

PG

SECTION

POWER SUPPLY, GROUND & CIRCUIT ELEMENTS

A
B
C

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PRECAUTIONS

PFP:00001

Precautions for Supplemental Restraint System (SRS) “AIR BAG” and “SEAT BELT PRE-TENSIONER”

EKS00658

The Supplemental Restraint System such as “AIR BAG” and “SEAT BELT PRE-TENSIONER”, used along with a front seat belt, helps to reduce the risk or severity of injury to the driver and front passenger for certain types of collision. Information necessary to service the system safely is included in the SRS and SB section of this Service Manual.

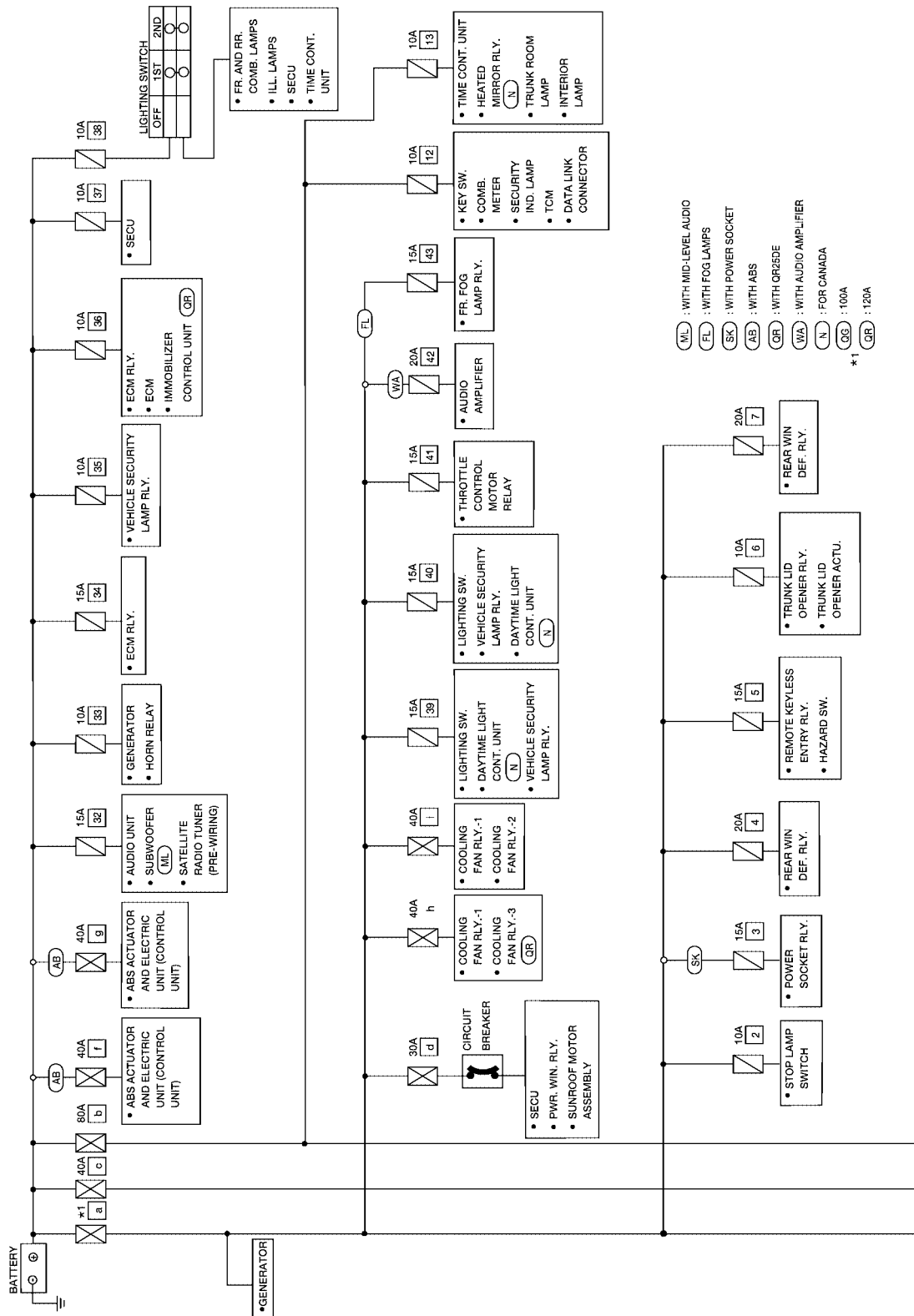
WARNING:

- To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision which would result in air bag inflation, all maintenance must be performed by an authorized NISSAN/INFINITI dealer.
- Improper maintenance, including incorrect removal and installation of the SRS, can lead to personal injury caused by unintentional activation of the system. For removal of Spiral Cable and Air Bag Module, see the SRS section.
- Do not use electrical test equipment on any circuit related to the SRS unless instructed to in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harnesses or harness connectors.

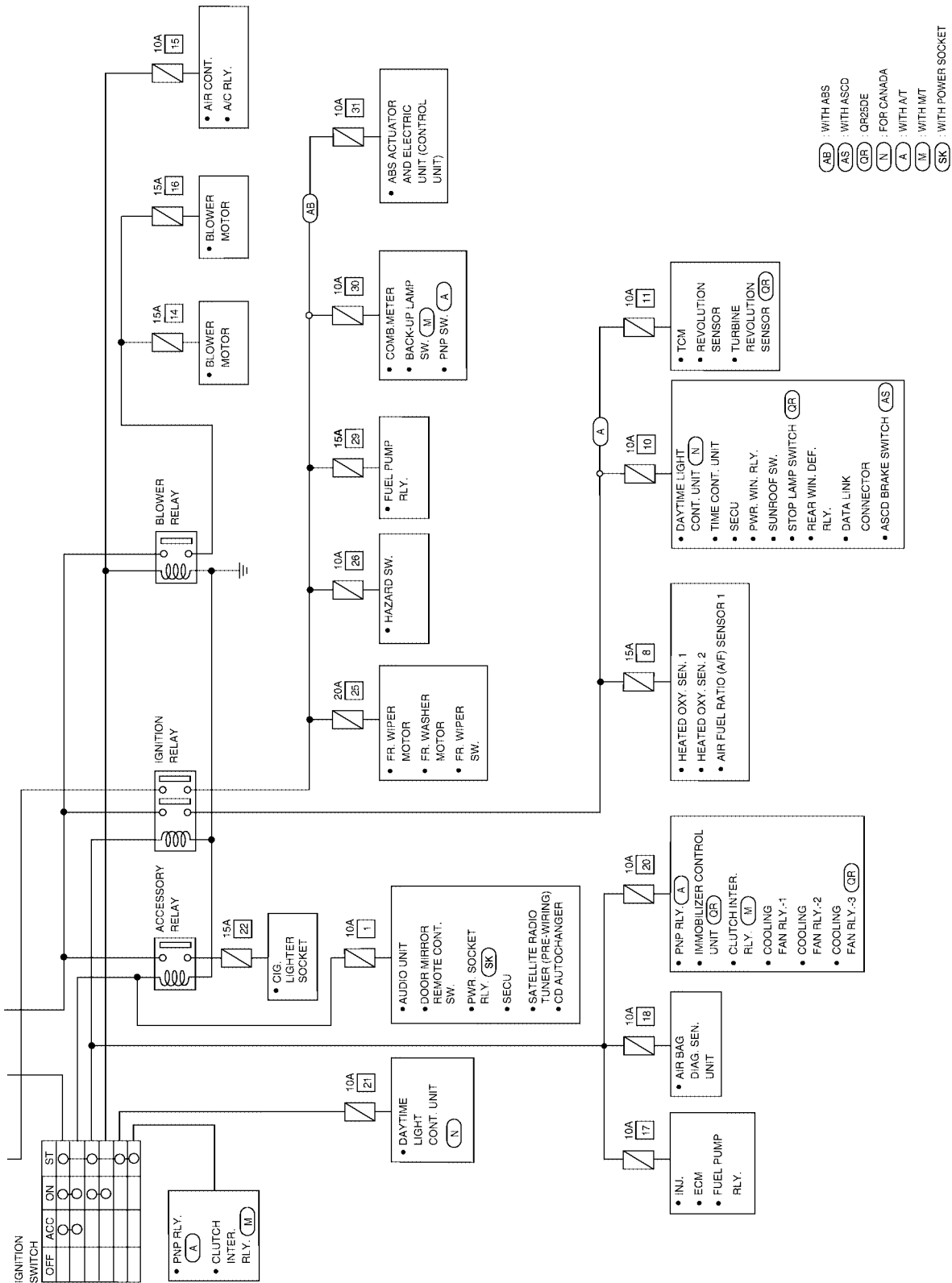
POWER SUPPLY ROUTING

Schematic

For detailed ground distribution information, refer to [PG-13, "Ground Distribution"](#).



POWER SUPPLY ROUTING



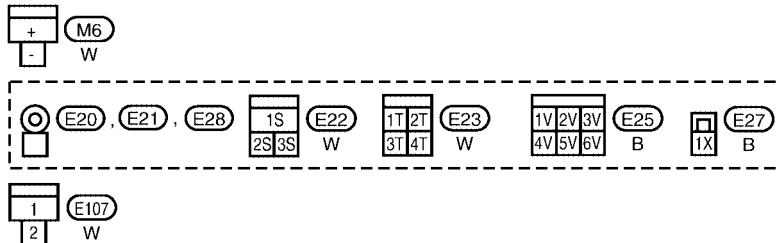
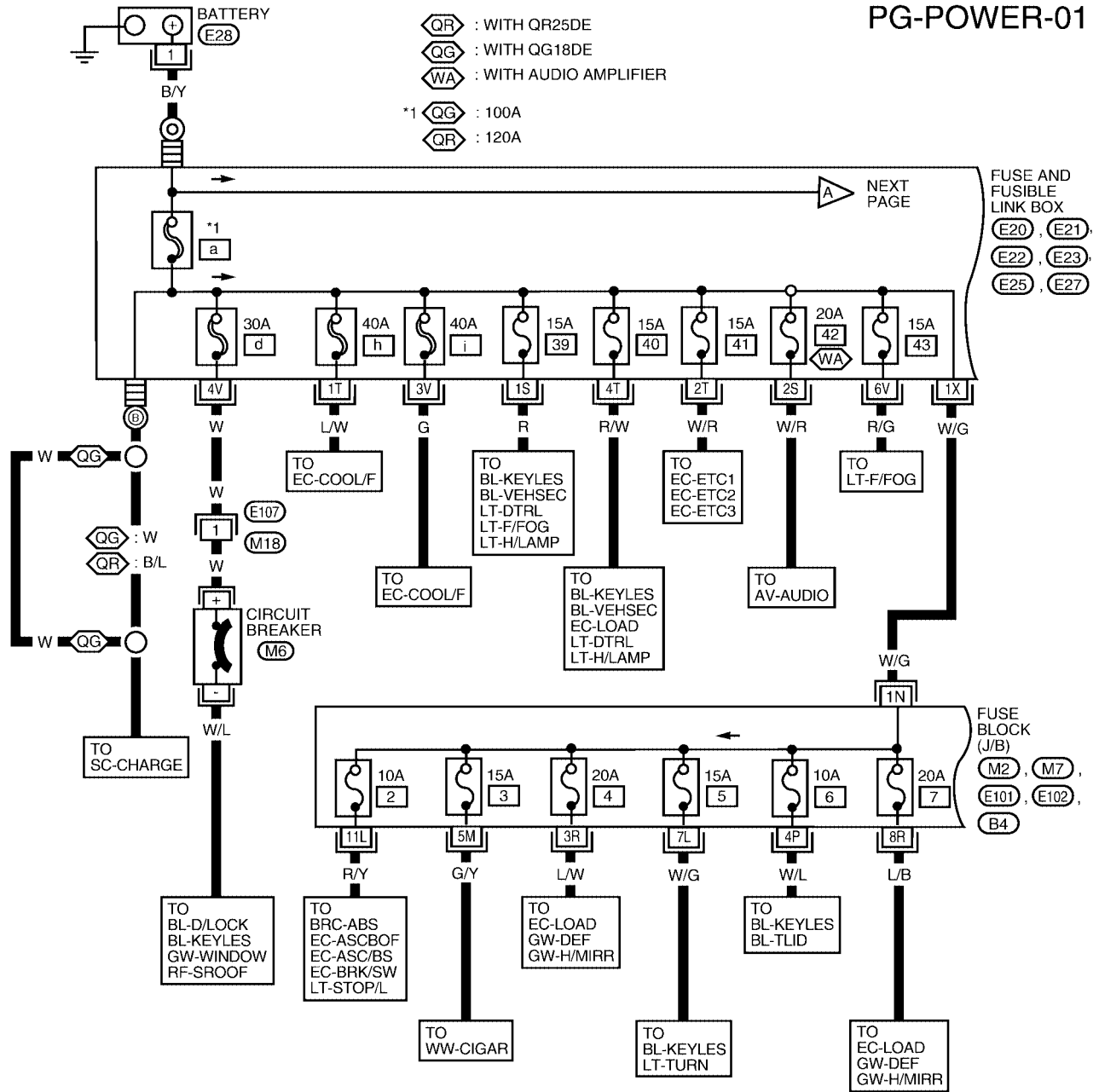
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POWER SUPPLY ROUTING

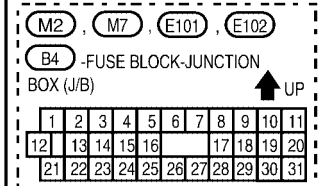
Wiring Diagram — POWER — BATTERY POWER SUPPLY — IGNITION SW. IN ANY POSITION

EKS003B0

PG-POWER-01

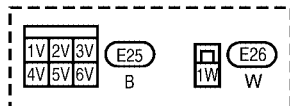
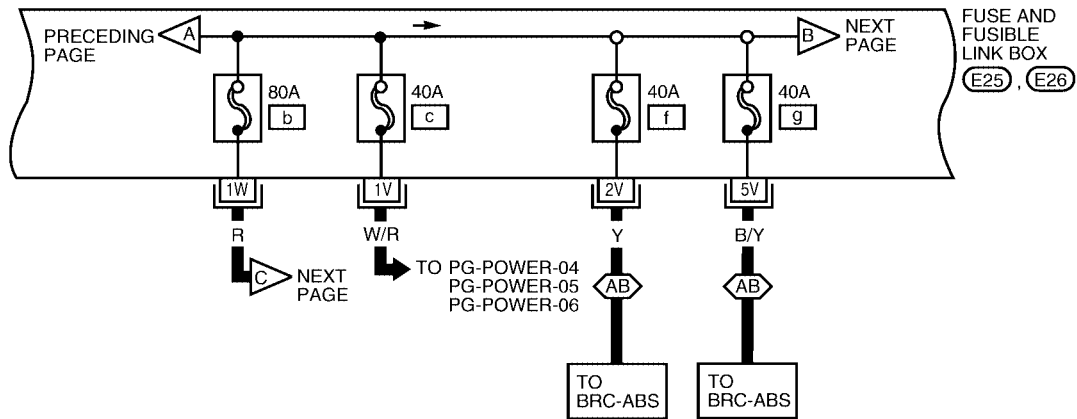


REFER TO THE FOLLOWING.



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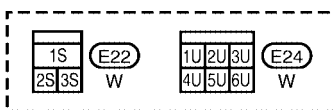
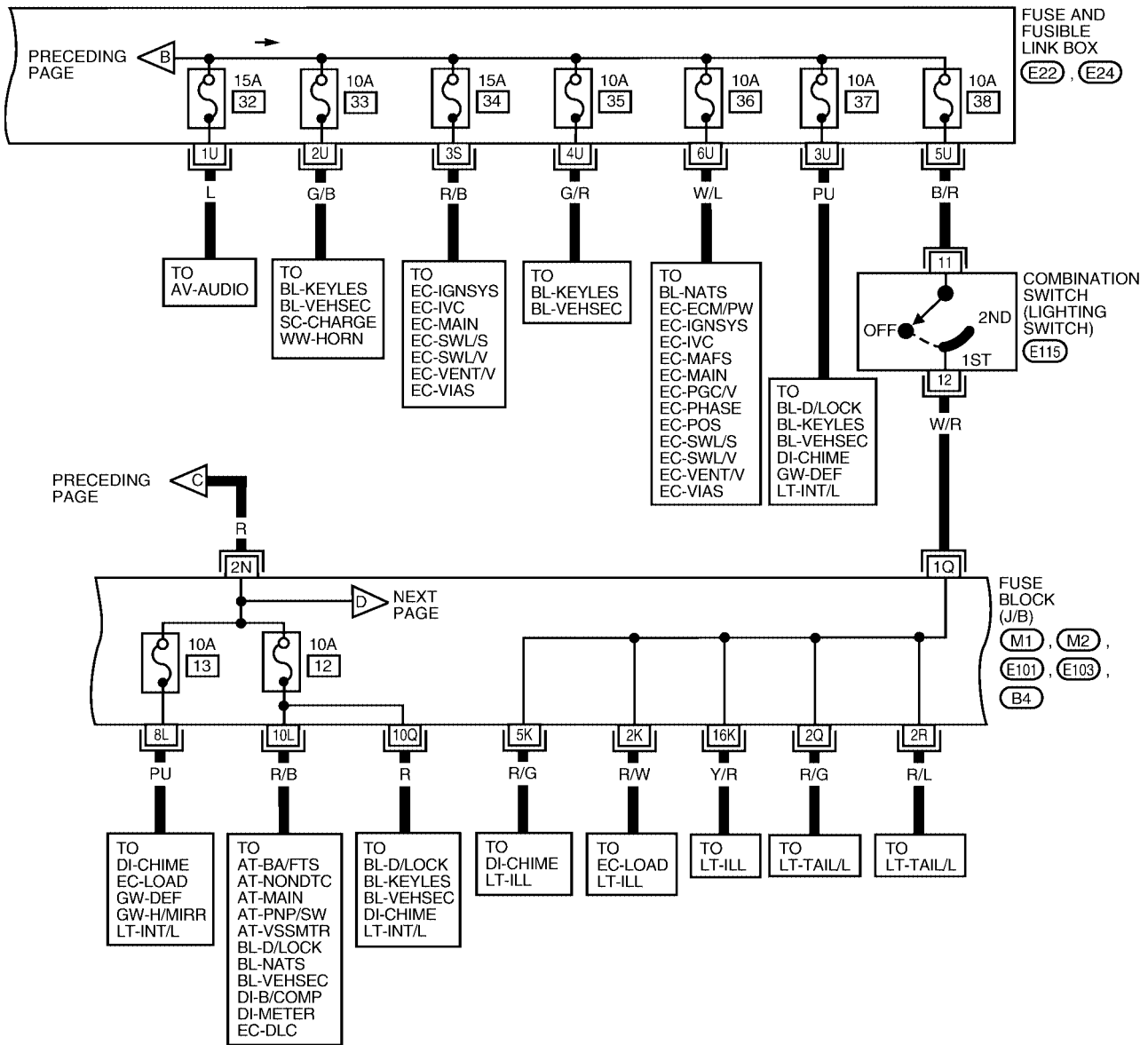
 : WITH ABS



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POWER SUPPLY ROUTING

PG-POWER-03



REFER TO THE FOLLOWING.

M1, M2, E101, E103,
B4 - FUSE BLOCK-JUNCTION
BOX (J/B)

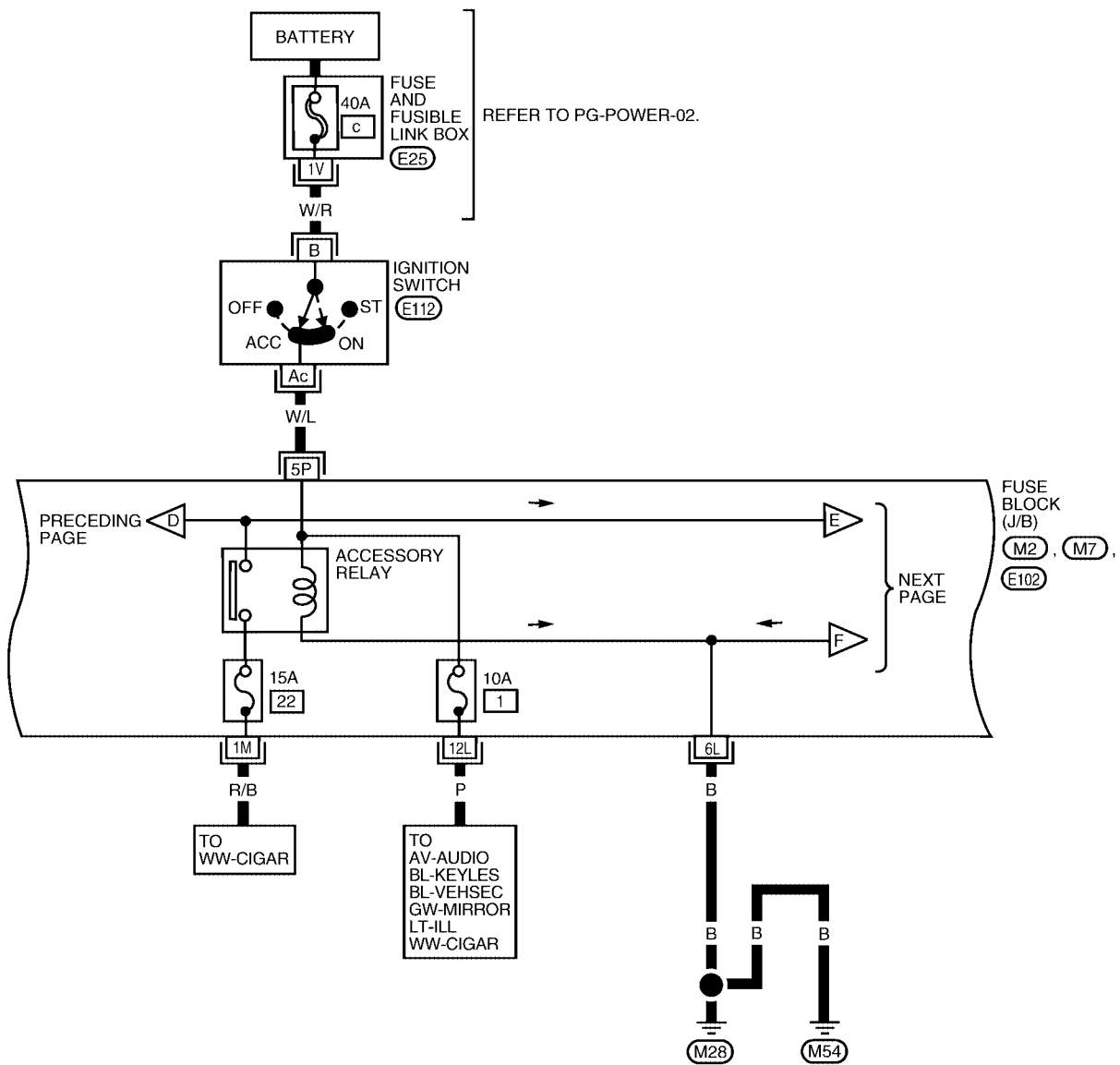
1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16			17	18	19	20
21	22	23	24	25	26	27	28	29	30	31

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POWER SUPPLY ROUTING

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

PG-POWER-04



1V	2V	3V	E25
4V	5V	6V	B

I1	St	B	E112
I2	Ac	R	W

REFER TO THE FOLLOWING.

M2, M7, E102

-FUSE BLOCK-JUNCTION BOX (J/B)

1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16			17	18	19	20
21	22	23	24	25	26	27	28	29	30	31

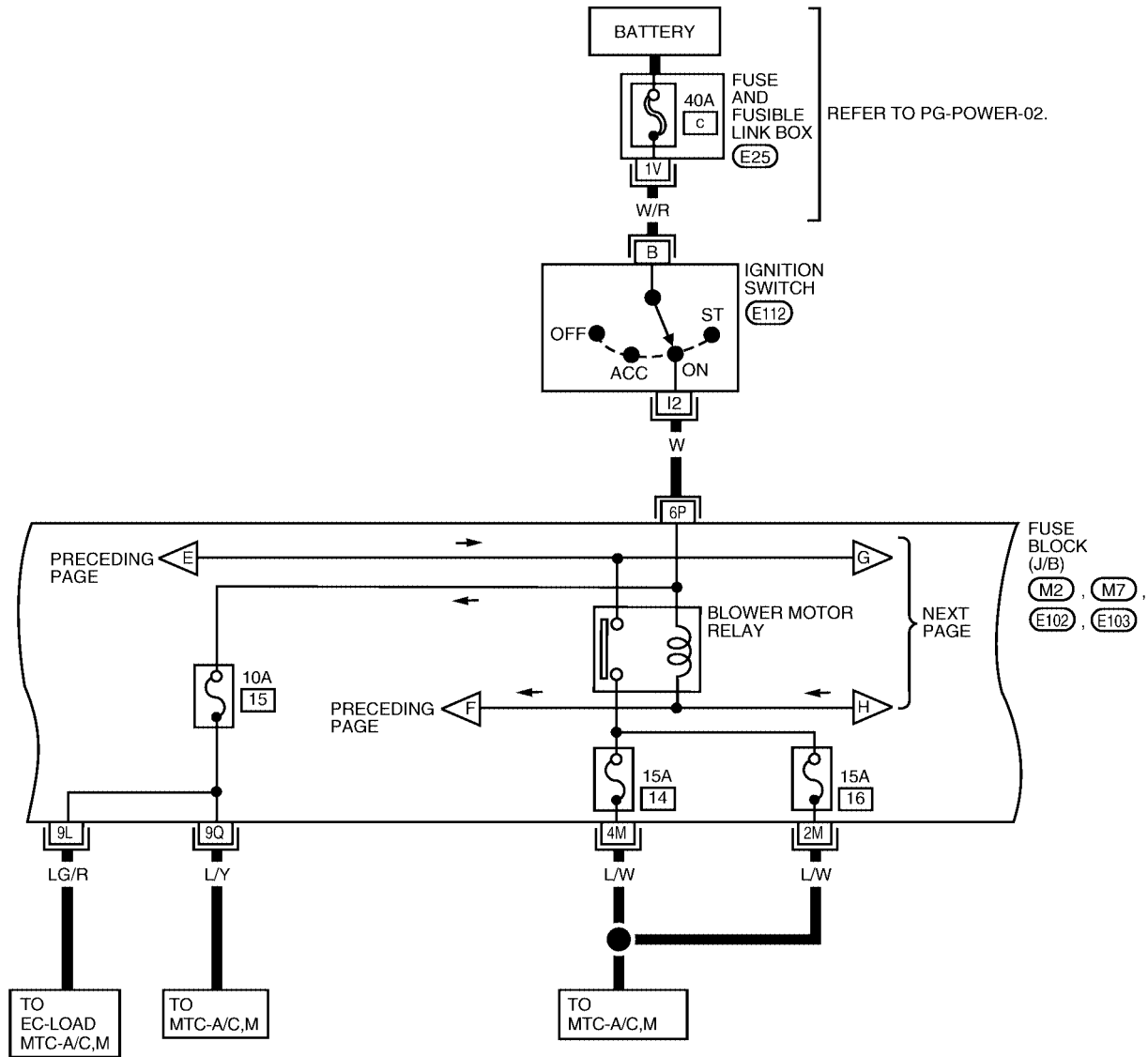
↑ UP

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POWER SUPPLY ROUTING

IGNITION POWER SUPPLY — IGNITION SW. IN “ON”

PG-POWER-05



1V	2V	3V	E25
4V	5V	6V	B

11	12	13	E112
14	15	16	W

REFER TO THE FOLLOWING.

M2	M7	E102	E103
----	----	------	------

-FUSE BLOCK-JUNCTION BOX (J/B)

1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31		

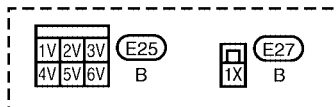
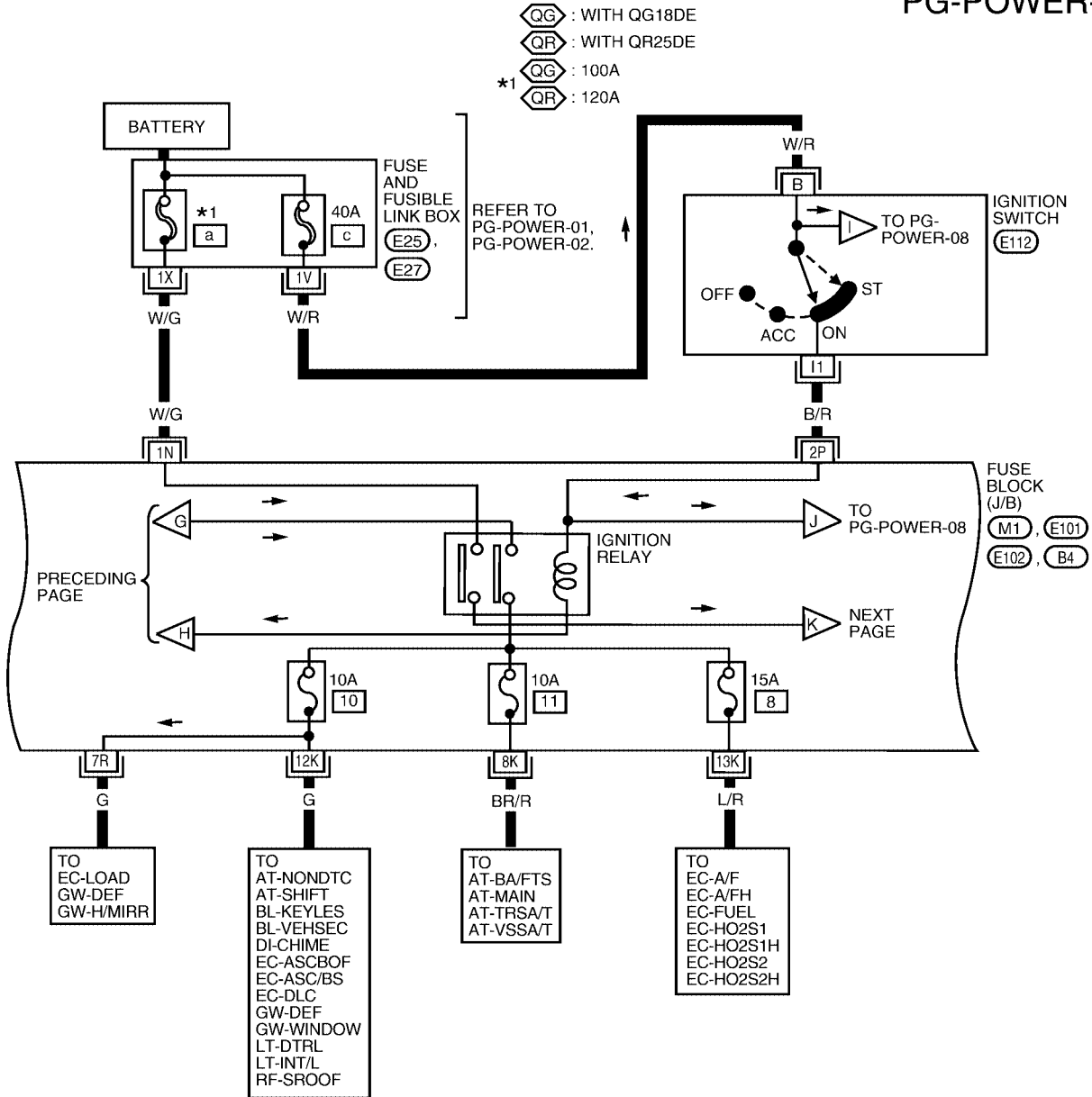
UP

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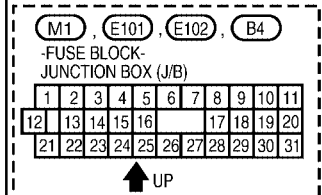
POWER SUPPLY ROUTING

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

PG-POWER-06

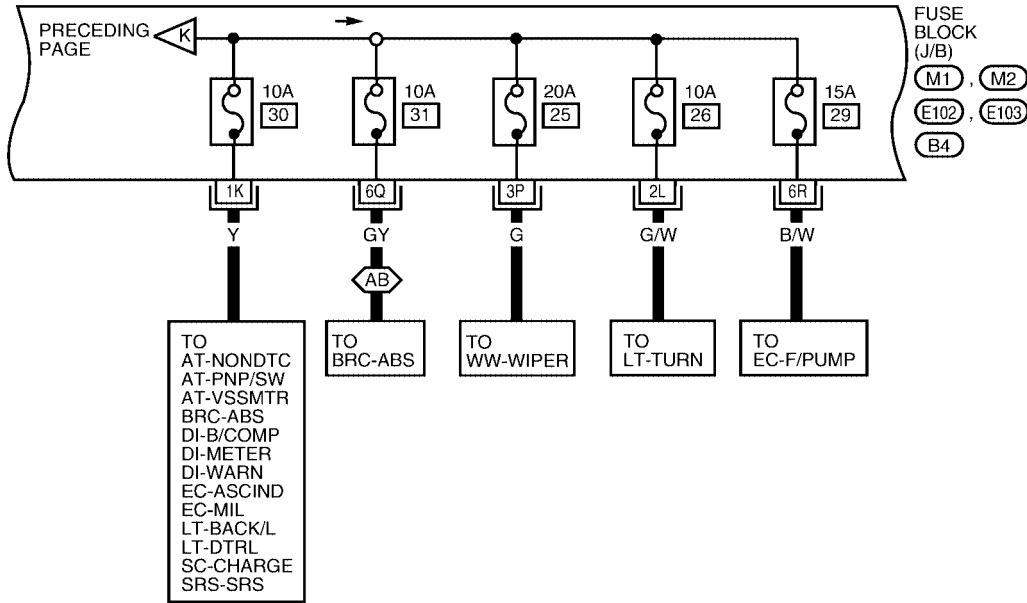


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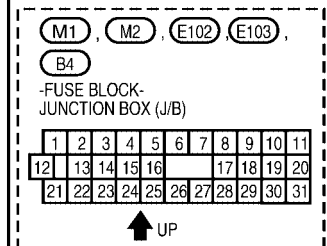
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 : With ABS



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REFER TO THE FOLLOWING.



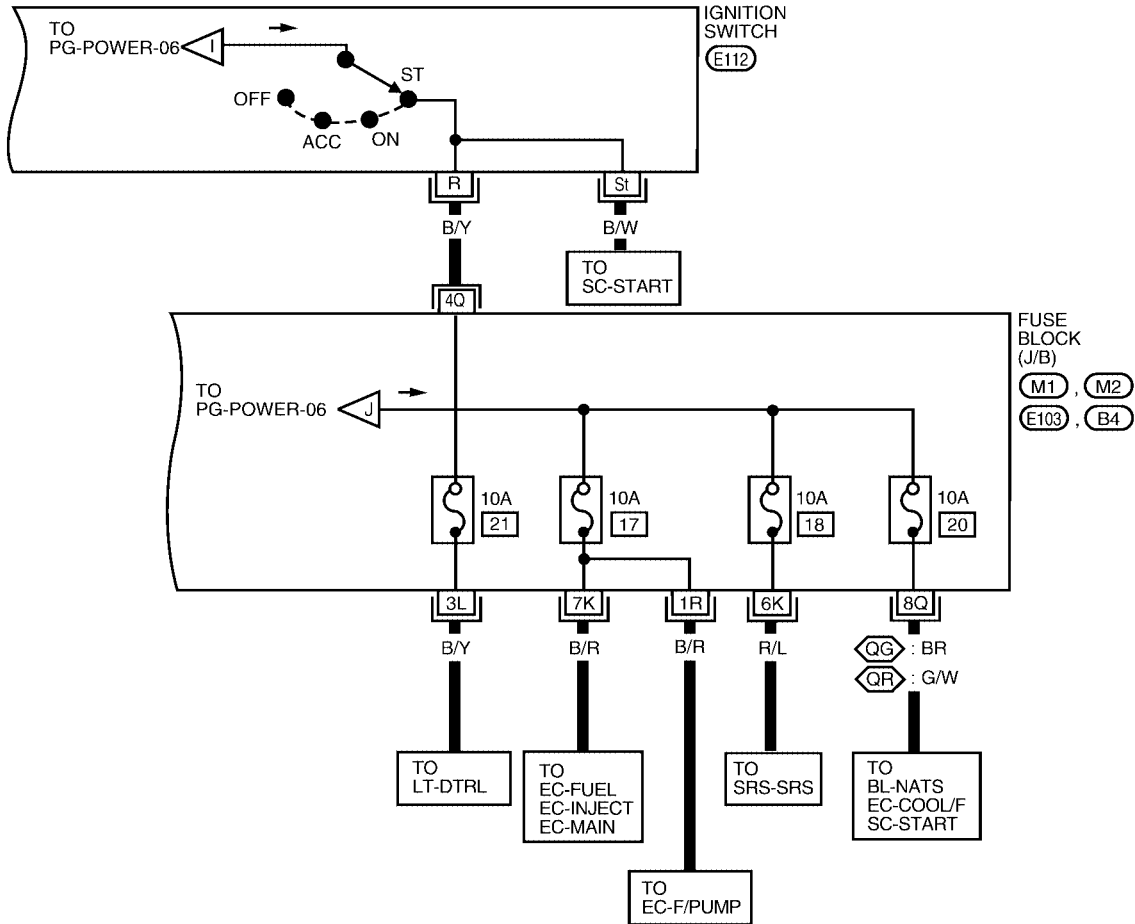
WKWA2094E

POWER SUPPLY ROUTING

PG-POWER-08

QG : WITH QG18DE

QR : WITH QR25DE



11	St	B	E112
12	Ac	R	W

REFER TO THE FOLLOWING.

M1 M2 E103 B4

FUSE BLOCK-

JUNCTION BOX (J/B)

1 2 3 4 5 6 7 8 9 10 11

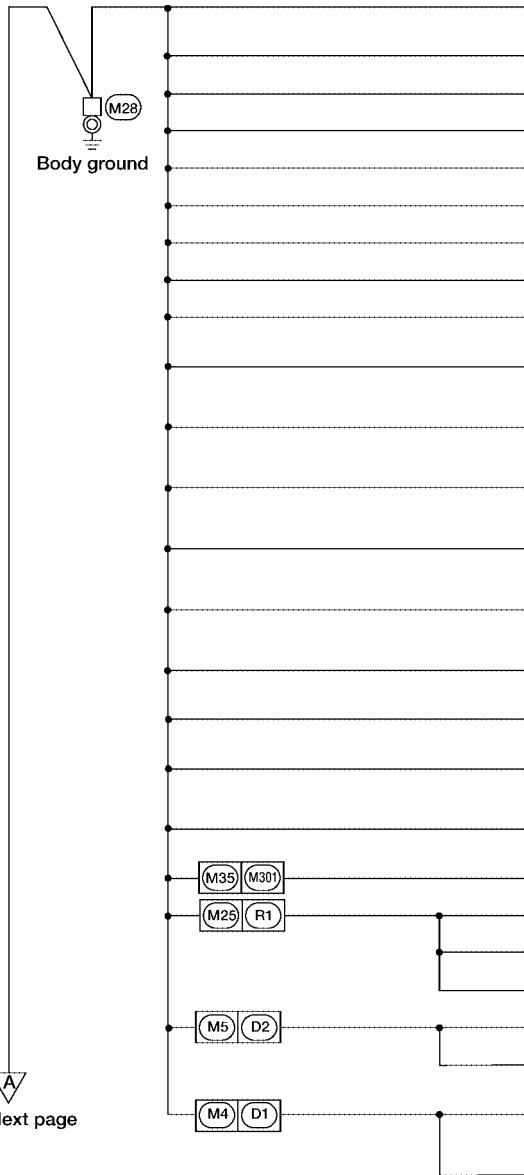
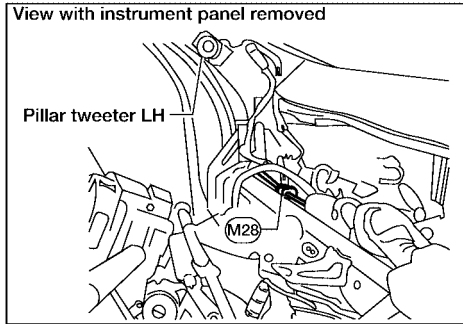
12 13 14 15 16 17 18 19 20

21 22 23 24 25 26 27 28 29 30 31

↑ UP

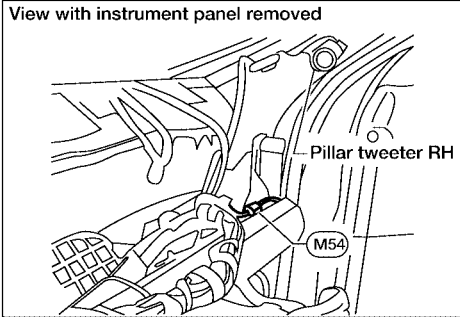
WKWA0496E

GROUND

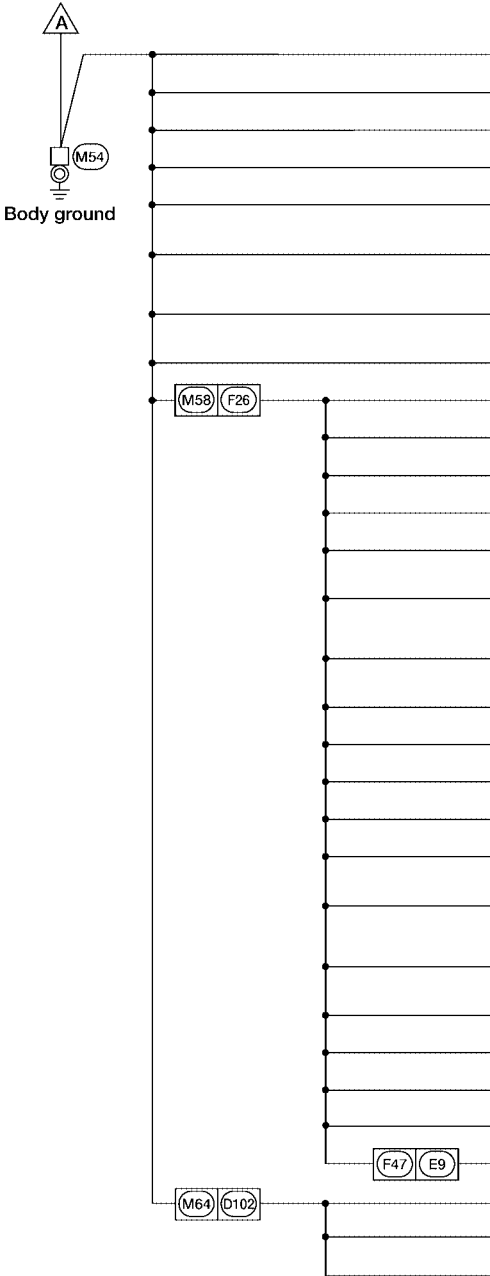
Ground Distribution
MAIN HARNESS

CONNECTOR NUMBER	CONNECT TO
M2	Fuse block (J/B) (Blower motor relay, ignition relay, accessory relay)
M3	Heated mirror relay
M8	Data link connector (Terminal No. 4)
M8	Data link connector (Terminal No. 5)
M9	Power window relay
M10	Trunk lid opener relay
M21	Trunk lid opener switch
M22	Illumination control switch
M23	Door mirror remote control switch
M29	Combination meter (Terminal No.3) (High beam indicator) (With tachometer)
M29	Combination meter (Terminal No.12) (Turn signal indicator lamps) (With tachometer)
M29	Combination meter (Terminal No.14) (High beam indicator) (Without tachometer)
M30	Combination meter (Terminal No. 27) (Without tachometer)
M30	Combination meter (Terminal No. 39) (Turn signal indicator lamps) (Without tachometer)
M30	Combination meter (Terminal No. 48) (QG18DE models with tachometer)
M31	Fan control switch
M38	Smart entrance control unit (With power door locks) (Terminal No. 16)
M40	Time control unit (Without power door locks) (Terminal No. 8)
M302	Power socket
R2	Vanity lamp LH
R3	Map lamp
R7	Vanity lamp RH
D4	Door mirror LH
D8	Front door key cylinder switch LH
D6	Main power window and door lock / unlock switch
D7	Front door lock actuator (door unlock sensor) LH

GROUND



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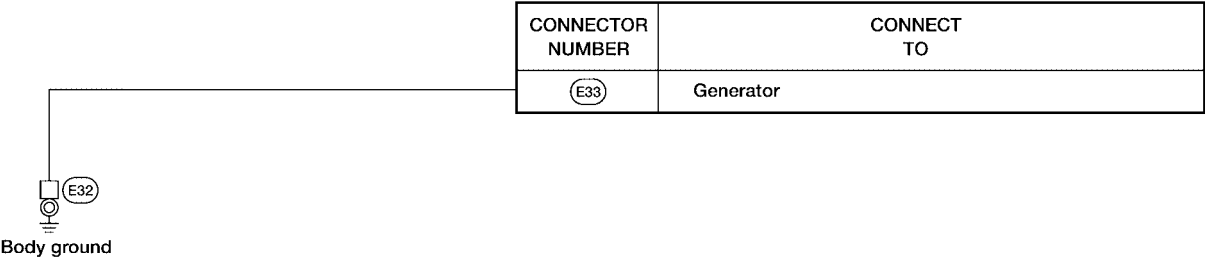
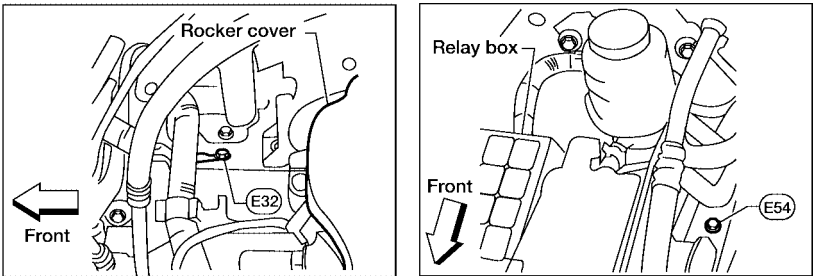
CONNECTOR NUMBER	CONNECT TO
M12	Power socket relay
M32	Air control
M33	Cigarette lighter socket
M34	Air bag diagnosis sensor unit (Terminal No. 2)
M42	Combination flasher unit
M44	A/T device (Terminal No. 2) (Overdrive control switch)
M44	A/T device (Terminal No. 6) (Shift lock)
M49	Intake sensor
F9	Camshaft position sensor (PHASE) (QR25DE)
F11	Crankshaft position sensor (POS) (QR25DE)
F16	Camshaft position sensor (PHASE) (QG18DE)
F18	Knock sensor (Shield wire) (QR25DE)
F31	Knock sensor (Shield wire) (QG18DE)
F50	Electric throttle control actuator (Throttle position sensor) (Shield wire) (QR25DE)
F50	Electric throttle control actuator (Throttle control motor) (Shield wire) (QR25DE)
F52	Crankshaft position sensor (POS) (QG18DE)
F57	TCM (Terminal No. 25) (QG18DE)
F57	TCM (Terminal No. 48) (QG18DE)
F57	TCM (Terminal No. 25) (QR25DE)
F57	TCM (Terminal No. 48) (QR25DE)
F58	Electric throttle control actuator (Throttle control motor) (Shield wire) (QG18DE)
F58	Electric throttle control actuator (Throttle position sensor) (Shield wire) (QG18DE)
F59	ECM (Terminal No. 115)
F59	ECM (Terminal No. 116)
F60	ECM (Terminal No. 1)
F63	Swirl control valve position sensor (Shield wire) (QG18DE SULEV)
E111	Immobilizer control unit (QR25DE)
D104	Door lock / unlock switch RH
D107	Front door lock actuator RH (Door unlock sensor)
D109	Door mirror RH

WKIA3330E

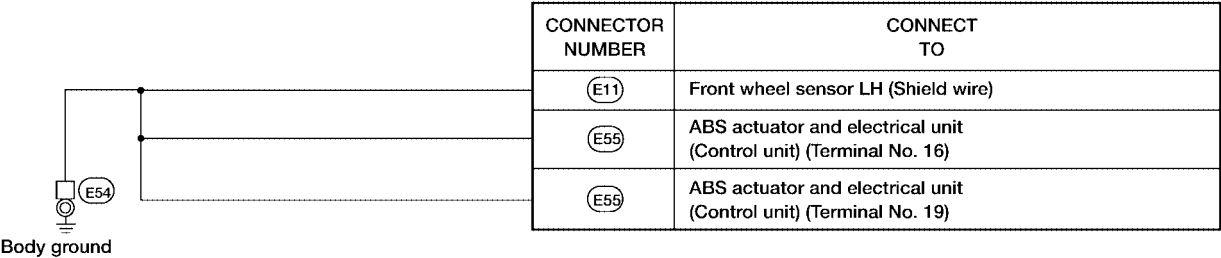
GROUND

ENGINE ROOM HARNESS

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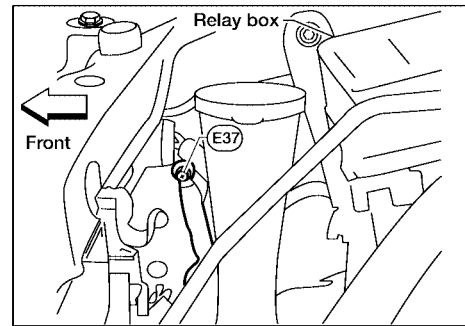
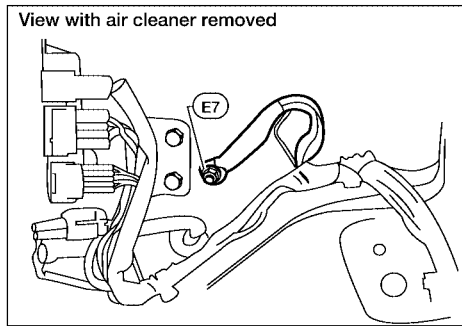
CONNECTOR NUMBER	CONNECT TO
E33	Generator



CONNECTOR NUMBER	CONNECT TO
E11	Front wheel sensor LH (Shield wire)
E55	ABS actuator and electrical unit (Control unit) (Terminal No. 16)
E55	ABS actuator and electrical unit (Control unit) (Terminal No. 19)

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GROUND



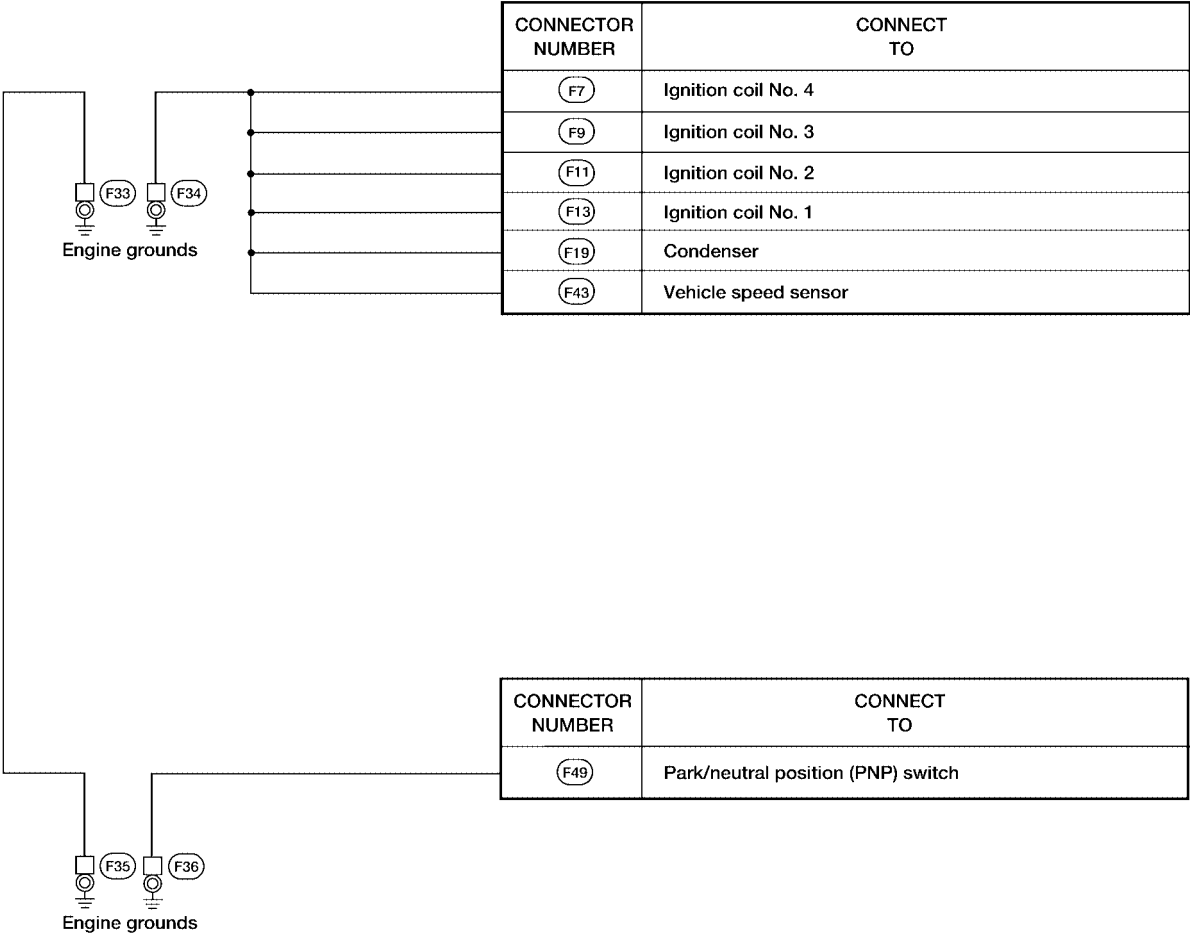
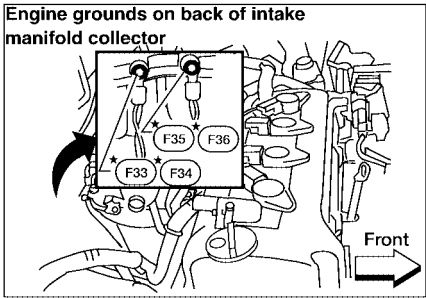
CONNECTOR NUMBER	CONNECT TO
E1	Brake fluid level switch
E3	Front wiper motor
E4	Front combination lamp (Parking) LH
E18	Cooling fan motor-2
E30	Front fog lamp RH
E31	Headlamp RH
E38	Front combination lamp (Parking) RH
E44	Cooling fan relay-3 (HI-relay) (QR25DE)
E105	Daytime light control unit (For Canada)
E110	Clutch interlock switch (With M/T)
E116	Combination switch (Front wiper switch)
E117	Combination switch (Front fog lamp switch)

CONNECTOR NUMBER	CONNECT TO
E13	Headlamp LH (For USA)
E15	Front fog lamp LH
E17	Cooling fan motor-1
E40	Washer fluid level switch
E52	Cooling fan relay-2

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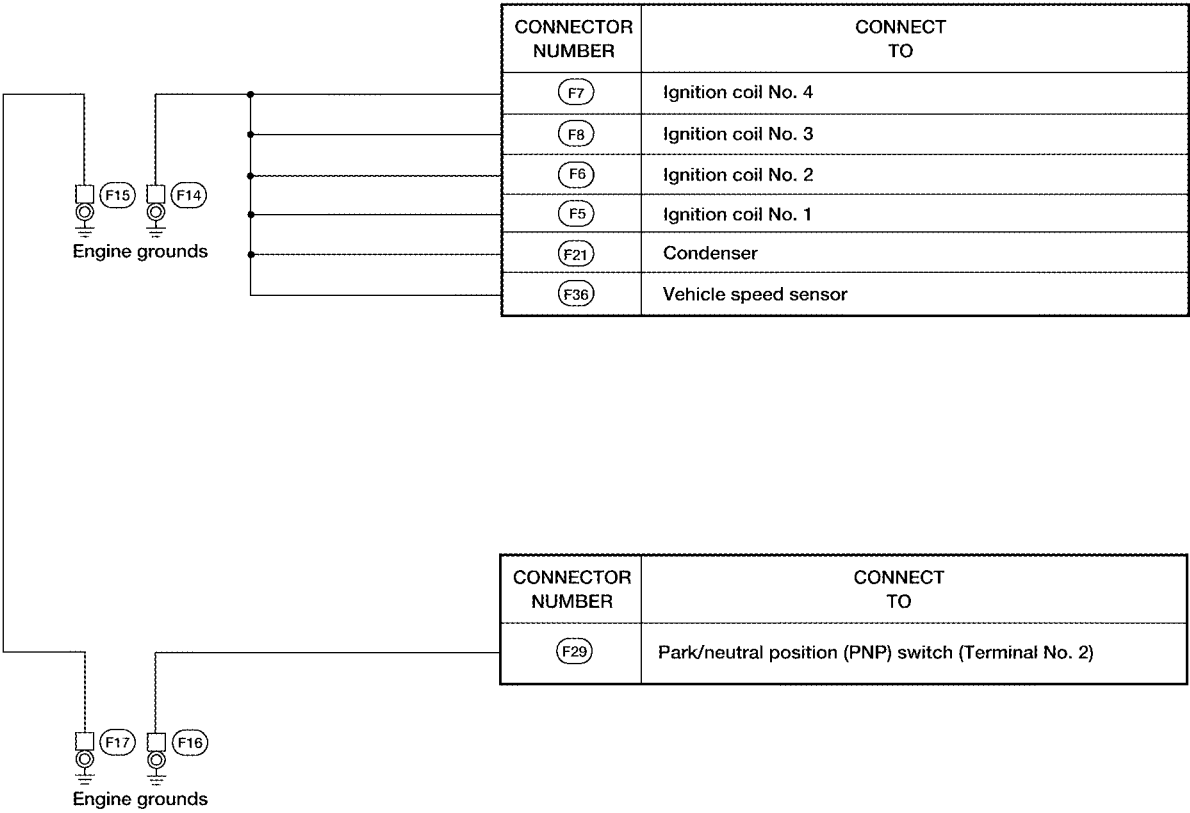
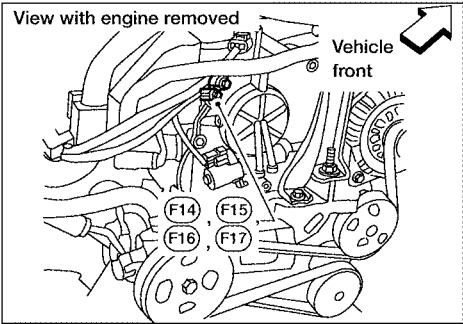
GROUND

ENGINE CONTROL HARNESS
QG18DE



GROUND

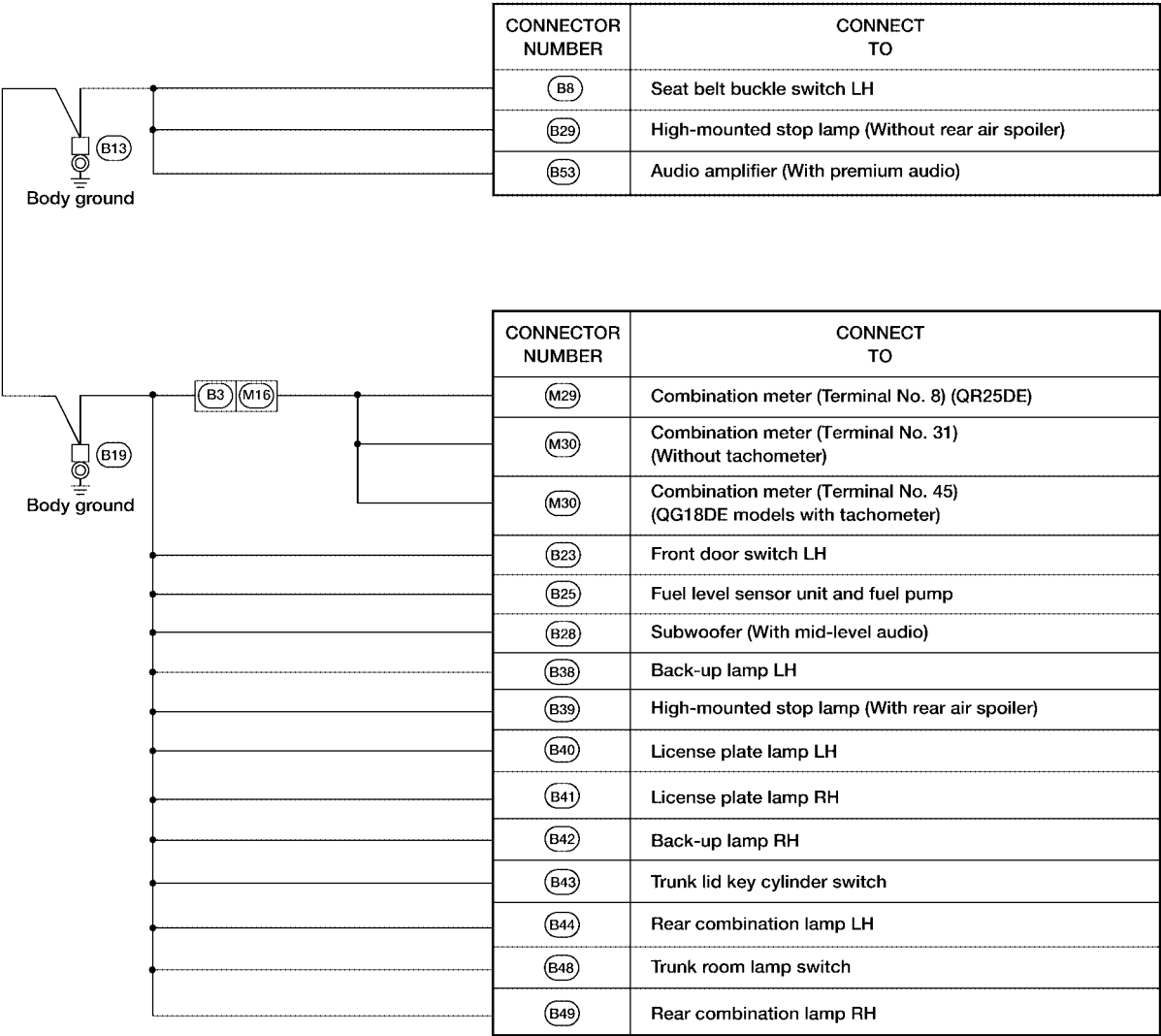
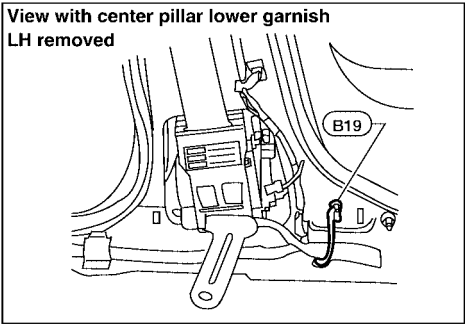
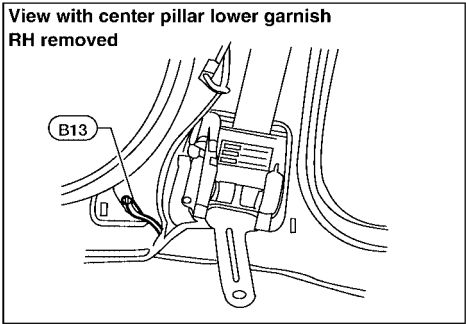
QR25DE



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GROUND

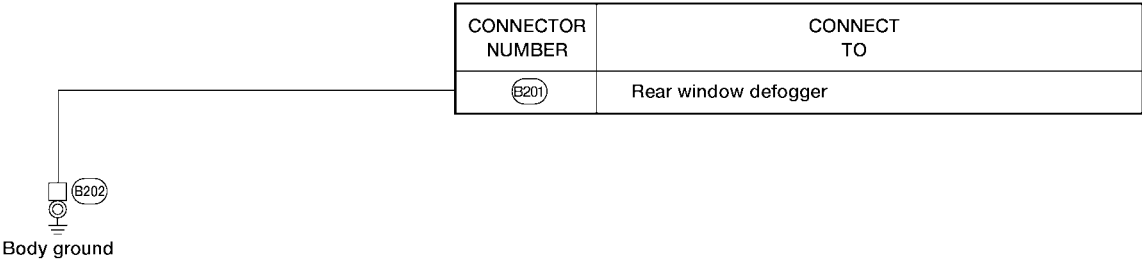
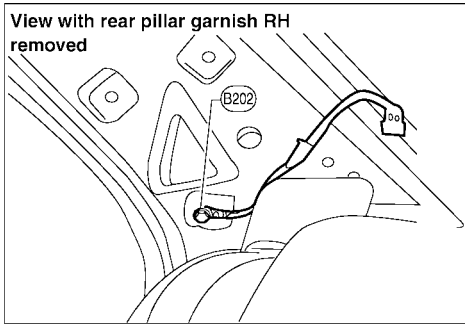
BODY HARNESS



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GROUND

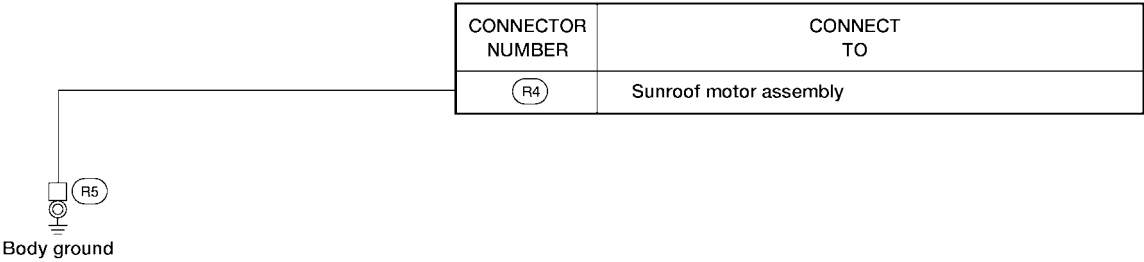
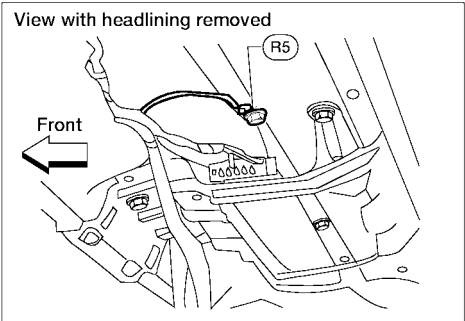
REAR WINDOW DEFOGGER GROUND HARNESS



LEL434

ROOM HARNESS

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HARNESS

PFP:24010

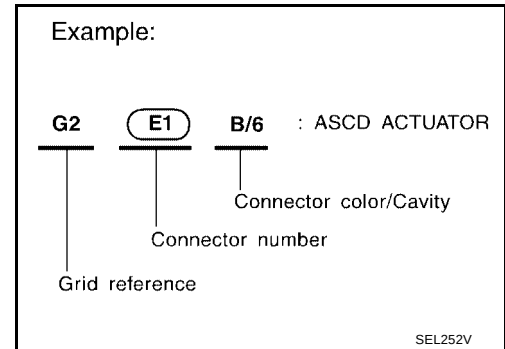
Harness Layout

EKS003B2

HOW TO READ HARNESS LAYOUT

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

- Main Harness
- Engine Room Harness
- Engine Control Harness
- Body Harness



TO USE THE GRID REFERENCE

1. Find the desired connector number on the connector list.
2. Find the grid reference.
3. On the drawing, 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.

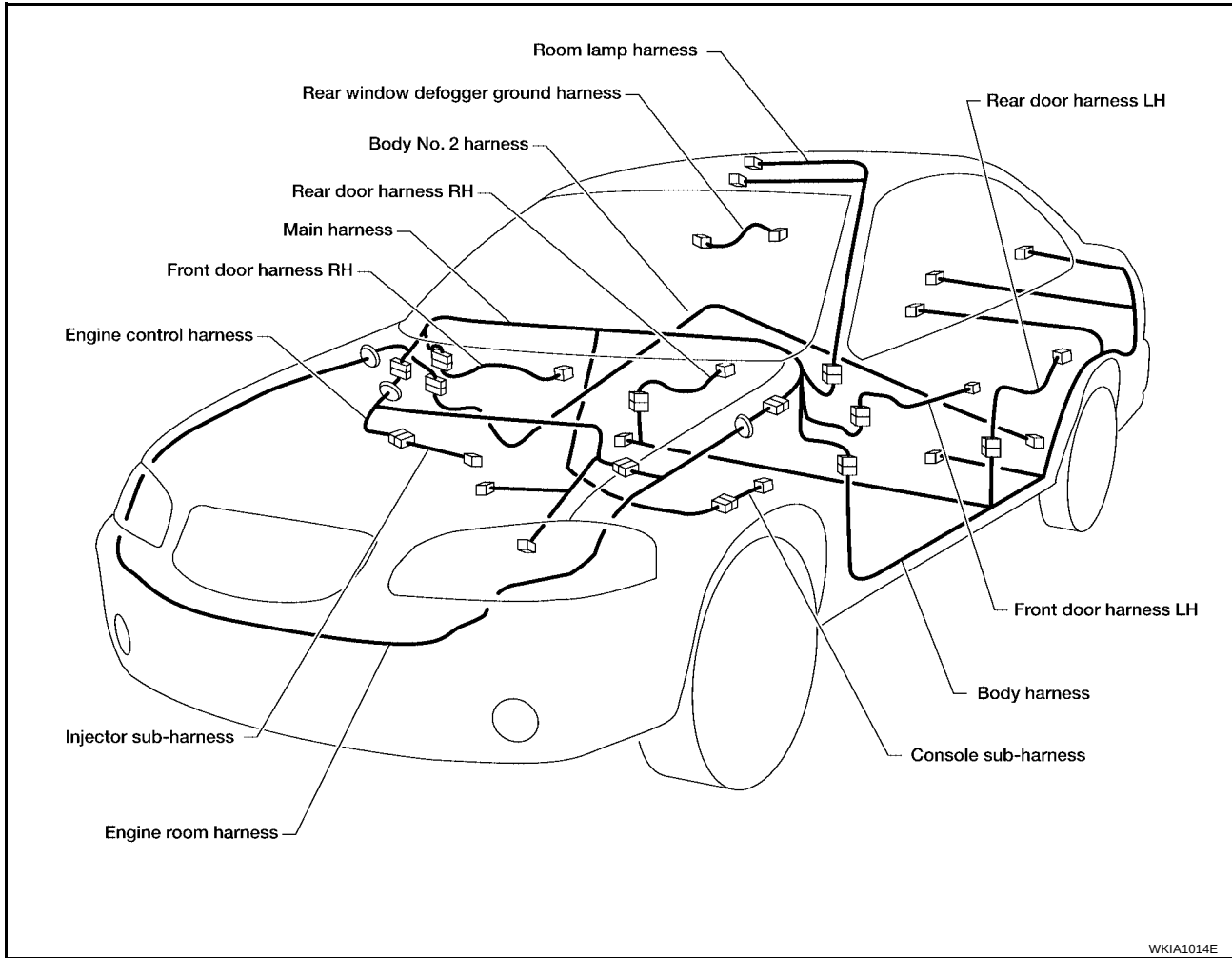
CONNECTOR SYMBOL

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.	—			

HARNESS

OUTLINE

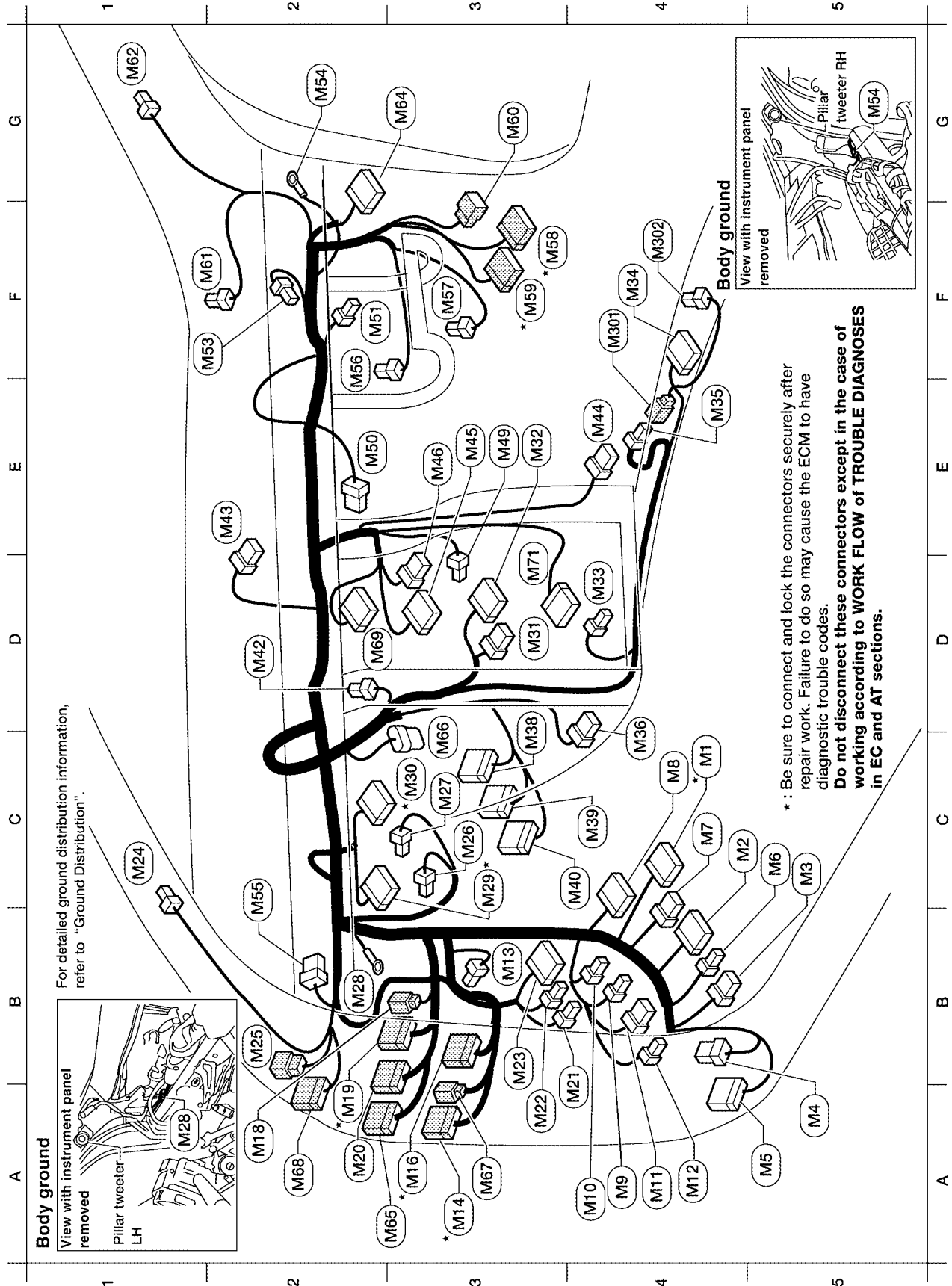


NOTE:

For detailed ground distribution information, refer to [PG-13, "Ground Distribution"](#) .

HARNESS

MAIN HARNESS



WKIA3332E

Main harness

C4	* (M1) W/16 : Fuse block (J/B)
C4	(M2) W/12 : Fuse block (J/B)
C5	(M3) L/4 : Heated mirror relay (for Canada)
A5	(M4) W/8 : To (D1)
A5	(M5) W/16 : To (D2)
C5	(M6) W/2 : Circuit breaker
C4	(M7) W/6 : Fuse block (J/B)
C4	(M8) W/16 : Data link connector
A4	(M9) L/4 : Power window relay
A4	(M10) L/4 : Trunk lid opener relay
A4	(M11) BR/6 : Remote keyless entry relay
A4	(M12) L/4 : Power socket relay
B3	(M13) L/2 : ASCD clutch switch (M/T with ASCD)
A3	* (M14) BR/16 : To (B1)
A3	* (M16) W/20 : To (B3)
A2	(M18) W/2 : To (E107)
A2	* (M19) W/16 : To (E108)
A2	(M20) W/10 : To (E109) (QG18DE)
A2	(M20) W/16 : To (E109) (QR25DE)
A4	(M21) B/2 : Trunk lid opener switch
A3	(M22) W/3 : Illumination control switch
B3	(M23) W/10 : Door mirror remote control switch
C1	(M24) BR/2 : Pillar tweeter LH
B2	(M25) W/6 : To (R1)
C3	(M26) B/2 : Stop lamp switch (With M/T)
C3	(M26) W/4 : Stop lamp switch (With A/T)
C3	(M27) BR/2 : ASCD brake switch
B2	* (M28) - : Body ground
C3	(M29) W/24 : Combination meter (without tachometer)
C3	* (M29) BR/24 : Combination meter (with tachometer)
C3	* (M30) BR/20 : Combination meter (without tachometer)
C3	* (M30) W/24 : Combination meter (with tachometer)

D3	(M31) W/6 : Fan control switch
E3	(M32) W/12 : Air control
D4	(M33) W/3 : Cigarette lighter socket
F4	(M34) Y/20 : Air bag diagnosis sensor unit
E4	(M35) W/2 : To (M301)
C4	(M36) Y/7 : Spiral cable
C3	(M38) W/18 : Smart entrance control unit (with power door locks)
C4	(M39) B/24 : Smart entrance control unit (with power door locks)
C4	(M40) W/10 : Time control unit (without power door locks)
D2	(M42) B/3 : Combination flasher unit
E2	(M43) W/8 : Hazard switch
E4	(M44) W/8 : A/T device
E3	(M45) W/10 : Audio unit
E3	(M46) W/6 : Audio unit
E3	(M49) W/2 : Intake sensor
E2	(M50) B/6 : Intake door motor
F3	(M51) Y/2 : Front passenger air bag module
F2	(M53) GY/2 : Diode-2
G2	(M54) - : Body ground
C2	(M55) L/3 : Diode-3
F2	(M56) BR/4 : Fan resistor
F3	(M57) W/2 : Blower motor
F3	* (M58) W/16 : To (F26)
F3	* (M59) BR/16 : To (F27) (with QG18DE)
F3	* (M59) W/24 : To (F27) (with QR25DE)
G3	(M60) W/6 : To (F28)
F2	(M61) BR/2 : Security indicator lamp
G1	(M62) BR/2 : Pillar tweeter RH
G3	(M64) W/16 : To (D109)

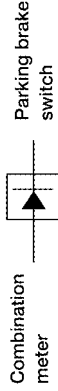
A2	(M65) W/12 : To (B50)
C3	(M66) B/6 : Accelerator pedal position sensor
A3	(M67) W/2 : To (B51)
A2	(M68) W/24 : To (B55)
D2	(M69) W/12 : Audio unit
D3	(M71) W/16 : CD autochanger

Console Sub-harness

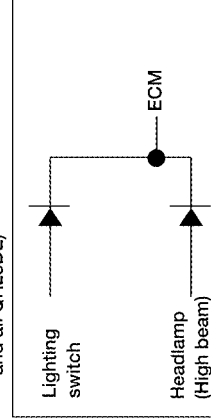
F4	(M301) W/2 : To (M35)
F4	(M302) B/3 : Power socket

(M53) : Diode-2

For USA



(M55) : Diode-3 (QG18DE Canada models and all QR25DE)

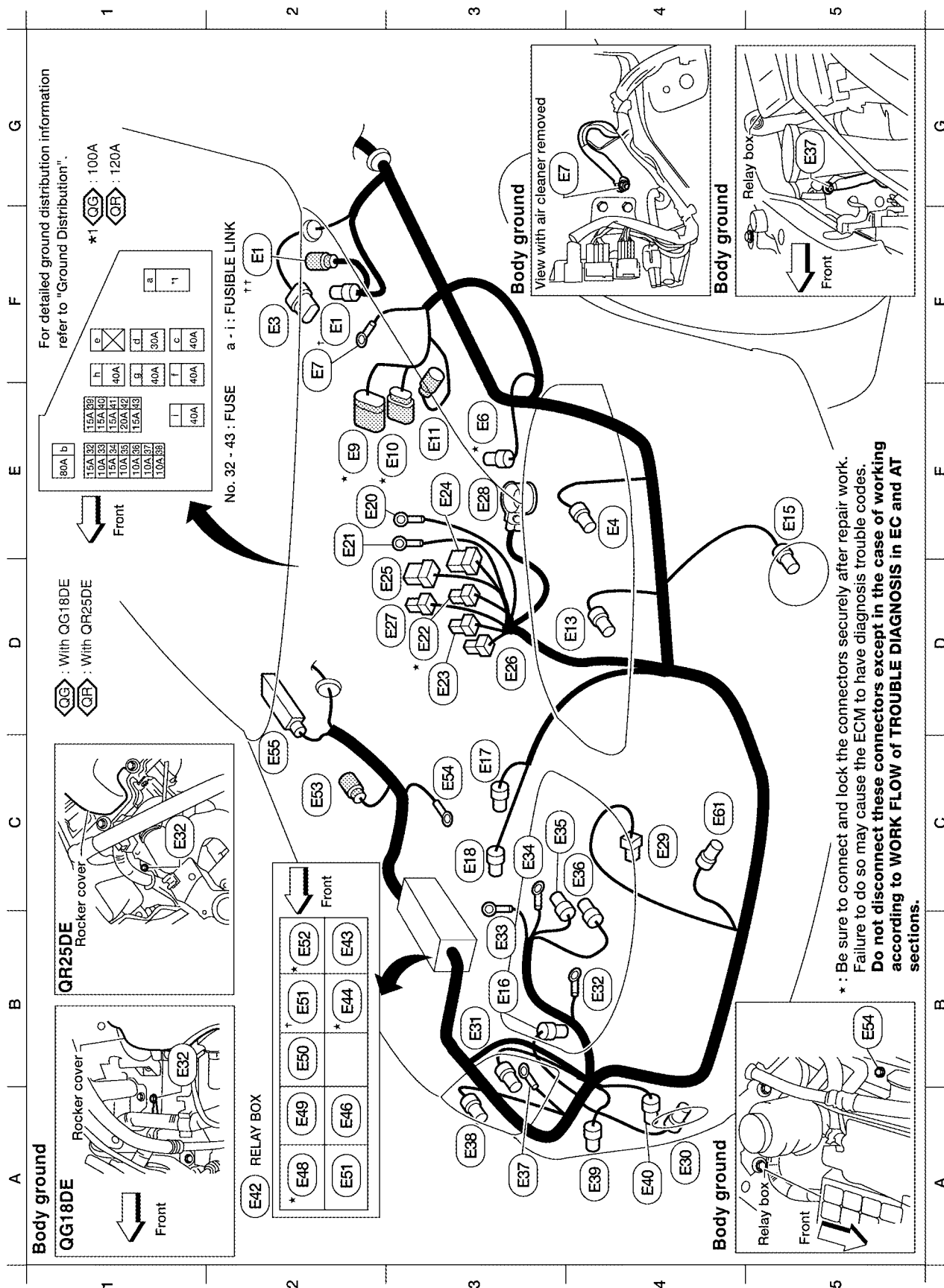


* : Be sure to connect and lock the connectors securely after repair work. Failure to do so may cause the ECM to have diagnostic trouble codes.

Do not disconnect these connectors except in the case of working according to WORK FLOW of TROUBLE DIAGNOSES in EC and AT sections.

WKIA3333E

ENGINE ROOM HARNESS

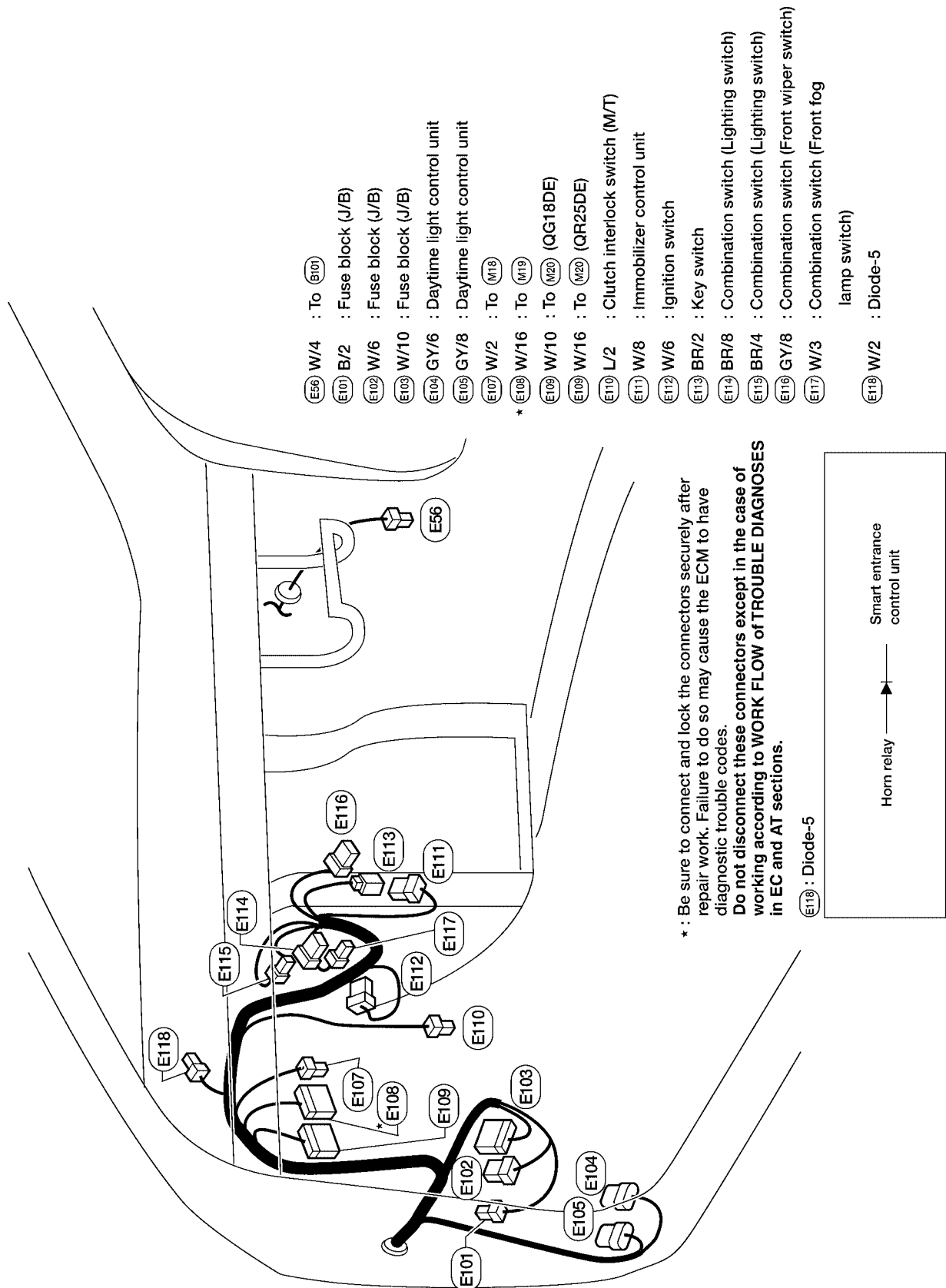


F2	[†] E1	GY/2	: Brake fluid level switch (with QG18DE)
F2	^{††} E1	GY/2	: Brake fluid level switch (with QR25DE)
F2	E3	GY/6	: Front wiper motor
E4	E4	B/3	: Front combination lamp LH
E3	E6	GY/2	: Dropping resistor
F2	E7	-	: Body ground
E2	E9	GY/9	: To ^(F47)
E3	E10	G/8	: To ^(F48)
E3	E11	BR/2	: Front wheel sensor LH
D4	E13	G/3	: Headlamp LH
E5	E15	B/2	: Front fog lamp LH
B3	E16	B/3	: Refrigerant pressure sensor
C3	E17	GY/4	: Cooling fan motor 1
C3	E18	GY/2	: Cooling fan motor 2 (with QG18DE)
C3	E18	GY/4	: Cooling fan motor 2 (with QR25DE)
E2	E20	-	: Fuse and fusible link box
E2	E21	-	: Fuse and fusible link box
D3	E22	W/3	: Fuse and fusible link box
D3	E23	W/4	: Fuse and fusible link box
E3	E24	W/6	: Fuse and fusible link box
D3	E25	B/6	: Fuse and fusible link box
D3	E26	W/1	: Fuse and fusible link box
D3	E27	B/1	: Fuse and fusible link box
E3	E28	-	: Battery (positive)
C4	E29	B/1	: Horn
A4	E30	B/2	: Front fog lamp RH

B3	E31	G/3	: Headlamp RH
B4	E32	-	: Body ground
B3	E33	-	: Generator
C3	E34	-	: Generator
C3	E35	GY/2	: Generator
C4	E36	B/1	: A/C compressor
A3	E37	-	: Body ground
A3	E38	B/3	: Front combination lamp RH
A4	E39	GY/2	: Front washer motor
A4	E40	BR/2	: Washer fluid level switch
A2	E42	-	: Relay box
B2	E43	BR/6	: Vehicle security lamp relay
B2	[*] E44	BR/6	: Cooling fan relay-3 (with QR25DE)
A2	E46	L/4	: Front fog lamp relay
A2	[*] E48	BR/6	: Cooling fan relay-1
A2	E49	W/3	: Horn relay
B2	E50	L/4	: A/C relay
A2	E51	L/4	: Clutch interlock relay (M/T)
B2	[†] E51	L/4	: Park/neutral position (PNP) relay (A/T)
B2	[*] E52	BR/6	: Cooling fan relay-2
C2	E53	GY/2	: Front wheel sensor RH
C3	E54	-	: Body ground
C2	E55	B/31	: ABS actuator and electric unit (control unit)
C4	E61	B/2	: Ambient air temperature sensor

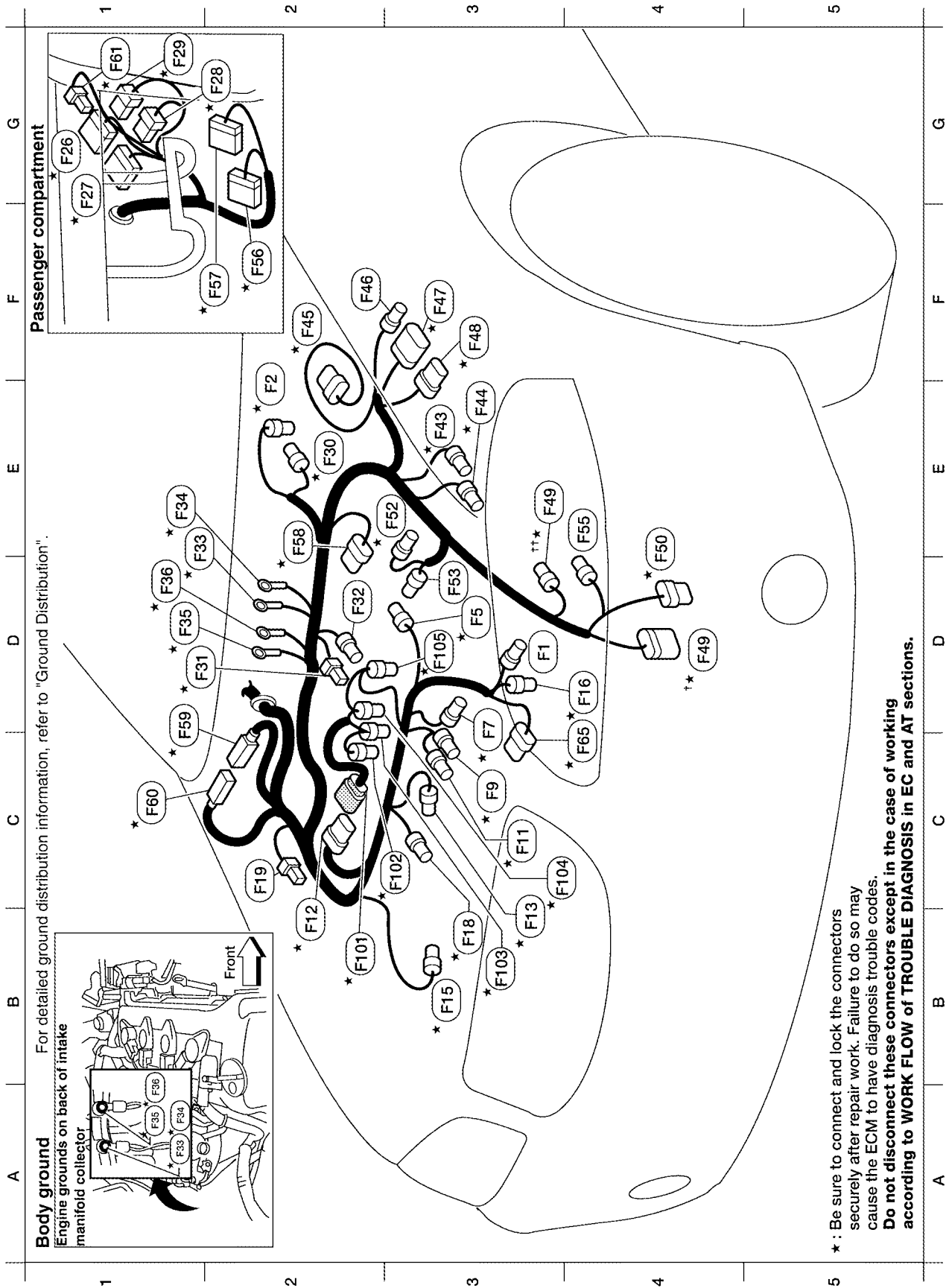
* : Be sure to connect and lock the connectors securely after repair work. Failure to do so may cause the ECM to have diagnostic trouble codes.
Do not disconnect these connectors except in the case of working according to WORK FLOW of TROUBLE DIAGNOSES in EC and AT sections.

HARNESS



HARNESS

ENGINE CONTROL HARNESS QG18DE (ULEV)



WKIA3336E

Engine control harness

D3	* (F1) G/4	: Heated oxygen sensor 1	F2	* (F45) B/6	: Mass air flow sensor
E2	* (F2) G/4	: Heated oxygen sensor 2	F2	(F46) GY/1	: To (EB)
D3	* (F5) L/2	: EVAP canister purge volume control solenoid valve	F3	* (F47) GY/9	: To (E9)
D3	* (F7) GY/3	: Ignition coil No. 4	F3	* (F48) GY/8	: To (E10)
C3	* (F9) GY/3	: Ignition coil No. 3	E3	** (F49) B/2	: Park/neutral position (PNP) switch (M/T)
C3	* (F11) GY/3	: Ignition coil No. 2	D4	* (F49) B/10	: Park/neutral position (PNP) switch (A/T)
B2	* (F12) GY/6	: To (F101)	D4	* (F50) B/8	: Terminal cord assembly (A/T)
B3	* (F13) GY/3	: Ignition coil No. 1	E3	* (F52) B/3	: Crankshaft position sensor (POS)
B3	* (F15) GY/2	: Engine coolant temperature sensor	D3	(F53) GY/1	: Starter motor
D4	* (F16) B/3	: Camshaft position sensor (PHASE)	E4	(F55) B/2	: Back-up lamp switch (M/T)
B3	* (F18) G/2	: Intake valve timing control solenoid valve	F2	* (F56) W/24	: TCM (Transmission control module) (A/T)
C2	(F19) W/2	: Condenser	F2	* (F57) GY/24	: TCM (Transmission control module) (A/T)
G1	* (F26) W/16	: To (M59)	E2	* (F58) G/6	: Electric throttle control actuator
F1	* (F27) BR/16	: To (M59)	D1	* (F59) SMJ	: ECM
G2	* (F28) W/6	: To (M60)	C1	* (F60) SMJ	: ECM
G1	* (F29) BR/6	: ECM Relay	G1	* (F61) L/4	: Throttle control motor relay
E2	* (F30) B/3	: Power steering pressure sensor	C4	* (F65) B/6	: Air fuel ratio (A/F) sensor 1
D1	* (F31) B/2	: Knock sensor			
D2	(F32) GY/1	: Oil pressure switch			
E1	* (F33) -	: Engine ground			
E1	* (F34) -	: Engine ground			
D1	* (F35) -	: Engine ground			
D1	* (F36) -	: Engine ground			
E3	* (F43) GY/2	: Vehicle speed sensor			
E3	* (F44) BR/3	: Revolution sensor (A/T)			

Engine control sub-harness

B2	* (F101) GY/6	: To (F12)
C3	* (F102) GY/2	: Injector No. 1
B3	* (F103) GY/2	: Injector No. 2
C4	* (F104) GY/2	: Injector No. 3
D3	* (F105) GY/2	: Injector No. 4

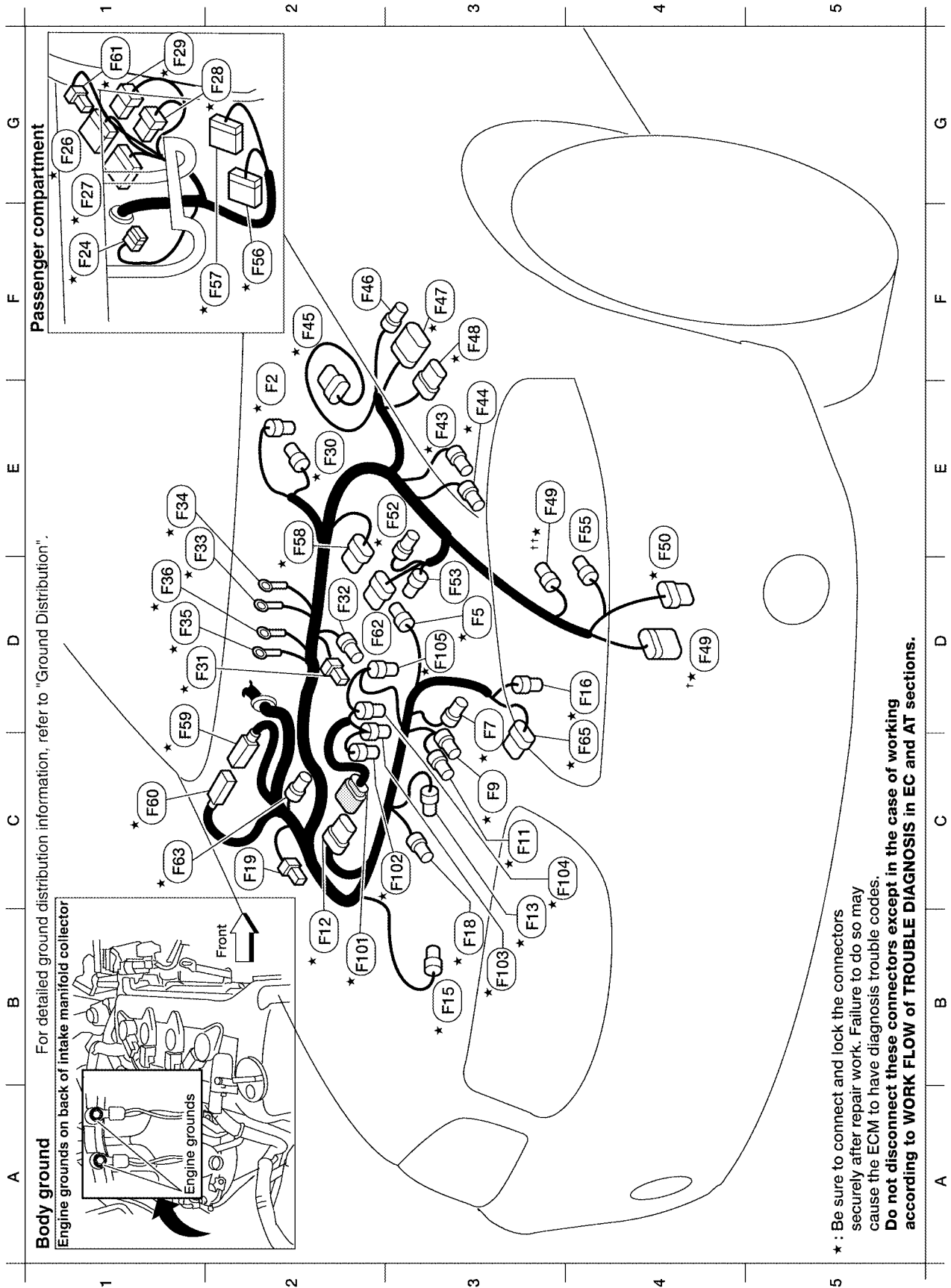
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Do not disconnect these connectors except in the case of working according to WORK FLOW of TROUBLE DIAGNOSES in EC and AT sections.

WK1A4468E

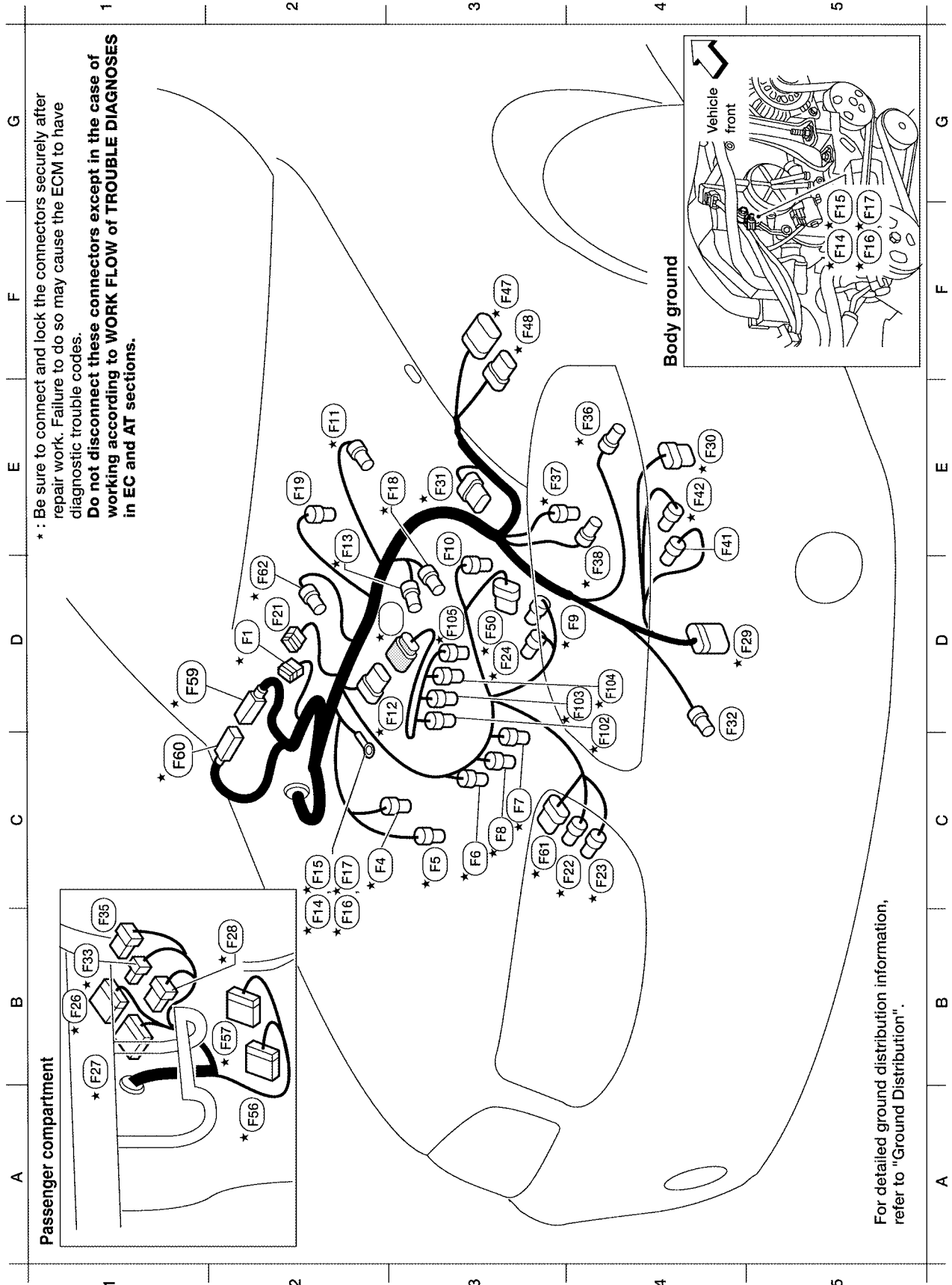
HARNESS

QG18DE (SULEV)



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

QR25DE



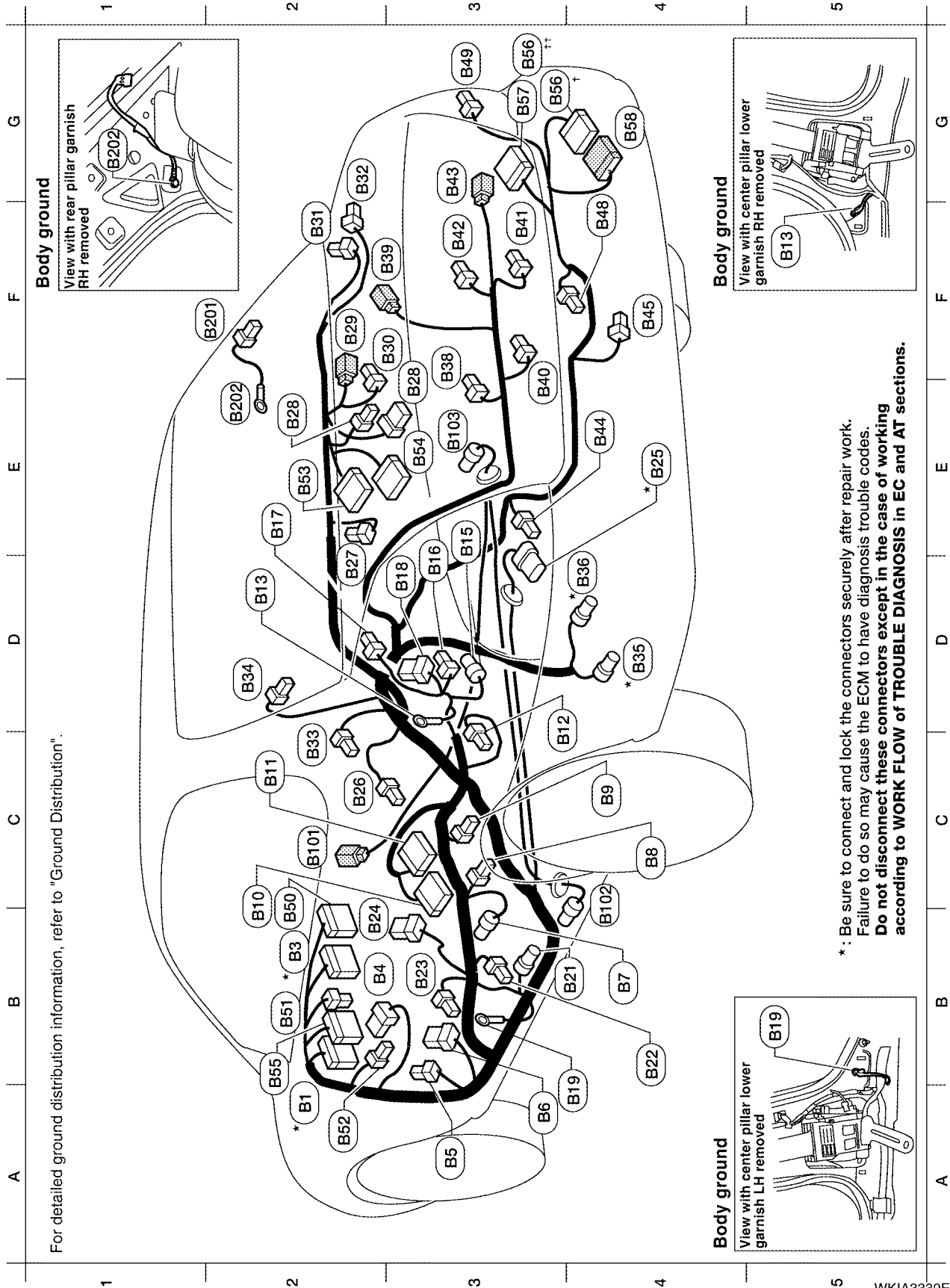
WKIA0973E

D2	* (F1)	BR/20	: Joint connector -1	E3	* (F31)	B/6	: Mass air flow sensor
C2	* (F4)	G/2	: Intake valve timing control solenoid valve	D4	(F32)	GY/1	: Starter motor
C3	* (F5)	GY/3	: Ignition coil No. 1	B1	* (F33)	L/4	: Throttle control motor relay
C3	* (F6)	GY/3	: Ignition coil No. 2	B1	* (F35)	BR/6	: ECM relay
C3	* (F7)	GY/3	: Ignition coil No. 4	E4	* (F36)	GY/2	: Vehicle speed sensor
C3	* (F8)	GY/3	: Ignition coil No. 3	E4	* (F37)	B/3	: Turbine revolution sensor (with A/T)
D4	* (F9)	B/3	: Camshaft position sensor (PHASE)	D4	* (F38)	B/3	: Revolution sensor (with A/T)
E3	* (F10)	L/2	: EVAP canister purge volume control solenoid valve	E4	(F41)	B/2	: Back-up lamp switch (with M/T)
E2	* (F11)	B/3	: Crankshaft position sensor	E4	* (F42)	B/2	: Park/neutral position (PNP) switch (with M/T)
D3	* (F12)	GY/6	: To (F10)	F3	* (F47)	GY/9	: To (E9)
E2	* (F13)	BR/2	: VIAS control solenoid valve	F3	* (F48)	GY/8	: To (E10)
B2	* (F14)	-	: Engine ground	D3	* (F50)	G/6	: Electric throttle control actuator
C2	* (F15)	-	: Engine ground	A2	* (F56)	W/24	: TCM (transmission control module) (with A/T)
B2	* (F16)	-	: Engine ground	B2	* (F57)	GY/24	: TCM (transmission control module) (with A/T)
C2	* (F17)	-	: Engine ground	D2	* (F59)	SMJ	: ECM
E3	* (F18)	B/2	: Knock sensor	C2	* (F60)	SMJ	: ECM
E2	* (F19)	GY/1	: Oil pressure switch	C3	* (F61)	B/6	: Air fuel ratio (A/F) sensor 1 (LEV Federal)
D2	(F21)	W/2	: Condenser	D2	* (F62)	B/3	: Power steering pressure sensor
C3	* (F22)	G/4	: Heated oxygen sensor 1 (except LEV Federal)	Engine Control Sub-harness			
C4	* (F23)	G/4	: Heated oxygen sensor 2	D3	* (F101)	B/6	: To (F12)
D3	* (F24)	GY/2	: Engine coolant temperature sensor	D4	* (F102)	GY/2	: Injector No. 1
B1	* (F26)	W/16	: To (M58)	D4	* (F103)	GY/2	: Injector No. 2
B1	* (F27)	W/24	: To (M59)	D4	* (F104)	GY/2	: Injector No. 3
B2	* (F28)	W/6	: To (M60)	D3	* (F105)	GY/2	: Injector No. 4
D4	* (F29)	B/10	: Park/neutral position (PNP) switch (with A/T)				
E4	* (F30)	B/8	: Terminal cord assembly (with A/T)				

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

BODY HARNESS



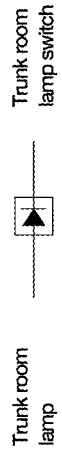
WKIA3339E
WKIA3339E

Body harness

A2 *	B1	BR/16	: To (M14)
B2 *	B3	W/20	: To (M16)
B2	B4	W/8	: Fuse block (J/B)
A3	B5	L/4	: Fuel pump relay
A3	B6	BR/6	: Rear window defogger relay
B4	B7	Y/2	: Front LH side air bag module
C4	B8	W/3	: Seat belt buckle switch LH
C4	B9	B/1	: Parking brake switch
C2	B10	Y/12	: Air bag diagnosis sensor unit
C2	B11	Y/12	: Air bag diagnosis sensor unit
D4	B12	Y/2	: Front RH side air bag module
D2	B13	-	: Body ground
E3	B15	Y/2	: RH side air bag (satellite) sensor
E3	B16	Y/2	: Front RH seat belt pre-tensioner
E2	B17	W/3	: Front door switch RH
D3	B18	W/8	: To (D301)
A4	B19	-	: Body ground
B3	B21	Y/2	: LH side air bag (satellite) sensor
B4	B22	Y/2	: Front LH seat belt pre-tensioner
B3	B23	W/3	: Front door switch LH
B2	B24	W/8	: To (D201)
E4 *	B25	GY/5	: Fuel level sensor unit and fuel pump
C2	B26	W/1	: Rear door switch LH
E2	B27	BR/2	: Rear speaker LH
E3	B28	W/8	: Subwoofer (with mid level audio system)
E2	B28	W/4	: Subwoofer (with premium audio system)
F2	B29	W/2	: High-mounted stop lamp (without rear air spoiler)
F3	B30	W/2	: Trunk room lamp
F2	B31	BR/2	: Rear speaker RH

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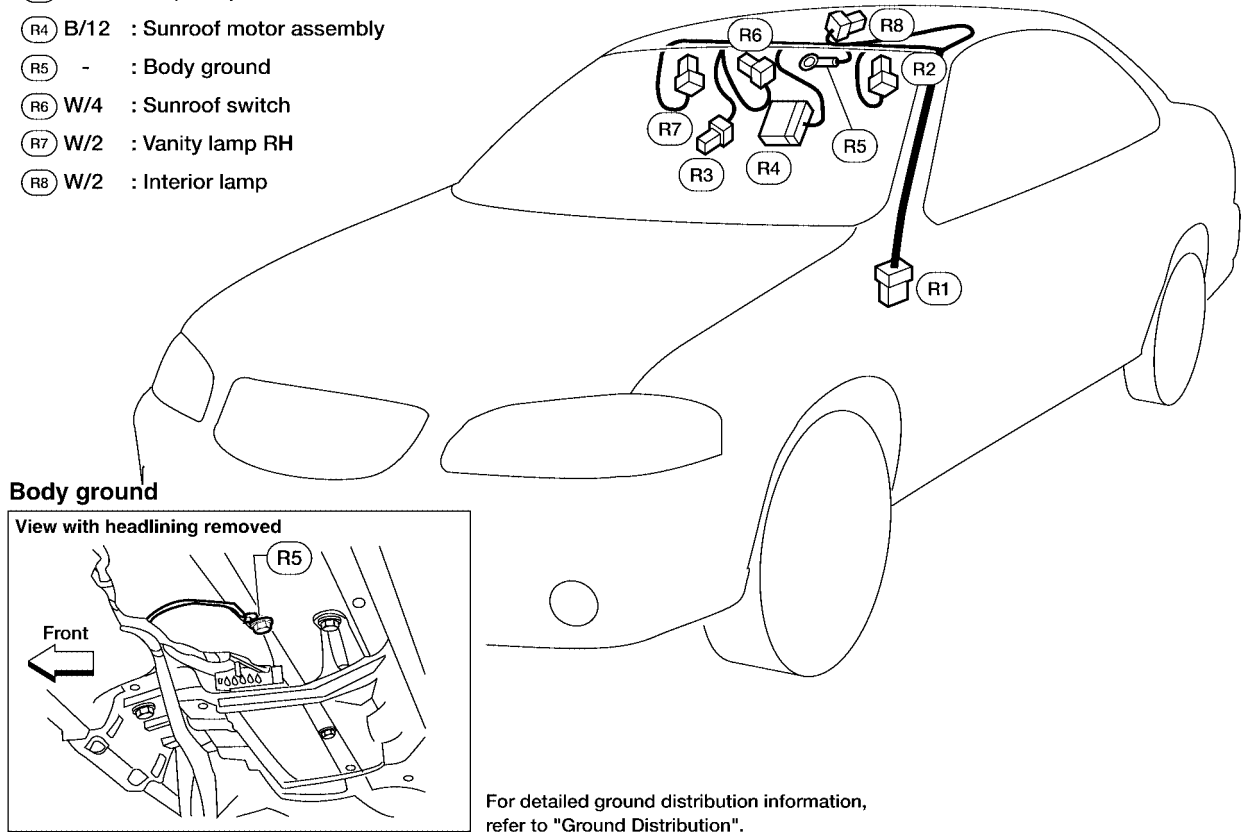
G2	(B32)	W/1	: Rear door switch RH
C2	(B33)	W/2	: Diode-4
D2	(B34)	B/1	: Rear window defogger
D4	(B35)	B/2	: EVAP canister vent control valve
D4 *	(B36)	GY/3	: EVAP control system pressure sensor
F3	(B38)	W/2	: Back-up lamp LH
F2	(B39)	BR/2	: High-mounted stop lamp (with rear air spoiler)
E3	(B40)	W/2	: License plate lamp LH
F3	(B41)	W/2	: License plate lamp RH
F3	(B42)	W/2	: Back-up lamp RH
G3	(B43)	W/2	: Trunk lid key cylinder switch (unlock switch) (with vehicle security system)
E4	(B44)	W/4	: Rear combination lamp LH
F4	(B45)	W/4	: Trunk lid opener actuator
F4	(B48)	W/2	: Trunk room lamp switch
G3	(B49)	W/4	: Rear combination lamp RH
B2	(B50)	W/12	: To (M65)
B2	(B51)	W/2	: To (M67)
A2	(B52)	W/4	: To (D9)
E2	(B53)	W/12	: Audio amplifier (with premium audio system)
E3	(B54)	W/12	: Audio amplifier (with premium audio system)
B2	(B55)	W/24	: To (M68)
G3 **	(B56)	W/16	: Satellite radio tuner (pre-wiring)
G3 †	(B56)	W/16	: To (B56) (with CD autochanger)
G3	(B56)	W/16	: To (B56) (with CD autochanger)
G3	(B57)	W/16	: Satellite radio tuner (pre-wiring) (with CD autochanger)
Body No. 2 harness			
C2	(B101)	W/4	: To (E56)
C4	(B102)	BR/2	: Rear wheel sensor LH
E3	(B103)	GY/2	: Rear wheel sensor RH
Rear window defogger ground sub-harness			
F2	(B201)	B/1	: Rear window defogger
E2	(B202)	-	: Body ground
(B33) : Diode-4			



HARNESS

ROOM LAMP HARNESS

- (R1) W/6 : To (M25)
- (R2) W/2 : Vanity lamp LH
- (R3) W/3 : Map lamp
- (R4) B/12 : Sunroof motor assembly
- (R5) - : Body ground
- (R6) W/4 : Sunroof switch
- (R7) W/2 : Vanity lamp RH
- (R8) W/2 : Interior lamp



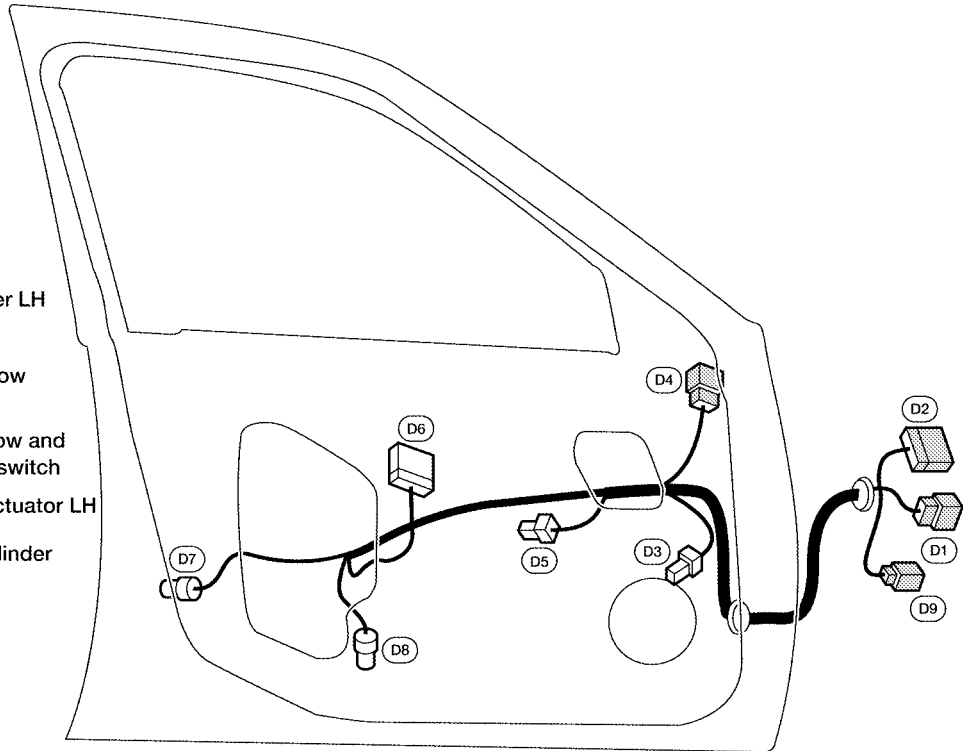
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A
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HARNESS

FRONT DOOR HARNESS LH SIDE

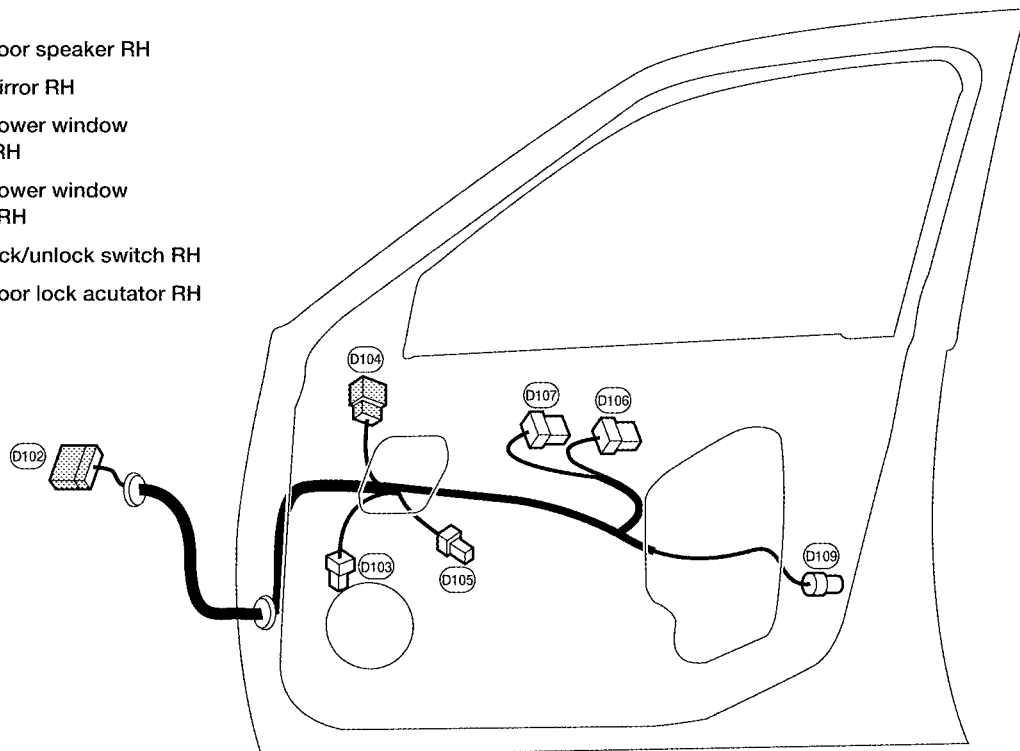
- (D1) W/8 : To (M4)
- (D2) W/16 : To (M5)
- (D3) W/2 : Front door speaker LH
- (D4) GY/6 : Door mirror LH
- (D5) B/2 : Front power window motor LH
- (D6) W/16 : Main power window and door lock/unlock switch
- (D7) SB/4 : Front door lock actuator LH
- (D8) BR/3 : Front door key cylinder switch LH
- (D9) W/4 : To (B52)



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RH SIDE

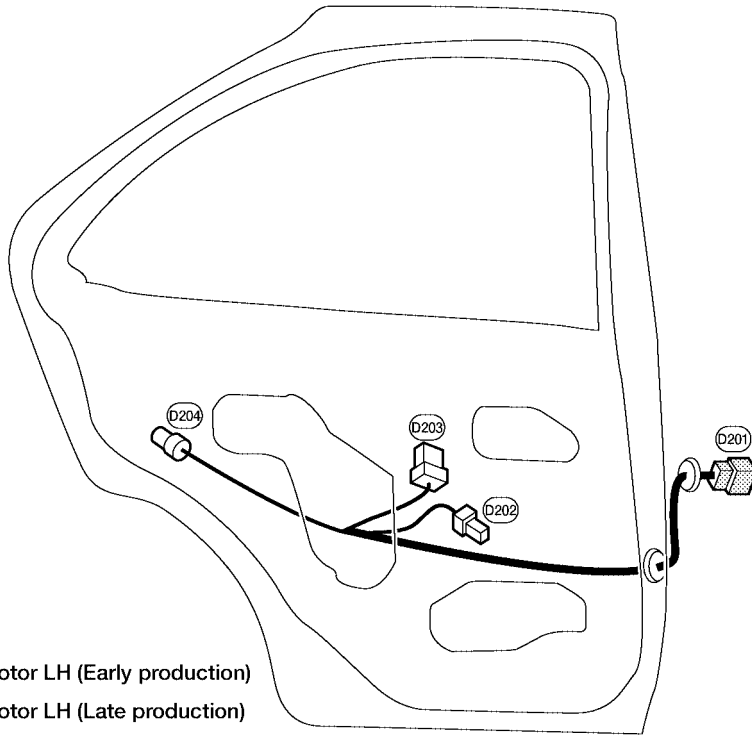
- (D102) W/16: To (M64)
- (D103) W/2 : Front door speaker RH
- (D104) GY/6 : Door mirror RH
- (D105) B/2 : Front power window motor RH
- (D106) W/8 : Front power window switch RH
- (D107) GY/8 : Door lock/unlock switch RH
- (D109) SB/4 : Front door lock acutator RH



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HARNESS

REAR DOOR HARNESS LH SIDE

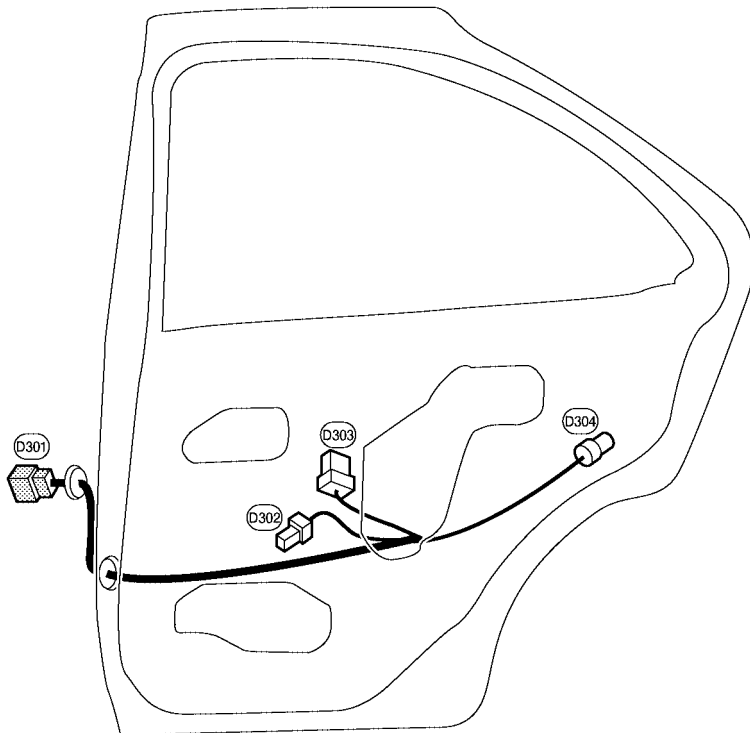


- D201 W/8 : To B24
- D202 B/2 : Rear power window motor LH (Early production)
- D202 GY/2 : Rear power window motor LH (Late production)
- D203 W/8 : Rear power window switch LH
- D204 SB/4 : Rear door lock actuator LH

WKIA2769E

RH SIDE

- D301 W/8 : To B16
- D302 B/2 : Rear power window motor RH
(Early production)
- D302 GY/2 : Rear power window motor RH
(Late production)
- D303 W/8 : Rear power window switch RH
- D304 SB/4 : Rear door lock actuator RH



WKIA2770E

HARNESS

Wiring Diagram Codes (Cell Codes)

EKS003B3

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
ABS	BRC	Anti-lock Brake System
A/C,M	MTC	Air Conditioner
A/F	EC	Air Fuel Ratio (A/F) Sensor 1
A/FH	EC	Air Fuel Ratio (A/F) Sensor 1 Heater
APPS1	EC	Accelerator Pedal Position Sensor
APPS2	EC	Accelerator Pedal Position Sensor
APPS3	EC	Accelerator Pedal Position Sensor
ASC/BS	EC	ASCD Brake Switch
ASCBOF	EC	ASCD Brake Switch
ASCIND	EC	ASCD Indicator
ASC/SW	EC	ASCD Steering Switch
AUDIO	AV	Audio
B/COMP	DI	Board computer
BACK/L	LT	Back-up Lamp
BA/FTS	AT	A/T Fluid Temperature Sensor and TCM Power Supply
BRK/SW	EC	Brake Switch
CAN	AT	CAN Communication Line
CAN	EC	CAN Communication Line
CAN	LAN	CAN Communication Line
CHARGE	SC	Charging System
CHIME	DI	Warning Chime
CIGAR	WW	Cigarette Lighter
COOL/F	EC	Cooling Fan Control
DEF	GW	Rear Window Defogger
DLC	EC	Data Link Connector
D/LOCK	BL	Power Door Lock
DTRL	LT	Headlamp - With Daytime Light System (For Canada)
ECM/PW	EC	ECM Power Supply For Back-Up
ECTS	EC	Engine Coolant Temperature Sensor
ENGSS	AT	Engine Speed Signal
ETC1	EC	Electric Throttle Control Function
ETC2	EC	Throttle Control Motor Relay
ETC3	EC	Throttle Control Motor
F/FOG	LT	Front Fog Lamp
F/PUMP	EC	Fuel Pump Control
FTS	AT	A/T Fluid Temperature Sensor
FTTS	EC	Fuel Tank Temperature Sensor

HARNESS

Code	Section	Wiring Diagram Name	
FUEL	EC	Fuel Injection System Function	A
HEATER	MTC	Heater System	
H/LAMP	LT	Headlamp	B
H/MIRR	GW	Heated Mirror	
HO2S1	EC	Heated Oxygen Sensor 1	
HO2S1H	EC	Heated Oxygen Sensor 1 Heater	C
HO2S2	EC	Heated Oxygen Sensor 2	
HO2S2H	EC	Heated Oxygen Sensor 2 Heater	D
HORN	WW	Horn	
IATS	EC	Intake Air Temperature Sensor	
IGNSYS	EC	Ignition Signal	E
ILL	LT	Illumination	
INJECT	EC	Injector	
INT/L	LT	Interior, Step, Spot, Vanity Mirror and Trunk Room Lamps	F
IVC	EC	Intake Valve Timing Control Solenoid Valve	
KEYLES	BL	Remote Keyless Entry System	G
KS	EC	Knock Sensor	
LOAD	EC	Load Signal	
LPSV	AT	Line Pressure Solenoid Valve	H
MAFS	EC	Mass Air Flow Sensor	
MAIN	AT	Main Power Supply and Ground Circuit	I
MAIN	EC	Main Power Supply and Ground Circuit	
METER	DI	Speedometer, Tachometer, Temp., and Fuel Gauges	
MIL/DL	EC	Malfunction Indicator Lamp and Data Link Connector	J
MIRROR	GW	Power Door Mirror	
NATS	BL	NVIS (Nissan Vehicle Immobilizer System — NATS)	PG
NONDTC	AT	Non-detectable Items	
OVRCSV	AT	Overrun Clutch Solenoid Valve	
PGCV	EC	EVAP Canister Purge Volume Control Solenoid Valve	L
PHASE	EC	Camshaft Position Sensor (PHASE)	
PNP/SW	AT	Park/Neutral Position Switch	
PNP/SW	EC	Park/Neutral Position Switch	M
POS	EC	Crankshaft Position Sensor (POS)	
POWER	PG	Power Supply Routing	
PRE/SE	EC	EVAP Control System Pressure Sensor	
PS/SEN	EC	Power Steering Pressure Sensor	
ROOM/L	LT	Room Lamp	
RP/SEN	EC	Refrigerant Pressure Sensor	
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	

HARNESS

Code	Section	Wiring Diagram Name
START	SC	Starting System
STOP/L	LT	Stop Lamp
SWL/S	EC	Swirl Control Valve Position Sensor [QG18DE (SULEV)]
SWL/V	EC	Swirl Control Valve [QG18DE (SULEV)]
TAIL/L	LT	Parking, License and Tail Lamps
TCCSIG	AT	A/T TCC Signal (Lock Up)
TCV	AT	Torque Converter Clutch Solenoid Valve
TLID	BL	Trunk Lid Opener
TPS	AT	Throttle Position Sensor
TPS1	EC	Throttle Position Sensor
TPS2	EC	Throttle Position Sensor
TPS3	EC	Throttle Position Sensor
TRSA/T	AT	Turbine Revolution Sensor (QR25DE Model)
TURN	LT	Turn Signal and Hazard Warning Lamps
VIAS	EC	Variable Air Induction Control System (QR25DE Model)
VEHSEC	BL	Vehicle Security System
VENT/V	EC	EVAP Canister Vent Control Valve
VSS	EC	Vehicle Speed Sensor
VSSA/T	AT	Vehicle Speed Sensor A/T (Revolution Sensor)
VSSMTR	AT	Vehicle Speed Sensor MTR
WARN	DI	Warning Lamps
WINDOW	GW	Power Window
WIPER	WW	Front Wiper and Washer

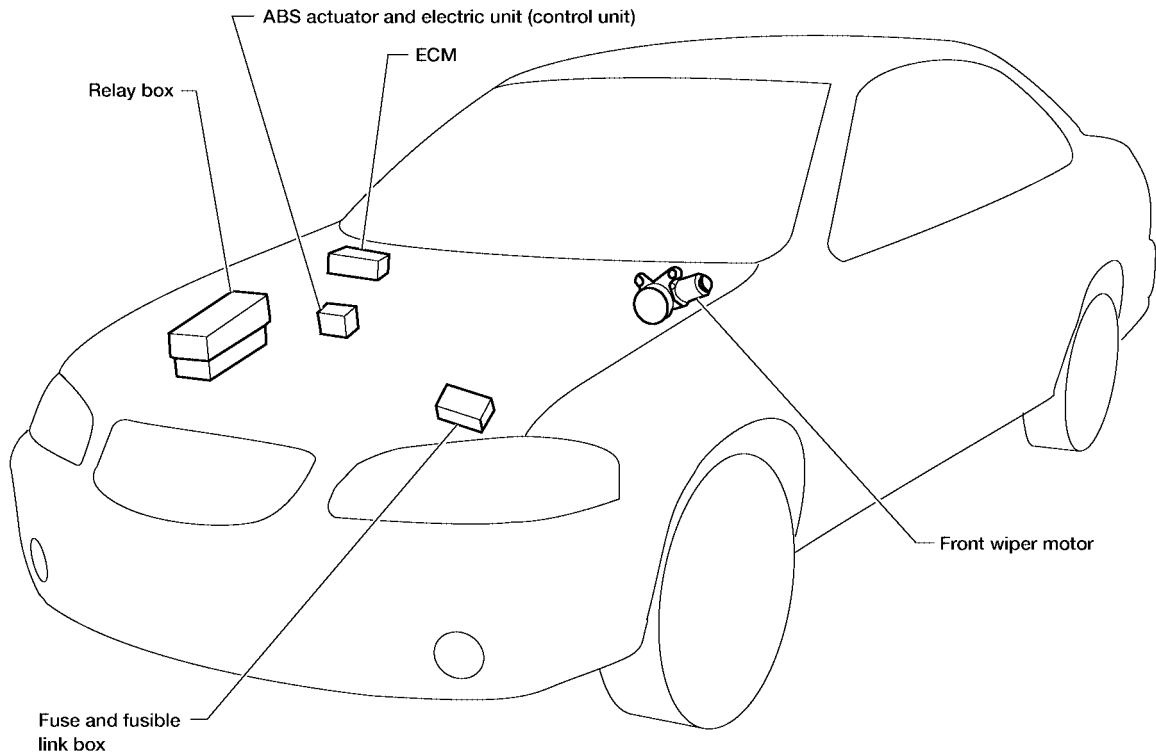
ELECTRICAL UNITS LOCATION

ELECTRICAL UNITS LOCATION

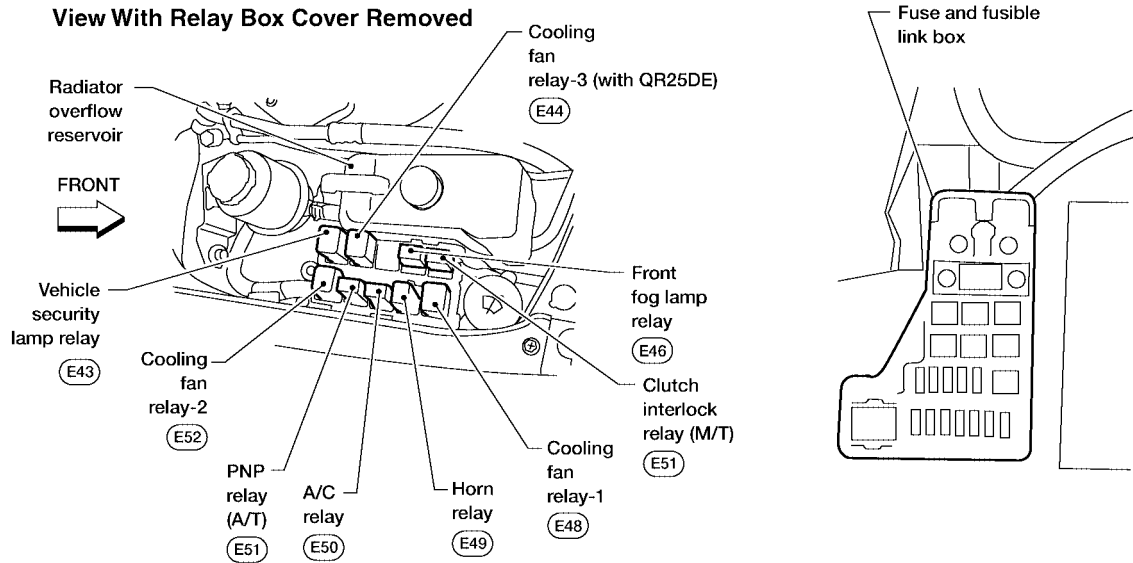
PFP:25230

Electrical Units Location ENGINE COMPARTMENT

EKS003B4



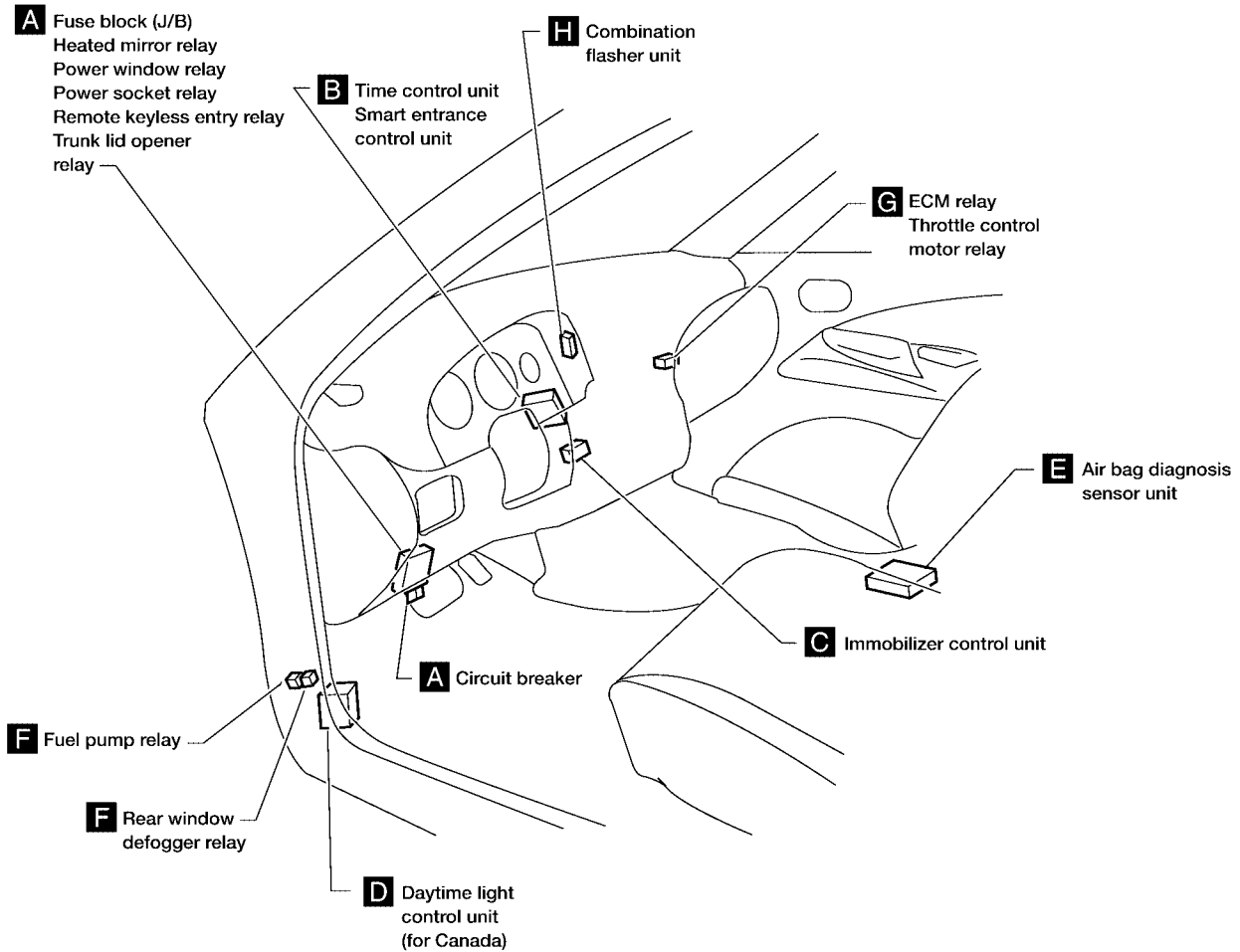
View With Relay Box Cover Removed



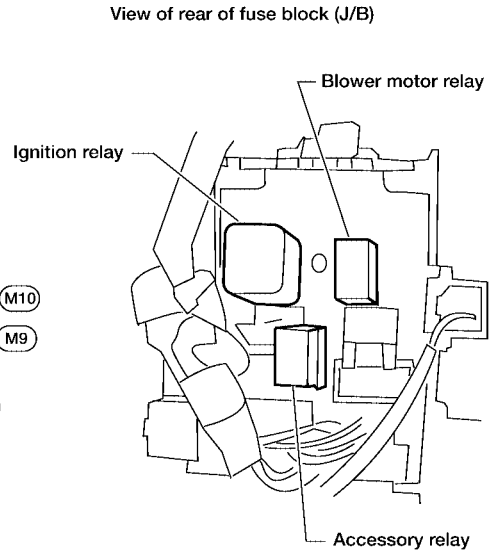
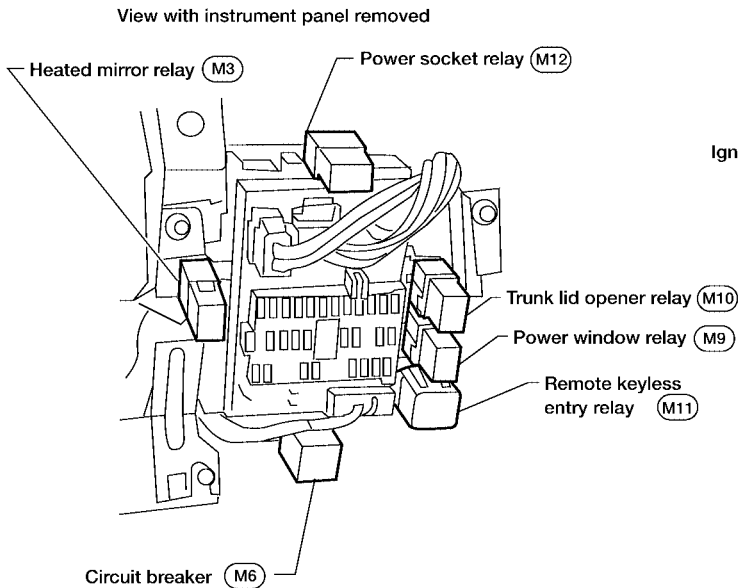
WKIA0980E

ELECTRICAL UNITS LOCATION

PASSENGER COMPARTMENT

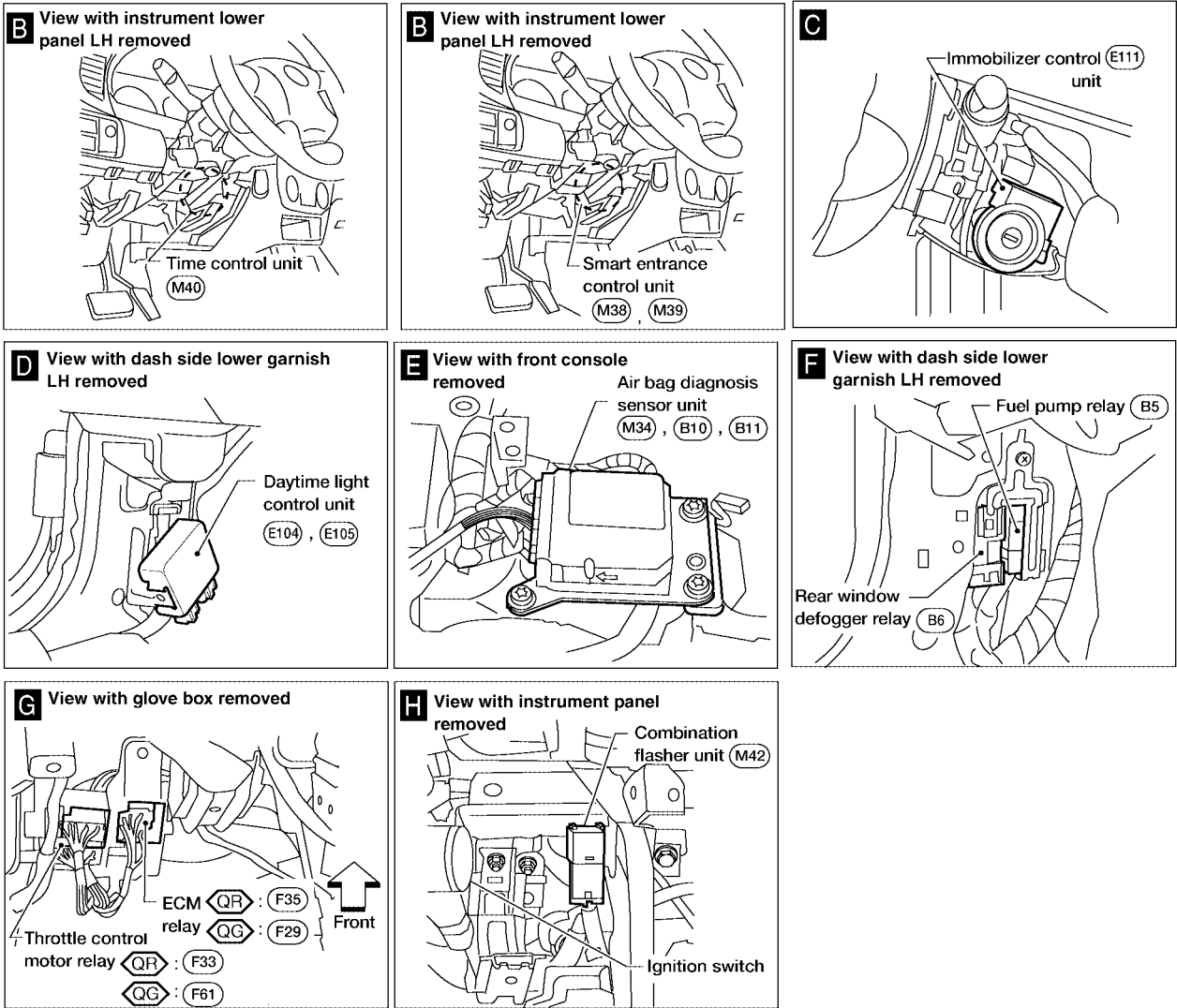


A Instrument panel LH side



WKIA0249E

ELECTRICAL UNITS LOCATION



QR : WITH QR25DE
QG : WITH QG18DE

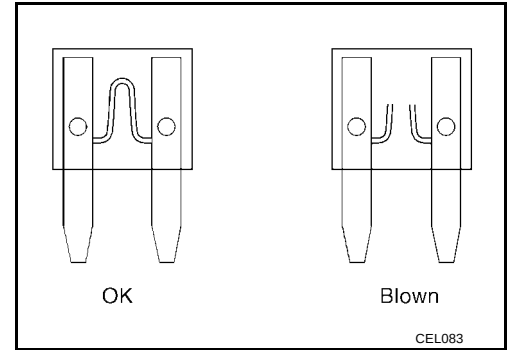
WKIA0981E

ELECTRICAL UNITS LOCATION

Fuse

EKS003B5

- If fuse is blown, be sure to eliminate cause of incident 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.



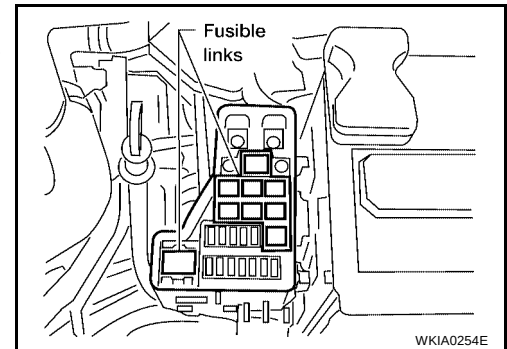
Fusible Link

EKS003B6

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 incident.
- Never wrap outside of fusible link with vinyl tape. Important: Never let fusible link touch any other wiring harness, vinyl or rubber parts.



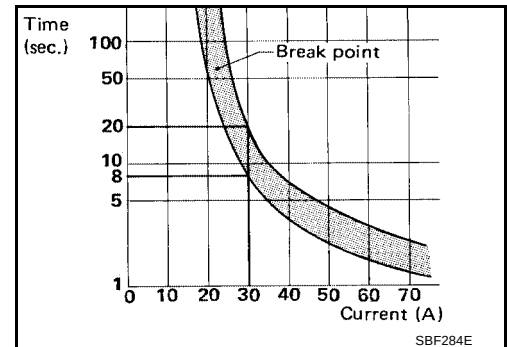
Circuit Breaker

EKS003B7

For example, when current is 30A, the circuit is broken within 8 to 20 seconds.

A circuit breaker is used for the following systems:

- Power door locks
- Power sunroof
- Power windows
- Remote keyless entry system



HARNESS CONNECTOR

PFP:24010

EKS003B8

Description

HARNESS CONNECTOR (TAB-LOCKING TYPE)

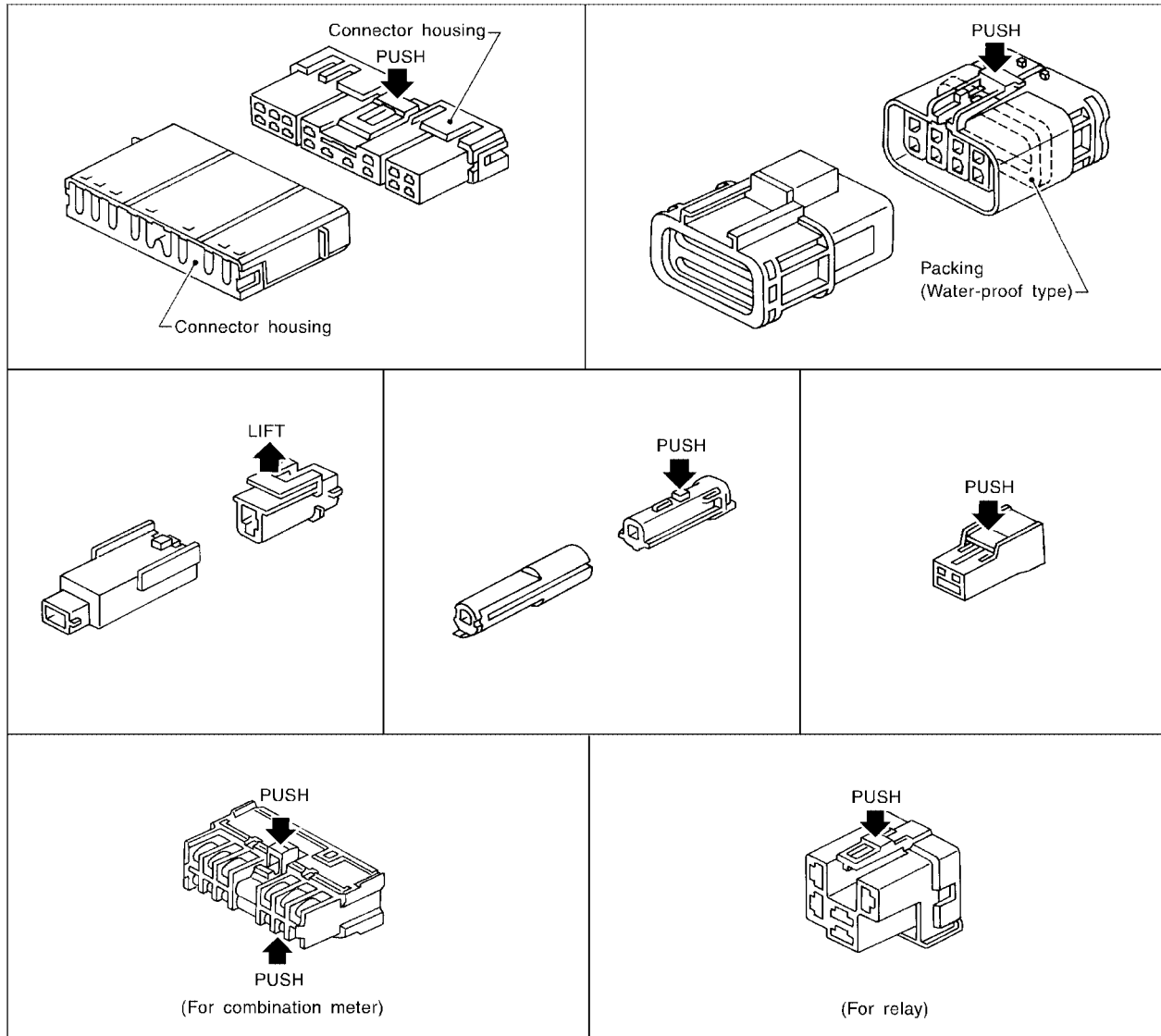
- The tab-locking type connectors help prevent accidental looseness or disconnection.
- The tab-locking type connectors are disconnected by pushing or lifting the locking tab(s). Refer to the illustration below.

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

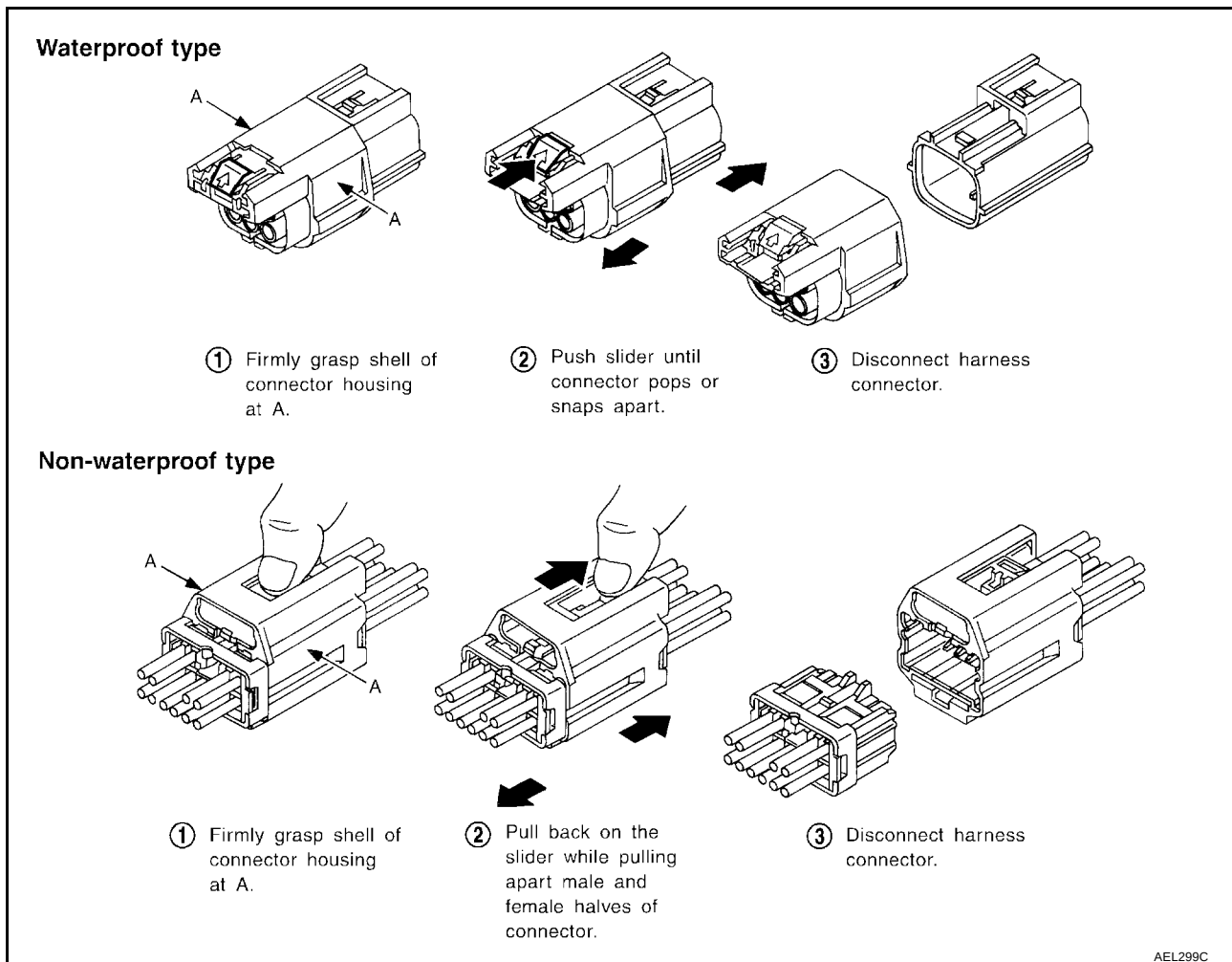
HARNESS CONNECTOR (SLIDE-LOCKING TYPE)

- 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 illustration 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]



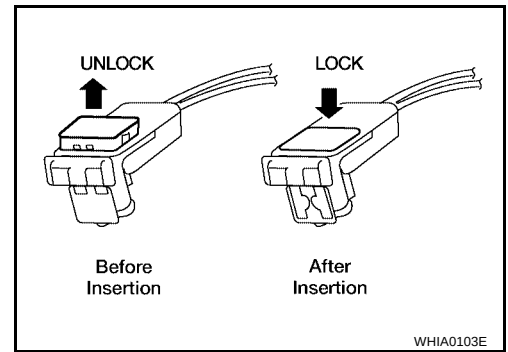
HARNESS CONNECTOR

HARNESS CONNECTOR (DIRECT-CONNECT SRS COMPONENT TYPE)

- SRS direct-connect type harness connectors are used on certain SRS components such as air bag modules and seat belt pre-tensioners.
- Always pull up to release black locking tab prior to removing connector from SRS component.
- Always push down to lock black locking tab after installing connector to SRS component. When locked, the black locking tab is level with the connector housing.

CAUTION:

- **Do not pull the harness or wires when removing connectors from SRS components.**



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

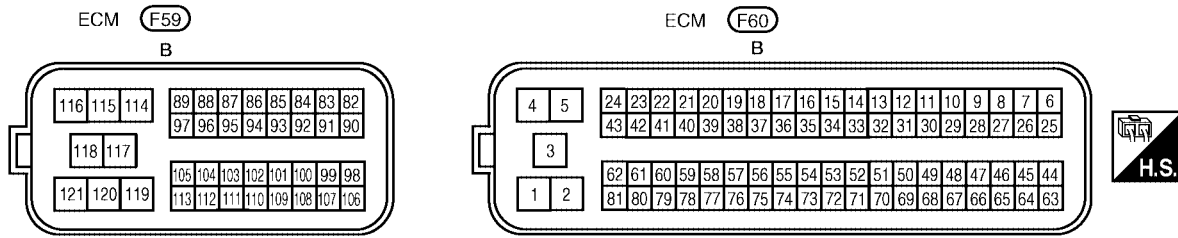
PG

ELECTRICAL UNITS

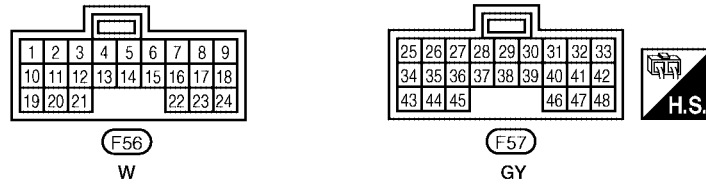
ELECTRICAL UNITS Terminal Arrangement

PFP:23710

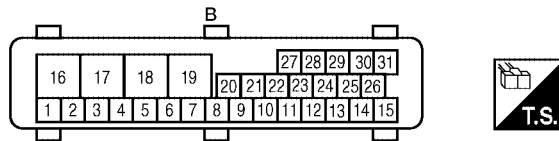
EKS003BA



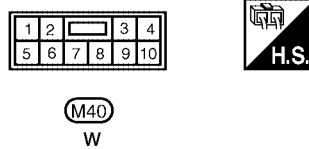
TCM (TRANSMISSION CONTROL MODULE)



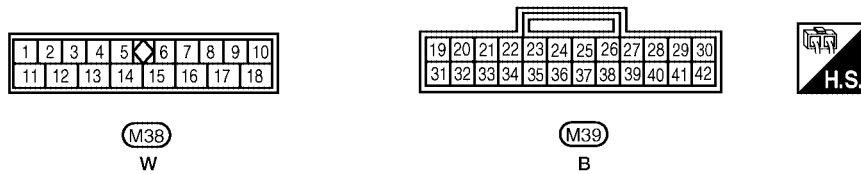
ABS ACTUATOR AND ELECTRIC UNIT
(CONTROL UNIT) (E55) B



TIME CONTROL UNIT : (OD)



SMART ENTRANCE CONTROL UNIT : (DL)



(OD) : WITHOUT POWER DOOR LOCKS
(DL) : WITH POWER DOOR LOCKS

WKIA0983E

STANDARDIZED RELAY

PFP:25230

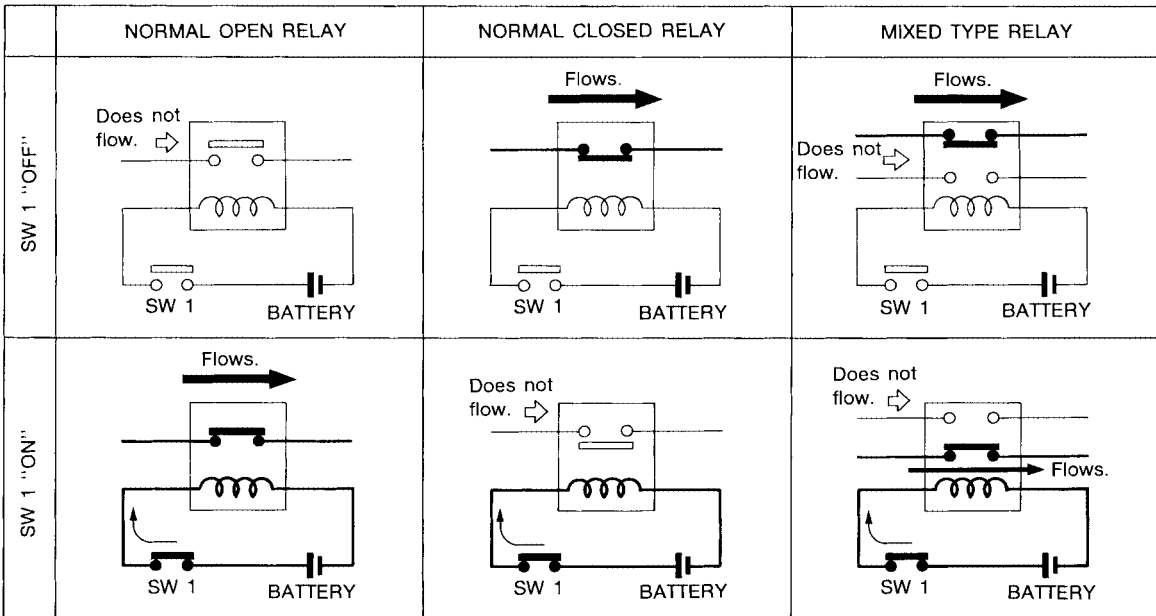
EKS003BB

STANDARDIZED RELAY

Description

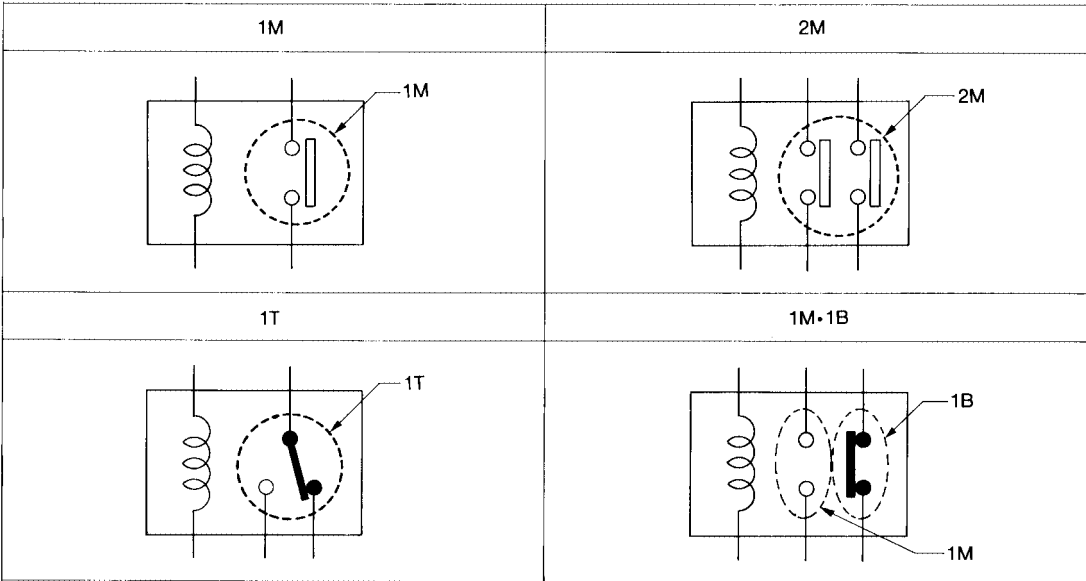
NORMAL OPEN, NORMAL CLOSED AND MIXED TYPE RELAYS

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



SEL881H

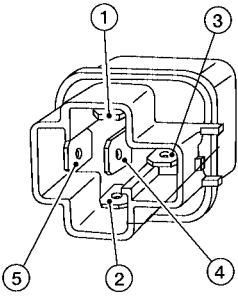
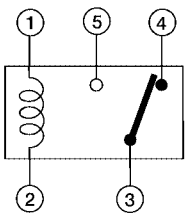
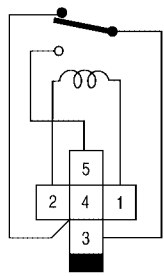
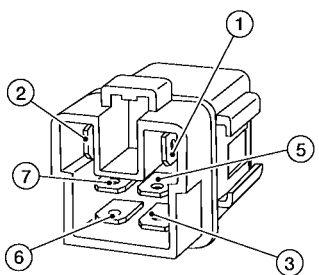
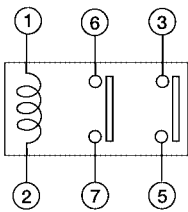
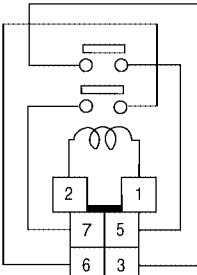
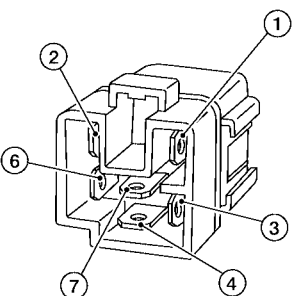
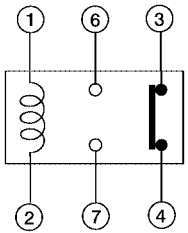
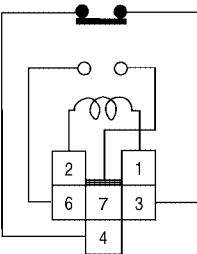
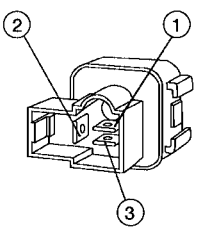
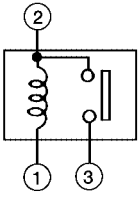
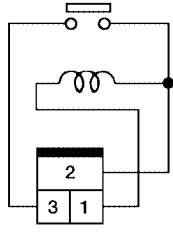
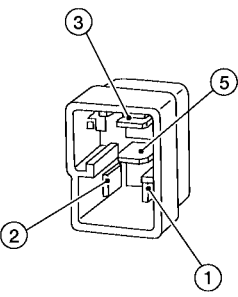
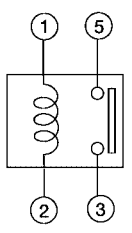
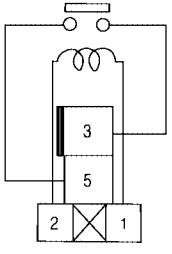
TYPE OF STANDARDIZED RELAYS



SEL882H

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

STANDARDIZED RELAY

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

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

WKIA0253E

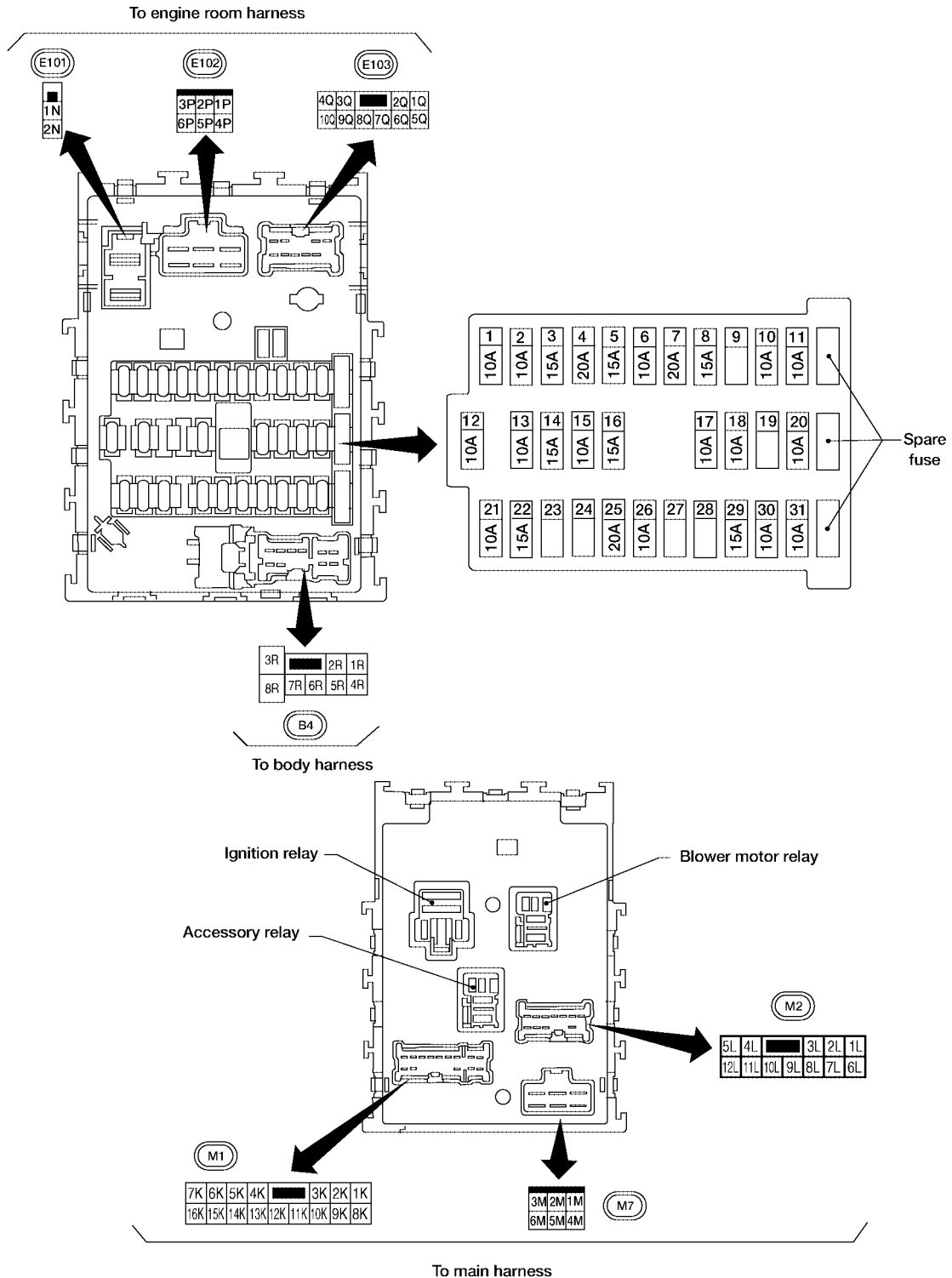
FUSE BLOCK — JUNCTION BOX (J/B)

FUSE BLOCK — JUNCTION BOX (J/B)

PFP:24350

Terminal Arrangement

EKS003BC



WKIA0984E

FUSE AND FUSIBLE LINK BOX

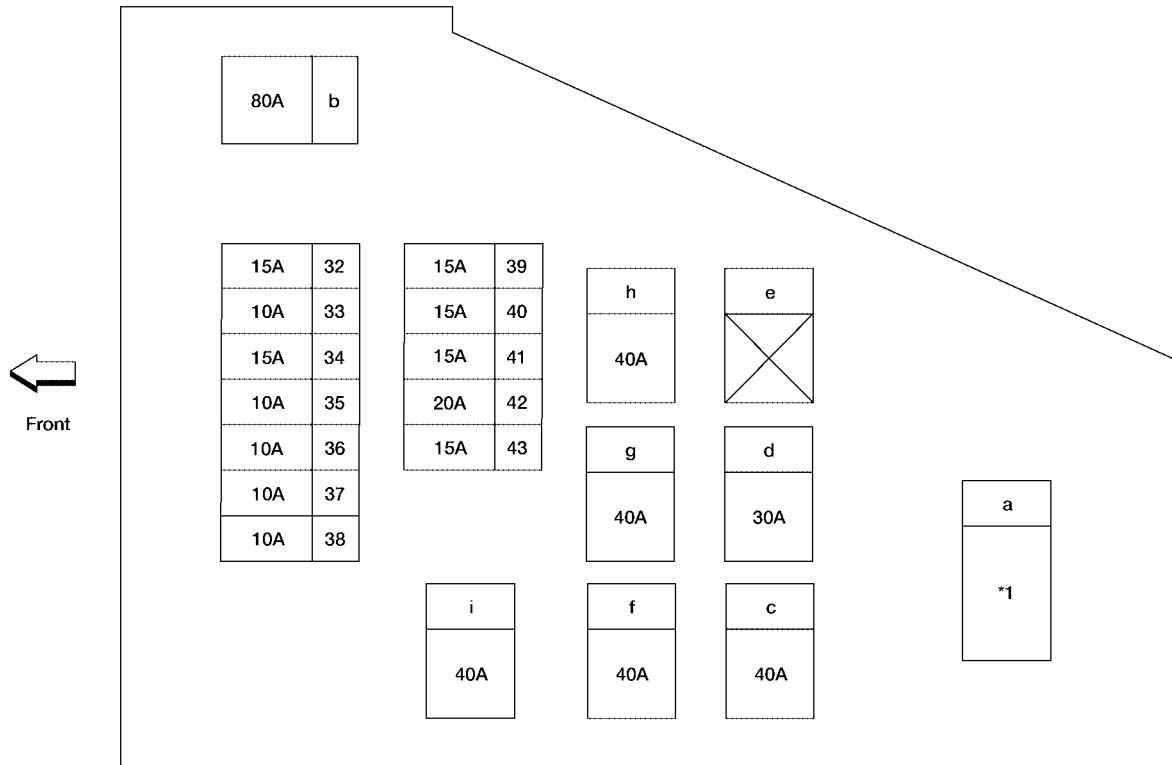
FUSE AND FUSIBLE LINK BOX

PFP:24381

Terminal Arrangement

EKS003BD

QG : With QG18DE
QR : With QR25DE



No. 32 - 43 : FUSE

a - i : FUSIBLE LINK

*1 QG : 100A
QR : 120A

WKIA0985E