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POWER SUPPLY, GROUND & CIRCUIT ELEMENTS

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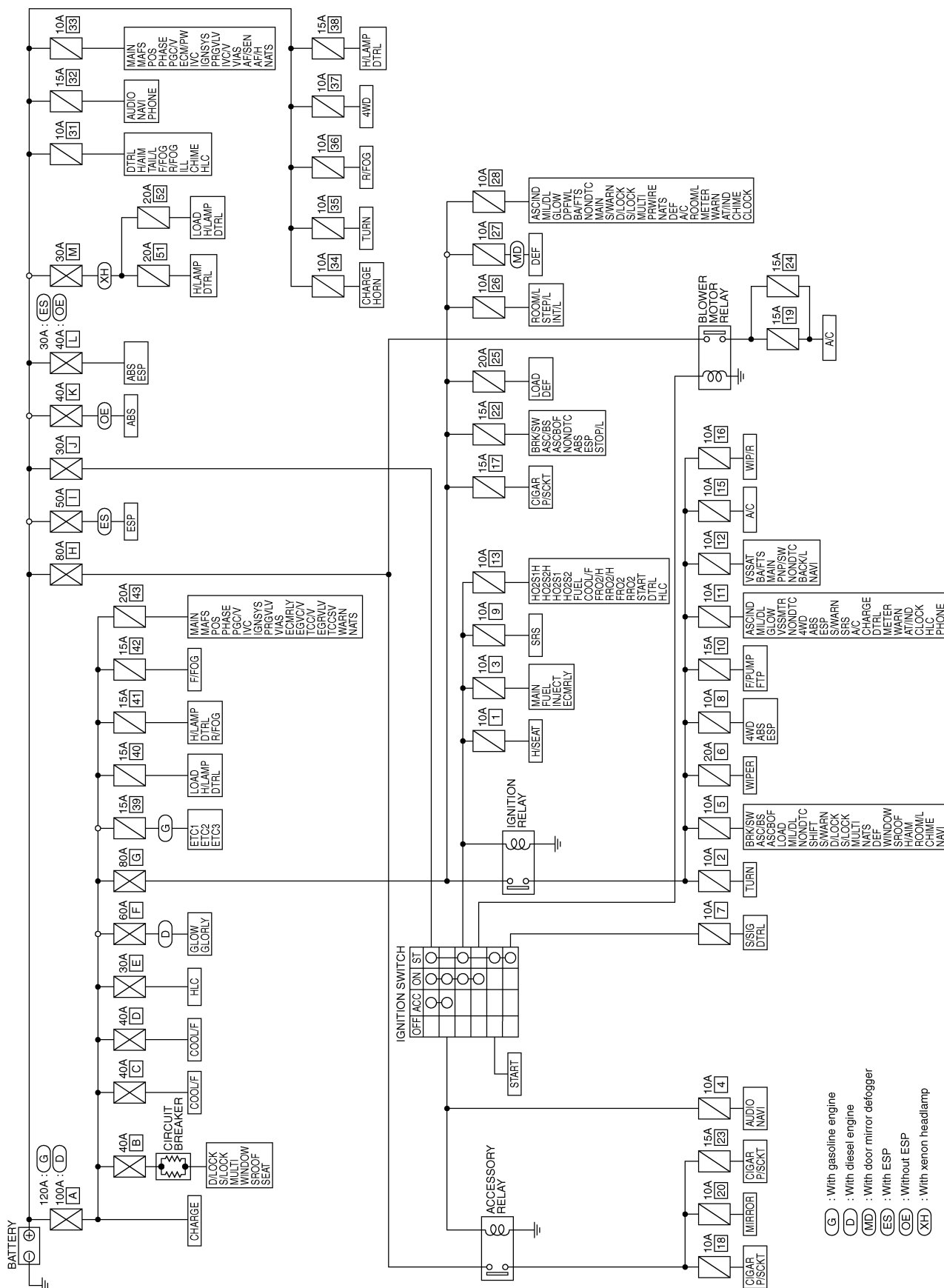
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POWER SUPPLY ROUTING

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Schematic

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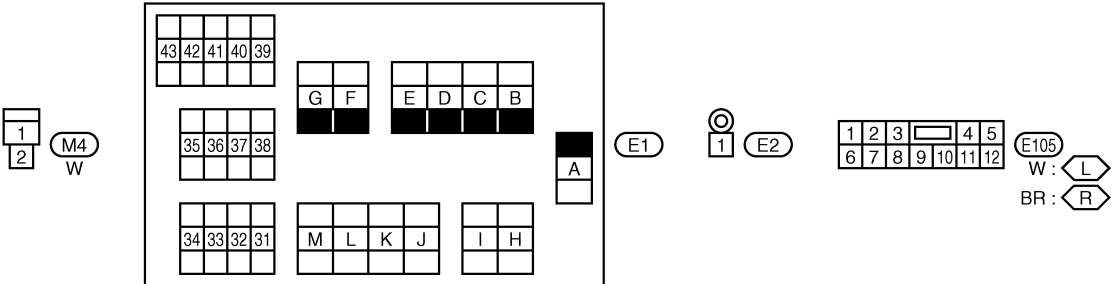
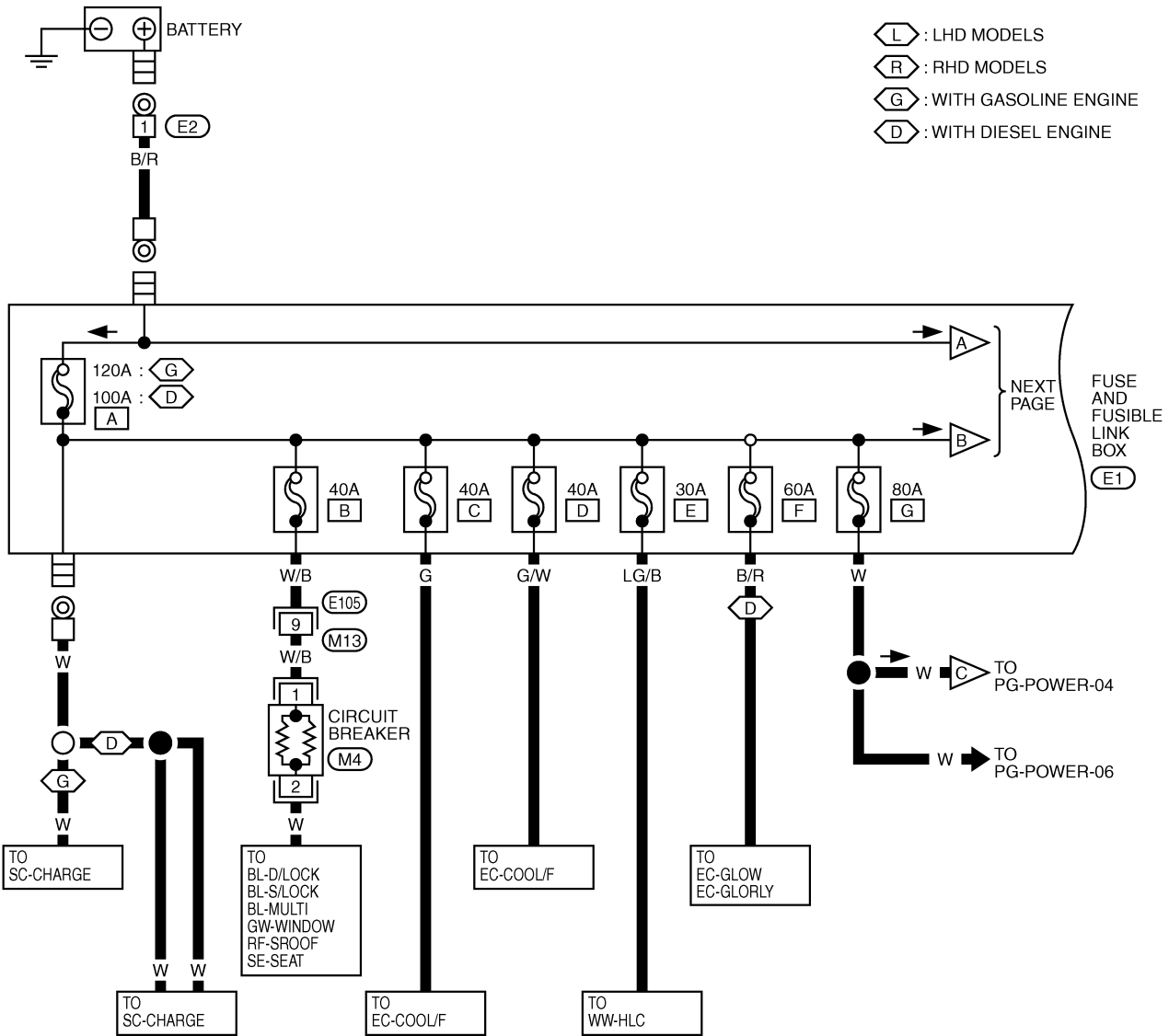
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POWER SUPPLY ROUTING

Wiring Diagram — POWER —
BATTERY POWER SUPPLY — IGNITION SW. IN ANY POSITION

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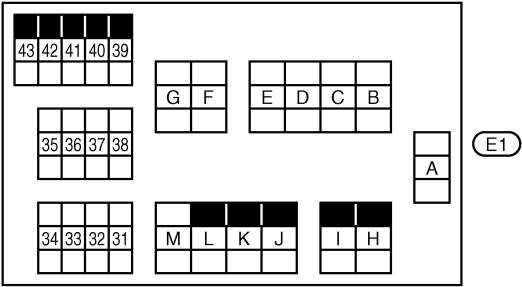
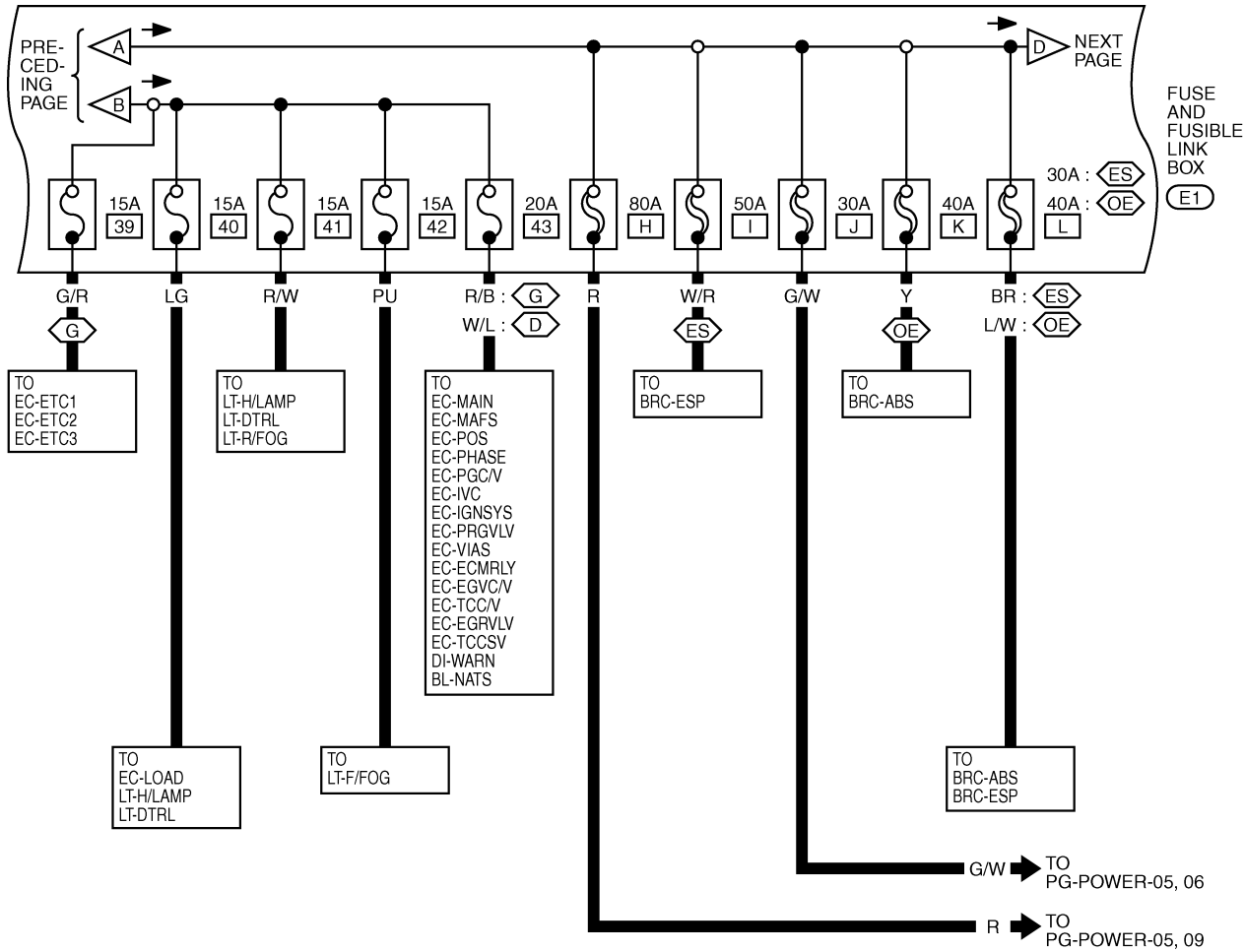
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POWER SUPPLY ROUTING

PG-POWER-02

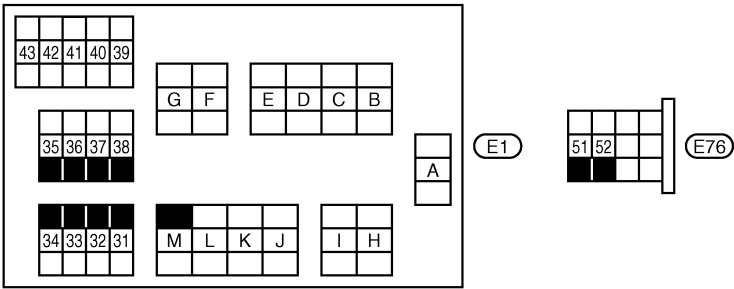
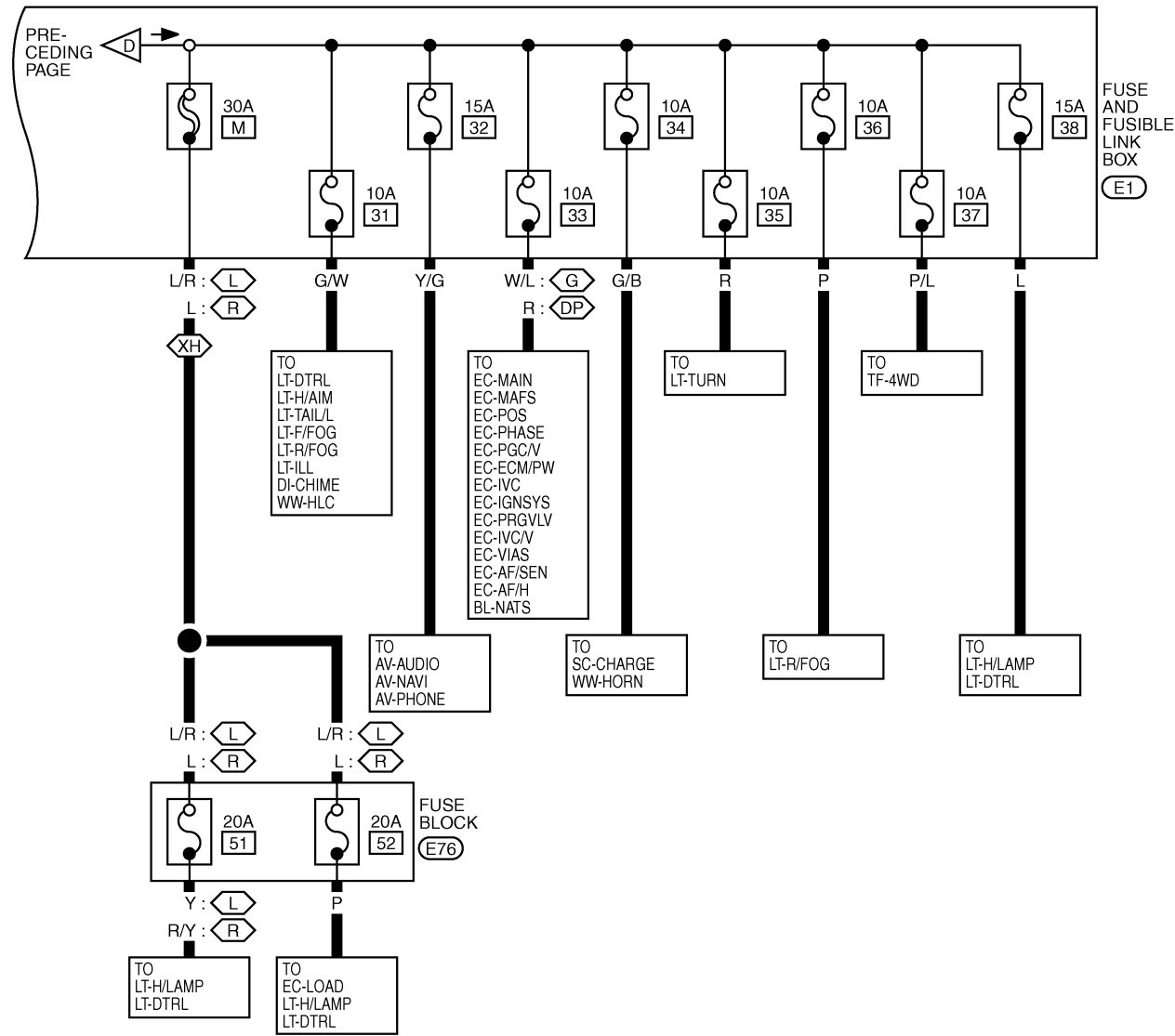
- G : WITH GASOLINE ENGINE
- D : WITH DIESEL ENGINE
- ES : WITH ESP
- OE : WITHOUT ESP



POWER SUPPLY ROUTING

PG-POWER-03

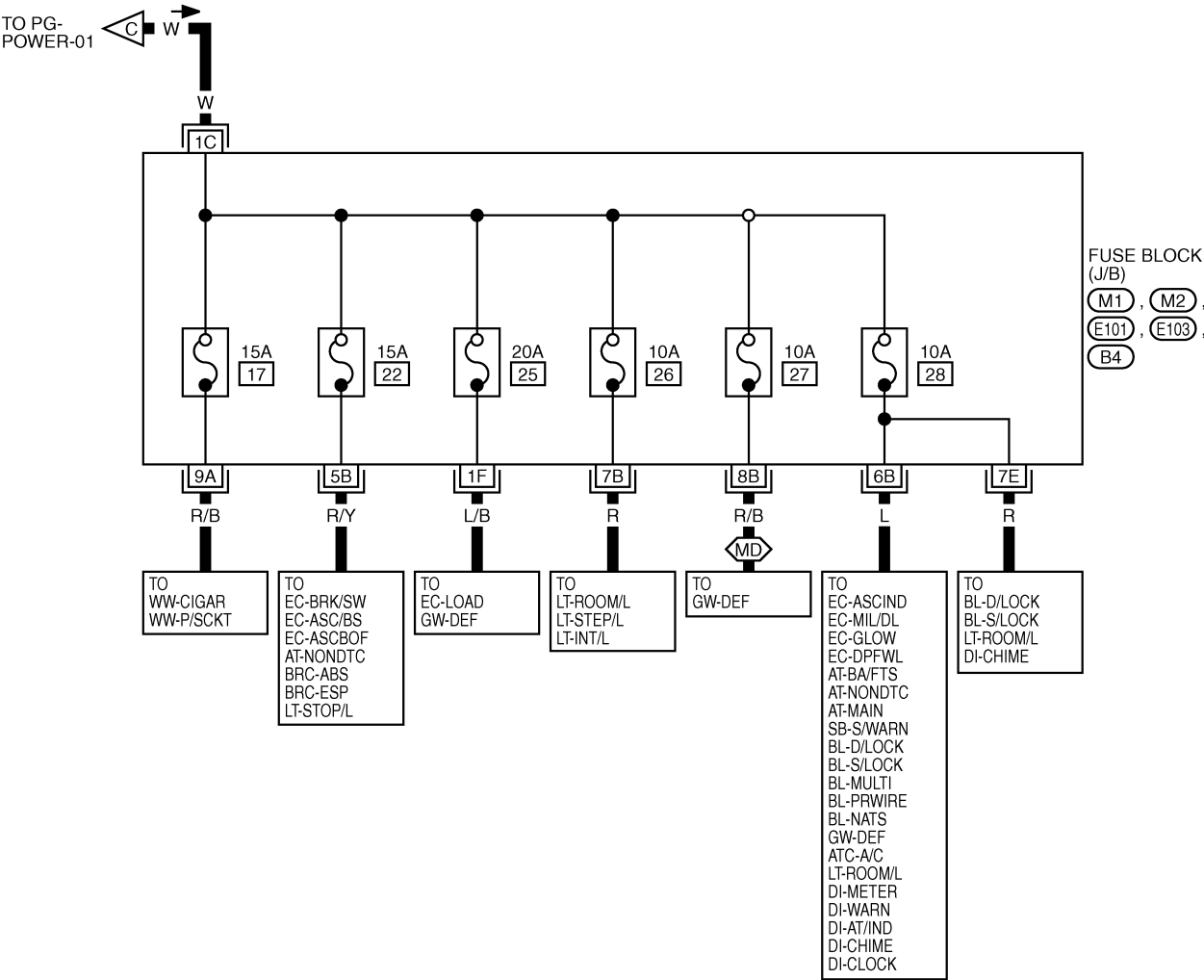
- G : WITH GASOLINE ENGINE
- L : LHD MODELS
- R : RHD MODELS
- DP : WITH DPF
- XH : WITH XENON HEADLAMP



POWER SUPPLY ROUTING

PG-POWER-04

MD : WITH DOOR MIRROR DEFOGGER



REFER TO THE FOLLOWING.

M1, M2, E101, E103,				
B4 - FUSE BLOCK-JUNCTION BOX (J/B)				
28	24	19	14	9
27	23	18	13	8
26	22	17	12	7
25	21	16	11	6

UP

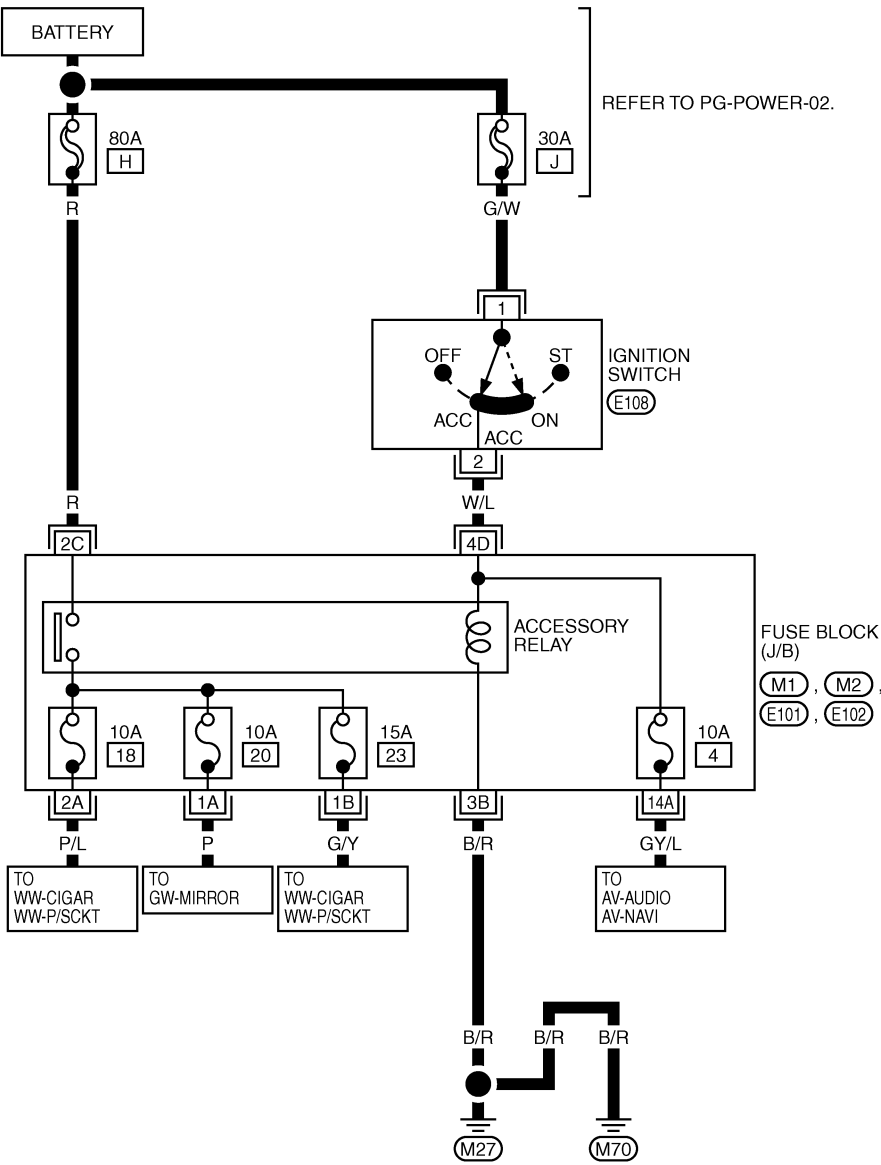


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POWER SUPPLY ROUTING

ACCESSORY POWER SUPPLY — IGNITION SW. IN “ACC” OR “ON”

PG-POWER-05



3	5	1
4	2	6

E108
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REFER TO THE FOLLOWING.

M1	M2	E101	E102
----	----	------	------

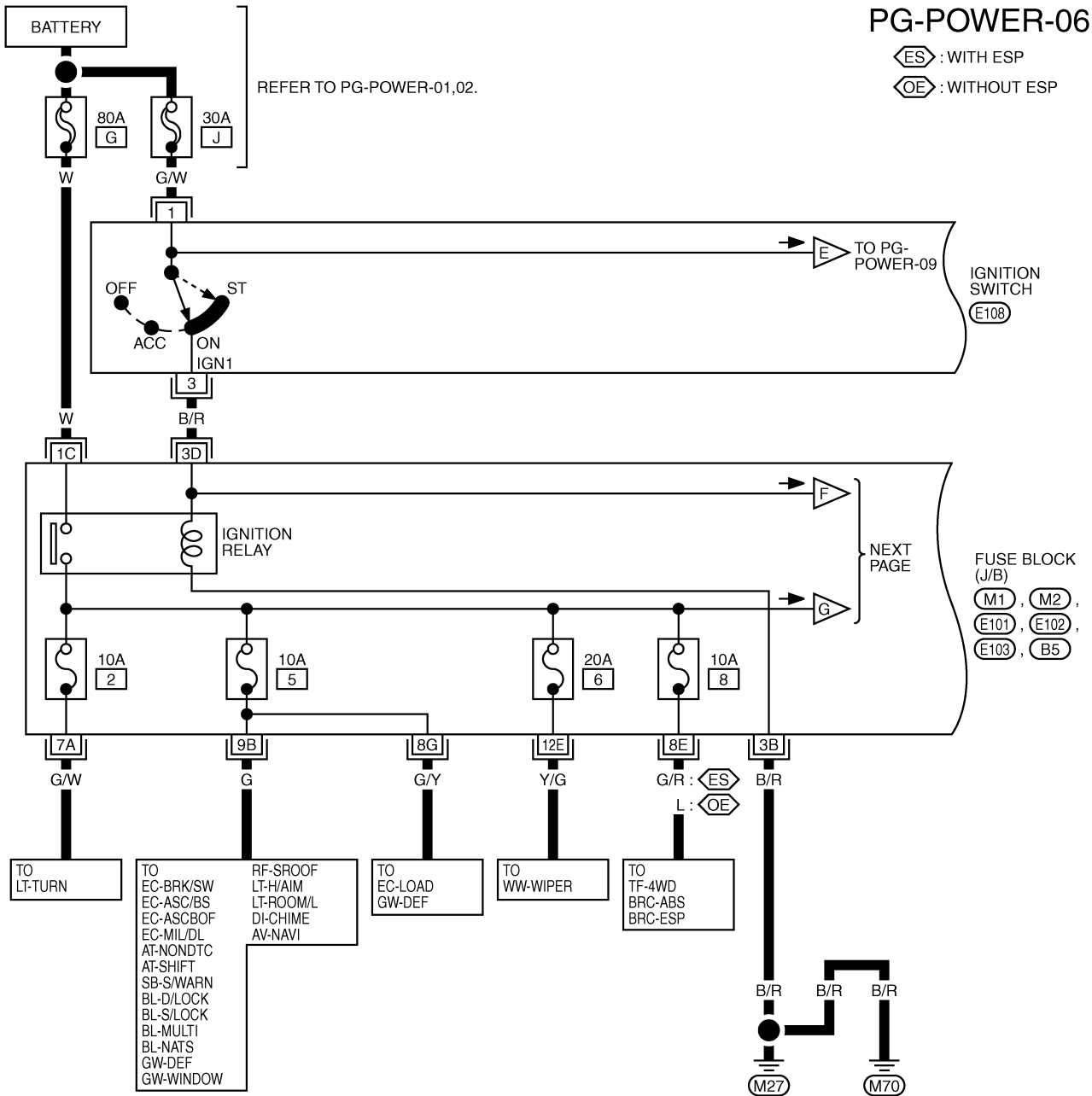
-FUSE BLOCK-JUNCTION BOX (J/B)

28	20	15	10	5
24	19	14	9	4
27	23	18	13	8
26	22	17	12	7
25	21	16	11	6

UP

POWER SUPPLY ROUTING

IGNITION POWER SUPPLY — IGNITION SW. IN “ON” AND/OR “START”



3	5	1
4	2	6

E108
W

REFER TO THE FOLLOWING.

(M1), (M2), (E101), (E102),
(E103), (B5) - FUSE BLOCK-
JUNCTION BOX (J/B)


28		20	15	10	5
	24	19	14	9	4
27	23	18	13	8	3
26	22	17	12	7	2
25	21	16	11	6	1

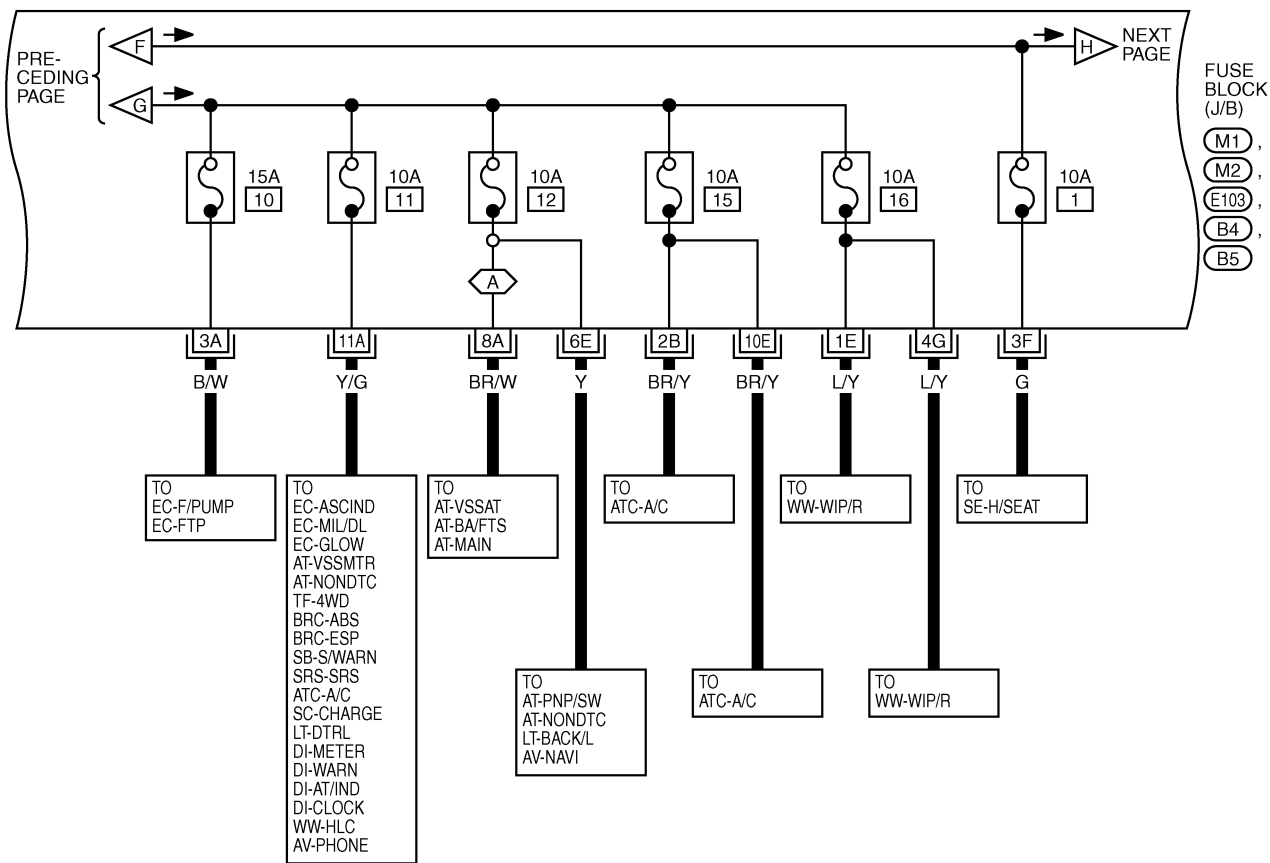
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POWER SUPPLY ROUTING

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 : WITH A/T



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REFER TO THE FOLLOWING.

M1 , M2 , E103 , B4 ,
B5 -FUSE BLOCK-JUNCTION
BOX (J/B)

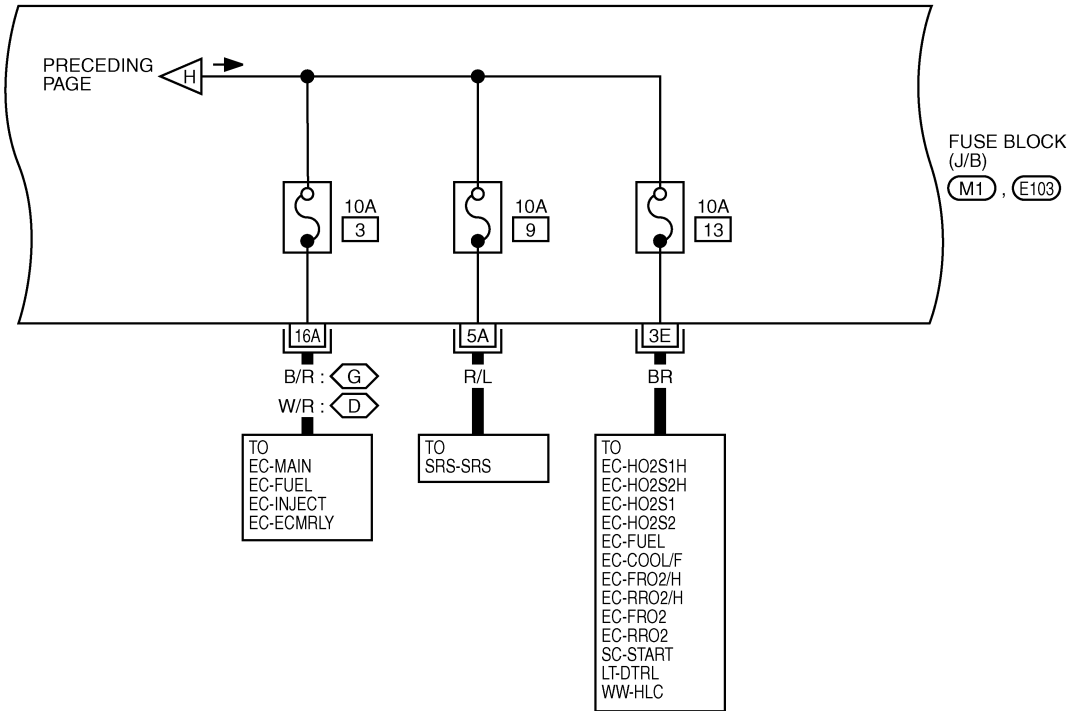
28		20	15	10	5
	24	19	14	9	4
27	23	18	13	8	3
26	22	17	12	7	2
25	21	16	11	6	1

UP



TKWB2806E

G : WITH GASOLINE ENGINE
D : WITH DIESEL ENGINE



REFER TO THE FOLLOWING.

(M1), (E103) -FUSE BLOCK-JUNCTION BOX (J/B)

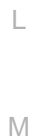
28		20	15	10	5
	24	19	14	9	4
27	23	18	13	8	3
26	22	17	12	7	2
25	21	16	11	6	1

UP



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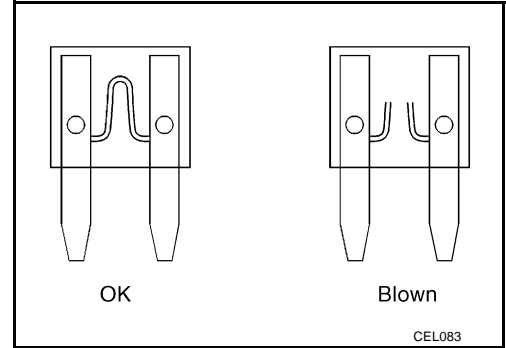
28		20	15	10	5
	24	19	14	9	4
27	23	18	13	8	3
26	22	17	12	7	2
25	21	16	11	6	1

POWER SUPPLY ROUTING

Fuse

BKS000RZ

- If fuse is blown, be sure to eliminate cause of malfunction before installing new fuse.
- Use fuse of specified rating. Never use fuse of more than specified rating.
- Do not partially install fuse; always insert it into fuse holder properly.
- Remove fuse for "ELECTRICAL PARTS (BAT)" if vehicle is not used for a long period of time.



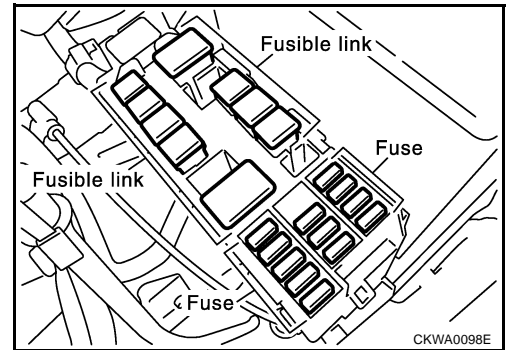
Fusible Link

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A melted fusible link can be detected either by visual inspection or by feeling with finger tip. If its condition is questionable, use circuit tester or test lamp.

CAUTION:

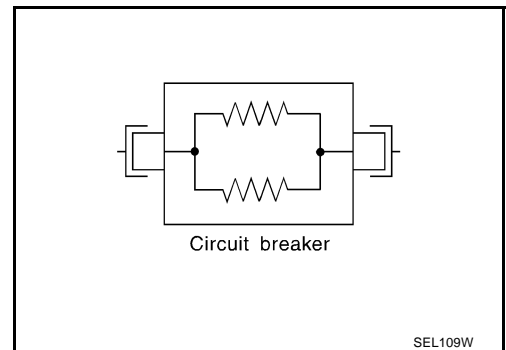
- If fusible link should melt, it is possible that critical circuit (power supply or large current carrying circuit) is shorted. In such a case, carefully check and eliminate cause of malfunction.
- Never wrap outside of fusible link with vinyl tape. Important: Never let fusible link touch any other wiring harness, vinyl or rubber parts.



Circuit Breaker

BKS000S1

The PTC thermistor generates heat in response to current flow. The temperature (and resistance) of the thermistor element varies with current flow. Excessive current flow will cause the element's temperature to rise. When the temperature reaches a specified level, the electrical resistance will rise sharply to control the circuit current. Reduced current flow will cause the element to cool. Resistance falls accordingly and normal circuit current flow is allowed to resume.

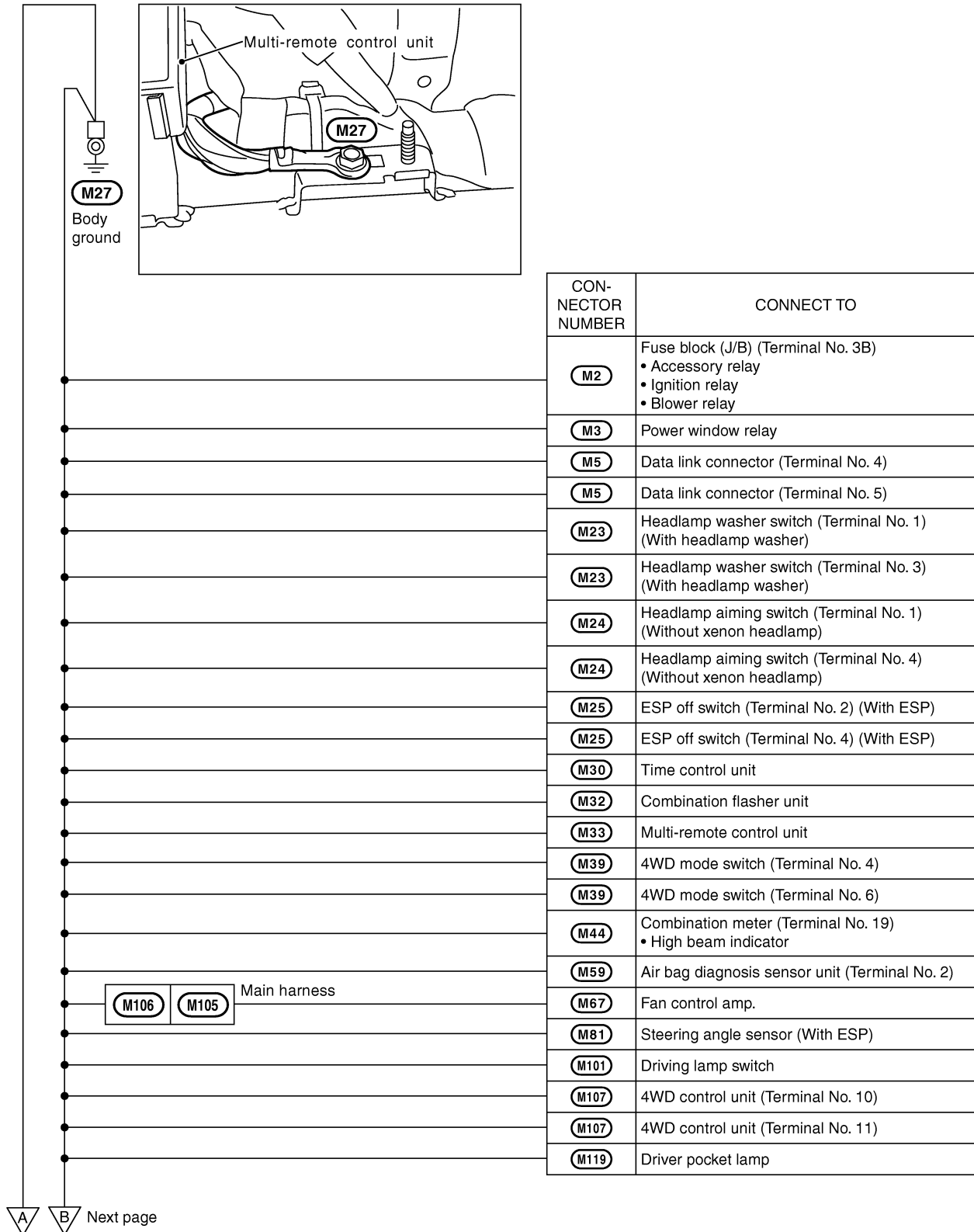


GROUND

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Ground Distribution
MAIN HARNESS/LHD MODELS

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PG

GROUND

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M22 D2

Front door harness LH

CON- NECTOR NUMBER	CONNECT TO
D3	Door mirror actuator (Driver side)
D6	Power window main switch
D8	Door key cylinder switch (Driver side)
D9	Front door lock actuator (Driver side)

CON- NECTOR NUMBER	CONNECT TO
M111	Transfer unit (Terminal No. 25) (With NAVI)
M111	Transfer unit (Terminal No. 27) (With NAVI)
M112	Display (Terminal No. 22) (With NAVI)
M112	Display (Terminal No. 24) (With NAVI)
M113	NAVI switch (Terminal No. 3) (With NAVI)
M113	NAVI switch (Terminal No. 7) (With NAVI)
M116	NAVI control unit (With NAVI)
M123	TMC tuner (With NAVI)

CON- NECTOR NUMBER	CONNECT TO
M8	Cigarette lighter relay (Without front power socket) (Center console)
M26	Door mirror remote control switch (Terminal No. 12)
M26	Door mirror remote control switch (Terminal No. 15)
M35	Front power socket (Driver box)
M37	Mode door motor
M38	Air mix door motor
M44	Combination meter (Terminal No. 21) • CPU
M45	Combination meter (Terminal No. 46) • ESP off warning lamp • SLIP warning lamp
M45	Combination meter (Terminal No. 63) • Meter illumination • Odo/trip meter illumination
M45	Combination meter (Terminal No. 64) • Turn signal • Front fog • Rear fog
M47	Intake door motor

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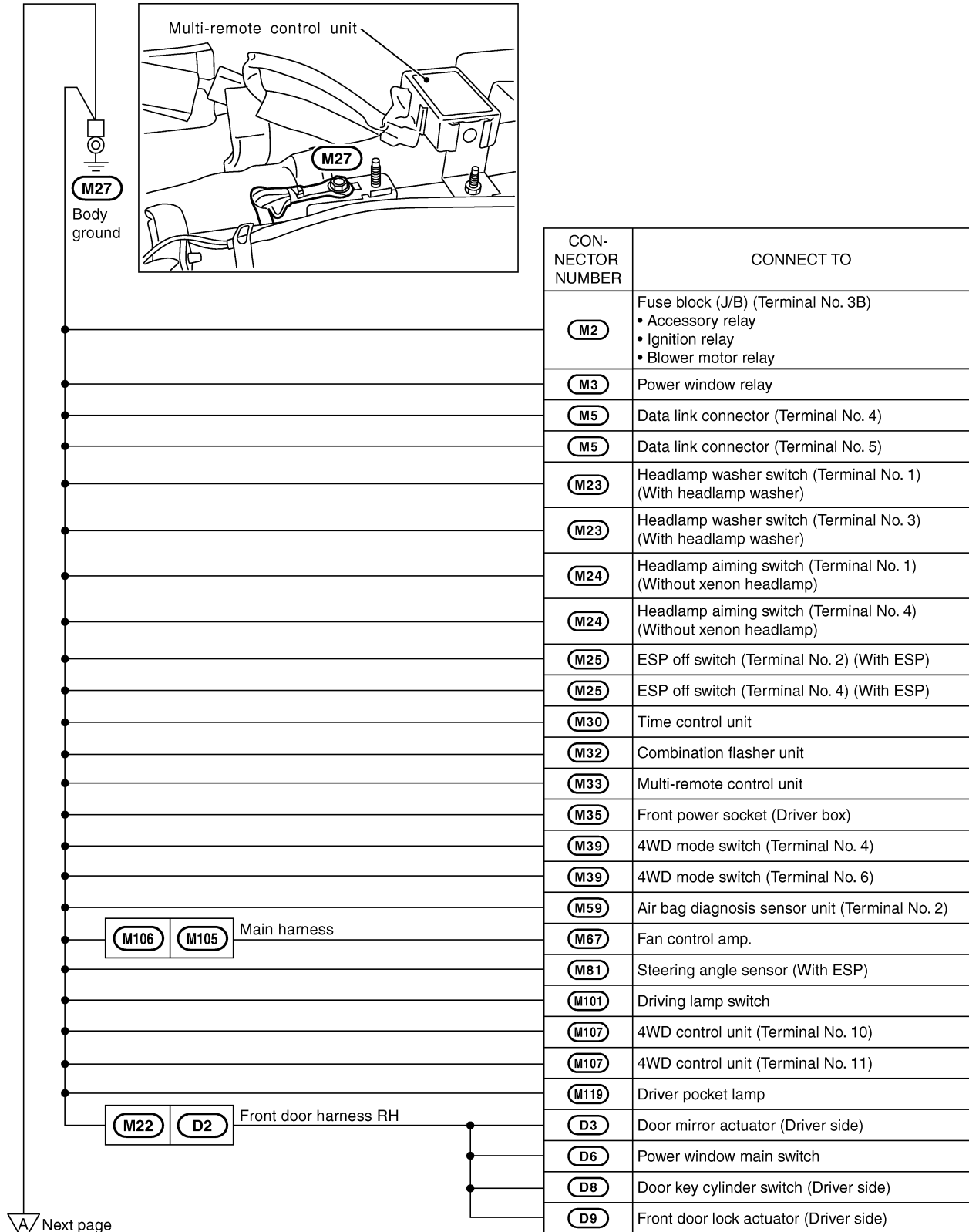
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GROUND

MAIN HARNESS/RHD MODELS



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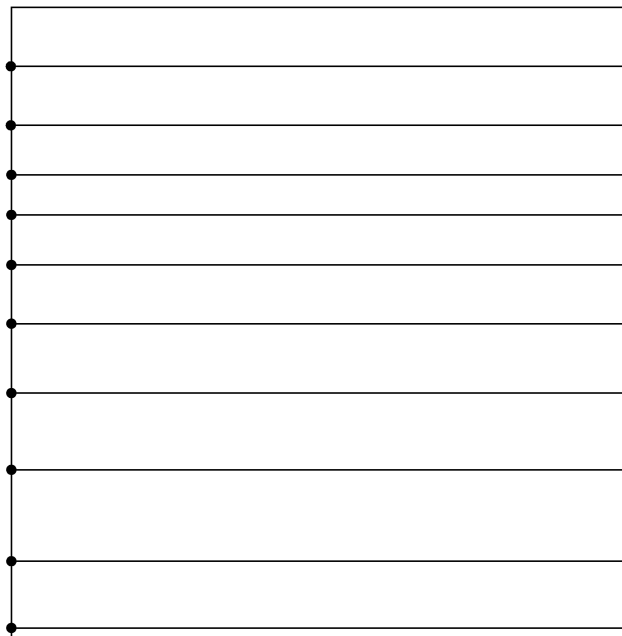
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CON- NECTOR NUMBER	CONNECT TO
M111	Transfer unit (Terminal No. 25) (With NAVI)
M111	Transfer unit (Terminal No. 27) (With NAVI)
M112	Display (Terminal No. 22) (With NAVI)
M112	Display (Terminal No. 24) (With NAVI)
M113	NAVI switch (Terminal No. 3) (With NAVI)
M113	NAVI switch (Terminal No. 7) (With NAVI)
M116	NAVI control unit (Terminal No. 1) (With NAVI)
M116	NAVI control unit (Terminal No. 4) (With NAVI)
M123	TMC tuner (With NAVI)

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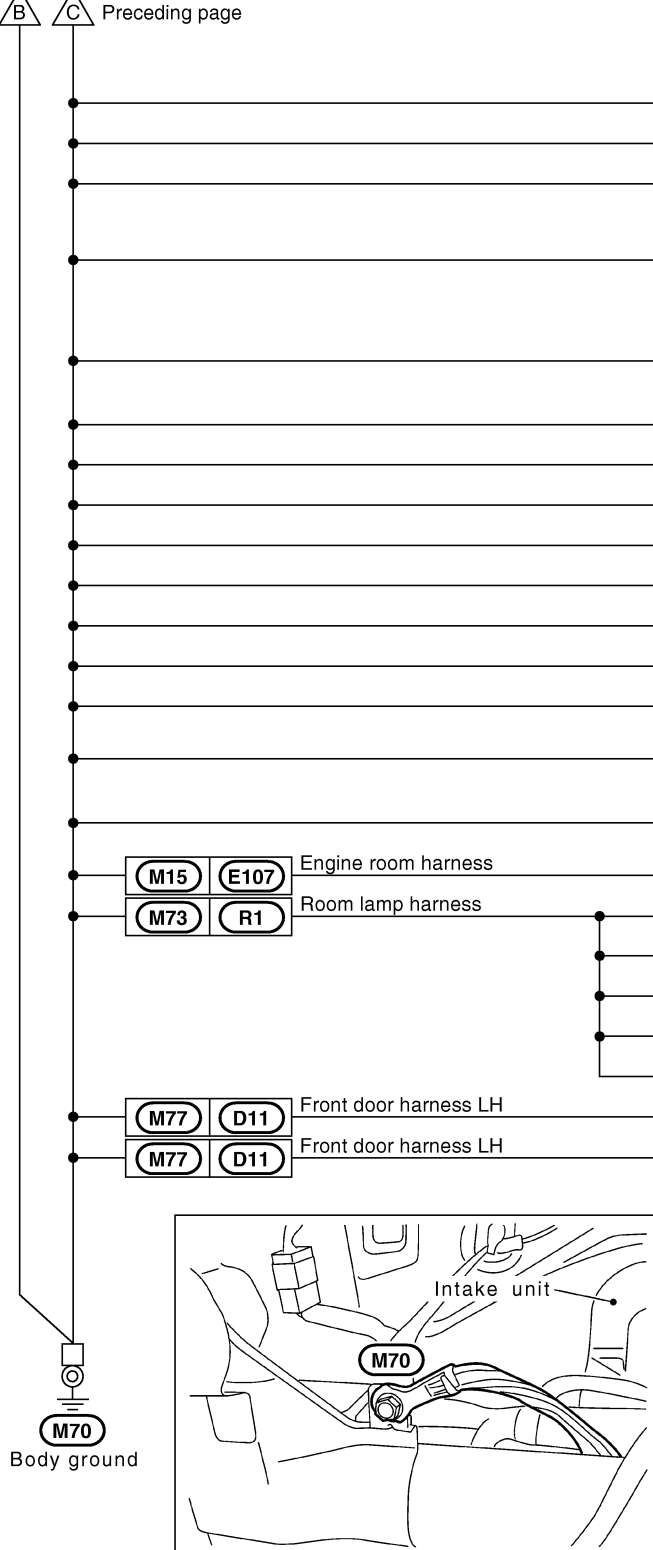


CON- NECTOR NUMBER	CONNECT TO
M8	Cigarette lighter relay (Without front power socket) (Center console)
M26	Door mirror remote control switch (Terminal No. 12)
M26	Door mirror remote control switch (Terminal No. 15)
M37	Mode door motor
M38	Air mix door motor
M44	Combination meter (Terminal No. 19) • High beam indicator
M44	Combination meter (Terminal No. 21) • CPU
M45	Combination meter (Terminal No. 46) • ESP off warning lamp • SLIP warning lamp
M45	Combination meter (Terminal No. 63) • Meter illumination • Odo/trip meter illumination
M45	Combination meter (Terminal No. 64) • Turn signal • Front fog • Rear fog
M47	Intake door motor

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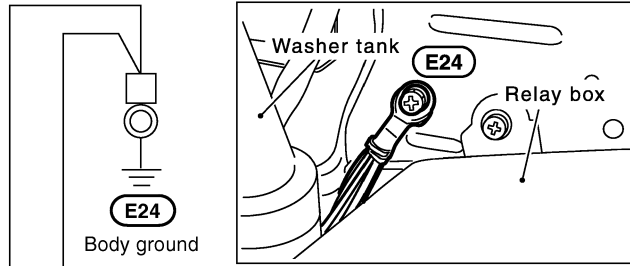


CON- NECTOR NUMBER	CONNECT TO
(M51)	Hazard switch
(M52)	A/C auto amp. (Terminal No. 3)
(M52)	A/C auto amp. (Terminal No. 11)
(M56)	Cigarette lighter socket and ashtray illumination (Terminal No. 2) • Cigarette lighter • Illumination
(M56)	Cigarette lighter socket and ashtray illumination (Terminal No. 6) • Ashtray illumination
(M58)	A/T device (Terminal No. 2)
(M58)	A/T device (Terminal No. 4)
(M58)	A/T device (Terminal No. 6)
(M80)	Dongle unit
(M118)	ECM (Terminal No. 114) (With diesel engine)
(M118)	ECM (Terminal No. 115) (With gasoline engine)
(M118)	ECM (Terminal No. 116) (With gasoline engine)
(M120)	Option connector for telephone
(M125)	Front power socket relay (Without cigarette lighter)
(M126)	Front power socket (Center console) (Without cigarette lighter)
(E109)	NATS IMMU
(R2)	Map lamp (Without sunroof)
(R3)	Sunroof switch
(R11)	Map lamp (With sunroof)
(R12)	Read lamp LH
(R13)	Read lamp RH
(D17)	Front door lock actuator (Passenger side)
(D14)	Door mirror actuator (Passenger side)

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GROUND

ENGINE ROOM HARNESS/LHD MODELS



CON- NECTOR NUMBER	CONNECT TO
(E7)	Front fog lamp relay
(E8)	Headlamp washer timer
(E9)	Cooling fan relay-2 (With diesel engine)
(E11)	Cooling fan relay-3
(E13)	Daytime light relay LH (With daytime light system)
(E15)	Rear fog lamp relay
(E16)	Daytime light relay RH (With daytime light system)
(E28)	Headlamp aiming motor RH
(E43)	Parking lamp LH
(E44)	Headlamp aiming motor LH
(E45)	Front fog lamp LH
(E46)	Headlamp LH (Without xenon headlamp)
(E79)	Headlamp RH (Terminal No. 3) (With xenon headlamp)
(E79)	Headlamp RH (Terminal No. 4) (With xenon headlamp)
(E129)	Driving lamp relay-2 (Terminal No. 2)
(E129)	Driving lamp relay-2 (Terminal No. 6)

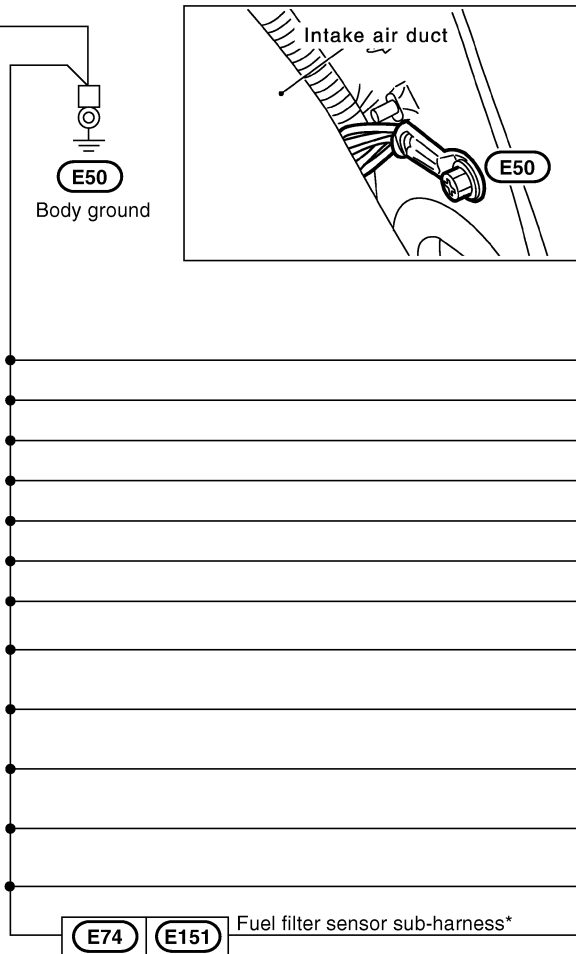
CON- NECTOR NUMBER	CONNECT TO
(E19)	Brake fluid level switch
(E20)	Side turn signal lamp RH
(E25)	Front turn signal lamp RH
(E47)	Front turn signal lamp LH
(E48)	Side turn signal lamp LH
(E77)	HID relay LH (With xenon headlamp)
(E78)	HID relay RH (With xenon headlamp)

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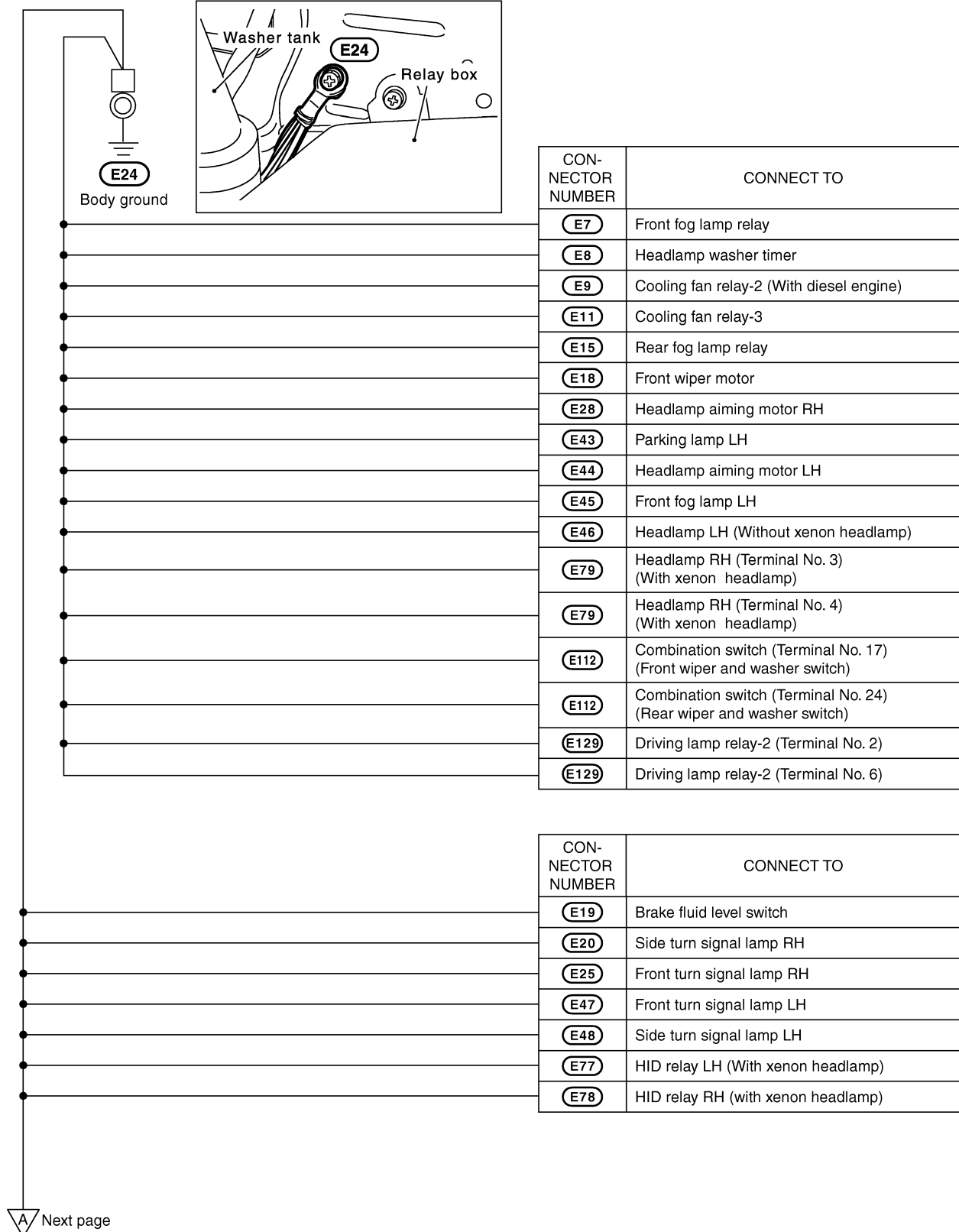


CON- NECTOR NUMBER	CONNECT TO
E18	Front wiper motor
E26	Headlamp RH (Without xenon headlamp)
E27	Front fog lamp RH
E29	Parking lamp RH
E41	Cooling fan motor-1
E42	Cooling fan motor-2
E54	Option connector for hood switch
E80	Headlamp LH (Terminal No. 3) (With xenon headlamp)
E80	Headlamp LH (Terminal No. 4) (With xenon headlamp)
E112	Combination switch (Terminal No. 17) (Front wiper and washer switch)
E112	Combination switch (Terminal No. 24) (Rear wiper and washer switch)
E115	Daytime light control unit (With daytime light system)
E152	Fuel filter sensor (With diesel engine)

*: This sub-harness is not shown in "HARNESS LAYOUT".

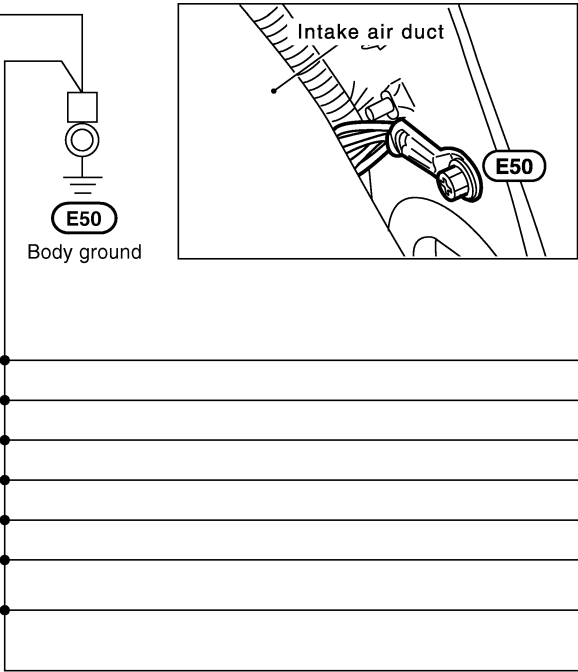
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ENGINE ROOM HARNESS/RHD MODELS



GROUND

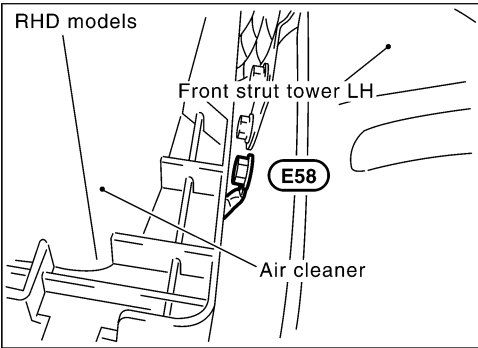
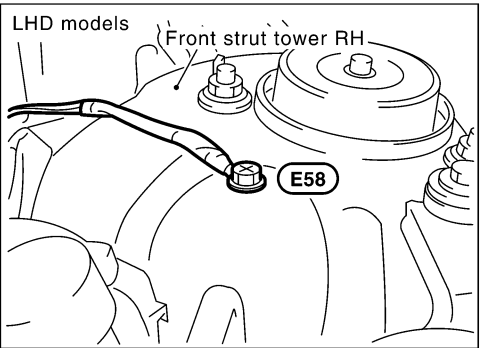
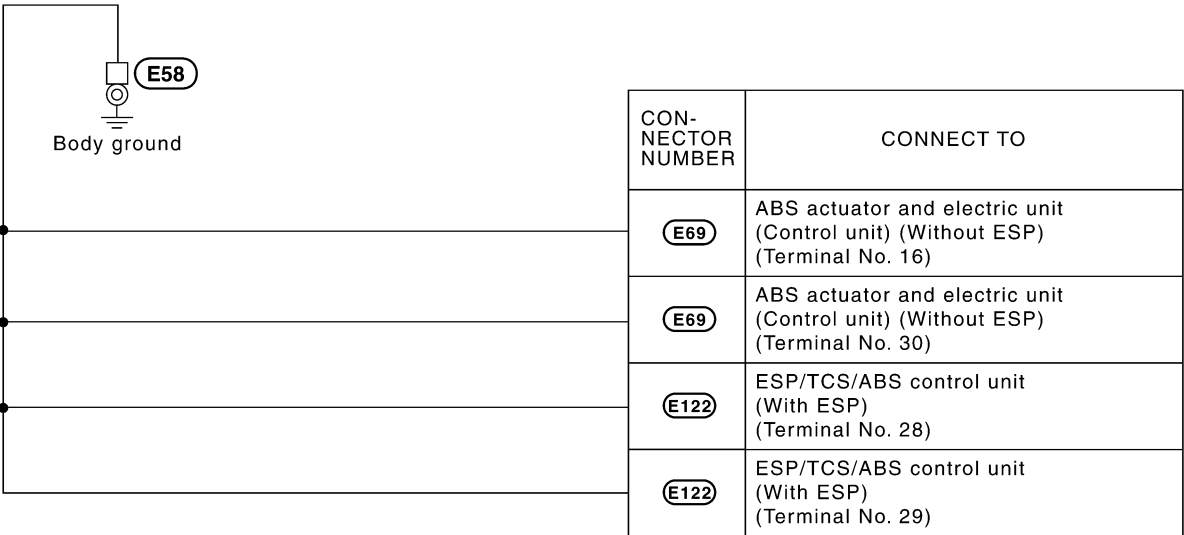
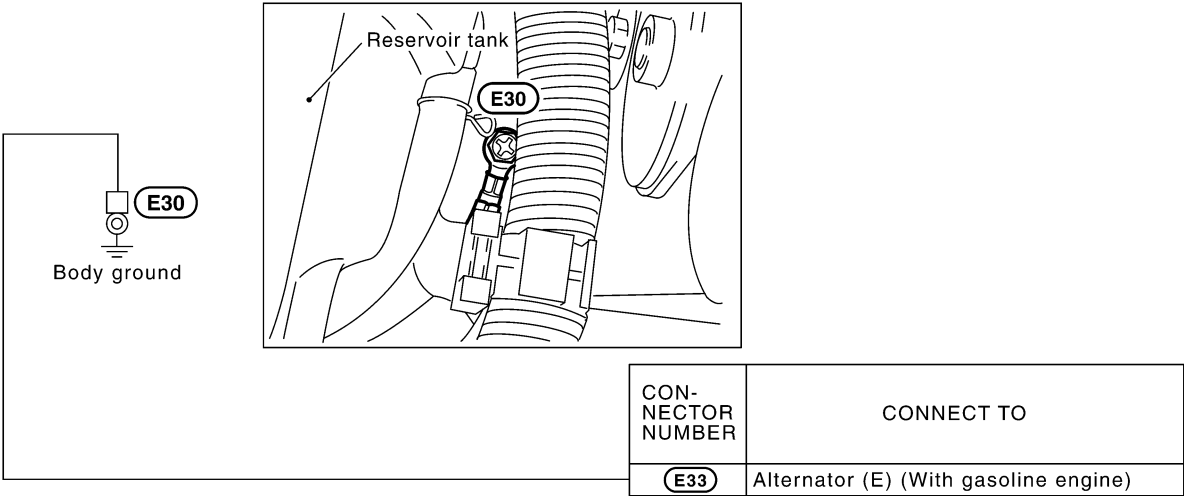
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CON- NECTOR NUMBER	CONNECT TO
E26	Headlamp RH (Without xenon headlamp)
E27	Front fog lamp RH
E29	Parking lamp RH
E41	Cooling fan motor-1
E42	Cooling fan motor-2
E54	Option connector for hood switch
E80	Headlamp LH (Terminal No. 3) (With xenon headlamp)
E80	Headlamp LH (Terminal No. 4) (With xenon headlamp)

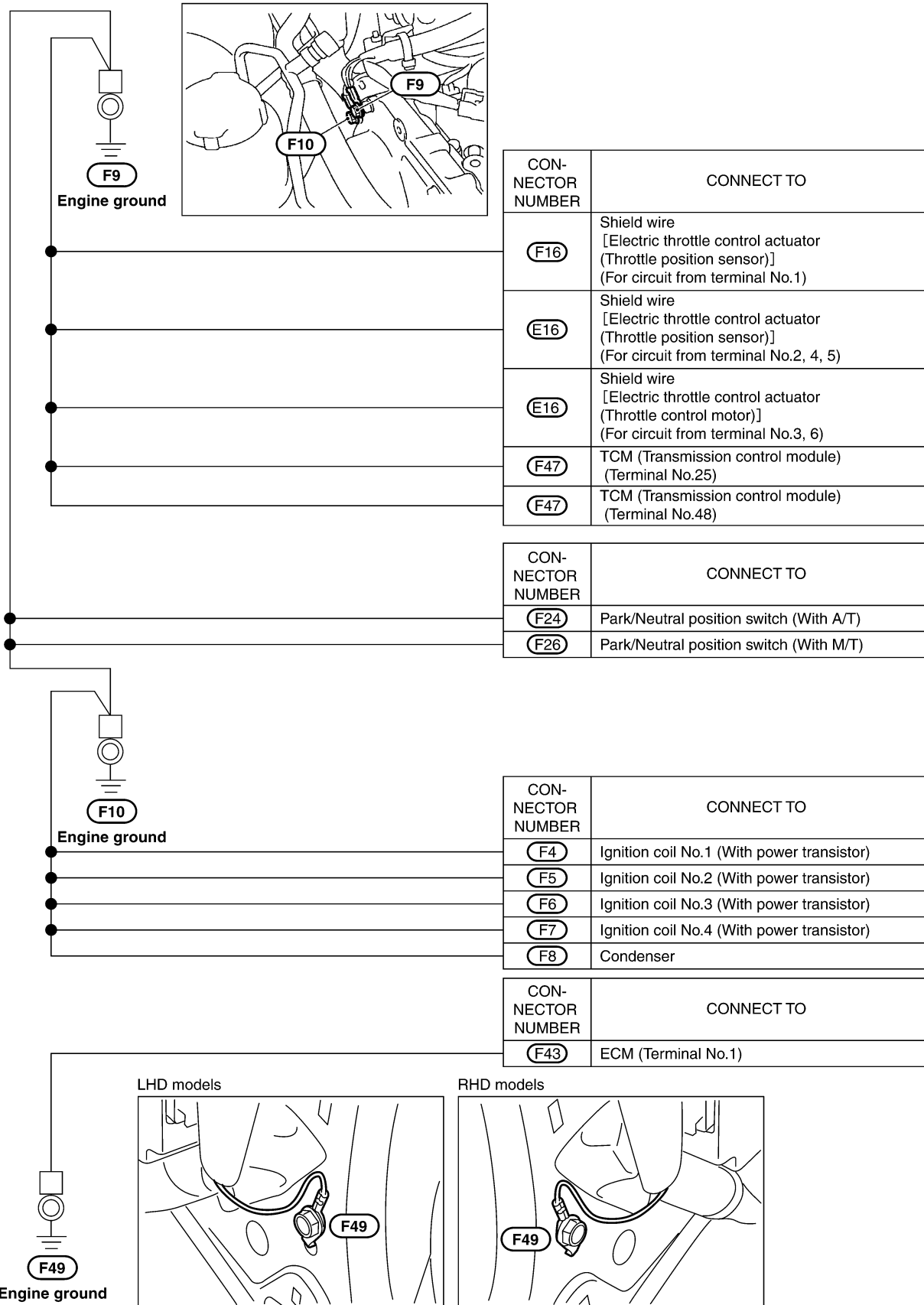
GROUND

ENGINE ROOM HARNESS



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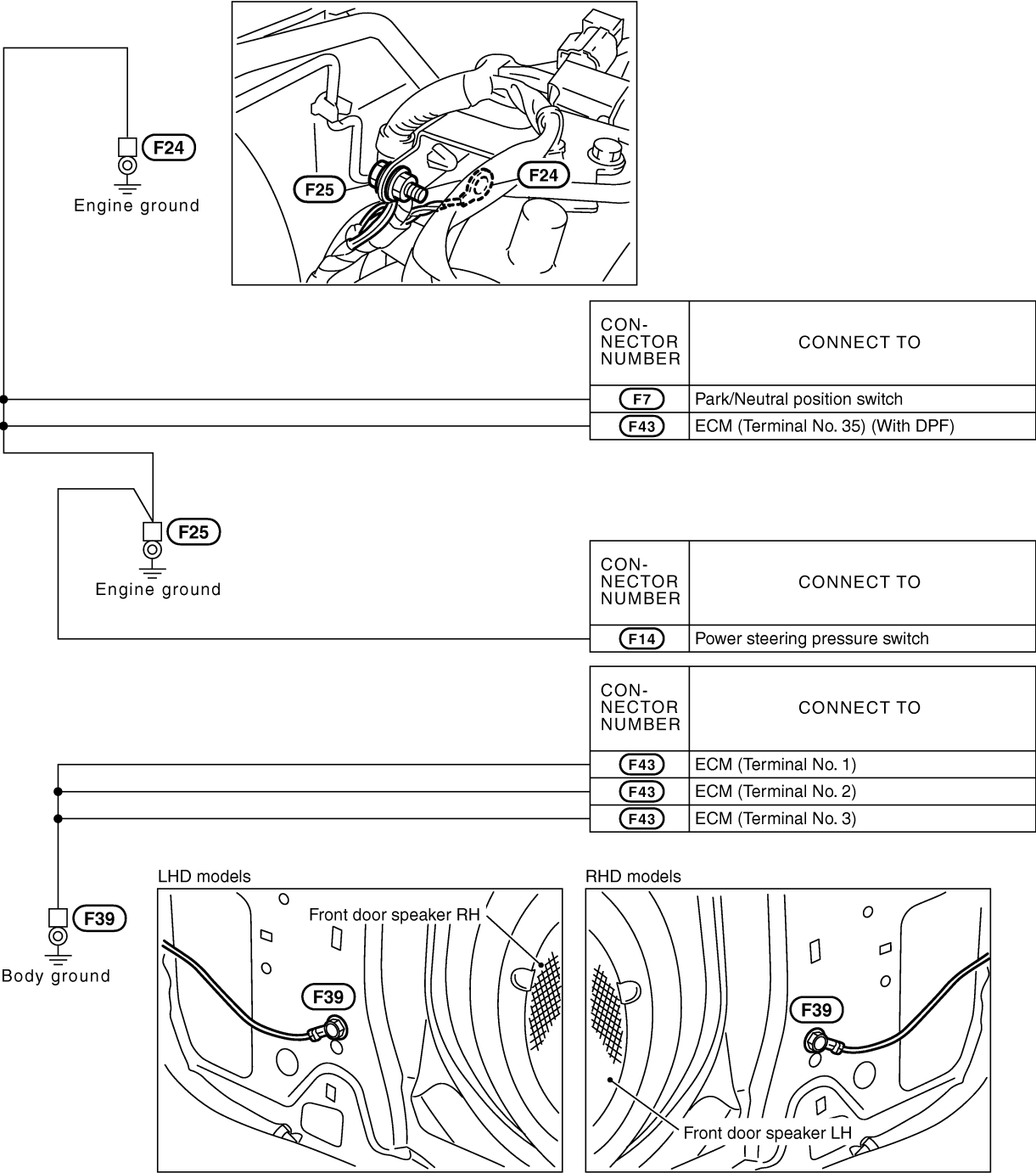
ENGINE CONTROL HARNESS/GASOLINE ENGINE MODELS



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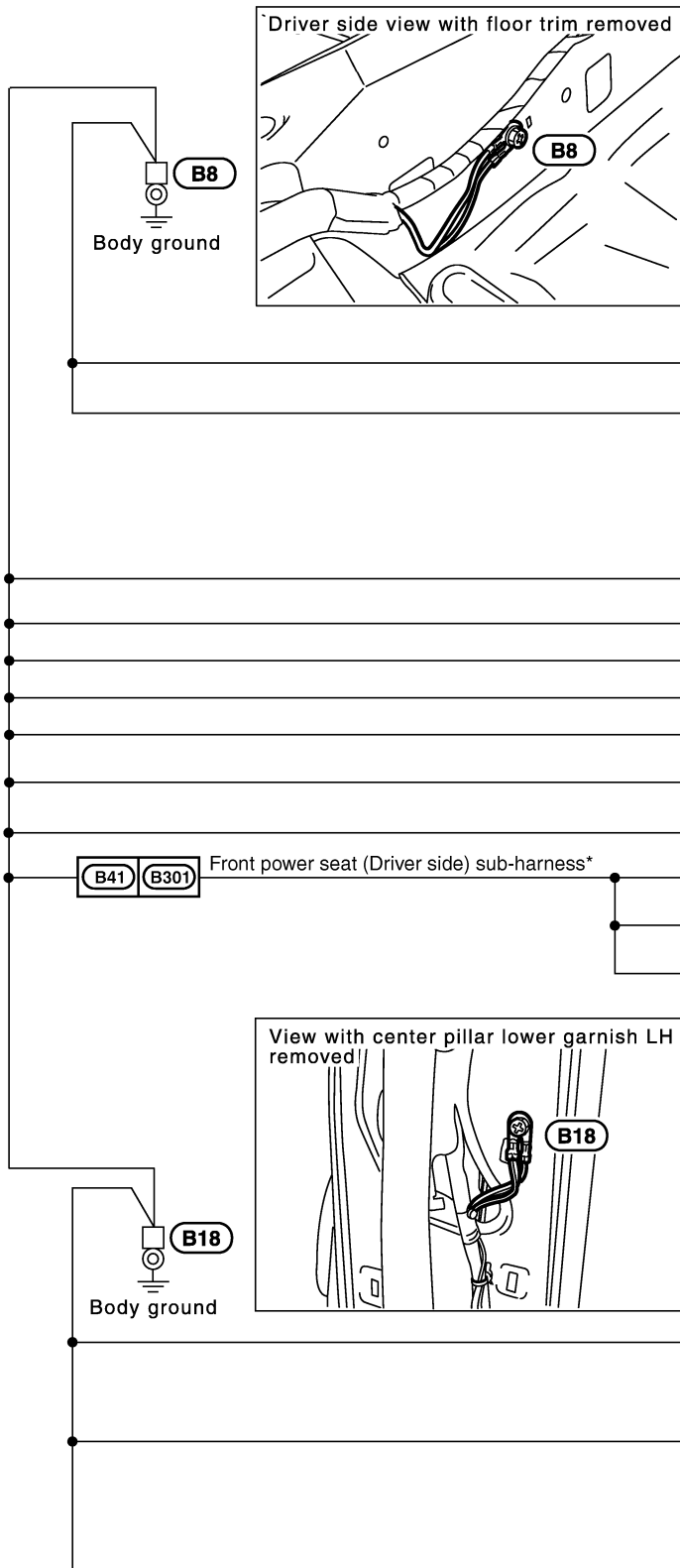
ENGINE CONTROL HARNESS/DIESEL ENGINE MODELS



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BODY HARNESS/LHD MODELS



CON- NECTOR NUMBER	CONNECT TO
B31	Fuel level sensor unit and fuel pump (With gasoline engine)
B32	Fuel level sensor unit (With diesel engine)

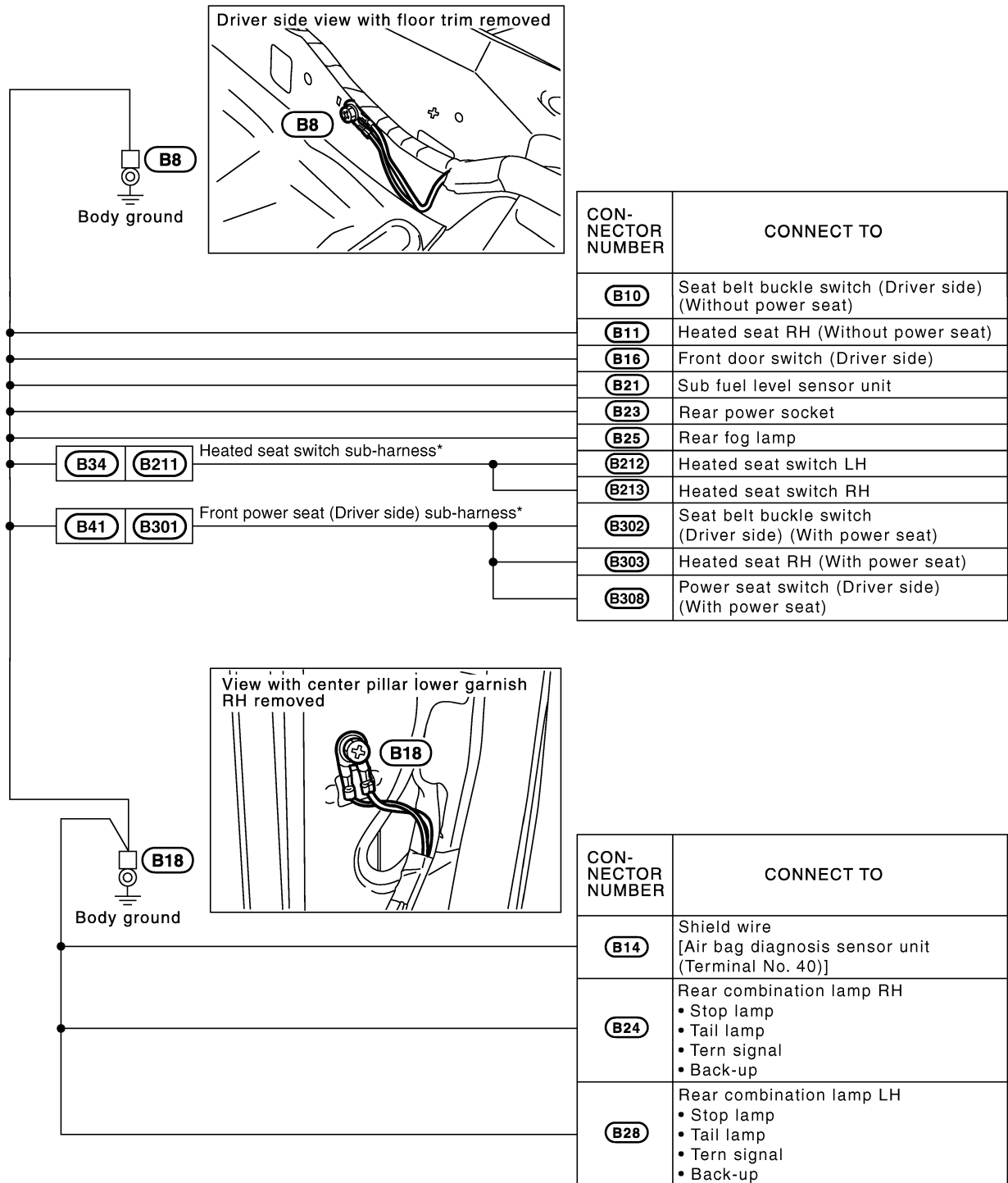
CON- NECTOR NUMBER	CONNECT TO
B10	Seat belt buckle switch (Driver side) (Without power seat)
B11	Heated seat LH (Without power seat)
B16	Front door switch (Driver side)
B23	Rear power socket
B25	Rear fog lamp
B31	Fuel level sensor unit and fuel pump (With gasoline engine)
B33	Condenser (with gasoline engine)
B302	Seat belt buckle switch (Driver side) (With power seat)
B303	Heated seat LH (With power seat)
B308	Power seat switch (Driver side) (With power seat)

*: This sub-harness is not shown in "HARNESS LAYOUT".

CON- NECTOR NUMBER	CONNECT TO
B14	Shield wire [Air bag diagnosis sensor unit (Terminal No. 44)]
B24	Rear combination lamp RH • Stop lamp • Tail lamp • Turn signal • Back-up
B28	Rear combination lamp LH • Stop lamp • Tail lamp • Turn signal • Back-up

GROUND

BODY HARNESS/RHD MODELS

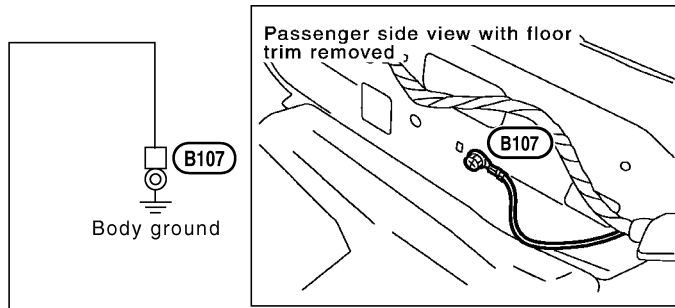


* : This sub-harness is not shown in "HARNESS LAYOUT".

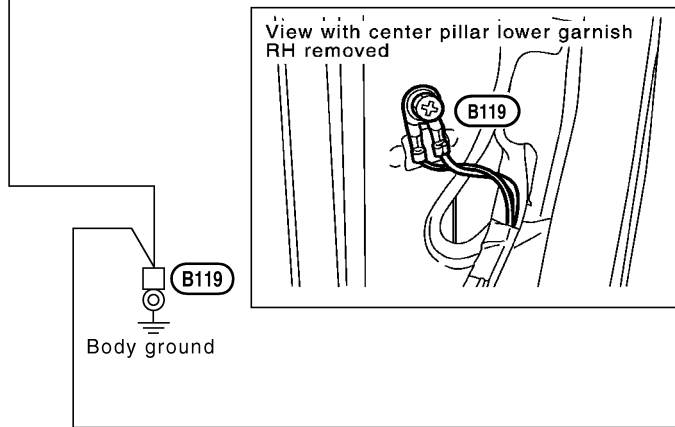
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GROUND

BODY NO. 2 HARNESS/LHD MODELS



CON-NECTOR NUMBER	CONNECT TO
B110	Heated seat RH (Without power seat)
B113	Seat belt buckle switch (Passenger side) (Without power seat)
B125	Sub fuel level sensor unit
B127	Fuel transport pump (With diesel engine)
B162	Height sensor (With xenon headlamp)
B212	Heated seat switch LH
B213	Heated seat switch RH
B352	Seat belt buckle switch (Passenger side) (With power seat)
B353	Heated seat RH (With power seat)
B356	Power seat switch (Passenger side) (With power seat)

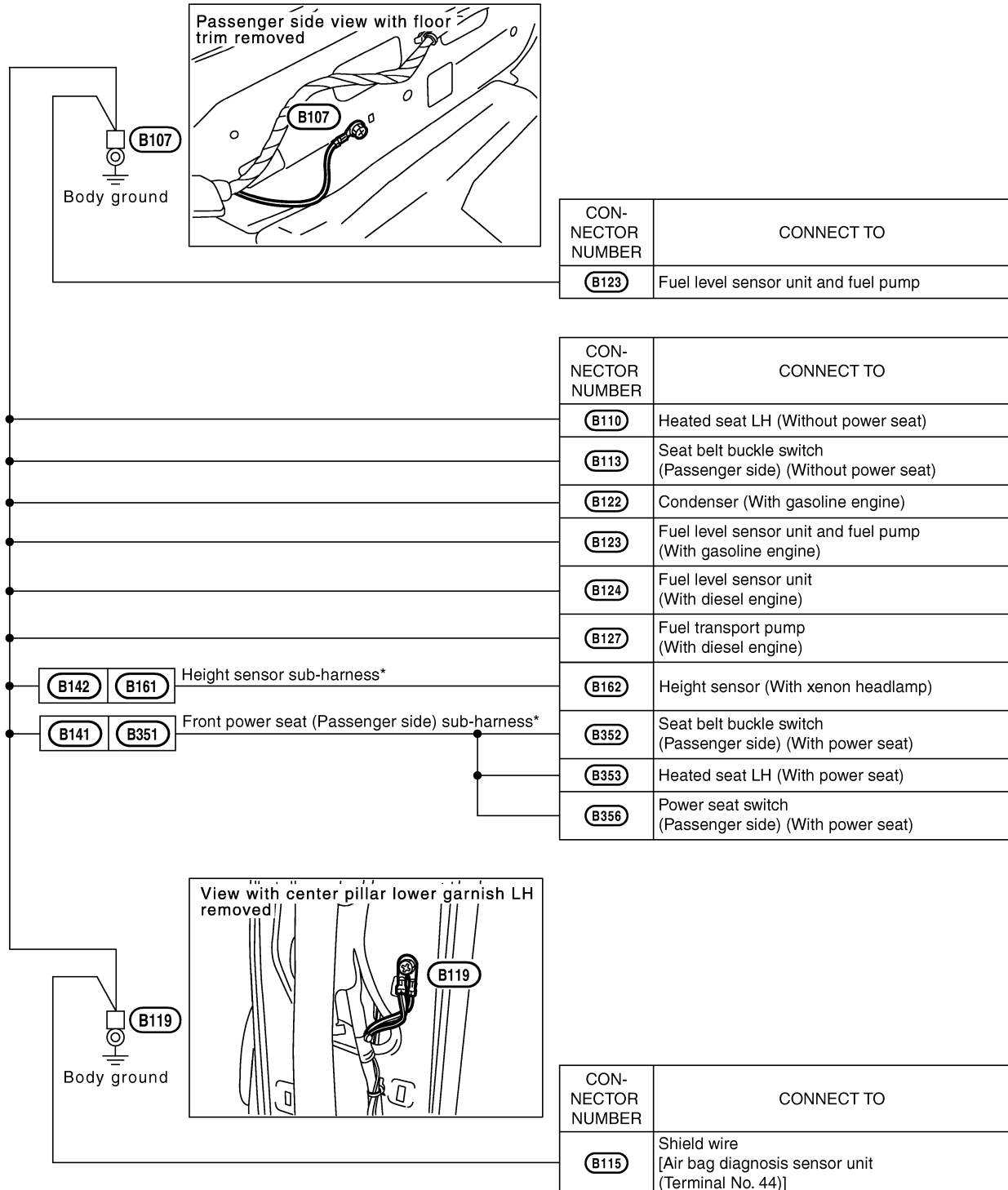


CON-NECTOR NUMBER	CONNECT TO
B115	Shield wire [Air bag diagnosis sensor unit (Terminal No. 40)]

* : This sub-harness is not shown in "HARNESS LAYOUT".

GROUND

BODY NO. 2 HARNESS/RHD MODELS

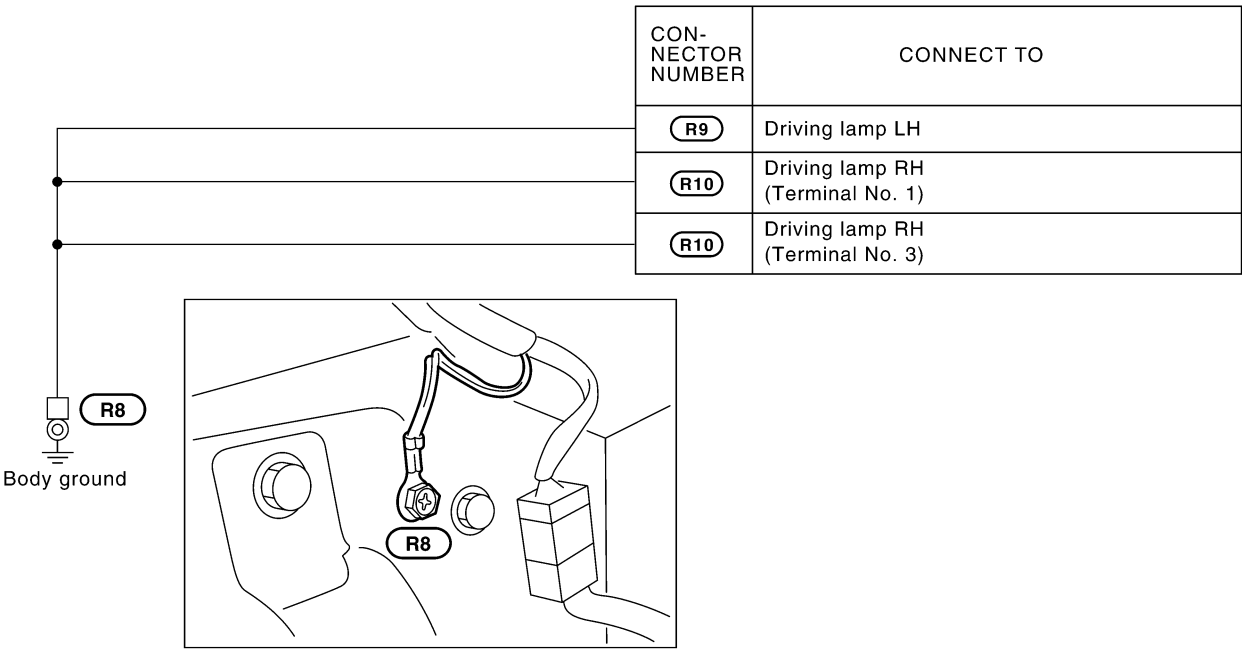


* : This sub-harness is not shown in "HARNESS LAYOUT".

CKIB0238E

GROUND

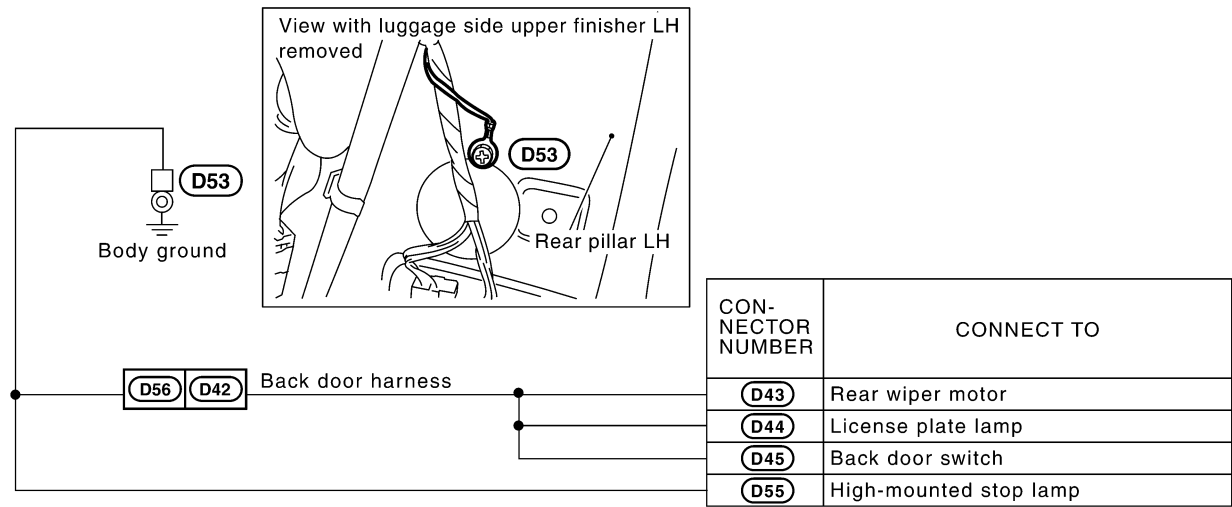
ROOM LAMP HARNESS



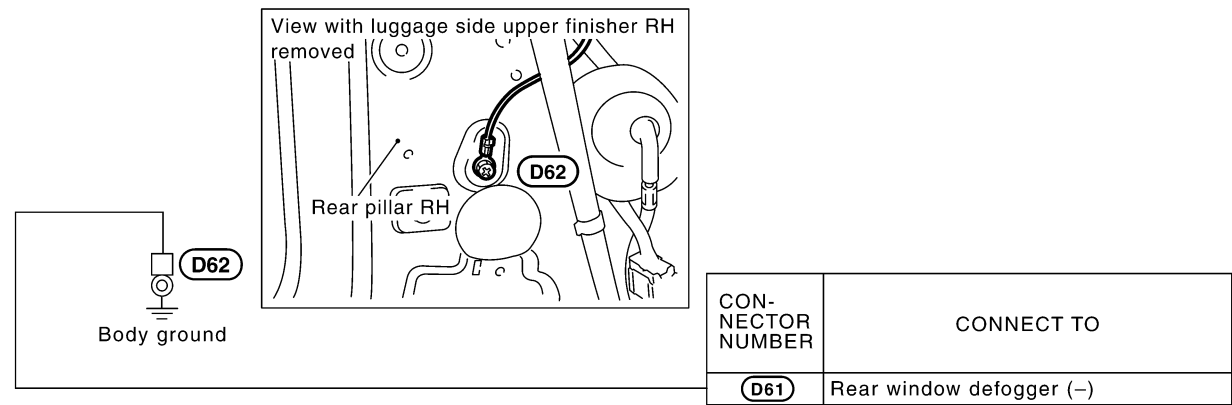
GROUND

BACK DOOR SUB HARNESS/REAR WINDOW DEFOGGER HARNESS

BACK DOOR SUB-HARNESS



REAR WINDOW DEFOGGER HARNESS



HARNESS

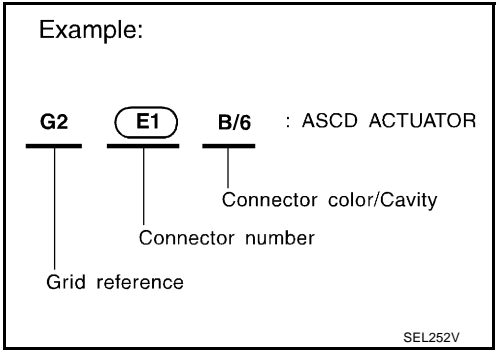
PFP:00011

Harness Layout
HOW TO READ HARNESS LAYOUTS

BKS000S3

The following Harness Layouts use a map style grid to help locate connectors on the figures:

- Main Harness
- Engine Room Harness



To Use the Grid Reference

1. Find the desired connector number on the connector list.
2. Find the grid reference.
3. On the figure, find the crossing of the grid reference letter column and number row.
4. Find the connector number in the crossing zone.
5. Follow the line (if used) to the connector.

CONNECTOR SYMBOL

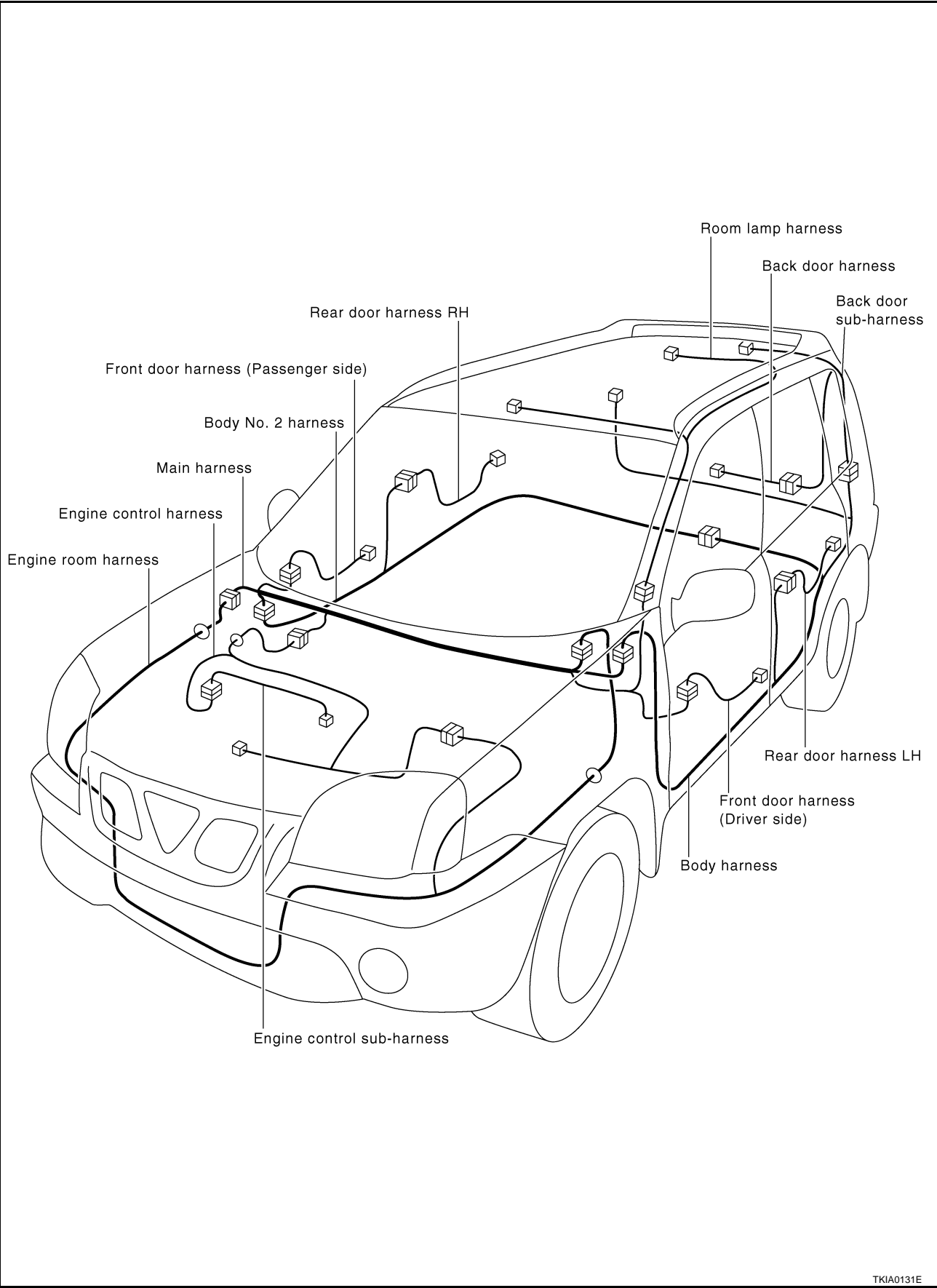
Main symbols of connector (in Harness Layout) are indicated in the below.

Connector type	Water proof type		Standard type	
	Male	Female	Male	Female
• Cavity: Less than 4 • Relay connector				
• Cavity: From 5 to 8				
• Cavity: More than 9	—	—		
• Ground terminal etc.	—			

SKIA0404E

HARNESS

OUTLINE/LHD MODELS

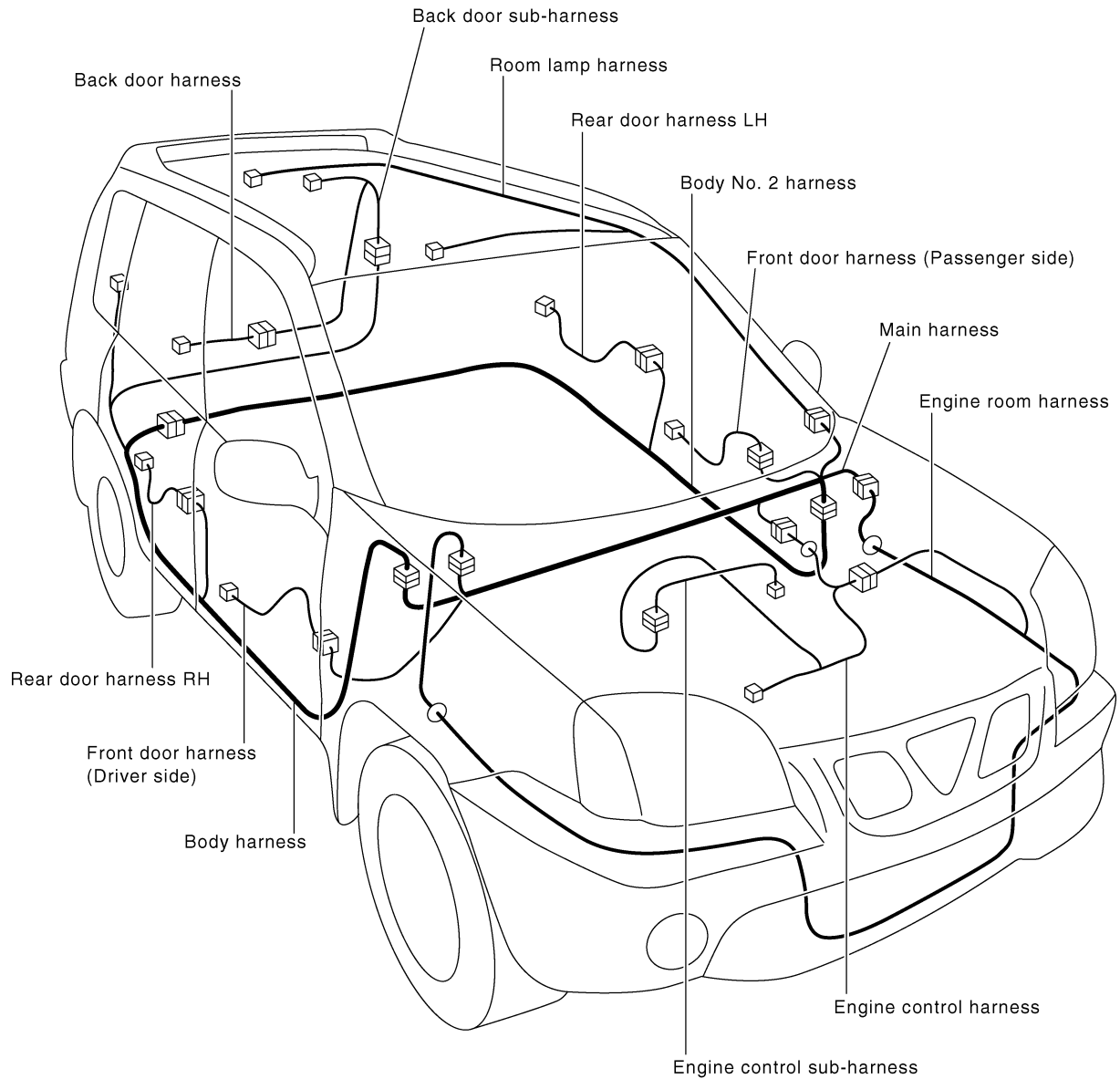


A
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TKIA0131E

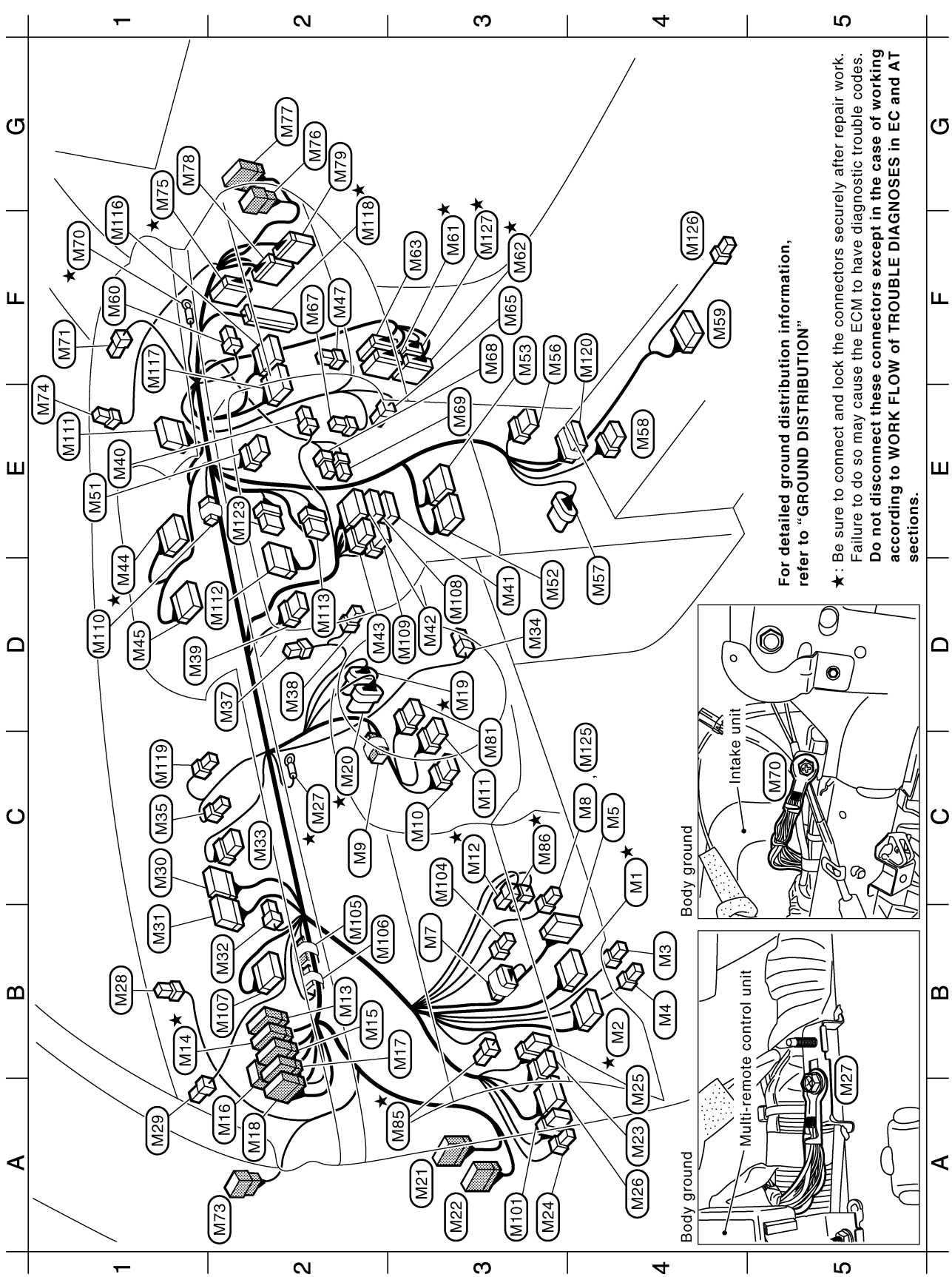
HARNESS

OUTLINE/RHD MODELS



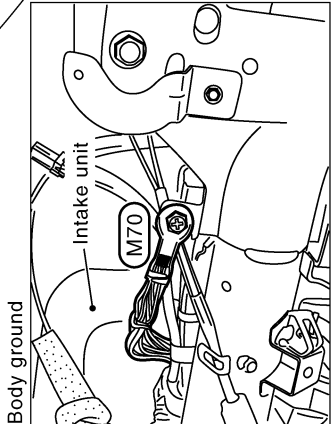
TKIA0132E

MAIN HARNESS/LHD MODELS

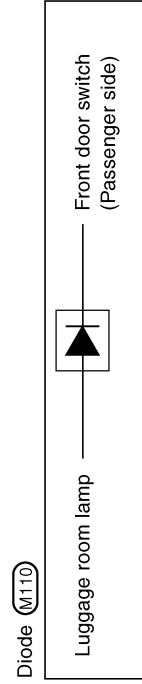


For detailed ground distribution information, refer to "GROUND DISTRIBUTION"

★: Be sure to connect and lock the connectors securely after repair work. Failure to do so may cause the ECM to have diagnostic trouble codes. Do not disconnect these connectors except in the case of working according to WORK FLOW of TROUBLE DIAGNOSES in EC and AT sections.

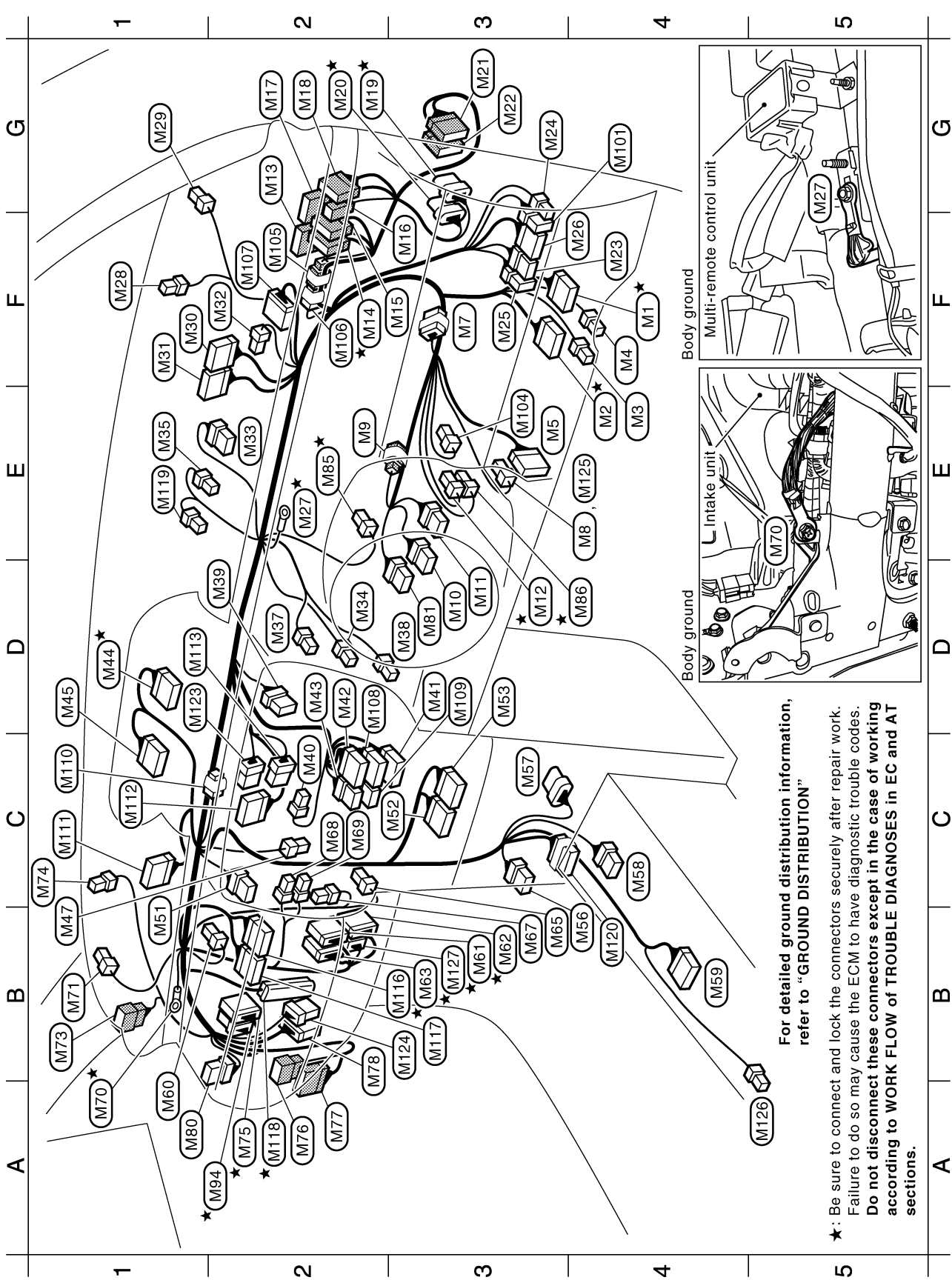


★ C4	(M1) W/16 : Fuse block (J/B)	D2	(M37) W/3 : Mode door motor	G2	(M76) BR/8 : To (D12)
B4	★ (M2) W/10 : Fuse block (J/B)	D2	(M38) W/3 : Air mix door motor	G2	(M77) W/12 : To (D11)
B4	(M3) L/4 : Power window relay	D1	(M39) GY/8 : 4WD mode switch	G1	(M78) W/12 : To (B105)
B4	(M4) W/2 : Circuit breaker (PTC)	E1	(M40) W/2 : Antenna amp.	G2	(M79) W/10 : To (B106)
C4	(M5) W/16 : Data link connector	D3	(M41) W/16 : Audio unit (Without NAVI)	C3	(M81) W/8 : Steering angle sensor (With ESP)
B3	(M7) W/6 : Option connector for theft warning system	D2	(M42) W/16 : Audio unit (With NAVI)	★ A3	(M85) L/2 : ASCD clutch switch
C4	(M8) L/4 : Cigarette lighter relay (Without front power socket) (Center console)	D1	★ (M43) W/8 : Audio unit (With NAVI)	★ C3	(M86) BR/2 : ASCD brake switch
C2	(M9) BR/2 : Key switch	D1	(M44) W/40 : Combination meter	A3	(M101) W/8 : Driving lamp switch
C3	(M10) Y/6 : Combination switch (Spiral cable)	D1	(M45) W/24 : Combination meter	C3	(M104) W/8 : Voice change relay
C3	(M11) GY/8 : Combination switch (Spiral cable)	F2	(M47) W/3 : Intake door motor	B2	(M105) B/2 : To (M106)
C3	★ (M12) W/4 : Stop lamp switch (With A/T)	E1	(M51) W/8 : Hazard switch	B2	(M106) B/2 : To (M105)
B2	(M13) W/12 : To (E105)	D3	(M52) GY/20 : A/C auto amp.	B2	(M107) W/16 : 4WD control unit
B1	★ (M14) BR/16 : To (E106)	F3	(M53) GY/16 : A/C auto amp.	D3	(M108) W/10 : Audio unit (Without NAVI)
B2	(M15) W/16 : To (E107)	F3	(M56) GY/6 : Cigarette lighter socket and ashtray illumination	D3	(M109) W/6 : Audio unit (Without NAVI)
A2	(M16) W/6 : To (E3)			D1	(M110) W/2 : Diode
B3	(M17) W/10 : To (B1)	D4	(M57) W/5 : G sensor (4WD models without ESP)	E1	(M111) W/32 : Transfer unit (With NAVI)
A2	(M18) BR/20 : To (B2)	E4	(M58) W/6 : A/T device	D2	(M112) GY/24 : Display (With NAVI)
D3	★ (M19) GY/6 : Accelerator pedal position sensor (With gasoline engine)	F4	(M59) Y/20 : Air bag diagnosis sensor unit	D2	(M113) W/8 : NAVI switch (With NAVI)
C2	★ (M20) GY/6 : Accelerator work unit (With diesel engine)	F1	(M60) Y/2 : Front passenger air bag module	F1	(M116) W/40 : NAVI control unit (With NAVI)
A3	(M21) W/16 : To (D1)	F3	★ (M61) BR/24 : To (F41) (With gasoline engine)	F1	(M117) W/32 : NAVI control unit (With NAVI)
A3	(M22) BR/12 : To (D2)	F3	★ (M62) W/16 : To (F42) (With gasoline engine)	F2	★ (M118) SMJ : ECM
A4	(M23) GY/8 : Headlamp washer switch	F3	(M63) W/16 : To (F30) (With diesel engine)	C1	(M119) W/2 : Driver pocket lamp
A3	(M24) W/4 : Headlamp aiming switch (Without xenon headlamp)	F3	(M65) W/2 : Blower motor	F4	(M120) W/12 : Option connector for telephone
A4	(M25) GY/6 : ESP off switch (With ESP)	F2	(M67) W/4 : Fan control amp.	E2	(M123) W/8 : TMC tuner (With NAVI)
A4	(M26) W/16 : Door mirror remote control switch	F3	(M68) W/4 : Intake sensor (With gasoline engine)	C4	(M125) L/4 : Front power socket relay (Without cigarette lighter)
C2	★ (M27) — : Body ground	E3	(M69) W/2 : Intake sensor (With diesel engine)	F4	(M126) W/2 : Front power socket (Center console)
B1	(M28) BR/2 : Security indicator lamp	F1	★ (M70) — : Body ground	F3	★ (M127) GY/6 : To (F50) (With diesel engine)
A1	(M29) BR/2 : Tweeter LH	F1	(M71) BR/2 : Tweeter RH		
C1	(M30) GY/16 : Time control unit	A2	(M73) W/8 : To (R1)		
B1	(M31) GY/20 : Time control unit	E1	(M74) B/2 : Sunload sensor		
B2	(M32) B/3 : Combination flasher unit	G1	★ (M75) BR/20 : To (E116)		
C2	(M33) BR/8 : Multi-remote control unit				
D3	(M34) W/2 : In-vehicle sensor				
C1	(M35) B/2 : Front power socket				



★ : Be sure to connect and lock the connectors securely after repair work.
 Failure to do so may cause the ECM to have diagnostic trouble codes.
Do not disconnect these connectors except in the case of working according to WORK FLOW of TROUBLE DIAGNOSES in EC and AT sections.

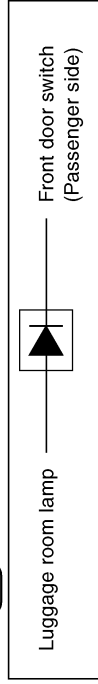
MAIN HARNESS/RHD MODELS



TKIB0666E

★ F4	(M1)	W/16 : Fuse block (J/B)	D2	(M37)	W/3 : Mode door motor	A2	(M77)	W/12 : To (D11)
E4	★ (M2)	W/10 : Fuse block (J/B)	D3	(M38)	W/3 : Air mix door motor	B2	(M78)	BR/16 : To (B105)
E4	(M3)	L/4 : Power window relay	D2	(M39)	GY/8 : 4WD mode switch	A1	(M80)	BR/8 : Dongle unit
F4	(M4)	W/2 : Circuit breaker (PTC)	C2	(M40)	W/2 : Antenna amp.	D3	(M81)	W/8 : Steering angle sensor (With ESP)
E3	(M5)	W/16 : Data link connector	D3	(M41)	W/16 : Audio unit (Without NAVI)	E2	★ (M85)	L/2 : ASCD clutch switch
F3	(M7)	W/6 : Option connector for theft warning system	D2	(M42)	W/16 : Audio unit (With NAVI)	D4	★ (M86)	BR/2 : ASCD brake switch
E4	(M8)	L/4 : Cigarette lighter relay (Without front power socket) (Center console)	D2	★ (M43)	W/8 : Audio unit (With NAVI)	A2	★ (M94)	W/8 : To (E125)
E2	(M9)	BR/2 : Key switch	D1	(M44)	W/40 : Combination meter	G4	(M101)	W/8 : Driving lamp switch
D3	(M10)	Y/6 : Combination switch (Spiral cable)	D1	(M45)	W/24 : Combination meter	E3	(M104)	W/8 : Voice change relay
D3	(M11)	GY/8 : Combination switch (Spiral cable)	B1	(M47)	W/3 : Intake door motor	F2	(M105)	B/2 : To (M106)
D3	★ (M12)	W/4 : Stop lamp switch (With A/T)	B1	(M51)	W/8 : Hazard switch	F2	(M106)	B/2 : To (M105)
G2	(M13)	BR/12 : To (E105)	C3	(M52)	GY/20 : A/C auto amp.	F2	(M107)	W/16 : 4WD control unit
F2	★ (M14)	W/20 : To (E106)	C4	(M53)	GY/16 : A/C auto amp.	D2	(M108)	W/10 : Audio unit (Without NAVI)
F3	(M15)	W/12 : To (E107)	B4	(M56)	GY/6 : Cigarette lighter socket and ashtray illumination	D3	(M109)	W/6 : Audio unit (Without NAVI)
F3	(M16)	W/4 : To (E1)	A1	(M60)	Y/2 : Front passenger air bag module	C1	(M110)	W/2 : Diode
G2	(M17)	W/12 : To (B1)	B3	★ (M61)	BR/24 : To (F41) (With gasoline engine)	C1	(M111)	W/32 : Transfer unit (With NAVI)
G2	(M18)	BR/20 : To (B2)	B3	★ (M62)	W/16 : To (F42) (With gasoline engine)	D1	(M112)	GY/24 : Display (With NAVI)
G2	★ (M19)	GY/6 : Accelerator pedal position sensor (With gasoline engine)	B3	★ (M63)	W/16 : To (F30) (With diesel engine)	B3	(M113)	W/8 : NAVI switch (With NAVI)
G2	★ (M20)	GY/6 : Accelerator work unit (With diesel engine)	B3	(M65)	W/2 : Blower motor	B3	(M116)	W/40 : NAVI control unit (With NAVI)
G3	(M21)	W/18 : To (D1)	B3	(M67)	W/4 : Fan control amp.	A2	★ (M117)	W/32 : NAVI control unit (With NAVI)
G3	(M22)	BR/12 : To (D2)	C2	(M68)	W/4 : Intake sensor (With gasoline engine)	E1	(M118)	SMJ : ECM
F4	(M23)	GY/8 : Headlamp washer switch	C2	(M69)	W/2 : Intake sensor (With diesel engine)	B4	(M119)	W/2 : Driver pocket lamp
G3	(M24)	W/4 : Headlamp aiming switch (Without xenon headlamp)	A1	★ (M70)	— : Body ground	D1	(M120)	W/12 : Option connector for telephone
F3	(M25)	GY/6 : ESP off switch (With ESP)	B1	(M71)	BR/2 : Tweeter LH	B3	(M123)	W/8 : TMC tuner (With NAVI)
F4	(M26)	W/16 : Door mirror remote control switch	B1	(M73)	W/8 : To (R1)	E4	(M124)	W/6 : To (B143)
E2	★ (M27)	— : Body ground	C1	(M74)	B/2 : Sunload sensor	A5	(M125)	L/4 : Front power socket relay (Without cigarette lighter) (Front power socket (Center console)
F1	(M28)	BR/2 : Security indicator lamp	A2	★ (M75)	BR/16 : To (E116)	B3	★ (M127)	GY/6 : To (F50) (With diesel engine)
G1	(M29)	BR/2 : Tweeter RH	A2	(M76)	BR/8 : To (D12)			
F1	(M30)	GY/16 : Time control unit						
F1	(M31)	GY/20 : Time control unit						
F2	(M32)	B/3 : Combination flasher unit						
E2	(M33)	BR/8 : Multi-remote control unit						
D2	(M34)	W/2 : In-vehicle sensor						
E1	(M35)	B/2 : Front power socket						

Diode (M110)



★: Be sure to connect and lock the connectors securely after repair work.
 Failure to do so may cause the ECM to have diagnostic trouble codes.
Do not disconnect these connectors except in the case of working according to WORK FLOW of TROUBLE DIAGNOSES in EC and AT sections.

A
B
C
D
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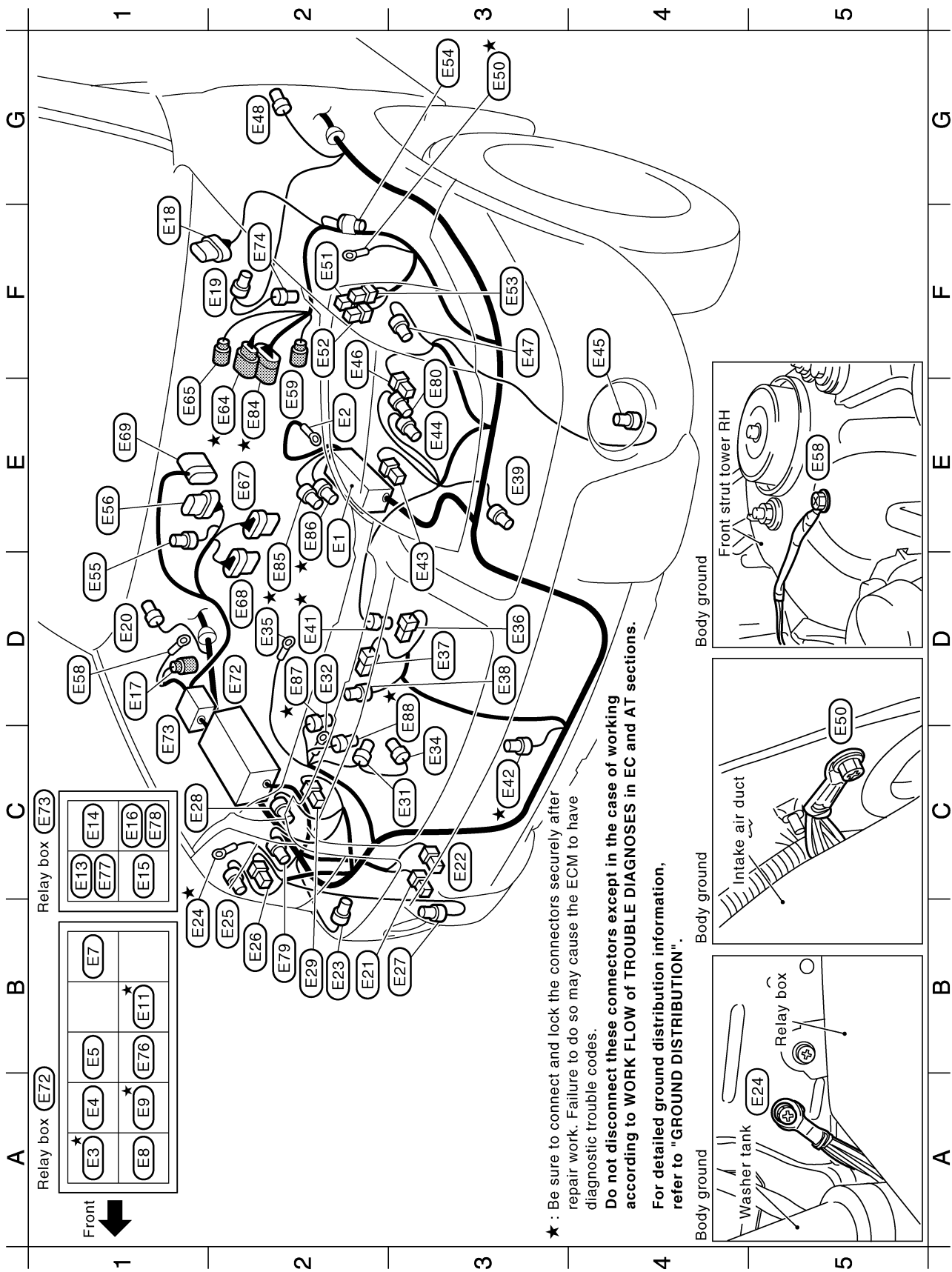
Engine Compartment for Gasoline Engine Models



E2	E1	—	: Fuse and Fusible link box	E3	E44	B/3	: Headlamp aiming motor LH
E2	E2	—	: Battery (+)	F4	E45	-/2	: Front fog lamp LH
A1	E3	★	BR/6 : Cooling fan relay-1	F2	E46	B/3	: Headlamp LH (Without xenon headlamp)
A1	E4		W/3 : Horn relay	F2	E47	GY/2	: Front turn signal lamp LH
B1	E5		L/4 : Air conditioner relay	G2	E48	BR/2	: Side turn signal lamp LH
B1	E6		L/4 : Park/Neutral position relay (With A/T)	F3	★ E49	GY/2	: Dropping resistor (With A/T)
B1	E7		L/4 : Front fog lamp relay	F2	★ E50	—	: Body ground
A1	E8		BR/6 : Headlamp washer timer	G3	E54	GY/2	: Option connector for hood switch
B1	E11	★	BR/6 : Cooling fan relay-3	D1	E55	B/2	: ESP relay box (With ESP)
B1	E12	★	L/4 : Throttle control motor relay	E1	E56	B/8	: ESP relay box (With ESP)
C1	E13		L/4 : Daytime light relay LH (With daytime light system)	D1	E58	—	: Body ground
C1	E14		L/4 : Driving lamp relay-1	E2	E59	L/2	: Front wheel sensor LH
C1	E15		L/4 : Rear fog lamp relay	E2	★ E60	GY/9	: To F36
C1	E16		L/4 : Daytime light relay RH (With daytime light system)	E2	★ E61	DGY/8	: To F38
D1	E17		GY/2 : Front wheel sensor RH	E1	★ E62	GY/8	: To F37
F1	E18		GY/5 : Front wiper motor	E2	E67	DGY/8	: ESP actuator (With ESP)
F2	E19		GY/2 : Brake fluid level switch	D2	E68	SB/8	: ESP actuator (With ESP)
D1	E20		BR/2 : Side turn signal lamp RH	E1	E69	SMJ	: ABS actuator and electric unit (Without ESP)
B2	E21		W/2 : Front washer pump	A1, C1	E72	—	: Relay box
C3	E22		G/2 : Rear washer pump	C1	E73	—	: Relay box
B2	E23		GY/2 : Headlamp washer pump	B1	E76	—	: Fuse block (With xenon headlamp)
B2	★ E24		— : Body ground	C1	E77	L/4	: HID relay LH (With xenon headlamp)
B2	E25		GY/2 : Front turn signal lamp RH				(Without daytime light system)
B2	E26		B/3 : Headlamp RH (Without xenon headlamp)	C1	E78	L/4	: HID relay RH (With xenon headlamp)
B3	E27		-/2 : Front fog lamp RH				(Without daytime light system)
C1	E28		B/3 : Headlamp aiming motor RH	B2	E79	DGY/4	: Headlamp RH (With xenon headlamp)
C2	E29		B/2 : Parking lamp RH	E3	E80	DGY/4	: Headlamp LH (With xenon headlamp)
C3	E30		— : Body ground				
D2	E31		GY/2 : Alternator				
D2	E32		— : Alternator				
D2	E33		— : Alternator				
C3	E34		B/1 : Compressor				
D3	E36		B/1 : Horn high				
D3	E37		B/1 : Horn low				
D3	E38		B/2 : Ambient sensor				
E3	E39		B/3 : Refrigerant pressure sensor				
D2	★ E41		GY/2 : Cooling fan motor-1				
C3	★ E42		GY/4 : Cooling fan motor-2				
D3	E43		B/2 : Parking lamp LH				

★: Be sure to connect and lock the connectors securely after repair work.
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Do not disconnect these connectors except in the case of working according to WORK FLOW of TROUBLE DIAGNOSES in EC and AT sections.

Engine Compartment for Diesel Engine Models



PG

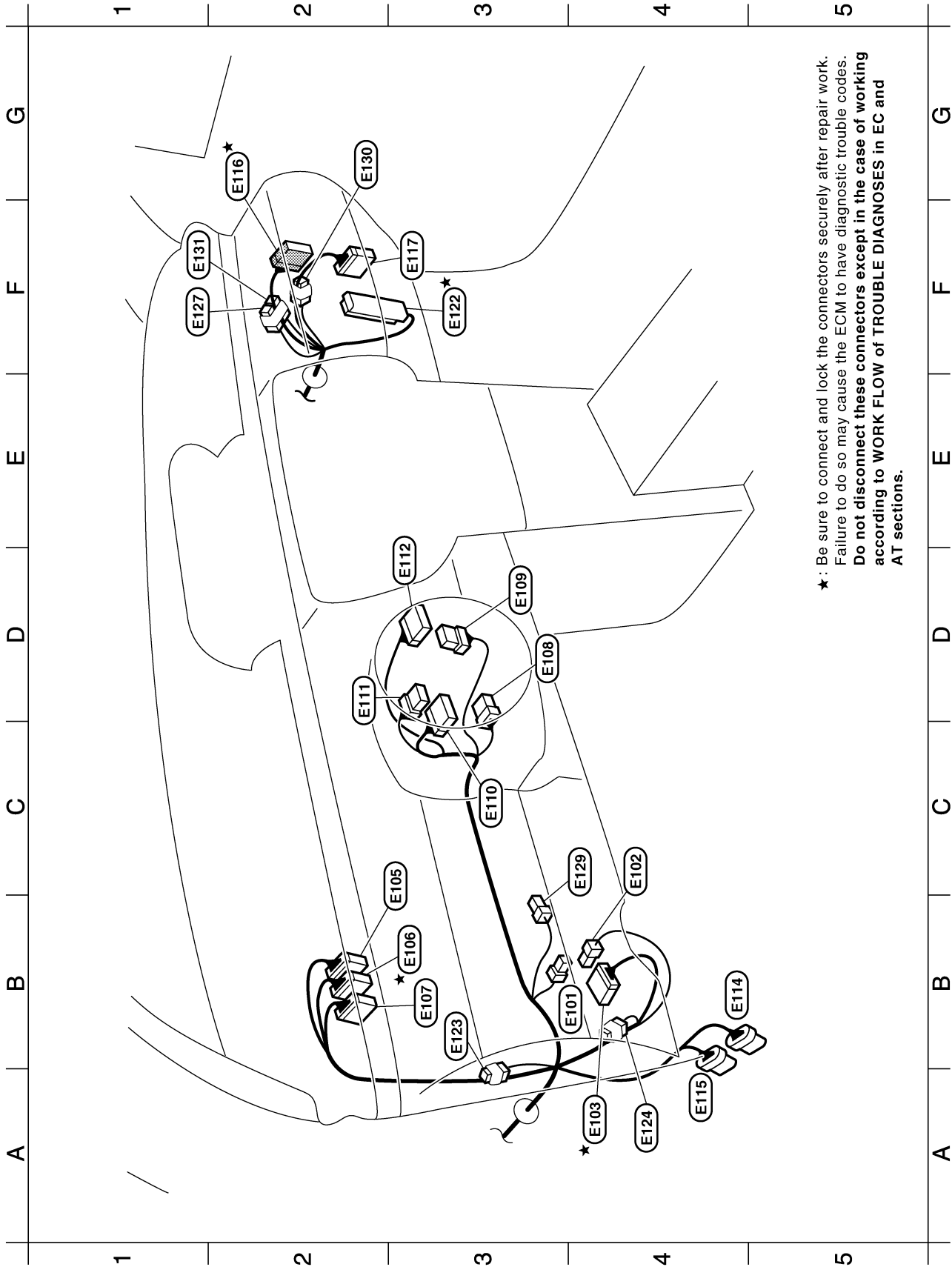
E2	E1	—	: Fuse and Fusible link box
E2	E2	—	: Battery (+)
A1	E3	BR/6	: Cooling fan relay-1
A1	E4	W/3	: Horn relay
B1	E5	L/4	: Air conditioner relay
B1	E7	L/4	: Front fog lamp relay
A1	E8	BR/6	: Headlamp washer timer
A1	E9	BR/6	: Cooling fan relay-2
B1	E11	BR/6	: Cooling fan relay-3
C1	E13	L/4	: Daytime light relay LH (With daytime light system)
C1	E14	L/4	: Driving lamp relay-1
C1	E15	L/4	: Rear fog lamp relay
C1	E16	L/4	: Daytime light relay RH (With daytime light system)
D1	E17	GY/2	: Front wheel sensor RH
F1	E18	GY/5	: Front wiper motor
F2	E19	GY/2	: Brake fluid level switch
D1	E20	BR/2	: Side turn signal lamp RH
B2	E21	W/2	: Front washer pump
C3	E22	G/2	: Rear washer pump
B2	E23	GY/2	: Headlamp washer pump
B1	E24	—	: Body ground
B2	E25	GY/2	: Front turn signal lamp RH
B2	E26	B/3	: Headlamp RH (Without xenon headlamp)
B3	E27	-/2	: Front fog lamp RH
C1	E28	B/3	: Headlamp aiming motor RH
B2	E29	B/2	: Parking lamp RH
C3	E31	GY/2	: Alternator
D2	E32	—	: Alternator
C3	E34	B/1	: Compressor
D2	E35	—	: Glow plug
D3	E36	B/1	: Horn high
D3	E37	B/1	: Horn low
D3	E38	B/2	: Ambient sensor
E3	E39	B/3	: Refrigerant pressure sensor
D2	E41	GY/4	: Cooling fan motor-1
C3	E42	GY/4	: Cooling fan motor-2
D3	E43	B/2	: Parking lamp LH
E3	E44	B/3	: Headlamp aiming motor LH
F4	E45	-/2	: Front fog lamp LH
F2	E46	B/3	: Headlamp LH (Without xenon headlamp)

F3	E47	GY/2	: Front turn signal lamp LH
G2	E48	BR/2	: Side turn signal lamp LH
G3	E50	—	: Body ground
F2	E51	W/1	: Glow relay
F2	E52	W/1	: Glow relay
F3	E53	G/2	: Glow relay
G3	E54	GY/2	: Option connector for hood switch
D1	E55	B/2	: ESP relay box (With ESP)
E1	E56	B/8	: ESP relay box (With ESP)
D1	E58	—	: Body ground
E2	E59	L/2	: Front wheel sensor LH
E2	E64	DGY/8	: To F5
E1	E65	B/2	: To F6
E2	E67	DGY/8	: ESP actuator (With ESP)
D2	E68	SB/8	: ESP actuator (With ESP)
E1	E69	SMJ	: ABS actuator and electric unit (Without ESP)
A1, D2	E72	—	: Relay box
C1	E73	—	: Relay box
F2	E74	B/3	: Fuel filter sensor (With fuel filter warning)
B1	E76	—	: Fuse block (With xenon headlamp)
C1	E77	L/4	: HID relay LH (With xenon headlamp)
			(Without daytime light system)
C1	E78	L/4	: HID relay RH (With xenon headlamp)
			(Without daytime light system)
B2	E79	DGY/4	: Headlamp RH (With xenon headlamp)
E3	E80	DGY/4	: Headlamp LH (With xenon headlamp)
E2	E84	GY/10	: To F51
D2	E85	B/2	: Engine room air temperature sensor (With DPF)
E2	E86	-/3	: Differential exhaust pressure sensor (With DPF)
D2	E87	-/2	: Front exhaust gas temperature sensor (With DPF)
D3	E88	-/2	: Rear exhaust gas temperature sensor

★ : Be sure to connect and lock the connectors securely after repair work.
Failure to do so may cause the ECM to have diagnostic trouble codes.
Do not disconnect these connectors except in the case of working according to WORK FLOW of TROUBLE DIAGNOSES in EC and AT sections.

HARNESS

Passenger Compartment



★ : Be sure to connect and lock the connectors securely after repair work.
Failure to do so may cause the ECM to have diagnostic trouble codes.
Do not disconnect these connectors except in the case of working according to WORK FLOW of TROUBLE DIAGNOSES in EC and AT sections.

- B4

E101

B/2

:

Fuse block (J/B)
- C4

E102

W/4

:

Fuse block (J/B)
- A4

E103

W/12

:

Fuse block (J/B)
- C3

E105

W/12

:

To M13
- B3

E106

BR/16

:

To M14
- B3

E107

W/16

:

To M15
- D3

E108

W/6

:

Ignition switch
- D3

E109

W/8

:

NATS IMMU
- C3

E110

BR/12

:

Combination switch (Lighting switch)
- D2

E111

W/8

:

Combination switch (Fog lamp switch)
- D3

E112

GY/12

:

Combination switch
(Wiper and washer switch)
- B4

E114

GY/6

:

Daytime light control unit
- A4

E115

GY/8

:

Daytime light control unit
- G2

E116

BR/20

:

To M75
- F3

E117

W/10

:

To B101
- F3

E122

SMJ

:

ESP/TCS/ABS control unit (With ESP)
- B3

E123

W/2

:

Diode (With gasoline engine)(Without xenon headlamp)
- A4

E124

W/2

:

Diode (With gasoline engine)(Without xenon headlamp)
- F1

E127

L/4

:

Diode (With xenon headlamp)
(With xenon headlamp, daytime light system)
- C4

E129

BR/6

:

Driving lamp relay-2
- G2

E130

L/4

:

Diode (With xenon headlamp, daytime light system)
- F1

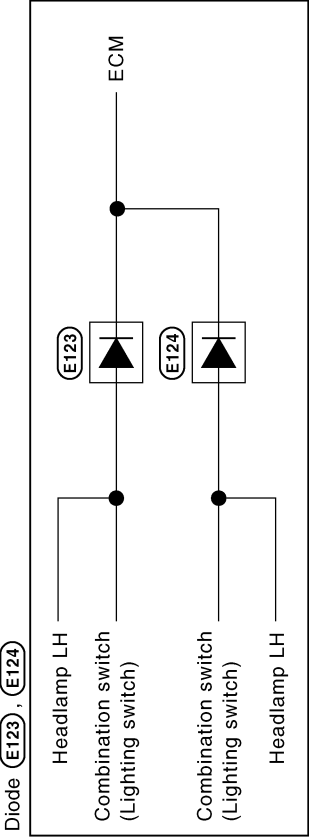
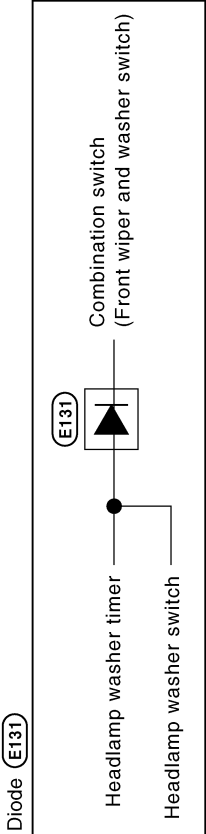
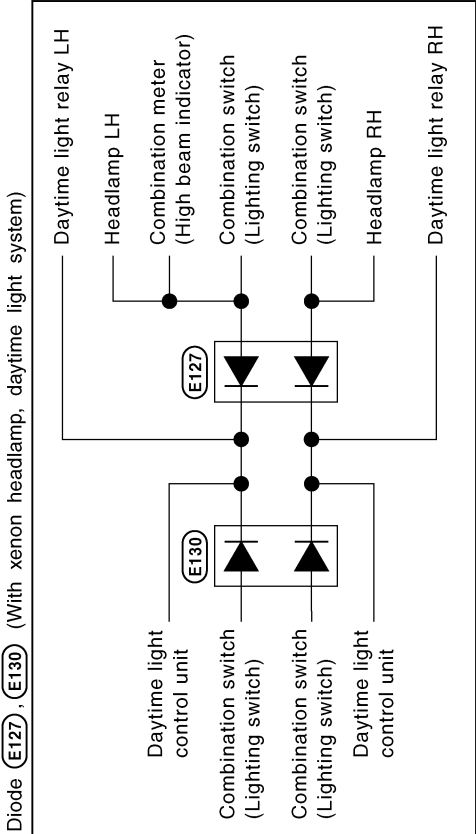
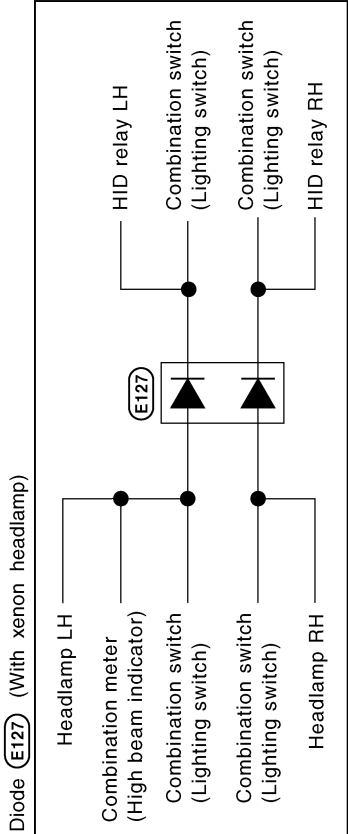
E131

W/2

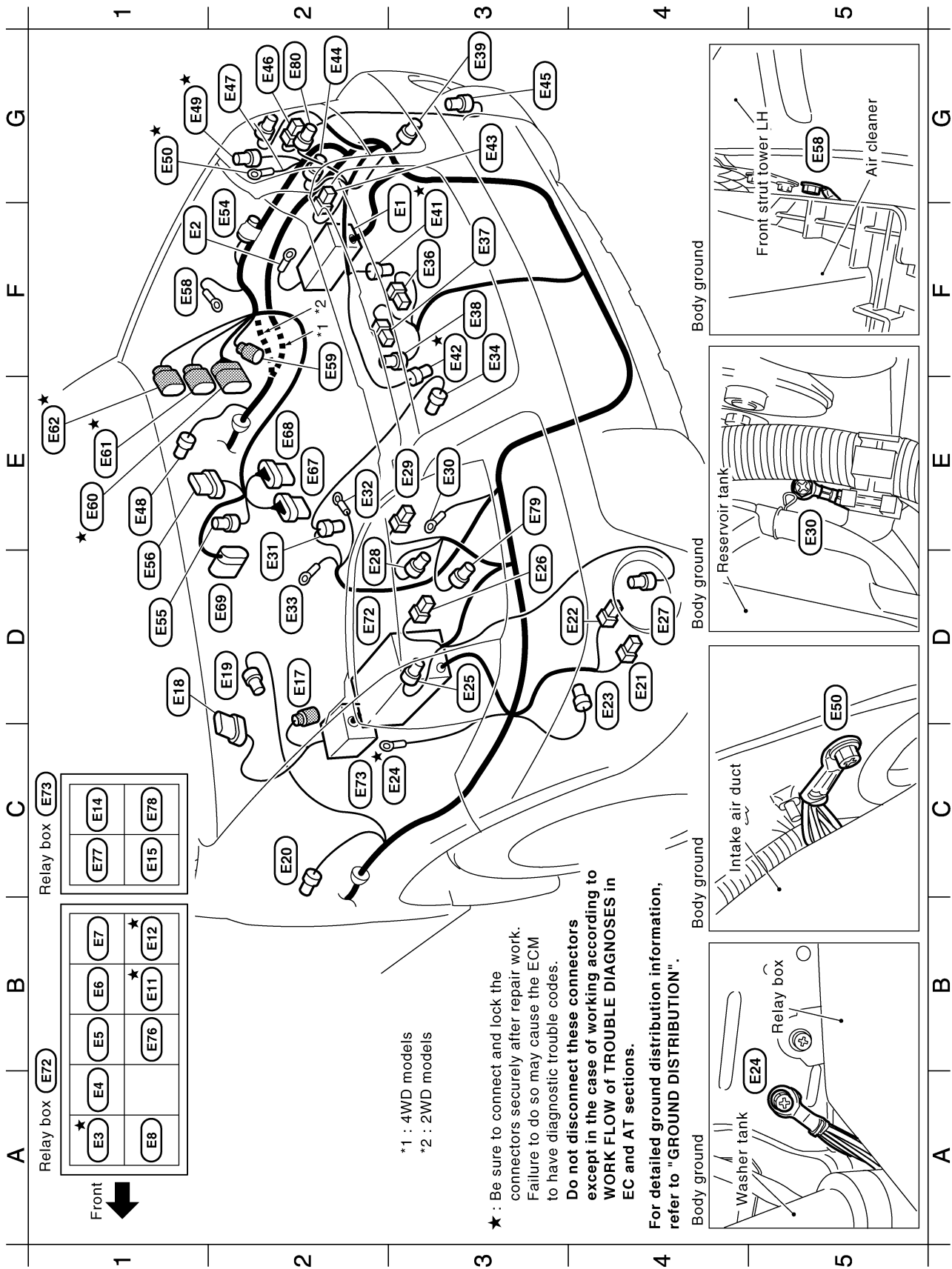
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Diode (With xenon headlamp)

★: Be sure to connect and lock the connectors securely after repair work.
Failure to do so may cause the ECM to have diagnostic trouble codes.
Do not disconnect these connectors except in the case of working according to WORK FLOW of TROUBLE DIAGNOSES in EC and AT sections.



ENGINE ROOM HARNESS/RHD MODELS
Engine Compartment for Gasoline Engine Models



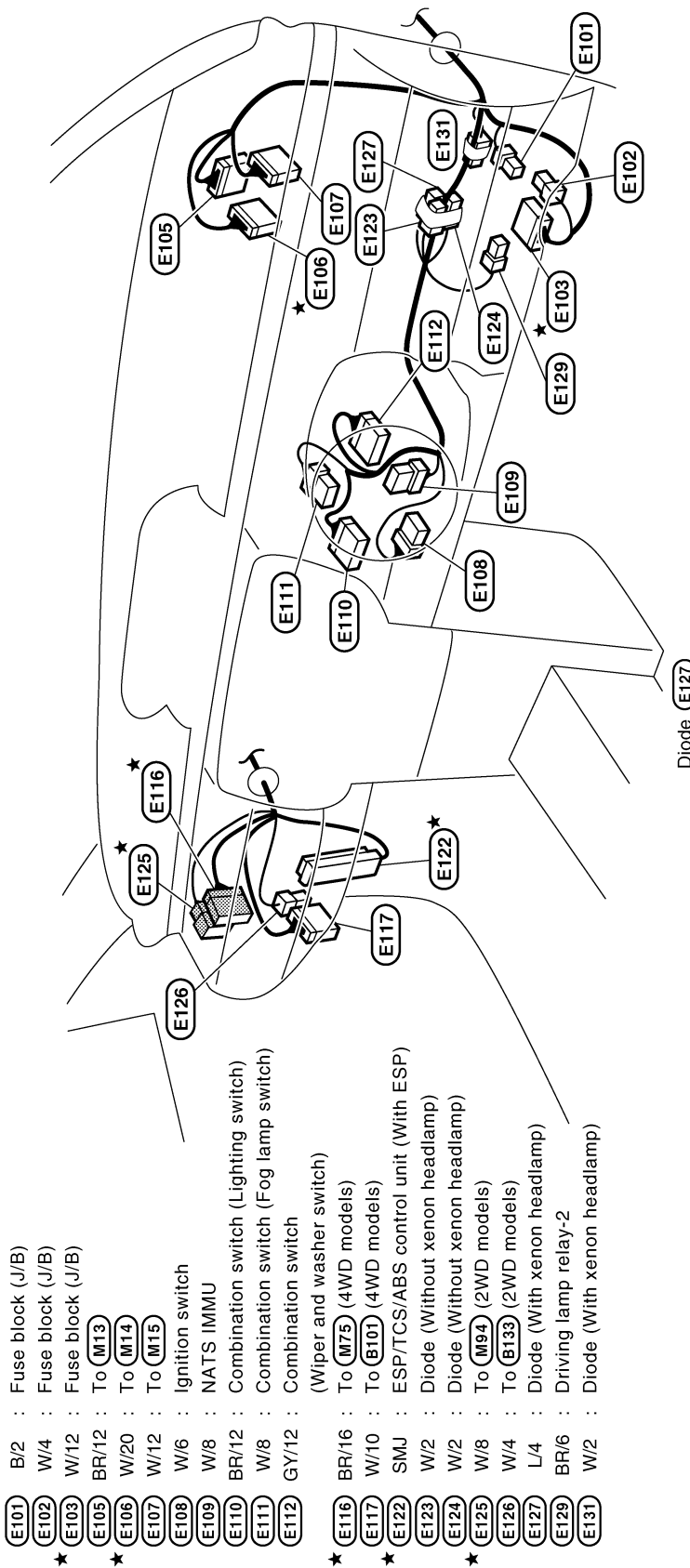
A
B
C
D
E
F
G
H
I
J
PG
L
M

F3	(E1)	— : Fuse and Fusible link box
F1	(E2)	— : Battery (+)
A1	(E3)	BR/6 : Cooling fan relay-1
A1	(E4)	W/3 : Horn relay
B1	(E5)	L/4 : Air conditioner relay
B1	(E6)	L/4 : Park/Neutral position relay (With A/T)
B1	(E7)	L/4 : Front fog lamp relay
A1	(E8)	BR/6 : Headlamp washer timer
B1	(E11)	BR/6 : Cooling fan relay-3
B1	(E12)	L/4 : Throttle control motor relay
C1	(E14)	L/4 : Driving lamp relay-1
C1	(E15)	L/4 : Rear fog lamp relay
D2	(E17)	GY/2 : Front wheel sensor RH
D1	(E18)	GY/5 : Front wiper motor
D2	(E19)	GY/2 : Brake fluid level switch
C2	(E20)	BR/2 : Side turn signal lamp RH
D4	(E21)	W/2 : Front washer pump
D4	(E22)	GY/2 : Rear washer pump
D4	(E23)	GY/2 : Headlamp washer pump
C3	(E24)	— : Body ground
D3	(E25)	GY/2 : Front turn signal lamp RH
D3	(E26)	B/3 : Headlamp RH (Without xenon headlamp)
D4	(E27)	-/2 : Front fog lamp RH
D2	(E28)	B/3 : Headlamp aiming motor RH
E3	(E29)	B/2 : Parking lamp RH
E3	(E30)	— : Body ground
D2	(E31)	GY/2 : Alternator
E2	(E32)	— : Alternator
D2	(E33)	— : Alternator
F3	(E34)	B/1 : Compressor
F3	(E36)	B/1 : Horn high
F3	(E37)	B/1 : Horn low
F3	(E38)	B/2 : Ambient sensor
G3	(E39)	B/3 : Refrigerant pressure sensor
F3	(E41)	GY/2 : Cooling fan motor-1
F3	(E42)	GY/4 : Cooling fan motor-2
G3	(E43)	B/2 : Parking lamp LH
G2	(E44)	B/3 : Headlamp aiming motor LH

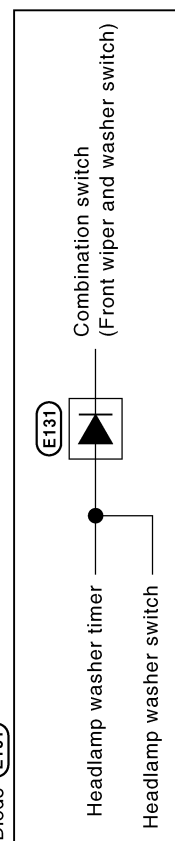
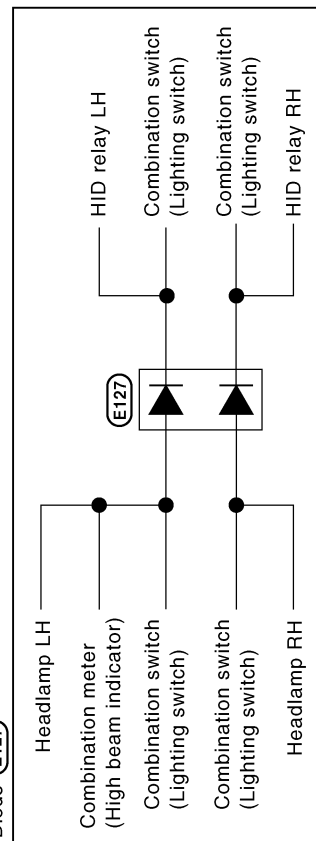
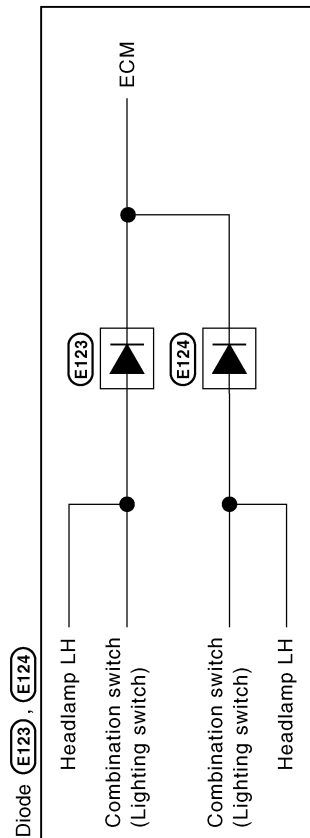
G3	(E45)	-/2 : Front fog lamp LH
G2	(E46)	B/3 : Headlamp LH (Without xenon headlamp)
G2	(E47)	GY/2 : Front turn signal lamp LH
E1	(E48)	BR/2 : Side turn signal lamp LH
G1	(E49)	GY/2 : Dropping resistor (With A/T)
G1	(E50)	— : Body ground
F2	(E54)	GY/2 : Option connector for hood switch
D1	(E55)	B/2 : ESP relay box (With ESP)
D1	(E56)	B/8 : ESP relay box (With ESP)
F1	(E58)	— : Body ground
F2	(E59)	L/2 : Front wheel sensor LH
E1	(E60)	GY/9 : To (F36)
E1	(E61)	DGY/8 : To (F38)
E1	(E62)	GY/8 : To (F37)
E2	(E67)	DGY/8 : ESP actuator (With ESP)
E2	(E68)	SB/8 : ESP actuator (With ESP)
D2	(E69)	SMJ : ABS actuator and electric unit (Without ESP)
A1, D2	(E72)	— : Relay box
C1, C2	(E73)	— : Relay box
B1	(E76)	— : Fuse block (With xenon headlamp)
C1	(E77)	L/4 : HID relay LH (With xenon headlamp)
C1	(E78)	L/4 : HID relay RH (With xenon headlamp)
E3	(E79)	DGY/4 : Headlamp RH (With xenon headlamp)
G2	(E80)	DGY/4 : Headlamp LH (With xenon headlamp)

★ : Be sure to connect and lock the connectors securely after repair work.
 Failure to do so may cause the ECM to have diagnostic trouble codes.
Do not disconnect these connectors except in the case of working according to WORK FLOW of TROUBLE DIAGNOSES in EC and AT sections.

Passenger Compartment for Gasoline Engine Models

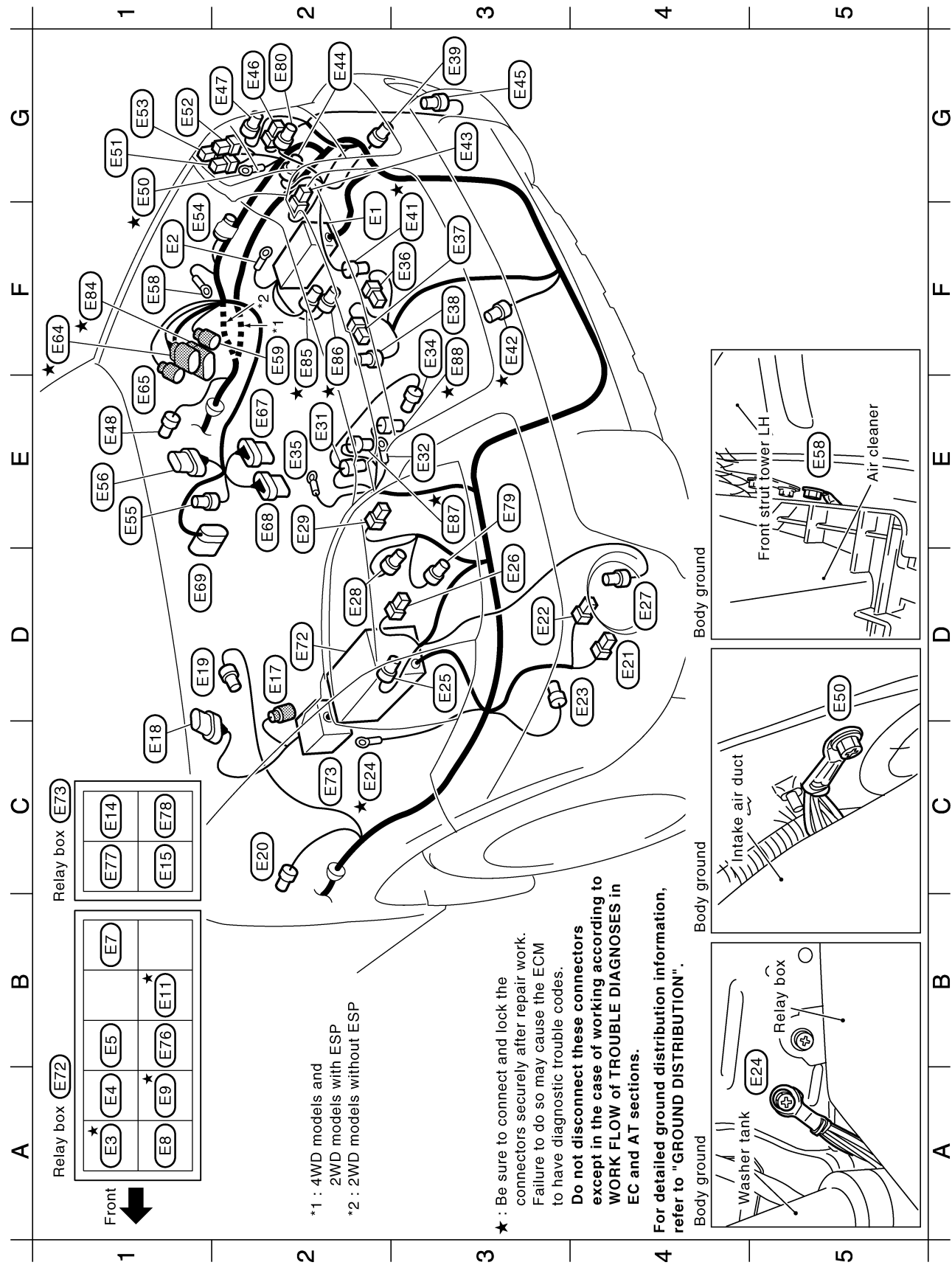


★ : Be sure to connect and lock the connectors securely after repair work.
 Failure to do so may cause the ECM to have diagnostic trouble codes.
Do not disconnect these connectors except in the case of working according to WORK FLOW of TROUBLE DIAGNOSES in EC and AT sections.



HARNESS

Engine Compartment for Diesel Engine Models



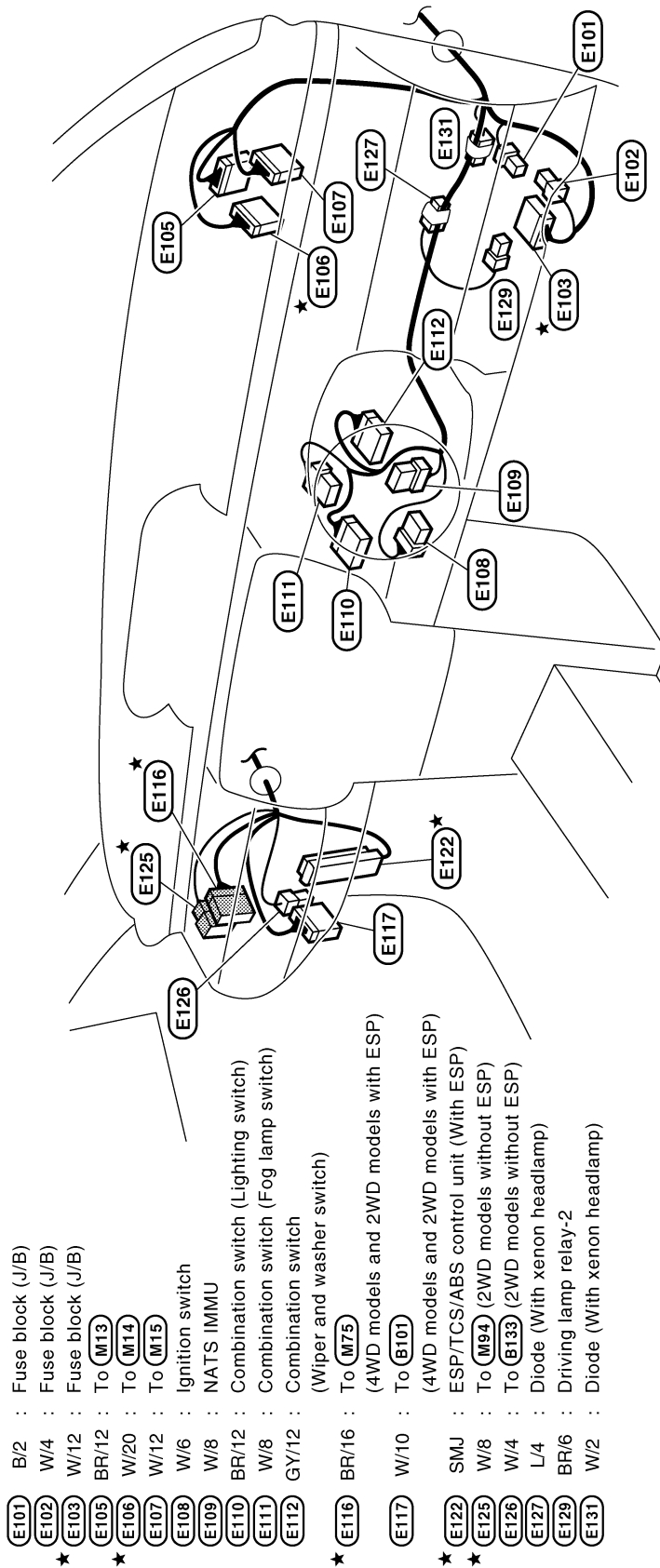
TKIB0672E

F2	(E1)	—	Fuse and Fusible link box
F1	(E2)	—	Battery (+)
A1	(E3)	BR/6	Cooling fan relay-1
A1	(E4)	W/3	Horn relay
B1	(E5)	L/4	Air conditioner relay
B1	(E7)	L/4	Front fog lamp relay
A1	(E8)	BR/6	Headlamp washer timer
A1	(E9)	BR/6	Cooling fan relay-2
B1	(E11)	BR/6	Cooling fan relay-3
C1	(E14)	L/4	Driving lamp relay-1
C1	(E15)	L/4	Rear fog lamp relay
D2	(E17)	GY/2	Front wheel sensor RH
C1	(E18)	GY/5	Front wiper motor
D1	(E19)	GY/2	Brake fluid level switch
C2	(E20)	BR/2	Side turn signal lamp RH
D4	(E21)	W/2	Front washer pump
D3	(E22)	G/2	Rear washer pump
D4	(E23)	GY/2	Headlamp washer pump
C2	(E24)	—	Body ground
D3	(E25)	GY/2	Front turn signal lamp RH
D3	(E26)	B/3	Headlamp RH (Without xenon headlamp)
D4	(E27)	-/2	Front fog lamp RH
D2	(E28)	B/3	Headlamp aiming motor RH
E2	(E29)	B/2	Parking lamp RH
E2	(E31)	GY/2	Alternator
E3	(E32)	—	Alternator
F3	(E34)	B/1	Compressor
E2	(E35)	—	Glow plug
F3	(E36)	B/1	Horn high
F3	(E37)	B/1	Horn low
F3	(E38)	B/2	Ambient sensor
G3	(E39)	B/3	Refrigerant pressure sensor
F3	(E41)	GY/4	Cooling fan motor-1
F3	(E42)	GY/4	Cooling fan motor-2
G3	(E43)	B/2	Parking lamp LH
G2	(E44)	B/3	Headlamp aiming motor LH
G3	(E45)	-/2	Front fog lamp LH
G2	(E46)	B/3	Headlamp LH (Without xenon headlamp)

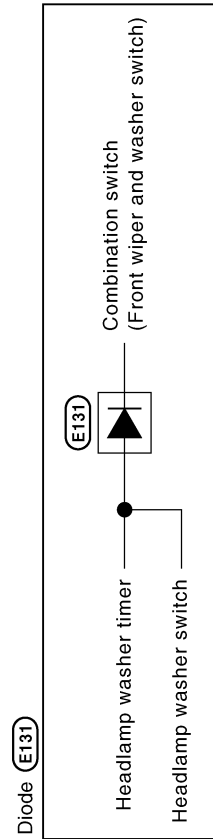
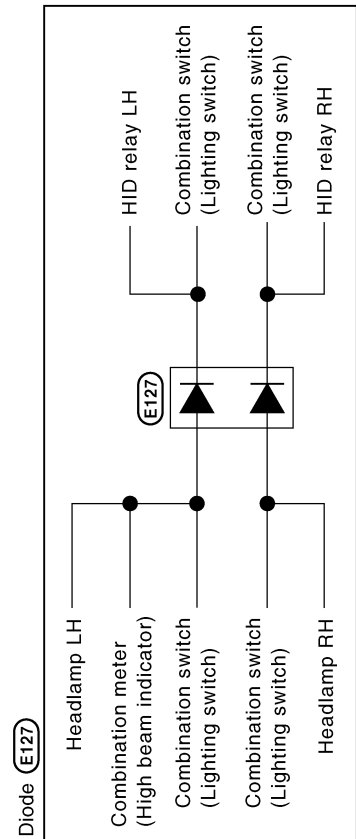
G2	(E47)	GY/2	Front turn signal lamp LH
E1	(E48)	BR/2	Side turn signal lamp LH
G1	(E50)	—	Body ground
G1	(E51)	W/1	Glow relay
G1	(E52)	W/1	Glow relay
G1	(E53)	G/2	Glow relay
F1	(E54)	GY/2	Option connector for hood switch
E1	(E55)	B/2	ESP relay box (With ESP)
E1	(E56)	B/8	ESP relay box (With ESP)
F1	(E58)	—	Body ground
F2	(E59)	L/2	Front wheel sensor LH
F1	(E64)	DGY/8	To (F5)
E1	(E65)	B/2	To (F6)
E2	(E67)	DGY/8	ESP actuator (With ESP)
E2	(E68)	SB/8	ESP actuator (With ESP)
D1	(E69)	SMJ	ABS actuator and electric unit (Without ESP)
A1, D2	(E72)	—	Relay box
C1, C2	(E73)	—	Relay box
B1	(E76)	—	Fuse block (With xenon headlamp)
C1	(E77)	L/4	HID relay LH (With xenon headlamp)
C1	(E78)	L/4	HID relay RH (With xenon headlamp)
E3	(E79)	DGY/4	Headlamp RH (With xenon headlamp)
G2	(E80)	DGY/4	Headlamp LH (With xenon headlamp)
F1	(E84)	GY/10	To (F51)
F2	(E85)	B/2	Engine room air temperature sensor (With DPF)
F2	(E86)	-/3	Differential exhaust pressure sensor (With DPF)
E3	(E87)	-/2	Front exhaust gas temperature sensor (With DPF)
F3	(E88)	-/2	Rear exhaust gas temperature sensor

★ : Be sure to connect and lock the connectors securely after repair work.
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Do not disconnect these connectors except in the case of working according to WORK FLOW of TROUBLE DIAGNOSES in EC and AT sections.

Passenger Compartment for Diesel Engine Models



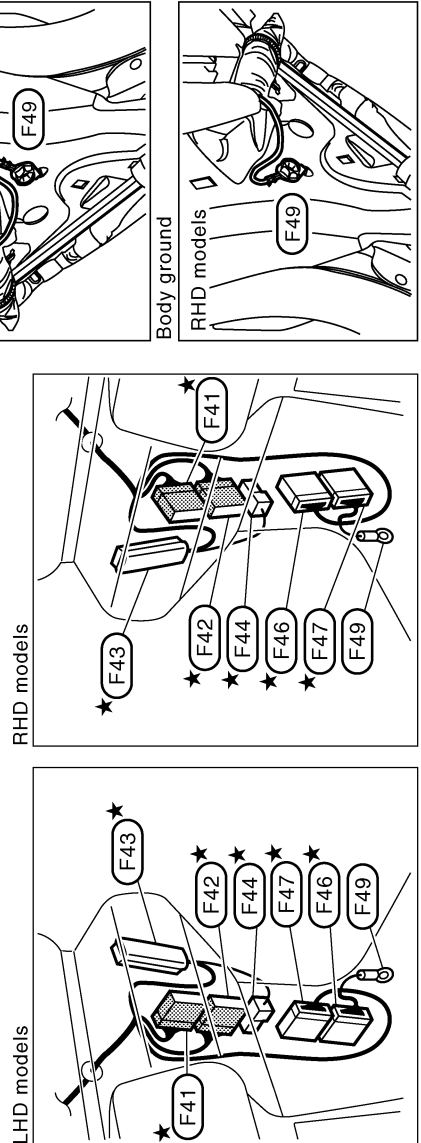
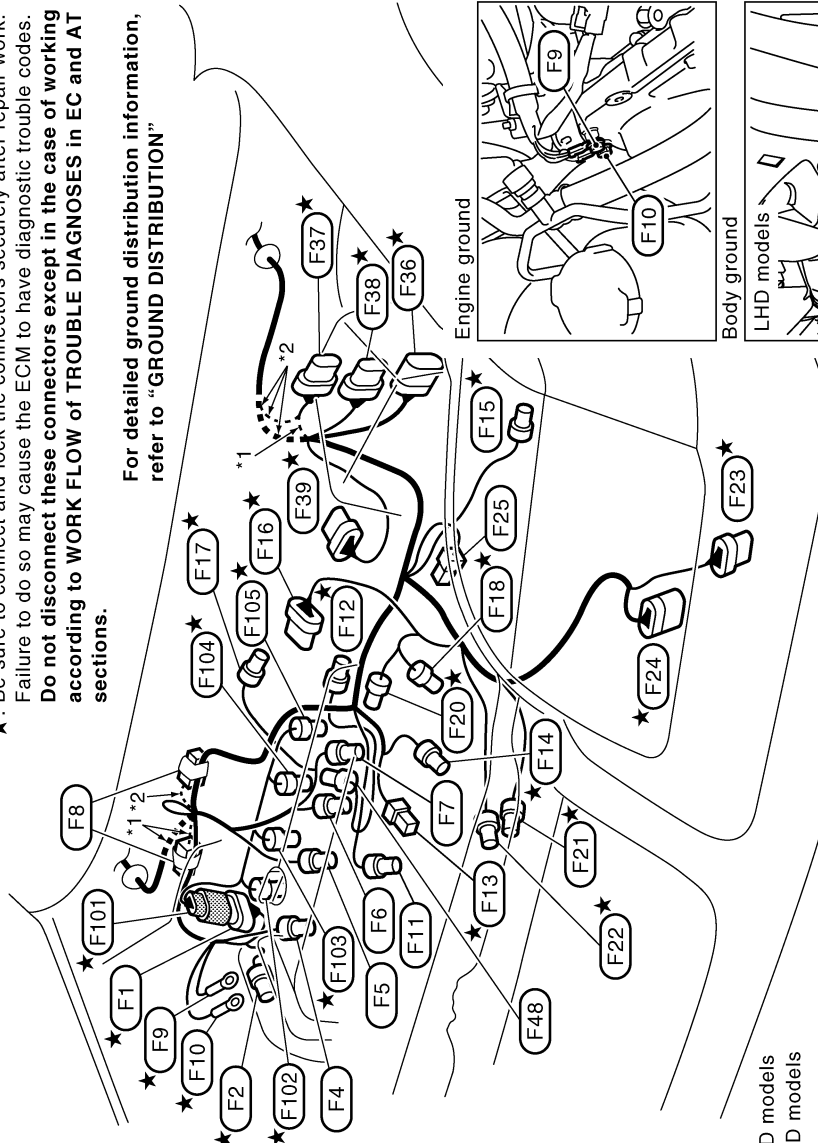
★ : Be sure to connect and lock the connectors securely after repair work.
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ENGINE CONTROL HARNESS QR25 Engine Models with A/T

★: Be sure to connect and lock the connectors securely after repair work.
Failure to do so may cause the ECM to have diagnostic trouble codes.
Do not disconnect these connectors except in the case of working according to WORK FLOW of TROUBLE DIAGNOSES in EC and AT sections.

For detailed ground distribution information, refer to "GROUND DISTRIBUTION"



Engine control harness

- ★ F1 DGY/6 : To (F101)
- ★ G/2 : Intake valve timing control solenoid valve
- ★ GY/3 : Ignition coil No. 1 (With power transistor)
- ★ GY/3 : Ignition coil No. 2 (With power transistor)
- ★ GY/3 : Ignition coil No. 3 (With power transistor)
- ★ GY/3 : Ignition coil No. 4 (With power transistor)
- ★ GY/2 : Condenser
- ★ — : Engine ground
- ★ — : Engine ground
- ★ GY/1 : Oil pressure switch
- ★ B/3 : Power steering pressure sensor
- ★ B/2 : Knock sensor
- ★ B/3 : Crankshaft position sensor (POS)
- ★ B/3 : Revolution sensor
- ★ G/6 : Electronic throttle control actuator
- ★ L/2 : EVAP canister purge volume control solenoid valve

- ★ GY/2 : Engine coolant temperature sensor
- ★ B/3 : Camshaft position sensor (PHASE)
- ★ G/4 : Heated oxygen sensor 1
- ★ L/4 : Heated oxygen sensor 2
- ★ B/8 : A/T solenoid valve
- ★ B/10 : Park/Neutral position switch
- ★ B/1 : Starter motor
- ★ GY/9 : To (E60)
- ★ GY/8 : To (E62)
- ★ DGY/8 : To (E61)
- ★ B/6 : Mass air flow sensor
- ★ BR/24 : To (M61)
- ★ W/16 : To (M62)
- ★ SMJ : ECM
- ★ BR/6 : ECM relay
- ★ W/24 : TCM (Transmission control module)
- ★ GY/24 : TCM (Transmission control module)
- ★ BR/2 : VIA control solenoid valve
- ★ — : Body ground

*1 : LHD models
*2 : RHD models

Engine control sub-harness

- ★ F101 B/6 : To (F1)
- ★ F102 GY/2 : Fuel injector No. 1
- ★ F103 GY/2 : Fuel injector No. 2
- ★ F104 GY/2 : Fuel injector No. 3
- ★ F105 GY/2 : Fuel injector No. 4

QR25 Engine Models with M/T

Engine control harness

★ F1	DGY/6	To (F101)
★ F2	G/2	Intake valve timing control solenoid valve
★ F4	GY/3	Ignition coil No. 1 (With power transistor)
★ F5	GY/3	Ignition coil No. 2 (With power transistor)
★ F6	GY/3	Ignition coil No. 3 (With power transistor)
★ F7	GY/3	Ignition coil No. 4 (With power transistor)
★ F8	GY/2	Condenser
★ F9	—	Engine ground
★ F10	—	Engine ground
★ F11	GY/1	Oil pressure switch
★ F12	B/3	Power steering pressure sensor
★ F13	B/2	Knock sensor
★ F14	B/3	Crankshaft position sensor (POS)
★ F16	G/6	Electronic throttle control actuator
★ F17	L/2	EVAP canister purge volume control solenoid valve
★ F18	GY/2	Engine coolant temperature sensor
★ F20	B/3	Camshaft position sensor (PHASE)
★ F21	G/4	Heated oxygen sensor 1
★ F22	L/4	Heated oxygen sensor 2
★ F26	B/1	Starter motor
★ F35	B/2	Park/Neutral position switch
★ F36	B/2	Back-up lamp switch
★ F38	GY/9	To (E60)
★ F39	DGY/8	To (E61)
★ F41	B/6	Mass air flow sensor
★ F42	BR/24	To (M61)
★ F43	W/16	To (M62)
★ F44	SMJ	ECM
★ F48	BR/6	ECM relay
★ F49	BR/2	VIAS control solenoid valve
★ F49	—	Body ground

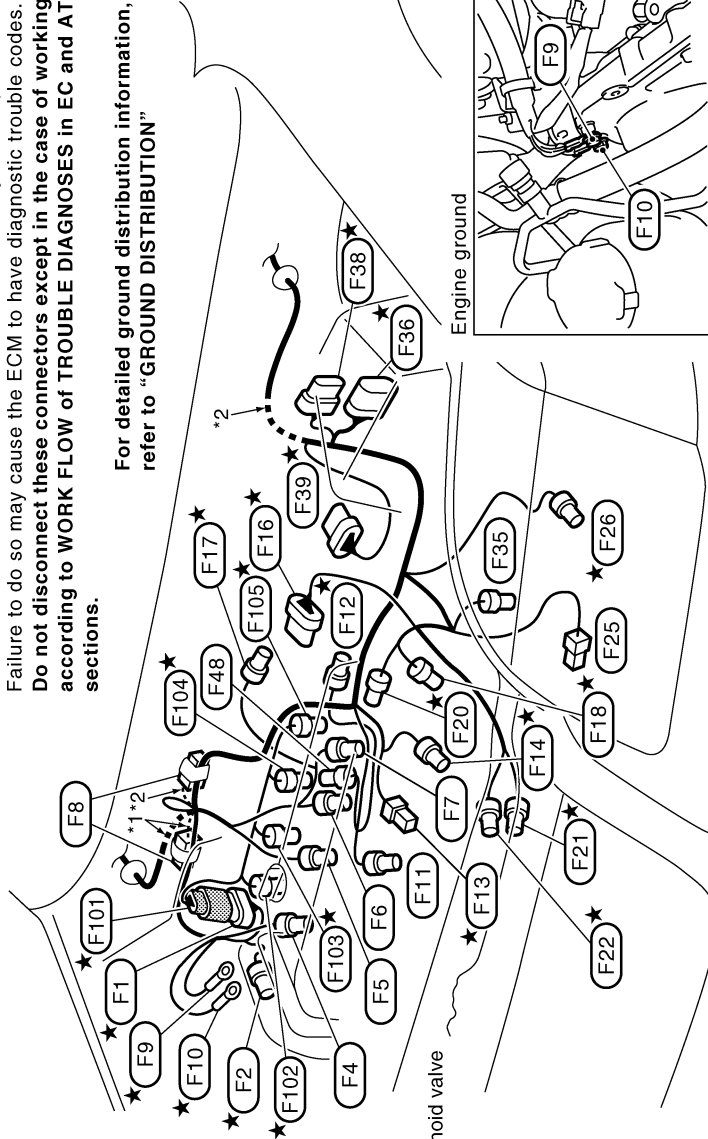
*1 : LHD models
*2 : RHD models

Engine control sub-harness

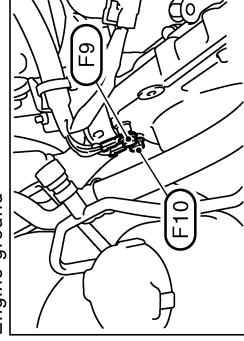
★ F101	B/6	To (F1)
★ F102	GY/2	Fuel injector No. 1
★ F103	GY/2	Fuel injector No. 2
★ F104	GY/2	Fuel injector No. 3
★ F105	GY/2	Fuel injector No. 4

★ : Be sure to connect and lock the connectors securely after repair work.
Failure to do so may cause the ECM to have diagnostic trouble codes.
Do not disconnect these connectors except in the case of working according to WORK FLOW of TROUBLE DIAGNOSES in EC and AT sections.

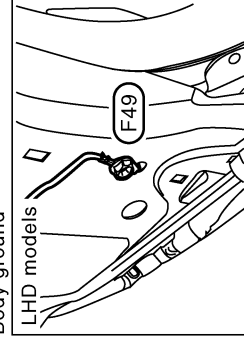
For detailed ground distribution information, refer to "GROUND DISTRIBUTION"



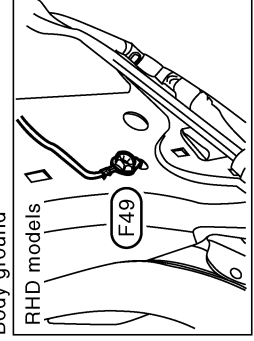
Engine ground



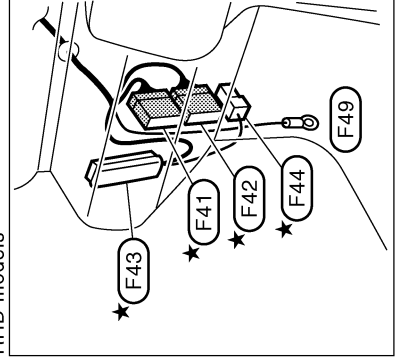
Body ground



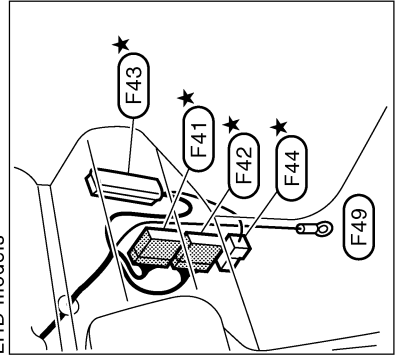
Body ground



RHD models



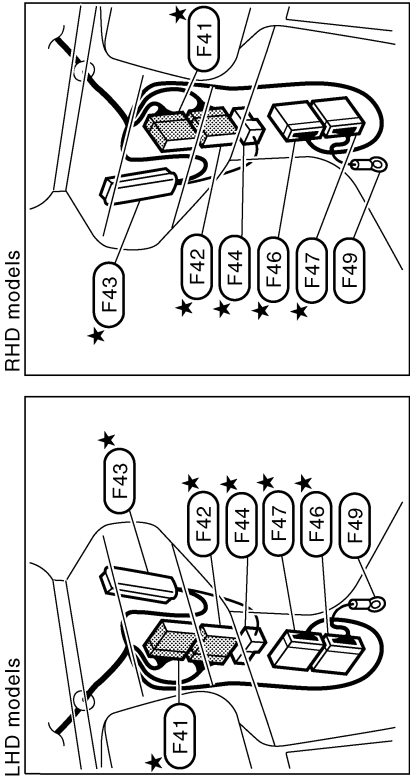
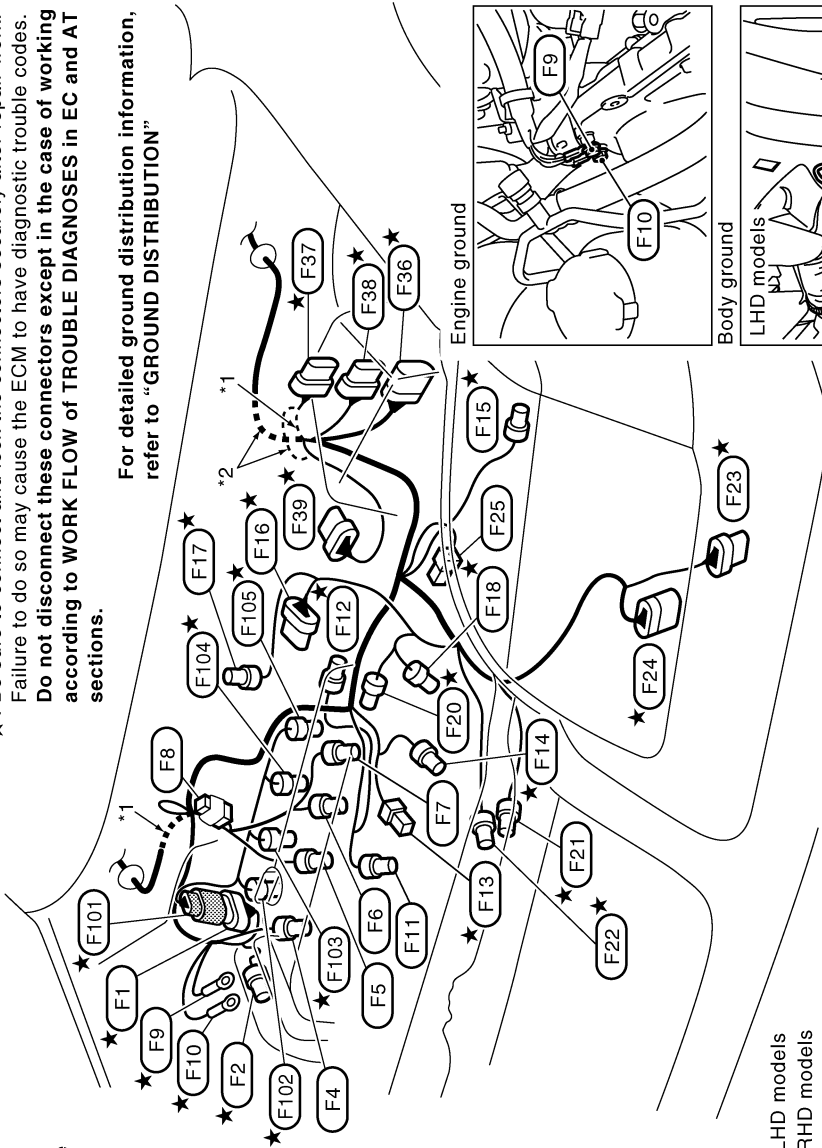
LHD models



QR20 Engine Models with A/T

★: Be sure to connect and lock the connectors securely after repair work.
Failure to do so may cause the ECM to have diagnostic trouble codes.
Do not disconnect these connectors except in the case of working according to WORK FLOW of TROUBLE DIAGNOSES in EC and AT sections.

For detailed ground distribution information, refer to "GROUND DISTRIBUTION"



*1: LHD models
*2: RHD models

Engine control harness

- ★ F1 DGY/6 : To (F101)
- ★ F2 G/2 : Intake valve timing control solenoid valve
- ★ F3 GY/3 : Ignition coil No. 1 (With power transistor)
- ★ F4 GY/3 : Ignition coil No. 2 (With power transistor)
- ★ F5 GY/3 : Ignition coil No. 3 (With power transistor)
- ★ F6 GY/3 : Ignition coil No. 4 (With power transistor)
- ★ F7 GY/2 : Condenser
- ★ F8 — : Engine ground
- ★ F9 — : Engine ground
- ★ F10 GY/1 : Oil pressure switch
- ★ F11 B/3 : Power steering pressure sensor
- ★ F12 B/2 : Knock sensor
- ★ F13 B/3 : Crankshaft position sensor (POS)
- ★ F14 B/3 : Revolution sensor
- ★ F15 G/6 : Electronic throttle control actuator
- ★ F16 L/2 : EVAP canister purge volume control solenoid valve
- ★ F17 F18 : Engine coolant temperature sensor
- ★ F19 F20 : Camshaft position sensor (PHASE)
- ★ F21 G/4 : Heated oxygen sensor 1
- ★ F22 L/4 : Heated oxygen sensor 2
- ★ F23 B/8 : A/T solenoid valve
- ★ F24 B/10 : Park/Neutral position switch
- ★ F25 B/1 : Starter motor
- ★ F26 F27 : To (E60)
- ★ F28 GY/9 : To (E62)
- ★ F29 GY/8 : To (E61)
- ★ F30 DGY/8 : Mass air flow sensor
- ★ F31 B/6 : To (M61)
- ★ F32 BR/24 : To (M62)
- ★ F33 W/16 : To (M62)
- ★ F34 SMJ : ECM
- ★ F35 F36 : ECM relay
- ★ F37 BR/6 : TCM (Transmission control module)
- ★ F38 W/24 : TCM (Transmission control module)
- ★ F39 GY/24 : TCM (Transmission control module)
- ★ F40 — : Body ground

Engine control sub-harness

- ★ F101 B/6 : To (F1)
- ★ F102 GY/2 : Fuel injector No. 1
- ★ F103 GY/2 : Fuel injector No. 2
- ★ F104 GY/2 : Fuel injector No. 3
- ★ F105 GY/2 : Fuel injector No. 4

QR20 Engine Models with M/T

Engine control harness

★ F1	DGY/6	To (F101)
★ F2	G/2	Intake valve timing control solenoid valve
F4	GY/3	Ignition coil No. 1 (With power transistor)
F5	GY/3	Ignition coil No. 2 (With power transistor)
F6	GY/3	Ignition coil No. 3 (With power transistor)
F7	GY/3	Ignition coil No. 4 (With power transistor)
F8	GY/2	Condenser
★ F9	—	Engine ground
★ F10	—	Engine ground
F11	GY/1	Oil pressure switch
F12	B/3	Power steering pressure sensor
★ F13	B/2	Knock sensor
★ F14	B/3	Crankshaft position sensor (POS)
★ F16	G/6	Electronic throttle control actuator
★ F17	L/2	EVAP canister purge volume control solenoid valve
★ F18	GY/2	Engine coolant temperature sensor
★ F20	B/3	Camshaft position sensor (PHASE)
★ F21	G/4	Heated oxygen sensor 1
★ F22	L/4	Heated oxygen sensor 2
F25	B/1	Starter motor
★ F26	B/2	Park/Neutral position switch
F35	B/2	Back-up lamp switch
★ F36	GY/9	To (E60)
★ F38	DGY/8	To (E61)
★ F39	B/6	Mass air flow sensor
★ F41	BR/24	To (M61)
★ F43	SMJ	ECM
★ F44	BR/6	ECM relay
F49	—	Body ground

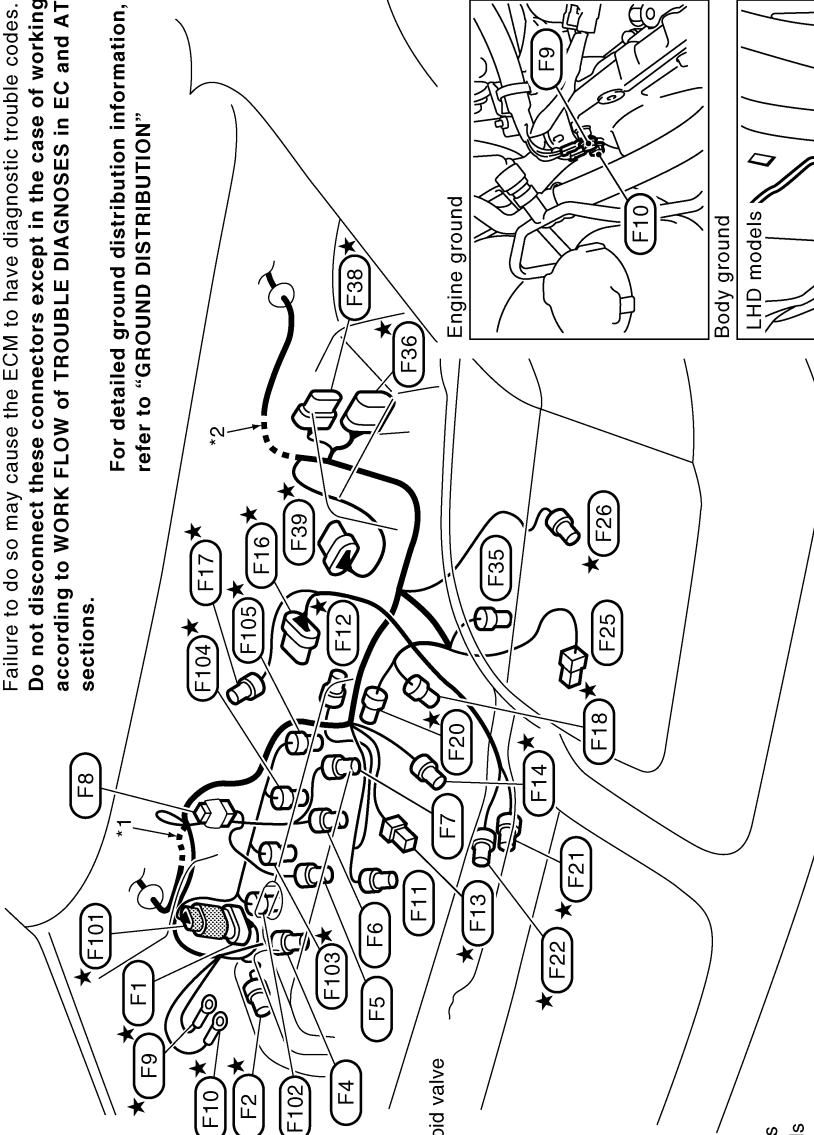
*1: LHD models
*2: RHD models

Engine control sub-harness

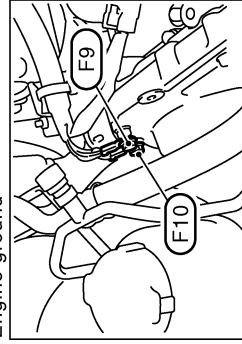
★ F101	B/6	To (F1)
★ F102	GY/2	Fuel injector No. 1
★ F103	GY/2	Fuel injector No. 2
★ F104	GY/2	Fuel injector No. 3
★ F105	GY/2	Fuel injector No. 4

★: Be sure to connect and lock the connectors securely after repair work. Failure to do so may cause the ECM to have diagnostic trouble codes. Do not disconnect these connectors except in the case of working according to WORK FLOW of TROUBLE DIAGNOSES in EC and AT sections.

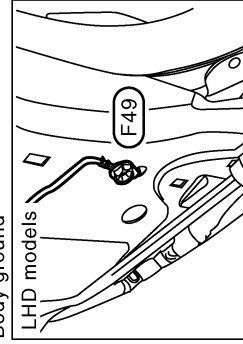
For detailed ground distribution information, refer to "GROUND DISTRIBUTION"



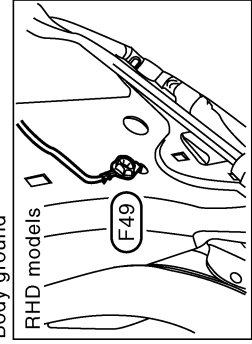
Engine ground



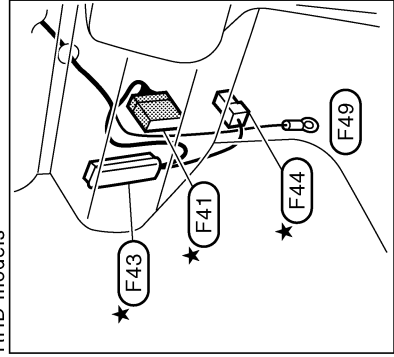
Body ground



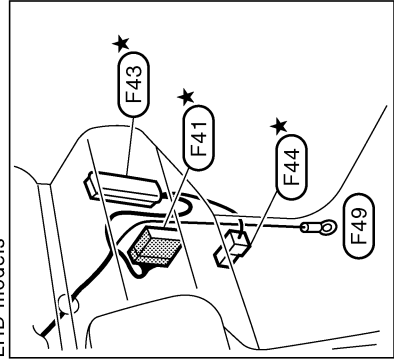
Body ground



RHD models



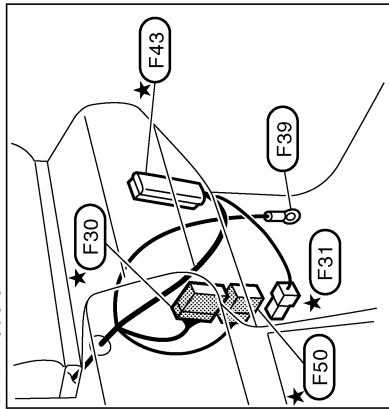
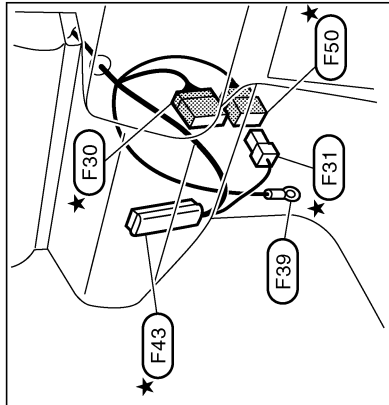
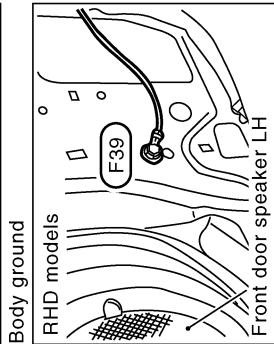
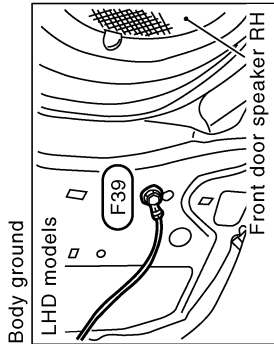
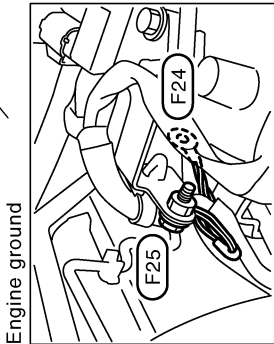
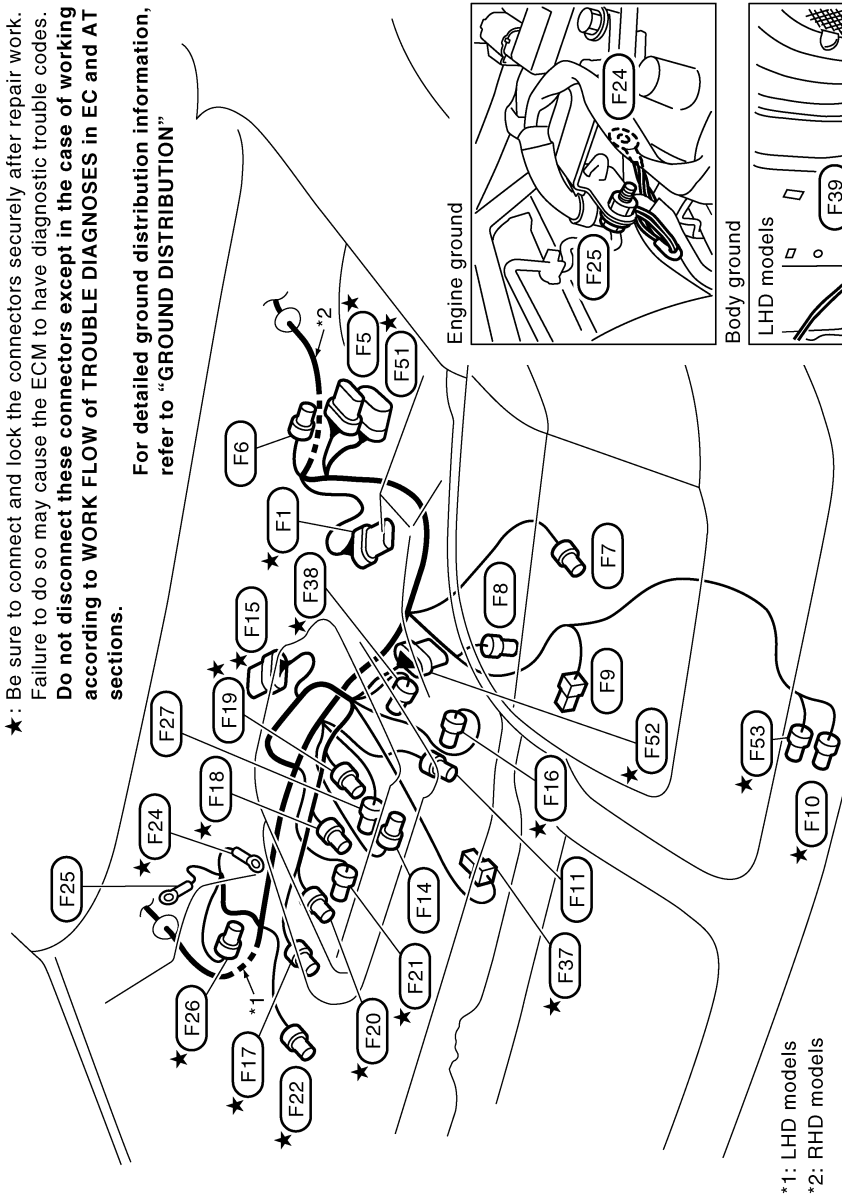
LHD models



Diesel Engine Models

★: Be sure to connect and lock the connectors securely after repair work.
Failure to do so may cause the ECM to have diagnostic trouble codes.
Do not disconnect these connectors except in the case of working according to WORK FLOW of TROUBLE DIAGNOSES in EC and AT sections.

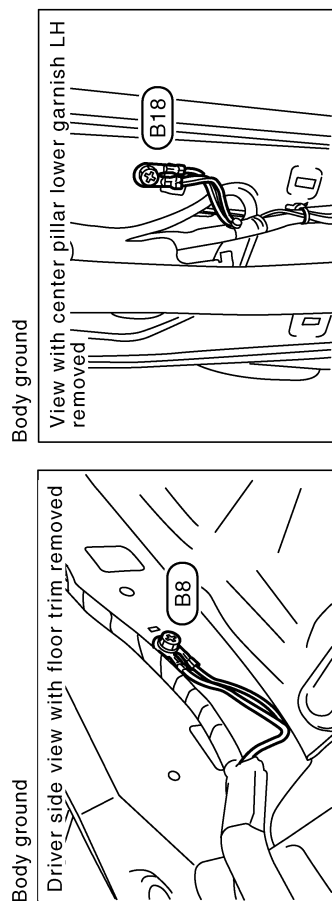
For detailed ground distribution information, refer to "GROUND DISTRIBUTION"



*1: LHD models
*2: RHD models

- | | | |
|------|-------|---|
| ★ F1 | B/6 | : Mass air flow sensor |
| ★ F5 | DGY/8 | : To (E64) |
| F6 | B/2 | : To (E65) |
| F7 | B/2 | : Park/Neutral position switch |
| F8 | B/2 | : Back-up lamp switch |
| F9 | B/1 | : Starter motor |
| F10 | B/3 | : Crankshaft position sensor |
| F11 | GY/1 | : Oil pressure switch |
| F14 | B/2 | : Power steering pressure switch |
| F15 | DGY/6 | : EGR volume control valve |
| F16 | B/3 | : Camshaft position sensor |
| F17 | GY/2 | : Fuel injector No. 1 |
| F18 | GY/2 | : Fuel injector No. 3 |
| F19 | GY/2 | : Fuel injector No. 4 |
| F20 | GY/2 | : Fuel injector No. 2 |
| F21 | G/2 | : Fuel pump temperature sensor |
| F22 | GY/2 | : Engine coolant temperature sensor |
| F24 | — | : Engine ground |
| F25 | — | : Engine ground |
| F26 | B/3 | : Fuel rail pressure sensor |
| F27 | GY/2 | : Fuel pump |
| F30 | W/16 | : To (M63) |
| F31 | BR/6 | : ECM relay |
| F37 | B/2 | : Turbocharger boost control solenoid valve |
| F38 | GY/3 | : Turbocharger boost sensor |
| F39 | — | : Body ground |
| F43 | SMJ | : ECM |
| F50 | GY/6 | : To (M127) |
| F51 | GY/10 | : To (E84) |
| F52 | B/6 | : Electric throttle control actuator (With DPF) |
| F53 | GY/4 | : Air fuel ratio (A/F) sensor (With DPF) |

BODY HARNESS/LHD MODELS



Body ground

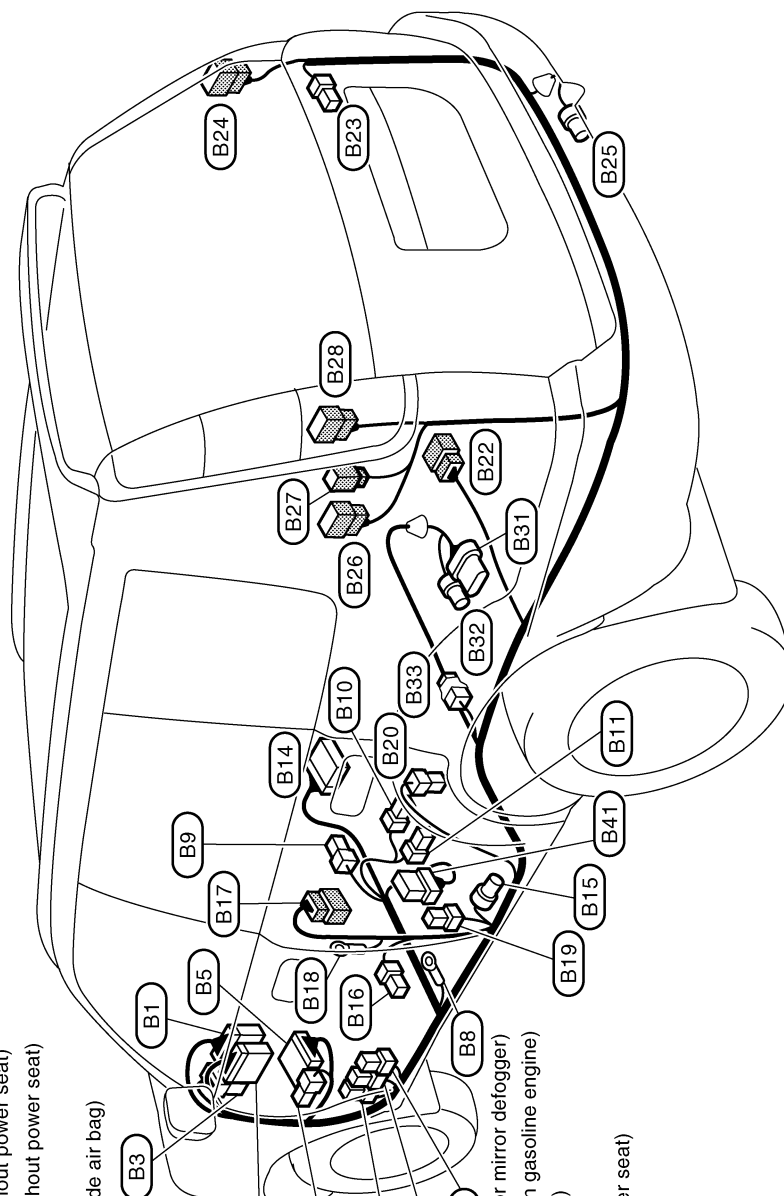
Body ground

View with center pillar lower garnish LH removed

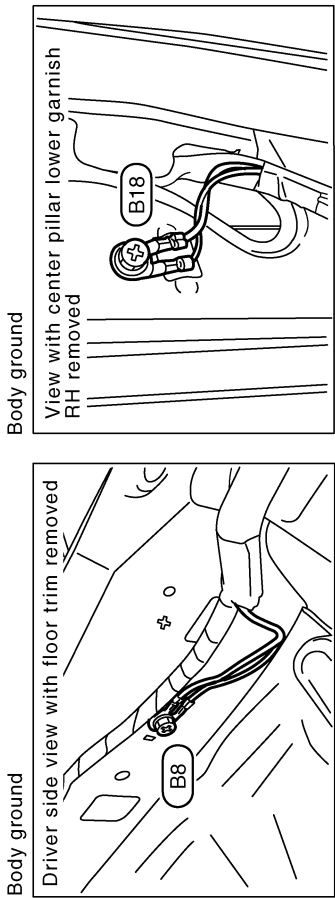
Driver side view with floor trim removed

For detailed ground distribution information, refer to "GROUND DISTRIBUTION".

- | | |
|-----|--|
| B1 | W/10 : To M17 |
| B2 | BR/20 : To M18 |
| B3 | W/6 : To M16 |
| B4 | W/3 : Fuse block (J/B) |
| B5 | W/10 : Fuse block (J/B) |
| B6 | BR/6 : Rear window defogger relay (With door mirror defogger) |
| B7 | L/4 : Fuel transport pump relay |
| B8 | — : Body ground |
| B9 | Y/2 : Front LH side air bag module (With side air bag) |
| B10 | W/3 : Seat belt buckle switch (Driver side) (Without power seat) |
| B11 | GY/3 : Heated seat LH (With heater seat and without power seat) |
| B14 | Y/12 : Air bag diagnosis sensor unit |
| B15 | Y/2 : LH side air bag (Satellite) sensor (With side air bag) |
| B16 | W/3 : Front door switch (Driver side) |
| B17 | W/8 : To D31 |
| B18 | — : Body ground |
| B19 | Y/2 : Front LH seat belt pre-tensioner |
| B20 | W/1 : Rear door switch LH |
| B22 | W/6 : To B123 |
| B23 | B/2 : Rear power socket |
| B24 | W/6 : Rear combination lamp RH |
| B25 | BR/2 : Rear fog lamp |
| B26 | W/6 : To D51 |
| B27 | W/3 : To D52 |
| B28 | W/6 : Rear combination lamp LH |
| B29 | L/4 : Rear window defogger relay (Without door mirror defogger) |
| B31 | GY/5 : Fuel level sensor unit and fuel pump (With gasoline engine) |
| B32 | GY/2 : Fuel level sensor unit (With diesel engine) |
| B33 | W/2 : Condenser (With gasoline engine) |
| B41 | W/6 : Front power seat (Driver side) (With power seat) |



BODY HARNESS/RHD MODELS

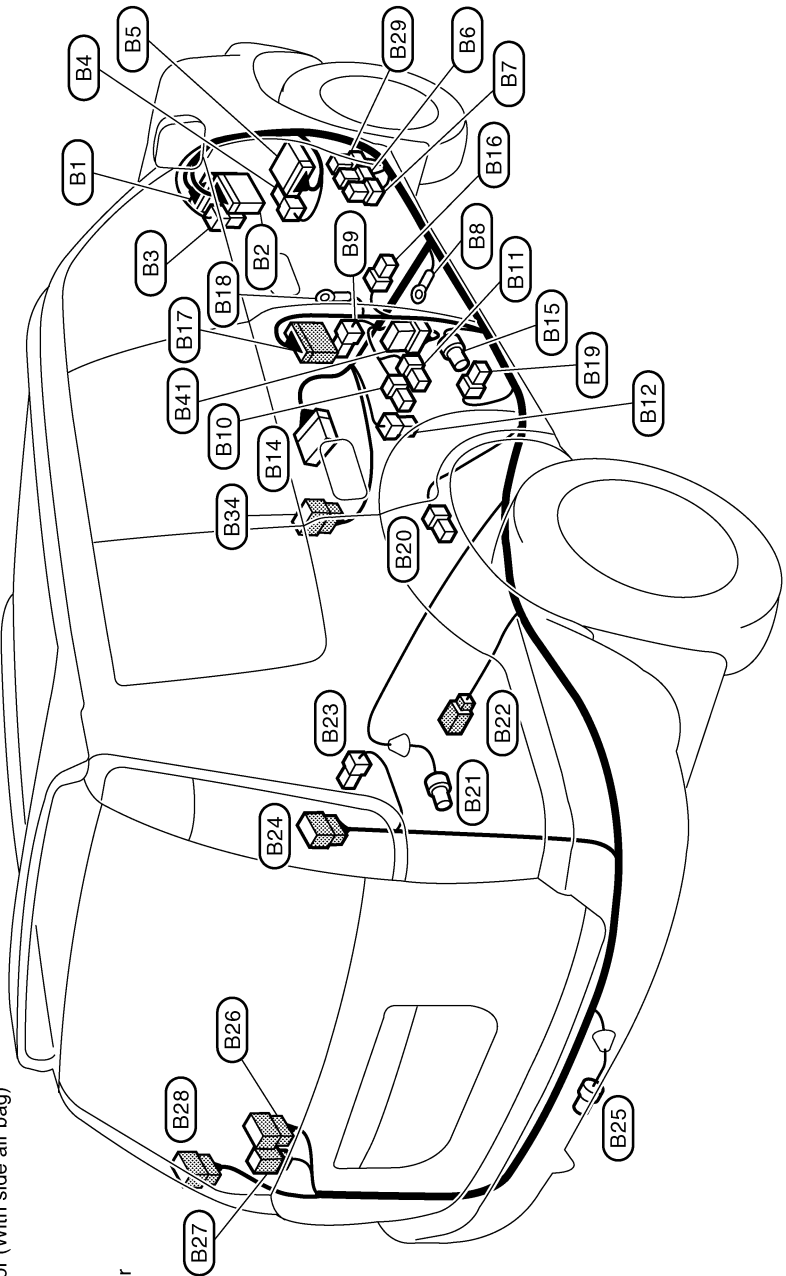


Body ground

Body ground

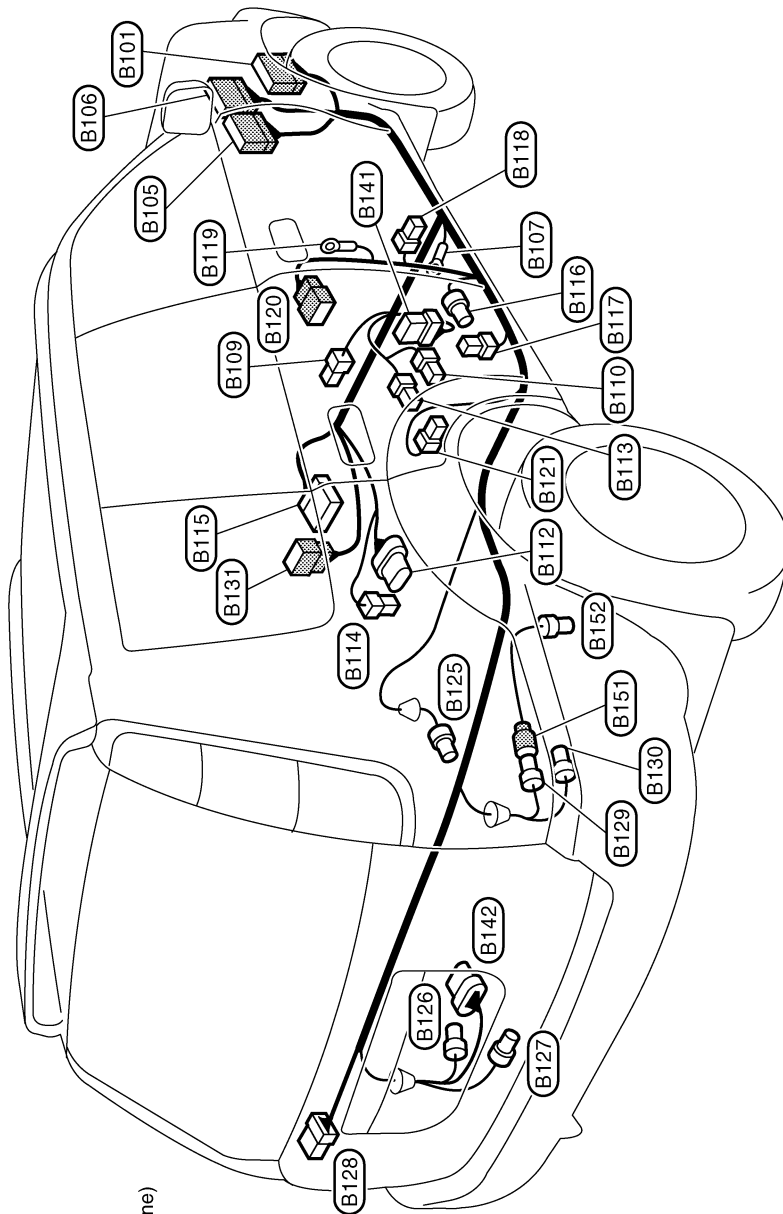
For detailed ground distribution information, refer to “GROUND DISTRIBUTION”.

- B1 W/12 : To M17
- B2 BR/20 : To M18
- B3 W/4 : To M16
- B4 W/3 : Fuse block (J/B)
- B5 W/10 : Fuse block (J/B)
- B6 BR/6 : Rear window defogger relay (With door mirror defogger)
- B7 L/4 : Fuel transport pump relay
- B8 — : Body ground
- B9 Y/2 : Front RH side air bag module (With side air bag)
- B10 W/3 : Seat belt buckle switch (Driver side) (Without power seat)
- B11 GY/3 : Heated seat RH (With heater seat and without power seat)
- B12 B/1 : Parking break switch
- B14 Y/12 : Air bag diagnosis sensor unit
- B15 Y/2 : RH side air bag (Satellite) sensor (With side air bag)
- B16 W/3 : Front door switch (Driver side)
- B17 W/10 : To D21
- B18 — : Body ground
- B19 Y/2 : Front RH seat belt pre-tensioner
- B20 W/1 : Rear door switch RH
- B21 GY/4 : Sub fuel level sensor unit
- B22 W/4 : To B128
- B23 B/2 : Rear power socket
- B24 W/6 : Rear combination lamp RH
- B25 BR/2 : Rear fog lamp
- B26 W/6 : To D51
- B27 W/3 : To D52
- B28 W/6 : Rear combination lamp LH
- B29 L/4 : Rear window defogger relay (Without door mirror defogger)
- B34 W/8 : Heated seat switch
- B41 W/6 : Front power seat (Driver side) (With power seat)

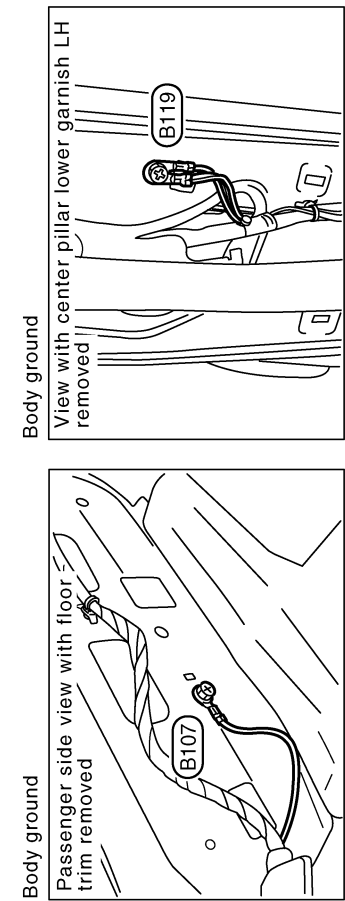


BODY NO. 2 HARNESS/LHD MODELS

B151 B/2 : To B129
B152 GY/2 : 4WD solenoid



BODY NO. 2 HARNESS/RHD MODELS



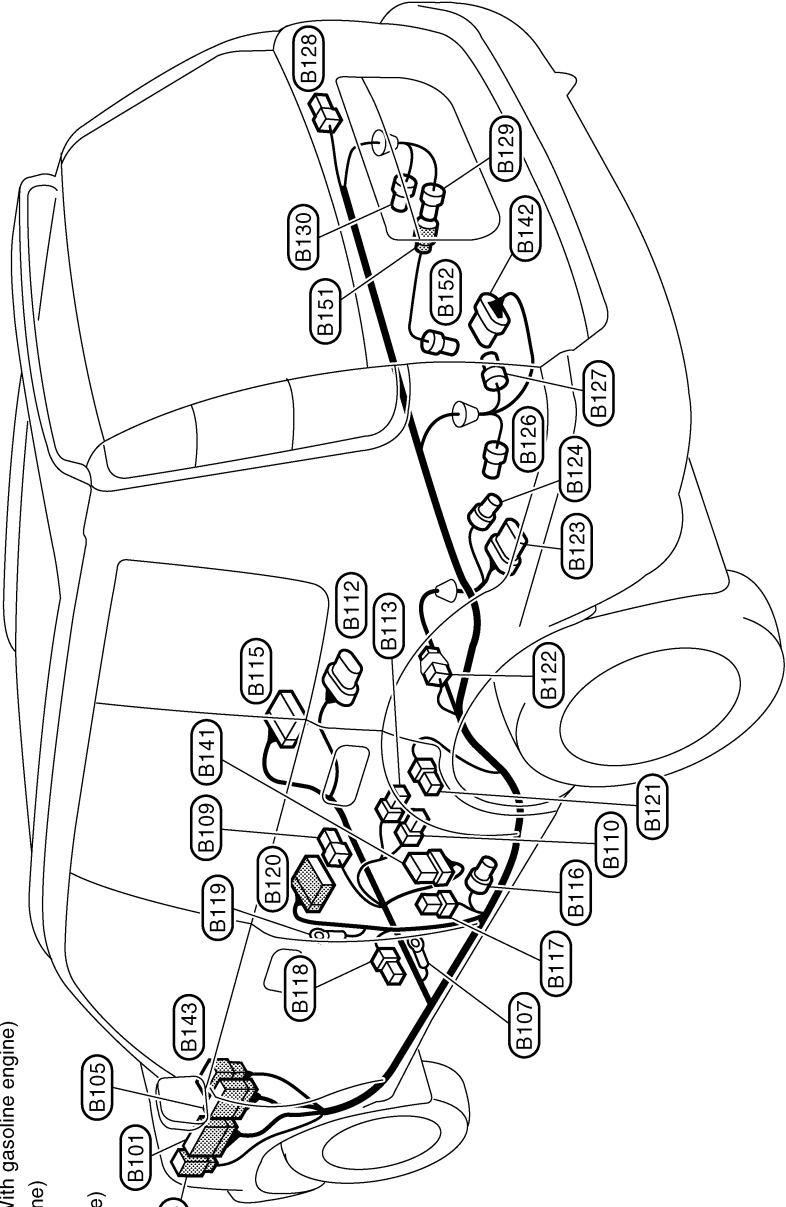
For detailed ground distribution information, refer to "GROUND DISTRIBUTION".

Body No.2 harness

- B101 W/10 : To E117
- B105 BR/16 : To M78
- B107 — : Body ground
- B109 Y/2 : Front LH side air bag module (With side air bag)
- B110 GY/3 : Heated seat LH (With heater seat and without power seat)
- B112 B/6 : Yaw rate / G sensor
- B113 W/3 : Seat belt buckle switch (Passenger side) (Without power seat)
- B115 Y/12 : Air bag diagnosis sensor unit
- B116 Y/2 : LH side air bag (Satellite) sensor (With side air bag)
- B117 Y/2 : Front LH seat belt pre-tensioner
- B118 W/3 : Front door switch (Passenger side)
- B119 — : Body ground
- B120 W/10 : To D31
- B121 W/1 : Rear door switch LH
- B122 W/2 : Condenser (With gasoline engine)
- B123 GY/5 : Fuel level sensor unit and fuel pump (With gasoline engine)
- B124 GY/2 : Fuel level sensor unit (With diesel engine)
- B126 L/2 : Rear wheel sensor LH
- B127 GY/2 : Fuel transport pump (With diesel engine)
- B128 W/4 : To B22
- B129 B/2 : To B151
- B130 GY/2 : Rear wheel sensor RH
- B133 W/4 : To E126
- B141 W/6 : Front power seat (Passenger side) (With power seat)
- B142 GY/6 : To Height sensor (With xenon headlamp)
- B143 W/6 : To M124 (With xenon headlamp)

Transmission sub-harness

- B151 B/2 : To B129
- B152 GY/2 : 4WD solenoid



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ROOM LAMP HARNESS

- R7

W/2

: Luggage room lamp
- R8

—

: Body ground
- R9

GY/2

: Driving lamp LH
- R10

W/3

: Driving lamp RH
- R11

W/3

: Map lamp (With sunroof)
- R12

W/3

: Read lamp LH
- R13

W/3

: Read lamp RH

- R1

W/8

: To (M73)
- R2

W/2

: Map lamp (Without sunroof)
- R3

GY/6

: Sunroof switch
- R4

W/2

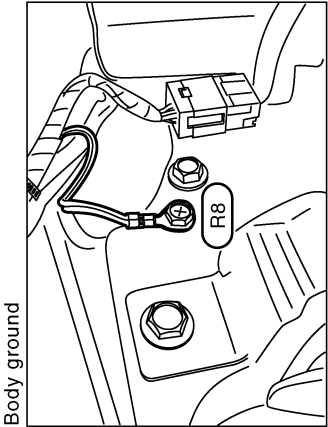
: Interior room lamp
- R5

W/6

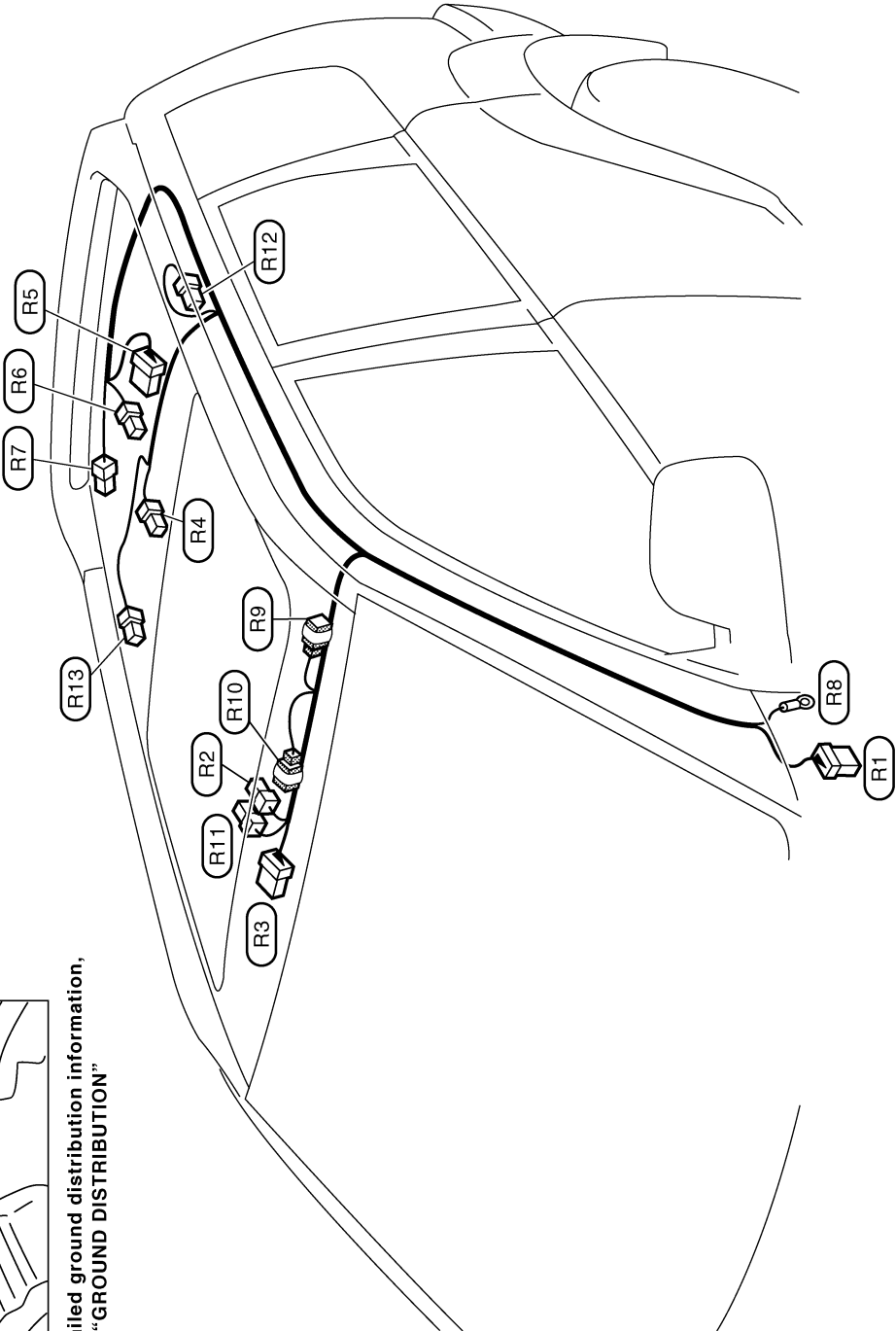
: Sunroof motor assembly
- R6

W/1

: Sunroof motor assembly



For detailed ground distribution information,
refer to “GROUND DISTRIBUTION”

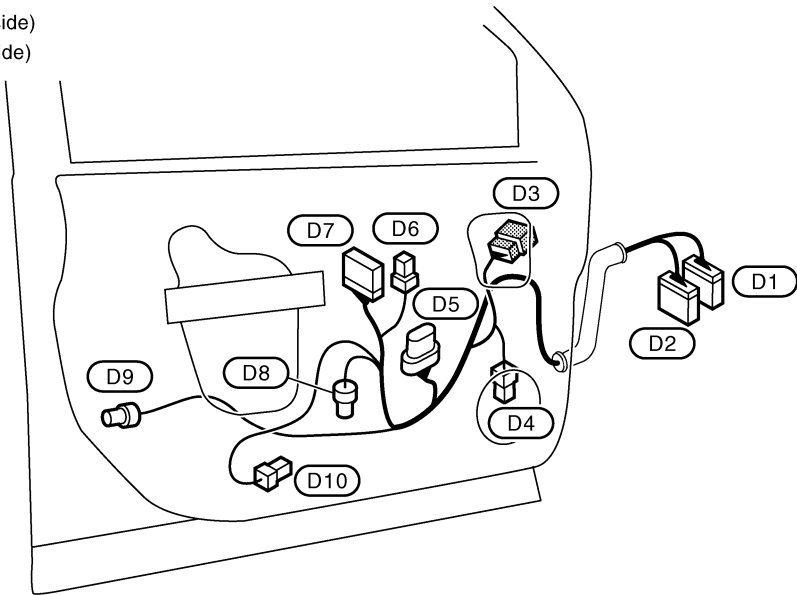


HARNESS

FRONT DOOR HARNESS/LHD MODELS

LH Side

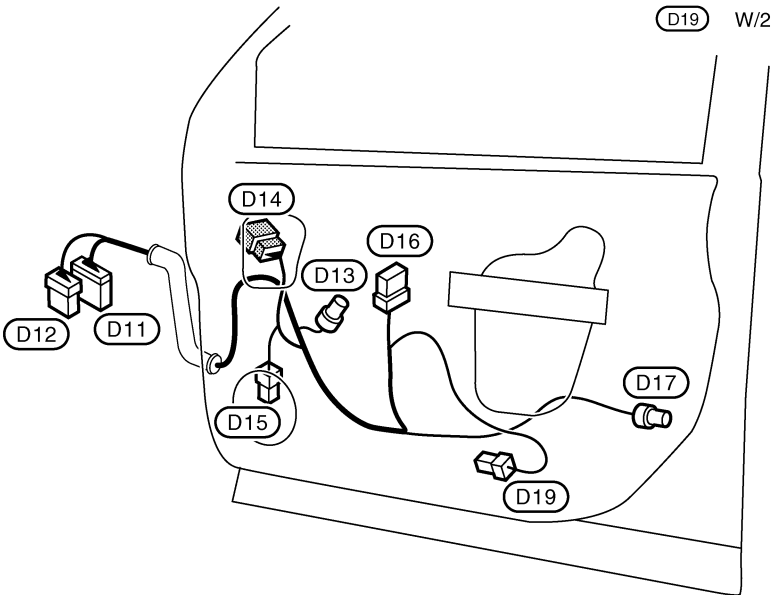
- (D1) W/16 : To (M21)
- (D2) BR/12 : To (M22)
- (D3) W/8 : Door mirror actuator (Driver side)
- (D4) W/2 : Front door speaker LH
- (D5) GY/6 : Front power window motor (Driver side)
- (D6) W/3 : Power window main switch
- (D7) W/16 : Power window main switch
- (D8) BR/3 : Door key cylinder switch (Driver side)
- (D9) GY/4 : Front door lock actuator (Driver side)
- (D10) W/2 : Step lamp (Driver side)



TKIB0684E

RH Side

- (D11) W/12 : To (M77)
- (D12) BR/8 : To (M76)
- (D13) BR/2 : Front power window motor (Passenger side)
- (D14) W/8 : Door mirror actuator (Passenger side)
- (D15) W/2 : Front door speaker RH
- (D16) W/8 : Front power window switch (Passenger side)
- (D17) GY/4 : Front door lock actuator (Passenger side)
- (D19) W/2 : Step lamp (Passenger side)



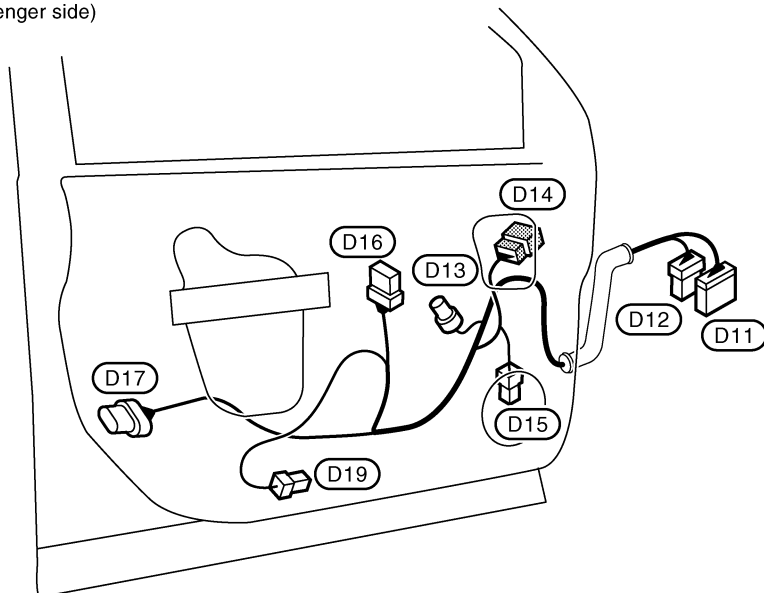
TKIB0685E

HARNESS

FRONT DOOR HARNESS/RHD MODELS

LH Side

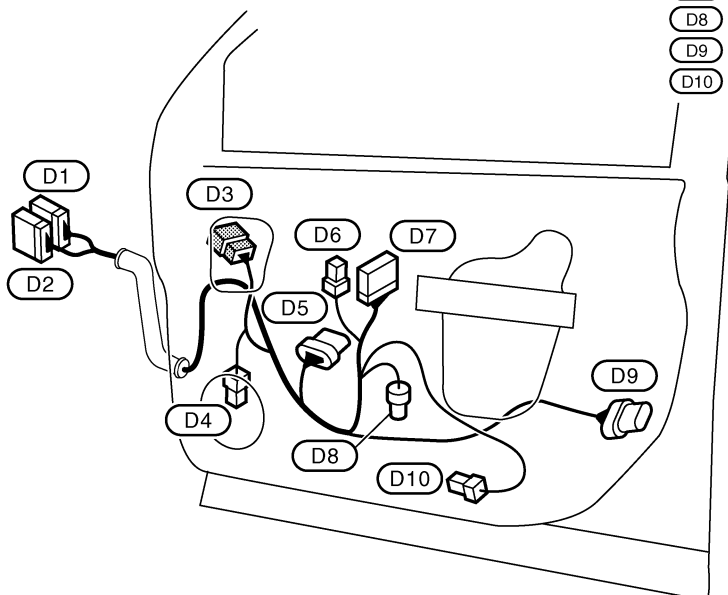
- (D11) W/12 : To (M77)
- (D12) BR/8 : To (M76)
- (D13) BR/2 : Front power window motor (Passenger side)
- (D14) W/8 : Door mirror actuator (Passenger side)
- (D15) W/2 : Front door speaker LH
- (D16) W/8 : Front power window switch (Passenger side)
- (D17) B/6 : Front door lock actuator (Passenger side)
- (D19) W/2 : Step lamp (Passenger side)



TKIB0686E

RH Side

- (D1) W/18 : To (M21)
- (D2) BR/12 : To (M22)
- (D3) W/8 : Door mirror actuator (Driver side)
- (D4) W/2 : Front door speaker RH
- (D5) GY/6 : Front power window motor (Driver side)
- (D6) W/3 : Power window main switch
- (D7) W/16 : Power window main switch
- (D8) BR/3 : Door key cylinder switch (Driver side)
- (D9) B/6 : Front door lock actuator (Driver side)
- (D10) W/2 : Step lamp (Driver side)



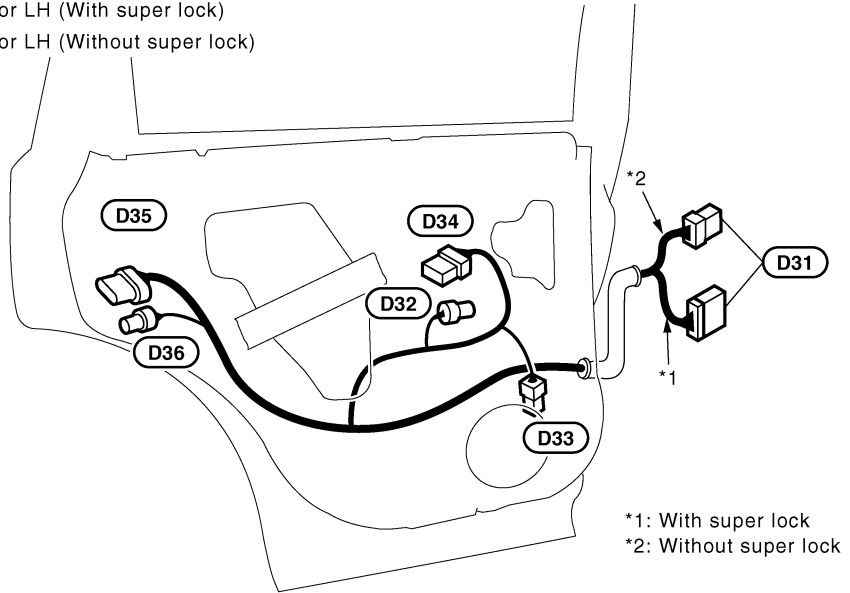
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HARNESS

REAR DOOR HARNESS

LH Side

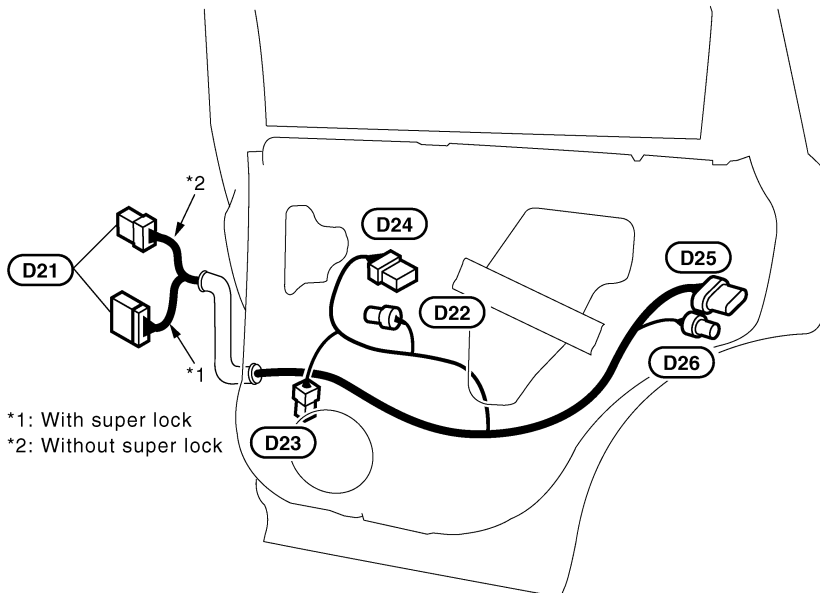
- (D31) W/8 : To (B17) (LHD models) (Without super lock)
- W/10 : To (B120) (RHD models) (With super lock)
- (D32) BR/2 : Rear power window motor LH
- (D33) W/2 : Rear door speaker LH
- (D34) W/8 : Rear power window switch LH
- (D35) B/6 : Rear door lock actuator LH (With super lock)
- (D36) GY/4 : Rear door lock actuator LH (Without super lock)



TKIA0160E

RH Side

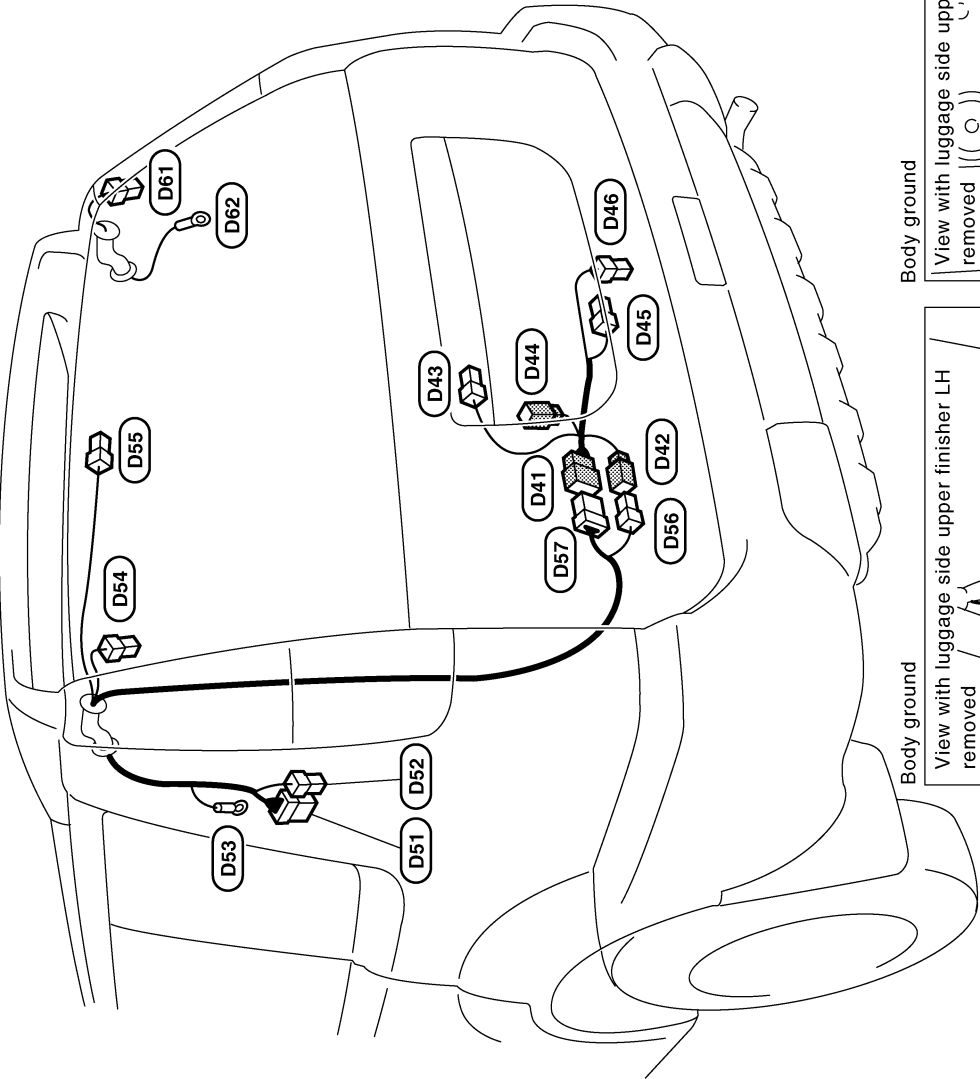
- (D21) W/10 : To (B17) (RHD models) (With super lock)
- W/8 : To (B120) (LHD models) (Without super lock)
- (D22) BR/2 : Rear power window motor RH
- (D23) W/2 : Rear door speaker RH
- (D24) W/8 : Rear power window switch RH
- (D25) B/6 : Rear door lock actuator RH (With super lock)
- (D26) GY/4 : Rear door lock actuator RH (Without super lock)



TKIA0161E

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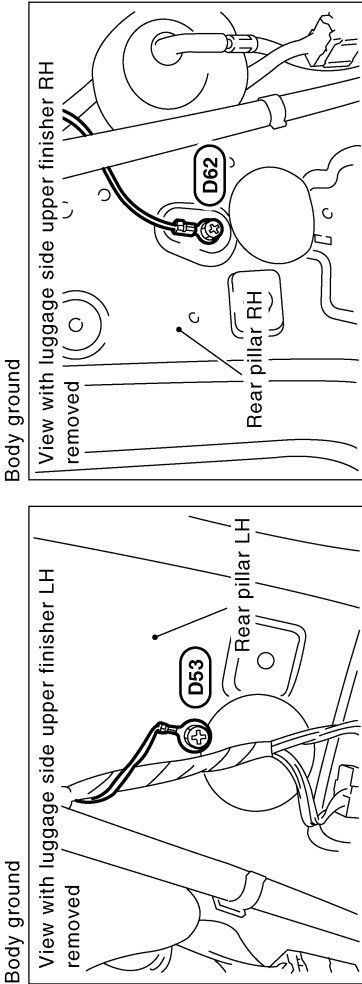
BACK DOOR HARNESS



- Back door harness**
- D41 W/6 : To D57
 - D42 B/2 : To D56
 - D43 W/4 : Rear wiper motor
 - D44 W/2 : License lamp
 - D45 W/3 : Back door switch
 - D46 W/4 : Back door lock actuator

- Back door sub-harness**
- D51 W/6 : To B26
 - D52 W/3 : To B27
 - D53 — : Body ground
 - D54 W/1 : Rear window defogger (+)
 - D55 W/2 : High-mounted stop lamp
 - D56 B/2 : To D42
 - D57 W/6 : To D41

- Rear window defogger harness**
- D61 W/1 : Rear window defogger (-)
 - D62 — : Body ground



For detailed ground distribution information, refer to "GROUND DISTRIBUTION".

HARNESS

Wiring Diagram Codes (Cell Codes)

BKS000S4

Use the chart below to find out what each wiring diagram code stands for.

Refer to the wiring diagram code in the alphabetical index to find the location (page number) of each wiring diagram.

Code	Section	Wiring Diagram Name
1STSIG	AT	A/T 1st Signal
2NDSIG	AT	A/T 2nd Signal
3RDSIG	AT	A/T 3rd Signal
4THSIG	AT	A/T 4th Signal
4WD	TF	4WD Control system
A/C	ATC	Air Conditioner
A/FH	EC	Air Fuel Ratio Sensor Heater
ABS	BRC	Anti-Lock Brake System
AF/SEN	EC	Air Fuel Ratio Sensor
APP1PW	EC	Accelerator Pedal Position Sensor 1 Power Supply
APP2PW	EC	Accelerator Pedal Position Sensor 2 Power Supply
APPS1	EC	Accelerator Pedal Position Sensor
APPS2	EC	Accelerator Pedal Position Sensor
APPS3	EC	Accelerator Pedal Position Sensor
ASC/BS	EC	Automatic Speed Control Device (ASCD) Brake Switch
ASC/SW	EC	Automatic Speed Control Device (ASCD) Steering Switch
ASCBOF	EC	Automatic Speed Control Device (ASCD) Brake Switch
ASCIND	EC	Automatic Speed Control Device (ASCD) Indicator
AT/IND	DI	A/T Indicator Lamp
AUDIO	AV	Audio
BA/FTS	AT	A/T Fluid Temperature Sensor and TCM Power Supply
BACK/L	LT	Back-Up Lamp
BOOST	EC	Turbocharger Boost Sensor
BRK/SW	EC	Brake Switch
CAN	AT	CAN Communication Line
CAN	EC	CAN Communication Line
CAN	LAN	CAN System
CHARGE	SC	Charging System
CHIME	DI	Warning Chime
CIGAR	WW	Cigarette Lighter
CKPS	EC	Crankshaft Position Sensor
CLOCK	DI	Clock
CMPS	EC	Camshaft Position Sensor
COOL/F	EC	Cooling Fan Control
D/LOCK	BL	Power Door Lock
DEF	GW	Rear Window Defogger
DEPS	EC	Differential Exhaust Pressure Sensor
DPFWL	EC	Diesel Particulate Filter (DPF) Warning Light
DTRL	LT	Headlamp - With Daytime Light System
ECM/PW	EC	ECM Power Supply for Back-Up
ECMRLY	EC	ECM Relay

HARNESS

Code	Section	Wiring Diagram Name
ECTS	EC	Engine Coolant Temperature Sensor
EGRVLV	EC	EGR Volume Control Valve
EGVC/V	EC	EGR Volume Control Valve
ENGSS	AT	Engine Speed Signal
ERATS	EC	Engine Room Air Temperature Sensor
ESP	BRC	ESP/TCS/ABS Control System
ETC	EC	Electric Throttle Control Motor
ETC1	EC	Electric Throttle Control Function
ETC2	EC	Electric Throttle Control Motor Relay
ETC3	EC	Electric Throttle Control Motor
F/FOG	LT	Front Fog Lamp
F/PUMP	EC	Fuel Pump
FEGTS	EC	Front Exhaust Gas Temperature Sensor
FRO2	EC	Front Heated Oxygen Sensor
FRO2/H	EC	Front Heated Oxygen Sensor Heater
FRPS	EC	Fuel Rail Pressure Sensor
FTP	EC	Fuel Transport Pump
FTS	AT	A/T Fluid Temperature Sensor Circuit
FTS	EC	Fuel Temperature Sensor
FUEL	EC	Fuel Injection System Function
GLORLY	EC	Glow Relay
GLOW	EC	Glow Control System
H/AIM	LT	Headlamp Aiming Control System
H/LAMP	LT	Headlamp
HLC	WW	Headlamp Cleaner
HO2S1	EC	Heated Oxygen Sensor 1
HO2S1H	EC	Heated Oxygen Sensor 1 Heater
HO2S2	EC	Heated Oxygen Sensor 2
HO2S2H	EC	Heated Oxygen Sensor 2 Heater
HORN	WW	Horn
HSEAT	SE	Heated Seat
IATS	EC	Intake Air Temperature Sensor
IATSEN	EC	Intake Air Temperature Sensor
IGNSYS	EC	Ignition System
ILL	LT	Illumination
INJ/PW	EC	Fuel Injector Power Supply Circuit
INJECT	EC	Fuel Injector
INT/L	LT	Map Lamp
IVC	EC	Intake Valve Timing Control Solenoid Valve
KS	EC	Knock Sensor
LOAD	EC	Electrical Load Signal
LPSV	AT	Line Pressure Solenoid Valve
MAFS	EC	Mass Air Flow Sensor
MAIN	AT	Main Power Supply and Ground Circuit

HARNESS

Code	Section	Wiring Diagram Name	
MAIN	EC	Main Power Supply and Ground Circuit	A
METER	DI	Speedometer, Tachometer, Temp. and Fuel Gauges	
MIL/DL	EC	MIL & Data Link Connector	B
MIRROR	GW	Door Mirror	
MULTI	BL	Multi-Remote Control System	C
NATS	BL	Nissan Anti-Theft System	
NAVI	AV	Navigation System	
NONDTC	AT	Non-Detective Items	D
OVRCSV	AT	Overrun Clutch Solenoid Valve	
P/SCKT	WW	Power Socket	E
PGC/V	EC	EVAP Canister Purge Volume Control Solenoid Valve	
PHASE	EC	Camshaft Position Sensor (PHASE)	
PHONE	AV	Telephone (Pre-wire)	F
PNP/SW	AT	Park/Neutral Position Switch	
PNP/SW	EC	Park/Neutral Position Switch	
PNPSW1	EC	Park/Neutral Position Switch	G
POS	EC	Crankshaft Position Sensor (CKPS) (POS)	
POWER	PG	Power Supply Routing	H
PRGVLV	EC	EVAP Canister Purge Volume Control Solenoid Valve	
PRWIRE	BL	Theft Warning System (Pre-wire)	
PS/SEN	EC	Power Steering Pressure Sensor	I
PST/SW	EC	Power Steering Oil Pressure Switch	
R/FOG	LT	Rear Fog Lamp	J
REGTS	EC	Rear Exhaust Gas Temperature Sensor	
ROOM/L	LT	Interior Room Lamp	
RP/SEN	EC	Refrigerant Pressure Sensor	PG
RRO2	EC	Rear Heated Oxygen Sensor	
RRO2/H	EC	Rear Heated Oxygen Sensor Heater	
S/LOCK	BL	Power Door Lock - Super Lock	L
S/SIG	EC	Start Signal	
S/WARN	SB	Seat Belt Warning System	M
SEAT	SE	Power Seat	
SEN/PW	EC	Sensor Power Supply	
SHIFT	AT	A/T Shift Lock System	
SROOF	RF	Sunroof	
SRS	SRS	Supplemental Restraint System	
SSV/A	AT	Shift Solenoid Valve A	
SSV/B	AT	Shift Solenoid Valve B	
START	SC	Starting System	
STEP/L	LT	Step Lamp	
STOP/L	LT	Stop Lamp	
TAIL/L	LT	Parking, License and Tail Lamps	
TCC/V	EC	Turbocharger Boost Control Solenoid Valve	
TCCSV	EC	Turbocharger Boost Control Solenoid Valve	

HARNESS

Code	Section	Wiring Diagram Name
TCV	AT	Torque Converter Clutch Solenoid Valve
TPS	AT	Throttle Position Sensor
TPS	EC	Throttle Position Sensor
TPS1	EC	Throttle Position Sensor (Sensor 1)
TPS2	EC	Throttle Position Sensor (Sensor 2)
TPS3	EC	Throttle Position Sensor
TURN	LT	Turn Signal and Hazard Warning Lamp
VIAS	EC	Variable Induction Air Control System
VSSA/T	AT	Vehicle Speed Sensor A/T (Revolution Sensor)
VSSMTR	AT	Vehicle Speed Sensor MTR
WARN	DI	Warning Lamps
WINDOW	GW	Power Window
WIP/R	WW	Rear Wiper and Washer
WIPER	WW	Front Wiper and Washer

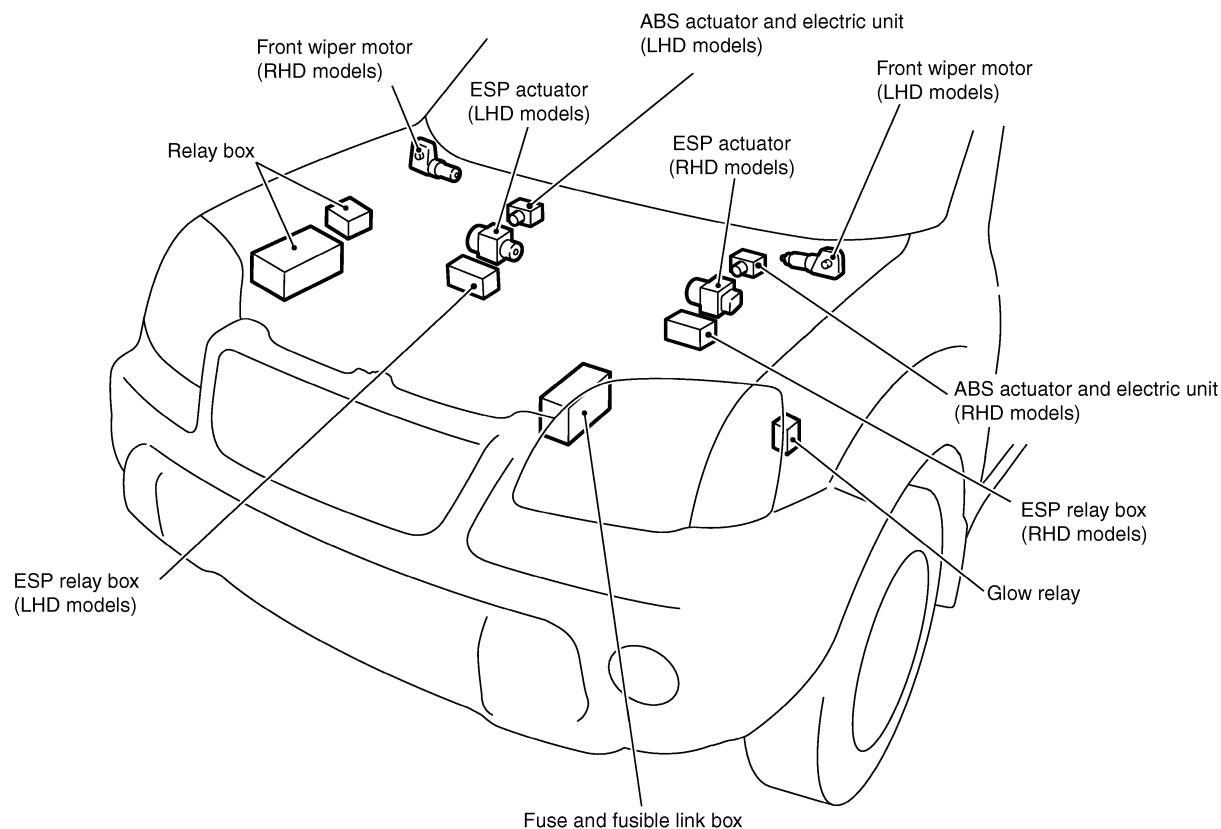
ELECTRICAL UNITS LOCATION

ELECTRICAL UNITS LOCATION

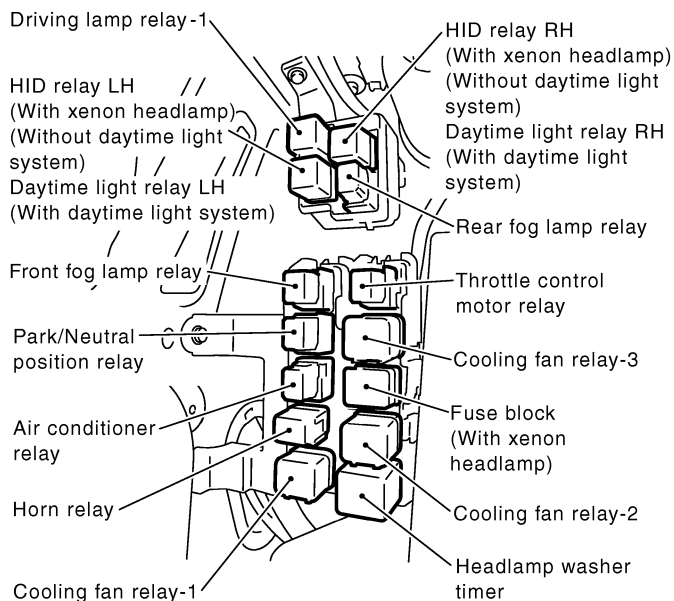
PFP:25230

Electrical Units Location ENGINE COMPARTMENT

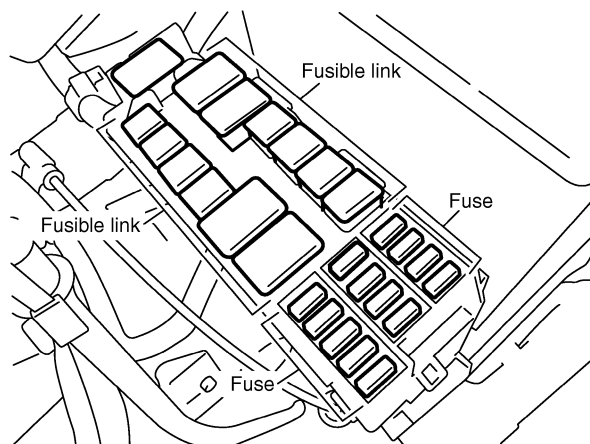
BKS000S5



Relay box

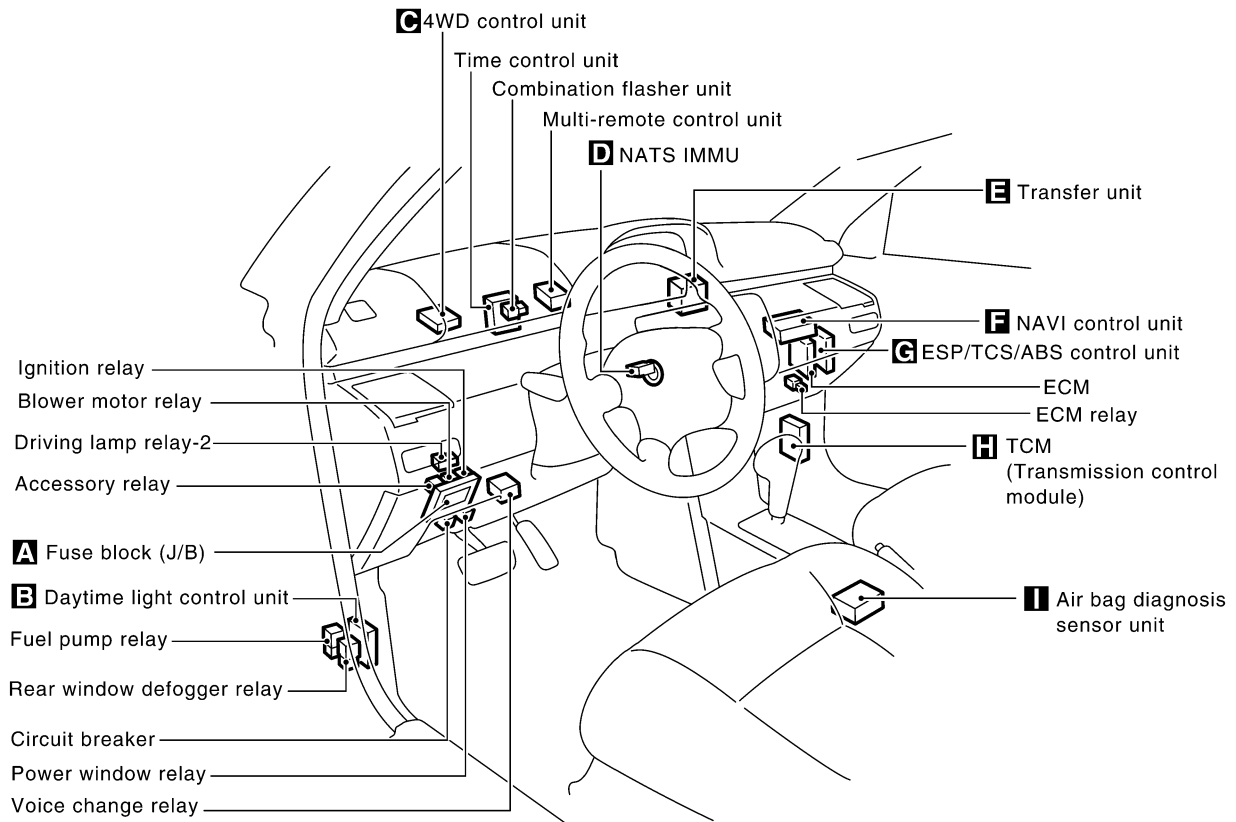


Fuse and fusible link box

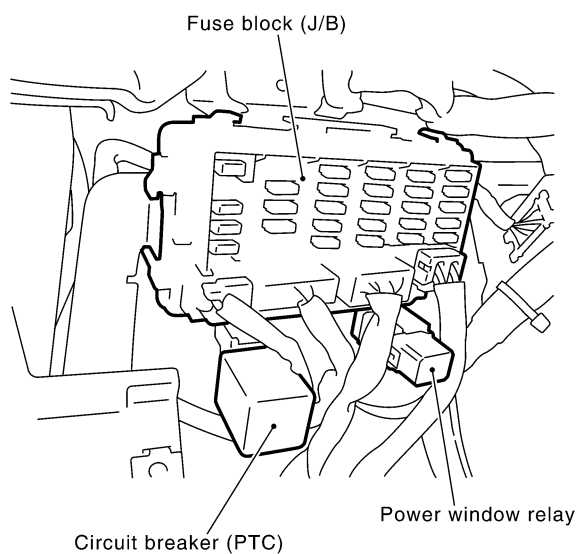


ELECTRICAL UNITS LOCATION

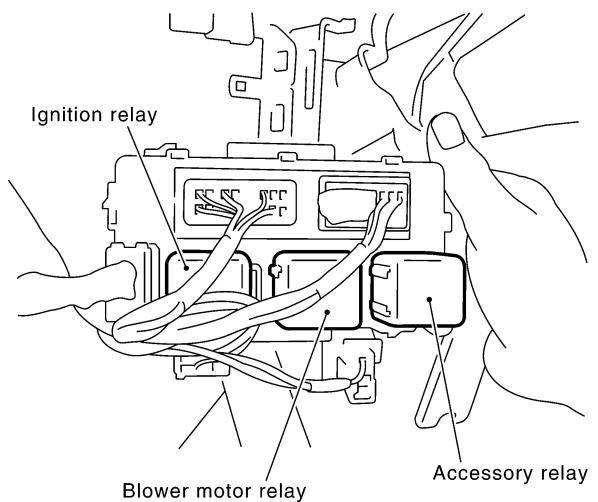
PASSENGER COMPARTMENT/LHD MODELS



A Instrument panel LH



Back of the fuse block (J/B)



ELECTRICAL UNITS LOCATION

A
B
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H
I
J
PG
L
M

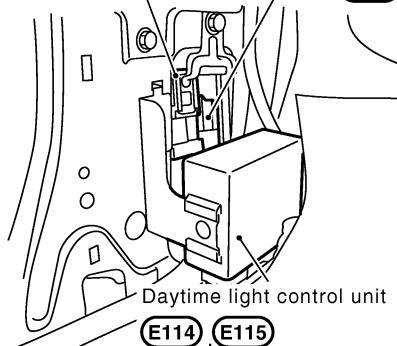
B Driver side view with dash side lower finisher removed

Rear window defogger relay

B6 (With door mirror defogger)

B29 (Without door mirror defogger)

Fuel pump relay **B7**



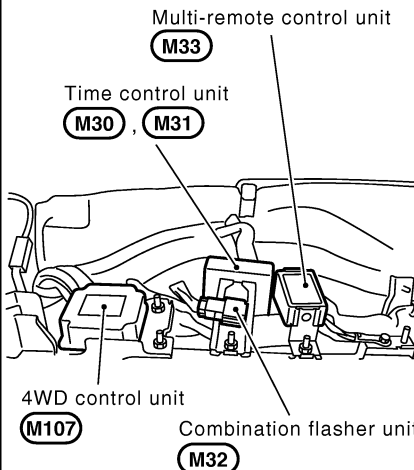
C Driver side view with upper instrument panel removed

Multi-remote control unit **M33**

Time control unit **M30**, **M31**

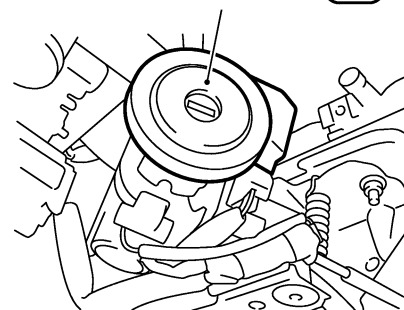
4WD control unit **M107**

Combination flasher unit **M32**



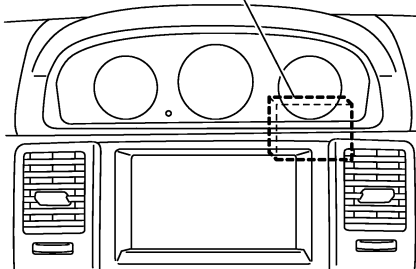
D

NATS IMMU **E109**



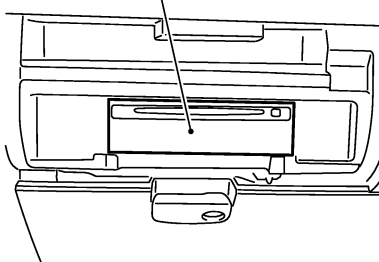
E View with instrument panel center

Transfer unit **M111**



F Upper glove box

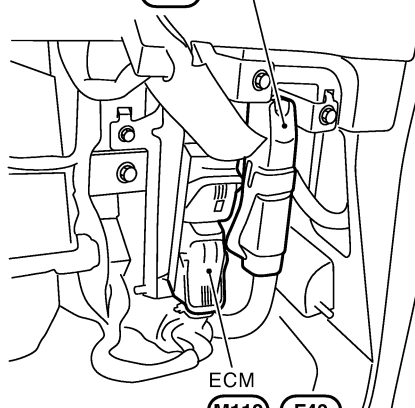
NAVI control unit **M116**, **M117**



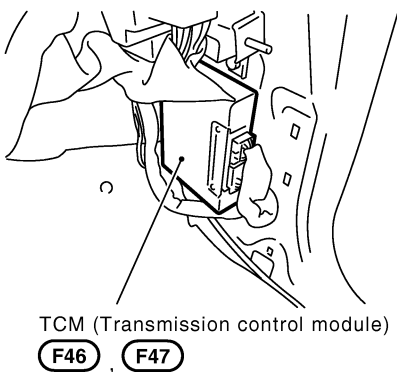
G Behind lower instrument panel on passenger side

ESP/TCS/ABS control unit **E122**

ECM **M118**, **F43**

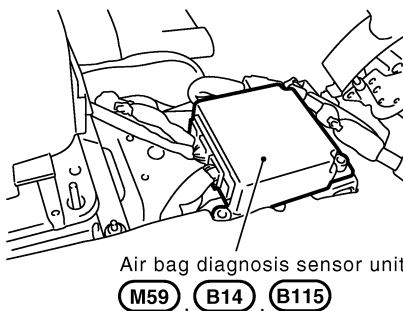


H Passenger side view with dash side lower finisher removed



I Behind the console box assembly

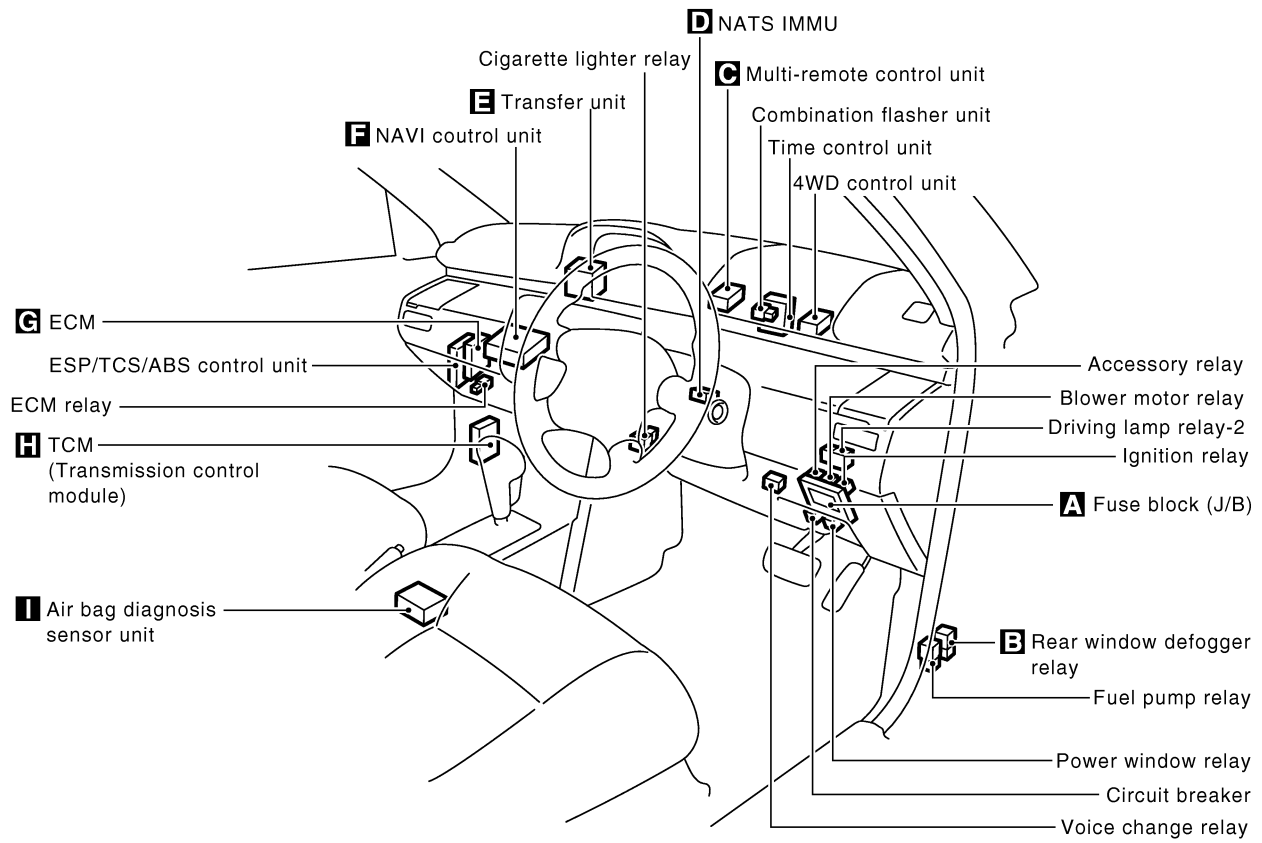
Air bag diagnosis sensor unit **M59**, **B14**, **B115**



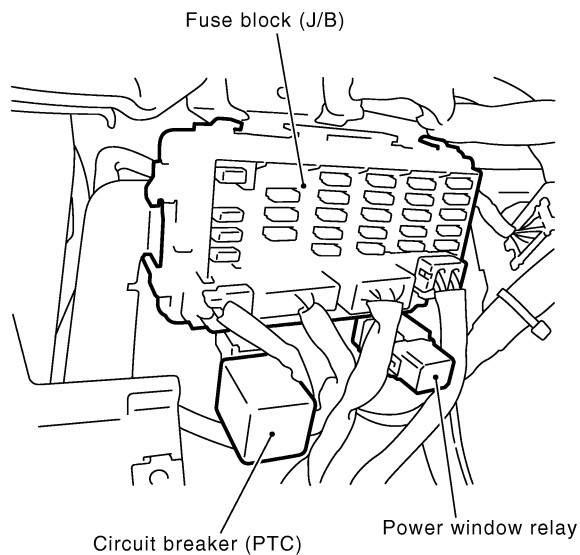
CKIB0116E

ELECTRICAL UNITS LOCATION

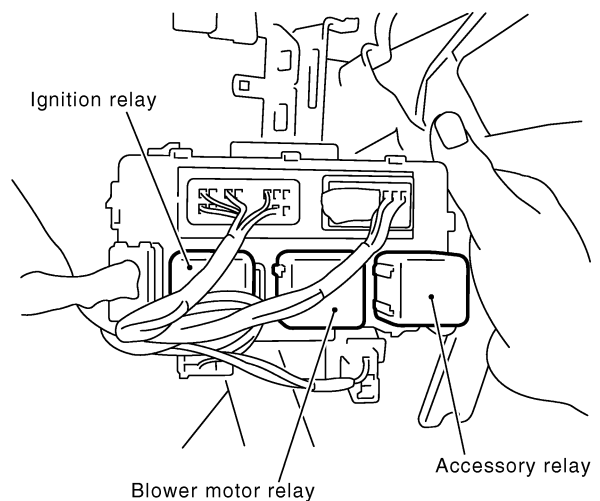
PASSENGER COMPARTMENT/RHD MODELS



A Instrument panel RH

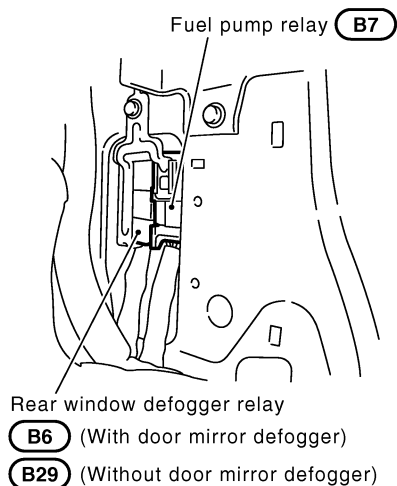


Back of the fuse block (J/B)

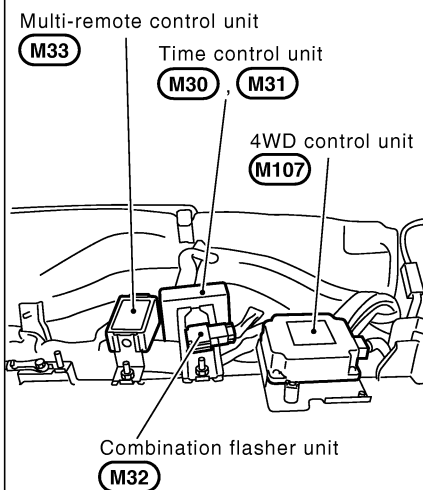


ELECTRICAL UNITS LOCATION

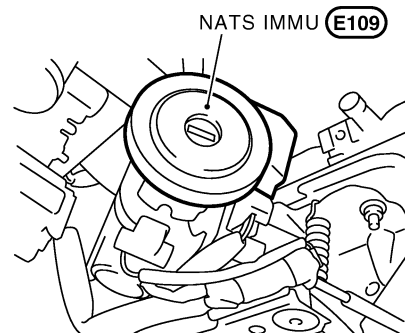
B Driver side view with dash side lower finisher removed



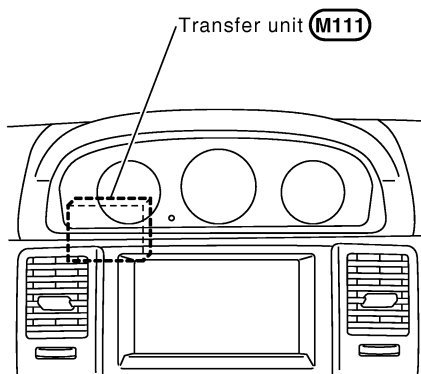
C Driver side view with upper instrument panel removed



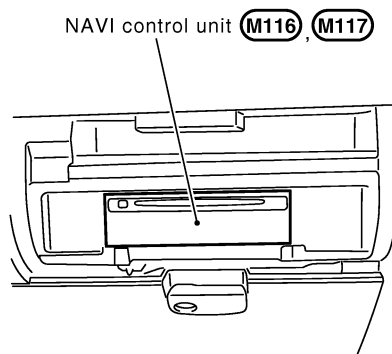
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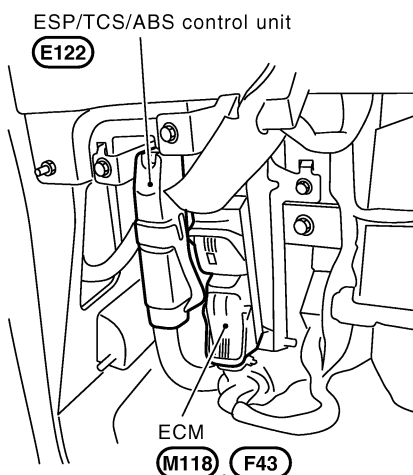
E View with instrument panel center



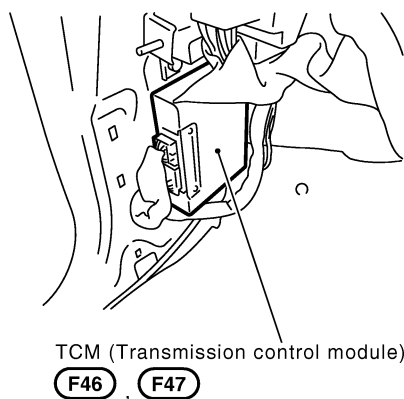
F Upper glove box



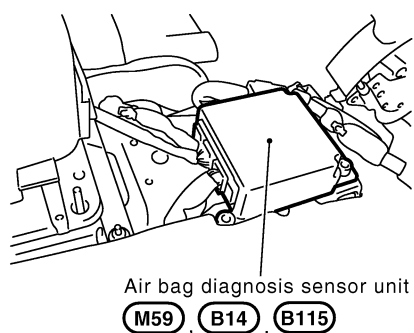
G Behind lower instrument panel on passenger side



H Passenger side view with dash side lower finisher removed



I Behind the console box assembly



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PG
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HARNESS CONNECTOR

PFP:00011

Description

HARNESS CONNECTOR (TAB-LOCKING TYPE)

BKS000S6

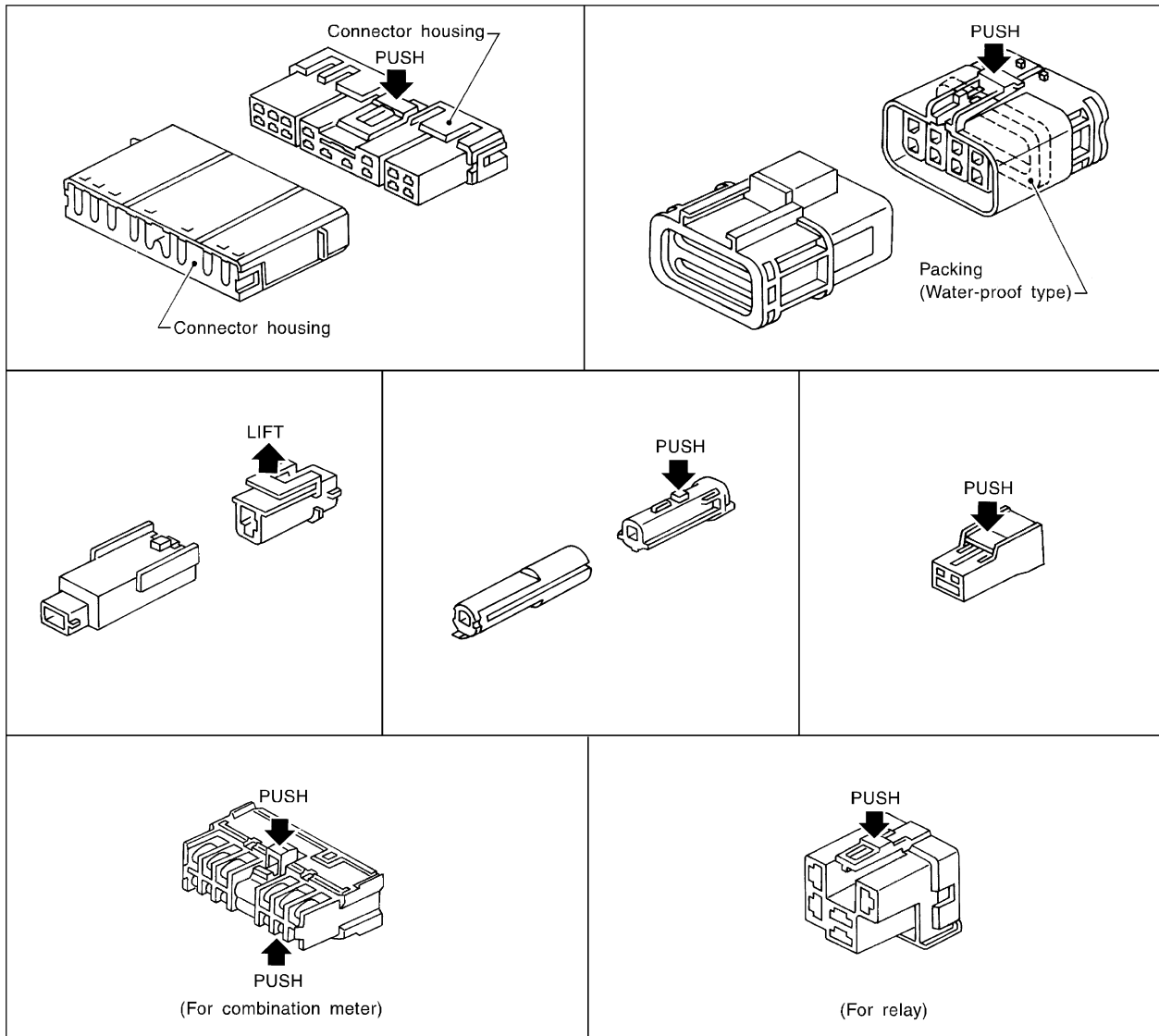
- The tab-locking type connectors help prevent accidental looseness or disconnection.
- The tab-locking type connectors are disconnected by pushing or lifting the locking tab(s). Refer to the figure below.

Refer to the next page for description of the slide-locking type connector.

CAUTION:

Never pull the harness or wires when disconnecting the connector.

[Example]



SEL769DA

HARNESS CONNECTOR

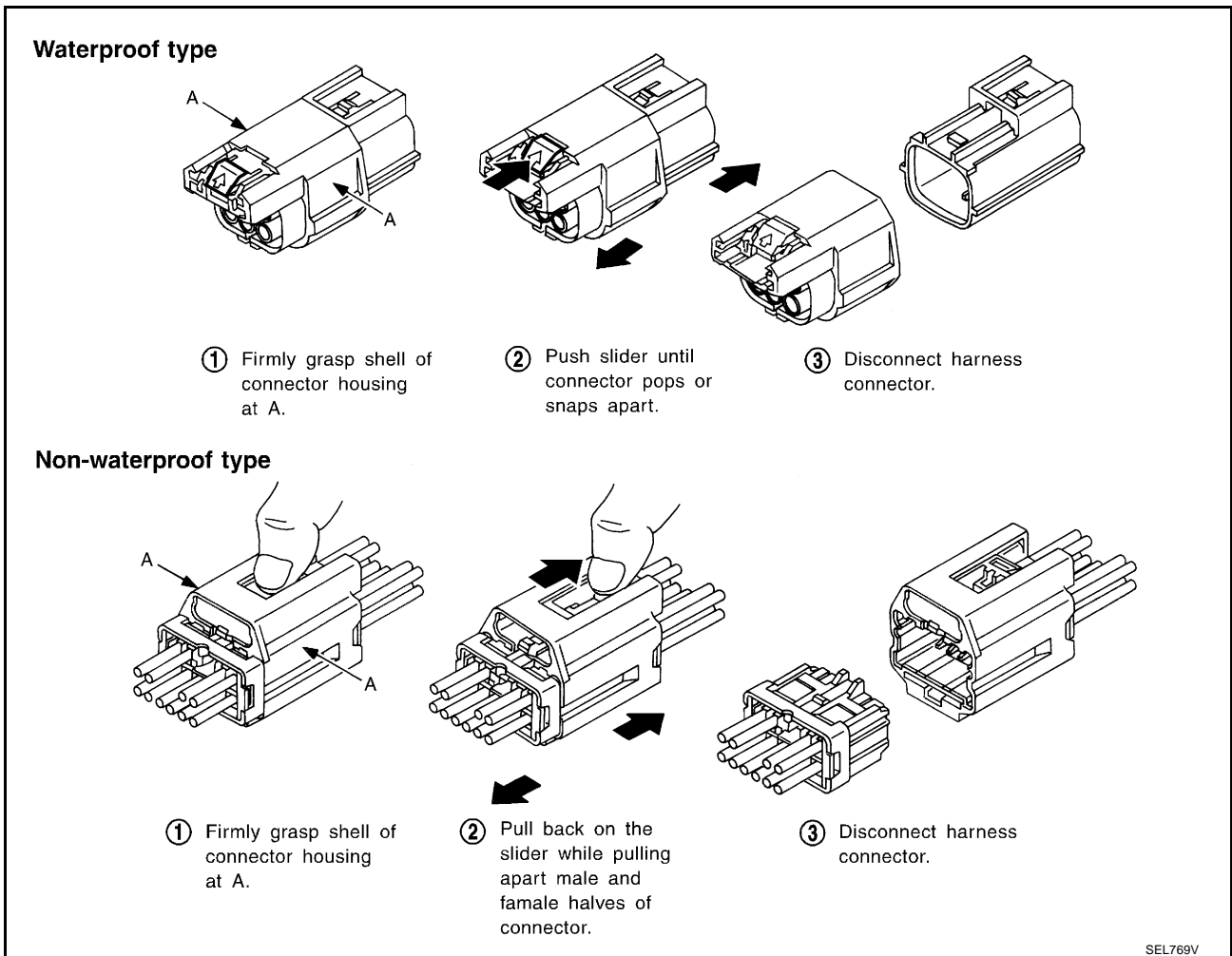
HARNESS CONNECTOR (SLIDE-LOCKING TYPE)

- A new style slide-locking type connector is used on certain systems and components, especially those related to OBD.
- The slide-locking type connectors help prevent incomplete locking and accidental looseness or disconnection.
- The slide-locking type connectors are disconnected by pushing or pulling the slider. Refer to the figure below.

CAUTION:

- **Never pull the harness or wires when disconnecting the connector.**
- **Be careful not to damage the connector support bracket when disconnecting the connector.**

[Example]



ELECTRICAL UNITS

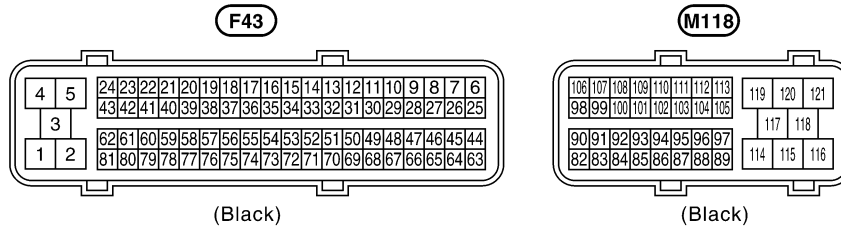
ELECTRICAL UNITS

Terminal Arrangement

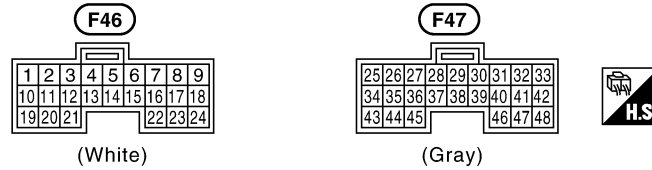
PFP:00011

BKS000S7

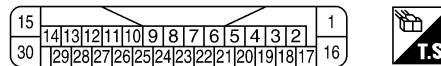
ECM



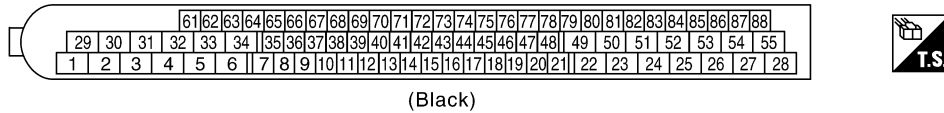
TCM (TRANSMISSION CONTROL MODULE)



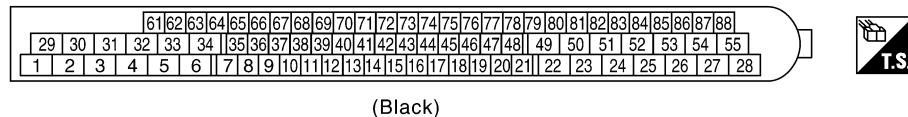
ABS ACTUATOR AND ELECTRIC UNIT **E69**



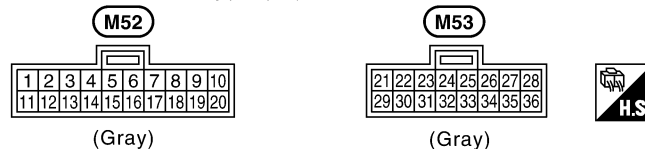
ESP/TCS/ABS CONTROL UNIT **E122** (LHD models)



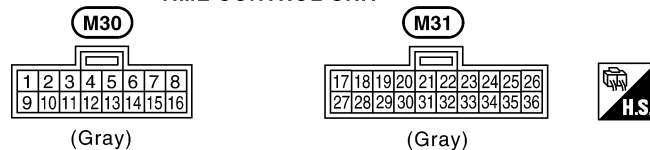
ESP/TCS/ABS CONTROL UNIT **E122** (RHD models)



A/C AUTO AMP.



TIME CONTROL UNIT



STANDARDIZED RELAY

STANDARDIZED RELAY

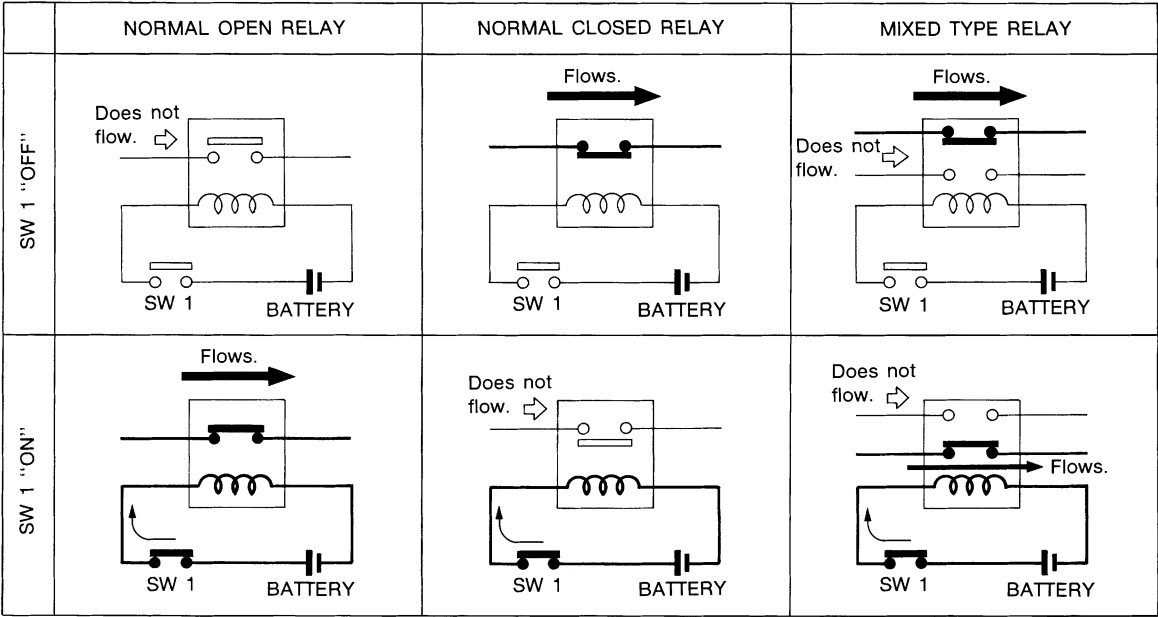
PFP:00011

Description

BKS000S8

NORMAL OPEN, NORMAL CLOSED AND MIXED TYPE RELAYS

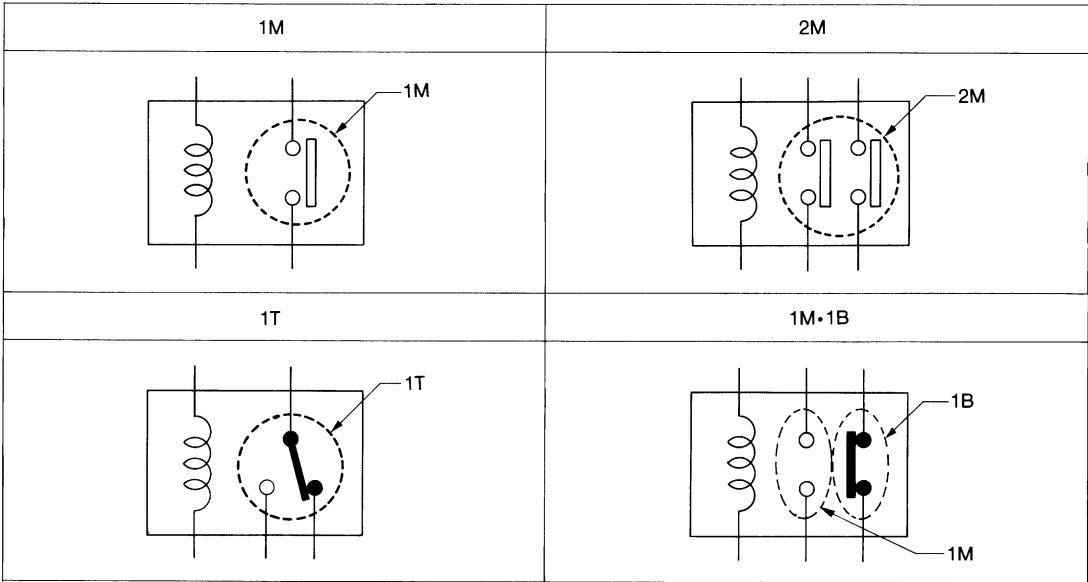
Relays can mainly be divided into three types: normal open, normal closed and mixed type relays.



SEL881H

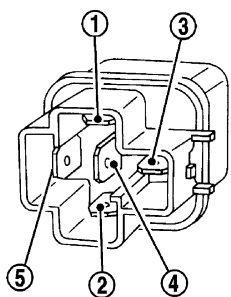
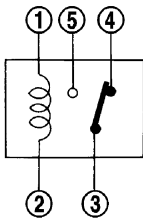
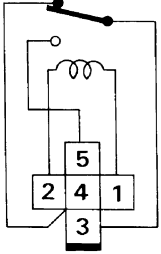
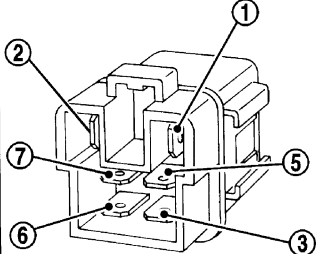
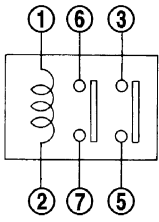
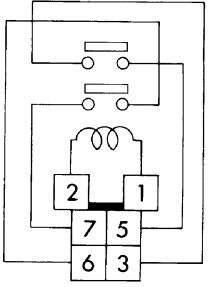
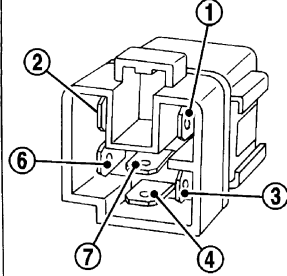
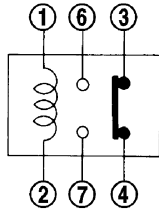
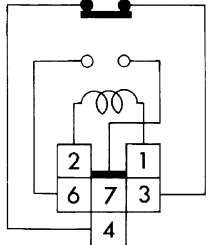
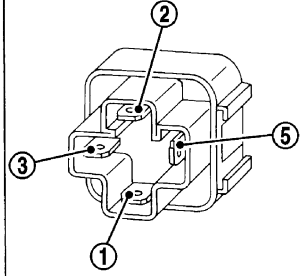
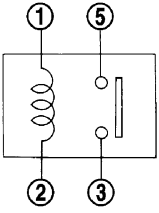
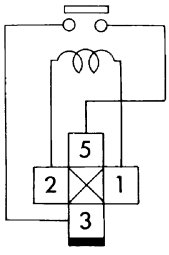
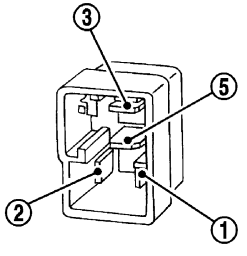
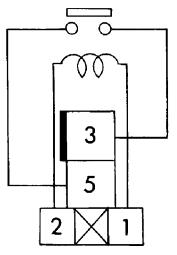
TYPE OF STANDARDIZED RELAYS

- 1M 1 Make 2M 2 Make
1T 1 Transfer 1M-1B 1 Make 1 Break



SEL882H

STANDARDIZED RELAY

Type	Outer view	Circuit	Connector symbol and connection	Case color
1T				BLACK
2M				BROWN
1M•1B				GRAY
1M				BLUE
				

The arrangement of terminal numbers on the actual relays may differ from those shown above.

SEL188W

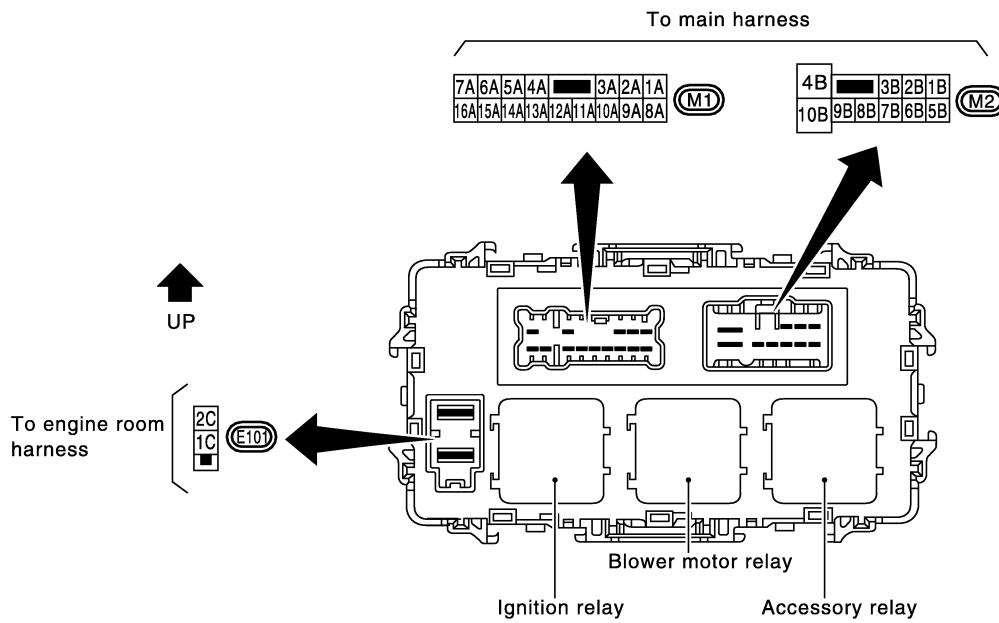
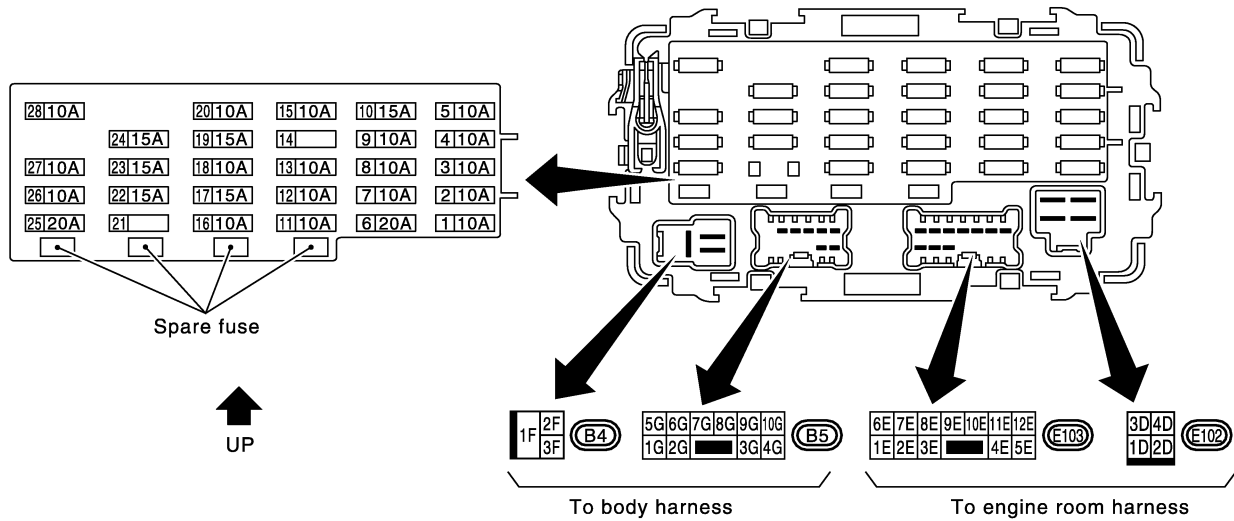
FUSE BLOCK - JUNCTION BOX (J/B)

FUSE BLOCK - JUNCTION BOX (J/B)

PFP:24350

Terminal Arrangement

BKS000S9



FUSE AND FUSIBLE LINK BOX

FUSE AND FUSIBLE LINK BOX
Terminal Arrangement

PFP:24381

BKS000SA

