

SECTION **PG**

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POWER SUPPLY, GROUND & CIRCUIT ELEMENTS

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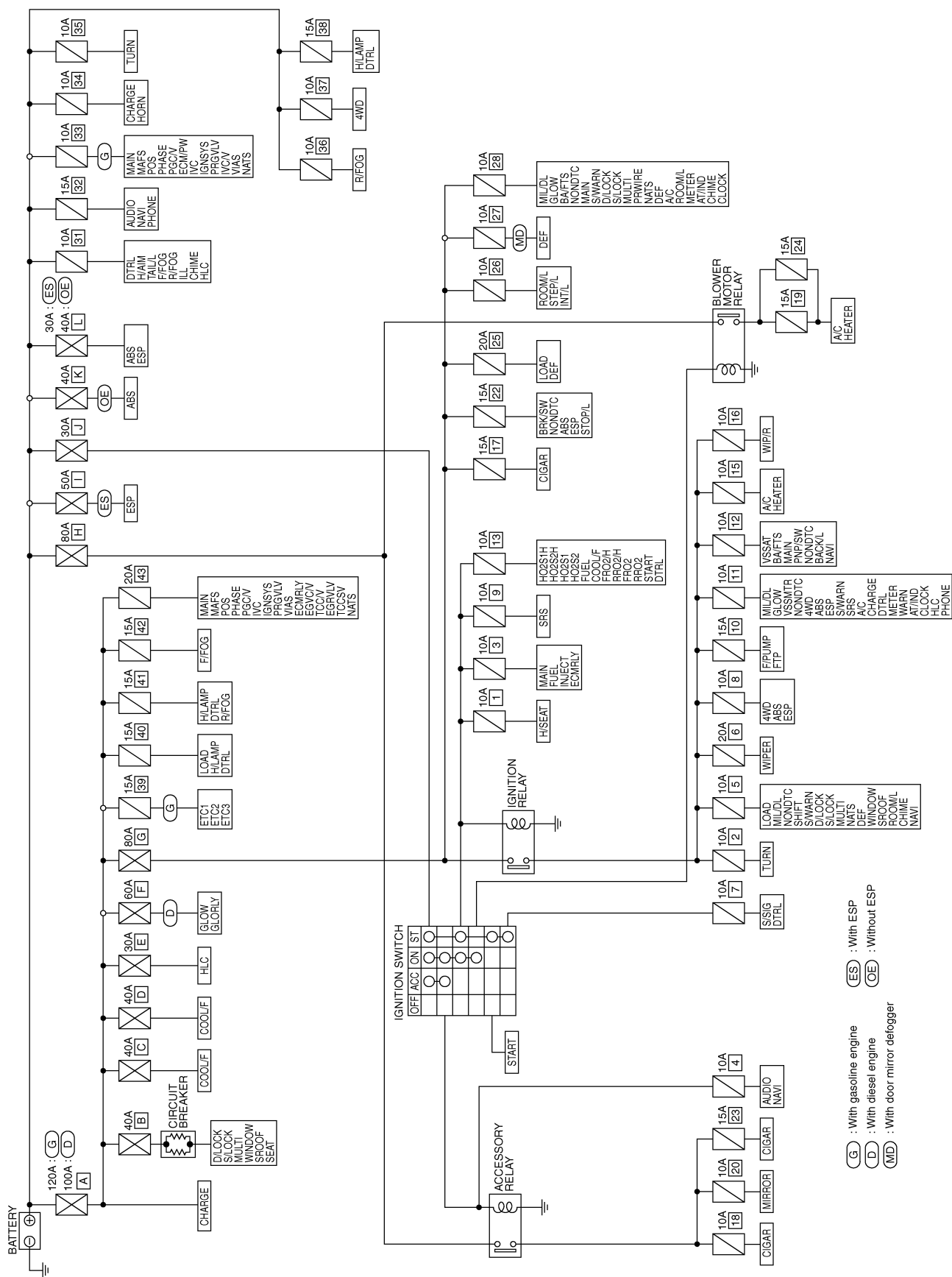
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POWER SUPPLY ROUTING

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Schematic

EKS00322



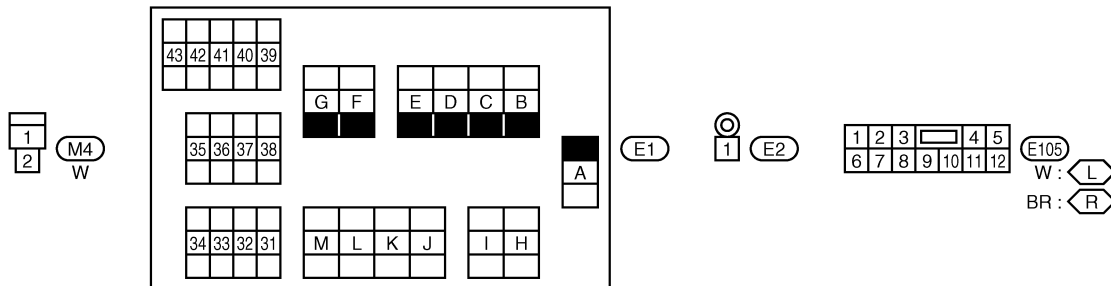
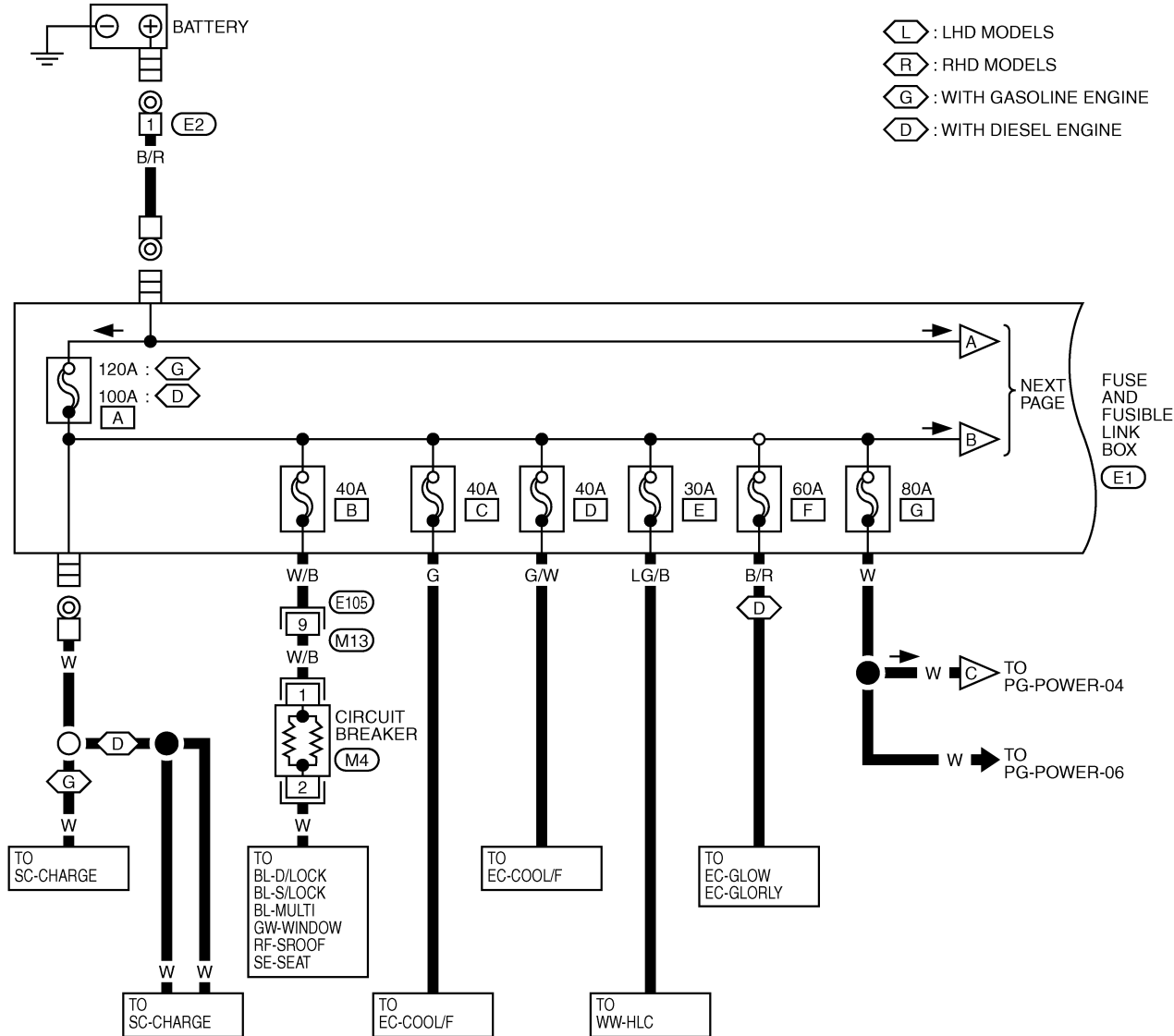
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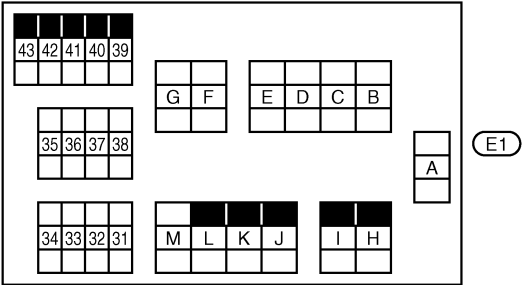
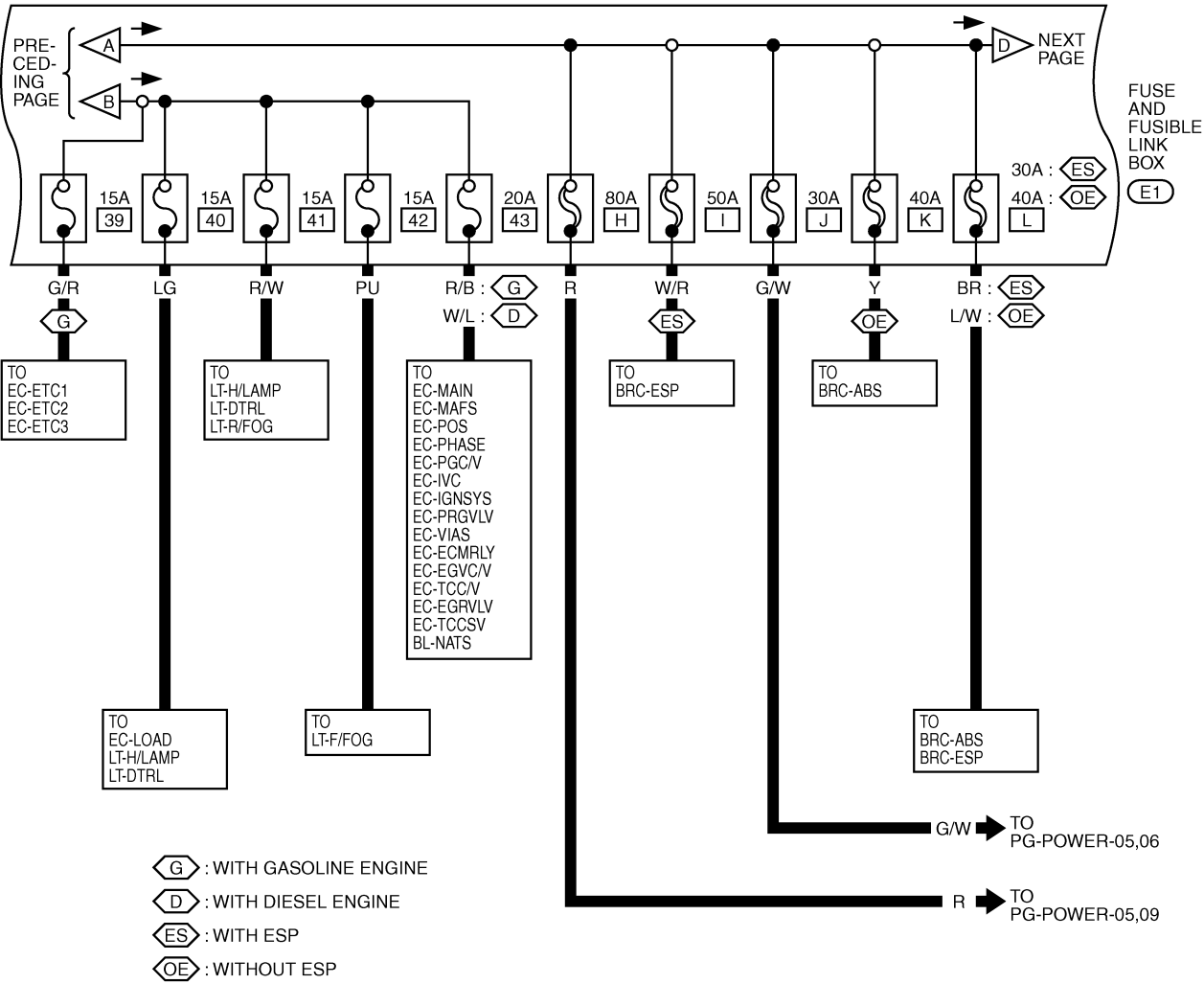
POWER SUPPLY ROUTING

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

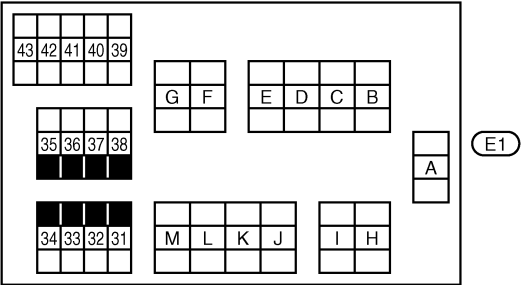
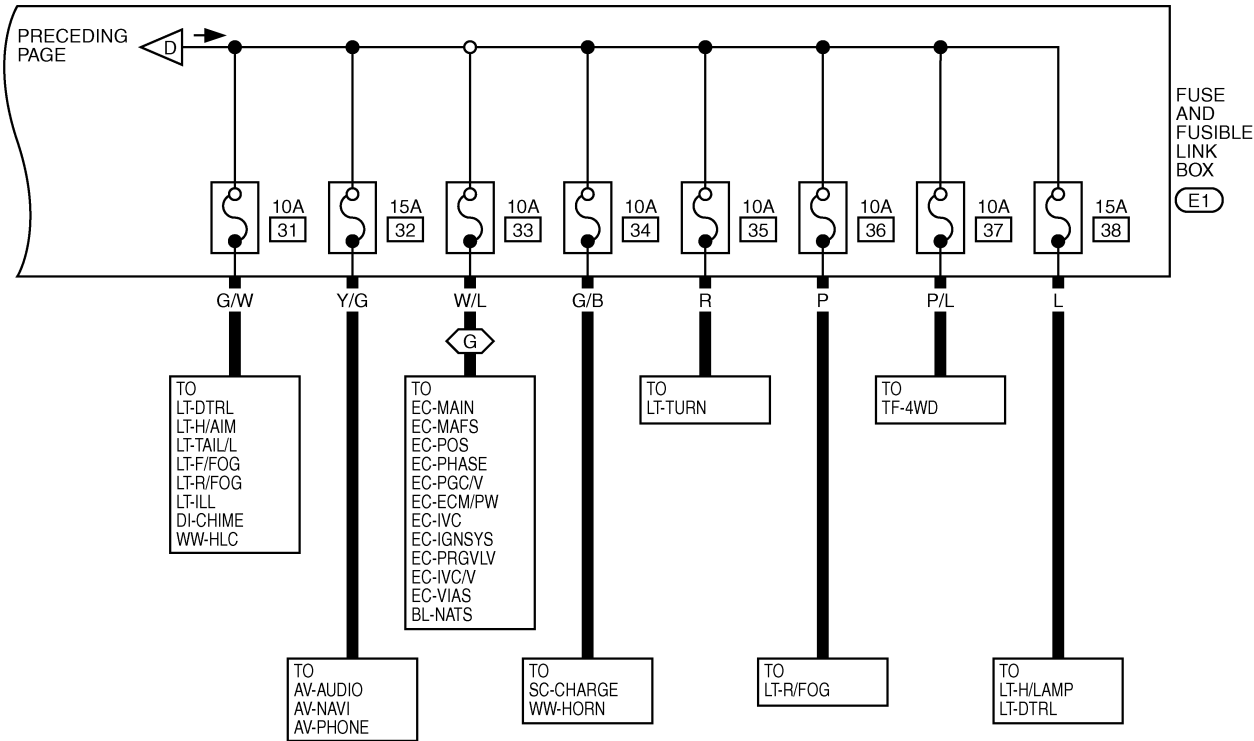
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PG-POWER-01





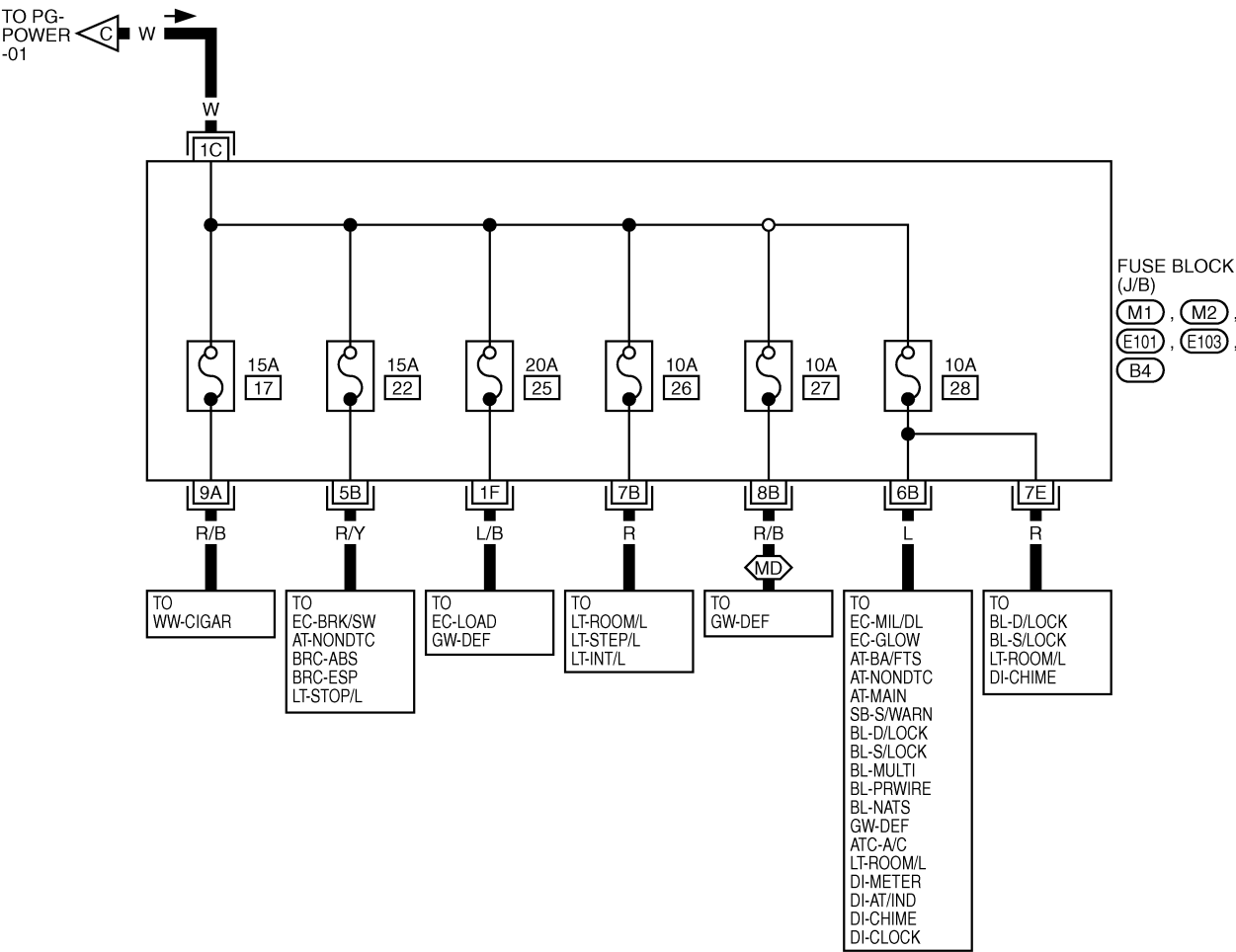
 : WITH GASOLINE ENGINE



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		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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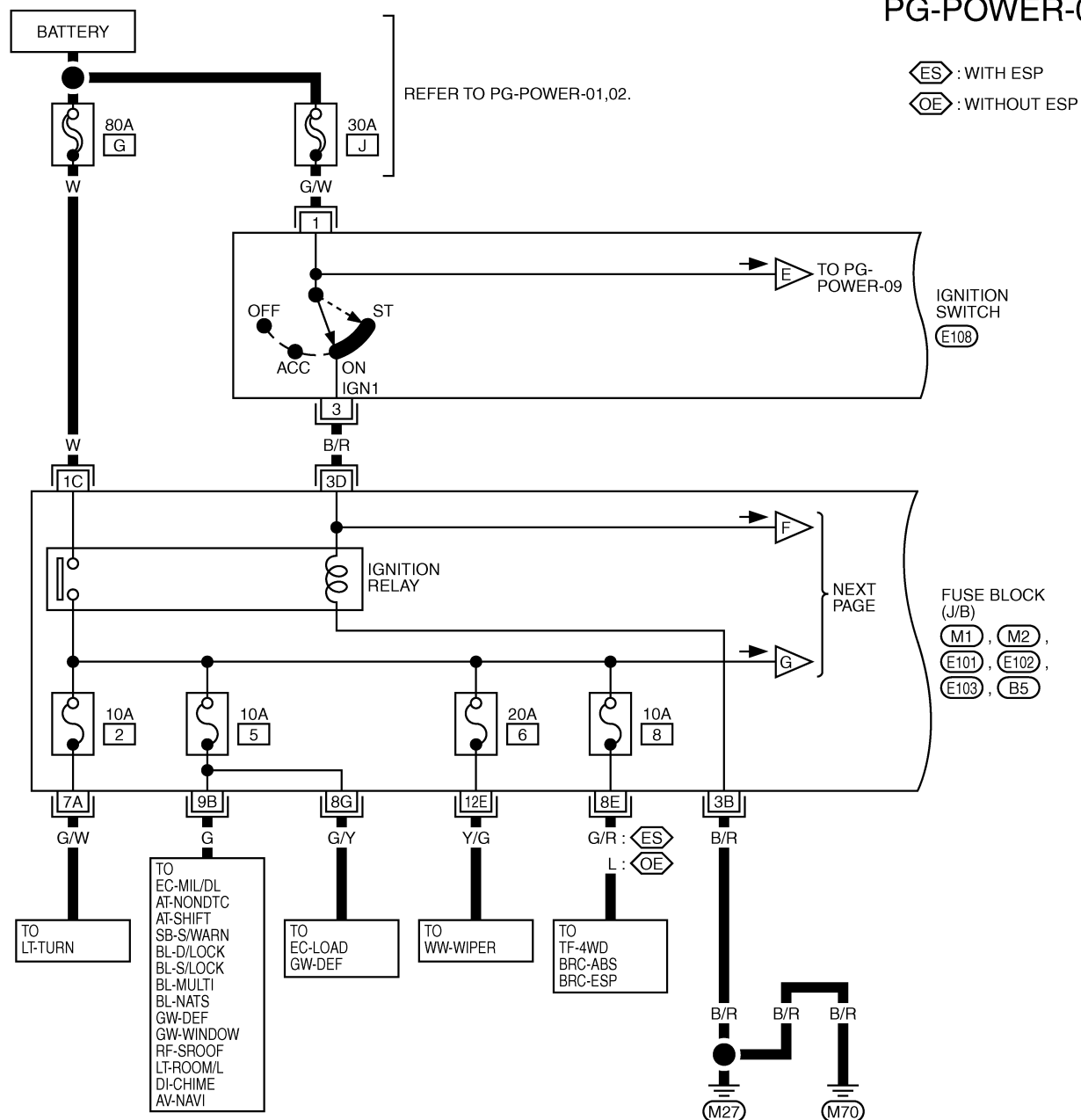
REFER TO THE FOLLOWING.

UF

↑

IGNITION POWER SUPPLY - IGNITION SW. IN "ON" AND/OR "START"

PG-POWER-06



3	5	1
4	2	6

E108

W


REFER TO THE FOLLOWING.

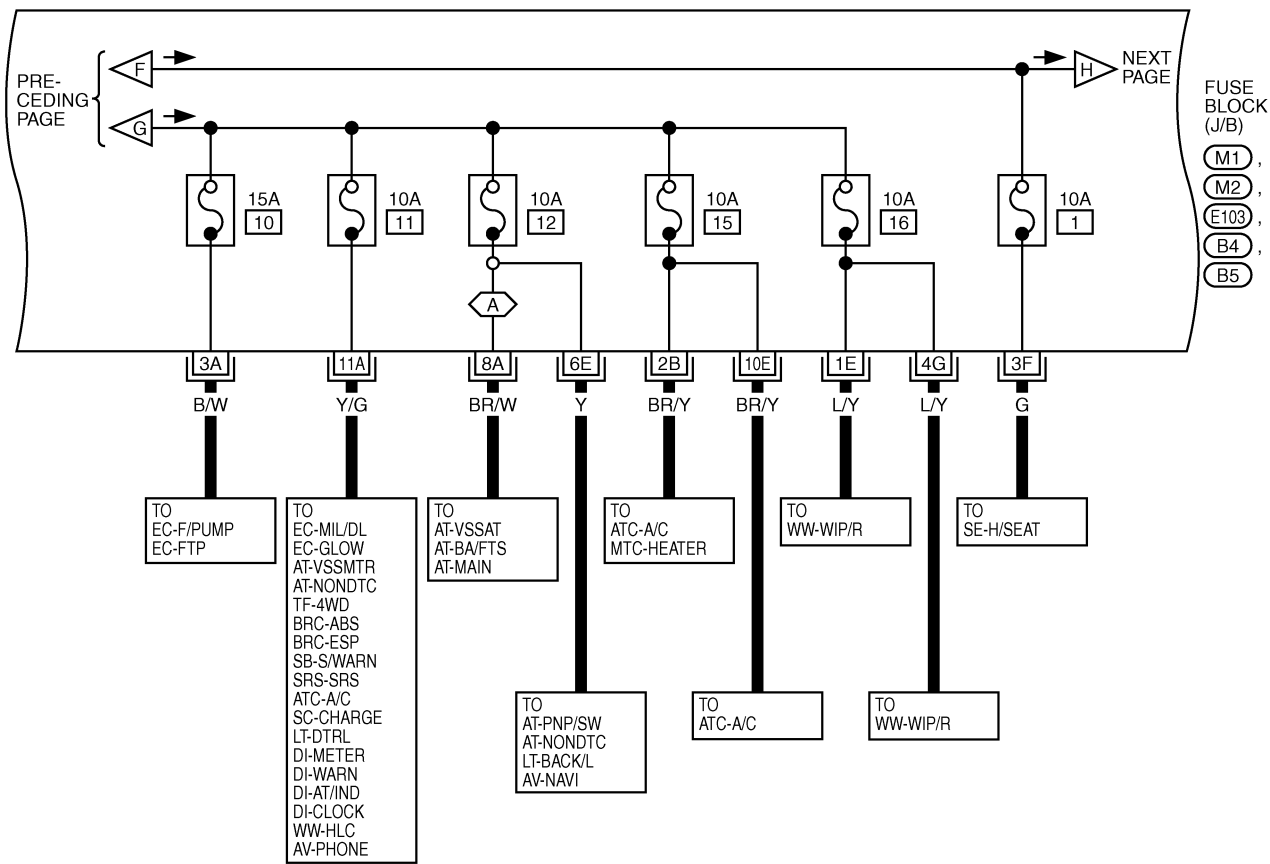
(M1), (M2), (E101), (E102),
(E103), (B5) - FUSE BLOCK-
JUNCTION BOX (J/B)

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

UP



 : WITH A/T



REFER TO THE FOLLOWING.

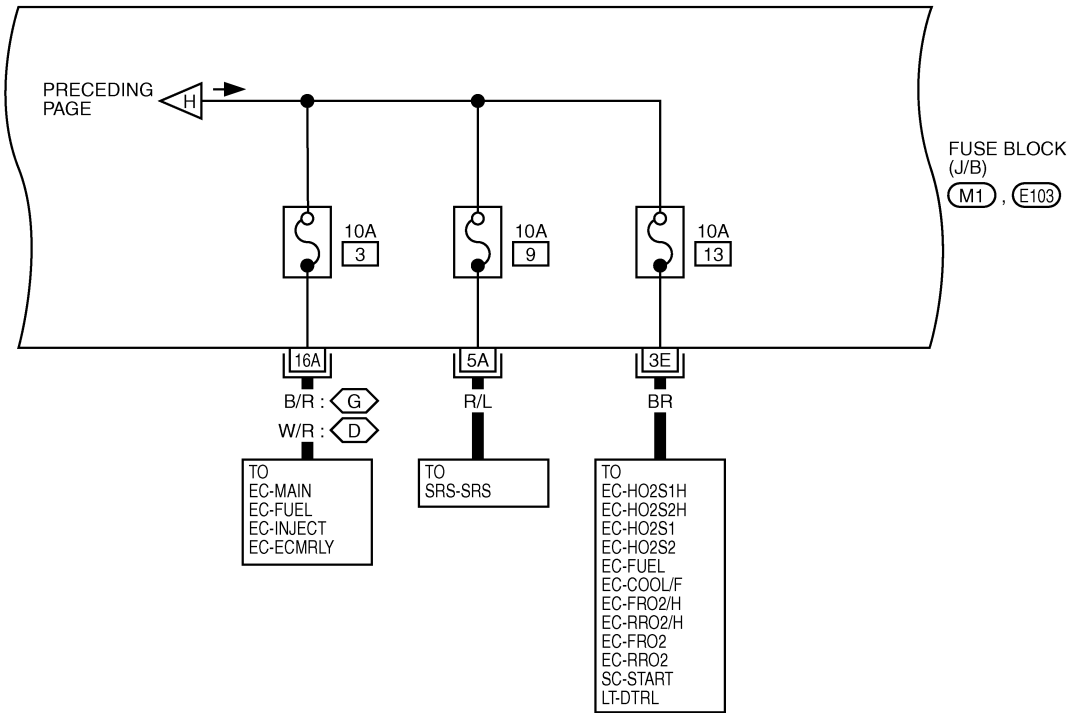
M1, M2, E103, B4,
B5 -FUSE BLOCK-JUNCTION
BOX (J/B)

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



G : WITH GASOLINE ENGINE
D : WITH DIESEL ENGINE



REFER TO THE FOLLOWING.

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

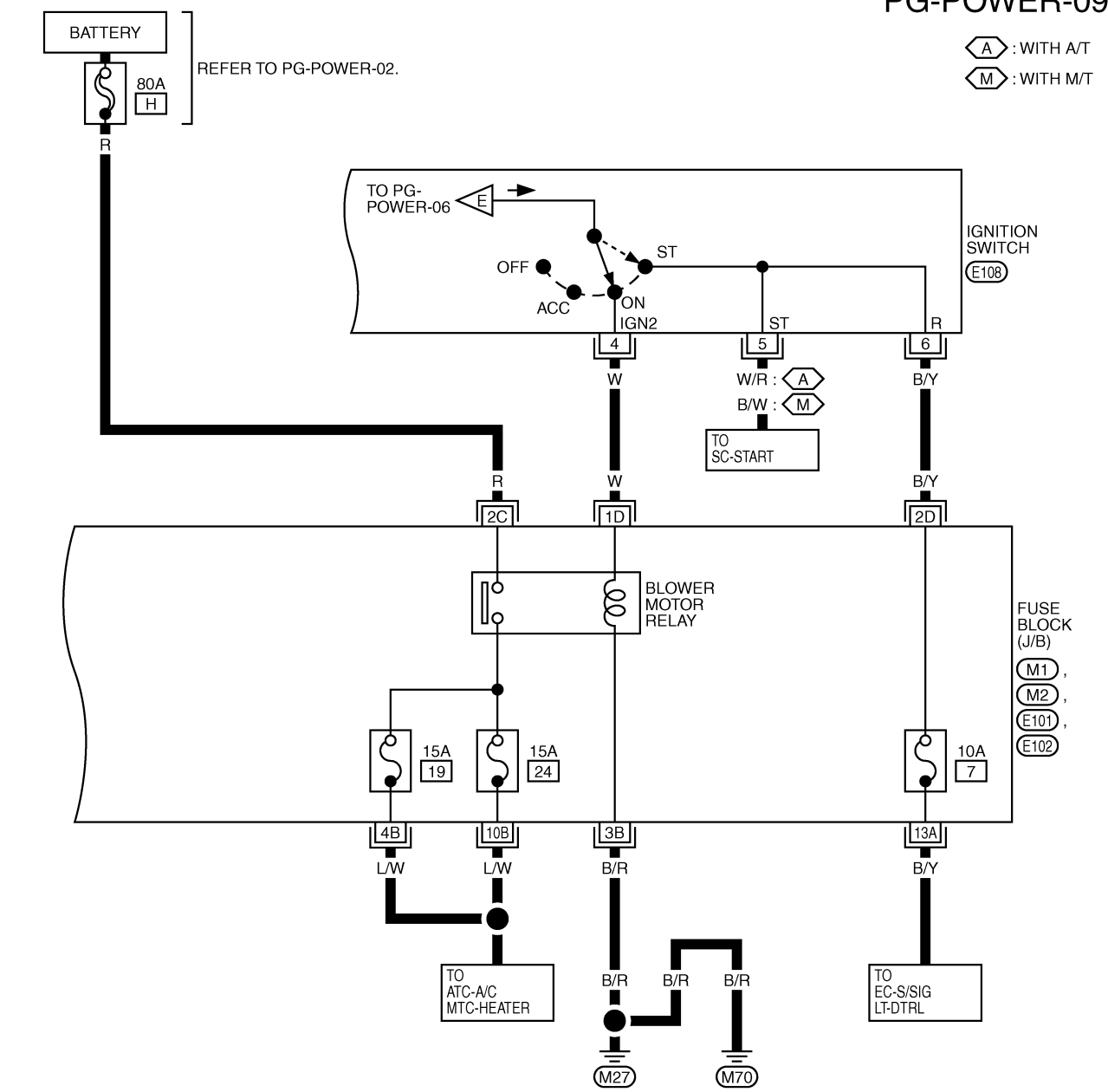
28		20	15	10	5
	24	19	14	9	4
27	23	18	13	8	3
26	22	17	12	7	2
25	21	16	11	6	1

UP



POWER SUPPLY ROUTING

PG-POWER-09



3	5	1
4	2	6

(E108)
W

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
1	2	3	4	5

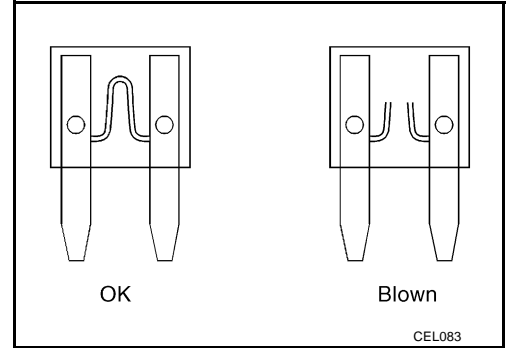
UP

POWER SUPPLY ROUTING

Fuse

EKS00324

- 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.



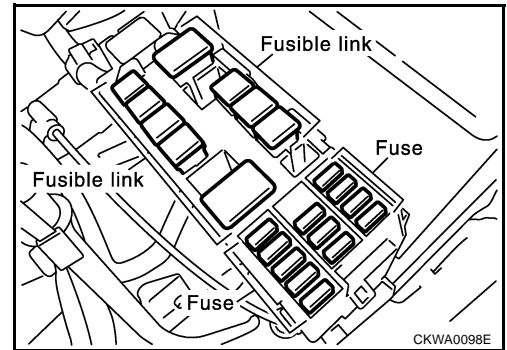
Fusible Link

EKS00325

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:

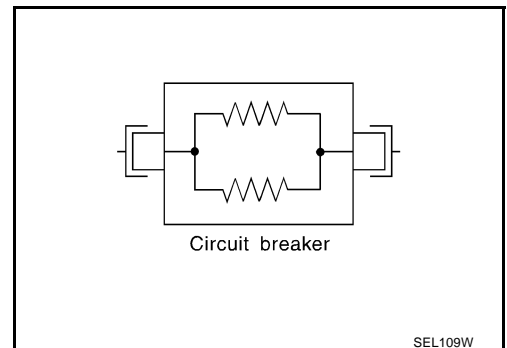
- If fusible link should melt, it is possible that critical circuit (power supply or large current carrying circuit) is shorted. In such a case, carefully check and eliminate cause of malfunction.
- Never wrap outside of fusible link with vinyl tape. Important: Never let fusible link touch any other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



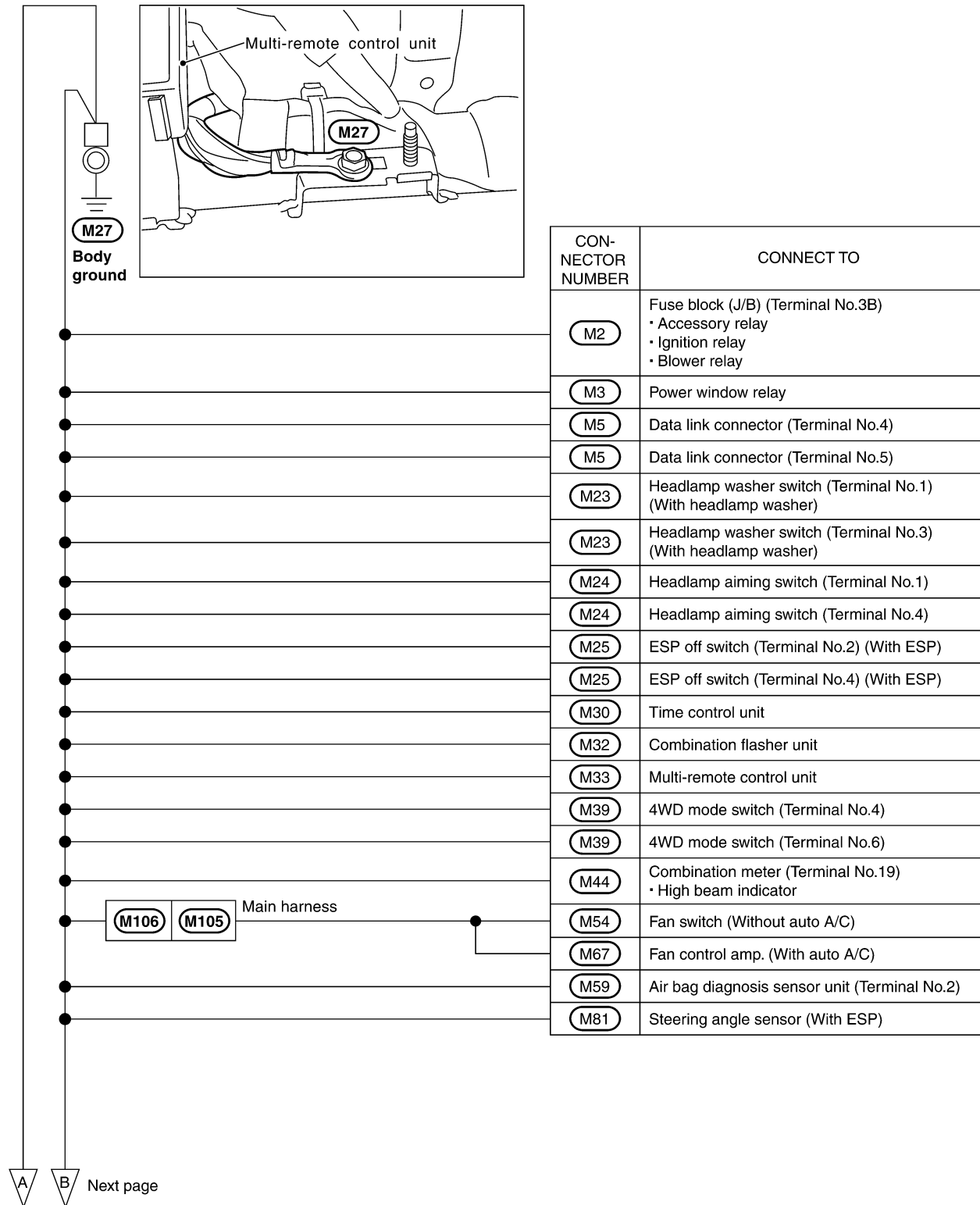
Circuit Breaker

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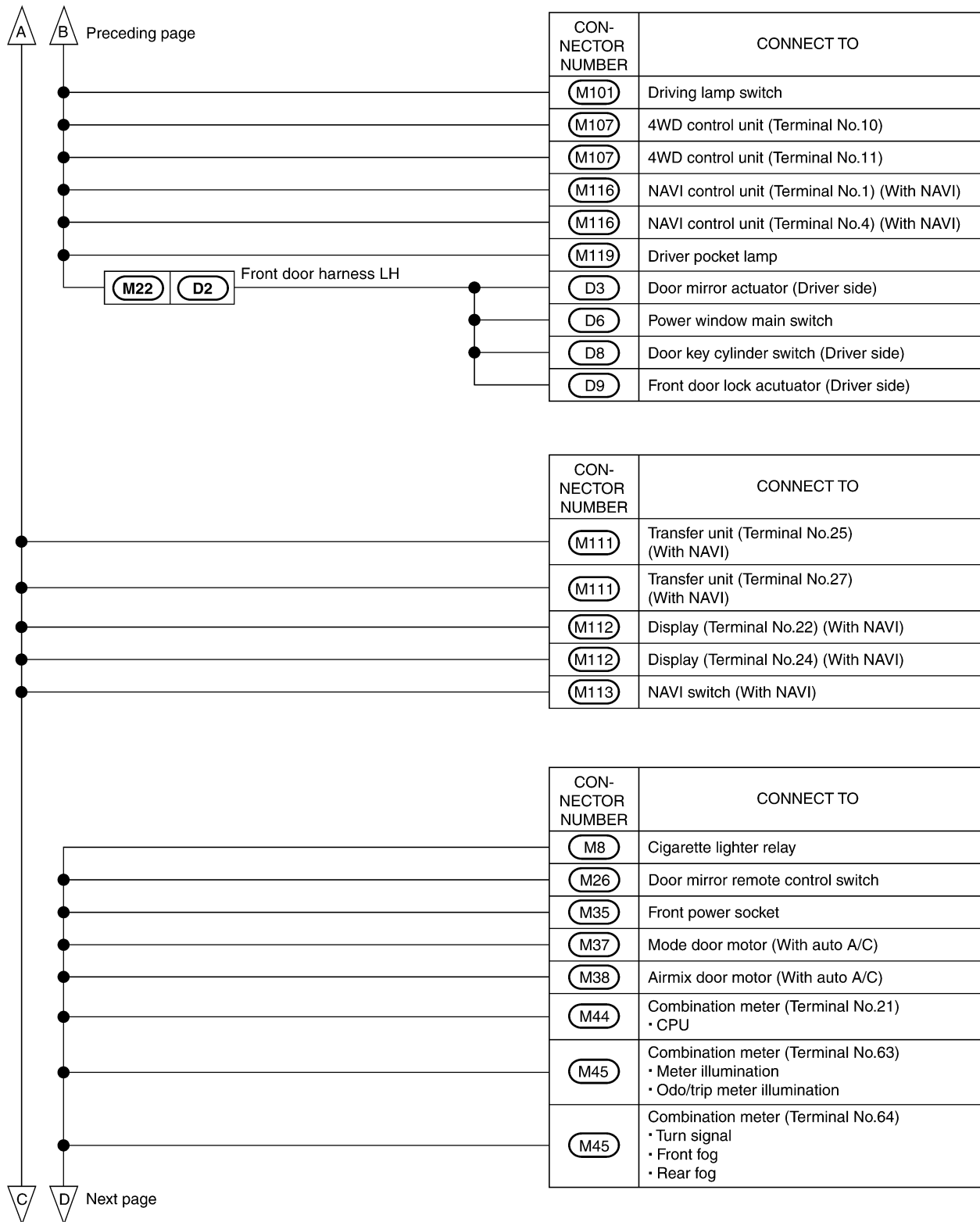
The PTC thermistor generates heat in response to current flow. The temperature (and resistance) of the thermistor element varies with current flow. Excessive current flow will cause the element's temperature to rise. When the temperature reaches a specified level, the electrical resistance will rise 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

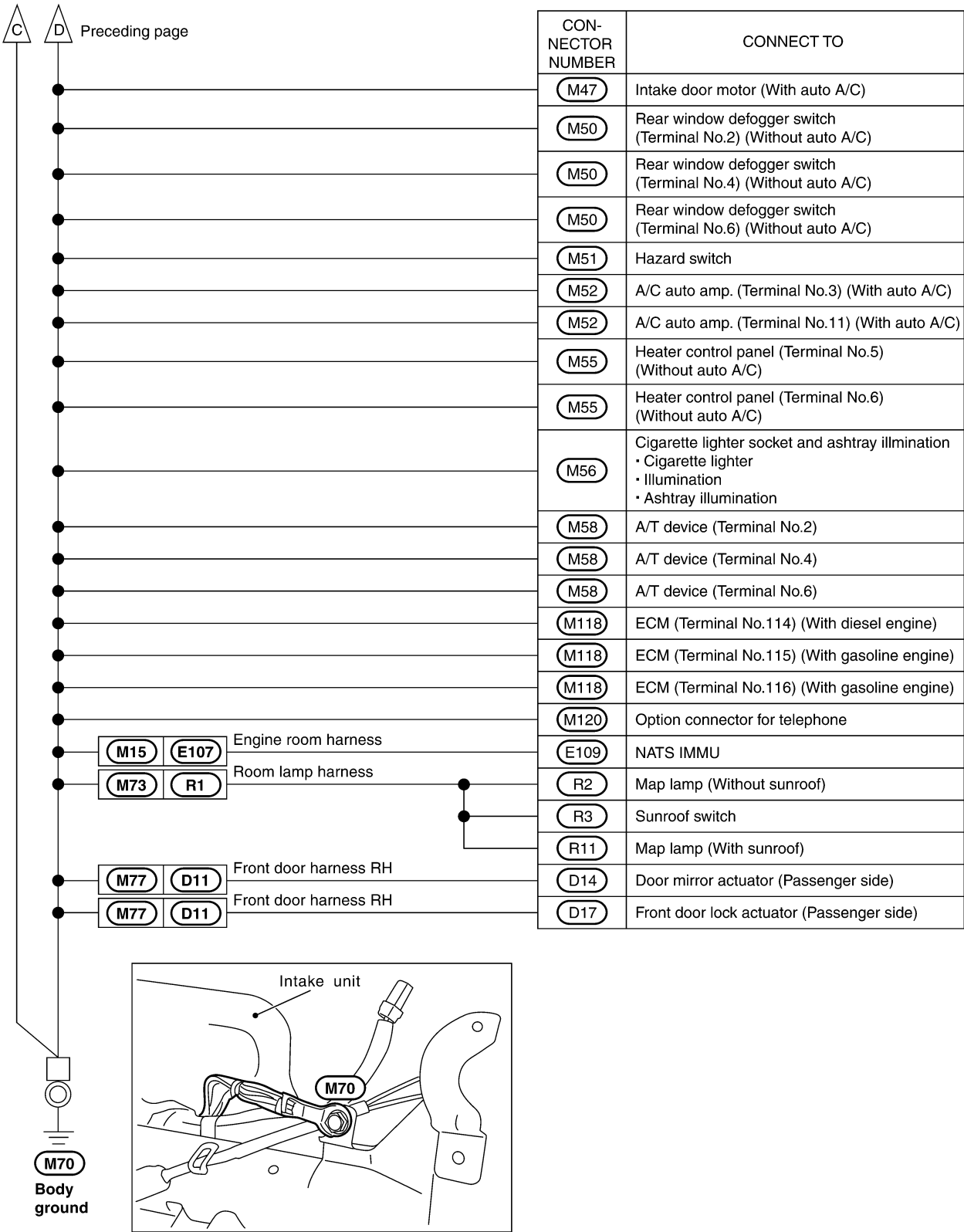
Ground Distribution
MAIN HARNESS/LHD MODELS

GROUND



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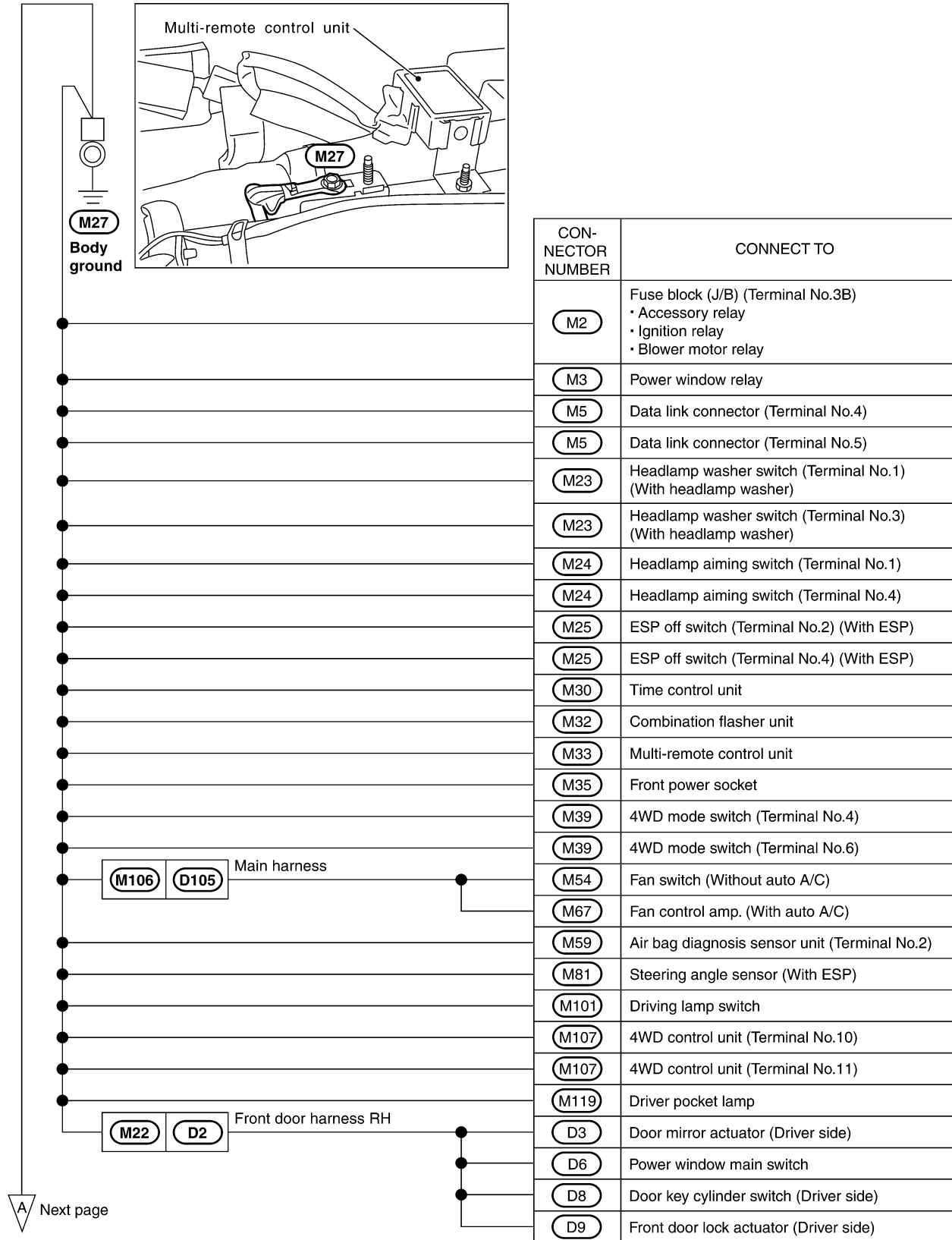
GROUND



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GROUND

MAIN HARNESS/RHD MODELS



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GROUND

A Preceding page



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.2) (With NAVI)
M112	Display (Terminal No.24) (With NAVI)
M113	NAVI switch (With NAVI)
M116	NAVI control unit (Terminal No.1) (With NAVI)
M116	NAVI control unit (Terminal No.4) (With NAVI)

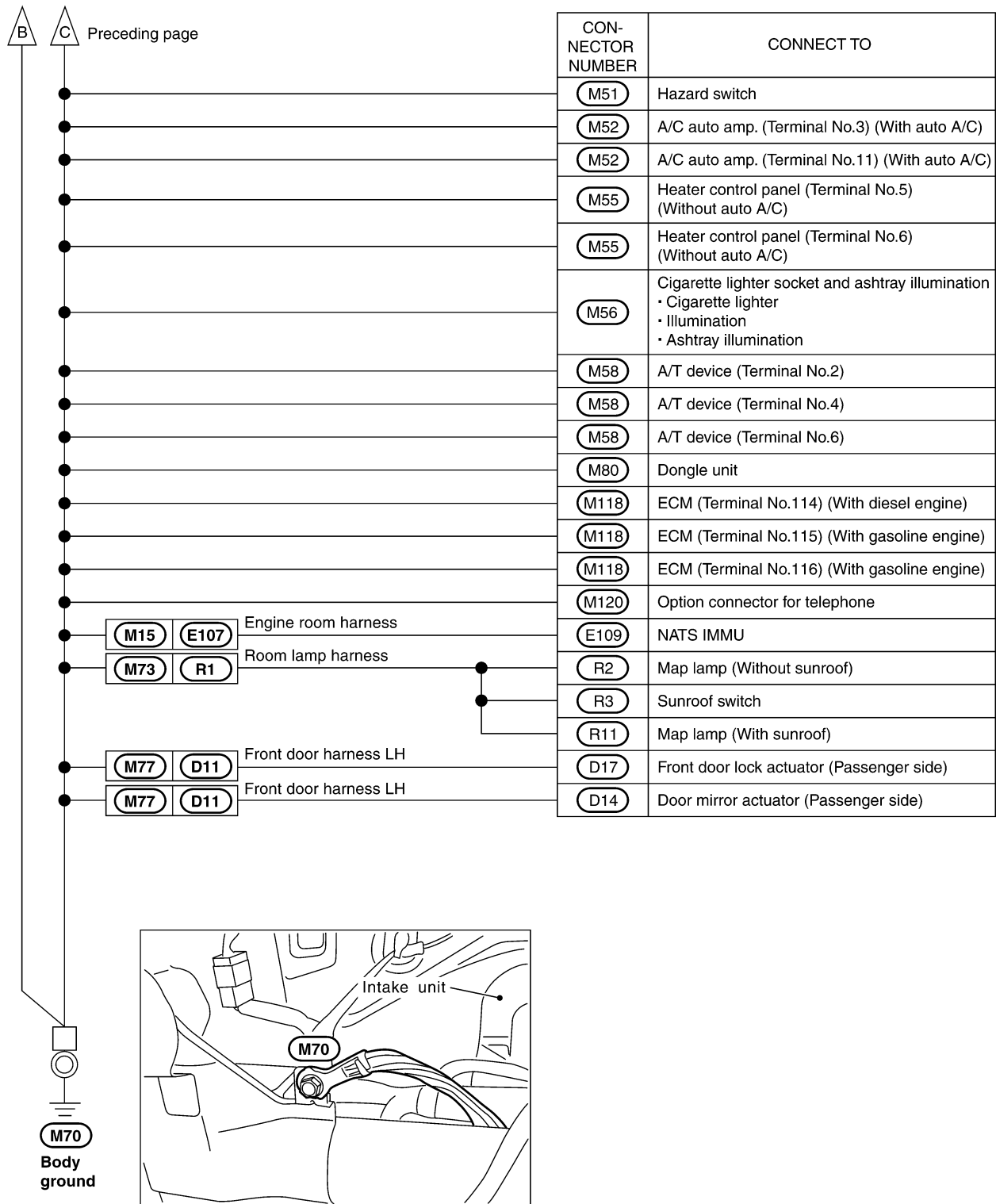


CON- NECTOR NUMBER	CONNECT TO
M8	Cigarette lighter relay
M26	Door mirror remote control switch
M37	Mode door motor (With auto A/C)
M38	Air mix door motor (With auto A/C)
M44	Combination meter (Terminal No.19) • High beam indicator
M44	Combination meter (Terminal No.21) • CPU
M45	Combination meter (Terminal No.63) • Meter illumination • Odo/trip meter illumination
M45	Combination meter (Terminal No.64) • Turn signal • Front fog • Rear fog
M47	Intake door motor (With auto A/C)
M50	Rear window defogger switch (Terminal No.2) (Without auto A/C)
M50	Rear window defogger switch (Terminal No.4) (Without auto A/C)
M50	Rear window defogger switch (Terminal No.6) (Without auto A/C)

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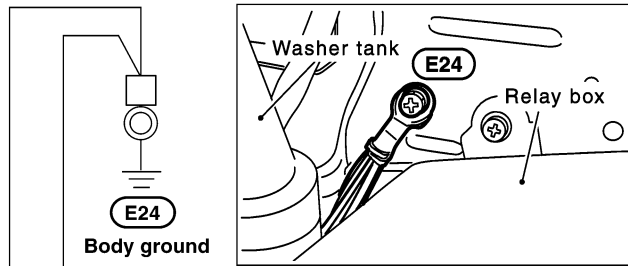
GROUND



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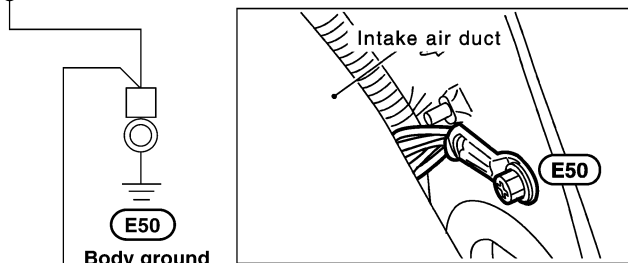
GROUND

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
(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

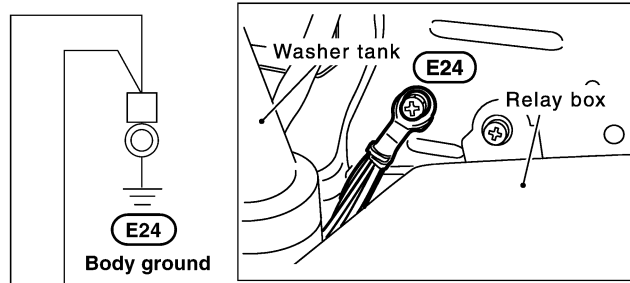


CON- NECTOR NUMBER	CONNECT TO
(E18)	Front wiper motor
(E26)	Headlamp RH
(E27)	Front fog lamp RH
(E29)	Parking lamp RH
(E41)	Cooling fan motor-1
(E42)	Cooling fan motor-2
(E54)	Option connector for hood switch
(E74)	Fuel filter switch (With diesel engine)
(E112)	Combination switch (Terminal No.17) (Front wiper and washer switch)
(E112)	Combination switch (Terminal No.24) (Rear wiper and washer switch)
(E115)	Daytime light control unit (With daytime light system)

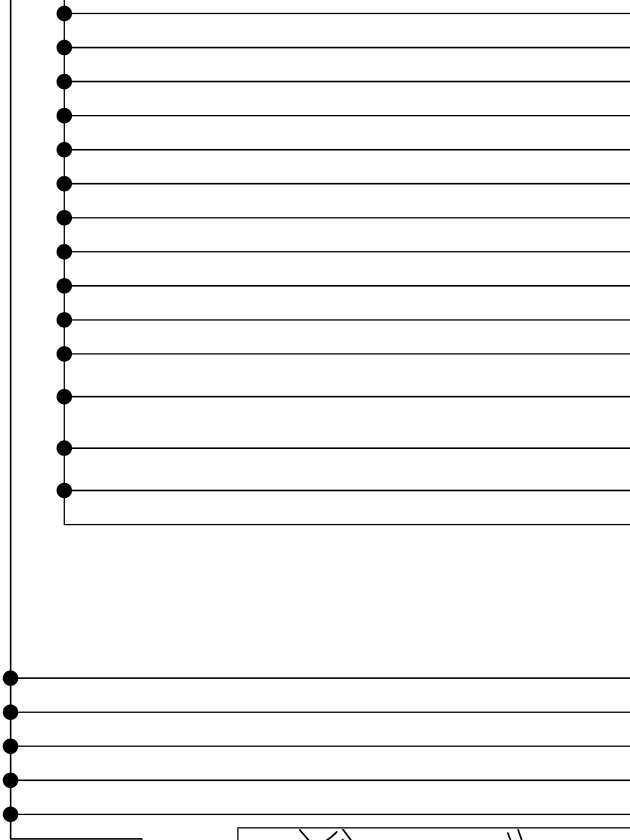
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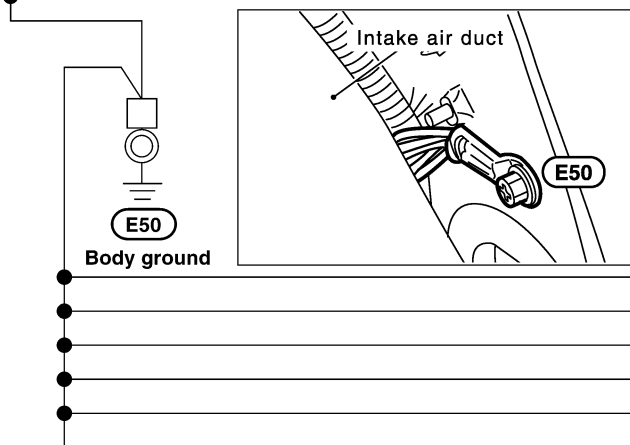
ENGINE ROOM HARNESS/RHD MODELS



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
(E15)	Rear fog lamp relay
(E18)	Front wiper motor
(E28)	Headlamp aiming motor RH
(E43)	Parking lamp LH
(E44)	Headlamp aiming motor LH
(E45)	Front fog lamp LH
(E46)	Headlamp LH
(E112)	Combination switch (Terminal No.17) (Front wiper and washer switch)
(E112)	Combination switch (Terminal No.24) (Rear wiper and washer switch)
(E129)	Driving lamp relay-2 (Terminal No.2)
(E129)	Driving lamp relay-2 (Terminal No.6)



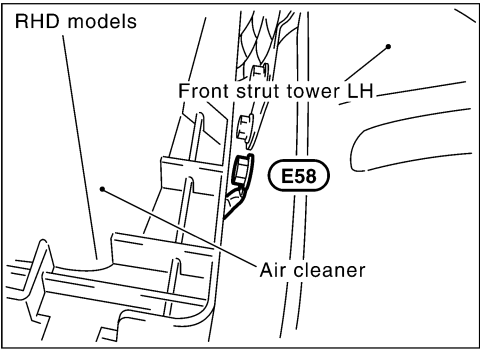
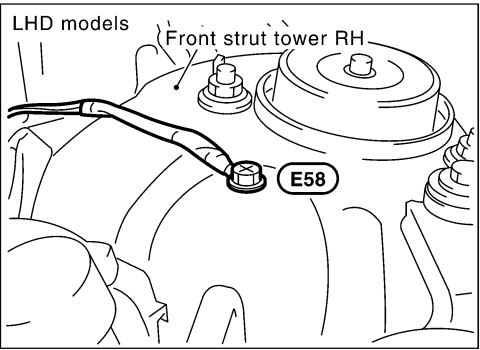
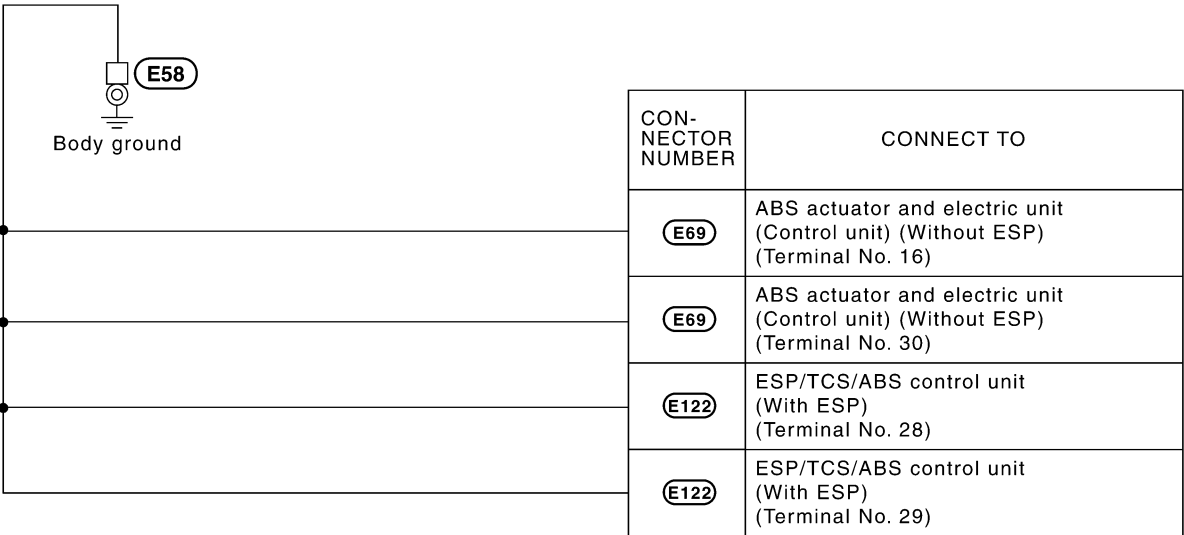
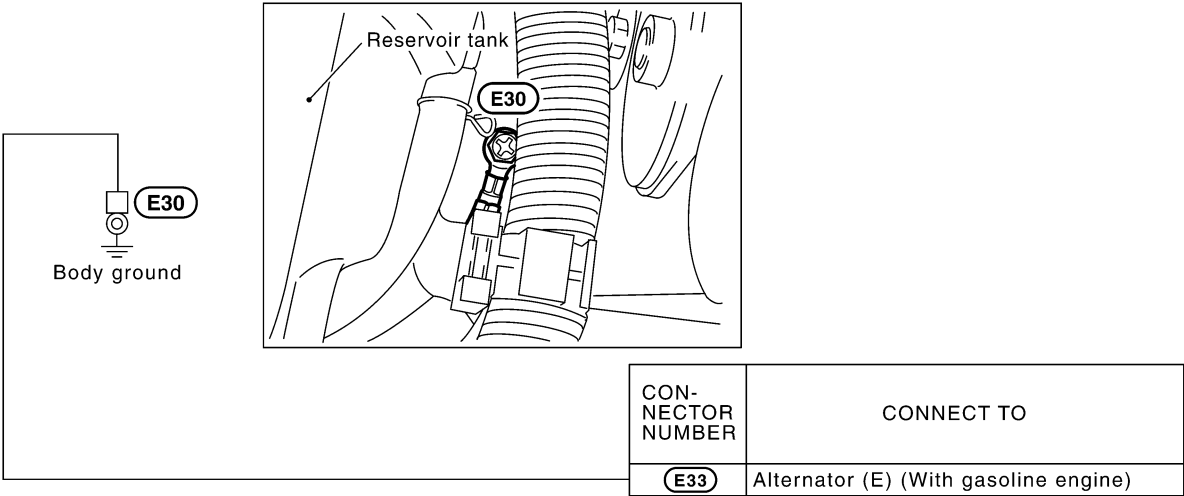
CON-NECTOR NUMBER	CONNECT TO
(E19)	Brake fluid level switch
(E20)	Side turn signal lamp RH
(E25)	Front turn signal lamp RH
(E47)	Front turn signal lamp LH
(E48)	Side turn signal lamp LH



CON-NECTOR NUMBER	CONNECT TO
(E26)	Headlamp RH
(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

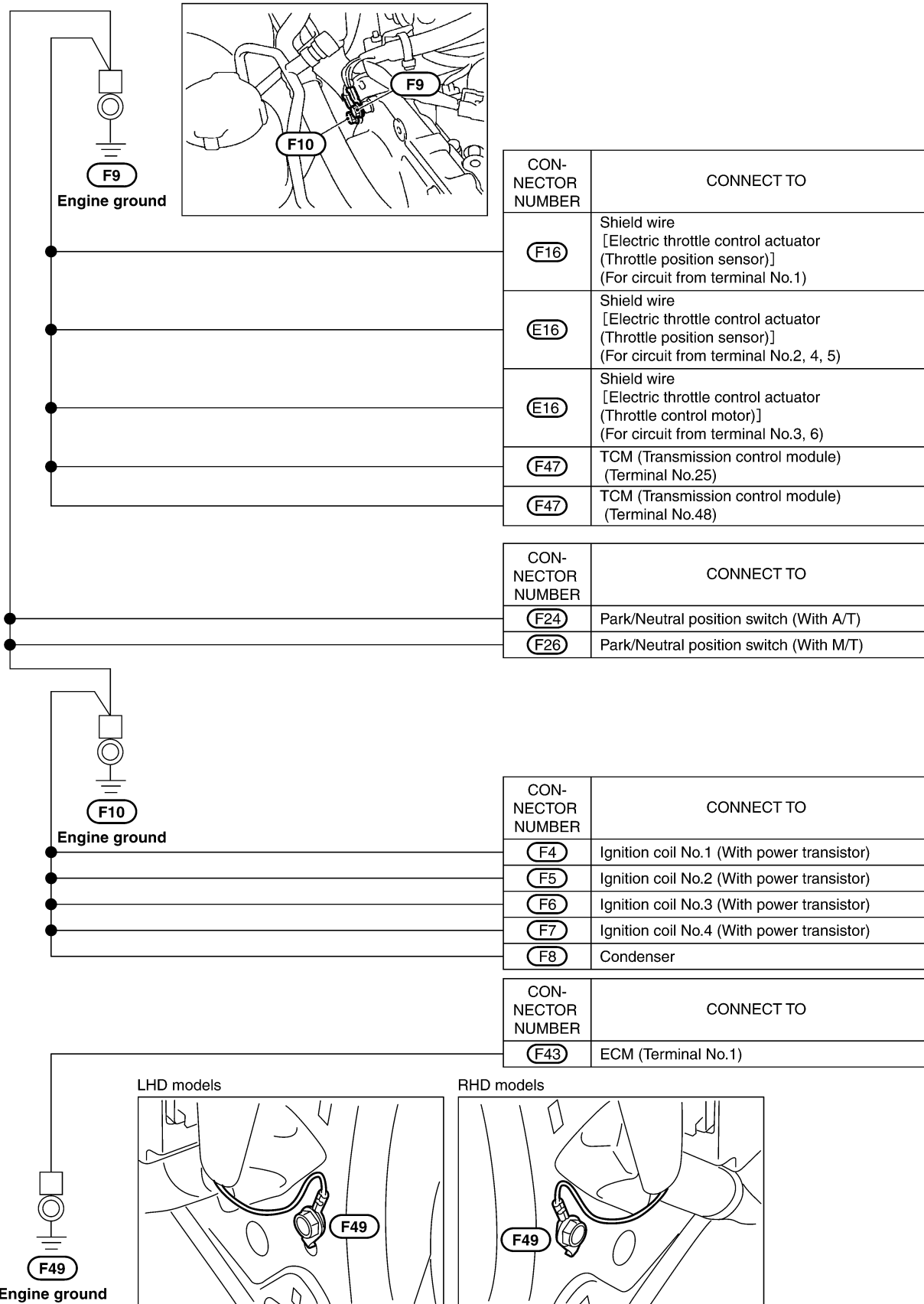
GROUND

ENGINE ROOM HARNESS



GROUND

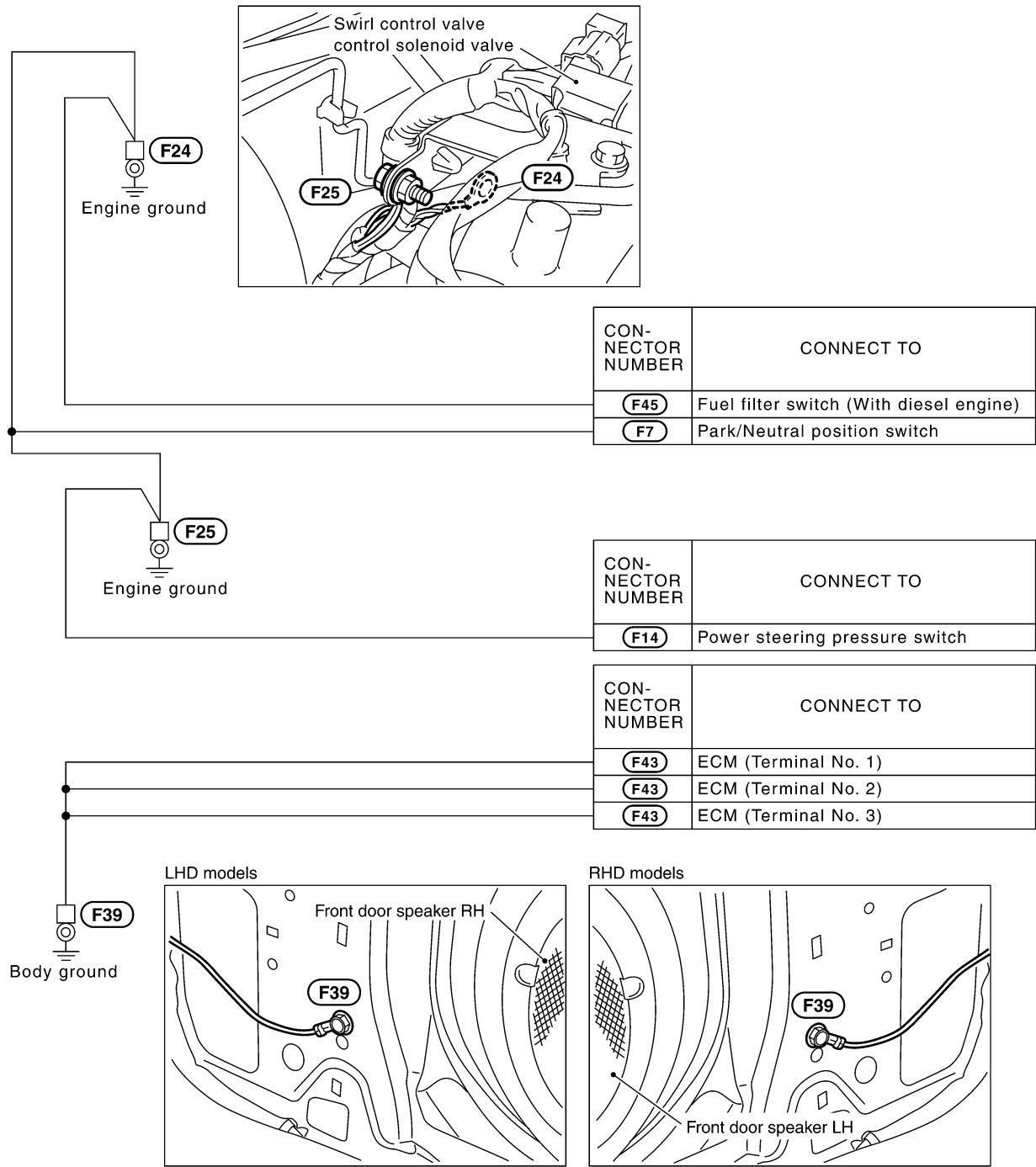
ENGINE CONTROL HARNESS/GASOLINE ENGINE MODELS



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GROUND

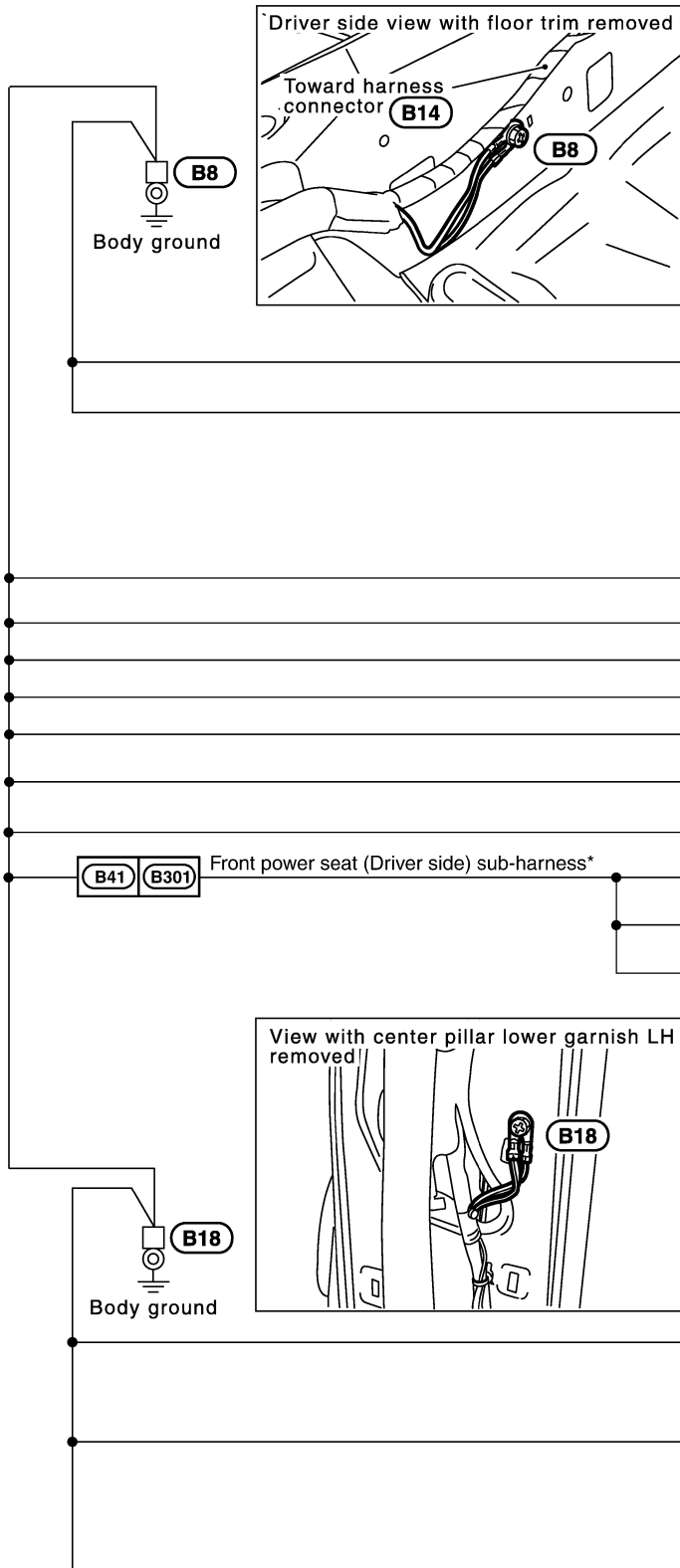
ENGINE CONTROL HARNESS/DIESEL ENGINE MODELS



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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)

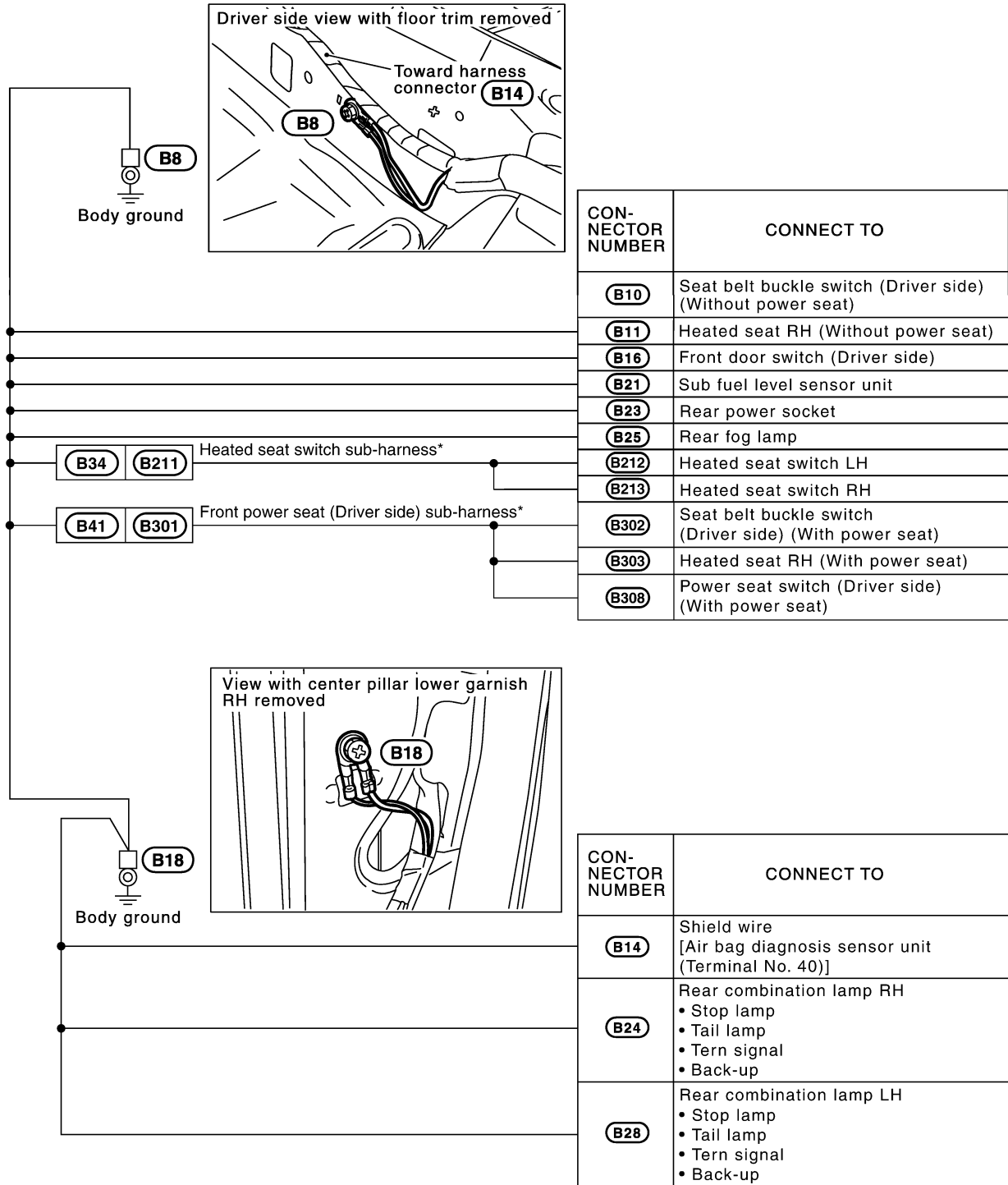
CON-NECTOR NUMBER	CONNECT TO
B10	Seat belt buckle switch (Driver side) (Without power seat)
B11	Heated seat LH (Without power seat)
B16	Front door switch (Driver side)
B23	Rear power socket
B25	Rear fog lamp
B31	Fuel level sensor unit and fuel pump (With gasoline engine)
B33	Condenser (with gasoline 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 <ul style="list-style-type: none"> • Stop lamp • Tail lamp • Turn signal • Back-up
B28	Rear combination lamp LH <ul style="list-style-type: none"> • Stop lamp • Tail lamp • Turn signal • Back-up

GROUND

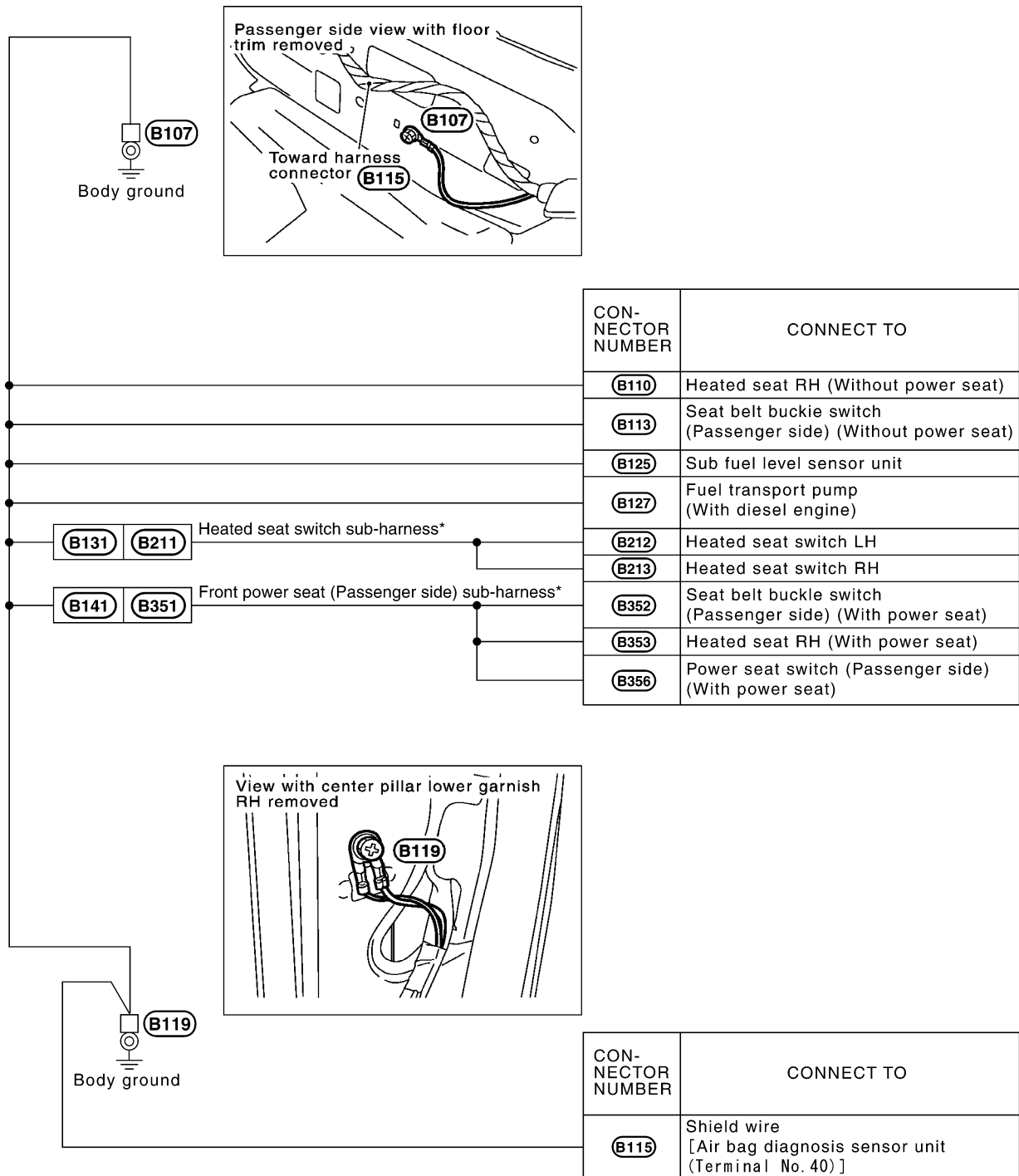
BODY HARNESS/RHD MODELS



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

GROUND

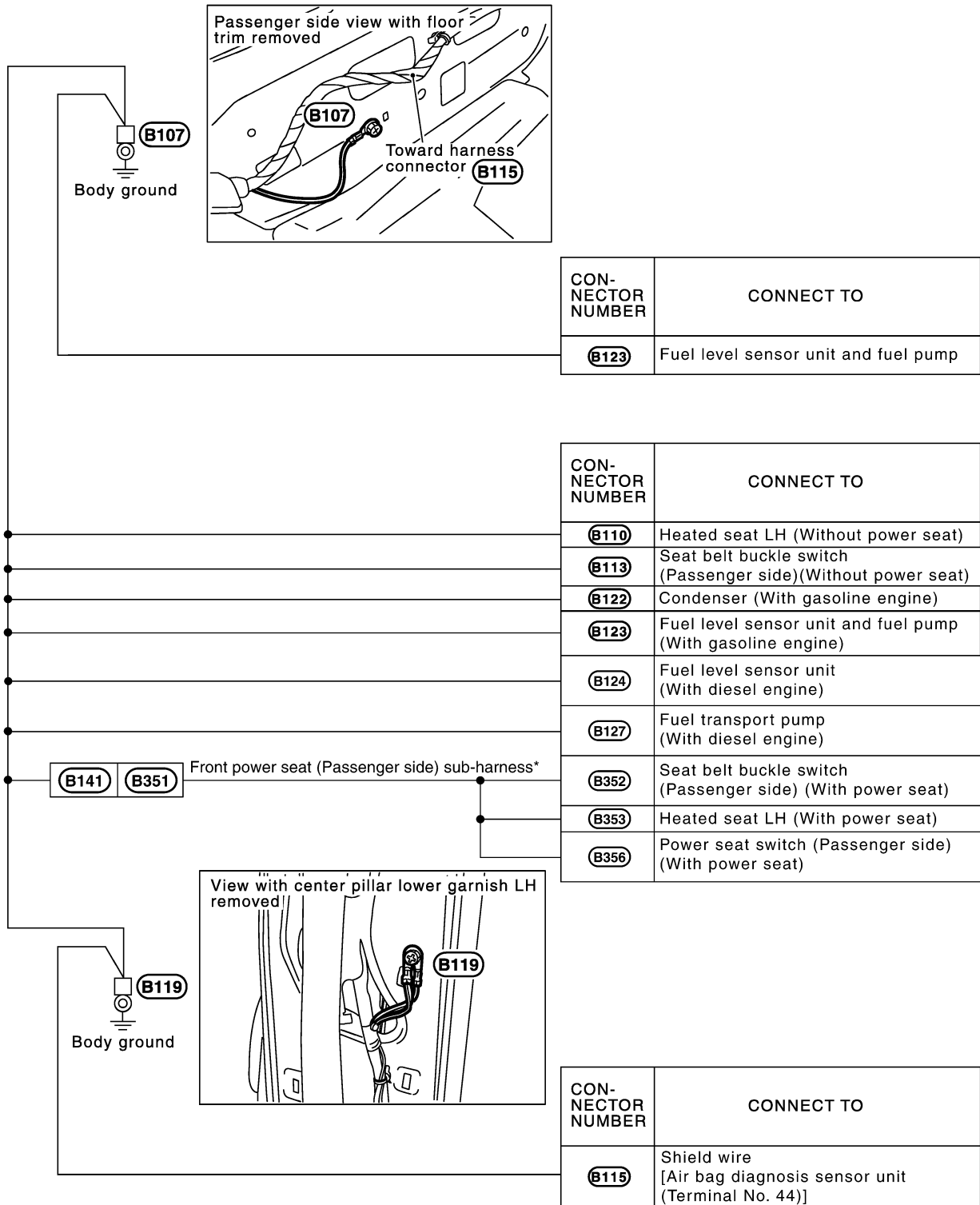
BODY NO. 2 HARNESS/LHD MODELS



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

GROUND

BODY NO. 2 HARNESS/RHD MODELS

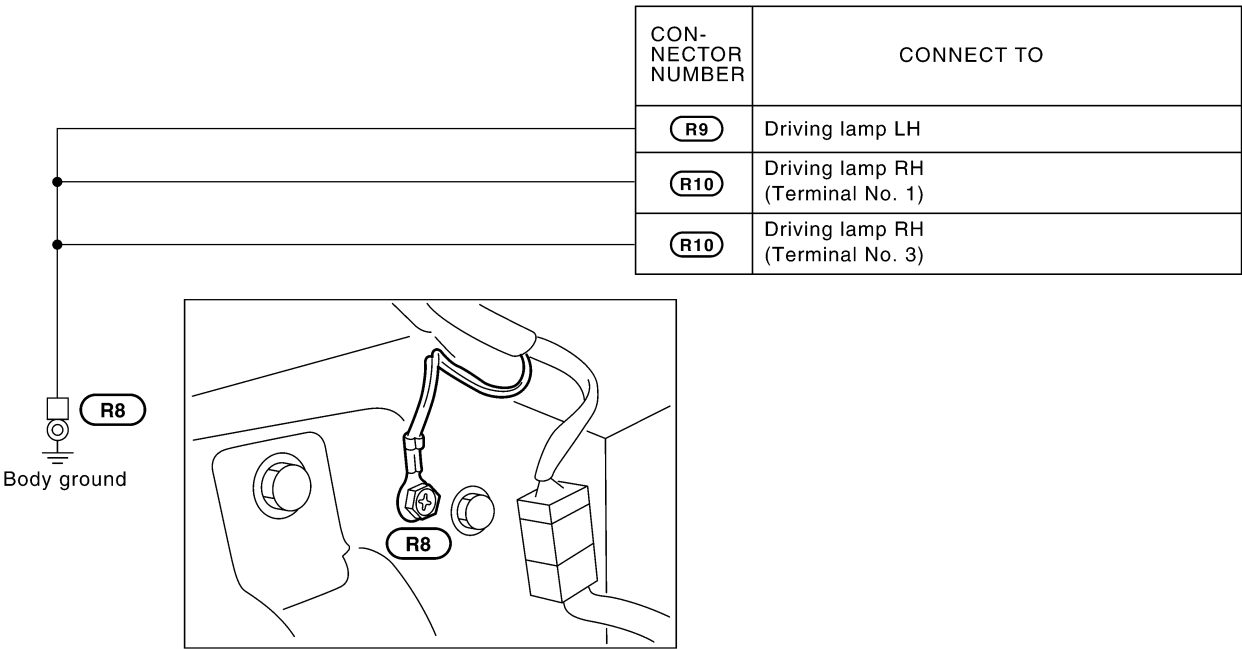


* : This sub-harness is not shown in "HARNESS LAYOUT".

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GROUND

ROOM LAMP HARNESS

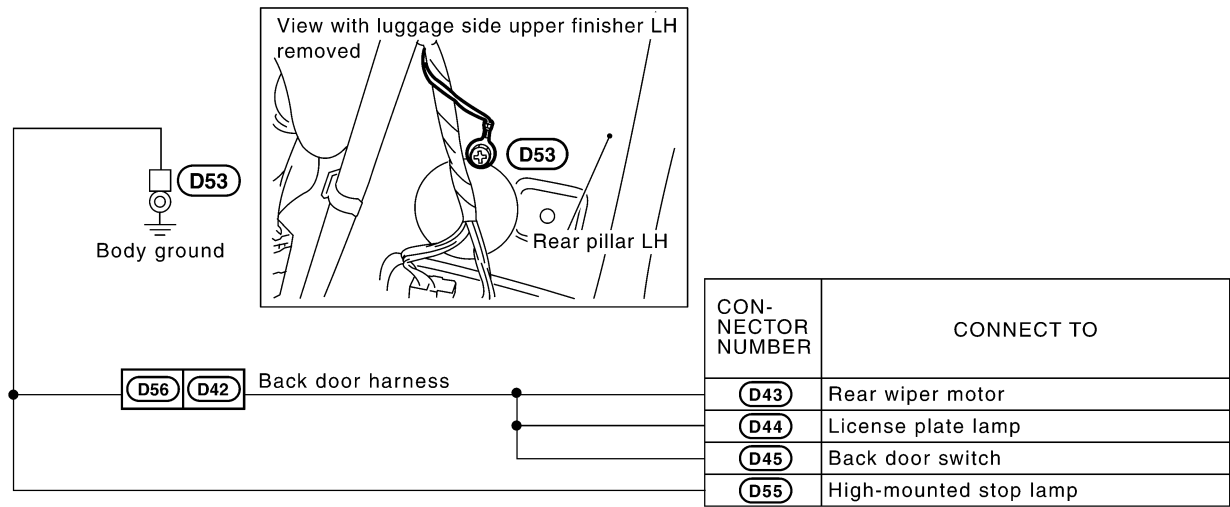


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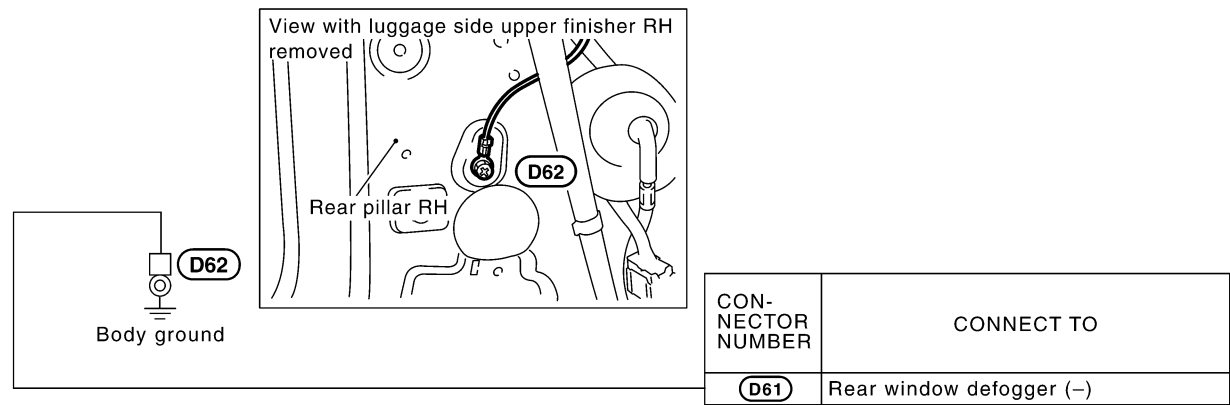
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BACK DOOR SUB HARNESS/REAR WINDOW DEFOGGER HARNESS

BACK DOOR SUB-HARNESS



REAR WINDOW DEFOGGER HARNESS



HARNESS

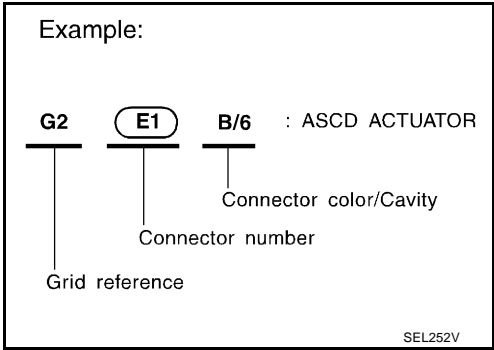
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Harness Layout
HOW TO READ HARNESS LAYOUTS

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

- Main Harness
- Engine Room Harness (Engine Compartment)














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

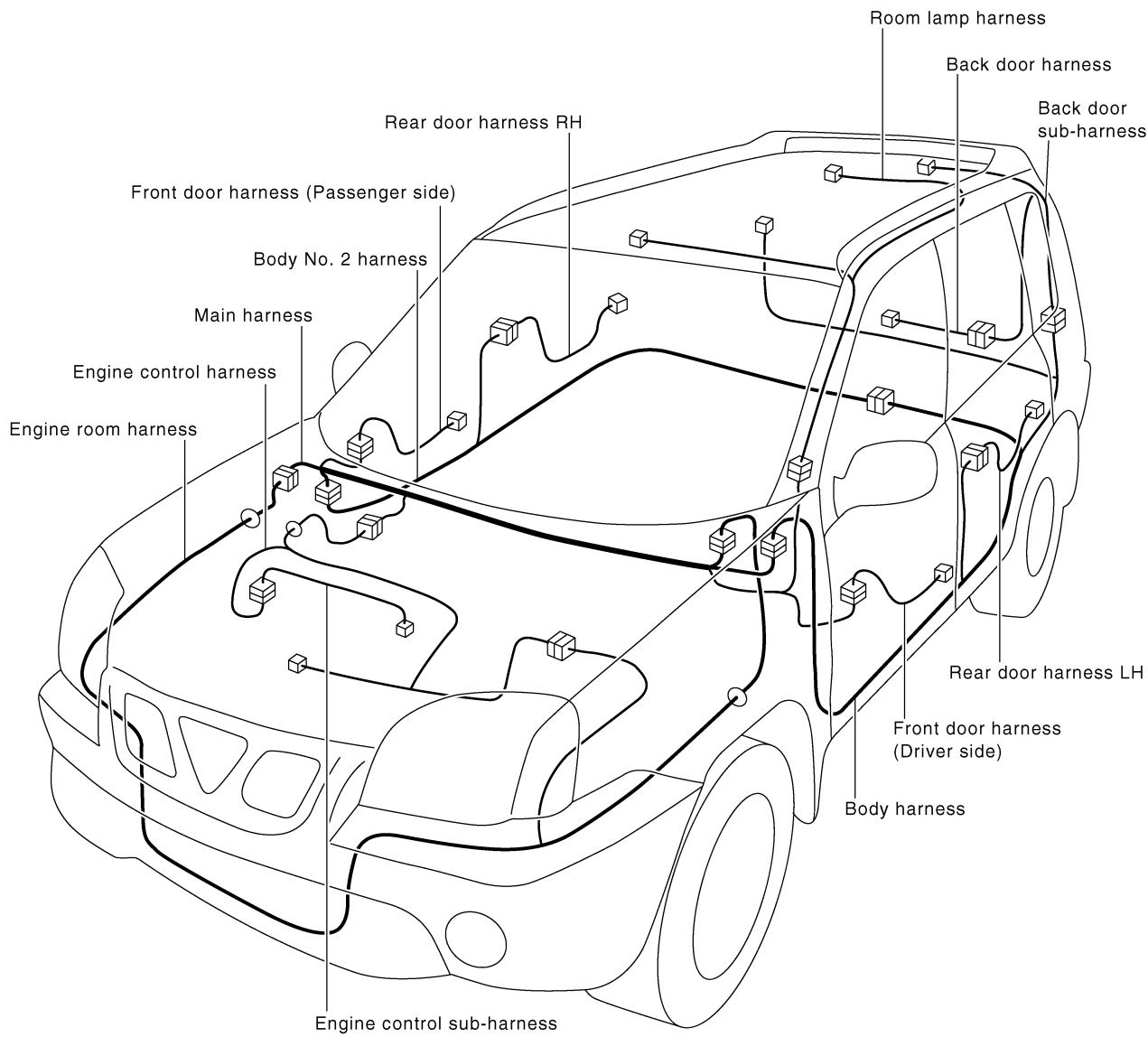
Main symbols of connector (in Harness Layout) are indicated in the below.

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.	—			

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HARNESS

OUTLINE/LHD MODELS



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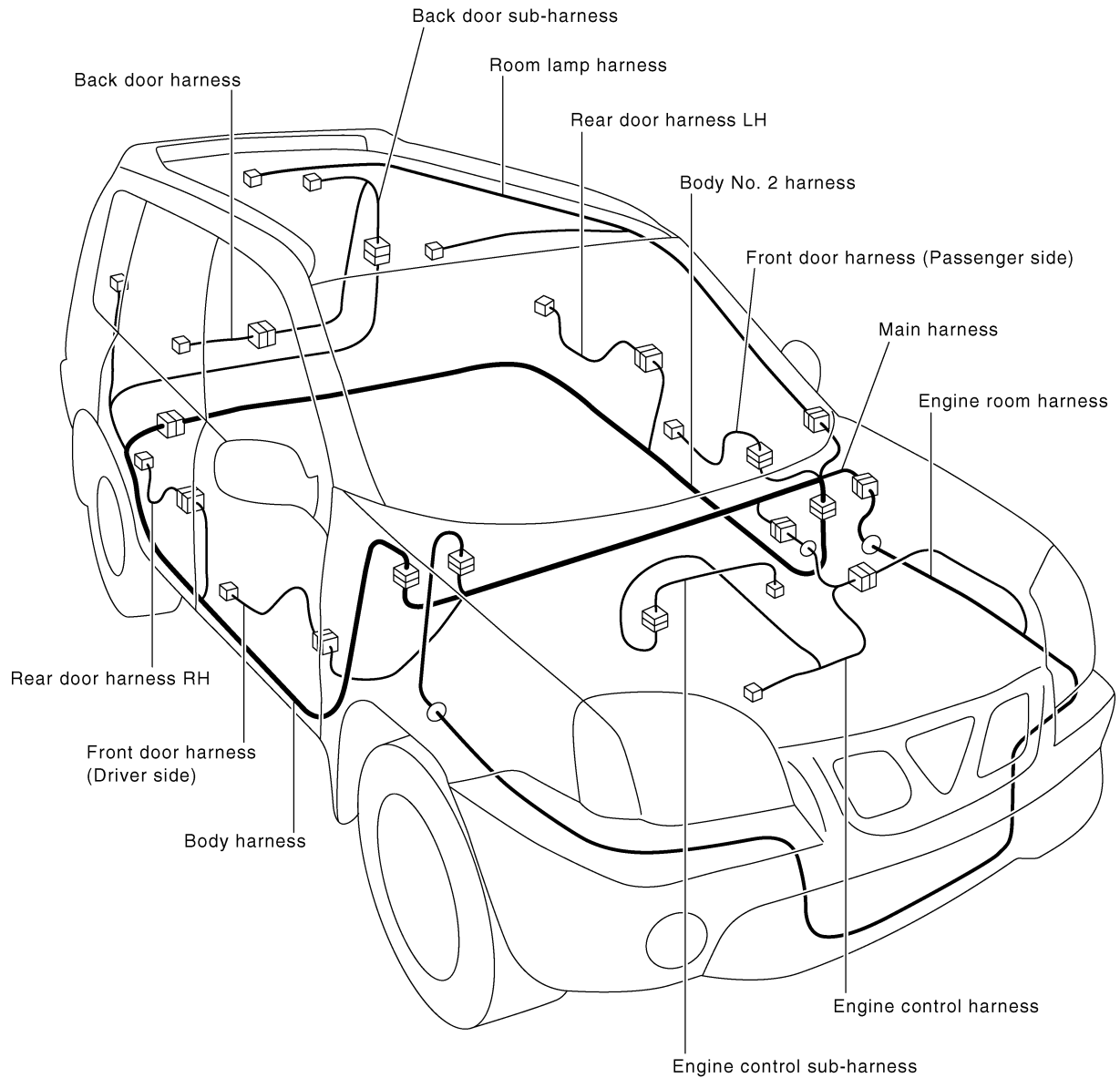
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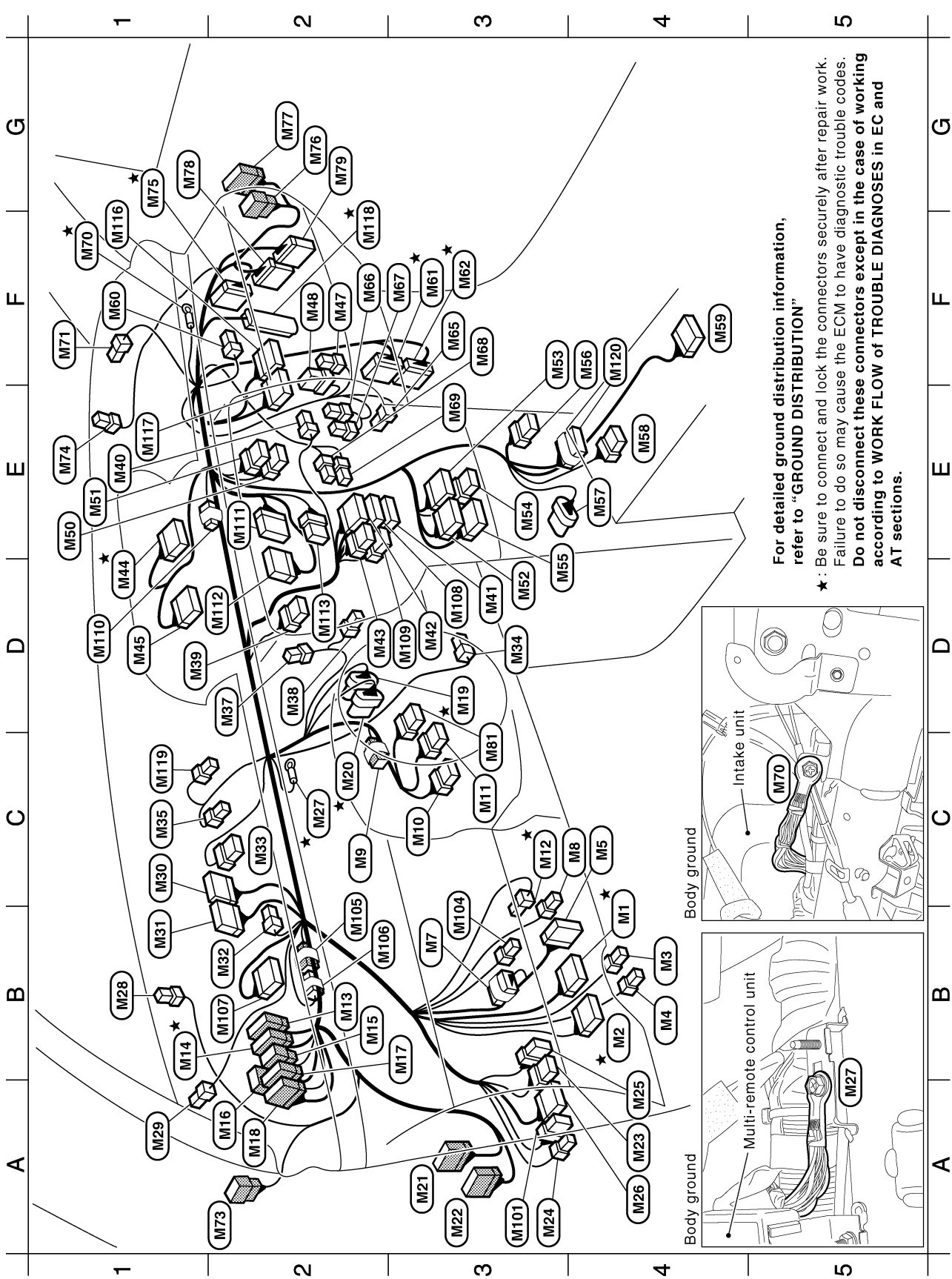
HARNESS

OUTLINE/RHD MODELS



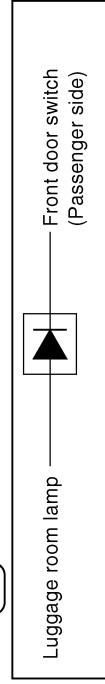
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MAIN HARNESS/LHD MODELS



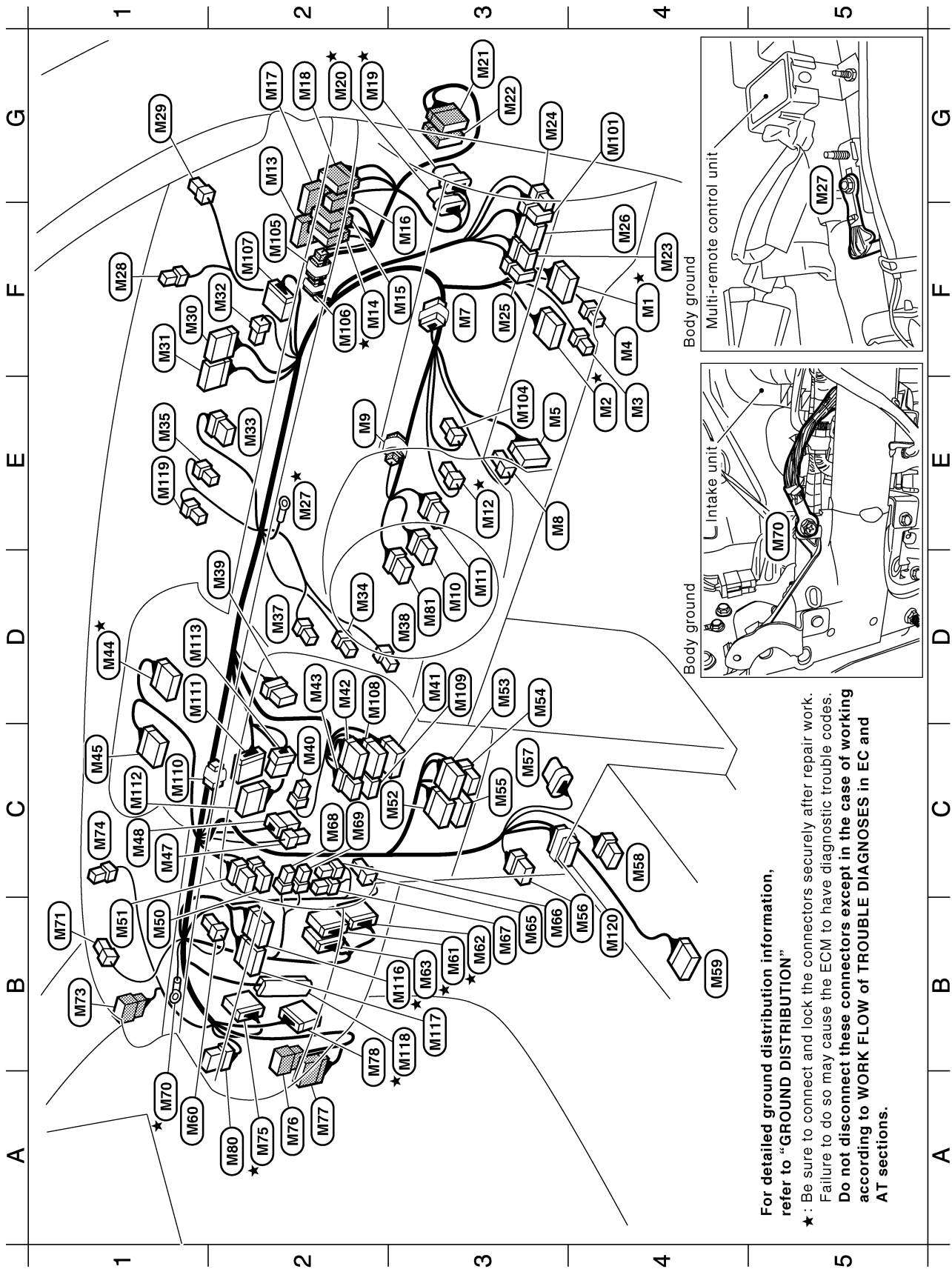
★	B4	M1	W/16 : Fuse block (J/B)	D2	M43	W/8 : Audio unit (With NAVI)	F1	M70	— : Body ground
★	B4	M2	W/10 : Fuse block (J/B)	D1	M44	W/40 : Combination meter	F1	M71	BR/2 : Tweeter RH
	B4	M3	L/4 : Power window relay	D1	M45	W/24 : Combination meter	A2	M73	W/8 : To R1
	B4	M4	W/2 : Circuit breaker (PTC)	F2	M47	W/3 : Intake door motor (With auto A/C)	E1	M74	B/2 : Sunload sensor (With auto A/C)
	C4	M5	W/16 : Data link connector	F2	M48	B/6 : Intake door motor (With manual A/C)	G1	M75	BR/20 : To E116
	B3	M7	W/6 : Option connector for theft warning system	E1	M50	W/6 : Rear window defogger switch (With manual A/C)	G2	M76	BR/8 : To D12
	C4	M8	L/4 : Cigarette lighter relay	E1	M51	W/8 : Hazard switch	G2	M77	W/12 : To D11
	C2	M9	BR/2 : Key switch	D3	M52	GY/20 : A/C auto amp. (With auto A/C)	G1	M78	W/12 : To D105
	C3	M10	Y/6 : Combination switch (Spiral cable)	F3	M53	GY/16 : A/C auto amp. (With auto A/C)	G2	M79	W/10 : To B106
	C3	M11	GY/8 : Combination switch (Spiral cable)	E3	M54	W/6 : Fan switch (With manual A/C)	C3	M81	W/8 : Steering angle sensor (With ESP)
★	C3	M12	W/4 : Stop lamp switch (With A/T)	D3	M55	W/12 : Heater control panel (With manual A/C)	A3	M101	W/8 : Driving lamp switch
			B/2 : Stop lamp switch (With M/T)				B3	M104	W/8 : Voice change relay
	B2	M13	W/12 : To E105	F4	M56	GY/6 : Cigarette lighter socket and ashtray illumination	B2	M105	B/2 : To M109
★	B1	M14	BR/16 : To E106				B2	M106	B/2 : To M105
	B2	M15	W/16 : To E107	E4	M57	W/5 : G sensor	B2	M107	W/16 : 4WD control unit
	A3	M16	W/6 : To B3	E4	M58	W/6 : A/T device	D3	M108	W/10 : Audio unit (Without NAVI)
	B3	M17	W/10 : To B1	F4	M59	Y/20 : Air bag diagnosis sensor unit	D3	M109	W/6 : Audio unit (Without NAVI)
	A2	M18	BR/20 : To B2	F1	M60	Y/2 : Front passenger air bag module	D1	M110	W/2 : Diode
★	D3	M19	GY/6 : Accelerator pedal position sensor (With gasoline engine)	F3	M61	BR/24 : To F41 (With gasoline engine)	E2	M111	W/32 : Transfer unit (With NAVI)
				F3	M62	W/16 : To F42 (With gasoline engine)	D2	M112	GY/24 : Display (With NAVI)
★	C2	M20	GY/6 : Accelerator work unit (With diesel engine)	F3	M65	W/2 : Blower motor	D2	M113	W/8 : NAVI switch (With NAVI)
	A3	M21	W/16 : To D1	F2	M66	BR/4 : Fan resistor (With manual A/C)	F1	M119	GY/24 : NAVI control unit (With NAVI)
	A3	M22	BR/12 : To D2	F3	M67	W/4 : Fan control amp. (With auto A/C)	E1	M117	W/24 : NAVI control unit (With NAVI)
	A4	M23	GY/8 : Headlamp washer switch	F3	M68	W/4 : Intake sensor (Gasoline engine with auto A/C)	F2	M118	SMJ : ECM
	A3	M24	W/4 : Headlamp aiming switch				C1	M119	W/2 : Driver pocket lamp
	A4	M25	GY/6 : ESP off switch (With ESP)	E3	M69	W/2 : Intake sensor (Diesel engine with auto A/C)	F4	M120	W/12 : Option connector for telephone
	A4	M26	W/10 : Door mirror remote control switch						
★	C2	M27	— : Body ground						
	B1	M28	BR/2 : Security indicator lamp						
	A1	M29	BR/2 : Tweeter LH						
	C1	M30	GY/16 : Time control unit						
	B1	M31	GY/20 : Time control unit						
	B2	M32	B/3 : Combination flasher unit						
	C2	M33	BR/8 : Multi-remote control unit						
	D3	M34	W/2 : In-vehicle sensor (With auto A/C)						
	C1	M35	B/2 : Front power socket						
	D2	M37	W/3 : Mode door motor (With auto A/C)						
	D2	M38	W/3 : Air mix door motor (With auto A/C)						
	D1	M39	GY/8 : 4WD mode switch						
	E1	M40	W/2 : Antenna amp.						
	D3	M41	W/16 : Audio unit (Without NAVI)						
	D3	M42	W/16 : Audio unit (With NAVI)						

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.

MAIN HARNESS/RHD MODELS

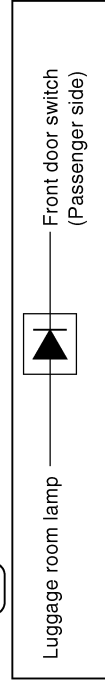


For detailed ground distribution information, refer to "GROUND DISTRIBUTION".

★: 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.

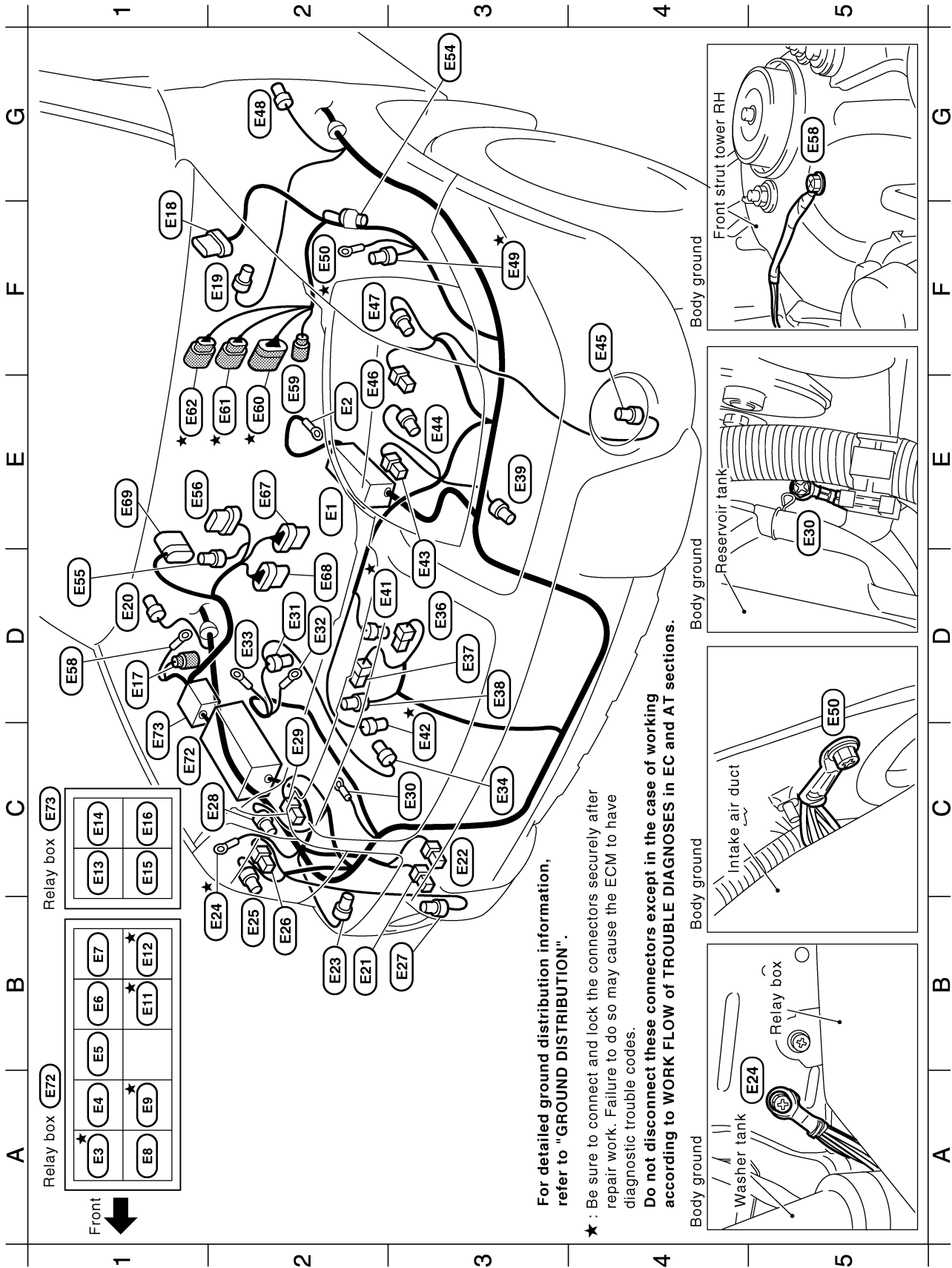
★ F4	★ M1	W/16 : Fuse block (J/B)	D2	★ M43	W/8 : Audio unit (With NAVI)	★ M70	— : Body ground
E4	★ M2	W/10 : Fuse block (J/B)	D1	★ M44	W/40 : Combination meter	M71	BR/2 : Tweeter LH
E4	M3	L/4 : Power window relay	C1	M45	W/24 : Combination meter	M73	W/8 : To R1
F4	M4	W/2 : Circuit breaker (PTC)	C1	M47	W/3 : Intake door motor (With auto A/C)	★ M74	B/2 : Sunload sensor (With auto A/C)
E3	M5	W/16 : Data link connector	C1	M48	B/6 : Intake door motor (With manual A/C)	★ M75	BR/20 : To E116
F3	M7	W/6 : Option connector for theft warning system	B1	M50	W/6 : Rear window defogger switch	M76	BR/8 : To D12
E3	M8	L/4 : Cigarette lighter relay	B1	M51	W/8 : Hazard switch	M77	W/12 : To D11
E2	M9	BR/2 : Key switch	C3	M52	GY/20 : A/C auto amp. (With auto A/C)	M78	BR/16 : To G105
D3	M10	Y/6 : Combination switch (Spiral cable)	D3	M53	GY/16 : A/C auto amp. (With auto A/C)	M80	BR/8 : Dongle unit
D3	M11	GY/8 : Combination switch (Spiral cable)	D3	M54	W/6 : Fan switch (With manual A/C)	M81	W/8 : Steering angle sensor (With ESP)
E3	★ M12	W/4 : Stop lamp switch (With A/T)	C3	M55	W/12 : Heater control panel (With manual A/C)	M101	W/8 : Driving lamp switch
G2	M13	B/2 : Stop lamp switch (With M/T)	B4	M56	GY/6 : Cigarette lighter socket and ashtray illumination	M104	W/8 : Voice change relay
F2	★ M14	W/20 : To E105	C3	M57	W/5 : G sensor	M105	B/2 : To M109
F3	M15	W/12 : To E106	C4	M58	W/6 : A/T device	M106	B/2 : To M105
F3	M16	W/4 : To B3	B4	M59	Y/20 : Air bag diagnosis sensor unit	M107	W/16 : 4WD control unit
G2	M17	W/12 : To B1	A1	M60	Y/2 : Front passenger air bag module	M109	W/6 : Audio unit (Without NAVI)
G2	M18	BR/20 : To B2	B3	★ M61	BR/24 : To F41 (With gasoline engine)	M110	W/2 : Diode
G2	★ M19	GY/6 : Accelerator pedal position sensor (With gasoline engine)	B3	★ M62	W/16 : To F42 (With gasoline engine)	M111	W/32 : Transfer unit (With NAVI)
G2	★ M20	GY/6 : Accelerator work unit (With diesel engine)	B3	★ M63	W/16 : To F30 (With diesel engine)	M112	GY/24 : Display (With NAVI)
G3	M21	W/18 : To D1	B3	M65	W/2 : Blower motor	M113	W/8 : NAVI switch (With NAVI)
G3	M22	BR/12 : To D2	B3	M66	BR/4 : Fan resistor (With manual A/C)	M116	GY/24 : NAVI control unit (With NAVI)
F4	M23	GY/8 : Headlamp washer switch	B3	M67	W/4 : Fan control amp. (With auto A/C)	M117	W/24 : NAVI control unit (With NAVI)
G3	M24	W/4 : Headlamp aiming switch	B3	M68	W/4 : Intake sensor (Gasoline engine with auto A/C)	★ M118	SMJ : ECM
F3	M25	GY/6 : ESP off switch (With ESP)	C2	M69	W/2 : Intake sensor (Diesel engine with auto A/C)	M119	W/2 : Driver pocket lamp
F4	M26	W/10 : Door mirror remote control switch	C2			M120	W/12 : Option connector for telephone
E2	★ M27	— : Body ground					
F1	M28	BR/2 : Security indicator lamp					
G1	M29	BR/2 : Tweeter RH					
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 (With auto A/C)					
E1	M35	B/2 : Front power socket					
D2	M37	W/3 : Mode door motor (With auto A/C)					
D3	M38	W/3 : Air mix door motor (With auto A/C)					
D2	M39	GY/8 : 4WD mode switch					
C2	M40	W/2 : Antenna amp.					
D3	M41	W/16 : Audio unit (Without NAVI)					
D2	M42	W/16 : Audio unit (With NAVI)					

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.

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

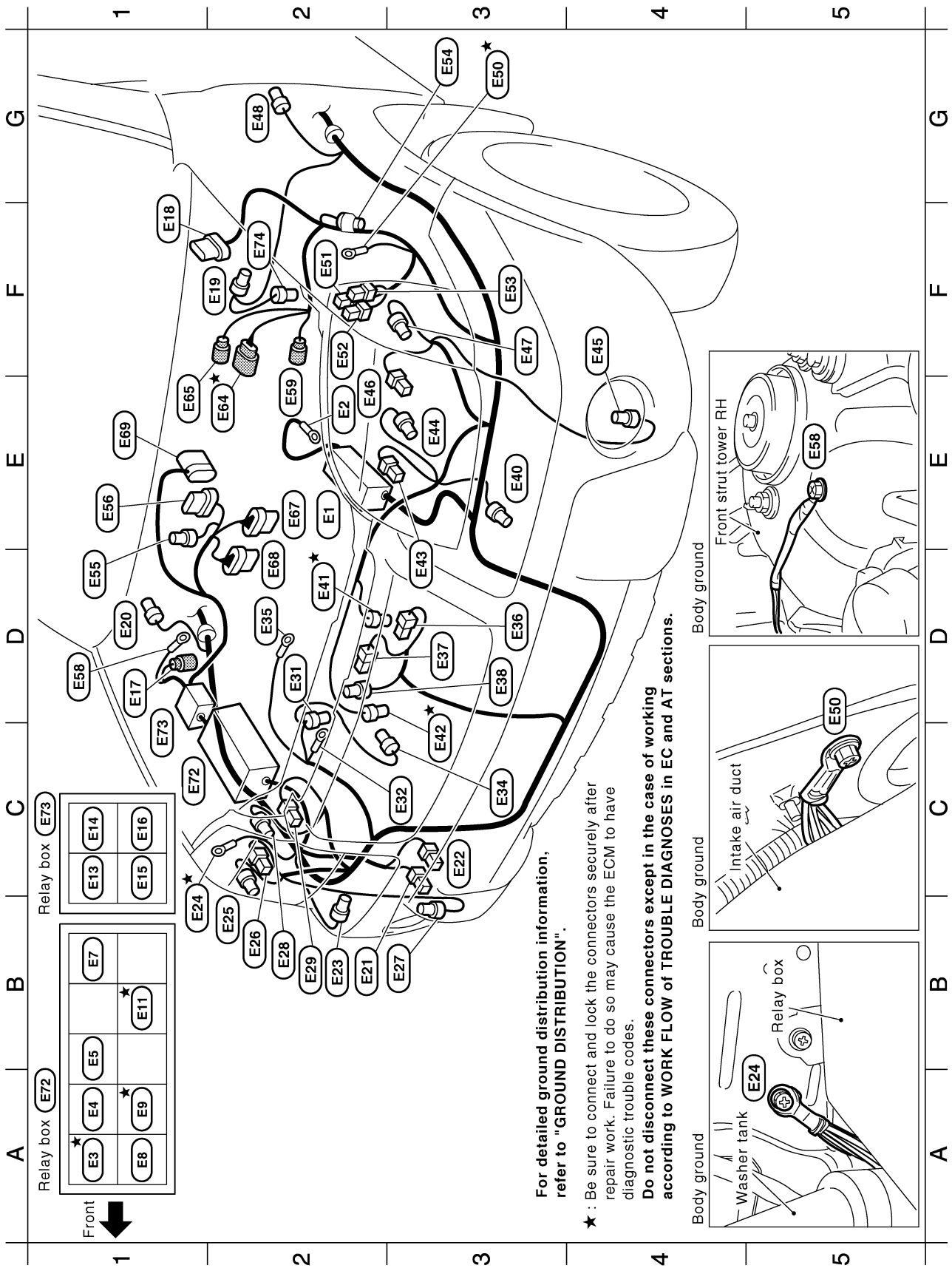


E3	(E44)	B/3	: Headlamp aiming motor LH
F4	(E45)	-/2	: Front fog lamp LH
E2	(E46)	B/3	: Headlamp LH
F2	(E47)	GY/2	: Front turn signal lamp LH
G2	(E48)	BR/2	: Side turn signal lamp LH
F3	★(E49)	GY/2	: Dropping resistor (With A/T)
F2	★(E50)	—	: Body ground
G3	(E54)	W/2	: Option connector for hood switch
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	★(E60)	GY/9	: To (F36)
E2	★(E61)	DGY/8	: To (F38)
E1	★(E62)	GY/8	: To (F37)
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, C1	(E72)	—	: Relay box
C1	(E73)	—	: Relay box

★: 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.

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 (With auto A/C)
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
A1	★(E9)	BR/6	: Cooling fan relay-2
B1	★(E11)	BR/6	: Cooling fan relay-3
B1	★(E12)	L/4	: Throttle control motor relay
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 motor
C3	(E22)	G/2	: Rear washer motor
B2	(E23)	W/2	: Headlamp washer motor
B2	★(E24)	—	: Body ground
B2	(E25)	GY/2	: Front turn signal lamp RH
B2	(E26)	B/3	: Headlamp RH
B3	(E27)	-/2	: Front fog lamp RH
C2	(E28)	B/3	: Headlamp aiming motor RH
C2	(E29)	B/2	: Parking lamp RH
C3	(E30)	—	: Body ground
D2	(E31)	W/2	: Alternator
D2	(E32)	—	: Alternator
D2	(E33)	—	: Alternator
C3	(E34)	B/1	: Compressor (With auto A/C)
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 (With auto A/C)
D2	★(E41)	GY/2	: Cooling fan motor-1
C3	★(E42)	GY/4	: Cooling fan motor-2
D3	(E43)	B/2	: Parking lamp LH

Engine Compartment for Diesel Engine Models

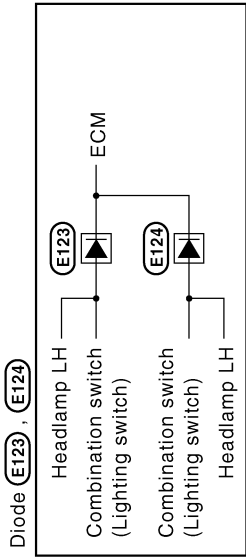
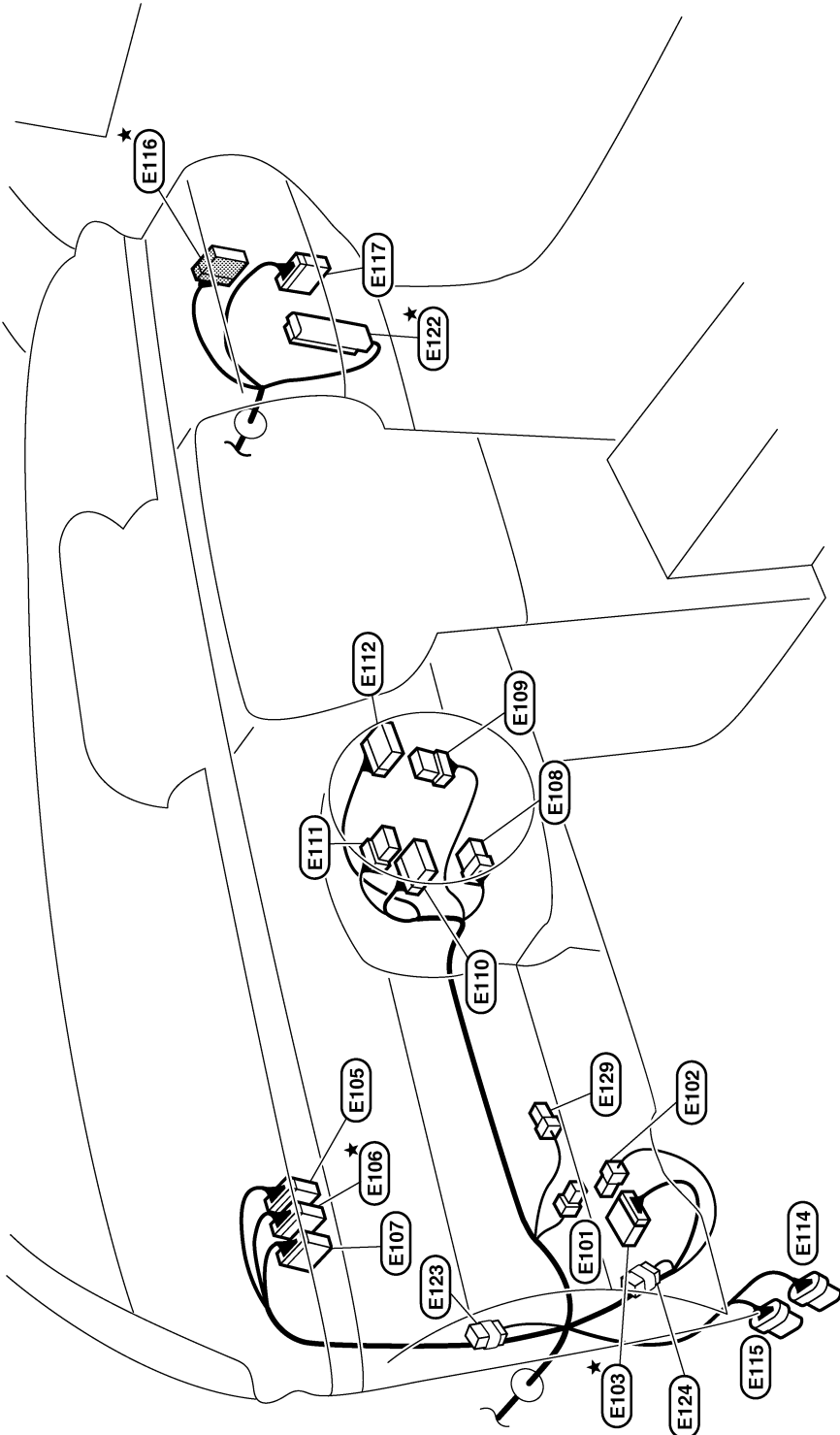


F3	(E47)	GY/2	Front turn signal lamp LH
G2	(E48)	BR/2	Side turn signal lamp LH
G3	★ (E50)	—	Body ground
F2	(E51)	W/1	Glow relay
F2	(E52)	W/1	Glow relay
F3	(E53)	G/2	Glow relay
G3	(E54)	W/2	Option connector for hood switch
D1	(E55)	B/2	ESP relay box (With ESP)
E1	(E56)	B/8	ESP relay box (With ESP)
D1	(E58)	—	Body ground
E2	(E59)	L/2	Front wheel sensor LH
E2	★ (E64)	B/6	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, C1	(E72)	—	Relay box
C1	(E73)	—	Relay box
F2	(E74)	BR/2	Fuel filter switch

★: 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.

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 (With auto A/C)
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 motor
C3	(E22)	G/2	Rear washer motor
B2	(E23)	W/2	Headlamp washer motor
B1	★ (E24)	—	Body ground
B2	(E25)	GY/2	Front turn signal lamp RH
B2	(E26)	B/3	Headlamp RH
B3	(E27)	-/2	Front fog lamp RH
B2	(E28)	B/3	Headlamp aiming motor RH
B2	(E29)	B/2	Parking lamp RH
D2	(E31)	W/2	Alternator
C3	(E32)	—	Alternator
C3	(E34)	B/1	Compressor (With auto A/C)
D2	(E35)	—	Glow plug
D3	(E36)	B/1	Horn high
D3	(E37)	B/1	Horn low
D3	(E38)	B/2	Ambient sensor
E3	(E40)	B/2	Dual-pressure switch (With auto A/C)
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
E2	(E46)	B/3	Headlamp LH

Passenger Compartment



- (E115) GY/8 : Daytime light control unit
- (E116) BR/20 : To (M75)
- (E117) W/10 : To (B101)
- (E122) SMJ : ESP/TCS/ABS control unit (With ESP)
- (E123) W/2 : Diode (With gasoline engine)
- (E124) W/2 : Diode (With gasoline engine)
- (E129) BR/6 : Driving lamp relay-2

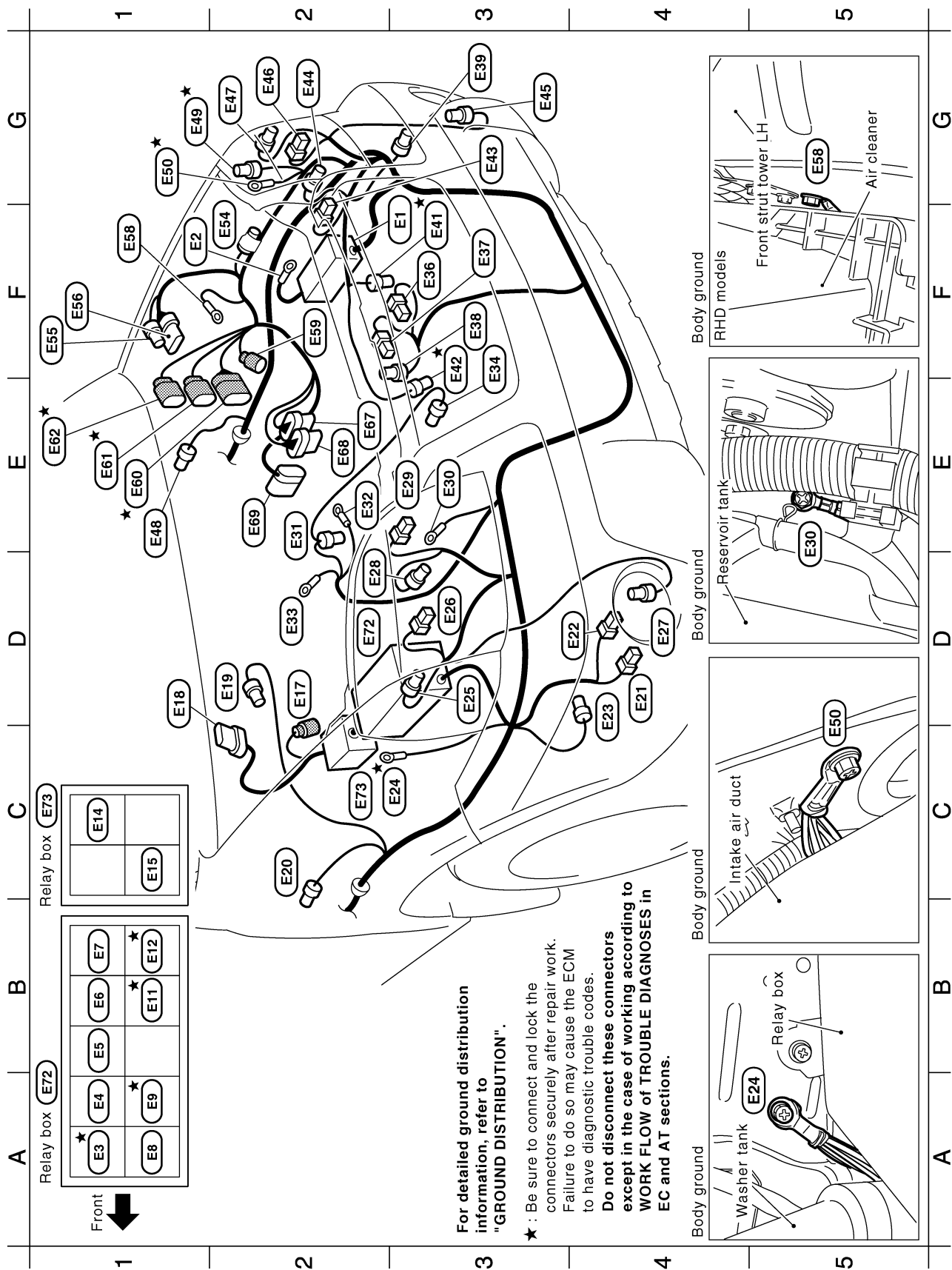
- (E101) B/2 : Fuse block (J/B)
- (E102) W/4 : Fuse block (J/B)
- (E103) W/12 : Fuse block (J/B)
- (E105) W/12 : To (M13)
- (E106) BR/16 : To (M14)
- (E107) W/16 : To (M15)
- (E108) W/6 : Ignition switch
- (E109) W/8 : NATS IMMU
- (E110) BR/12 : Combination switch (Lighting switch)
- (E111) W/8 : Combination switch (Fog lamp switch)
- (E112) GY/12 : Combination switch (Wiper and washer switch)
- (E114) GY/6 : Daytime light control unit

★ : 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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HARNESS

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



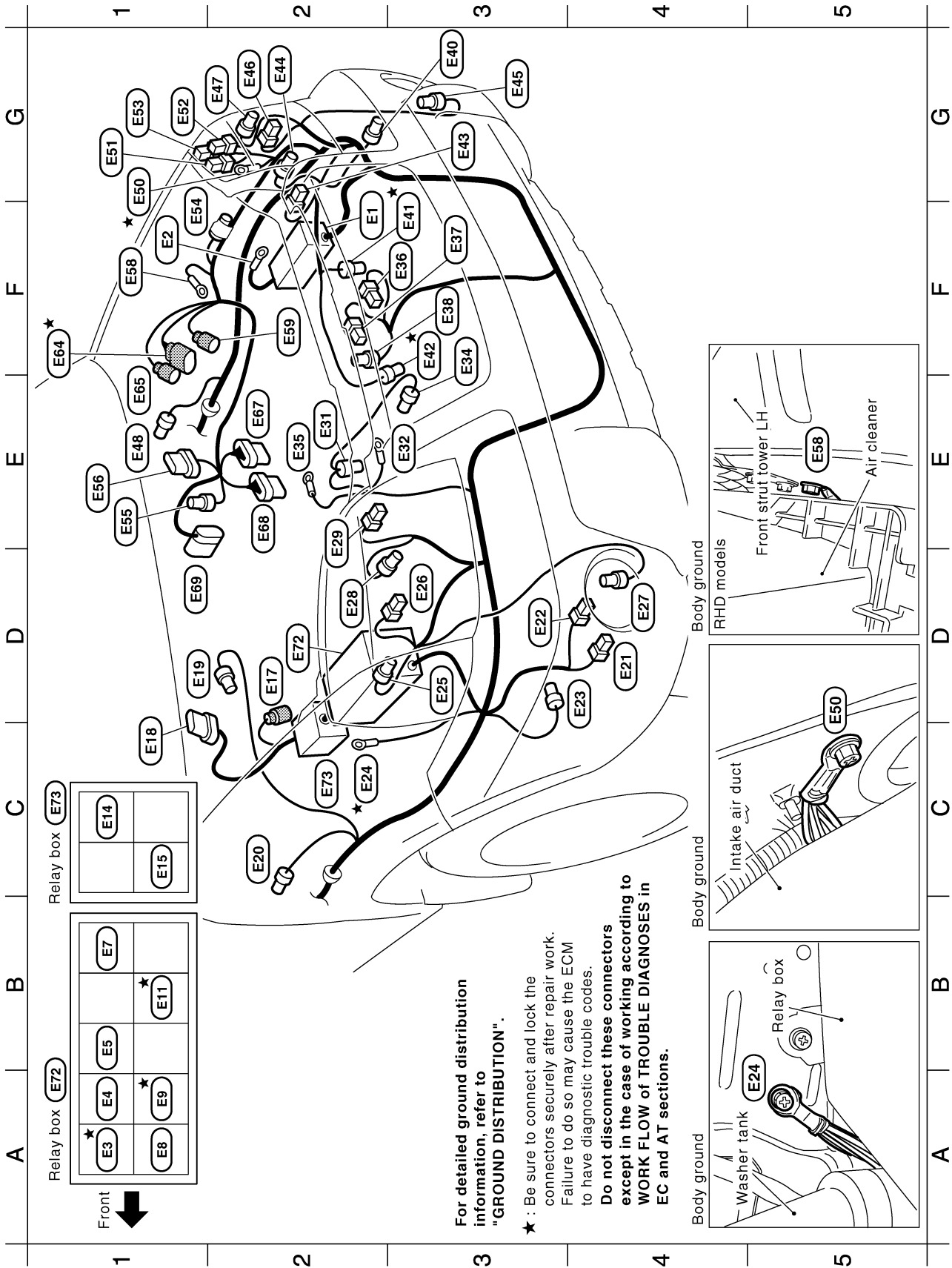
F3	(E1)	—	: Fuse and Fusible link box
F1	(E2)	—	: Battery (+)
A1	(E3)	BR/6	: Cooling fan relay-1
A1	(E4)	W/3	: Horn relay
B1	(E5)	L/4	: Air conditioner relay
B1	(E6)	L/4	: Park/Neutral position relay (With A/T)
B1	(E7)	L/4	: Front fog lamp relay
A1	(E8)	BR/6	: Headlamp washer timer
A1	(E9)	BR/6	: Cooling fan relay-2
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 motor
D4	(E22)	G/2	: Rear washer motor
D4	(E23)	W/2	: Headlamp washer motor
C3	(E24)	—	: Body ground
D3	(E25)	GY/2	: Front turn signal lamp RH
D3	(E26)	B/3	: Headlamp RH
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
E2	(E31)	W/2	: Alternator
E2	(E32)	—	: Alternator
D2	(E33)	—	: Alternator
F3	(E34)	B/1	: Compressor (With auto A/C)
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 (With auto A/C)
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
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)	W/2	: Option connector for hood switch
F1	(E55)	B/2	: ESP relay box (With ESP)
F1	(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)
E2	(E69)	SMJ	: ABS actuator and electric unit (Without ESP)
A1, D2	(E72)	—	: Relay box
C1, C2	(E73)	—	: Relay box

★: 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



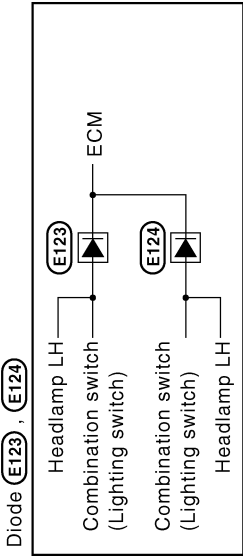
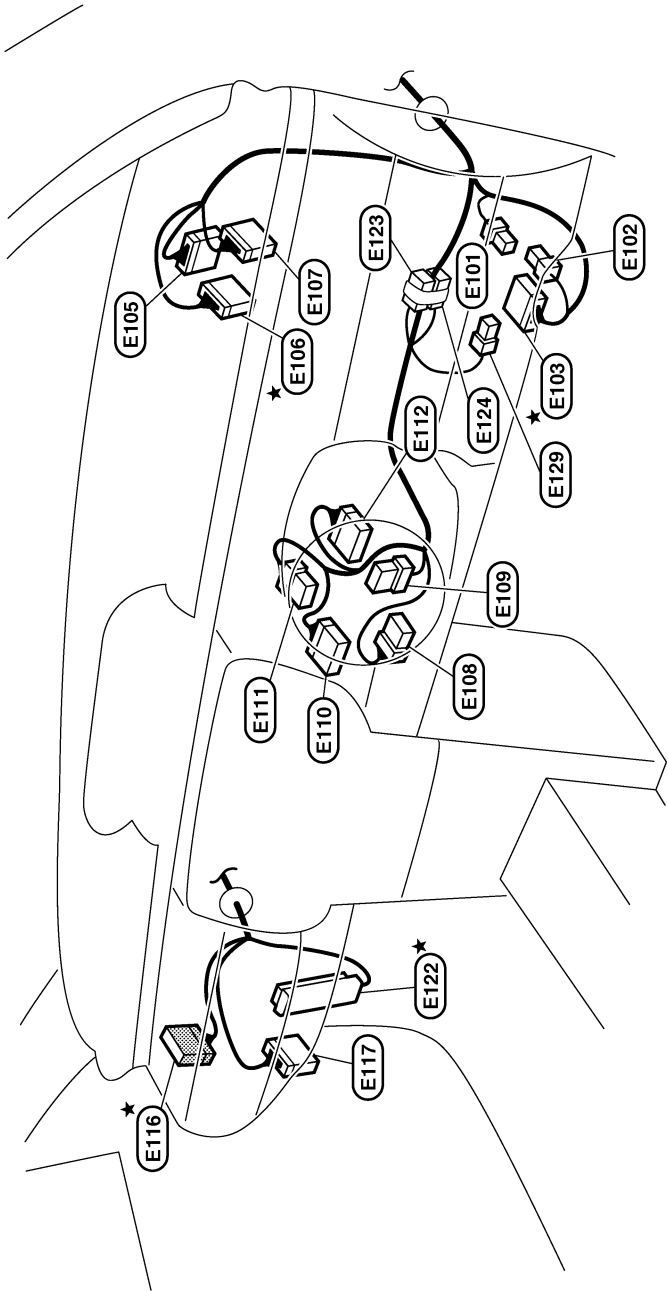
TKIA0144E

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 motor
D3	(E22)	G/2	: Rear washer motor
D4	(E23)	W/2	: Headlamp washer motor
C2	(E24)	—	: Body ground
D3	(E25)	GY/2	: Front turn signal lamp RH
D3	(E26)	B/3	: Headlamp RH
D4	(E27)	-/2	: Front fog lamp RH
D2	(E28)	B/3	: Headlamp aiming motor RH
E2	(E29)	B/2	: Parking lamp RH
E2	(E31)	W/2	: Alternator
E3	(E32)	—	: Alternator
F3	(E34)	B/1	: Compressor (With auto A/C)
E2	(E35)	—	: Glow plug
F3	(E36)	B/1	: Horn high
F3	(E37)	B/1	: Horn low
F3	(E38)	B/2	: Ambient sensor
G3	(E40)	B/2	: Dual-pressure switch (With auto A/C)
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

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)	W/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)	B/6	: 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

★: 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

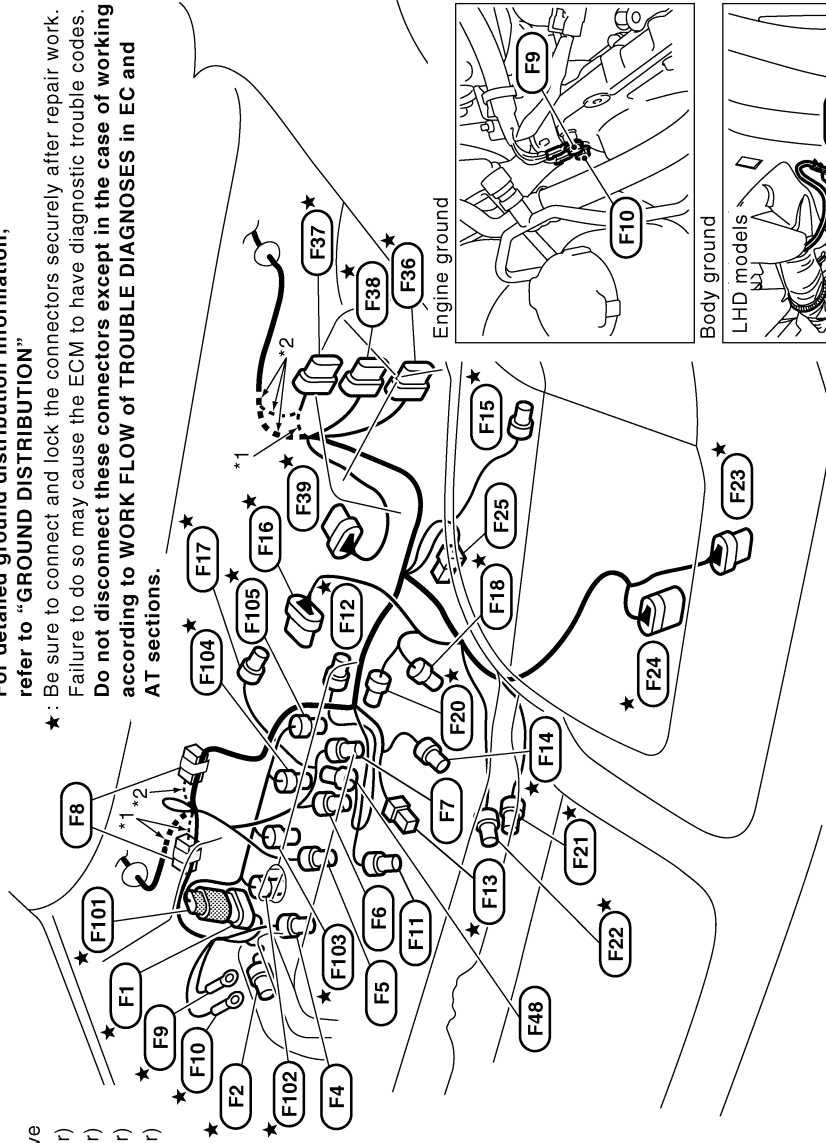


★ : Be sure to connect and lock the connectors securely after repair work.
Failure to do so may cause the ECM to have diagnostic trouble codes.
Do not disconnect these connectors except in the case of working according to WORK FLOW of TROUBLE DIAGNOSES in EC and AT sections.

ENGINE CONTROL HARNESS
QR25 Engine Models with A/T

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.



- ★ F1 : To (F101)
- ★ F2 : Intake valve timing control solenoid valve
- GY/6 : 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
- ★ F9 : Engine ground
- ★ F10 : 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
- ★ F18 : Engine coolant temperature sensor
- ★ F20 : Camshaft position sensor (PHASE)
- ★ F21 : Heated oxygen sensor 1
- ★ F22 : Heated oxygen sensor 2
- ★ F23 : A/T solenoid valve
- ★ F24 : Park/Neutral position switch
- ★ F25 : Starter motor
- ★ F36 : To (E60)
- ★ F37 : To (E62)
- ★ F38 : To (E61)
- ★ F39 : Mass air flow sensor
- ★ F41 : To (M61)
- ★ F42 : To (M62)
- ★ F43 : ECM
- ★ F44 : ECM relay
- ★ F46 : TCM (Transmission control module)
- ★ F47 : TCM (Transmission control module)
- ★ F48 : V/AS control solenoid valve
- ★ F49 : Body ground

- ★ F101 : To (F1)
- ★ F102 : Injector No. 1
- ★ F103 : Injector No. 2
- ★ F104 : Injector No. 3
- ★ F105 : Injector No. 4

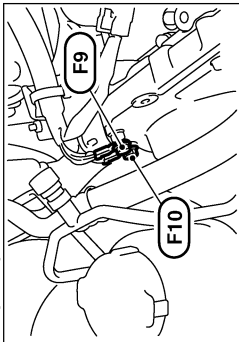
- ★ F106 : To (F1)
- ★ F107 : Injector No. 1
- ★ F108 : Injector No. 2
- ★ F109 : Injector No. 3
- ★ F110 : Injector No. 4

- ★ F111 : To (F1)
- ★ F112 : Injector No. 1
- ★ F113 : Injector No. 2
- ★ F114 : Injector No. 3
- ★ F115 : Injector No. 4

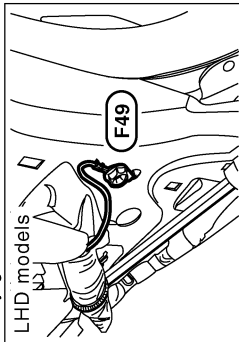
- ★ F116 : To (F1)
- ★ F117 : Injector No. 1
- ★ F118 : Injector No. 2
- ★ F119 : Injector No. 3
- ★ F120 : Injector No. 4

- ★ F121 : To (F1)
- ★ F122 : Injector No. 1
- ★ F123 : Injector No. 2
- ★ F124 : Injector No. 3
- ★ F125 : Injector No. 4

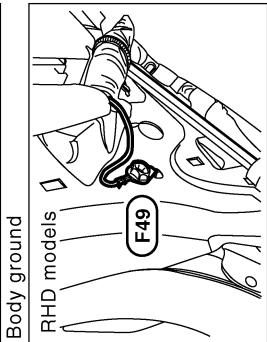
- ★ F126 : To (F1)
- ★ F127 : Injector No. 1
- ★ F128 : Injector No. 2
- ★ F129 : Injector No. 3
- ★ F130 : Injector No. 4



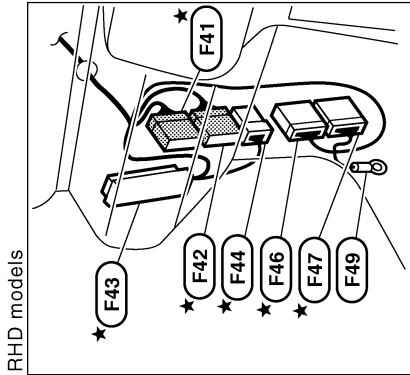
Engine ground



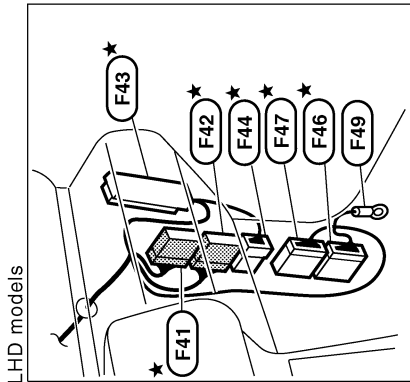
Body ground
LHD models



Body ground
RHD models



RHD models



LHD models

Engine control sub-harness

- ★ F101 : To (F1)
- ★ F102 : Injector No. 1
- ★ F103 : Injector No. 2
- ★ F104 : Injector No. 3
- ★ F105 : Injector No. 4

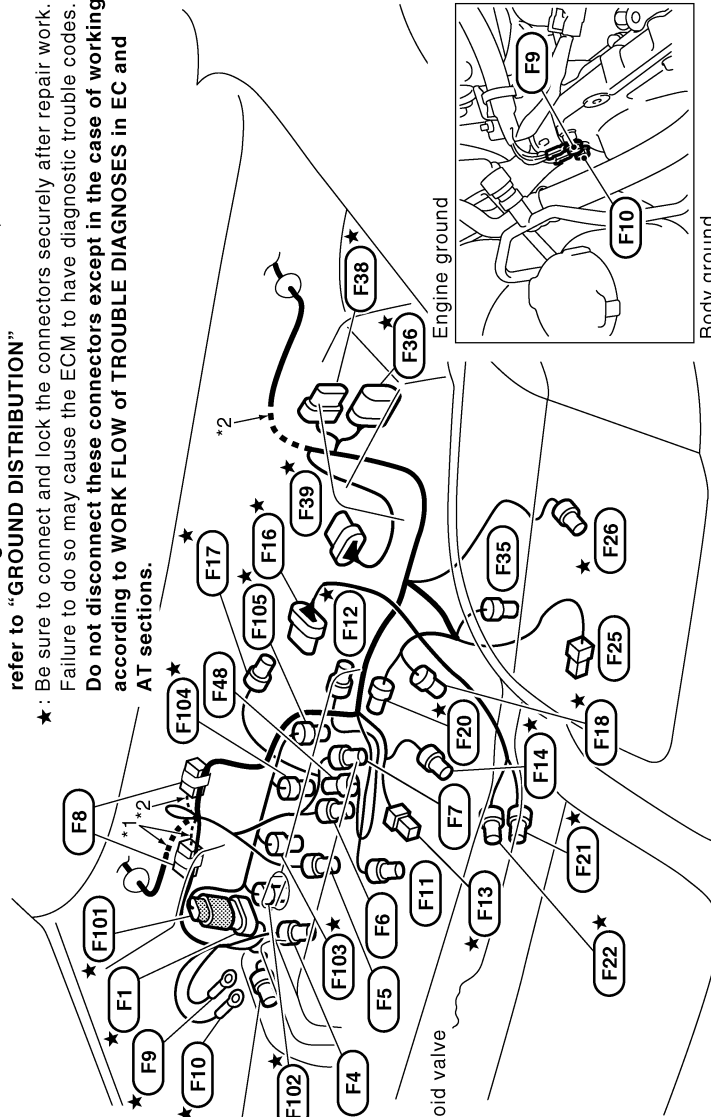
*1 : LHD models

*2 : RHD models

QR25 Engine Models with M/T

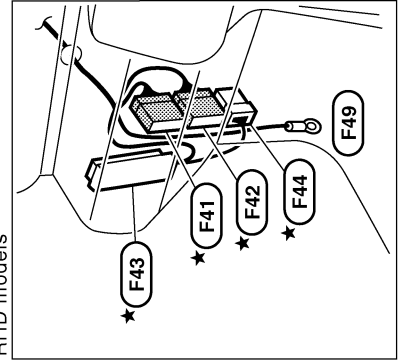
For detailed ground distribution information, refer to "GROUND DISTRIBUTION"

★ : 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.

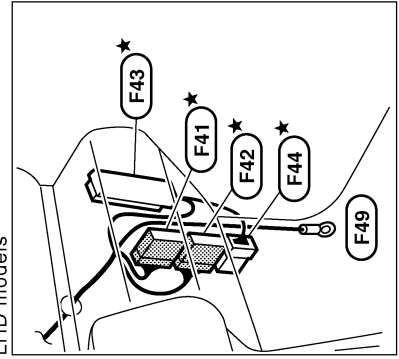


*1 : LHD models
*2 : RHD models

RHD models



LHD models



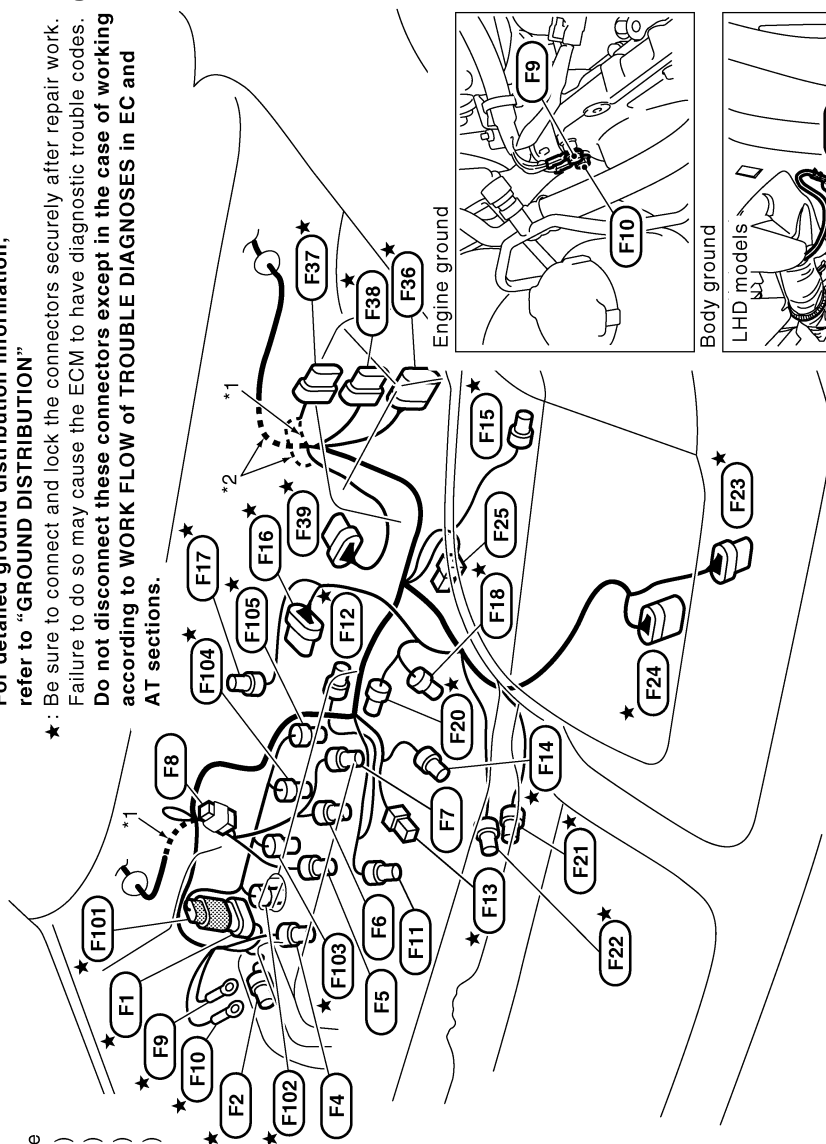
Engine control sub-harness

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

QR20 Engine Models with A/T

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.

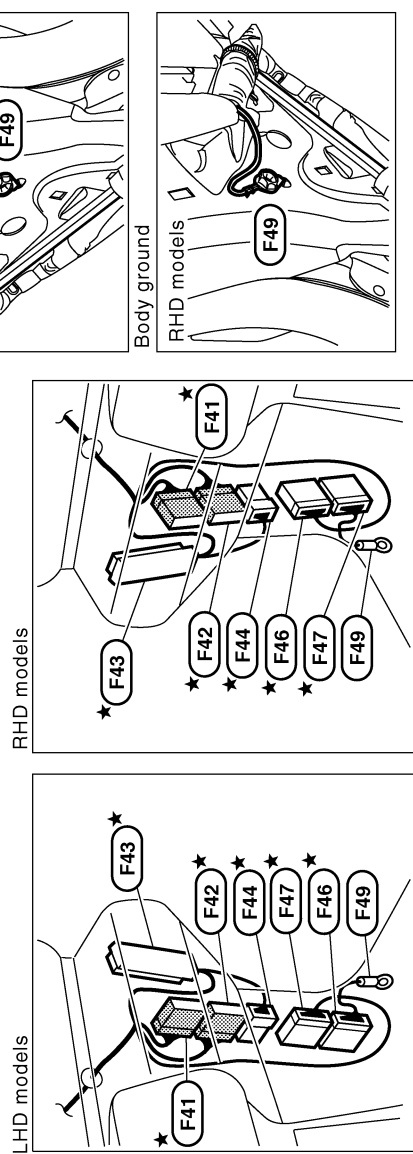


- | | | | |
|-------|-------|---|---|
| ★ F1 | DGY/6 | : | To (F101) |
| ★ F2 | G/2 | : | Intake valve timing control solenoid valve |
| ★ F3 | GY/3 | : | Ignition coil No. 1 (With power transistor) |
| ★ F4 | GY/3 | : | Ignition coil No. 2 (With power transistor) |
| ★ F5 | GY/3 | : | Ignition coil 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 | — | : | 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) |
| ★ F15 | B/3 | : | Revolution sensor |
| ★ 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 |
| ★ F23 | B/8 | : | A/T solenoid valve |
| ★ F24 | B/10 | : | Park/Neutral position switch |
| ★ F25 | B/1 | : | Starter motor |
| ★ F36 | GY/9 | : | To (E60) |
| ★ F37 | GY/8 | : | To (E62) |
| ★ F38 | DGY/8 | : | To (E61) |
| ★ F39 | B/6 | : | Mass air flow sensor |
| ★ F41 | BR/24 | : | To (M61) |
| ★ F42 | W/16 | : | To (M62) |
| ★ F43 | SMJ | : | ECM |
| ★ F44 | BR/6 | : | ECM relay |
| ★ F46 | W/24 | : | TCM (Transmission control module) |
| ★ F47 | GY/24 | : | TCM (Transmission control module) |
| ★ F49 | — | : | Body ground |

Engine control sub-harness

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

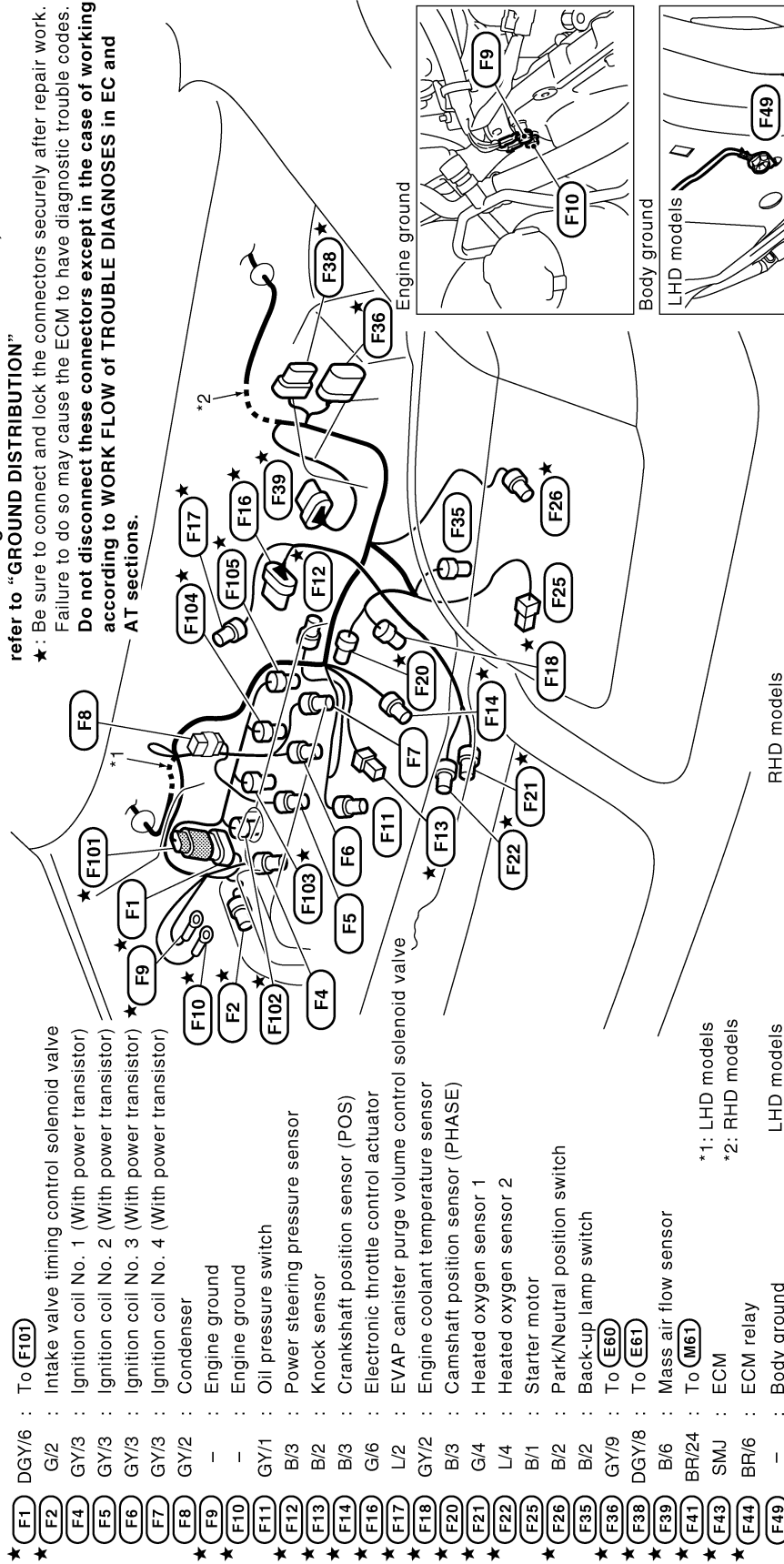
*1 : LHD models
*2 : RHD models



QR20 Engine Models with M/T

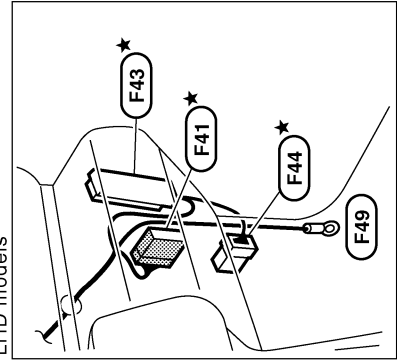
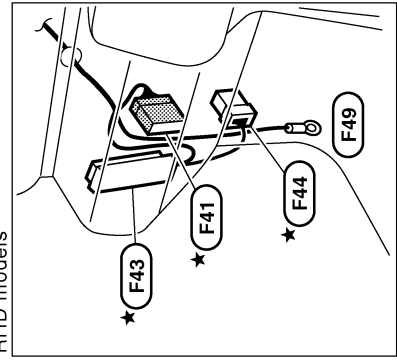
For detailed ground distribution information, refer to "GROUND DISTRIBUTION"

★: 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.



RHD models

LHD models



Diesel Engine Models

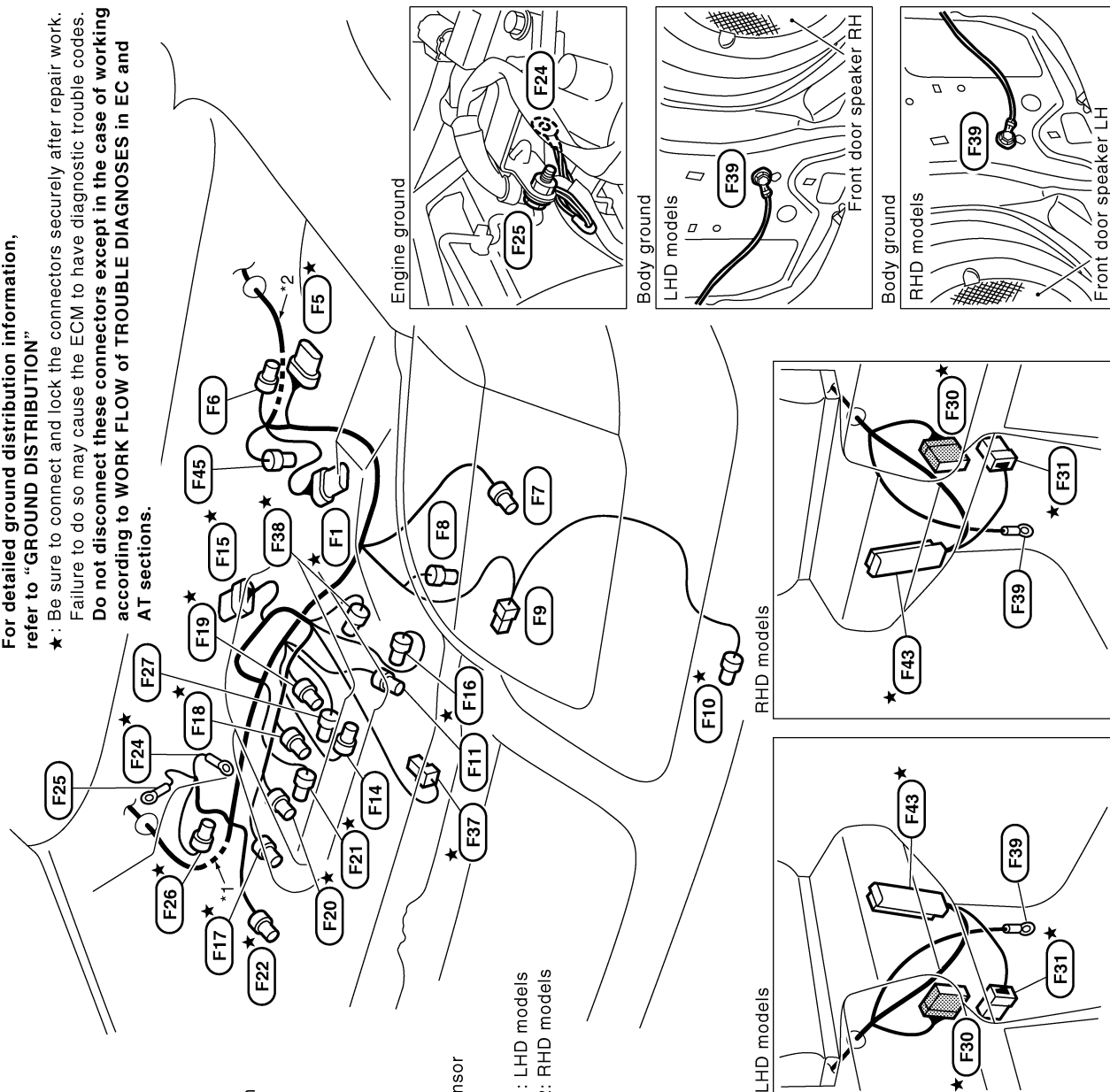
For detailed ground distribution information, refer to "GROUND DISTRIBUTION"

★: 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.

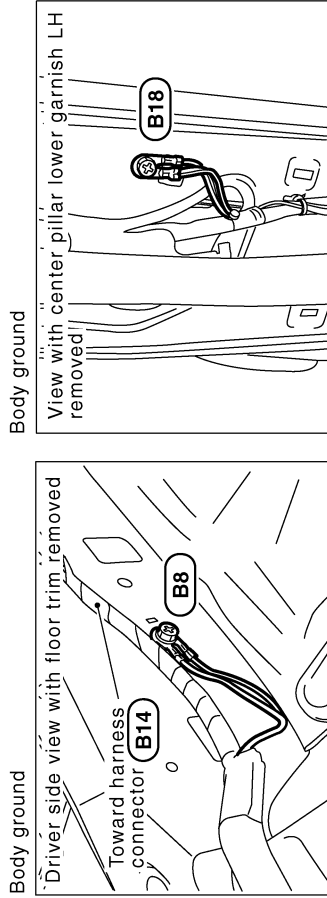
★ F1	B/6	: Mass air flow sensor
★ F5	DGY/6	: To (E64)
F6	B/2	: To (E65)
F7	B/2	: Park/Neutral position switch
F8	B/2	: Back-up lamp switch
F9	B/1	: Starter motor
F10	B/3	: Crankshaft position sensor
F11	GY/1	: Oil pressure switch
F14	B/2	: Power steering pressure switch
F15	DGY/6	: EGR volume control valve
★ F16	B/3	: Camshaft position sensor
★ F17	W/4	: Fuel injector No. 1
★ F18	W/4	: Fuel injector No. 3
★ F19	W/4	: Fuel injector No. 4
★ F20	W/4	: 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
F45	BR/2	: Fuel filter switch (RHD models)

*1: LHD models

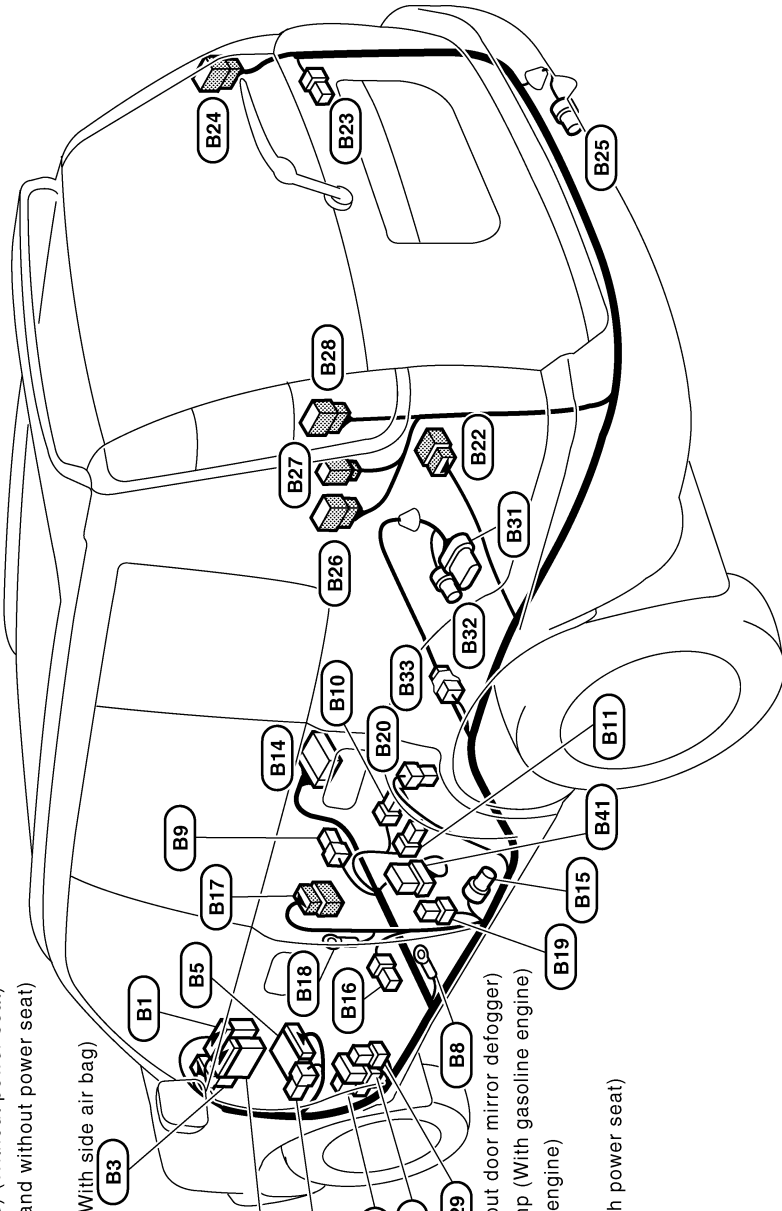
*2: RHD models



BODY HARNESS/LHD MODELS

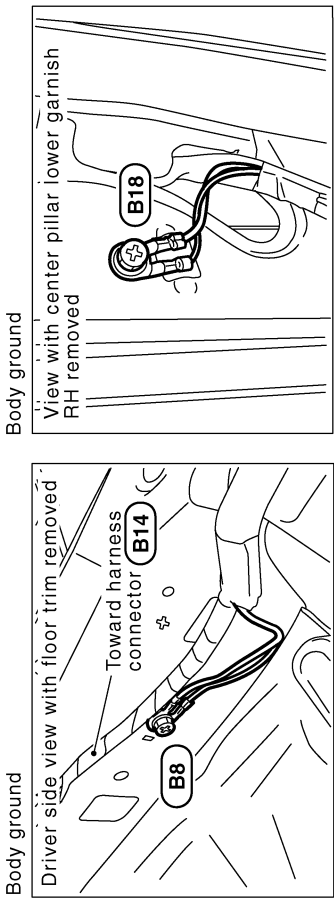


B1	W/10	To (M17)
B2	BR/20	To (M18)
B3	W/6	To (M16)
B4	W/3	Fuse block (J/B)
B5	W/10	Fuse block (J/B)
B6	BR/6	Rear window defogger relay (With door mirror defogger)
B7	L/4	Fuel transport pump relay
B8	—	Body ground
B9	Y/2	Front LH side air bag module (With side air bag)
B10	W/3	Seat belt buckle switch (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 (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)
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)



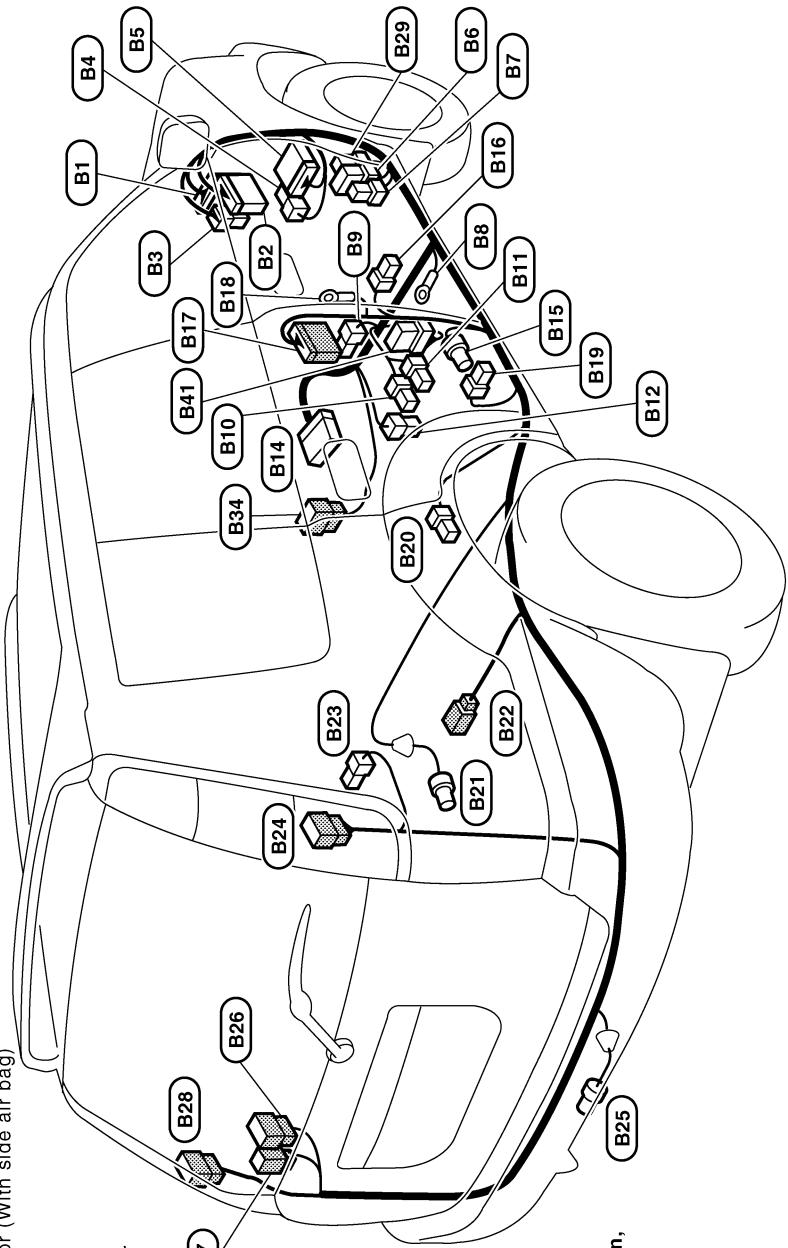
For detailed ground distribution information, refer to "GROUND DISTRIBUTION".

BODY HARNESS/RHD MODELS

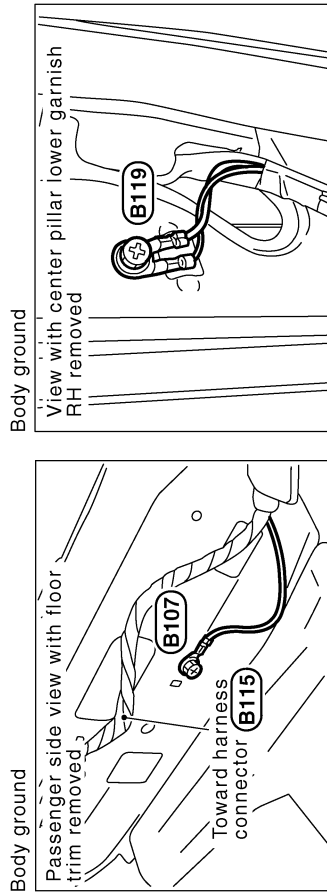


- B1 W/12 : To M17
B2 BR/20 : To M18
B3 W/4 : To M16
B4 W/3 : Fuse block (J/B)
B5 W/10 : Fuse block (J/B)
B6 BR/6 : Rear window defogger relay (With door mirror defogger)
B7 L/4 : Fuel transport pump relay
B8 - : Body ground
B9 Y/2 : Front RH side air bag module (With side air bag)
B10 W/3 : Seat belt 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 B12B
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)

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



BODY NO. 2 HARNESS/LHD MODELS

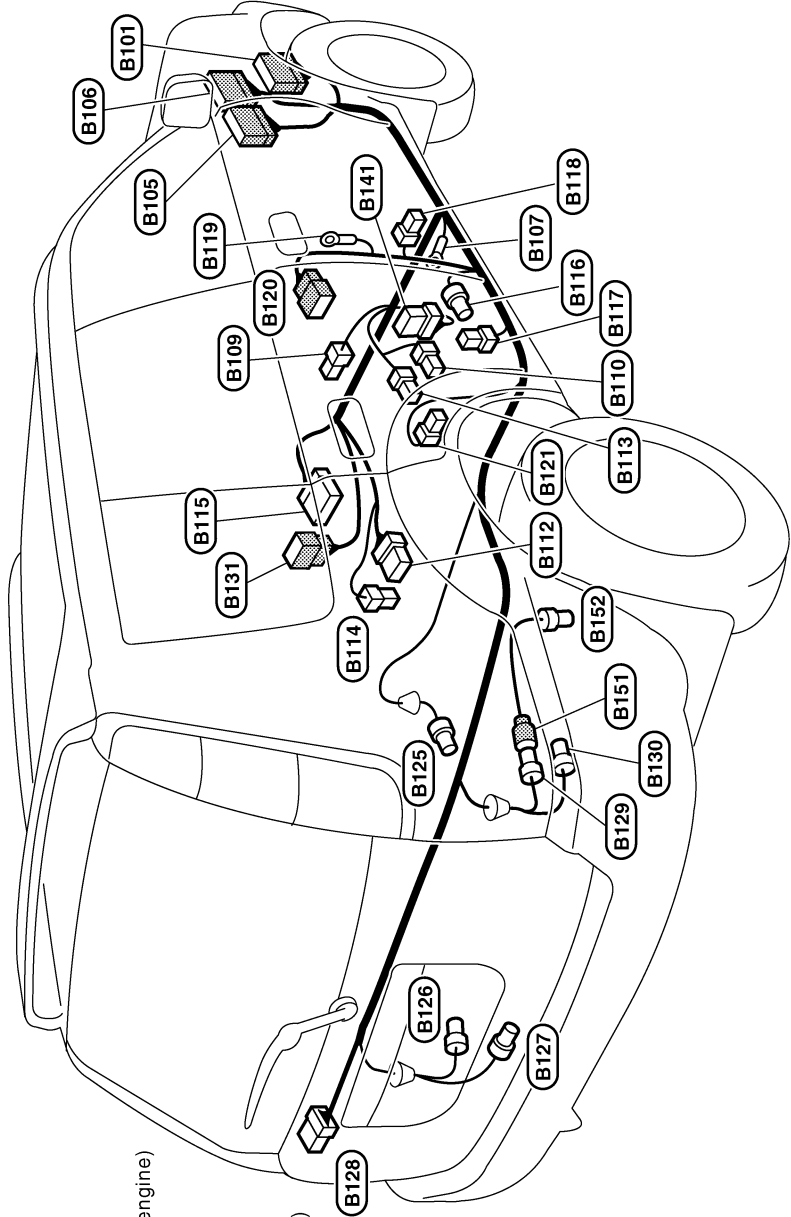


- (B101) W/10 : To (E117)
- (B105) W/12 : To (M78)
- (B106) W/10 : To (M79)
- (B107) - : Body ground
- (B109) Y/2 : Front RH side air bag module (With side air bag)
- (B110) GY/3 : Heated seat RH (With heater seat and without power seat)
- (B112) B/6 : Yaw rate / G sensor
- (B113) W/3 : Seat belt buckle switch (Passenger side) (Without power seat)
- (B114) B/1 : Parking brake switch
- (B115) Y/12 : Air bag diagnosis sensor unit
- (B116) Y/2 : RH side air bag (Satellite) sensor (With side air bag)
- (B117) Y/2 : Front RH seat belt pre-tensioner
- (B118) W/3 : Front door switch (Passenger side)
- (B119) - : Body ground
- (B120) W/8 : To (D21)
- (B121) W/1 : Rear door switch RH
- (B125) GY/4 : Sub fuel level sensor unit
- (B126) L/2 : Rear wheel sensor LH
- (B127) GY/2 : Fuel transport pump (With diesel engine)
- (B128) W/6 : To (B22)
- (B129) B/2 : To (B151)
- (B130) GY/2 : Rear wheel sensor RH
- (B131) W/8 : Heated seat switch
- (B141) W/6 : Front power seat (Passenger side) (With power seat)

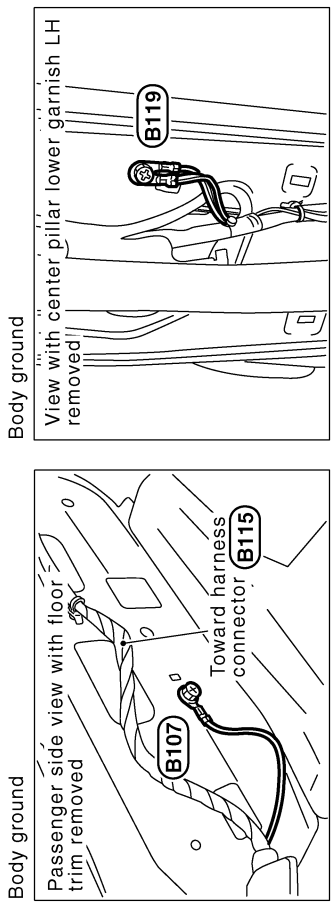
Transmission sub-harness

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

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



BODY NO. 2 HARNESS/RHD MODELS

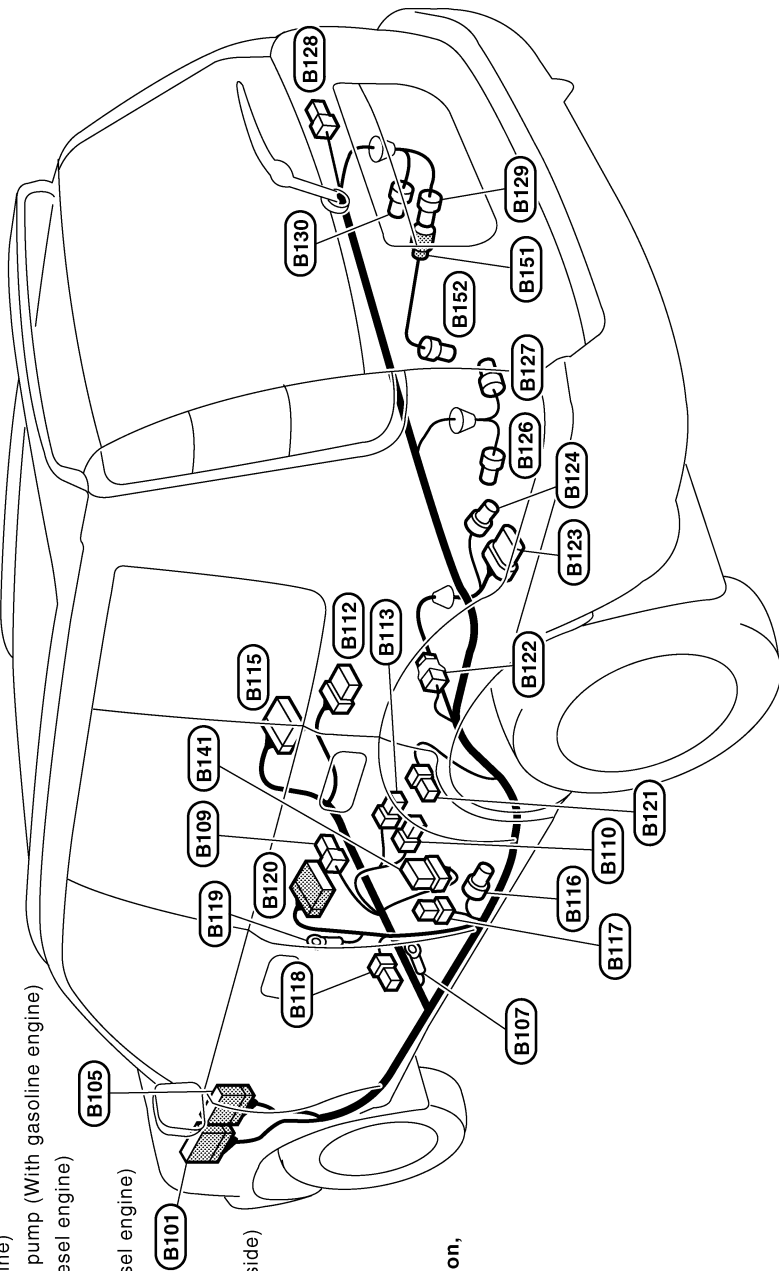


- (B101) W/10 : To (E117)
- (B105) BR/16 : To (M78)
- (B107) - : Body ground
- (B109) Y/2 : Front LH side air bag module (With side air bag)
- (B110) GY/3 : Heated seat LH (With heater seat and without power seat)
- (B112) B/6 : Yaw rate / G sensor
- (B113) W/3 : Seat belt buckle switch (Passenger side) (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
- (B141) W/6 : Front power seat (Passenger side) (With power seat)

Transmission sub-harness

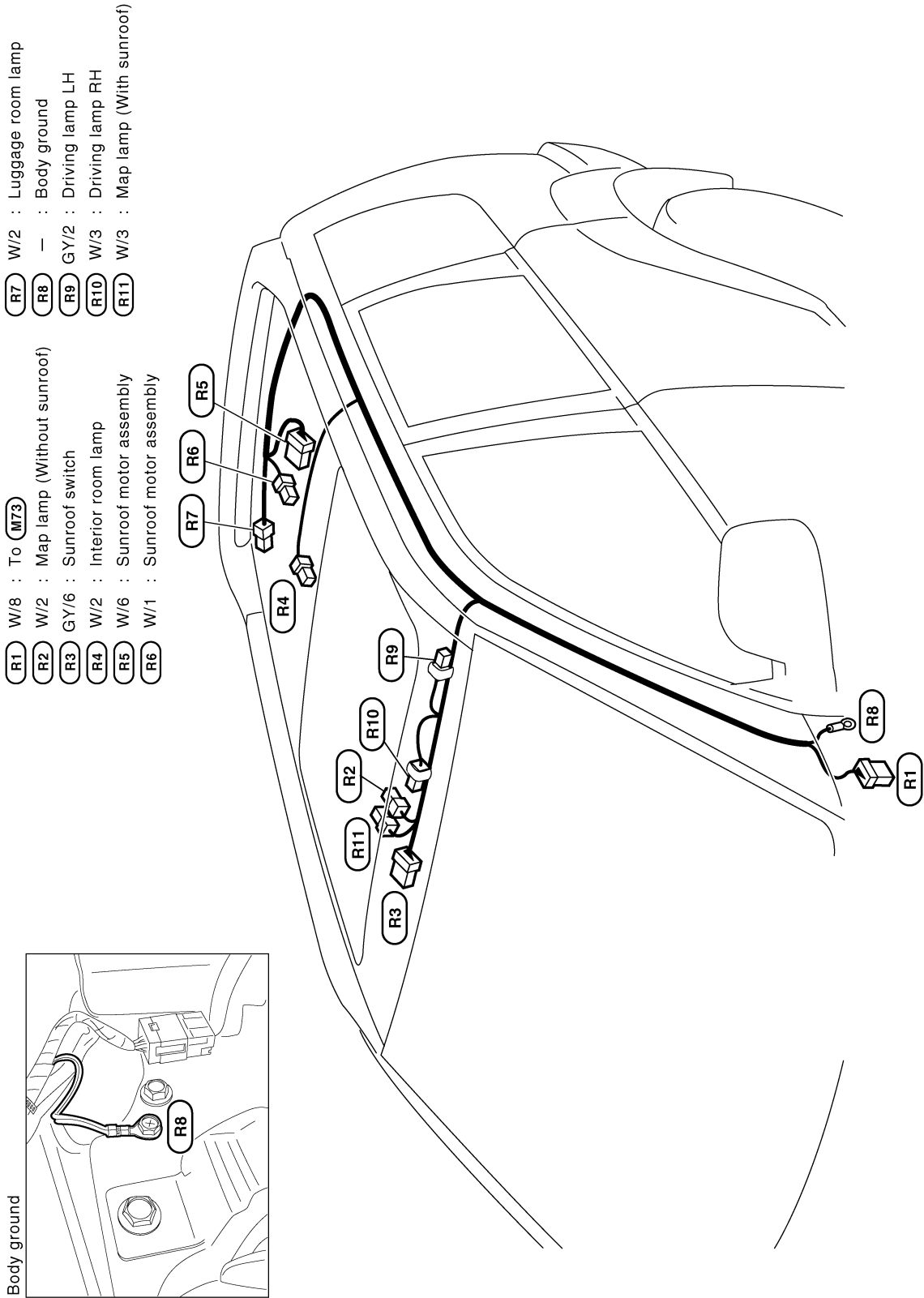
- (B151) B/2 : To (B129)
- (B152) GY/2 : 4WD solenoid

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



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ROOM LAMP HARNESS

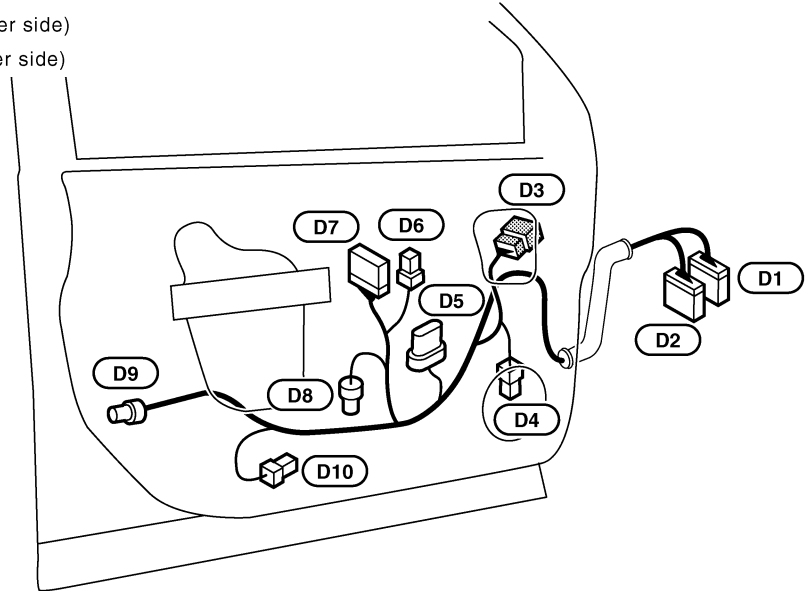


HARNESS

FRONT DOOR HARNESS/LHD MODELS

LH Side

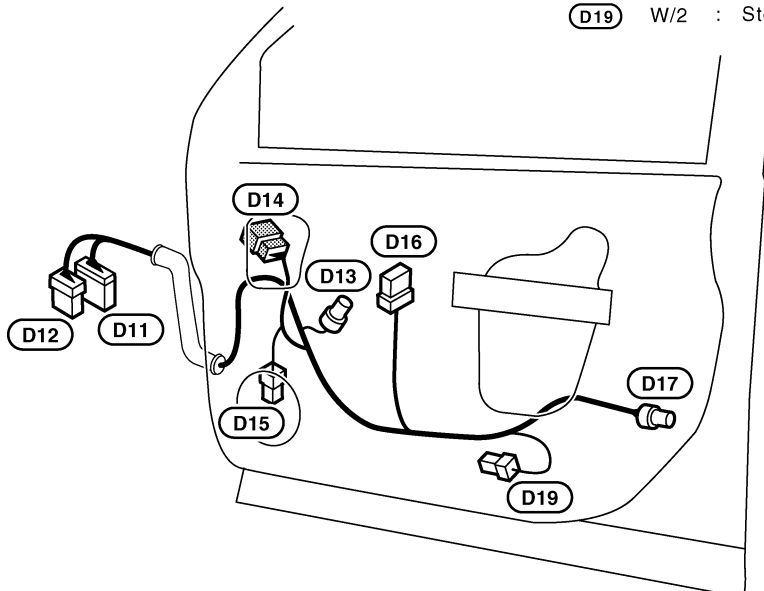
- (D1) W/16 : To (M21)
- (D2) BR/12 : To (M22)
- (D3) W/8 : Door mirror actuator (Driver side)
- (D4) W/2 : Front door speaker LH
- (D5) GY/6 : Front power window motor (Driver side)
- (D6) W/3 : Power window main switch
- (D7) W/16 : Power window main switch
- (D8) BR/3 : Door key cylinder switch (Driver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



TKIA0156E

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)



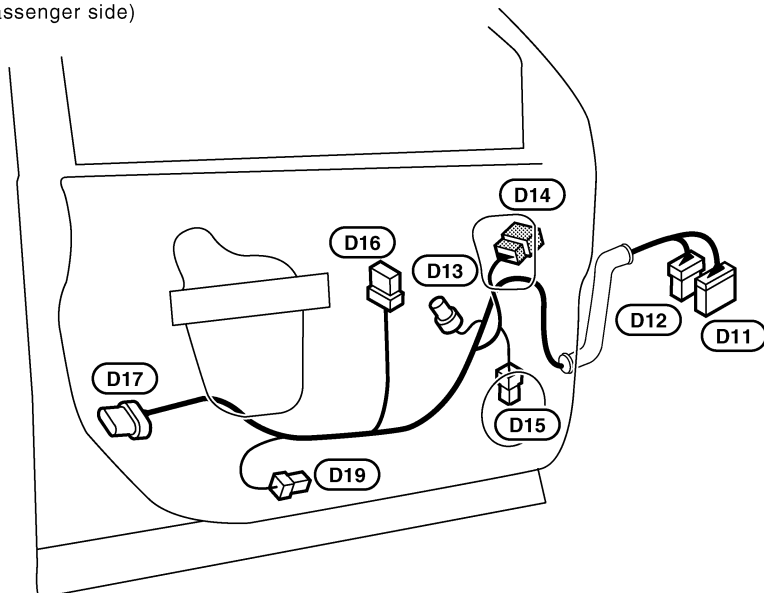
TKIA0157E

HARNESS

FRONT DOOR HARNESS/RHD MODELS

LH Side

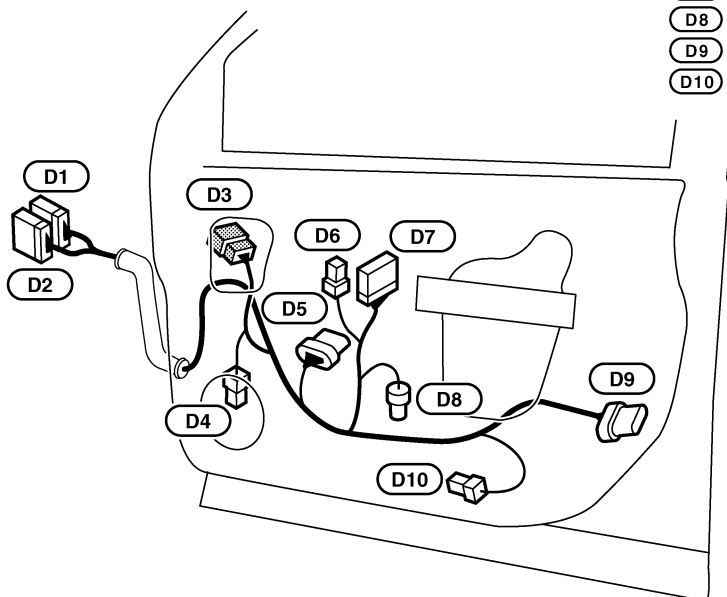
- (D11) W/12 : To (M77)
- (D12) BR/8 : To (M76)
- (D13) BR/2 : Front power window motor (Passenger side)
- (D14) W/8 : Door mirror actuator (Passenger side)
- (D15) W/2 : Front door speaker LH
- (D16) W/8 : Front power window switch (Passenger side)
- (D17) B/6 : Front door lock actuator (Passenger side)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



TKIA0159E

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)



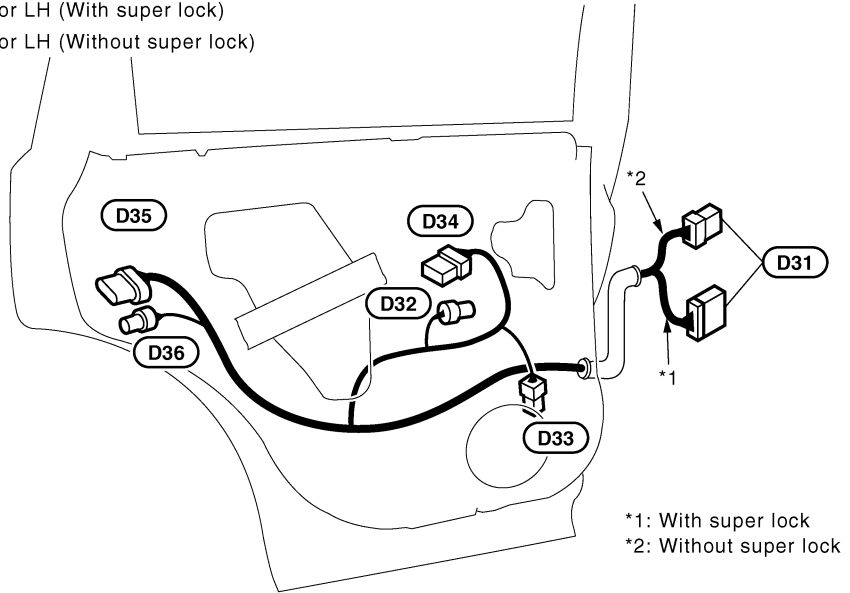
TKIA0158E

HARNESS

REAR DOOR HARNESS

LH Side

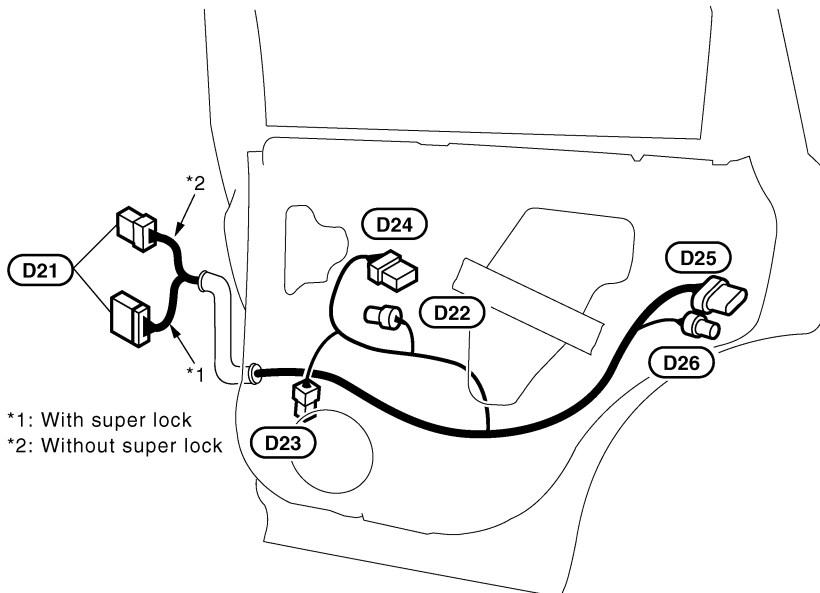
- (D31) W/8 : To (B17) (LHD models) (Without super lock)
- W/10 : To (B120) (RHD models) (With super lock)
- (D32) BR/2 : Rear power window motor LH
- (D33) W/2 : Rear door speaker LH
- (D34) W/8 : Rear power window switch LH
- (D35) B/6 : Rear door lock actuator LH (With super lock)
- (D36) GY/4 : Rear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



TKIA0160E

RH Side

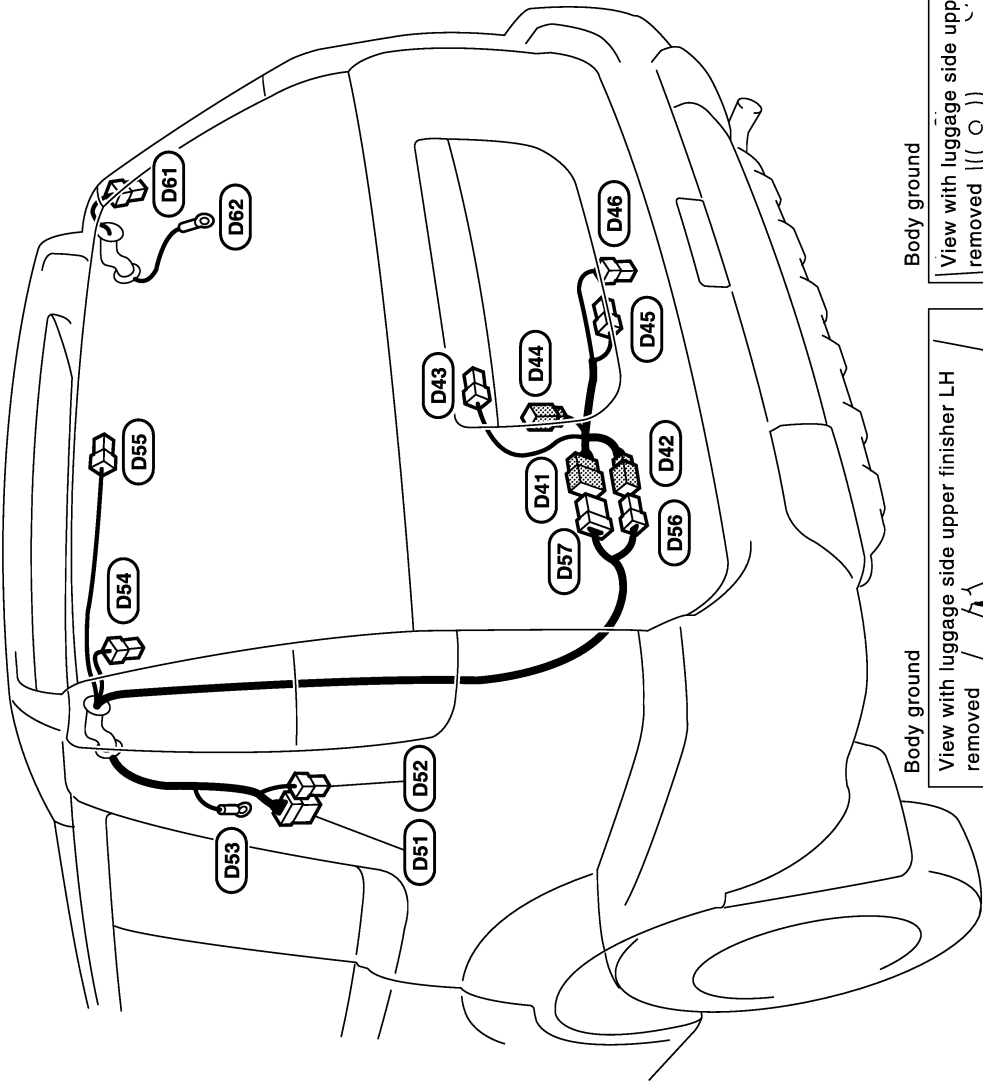
- (D21) W/10 : To (B17) (RHD models) (With super lock)
- W/8 : To (B120) (LHD models) (Without super lock)
- (D22) BR/2 : Rear power window motor RH
- (D23) W/2 : Rear door speaker RH
- (D24) W/8 : Rear power window switch RH
- (D25) B/6 : Rear door lock actuator RH (With super lock)
- (D26) GY/4 : Rear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



TKIA0161E

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BACK DOOR HARNESS



Back Door Harness

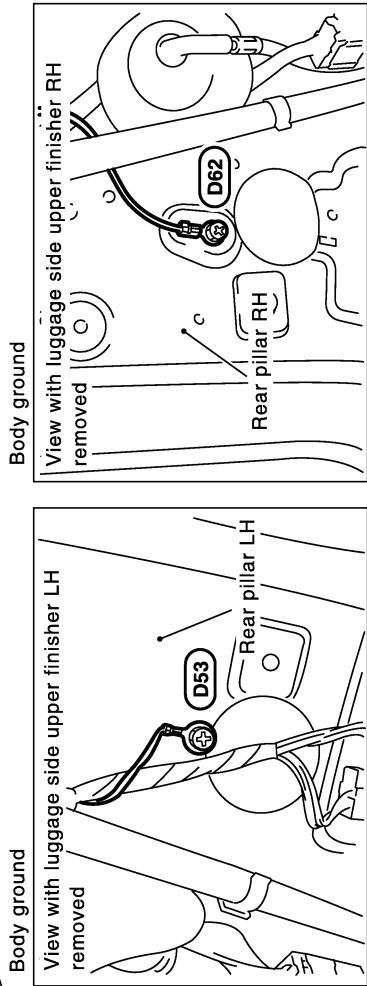
- D41 : To B57
- D42 : To B56
- D43 : Rear wiper motor
- D44 : License lamp
- D45 : Back door switch
- D46 : Back door lock actuator

Back Door Sub-Harness

- D51 : To B26
- D52 : To B27
- D53 : Body ground
- D54 : Rear window defogger (+)
- D55 : High-mounted stop lamp
- D56 : To B42
- D57 : To B41

Rear Window Defogger Harness

- D61 : Rear window defogger (-)
- D62 : Body ground



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

HARNESS

Wiring Diagram Codes (Cell Codes)

EKS0032J

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
ABS	BRC	Anti-Lock Brake System
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
AT/IND	DI	A/T Indicator
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
CLOCK	DI	Clock
CKPS	EC	Crankshaft Position Sensor
CMPS	EC	Camshaft Position Sensor
COOL/F	EC	Cooling Fan Control
D/LOCK	BL	Power Door Lock
DEF	GW	Rear Window Defogger
DTRL	LT	Headlamp - With Daytime Light System
ECM/PW	EC	ECM Power Supply for Back-Up
ECMRLY	EC	ECM Relay
ECTS	EC	Engine Coolant Temperature Sensor
EGVC/V	EC	EGR Volume Control Valve
EGRVLV	EC	EGR Volume Control Valve
ENGSS	AT	Engine Speed Signal
ESP	BRC	ESP/TCS/ABS Control System
ETC1	EC	Electric Throttle Control Function
ETC2	EC	Electric Throttle Control Motor Relay
ETC3	EC	Electric Throttle Control Motor

HARNESS

Code	Section	Wiring Diagram Name
F/FOG	LT	Front Fog Lamp
F/PUMP	EC	Fuel Pump
FIAR	EC	Fuel Injector Adjustment Resistor
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	EC	Fuel Temperature Sensor
FTS	AT	A/T Fluid Temperature Sensor Circuit
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
H/SEAT	SE	Heated Seat
HEATER	MTC	Heater System
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
IATS	EC	Intake Air Temperature Sensor
IATSEN	EC	Intake Air Temperature Sensor
IGNSYS	EC	Ignition System
ILL	LT	Illumination
INJECT	EC	Injector
INJ/PW	EC	Fuel Injector Power Supply Circuit
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
MAIN	EC	Main Power Supply and Ground Circuit
METER	DI	Speedometer, Tachometer, Temp. and Fuel Gauges
MIL/DL	EC	MIL & Data Link Connector
MIRROR	GW	Door Mirror
MULTI	BL	Multi-Remote Control System
NATS	BL	Nissan Anti-Theft System
NAVI	AV	Navigation System
NONDTC	AT	Non-Detective Items
OVRCSV	AT	Overrun Clutch Solenoid Valve

HARNESS

Code	Section	Wiring Diagram Name	
PGC/V	EC	EVAP Canister Purge Volume Control Solenoid Valve	A
PHASE	EC	Camshaft Position Sensor (PHASE)	
PHONE	AV	Telephone (Pre-wire)	B
PNP/SW	AT	Park/Neutral Position Switch	
PNP/SW	EC	Park/Neutral Position Switch	
PNPSW1	EC	Park/Neutral Position Switch	C
POS	EC	Crankshaft Position Sensor (CKPS) (POS)	
POWER	PG	Power Supply Routing	D
PRGVLV	EC	EVAP Canister Purge Volume Control Solenoid Valve	
PRWIRE	BL	Theft Warning System (Pre-wire)	
PS/SEN	EC	Power Steering Pressure Sensor	E
PST/SW	EC	Power Steering Oil Pressure Switch	
R/FOG	LT	Rear Fog Lamp	F
ROOM/L	LT	Interior Room Lamp	
RP/SEN	EC	Refrigerant Pressure Sensor	
RRO2	EC	Rear Heated Oxygen Sensor	G
RRO2/H	EC	Rear Heated Oxygen Sensor Heater	
S/LOCK	BL	Power Door Lock - Super Lock	H
S/SIG	EC	Start Signal	
S/WARN	SB	Seat Belt Warning System	
SEAT	SE	Power Seat	I
SEN/PW	EC	Sensor Power Supply	
SHIFT	AT	A/T Shift Lock System	J
SROOF	RF	Sunroof	
SRS	SRS	Supplemental Restraint System	
SSV/A	AT	Shift Solenoid Valve A	PG
SSV/B	AT	Shift Solenoid Valve B	
START	SC	Starting System	
STEP/L	LT	Step Lamp	L
STOP/L	LT	Stop Lamp	
TAIL/L	LT	Parking, License and Tail Lamps	M
TCC/V	EC	Turbocharger Boost Control Solenoid Valve	
TCCSV	EC	Turbocharger Boost Control Solenoid Valve	
TCV	AT	Torque Converter Clutch Solenoid Valve	
TPS	AT	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	

HARNESS

Code	Section	Wiring Diagram Name
WIP/R	WW	Rear Wiper and Washer
WIPER	WW	Front Wiper and Washer

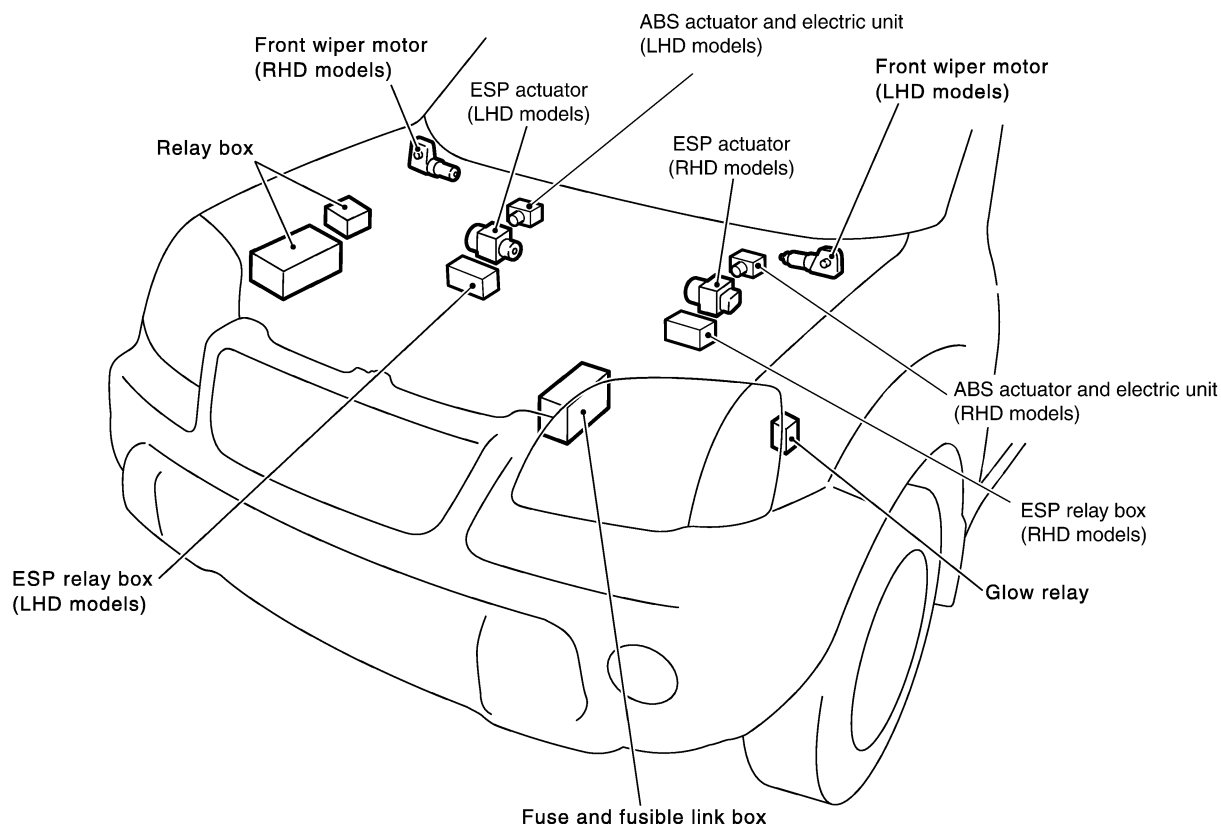
ELECTRICAL UNITS LOCATION

ELECTRICAL UNITS LOCATION

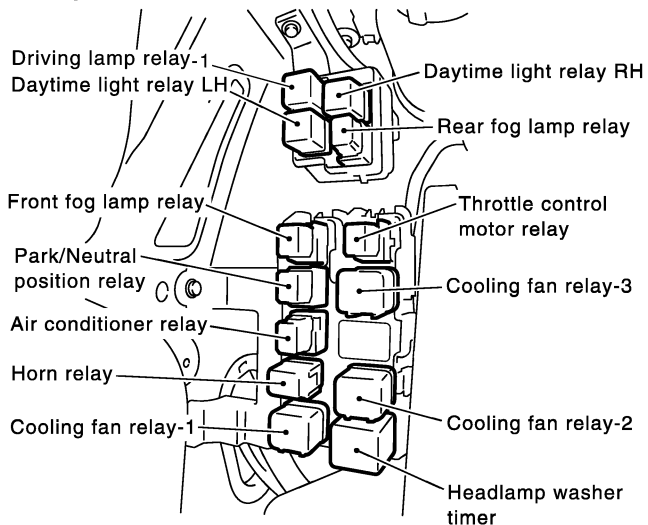
PFP:25230

Electrical Units Location ENGINE COMPARTMENT

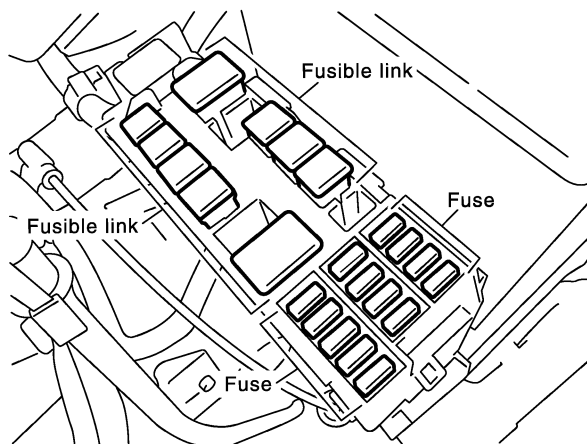
EKS0032K



Relay box

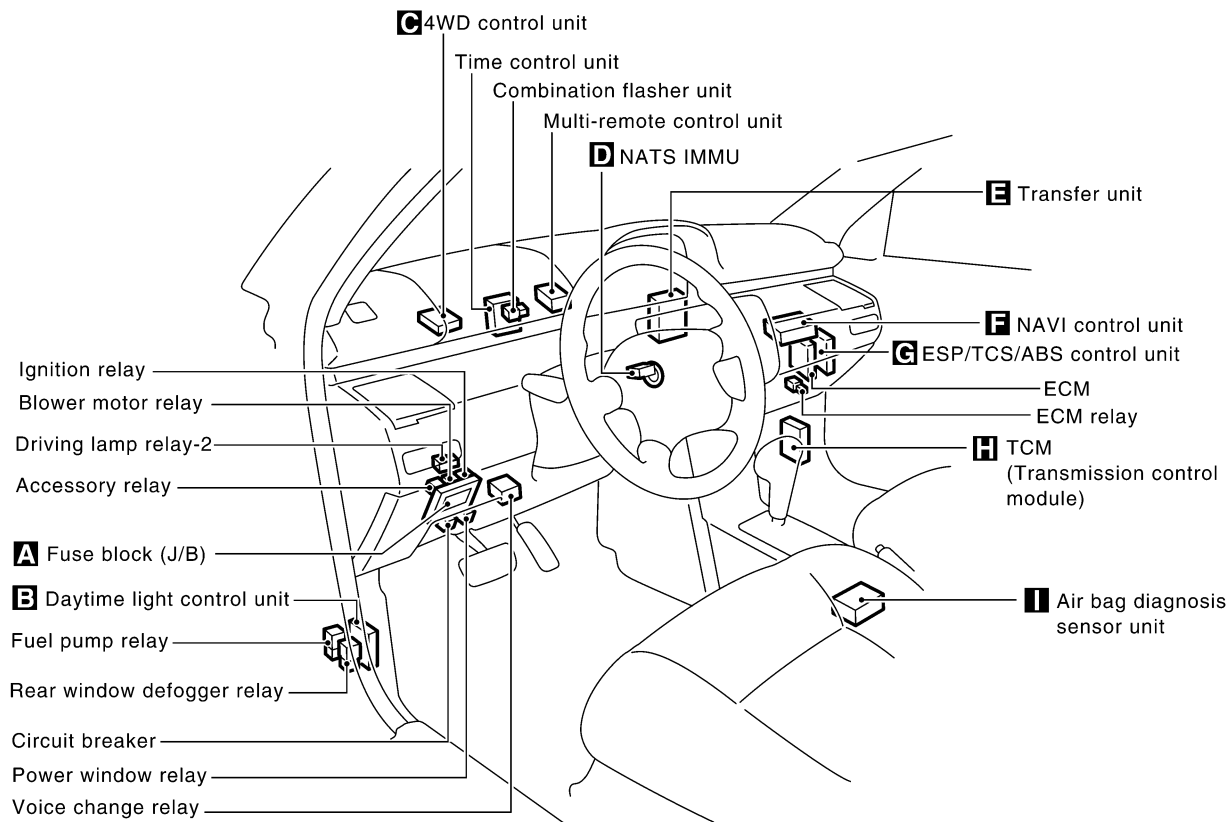


Fuse and fusible link box

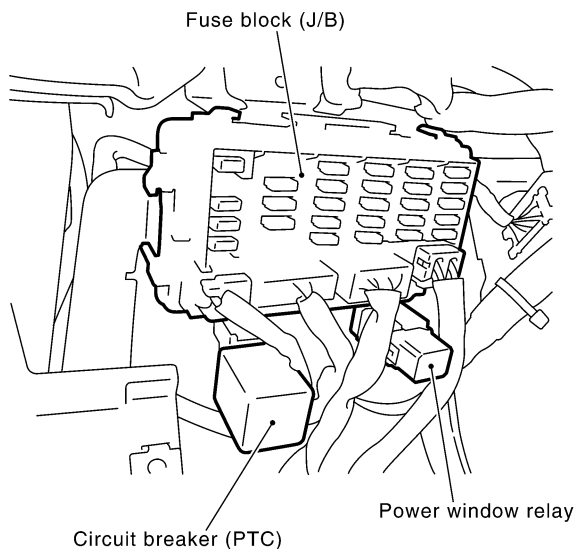


ELECTRICAL UNITS LOCATION

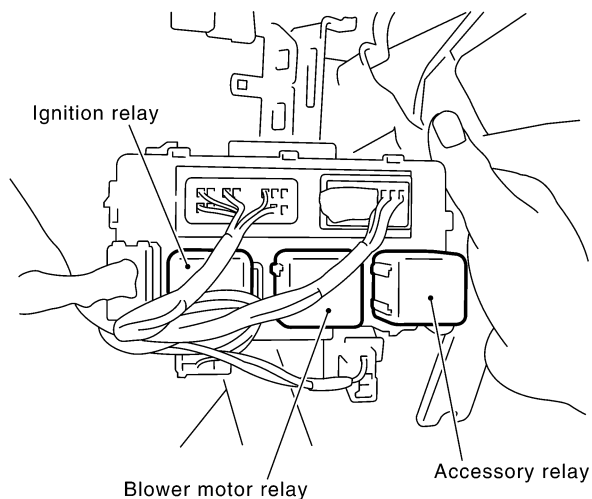
PASSENGER COMPARTMENT/LHD MODELS



A Instrument panel LH



Back of the fuse block (J/B)



ELECTRICAL UNITS LOCATION

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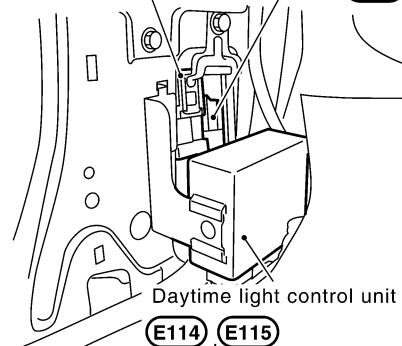
B Driver side view with dash side lower finisher removed

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

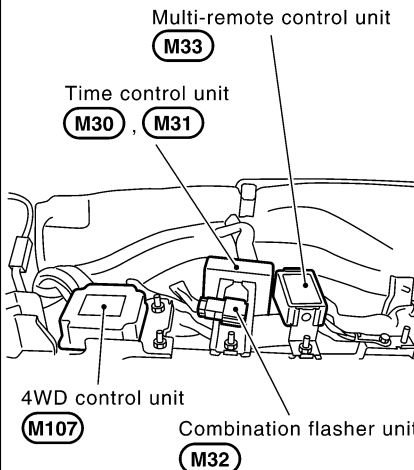
M30, **M31**

4WD control unit

M107

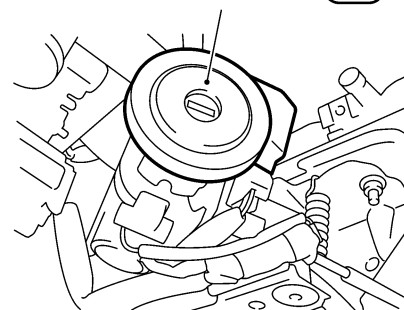
Combination flasher unit

M32



D

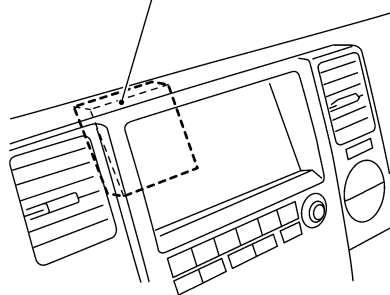
NATS IMMU **E109**



E View with instrument panel center

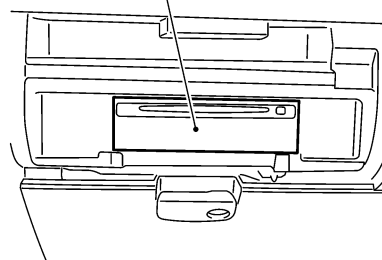
Transfer unit

M111



F Upper glove box

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



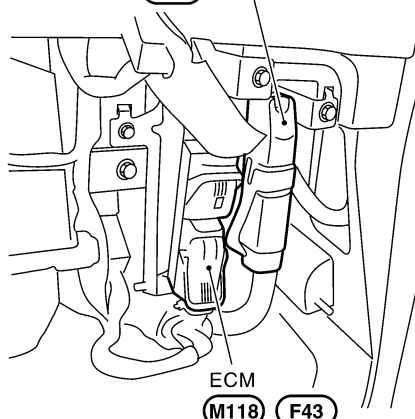
G Behind lower instrument panel on passenger side

ESP/TCS/ABS control unit

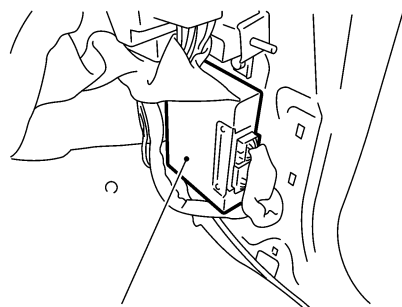
E122

ECM

M118, **F43**



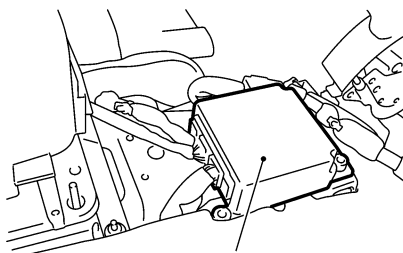
H Passenger side view with dash side lower finisher removed



TCM (Transmission control module)

F46, **F47**

I Behind the console box assembly

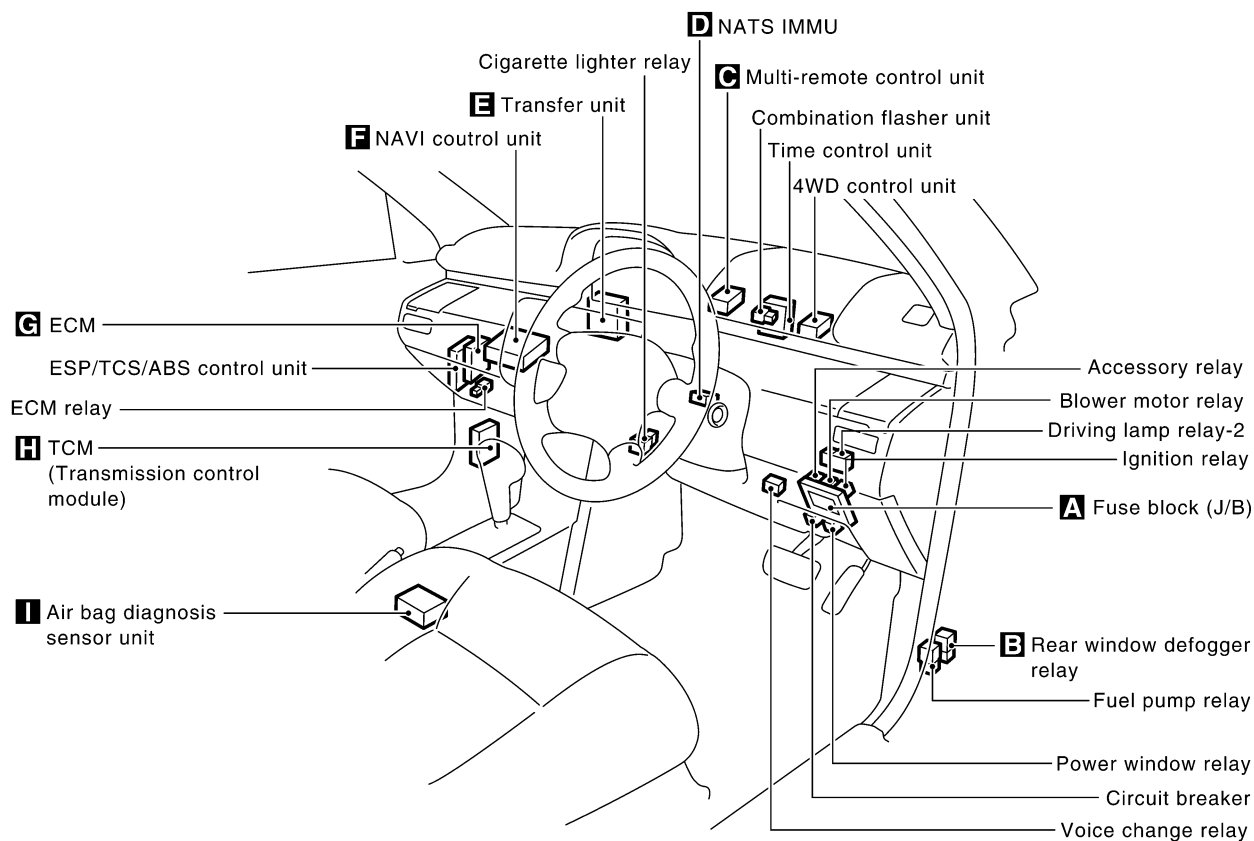


Air bag diagnosis sensor unit

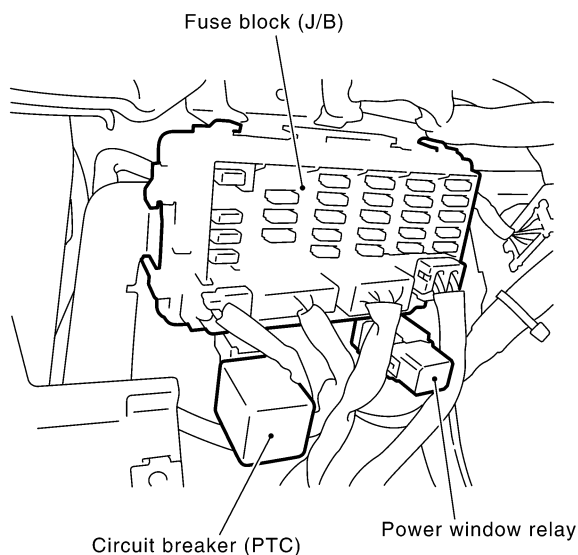
M59, **B14**, **B115**

ELECTRICAL UNITS LOCATION

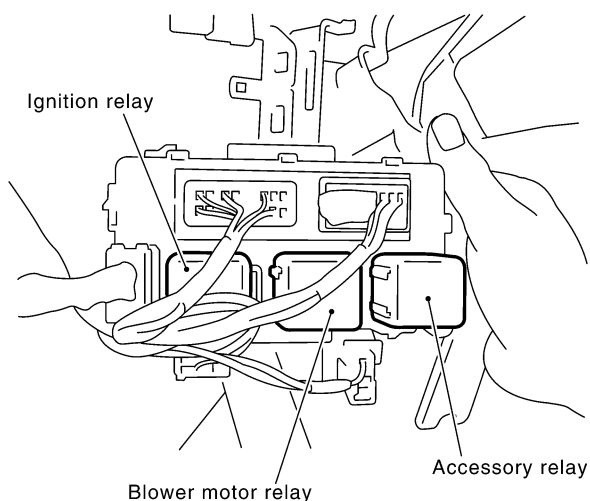
PASSENGER COMPARTMENT/RHD MODELS



A Instrument panel RH

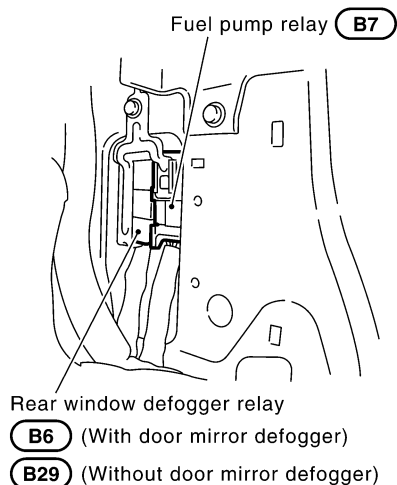


Back of the fuse block (J/B)

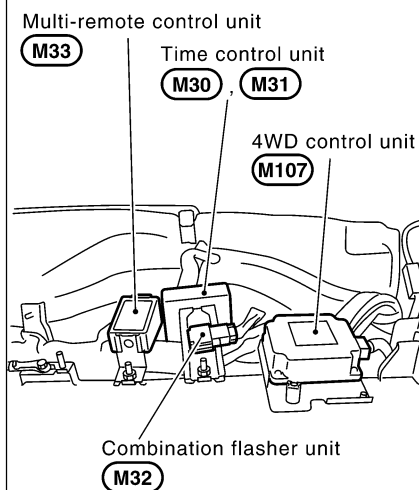


ELECTRICAL UNITS LOCATION

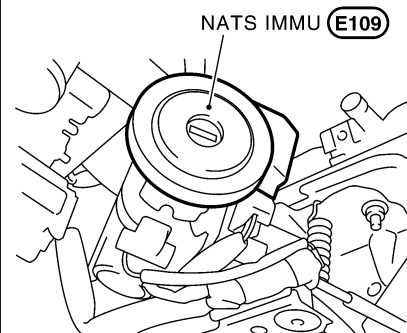
B Driver side view with dash side lower finisher removed



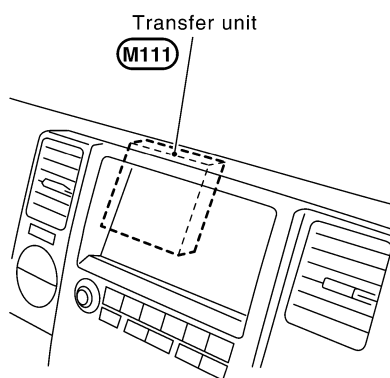
C Driver side view with upper instrument panel removed



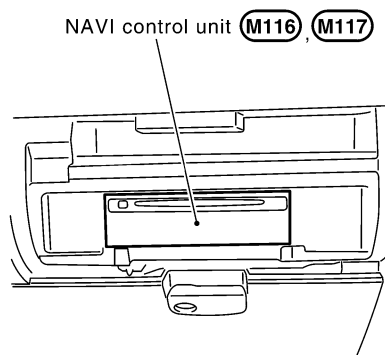
D



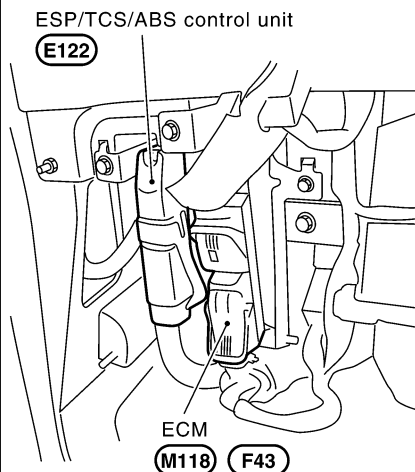
E View with instrument panel center



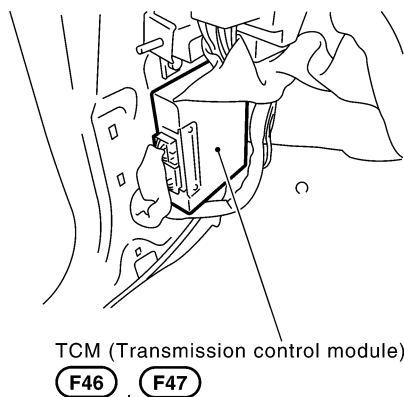
F Upper glove box



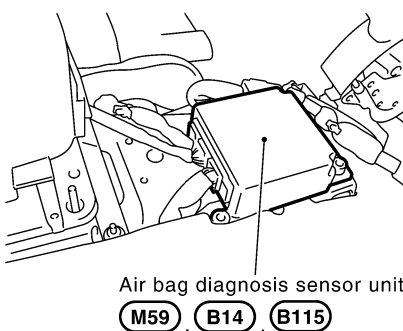
G Behind lower instrument panel on passenger side



H Passenger side view with dash side lower finisher removed



I Behind the console box assembly



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HARNESS CONNECTOR

PFP:00011

Description

HARNESS CONNECTOR (TAB-LOCKING TYPE)

EKS0032B

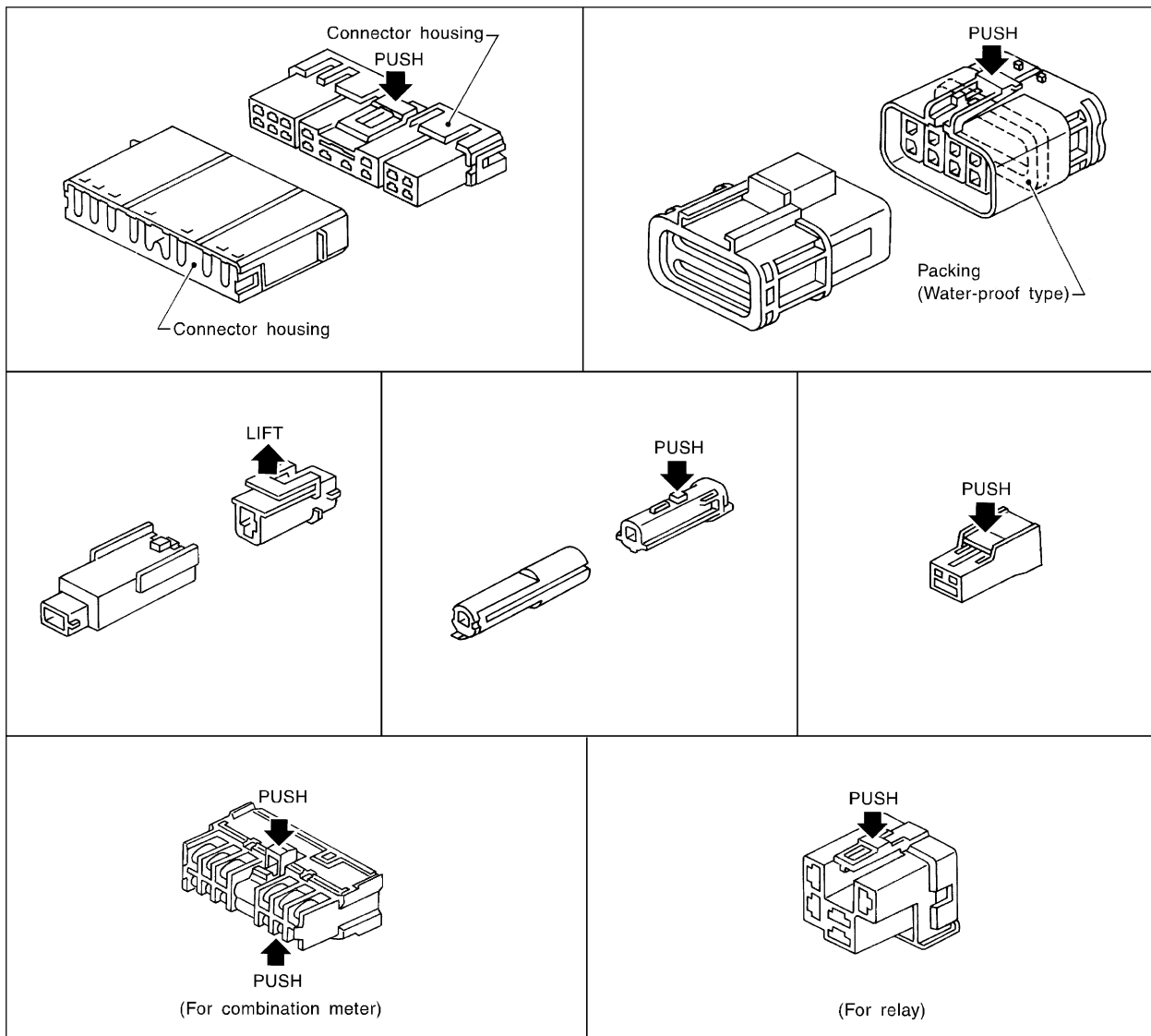
- The tab-locking type connectors help prevent accidental looseness or disconnection.
- The tab-locking type connectors are disconnected by pushing or lifting the locking tab(s). Refer to the figure below.

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

CAUTION:

Do not pull the harness or wires when disconnecting the connector.

[Example]



SEL769DA

HARNESS CONNECTOR

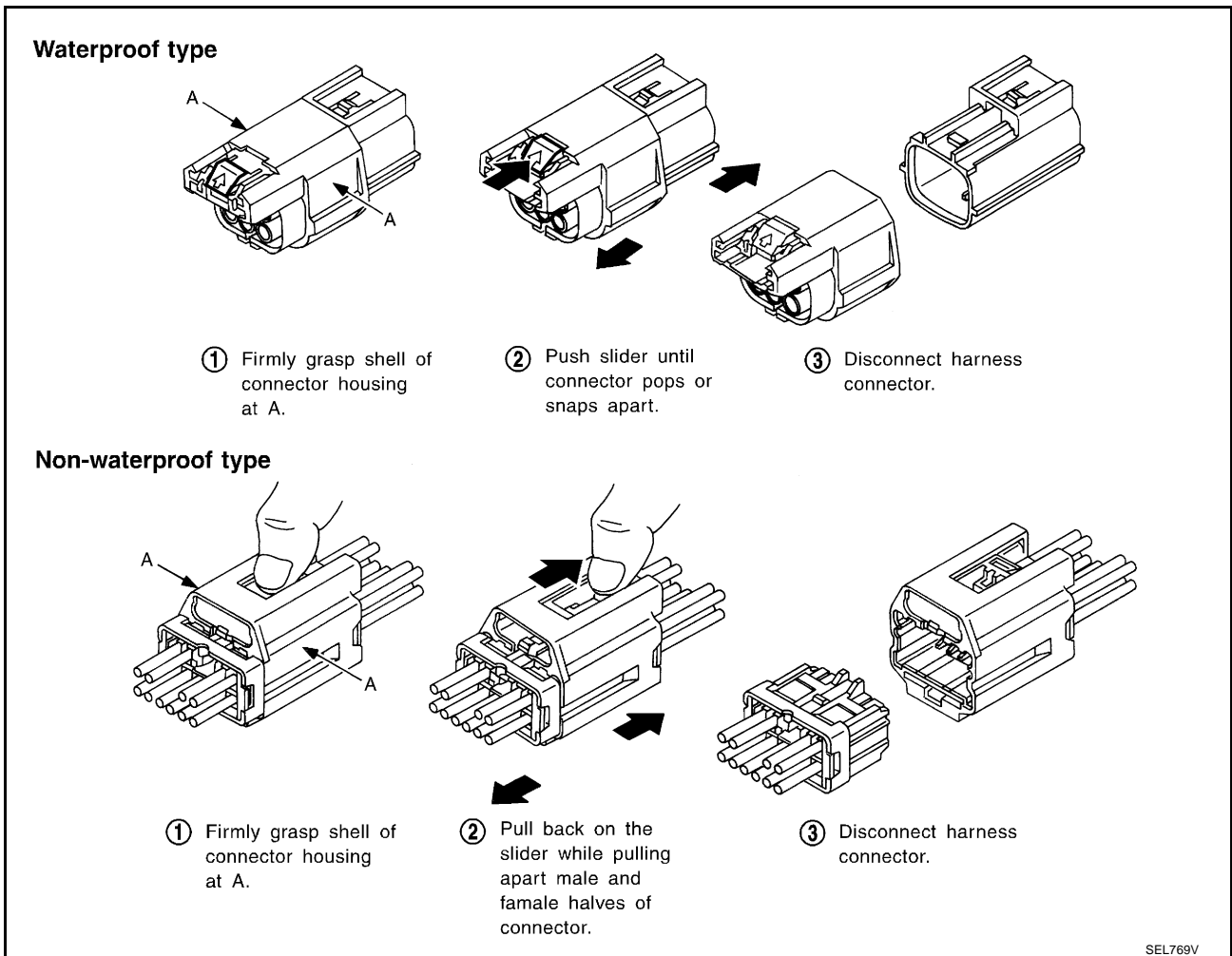
HARNESS CONNECTOR (SLIDE-LOCKING TYPE)

- 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:

- Do not 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

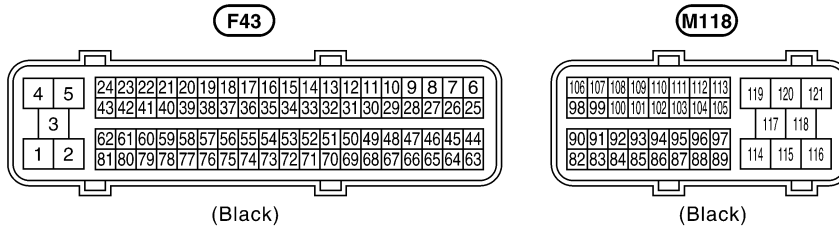
ELECTRICAL UNITS

Terminal Arrangement

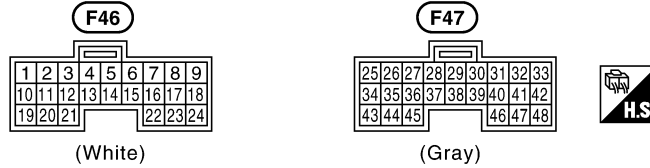
PFP:00011

EKS0032D

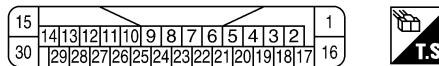
ECM



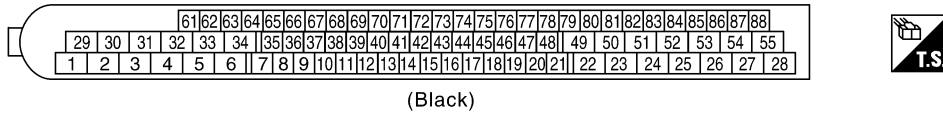
TCM (TRANSMISSION CONTROL MODULE)



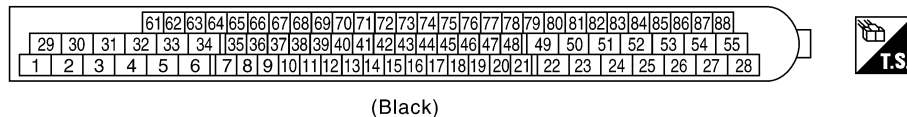
ABS ACTUATOR AND ELECTRIC UNIT **E69**



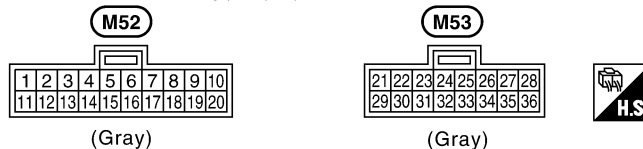
ESP/TCS/ABS CONTROL UNIT **E122** (LHD models)



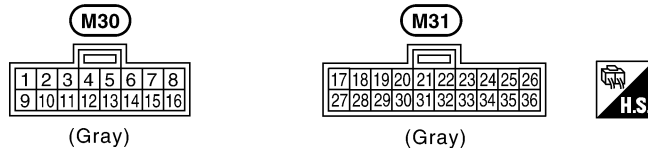
ESP/TCS/ABS CONTROL UNIT **E122** (RHD models)



A/C AUTO AMP.



TIME CONTROL UNIT



STANDARDIZED RELAY

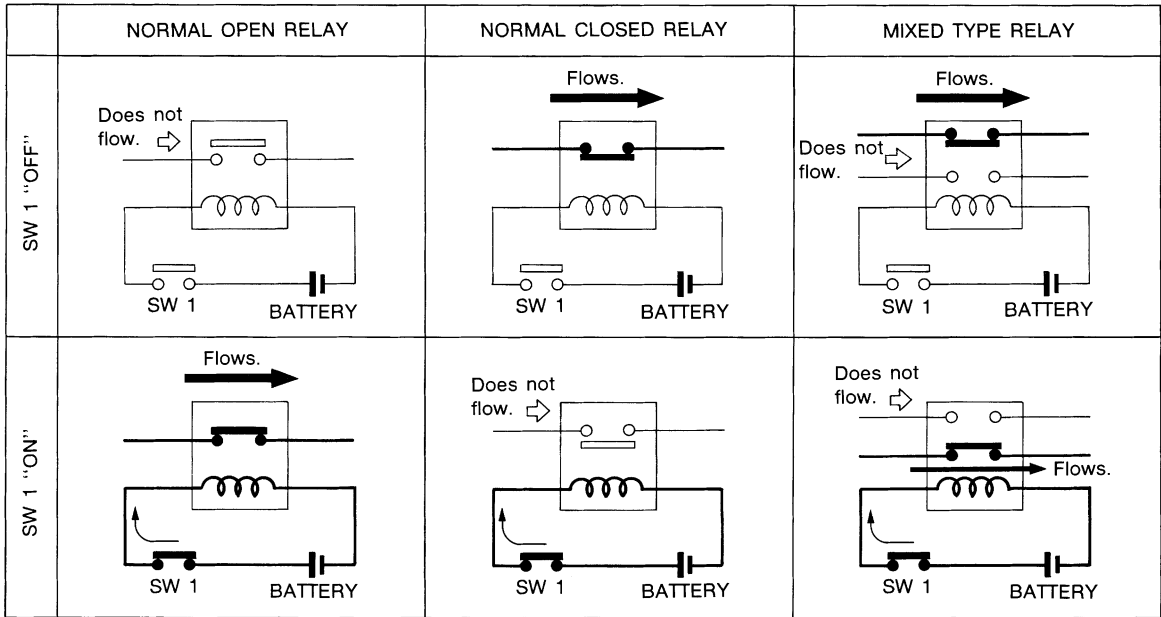
PFP:00011

Description

EKS0032E

NORMAL OPEN, NORMAL CLOSED AND MIXED TYPE RELAYS

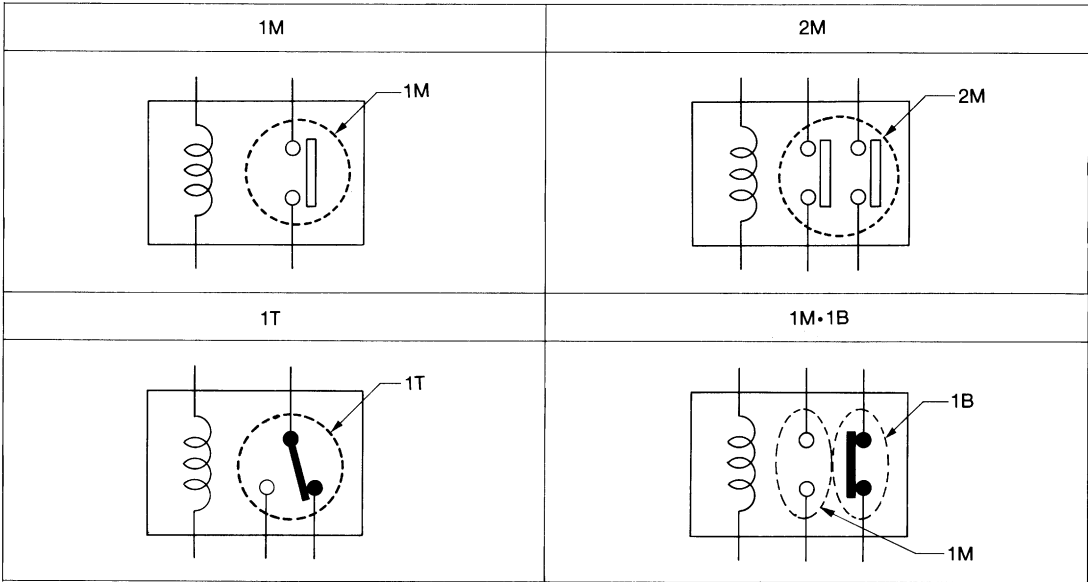
Relays can mainly be divided into three types: normal open, normal closed and mixed type relays.



SEL881H

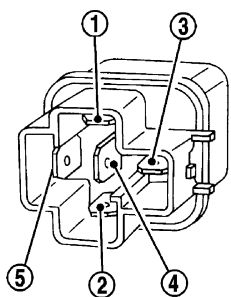
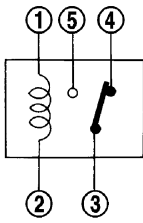
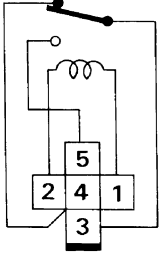
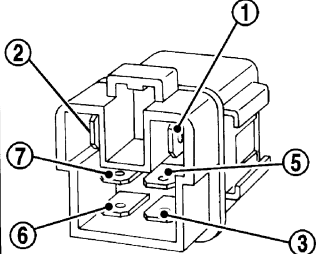
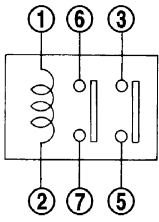
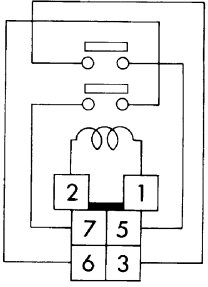
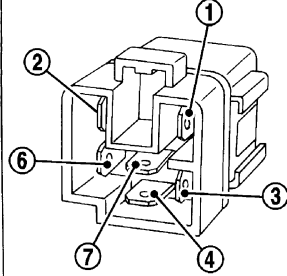
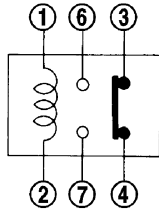
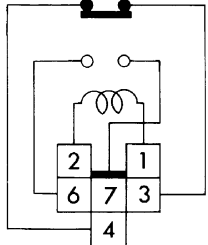
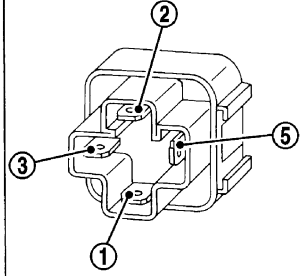
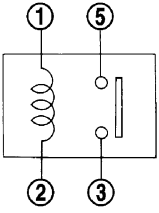
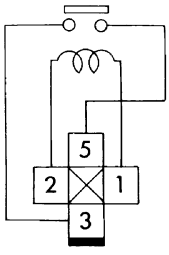
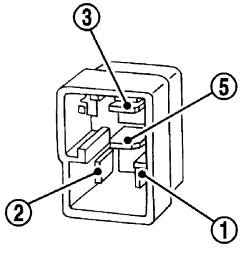
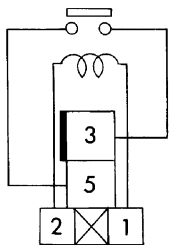
TYPE OF STANDARDIZED RELAYS

- 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

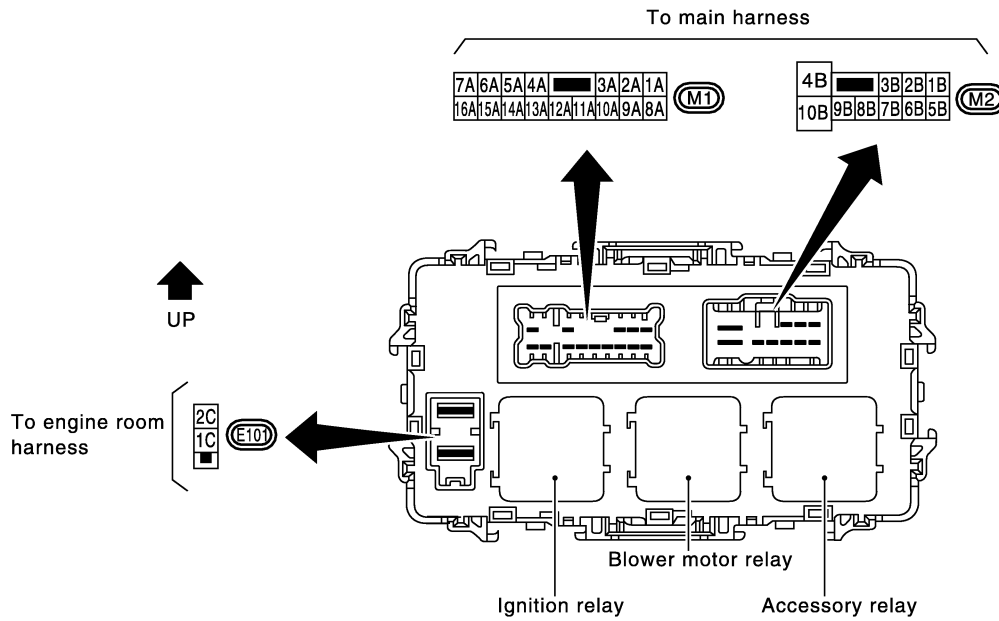
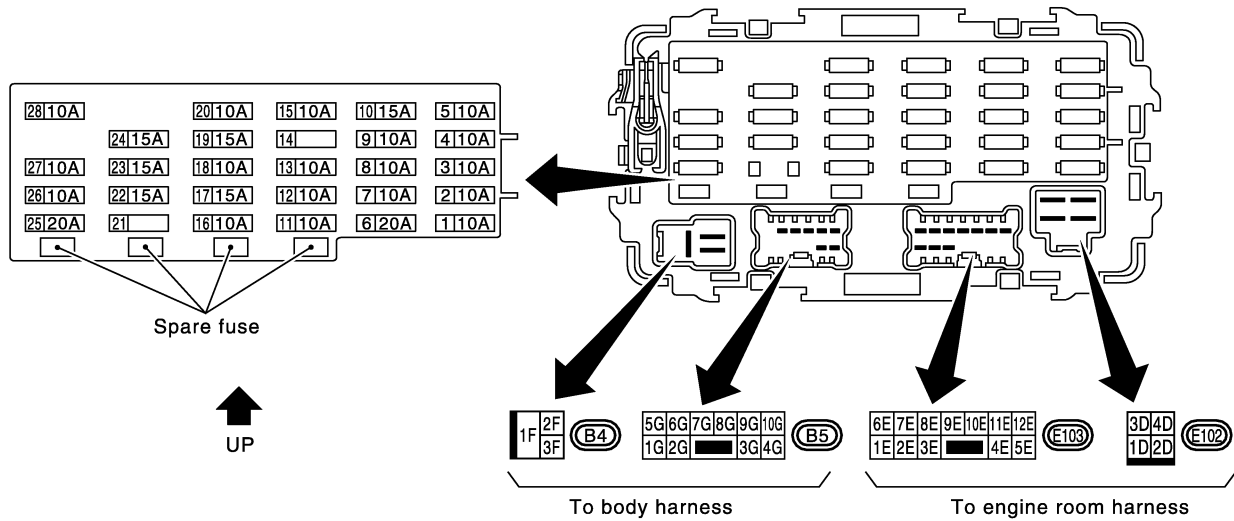
FUSE BLOCK - JUNCTION BOX (J/B)

FUSE BLOCK - JUNCTION BOX (J/B)

PFP:24350

Terminal Arrangement

EKS0032F

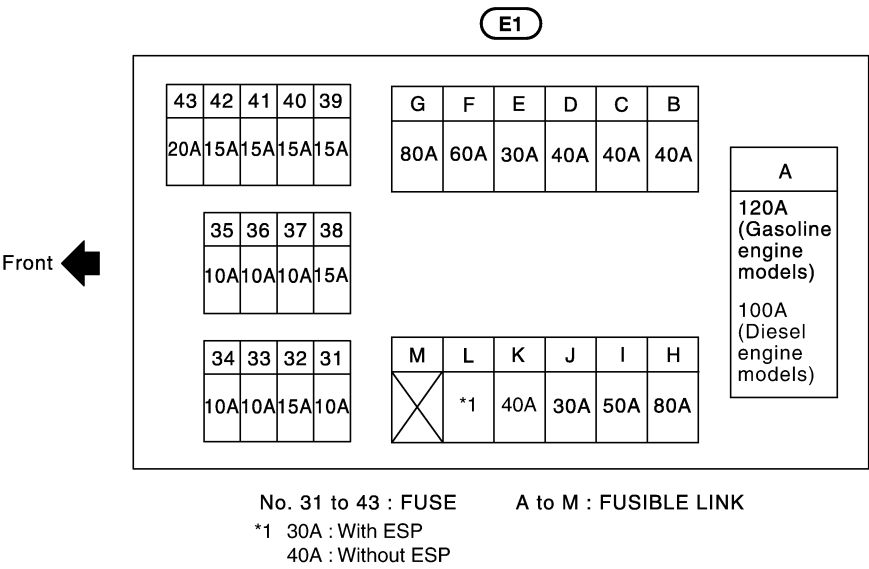


FUSE AND FUSIBLE LINK BOX

FUSE AND FUSIBLE LINK BOX Terminal Arrangement

PFP:24381

EKS0032G



CKIA0384E