

## POWER SUPPLY, GROUND &amp; CIRCUIT ELEMENTS

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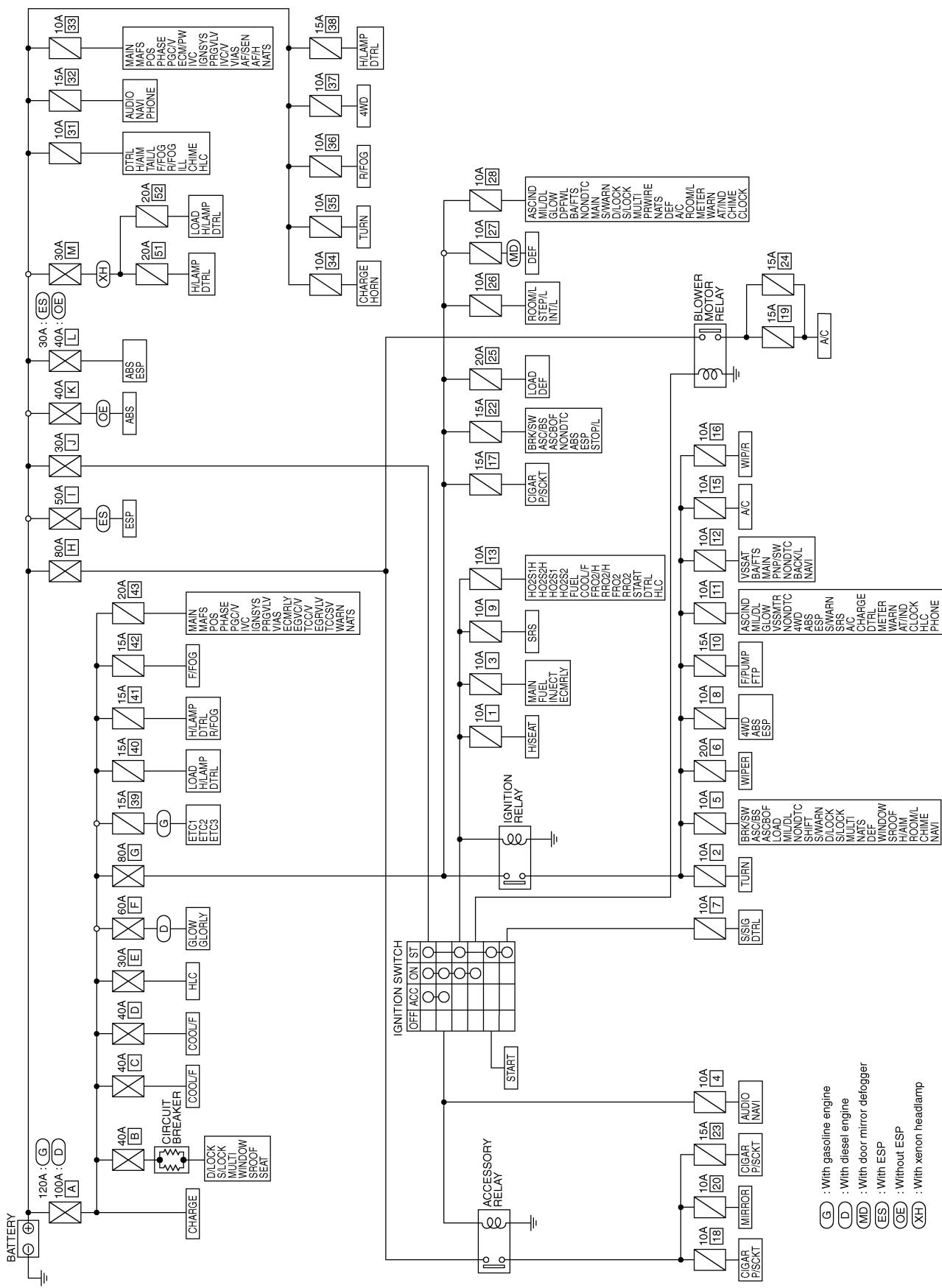
## POWER SUPPLY ROUTING

## POWER SUPPLY ROUTING

PFP:00011

## Schematic

*BKS000RX*



- G** : With gasoline engine
- D** : With diesel engine
- M/D** : With door mirror defogger
- ES** : With ESP
- O/E** : Without ESP
- X/H** : With xenon headlamp

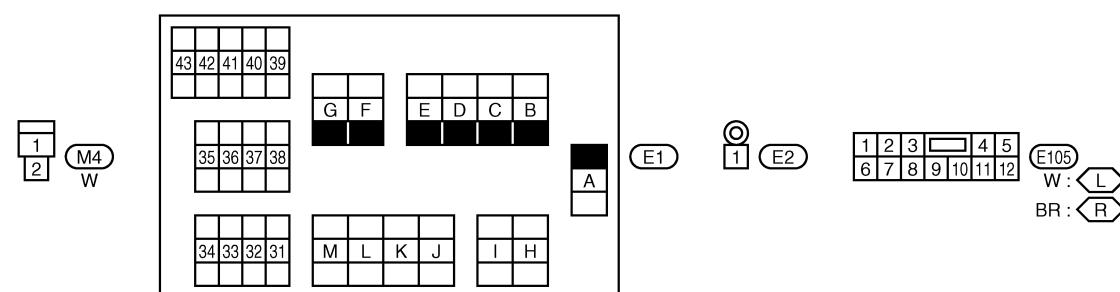
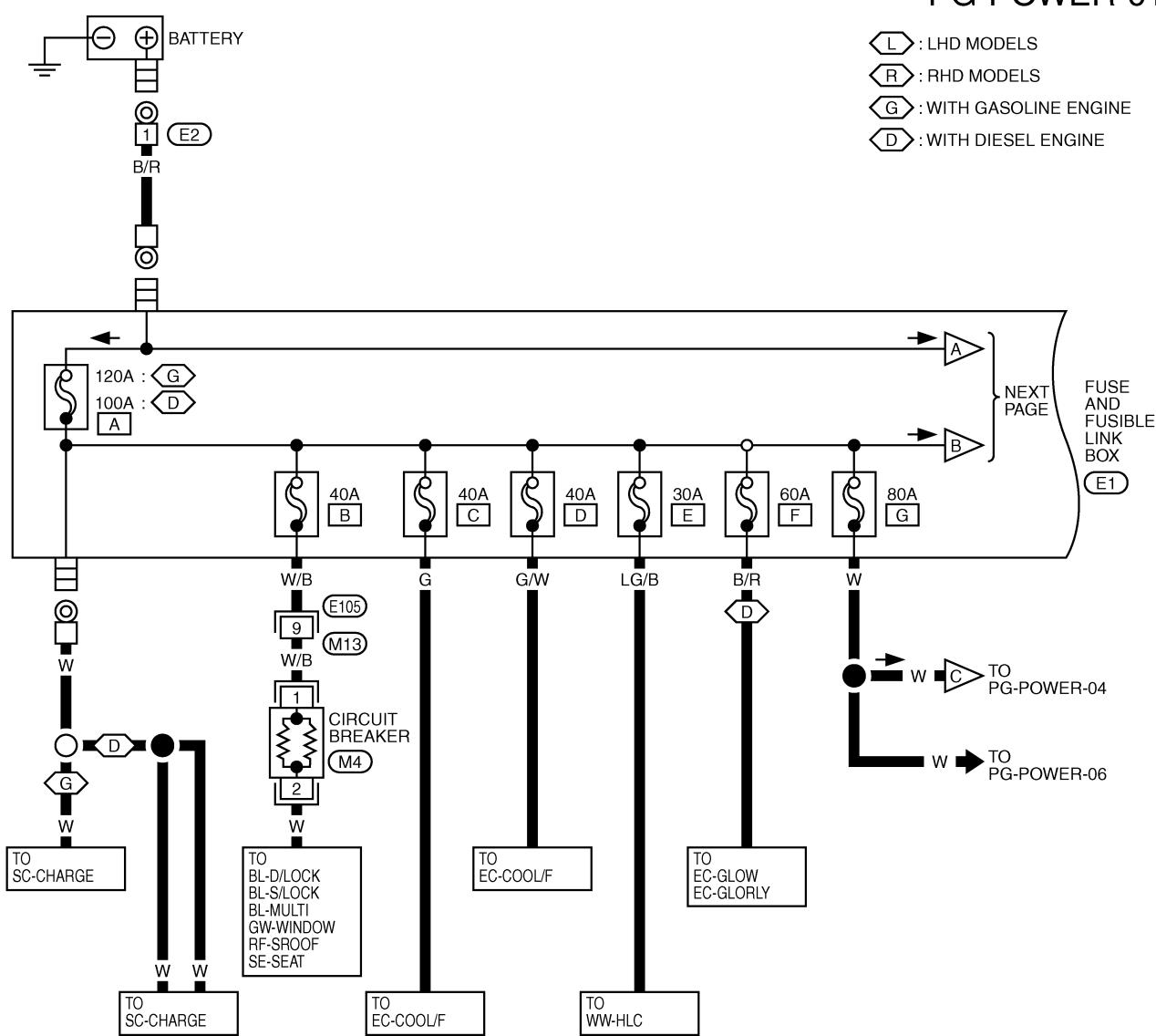
TKWB2803E

# POWER SUPPLY ROUTING

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

BKS000RY

PG-POWER-01

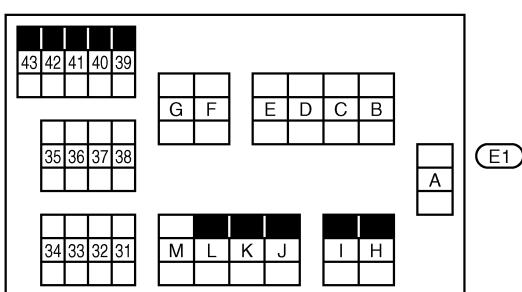
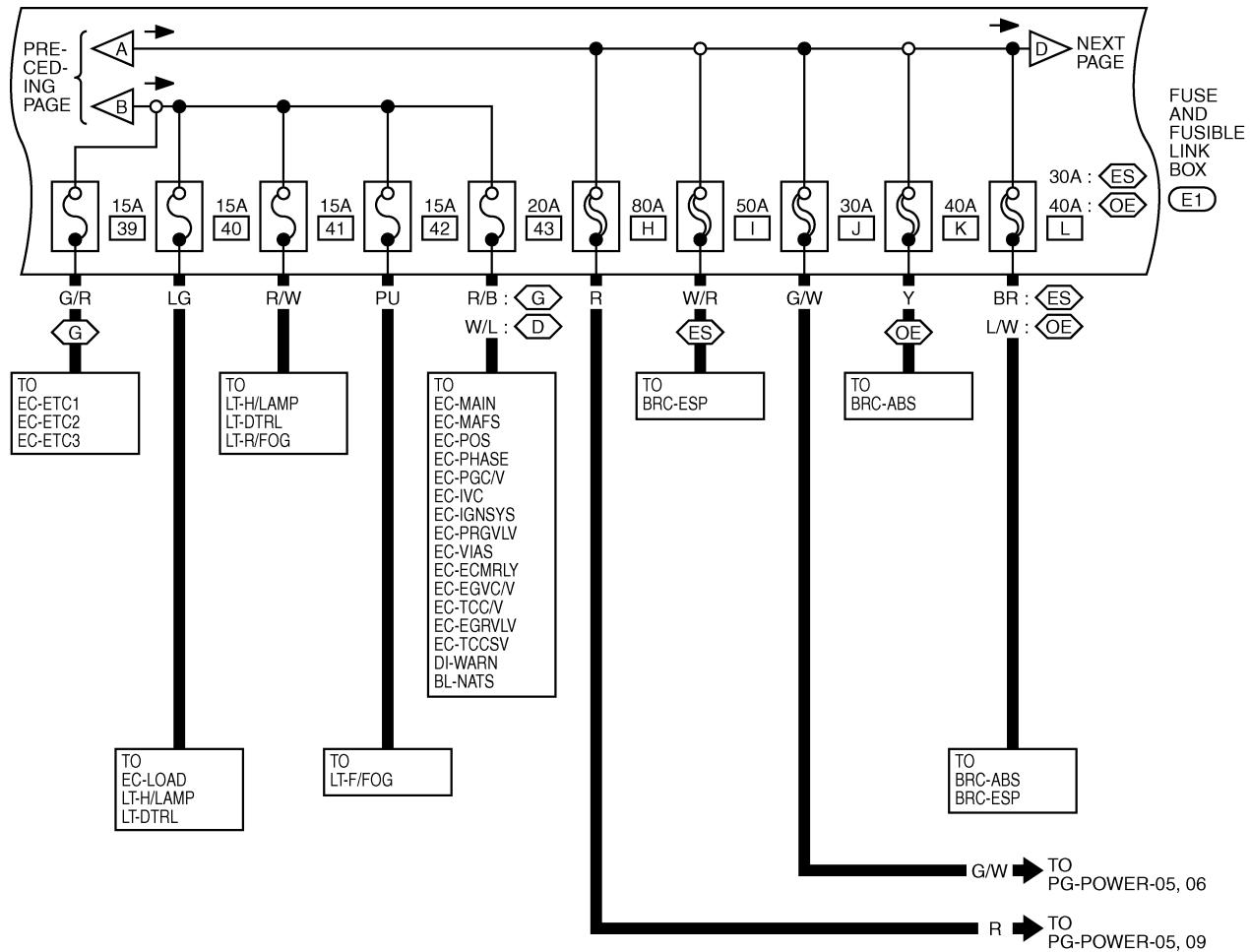


TKWA1634E

# POWER SUPPLY ROUTING

PG-POWER-02

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

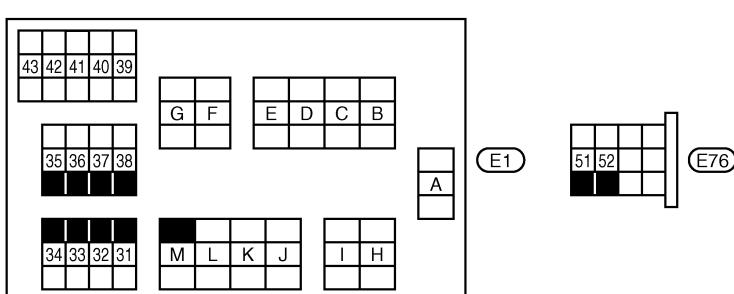
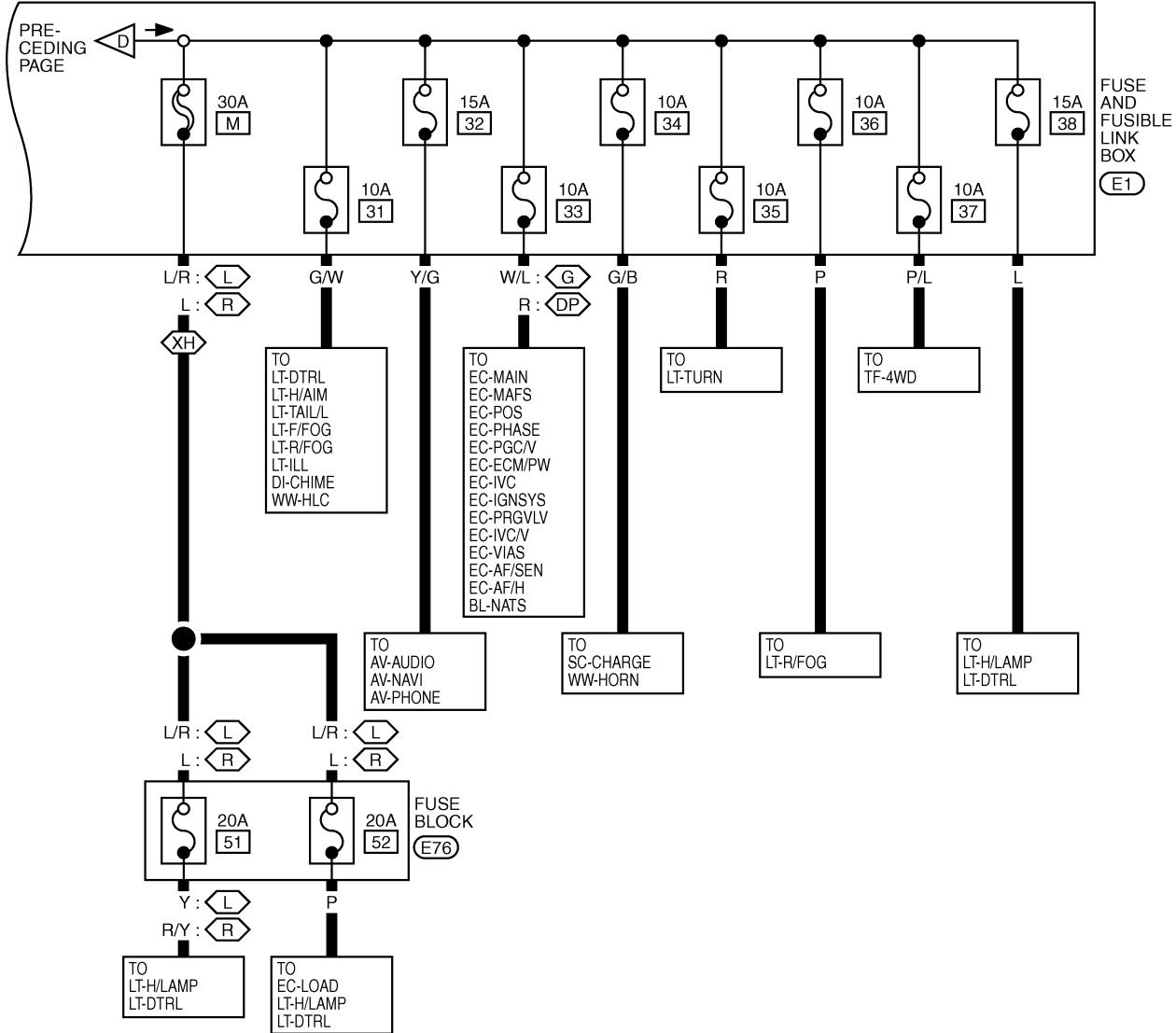


TKWB2804E

# POWER SUPPLY ROUTING

PG-POWER-03

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

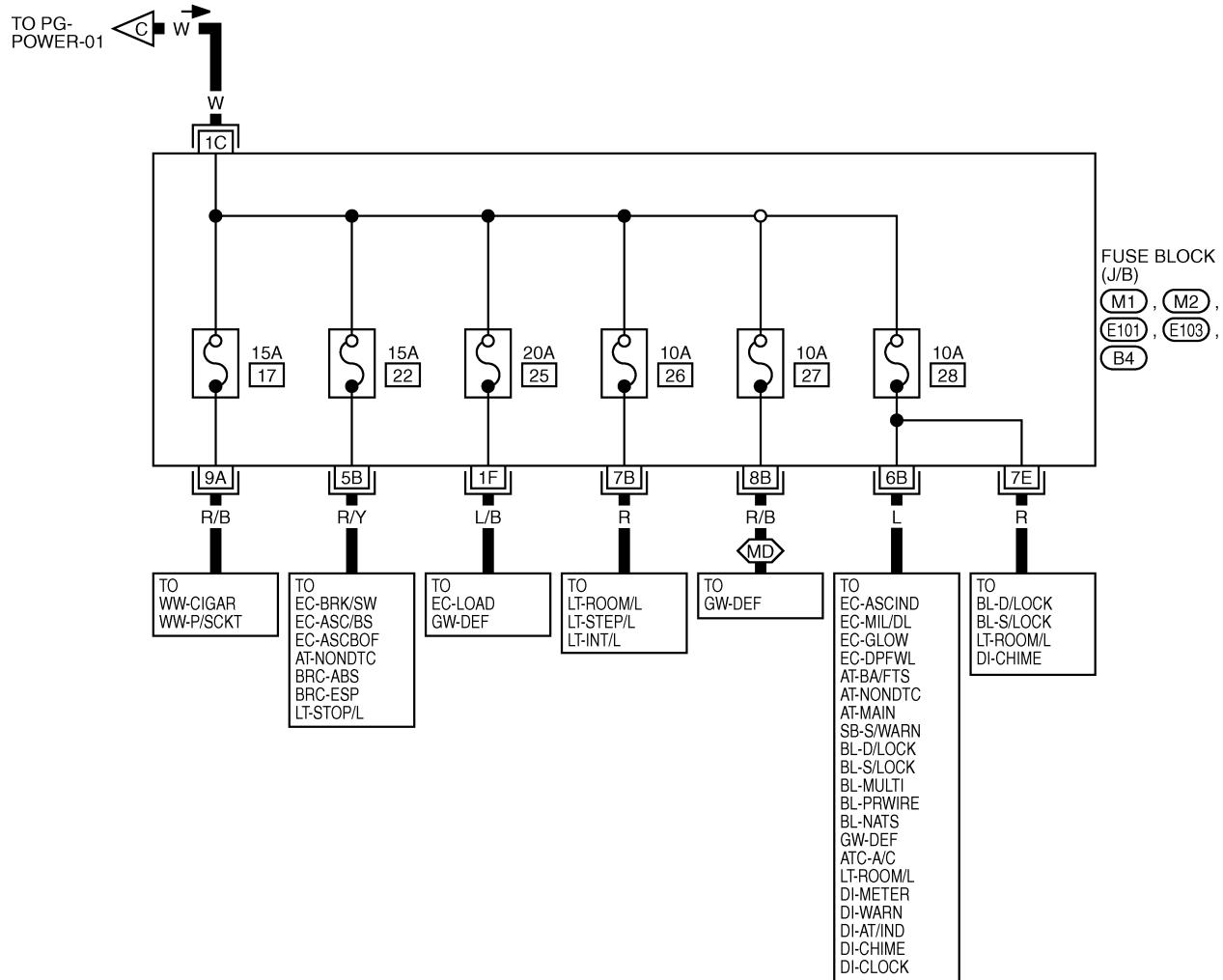


TKWB3053E

# 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
26	22	17	12	7
25	21	16	11	6
		16	11	1

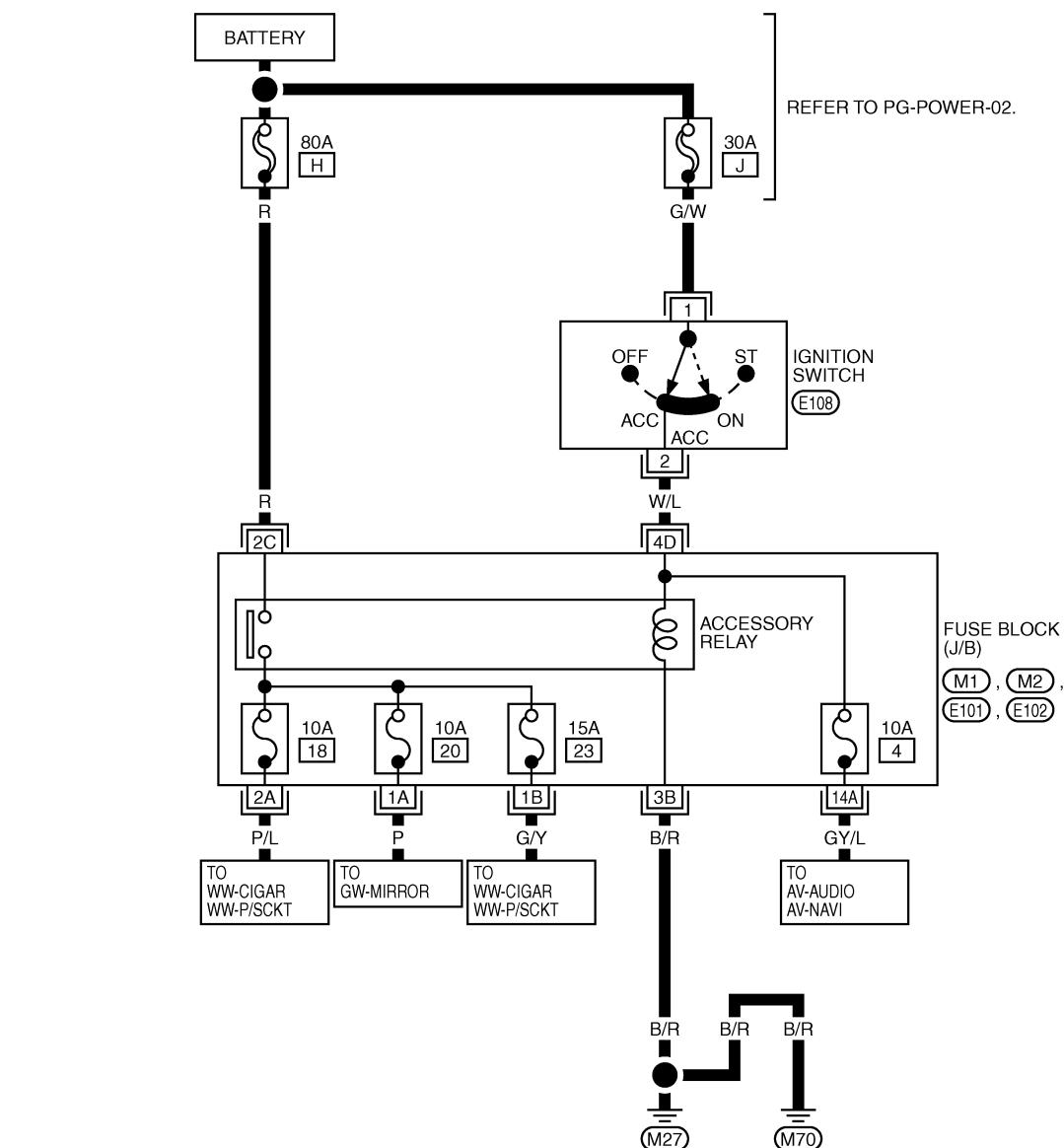
UP

TKWB2805E

# POWER SUPPLY ROUTING

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

PG-POWER-05



3 5 1  
 4 2 6  
 E108  
 W

REFER TO THE FOLLOWING.

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

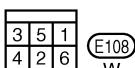
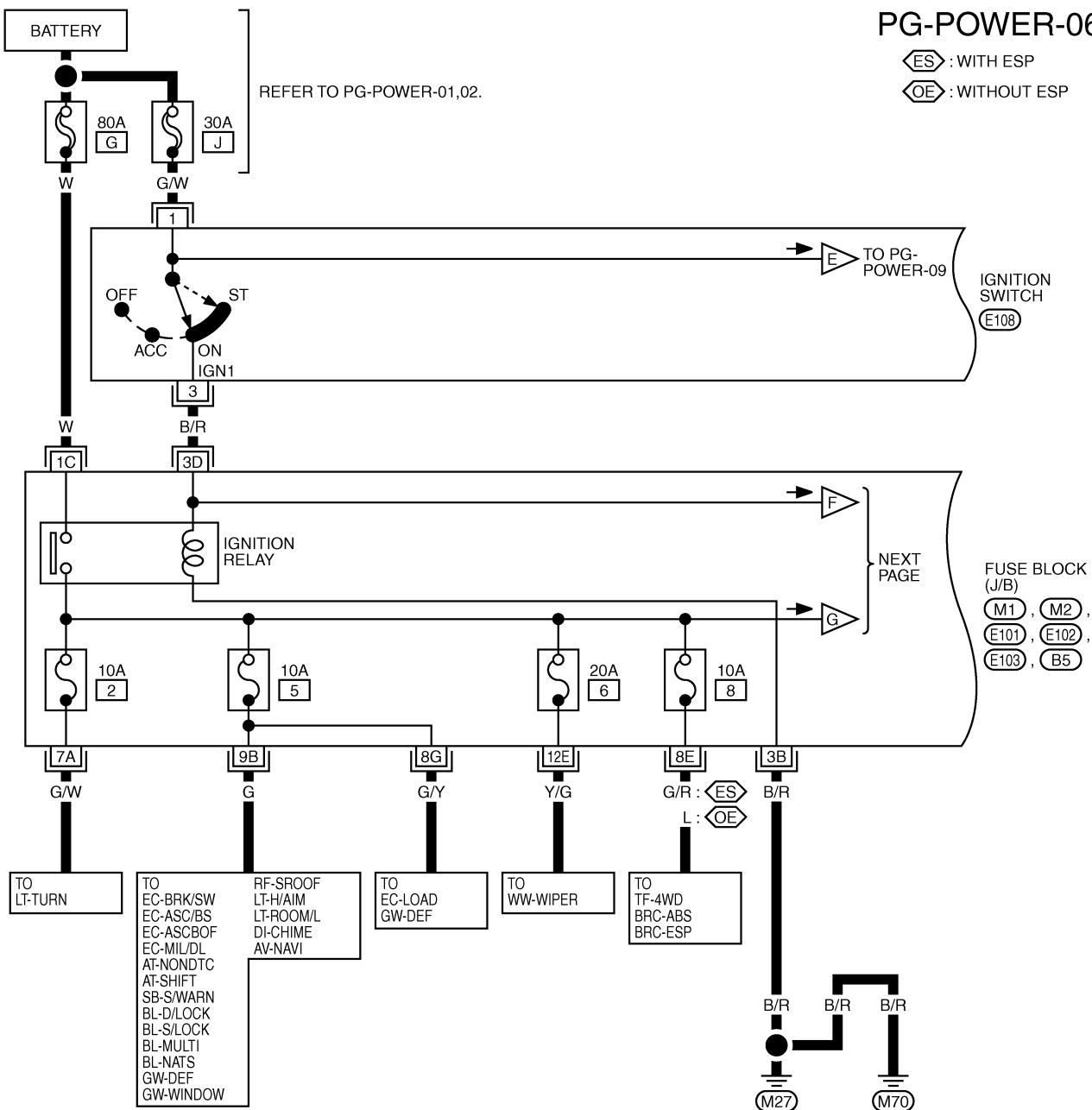
28	20	15	10	5
24	19	14	9	4
27	23	18	13	8
26	22	17	12	7
25	21	16	11	1

UP

TKWB1781E

# POWER SUPPLY ROUTING

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



REFER TO THE FOLLOWING.

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

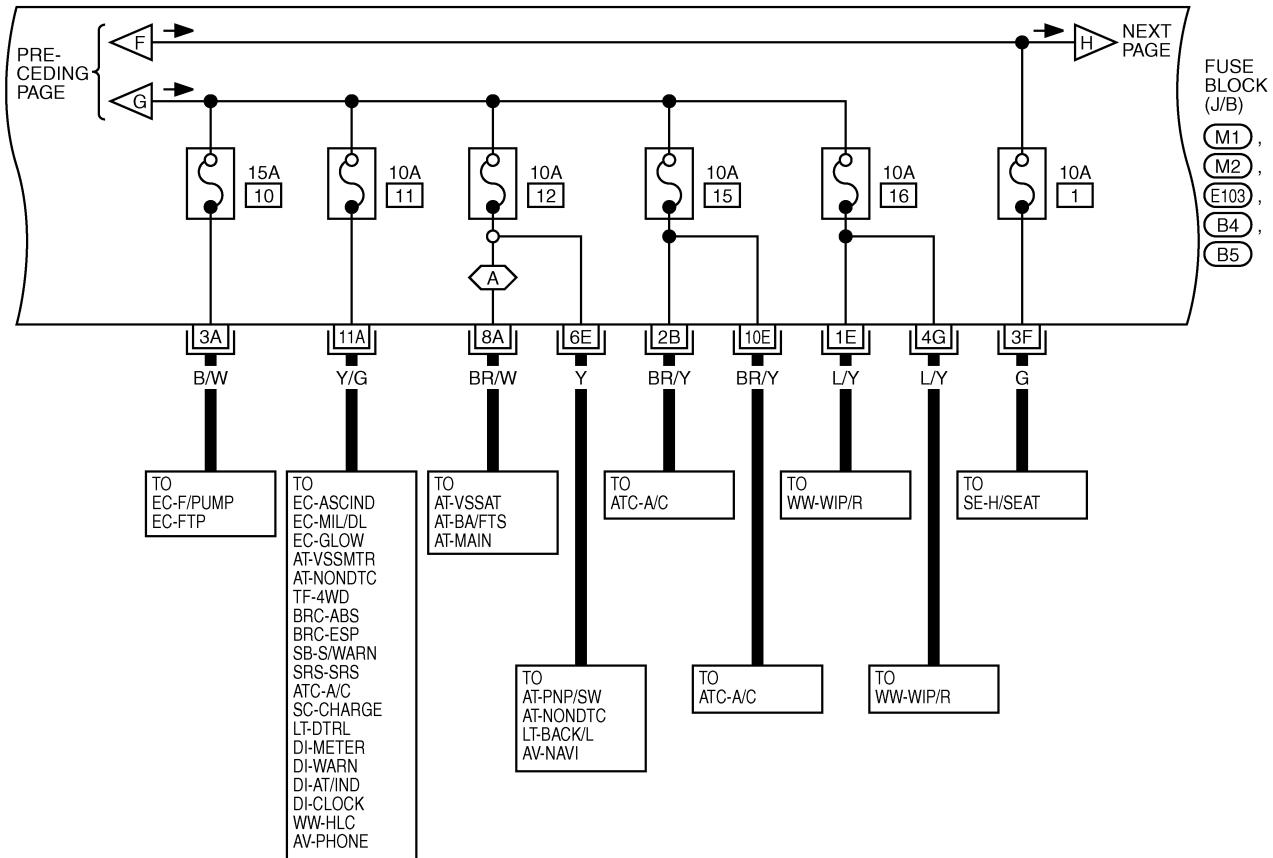
28	20	15	10	5
24	19	14	9	4
27	23	18	13	8
26	22	17	12	7
25	21	16	11	1

UP  
 ↑

# POWER SUPPLY ROUTING

PG-POWER-07

Ⓐ : WITH A/T



PG

L

M

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

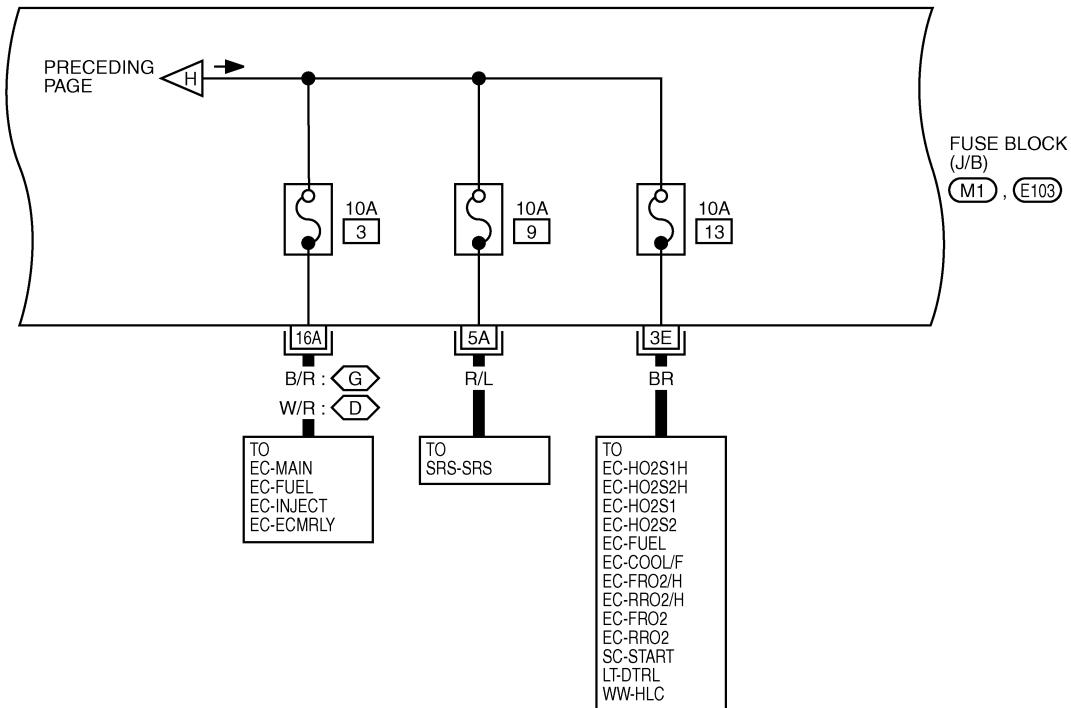


TKWB2806E

# POWER SUPPLY ROUTING

PG-POWER-08

(G) : WITH GASOLINE ENGINE  
(D) : WITH DIESEL ENGINE



REFER TO THE FOLLOWING.

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

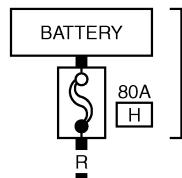
28		20	15	10	5
	24	19	14	9	4
27	23	18	13	8	3
26	22	17	12	7	2
25	21	16	11	6	1

UP  
↑

TKWB1514E

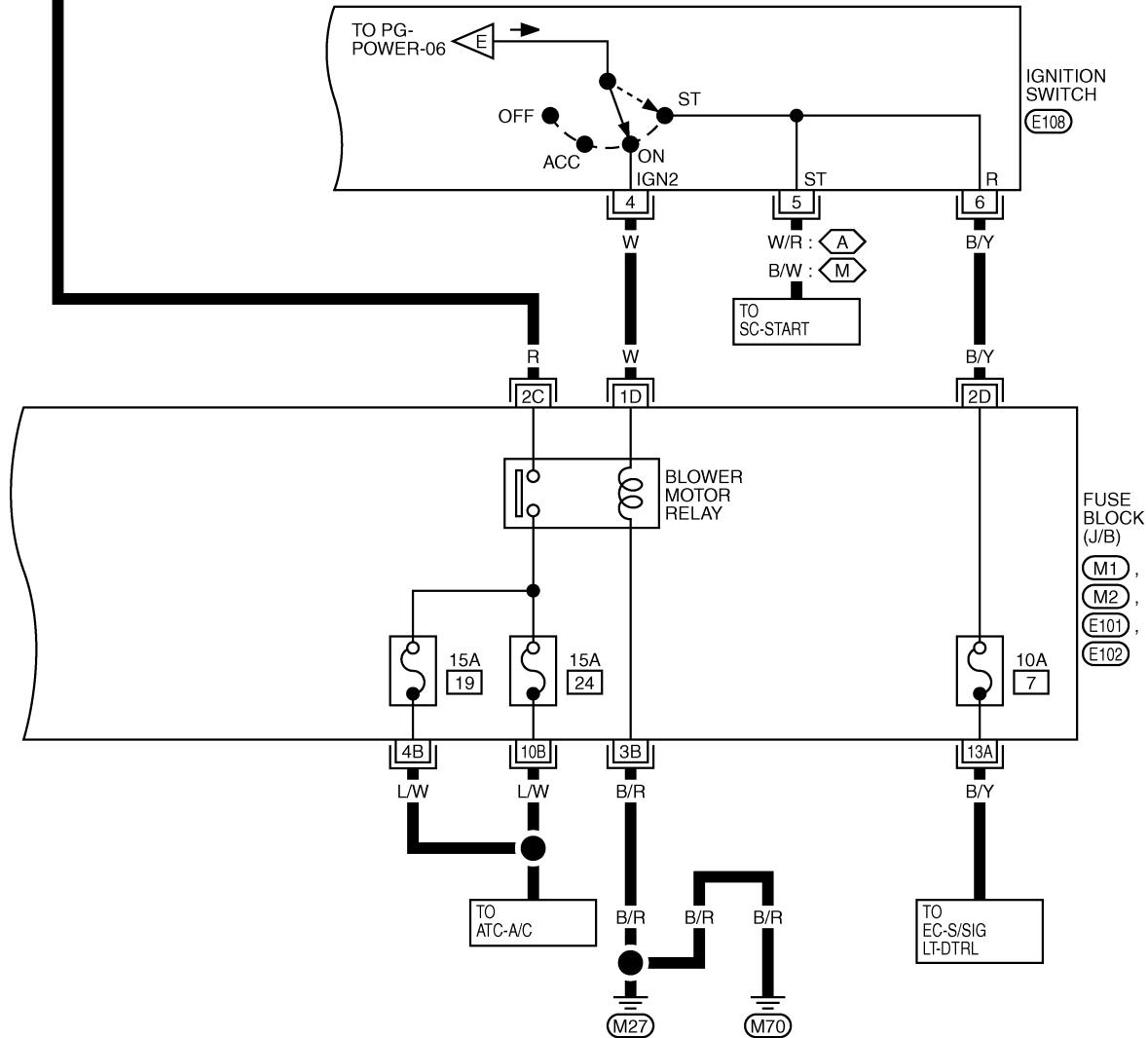
# POWER SUPPLY ROUTING

PG-POWER-09



REFER TO PG-POWER-02.

(A) : WITH A/T  
(M) : WITH M/T



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	1

UP  
↑

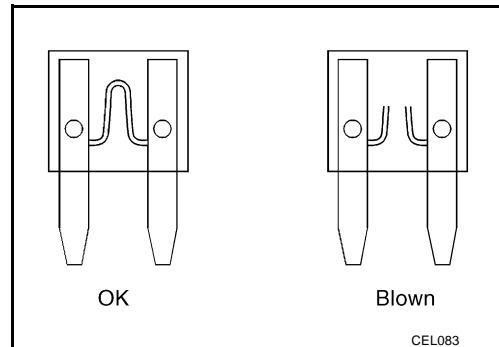
TKWB2807E

# 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.



CEL083

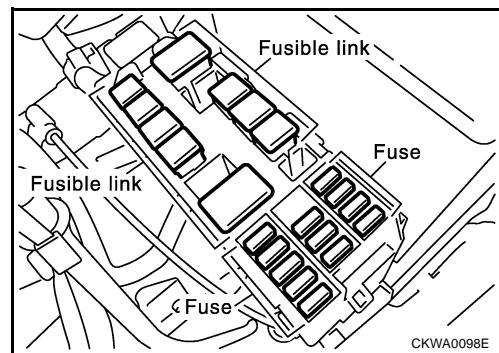
## Fusible Link

BKS000SO

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.

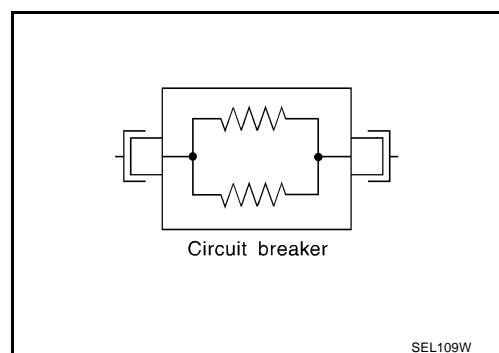


CKWA0098E

## 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.



Circuit breaker

SEL109W

## GROUND

Ground Distribution  
MAIN HARNESS/LHD MODELS

PFP:00011

BKS000S2

A

B

C

D

E

F

G

H

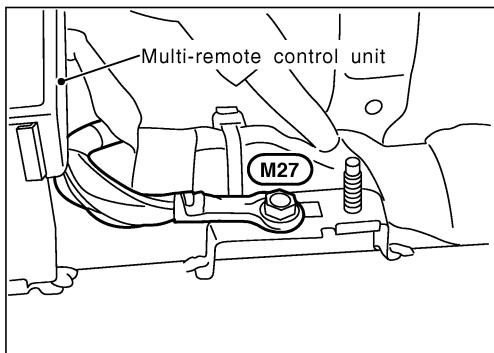
I

J

PG

L

M



CONNECTOR NUMBER	CONNECT TO
(M2)	Fuse block (J/B) (Terminal No. 3B) • Accessory relay • Ignition relay • Blower relay
(M3)	Power window relay
(M5)	Data link connector (Terminal No. 4)
(M5)	Data link connector (Terminal No. 5)
(M23)	Headlamp washer switch (Terminal No. 1) (With headlamp washer)
(M23)	Headlamp washer switch (Terminal No. 3) (With headlamp washer)
(M24)	Headlamp aiming switch (Terminal No. 1) (Without xenon headlamp)
(M24)	Headlamp aiming switch (Terminal No. 4) (Without xenon headlamp)
(M25)	ESP off switch (Terminal No. 2) (With ESP)
(M25)	ESP off switch (Terminal No. 4) (With ESP)
(M30)	Time control unit
(M32)	Combination flasher unit
(M33)	Multi-remote control unit
(M39)	4WD mode switch (Terminal No. 4)
(M39)	4WD mode switch (Terminal No. 6)
(M44)	Combination meter (Terminal No. 19) • High beam indicator
(M59)	Air bag diagnosis sensor unit (Terminal No. 2)
(M67)	Fan control amp.
(M81)	Steering angle sensor (With ESP)
(M101)	Driving lamp switch
(M107)	4WD control unit (Terminal No. 10)
(M107)	4WD control unit (Terminal No. 11)
(M119)	Driver pocket lamp

A

B

Next page

# GROUND

A

B

Preceding page

Front door harness LH

(M22) (D2)

CONNECTOR 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)

CONNECTOR 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)

CONNECTOR 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

C

D

Next page

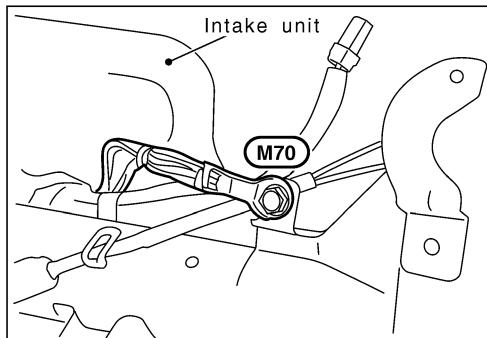
CKIB0315E

# GROUND

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CONNECTOR 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)
(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
(D14)	Door mirror actuator (Passenger side)
(D17)	Front door lock actuator (Passenger side)

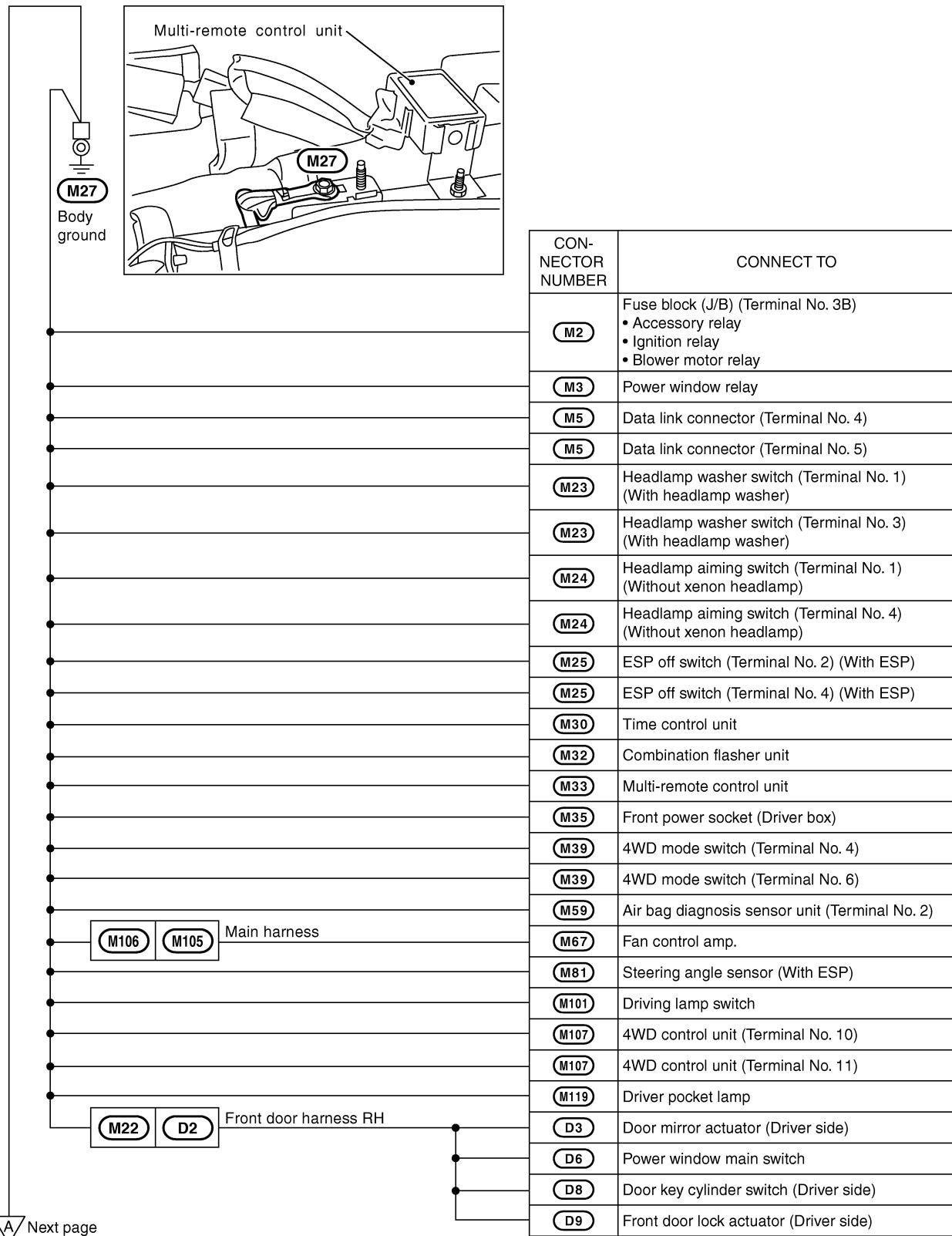
 **M70**  
Body ground



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

# GROUND

## MAIN HARNESS/RHD MODELS



Next page

# GROUND

A Preceding page

CONNECTOR 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)

B Next page

A  
B  
C  
D  
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H  
I  
J

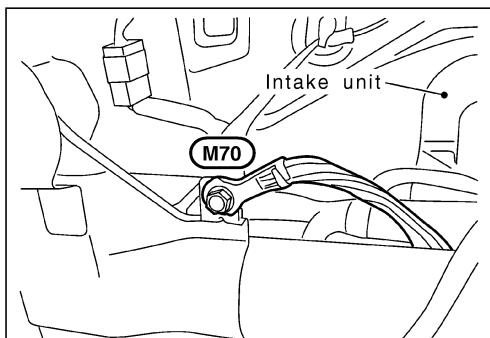
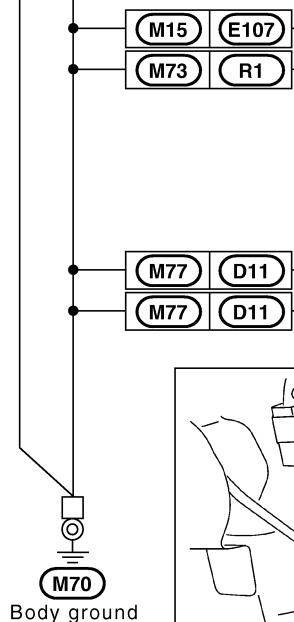
PG  
L  
M

CONNECTOR 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

# GROUND

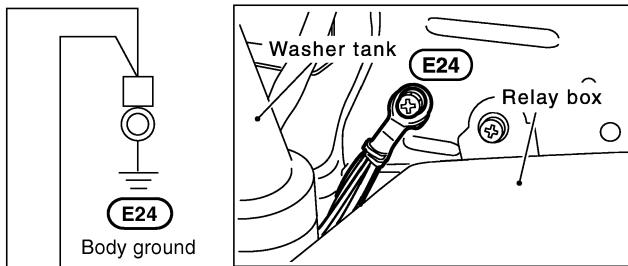
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CONNECTOR NUMBER	CONNECT TO
(M51)	Hazard switch
(M52)	A/C auto amp. (Terminal No. 3)
(M52)	A/C auto amp. (Terminal No. 11)
(M56)	Cigarette lighter socket and ashtray illumination (Terminal No. 2) • Cigarette lighter • Illumination
(M56)	Cigarette lighter 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)



# GROUND

## ENGINE ROOM HARNESS/LHD MODELS



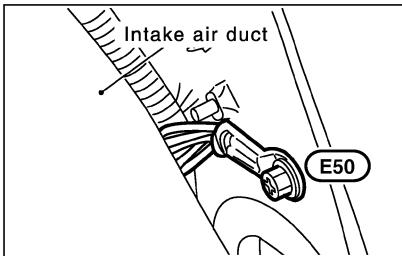
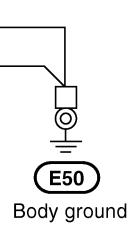
CONNECTOR NUMBER	CONNECT TO
E7	Front fog lamp relay
E8	Headlamp washer timer
E9	Cooling fan relay-2 (With diesel engine)
E11	Cooling fan relay-3
E13	Daytime light relay LH (With daytime light system)
E15	Rear fog lamp relay
E16	Daytime light relay RH (With daytime light system)
E28	Headlamp aiming motor 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)

CONNECTOR 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)

Next page

# GROUND

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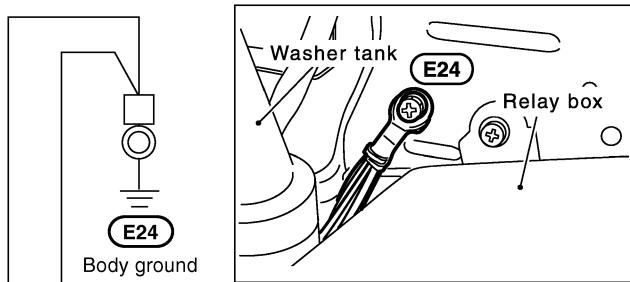


CONNECTOR NUMBER	CONNECT TO
(E18)	Front wiper motor
(E26)	Headlamp RH (Without xenon headlamp)
(E27)	Front fog lamp RH
(E29)	Parking lamp RH
(E41)	Cooling fan motor-1
(E42)	Cooling fan motor-2
(E54)	Option connector for hood switch
(E80)	Headlamp LH (Terminal No. 3) (With xenon headlamp)
(E80)	Headlamp 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)
(E74) (E151)	Fuel filter sensor sub-harness*

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

# GROUND

## ENGINE ROOM HARNESS/RHD MODELS



CONNECTOR NUMBER	CONNECT TO
(E24)	Body ground
(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 (Without xenon headlamp)
(E79)	Headlamp RH (Terminal No. 3) (With xenon headlamp)
(E79)	Headlamp RH (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)
(E129)	Driving lamp relay-2 (Terminal No. 2)
(E129)	Driving lamp relay-2 (Terminal No. 6)

CONNECTOR 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)

Next page

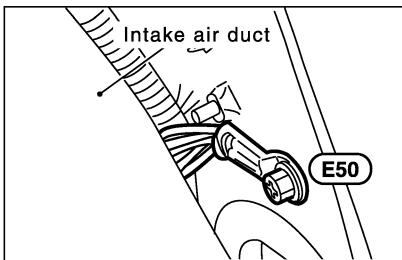
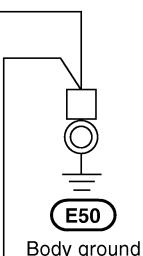
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# GROUND

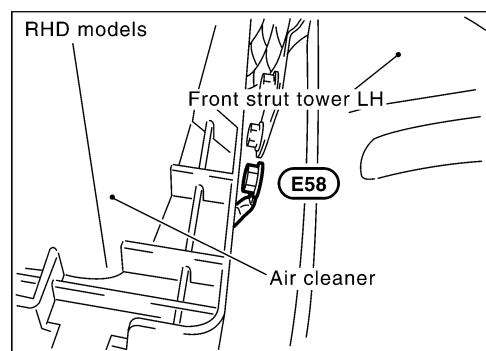
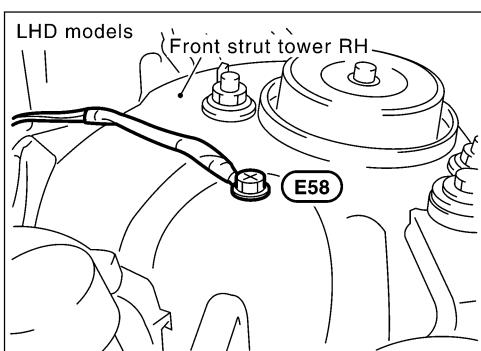
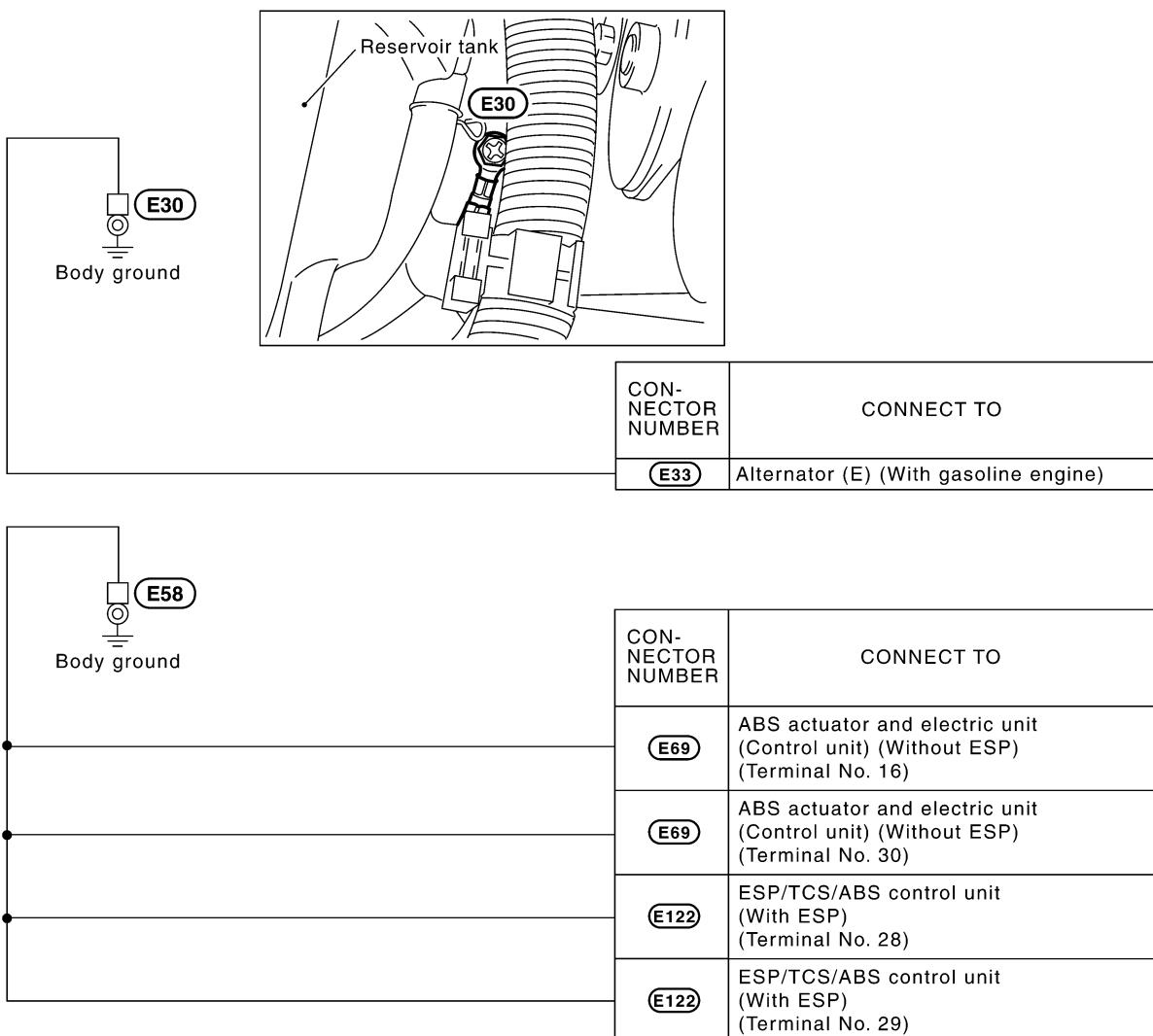
A Preceding page



CONNECTOR 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

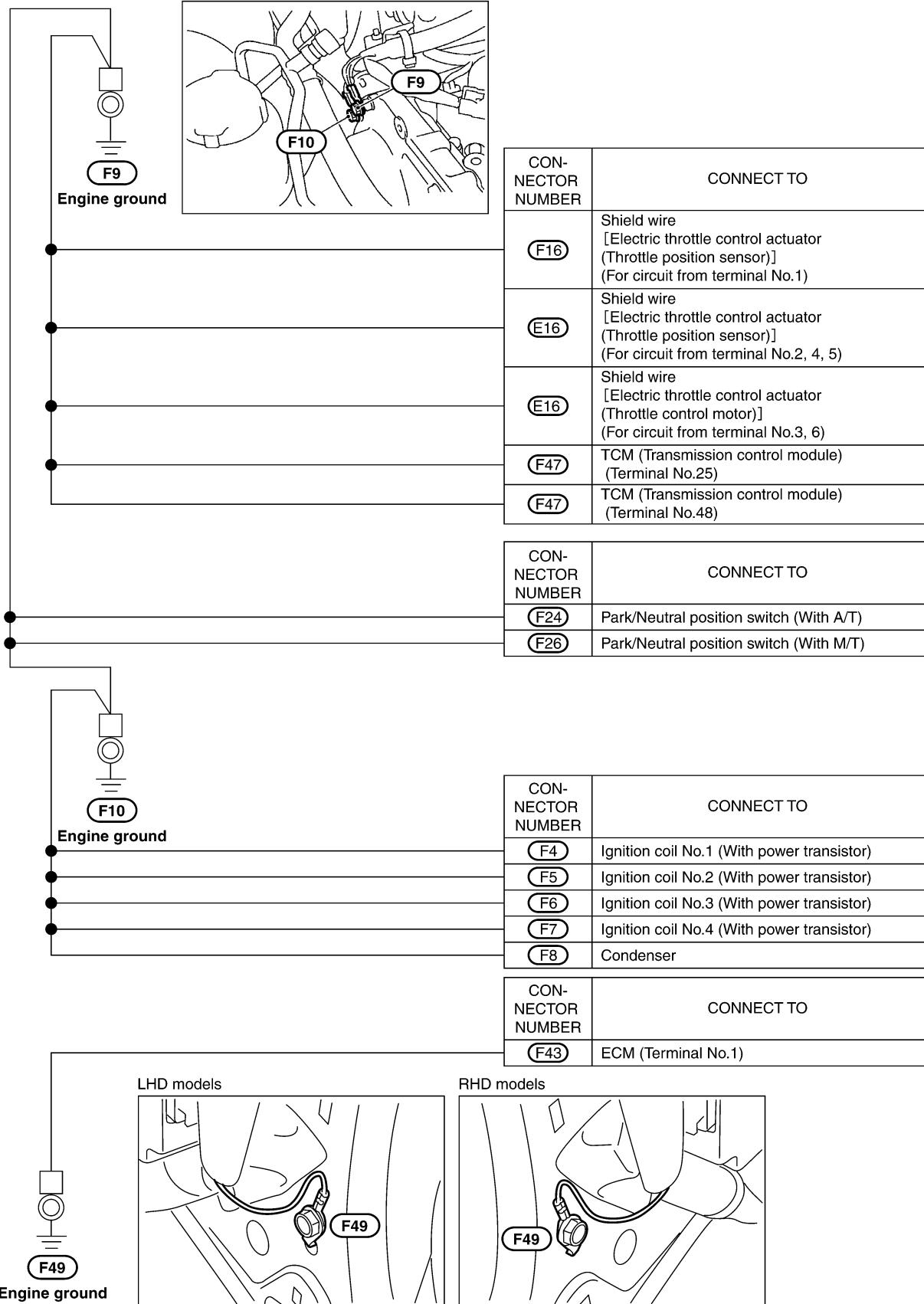
## ENGINE ROOM HARNESS



CKIA0369E

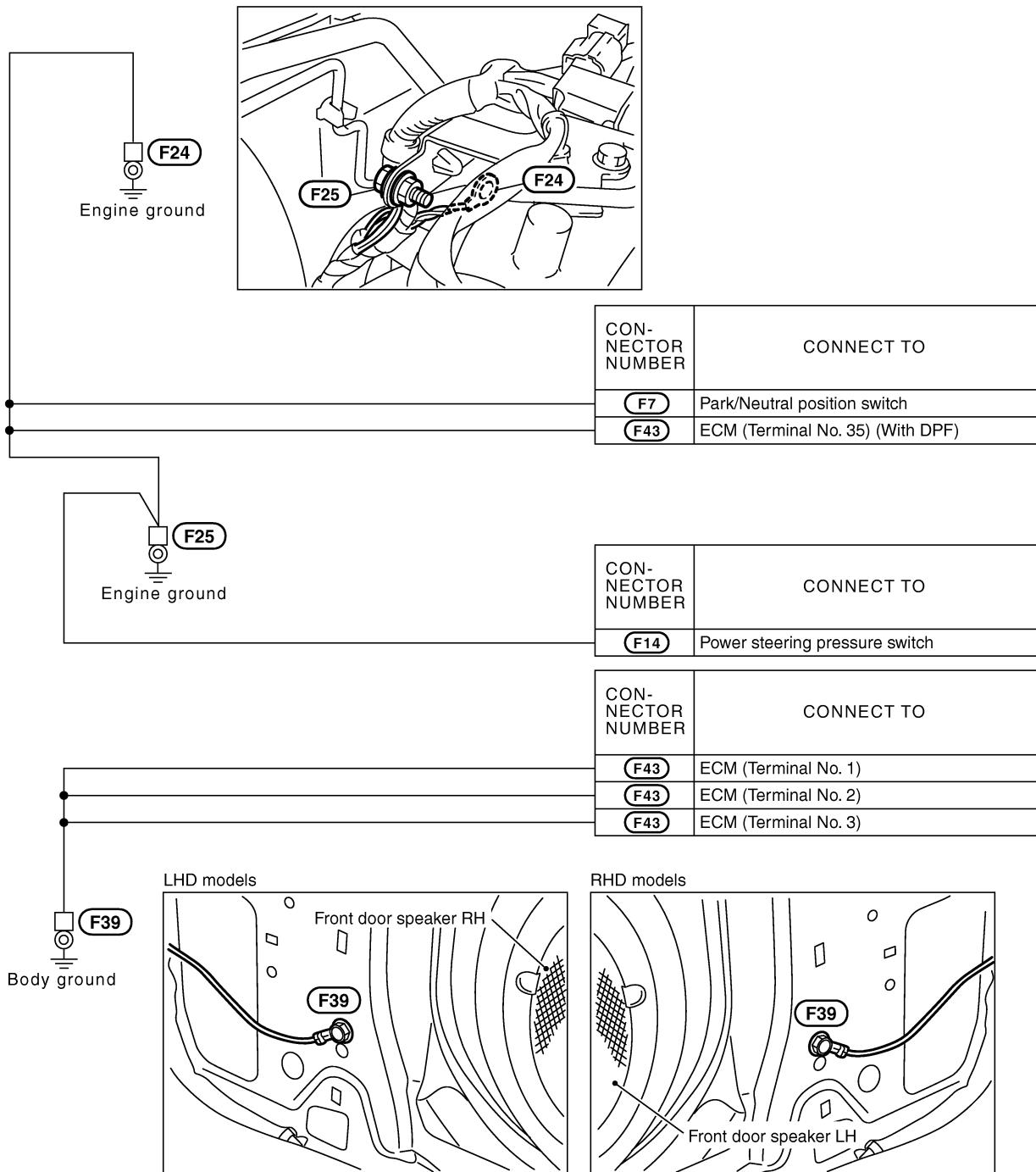
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## ENGINE CONTROL HARNESS/GASOLINE ENGINE MODELS



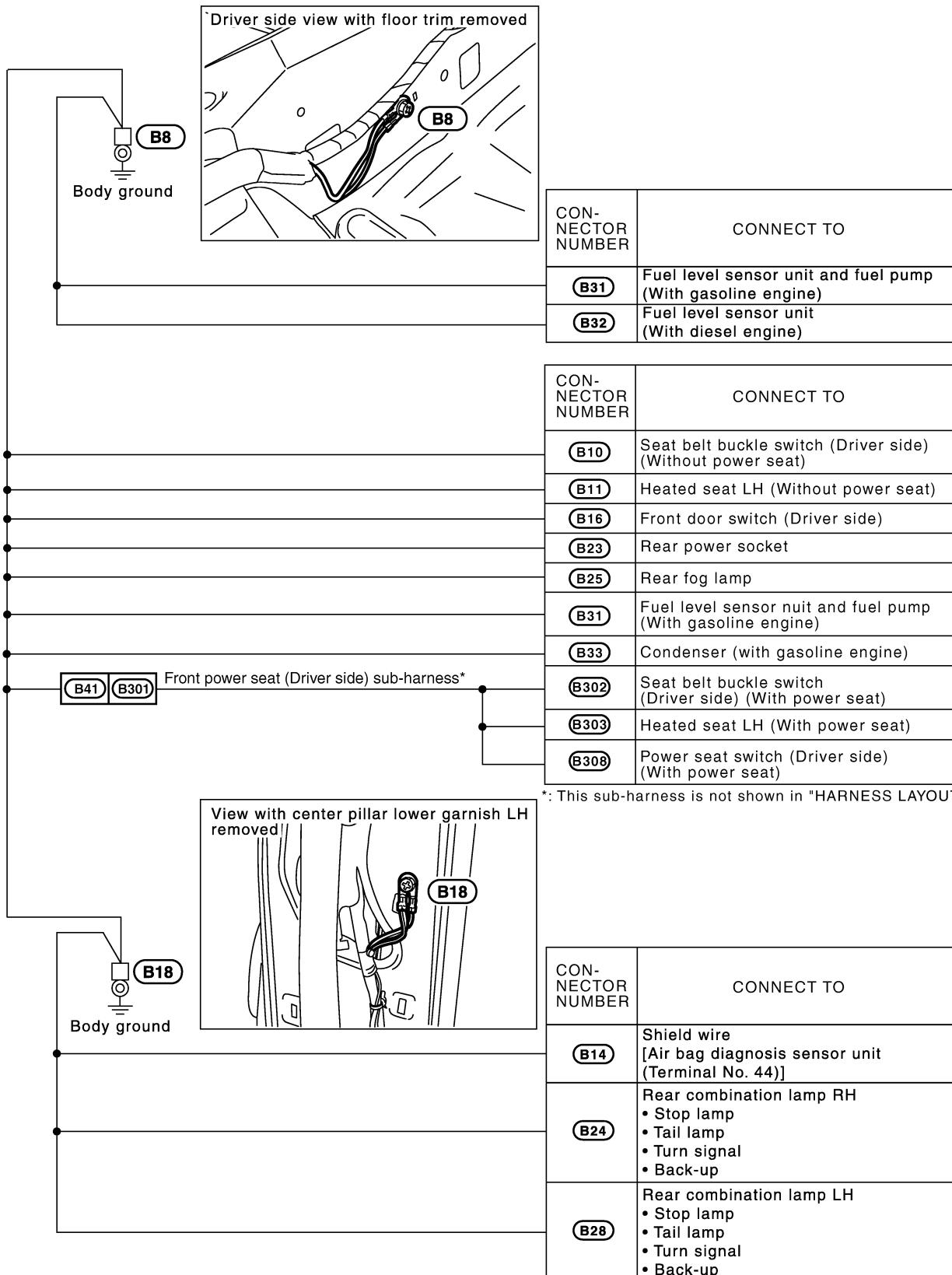
# GROUND

## ENGINE CONTROL HARNESS/DIESEL ENGINE MODELS



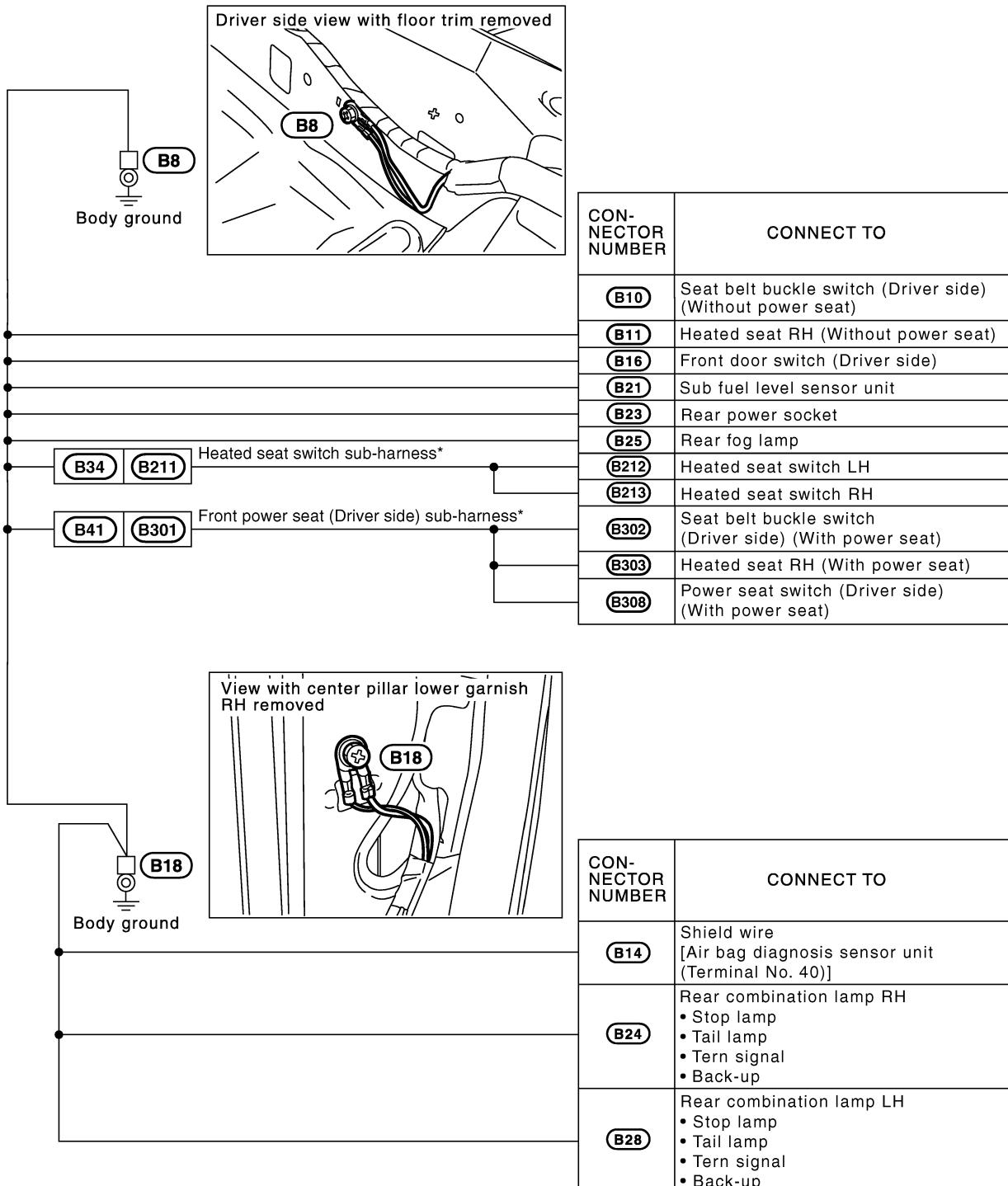
# GROUND

## BODY HARNESS/LHD MODELS



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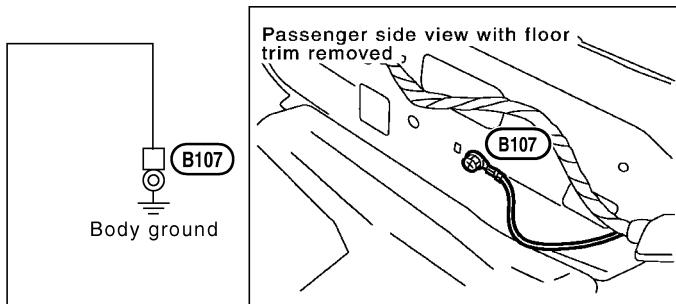
## BODY HARNESS/RHD MODELS



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

# GROUND

## BODY NO. 2 HARNESS/LHD MODELS

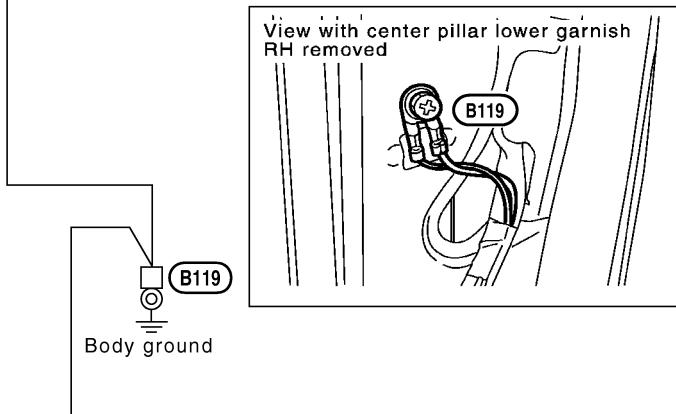


CONNECTOR NUMBER	CONNECT TO
B110	Heated seat RH (Without power seat)
B113	Seat belt buckle switch (Passenger side) (Without power seat)
B125	Sub fuel level sensor unit
B127	Fuel transport pump (With diesel engine)
B162	Height sensor (With xenon headlamp)
B212	Heated seat switch LH
B213	Heated seat switch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

Height sensor sub-harness\*      B142 B161

Heated seat switch sub-harness\*      B131 B211

Front power seat (Passenger side) sub-harness\*      B141 B351

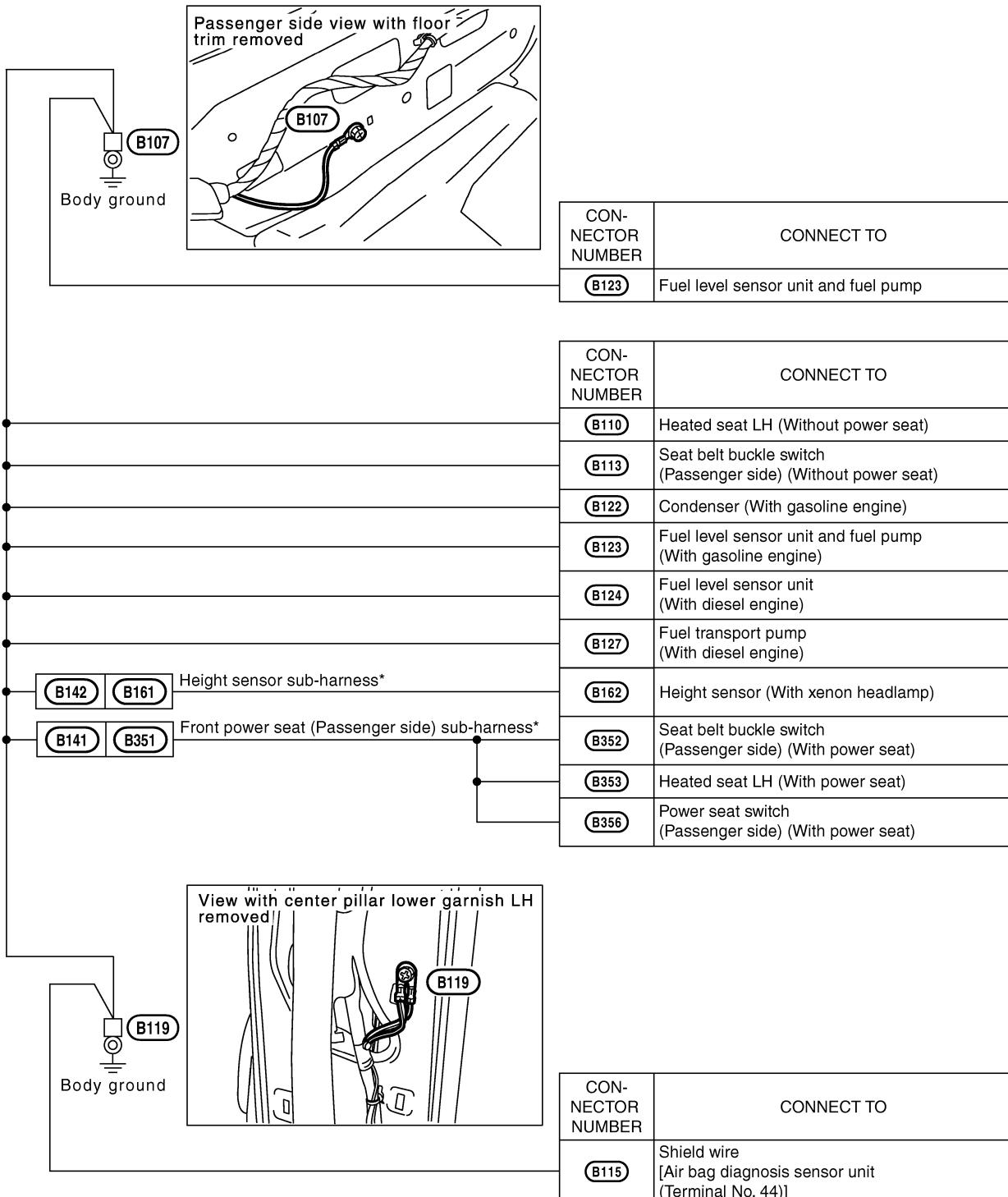


CONNECTOR NUMBER	CONNECT TO
B115	Shield wire [Air bag diagnosis sensor unit (Terminal No. 40)]

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

# GROUND

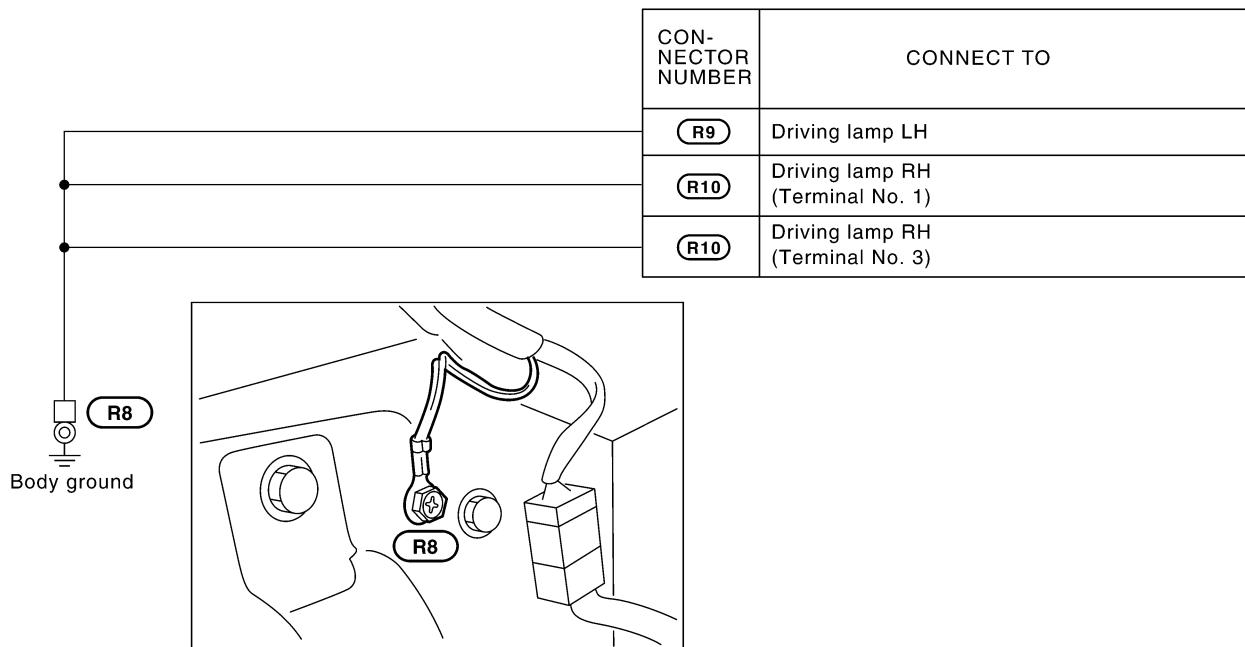
## BODY NO. 2 HARNESS/RHD MODELS



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

# GROUND

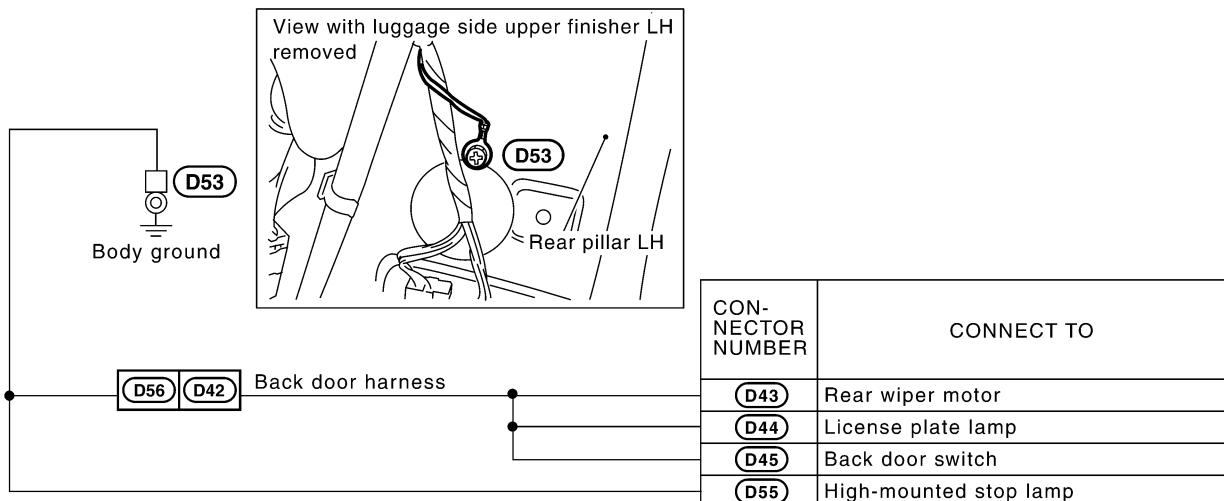
## ROOM LAMP HARNESS



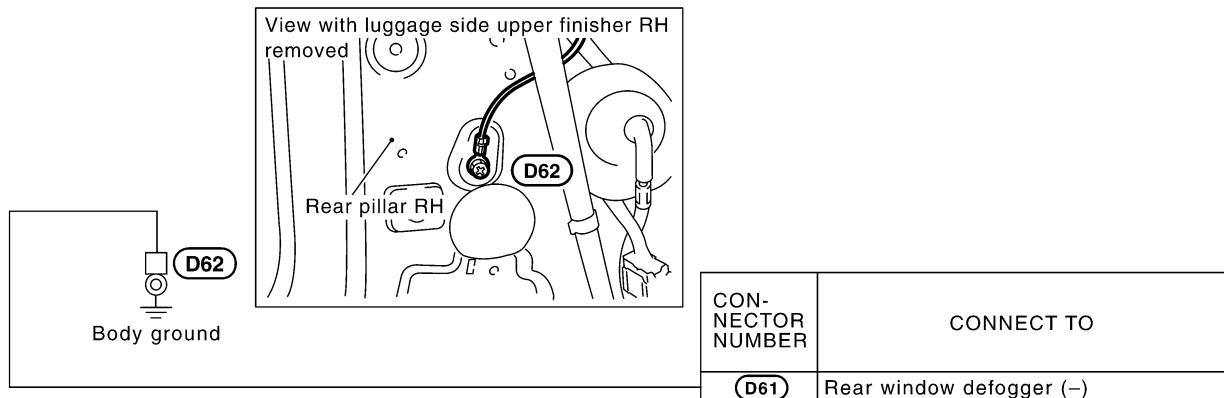
# GROUND

## BACK DOOR SUB HARNESS/REAR WINDOW DEFOGGER HARNESS

### BACK DOOR SUB-HARNESS



### REAR WINDOW DEFOGGER HARNESS



## HARNESS

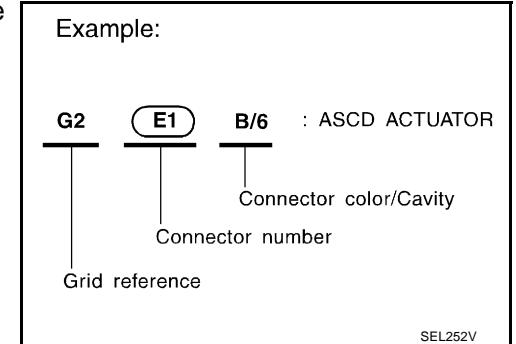
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### Harness Layout

#### HOW TO READ HARNESS LAYOUTS

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

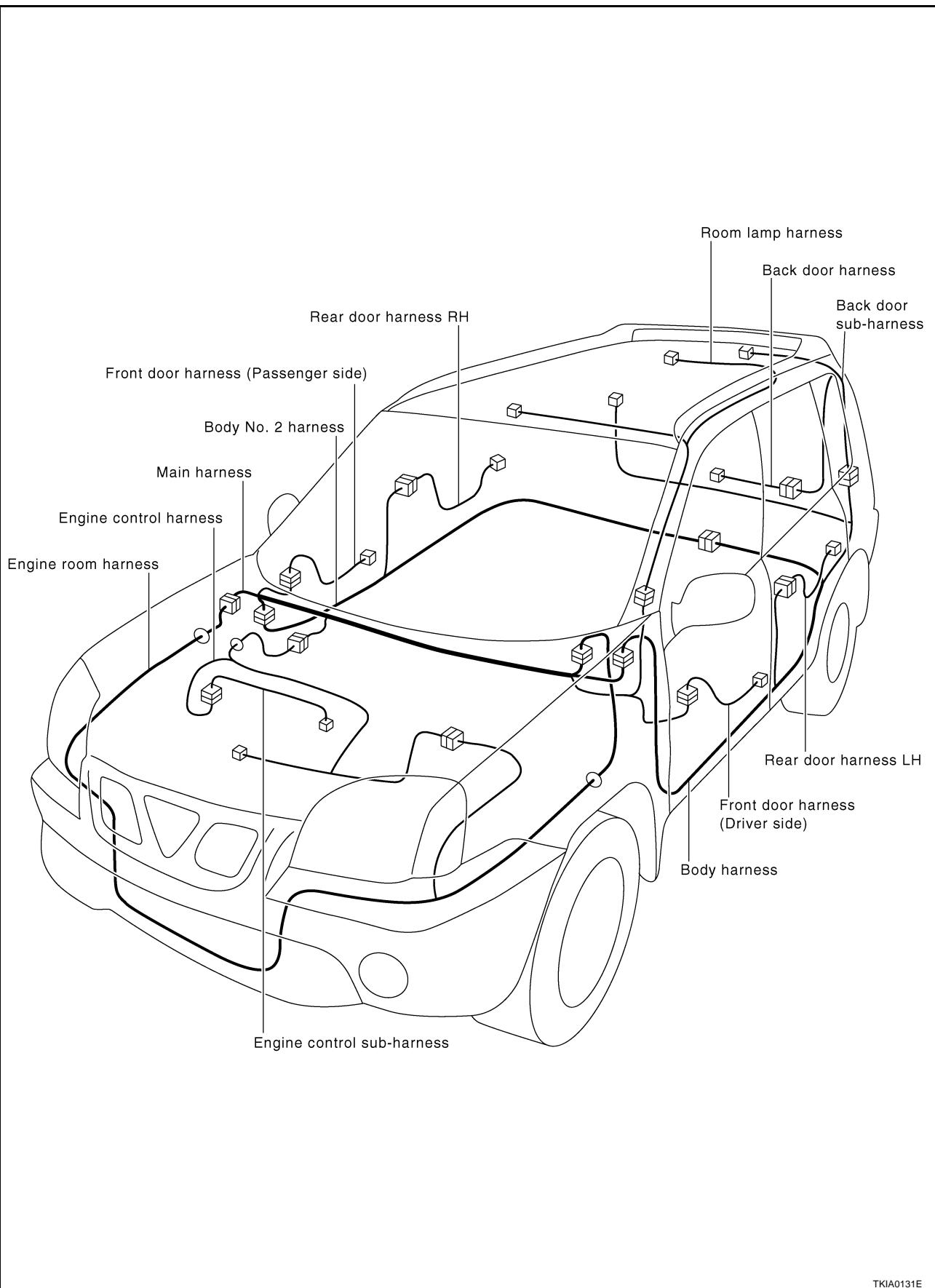
Main symbols of connector (in Harness Layout) are indicated in the below.

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



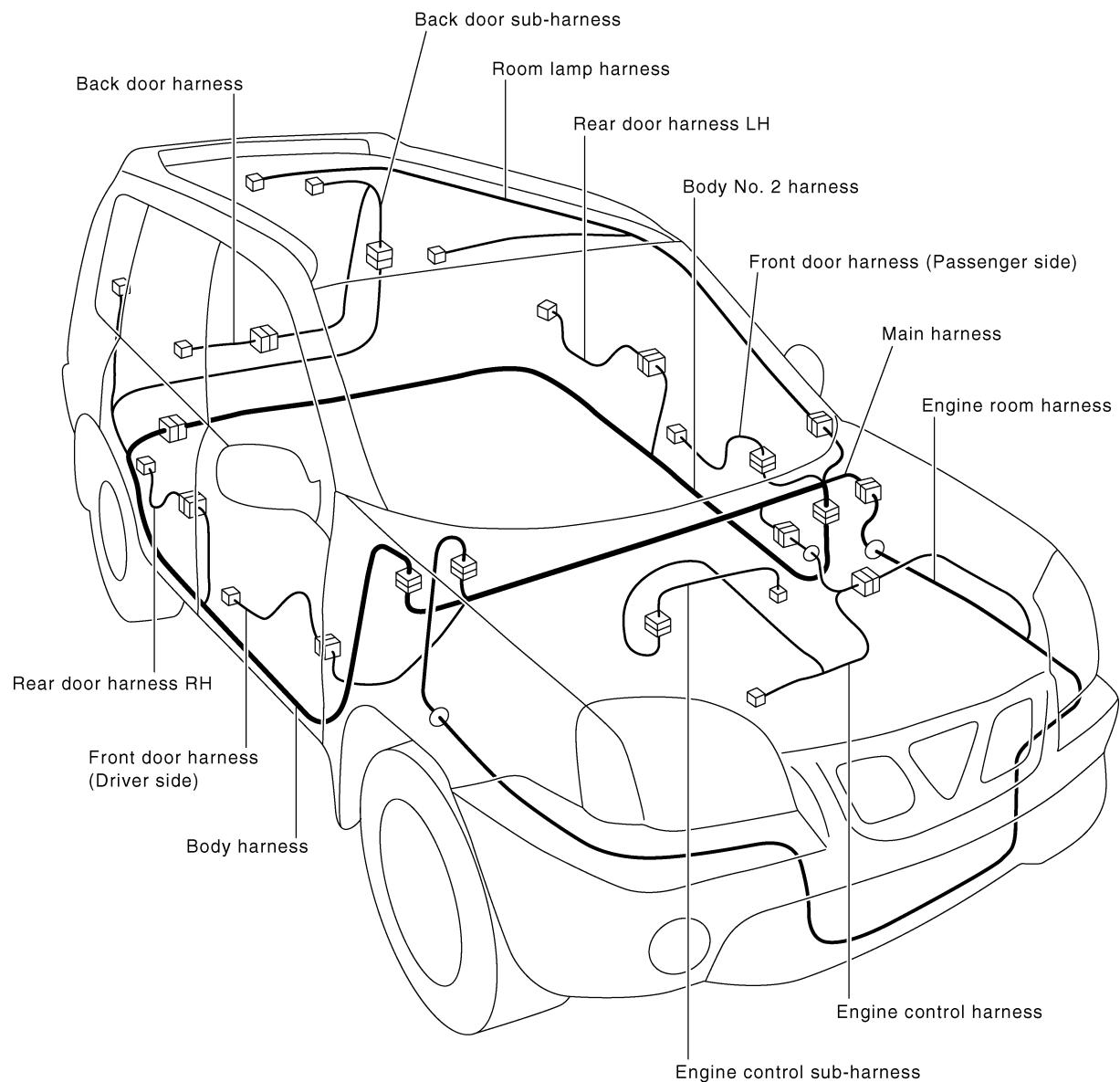
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TKIA0131E

# HARNESS

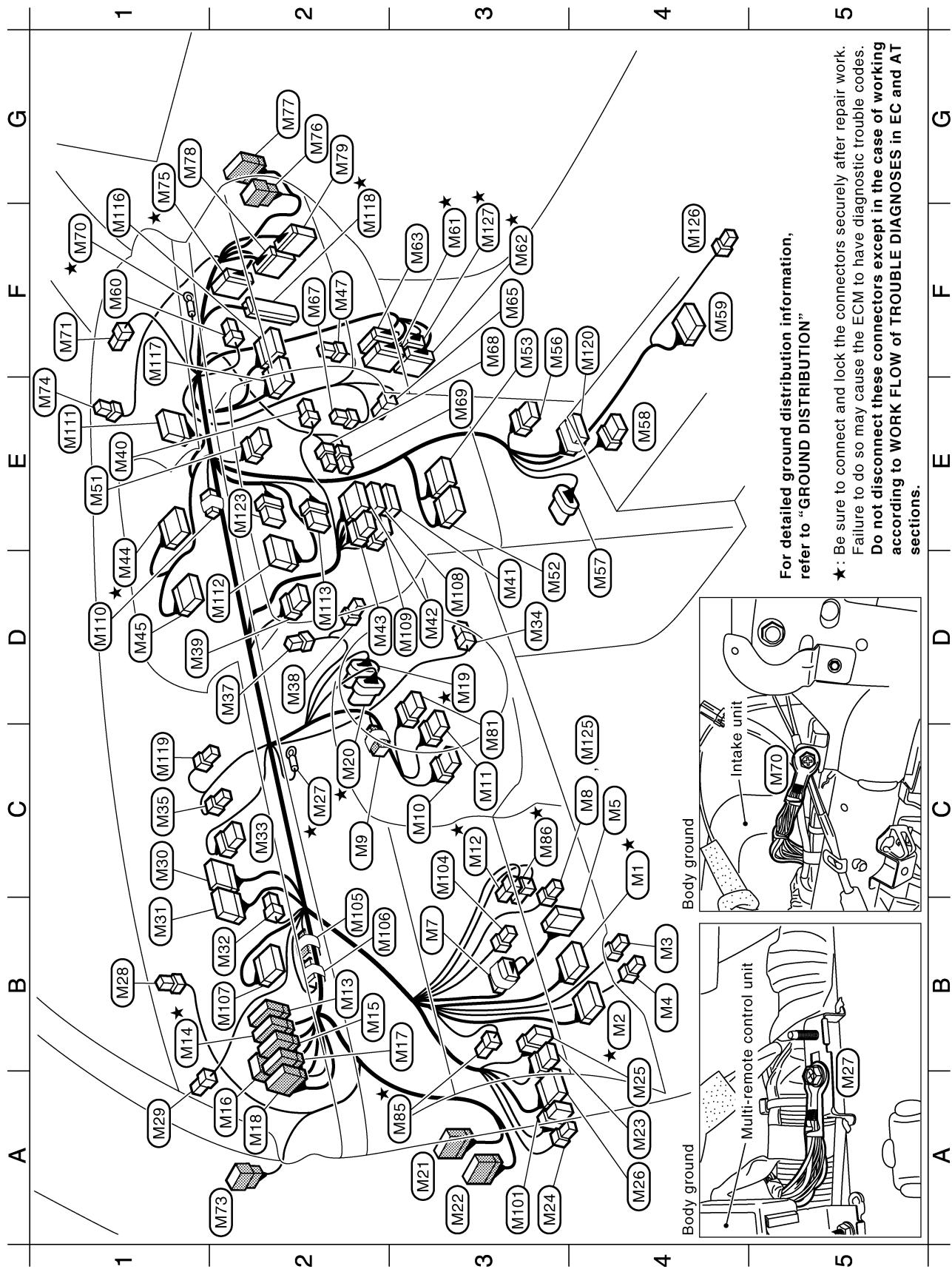
## OUTLINE/RHD MODELS



TKIA0132E

## Harness

## **MAIN HARNESS/LHD MODELS**

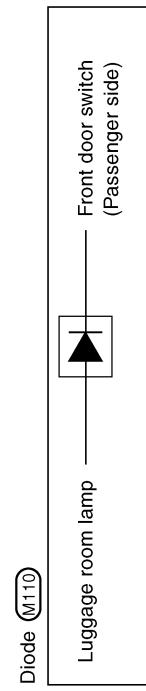


For detailed ground distribution information,  
refer to "GROUND DISTRIBUTION"

★: 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.**

# HARNESS

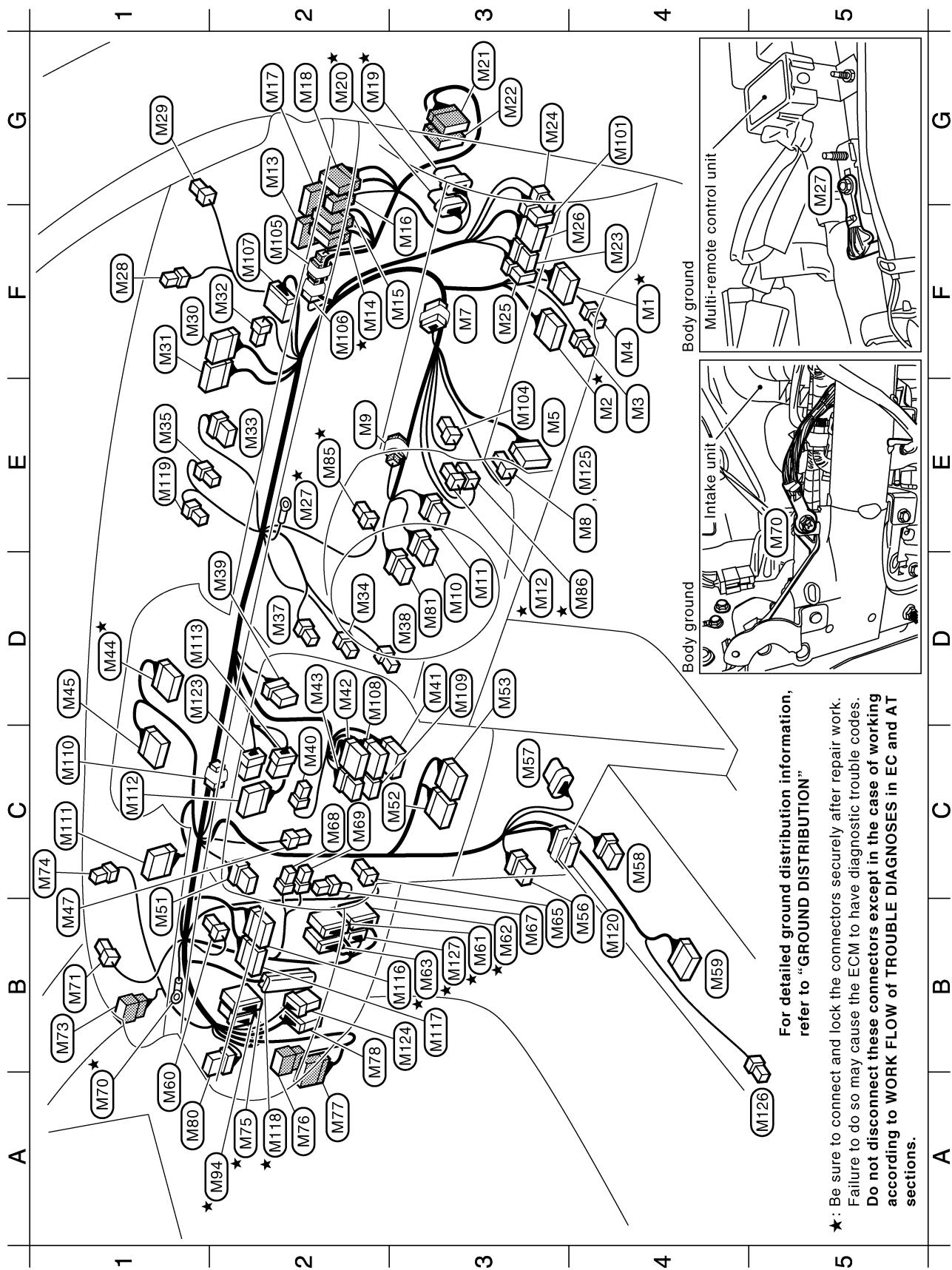
C4	★ (M1)	W/16 : Fuse block (J/B)	D2	(M37)	W/3 : Mode door motor	G2	(M76)	BR/8 : To (D12)
B4	★ (M2)	W/10 : Fuse block (J/B)	D2	(M38)	W/3 : Air mix door motor	G2	(M77)	W/12 : To (D11)
B4	(M3)	L/4 : Power window relay	D1	(M39)	GY/8 : 4WD mode switch	G1	(M78)	W/12 : To (B105)
B4	(M4)	W/2 : Circuit breaker (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	D3	(M42)	W/16 : Audio unit (With NAVI)	A3	★ (M83)	L/2 : ASCD clutch switch
C4	(M8)	L/4 : Cigarette lighter relay (Without front power socket) (Center console)	D2	★ (M43)	W/8 : Audio unit (With NAVI)	C3	★ (M85)	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)	F2	(M51)	W/8 : Hazard switch	B2	(M106)	B/2 : To (M105)
B2	(M13)	W/12 : Stop lamp switch (With M/T)	E1	(M52)	GY/20 : A/C auto amp.	B2	(M107)	W/16 : 4WD control unit
B1	★ (M14)	BR/16 : Stop lamp switch (With M/T)	D3	(M53)	GY/16 : A/C auto amp.	D3	(M108)	W/10 : Audio unit (Without NAVI)
B2	(M15)	W/16 : Stop lamp switch (With M/T)	F3	(M56)	GY/6 : Cigarette lighter socket and ashtray illumination	D3	(M109)	W/6 : Audio unit (Without NAVI)
B2	(M16)	W/16 : Stop lamp switch (With M/T)	D4	(M57)	W/5 : G sensor (4WD models without ESP)	D1	(M110)	W/2 : Diode
B2	(M17)	W/16 : Stop lamp switch (With M/T)	E4	(M58)	W/6 : A/T device	E1	(M111)	W/32 : Transfer unit (With NAVI)
A2	(M18)	W/6 : Stop lamp switch (With M/T)	F4	(M59)	Y/20 : Air bag diagnosis sensor unit	D2	(M112)	GY/24 : Display (With NAVI)
B3	(M19)	W/10 : Stop lamp switch (With M/T)	F1	(M60)	Y/2 : Front passenger air bag module	D2	(M113)	W/8 : NAVI switch (With NAVI)
A2	(M18)	BR/20 : Stop lamp switch (With M/T)	F3	★ (M61)	BR/24 : To (F41) (With gasoline engine)	F1	(M116)	W/40 : NAVI control unit (With NAVI)
D3	★ (M19)	GY/6 : Accelerator pedal position sensor (With gasoline engine)	F3	★ (M62)	W/16 : To (F42) (With gasoline engine)	F1	(M117)	W/32 : NAVI control unit (With NAVI)
C2	★ (M20)	GY/6 : Accelerator work unit (With diesel engine)	F3	(M63)	W/16 : To (F30) (With diesel engine)	F2	★ (M118)	SMJ : ECM
A3	(M21)	W/16 : Accelerator work unit (With diesel engine)	F2	(M65)	W/2 : Blower motor	C1	(M119)	W/2 : Driver pocket lamp
A3	(M22)	BR/12 : Accelerator work unit (With diesel engine)	F2	(M67)	W/4 : Fan control amp.	F4	(M120)	W/12 : Option connector for telephone
A4	(M23)	GY/8 : Headlamp washer switch	F3	(M68)	W/4 : Intake sensor (With gasoline engine)	E2	(M123)	W/8 : TMC tuner (With NAVI)
A3	(M24)	W/4 : Headlamp aiming switch (Without xenon headlamp)	E3	(M69)	W/2 : Intake sensor (With diesel engine)	C4	(M125)	L/4 : Front power socket relay
A4	(M25)	GY/6 : ESP off switch (With ESP)	F1	★ (M70)	— : Body ground	F4	(M126)	W/2 : Front power socket (Center console)
A4	(M26)	W/16 : Door mirror remote control switch	A2	(M71)	BR/2 : Tweeter RH	F3	★ (M127)	GY/6 : To (F50) (With diesel engine)
C2	★ (M27)	— : Body ground	A2	(M73)	W/8 : To (B1) Sunload sensor	C1		
B1	(M28)	BR/2 : Security indicator lamp	E1	(M74)	B/2 : Sunload sensor			
A1	(M29)	BR/2 : Tweeter LH	G1	(M75)	BR/20 : To (E16)			
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						
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.

# HARNESS

## MAIN HARNESS/RHD MODELS



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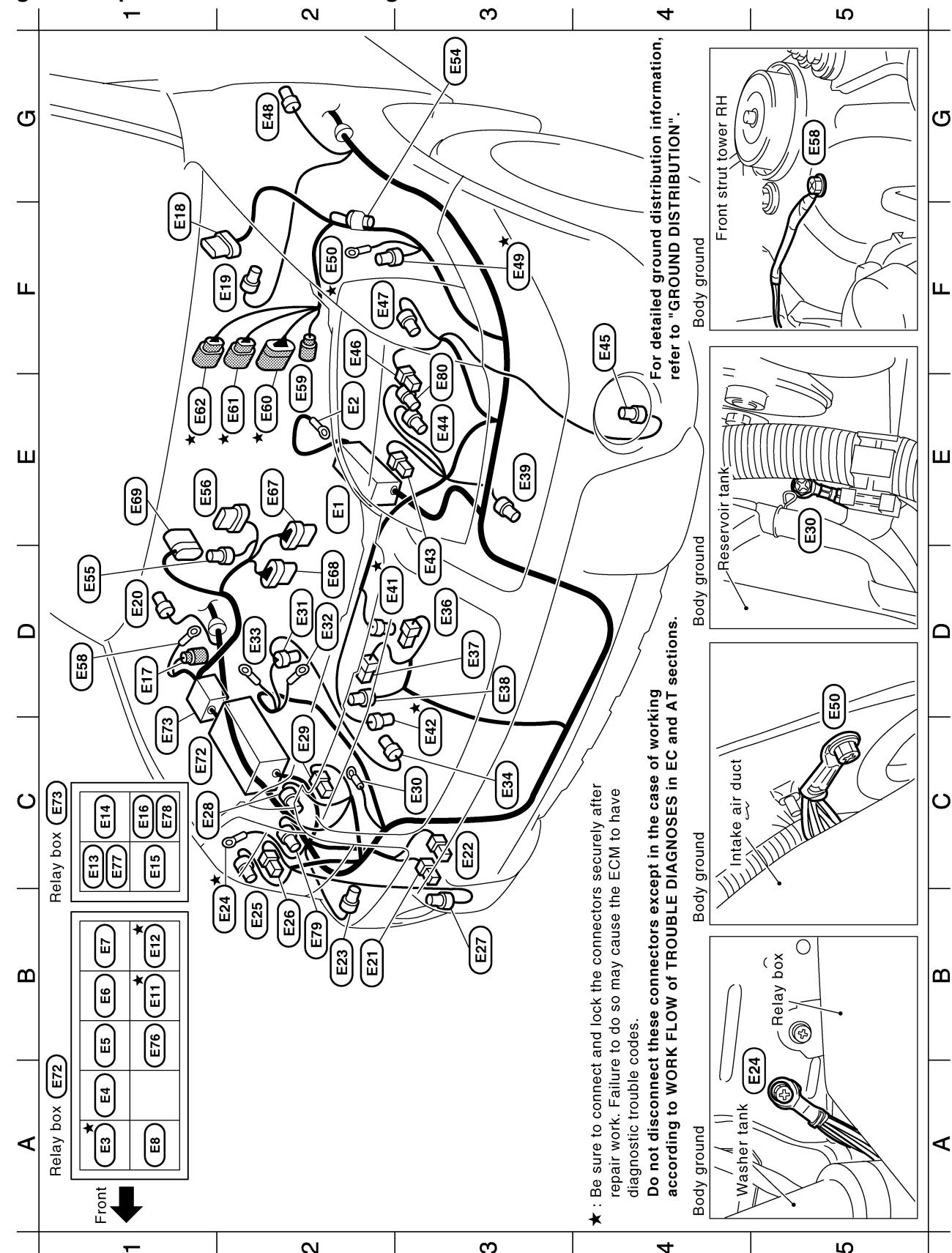
# HARNESS

★: 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 ROOM HARNESS/LHD MODELS

### Engine Compartment for Gasoline Engine Models



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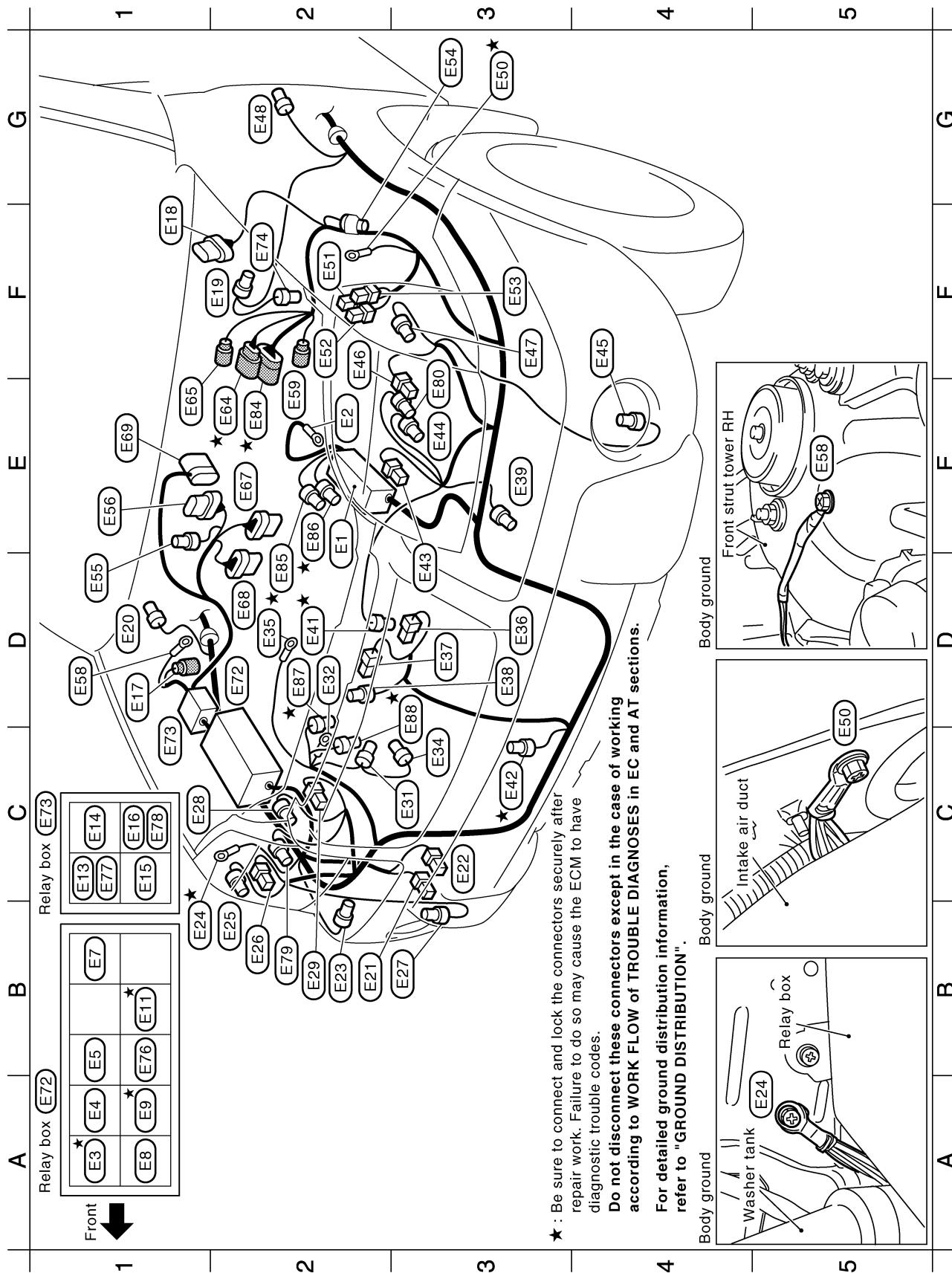
# HARNESS

E1	—	Fuse and Fusible link box
E2	—	Battery (+)
E2	★ E3	BR/6 : Cooling fan relay-1
A1	E4	W/3 : Horn relay
A1	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
B1	E8	BR/6 : Headlamp washer timer
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 pump
C3	E22	G/2 : Rear washer pump
B2	E23	GY/2 : Headlamp washer pump
B2	★ 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
C2	E29	B/2 : Parking lamp RH
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
E3	E44	B/3 : Headlamp aiming motor LH
	E45	-/2 : Front fog lamp LH
	E46	B/3 : Headlamp LH (Without xenon headlamp)
	E47	GY/2 : Front turn signal lamp LH
	E48	BR/2 : Side turn signal lamp LH
	★ E49	GY/2 : Dropping resistor (With A/T)
	★ E50	— : Body ground
	E51	GY/2 : Option connector for hood switch
	E52	B/2 : ESP relay box (With ESP)
	E53	B/8 : ESP relay box (With ESP)
	E54	— : Body ground
	E55	L/2 : Front wheel sensor LH
	E56	★ E60 : GY/9 : To F36
	E57	E2 : ★ E61 : DGY/8 : To F38
	E58	E1 : ★ E62 : GY/8 : To F37
	E59	E2 : ★ E63 : DGY/8 : ESP actuator (With ESP)
	E60	D2 : SB/8 : ESP actuator (With ESP)
	E61	E1 : ★ E64 : DGY/8 : SMJ : ABS actuator and electric unit (Without ESP)
	E62	E2 : ★ E65 : DGY/8 : SMJ : ABS actuator and electric unit (Without ESP)
	E63	A1, C1 : E72 : — : Relay box
	E64	C1 : E73 : — : Relay box
	E65	B1 : E76 : — : Fuse block (With xenon headlamp)
	E66	C1 : E77 : — : HID relay LH (With xenon headlamp)
	E67	(Without daytime light system)
	E68	C1 : E78 : L/4 : HID relay RH (With xenon headlamp)
	E69	B1 : E76 : — : Fuse block (Without xenon headlamp)
	E70	C1 : E77 : — : HID relay LH (With xenon headlamp)
	E71	(Without daytime light system)
	E72	C1 : E78 : L/4 : HID relay RH (With xenon headlamp)
	E73	B2 : E79 : DGY/4 : Headlamp RH (With xenon headlamp)
	E74	E3 : 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.**

# HARNESS

## Engine Compartment for Diesel Engine Models



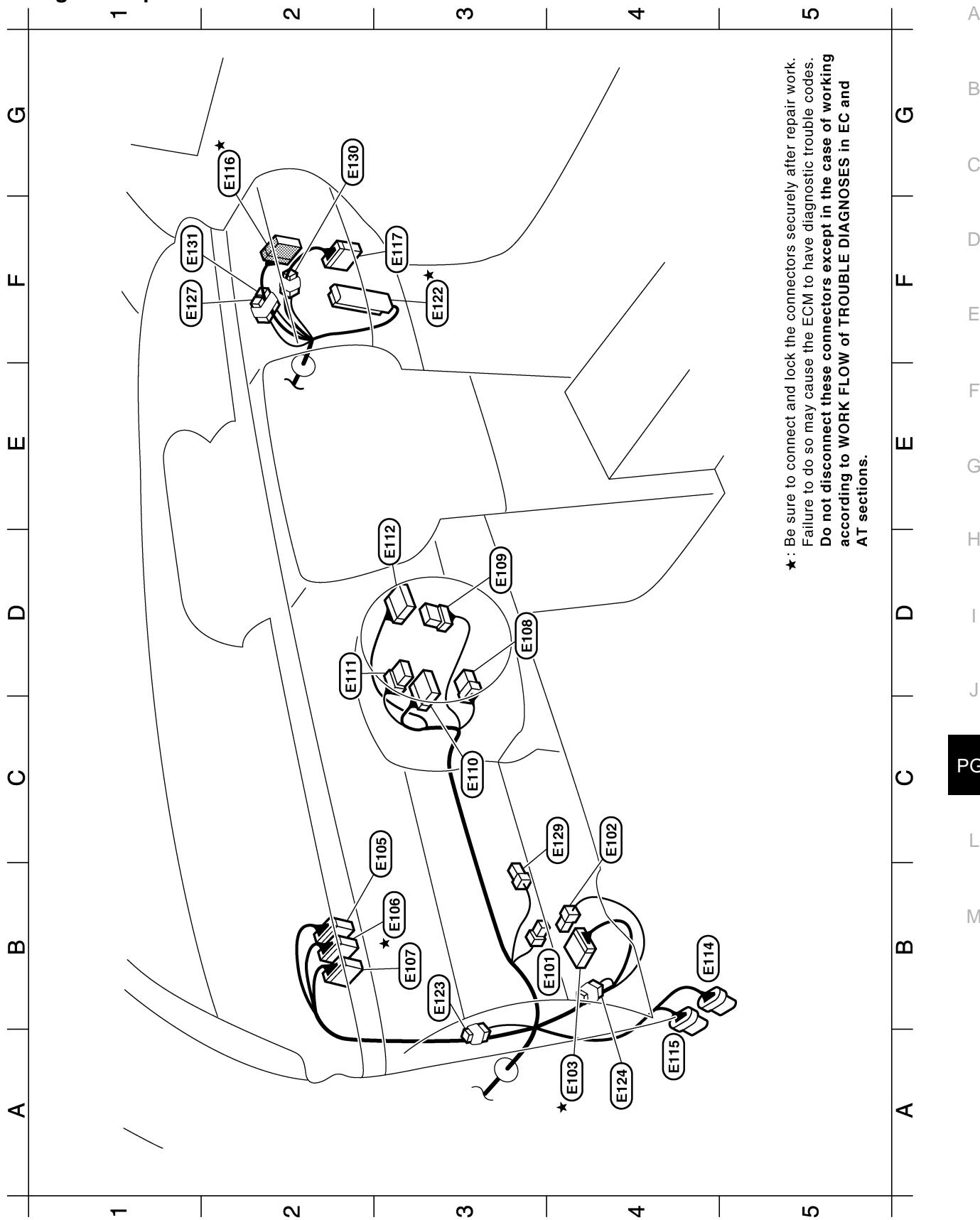
# HARNESS

E1	—	Fuse and Fusible link box
E2	—	Battery (+)
E2	★ E3	BR/6 : Cooling fan relay-1
A1	E4	W/3 : Horn relay
A1	E5	L/4 : Air conditioner relay
B1	E6	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	C1 E14 L/4 : Daytime light relay LH (With daytime light system)
C1	E14	C1 E15 L/4 : Driving lamp relay-1
C1	E15	C1 E16 L/4 : Rear fog lamp relay
C1	E16	C1 E17 GY/2 : Daytime light relay RH (With daytime light system)
D1	E17	D1 E18 GY/2 : Front wheel sensor RH
F1	E18	F1 E19 GY/2 : Front wiper motor
F2	E19	F2 E20 BR/2 : Brake fluid level switch
D1	E20	D1 E21 W/2 : Side turn signal lamp RH
B2	E21	B2 E22 G/2 : Front washer pump
C3	E22	C3 E23 G/2 : Rear washer pump
B2	E23	B2 E24 — : Headlamp washer pump
B1	E24	B1 E25 GY/2 : Body ground
B2	E25	B2 E26 GY/2 : Front turn signal lamp RH
B2	E26	B2 E27 B/3 : Headlamp RH (Without xenon headlamp)
B3	E27	B3 E28 B/3 : Front fog lamp RH
C1	E28	C1 E29 B/2 : Headlamp aiming motor RH
B2	E29	B2 E30 B/2 : Parking lamp RH
C3	E31	C3 E32 GY/2 : Alternator
D2	E32	D2 E33 — : Alternator
C3	E34	C3 E35 B/1 : Compressor
D2	E35	D2 E36 — : Glow plug
D3	E36	D3 E37 B/1 : Horn high
D3	E37	D3 E38 B/1 : Horn low
D3	E38	D3 E39 B/2 : Ambient sensor
E3	E39	E3 E40 B/3 : Refrigerant pressure sensor
D2	★ E41	D2 E42 GY/4 : Cooling fan motor-1
C3	★ E42	C3 E43 GY/4 : Cooling fan motor-2
D3	E43	D3 E44 B/2 : Parking lamp LH
E3	E44	E3 E45 B/3 : Headlamp aiming motor LH
F4	E45	F4 E46 B/2 : Front fog lamp LH
F2	E46	F2 E47 B/3 : Headlamp LH (Without xenon headlamp)
F3	E47	F3 GY/2 : Front turn signal lamp LH
G2	E48	G2 BR/2 : Side turn signal lamp LH
G3	★ E50	G3 — : Body ground
F2	E51	F2 W/1 : Glow relay
F2	E52	F2 W/1 : Glow relay
F3	E53	F3 G/2 : Glow relay
G3	E54	G3 GY/2 : Option connector for hood switch
D1	E55	D1 B/2 : ESP relay box (With ESP)
E1	E56	E1 B/8 : ESP relay box (With ESP)
D1	E58	D1 — : Body ground
E2	E59	E2 L/2 : Front wheel sensor LH
E2	★ E64	E2 DGY/8 : To F5
E1	E65	E1 B/2 : To F6
E2	E67	E2 DGY/8 : ESP actuator (With ESP)
D2	E68	D2 SB/8 : ESP actuator (With ESP)
E1	E69	E1 SMJ : ABS actuator and electric unit (Without ESP)
A1, D2	E72	A1, D2 — : Relay box
C1	E73	C1 — : Relay box
F2	E74	F2 B/3 : Fuel filter sensor (With fuel filter warning)
B1	E76	B1 C1 — : Fuse block (With xenon headlamp)
C1	E77	C1 E78 L/4 : HID relay LH (With xenon headlamp)
		(Without daytime light system)
C1	E78	C1 E79 L/4 : HID relay RH (With xenon headlamp)
		(Without daytime light system)
B2	E79	B2 E80 DGY/4 : Headlamp RH (With xenon headlamp)
E3	E80	E3 E81 DGY/4 : Headlamp LH (With xenon headlamp)
E2	★ E84	E2 GY/10 : To F5
D2	★ E85	D2 B/2 : Engine room air temperature sensor (With DPF)
E2	★ E86	E2 E2 E87 B/2 : Differential exhaust pressure sensor (With DPF)
D2	★ E87	D2 D3 E88 B/2 : Front exhaust gas temperature sensor (With DPF)
D3	E88	D3 — : 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

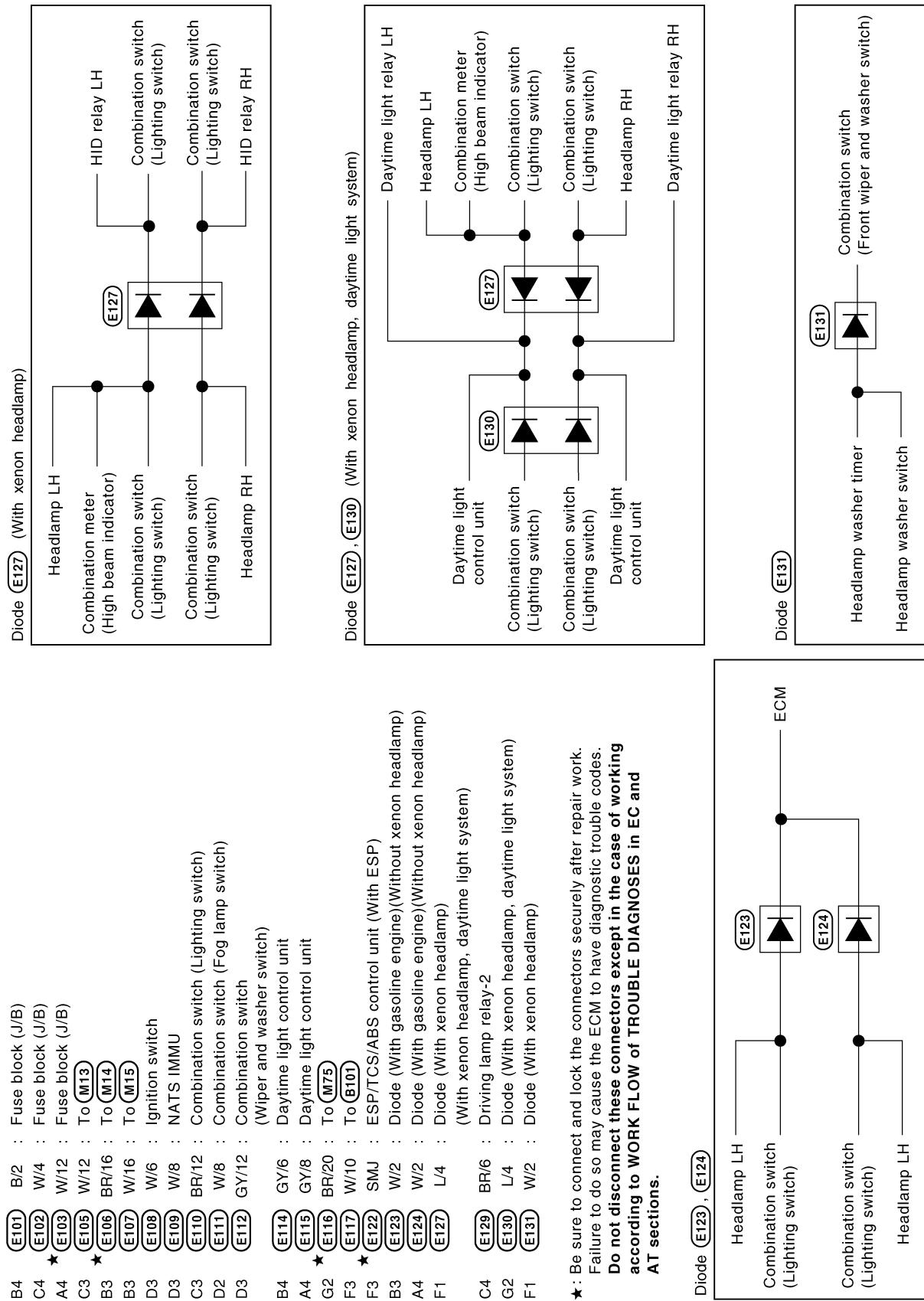


PG

L

M

# HARNESS

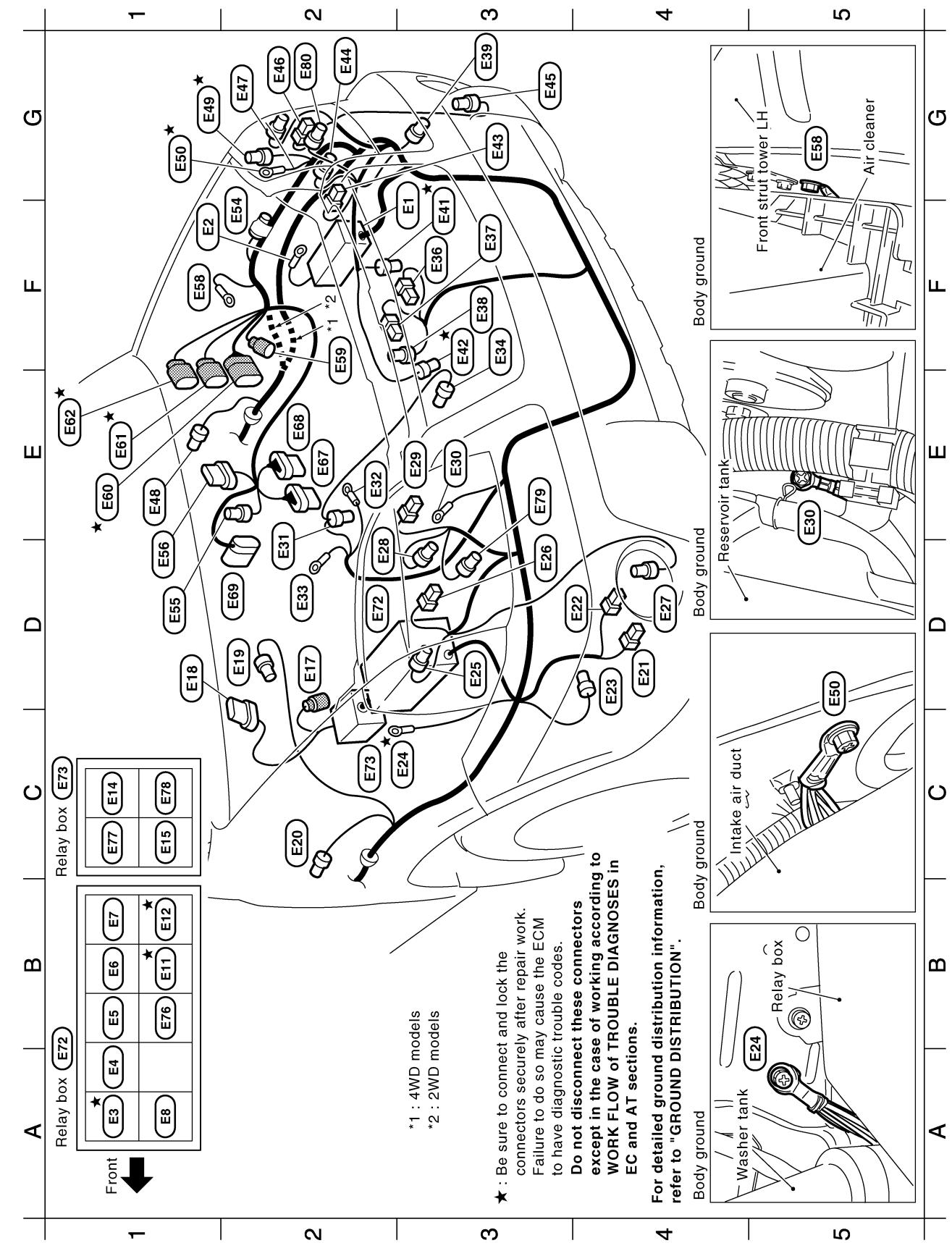


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# Harness

## **ENGINE ROOM HARNESS/RHD MODELS**

## Engine Compartment for Gasoline Engine Models



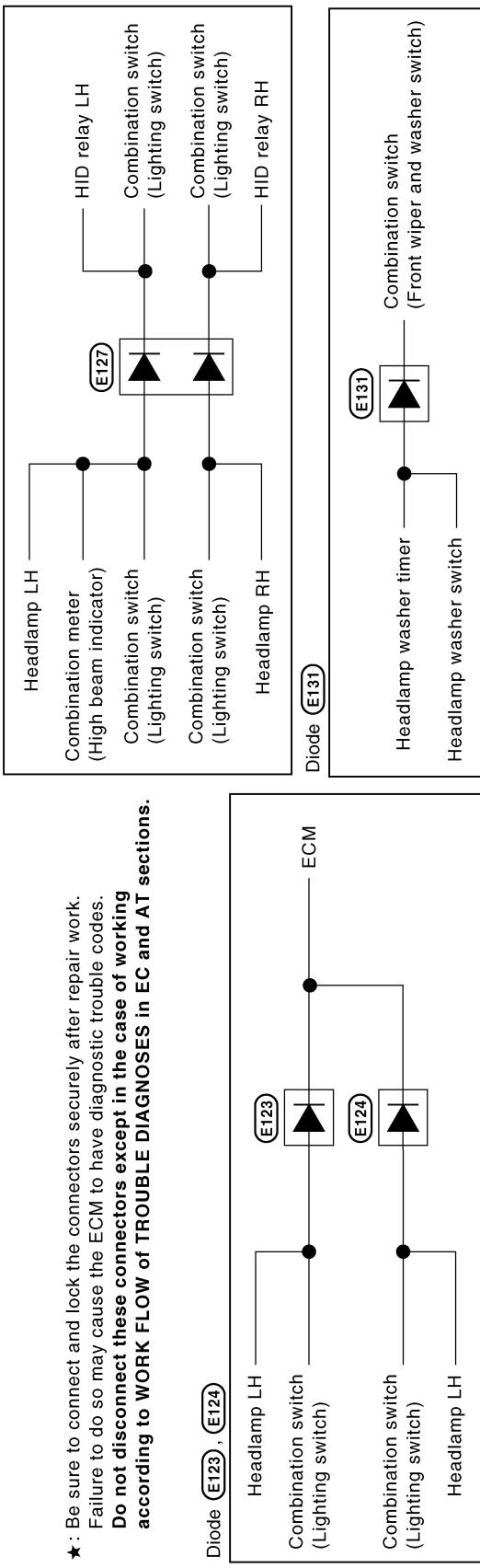
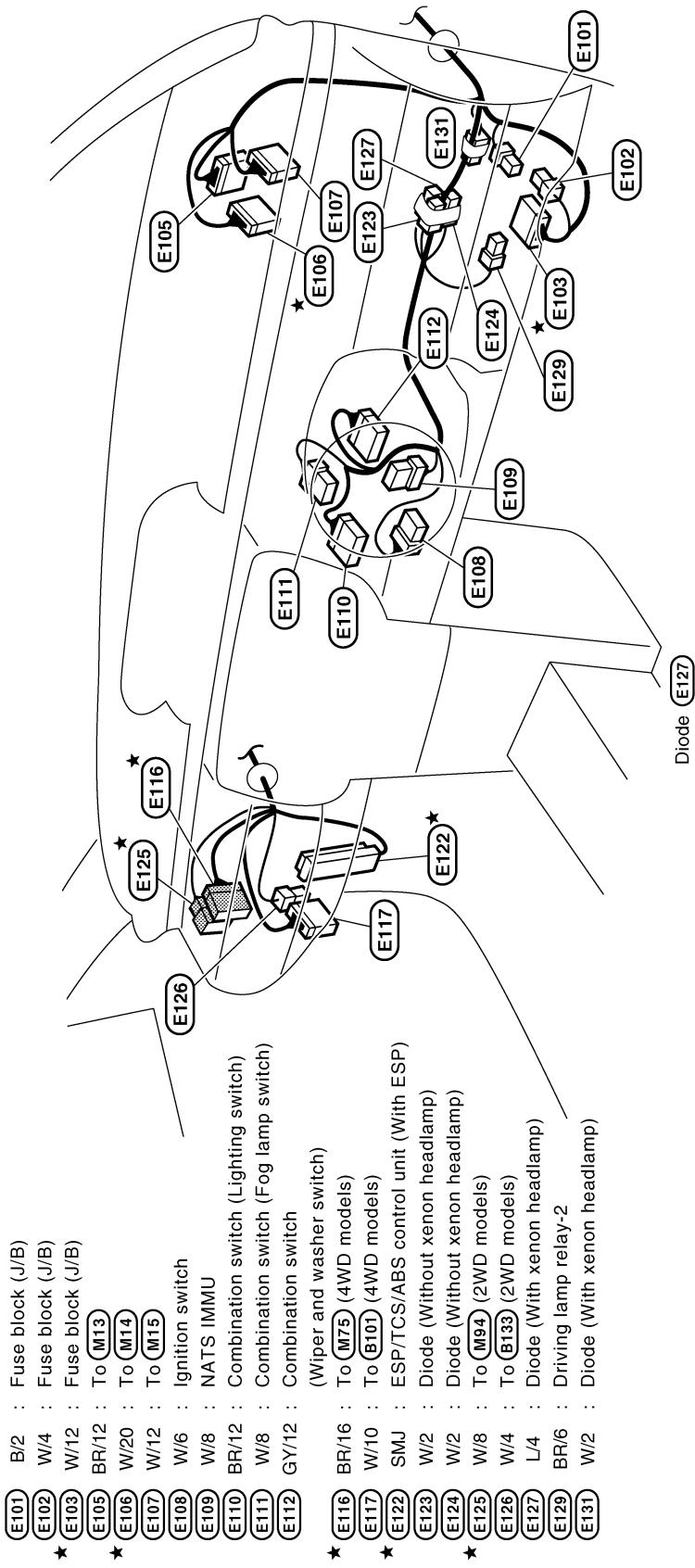
# HARNESS

F3	<b>E1</b>	—	: Fuse and Fusible link box
F1	<b>E2</b>	—	: Battery (+)
A1	<b>E3</b>	BR/6	: Cooling fan relay-1
A1	<b>E4</b>	W/3	: Horn relay
B1	<b>E5</b>	L/4	: Air conditioner relay
B1	<b>E6</b>	L/4	: Park/Neutral position relay (With A/T)
B1	<b>E7</b>	L/4	: Front fog lamp relay
A1	<b>E8</b>	BR/6	: Headlamp washer timer
B1	<b>E11</b>	BR/6	: Cooling fan relay-3
B1	<b>E12</b>	L/4	: Throttle control motor relay
C1	<b>E14</b>	L/4	: Driving lamp relay-1
C1	<b>E15</b>	L/4	: Rear fog lamp relay
D2	<b>E17</b>	GY/2	: Front wheel sensor RH
D1	<b>E18</b>	GY/5	: Front wiper motor
D2	<b>E19</b>	GY/2	: Brake fluid level switch
C2	<b>E20</b>	BR/2	: Side turn signal lamp RH
D4	<b>E21</b>	W/2	: Front washer pump
D4	<b>E22</b>	G/2	: Rear washer pump
D4	<b>E23</b>	GY/2	: Headlamp washer pump
C3	<b>E24</b>	—	: Body ground
D3	<b>E25</b>	GY/2	: Front turn signal lamp RH
D3	<b>E26</b>	B/3	: Headlamp RH (Without xenon headlamp)
D4	<b>E27</b>	-/2	: Front fog lamp RH
D2	<b>E28</b>	B/3	: Headlamp aiming motor RH
E3	<b>E29</b>	B/2	: Parking lamp RH
E3	<b>E30</b>	—	: Body ground
D2	<b>E31</b>	GY/2	: Alternator
E2	<b>E32</b>	—	: Alternator
D2	<b>E33</b>	—	: Alternator
F3	<b>E34</b>	B/1	: Compressor
F3	<b>E36</b>	B/1	: Horn high
F3	<b>E37</b>	B/1	: Horn low
F3	<b>E38</b>	B/2	: Ambient sensor
G3	<b>E39</b>	B/3	: Refrigerant pressure sensor
F3	<b>E41</b>	GY/2	: Cooling fan motor-1
F3	<b>E42</b>	GY/4	: Cooling fan motor-2
G3	<b>E43</b>	B/2	: Parking lamp LH
G2	<b>E44</b>	B/3	: Headlamp aiming motor LH
G3	<b>E45</b>	-/2	: Front fog lamp LH
G2	<b>E46</b>	B/3	: Headlamp LH (Without xenon headlamp)
G2	<b>E47</b>	GY/2	: Front turn signal lamp LH
E1	<b>E48</b>	BR/2	: Side turn signal lamp LH
G1	<b>E49</b>	GY/2	: Dropping resistor (With A/T)
G1	<b>E50</b>	—	: Body ground
F2	<b>E54</b>	GY/2	: Option connector for hood switch
D1	<b>E55</b>	B/2	: ESP relay box (With ESP)
D1	<b>E56</b>	B/8	: ESP relay box (With ESP)
F1	<b>E58</b>	—	: Body ground
F2	<b>E59</b>	L/2	: Front wheel sensor LH
E1	<b>E60</b>	GY/9	: To <b>(F38)</b>
E1	<b>E61</b>	DGY/8	: To <b>(F38)</b>
E1	<b>E62</b>	GY/8	: To <b>(F37)</b>
E2	<b>E67</b>	DGY/8	: ESP actuator (With ESP)
E2	<b>E68</b>	SB/8	: ESP actuator (With ESP)
D2	<b>E69</b>	SMJ	: ABS actuator and electric unit (Without ESP)
A1, D2	<b>E72</b>	—	: Relay box
C1, C2	<b>E73</b>	—	: Relay box
B1	<b>E76</b>	—	: Fuse block (With xenon headlamp)
C1	<b>E77</b>	L/4	: HID relay LH (With xenon headlamp)
C1	<b>E78</b>	L/4	: HID relay RH (With xenon headlamp)
E3	<b>E79</b>	DGY/4	: Headlamp RH (With xenon headlamp)
G2	<b>E80</b>	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 AT sections.**

## Harness

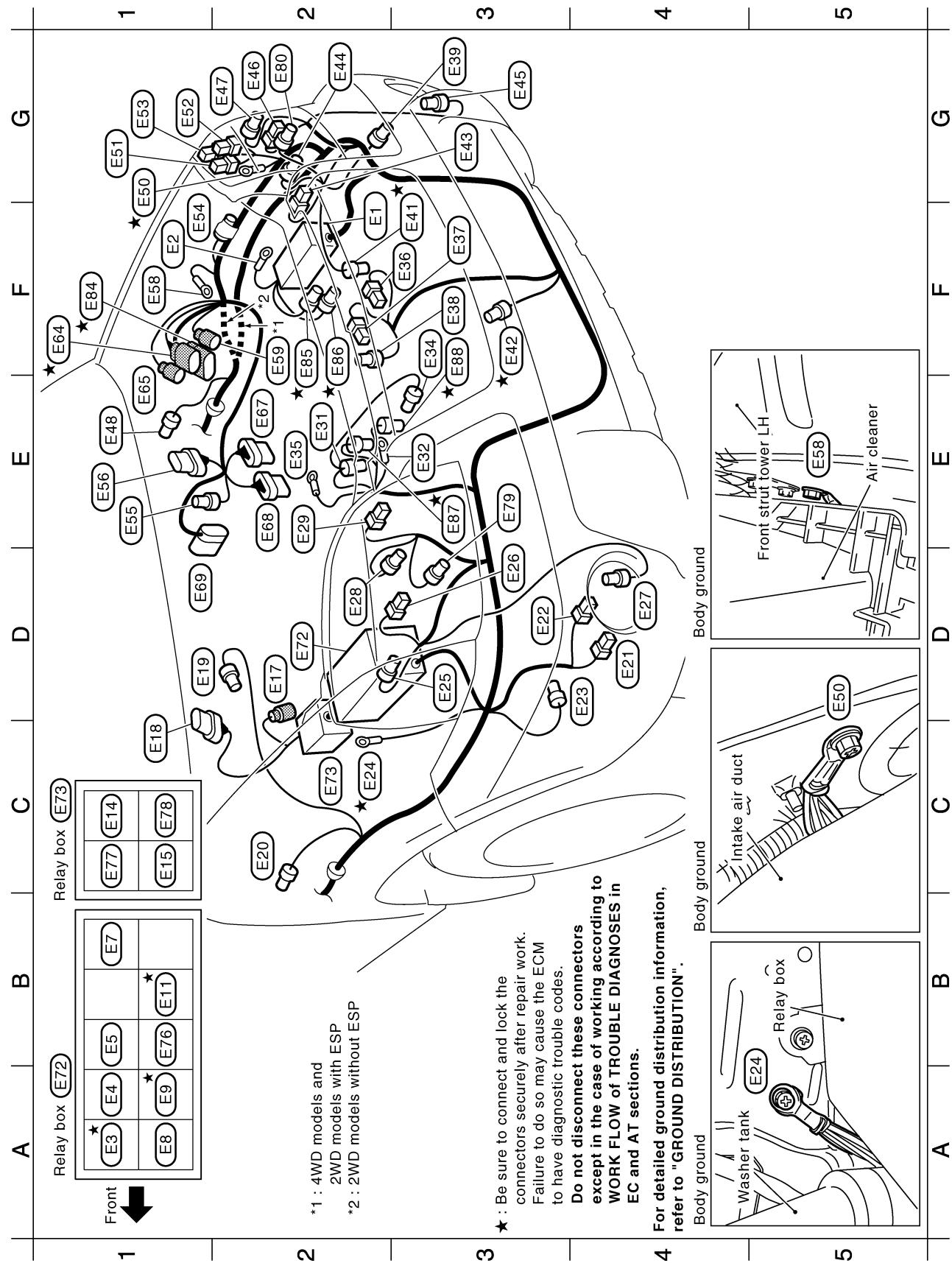
## Passenger Compartment for Gasoline Engine Models



- ★ 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 see**

## Harness

## Engine Compartment for Diesel Engine Models



# HARNESS

F2	—	Fuse and Fusible link box	G2	GY/2 : Front turn signal lamp LH
F1	—	Battery (+)	E1	BR/2 : Side turn signal lamp LH
A1	★ E3	BR/6 : Cooling fan relay-1	G1	— : Body ground
A1	E4	W/3 : Horn relay	G1	W/1 : Glow relay
B1	E5	L/4 : Air conditioner relay	G1	GY/2 : Option connector for hood switch
B1	E7	L/4 : Front fog lamp relay	E1	E52 : ESP relay box (With ESP)
A1	E8	BR/6 : Headlamp washer timer	E1	E53 : ESP relay box (With ESP)
A1	★ E9	BR/6 : Cooling fan relay-2	F1	E54 : ESP relay box (With ESP)
B1	★ E11	BR/6 : Cooling fan relay-3	E1	E55 : ESP relay box (With ESP)
C1	E14	L/4 : Driving lamp relay-1	E1	E56 : ESP relay box (With ESP)
C1	E15	L/4 : Rear fog lamp relay	F1	E58 : — : Body ground
D2	E17	GY/2 : Front wheel sensor RH	F2	E59 : L/2 : Front wheel sensor LH
C1	E18	GY/15 : Front wiper motor	F1	★ E64 : DGY/8 : To F5
D1	E19	GY/2 : Brake fluid level switch	E1	E65 : B/2 : To F6
C2	E20	BR/2 : Side turn signal lamp RH	E2	E67 : DGY/8 : ESP actuator (With ESP)
D4	E21	W/2 : Front washer pump	E2	E68 : SB/8 : ESP actuator (With ESP)
D3	E22	G/2 : Rear washer pump	D1	E69 : SMJ : ABS actuator and electric unit (Without ESP)
D4	E23	GY/2 : Headlamp washer pump	A1, D2	E72 : — : Relay box
C2	★ E24	— : Body ground	C1, C2	E73 : — : Relay box
D3	E25	GY/2 : Front turn signal lamp RH	B1	E76 : — : Fuse block (With xenon headlamp)
D3	E26	B/3 : Headlamp RH (Without xenon headlamp)	C1	E77 : L/4 : HID relay LH (With xenon headlamp)
D4	E27	-/2 : Front fog lamp RH	C1	E78 : L/4 : HID relay RH (With xenon headlamp)
D2	E28	B/3 : Headlamp aiming motor RH	E3	E79 : DGY/4 : Headlamp RH (With xenon headlamp)
E2	E29	B/2 : Parking lamp RH	G2	E80 : DGY/4 : Headlamp LH (With xenon headlamp)
E2	E31	GY/2 : Alternator	F1	★ E84 : GY/10 : To F5
E3	E32	— : Alternator	F2	★ E85 : B/2 : Engine room air temperature sensor (With DPF)
F3	E34	B/1 : Compressor	F2	★ E86 : -/3 : Differential exhaust pressure sensor (With DPF)
E2	E35	— : Glow plug	E3	★ E87 : -/2 : Front exhaust gas temperature sensor (With DPF)
F3	E36	B/1 : Horn high	F3	★ E88 : -/2 : Rear exhaust gas temperature sensor
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)		

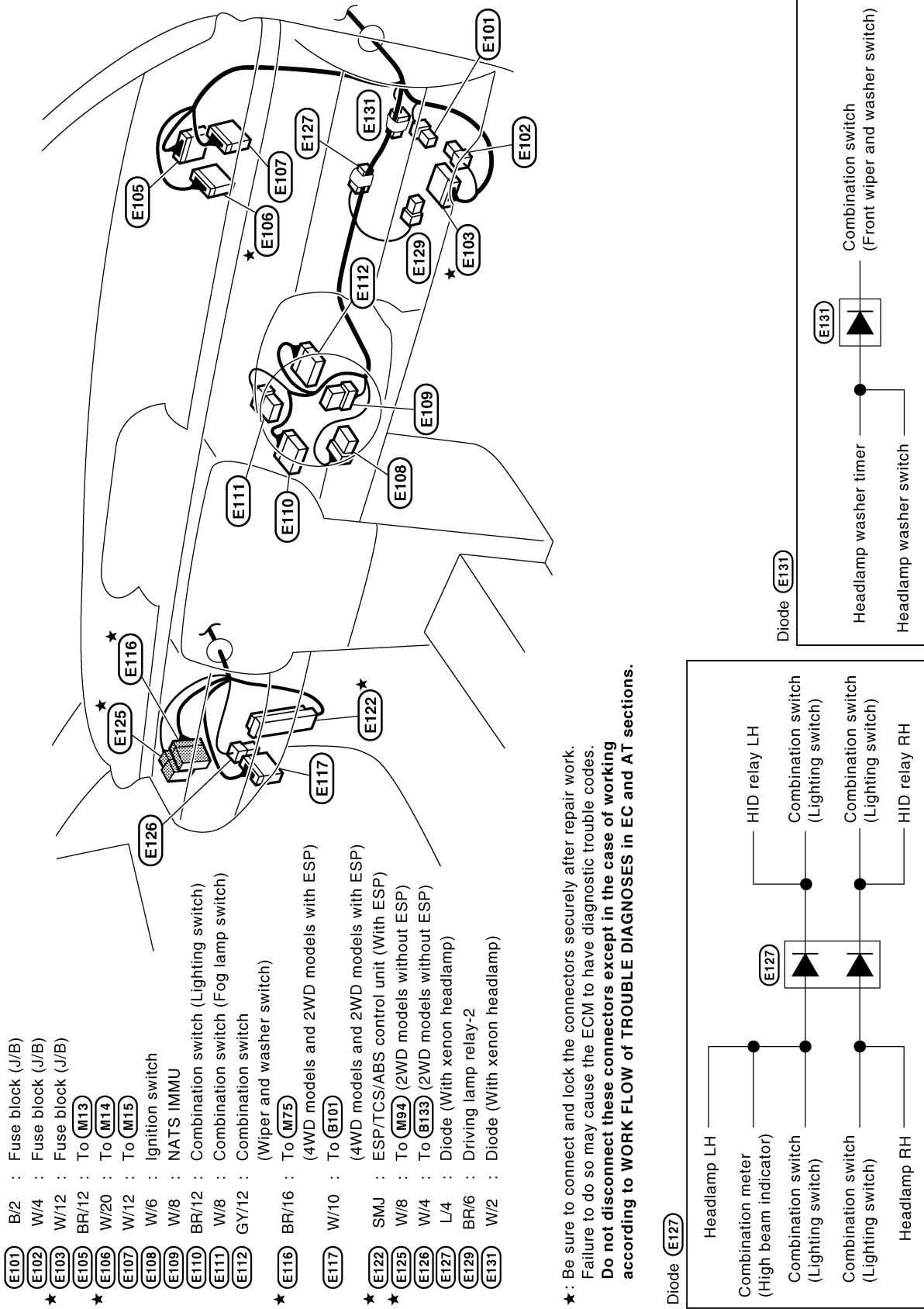
★ : Be sure to connect and lock the connectors securely after repair work.

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 for Diesel Engine Models



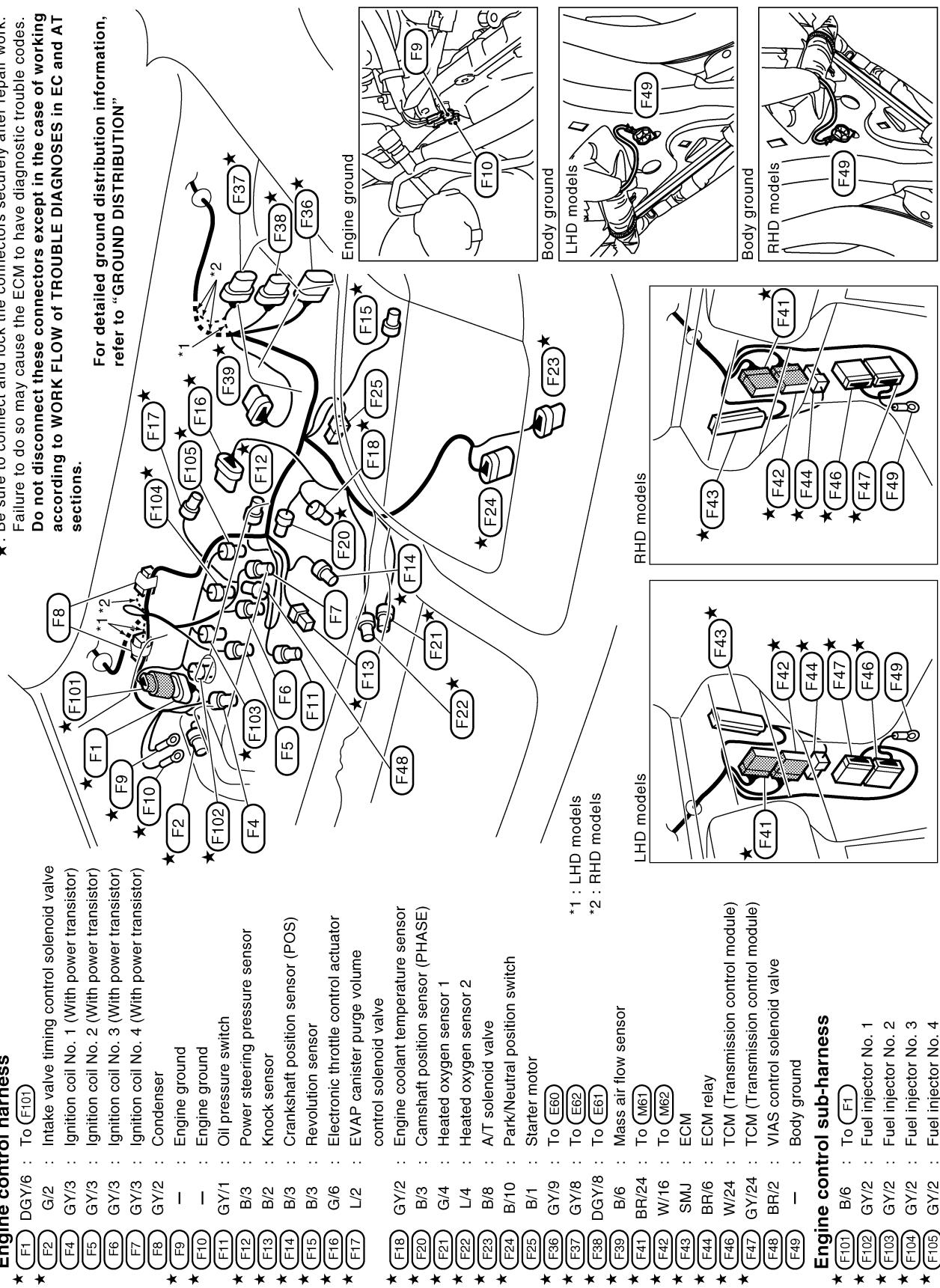
★ : Be sure to connect and lock the connectors securely after repair work.  
Failure to do so may cause the ECM to have diagnostic trouble codes.  
Do not disconnect these connectors except in the case of working  
according to WORK FLOW of TROUBLE DIAGNOSES in EC and AT sections.

# HARNESS

## 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"



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

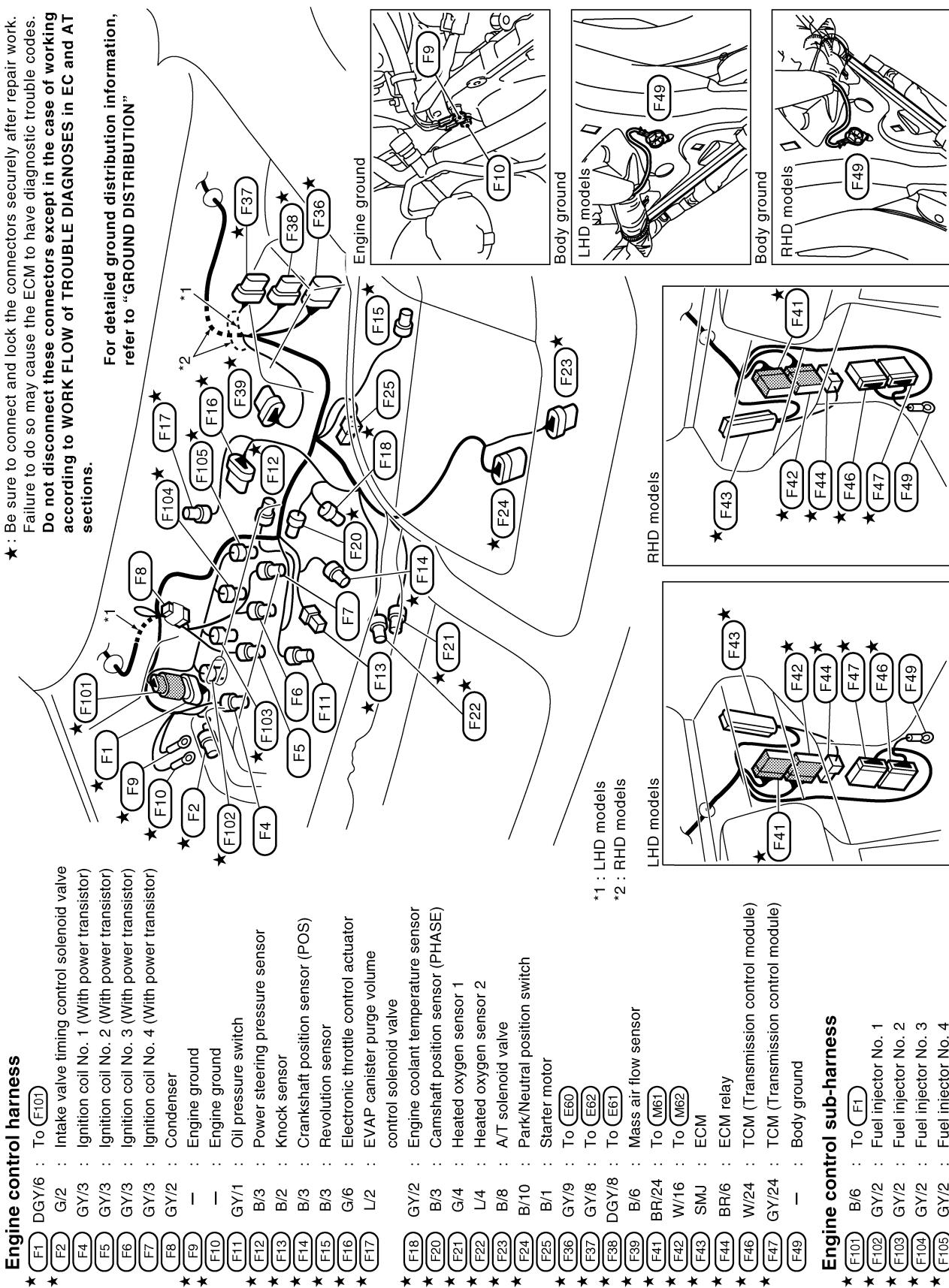


# HARNESS

## 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"



### Engine control harness

★ F1	DGY/6	To (F101)
★ F2	GY/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)
★ 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 (F60)
★ F37	GY/8	To (F62)
★ F38	DGY/8	To (F61)
★ 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	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

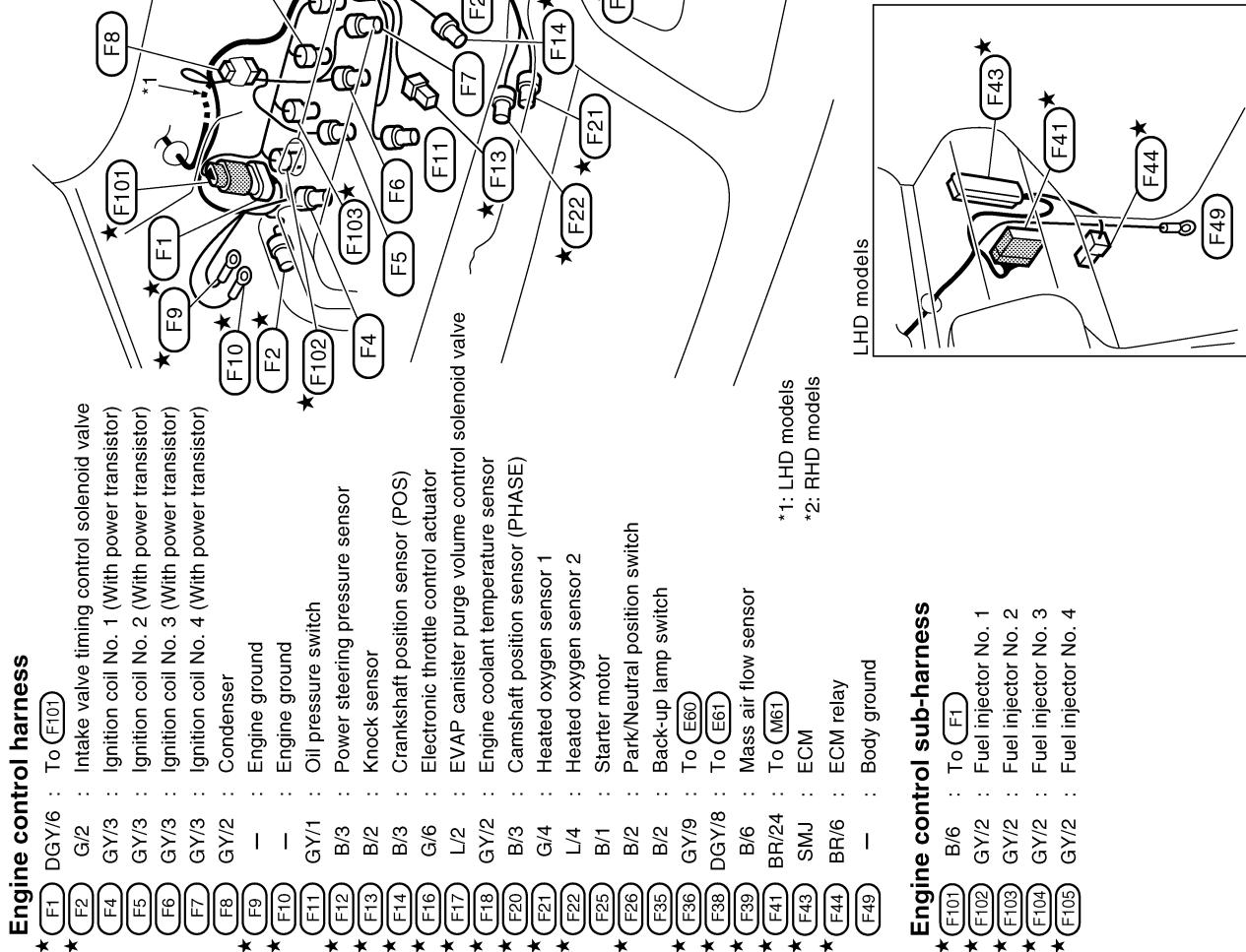
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# HARNESS

## QR20 Engine Models with M/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 sub-harness

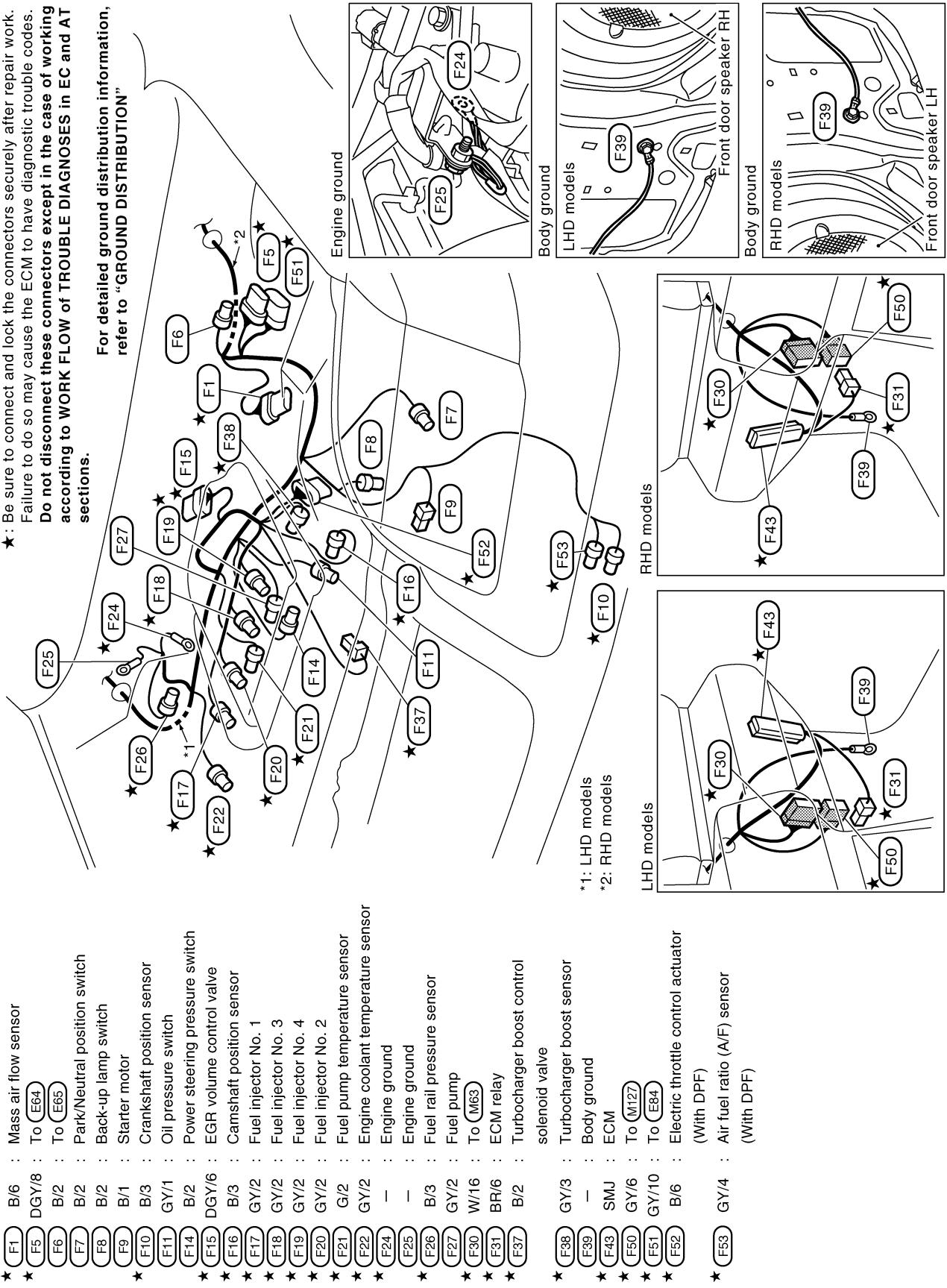
★ F101	B/6	: To (F1)
★ F102	GY/2	: Fuel injector No. 1
★ F103	GY/2	: Fuel injector No. 2
★ F104	GY/2	: Fuel injector No. 3
★ F105	GY/2	: Fuel injector No. 4

# HARNESS

## 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"



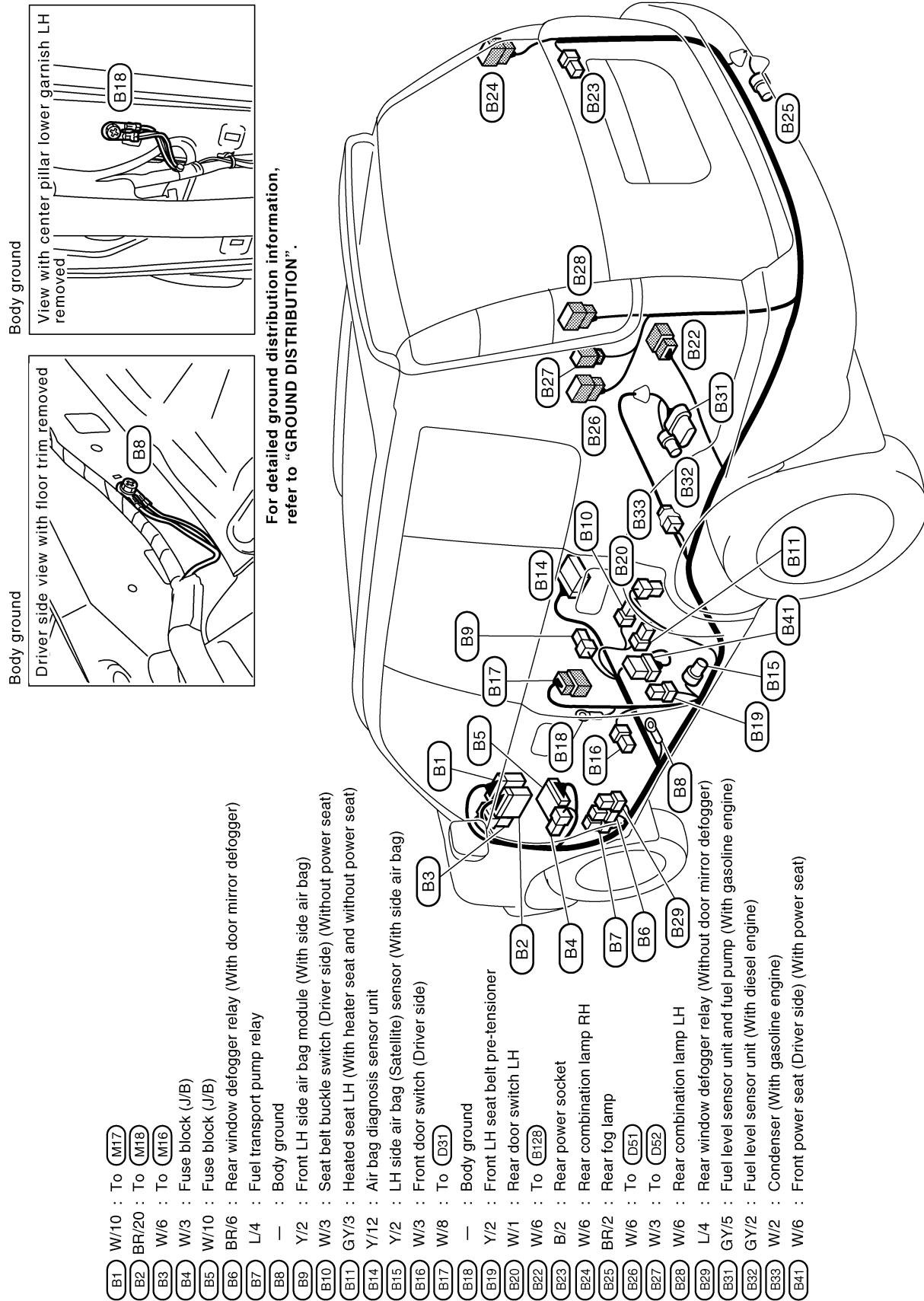
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A B C D E F G H I M

PG

# HARNESS

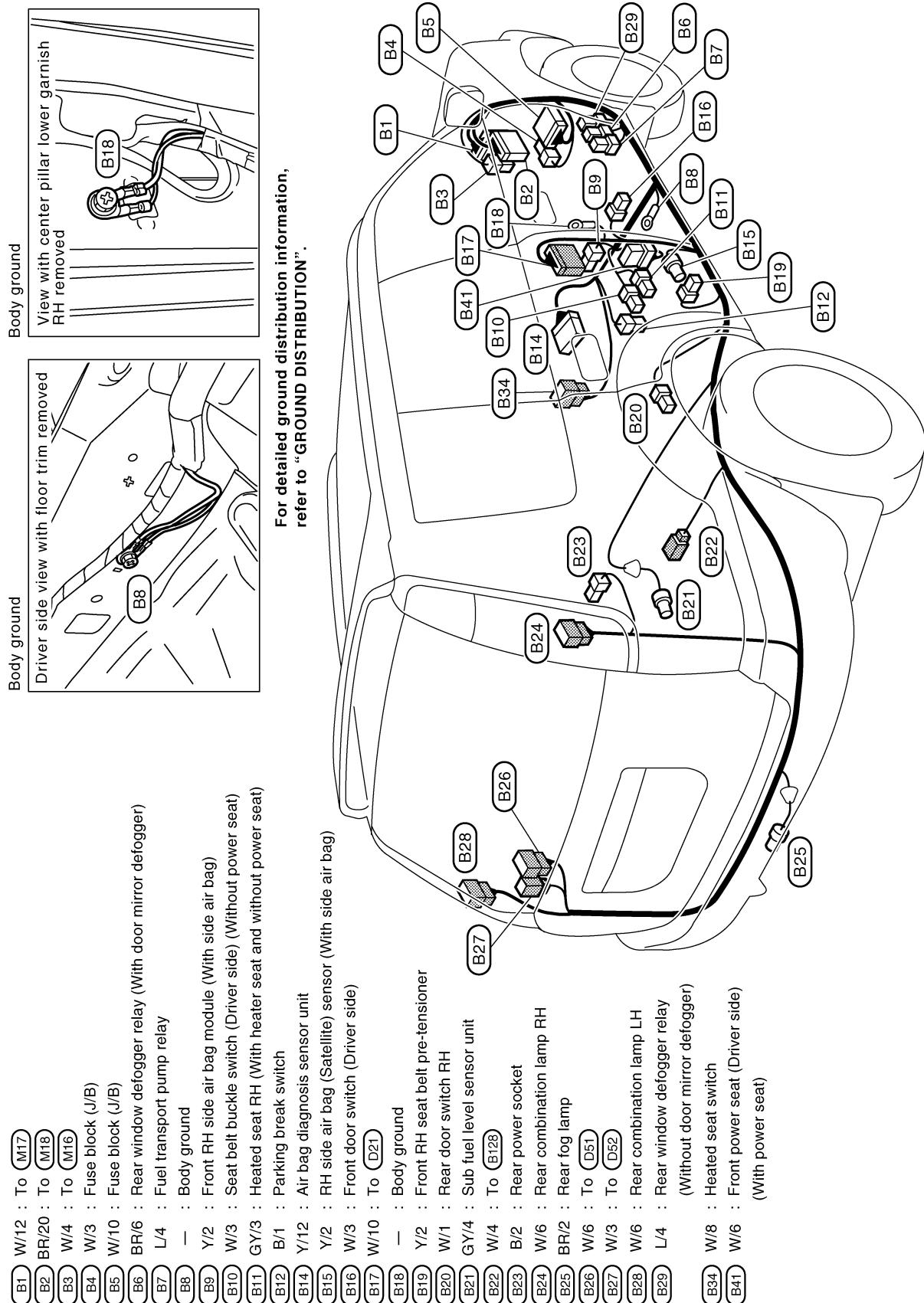
## BODY HARNESS/LHD MODELS



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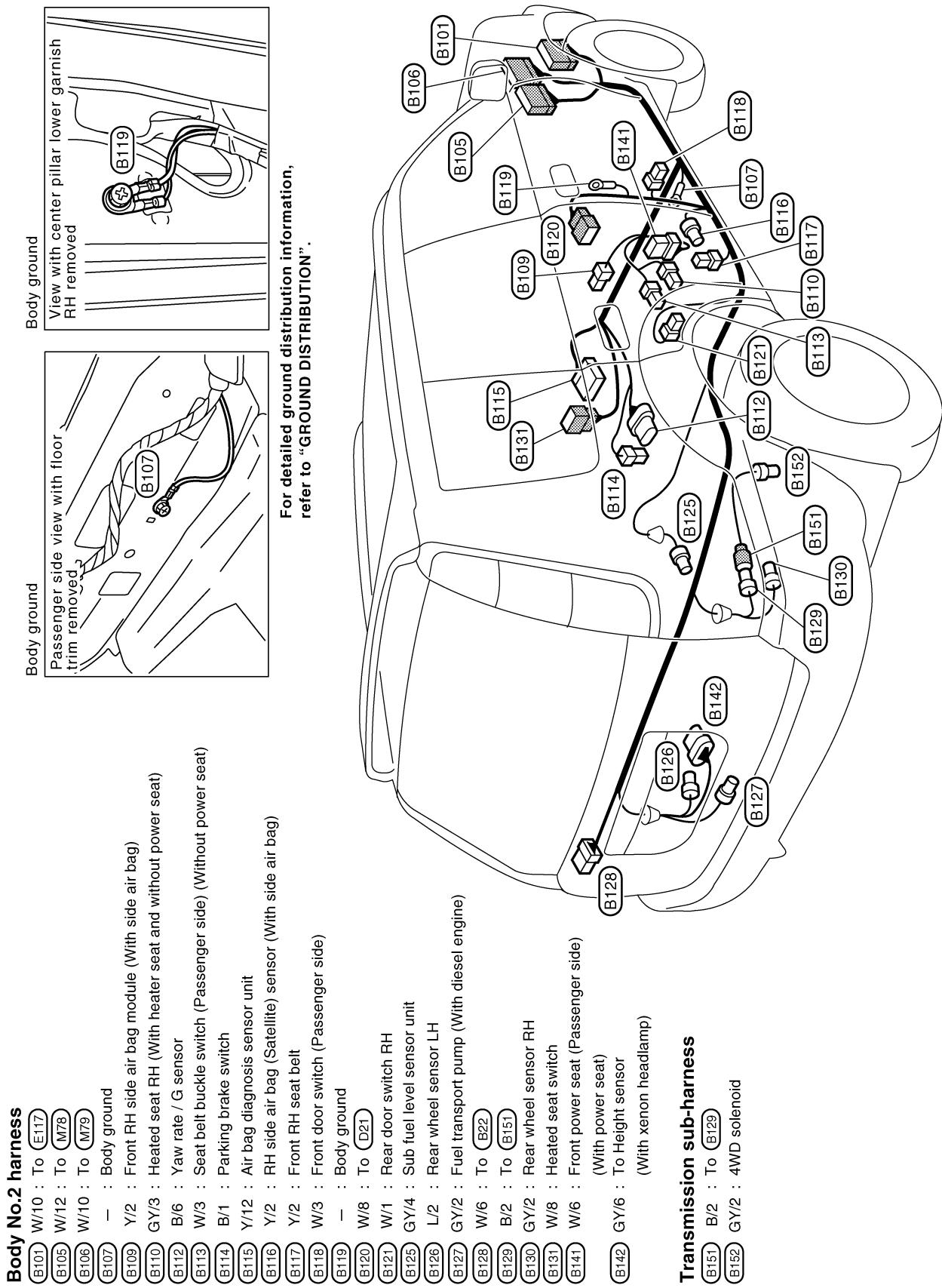
# HARNESS

## BODY HARNESS/RHD MODELS



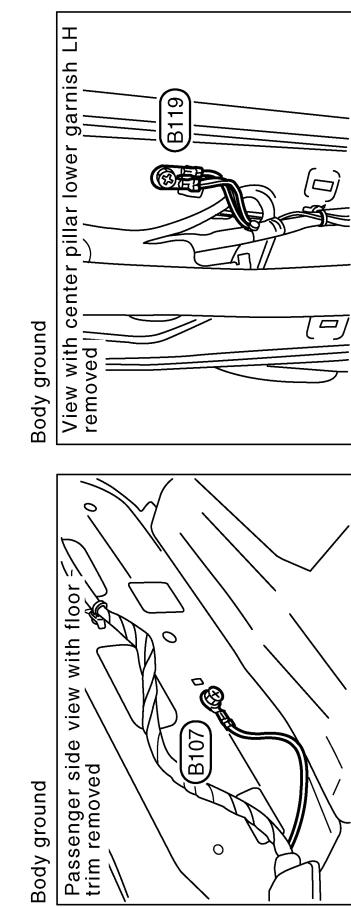
# HARNESS

## BODY NO. 2 HARNESS/LHD MODELS



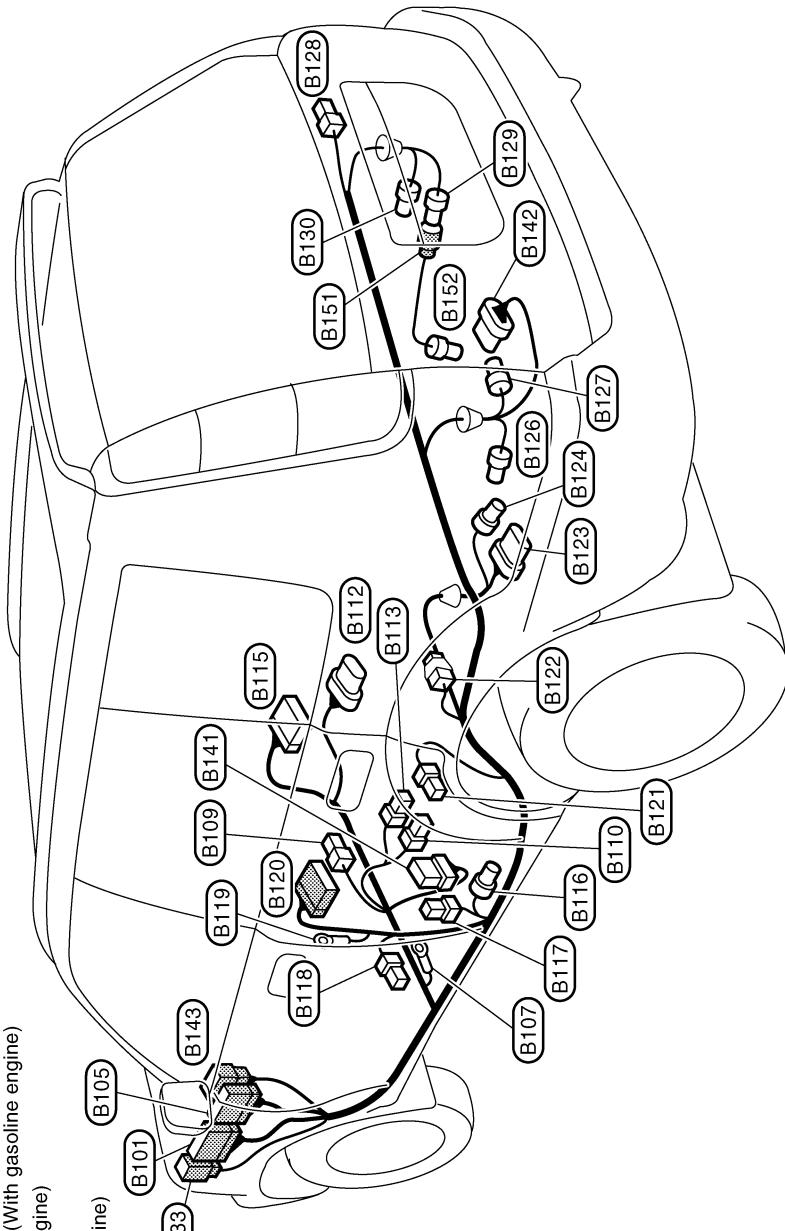
# HARNESS

## BODY NO. 2 HARNESS/RHD MODELS



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

(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 gasoline 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)



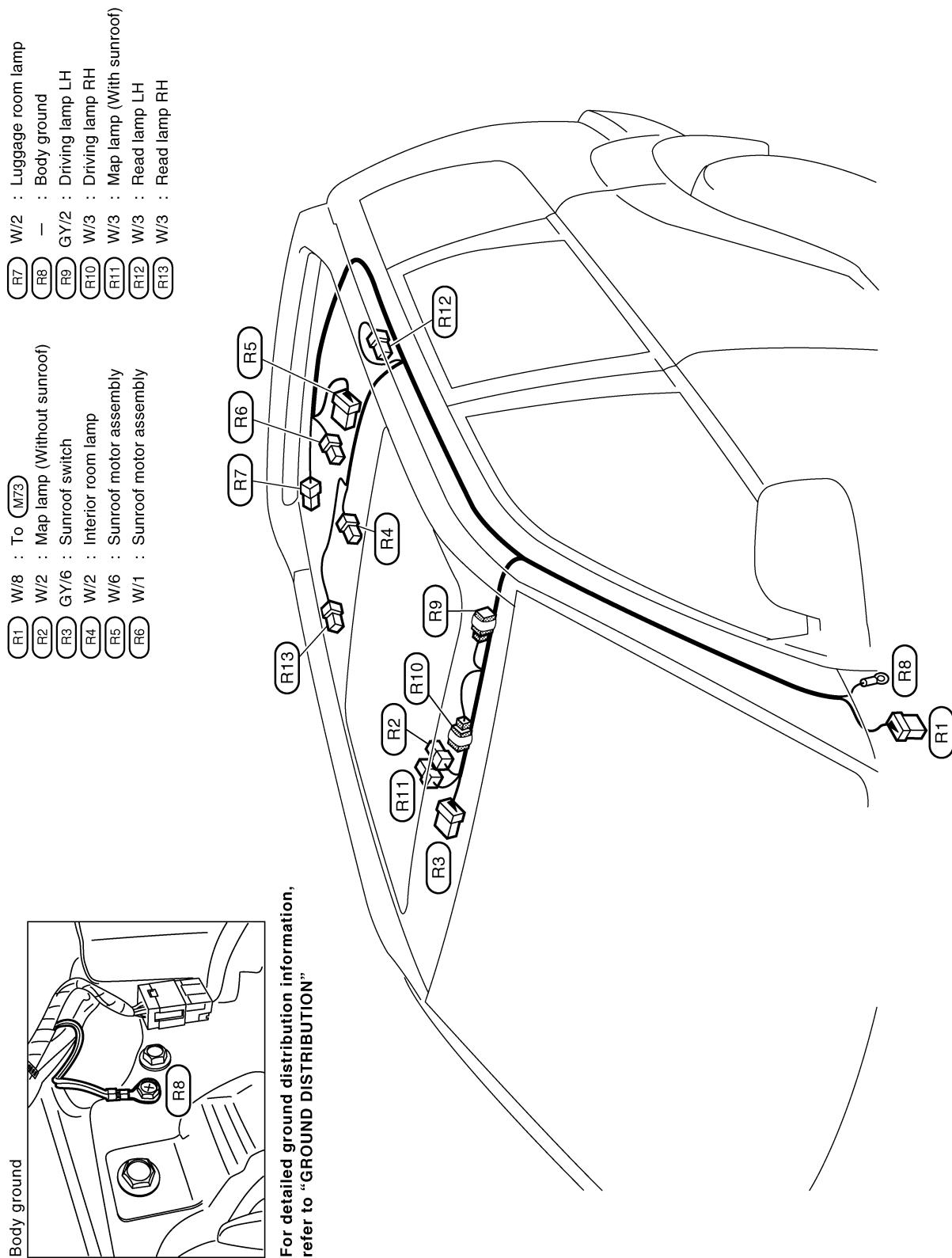
### Transmission sub-harness

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

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# HARNESS

## ROOM LAMP HARNESS

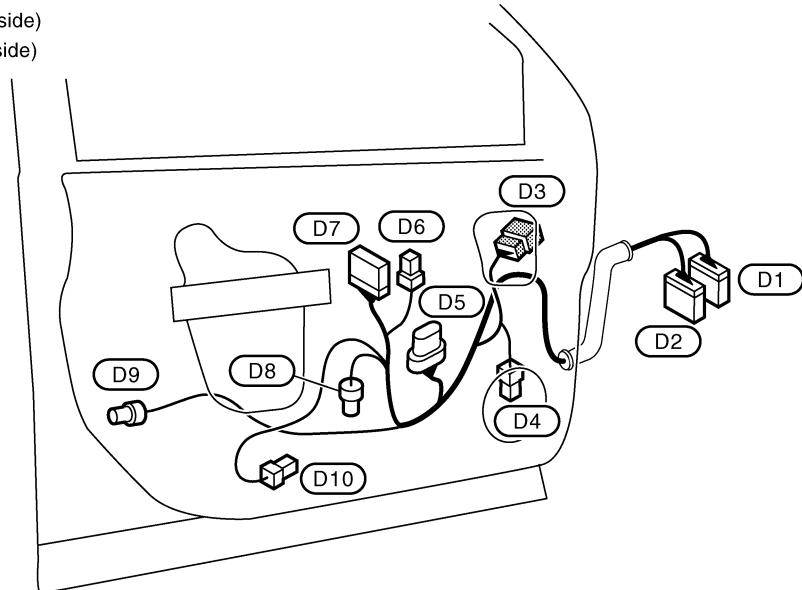


# HARNESS

## FRONT DOOR HARNESS/LHD MODELS

### LH Side

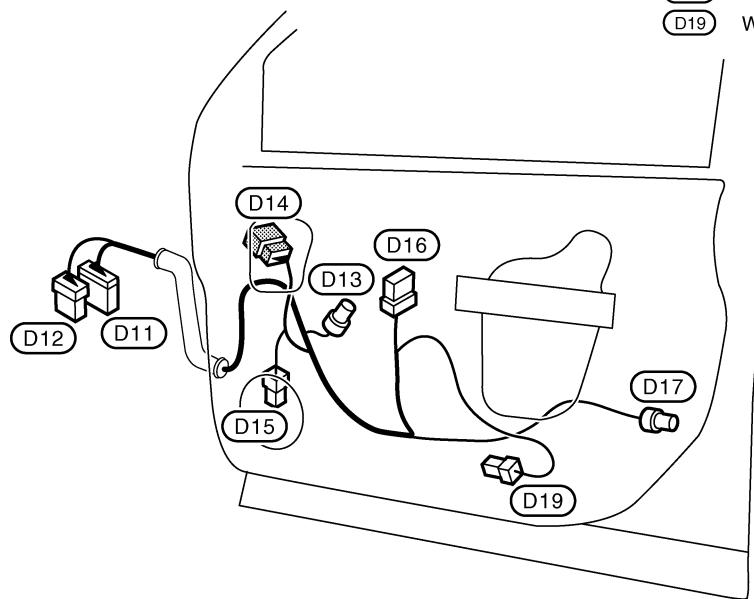
- (D1) W/16 : To M21
- (D2) BR/12 : To M22
- (D3) W/8 : Door mirror actuator (Driver side)
- (D4) W/2 : Front door speaker LH
- (D5) GY/6 : Front power window motor (Driver side)
- (D6) W/3 : Power window main switch
- (D7) W/16 : Power window main switch
- (D8) BR/3 : Door key cylinder switch (Driver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



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### 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)



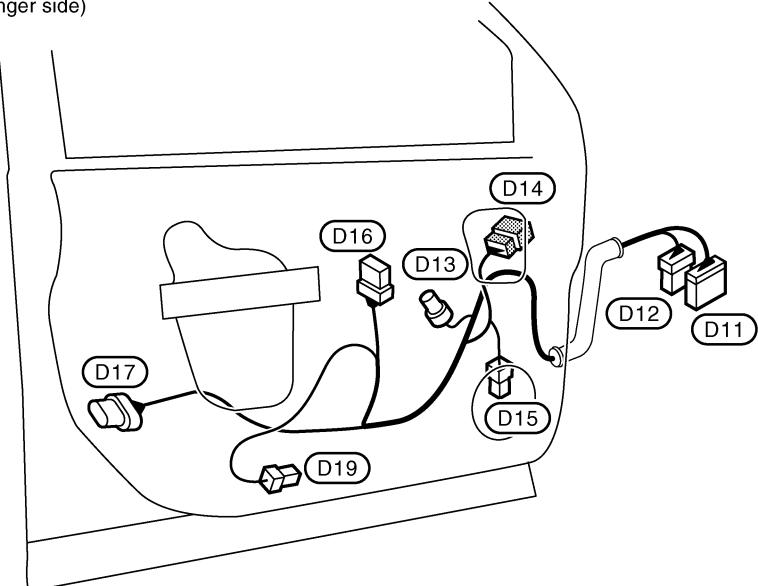
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# HARNESS

## FRONT DOOR HARNESS/RHD MODELS

### LH Side

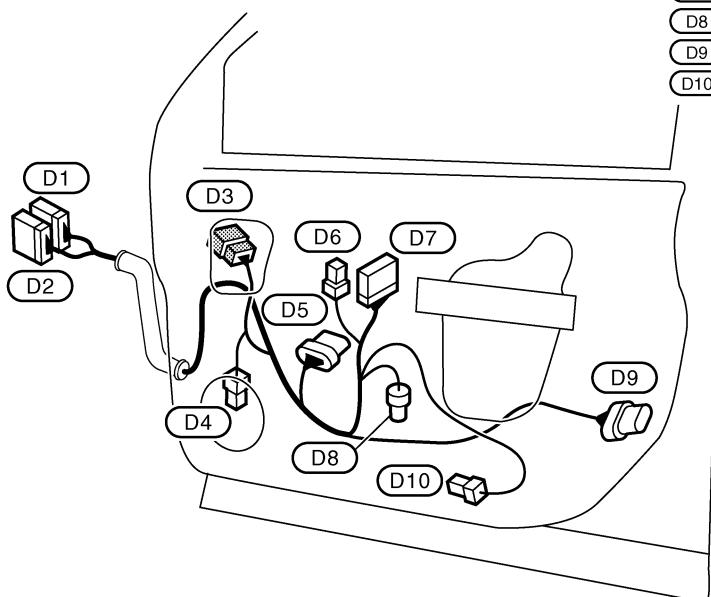
- (D11) W/12 : To **M77**
- (D12) BR/8 : To **M76**
- (D13) BR/2 : Front power window motor (Passenger side)
- (D14) W/8 : Door mirror actuator (Passenger side)
- (D15) W/2 : Front door speaker LH
- (D16) W/8 : Front power window switch (Passenger side)
- (D17) B/6 : Front door lock actuator (Passenger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



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### 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)



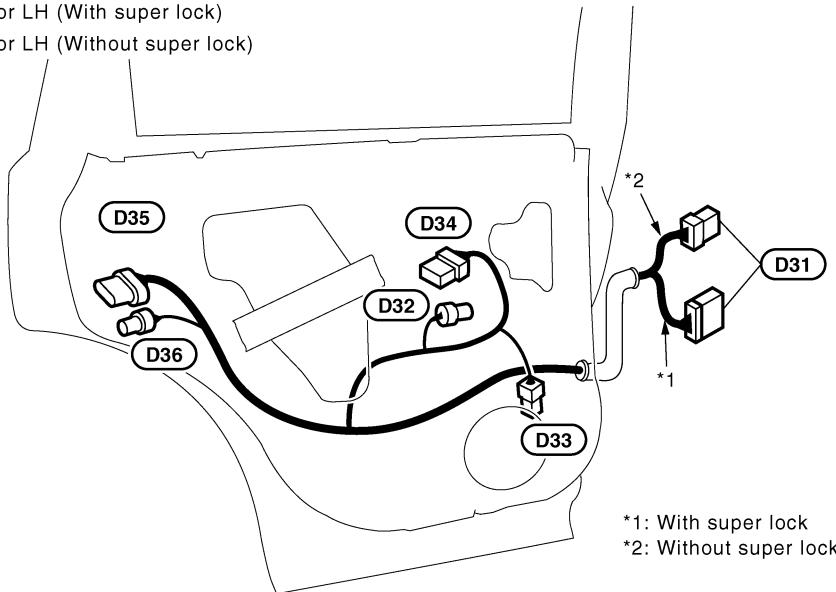
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# HARNESS

## 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)

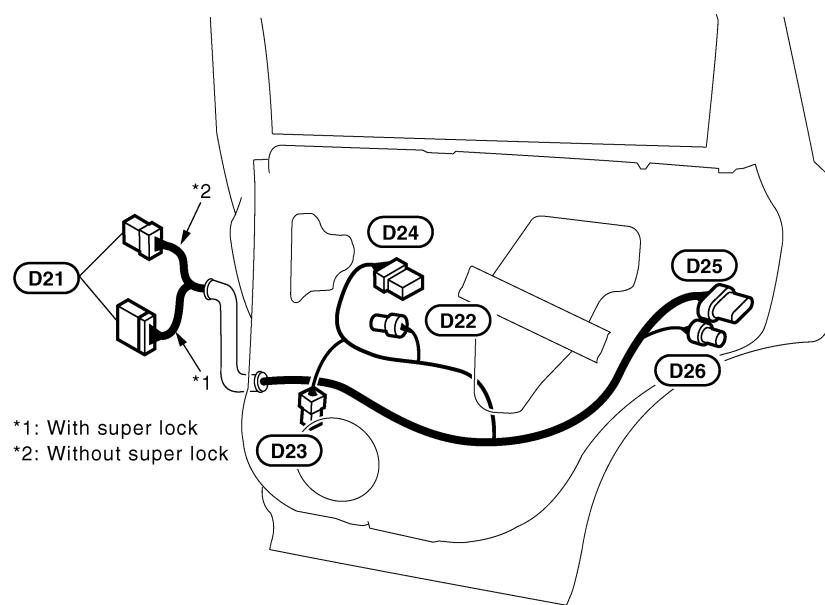


\*1: With super lock  
\*2: Without super lock

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)

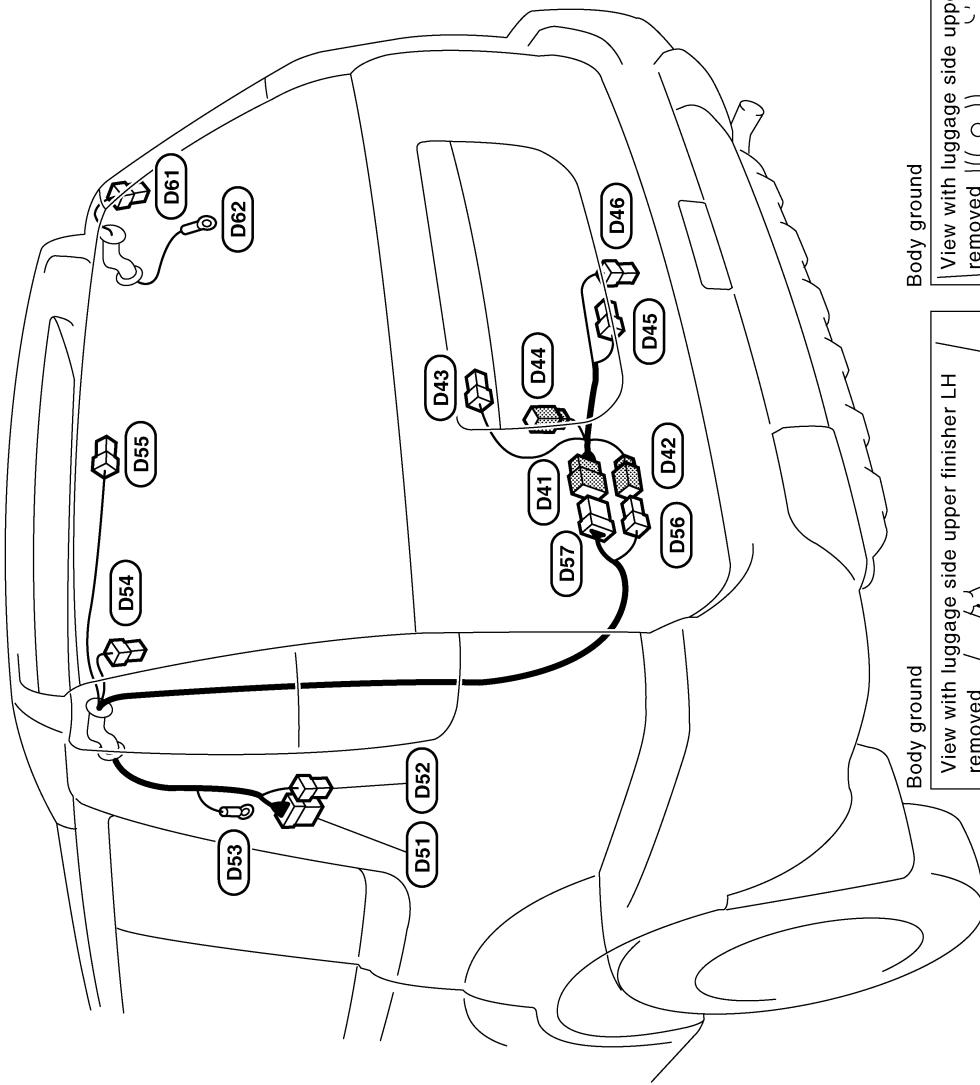


\*1: With super lock  
\*2: Without super lock

TKIA0161E

# HARNESS

## BACK DOOR HARNESS



### Back door harness

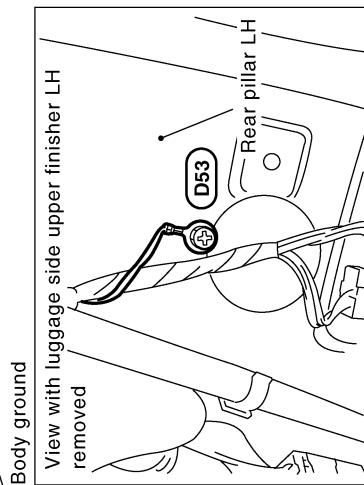
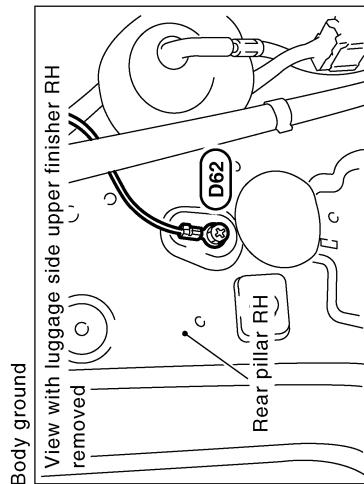
- (D41) W/6 : To (D57)
- (D42) B/2 : To (D56)
- (D43) W/4 : Rear wiper motor
- (D44) W/2 : License lamp
- (D45) W/3 : Back door switch
- (D46) W/4 : Back door lock actuator

### 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
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
OVRC SV	AT	Overrun Clutch Solenoid Valve
P/SCKT	WW	Power Socket
PGC/V	EC	EVAP Canister Purge Volume Control Solenoid Valve
PHASE	EC	Camshaft Position Sensor (PHASE)
PHONE	AV	Telephone (Pre-wire)
PNP/SW	AT	Park/Neutral Position Switch
PNP/SW	EC	Park/Neutral Position Switch
PNPSW1	EC	Park/Neutral Position Switch
POS	EC	Crankshaft Position Sensor (CKPS) (POS)
POWER	PG	Power Supply Routing
PRGV LV	EC	EVAP Canister Purge Volume Control Solenoid Valve
PRWIRE	BL	Theft Warning System (Pre-wire)
PS/SEN	EC	Power Steering Pressure Sensor
PST/SW	EC	Power Steering Oil Pressure Switch
R/FOG	LT	Rear Fog Lamp
REGTS	EC	Rear Exhaust Gas Temperature Sensor
ROOM/L	LT	Interior Room Lamp
RP/SEN	EC	Refrigerant Pressure Sensor
RRO2	EC	Rear Heated Oxygen Sensor
RRO2/H	EC	Rear Heated Oxygen Sensor Heater
S/LOCK	BL	Power Door Lock - Super Lock
S/SIG	EC	Start Signal
S/WARN	SB	Seat Belt Warning System
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

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# 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

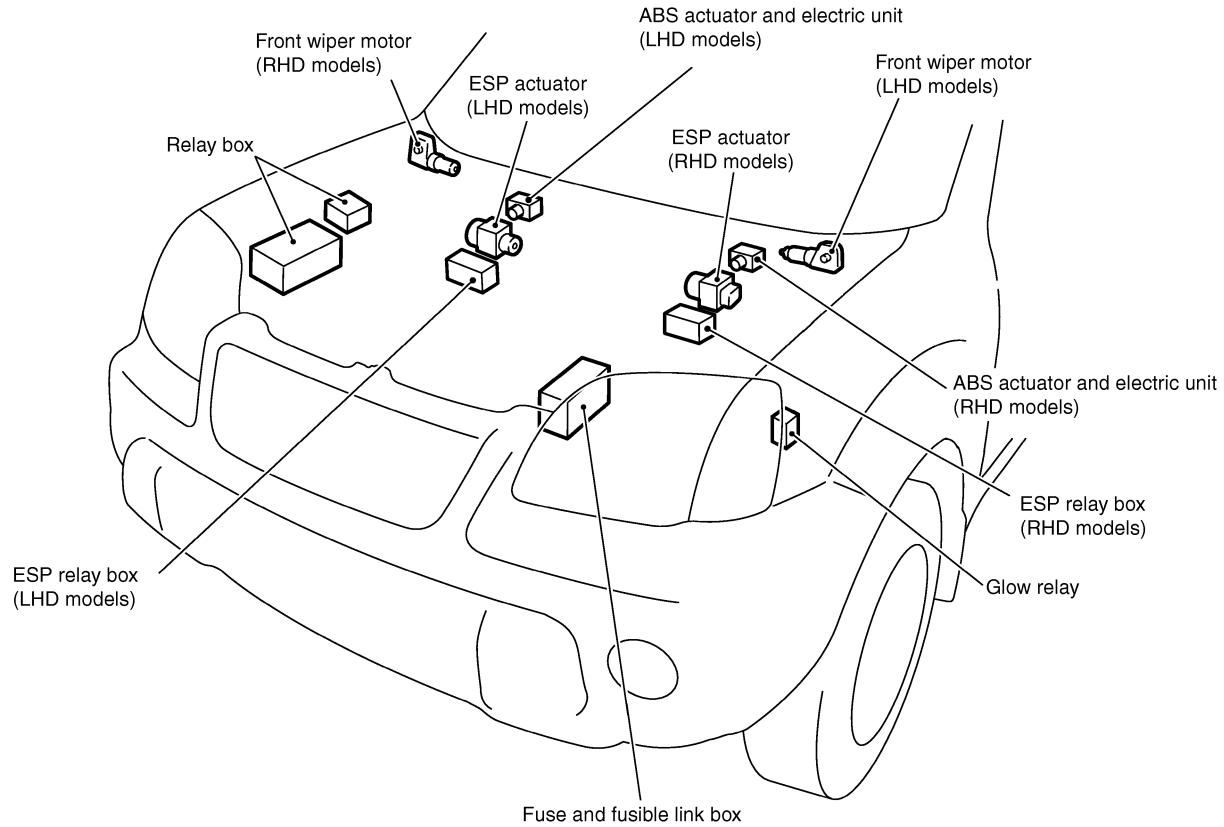
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## ELECTRICAL UNITS LOCATION

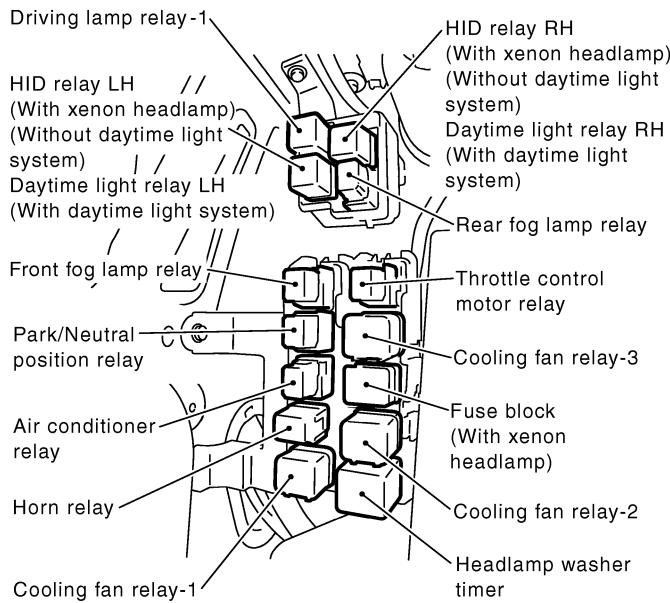
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### Electrical Units Location ENGINE COMPARTMENT

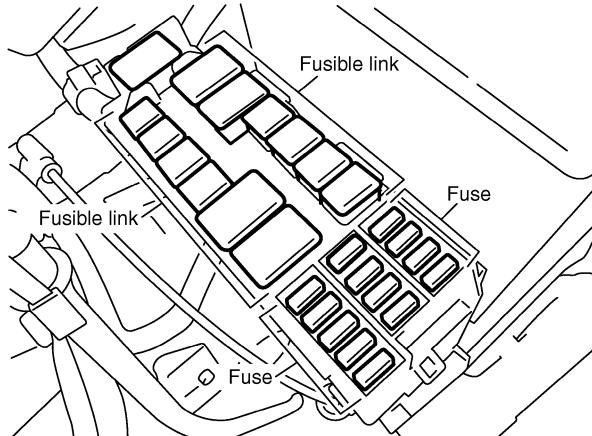
BKS000S5



#### Relay box



#### Fuse and fusible link box



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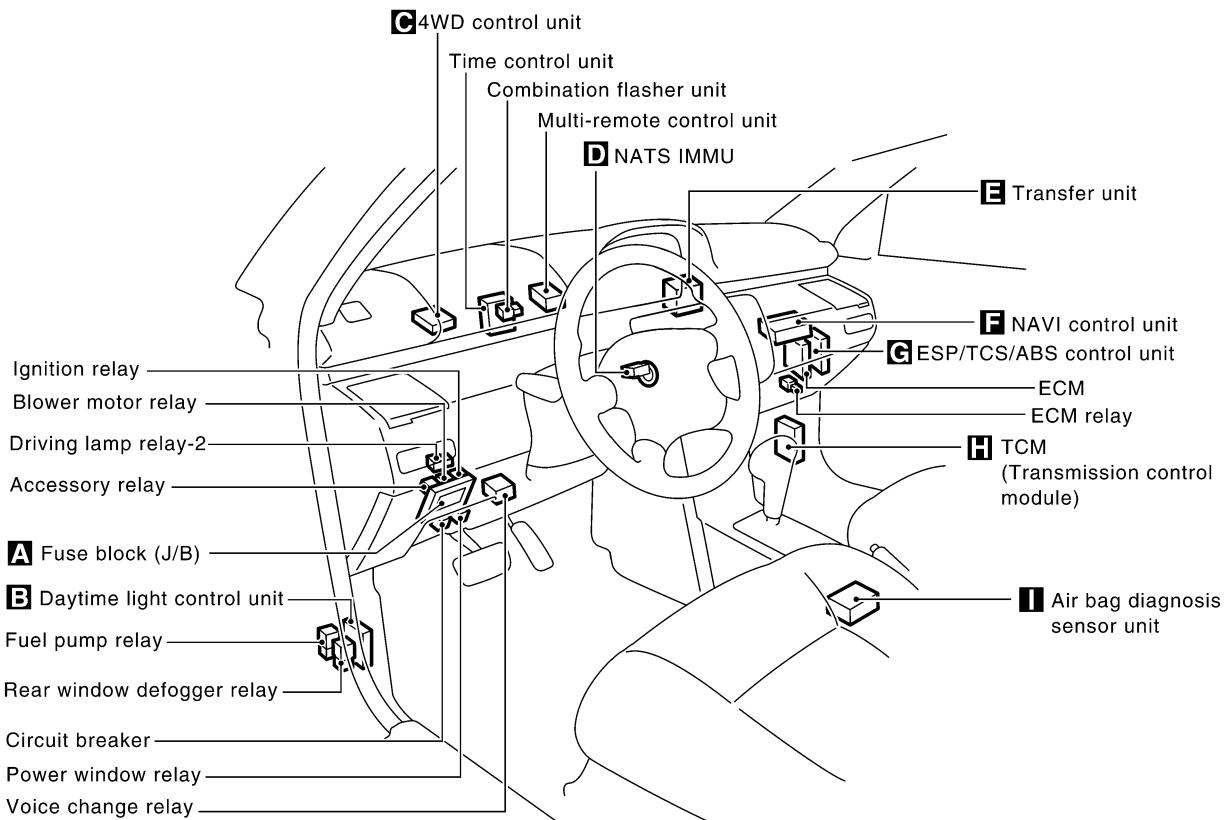
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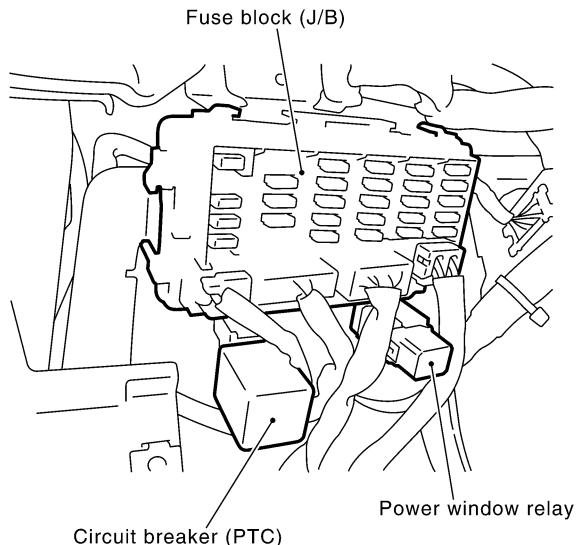
CKIB0114E

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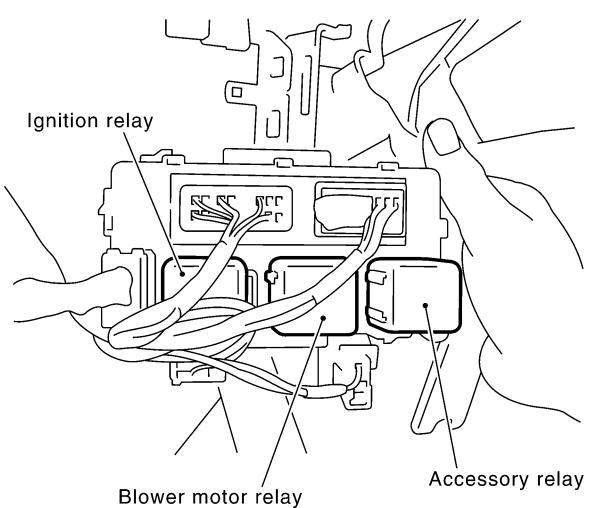
## PASSENGER COMPARTMENT/LHD MODELS



**A** Instrument panel LH

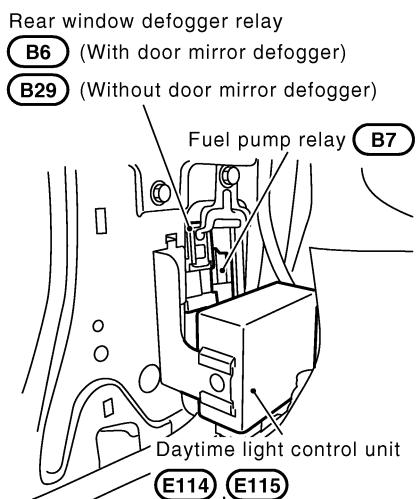


Back of the fuse block (J/B)

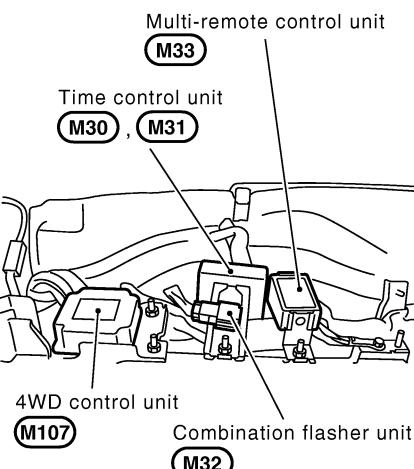


# ELECTRICAL UNITS LOCATION

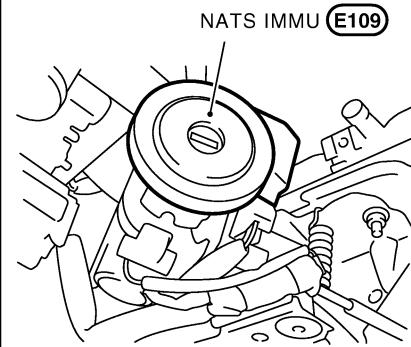
**B** Driver side view with dash side lower finisher removed



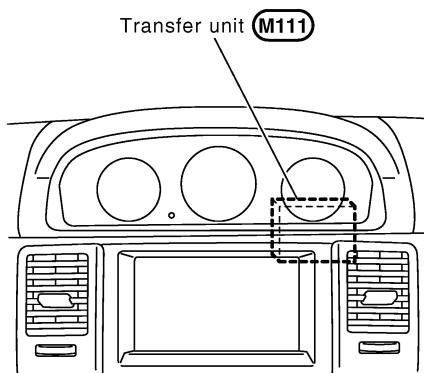
**C** Driver side view with upper instrument panel removed



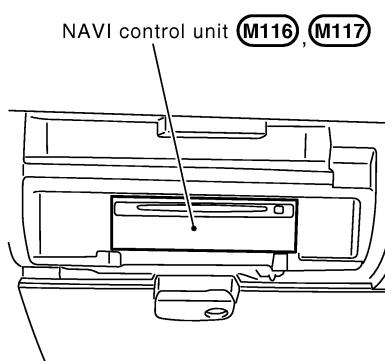
**D**



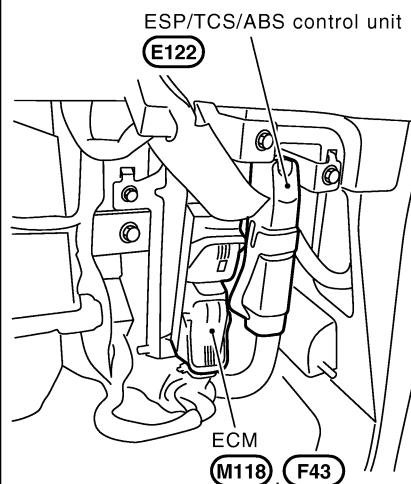
**E** View with instrument panel center



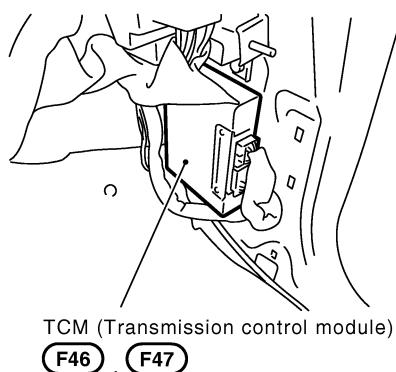
**F** Upper glove box



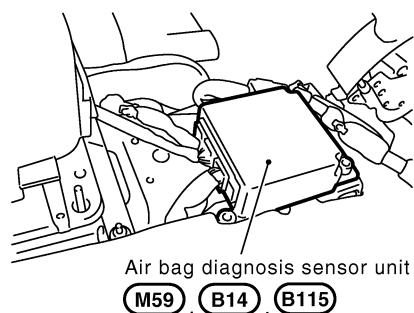
**G** Behind lower instrument panel on passenger side



**H** Passenger side view with dash side lower finisher removed



**I** Behind the console box assembly



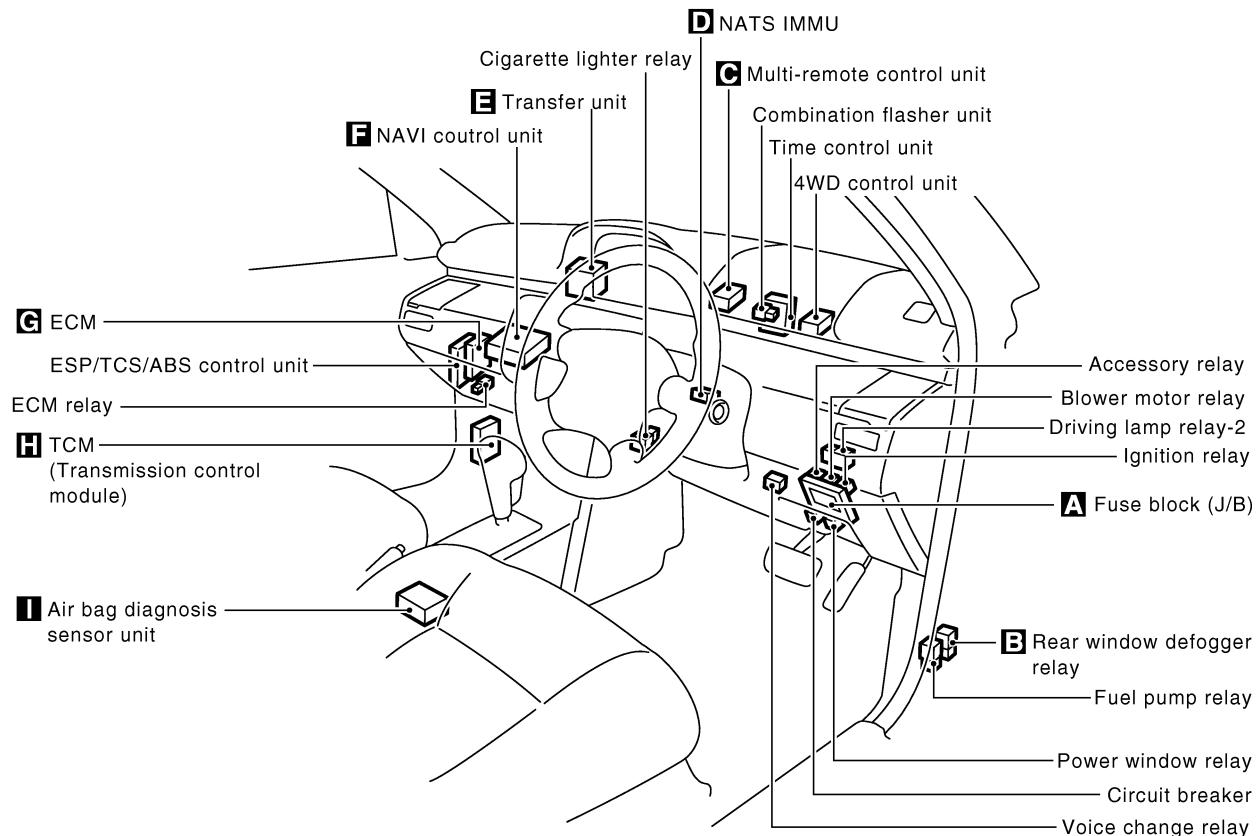
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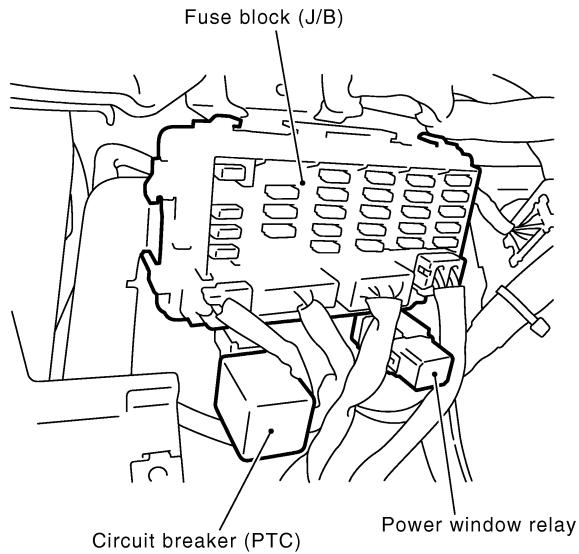
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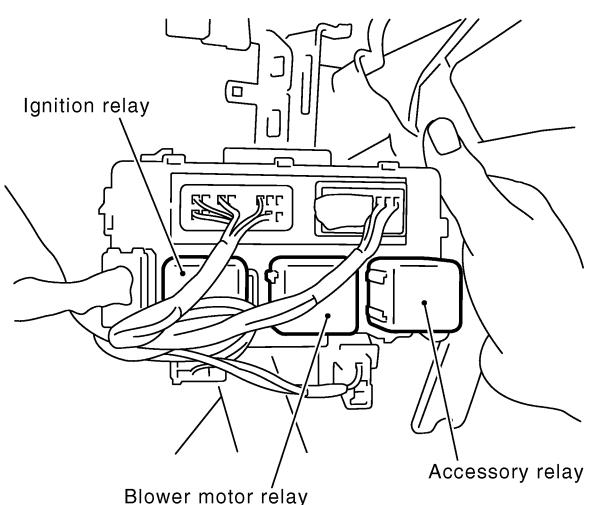
## PASSENGER COMPARTMENT/RHD MODELS



**A** Instrument panel RH

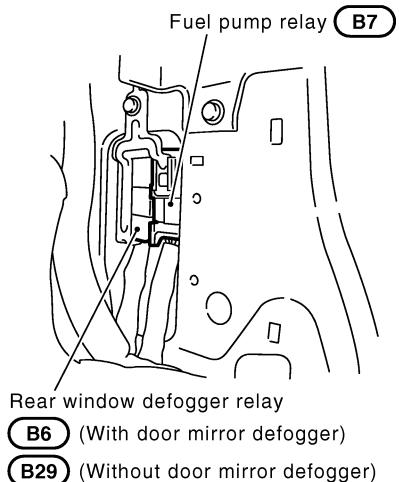


Back of the fuse block (J/B)

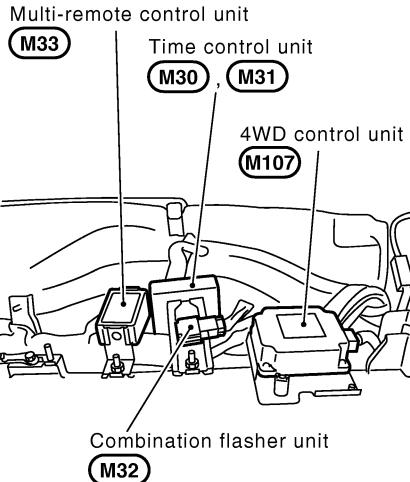


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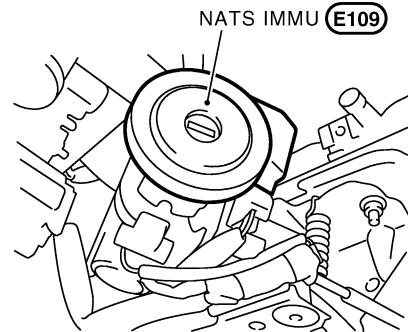
**B** Driver side view with dash side lower finisher removed



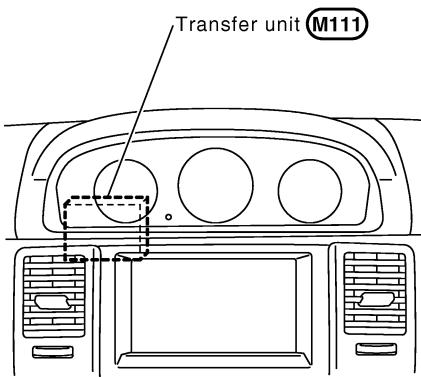
**C** Driver side view with upper instrument panel removed



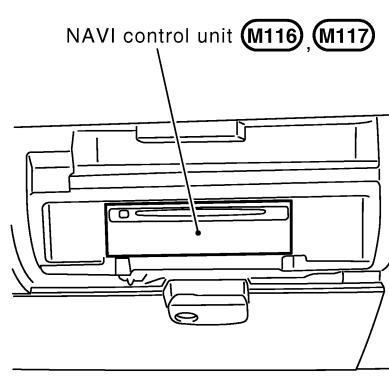
**D**



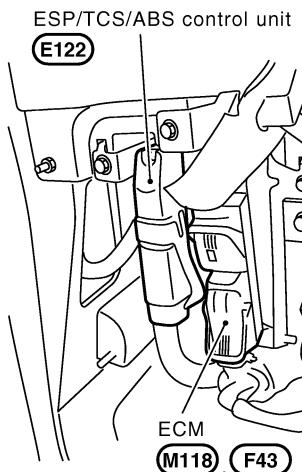
**E** View with instrument panel center



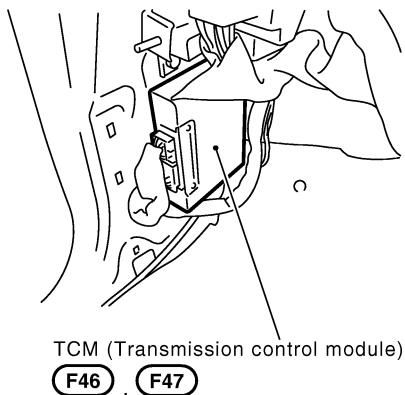
**F** Upper glove box



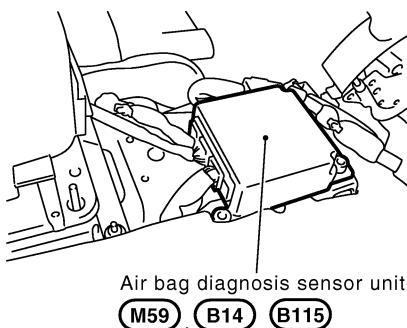
**G** Behind lower instrument panel on passenger side



**H** Passenger side view with dash side lower finisher removed



**I** Behind the console box assembly



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CKIB0118E

# HARNESS CONNECTOR

## HARNESS CONNECTOR

PFP:00011

### Description

BKS000S6

#### HARNESS CONNECTOR (TAB-LOCKING TYPE)

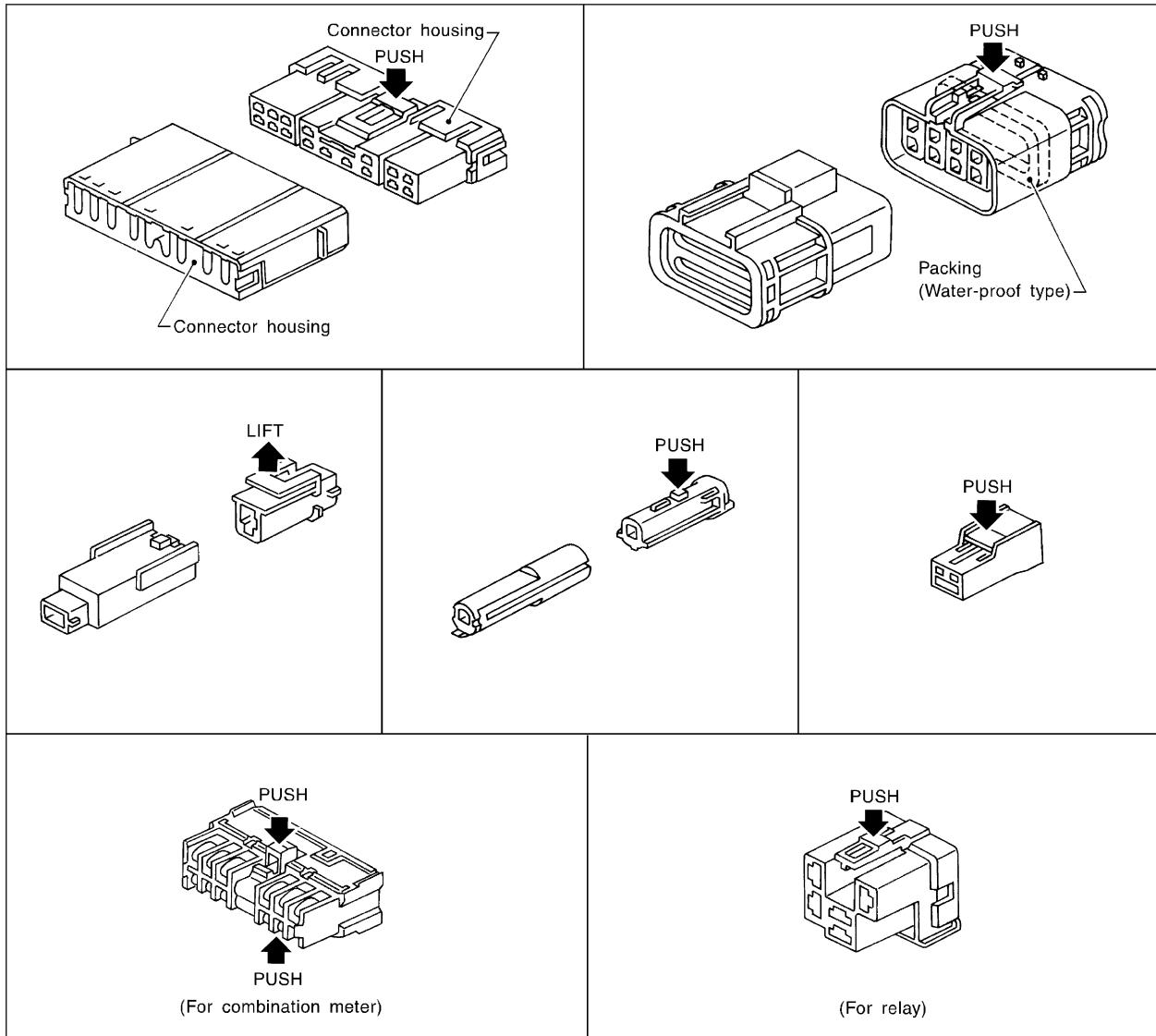
- The tab-locking type connectors help prevent accidental looseness or disconnection.
- The tab-locking type connectors are disconnected by pushing or lifting the locking tab(s). Refer to the figure below.

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

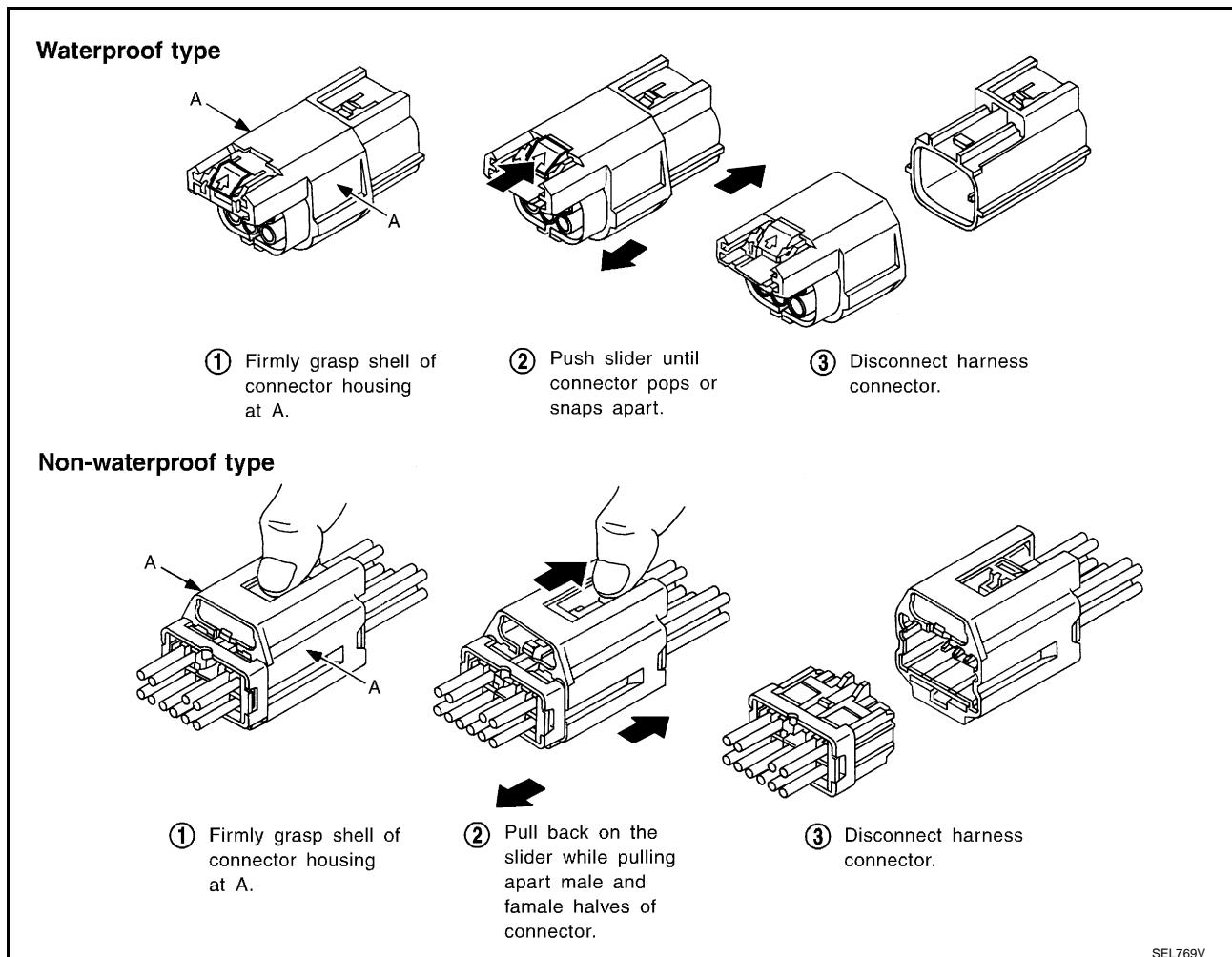
## HARNESS CONNECTOR (SLIDE-LOCKING TYPE)

- 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

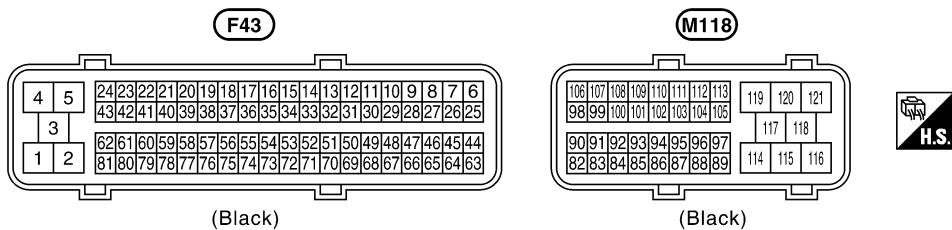
## ELECTRICAL UNITS

PFP:00011

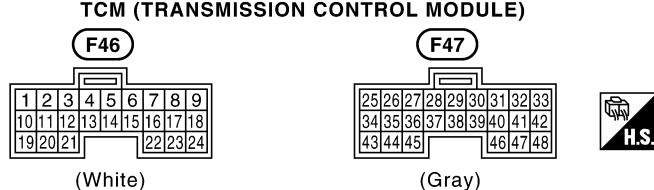
### Terminal Arrangement

BKS000S7

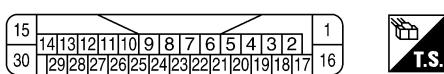
ECM



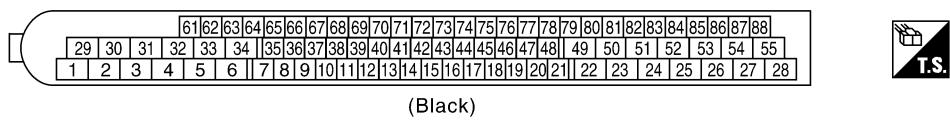
TCM (TRANSMISSION CONTROL MODULE)



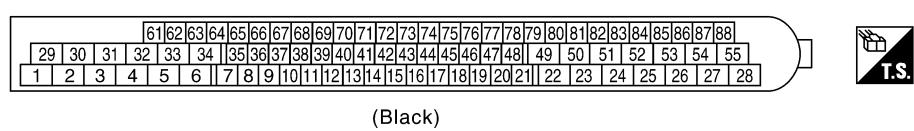
ABS ACTUATOR AND ELECTRIC UNIT



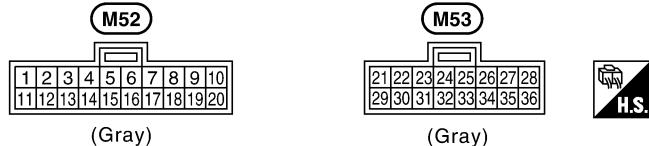
ESP/TCS/ABS CONTROL UNIT



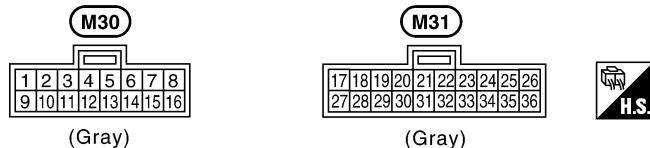
ESP/TCS/ABS CONTROL UNIT



A/C AUTO AMP.



TIME CONTROL UNIT



CKIA0382E

# STANDARDIZED RELAY

## STANDARDIZED RELAY

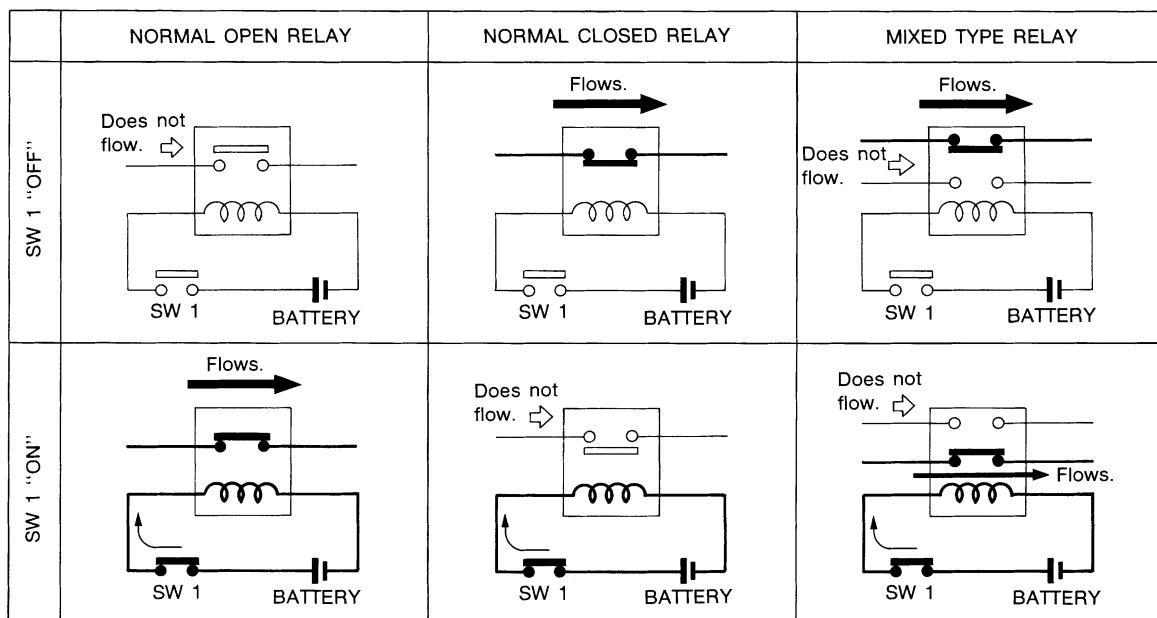
PFP:00011

### 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

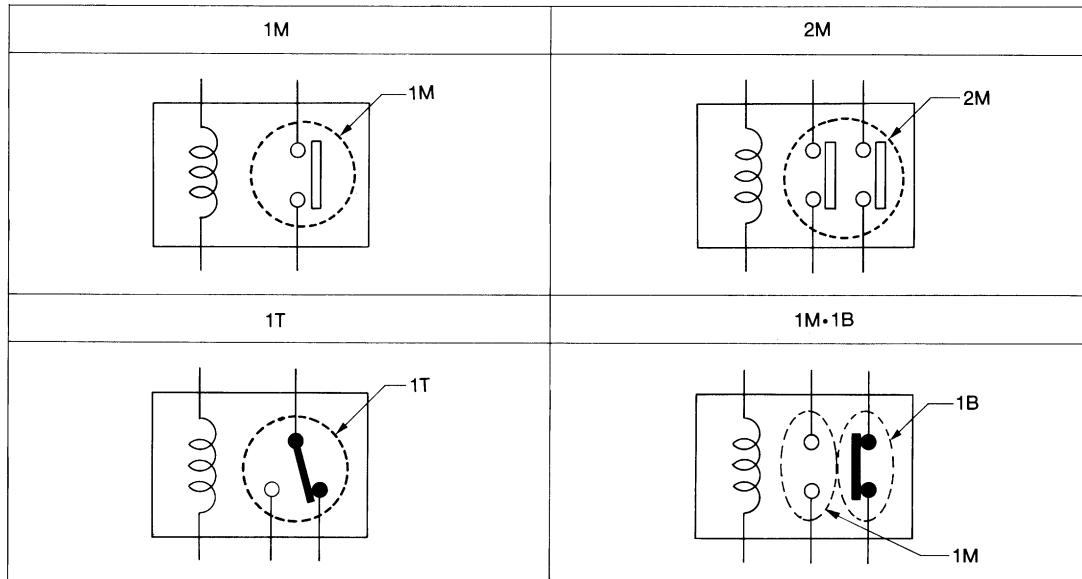
### TYPE OF STANDARDIZED RELAYS

1M ..... 1 Make

2M ..... 2 Make

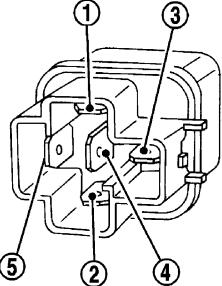
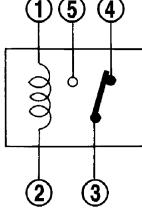
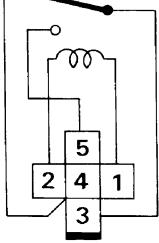
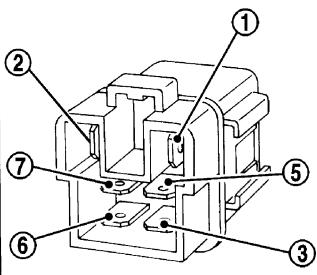
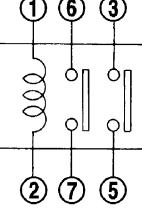
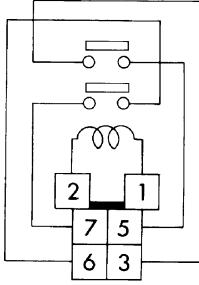
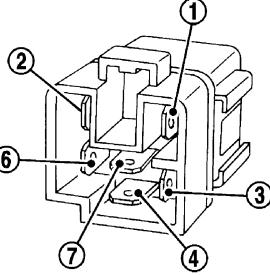
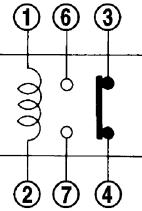
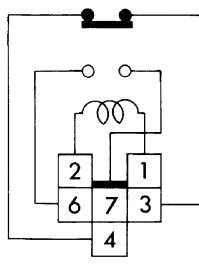
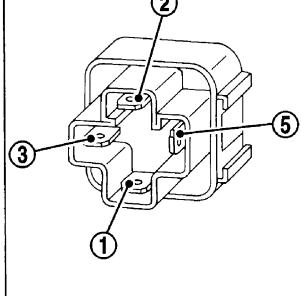
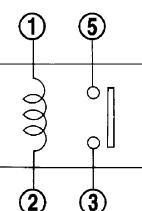
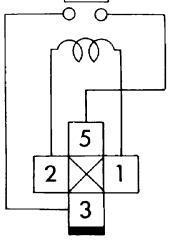
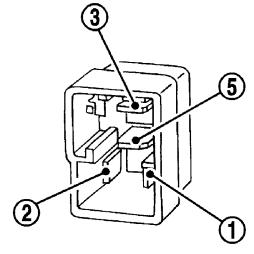
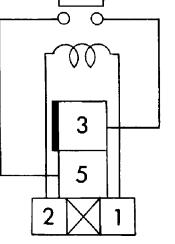
1T ..... 1 Transfer

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

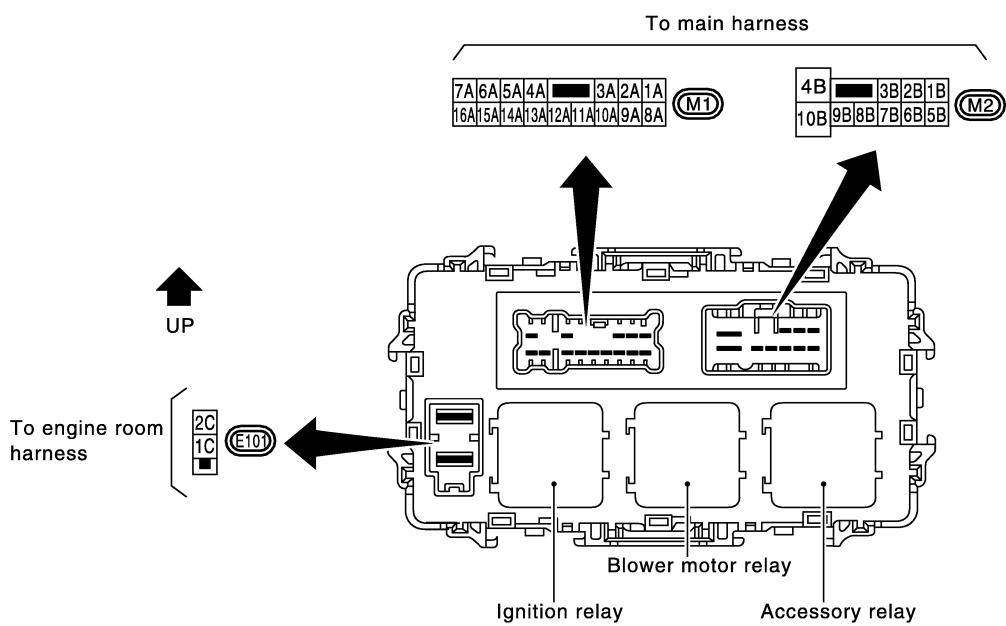
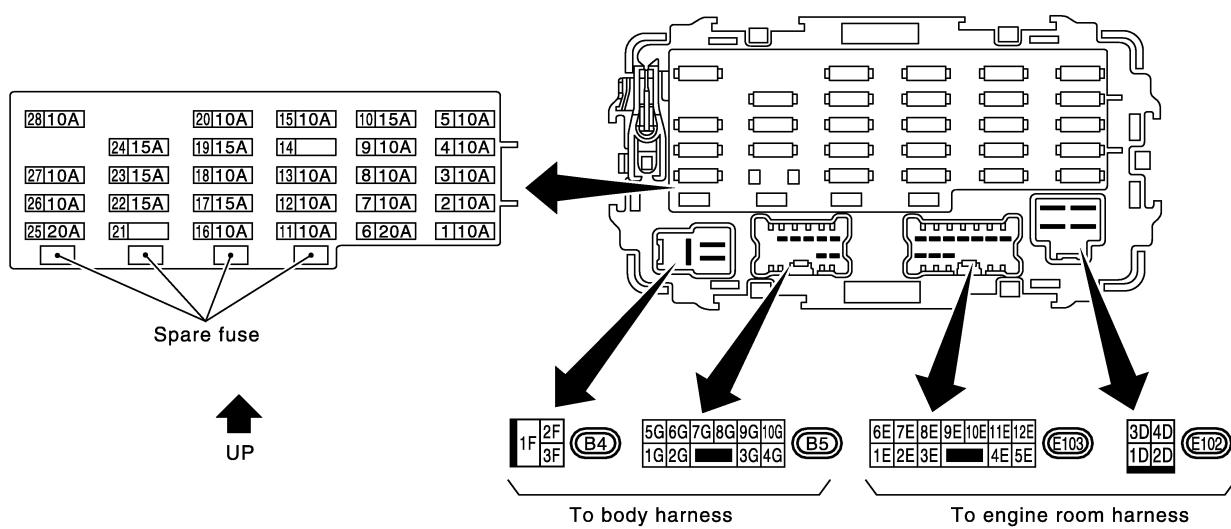
# FUSE BLOCK - JUNCTION BOX (J/B)

## FUSE BLOCK - JUNCTION BOX (J/B)

### Terminal Arrangement

PFP:24350

BKS000S9



CKIA0383E

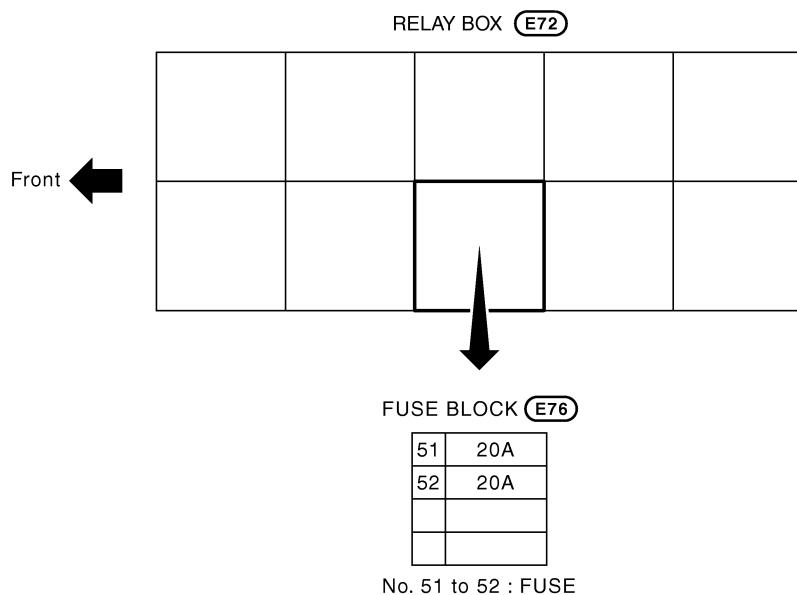
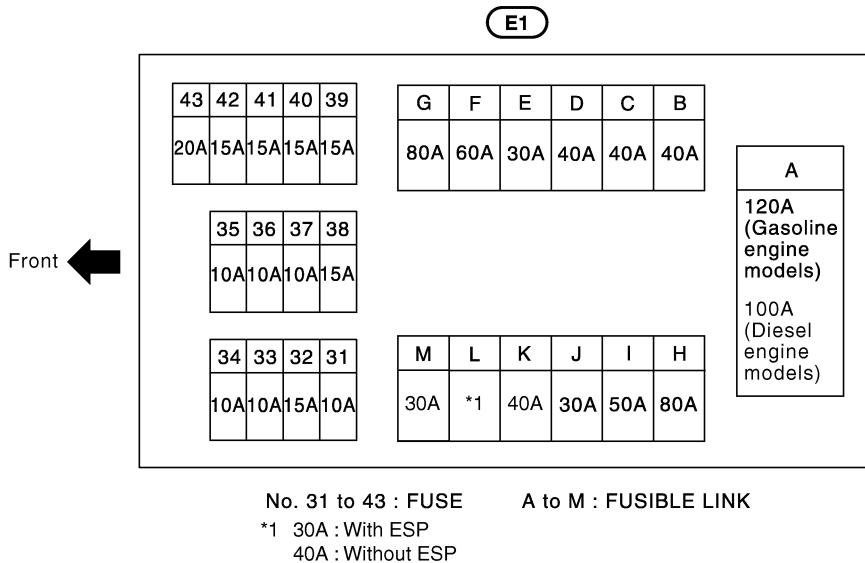
# FUSE AND FUSIBLE LINK BOX

## FUSE AND FUSIBLE LINK BOX

PFP:24381

### Terminal Arrangement

BKS000SA



CKIB0119E