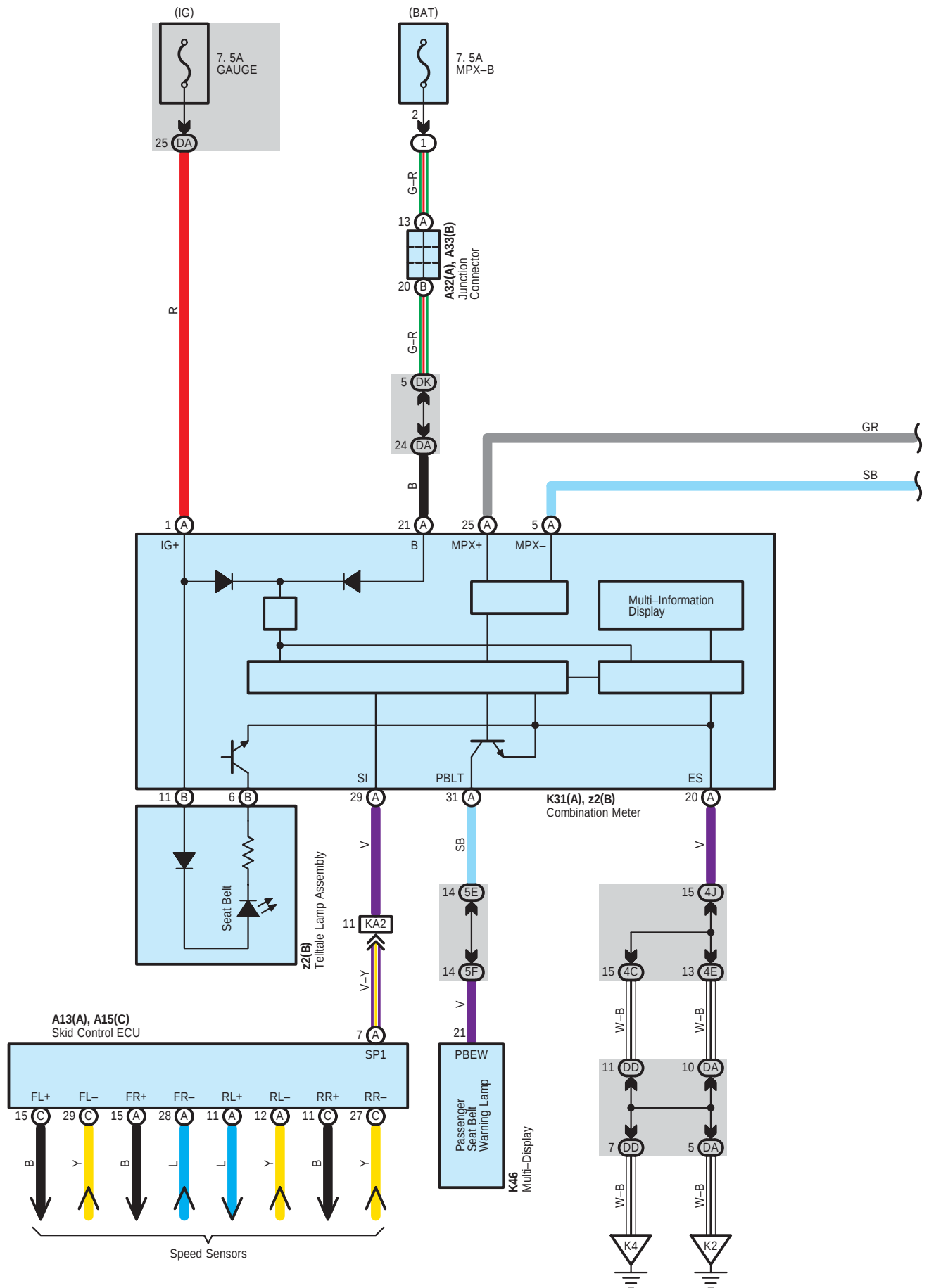
 : Connector Joining Wire Harness and Wire Harness

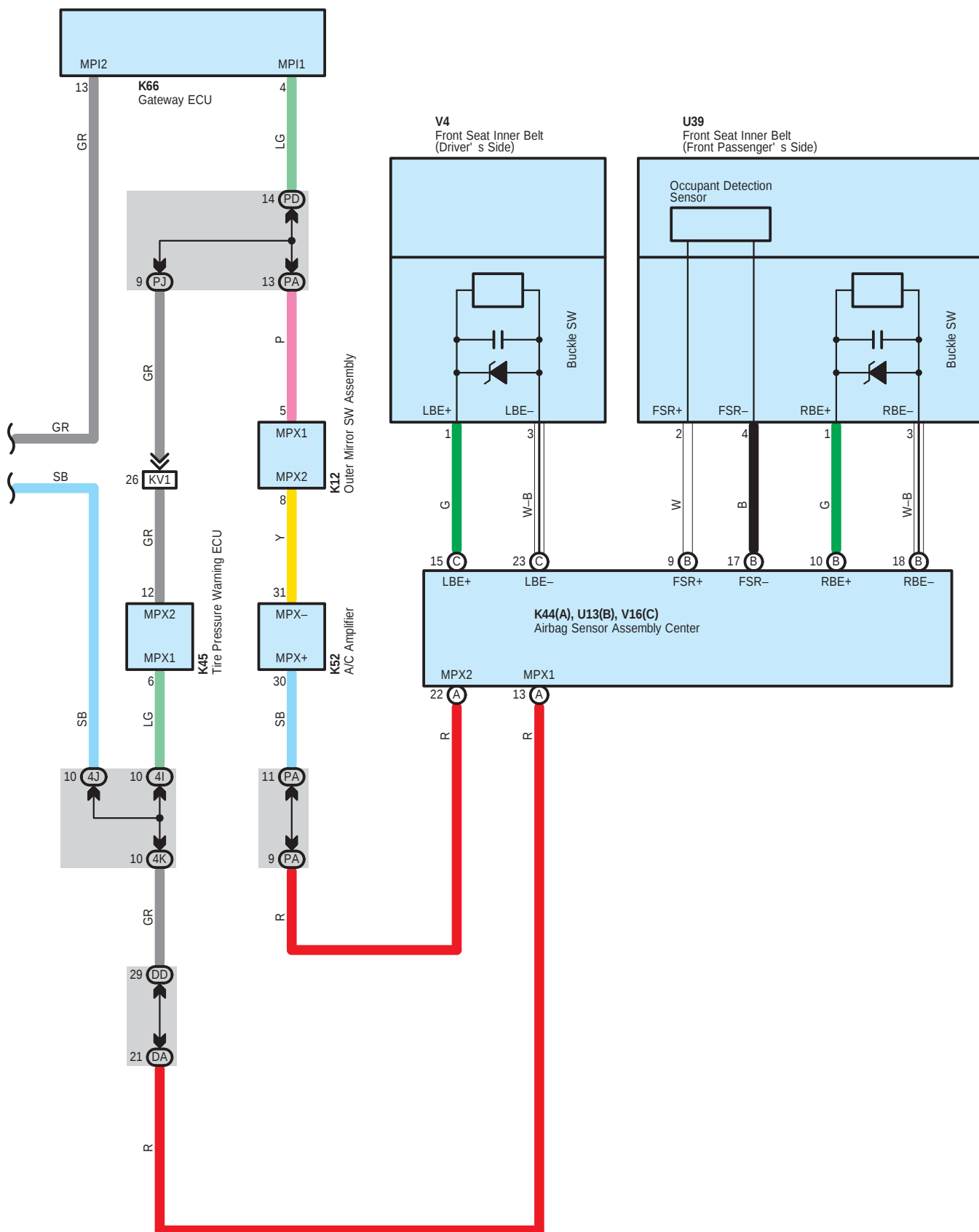
| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location)                |
|------|----------|---------------------------------------------------------------------------|
| Ua1  | 99       | Floor No.1 Wire and Front Seat RH Wire (Under the Front Passenger's Seat) |
| Vb1  | 99       | Floor No.2 Wire and Front Seat LH Wire (Under the Driver's Seat)          |

 : Ground Points

| Code | See Page | Ground Points Location                       |
|------|----------|----------------------------------------------|
| U1   | 98       | Under the Front Passenger's Seat             |
| U2   | 98       | Right Side of the Rear Floor Partition Panel |
| V1   | 98       | Under the Driver's Seat                      |
| V2   | 98       | Roof Side Inner Panel LH                     |

# Seat Belt Warning





# Seat Belt Warning

## : Parts Location

| Code |   | See Page | Code |   | See Page | Code |   | See Page |
|------|---|----------|------|---|----------|------|---|----------|
| A13  | A | 80       | K44  | A | 86       | U39  |   | 94       |
| A15  | C | 80       | K45  |   | 86       | V4   |   | 94       |
| A32  | A | 84       | K46  |   | 86       | V16  | C | 87       |
| A33  | B | 84       | K52  |   | 86       | z2   | B | 87       |
| K12  |   | 85       | K66  |   | 86       |      |   |          |
| K31  | A | 85       | U13  | B | 87       |      |   |          |

## : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location)            |
|------|----------|------------------------------------------------|
| 1    | 24       | 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)                                       |
|------|----------|--------------------------------------------------------------------------------------------|
| 4C   | 70       | Instrument Panel Wire and Center J/B RH (Right Side of the Instrument Panel Reinforcement) |
| 4E   |          |                                                                                            |
| 4I   |          |                                                                                            |
| 4J   |          |                                                                                            |
| 4K   |          |                                                                                            |
| 5E   | 66       | Instrument Panel Wire and Center J/B LH (Right Side of the Instrument Panel Reinforcement) |
| 5F   |          |                                                                                            |
| DA   | 55       | Instrument Panel Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| DD   |          |                                                                                            |
| DK   | 56       | Engine Room Main Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| PA   | 49       | Instrument Panel Wire and Cowl Side J/B LH (Lower Finish Panel)                            |
| PD   |          |                                                                                            |
| PJ   | 50       | Floor No.2 Wire and Cowl Side J/B LH (Lower Finish Panel)                                  |

## : Connector Joining Wire Harness and Wire Harness

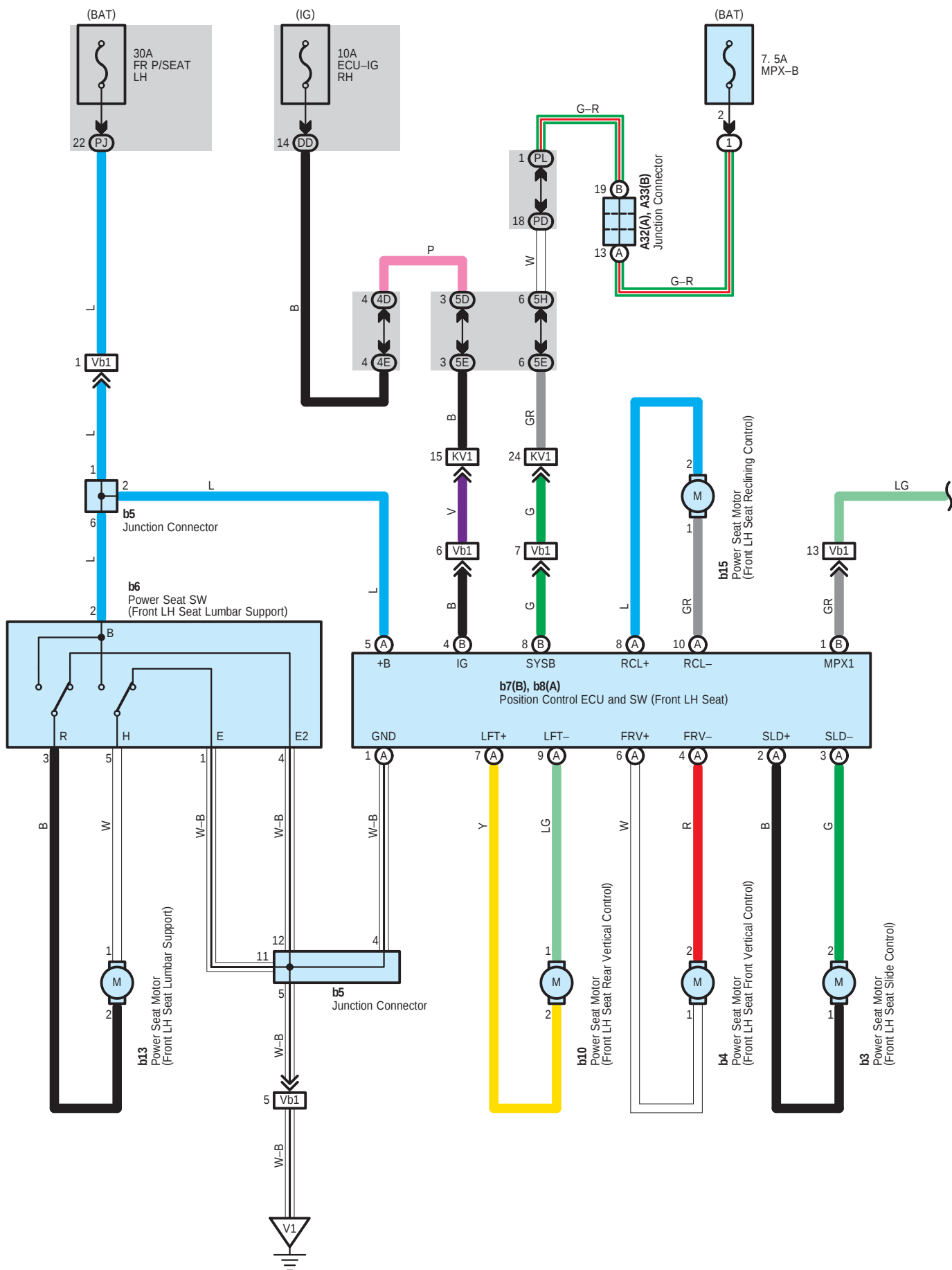
| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location)        |
|------|----------|-------------------------------------------------------------------|
| KA2  | 97       | Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel) |
| KV1  | 97       | Instrument Panel Wire and Floor No.2 Wire (Left Kick Panel)       |

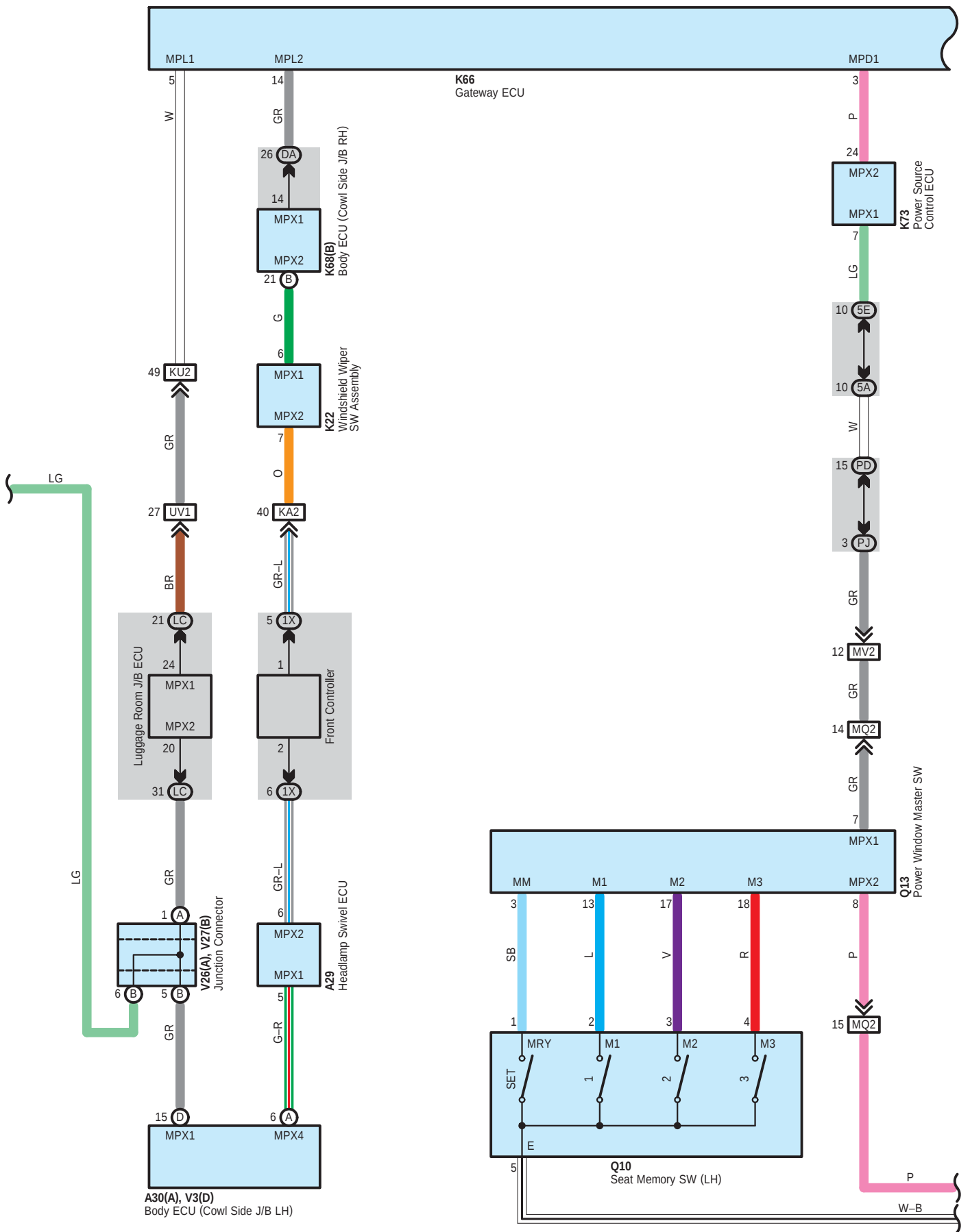
## : Ground Points

| Code | See Page | Ground Points Location       |
|------|----------|------------------------------|
| K2   | 97       | Left Side of the Shift Lever |
| K4   | 97       | Right Kick Panel             |

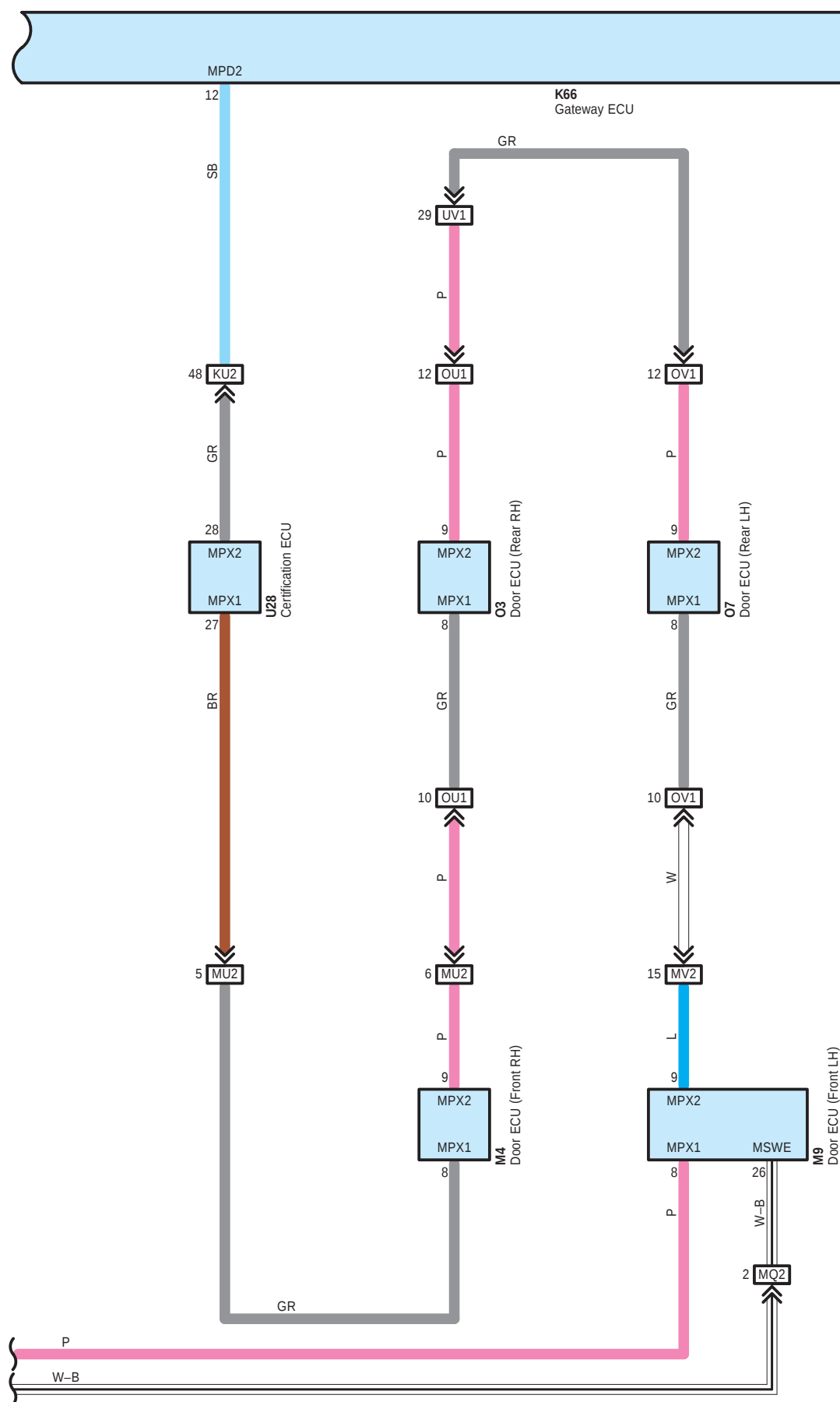


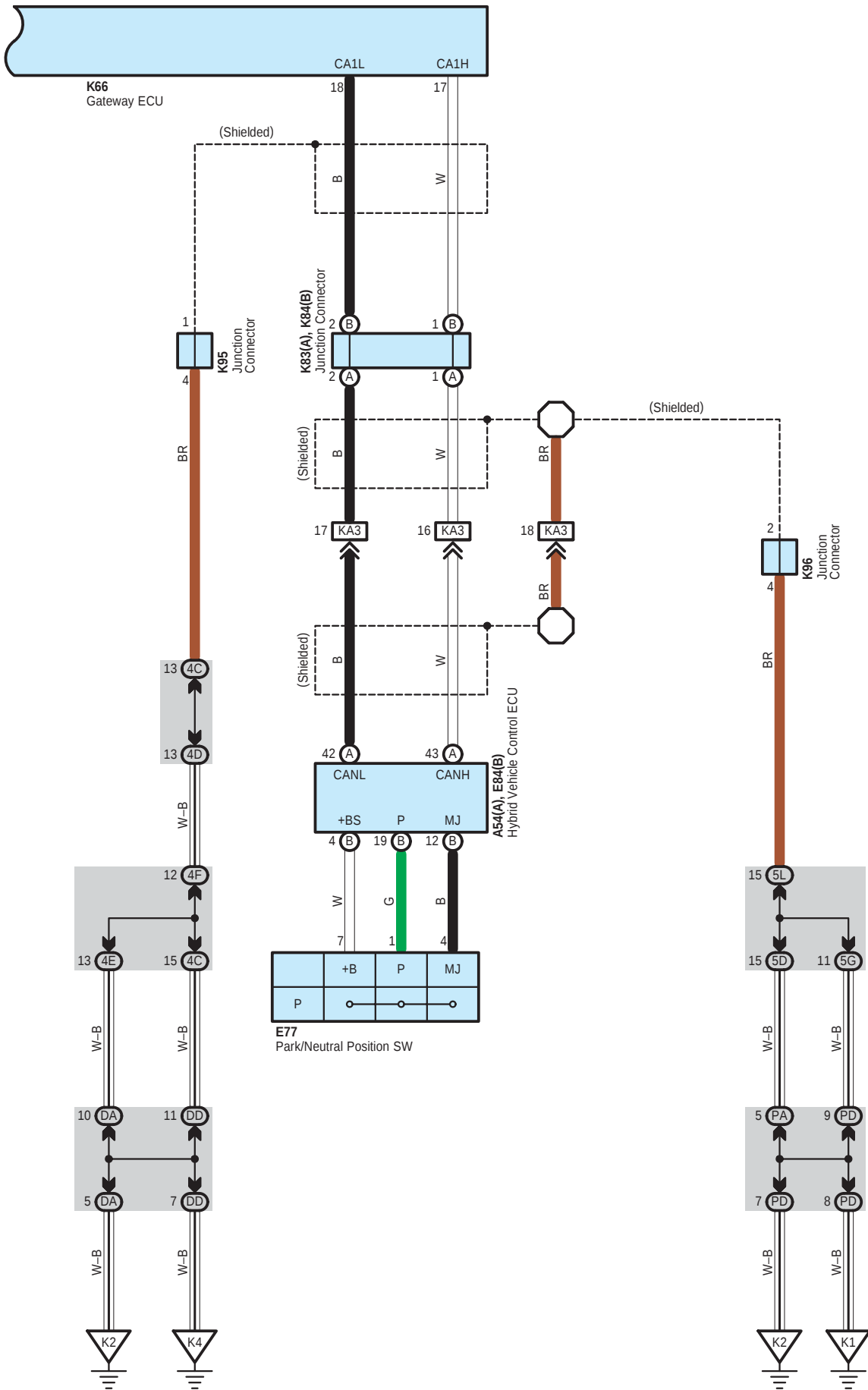
# Power Seat for Driver's Seat with Memory





## Power Seat for Driver's Seat with Memory





## Power Seat for Driver's Seat with Memory

### : Parts Location

| Code |   | See Page | Code |   | See Page | Code |   | See Page |
|------|---|----------|------|---|----------|------|---|----------|
| A29  |   | 84       | K84  | B | 78, 86   | V27  | B | 91       |
| A30  | A | 84       | K95  |   | 86       | b3   |   | 94       |
| A32  | A | 84       | K96  |   | 86       | b4   |   | 94       |
| A33  | B | 84       | M4   |   | 88       | b5   |   | 94       |
| A54  | A | 80       | M9   |   | 88       | b6   |   | 94       |
| E77  |   | 81       | O3   |   | 88       | b7   | B | 94       |
| E84  | B | 81       | O7   |   | 88       | b8   | A | 94       |
| K22  |   | 85       | Q10  |   | 89       | b10  |   | 94       |
| K66  |   | 86       | Q13  |   | 89       | b13  |   | 94       |
| K68  | B | 86       | U28  |   | 90       | b15  |   | 94       |
| K73  |   | 86       | V3   | D | 87       |      |   |          |
| K83  | A | 78, 86   | V26  | A | 91       |      |   |          |

### : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location)            |
|------|----------|------------------------------------------------|
| 1    | 24       | 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)                                       |
|------|----------|--------------------------------------------------------------------------------------------|
| 1X   | 29       | Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment left)                   |
| 4C   | 70       | Instrument Panel Wire and Center J/B RH (Right Side of the Instrument Panel Reinforcement) |
| 4D   |          |                                                                                            |
| 4E   |          |                                                                                            |
| 4F   |          |                                                                                            |
| 5A   | 66       | Instrument Panel Wire and Center J/B LH (Right Side of the Instrument Panel Reinforcement) |
| 5D   |          |                                                                                            |
| 5E   |          |                                                                                            |
| 5G   |          |                                                                                            |
| 5H   |          |                                                                                            |
| 5L   |          |                                                                                            |
| DA   | 55       | Instrument Panel Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| DD   |          |                                                                                            |
| LC   | 63       | Floor No.2 Wire and Luggage Room J/B (Left Side of the Quarter Panel )                     |
| PA   | 49       | Instrument Panel Wire and Cowl Side J/B LH (Lower Finish Panel)                            |
| PD   |          |                                                                                            |
| PJ   | 50       | Floor No.2 Wire and Cowl Side J/B LH (Lower Finish Panel)                                  |
| PL   | 50       | Engine Room Main Wire and Cowl Side J/B LH (Lower Finish Panel)                            |

### : Connector Joining Wire Harness and Wire Harness

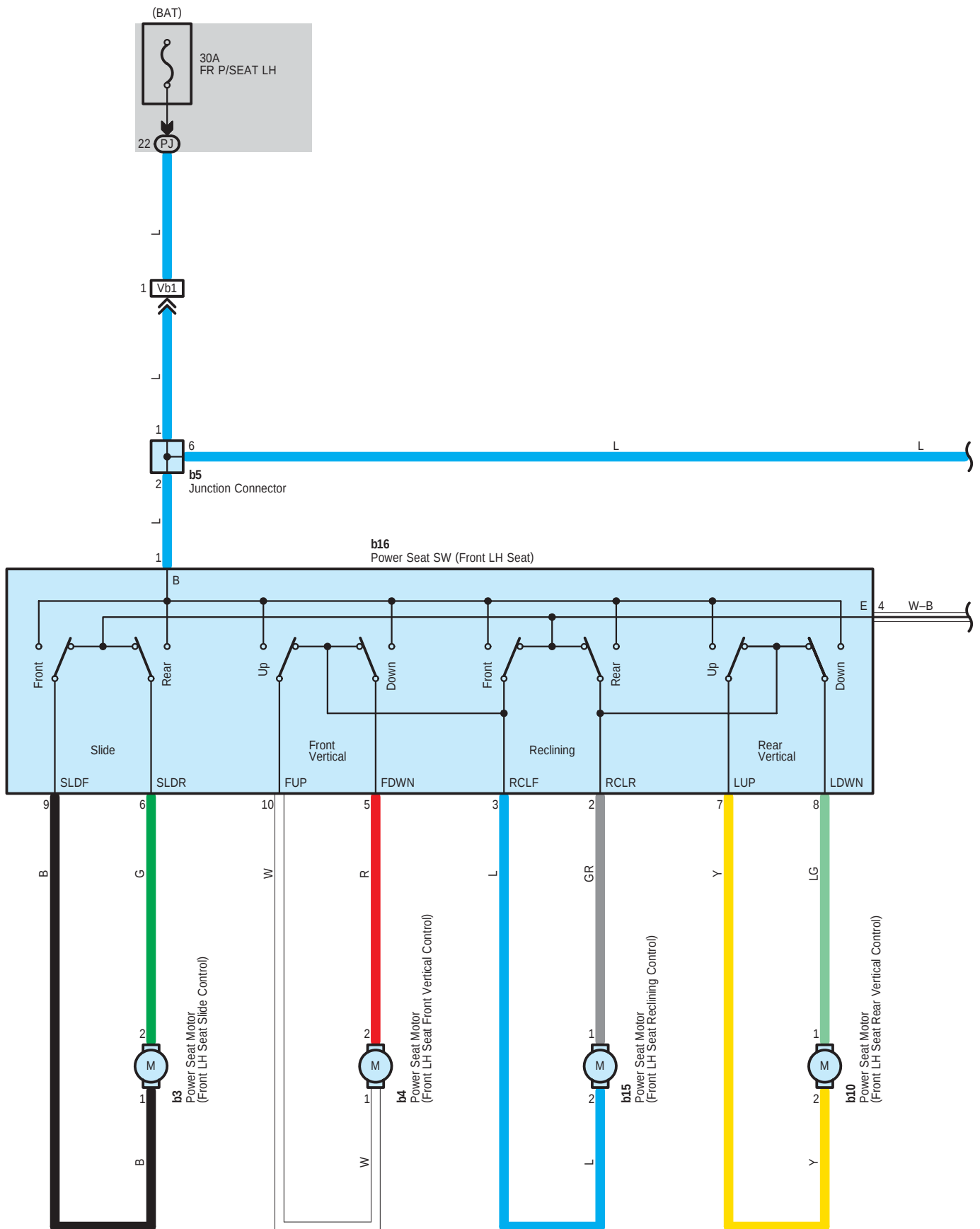
| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location)                     |
|------|----------|--------------------------------------------------------------------------------|
| KA2  | 97       | Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)              |
| KA3  | 97       | Instrument Panel Wire and Engine Room Main Wire (Right Kick Panel)             |
| KU2  | 97       | Instrument Panel Wire and Floor No.1 Wire (Right Kick Panel)                   |
| KV1  | 97       | Instrument Panel Wire and Floor No.2 Wire (Left Kick Panel)                    |
| MQ2  | 98       | Front Door LH Wire and Front Door LH No.2 Wire (Front Door Inner Panel LH)     |
| MU2  | 97       | Front Door RH Wire and Floor No.1 Wire (Right Kick Panel)                      |
| MV2  | 97       | Front Door LH Wire and Floor No.2 Wire (Left Kick Panel)                       |
| OU1  | 98       | Rear Door No.1 Wire and Floor No.1 Wire (Right Center Pillar)                  |
| OV1  | 98       | Rear Door No.2 Wire and Floor No.2 Wire (Left Center Pillar)                   |
| UV1  | 98       | Floor No.1 Wire and Floor No.2 Wire (Center of the Rear Floor Partition Panel) |
| Vb1  | 99       | Floor No.2 Wire and Front Seat LH Wire (Under the Driver's Seat)               |

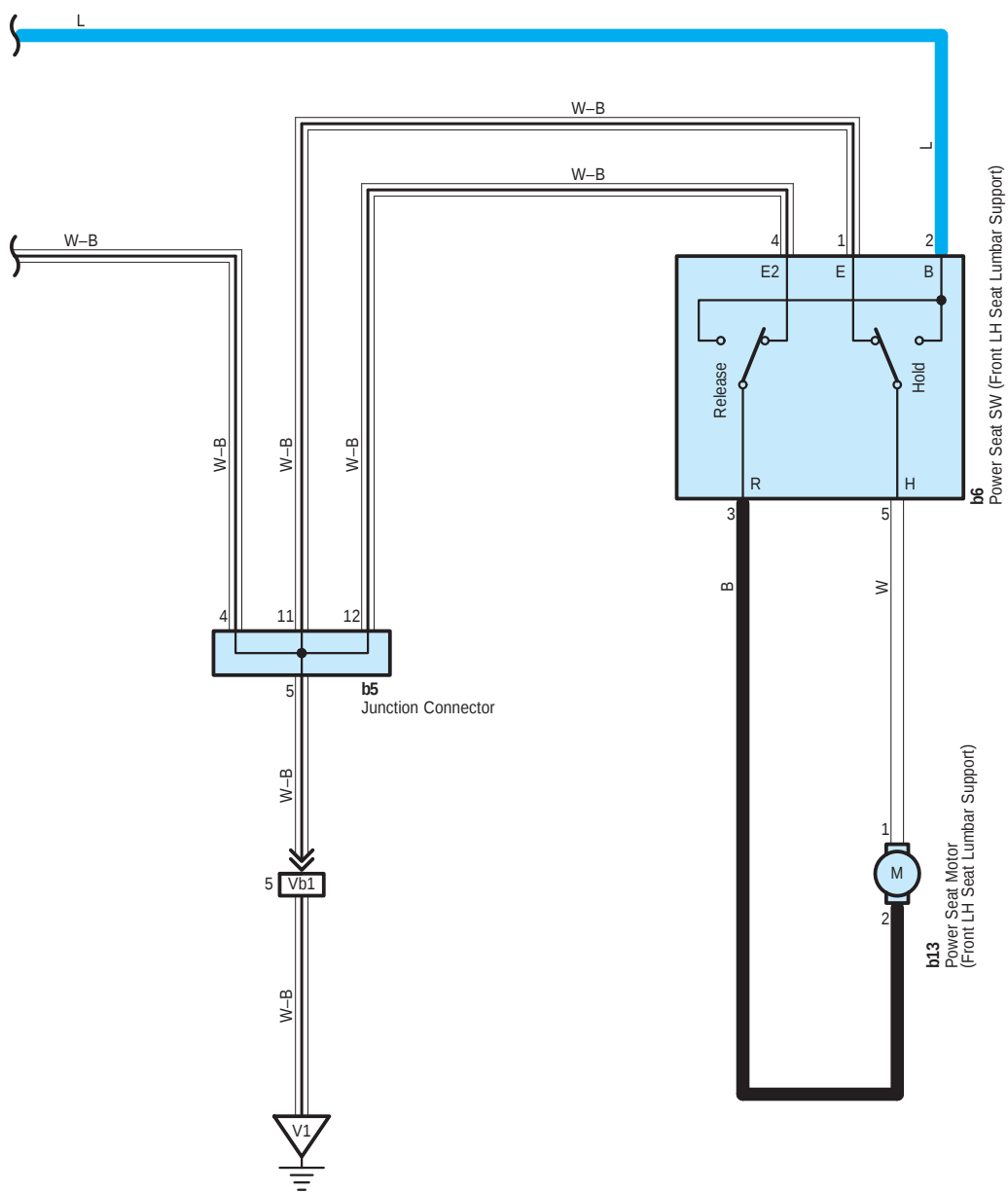


: **Ground Points**

| Code | See Page | Ground Points Location       |
|------|----------|------------------------------|
| K1   | 97       | Left Kick Panel              |
| K2   | 97       | Left Side of the Shift Lever |
| K4   | 97       | Right Kick Panel             |
| V1   | 98       | Under the Driver's Seat      |

# Power Seat for Driver's Seat without Memory





## Power Seat for Driver's Seat without Memory

### : Parts Location

| Code | See Page | Code | See Page | Code | See Page |
|------|----------|------|----------|------|----------|
| b3   | 94       | b6   | 94       | b15  | 94       |
| b4   | 94       | b10  | 94       | b16  | 94       |
| b5   | 94       | b13  | 94       |      |          |

### : Junction Block and Wire Harness Connector

| Code | See Page | Junction Block and Wire Harness (Connector Location)      |
|------|----------|-----------------------------------------------------------|
| PJ   | 50       | Floor No.2 Wire and Cowl Side J/B LH (Lower Finish Panel) |

### : Connector Joining Wire Harness and Wire Harness

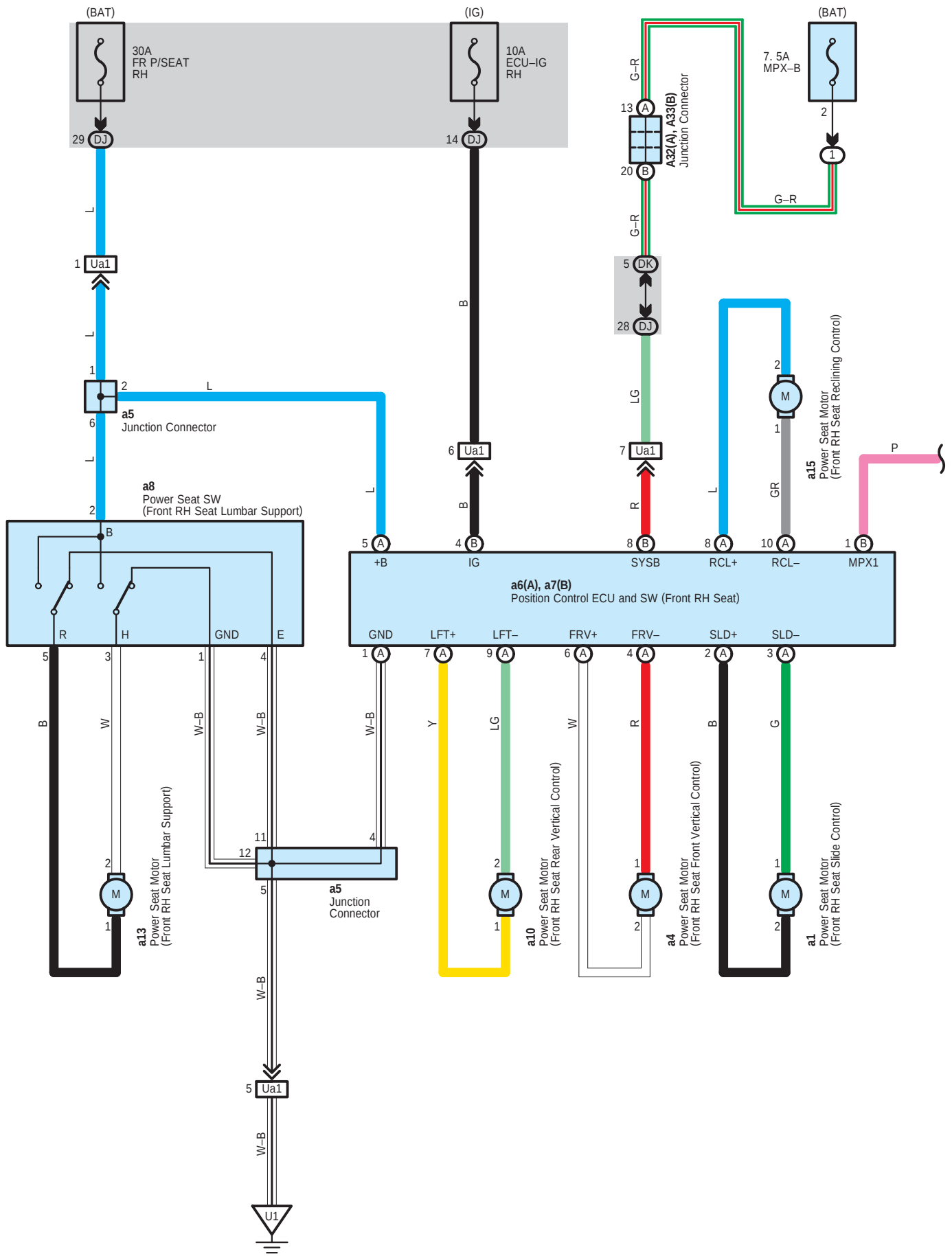
| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location)       |
|------|----------|------------------------------------------------------------------|
| Vb1  | 99       | Floor No.2 Wire and Front Seat LH Wire (Under the Driver's Seat) |

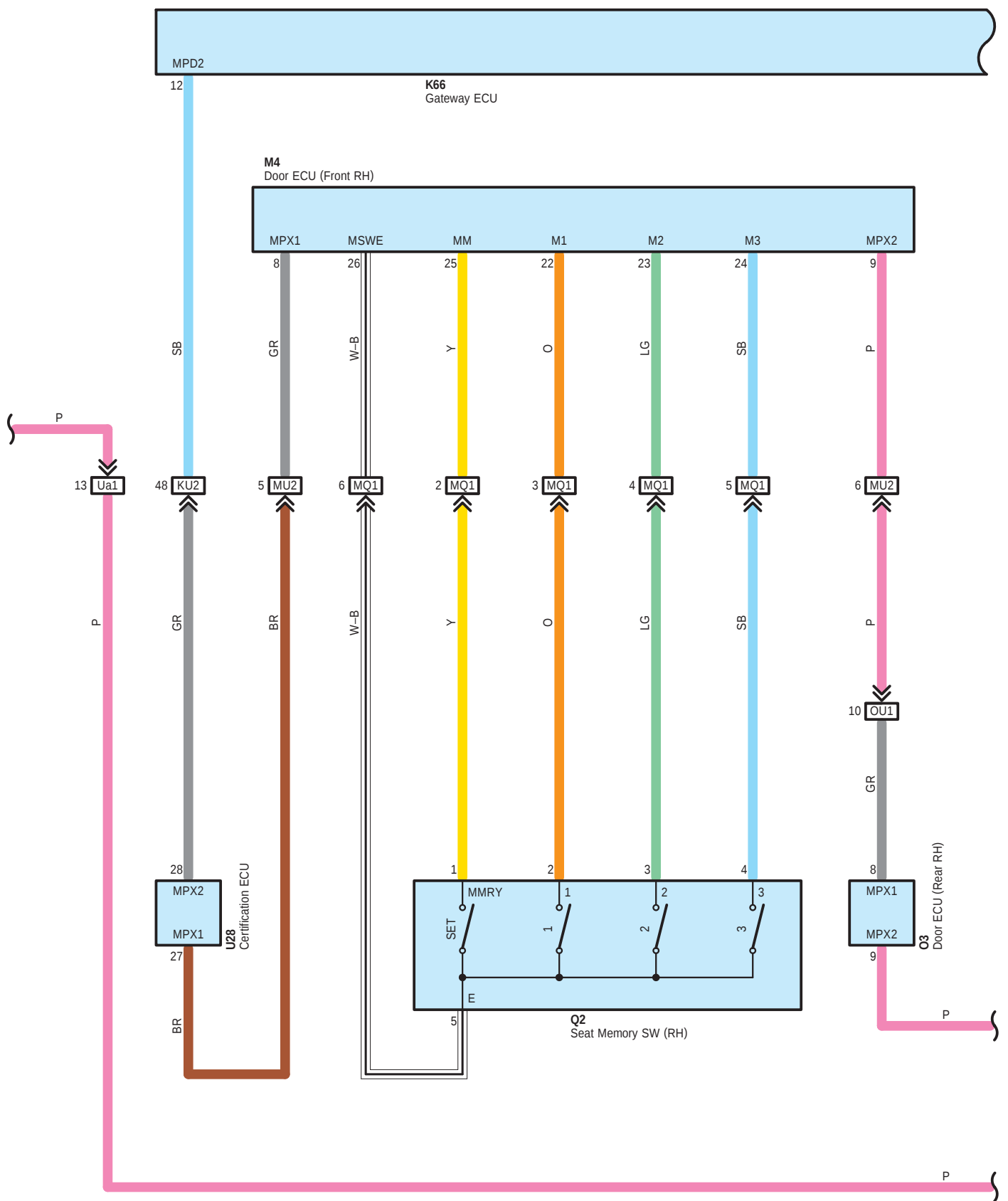
### : Ground Points

| Code | See Page | Ground Points Location  |
|------|----------|-------------------------|
| V1   | 98       | Under the Driver's Seat |

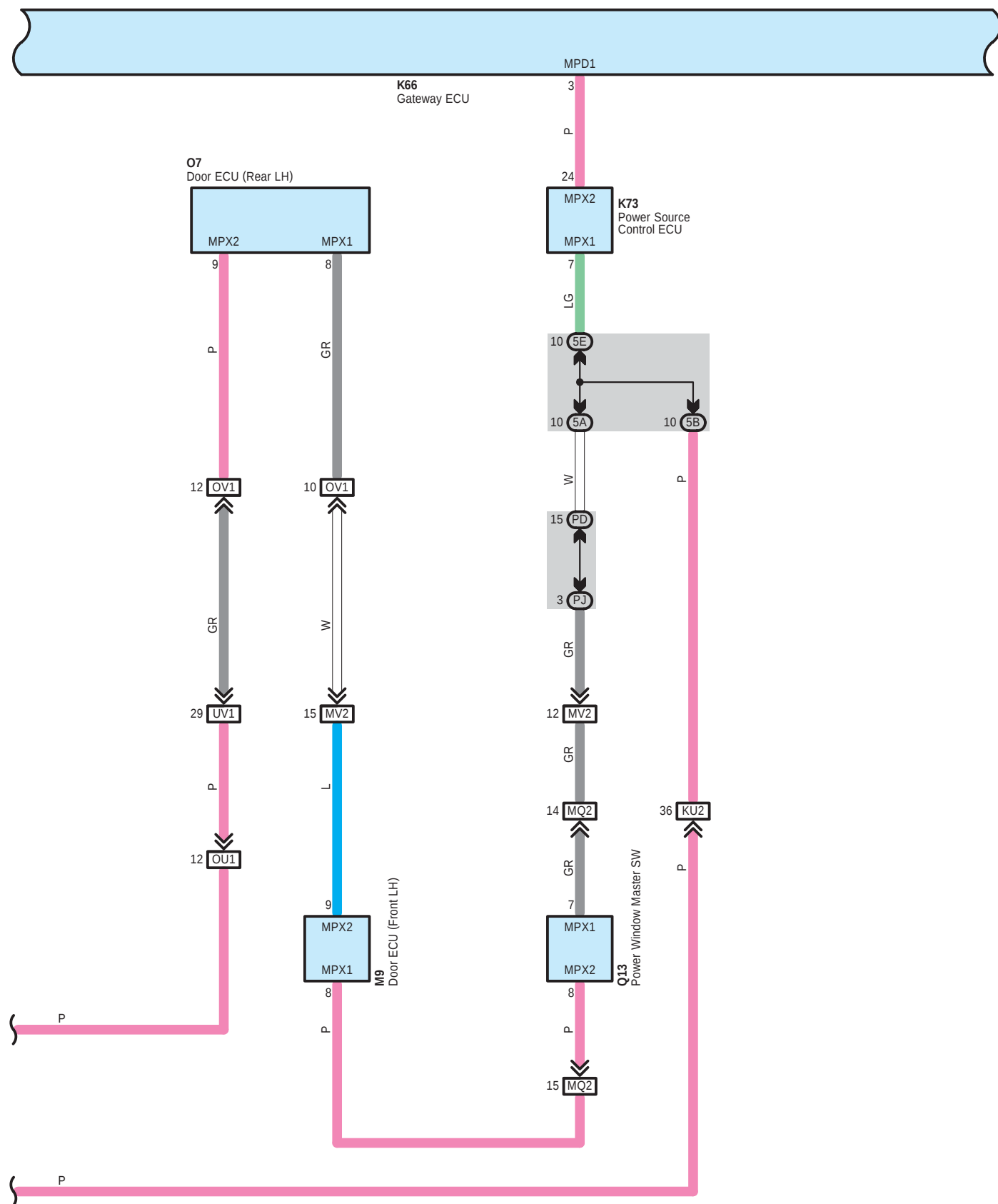


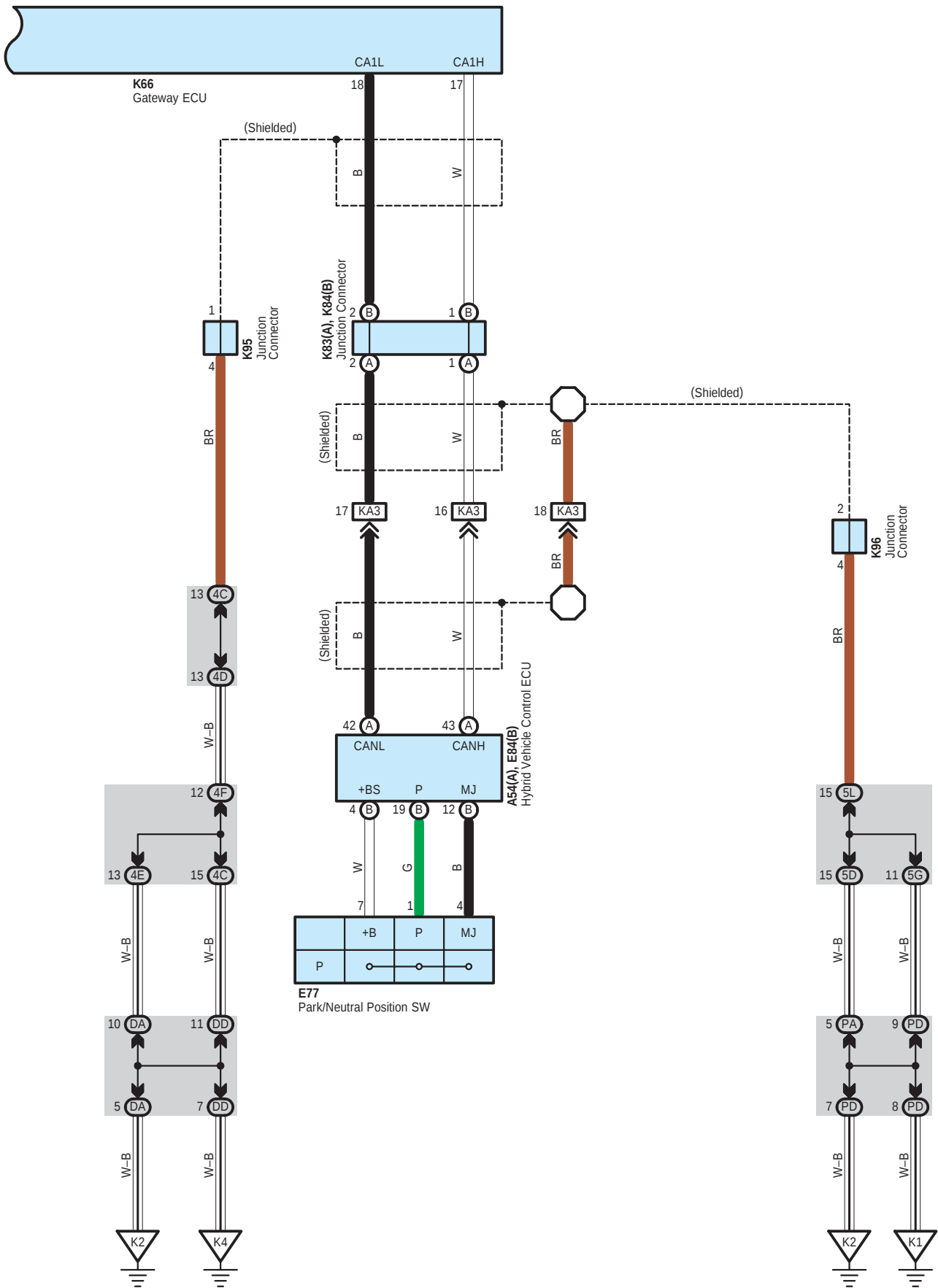
# Power Seat for Front Passenger's Seat with Memory





# Power Seat for Front Passenger's Seat with Memory





## Power Seat for Front Passenger's Seat with Memory

### : Parts Location

| Code |   | See Page | Code | See Page | Code | See Page |
|------|---|----------|------|----------|------|----------|
| A32  | A | 84       | K95  | 86       | a1   | 94       |
| A33  | B | 84       | K96  | 86       | a4   | 94       |
| A54  | A | 80       | M4   | 88       | a5   | 94       |
| E77  |   | 81       | M9   | 88       | a6   | A 94     |
| E84  | B | 81       | O3   | 88       | a7   | B 94     |
| K66  |   | 86       | O7   | 88       | a8   | 94       |
| K73  |   | 86       | Q2   | 89       | a10  | 94       |
| K83  | A | 78, 86   | Q13  | 89       | a13  | 94       |
| K84  | B | 78, 86   | U28  | 90       | a15  | 94       |

### : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location)            |
|------|----------|------------------------------------------------|
| 1    | 24       | 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)                                       |
|------|----------|--------------------------------------------------------------------------------------------|
| 4C   | 70       | Instrument Panel Wire and Center J/B RH (Right Side of the Instrument Panel Reinforcement) |
| 4D   |          |                                                                                            |
| 4E   |          |                                                                                            |
| 4F   |          |                                                                                            |
| 5A   | 66       | Instrument Panel Wire and Center J/B LH (Right Side of the Instrument Panel Reinforcement) |
| 5B   |          |                                                                                            |
| 5D   |          |                                                                                            |
| 5E   |          |                                                                                            |
| 5G   |          |                                                                                            |
| 5L   | 55       | Instrument Panel Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| DA   |          |                                                                                            |
| DD   | 56       | Floor Wire and Cowl Side J/B RH (Behind the Glove Box)                                     |
| DJ   |          |                                                                                            |
| DK   | 56       | Engine Room Main Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| PA   | 49       | Instrument Panel Wire and Cowl Side J/B LH (Lower Finish Panel)                            |
| PD   |          |                                                                                            |
| PJ   | 50       | Floor No.2 Wire and Cowl Side J/B LH (Lower Finish Panel)                                  |

### : Connector Joining Wire Harness and Wire Harness

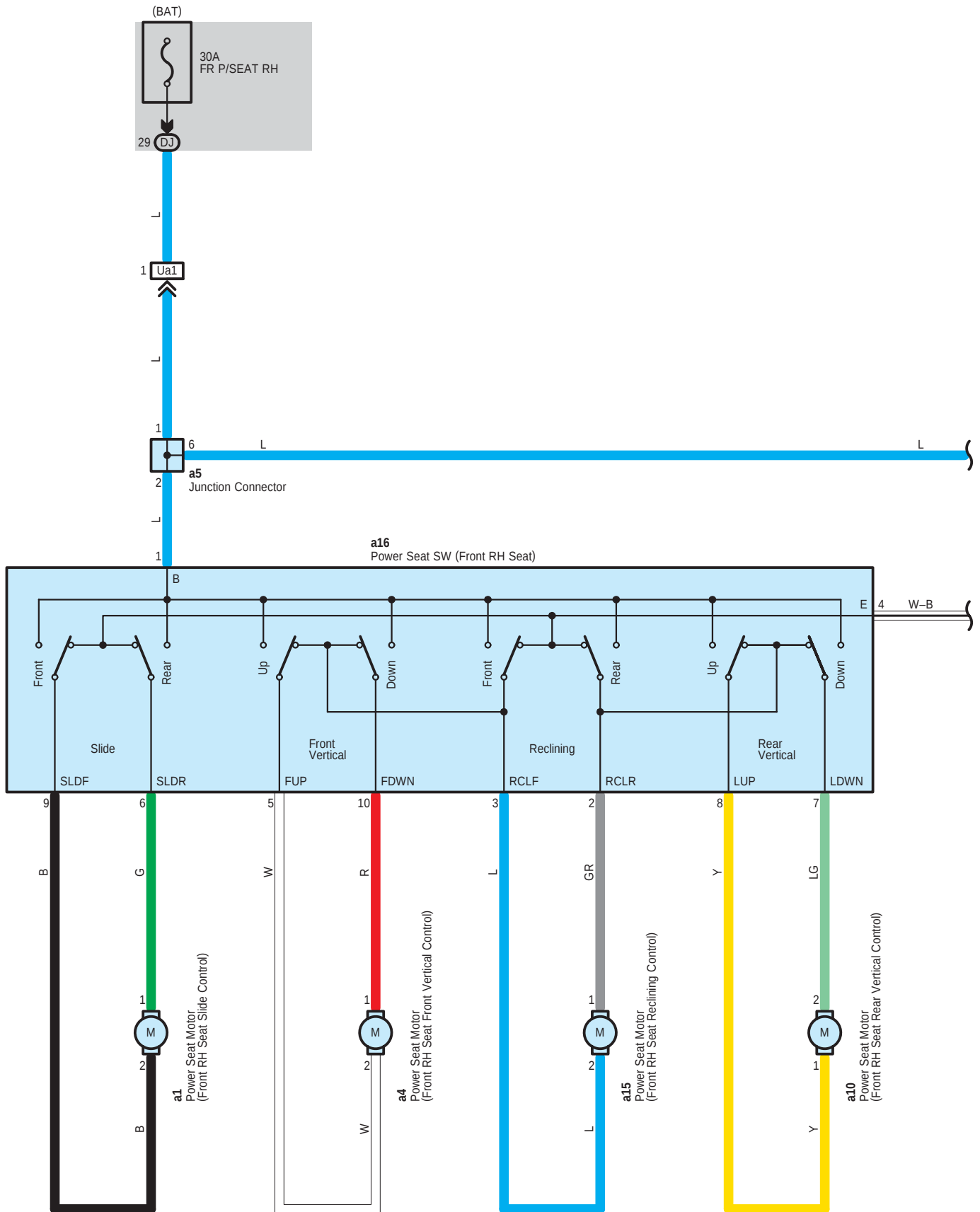
| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location)                     |
|------|----------|--------------------------------------------------------------------------------|
| KA3  | 97       | Instrument Panel Wire and Engine Room Main Wire (Right Kick Panel)             |
| KU2  | 97       | Instrument Panel Wire and Floor No.1 Wire (Right Kick Panel)                   |
| MQ1  | 98       | Front Door RH Wire and Front Door RH No.2 Wire (Front Door Inner Panel RH)     |
| MQ2  | 98       | Front Door LH Wire and Front Door LH No.2 Wire (Front Door Inner Panel LH)     |
| MU2  | 97       | Front Door RH Wire and Floor No.1 Wire (Right Kick Panel)                      |
| MV2  | 97       | Front Door LH Wire and Floor No.2 Wire (Left Kick Panel)                       |
| OU1  | 98       | Rear Door No.1 Wire and Floor No.1 Wire (Right Center Pillar)                  |
| OV1  | 98       | Rear Door No.2 Wire and Floor No.2 Wire (Left Center Pillar)                   |
| UV1  | 98       | Floor No.1 Wire and Floor No.2 Wire (Center of the Rear Floor Partition Panel) |
| Ua1  | 99       | Floor No.1 Wire and Front Seat RH Wire (Under the Front Passenger's Seat)      |

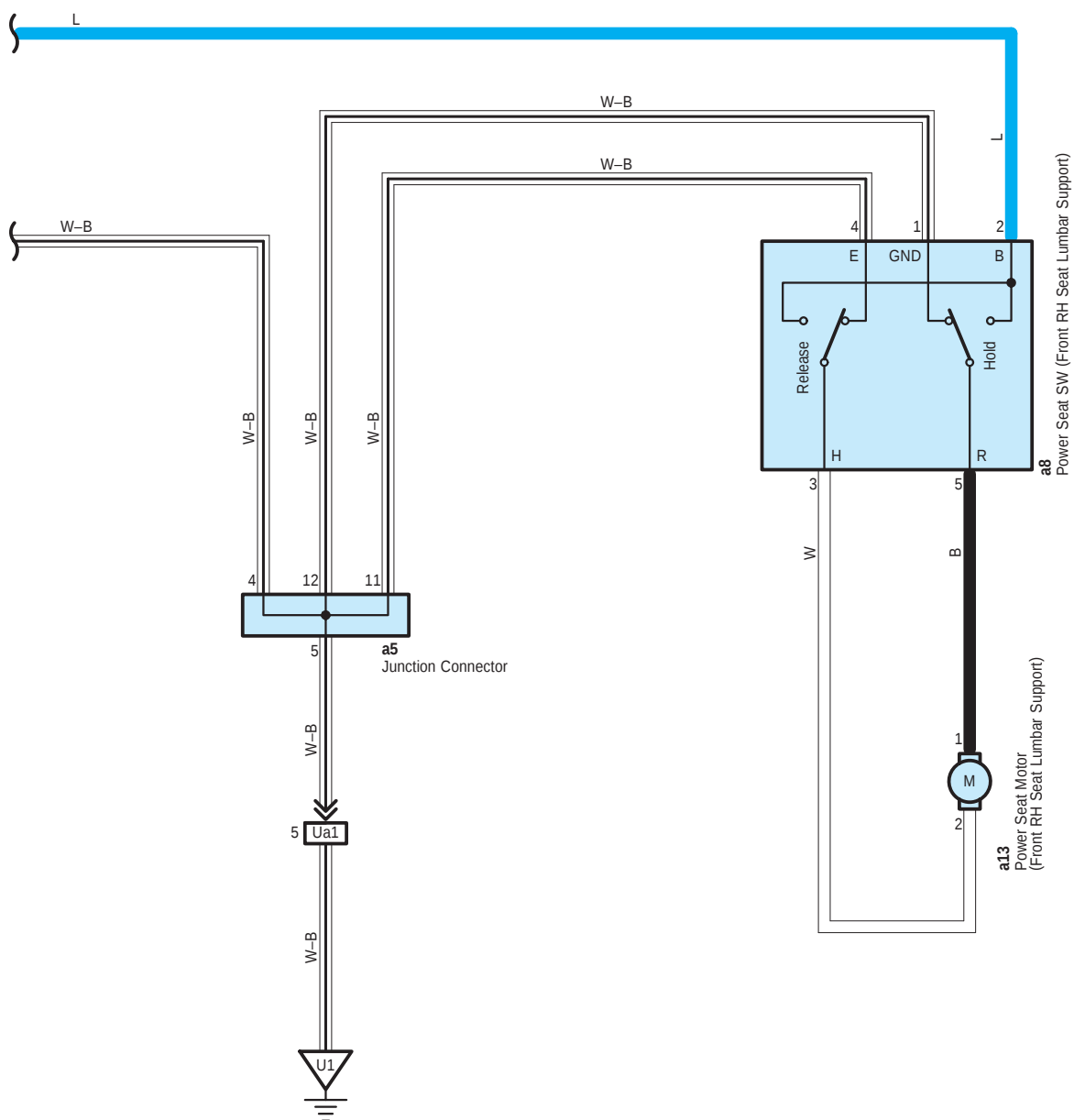


: **Ground Points**

| Code | See Page | Ground Points Location           |
|------|----------|----------------------------------|
| K1   | 97       | Left Kick Panel                  |
| K2   | 97       | Left Side of the Shift Lever     |
| K4   | 97       | Right Kick Panel                 |
| U1   | 98       | Under the Front Passenger's Seat |

# Power Seat for Front Passenger's Seat without Memory





## Power Seat for Front Passenger's Seat without Memory

### : Parts Location

| Code | See Page | Code | See Page | Code | See Page |
|------|----------|------|----------|------|----------|
| a1   | 94       | a8   | 94       | a15  | 94       |
| a4   | 94       | a10  | 94       | a16  | 94       |
| a5   | 94       | a13  | 94       |      |          |

### : Junction Block and Wire Harness Connector

| Code | See Page | Junction Block and Wire Harness (Connector Location)   |
|------|----------|--------------------------------------------------------|
| DJ   | 56       | Floor Wire and Cowl Side J/B RH (Behind the Glove Box) |

### : Connector Joining Wire Harness and Wire Harness

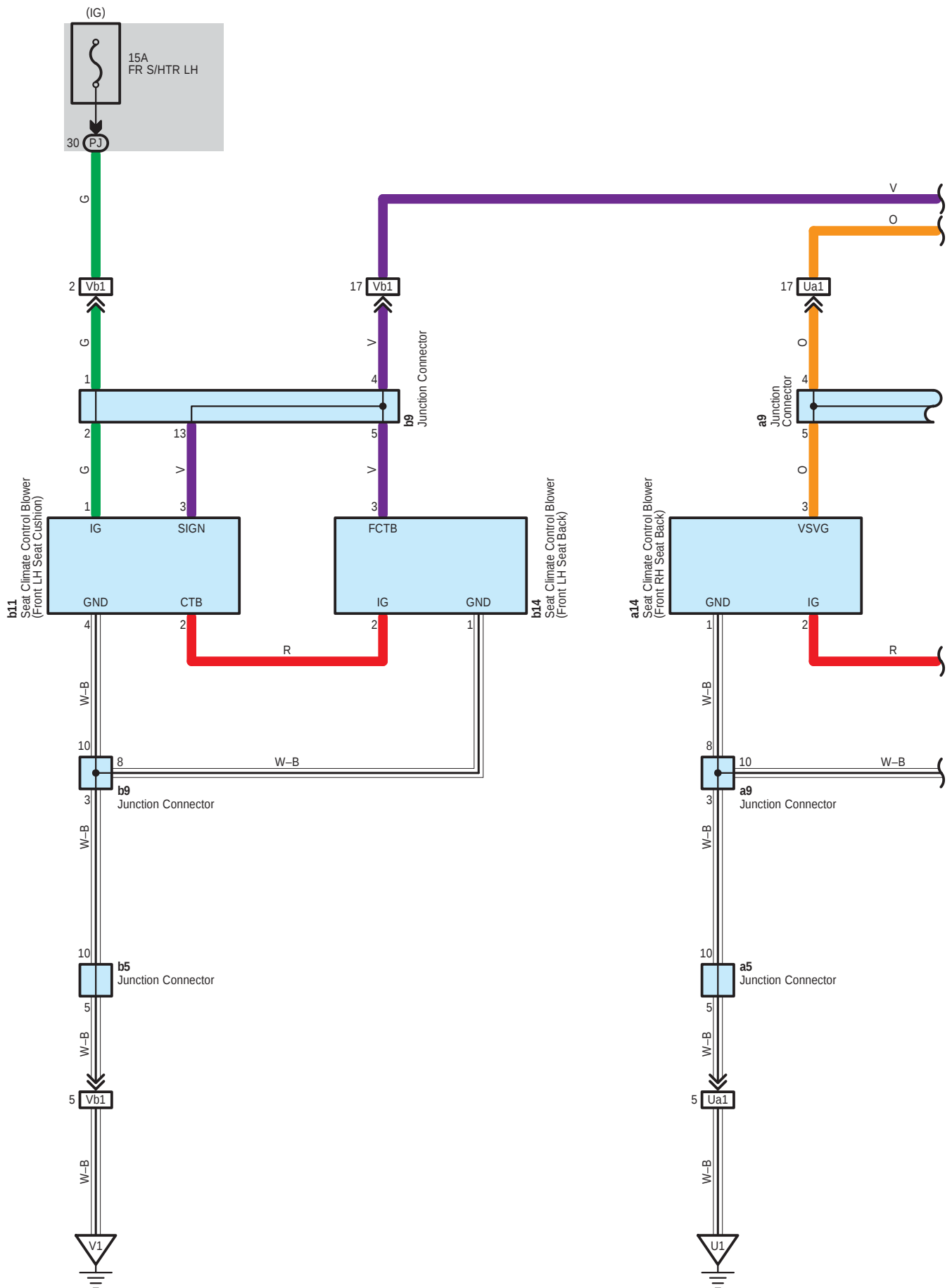
| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location)                |
|------|----------|---------------------------------------------------------------------------|
| Ua1  | 99       | Floor No.1 Wire and Front Seat RH Wire (Under the Front Passenger's Seat) |

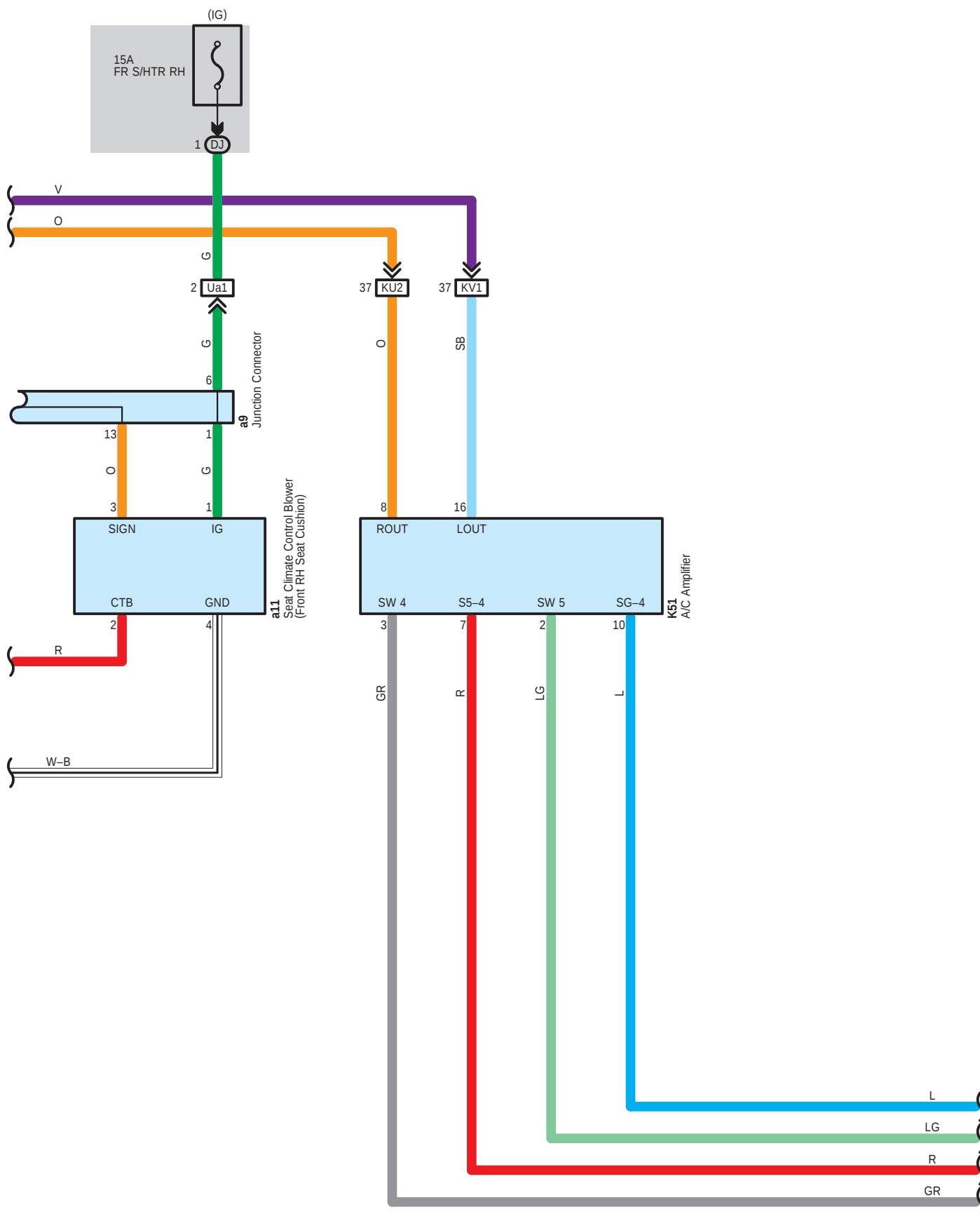
### : Ground Points

| Code | See Page | Ground Points Location           |
|------|----------|----------------------------------|
| U1   | 98       | Under the Front Passenger's Seat |

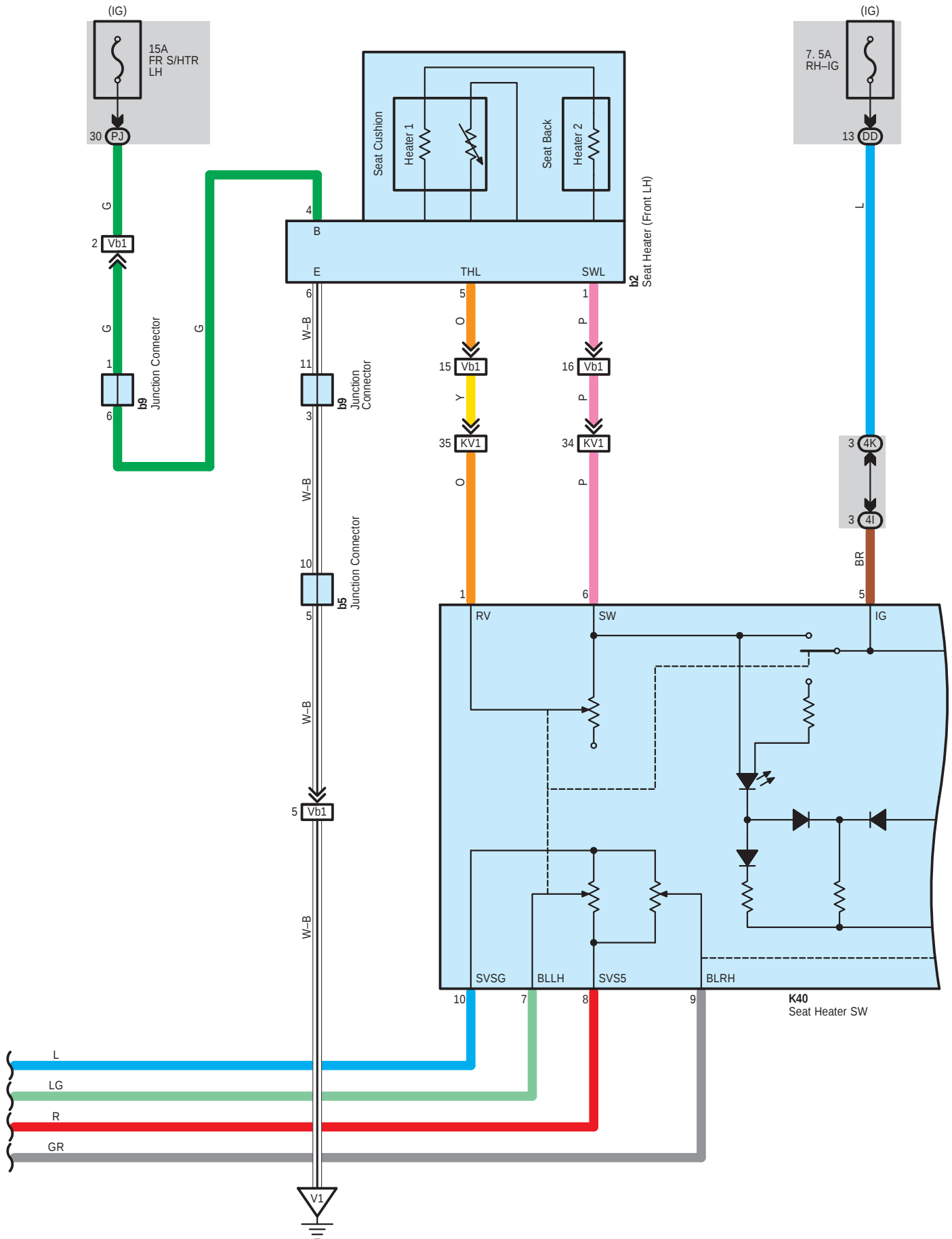


# Climate Control Seat



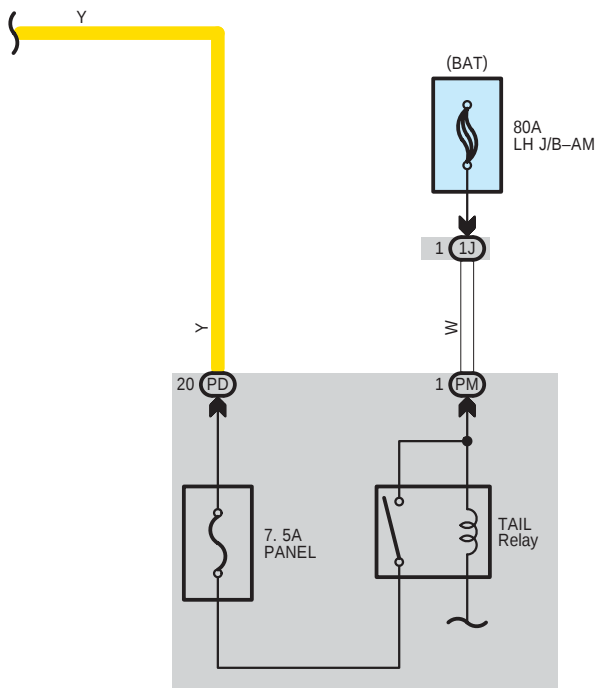


# Climate Control Seat





## Climate Control Seat



 : Parts Location

| Code | See Page | Code | See Page | Code | See Page |
|------|----------|------|----------|------|----------|
| K40  | 86       | a9   | 94       | b5   | 94       |
| K51  | 86       | a11  | 94       | b9   | 94       |
| a2   | 94       | a14  | 94       | b11  | 94       |
| a5   | 94       | b2   | 94       | b14  | 94       |

 : Junction Block and Wire Harness Connector

| Code | See Page | Junction Block and Wire Harness (Connector Location)                                       |
|------|----------|--------------------------------------------------------------------------------------------|
| 1J   | 27       | Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment left)                   |
| 4A   | 70       | Instrument Panel Wire and Center J/B RH (Right Side of the Instrument Panel Reinforcement) |
| 4C   |          |                                                                                            |
| 4E   |          |                                                                                            |
| 4H   |          |                                                                                            |
| 4I   |          |                                                                                            |
| 4K   |          |                                                                                            |
| 5C   | 66       | Instrument Panel Wire and Center J/B LH (Right Side of the Instrument Panel Reinforcement) |
| 5E   | 55       | Instrument Panel Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| DA   |          |                                                                                            |
| DD   | 56       | Floor Wire and Cowl Side J/B RH (Behind the Glove Box)                                     |
| DJ   |          |                                                                                            |
| PD   | 49       | Instrument Panel Wire and Cowl Side J/B LH (Lower Finish Panel)                            |
| PJ   | 50       | Floor No.2 Wire and Cowl Side J/B LH (Lower Finish Panel)                                  |
| PM   | 50       | Engine Room Main Wire and Cowl Side J/B LH (Lower Finish Panel)                            |

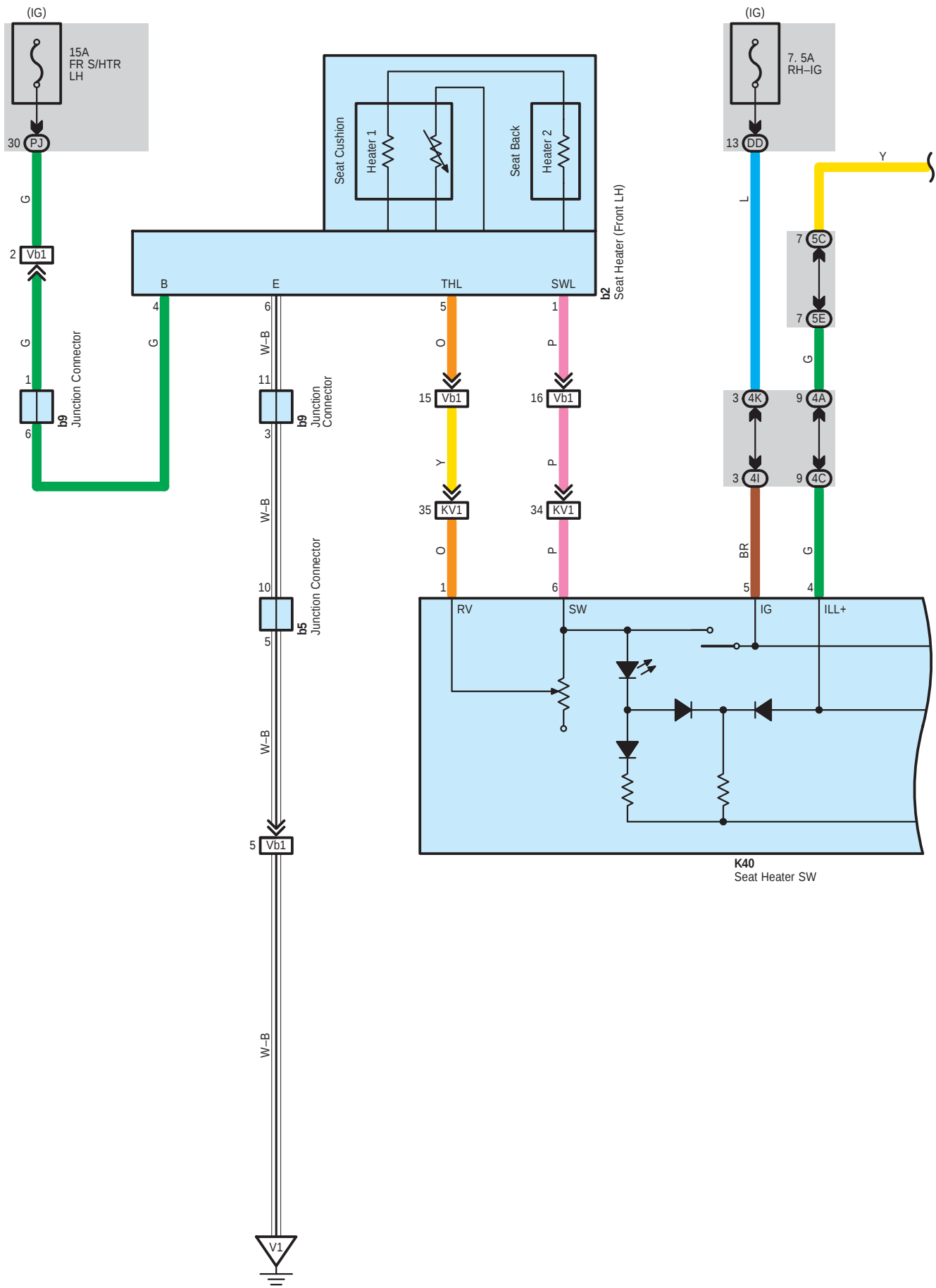
 : Connector Joining Wire Harness and Wire Harness

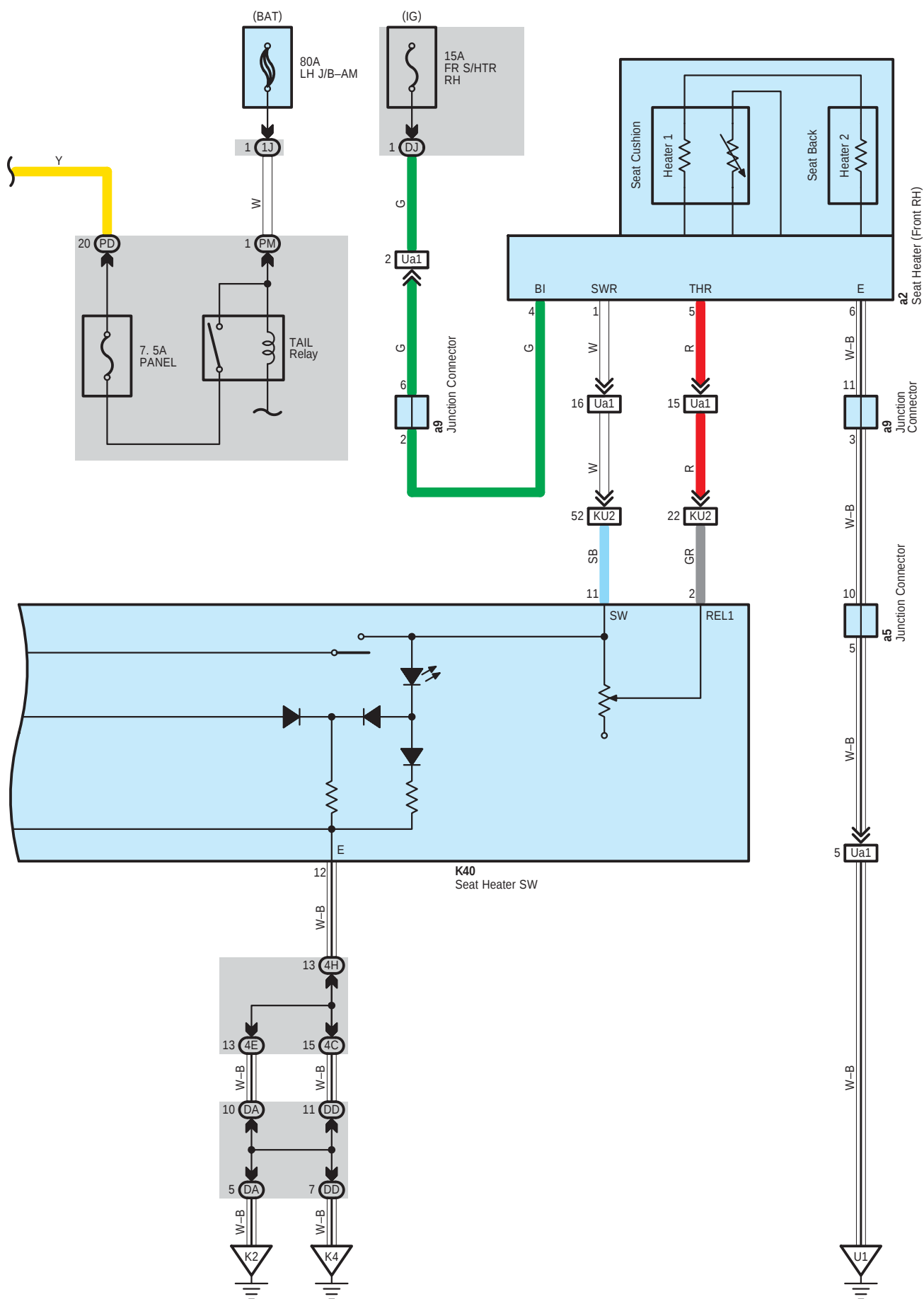
| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location)                |
|------|----------|---------------------------------------------------------------------------|
| KU2  | 97       | Instrument Panel Wire and Floor No.1 Wire (Right Kick Panel)              |
| KV1  | 97       | Instrument Panel Wire and Floor No.2 Wire (Left Kick Panel)               |
| Ua1  | 99       | Floor No.1 Wire and Front Seat RH Wire (Under the Front Passenger's Seat) |
| Vb1  | 99       | Floor No.2 Wire and Front Seat LH Wire (Under the Driver's Seat)          |

 : Ground Points

| Code | See Page | Ground Points Location           |
|------|----------|----------------------------------|
| K2   | 97       | Left Side of the Shift Lever     |
| K4   | 97       | Right Kick Panel                 |
| U1   | 98       | Under the Front Passenger's Seat |
| V1   | 98       | Under the Driver's Seat          |

# Seat Heater





# Seat Heater

## : Parts Location

| Code | See Page | Code | See Page | Code | See Page |
|------|----------|------|----------|------|----------|
| K40  | 86       | a9   | 94       | b9   | 94       |
| a2   | 94       | b2   | 94       |      |          |
| a5   | 94       | b5   | 94       |      |          |

## : Junction Block and Wire Harness Connector

| Code | See Page | Junction Block and Wire Harness (Connector Location)                                       |
|------|----------|--------------------------------------------------------------------------------------------|
| 1J   | 27       | Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment left)                   |
| 4A   | 70       | Instrument Panel Wire and Center J/B RH (Right Side of the Instrument Panel Reinforcement) |
| 4C   |          |                                                                                            |
| 4E   |          |                                                                                            |
| 4H   |          |                                                                                            |
| 4I   |          |                                                                                            |
| 4K   |          |                                                                                            |
| 5C   | 66       | Instrument Panel Wire and Center J/B LH (Right Side of the Instrument Panel Reinforcement) |
| 5E   |          |                                                                                            |
| DA   | 55       | Instrument Panel Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| DD   |          |                                                                                            |
| DJ   | 56       | Floor Wire and Cowl Side J/B RH (Behind the Glove Box)                                     |
| PD   | 49       | Instrument Panel Wire and Cowl Side J/B LH (Lower Finish Panel)                            |
| PJ   | 50       | Floor No.2 Wire and Cowl Side J/B LH (Lower Finish Panel)                                  |
| PM   | 50       | Engine Room Main Wire and Cowl Side J/B LH (Lower Finish Panel)                            |

## : Connector Joining Wire Harness and Wire Harness

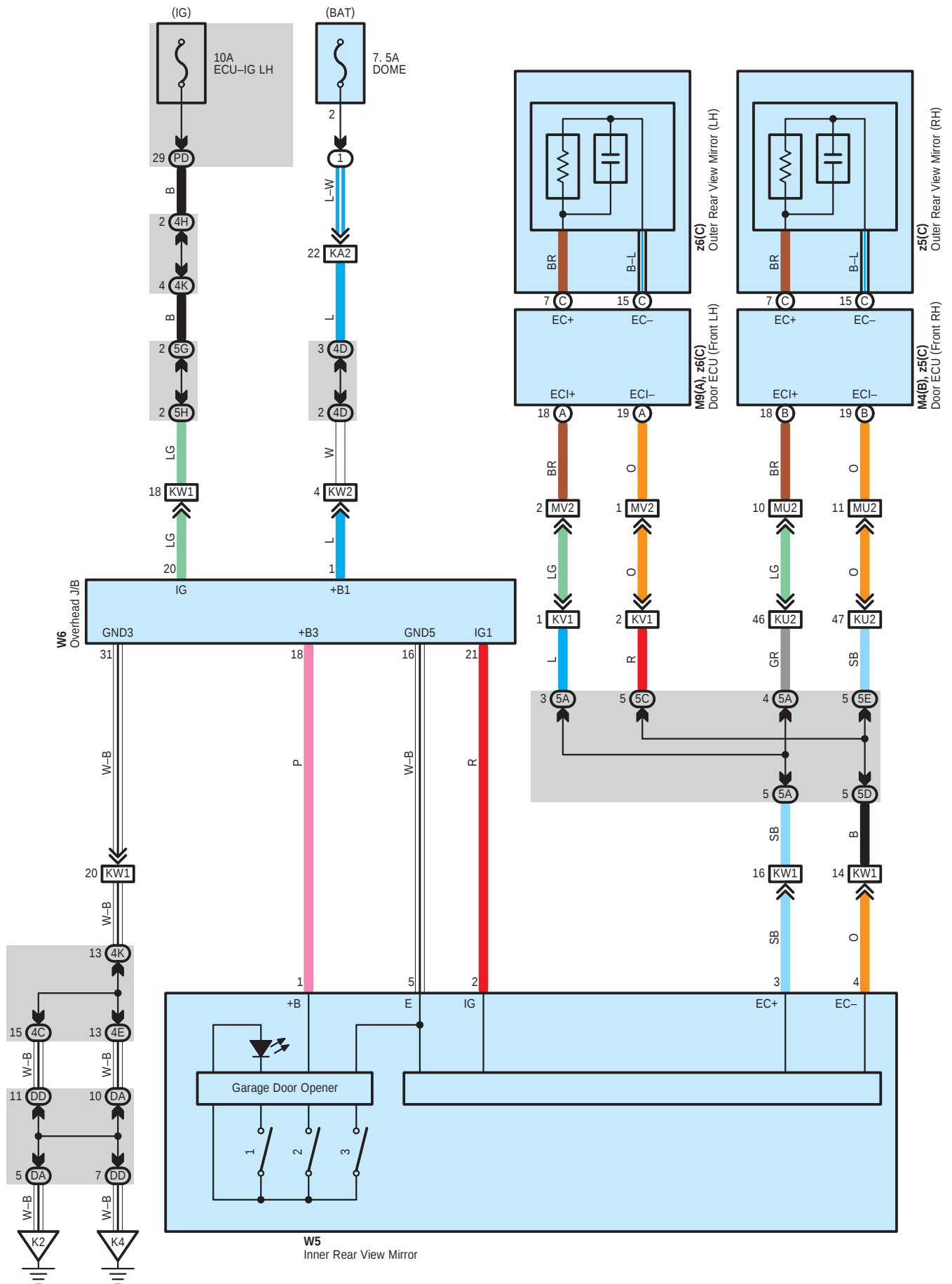
| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location)                |
|------|----------|---------------------------------------------------------------------------|
| KU2  | 97       | Instrument Panel Wire and Floor No.1 Wire (Right Kick Panel)              |
| KV1  | 97       | Instrument Panel Wire and Floor No.2 Wire (Left Kick Panel)               |
| Ua1  | 99       | Floor No.1 Wire and Front Seat RH Wire (Under the Front Passenger's Seat) |
| Vb1  | 99       | Floor No.2 Wire and Front Seat LH Wire (Under the Driver's Seat)          |

## : Ground Points

| Code | See Page | Ground Points Location           |
|------|----------|----------------------------------|
| K2   | 97       | Left Side of the Shift Lever     |
| K4   | 97       | Right Kick Panel                 |
| U1   | 98       | Under the Front Passenger's Seat |
| V1   | 98       | Under the Driver's Seat          |



# Automatic Glare-Resistant EC Mirror and Garage Door Opener



 : Parts Location

| Code |   | See Page | Code | See Page | Code | See Page |
|------|---|----------|------|----------|------|----------|
| M4   | B | 88       | W5   | 92       | z5   | C        |
| M9   | A | 88       | W6   | 92       | z6   | C        |

 : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location)            |
|------|----------|------------------------------------------------|
| 1    | 24       | 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)                                       |
|------|----------|--------------------------------------------------------------------------------------------|
| 4C   | 70       | Instrument Panel Wire and Center J/B RH (Right Side of the Instrument Panel Reinforcement) |
| 4D   |          |                                                                                            |
| 4E   |          |                                                                                            |
| 4H   |          |                                                                                            |
| 4K   |          |                                                                                            |
| 5A   | 66       | Instrument Panel Wire and Center J/B LH (Right Side of the Instrument Panel Reinforcement) |
| 5C   |          |                                                                                            |
| 5D   |          |                                                                                            |
| 5E   |          |                                                                                            |
| 5G   |          |                                                                                            |
| 5H   | 55       | Instrument Panel Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| DA   |          |                                                                                            |
| DD   |          |                                                                                            |
| PD   | 49       | Instrument Panel Wire and Cowl Side J/B LH (Lower Finish Panel)                            |

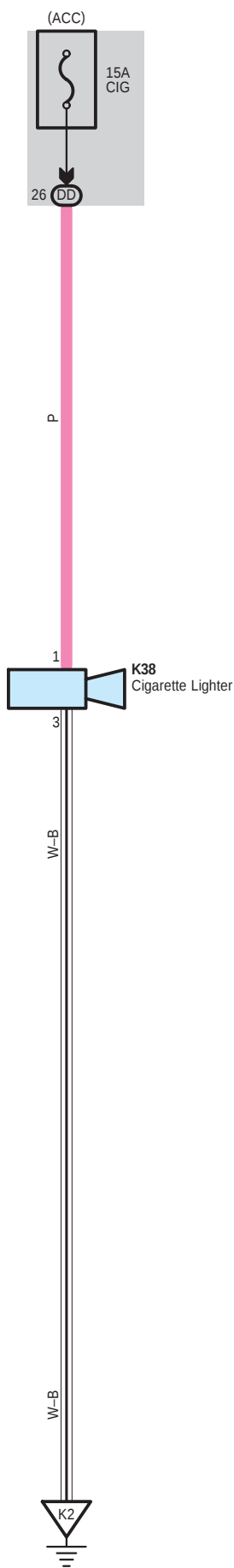
 : Connector Joining Wire Harness and Wire Harness

| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location)              |
|------|----------|-------------------------------------------------------------------------|
| KA2  | 97       | Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)       |
| KU2  | 97       | Instrument Panel Wire and Floor No.1 Wire (Right Kick Panel)            |
| KV1  | 97       | Instrument Panel Wire and Floor No.2 Wire (Left Kick Panel)             |
| KW1  | 97       | Instrument Panel Wire and Roof Wire (Left Side of the Instrument Panel) |
| KW2  |          |                                                                         |
| MU2  | 97       | Front Door RH Wire and Floor No.1 Wire (Right Kick Panel)               |
| MV2  | 97       | Front Door LH Wire and Floor No.2 Wire (Left Kick Panel)                |

 : Ground Points

| Code | See Page | Ground Points Location       |
|------|----------|------------------------------|
| K2   | 97       | Left Side of the Shift Lever |
| K4   | 97       | Right Kick Panel             |

# Cigarette Lighter



 : Parts Location

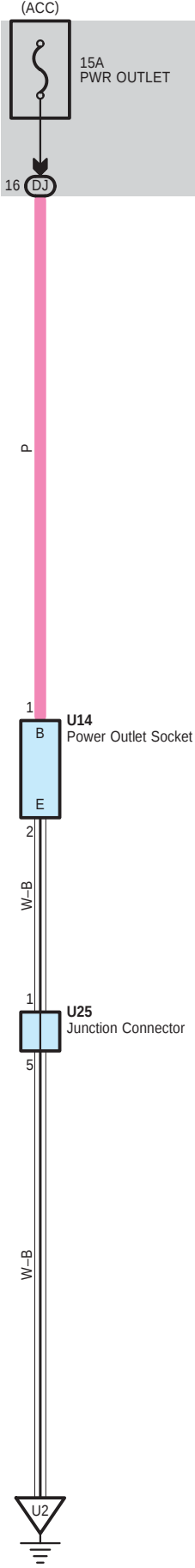
| Code | See Page | Code | See Page | Code | See Page |
|------|----------|------|----------|------|----------|
| K38  | 85       |      |          |      |          |

 : Junction Block and Wire Harness Connector

| Code | See Page | Junction Block and Wire Harness (Connector Location)              |
|------|----------|-------------------------------------------------------------------|
| DD   | 55       | Instrument Panel Wire and Cowl Side J/B RH (Behind the Glove Box) |

 : Ground Points

| Code | See Page | Ground Points Location       |
|------|----------|------------------------------|
| K2   | 97       | Left Side of the Shift Lever |



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 : Parts Location

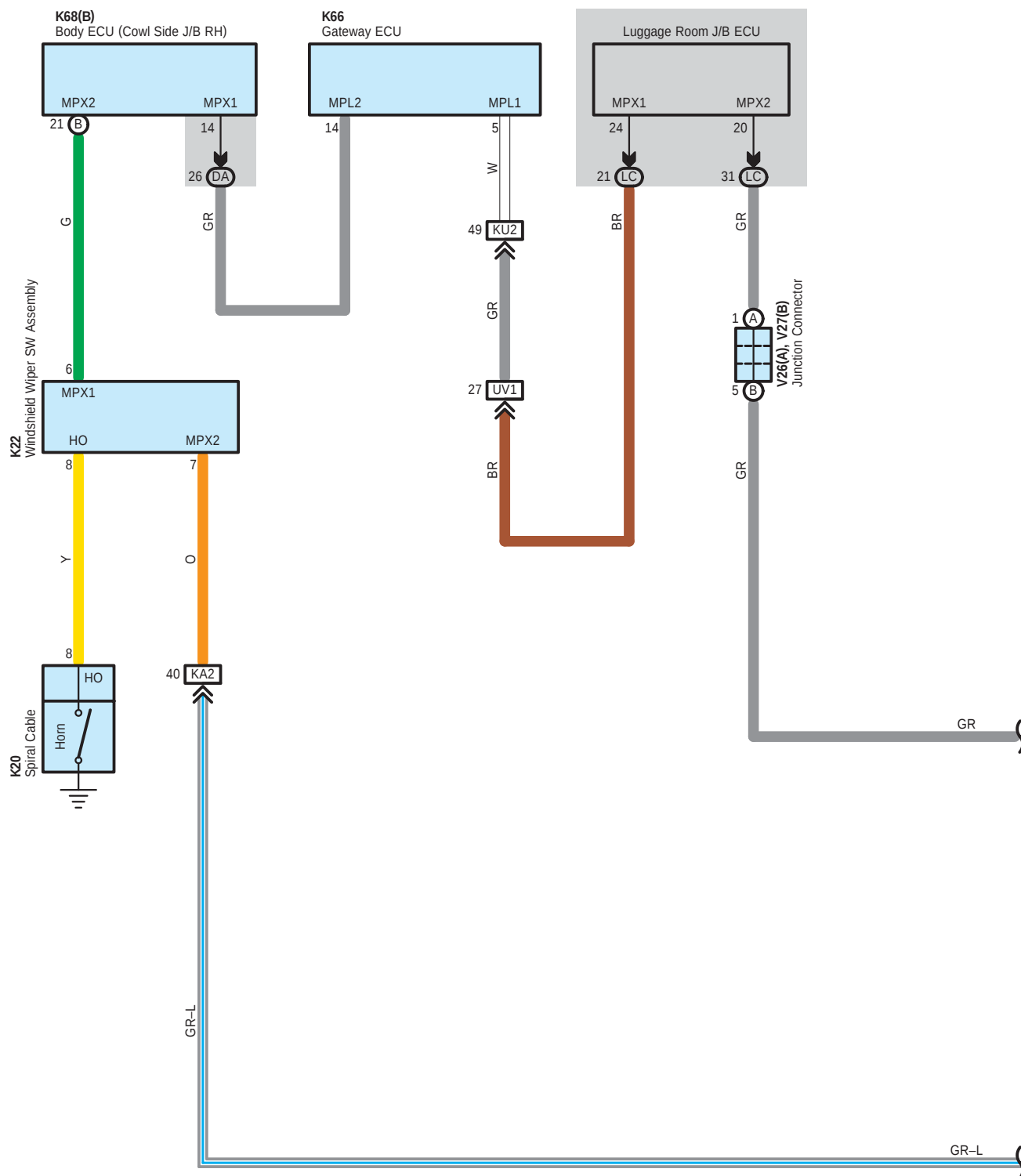
| Code | See Page | Code | See Page | Code | See Page |
|------|----------|------|----------|------|----------|
| U14  | 87       | U25  | 90       |      |          |

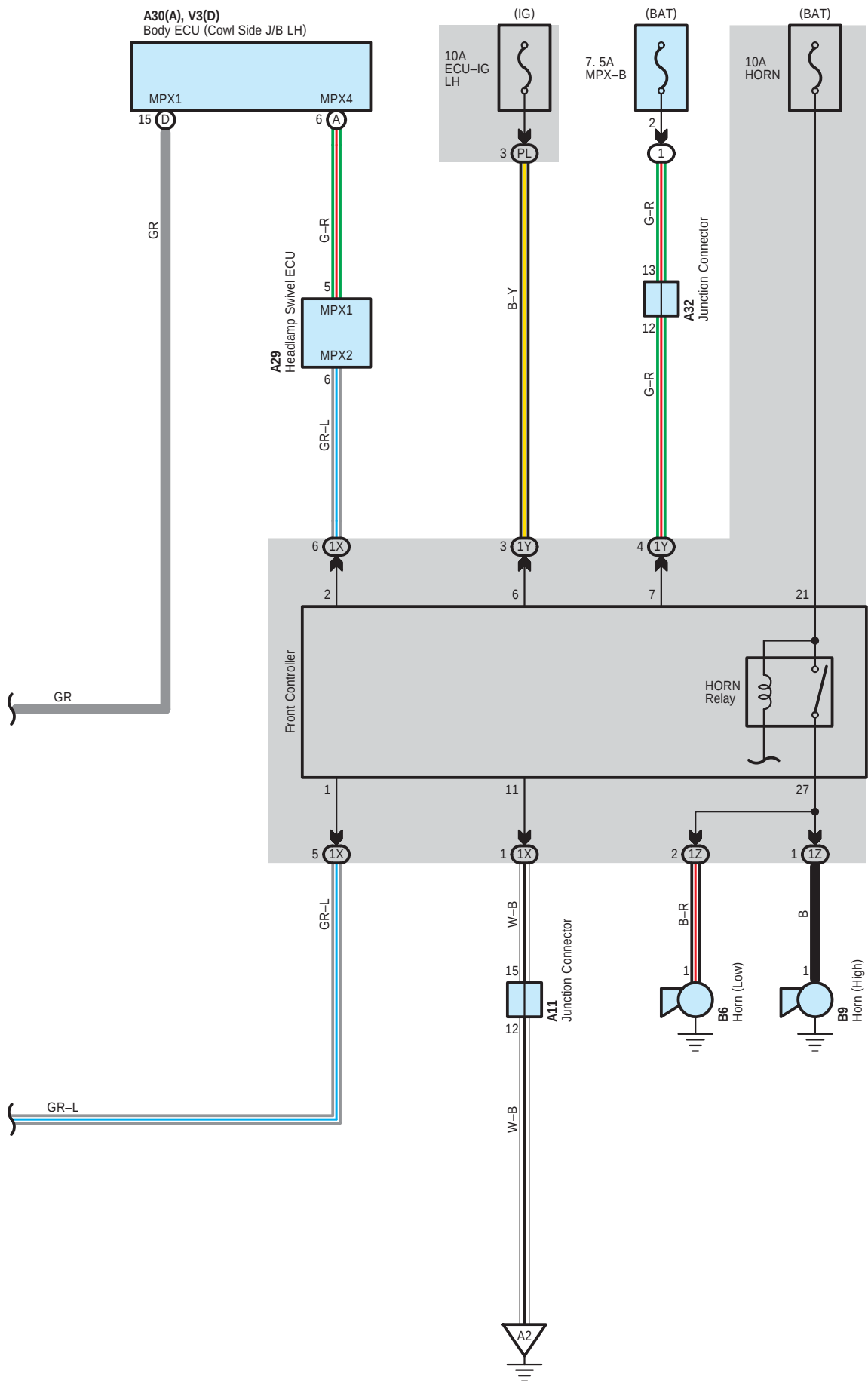
 : Junction Block and Wire Harness Connector

| Code | See Page | Junction Block and Wire Harness (Connector Location)   |
|------|----------|--------------------------------------------------------|
| DJ   | 56       | Floor Wire and Cowl Side J/B RH (Behind the Glove Box) |

 : Ground Points

| Code | See Page | Ground Points Location                       |
|------|----------|----------------------------------------------|
| U2   | 98       | Right Side of the Rear Floor Partition Panel |





## : Parts Location

| Code | See Page | Code | See Page | Code | See Page |
|------|----------|------|----------|------|----------|
| A11  | 80       | B9   | 82       | V3   | D        |
| A29  | 84       | K20  | 85       | V26  | A        |
| A30  | A        | K22  | 85       | V27  | B        |
| A32  | 84       | K66  | 86       |      |          |
| B6   | 82       | K68  | B        |      |          |

## : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location)            |
|------|----------|------------------------------------------------|
| 1    | 24       | 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)                     |
|------|----------|--------------------------------------------------------------------------|
| 1X   | 29       | Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment left) |
| 1Y   |          |                                                                          |
| 1Z   | 29       | Engine Room No.2 Wire and Engine Room J/B No.2 (Engine Compartment left) |
| DA   | 55       | Instrument Panel Wire and Cowl Side J/B RH (Behind the Glove Box)        |
| LC   | 63       | Floor No.2 Wire and Luggage Room J/B (Left Side of the Quarter Panel )   |
| PL   | 50       | Engine Room Main Wire and Cowl Side J/B LH (Lower Finish Panel)          |

## : Connector Joining Wire Harness and Wire Harness

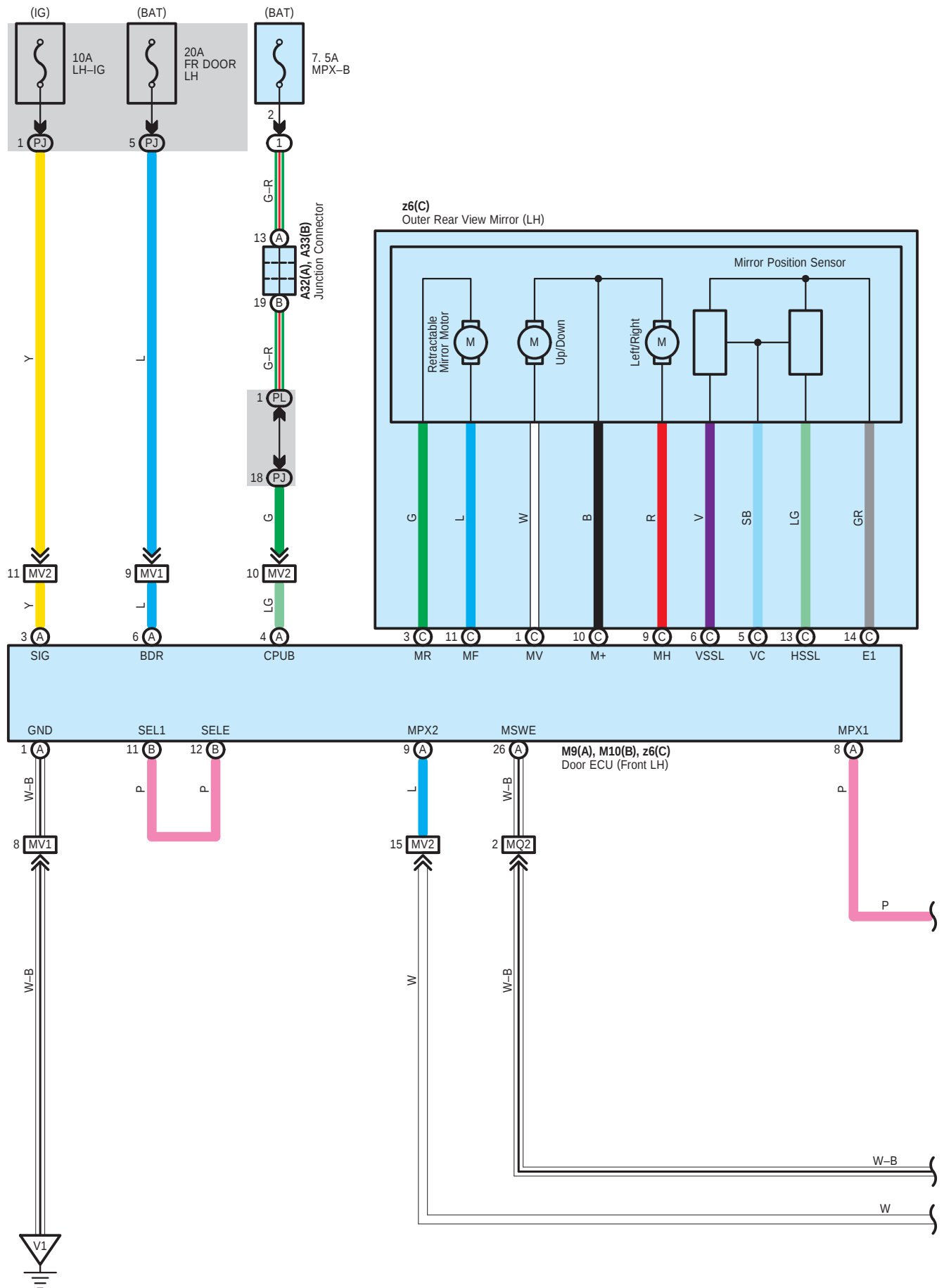
| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location)                     |
|------|----------|--------------------------------------------------------------------------------|
| KA2  | 97       | Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)              |
| KU2  | 97       | Instrument Panel Wire and Floor No.1 Wire (Right Kick Panel)                   |
| UV1  | 98       | Floor No.1 Wire and Floor No.2 Wire (Center of the Rear Floor Partition Panel) |

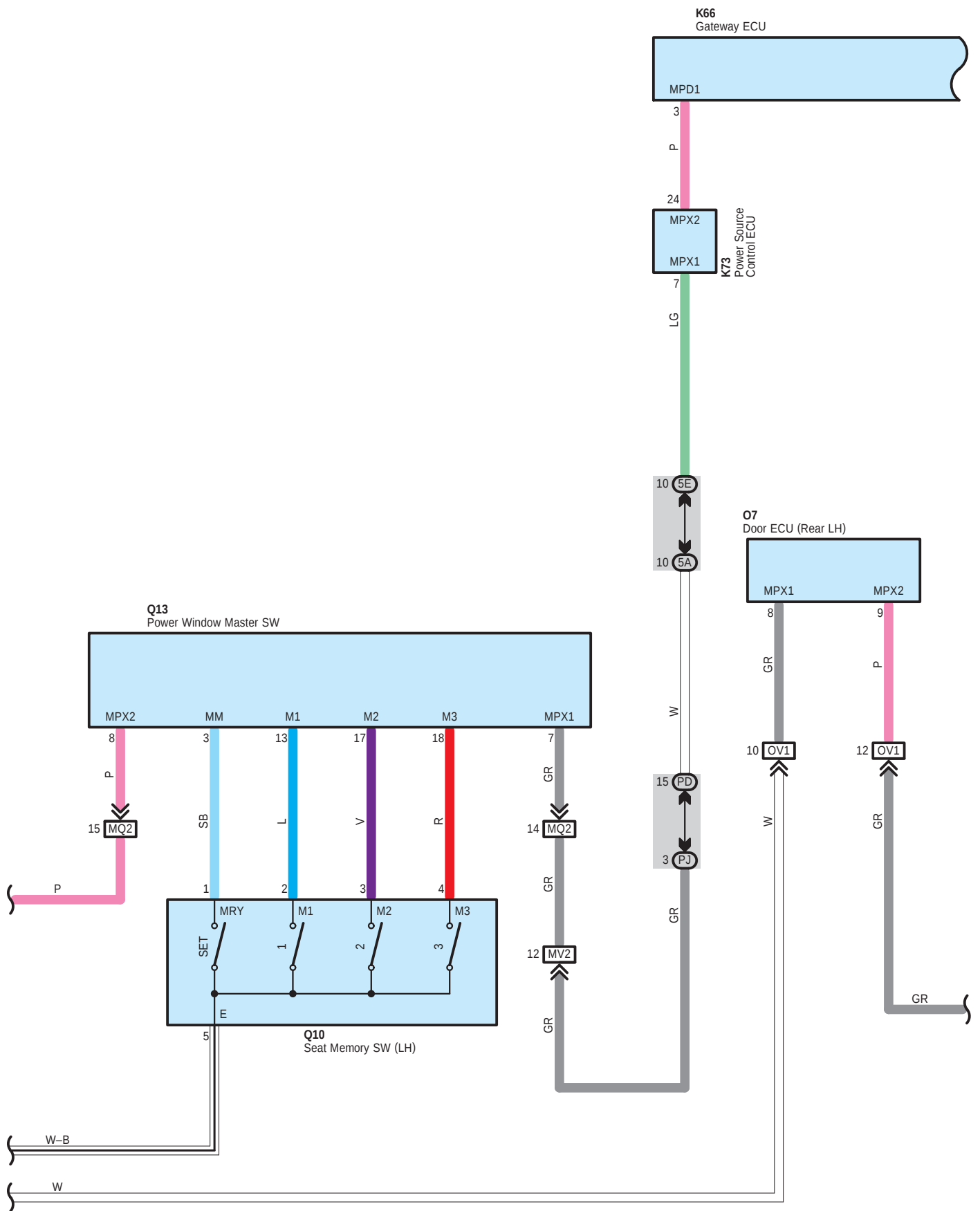
## : Ground Points

| Code | See Page | Ground Points Location  |
|------|----------|-------------------------|
| A2   | 96       | Front Left Fender Apron |



# Remote Control Mirror

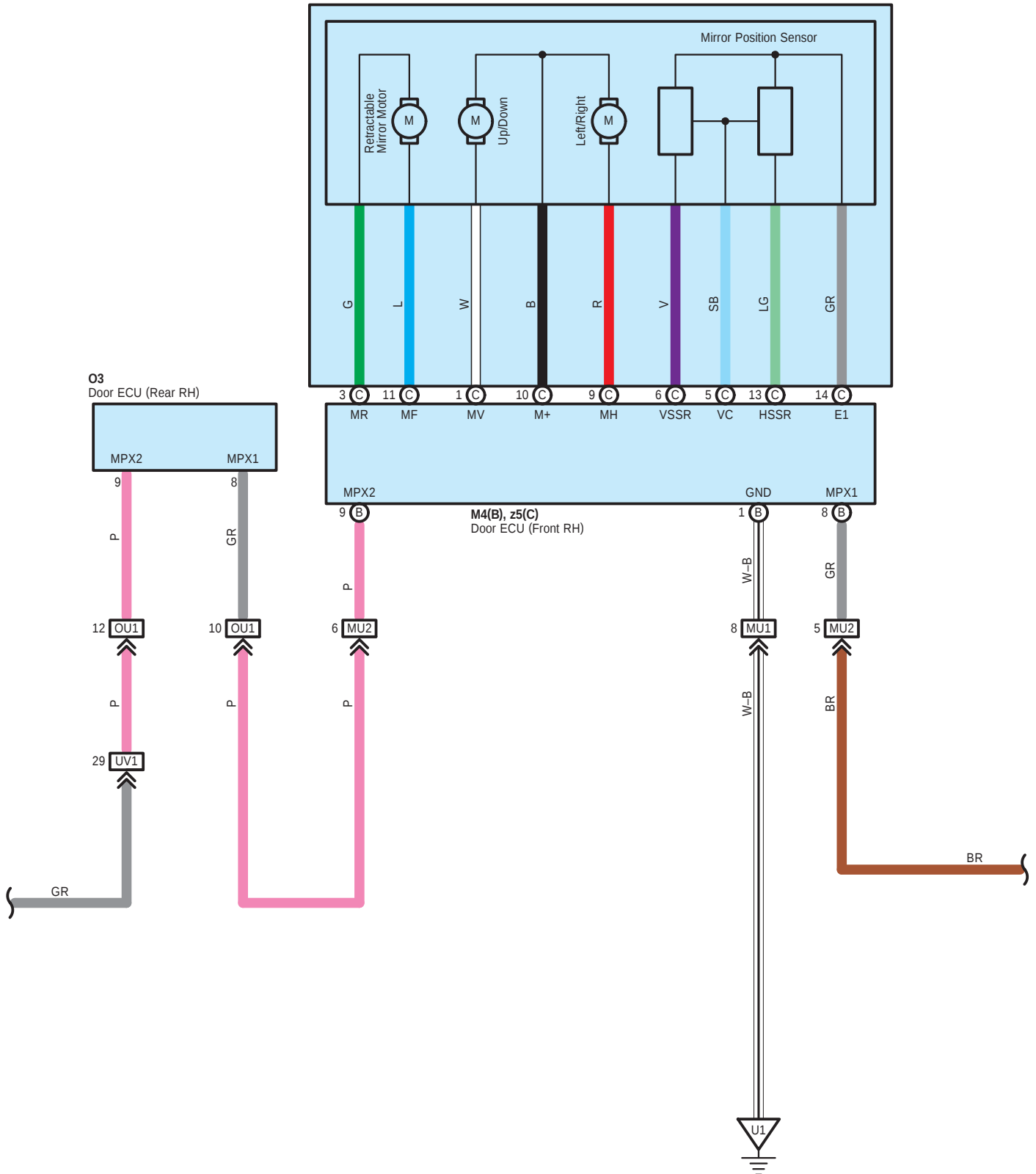


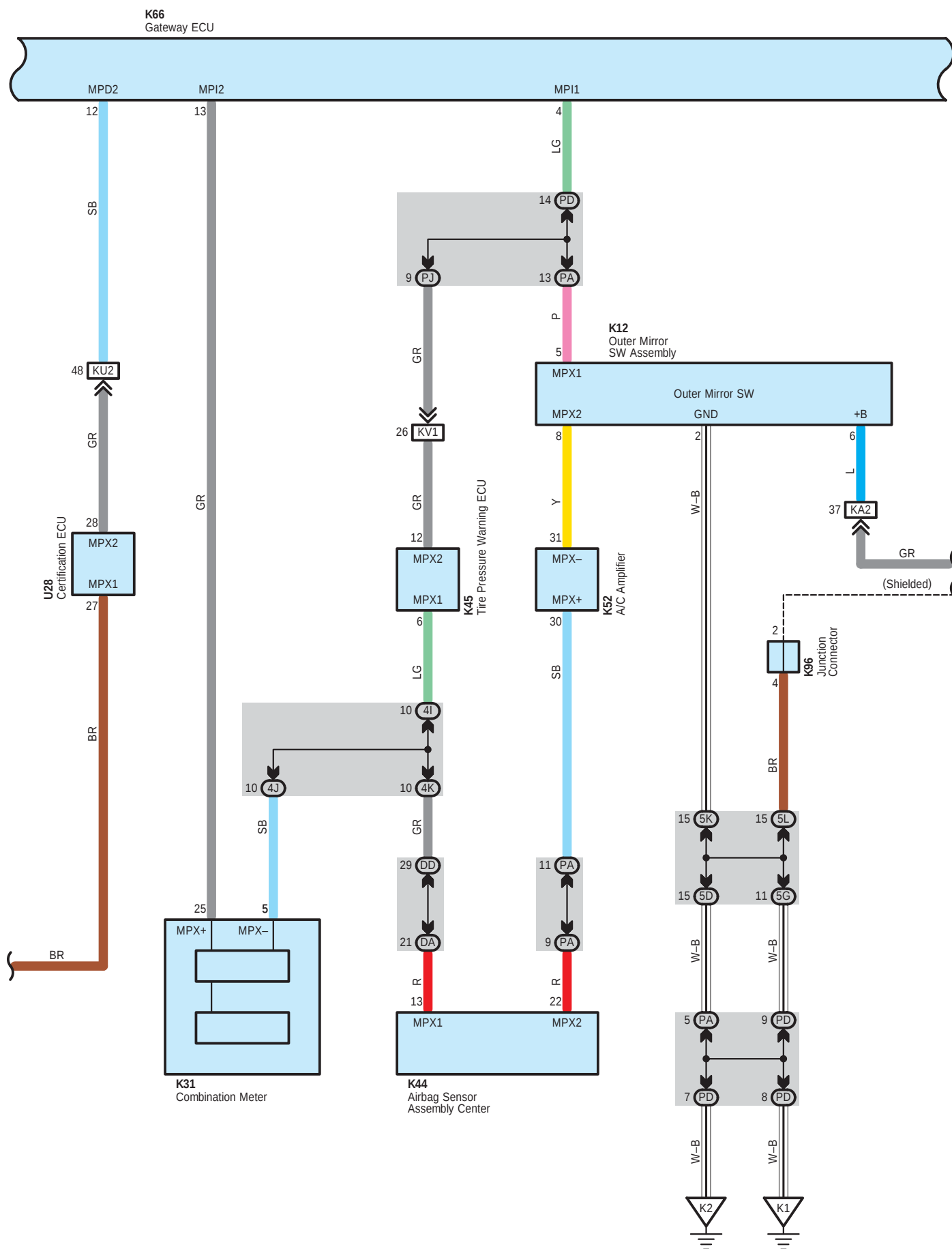


# Remote Control Mirror

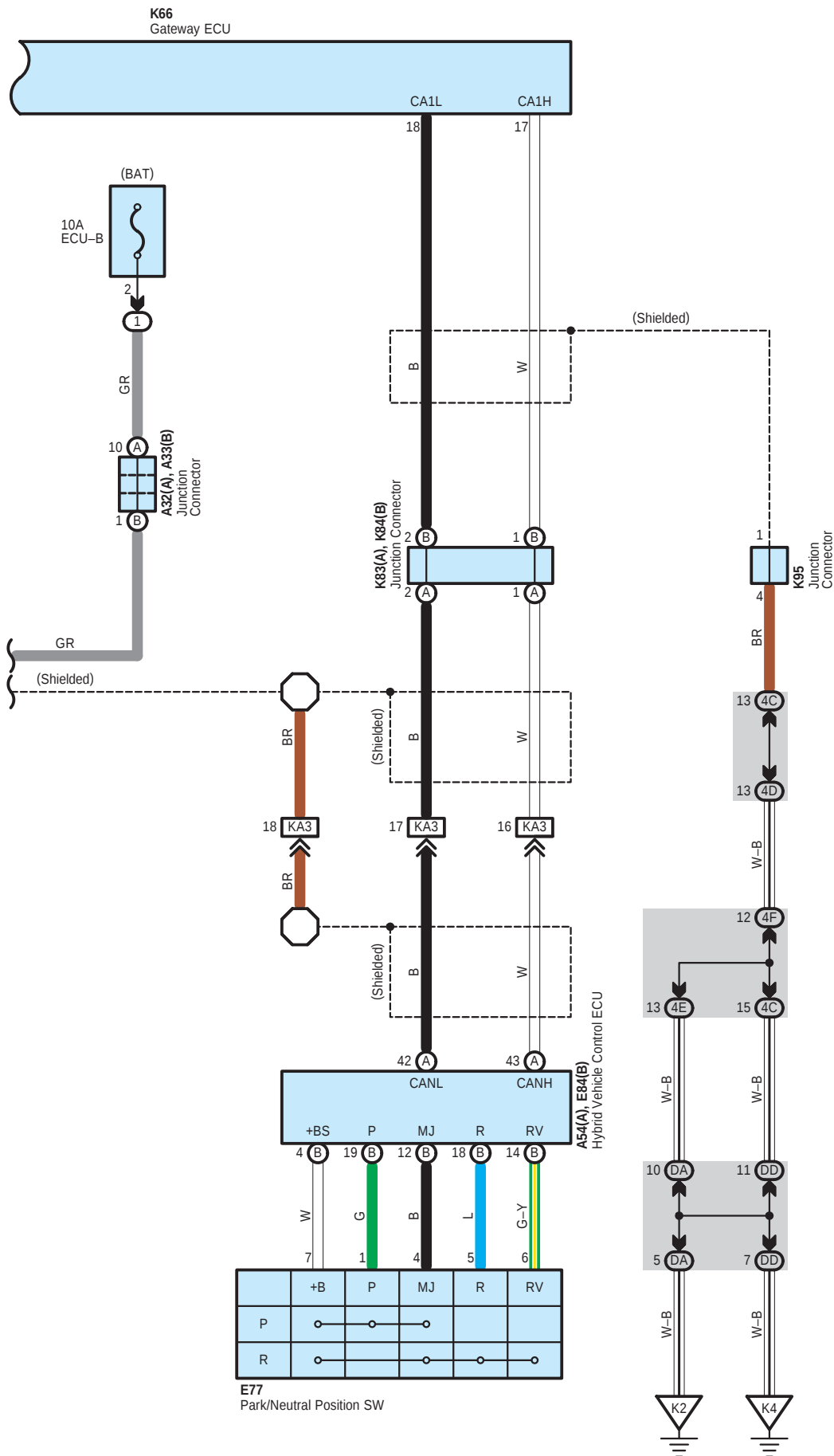
K66  
Gateway ECU

z5(C)  
Outer Rear View Mirror (RH)





# Remote Control Mirror



☐ : Parts Location

| Code |   | See Page | Code |    | See Page | Code |   | See Page |
|------|---|----------|------|----|----------|------|---|----------|
| A32  | A | 84       | K52  | 86 |          | M10  | B | 88       |
| A33  | B | 84       | K66  | 86 |          | O3   |   | 88       |
| A54  | A | 80       | K73  | 86 |          | O7   |   | 88       |
| E77  |   | 81       | K83  | A  | 78, 86   | Q10  |   | 89       |
| E84  | B | 81       | K84  | B  | 78, 86   | Q13  |   | 89       |
| K12  |   | 85       | K95  | 86 |          | U28  |   | 90       |
| K31  |   | 85       | K96  | 86 |          | z5   | C | 93       |
| K44  |   | 86       | M4   | B  | 88       | z6   | C | 93       |
| K45  |   | 86       | M9   | A  | 88       |      |   |          |

☐ : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location)            |
|------|----------|------------------------------------------------|
| 1    | 24       | 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)                                       |
|------|----------|--------------------------------------------------------------------------------------------|
| 4C   | 70       | Instrument Panel Wire and Center J/B RH (Right Side of the Instrument Panel Reinforcement) |
| 4D   |          |                                                                                            |
| 4E   |          |                                                                                            |
| 4F   |          |                                                                                            |
| 4I   |          |                                                                                            |
| 4J   |          |                                                                                            |
| 4K   |          |                                                                                            |
| 5A   | 66       | Instrument Panel Wire and Center J/B LH (Right Side of the Instrument Panel Reinforcement) |
| 5D   |          |                                                                                            |
| 5E   |          |                                                                                            |
| 5G   |          |                                                                                            |
| 5K   |          |                                                                                            |
| 5L   |          |                                                                                            |
| DA   | 55       | Instrument Panel Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| DD   |          |                                                                                            |
| PA   | 49       | Instrument Panel Wire and Cowl Side J/B LH (Lower Finish Panel)                            |
| PD   |          |                                                                                            |
| PJ   | 50       | Floor No.2 Wire and Cowl Side J/B LH (Lower Finish Panel)                                  |
| PL   | 50       | Engine Room Main Wire and Cowl Side J/B LH (Lower Finish Panel)                            |

☐ : Connector Joining Wire Harness and Wire Harness

| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location)                     |
|------|----------|--------------------------------------------------------------------------------|
| KA2  | 97       | Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)              |
| KA3  | 97       | Instrument Panel Wire and Engine Room Main Wire (Right Kick Panel)             |
| KU2  | 97       | Instrument Panel Wire and Floor No.1 Wire (Right Kick Panel)                   |
| KV1  | 97       | Instrument Panel Wire and Floor No.2 Wire (Left Kick Panel)                    |
| MQ2  | 98       | Front Door LH Wire and Front Door LH No.2 Wire (Front Door Inner Panel LH)     |
| MU1  | 97       | Front Door RH Wire and Floor No.1 Wire (Right Kick Panel)                      |
| MU2  |          |                                                                                |
| MV1  | 97       | Front Door LH Wire and Floor No.2 Wire (Left Kick Panel)                       |
| MV2  |          |                                                                                |
| OU1  | 98       | Rear Door No.1 Wire and Floor No.1 Wire (Right Center Pillar)                  |
| OV1  | 98       | Rear Door No.2 Wire and Floor No.2 Wire (Left Center Pillar)                   |
| UV1  | 98       | Floor No.1 Wire and Floor No.2 Wire (Center of the Rear Floor Partition Panel) |

## Remote Control Mirror

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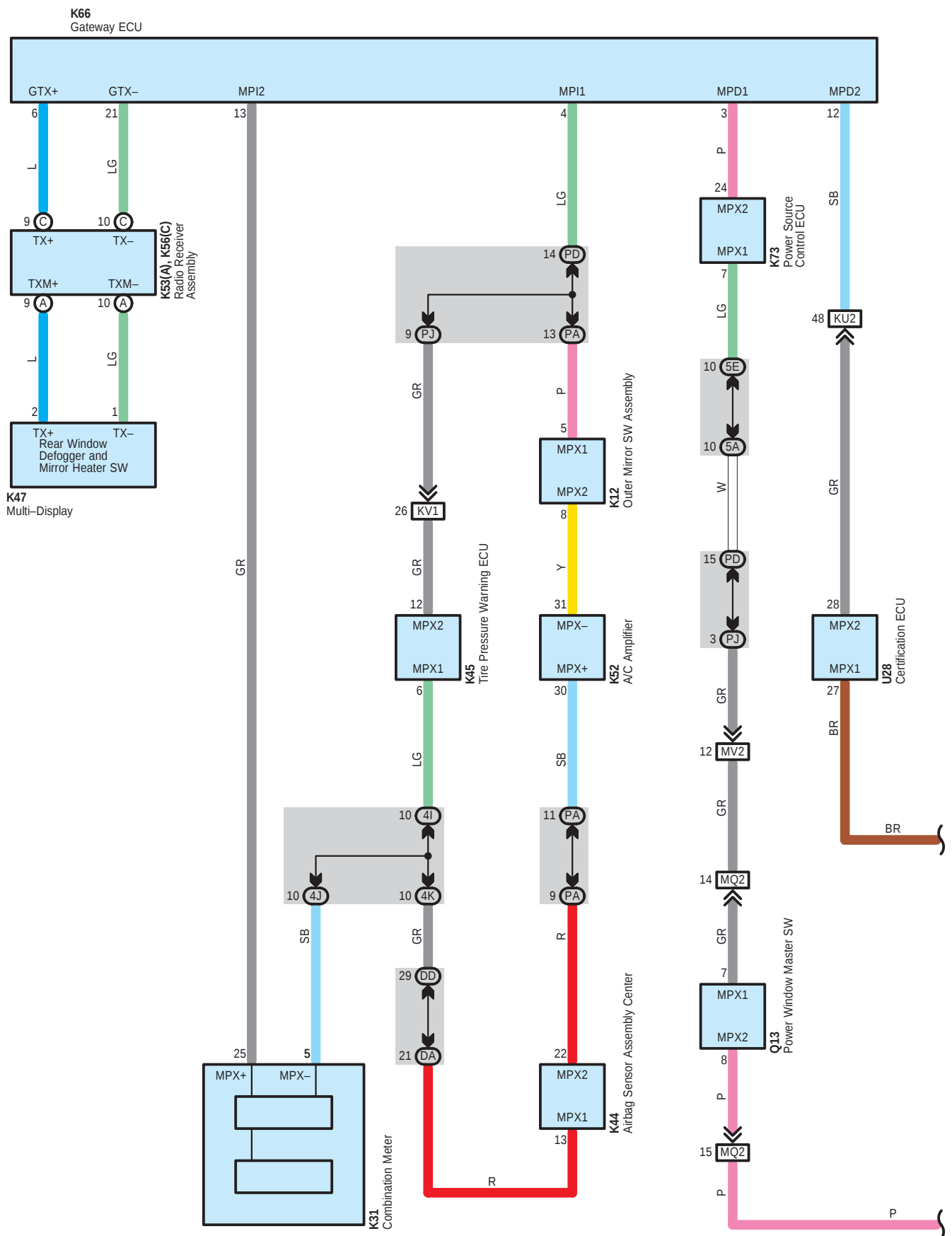


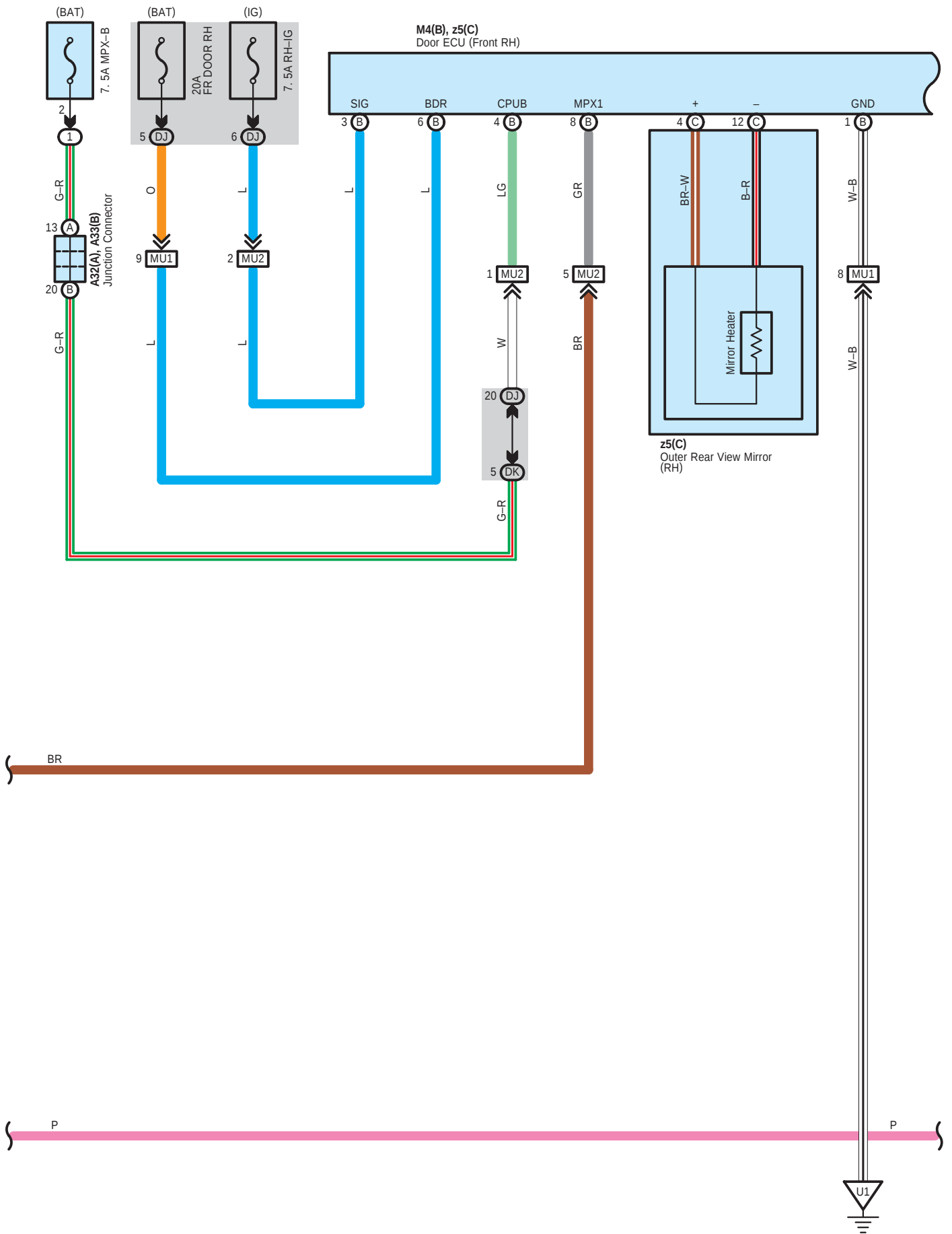
: Ground Points

| Code | See Page | Ground Points Location           |
|------|----------|----------------------------------|
| K1   | 97       | Left Kick Panel                  |
| K2   | 97       | Left Side of the Shift Lever     |
| K4   | 97       | Right Kick Panel                 |
| U1   | 98       | Under the Front Passenger's Seat |
| V1   | 98       | Under the Driver's Seat          |

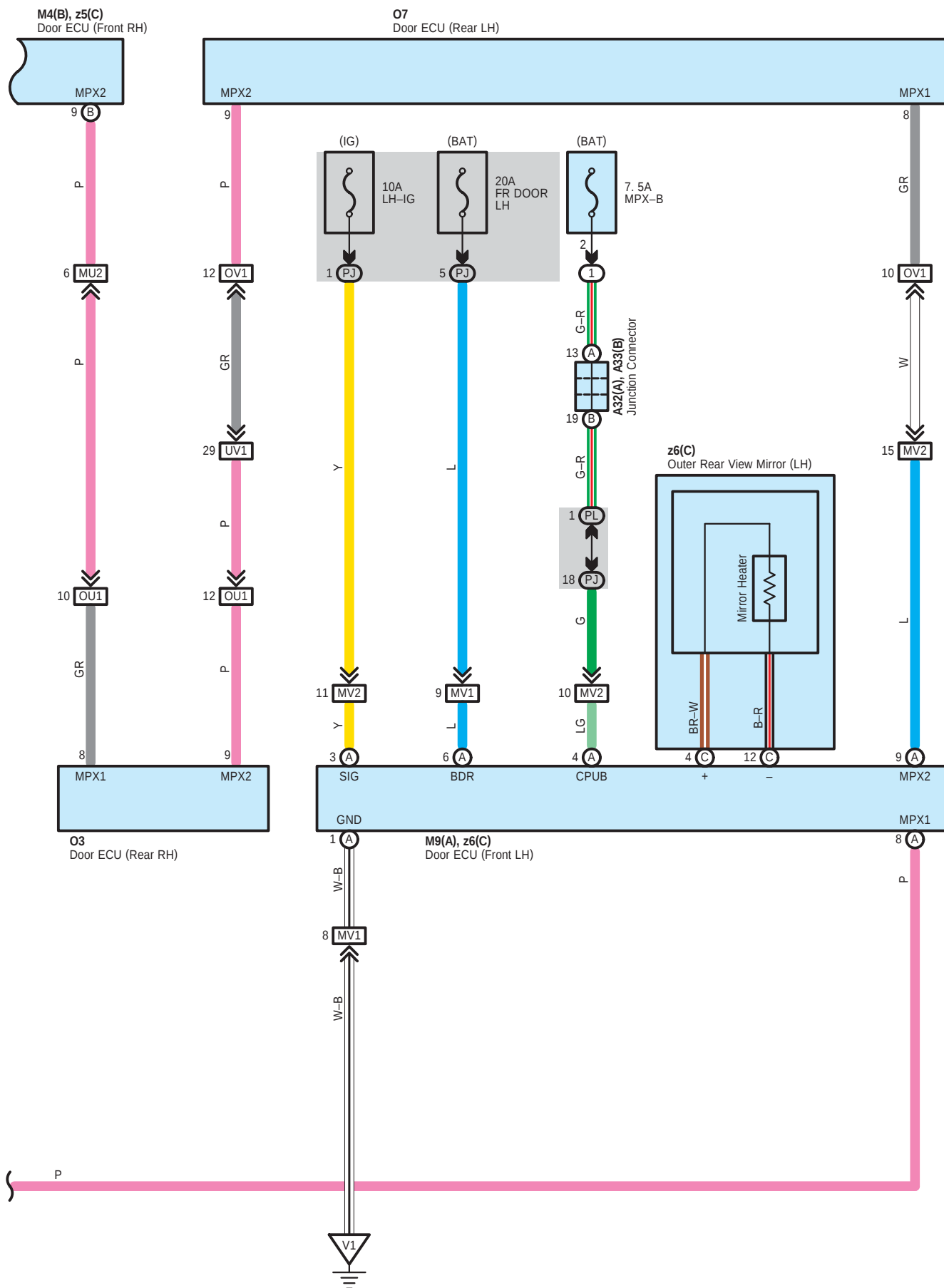


# Mirror Heater





# Mirror Heater



 : Parts Location

| Code |   | See Page | Code |   | See Page | Code |    | See Page |
|------|---|----------|------|---|----------|------|----|----------|
| A32  | A | 84       | K52  |   | 86       | O3   | 88 |          |
| A33  | B | 84       | K53  | A | 86       | O7   | 88 |          |
| K12  |   | 85       | K56  | C | 86       | Q13  | 89 |          |
| K31  |   | 85       | K66  |   | 86       | U28  | 90 |          |
| K44  |   | 86       | K73  |   | 86       | z5   | C  | 93       |
| K45  |   | 86       | M4   | B | 88       | z6   | C  | 93       |
| K47  |   | 86       | M9   | A | 88       |      |    |          |

 : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location)            |
|------|----------|------------------------------------------------|
| 1    | 24       | 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)                                       |
|------|----------|--------------------------------------------------------------------------------------------|
| 4I   | 70       | Instrument Panel Wire and Center J/B RH (Right Side of the Instrument Panel Reinforcement) |
| 4J   |          |                                                                                            |
| 4K   |          |                                                                                            |
| 5A   | 66       | Instrument Panel Wire and Center J/B LH (Right Side of the Instrument Panel Reinforcement) |
| 5E   |          |                                                                                            |
| DA   | 55       | Instrument Panel Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| DD   |          |                                                                                            |
| DJ   | 56       | Floor Wire and Cowl Side J/B RH (Behind the Glove Box)                                     |
| DK   | 56       | Engine Room Main Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| PA   | 49       | Instrument Panel Wire and Cowl Side J/B LH (Lower Finish Panel)                            |
| PD   |          |                                                                                            |
| PJ   | 50       | Floor No.2 Wire and Cowl Side J/B LH (Lower Finish Panel)                                  |
| PL   | 50       | Engine Room Main Wire and Cowl Side J/B LH (Lower Finish Panel)                            |

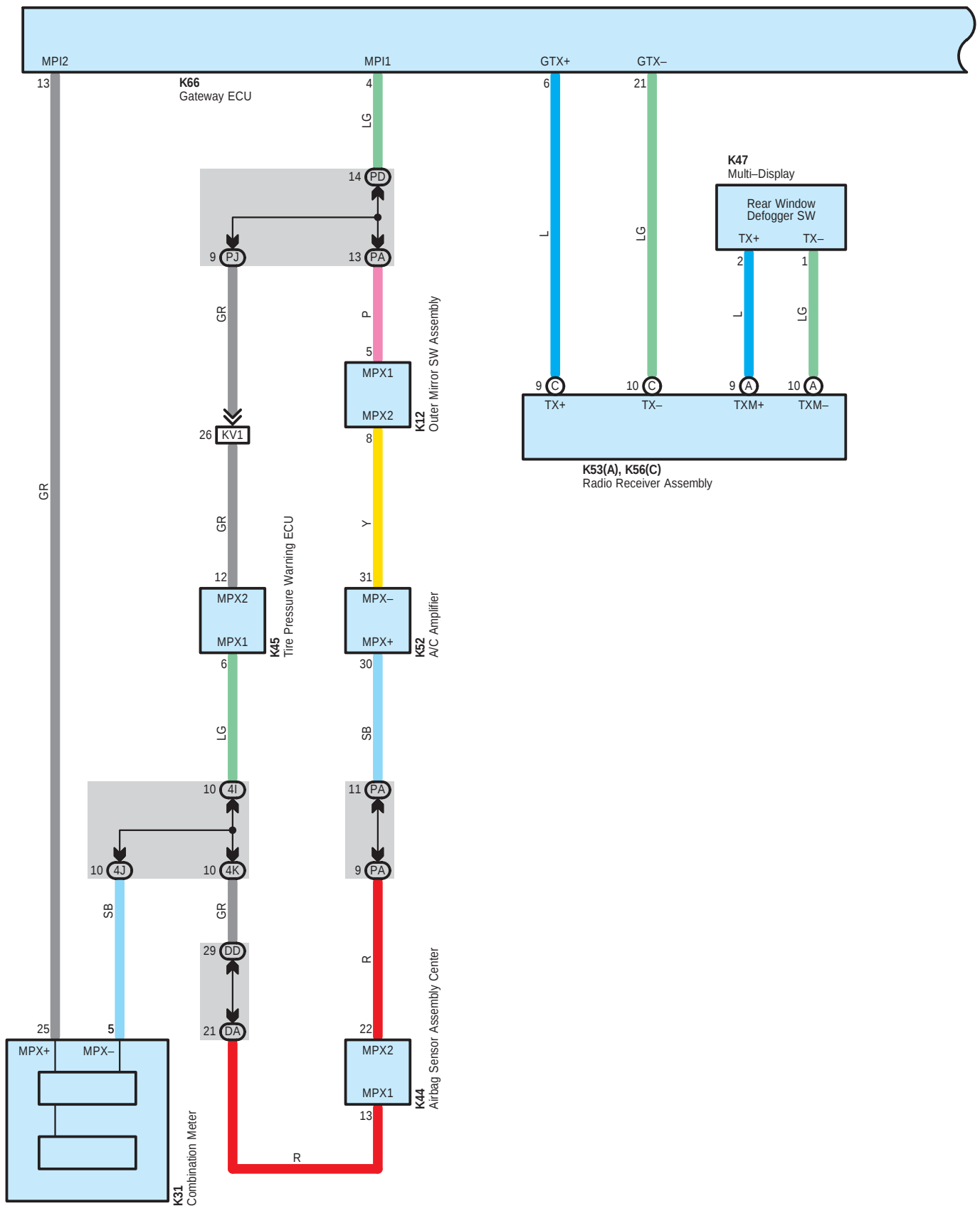
 : Connector Joining Wire Harness and Wire Harness

| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location)                     |
|------|----------|--------------------------------------------------------------------------------|
| KU2  | 97       | Instrument Panel Wire and Floor No.1 Wire (Right Kick Panel)                   |
| KV1  | 97       | Instrument Panel Wire and Floor No.2 Wire (Left Kick Panel)                    |
| MQ2  | 98       | Front Door LH Wire and Front Door LH No.2 Wire (Front Door Inner Panel LH)     |
| MU1  | 97       | Front Door RH Wire and Floor No.1 Wire (Right Kick Panel)                      |
| MU2  |          |                                                                                |
| MV1  | 97       | Front Door LH Wire and Floor No.2 Wire (Left Kick Panel)                       |
| MV2  |          |                                                                                |
| OU1  | 98       | Rear Door No.1 Wire and Floor No.1 Wire (Right Center Pillar)                  |
| OV1  | 98       | Rear Door No.2 Wire and Floor No.2 Wire (Left Center Pillar)                   |
| UV1  | 98       | Floor No.1 Wire and Floor No.2 Wire (Center of the Rear Floor Partition Panel) |

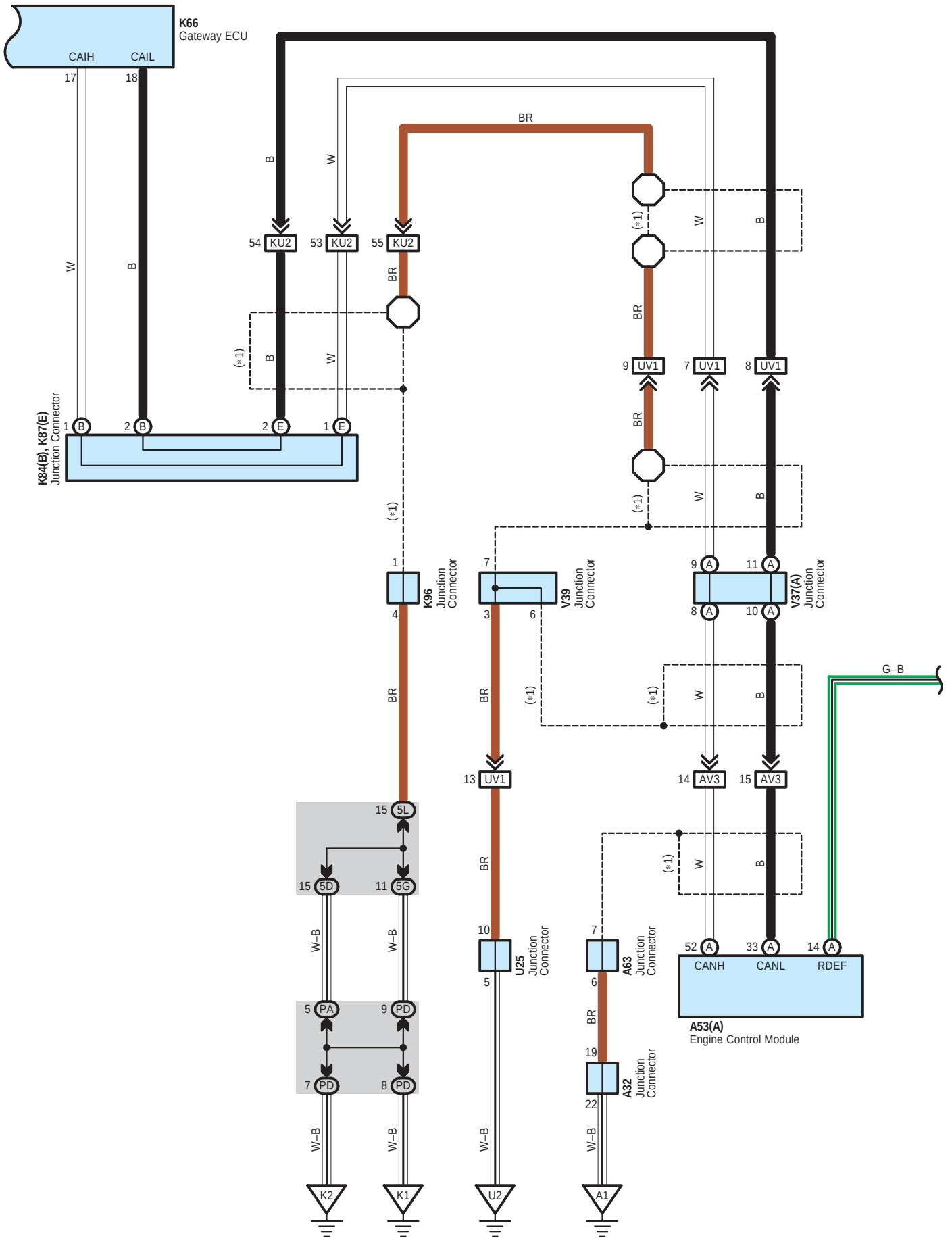
 : Ground Points

| Code | See Page | Ground Points Location           |
|------|----------|----------------------------------|
| U1   | 98       | Under the Front Passenger's Seat |
| V1   | 98       | Under the Driver's Seat          |

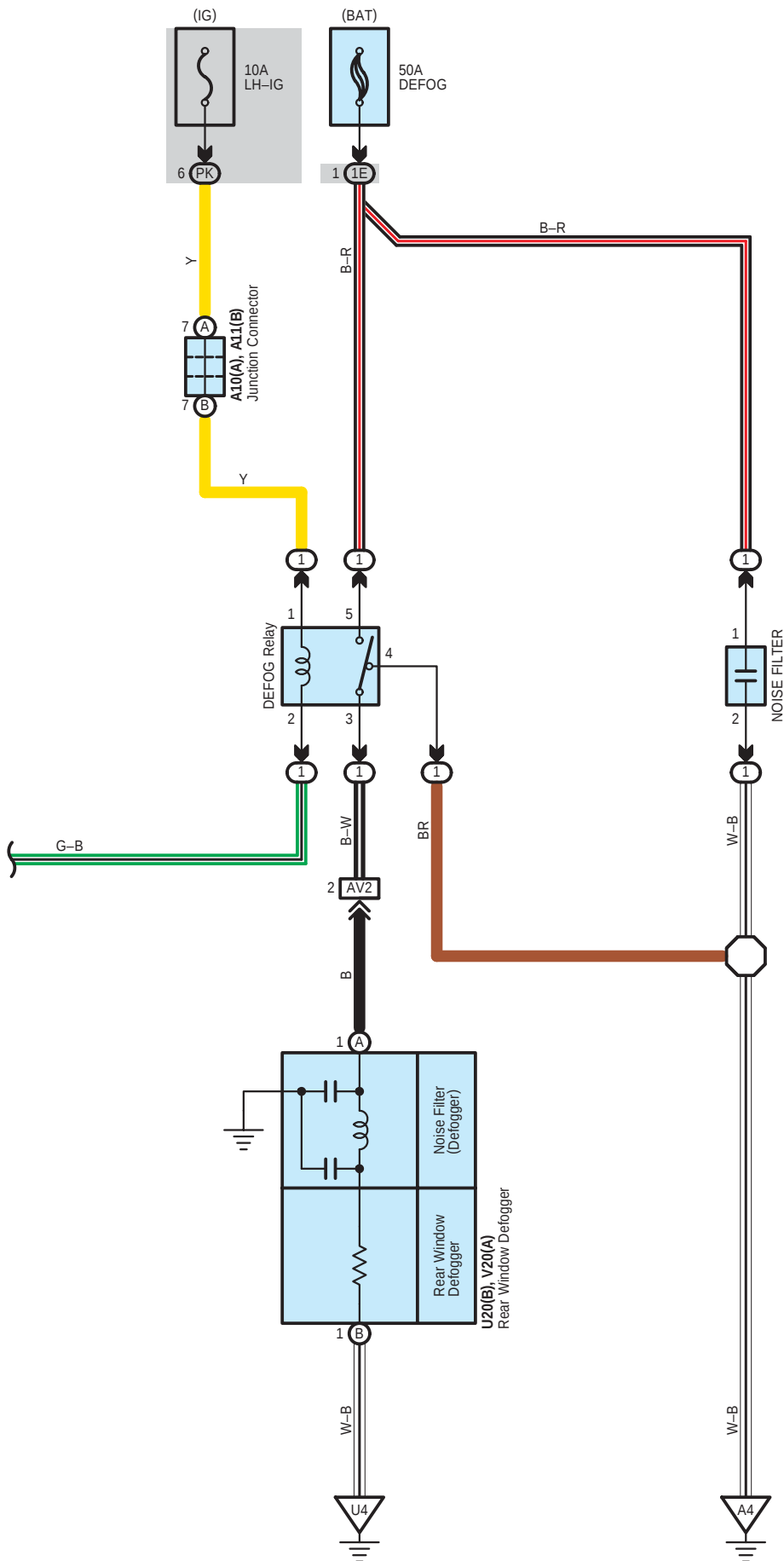
# Rear Window Defogger



\* 1 : Shielded



# Rear Window Defogger



 : Parts Location

| Code |   | See Page | Code |   | See Page | Code |   | See Page |
|------|---|----------|------|---|----------|------|---|----------|
| A10  | A | 80       | K45  |   | 86       | K96  |   | 86       |
| A11  | B | 80       | K47  |   | 86       | U20  | B | 90       |
| A32  |   | 84       | K52  |   | 86       | U25  |   | 90       |
| A53  | A | 80       | K53  | A | 86       | V20  | A | 91       |
| A63  |   | 84       | K56  | C | 86       | V37  | A | 91       |
| K12  |   | 85       | K66  |   | 86       | V39  |   | 91       |
| K31  |   | 85       | K84  | B | 78, 86   |      |   |          |
| K44  |   | 86       | K87  | E | 78, 86   |      |   |          |

 : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location)            |
|------|----------|------------------------------------------------|
| 1    | 24       | 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)                                       |
|------|----------|--------------------------------------------------------------------------------------------|
| 1E   | 27       | Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment left)                   |
| 4I   | 70       | Instrument Panel Wire and Center J/B RH (Right Side of the Instrument Panel Reinforcement) |
| 4J   |          |                                                                                            |
| 4K   |          |                                                                                            |
| 5D   | 66       | Instrument Panel Wire and Center J/B LH (Right Side of the Instrument Panel Reinforcement) |
| 5G   |          |                                                                                            |
| 5L   |          |                                                                                            |
| DA   | 55       | Instrument Panel Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| DD   |          |                                                                                            |
| PA   | 49       | Instrument Panel Wire and Cowl Side J/B LH (Lower Finish Panel)                            |
| PD   |          |                                                                                            |
| PJ   | 50       | Floor No.2 Wire and Cowl Side J/B LH (Lower Finish Panel)                                  |
| PK   | 50       | Engine Room Main Wire and Cowl Side J/B LH (Lower Finish Panel)                            |

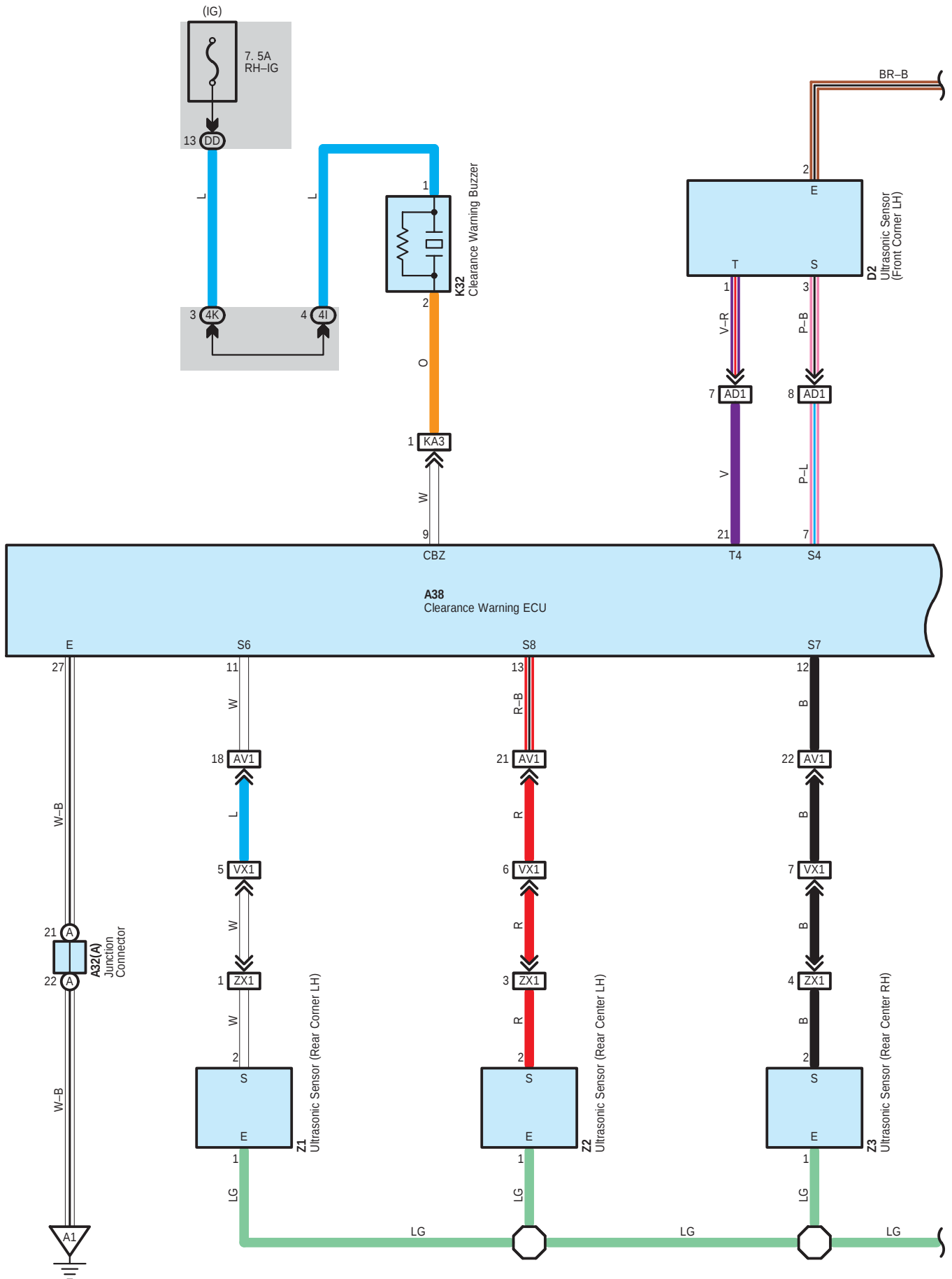
 : Connector Joining Wire Harness and Wire Harness

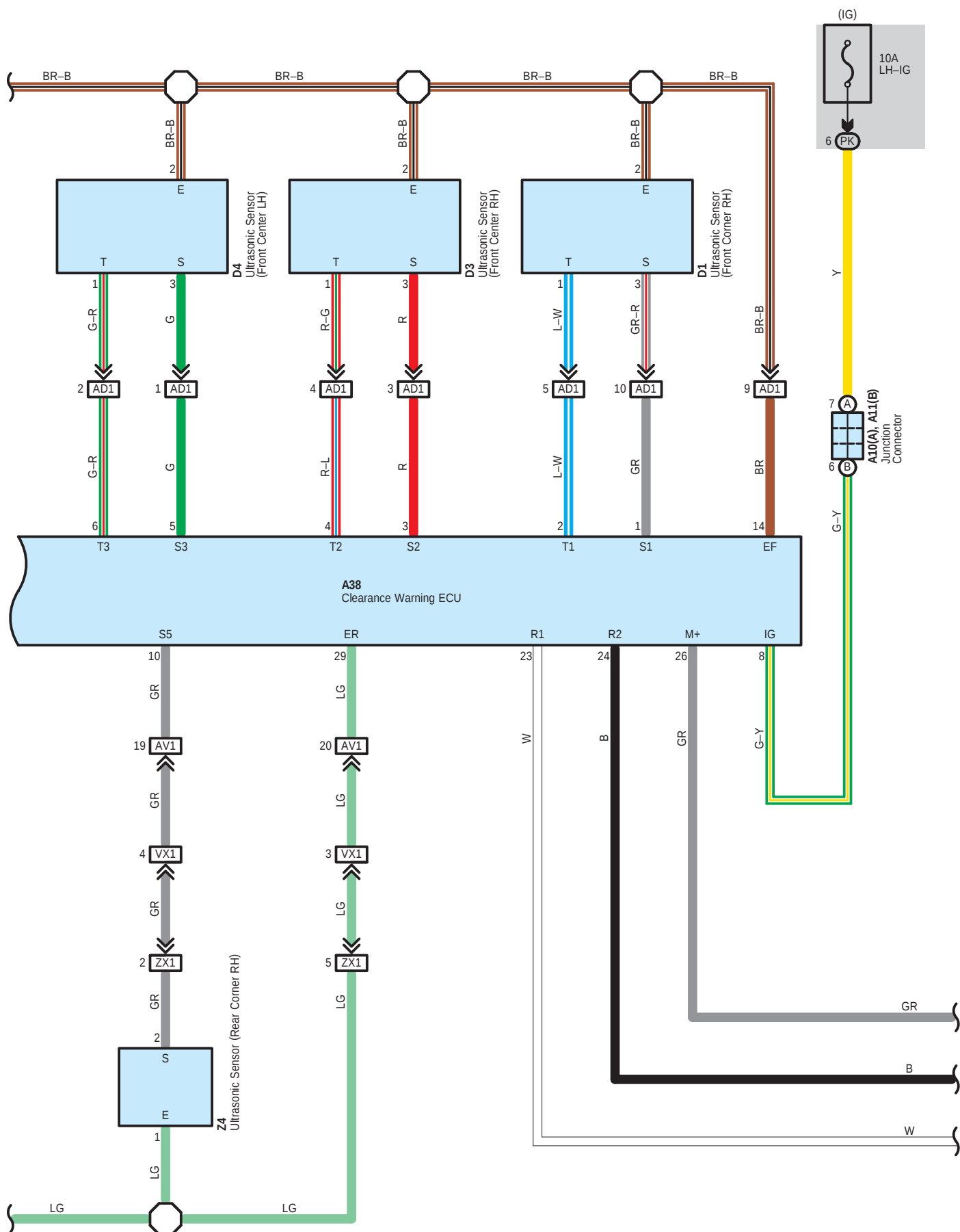
| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location)                     |
|------|----------|--------------------------------------------------------------------------------|
| AV2  | 97       | Engine Room Main Wire and Floor No.2 Wire (Cowl Side Panel LH)                 |
| AV3  |          |                                                                                |
| KU2  | 97       | Instrument Panel Wire and Floor No.1 Wire (Right Kick Panel)                   |
| KV1  | 97       | Instrument Panel Wire and Floor No.2 Wire (Left Kick Panel)                    |
| UV1  | 98       | Floor No.1 Wire and Floor No.2 Wire (Center of the Rear Floor Partition Panel) |

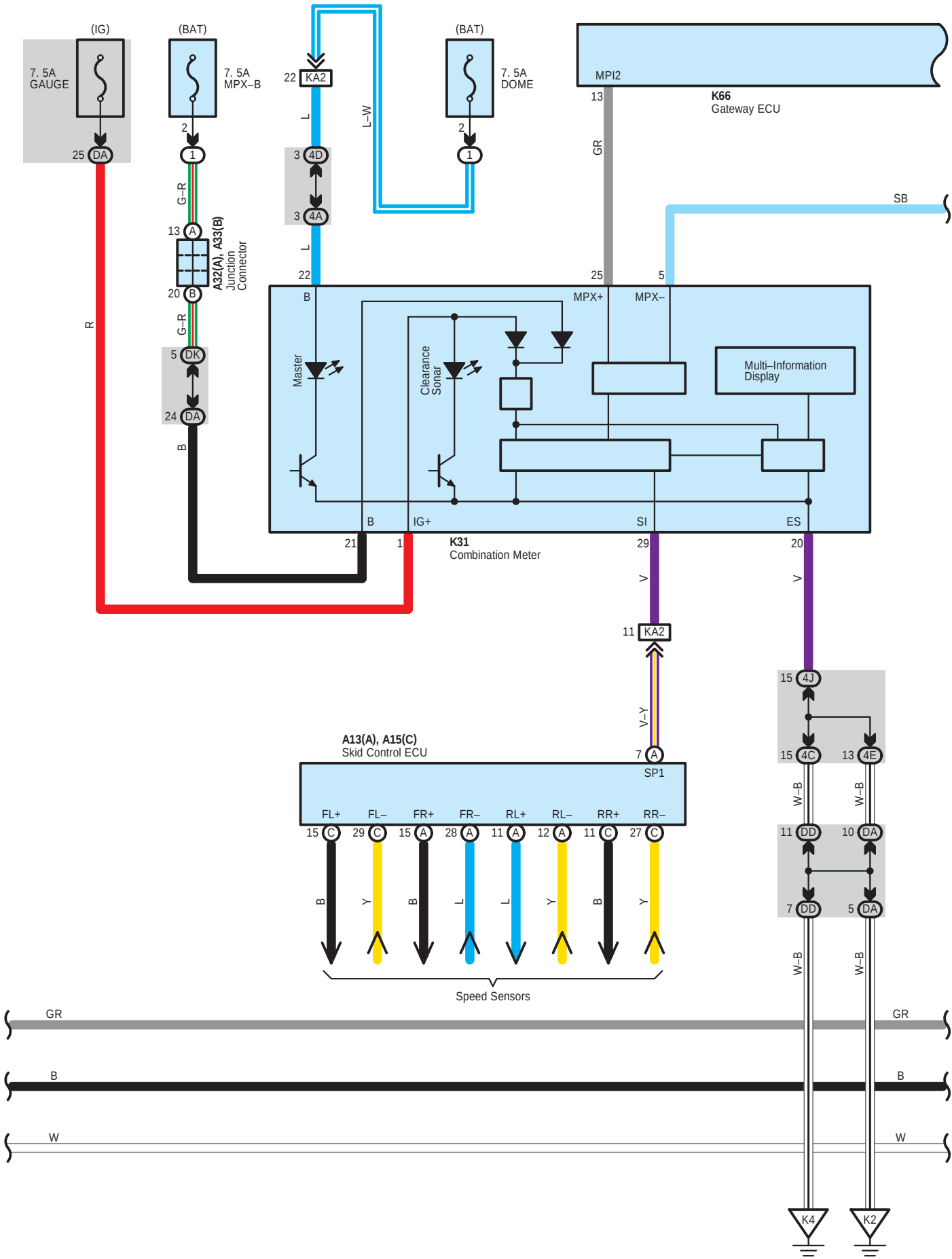
 : Ground Points

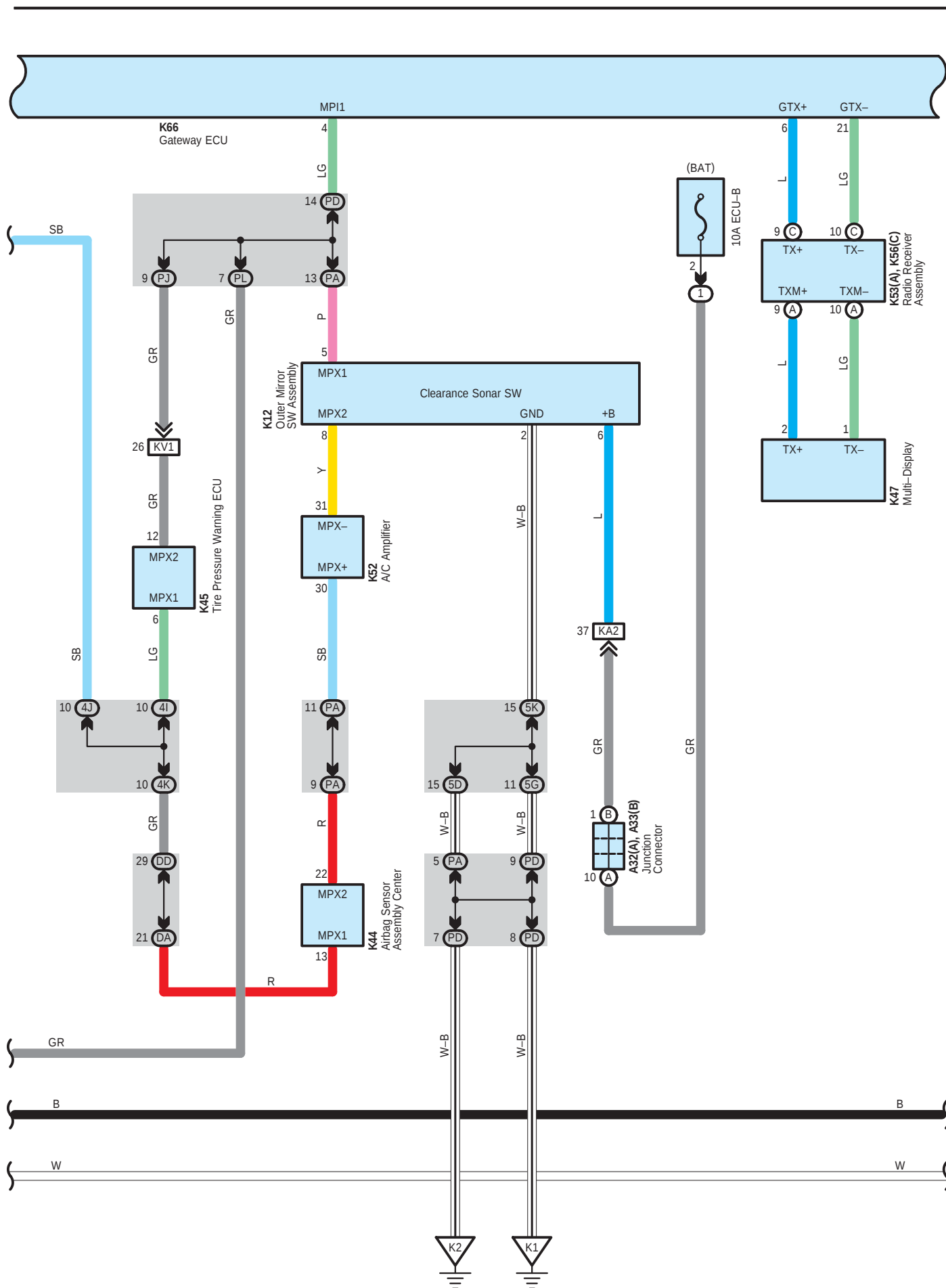
| Code | See Page | Ground Points Location                       |
|------|----------|----------------------------------------------|
| A1   | 96       | Left Side of the Dash Panel                  |
| A4   | 96       | Front Right Fender Apron                     |
| K1   | 97       | Left Kick Panel                              |
| K2   | 97       | Left Side of the Shift Lever                 |
| U2   | 98       | Right Side of the Rear Floor Partition Panel |
| U4   | 98       | Roof Side Inner Panel RH                     |

# Parking Assist (Intuitive Parking Assist)

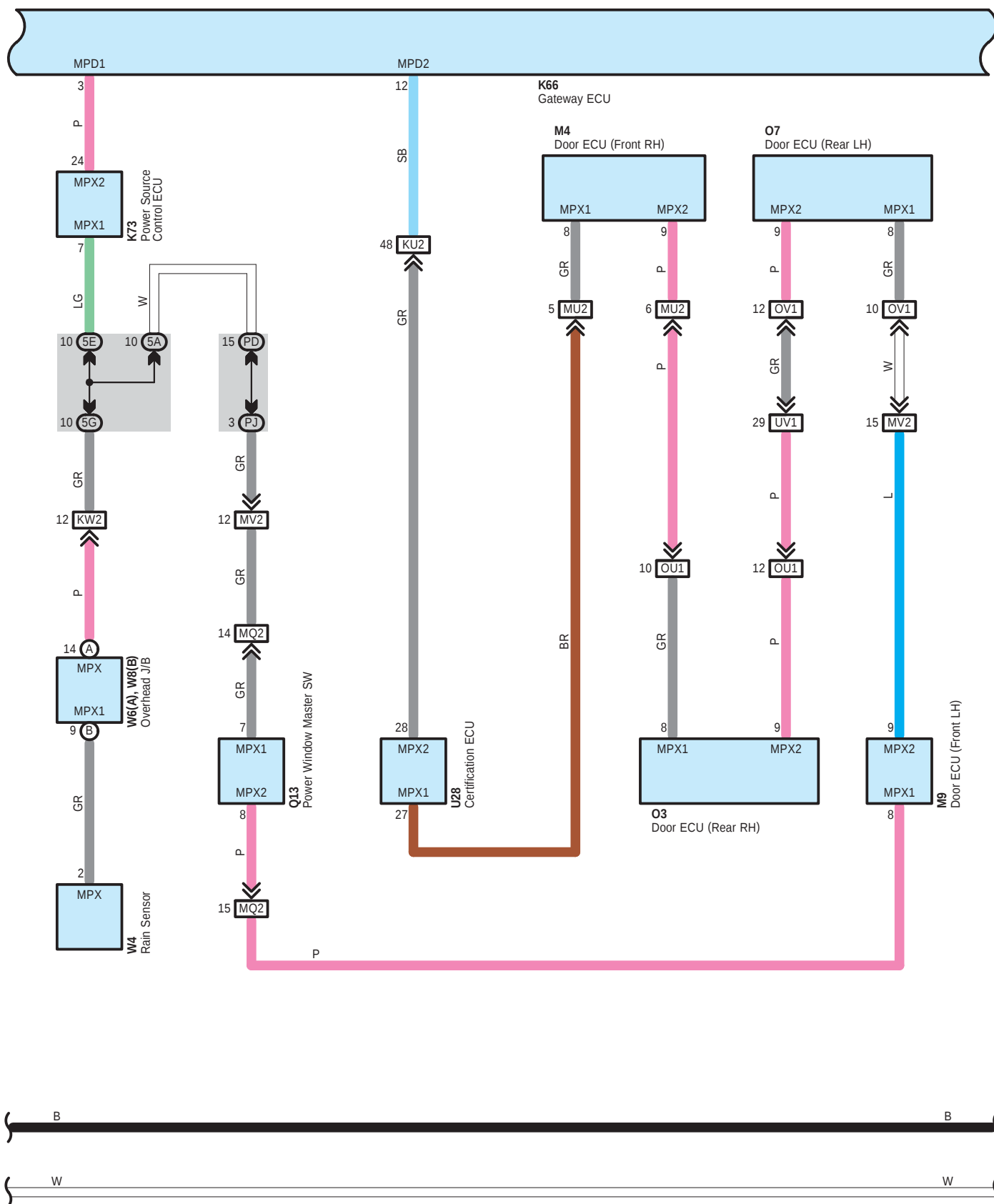


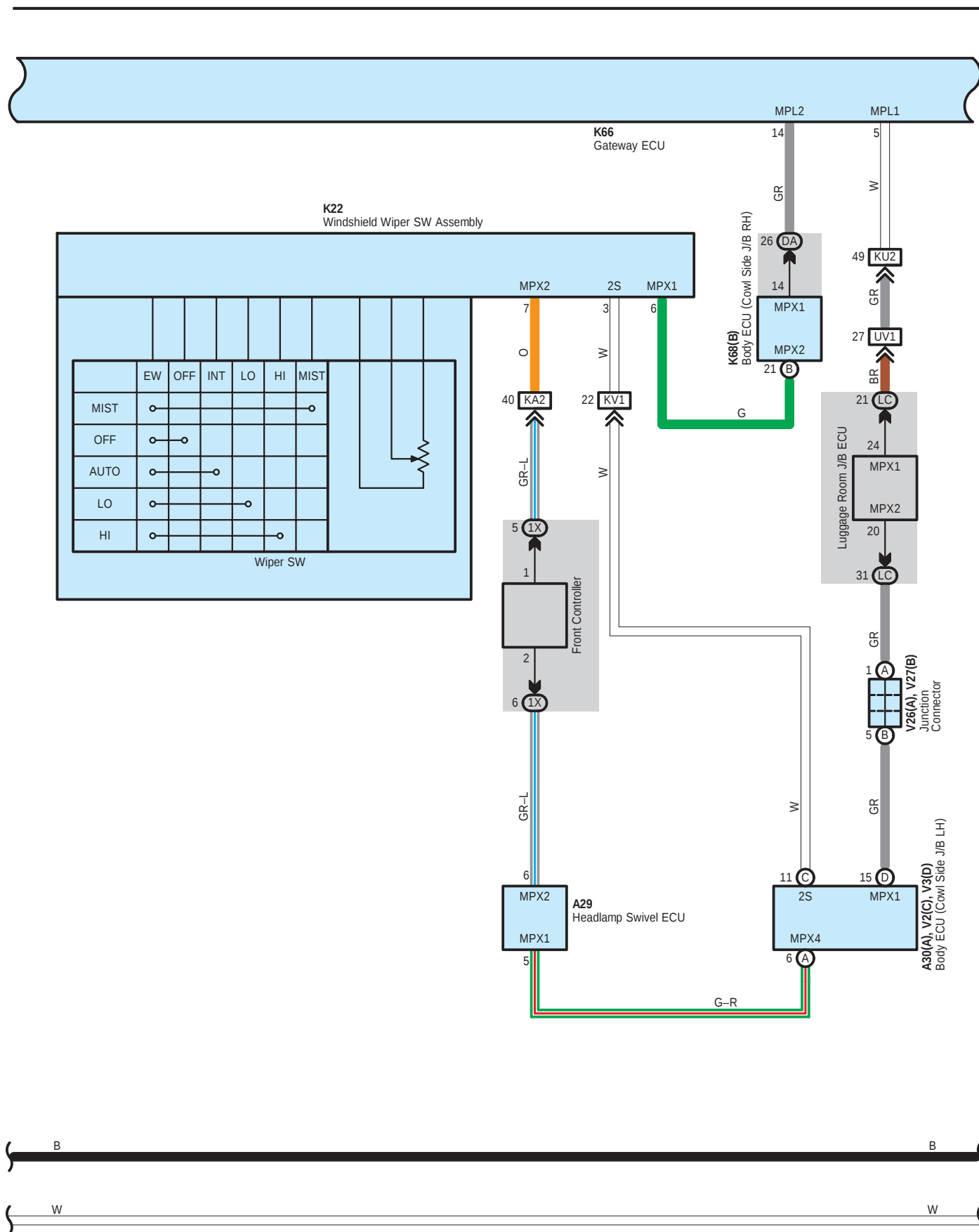




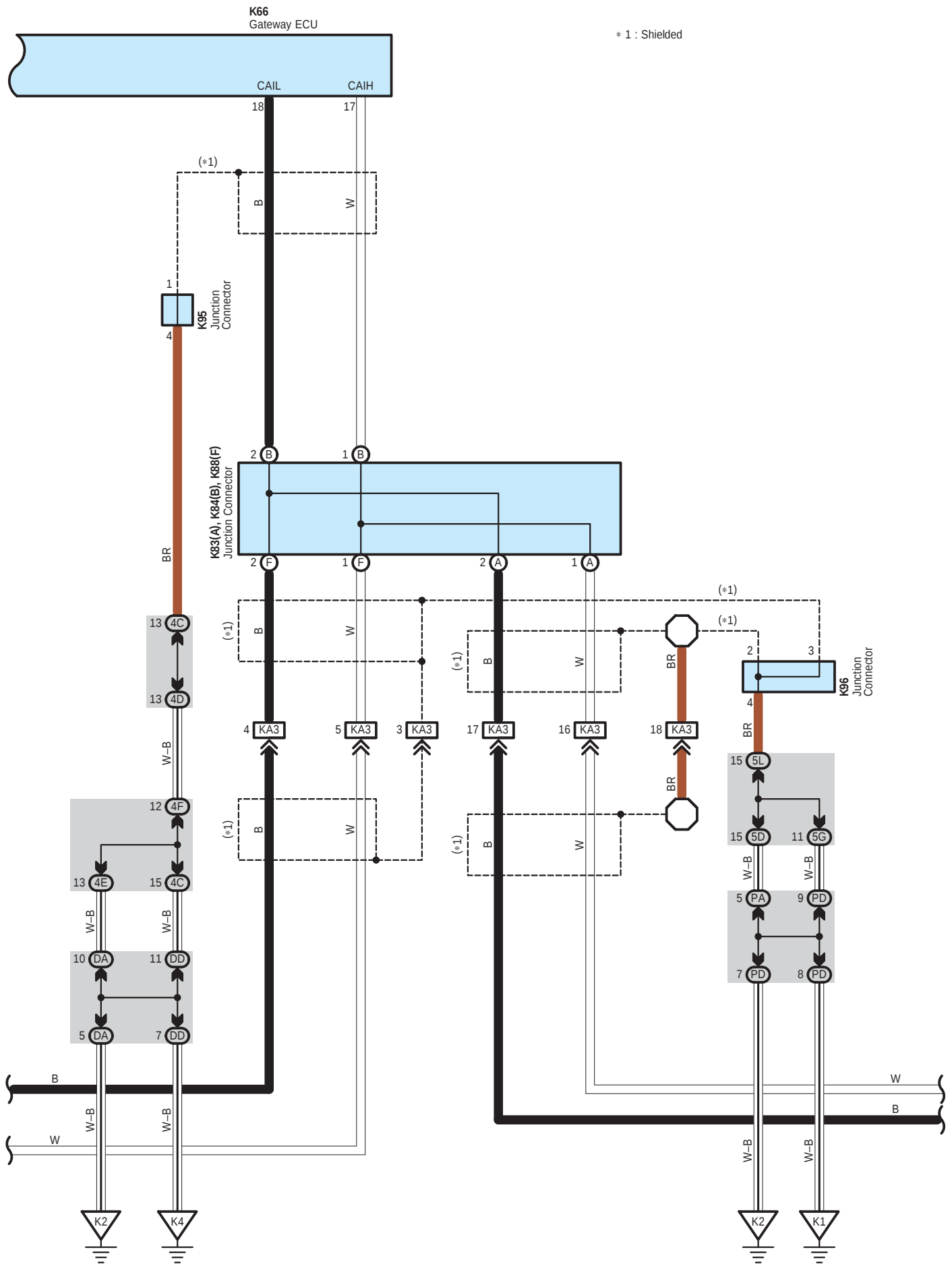


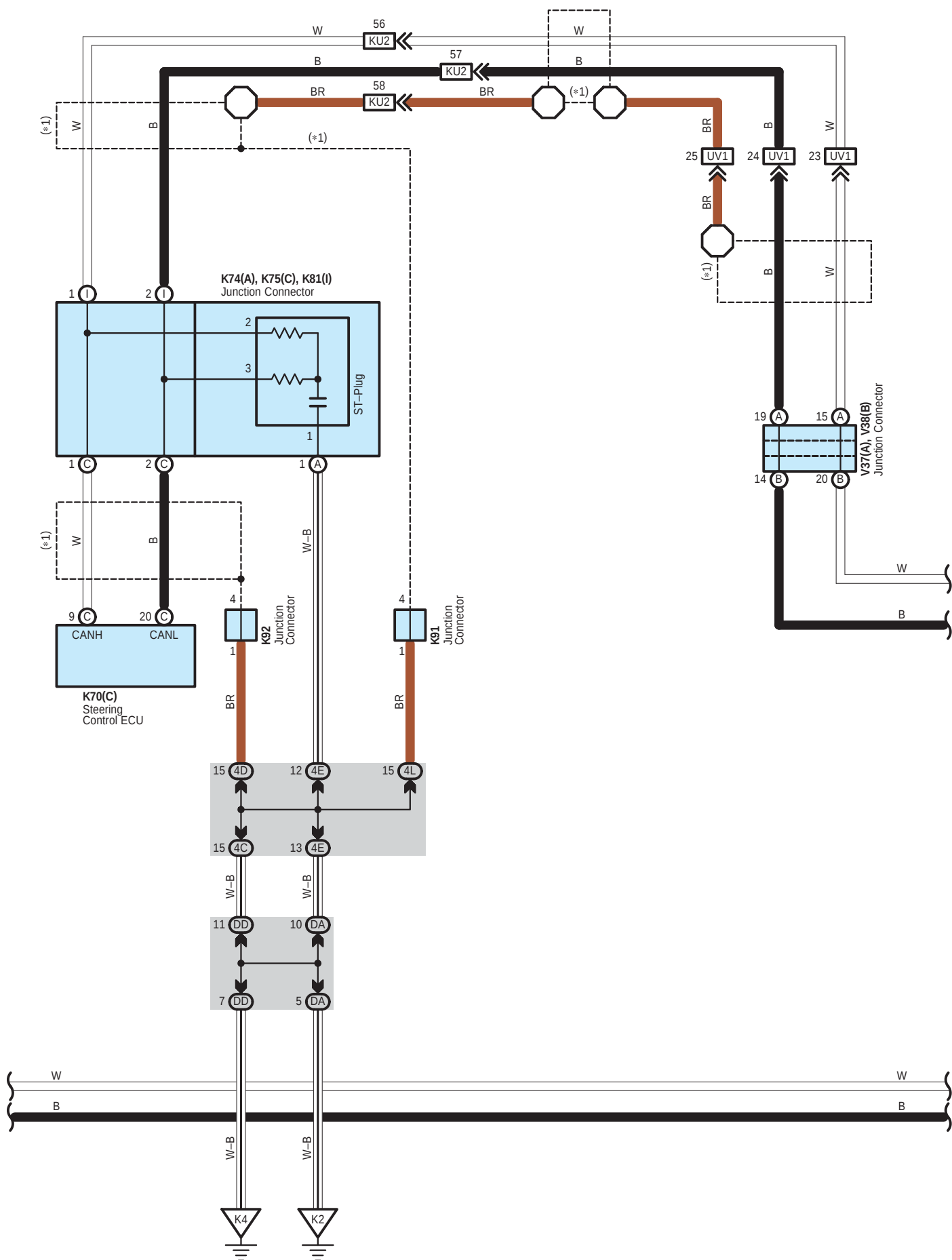
## Parking Assist (Intuitive Parking Assist)





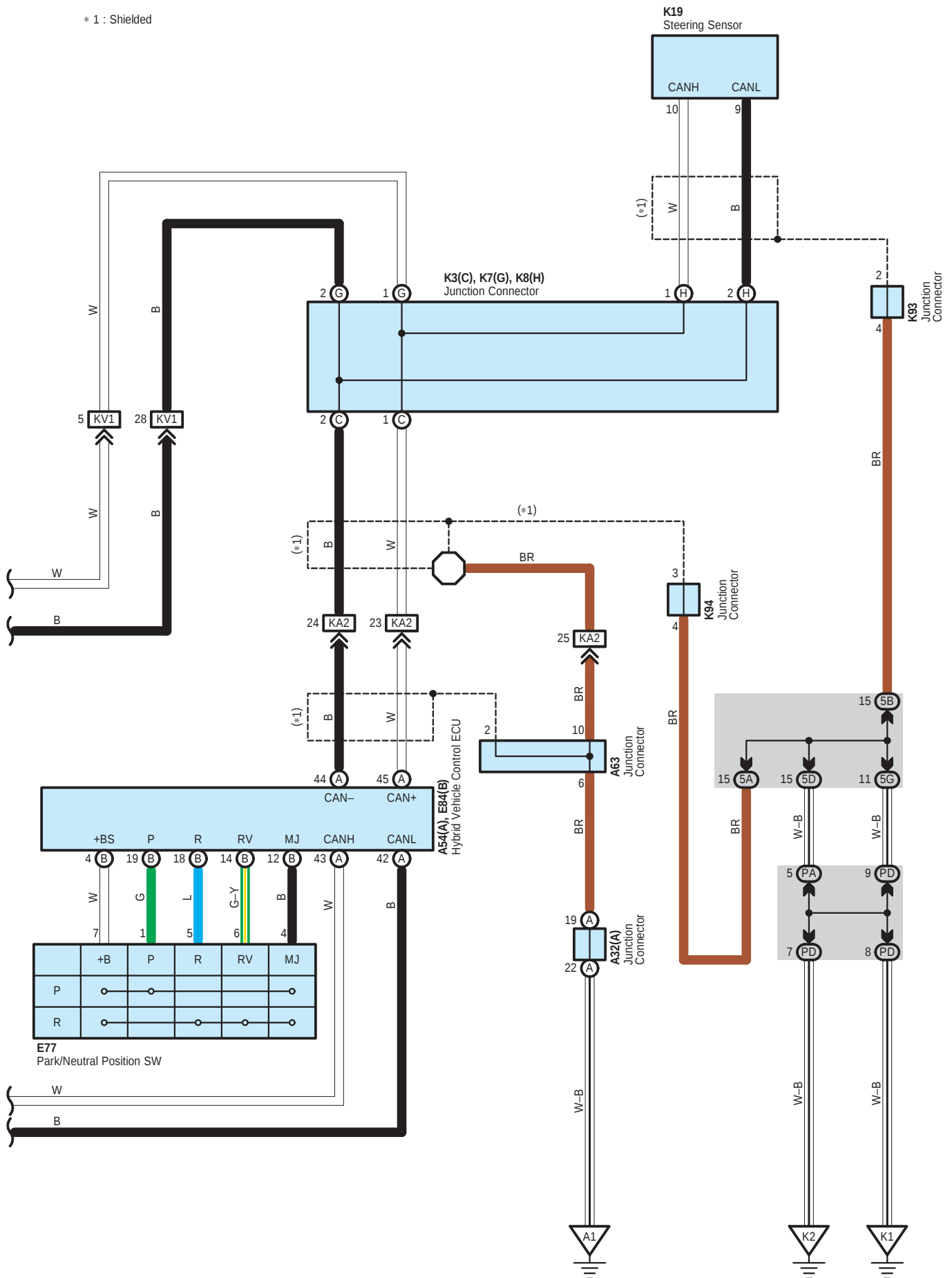
# Parking Assist (Intuitive Parking Assist)





# Parking Assist (Intuitive Parking Assist)

\* 1 : Shielded



## System Outline

It is a driving support system which watches objects around the vehicle and displays judgment whether the vehicle contacts or does not contact the object from input information from the steering angle sensor.

## ○ : Parts Location

| Code |   | See Page | Code |   | See Page | Code |   | See Page |
|------|---|----------|------|---|----------|------|---|----------|
| A10  | A | 80       | K22  |   | 85       | K94  |   | 86       |
| A11  | B | 80       | K31  |   | 85       | K95  |   | 86       |
| A13  | A | 80       | K32  |   | 85       | K96  |   | 86       |
| A15  | C | 80       | K44  |   | 86       | M4   |   | 88       |
| A29  |   | 84       | K45  |   | 86       | M9   |   | 88       |
| A30  | A | 84       | K47  |   | 86       | O3   |   | 88       |
| A32  | A | 84       | K52  |   | 86       | O7   |   | 88       |
| A33  | B | 84       | K53  | A | 86       | Q13  |   | 89       |
| A38  |   | 84       | K56  | C | 86       | U28  |   | 90       |
| A54  | A | 80       | K66  |   | 86       | V2   | C | 87       |
| A63  |   | 84       | K68  | B | 86       | V3   | D | 87       |
| D1   |   | 83       | K70  | C | 86       | V26  | A | 91       |
| D2   |   | 83       | K73  |   | 86       | V27  | B | 91       |
| D3   |   | 83       | K74  | A | 76, 86   | V37  | A | 91       |
| D4   |   | 83       | K75  | C | 76, 86   | V38  | B | 91       |
| E77  |   | 81       | K81  | I | 76, 86   | W4   |   | 92       |
| E84  | B | 81       | K83  | A | 78, 86   | W6   | A | 92       |
| K3   | C | 74, 85   | K84  | B | 78, 86   | W8   | B | 92       |
| K7   | G | 74, 85   | K88  | F | 78, 86   | Z1   |   | 93       |
| K8   | H | 74, 85   | K91  |   | 86       | Z2   |   | 93       |
| K12  |   | 85       | K92  |   | 86       | Z3   |   | 93       |
| K19  |   | 85       | K93  |   | 86       | Z4   |   | 93       |

## ○ : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location)            |
|------|----------|------------------------------------------------|
| 1    | 24       | Engine Room R/B No.1 (Engine Compartment Left) |

## Parking Assist (Intuitive Parking Assist)



### : Junction Block and Wire Harness Connector

| Code | See Page | Junction Block and Wire Harness (Connector Location)                                       |
|------|----------|--------------------------------------------------------------------------------------------|
| 1X   | 29       | Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment left)                   |
| 4A   | 70       | Instrument Panel Wire and Center J/B RH (Right Side of the Instrument Panel Reinforcement) |
| 4C   |          |                                                                                            |
| 4D   |          |                                                                                            |
| 4E   |          |                                                                                            |
| 4F   |          |                                                                                            |
| 4I   |          |                                                                                            |
| 4J   |          |                                                                                            |
| 4K   | 66       | Instrument Panel Wire and Center J/B LH (Right Side of the Instrument Panel Reinforcement) |
| 4L   |          |                                                                                            |
| 5A   |          |                                                                                            |
| 5B   |          |                                                                                            |
| 5D   |          |                                                                                            |
| 5E   |          |                                                                                            |
| 5G   |          |                                                                                            |
| 5K   | 55       | Instrument Panel Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| 5L   |          |                                                                                            |
| DA   | 56       | Engine Room Main Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| DD   |          |                                                                                            |
| DK   | 63       | Floor No.2 Wire and Luggage Room J/B (Left Side of the Quarter Panel )                     |
| LC   | 49       | Instrument Panel Wire and Cowl Side J/B LH (Lower Finish Panel)                            |
| PA   |          |                                                                                            |
| PD   |          |                                                                                            |
| PJ   | 50       | Floor No.2 Wire and Cowl Side J/B LH (Lower Finish Panel)                                  |
| PK   | 50       | Engine Room Main Wire and Cowl Side J/B LH (Lower Finish Panel)                            |
| PL   |          |                                                                                            |



### : Connector Joining Wire Harness and Wire Harness

| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location)                     |
|------|----------|--------------------------------------------------------------------------------|
| AD1  | 96       | Engine Room Main Wire and Engine Room No.4 Wire (Near the Headlamp LH)         |
| AV1  | 97       | Engine Room Main Wire and Floor No.2 Wire (Cowl Side Panel LH)                 |
| KA2  | 97       | Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)              |
| KA3  | 97       | Instrument Panel Wire and Engine Room Main Wire (Right Kick Panel)             |
| KU2  | 97       | Instrument Panel Wire and Floor No.1 Wire (Right Kick Panel)                   |
| KV1  | 97       | Instrument Panel Wire and Floor No.2 Wire (Left Kick Panel)                    |
| KW2  | 97       | Instrument Panel Wire and Roof Wire (Left Side of the Instrument Panel)        |
| MQ2  | 98       | Front Door LH Wire and Front Door LH No.2 Wire (Front Door Inner Panel LH)     |
| MU2  | 97       | Front Door RH Wire and Floor No.1 Wire (Right Kick Panel)                      |
| MV2  | 97       | Front Door LH Wire and Floor No.2 Wire (Left Kick Panel)                       |
| OU1  | 98       | Rear Door No.1 Wire and Floor No.1 Wire (Right Center Pillar)                  |
| OV1  | 98       | Rear Door No.2 Wire and Floor No.2 Wire (Left Center Pillar)                   |
| UV1  | 98       | Floor No.1 Wire and Floor No.2 Wire (Center of the Rear Floor Partition Panel) |
| VX1  | 98       | Floor No.2 Wire and Luggage Room Wire (Quarter Wheel House Inner Panel LH)     |
| ZX1  | 98       | Luggage Room No.3 Wire and Luggage Room Wire (Lower Back Panel LH)             |

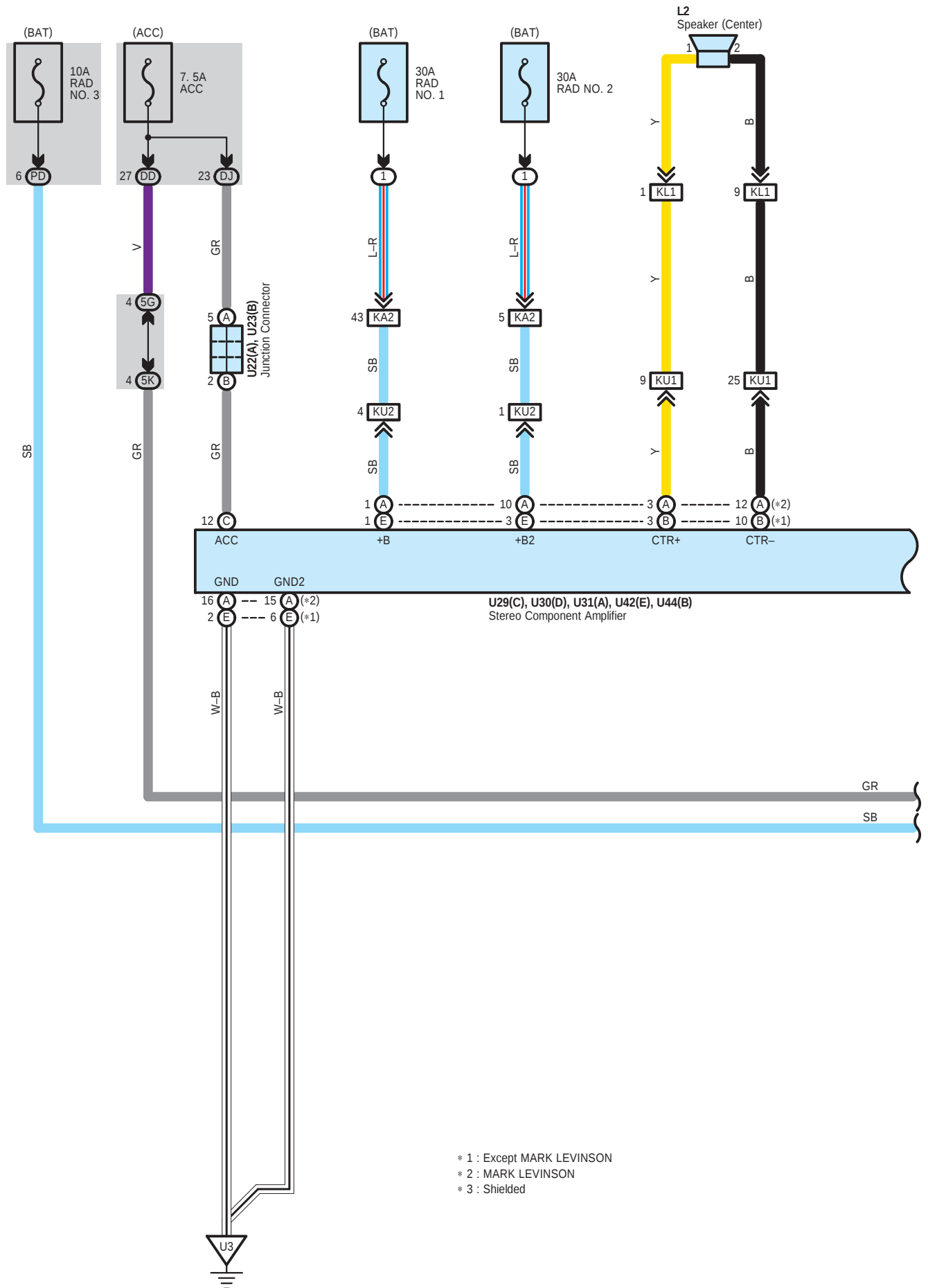


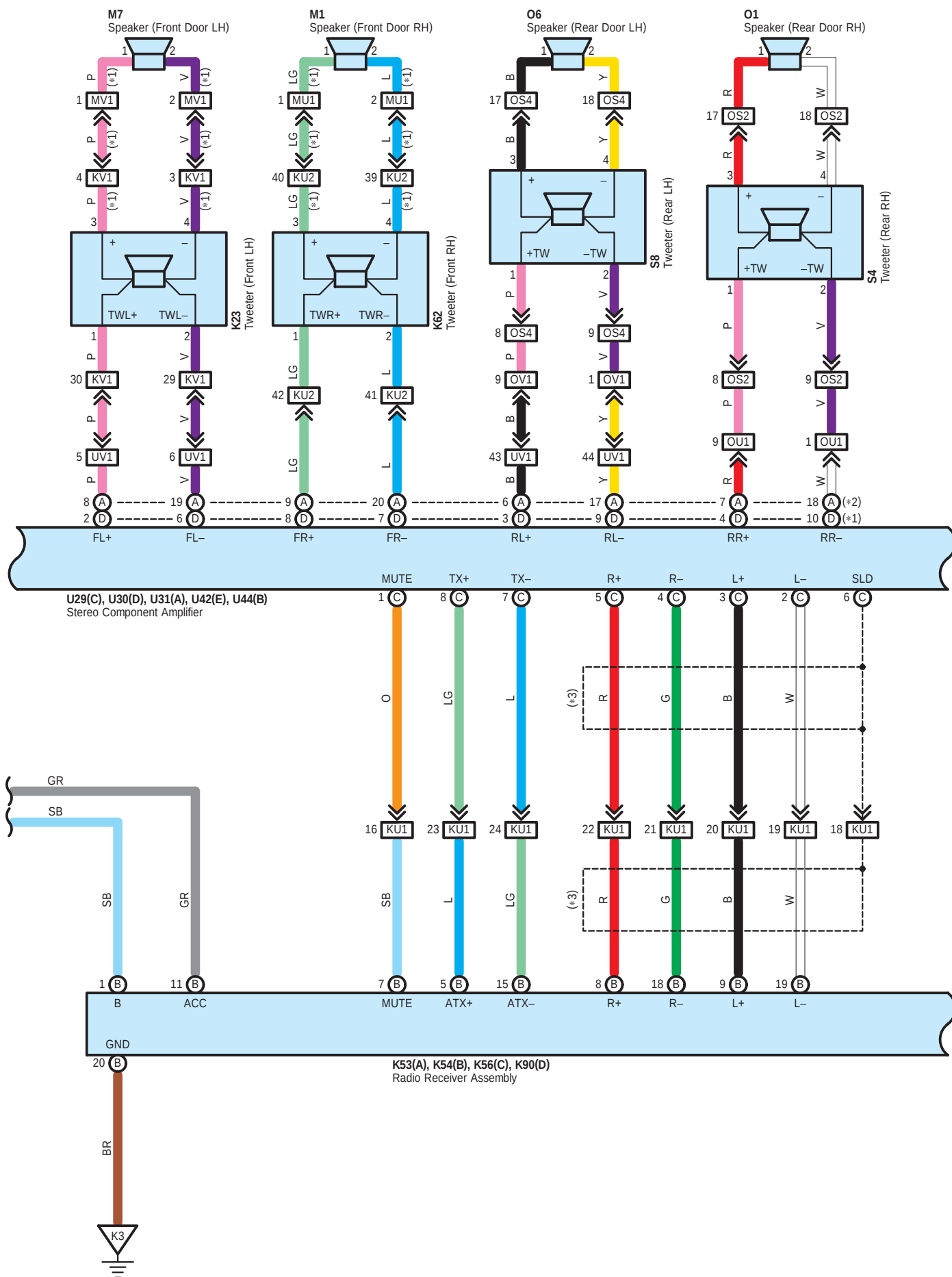
### : Ground Points

| Code | See Page | Ground Points Location       |
|------|----------|------------------------------|
| A1   | 96       | Left Side of the Dash Panel  |
| K1   | 97       | Left Kick Panel              |
| K2   | 97       | Left Side of the Shift Lever |
| K4   | 97       | Right Kick Panel             |

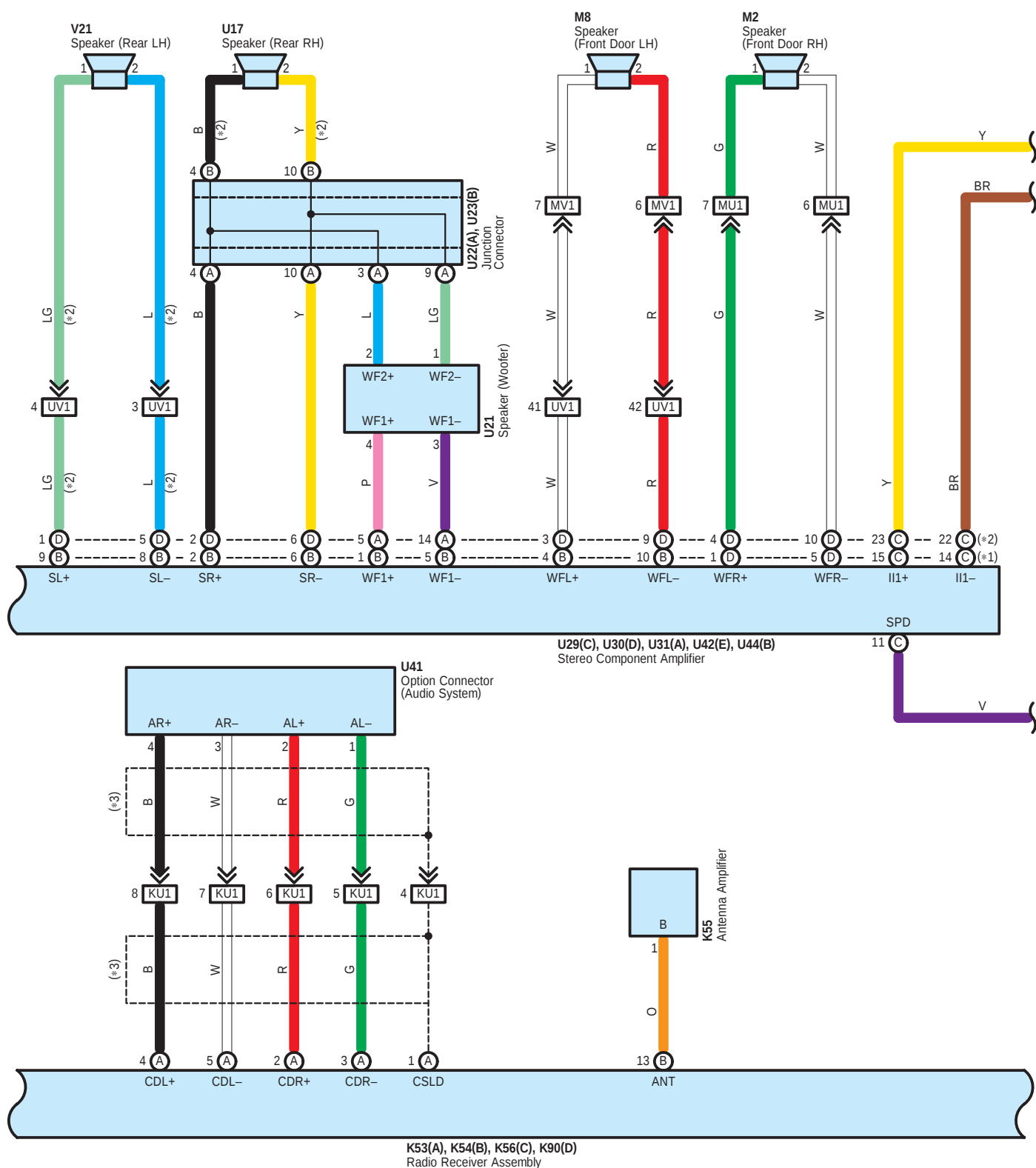


# Navigation, Parking Assist (Rear View Monitor) and Audio System

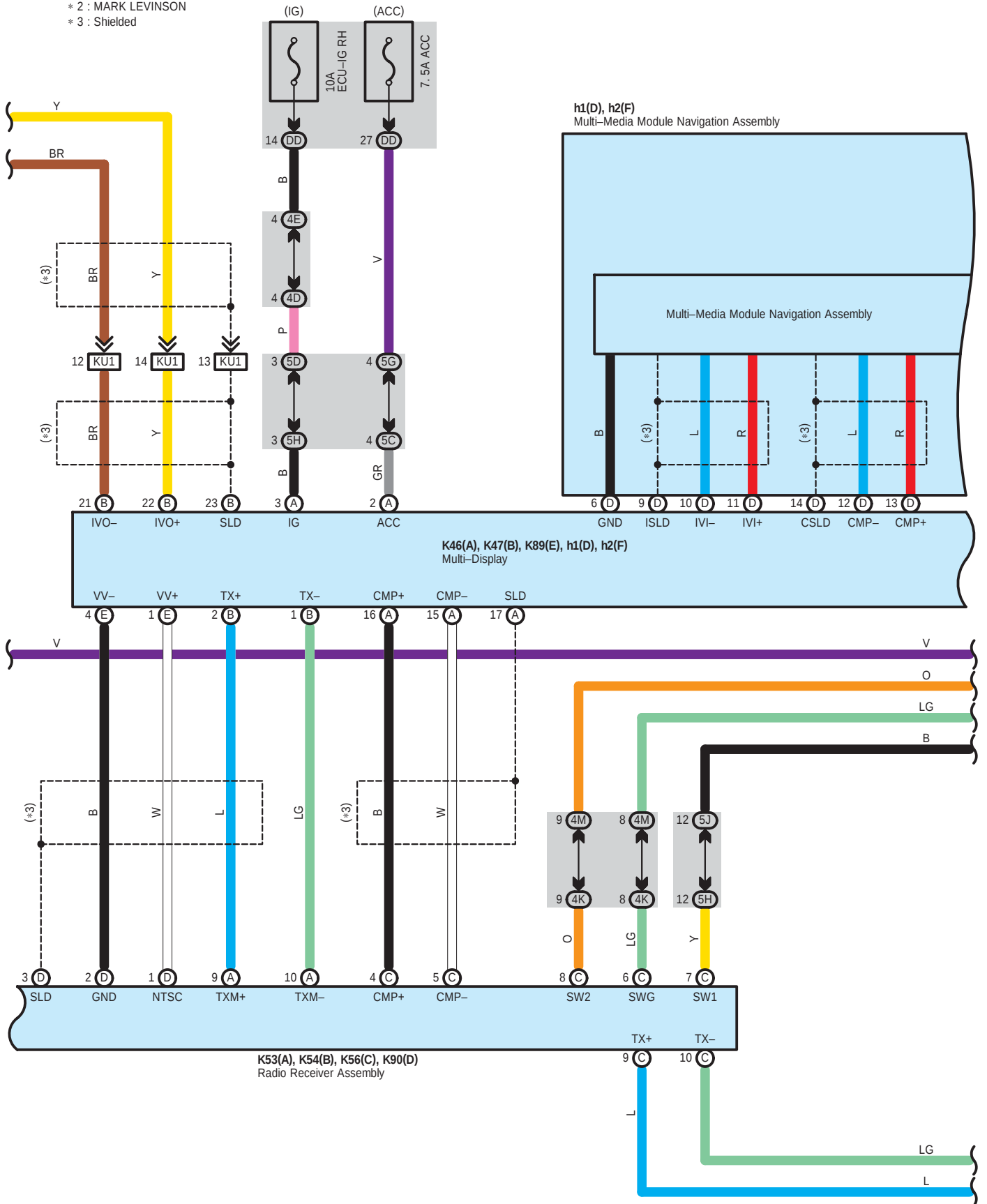




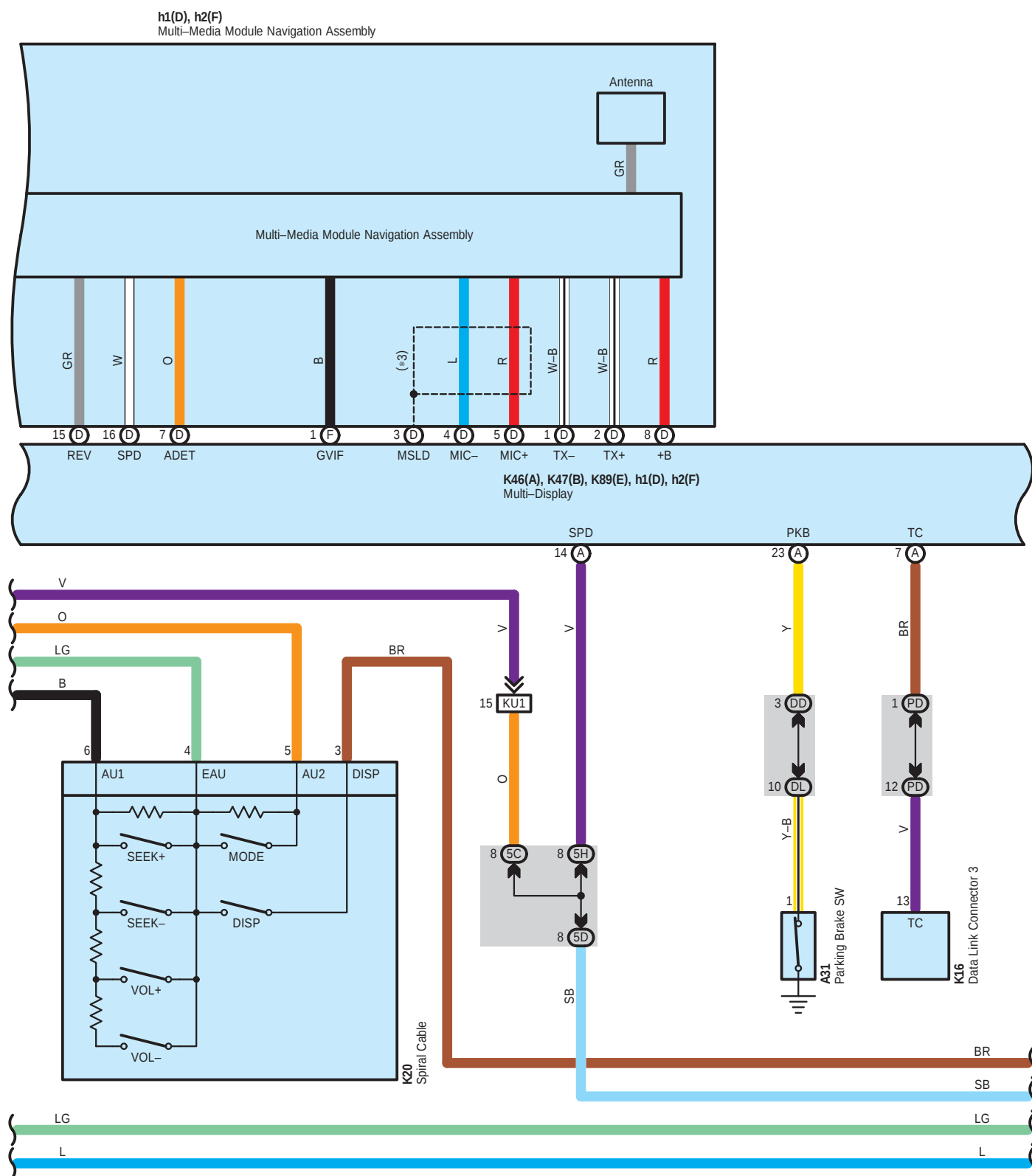
# Navigation, Parking Assist (Rear View Monitor) and Audio System

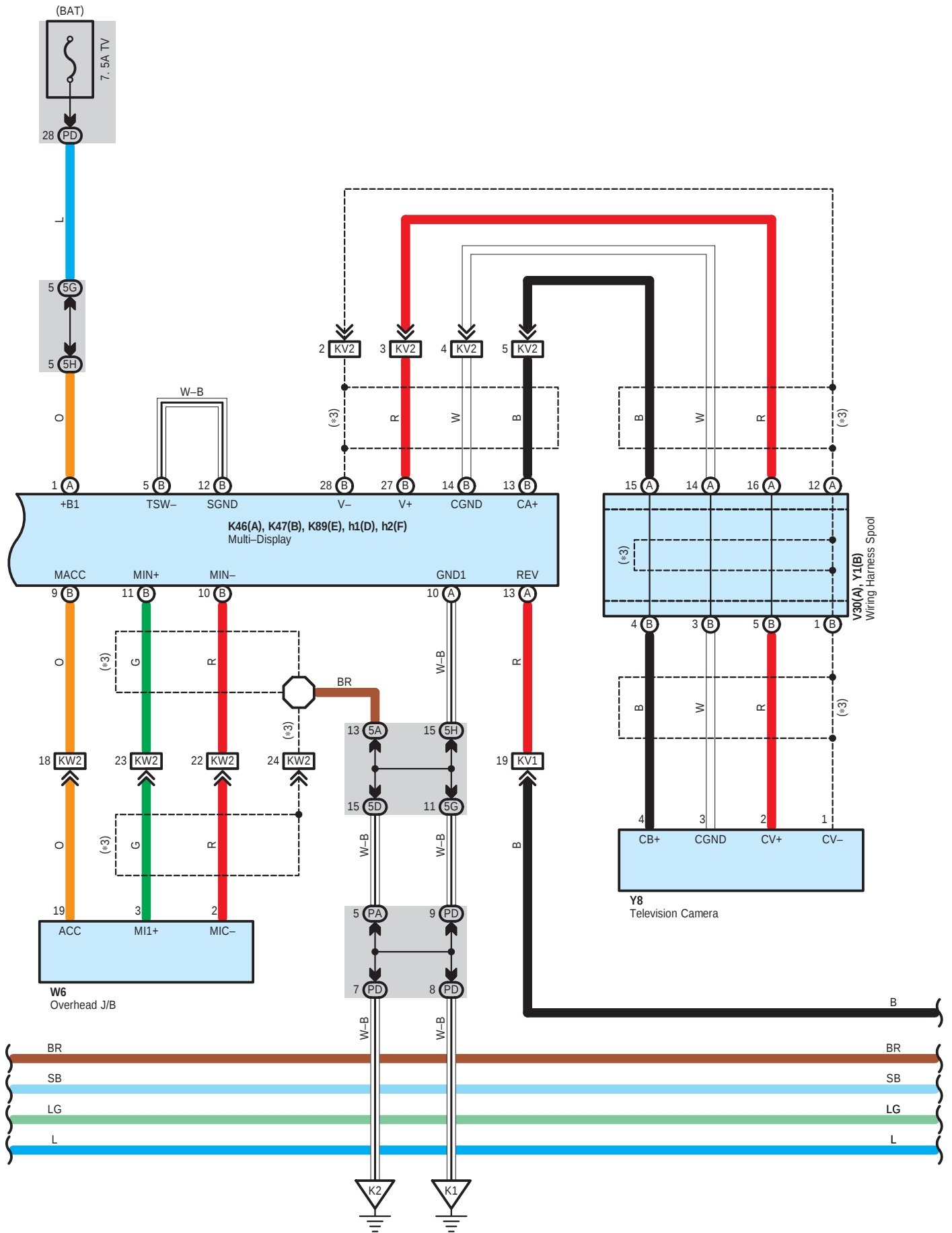


- \* 1 : Except MARK LEVINSON
- \* 2 : MARK LEVINSON
- \* 3 : Shielded

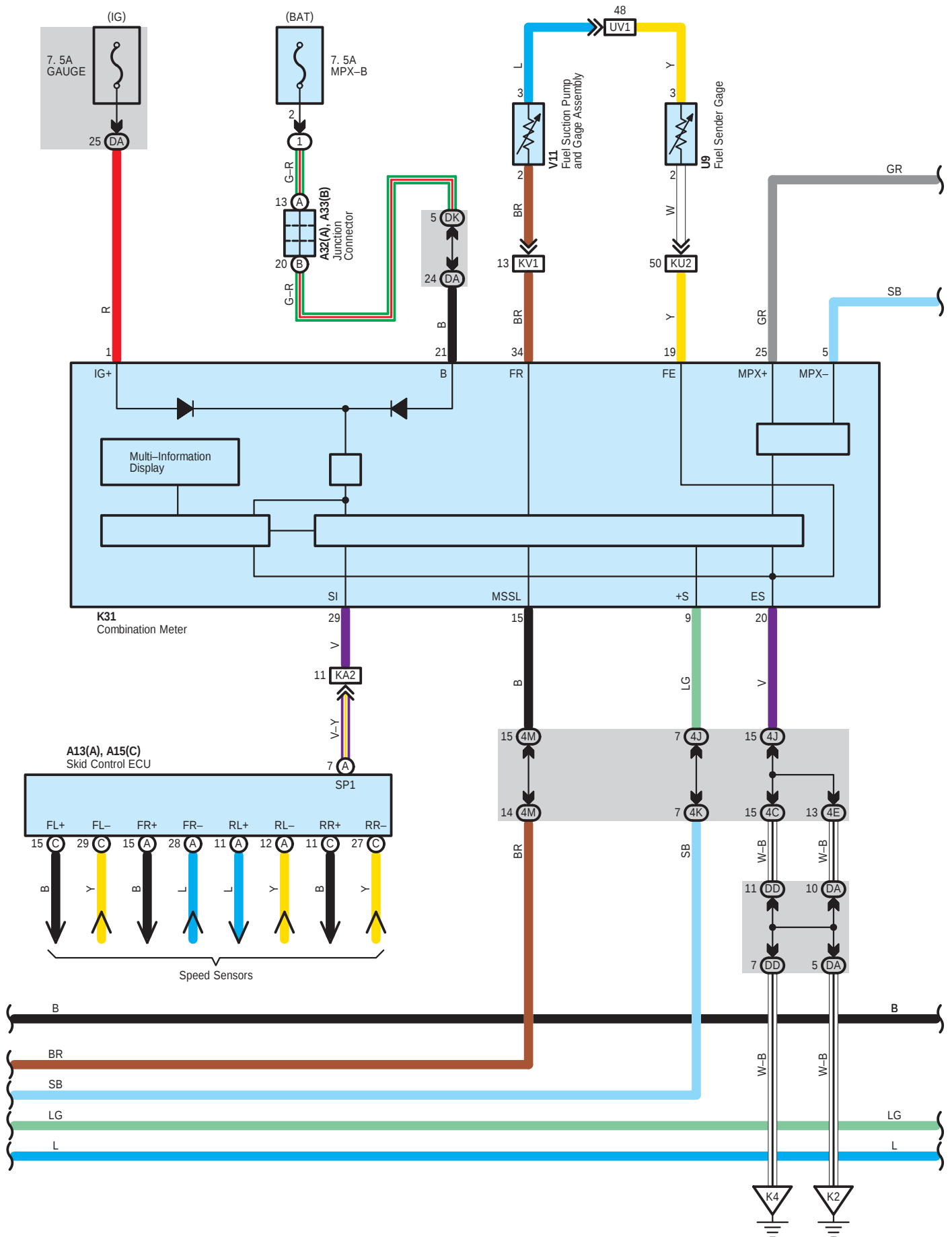


# Navigation, Parking Assist (Rear View Monitor) and Audio System



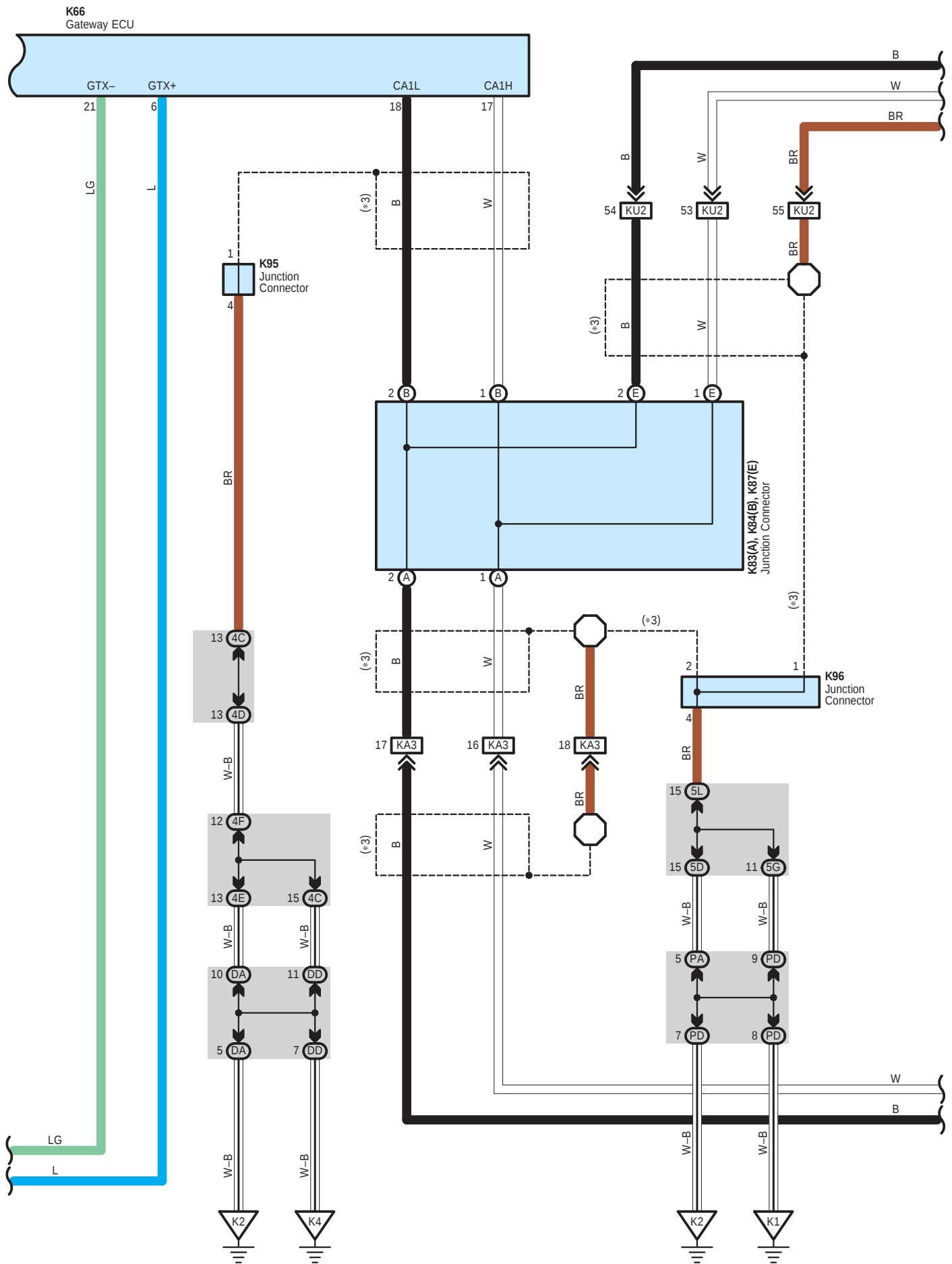


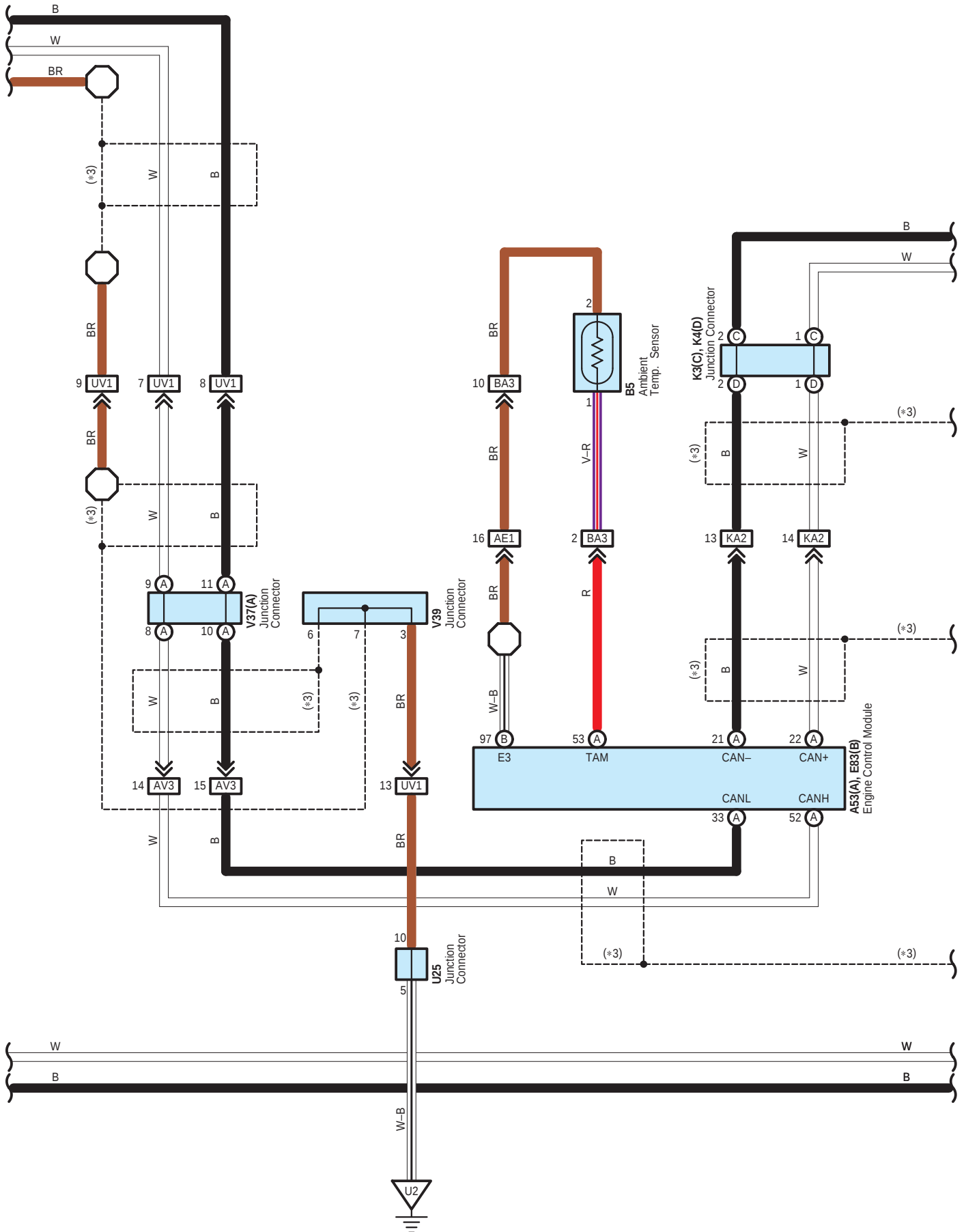
# Navigation, Parking Assist (Rear View Monitor) and Audio System





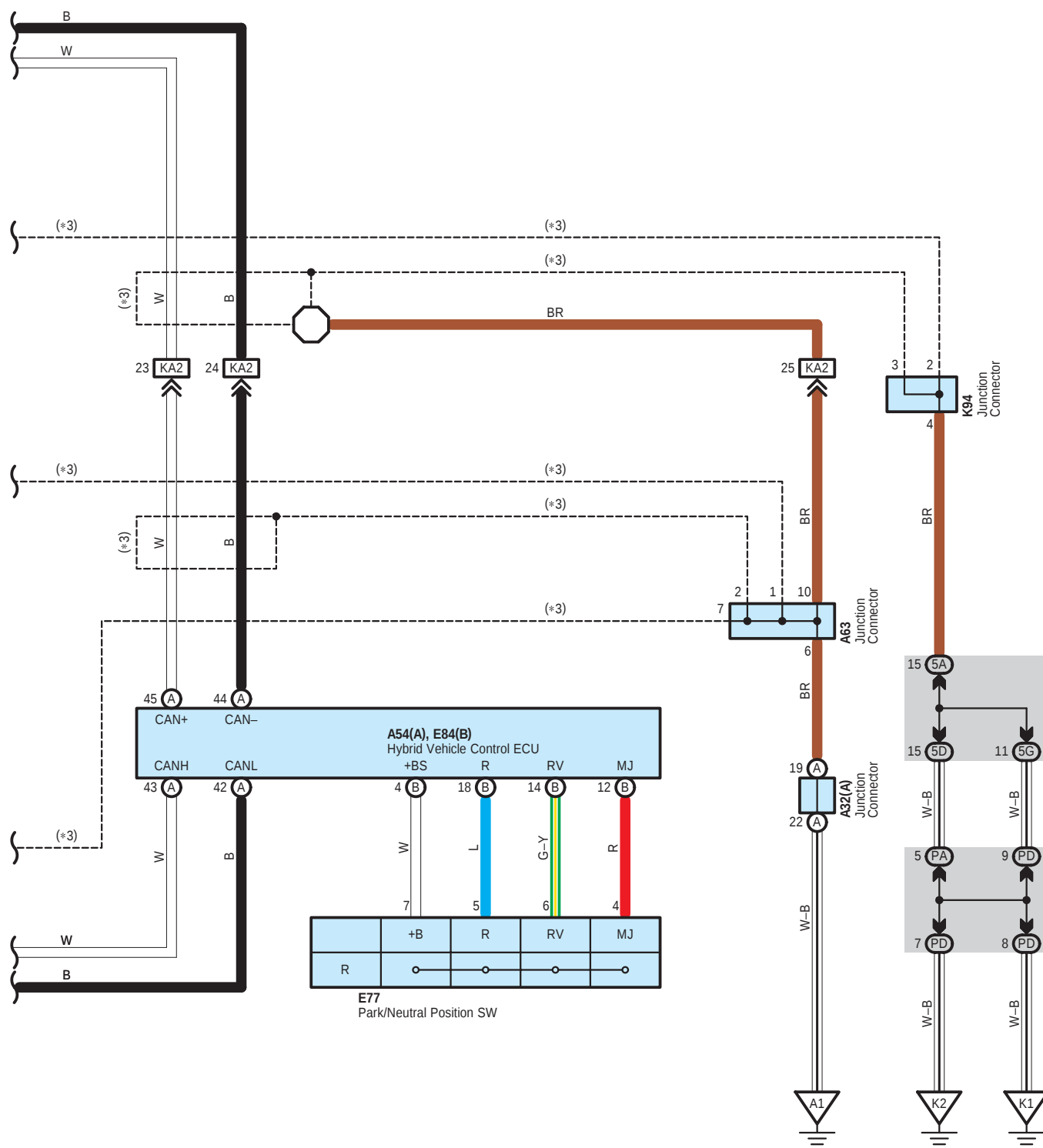
# Navigation, Parking Assist (Rear View Monitor) and Audio System





# Navigation, Parking Assist (Rear View Monitor) and Audio System

\* 3 : Shielded



 : Parts Location

| Code |   | See Page | Code |   | See Page | Code |   | See Page |
|------|---|----------|------|---|----------|------|---|----------|
| A13  | A | 80       | K52  |   | 86       | U17  |   | 90       |
| A15  | C | 80       | K53  | A | 86       | U21  |   | 90       |
| A29  |   | 84       | K54  | B | 86       | U22  | A | 90       |
| A30  | A | 84       | K55  |   | 86       | U23  | B | 90       |
| A31  |   | 84       | K56  | C | 86       | U25  |   | 90       |
| A32  | A | 84       | K62  |   | 86       | U29  | C | 90       |
| A33  | B | 84       | K66  |   | 86       | U30  | D | 90       |
| A53  | A | 80       | K68  | B | 86       | U31  | A | 90       |
| A54  | A | 80       | K83  | A | 78, 86   | U41  |   | 90       |
| A63  |   | 84       | K84  | B | 78, 86   | U42  | E | 90       |
| B5   |   | 82       | K87  | E | 78, 86   | U44  | B | 90       |
| E77  |   | 81       | K89  | E | 86       | V2   | C | 87       |
| E83  | B | 81       | K90  | D | 86       | V3   | D | 87       |
| E84  | B | 81       | K94  |   | 86       | V11  |   | 91       |
| K3   | C | 74, 85   | K95  |   | 86       | V21  |   | 91       |
| K4   | D | 74, 85   | K96  |   | 86       | V26  | A | 91       |
| K12  |   | 85       | L2   |   | 87       | V27  | B | 91       |
| K16  |   | 85       | M1   |   | 88       | V30  | A | 91       |
| K20  |   | 85       | M2   |   | 88       | V37  | A | 91       |
| K22  |   | 85       | M7   |   | 88       | V39  |   | 91       |
| K23  |   | 85       | M8   |   | 88       | W6   |   | 92       |
| K31  |   | 85       | O1   |   | 88       | Y1   | B | 92       |
| K44  |   | 86       | O6   |   | 88       | Y8   |   | 92       |
| K45  |   | 86       | S4   |   | 89       | h1   | D | 87       |
| K46  | A | 86       | S8   |   | 89       | h2   | F | 87       |
| K47  | B | 86       | U9   |   | 90       |      |   |          |

 : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location)            |
|------|----------|------------------------------------------------|
| 1    | 24       | Engine Room R/B No.1 (Engine Compartment Left) |

# Navigation, Parking Assist (Rear View Monitor) and Audio System



## : Junction Block and Wire Harness Connector

| Code | See Page | Junction Block and Wire Harness (Connector Location)                                       |
|------|----------|--------------------------------------------------------------------------------------------|
| 1X   | 29       | Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment left)                   |
| 4C   | 70       | Instrument Panel Wire and Center J/B RH (Right Side of the Instrument Panel Reinforcement) |
| 4D   |          |                                                                                            |
| 4E   |          |                                                                                            |
| 4F   |          |                                                                                            |
| 4I   |          |                                                                                            |
| 4J   |          |                                                                                            |
| 4K   |          |                                                                                            |
| 4M   |          |                                                                                            |
| 5A   | 66       | Instrument Panel Wire and Center J/B LH (Right Side of the Instrument Panel Reinforcement) |
| 5C   |          |                                                                                            |
| 5D   |          |                                                                                            |
| 5G   |          |                                                                                            |
| 5H   |          |                                                                                            |
| 5J   |          |                                                                                            |
| 5K   |          |                                                                                            |
| 5L   |          |                                                                                            |
| DA   | 55       | Instrument Panel Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| DD   |          |                                                                                            |
| DJ   | 56       | Floor Wire and Cowl Side J/B RH (Behind the Glove Box)                                     |
| DK   | 56       | Engine Room Main Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| DL   |          |                                                                                            |
| LC   | 63       | Floor No.2 Wire and Luggage Room J/B (Left Side of the Quarter Panel )                     |
| PA   | 49       | Instrument Panel Wire and Cowl Side J/B LH (Lower Finish Panel)                            |
| PD   |          |                                                                                            |
| PJ   | 50       | Floor No.2 Wire and Cowl Side J/B LH (Lower Finish Panel)                                  |



## : Connector Joining Wire Harness and Wire Harness

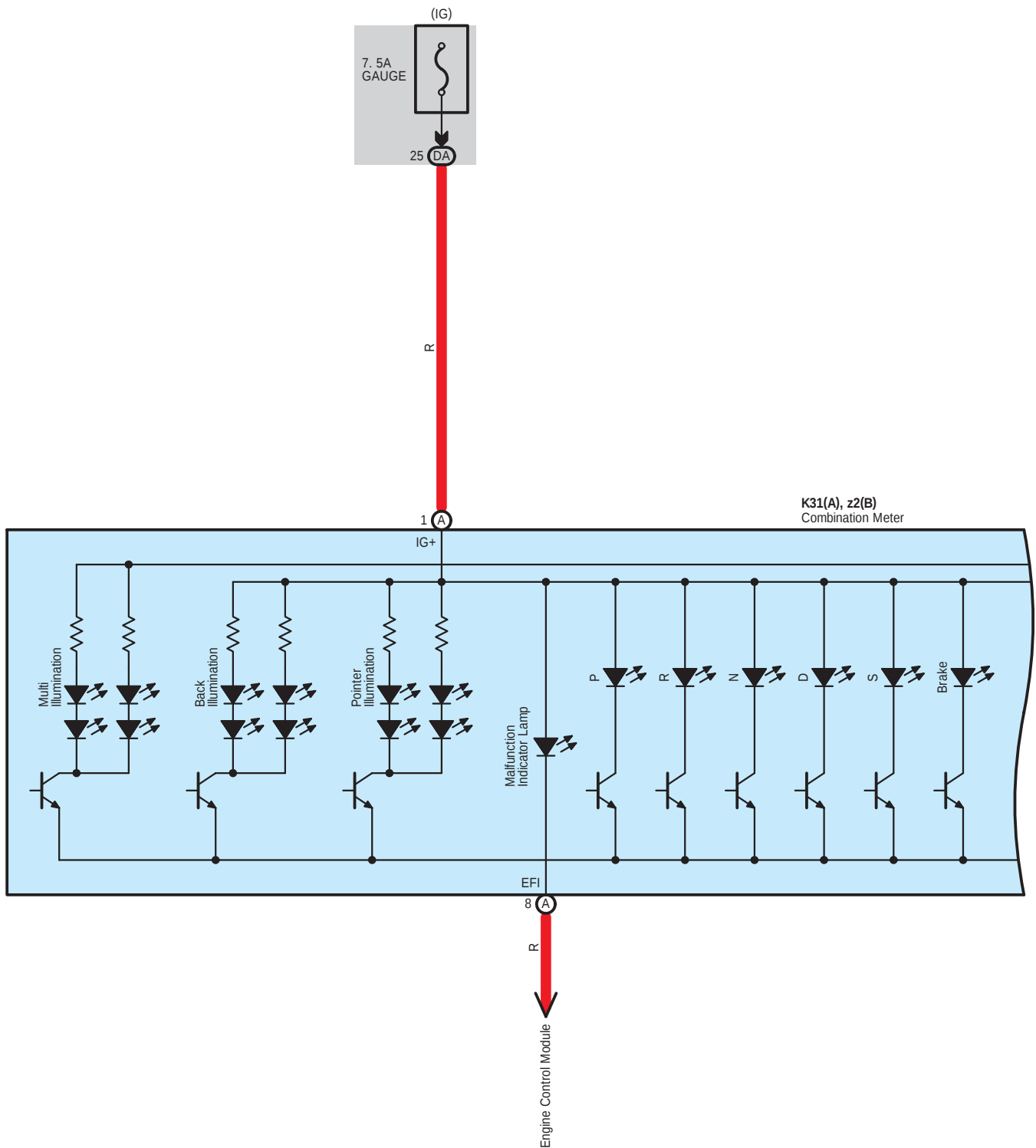
| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location)                            |
|------|----------|---------------------------------------------------------------------------------------|
| AE1  | 96       | Engine Room Main Wire and Engine Wire (Inside of the ECU Box)                         |
| AV3  | 97       | Engine Room Main Wire and Floor No.2 Wire (Cowl Side Panel LH)                        |
| BA3  | 96       | Engine Room No.2 Wire and Engine Room Main Wire (Inside of the Engine Room R/B No.2 ) |
| KA2  | 97       | Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)                     |
| KA3  | 97       | Instrument Panel Wire and Engine Room Main Wire (Right Kick Panel)                    |
| KL1  | 97       | Instrument Panel Wire and Instrument Panel No.2 Wire (Center of the Instrument Panel) |
| KU1  | 97       | Instrument Panel Wire and Floor No.1 Wire (Under the Console Box)                     |
| KU2  | 97       | Instrument Panel Wire and Floor No.1 Wire (Right Kick Panel)                          |
| KV1  | 97       | Instrument Panel Wire and Floor No.2 Wire (Left Kick Panel)                           |
| KV2  | 97       | Instrument Panel Wire and Floor No.2 Wire (Under the Console Box)                     |
| KW2  | 97       | Instrument Panel Wire and Roof Wire (Left Side of the Instrument Panel)               |
| MU1  | 97       | Front Door RH Wire and Floor No.1 Wire (Right Kick Panel)                             |
| MV1  | 97       | Front Door LH Wire and Floor No.2 Wire (Left Kick Panel)                              |
| OS2  | 98       | Rear Door No.1 Wire and Rear Door RH Wire (Front Door Inner Panel RH)                 |
| OS4  | 98       | Rear Door No.2 Wire and Rear Door LH Wire (Rear Door Inner Panel LH)                  |
| OU1  | 98       | Rear Door No.1 Wire and Floor No.1 Wire (Right Center Pillar)                         |
| OV1  | 98       | Rear Door No.2 Wire and Floor No.2 Wire (Left Center Pillar)                          |
| UV1  | 98       | Floor No.1 Wire and Floor No.2 Wire (Center of the Rear Floor Partition Panel)        |

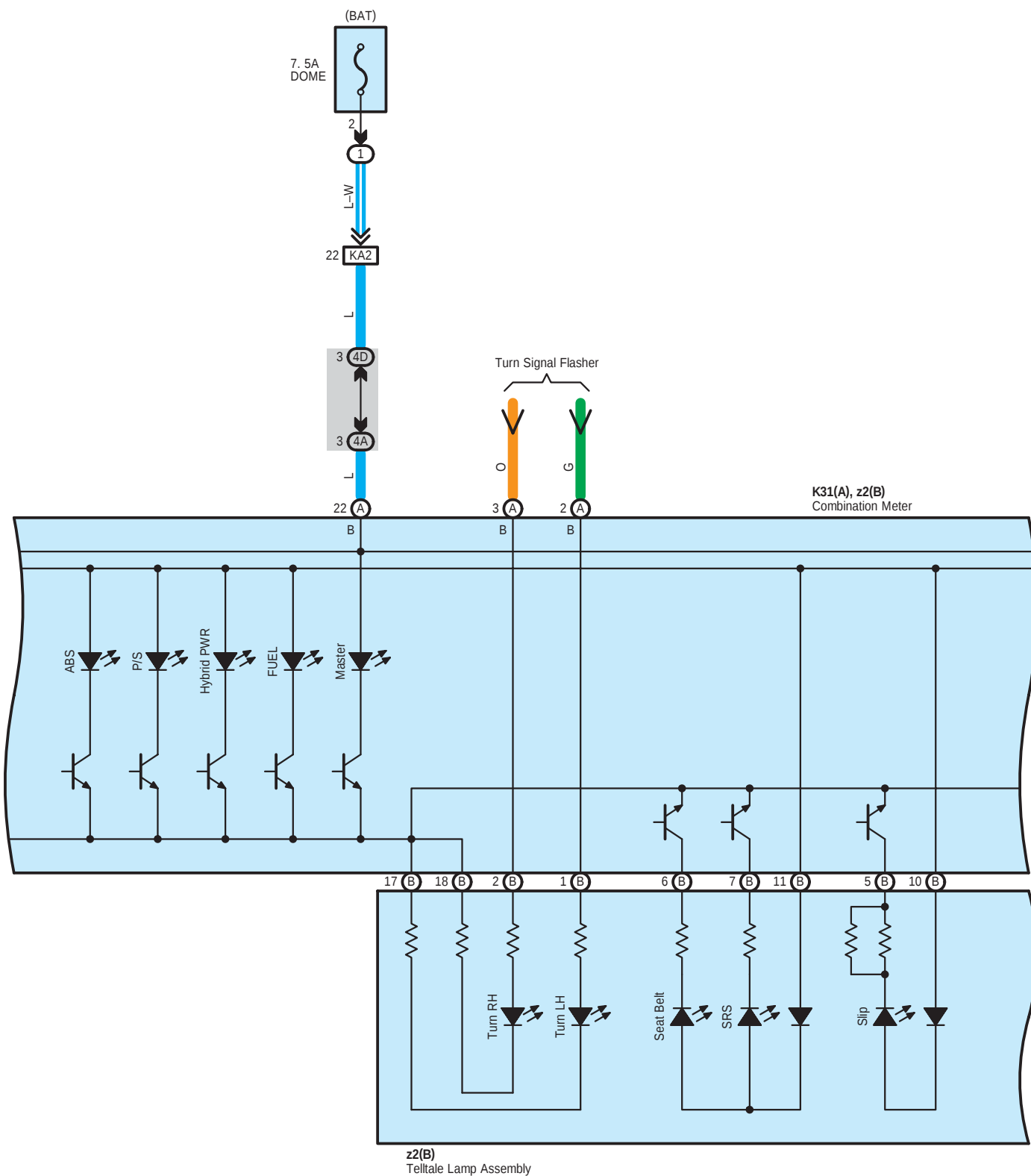


: Ground Points

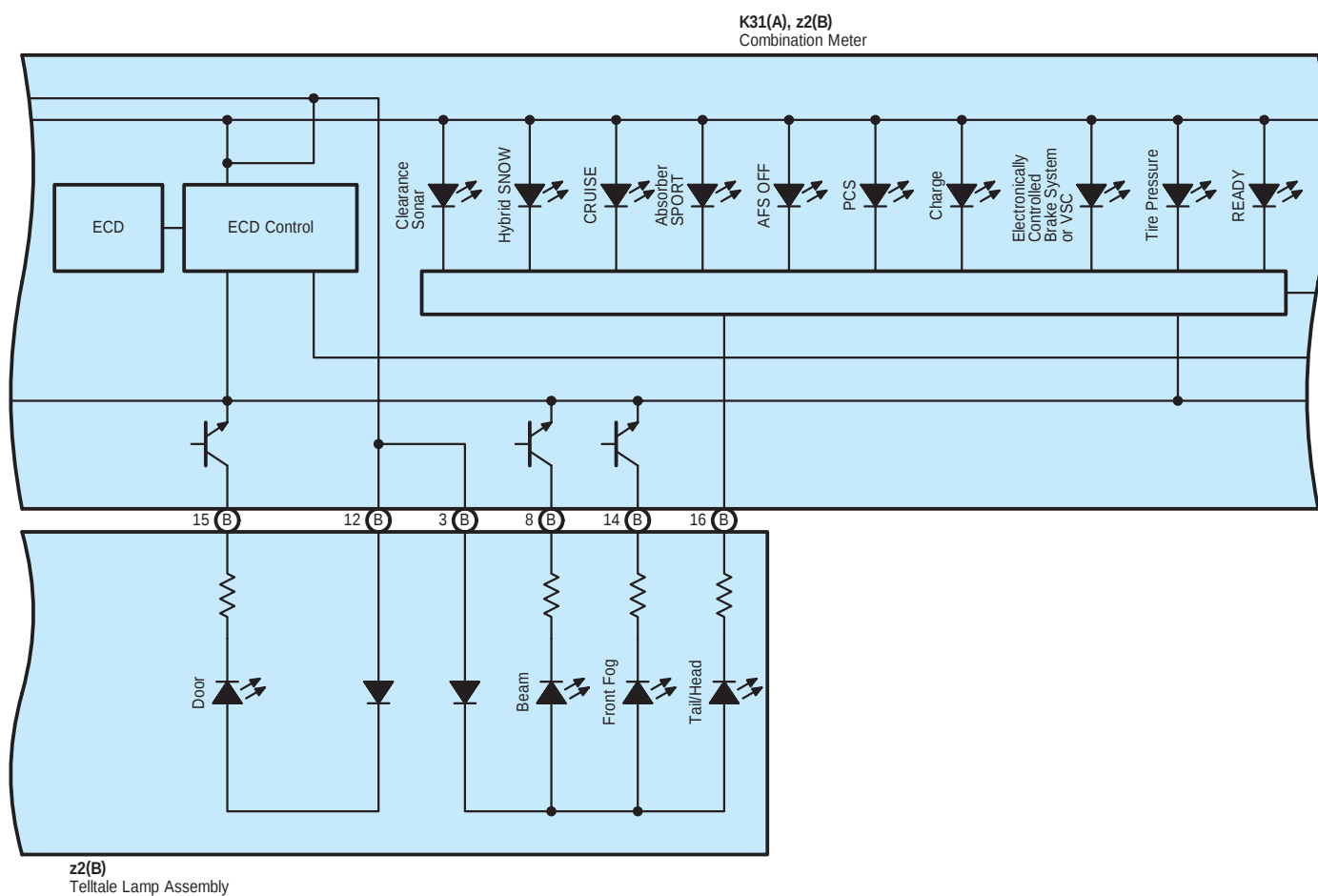
| Code | See Page | Ground Points Location                       |
|------|----------|----------------------------------------------|
| A1   | 96       | Left Side of the Dash Panel                  |
| K1   | 97       | Left Kick Panel                              |
| K2   | 97       | Left Side of the Shift Lever                 |
| K3   | 97       | Right Side of the Shift Lever                |
| K4   | 97       | Right Kick Panel                             |
| U2   | 98       | Right Side of the Rear Floor Partition Panel |
| U3   | 98       | Roof Side Rear Inner Panel RH                |

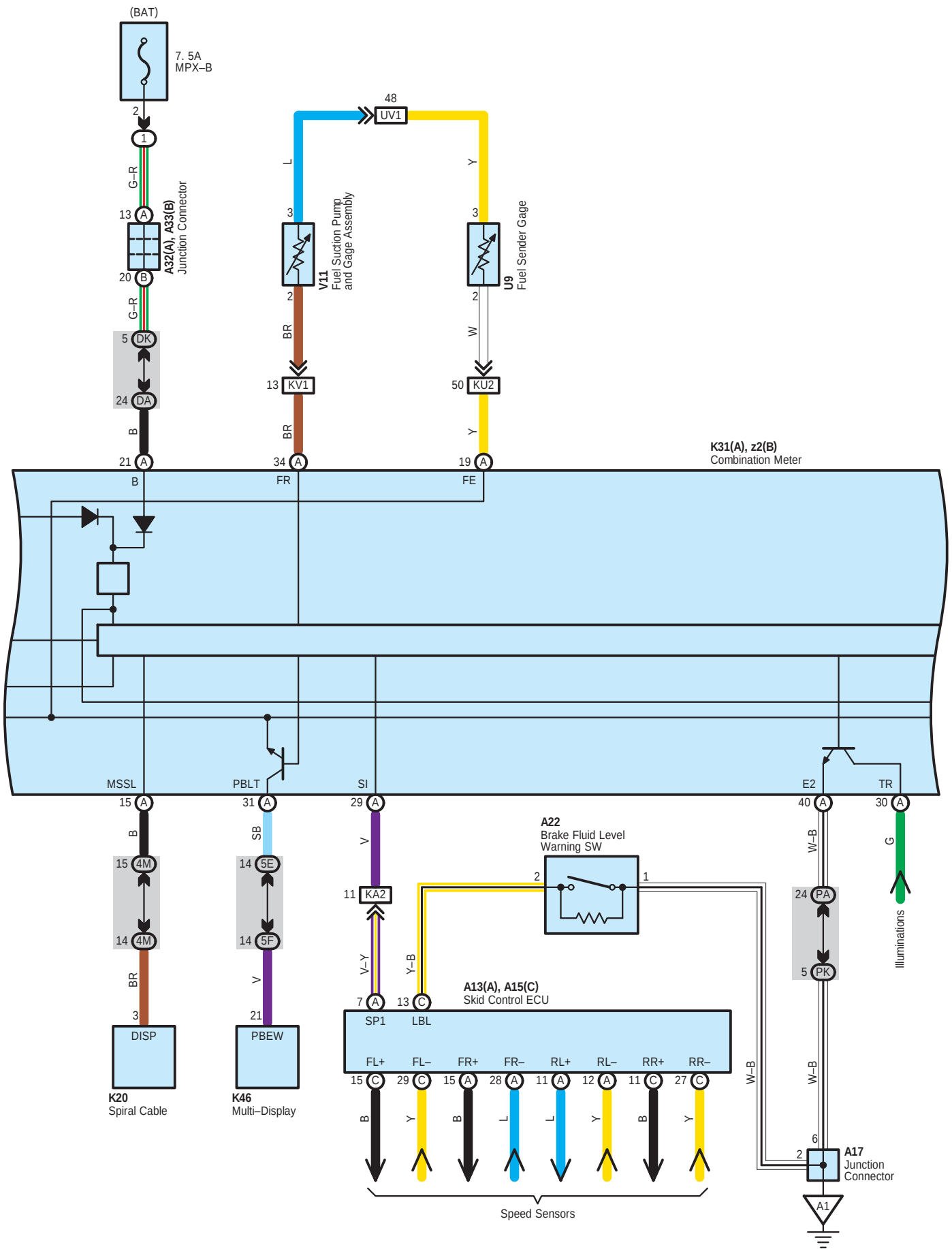
# Combination Meter



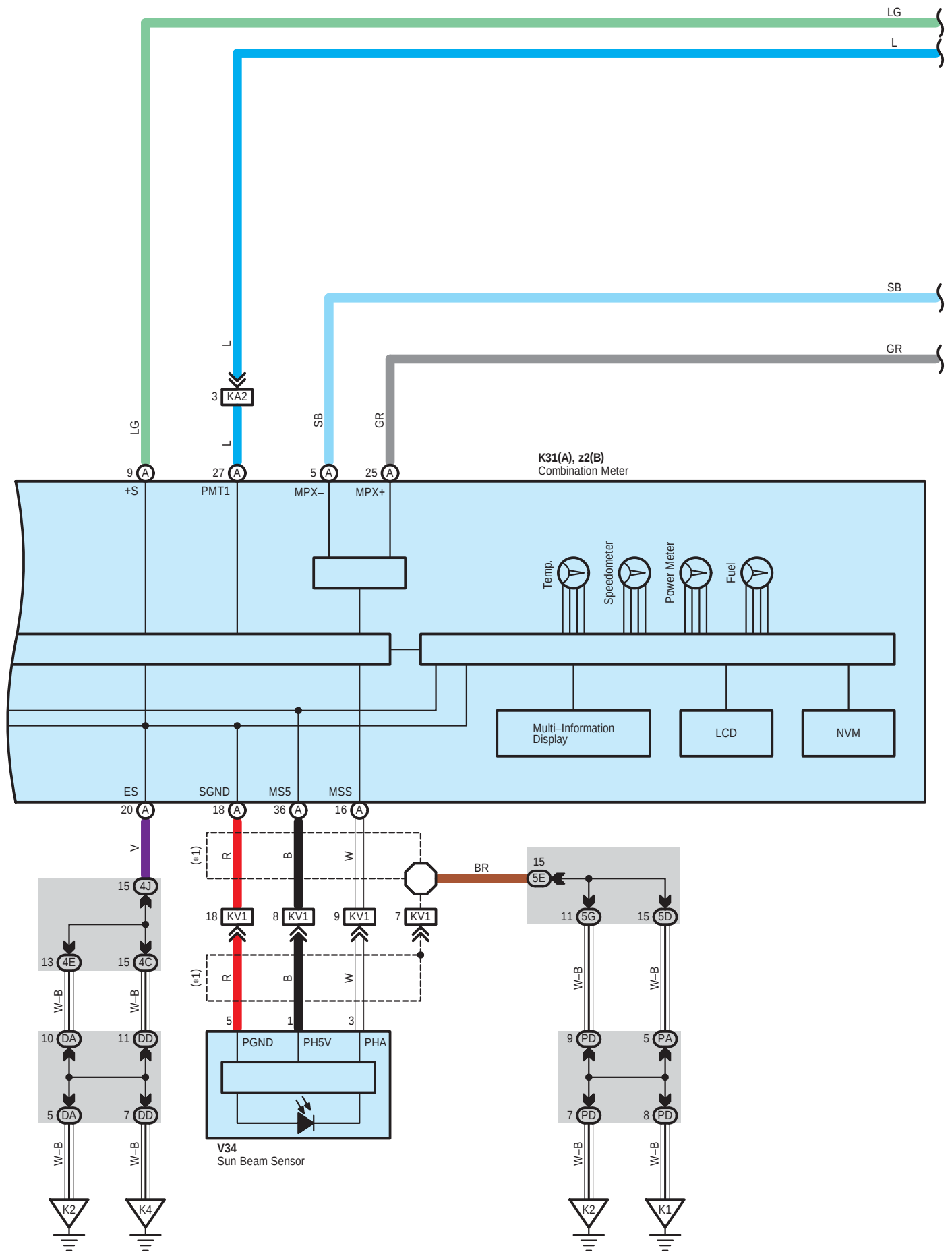


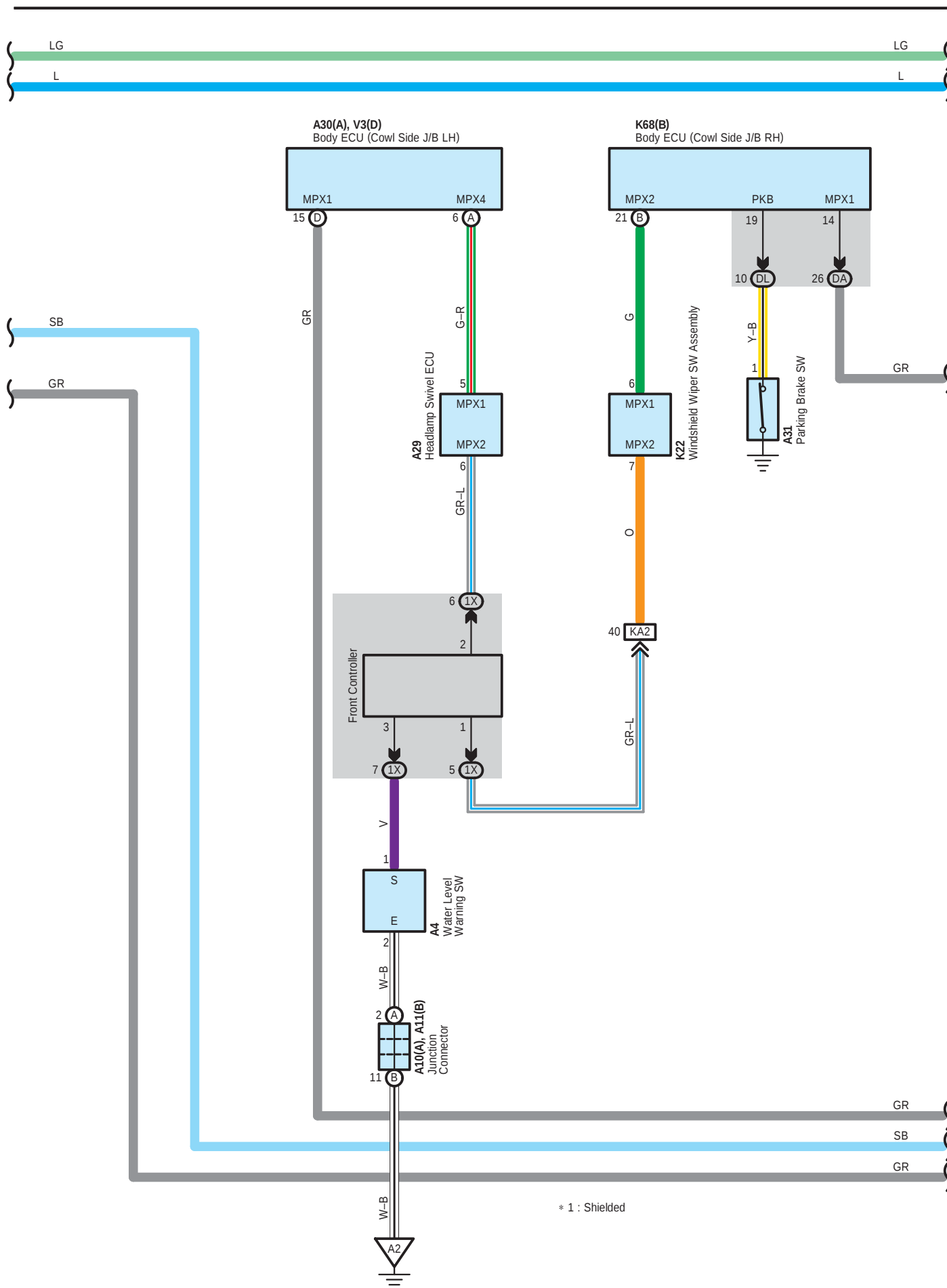
# Combination Meter



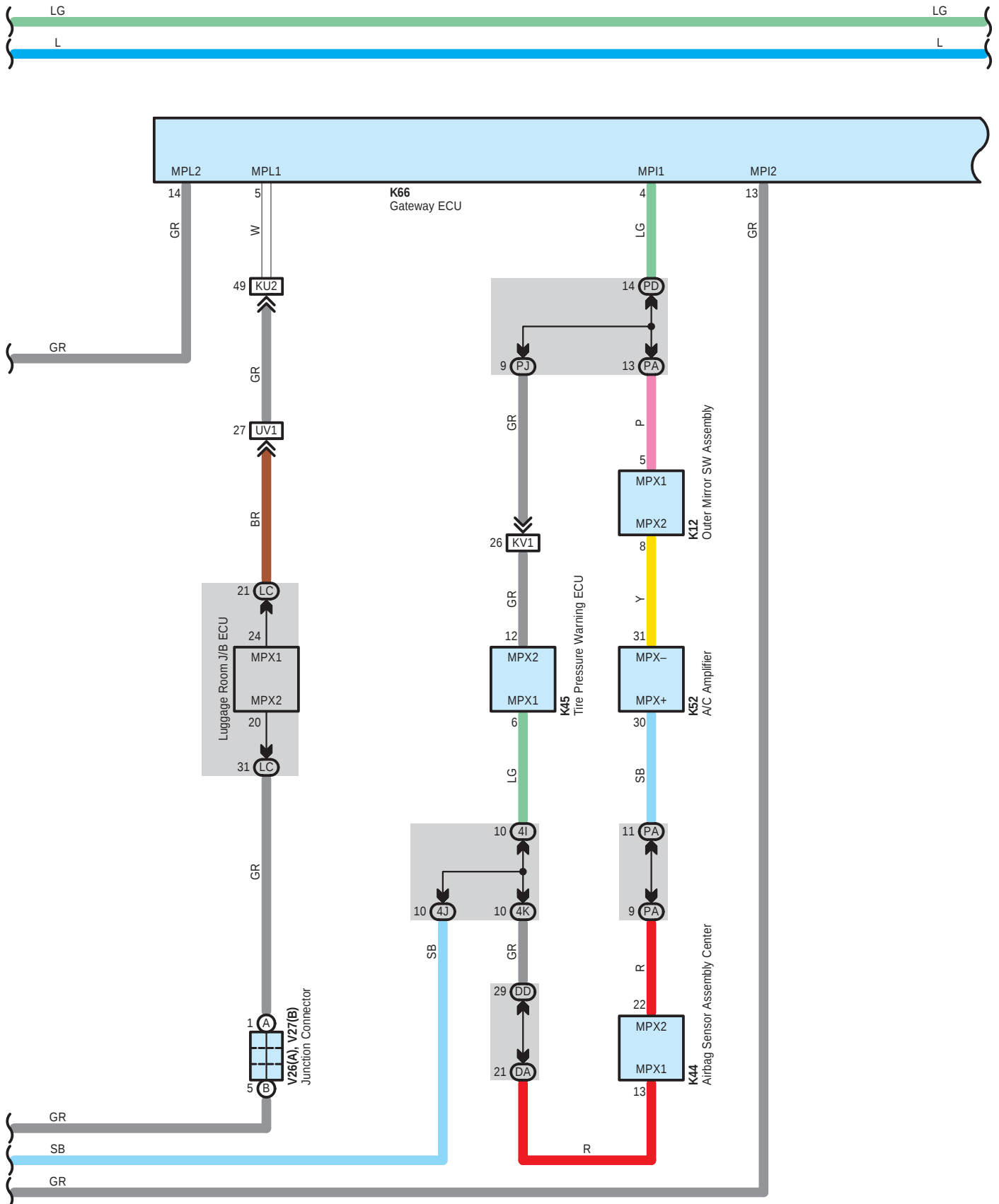


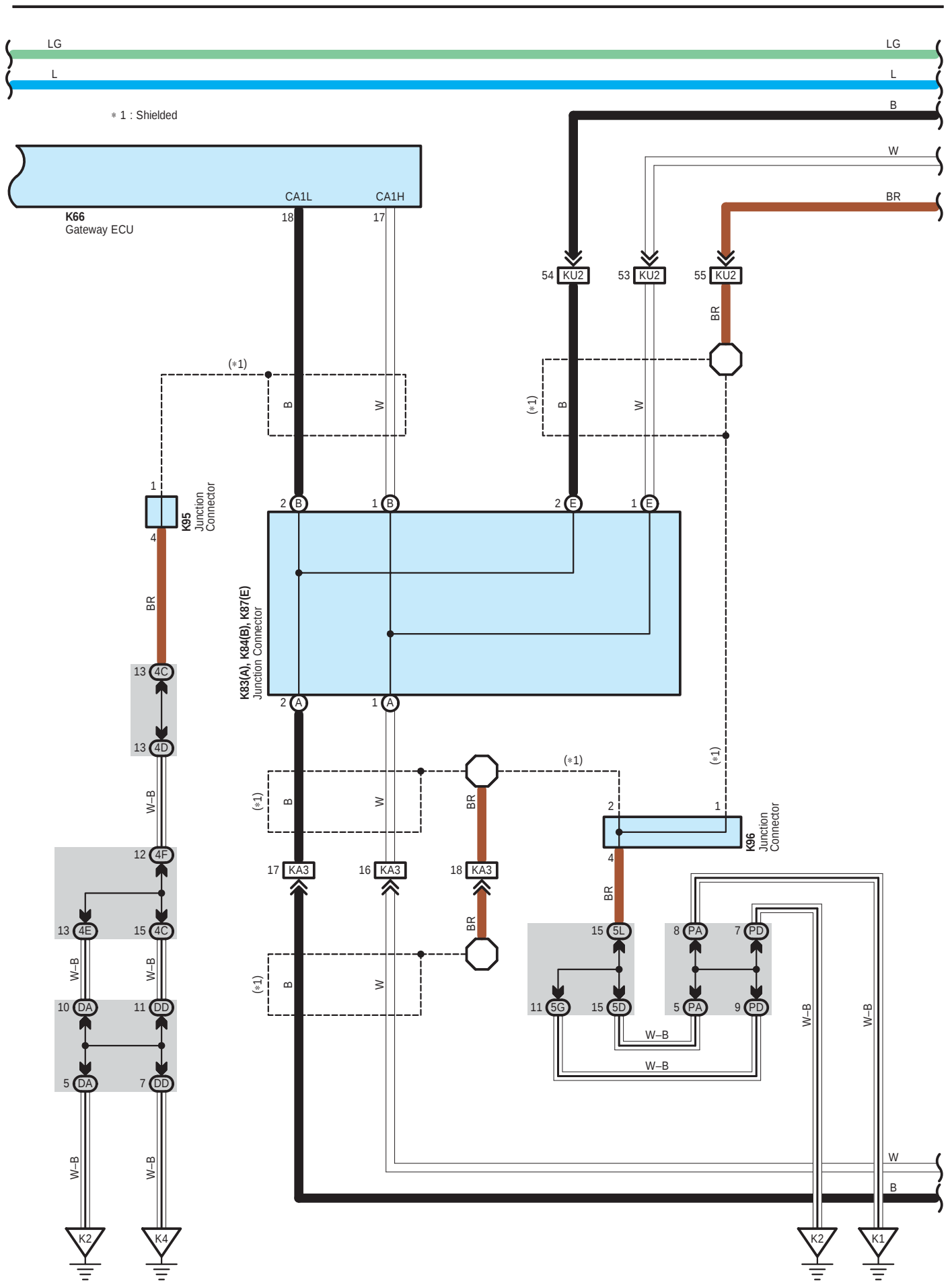
# Combination Meter



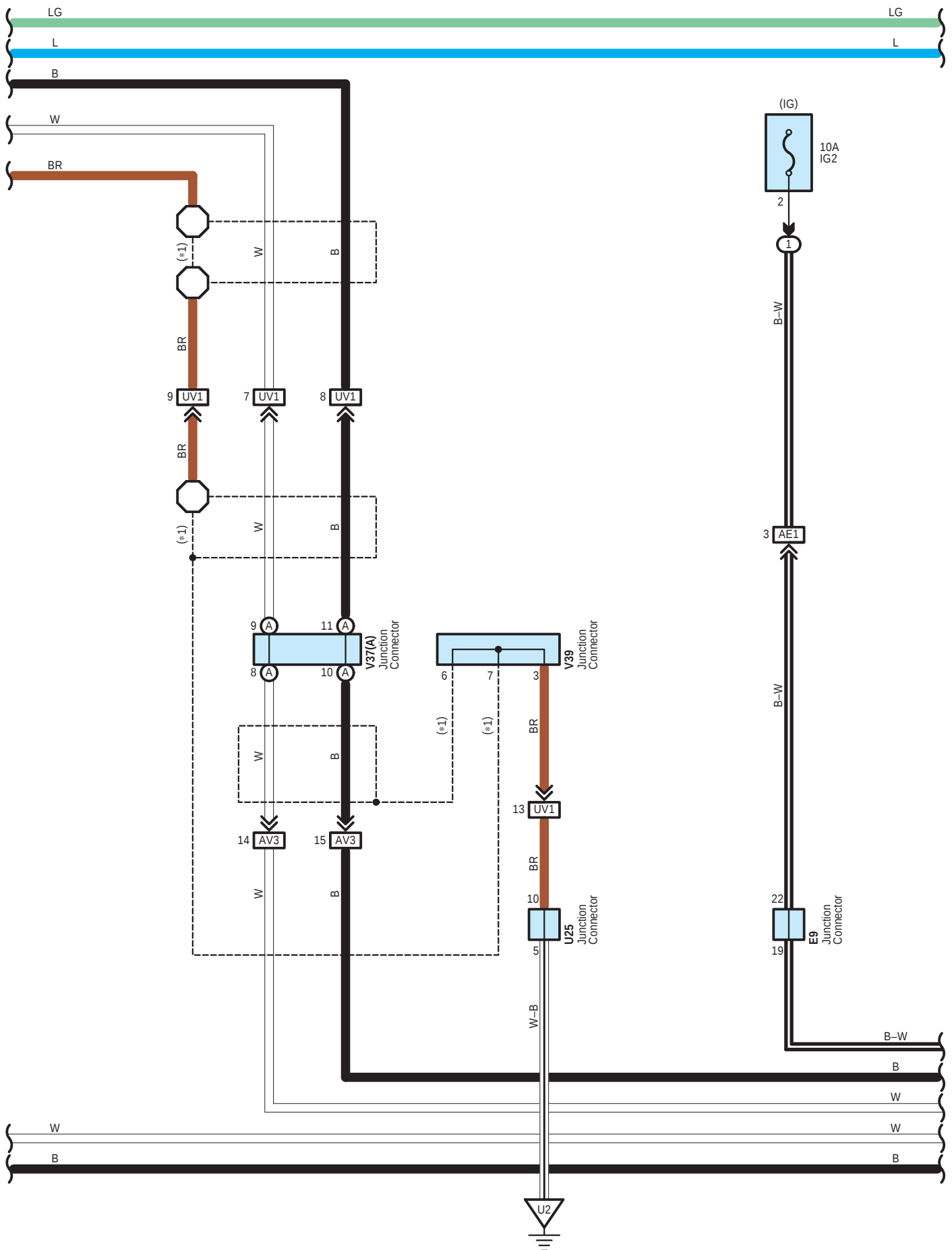


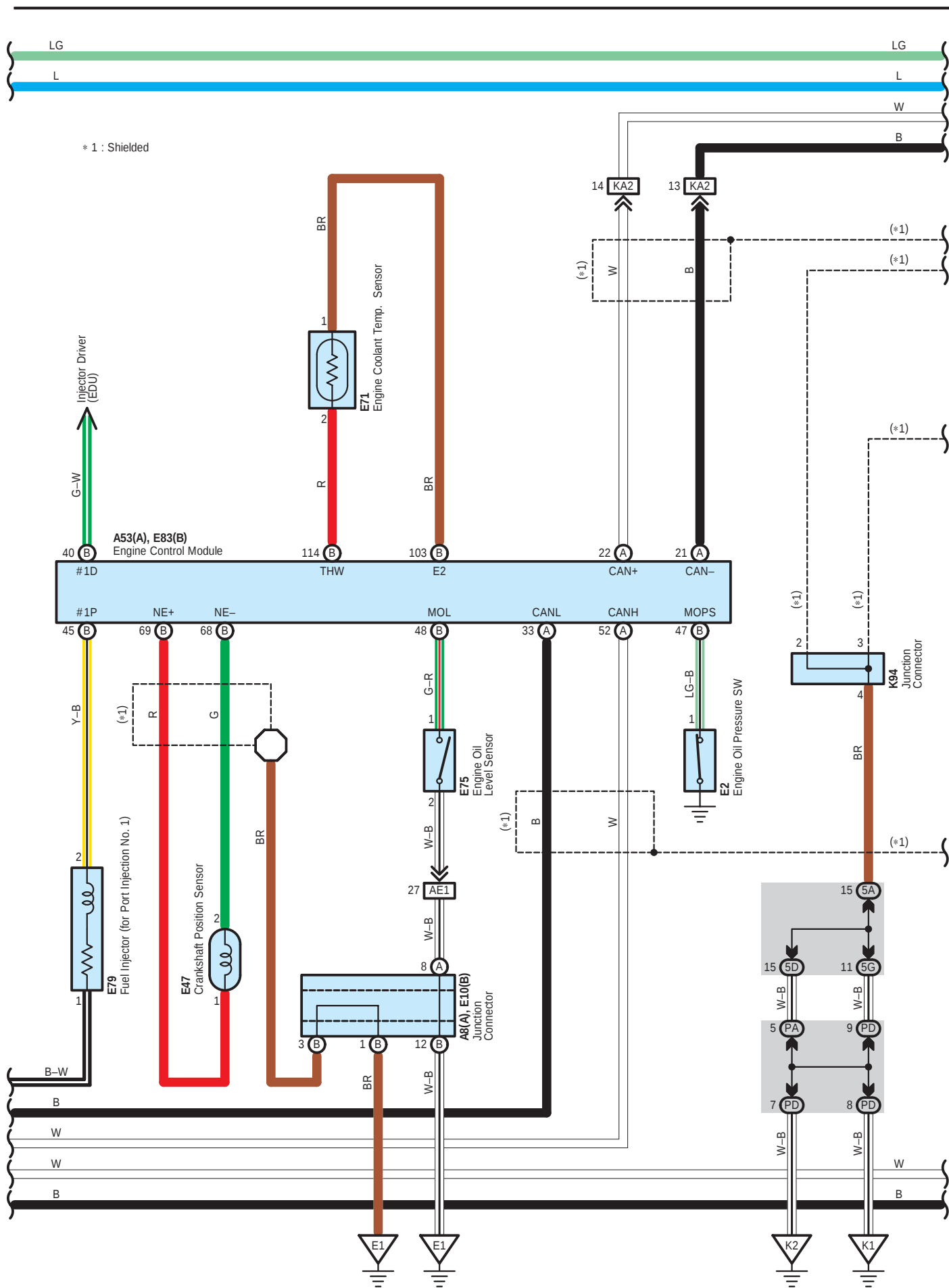
# Combination Meter



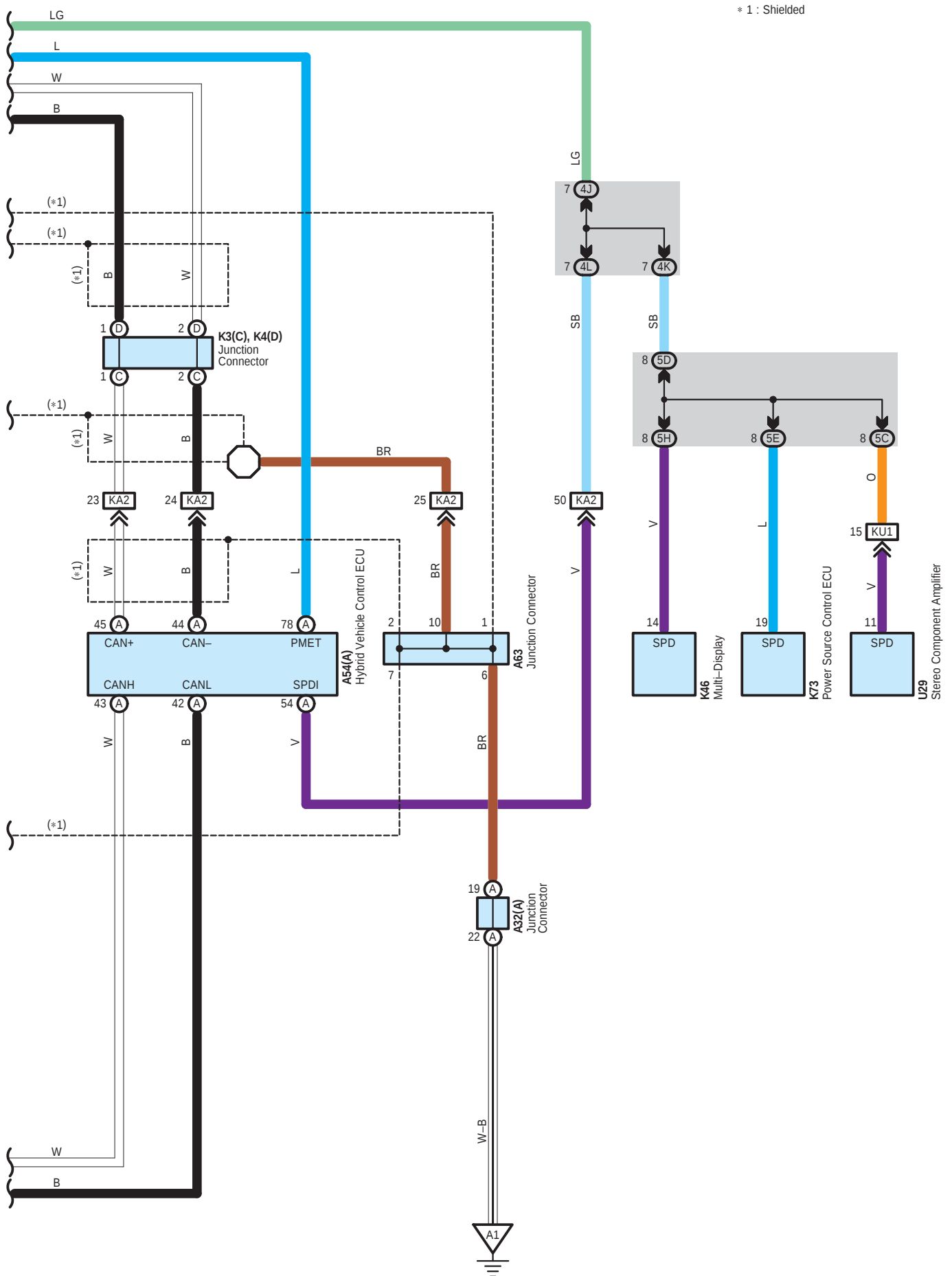


# Combination Meter





# Combination Meter



 : Parts Location

| Code  | See Page | Code  | See Page | Code  | See Page |
|-------|----------|-------|----------|-------|----------|
| A4    | 80       | E10 B | 81       | K73   | 86       |
| A8 A  | 80       | E47   | 81       | K83 A | 78, 86   |
| A10 A | 80       | E71   | 81       | K84 B | 78, 86   |
| A11 B | 80       | E75   | 81       | K87 E | 78, 86   |
| A13 A | 80       | E79   | 81       | K94   | 86       |
| A15 C | 80       | E83 B | 81       | K95   | 86       |
| A17   | 80       | K3 C  | 74, 85   | K96   | 86       |
| A22   | 80       | K4 D  | 74, 85   | U9    | 90       |
| A29   | 84       | K12   | 85       | U25   | 90       |
| A30 A | 84       | K20   | 85       | U29   | 90       |
| A31   | 84       | K22   | 85       | V3 D  | 87       |
| A32 A | 84       | K31 A | 85       | V11   | 91       |
| A33 B | 84       | K44   | 86       | V26 A | 91       |
| A53 A | 80       | K45   | 86       | V27 B | 91       |
| A54 A | 80       | K46   | 86       | V34   | 91       |
| A63   | 84       | K52   | 86       | V37 A | 91       |
| E2    | 81       | K66   | 86       | V39   | 91       |
| E9    | 81       | K68 B | 86       | z2 B  | 87       |

 : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location)            |
|------|----------|------------------------------------------------|
| 1    | 24       | Engine Room R/B No.1 (Engine Compartment Left) |

# Combination Meter



## : Junction Block and Wire Harness Connector

| Code | See Page | Junction Block and Wire Harness (Connector Location)                                       |
|------|----------|--------------------------------------------------------------------------------------------|
| 1X   | 29       | Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment left)                   |
| 4A   | 70       | Instrument Panel Wire and Center J/B RH (Right Side of the Instrument Panel Reinforcement) |
| 4C   |          |                                                                                            |
| 4D   |          |                                                                                            |
| 4E   |          |                                                                                            |
| 4F   |          |                                                                                            |
| 4I   |          |                                                                                            |
| 4J   |          |                                                                                            |
| 4K   |          |                                                                                            |
| 4L   |          |                                                                                            |
| 4M   |          |                                                                                            |
| 5A   | 66       | Instrument Panel Wire and Center J/B LH (Right Side of the Instrument Panel Reinforcement) |
| 5C   |          |                                                                                            |
| 5D   |          |                                                                                            |
| 5E   |          |                                                                                            |
| 5F   |          |                                                                                            |
| 5G   |          |                                                                                            |
| 5H   |          |                                                                                            |
| 5L   |          |                                                                                            |
| DA   | 55       | Instrument Panel Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| DD   |          |                                                                                            |
| DK   | 56       | Engine Room Main Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| DL   |          |                                                                                            |
| LC   | 63       | Floor No.2 Wire and Luggage Room J/B (Left Side of the Quarter Panel )                     |
| PA   | 49       | Instrument Panel Wire and Cowl Side J/B LH (Lower Finish Panel)                            |
| PD   |          |                                                                                            |
| PJ   | 50       | Floor No.2 Wire and Cowl Side J/B LH (Lower Finish Panel)                                  |
| PK   | 50       | Engine Room Main Wire and Cowl Side J/B LH (Lower Finish Panel)                            |



## : Connector Joining Wire Harness and Wire Harness

| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location)                     |
|------|----------|--------------------------------------------------------------------------------|
| AE1  | 96       | Engine Room Main Wire and Engine Wire (Inside of the ECU Box)                  |
| AV3  | 97       | Engine Room Main Wire and Floor No.2 Wire (Cowl Side Panel LH)                 |
| KA2  | 97       | Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)              |
| KA3  | 97       | Instrument Panel Wire and Engine Room Main Wire (Right Kick Panel)             |
| KU1  | 97       | Instrument Panel Wire and Floor No.1 Wire (Under the Console Box)              |
| KU2  | 97       | Instrument Panel Wire and Floor No.1 Wire (Right Kick Panel)                   |
| KV1  | 97       | Instrument Panel Wire and Floor No.2 Wire (Left Kick Panel)                    |
| UV1  | 98       | Floor No.1 Wire and Floor No.2 Wire (Center of the Rear Floor Partition Panel) |



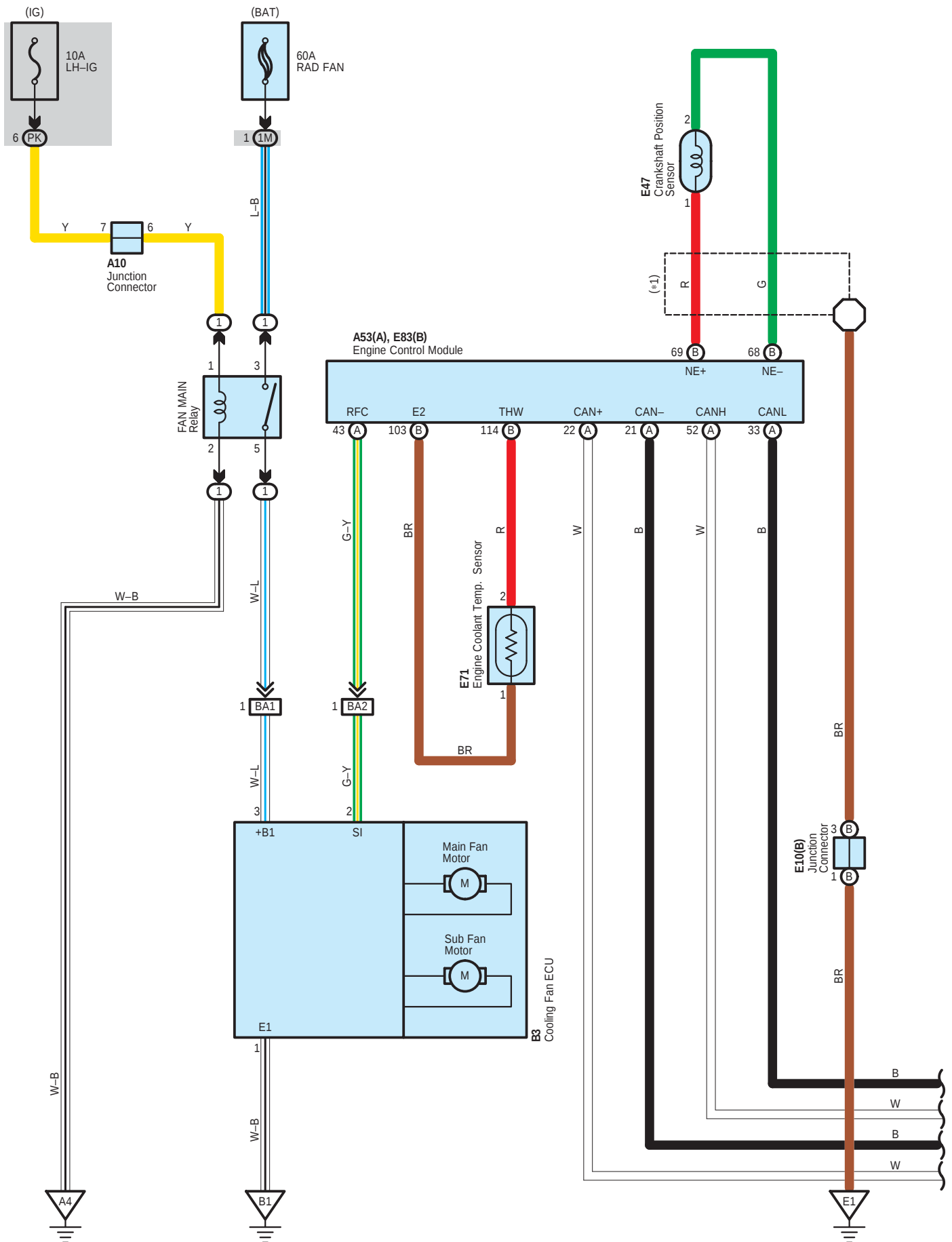
## : Ground Points

| Code | See Page | Ground Points Location                       |
|------|----------|----------------------------------------------|
| A1   | 96       | Left Side of the Dash Panel                  |
| A2   | 96       | Front Left Fender Apron                      |
| E1   | 96       | Rear Side of the Left Cylinder Head          |
| K1   | 97       | Left Kick Panel                              |
| K2   | 97       | Left Side of the Shift Lever                 |
| K4   | 97       | Right Kick Panel                             |
| U2   | 98       | Right Side of the Rear Floor Partition Panel |

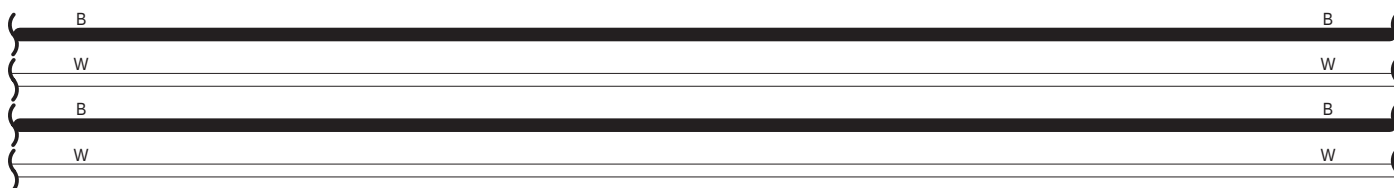
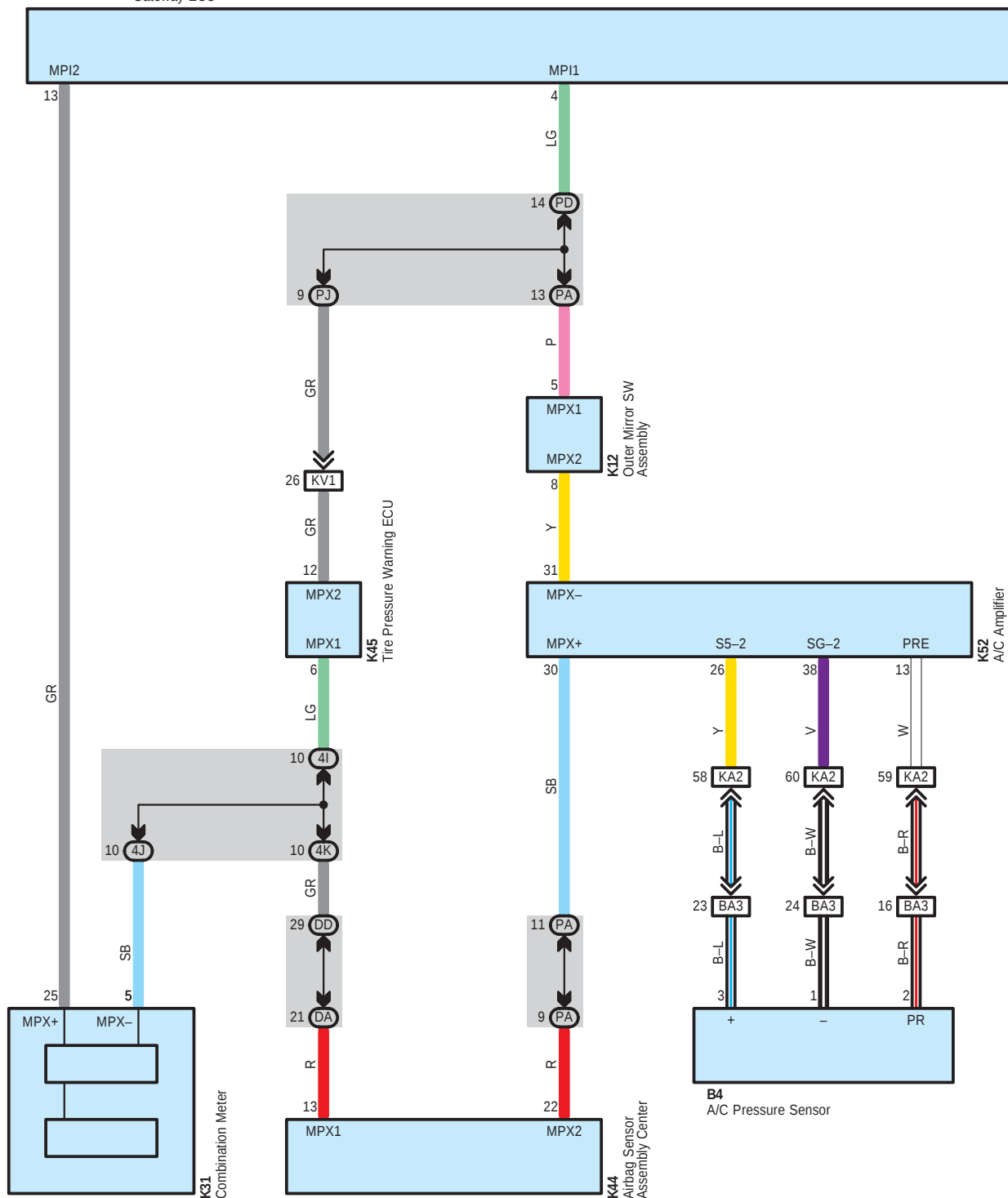


# Cooling Fan

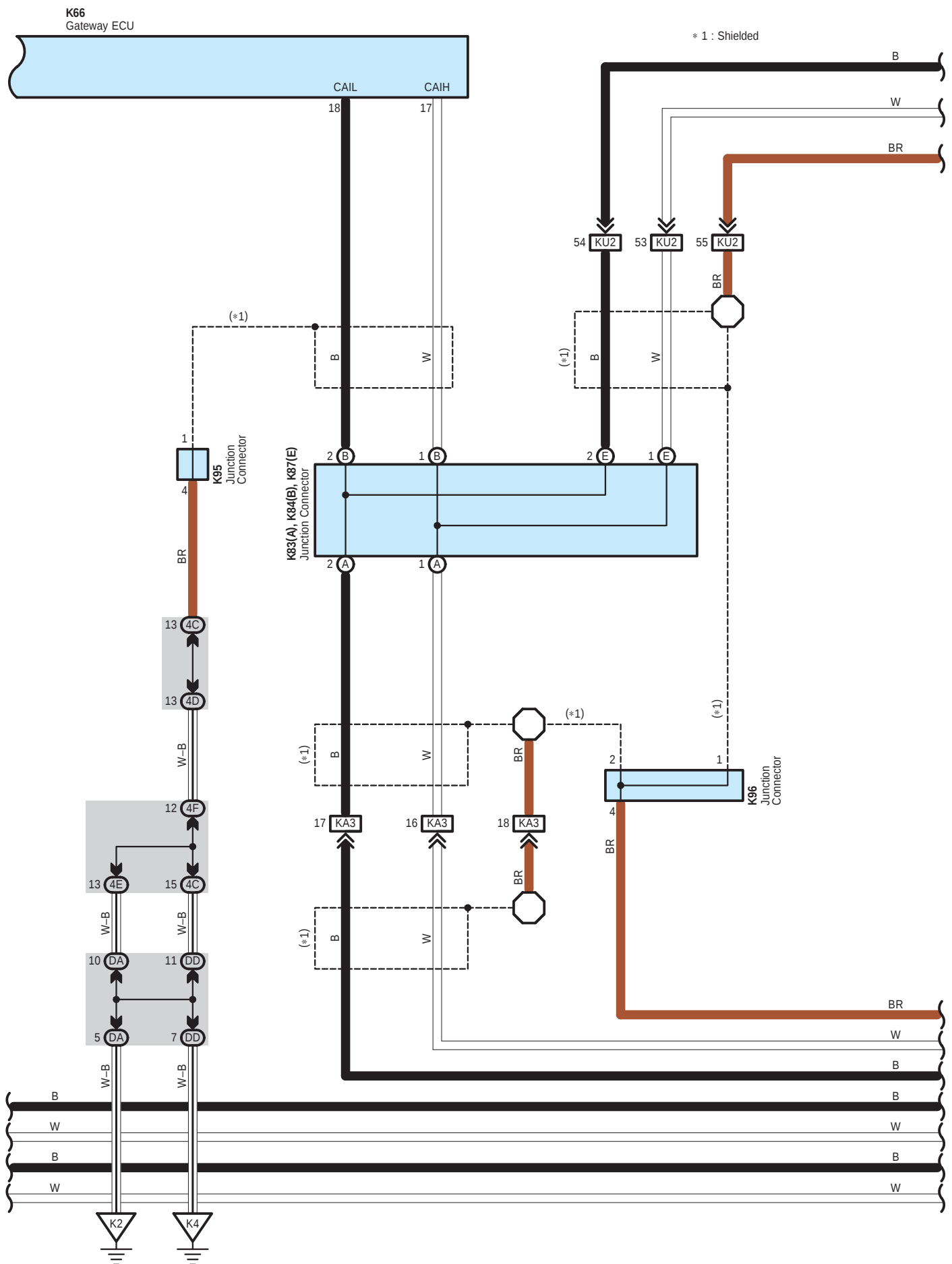
\* 1 : Shielded

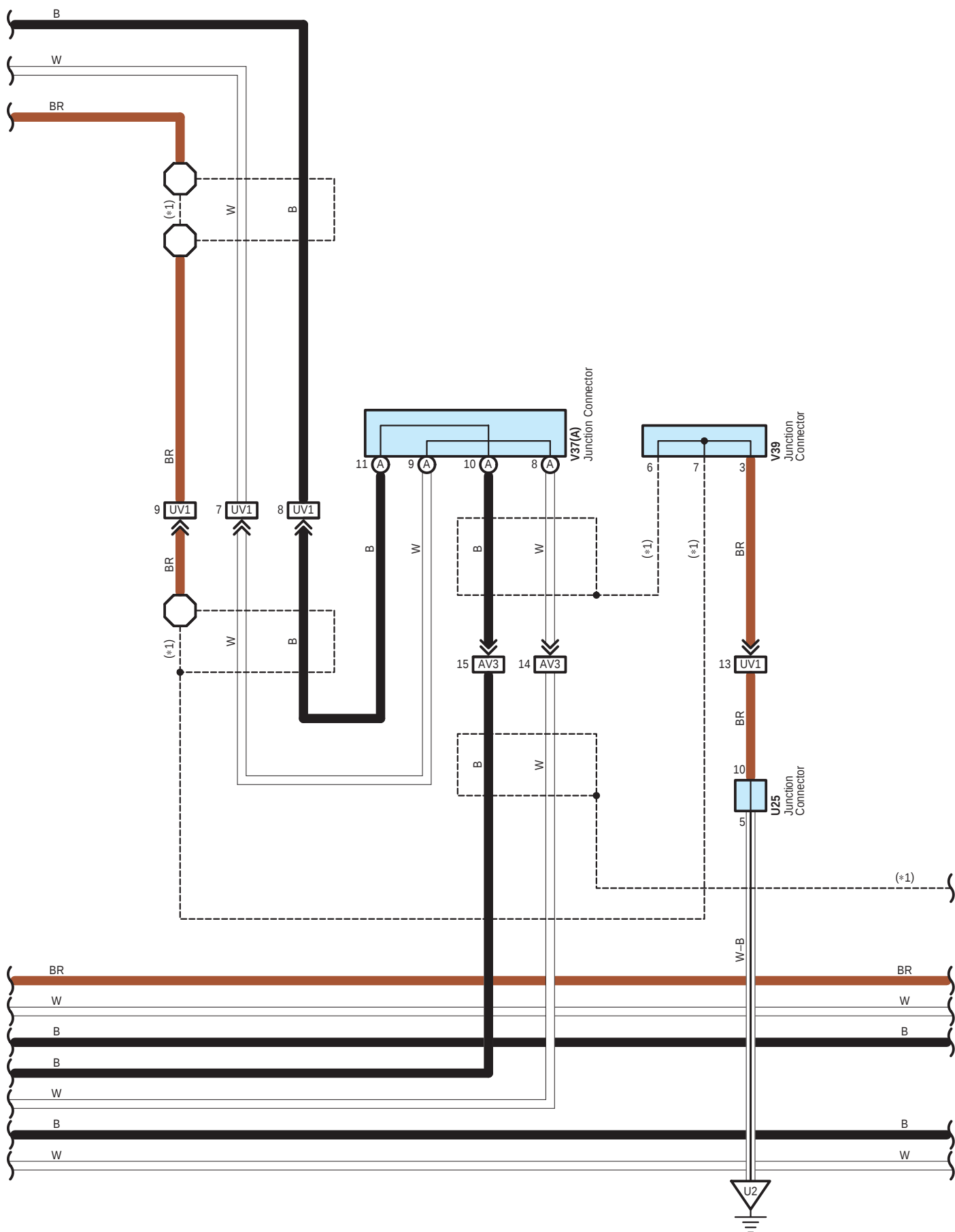


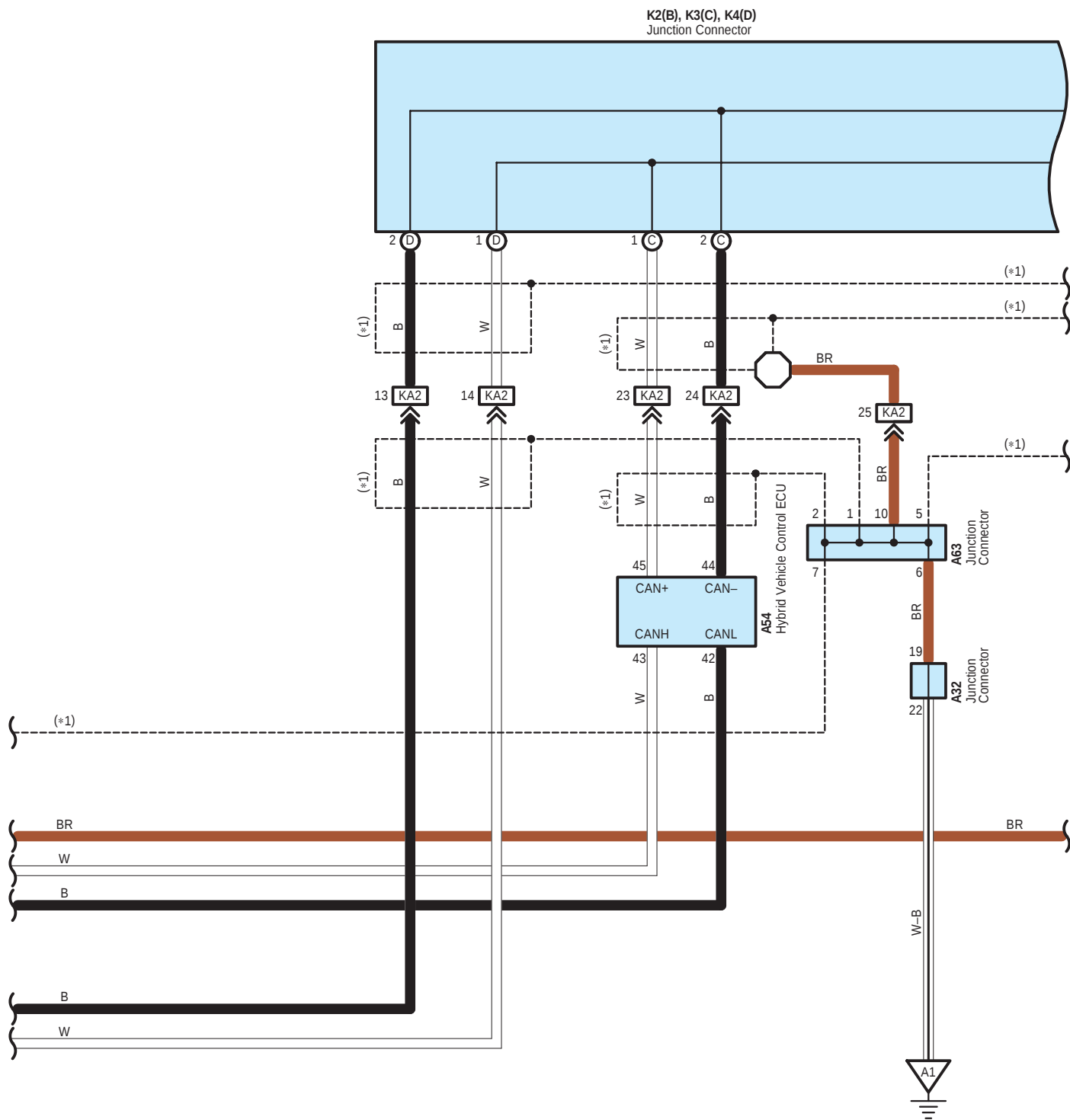
**K66**  
Gateway ECU



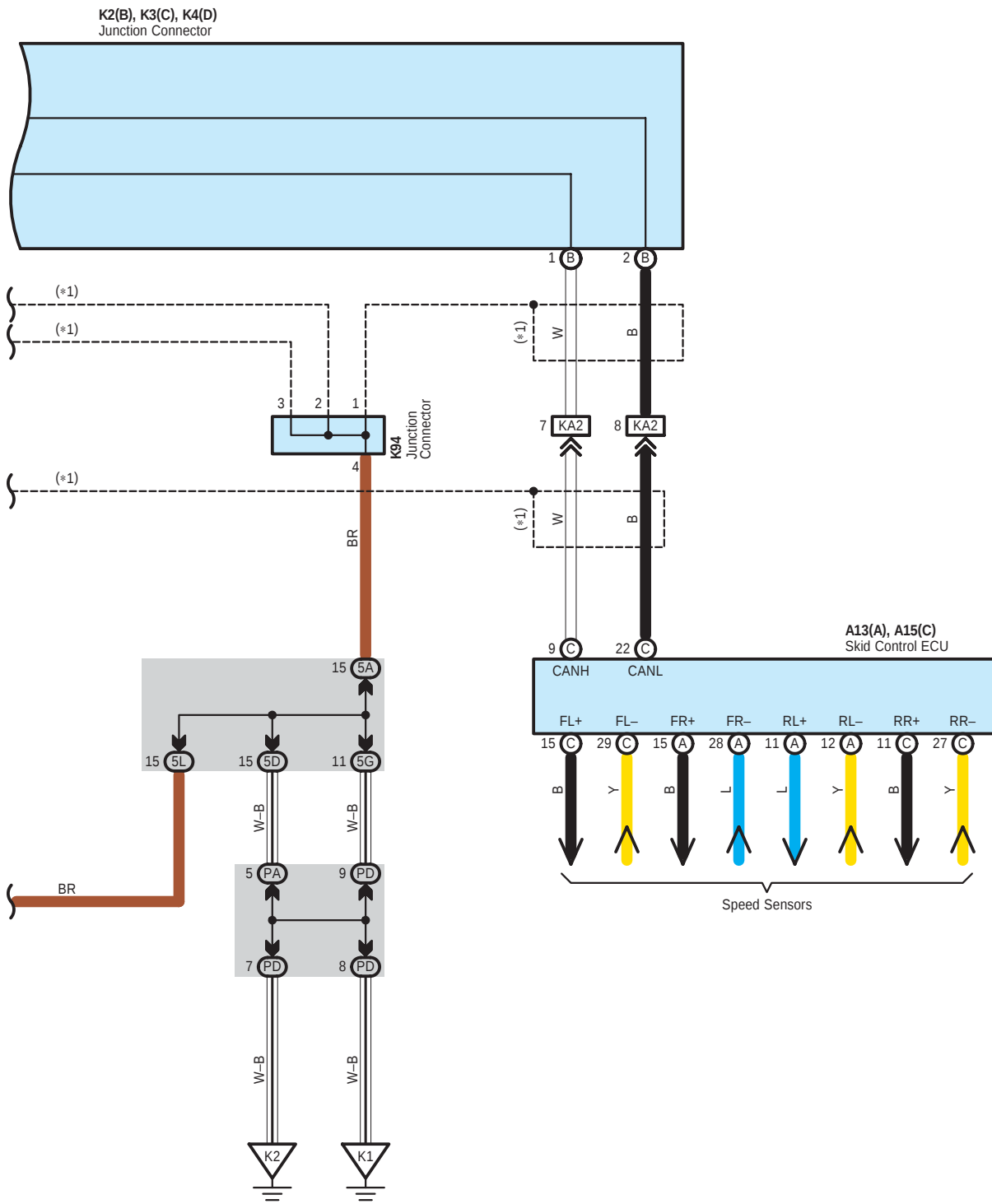
# Cooling Fan







\* 1 : Shielded



# Cooling Fan

## System Outline

It is a system to keep balance between cooling and air-conditioning performance, in which the cooling fan controller controls the cooling fan motor speed continuously based on signals from the engine control computer that are result of arithmetic processing of the water temperature, air conditioner coolant pressure, engine speed and vehicle speed signals.

## ○ : Parts Location

| Code | See Page | Code | See Page | Code | See Page |
|------|----------|------|----------|------|----------|
| A10  | 80       | E71  | 81       | K83  | A 78, 86 |
| A13  | A 80     | E83  | B 81     | K84  | B 78, 86 |
| A15  | C 80     | K2   | B 74, 85 | K87  | E 78, 86 |
| A32  | 84       | K3   | C 74, 85 | K94  | 86       |
| A53  | A 80     | K4   | D 74, 85 | K95  | 86       |
| A54  | 80       | K12  | 85       | K96  | 86       |
| A63  | 84       | K31  | 85       | U25  | 90       |
| B3   | 82       | K44  | 86       | V37  | A 91     |
| B4   | 82       | K45  | 86       | V39  | 91       |
| E10  | B 81     | K52  | 86       |      |          |
| E47  | 81       | K66  | 86       |      |          |

## ○ : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location)            |
|------|----------|------------------------------------------------|
| 1    | 24       | 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)                                       |
|------|----------|--------------------------------------------------------------------------------------------|
| 1M   | 27       | Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment left)                   |
| 4C   | 70       | Instrument Panel Wire and Center J/B RH (Right Side of the Instrument Panel Reinforcement) |
| 4D   |          |                                                                                            |
| 4E   |          |                                                                                            |
| 4F   |          |                                                                                            |
| 4I   |          |                                                                                            |
| 4J   |          |                                                                                            |
| 4K   |          |                                                                                            |
| 5A   | 66       | Instrument Panel Wire and Center J/B LH (Right Side of the Instrument Panel Reinforcement) |
| 5D   |          |                                                                                            |
| 5G   |          |                                                                                            |
| 5L   |          |                                                                                            |
| DA   | 55       | Instrument Panel Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| DD   |          |                                                                                            |
| PA   | 49       | Instrument Panel Wire and Cowl Side J/B LH (Lower Finish Panel)                            |
| PD   |          |                                                                                            |
| PJ   | 50       | Floor No.2 Wire and Cowl Side J/B LH (Lower Finish Panel)                                  |
| PK   | 50       | Engine Room Main Wire and Cowl Side J/B LH (Lower Finish Panel)                            |

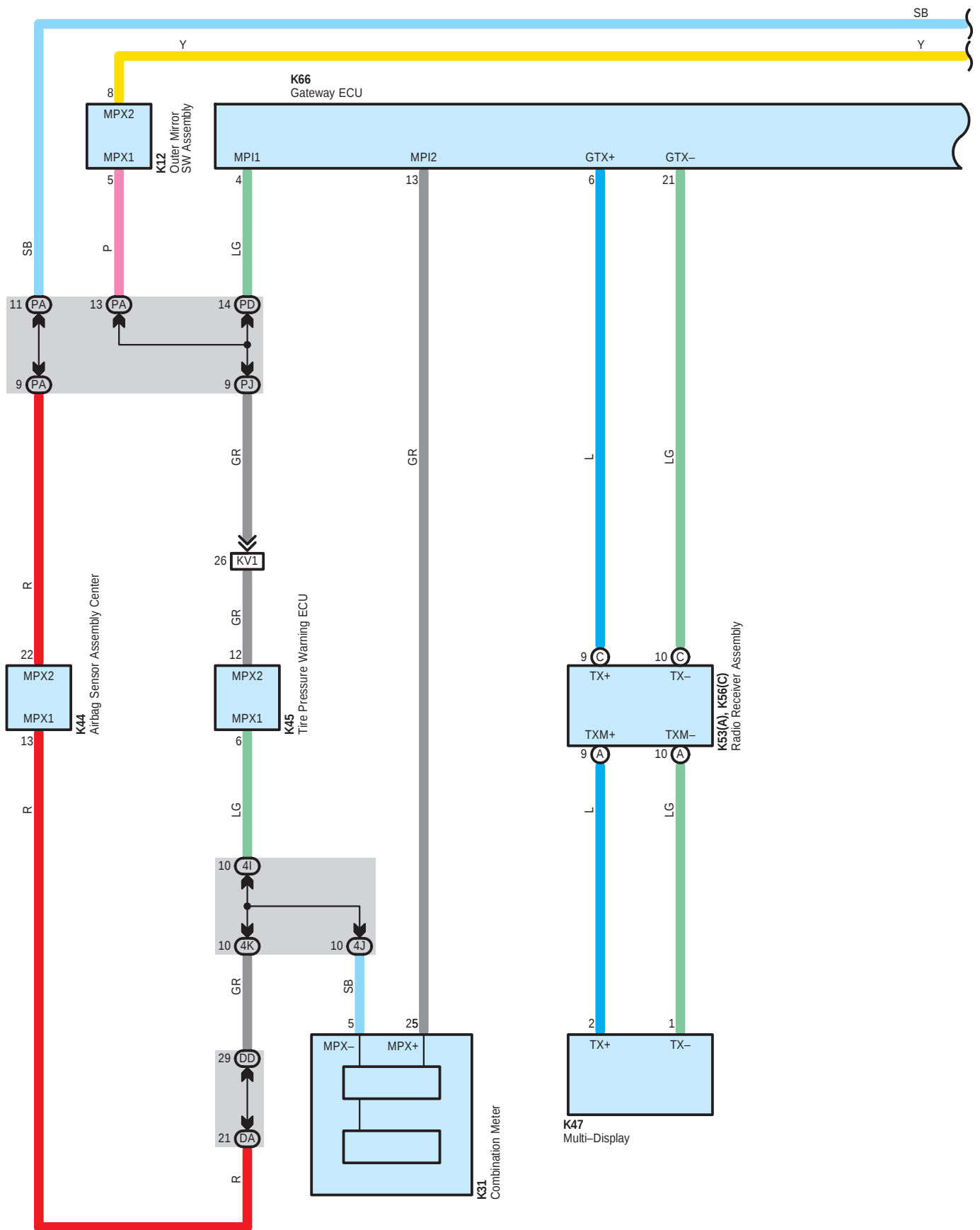
 : Connector Joining Wire Harness and Wire Harness

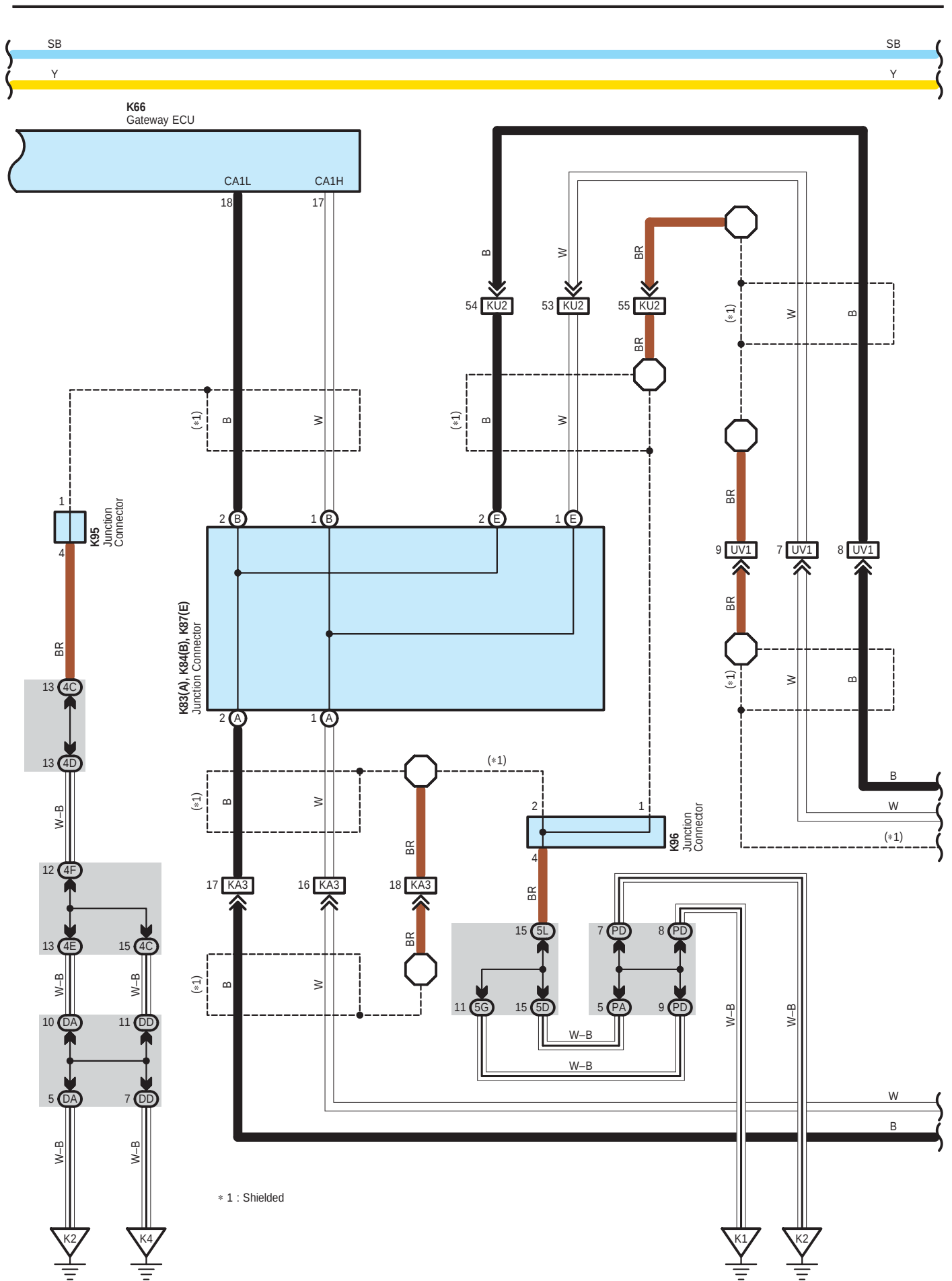
| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location)                            |
|------|----------|---------------------------------------------------------------------------------------|
| AV3  | 97       | Engine Room Main Wire and Floor No.2 Wire (Cowl Side Panel LH)                        |
| BA1  | 96       | Engine Room No.2 Wire and Engine Room Main Wire (Inside of the Engine Room R/B No.2 ) |
| BA2  |          |                                                                                       |
| BA3  |          |                                                                                       |
| KA2  | 97       | Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)                     |
| KA3  | 97       | Instrument Panel Wire and Engine Room Main Wire (Right Kick Panel)                    |
| KU2  | 97       | Instrument Panel Wire and Floor No.1 Wire (Right Kick Panel)                          |
| KV1  | 97       | Instrument Panel Wire and Floor No.2 Wire (Left Kick Panel)                           |
| UV1  | 98       | Floor No.1 Wire and Floor No.2 Wire (Center of the Rear Floor Partition Panel)        |

 : Ground Points

| Code | See Page | Ground Points Location                       |
|------|----------|----------------------------------------------|
| A1   | 96       | Left Side of the Dash Panel                  |
| A4   | 96       | Front Right Fender Apron                     |
| B1   | 96       | Near the Headlamp RH                         |
| E1   | 96       | Rear Side of the Left Cylinder Head          |
| K1   | 97       | Left Kick Panel                              |
| K2   | 97       | Left Side of the Shift Lever                 |
| K4   | 97       | Right Kick Panel                             |
| U2   | 98       | Right Side of the Rear Floor Partition Panel |

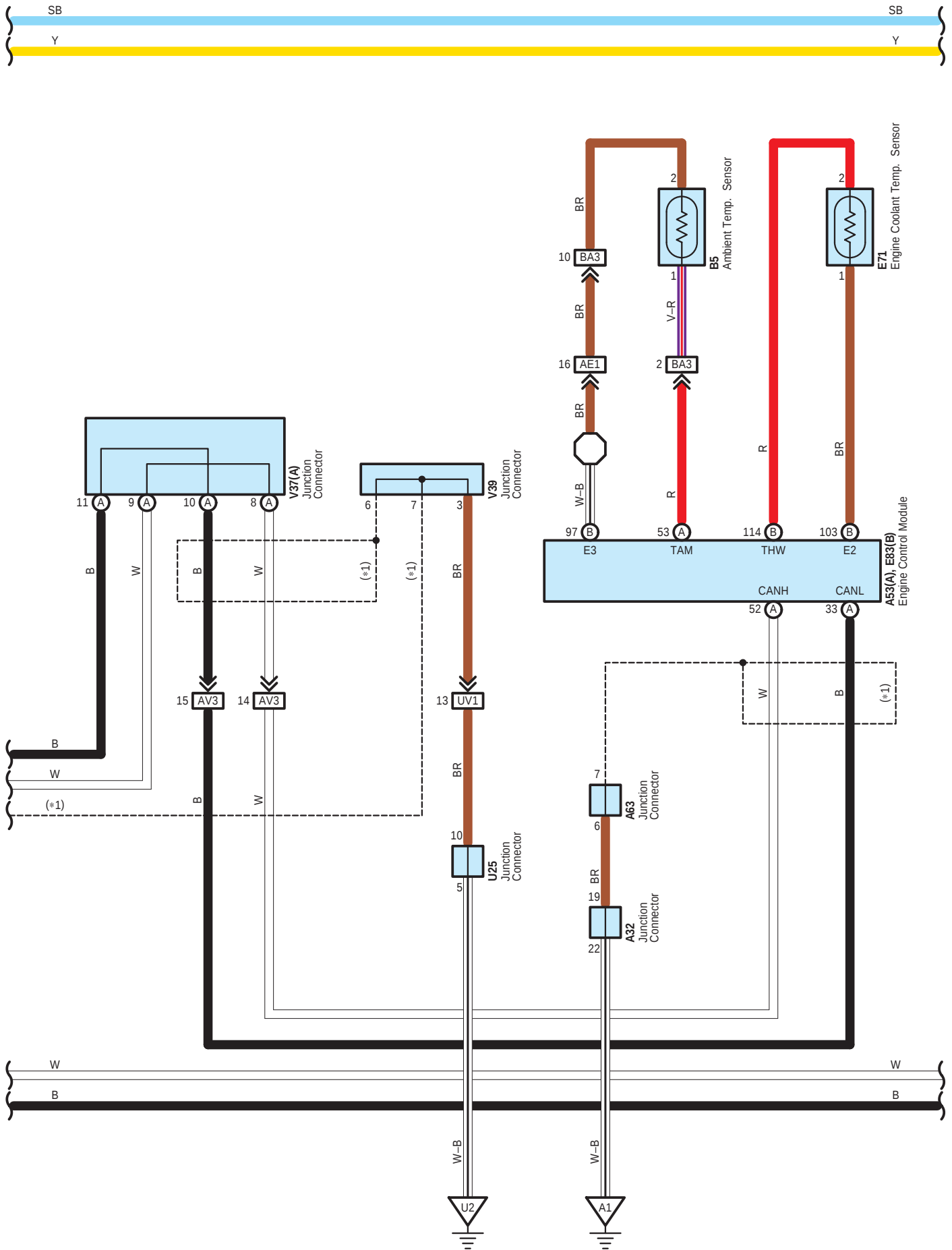
# Air Conditioning

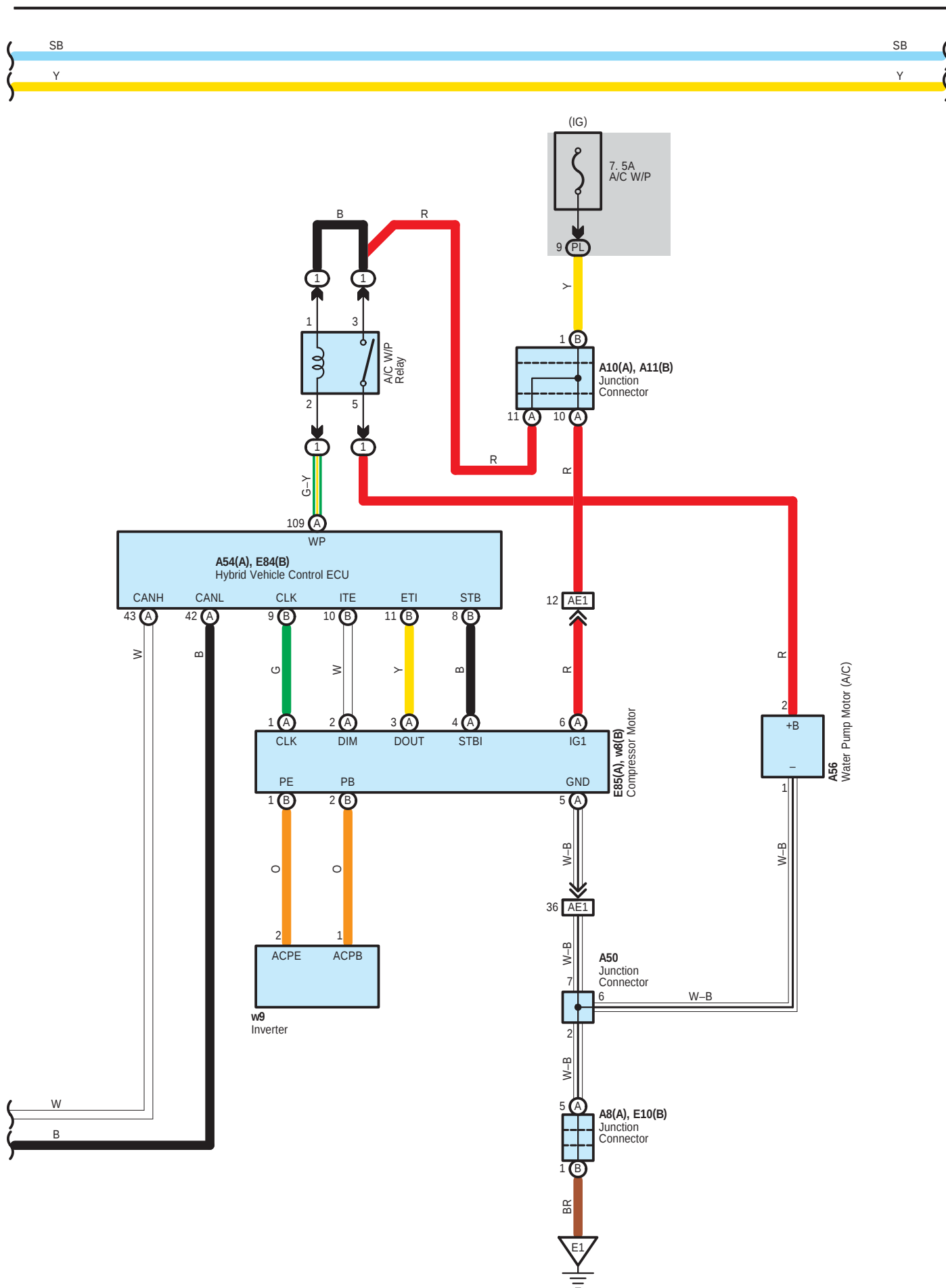




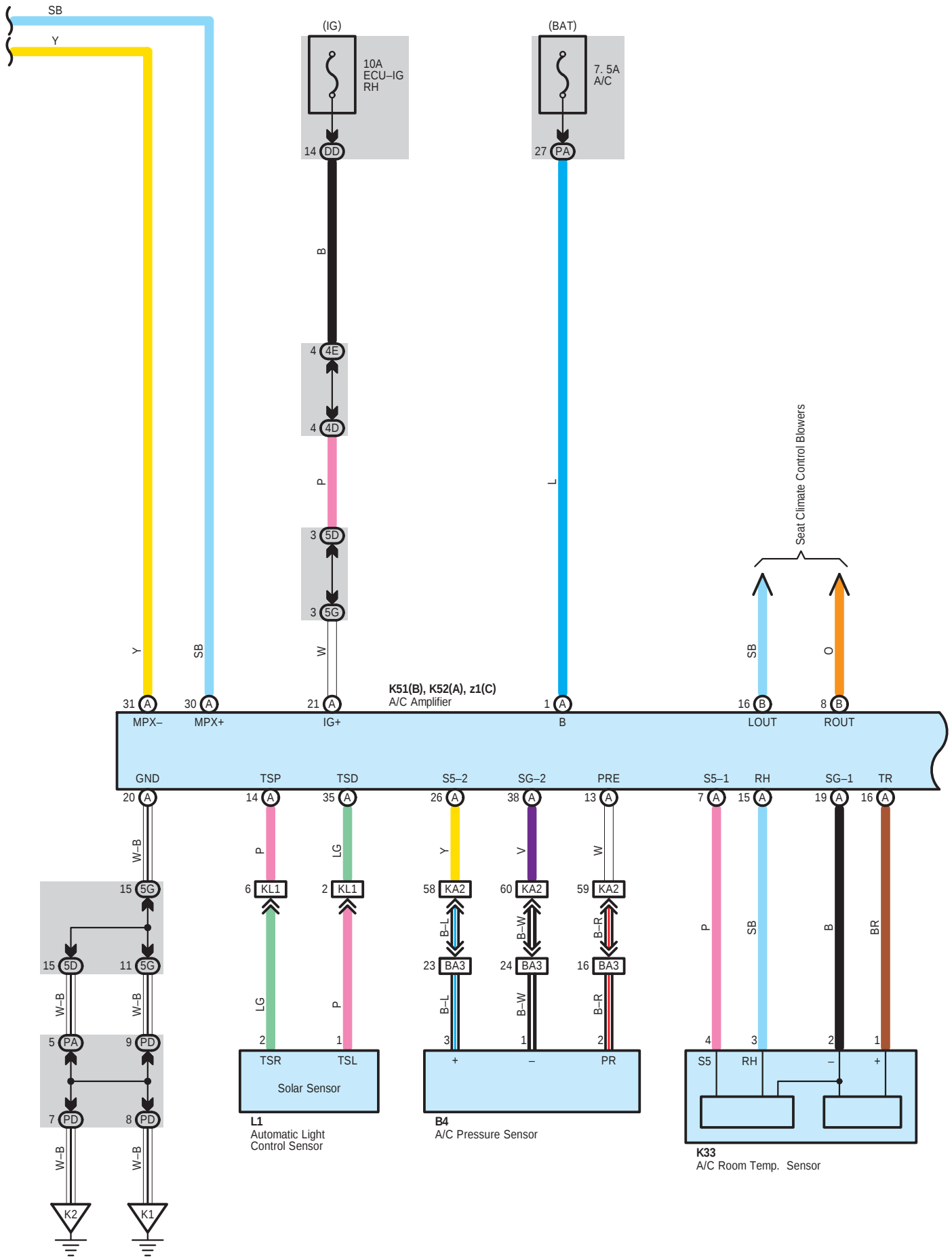
# Air Conditioning

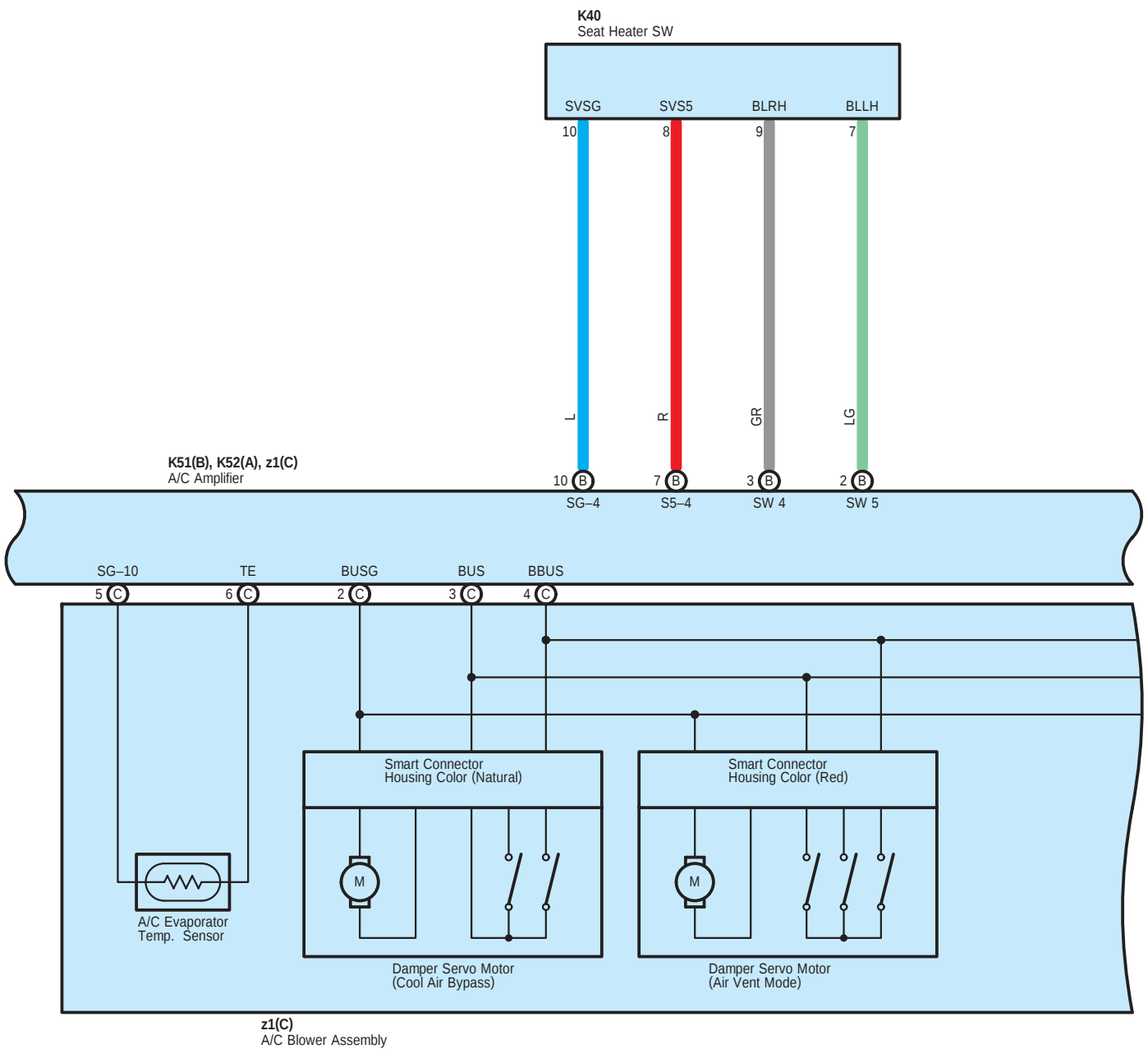
\* 1 : Shielded

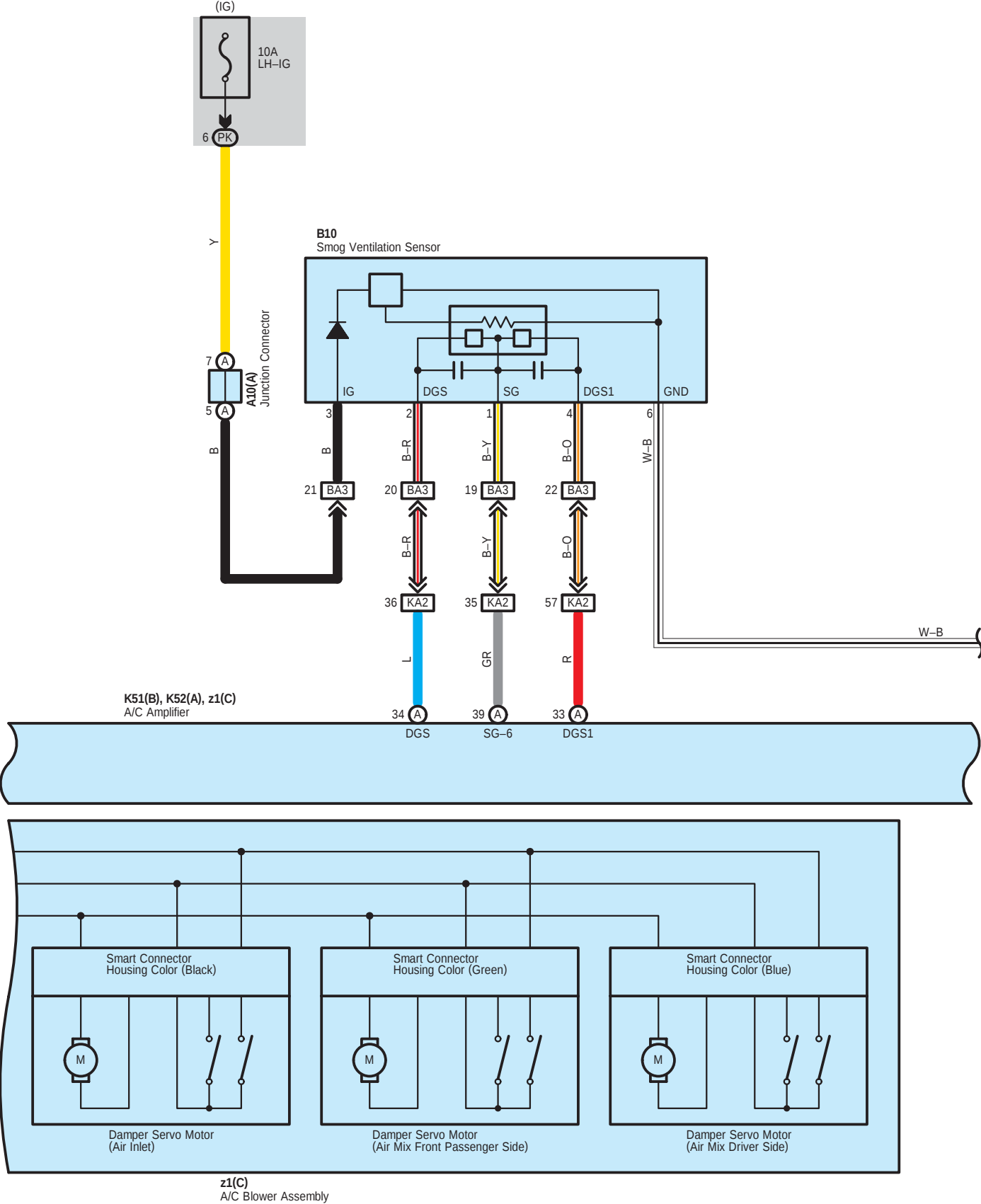


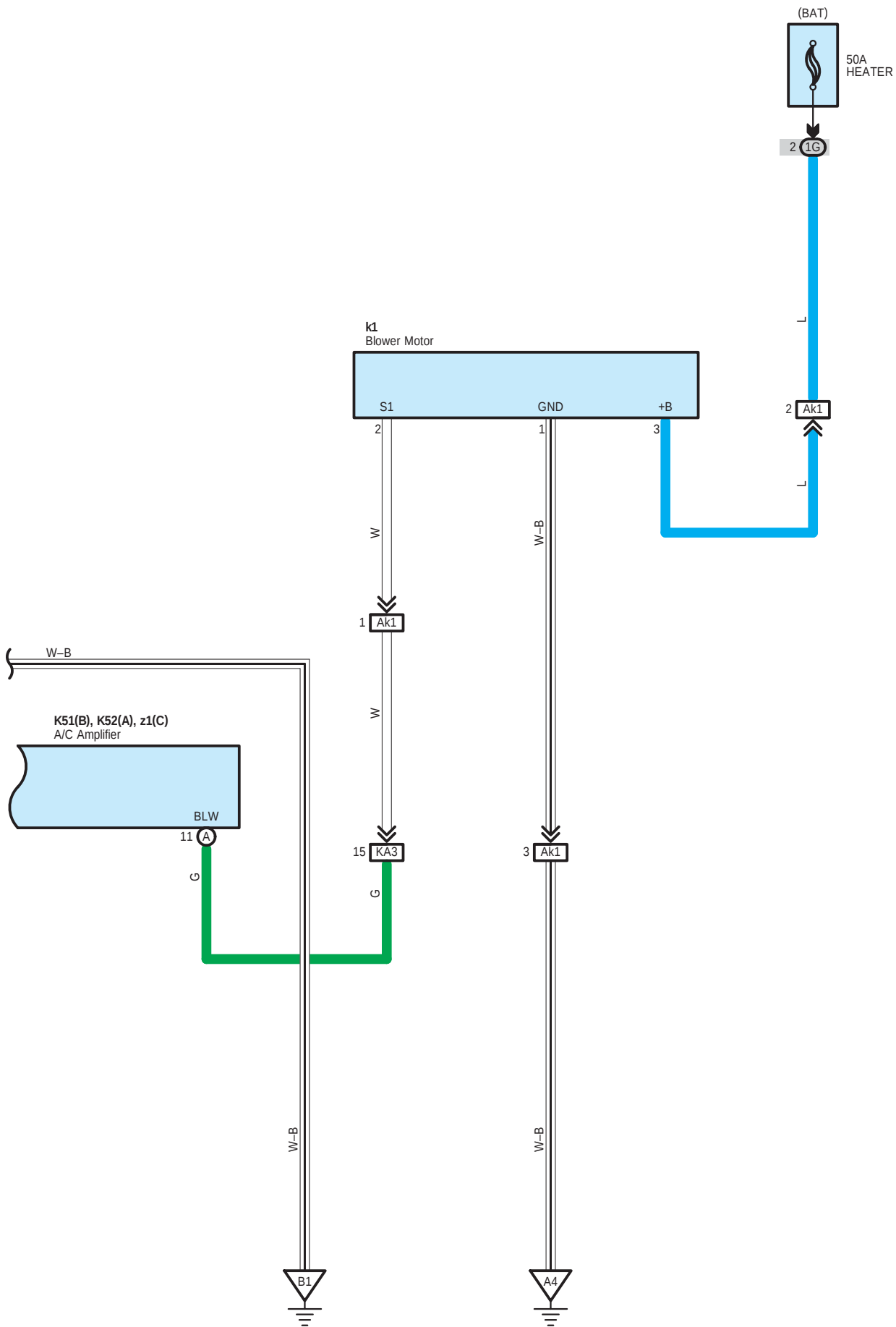


# Air Conditioning









# Air Conditioning

## : Parts Location

| Code |   | See Page | Code |   | See Page | Code |   | See Page |
|------|---|----------|------|---|----------|------|---|----------|
| A8   | A | 80       | E83  | B | 81       | K66  |   | 86       |
| A10  | A | 80       | E84  | B | 81       | K83  | A | 78, 86   |
| A11  | B | 80       | E85  | A | 81       | K84  | B | 78, 86   |
| A32  |   | 84       | K12  |   | 85       | K87  | E | 78, 86   |
| A50  |   | 80       | K31  |   | 85       | K95  |   | 86       |
| A53  | A | 80       | K33  |   | 85       | K96  |   | 86       |
| A54  | A | 80       | K40  |   | 86       | L1   |   | 87       |
| A56  |   | 80       | K44  |   | 86       | U25  |   | 90       |
| A63  |   | 84       | K45  |   | 86       | V37  | A | 91       |
| B4   |   | 82       | K47  |   | 86       | V39  |   | 91       |
| B5   |   | 82       | K51  | B | 86       | k1   |   | 87       |
| B10  |   | 82       | K52  | A | 86       | w8   | B | 83       |
| E10  | B | 81       | K53  | A | 86       | w9   |   | 83       |
| E71  |   | 81       | K56  | C | 86       | z1   | C | 87       |

## : Relay Blocks

| Code | See Page | Relay Blocks (Relay Block Location)            |
|------|----------|------------------------------------------------|
| 1    | 24       | 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)                                       |
|------|----------|--------------------------------------------------------------------------------------------|
| 1G   | 27       | Engine Room Main Wire and Engine Room J/B No.1 (Engine Compartment left)                   |
| 4C   | 70       | Instrument Panel Wire and Center J/B RH (Right Side of the Instrument Panel Reinforcement) |
| 4D   |          |                                                                                            |
| 4E   |          |                                                                                            |
| 4F   |          |                                                                                            |
| 4I   |          |                                                                                            |
| 4J   |          |                                                                                            |
| 4K   |          |                                                                                            |
| 5D   | 66       | Instrument Panel Wire and Center J/B LH (Right Side of the Instrument Panel Reinforcement) |
| 5G   |          |                                                                                            |
| 5L   |          |                                                                                            |
| DA   | 55       | Instrument Panel Wire and Cowl Side J/B RH (Behind the Glove Box)                          |
| DD   |          |                                                                                            |
| PA   | 49       | Instrument Panel Wire and Cowl Side J/B LH (Lower Finish Panel)                            |
| PD   |          |                                                                                            |
| PJ   | 50       | Floor No.2 Wire and Cowl Side J/B LH (Lower Finish Panel)                                  |
| PK   | 50       | Engine Room Main Wire and Cowl Side J/B LH (Lower Finish Panel)                            |
| PL   |          |                                                                                            |

## : Connector Joining Wire Harness and Wire Harness

| Code | See Page | Joining Wire Harness and Wire Harness (Connector Location)                            |
|------|----------|---------------------------------------------------------------------------------------|
| AE1  | 96       | Engine Room Main Wire and Engine Wire (Inside of the ECU Box)                         |
| AV3  | 97       | Engine Room Main Wire and Floor No.2 Wire (Cowl Side Panel LH)                        |
| Ak1  | 97       | Engine Room Main Wire and Wiring A/C No.2 Harness Sub Assembly (Under the Glove Box)  |
| BA3  | 96       | Engine Room No.2 Wire and Engine Room Main Wire (Inside of the Engine Room R/B No.2 ) |
| KA2  | 97       | Instrument Panel Wire and Engine Room Main Wire (Left Kick Panel)                     |
| KA3  | 97       | Instrument Panel Wire and Engine Room Main Wire (Right Kick Panel)                    |
| KL1  | 97       | Instrument Panel Wire and Instrument Panel No.2 Wire (Center of the Instrument Panel) |
| KU2  | 97       | Instrument Panel Wire and Floor No.1 Wire (Right Kick Panel)                          |
| KV1  | 97       | Instrument Panel Wire and Floor No.2 Wire (Left Kick Panel)                           |
| UV1  | 98       | Floor No.1 Wire and Floor No.2 Wire (Center of the Rear Floor Partition Panel)        |



: **Ground Points**

| Code | See Page | Ground Points Location                       |
|------|----------|----------------------------------------------|
| A1   | 96       | Left Side of the Dash Panel                  |
| A4   | 96       | Front Right Fender Apron                     |
| B1   | 96       | Near the Headlamp RH                         |
| E1   | 96       | Rear Side of the Left Cylinder Head          |
| K1   | 97       | Left Kick Panel                              |
| K2   | 97       | Left Side of the Shift Lever                 |
| K4   | 97       | Right Kick Panel                             |
| U2   | 98       | Right Side of the Rear Floor Partition Panel |