SECTION PG

POWER SUPPLY, GROUND & CIRCUIT ELEMENTS

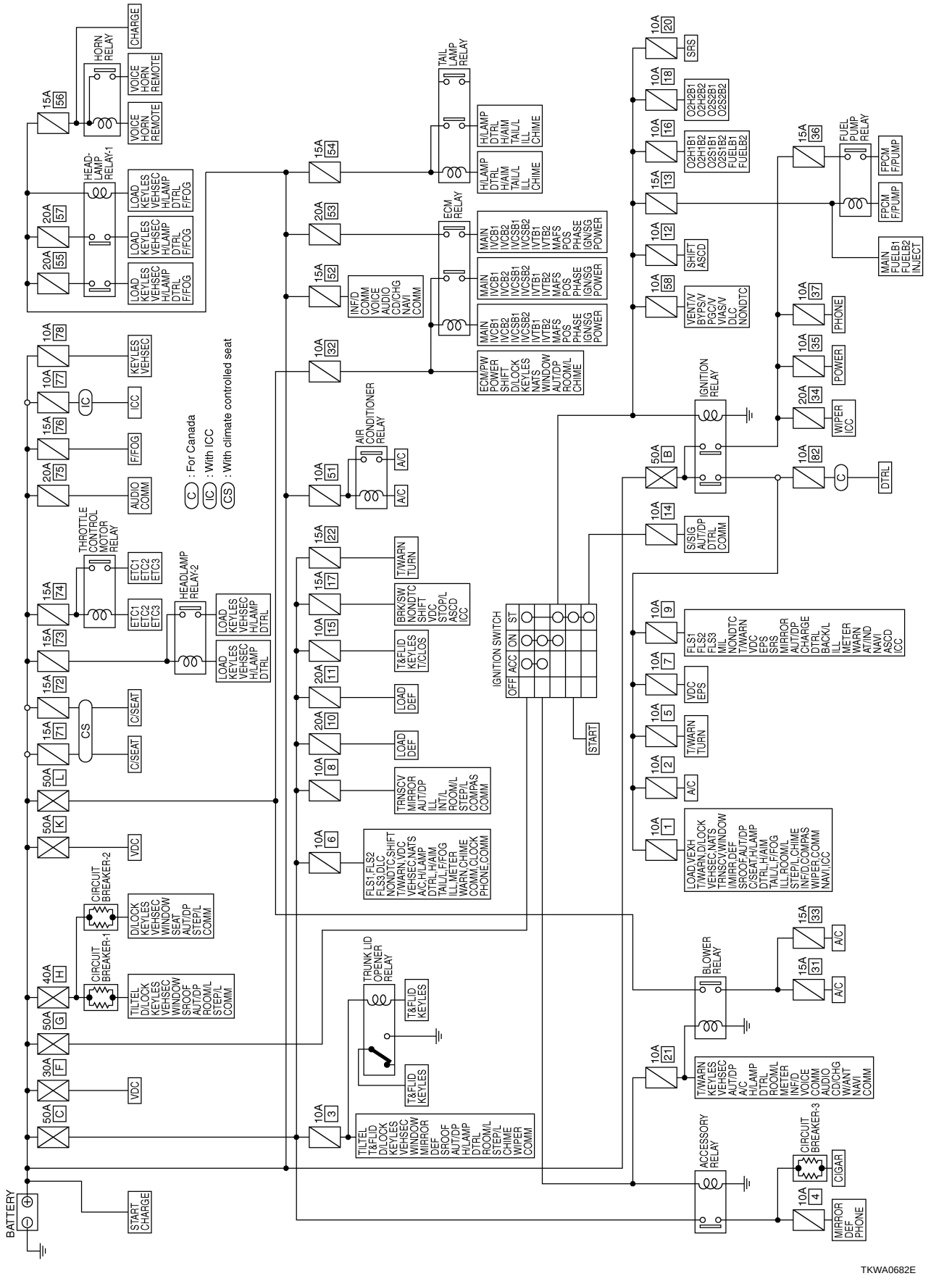
CONTENTS

POWER SUPPLY ROUTING

PFP:00011

Schematic

AKS002RQ

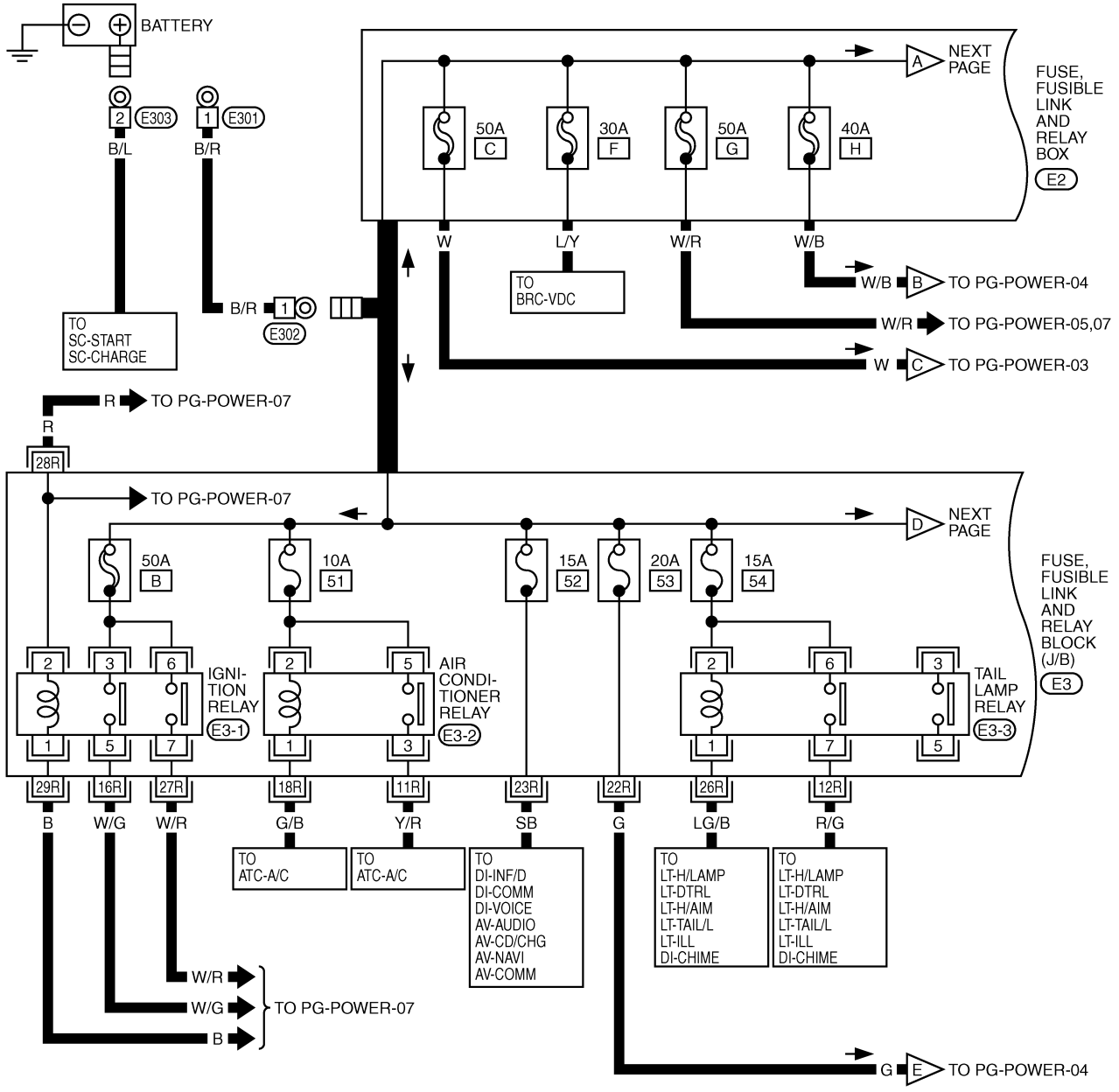


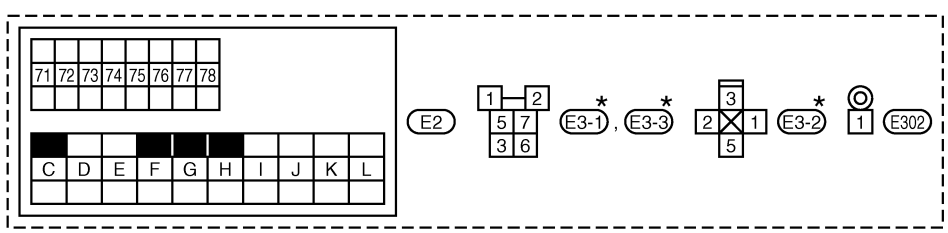
Wiring Diagram — POWER —

AKS002RR

BATTERY POWER SUPPLY— IGNITION SW. IN ANY POSITION

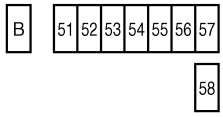
PG-POWER-01

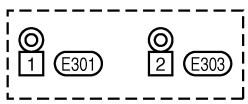




REFER TO THE FOLLOWING.

E3 -FUSE,FUSIBLE LINK AND RELAY BLOCK (J/B)



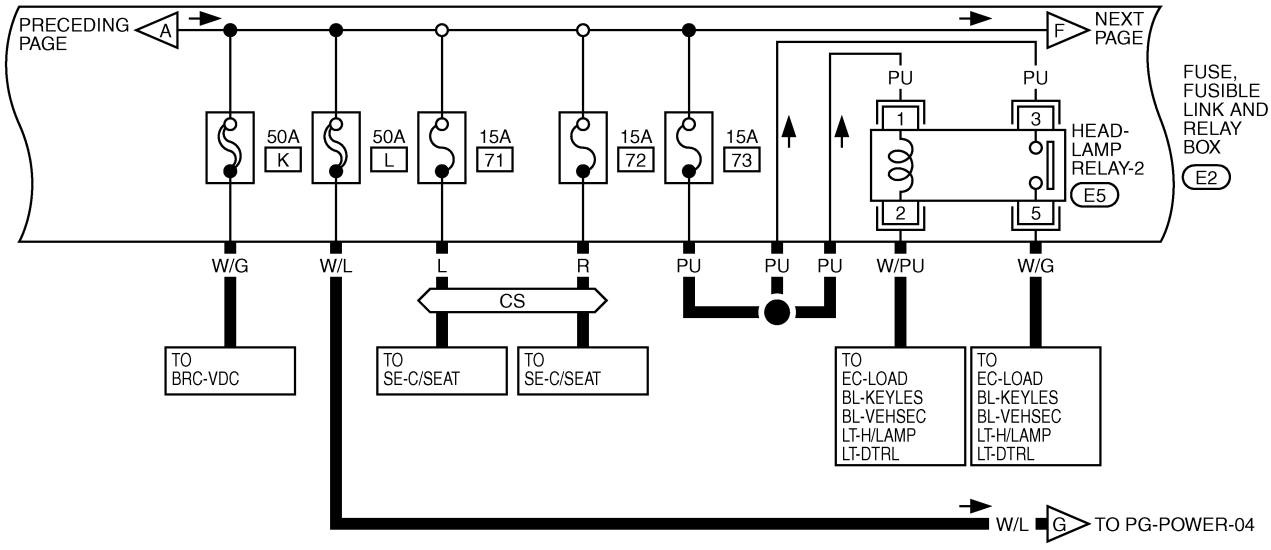


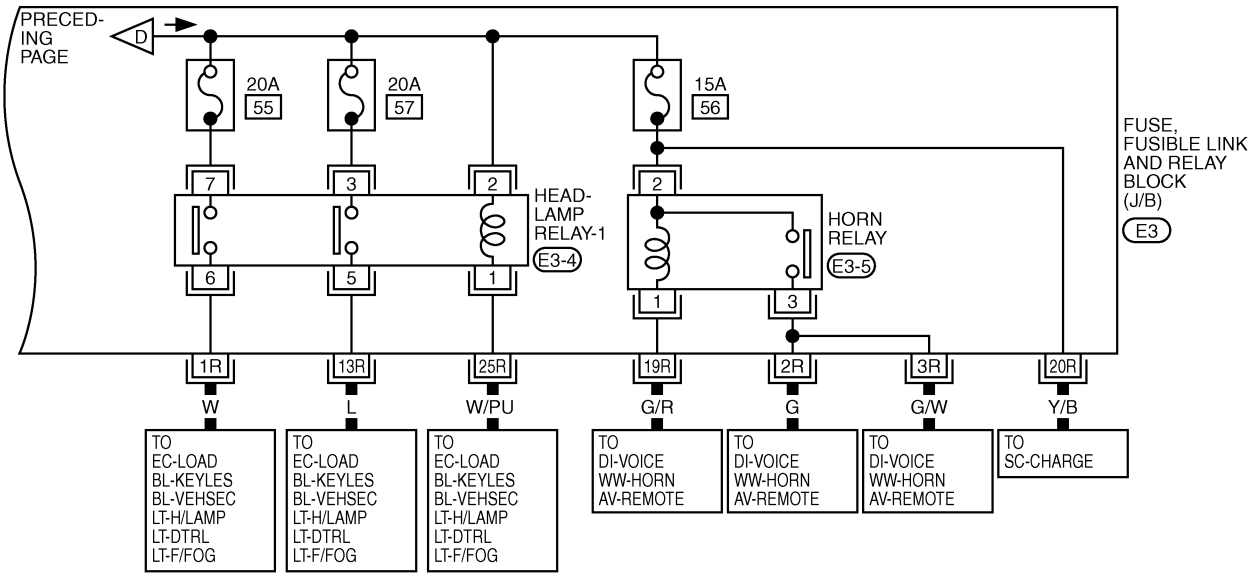
*: THIS CONNECTOR IS NOT SHOWN IN "HARNESS LAYOUT".

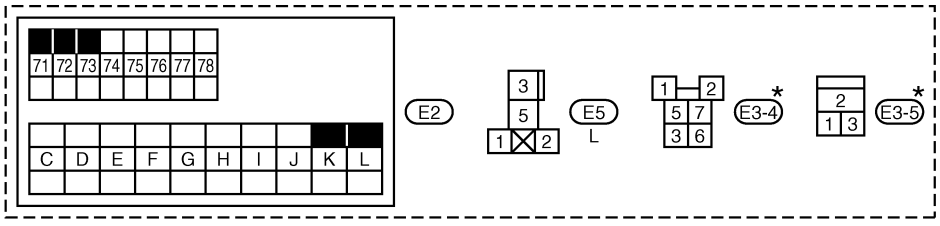
TKWA0683E

PG-POWER-02

CS : WITH CLIMATE CONTROLLED SEAT







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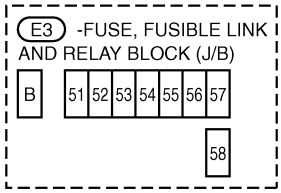
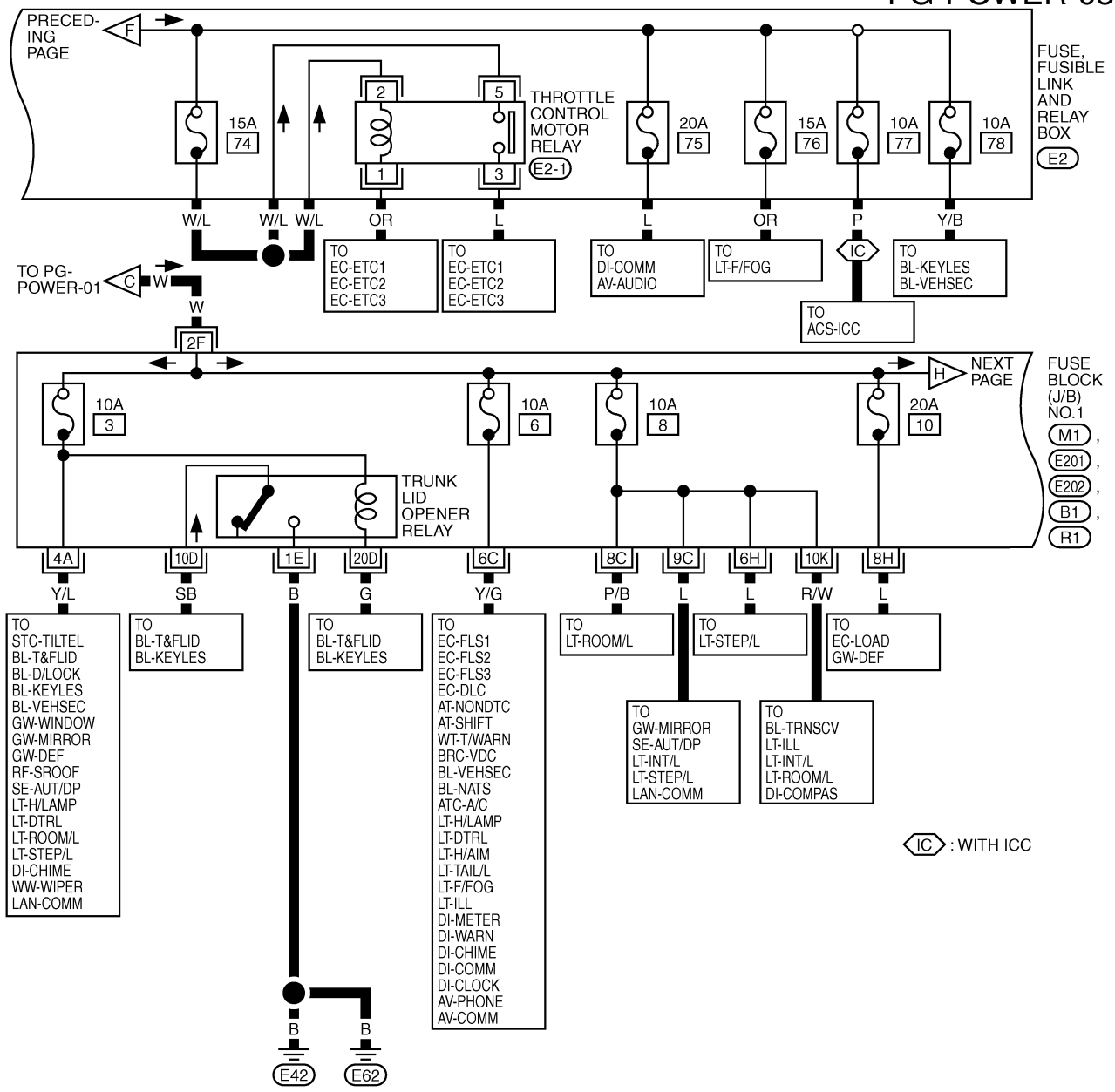
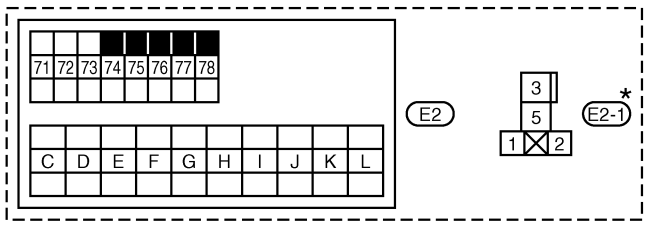


*: THIS CONNECTOR IS NOT SHOWN IN "HARNESS LAYOUT".

TKWA0684E

PG-POWER-03





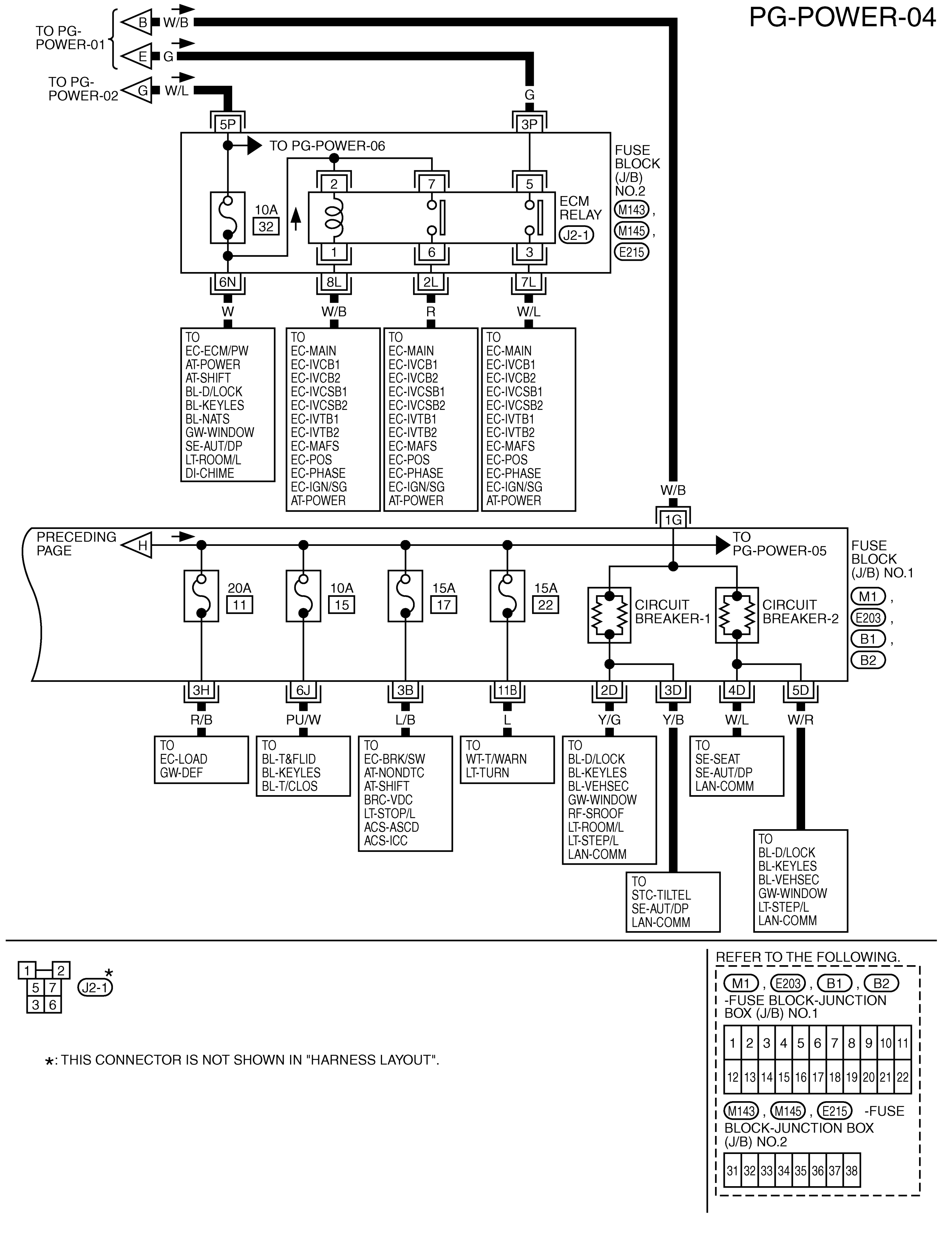
REFER TO THE FOLLOWING.

M1 , E201 , E202 , B1 ,
R1 -FUSE BLOCK-
JUNCTION BOX (J/B) NO.1

1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22

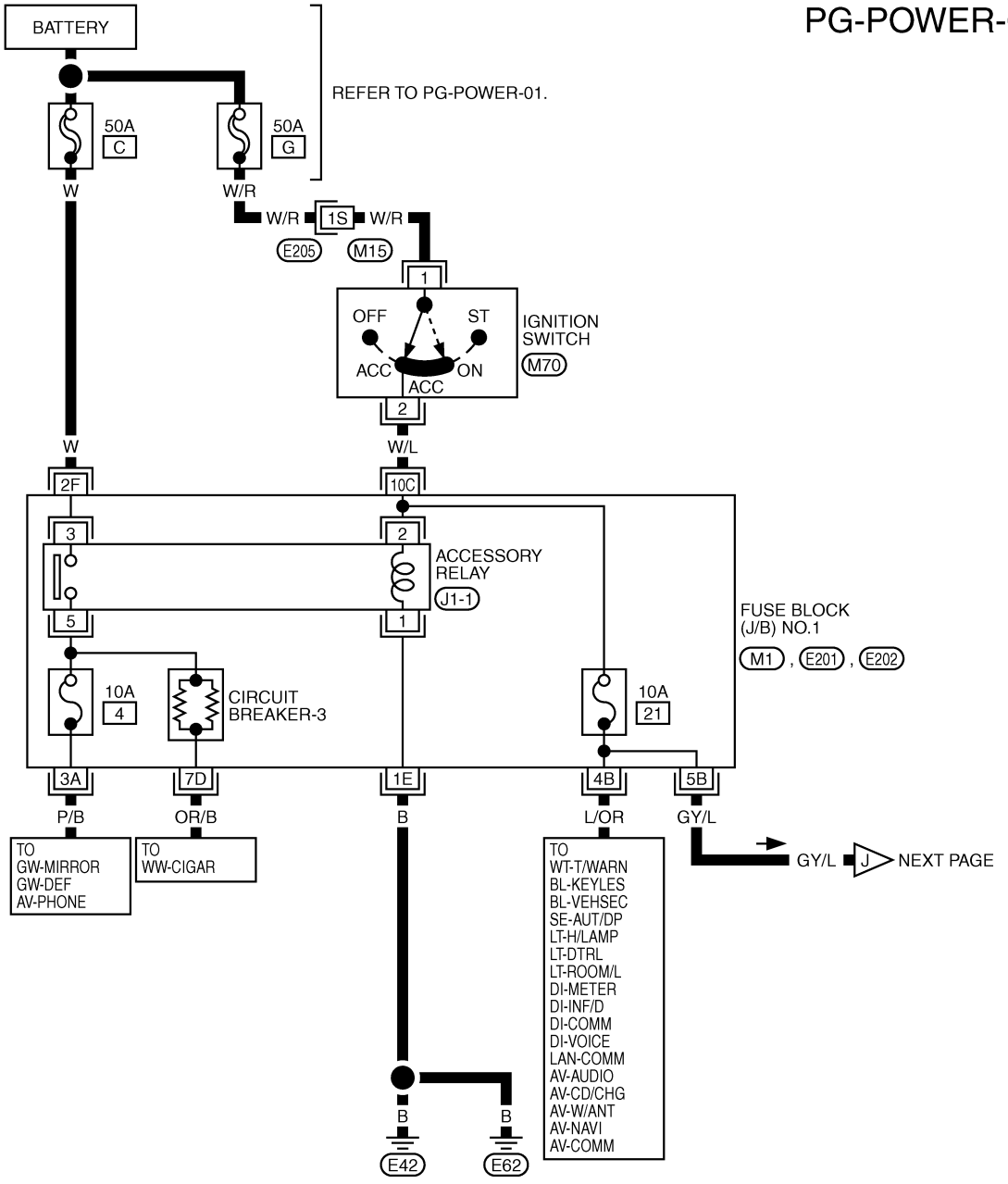
*: THIS CONNECTOR IS NOT SHOWN IN "HARNESS LAYOUT".

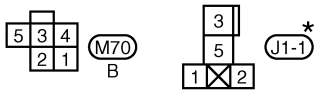
TKWA0685E


PG-POWER-04
TO PG-POWER-01
TO PG-POWER-02
W/B
G
W/L
5P
3P
TO PG-POWER-06
10A
32
ECM RELAY
J2-1
FUSE BLOCK (J/B) NO.2
M143, M145, E215
6N
8L
2L
7L
W
W/B
R
W/L
TO EC-ECM/PW AT-POWER AT-SHIFT BL-D/LOCK BL-KEYLES BL-NATS GW-WINDOW SE-AUT/DP LT-ROOM/L DI-CHIME
TO EC-MAIN EC-IVCB1 EC-IVCB2 EC-IVCSB1 EC-IVCSB2 EC-IVTB1 EC-IVTB2 EC-MAFS EC-POS EC-PHASE EC-IGN/SG AT-POWER
1G
PRECEDING PAGE
TO PG-POWER-05
FUSE BLOCK (J/B) NO.1
M1, E203, B1, B2
20A 11
10A 15
15A 17
15A 22
CIRCUIT BREAKER-1
CIRCUIT BREAKER-2
3H
6J
3B
11B
2D
3D
4D
5D
R/B
PU/W
L/B
L
Y/G
Y/B
W/L
W/R
TO EC-LOAD GW-DEF
TO BL-T&FLID BL-KEYLES BL-T/CLOS
TO EC-BRK/SW AT-NONDTC AT-SHIFT BRC-VDC LT-STOP/L ACS-ASCD ACS-ICC
TO WT-T/WARN LT-TURN
TO BL-D/LOCK BL-KEYLES BL-VEHSEC GW-WINDOW RF-SROOF LT-ROOM/L LT-STEP/L LAN-COMM
TO STC-TILTEL SE-AUT/DP LAN-COMM
TO SE-SEAT SE-AUT/DP LAN-COMM
TO BL-D/LOCK BL-KEYLES BL-VEHSEC GW-WINDOW LT-STEP/L LAN-COMM
J2-1 *
*: THIS CONNECTOR IS NOT SHOWN IN "HARNESS LAYOUT".
REFER TO THE FOLLOWING.
M1, E203, B1, B2 -FUSE BLOCK-JUNCTION BOX (J/B) NO.1
M143, M145, E215 -FUSE BLOCK-JUNCTION BOX (J/B) NO.2
TKWA0686E

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

PG-POWER-05





*: THIS CONNECTOR IS NOT SHOWN IN "HARNESS LAYOUT".

REFER TO THE FOLLOWING.

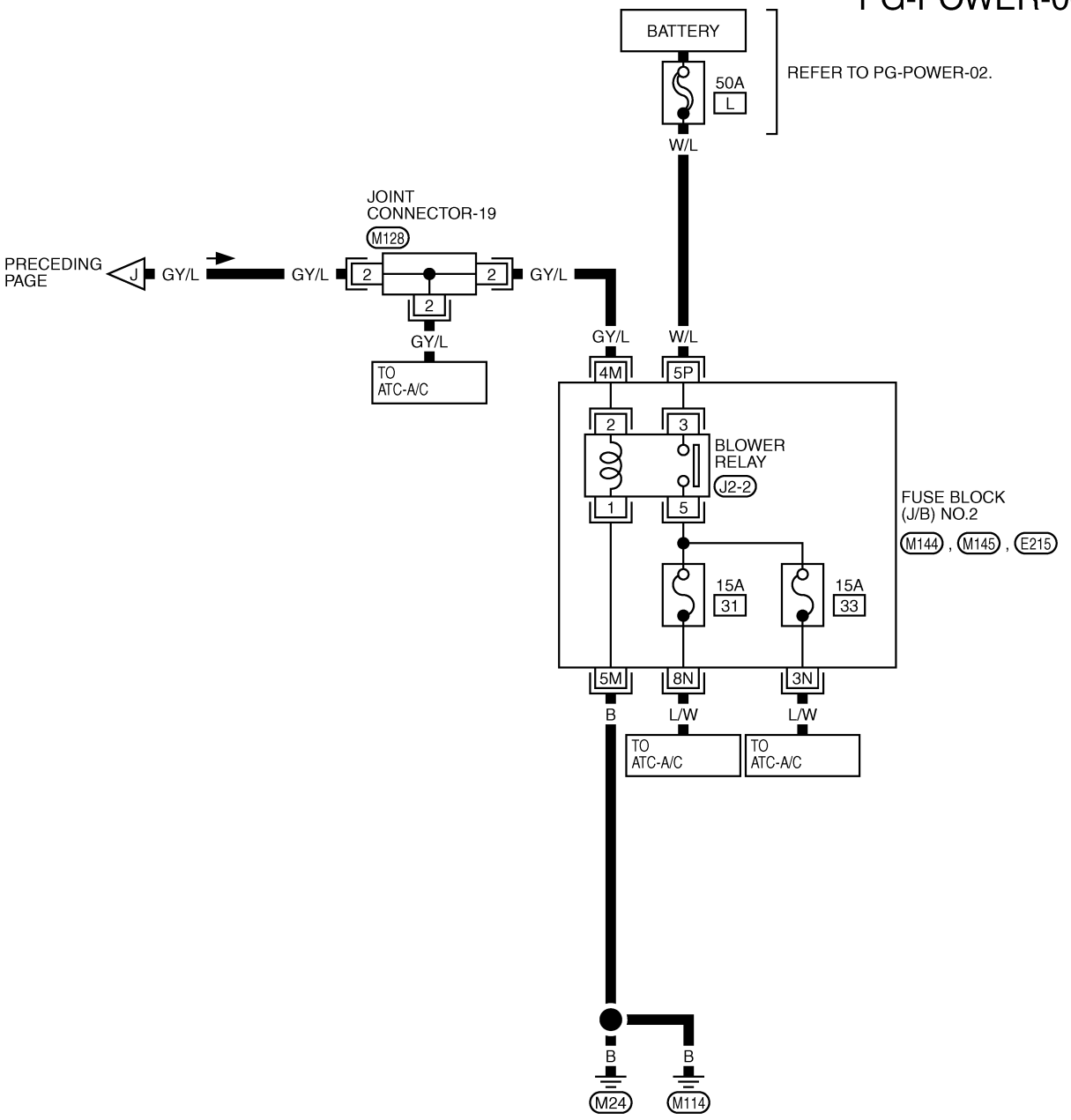
E205 -SUPER MULTIPLE JUNCTION (SMJ)

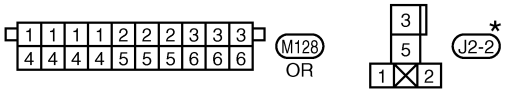
M1 , E201 , E202 -FUSE BLOCK-JUNCTION BOX (J/B) NO.1

1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22

TKWA0687E

PG-POWER-06

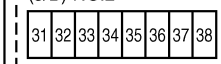




*: THIS CONNECTOR IS NOT SHOWN IN "HARNESS LAYOUT".

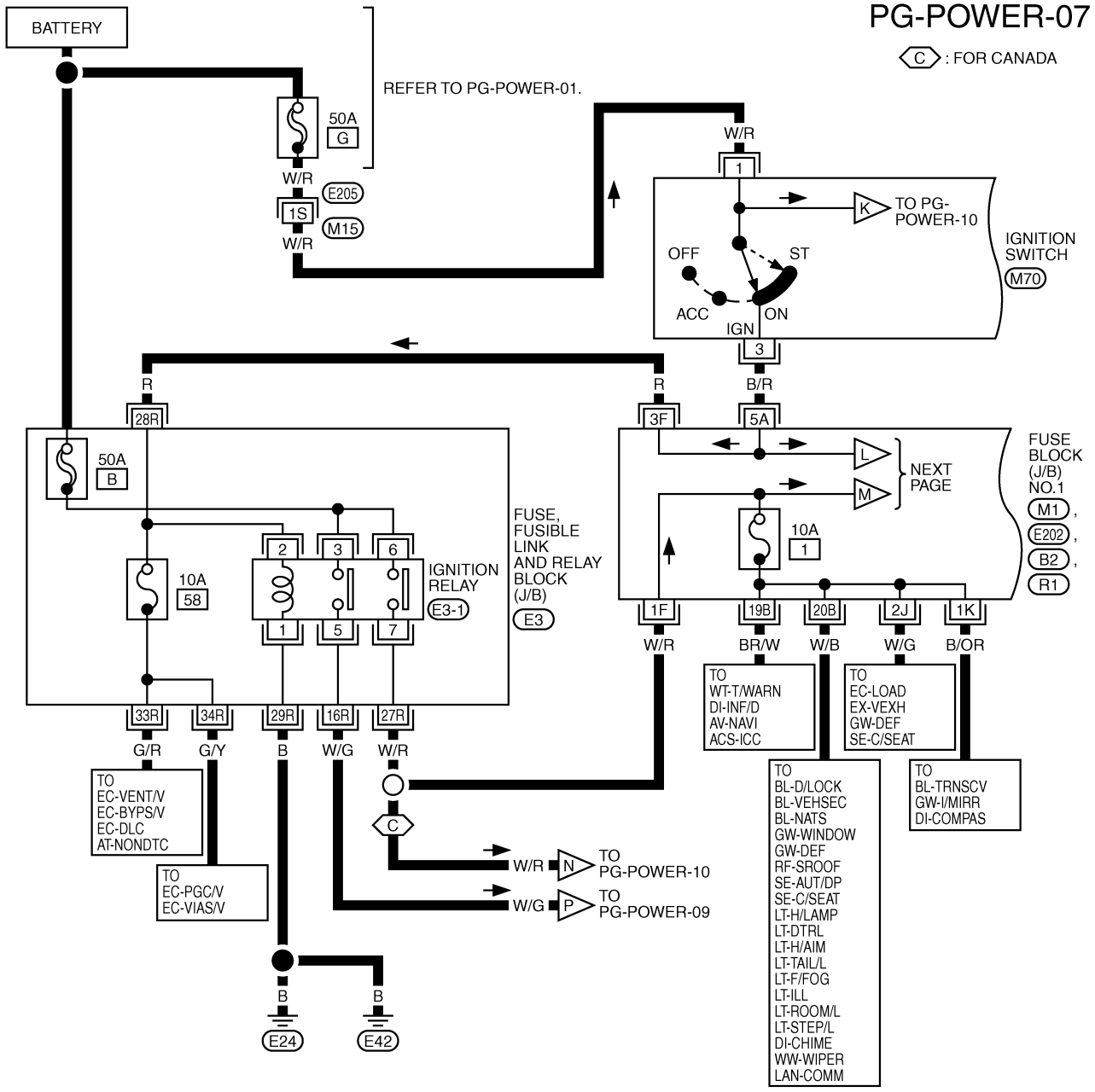
REFER TO THE FOLLOWING.

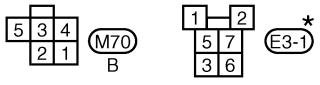
M144 , M145 , E215 -FUSE BLOCK-JUNCTION BOX (J/B) NO.2



TKWA0688E

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





*: THIS CONNECTOR IS NOT SHOWN IN "HARNESS LAYOUT".

REFER TO THE FOLLOWING.

E205 -SUPER MULTIPLE JUNCTION (SMJ)

M1 , E202 , B2 , R1 -FUSE BLOCK-JUNCTION BOX (J/B) NO.1

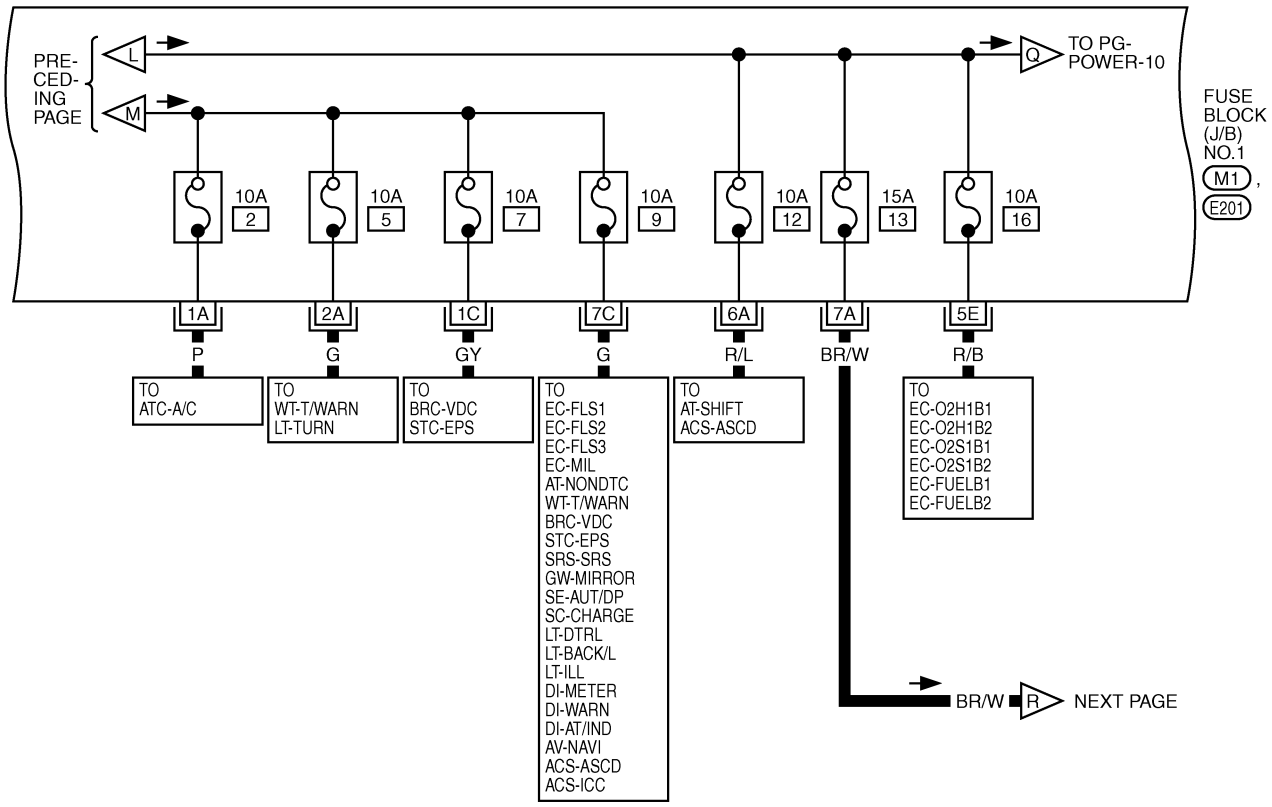
1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22

E3 -FUSE,FUSIBLE LINK AND RELAY BLOCK (J/B)

B	51	52	53	54	55	56	57
							58

TKWA0689E

PG-POWER-08

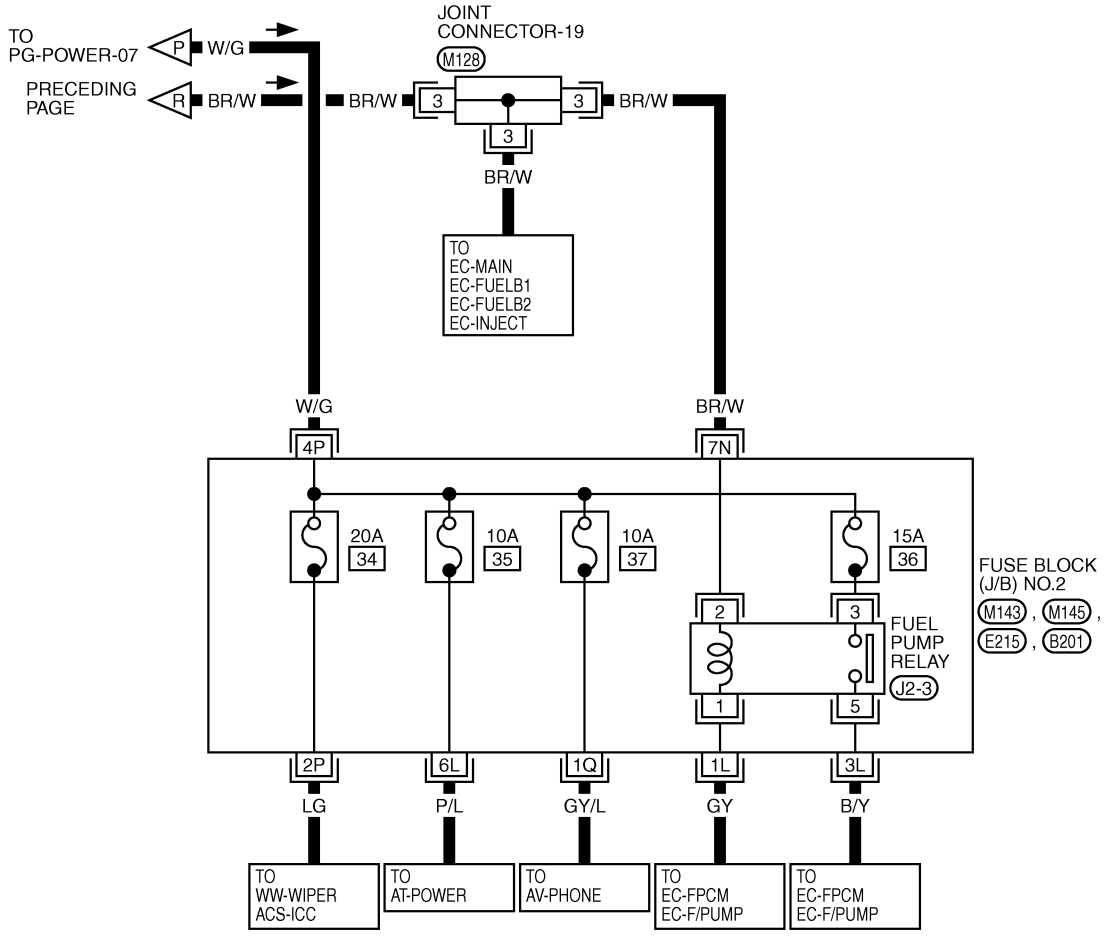


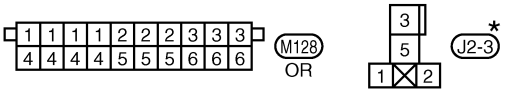
REFER TO THE FOLLOWING.

M1, E201 -FUSE BLOCK-JUNCTION BOX (J/B) NO.1

1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22

TKWA0690E

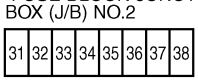




*: THIS CONNECTOR IS NOT SHOWN IN "HARNESS LAYOUT".

REFER TO THE FOLLOWING.

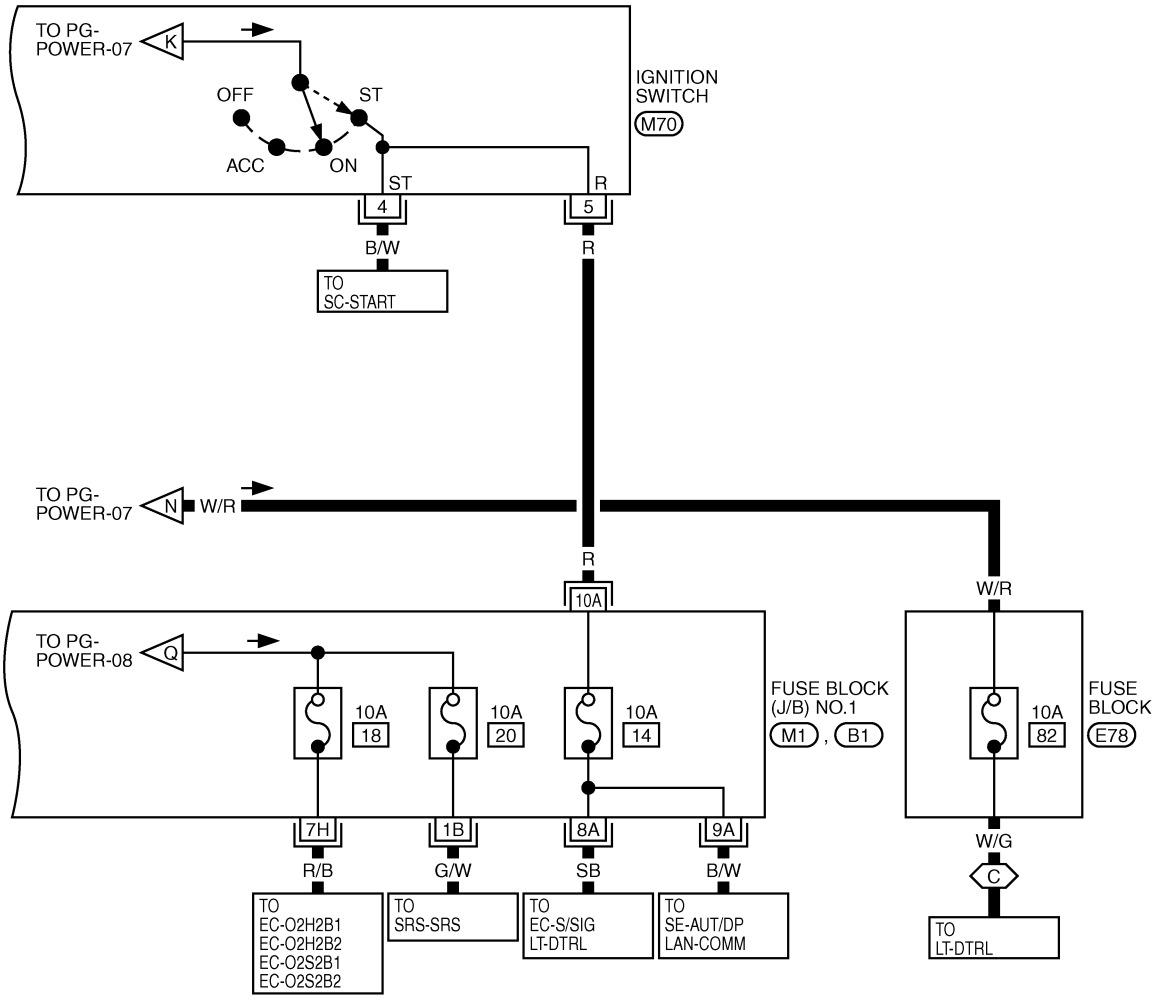
M143 , M145 , E215 , B201
-FUSE BLOCK-JUNCTION BOX (J/B) NO.2

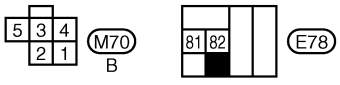


TKWA0691E

PG-POWER-10

C : FOR CANADA





REFER TO THE FOLLOWING.

M1 , B1 -FUSE BLOCK-JUNCTION BOX (J/B) NO.1

1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22

TKWA0692E

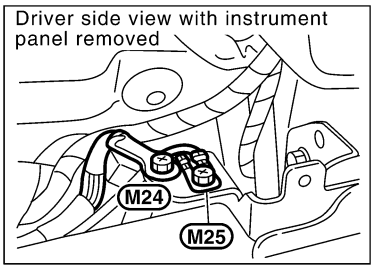
GROUND

PFP:00011

Ground Distribution

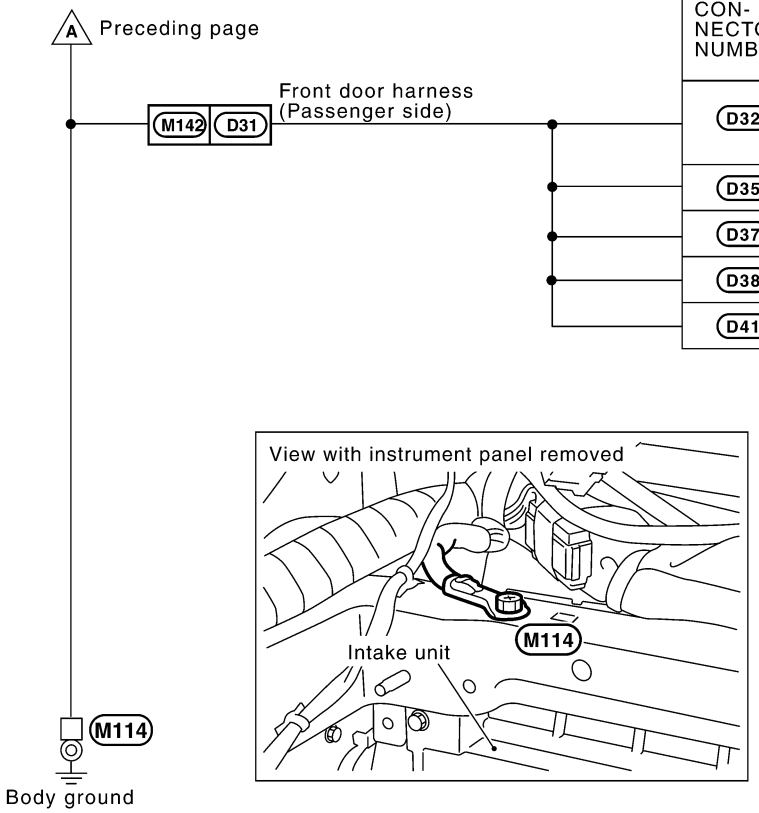
AKS002RS

MAIN HARNESS



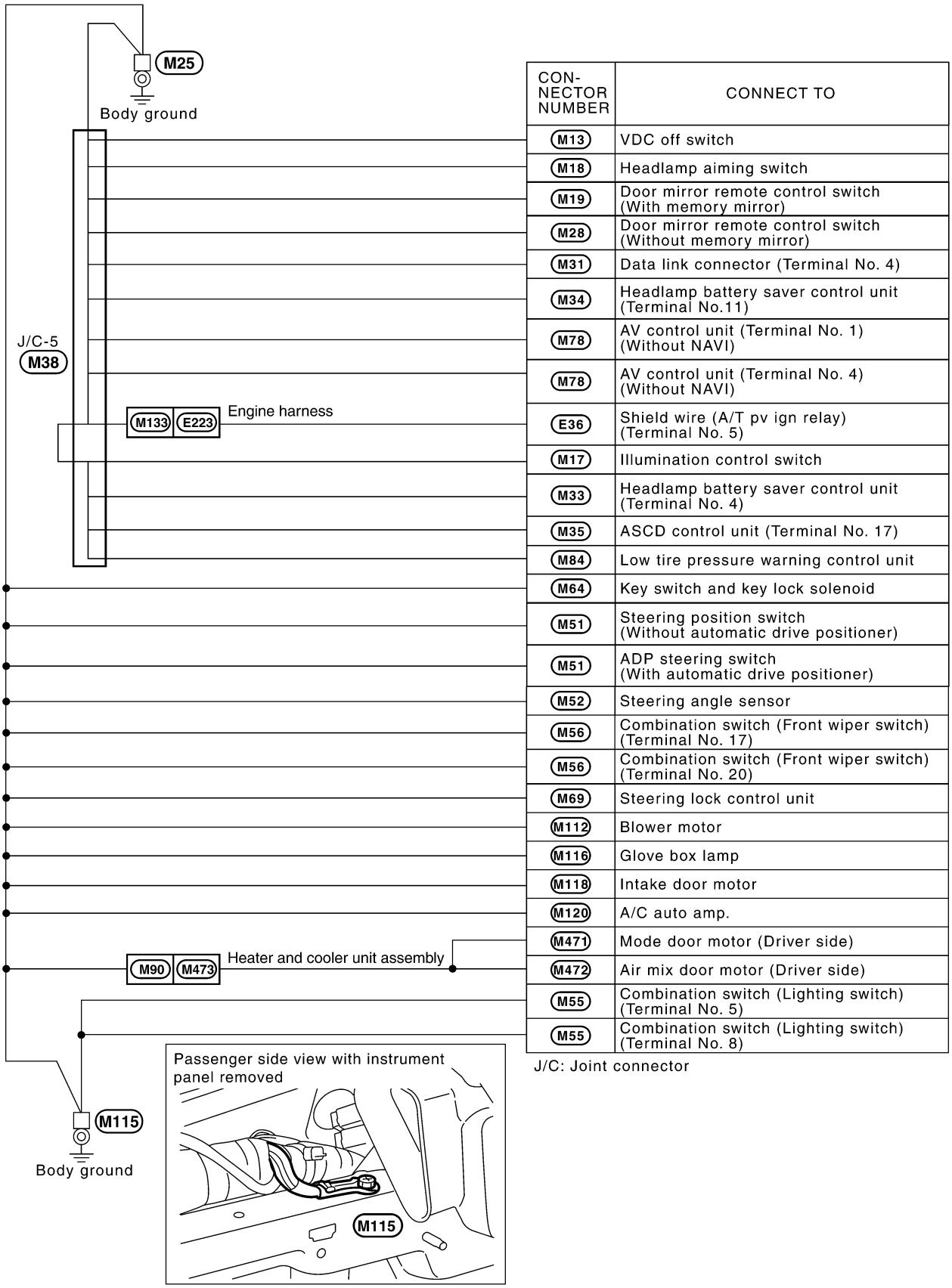
CONNECTOR NUMBER	CONNECT TO
M41	Combination meter (Terminal No. 33)
M4	BCM (Body control module) (Terminal No. 56)
M4	BCM (Body control module) (Terminal No. 113)
M4	BCM (Body control module) (Terminal No. 114)
M12	Shift lock control unit
M41	Combination meter (Terminal No. 20)
M42	Combination meter (Terminal No. 45)
M71	Hazard switch
M75	Clock
M82	Display (Terminal No.22)
M82	Display (Terminal No.24)
M83	Multi function switch
M91	Combination flasher unit
M92	Front cigarette lighter socket
M96	Handset (Option)
M97	A/T device
M100	Front power socket
M103	Air bag diagnosis sensor unit
M106	Mode door motor (Passenger side)
M107	Air mix door motor (Passenger side)
M108	Power steering control unit
M109	CD auto changer
M144	Fuse block (J/B) No.2 • Blower relay
D2	Door mirror (Driver side) • Turn signal • Door mirror defogger
D3	Seat memory switch
D5	Driver side door mirror control unit (LCU03)
D7	Front power window regulator (Driver side)
D8	Driver door control unit (LCU01)
D9	Trunk lid and fuel lid opener switch
D11	Front door lock actuator (Driver side)
D12	Front door key cylinder switch (Driver side)

CKIA0232E



CON-NECTOR NUMBER	CONNECT TO
D32	Door mirror (Passenger side) • Turn signal • Door mirror defogger
D35	Passenger side door mirror control unit (LCU04)
D37	Front power window regulator (Passenger side)
D38	Passenger door control unit
D41	Front door lock actuator (Passenger side)

CKIA0233E

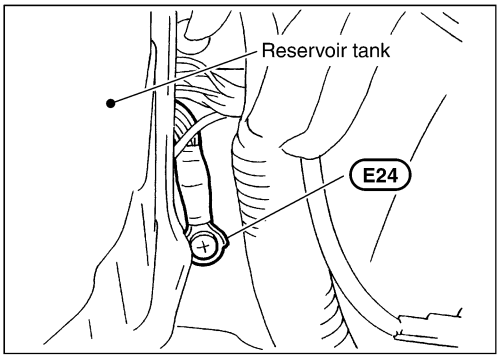


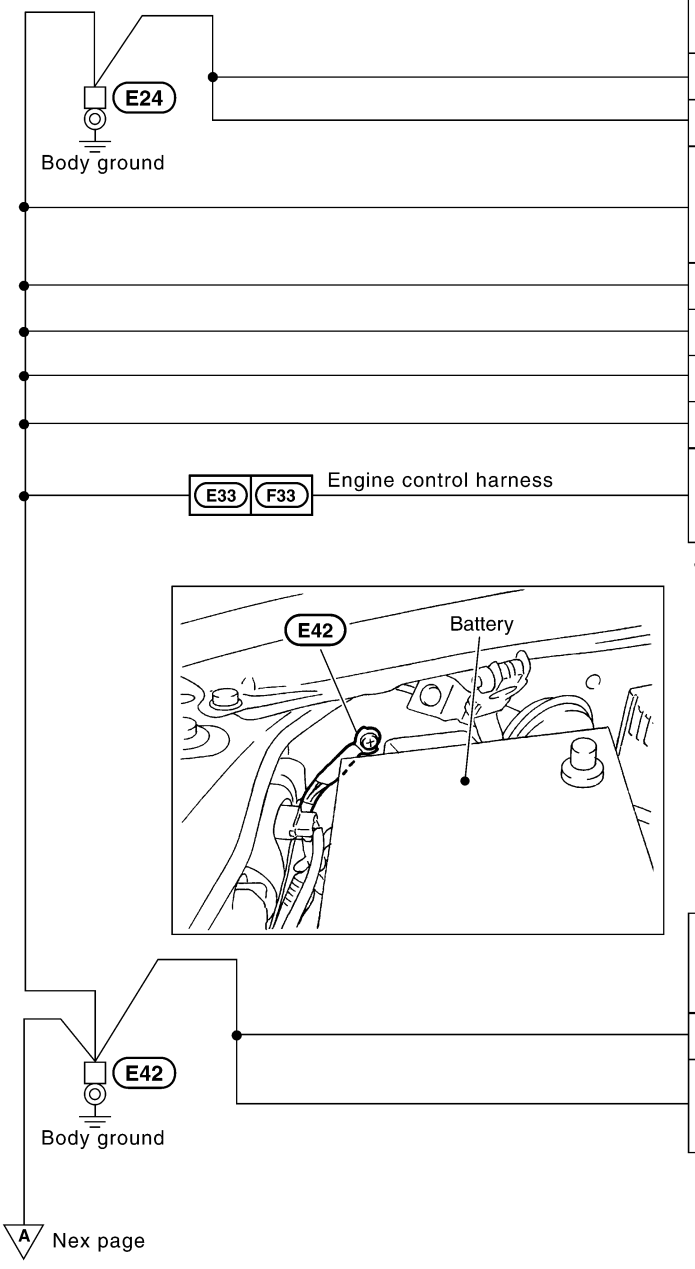
CON-NECTOR NUMBER	CONNECT TO
M13	VDC off switch
M18	Headlamp aiming switch
M19	Door mirror remote control switch (With memory mirror)
M28	Door mirror remote control switch (Without memory mirror)
M31	Data link connector (Terminal No. 4)
M34	Headlamp battery saver control unit (Terminal No.11)
M78	AV control unit (Terminal No. 1) (Without NAVI)
M78	AV control unit (Terminal No. 4) (Without NAVI)
E36	Shield wire (A/T pv ign relay) (Terminal No. 5)
M17	Illumination control switch
M33	Headlamp battery saver control unit (Terminal No. 4)
M35	ASCD control unit (Terminal No. 17)
M84	Low tire pressure warning control unit
M64	Key switch and key lock solenoid
M51	Steering position switch (Without automatic drive positioner)
M51	ADP steering switch (With automatic drive positioner)
M52	Steering angle sensor
M56	Combination switch (Front wiper switch) (Terminal No. 17)
M56	Combination switch (Front wiper switch) (Terminal No. 20)
M69	Steering lock control unit
M112	Blower motor
M116	Glove box lamp
M118	Intake door motor
M120	A/C auto amp.
M471	Mode door motor (Driver side)
M472	Air mix door motor (Driver side)
M55	Combination switch (Lighting switch) (Terminal No. 5)
M55	Combination switch (Lighting switch) (Terminal No. 8)

J/C: Joint connector

CKIA0234E

ENGINE ROOM HARNESS



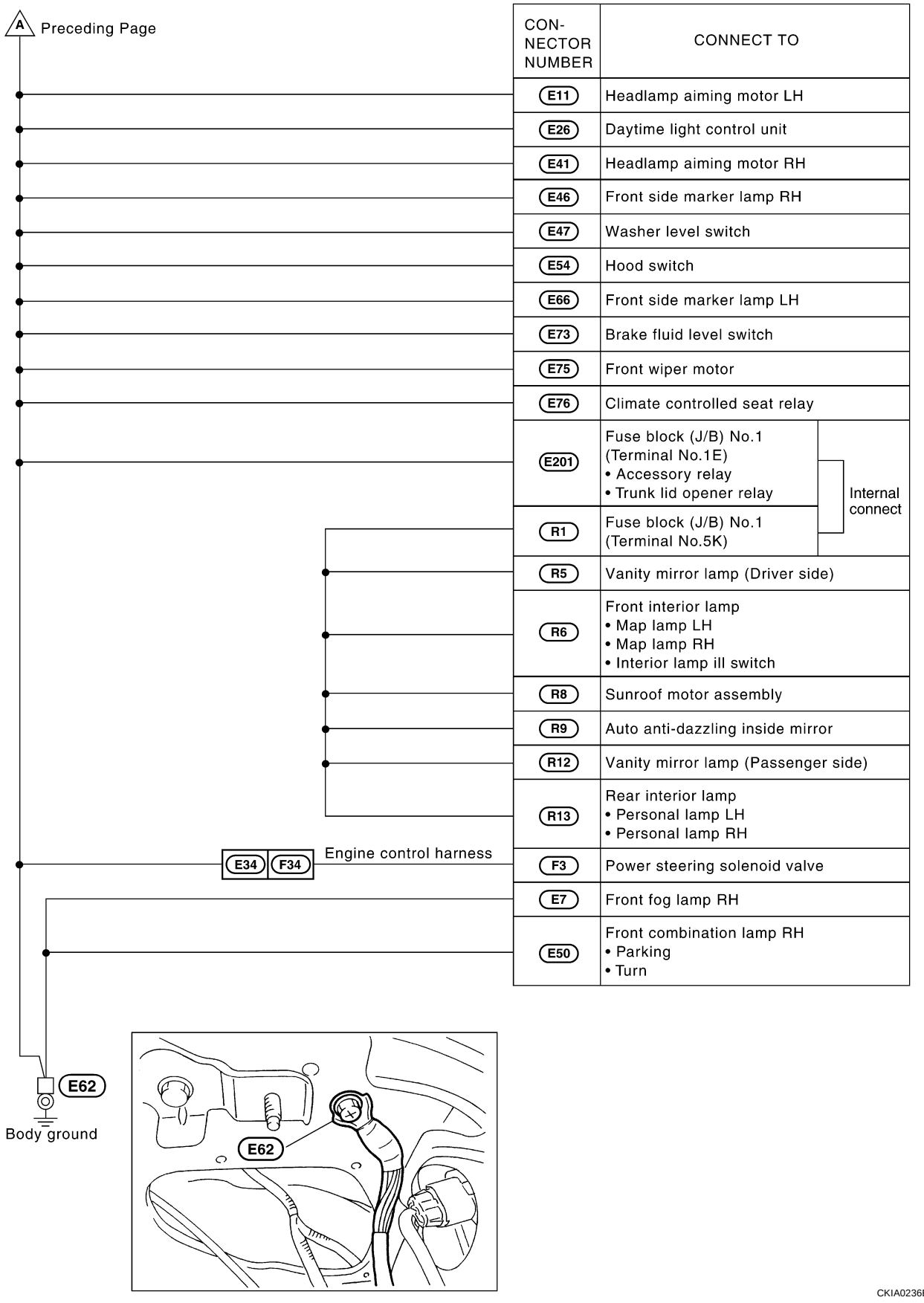


CON-NECTOR NUMBER	CONNECT TO
E10	Headlamp LH
E40	Headlamp RH
E3	Fuse, fusible link and relay block (J/B) (Terminal No.29R) • Ignition relay • Park/Neutral position relay
E2-2	Front wiper relay
E36	A/T pv ign relay
E38	ICC brake hold relay
E52	ICC sensor
F103	Shield wire [TCM (Transmission control module)] (Terminal No.2,3)

J/C : Joint connector

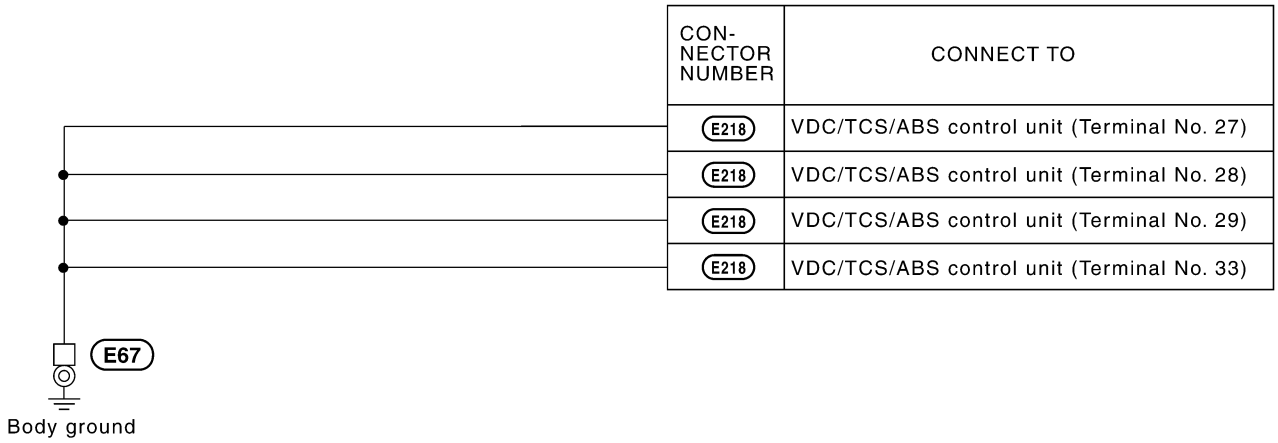
CON-NECTOR NUMBER	CONNECT TO
E6	Front fog lamp LH
E12	Front combination LAMP LH • Parking • Turn

CKIA0235E

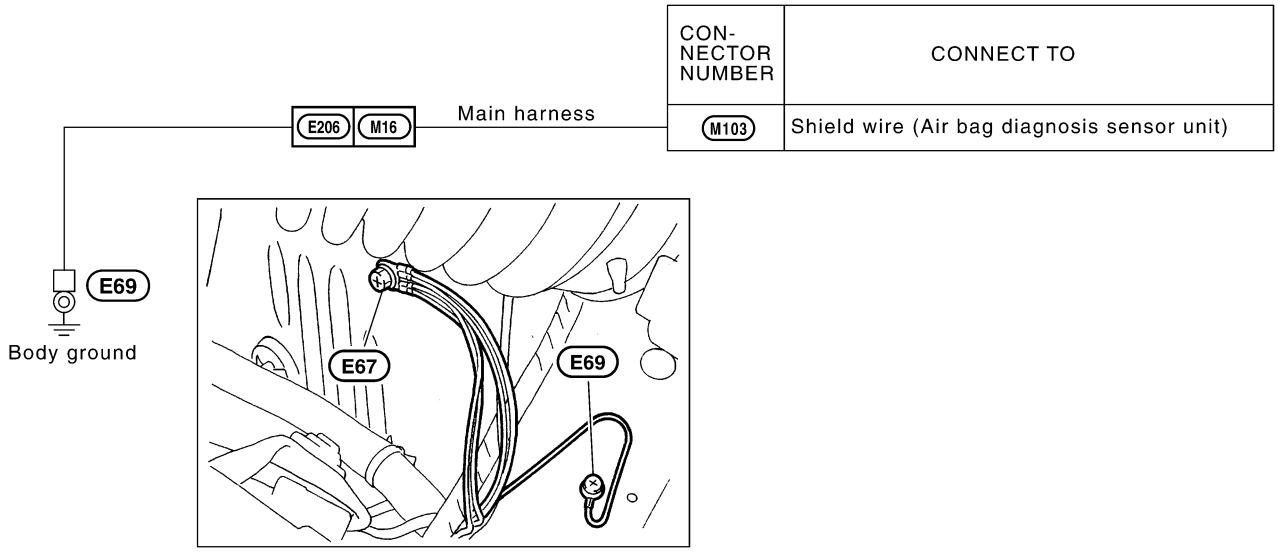


CON-NECTOR NUMBER	CONNECT TO	
E11	Headlamp aiming motor LH	
E26	Daytime light control unit	
E41	Headlamp aiming motor RH	
E46	Front side marker lamp RH	
E47	Washer level switch	
E54	Hood switch	
E66	Front side marker lamp LH	
E73	Brake fluid level switch	
E75	Front wiper motor	
E76	Climate controlled seat relay	
E201	Fuse block (J/B) No.1 (Terminal No.1E) • Accessory relay • Trunk lid opener relay	Internal connect
R1	Fuse block (J/B) No.1 (Terminal No.5K)	
R5	Vanity mirror lamp (Driver side)	
R6	Front interior lamp • Map lamp LH • Map lamp RH • Interior lamp ill switch	
R8	Sunroof motor assembly	
R9	Auto anti-dazzling inside mirror	
R12	Vanity mirror lamp (Passenger side)	
R13	Rear interior lamp • Personal lamp LH • Personal lamp RH	
F3	Power steering solenoid valve	
E7	Front fog lamp RH	
E50	Front combination lamp RH • Parking • Turn	

CKIA0236E



CON-NECTOR NUMBER	CONNECT TO
E218	VDC/TCS/ABS control unit (Terminal No. 27)
E218	VDC/TCS/ABS control unit (Terminal No. 28)
E218	VDC/TCS/ABS control unit (Terminal No. 29)
E218	VDC/TCS/ABS control unit (Terminal No. 33)

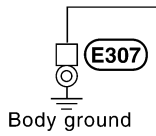


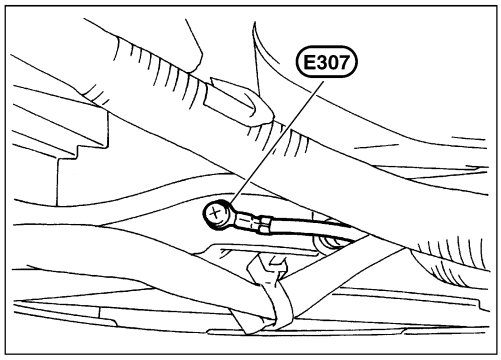
CON-NECTOR NUMBER	CONNECT TO
M103	Shield wire (Air bag diagnosis sensor unit)

CKIA0237E

ENGINE HARNESS

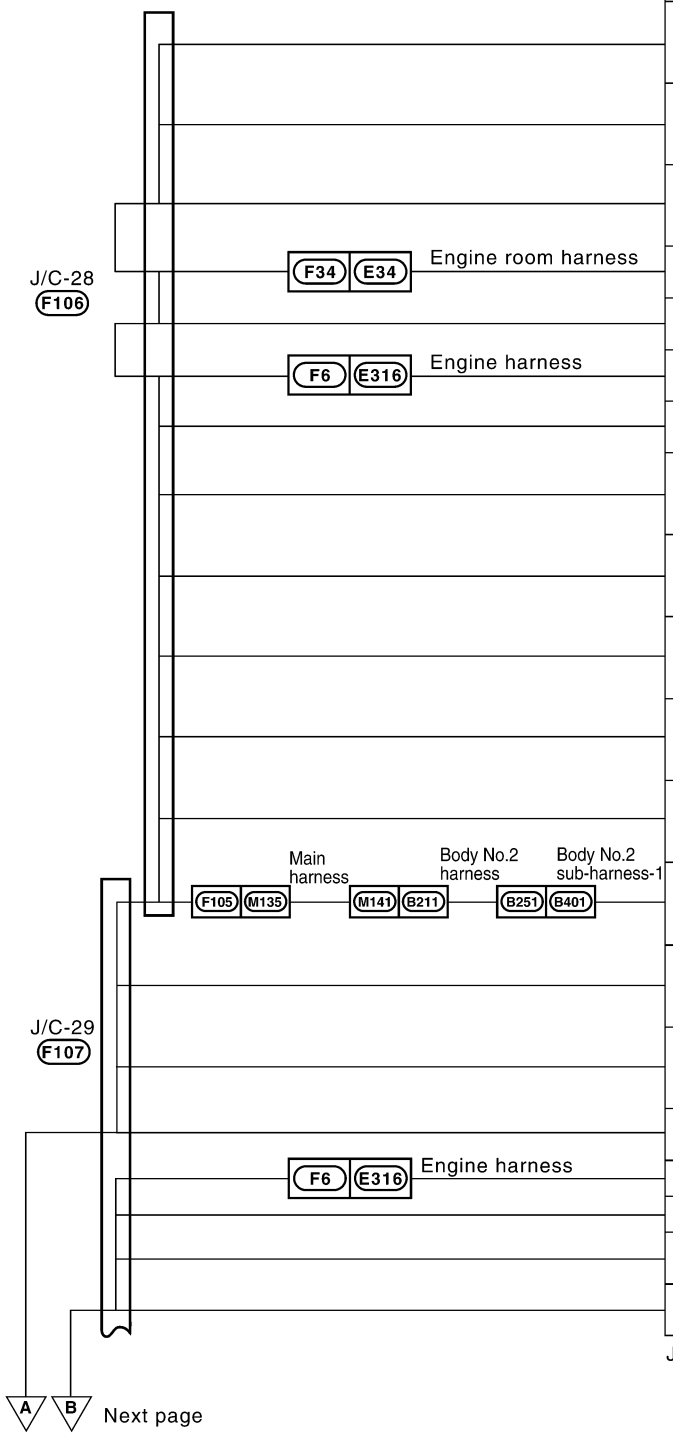
CON-NECTOR NUMBER	CONNECT TO
E311	Alternator





CKIA0238E

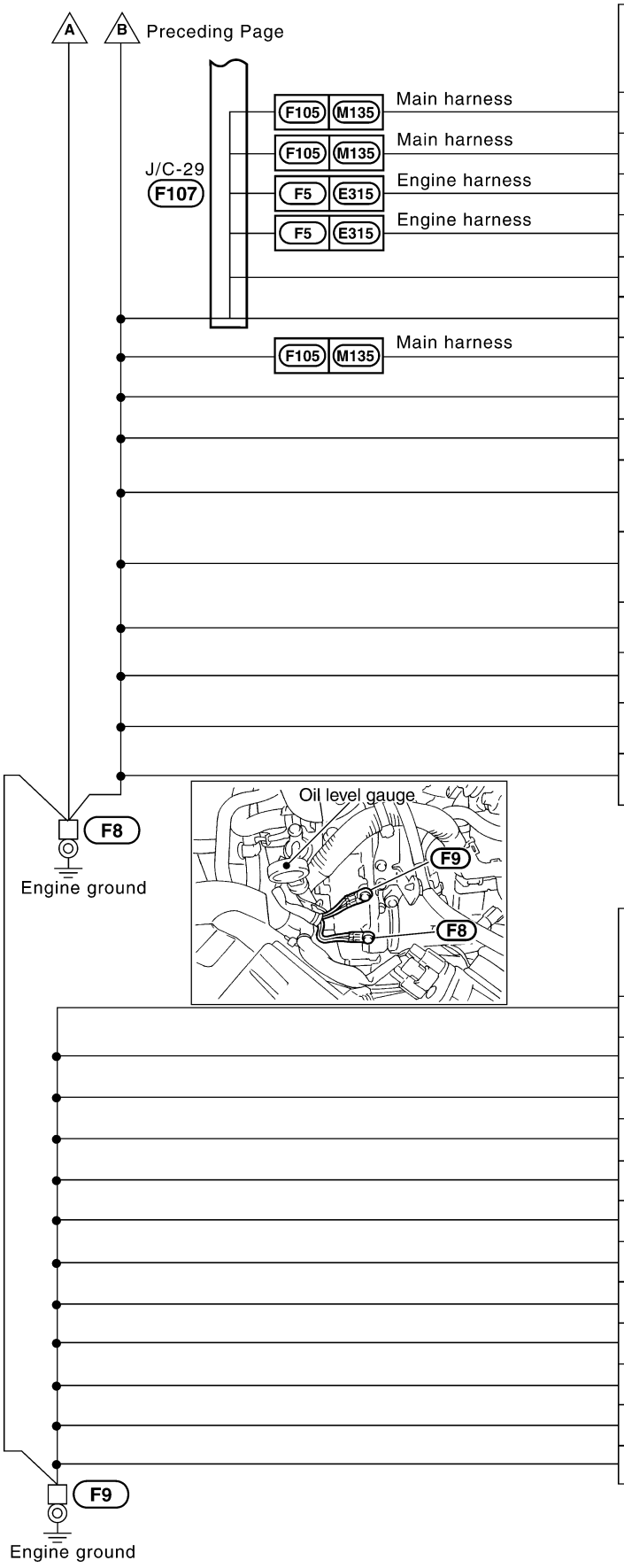
ENGINE CONTROL HARNESS



CON-NECTOR NUMBER	CONNECT TO
F19	Shield wire [Electric throttle control actuator (Throttle control motor)] (For circuit from terminal No. 3, 6)
F19	Shield wire [Electric throttle control actuator (Throttle position sensor)] (For circuit from terminal No. 4, 5)
F20	Shield wire [Electric throttle control actuator (Accelerator pedal position sensor)] (For circuit from terminal No. 7)
E49	Shield wire (Refrigerant pressure sensor) (For circuit from terminal No.1, 2)
F12	Shield wire [Intake valve timing control position sensor (Bank 1)]
E317	Shield wire [Crankshaft position sensor (POS)]
F4	Shield wire [Camshaft position sensor (PHASE)]
F19	Shield wire [Electric throttle control actuator (Throttle position sensor)] (For circuit from terminal No. 1)
F20	Shield wire [Electric throttle control actuator (Accelerator pedal position sensor)] (For circuit from terminal No. 8)
F20	Shield wire [Electric throttle control actuator (Accelerator pedal position sensor)] (For circuit from terminal No. 9)
F20	Shield wire [Electric throttle control actuator (Accelerator pedal position sensor)] (For circuit from terminal No. 10)
F20	Shield wire [Electric throttle control actuator (Accelerator pedal position sensor)] (For circuit from terminal No. 11, 12)
B403	Shield wire (EVAP control system pressure sensor) (For circuit from terminal No. 2, 3)
F7	Shield wire (Mass air flow sensor) • Mass air flow sensor • Intake air temperature sensor
F19	Shield wire [Electric throttle control actuator (Throttle position sensor)] (For circuit from terminal No. 2)
F30	Shield wire [Intake valve timing control position sensor (Bank 2)]
E317	Crankshaft position sensor (POS)
F4	Camshaft position sensor (PHASE)
F12	Intake valve timing control position sensor (Bank 1)
F30	Intake valve timing control position sensor (Bank 2)

J/C: Joint connector

CKIA0239E



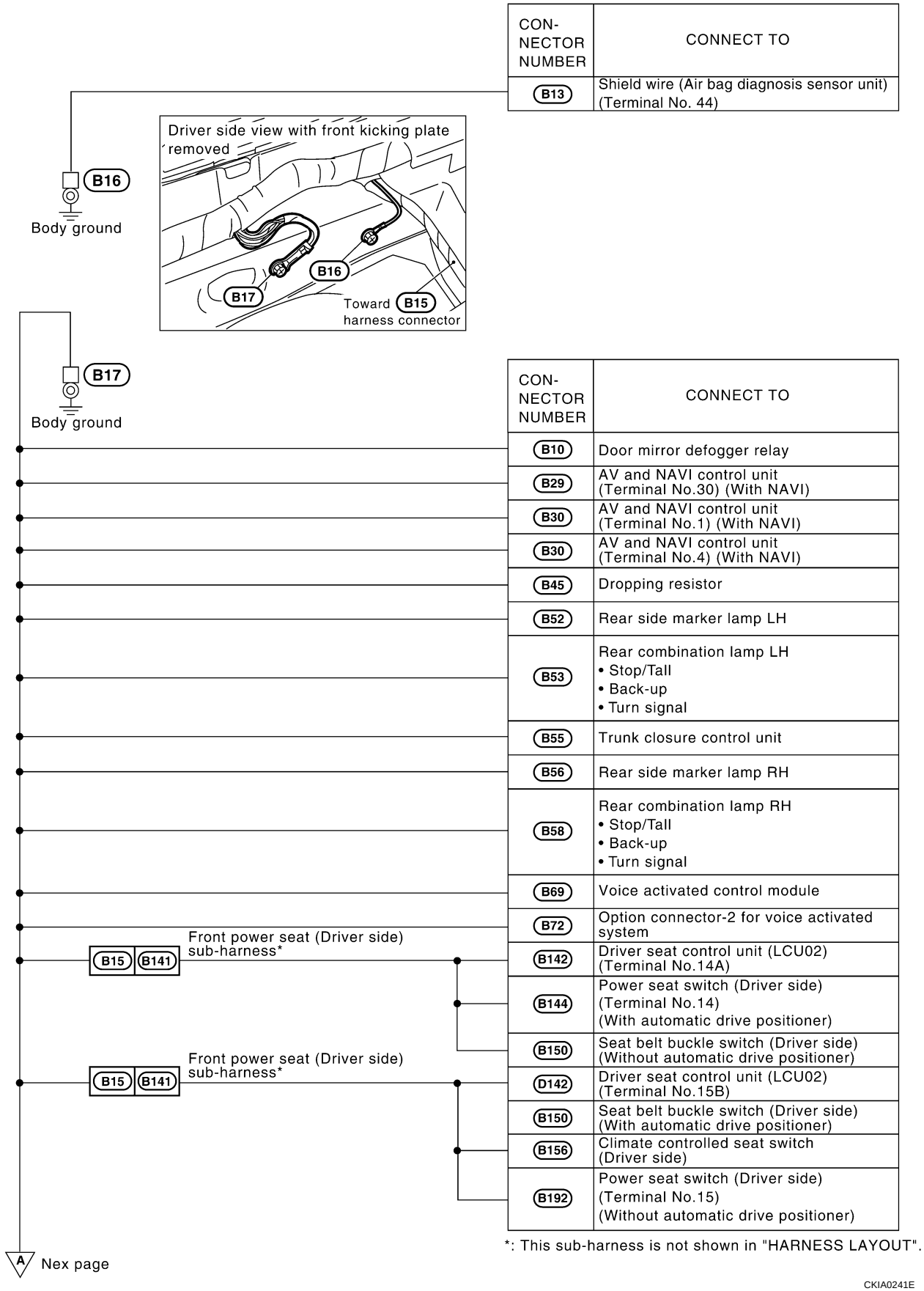
CON-NECTOR NUMBER	CONNECT TO
M31	Data link connector (Terminal No.5)
M32	NATS IMMU
E318	Heated oxygen sensor 2 (Bank 2)
E319	Heated oxygen sensor 2 (Bank 1)
F102	ECM (Terminal No.165)
F102	ECM (Terminal No.168)
M35	ASCD control unit (Terminal No.4)
F22	Heated oxygen sensor 1 (Bank 1)
F42	Heated oxygen sensor 1 (Bank 2)
F103	Shield wire [TCM (Transmission control module)] (For circuit from terminal No.5)
F103	Shield wire [TCM (Transmission control module)] (For circuit from terminal No.14)
F103	TCM (Transmission control module) (Terminal No.5)
F103	TCM (Transmission control module) (Terminal No.14)
F103	TCM (Transmission control module) (Terminal No.24)
F104	TCM (Transmission control module) (Terminal No.46)

J/C : Joint connector

CON-NECTOR NUMBER	CONNECT TO
F15	Ignition coil (With power transistor) No.1
F16	Ignition coil (With power transistor) No.3
F17	Ignition coil (With power transistor) No.5
F18	Ignition coil (With power transistor) No.7
F23	Condenser
F35	Ignition coil (With power transistor) No.2
F36	Ignition coil (With power transistor) No.4
F37	Ignition coil (With power transistor) No.6
F38	Ignition coil (With power transistor) No.8
F101	ECM (Terminal No.153)
F101	ECM (Terminal No.156)
F101	ECM (Terminal No.159)

CKIA0240E

BODY HARNESS

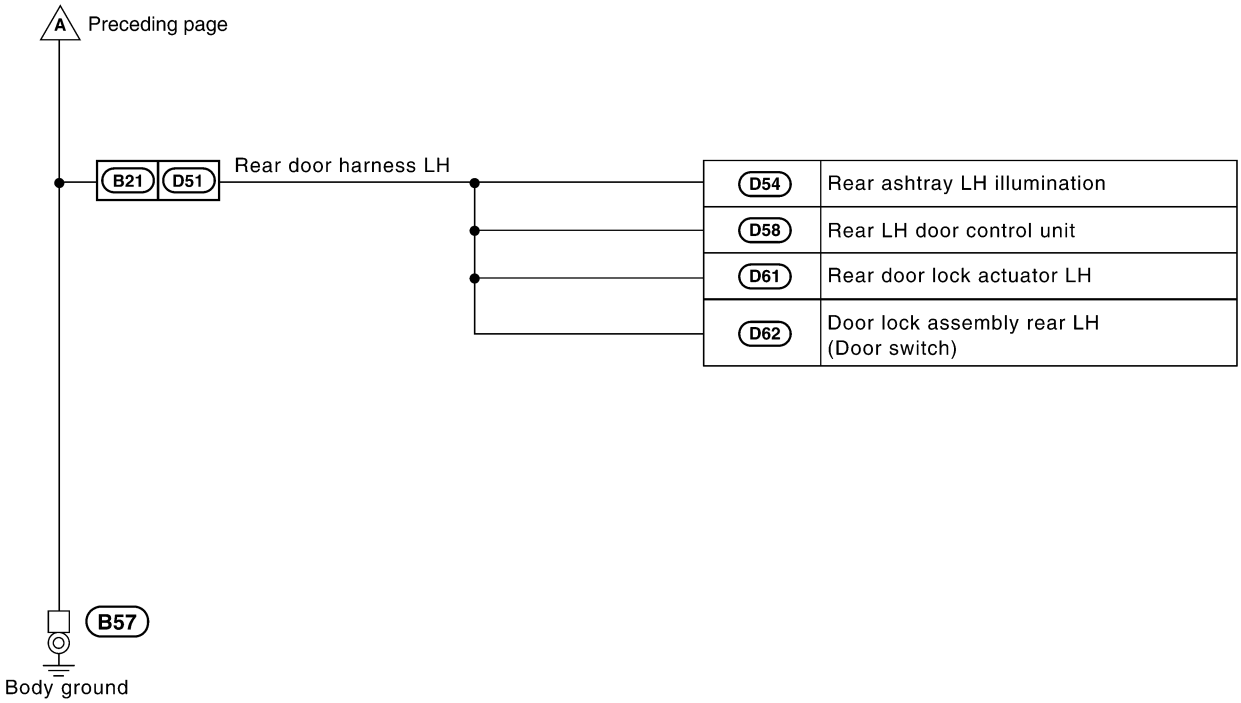


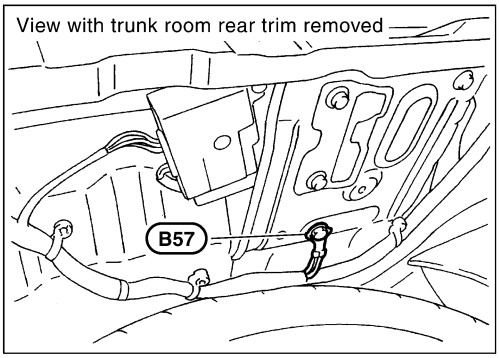
CON-NECTOR NUMBER	CONNECT TO
B13	Shield wire (Air bag diagnosis sensor unit) (Terminal No. 44)

CON-NECTOR NUMBER	CONNECT TO
B10	Door mirror defogger relay
B29	AV and NAVI control unit (Terminal No.30) (With NAVI)
B30	AV and NAVI control unit (Terminal No.1) (With NAVI)
B30	AV and NAVI control unit (Terminal No.4) (With NAVI)
B45	Dropping resistor
B52	Rear side marker lamp LH
B53	Rear combination lamp LH • Stop/Tall • Back-up • Turn signal
B55	Trunk closure control unit
B56	Rear side marker lamp RH
B58	Rear combination lamp RH • Stop/Tall • Back-up • Turn signal
B69	Voice activated control module
B72	Option connector-2 for voice activated system
B142	Driver seat control unit (LCU02) (Terminal No.14A)
B144	Power seat switch (Driver side) (Terminal No.14) (With automatic drive positioner)
B150	Seat belt buckle switch (Driver side) (Without automatic drive positioner)
D142	Driver seat control unit (LCU02) (Terminal No.15B)
B150	Seat belt buckle switch (Driver side) (With automatic drive positioner)
B156	Climate controlled seat switch (Driver side)
B192	Power seat switch (Driver side) (Terminal No.15) (Without automatic drive positioner)

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

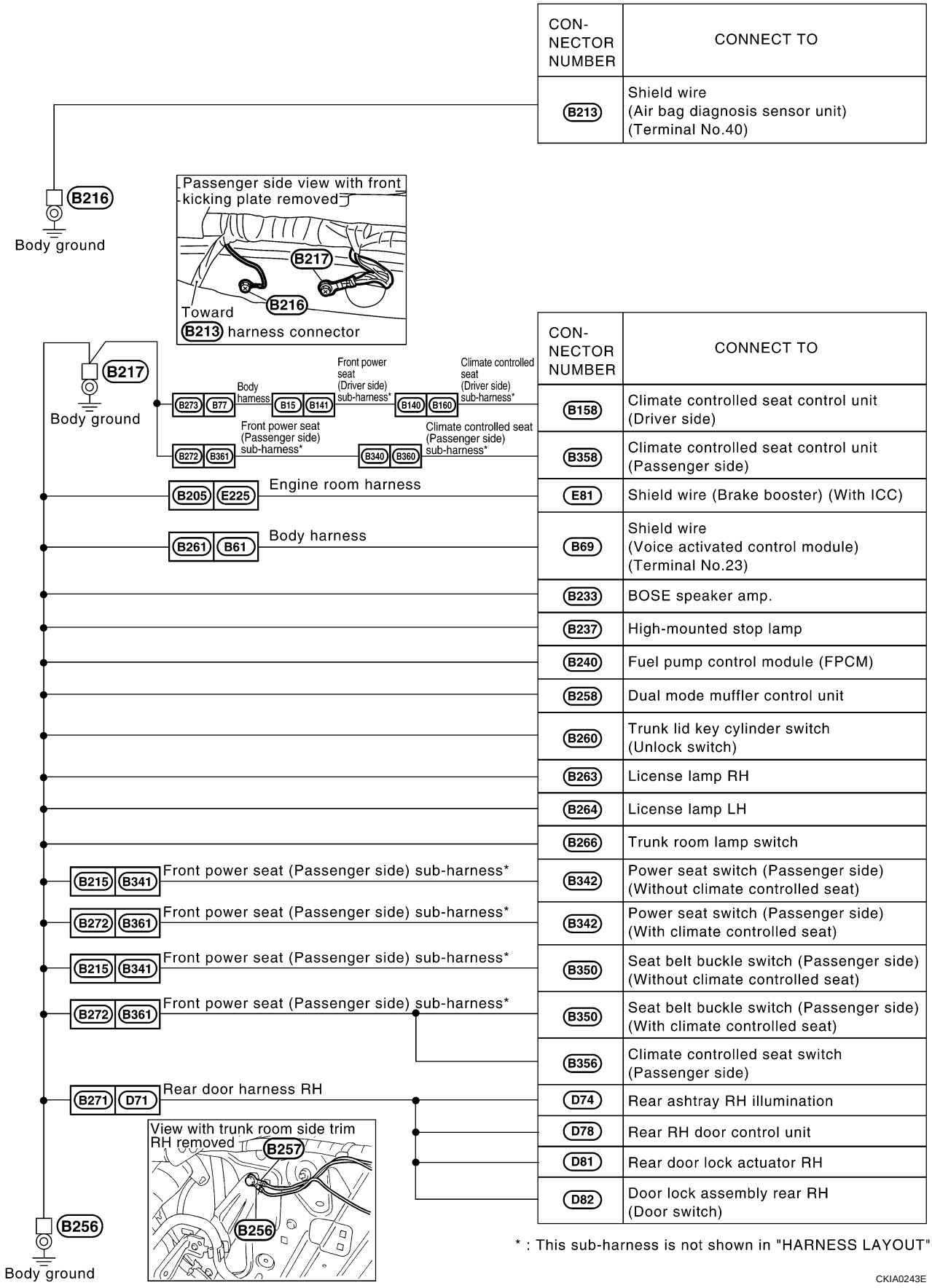
CKIA0241E


A
Preceding page
B21
D51
Rear door harness LH
D54
Rear ashtray LH illumination
D58
Rear LH door control unit
D61
Rear door lock actuator LH
D62
Door lock assembly rear LH
(Door switch)
B57
Body ground


View with trunk room rear trim removed
B57

CKIA0242E

BODY NO.2 HARNESS



CON-NECTOR NUMBER	CONNECT TO
B213	Shield wire (Air bag diagnosis sensor unit) (Terminal No.40)

CON-NECTOR NUMBER	CONNECT TO
B158	Climate controlled seat control unit (Driver side)
B358	Climate controlled seat control unit (Passenger side)
E81	Shield wire (Brake booster) (With ICC)
B69	Shield wire (Voice activated control module) (Terminal No.23)
B233	BOSE speaker amp.
B237	High-mounted stop lamp
B240	Fuel pump control module (FPCM)
B258	Dual mode muffler control unit
B260	Trunk lid key cylinder switch (Unlock switch)
B263	License lamp RH
B264	License lamp LH
B266	Trunk room lamp switch
B342	Power seat switch (Passenger side) (Without climate controlled seat)
B342	Power seat switch (Passenger side) (With climate controlled seat)
B350	Seat belt buckle switch (Passenger side) (Without climate controlled seat)
B350	Seat belt buckle switch (Passenger side) (With climate controlled seat)
B356	Climate controlled seat switch (Passenger side)
D74	Rear ashtray RH illumination
D78	Rear RH door control unit
D81	Rear door lock actuator RH
D82	Door lock assembly rear RH (Door switch)

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

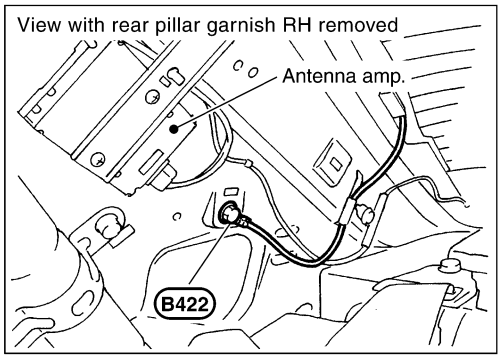
CKIA0243E

CON-NECTOR NUMBER	CONNECT TO
B243	ICC unit (Terminal No.19)
B243	ICC unit (Terminal No.20)
B244	ICC unit (Terminal No.46)

B257
Body ground

CON-NECTOR NUMBER	CONNECT TO
B421	Rear window defogger (-)

B422
Body ground



CKIA0244E

HARNESS

PFP:00011

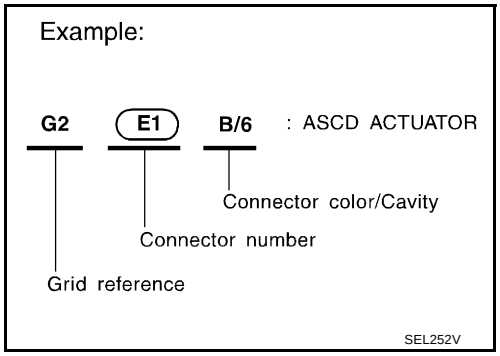
Harness Layout

AKS002RT

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 Compartment)
- Engine Control Harness
- Body Harness
- Body No.2 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.

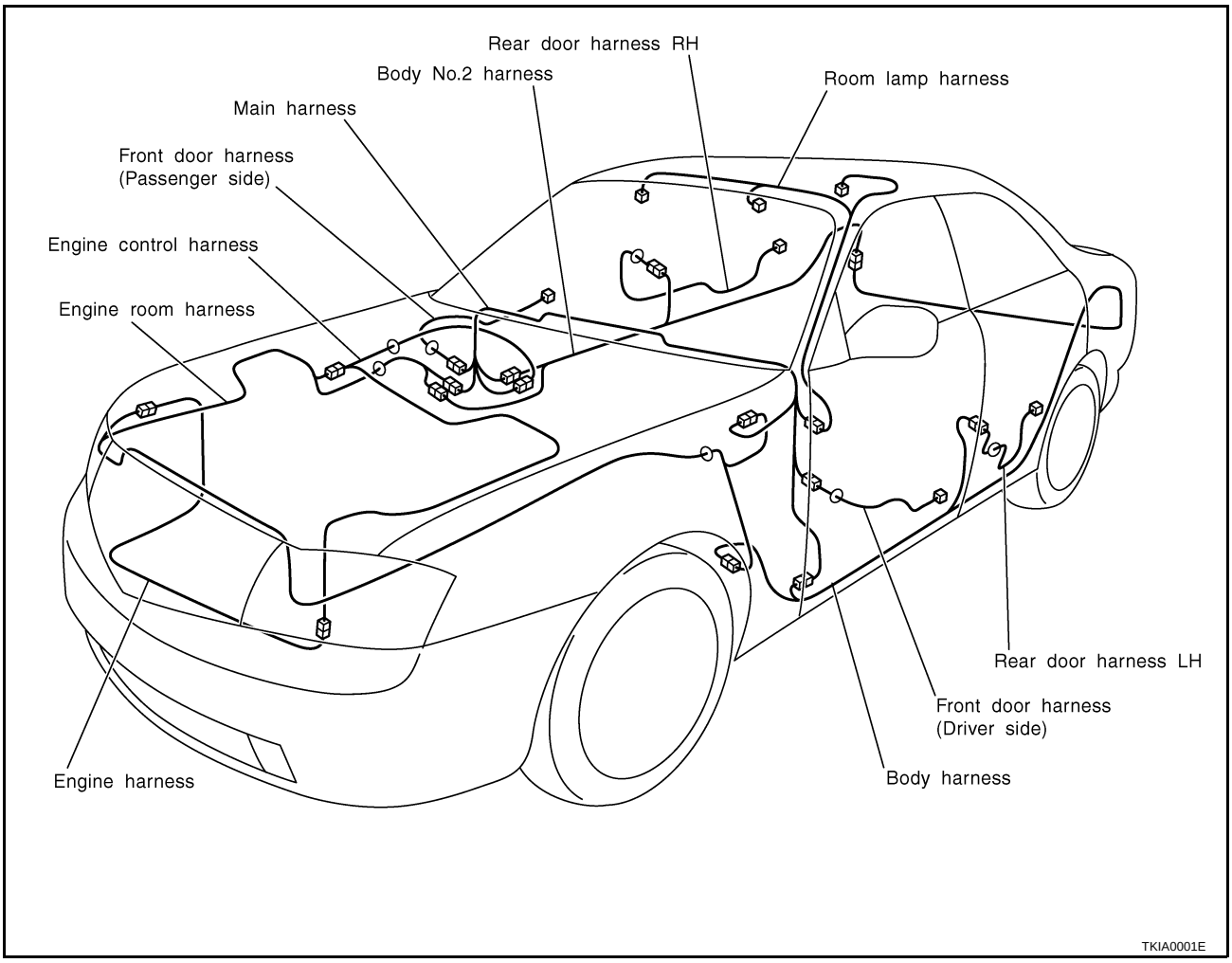
CONNECTOR SYMBOL

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

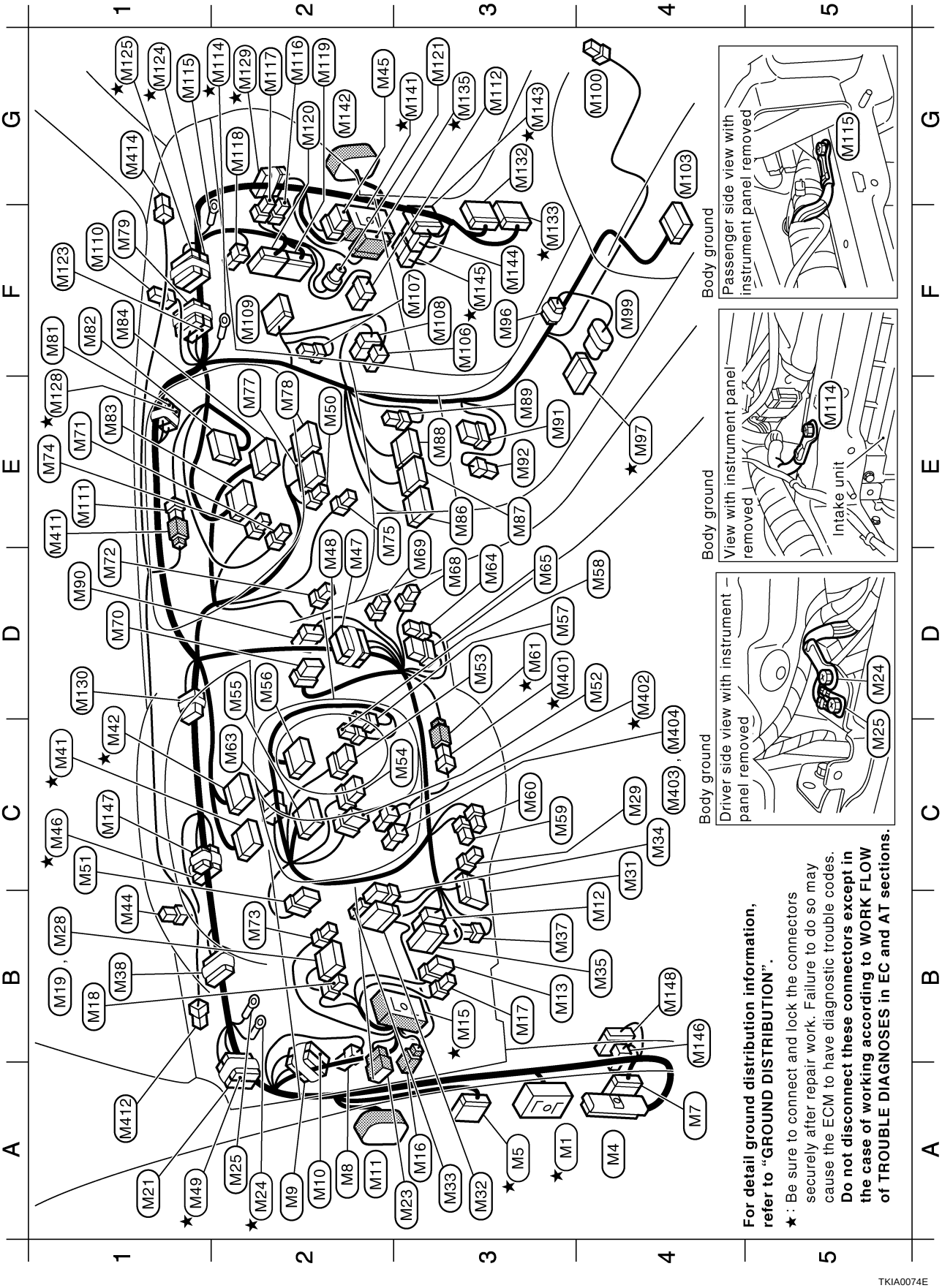
Connector type	Water proof type		Standard type	
	Male	Female	Male	Female
• Cavity: Less than 4 • Relay connector				
• Cavity: From 5 to 8				
• Cavity: More than 9	—	—		
• Ground terminal etc.	—			

SKIA0404E

OUTLINE


Rear door harness RH
Body No.2 harness
Room lamp harness
Main harness
Front door harness
(Passenger side)
Engine control harness
Engine room harness
Rear door harness LH
Front door harness
(Driver side)
Engine harness
Body harness
TKIA0001E

MAIN HARNESS



A3 ★ (M1) SMJ : Fuse block (J/B) No.1
A4 (M4) SMJ : BCM (Body control module)
A3 ★ (M5) SMJ : To (B5)
A4 (M7) W/24 : To (B7) (With NAVI)
A2 (M8) B/1 : Parking brake switch
A2 (M9) P/20 : Joint connector-1
A2 (M10) B/20 : Joint connector-2
A2 (M11) SMJ : To (D1)
B4 (M12) W/8 : Shift lock control unit
B3 (M13) GY/6 : VDC off switch
B3 ★ (M15) SMJ : To (E205)
A3 (M16) Y/4 : To (E206)
B3 (M17) W/3 : Illumination control switch
B1 (M18) W/4 : Headlamp aiming switch
B1 (M19) W/10 : Door mirror remote control switch (With memory mirror)
A1 (M21) GY/20 : Joint connector-3
A3 (M23) W/12 : To (R3)
A2 ★ (M24) — : Body ground
A2 (M25) — : Body ground
B1 (M28) W/10 : Door mirror remote control switch (Without memory mirror)
C4 (M29) W/2 : Tire pressure warning check connector
C4 (M31) W/16 : Data link connector
A3 (M32) W/16 : NATS IMMU
A3 (M33) W/6 : Headlamp battery saver control unit
C4 (M34) W/8 : Headlamp battery saver control unit
B4 (M35) BR/24 : ASCD control unit (Without ICC)
B3 (M37) W/3 : ICC warning chime (With ICC)
B1 (M38) P/20 : Joint connector-5
C1 ★ (M41) W/40 : Combination meter
C1 ★ (M42) W/24 : Combination meter
B1 (M44) B/2 : Sunload sensor
G2 (M45) W/6 : Joint connector-6
C1 ★ (M46) B/20 : Joint connector-7
D2 (M47) GY/20 : Joint connector-8
D2 (M48) B/20 : Joint connector-9
A1 ★ (M49) L/20 : Joint connector-10
E2 (M50) GY/3 : AV control unit (Without NAVI)
C1 (M51) GY/6 : ADP steering switch
D4 (M52) W/8 : Steering angle sensor
D3 (M53) GY/8 : Combination switch (Spiral cable)
C3 (M54) Y/6 : Combination switch (Spiral cable)
D2 (M55) W/12 : Combination switch (Lighting switch)
D2 (M56) GY/12 : Combination switch (Front wiper switch)
D3 (M57) W/3 : Tilt sensor
D4 (M58) W/2 : Tilt motor
C3 (M59) W/3 : Telescopic sensor
C3 (M60) W/2 : Telescopic motor
D3 ★ (M61) W/4 : To (M401)
C2 (M63) W/6 : Front fog lamp switch
D3 (M64) W/4 : Key switch and key lock solenoid
D3 (M65) W/6 : NATS antenna amp.
D3 (M68) W/2 : In-vehicle sensor
D3 (M69) GY/4 : Steering lock control unit
D1 (M70) B/5 : Ignition switch
E1 (M71) W/4 : Hazard switch
D1 (M72) W/2 : Ignition key hole illumination
B2 (M73) W/2 : Security indicator lamp
E1 (M74) W/3 : Warning chime
E2 (M75) W/4 : Clock
E2 (M77) GY/24 : AV control unit (Without NAVI)
E2 (M78) W/24 : AV control unit (Without NAVI)
F1 (M79) G/20 : Joint connector-11
F1 (M81) P/20 : Joint connector-13
F1 (M82) GY/24 : Display
E1 (M83) W/20 : Multifunction switch
F1 (M84) W/16 : Low tire pressure warning control unit
E3 (M86) W/12 : Audio unit
E3 (M87) W/16 : Audio unit
E3 (M88) W/12 : Audio unit
E3 (M89) BR/2 : Antenna amp. (Via sub-harness)
D1 (M90) W/6 : Heater and cooler unit assembly
E3 (M91) W/8 : Combination flasher unit
E3 (M92) W/3 : Front cigarette lighter socket
F3 (M96) W/4 : Handset
E4 ★ (M97) W/12 : A/T device
F4 (M99) B/6 : Yaw rate / side G sensor
G4 (M100) B/2 : Front power socket
G4 (M103) Y/28 : Air bag diagnosis sensor unit
F3 (M106) W/3 : Mode door motor (Passenger side)
F3 (M107) W/3 : Air mix door motor (Passenger side)

★: 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.**

TKIA0003E

F3	M108	W/8	:	Power steering control unit
F2	M109	W/16	:	CD auto changer
F1	M110	W/3	:	Optical sensor
E1	M111	W/4	:	To M411
G3	M112	W/6	:	Blower motor
G2 ★	M114	—	:	Body ground
G1	M115	—	:	Body ground
G2	M116	W/2	:	Glove box lamp
G2	M117	W/2	:	Trunk lid opener cancel switch
G2	M118	W/3	:	Intake door motor
G2	M119	GY/20	:	A/C auto amp.
G2	M120	GY/16	:	A/C auto amp.
G3	M121	Y/4	:	Front passenger air bag module
F1	M123	L/20	:	Joint connector-14
G1 ★	M124	OR/20	:	Joint connector-15
G1 ★	M125	B/20	:	Joint connector-16
E1 ★	M128	OR/20	:	Joint connector-19
G2 ★	M129	G/20	:	Joint connector-20
D1	M130	W/6	:	Joint connector-21
G3	M132	W/20	:	To E222
F3 ★	M133	W/12	:	To E223
G3 ★	M135	SMJ	:	To F105
G3 ★	M141	SMJ	:	To B211
G2	M142	SMJ	:	To D31
G3 ★	M143	W/10	:	Fuse block (J/B) No.2
F3	M144	W/8	:	Fuse block (J/B) No.2
F3 ★	M145	W/6	:	Fuse block (J/B) No.2
B4	M146	BR/2	:	To B78 (Without NAVI)
C1	M147	W/2	:	Diode
B4	M148	W/10	:	To B79

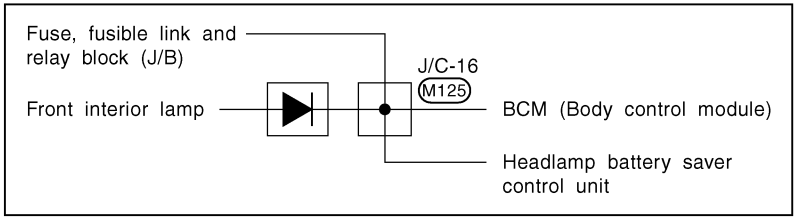
Main sub-harness-1

D3 ★	M401	W/4	:	To M61
D4 ★	M402	B/2	:	Stop lamp switch
C4	M403	BR/2	:	ASCD brake switch (Without ICC)
C4	M404	BR/2	:	ICC brake switch (With ICC)

Main sub-harness-2

E1	M411	W/4	:	To M111
A1	M412	BR/2	:	Instrument speaker LH
G1	M414	BR/2	:	Instrument speaker RH

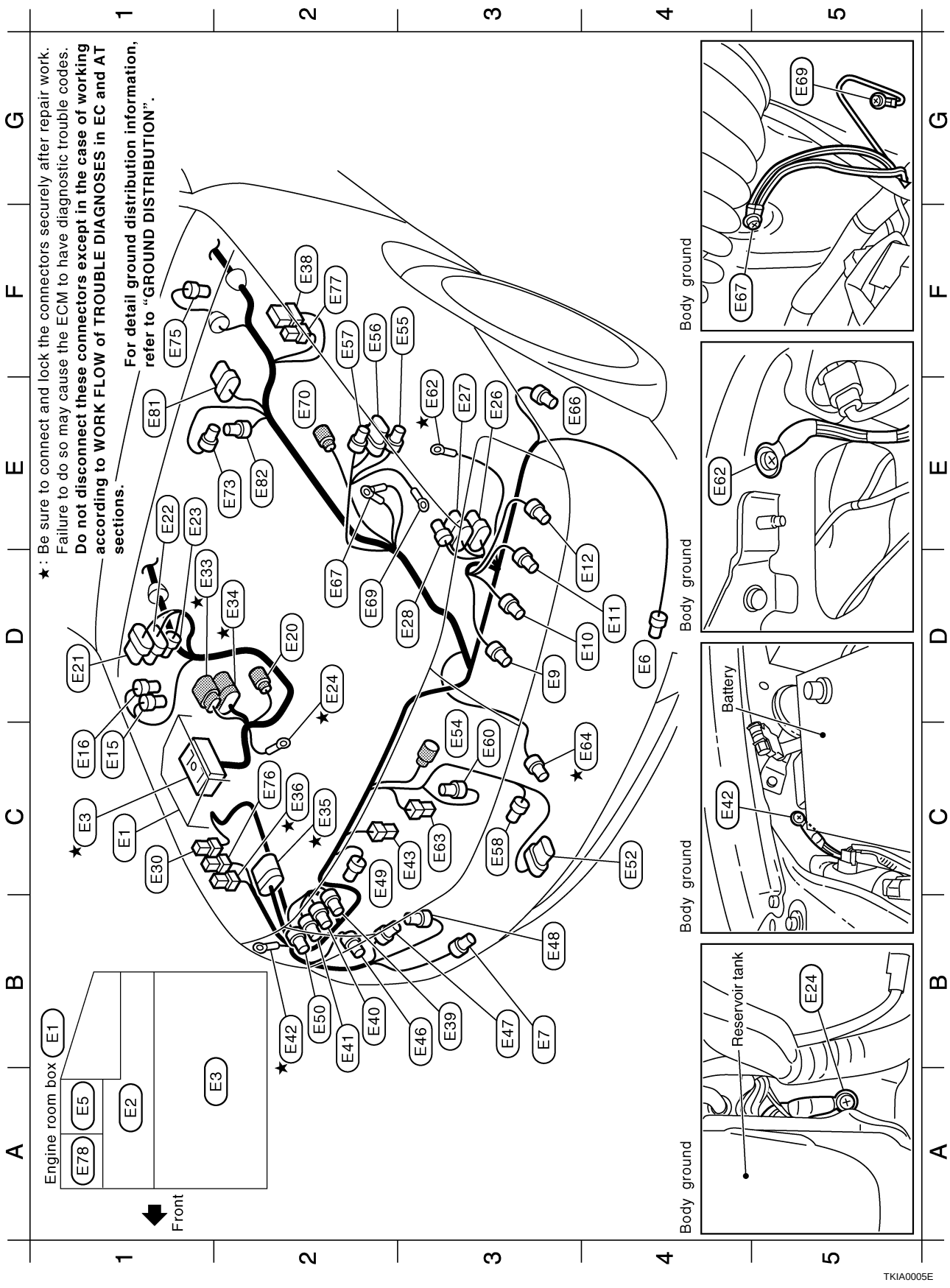
Diode M147



★: 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.**

TKIA0075E

ENGINE ROOM HARNESS
Engine Compartment

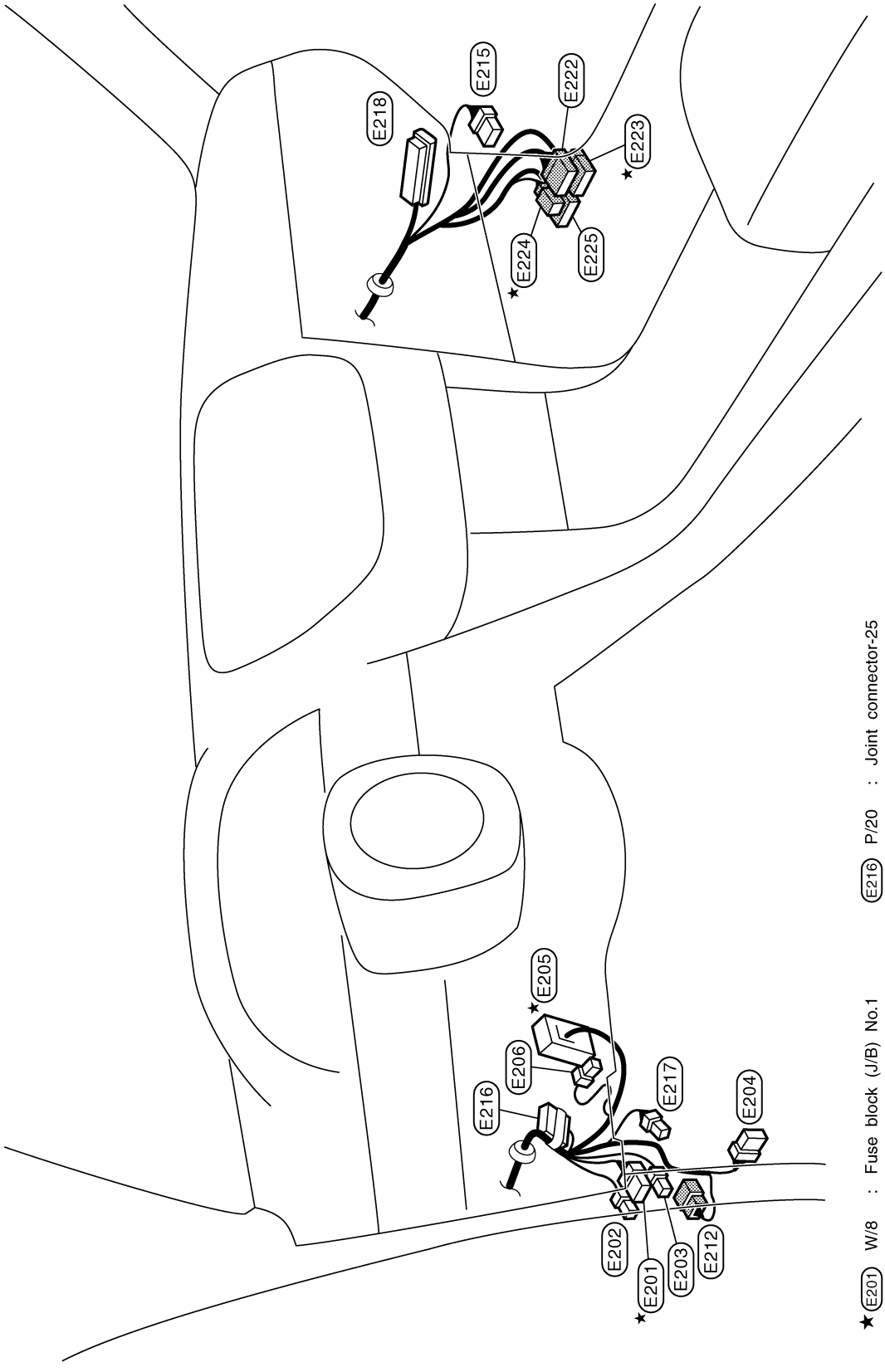


C1	E1	—	:	Engine room box
A1	E2	—	:	Fuse, fusible link and relay box
C1 ★	E3	SMJ	:	Fuse, fusible link and relay block (J/B)
A1	E5	L/4	:	Headlamp relay-2
D4	E6	L/2	:	Front fog lamp LH
B3	E7	L/2	:	Front fog lamp RH
D3	E9	B/2	:	Headlamp LH
D4	E10	B/2	:	Headlamp LH
D4	E11	B/3	:	Headlamp aiming motor LH
D4	E12	GY/3	:	Front combination lamp LH
C1	E15	SB/4	:	ASCD pump (With ICC)
C1	E16	SB/4	:	ASCD pump (Without ICC)
D2	E20	GY/2	:	Front wheel sensor RH
D1	E21	DGY/8	:	VDC actuator
E1	E22	SB/8	:	VDC actuator
E1	E23	B/2	:	VDC actuator
D2 ★	E24	—	:	Body ground
E3	E26	SB/8	:	Daytime light control unit } (For Canada)
E3	E27	SB/6	:	Daytime light control unit
D3	E28	SB/4	:	Daytime light control unit
C1	E30	B/1	:	Security horn
D2 ★	E33	GY/8	:	To F33
D2 ★	E34	B/10	:	To F34
C2 ★	E35	GY/9	:	To E305
C2 ★	E36	L/4	:	A/T pv ign relay
F2	E38	GY/6	:	ICC brake hold relay (With ICC)
B3	E39	B/2	:	Headlamp RH
B2	E40	B/2	:	Headlamp RH
B2	E41	B/3	:	Headlamp aiming motor RH
B2 ★	E42	—	:	Body ground
C3	E43	B/1	:	Horn low
B3	E46	GY/2	:	Front side marker lamp RH
B3	E47	BR/2	:	Washer level switch
B3	E48	GY/2	:	Front washer motor
C2	E49	B/3	:	Refrigerant pressure sensor
B2	E50	GY/3	:	Front combination lamp RH
C4	E52	-/6	:	ICC sensor (With ICC)
C3	E54	GY/2	:	Hood switch
F3	E55	W/2	:	VDC relay box
F2	E56	DGY/8	:	VDC relay box
F2	E57	B/2	:	VDC relay box
C3	E58	B/2	:	Ambient sensor
C3	E60	Y/2	:	Crash zone sensor
E3 ★	E62	—	:	Body ground
C3	E63	B/1	:	Horn high
C4 ★	E64	GY/2	:	Radiator coolant temperature sensor
E4	E66	GY/2	:	Front side marker lamp LH
D2	E67	—	:	Body ground
D2	E69	—	:	Body ground
E2	E70	GY/2	:	Front wheel sensor LH
E2	E73	GY/2	:	Brake fluid level switch
F1	E75	SB/6	:	Front wiper motor
C2	E76	BR/6	:	Climate controlled seat relay
F2	E77	W/3	:	Security horn relay
A1	E78	—	:	Fuse block
E1	E81	GY/6	:	Brake booster } (With ICC)
E2	E82	-/3	:	Brake pressure 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.**

TKIA0006E

Passenger Compartment



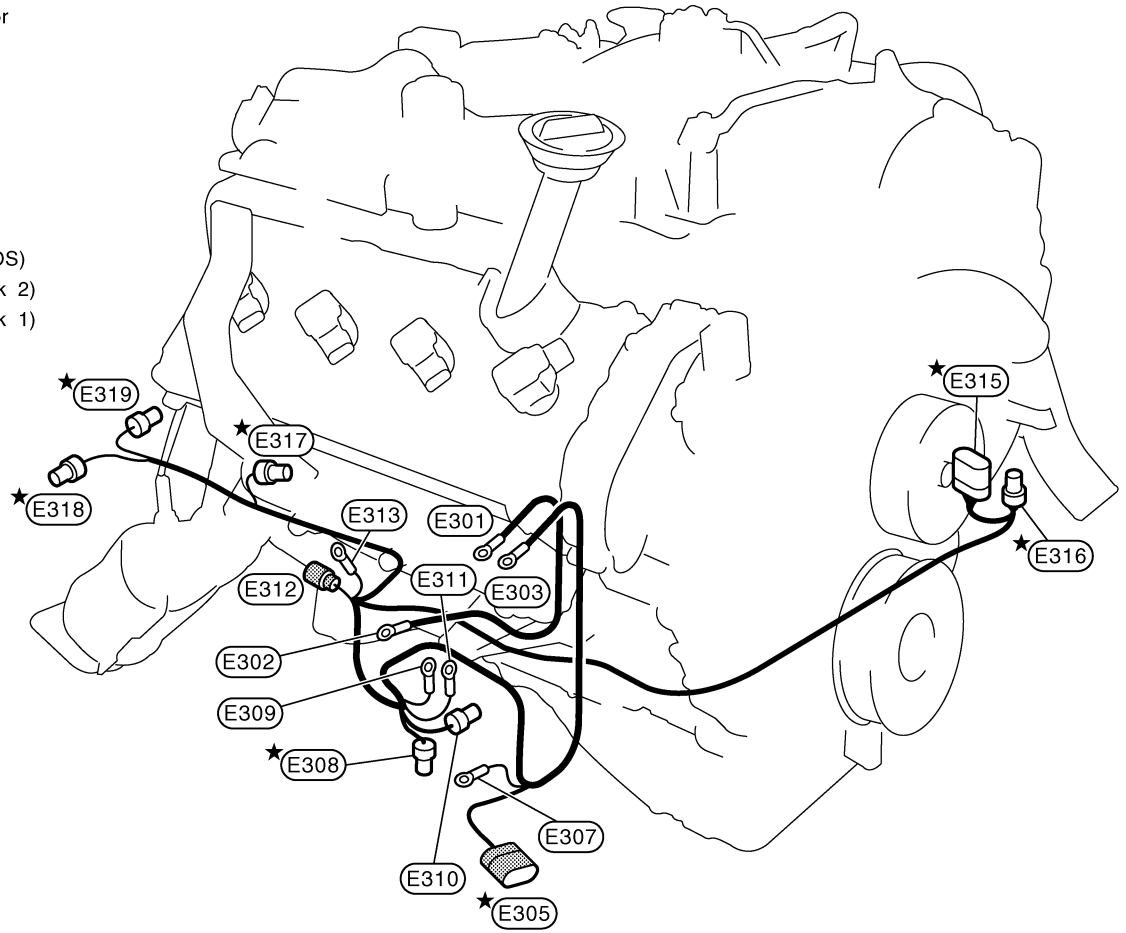
★: Be sure to connect and lock the connectors securely after repair work. Failure to do so may cause the ECM to have diagnostic trouble codes. **Do not disconnect these connectors except in the case of working according to WORK FLOW of TROUBLE DIAGNOSES in EC and AT sections.**

★	E201	W/8	: Fuse block (J/B) No.1	E216	P/20	: Joint connector-25
	E202	W/4	: Fuse block (J/B) No.1	E217	L/4	: Front fog lamp relay
	E203	W/4	: Fuse block (J/B) No.1	E218	SMJ	: VDC/TCS/ABS control unit
	E204	BR/8	: BCM (Body control module)	E222	W/20	: To (M132)
★	E205	SMJ	: To (M15)	★ E223	W/12	: To (M133)
	E206	Y/4	: To (M16)	★ E224	BR/4	: To (B204)
	E212	W/6	: To (B12)	E225	W/20	: To (B205)
	E215	W/6	: Fuse block (J/B) No.2			

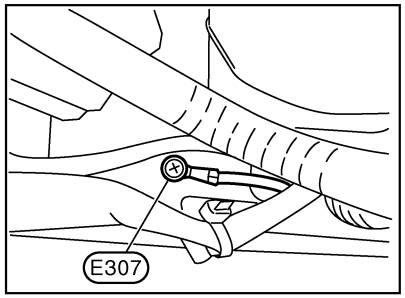
TKIA0007E

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

E301	—	:	Battery (+)
E302	—	:	Fuse, fusible link and relay box and fuse, fusible link and relay block (J/B)
E303	—	:	Battery (+)
★ E305	GY/9	:	To E35
E307	—	:	Body ground
★ E308	B/3	:	Power steering pressure sensor
E309	—	:	Alternator
E310	GY/2	:	Alternator
E311	—	:	Alternator
E312	GY/1	:	Starter motor
E313	—	:	Starter motor
★ E315	GY/10	:	To F5
★ E316	BR/3	:	To F6
★ E317	B/3	:	Crankshaft position sensor (POS)
★ E318	L/4	:	Heated oxygen sensor 2 (Bank 2)
★ E319	G/4	:	Heated oxygen sensor 2 (Bank 1)



Body ground

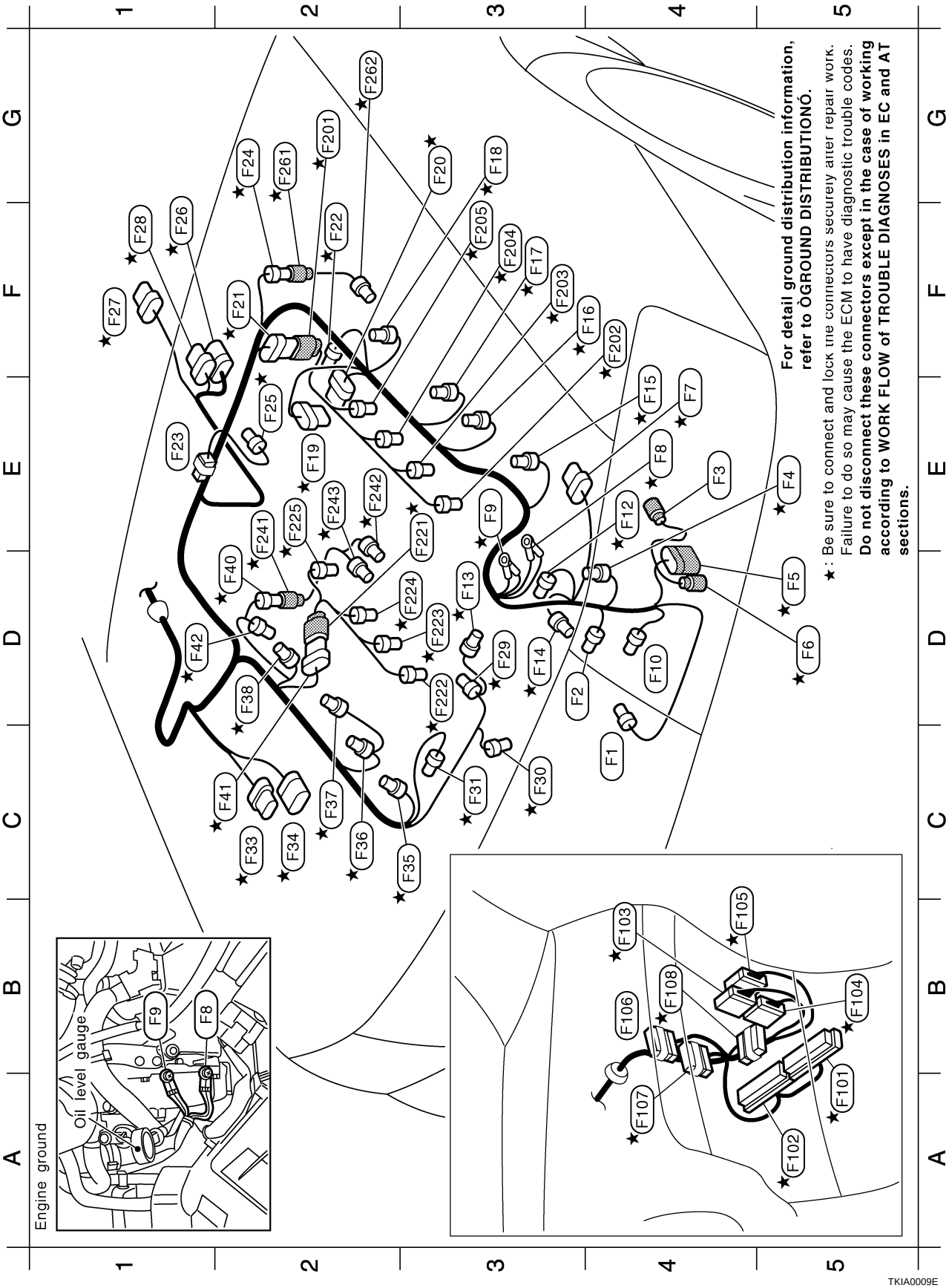


For detail ground distribution information, refer to "GROUND DISTRIBUTION".

★ : 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.**

TKIA0008E

ENGINE CONTROL HARNESS



Engine control harness

C4	F1	GY/1	:	Oil pressure switch
D4	F2	B/1	:	Compressor
E4	F3	BR/2	:	Power steering solenoid valve
E5 ★	F4	B/3	:	Camshaft position sensor (PHASE)
D5 ★	F5	GY/10	:	To E315
D5 ★	F6	B/3	:	To E316
E4 ★	F7	GY/5	:	Mass air flow sensor
E4 ★	F8	—	:	Engine ground
E3 ★	F9	—	:	Engine ground
D4	F10	B/2	:	Compressor
E4 ★	F12	B/3	:	Intake valve timing control position sensor (Bank 1)
D3 ★	F13	G/2	:	Intake valve timing control solenoid valve (Bank 1)
D3 ★	F14	GY/2	:	Cooling fan speed control solenoid valve
E4 ★	F15	GY/3	:	Ignition coil (With power transistor No.1)
F4 ★	F16	GY/3	:	Ignition coil (With power transistor No.3)
F3 ★	F17	GY/3	:	Ignition coil (With power transistor No.5)
G3 ★	F18	GY/3	:	Ignition coil (With power transistor No.7)
E2 ★	F19	G/6	:	Electric throttle control actuator
G3 ★	F20	L/6	:	Electric throttle control actuator
F2 ★	F21	G/6	:	To F201
F2 ★	F22	G/4	:	Heated oxygen sensor 1 (Bank 1)
E1	F23	GY/2	:	Condenser
G2 ★	F24	SB/2	:	To F261
E2 ★	F25	L/2	:	EVAP canister purge volume control solenoid valve
F1 ★	F26	G/10	:	A/T assembly
F1 ★	F27	G/8	:	A/T assembly
F1 ★	F28	B/8	:	A/T assembly
D3	F29	B/2	:	VIAS control solenoid valve
C3 ★	F30	B/3	:	Intake valve timing control position sensor (Bank 2)
C3 ★	F31	G/2	:	Intake valve timing control solenoid valve (Bank 2)
C2 ★	F33	GY/8	:	To E33
C2 ★	F34	B/10	:	To E34
C3 ★	F35	GY/3	:	Ignition coil (With power transistor No.2)
C2 ★	F36	GY/3	:	Ignition coil (With power transistor No.4)
C2 ★	F37	GY/3	:	Ignition coil (With power transistor No.6)
D2 ★	F38	GY/3	:	Ignition coil (With power transistor No.8)
D2 ★	F40	DGY/4	:	To F241
C2 ★	F41	G/6	:	To F221
D1 ★	F42	G/4	:	Heated oxygen sensor 1 (Bank 2)
A5 ★	F101	SMJ	:	ECM
A5 ★	F102	SMJ	:	ECM
B4 ★	F103	W/24	:	TCM (Transmission control module)
B5 ★	F104	GY/24	:	TCM (Transmission control module)
B4 ★	F105	SMJ	:	To M135
B4	F106	P/20		Joint connector-28
A4 ★	F107	P/20		Joint connector-29
B4 ★	F108	L/12		Joint connector-30

Engine control sub-harness-1

G2 ★	F201	G/6	:	To F21
F4 ★	F202	GY/2	:	Injector No.1
F3 ★	F203	GY/2	:	Injector No.3
F3 ★	F204	GY/2	:	Injector No.5
F3 ★	F205	GY/2	:	Injector No.7

Engine control sub-harness-2

E3 ★	F221	G/6	:	To F41
D3 ★	F222	GY/2	:	Injector No.2
D3 ★	F223	GY/2	:	Injector No.4
D3 ★	F224	GY/2	:	Injector No.6
E2 ★	F225	GY/2	:	Injector No.8

Engine control sub-harness-3

E2 ★	F241	B/4	:	To F40
E2 ★	F242	GY/2	:	Knock sensor (Bank 1)
E2 ★	F243	GY/2	:	Knock sensor (Bank 2)

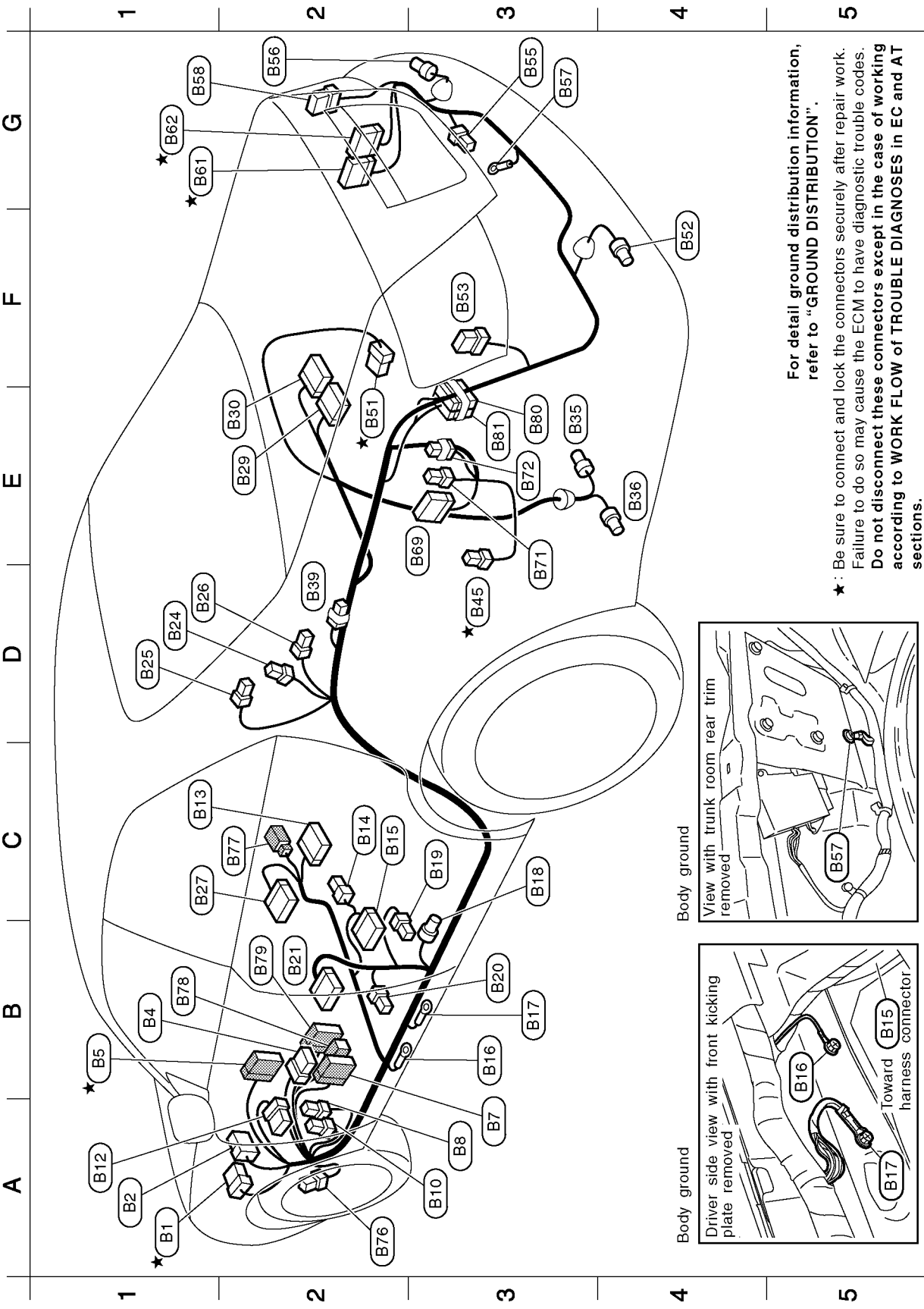
Engine control sub-harness-4

G2 ★	F261	SB/2	:	To F24
G2 ★	F262	GY/2	:	Engine coolant 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.**

TKIA0010E

BODY HARNESS



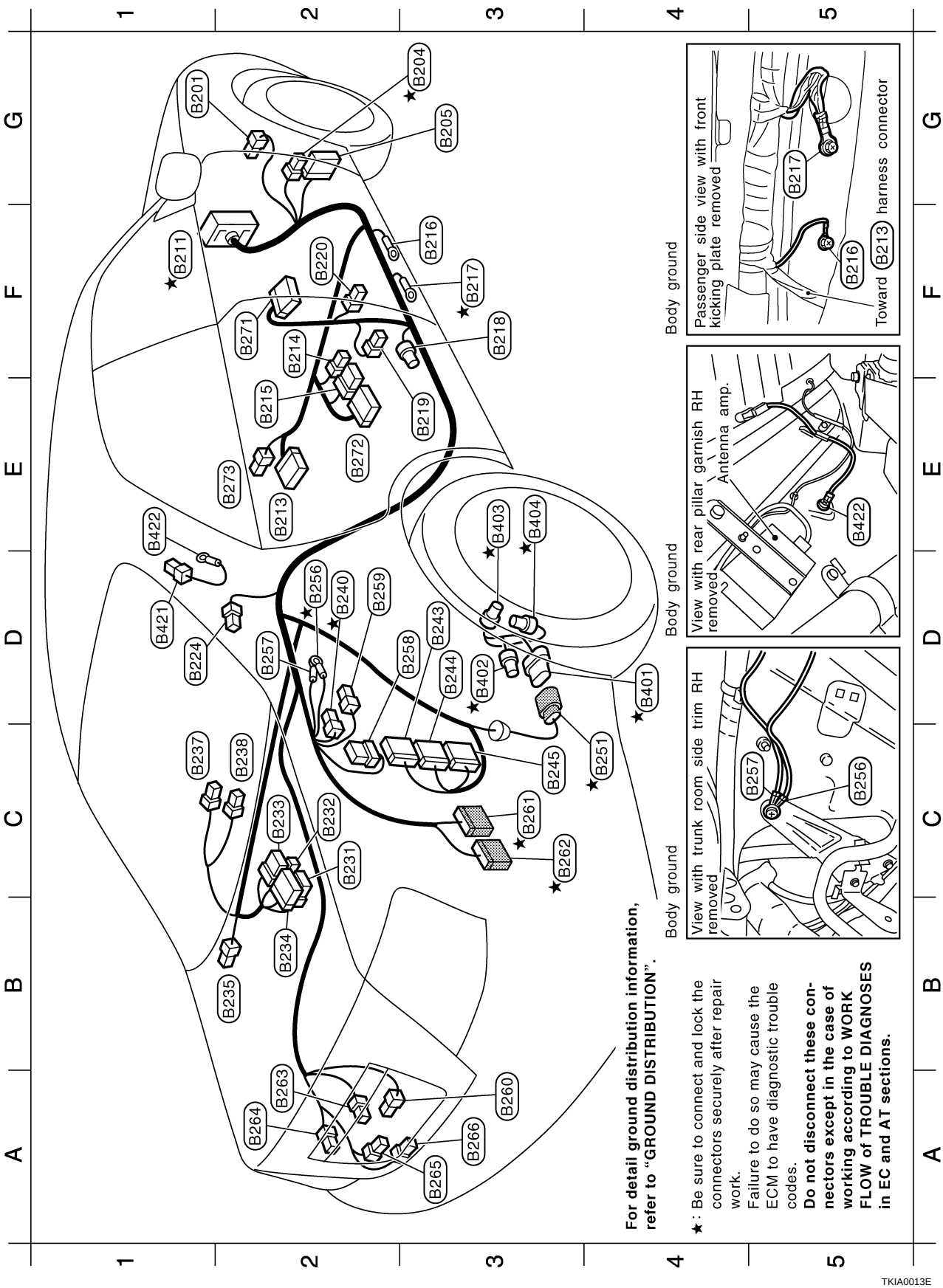
TKIA0076E

A1 ★	B1	W/8	:	Fuse block (J/B) No.1
A1	B2	W/6	:	Fuse block (J/B) No.1
B1	B4	W/8	:	BCM (Body control module)
B1 ★	B5	SMJ	:	To M5
A3	B7	W/24	:	To M7
A3	B8	BR/6	:	Rear window defogger and door mirror defogger relay
A3	B10	L/4	:	Door mirror defogger relay
A1	B12	W/6	:	To E212
C1	B13	Y/12	:	Air bag diagnosis sensor unit
C2	B14	Y/2	:	Front LH side air bag module
C2	B15	W/10	:	Front power seat (Driver side) (Via sub-harness)
B3	B16	—	:	Body ground
B3	B17	—	:	Body ground
C3	B18	Y/2	:	LH side air bag (satellite) sensor
C3	B19	Y/2	:	Front LH seat belt pre-tensioner
B3	B20	W/3	:	Front door switch (Driver side)
B2	B21	W/18	:	To D51
D1	B24	Y/2	:	LH side curtain air bag module
D1	B25	W/1	:	Condenser (Rear window defogger)
D1	B26	W/4	:	Remote keyless entry receiver
C1	B27	W/16	:	Option connector-1 for voice activated system
E2	B29	GY/24	:	AV and NAVI control unit } (With NAVI)
E2	B30	W/24	:	AV and NAVI control unit } (With NAVI)
E3	B35	SB/4	:	Rear wheel sensor
E4	B36	GY/2	:	Dual mode muffler actuator
D2	B39	GY/2	:	Condenser
D3 ★	B45	W/2	:	Dropping resistor
E2 ★	B51	W/6	:	Fuel level sensor unit and fuel pump
F4	B52	GY/2	:	Rear side marker lamp LH
F3	B53	W/6	:	Rear combination lamp LH
G3	B55	W/4	:	Trunk closure control unit
G2	B56	GY/2	:	Rear side marker lamp RH
G3	B57	—	:	Body ground
G1	B58	W/6	:	Rear combination lamp RH
G1 ★	B61	GY/24	:	To B261
G1 ★	B62	W/10	:	To B262
E3	B69	W/22	:	Voice activated control module
E3	B71	GY/3	:	Voice activated control module
E3	B72	-/4	:	Option connector-2 for voice activated system
A2	B76	L/4	:	Back-up lamp relay
C2	B77	W/2	:	To B273
B1	B78	BR/2	:	To M146
B2	B79	W/10	:	To M148
E3	B80	W/16	:	Jumping connector (For Satellite radio receiver)
E3	B81	W/16	:	Jumping connector (For Satellite radio receiver)

★: 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.**

TKIA0077E

BODY NO. 2 HARNESS



Body No.2 harness

G1	B201	W/4	:	Fuse block (J/B) No.2
G3★	B204	BR/4	:	To E224
G3	B205	W/20	:	To E225
F1★	B211	SMJ	:	To M141
E2	B213	Y/12	:	Air bag diagnosis sensor unit
F2	B214	Y/2	:	Front RH side air bag module
E2	B215	W/8	:	Front power seat (Passenger side) (Via sub-harness) (Without climate controlled seat)
F3	B216	—	:	Body ground
F3★	B217	—	:	Body ground
F3	B218	Y/2	:	RH side air bag (satellite) sensor
E3	B219	Y/2	:	Front RH seat belt pre-tensioner
F2	B220	W/3	:	Front door switch (Passenger side)
D1	B224	Y/2	:	RH side curtain air bag module
C2	B231	B/6	:	BOSE speaker amp.
C2	B232	W/4	:	BOSE speaker amp.
C2	B233	LGY/8	:	BOSE speaker amp.
B2	B234	B/24	:	BOSE speaker amp.
B2	B235	W/2	:	Woofer
C1	B237	W/2	:	High-mounted stop lamp
C2	B238	W/2	:	Trunk room lamp
D2★	B240	W/4	:	Fuel pump control module (FPCM)
D3	B243	W/24	:	ICC unit
D3	B244	GY/24	:	ICC unit
C3	B245	G/24	:	ICC unit
C4★	B251	SB/8	:	To B401
D2★	B256	—	:	Body ground
D2	B257	—	:	Body ground (With ICC)
D3	B258	W/6	:	Dual mode muffler control unit
D2	B259	W/4	:	Fuel lid opener actuator
A3	B260	W/3	:	Trunk lid key cylinder switch (Unlock switch)
C3★	B261	GY/24	:	To B61
C3★	B262	W/10	:	To B62
A2	B263	BR/2	:	License lamp RH
A2	B264	BR/2	:	License lamp LH
A3	B265	B/2	:	Trunk lid opener actuator
A3	B266	W/2	:	Trunk room lamp switch
F2	B271	W/18	:	To D71
E2	B272	W/10	:	Front power seat (Passenger side) (Via sub-harness) (With climate controlled seat)
E2	B273	W/2		To B77

Body No.2 sub-harness-1

D4★	B401	SB/8	:	To B251
D3★	B402	B/2	:	EVAP canister vent control valve
E3★	B403	BR/3	:	EVAP control system pressure sensor
E3★	B404	G/2	:	Vacuum cut valve bypass valve

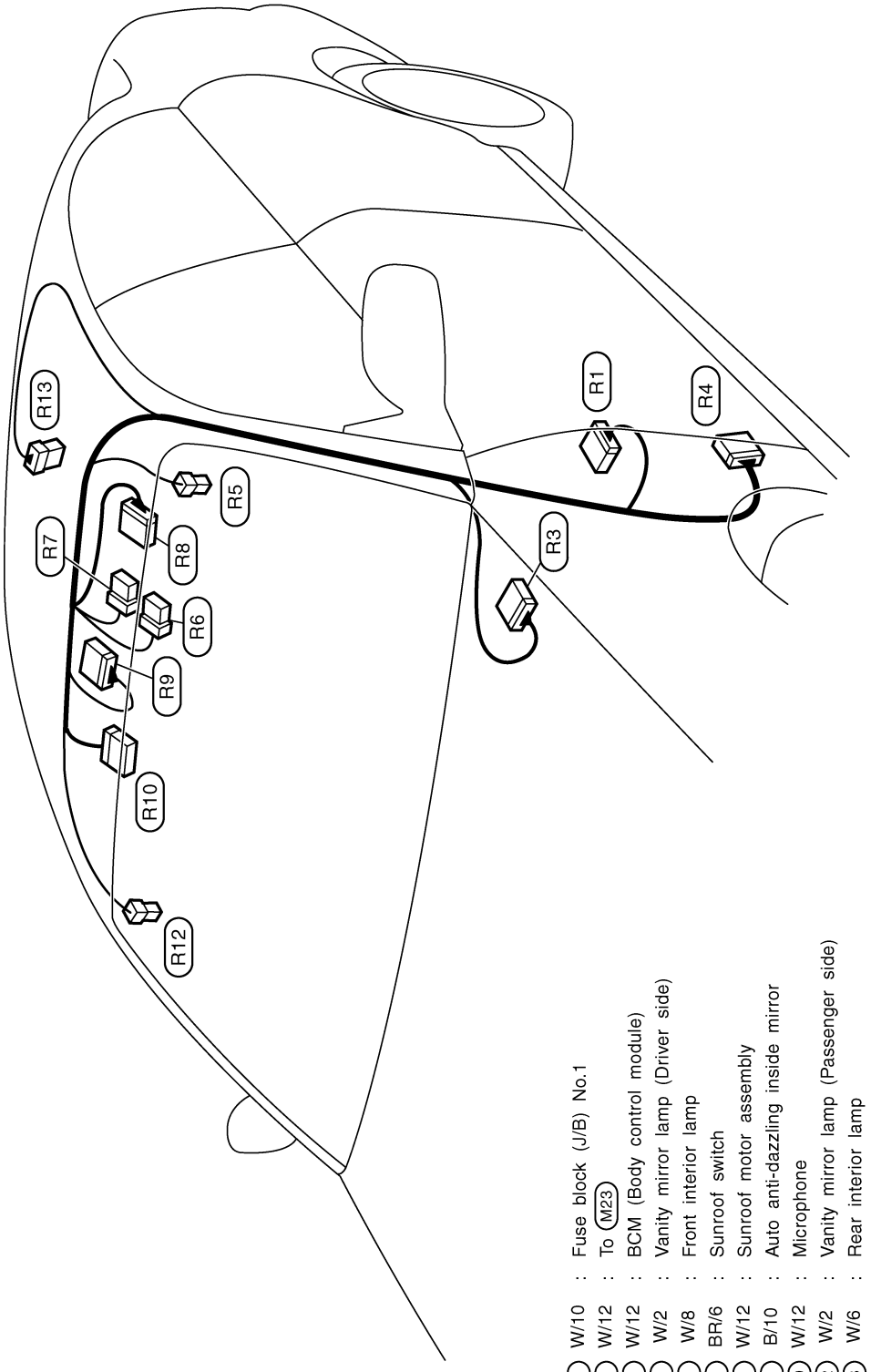
Body No.2 sub-harness-2

D1	B421	B/1	:	Rear window defogger (-)
E1	B422	—		Body ground

★: 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.**

TKIA0014E

ROOM LAMP HARNESS



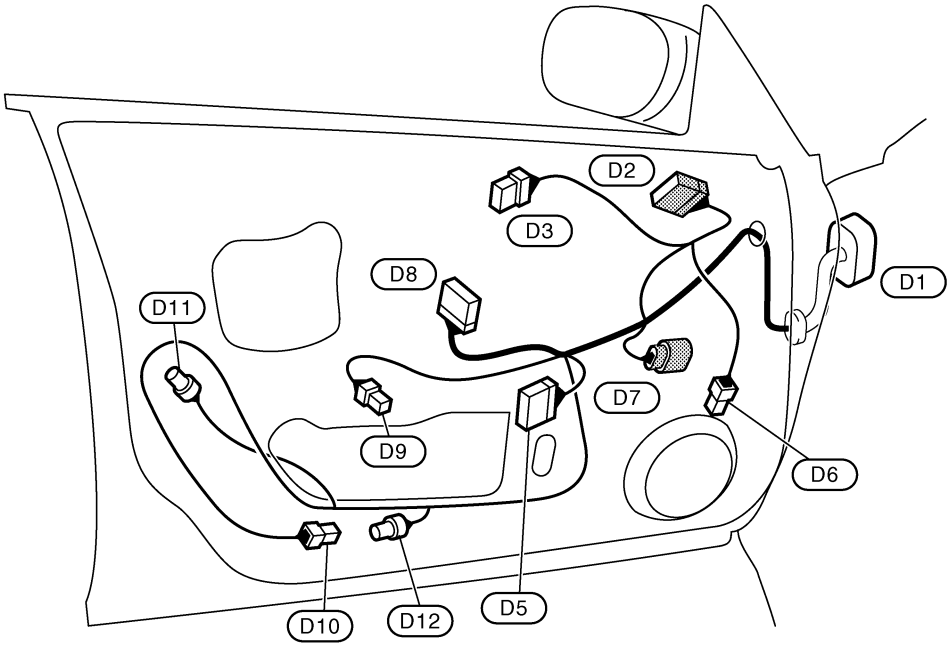
R1	W/10	: Fuse block (J/B) No.1
R3	W/12	: To (M23)
R4	W/12	: BCM (Body control module)
R5	W/2	: Vanity mirror lamp (Driver side)
R6	W/8	: Front interior lamp
R7	BR/6	: Sunroof switch
R8	W/12	: Sunroof motor assembly
R9	B/10	: Auto anti-dazzling inside mirror
R10	W/12	: Microphone
R12	W/2	: Vanity mirror lamp (Passenger side)
R13	W/6	: Rear interior lamp

TKIA0015E

FRONT DOOR HARNESS

LH Side

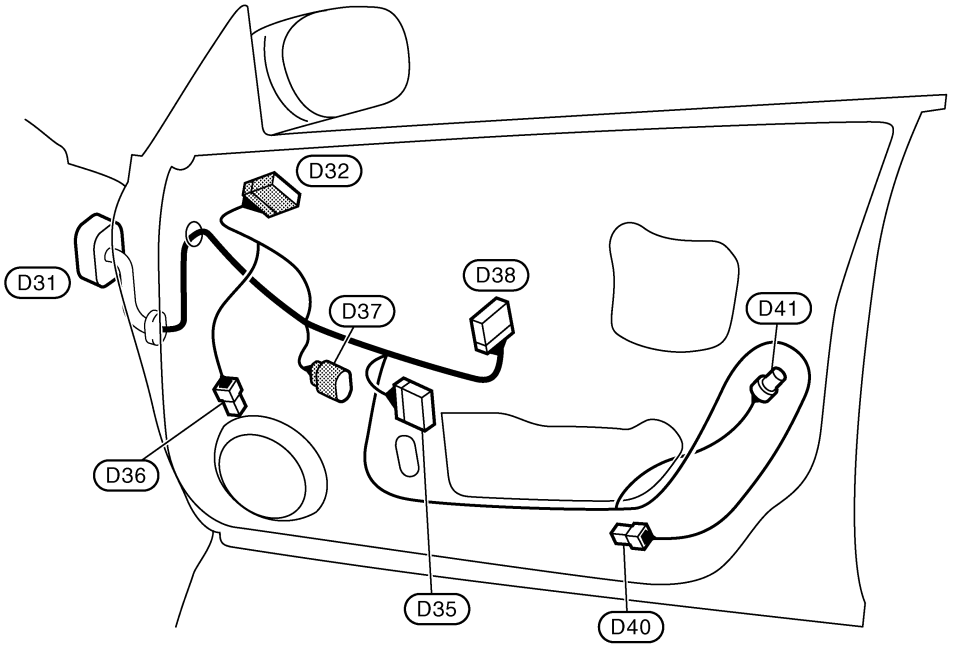
D1	SMJ	:	To M11
D2	BR/16	:	Door mirror (Driver Side)
D3	GY/8	:	Seat memory switch
D5	W/10	:	Driver side door mirror control unit (LCU03) (With memory mirror)
D6	BR/2	:	Front door speaker LH
D7	GY/6	:	Front power window regulator (Driver side)
D8	W/18	:	Driver door control unit (LCU01)
D9	W/3	:	Trunk lid and fuel lid opener switch
D10	W/2	:	Front step lamp (Driver side)
D11	SB/4	:	Front door lock actuator (Driver side)
D12	BR/3	:	Front door key cylinder switch (Driver side)



TKIA0016E

RH Side

D31	SMJ	:	To M142
D32	BR/16	:	Door mirror (Passenger side)
D35	W/10	:	Passenger side door mirror control unit (LCU04) (With memory mirror)
D36	BR/2	:	Front door speaker RH
D37	GY/6	:	Front power window regulator (Passenger side)
D38	W/16	:	Passenger door control unit
D40	W/2	:	Front step lamp (Passenger side)
D41	SB/4	:	Front door lock actuator (Passenger side)

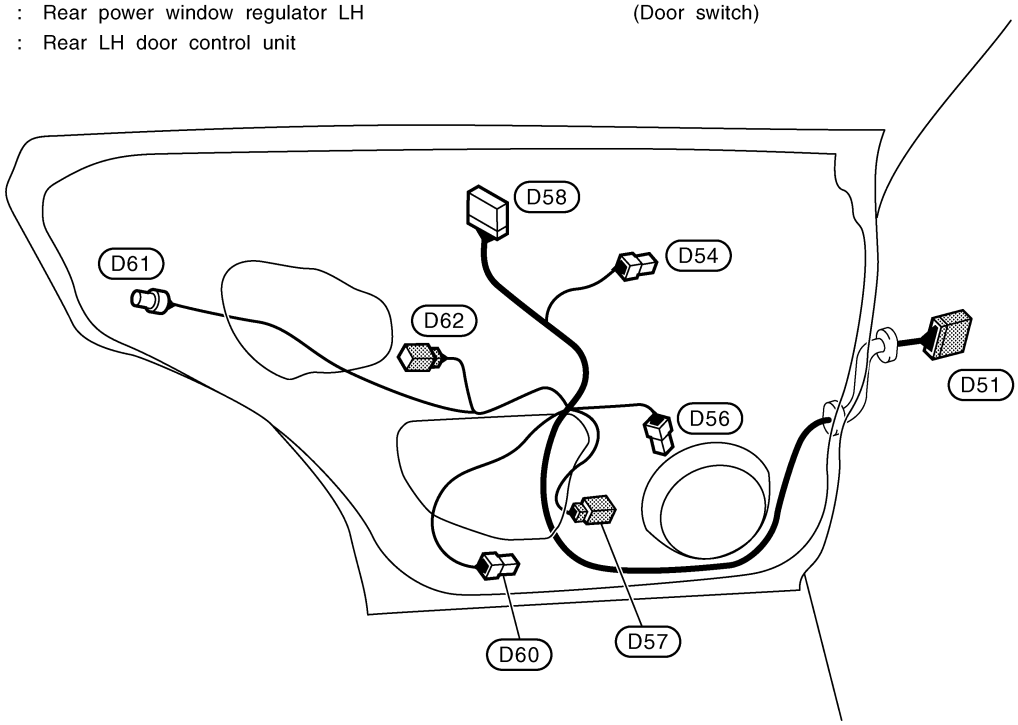


TKIA0017E

REAR DOOR HARNESS

LH Side

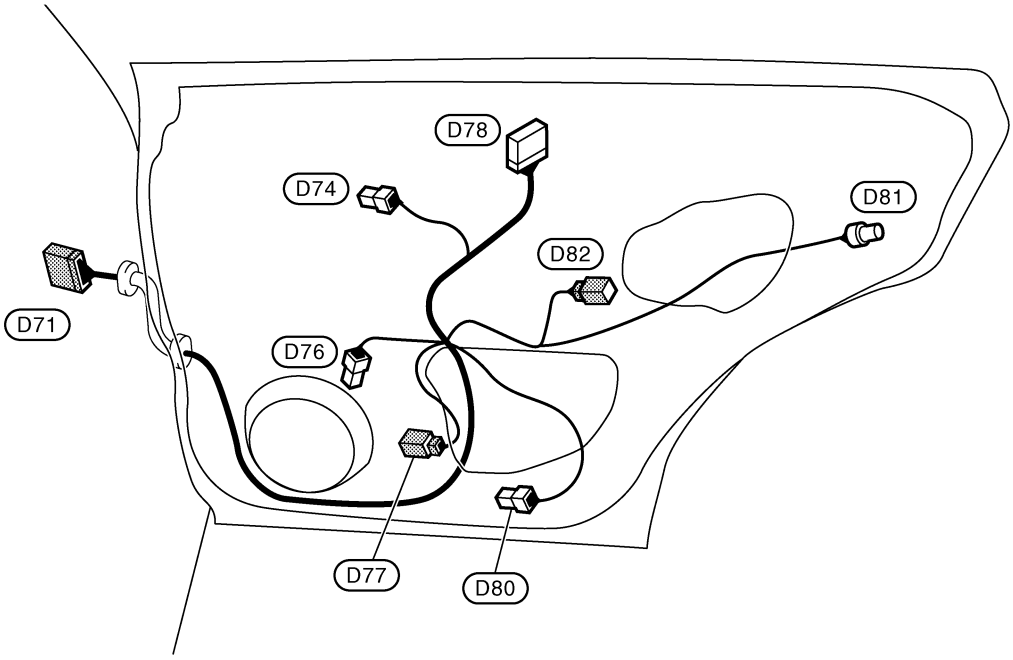
D51	W/18	:	To B21
D54	W/3	:	Rear ashtray LH illumination
D56	BR/2	:	Rear door speaker LH
D57	B/2	:	Rear power window regulator LH
D58	W/16	:	Rear LH door control unit
D60	W/2	:	Rear step lamp LH
D61	SB/4	:	Rear door lock actuator LH
D62	B/2	:	Door lock assembly rear LH (Door switch)



TKIA0018E

RH Side

D71	W/18	:	To B271
D74	W/3	:	Rear ashtray RH illumination
D76	BR/2	:	Rear door speaker RH
D77	B/2	:	Rear power window regulator RH
D78	W/16	:	Rear RH door control unit
D80	W/2	:	Rear step lamp RH
D81	SB/4	:	Rear door lock actuator RH
D82	B/2	:	Door lock assembly rear RH (Door switch)



TKIA0019E

Wiring Diagram Codes (Cell Codes)

AKS002RV

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
A/C	ATC	Air Conditioner
APPS1	EC	Accelerator Pedal Position Sensor
APPS2	EC	Accelerator Pedal Position Sensor
APPS3	EC	Accelerator Pedal Position Sensor
ASCD	ACS	Automatic Speed Control Device
AT/IND	DI	A/T Indicator
AUDIO	AV	Audio
AUT/DP	SE	Automatic Drive Positioner - IVMS
BACK/L	LT	Back-up Lamp
BRK/SW	EC	Brake Switch
BYPS/V	EC	Vacuum Cut Valve Bypass Valve
CAN	AT	CAN Communication Line
CAN	EC	CAN Communication Line
CAN	LAN	CAN System
CD/CHG	AV	CD Auto Changer
CHARGE	SC	Charging System
CHIME	DI	Warning Chime
CIGAR	WW	Cigarette Lighter
CLOCK	DI	Clock
COMM	AV	Audio Visual Communication Line
COMM	DI	Audio Visual Communication Line
COMM	LAN	IVMS - Communication Check, Power Supply & Ground
COMPAS	DI	Auto Anti - Dazzling Inside Mirror (COMPASS)
COOL/V	EC	Cooling Fan Speed Control Solenoid Valve
C/SEAT	SE	Climate Controlled Seat
D/C	AT	Direct Clutch Solenoid Valve
D/CF	AT	Direct Clutch Solenoid Valve Function
D/LOCK	BL	Power Door Lock - IVMS
DEF	GW	Rear Window Defogger
DLC	EC	Data Link Connectors
DTRL	LT	Headlamp - With Daytime Light System
E/BRE	AT	A/T 1st Engine Braking
ECM/PW	EC	ECM Power Supply (Back - up)
ECTS	EC	Engine Coolant Temperature Sensor
EPS	STC	Electronic Controlled Power Steering System
ETC1	EC	Electrical Throttle Function
ETC2	EC	Electrical Throttle Control Motor Relay
ETC3	EC	Electrical Throttle Control Motor
F/FOG	LT	Front Fog Lamp
F/PUMP	EC	Fuel Pump
FR/B	AT	Front Brake Solenoid Valve

Code	Section	Wiring Diagram Name
FR/BF	AT	Front Brake Solenoid Valve Function
FLS1	EC	Fuel Level Sensor Function (SLOSH)
FLS2	EC	Fuel Level Sensor Circuit
FLS3	EC	Fuel Level Sensor Circuit (Ground Signal)
FPCM	EC	Fuel Pump Control Module
FPSW1	AT	Pressure Switch 1 (FR/B)
FPSW3	AT	Pressure Switch 3 (I/C)
FPSW5	AT	Pressure Switch 5 (D/C)
FPSW6	AT	Pressure Switch 6 (HLR/C)
FTS	AT	A/T Fluid Temperature Sensor
FTTS	EC	Fuel tank Temperature Sensor
FUELB1	EC	Fuel Injection System Function (Bank 1)
FUELB2	EC	Fuel Injection System Function (Bank 2)
H/AIM	LT	Headlamp Aiming Control System
H/LAMP	LT	Headlamp
HLR/C	AT	High and Low Reverse Clutch Solenoid Valve
HLR/CF	AT	High and Low Reverse Clutch Solenoid Valve Function
HORN	WW	Horn
I/C	AT	Input Clutch Solenoid Valve
I/CF	AT	Input Clutch Solenoid Valve Function
I/LOCK	AT	A/T Interlock
I/MIRR	GW	Inside Mirror (Auto-anti dazzling mirror)
IATS	EC	Intake Air Temperature Sensor
ICC	ACS	Intelligent Cruise Control System
IGN/SG	EC	Ignition Signal
ILL	LT	Illumination
INF/D	DI	Information Display
INJECT	EC	Injector
INT/L	LT	Vanity Mirror and Trunk Room Lamps
IVCB1	EC	Intake Valve Timing Control Solenoid Valve Bank 1
IVCB2	EC	Intake Valve Timing Control Solenoid Valve Bank 2
IVCSB1	EC	Intake Valve Timing Control Position Sensor Bank 1
IVCSB2	EC	Intake Valve Timing Control Position Sensor Bank 2
IVTB1	EC	Intake Valve Timing Control System (Bank 1)
IVTB2	EC	Intake Valve Timing Control System (Bank 2)
KEYLES	BL	Remote Keyless Entry System - IVMS
KS	EC	Knock Sensor
LC/B	AT	Low Coast Break Solenoid Valve
LC/BF	AT	Low Coast Break Solenoid Valve Function
LOAD	EC	Electrical Load Signal
LPSV	AT	Line Pressure Solenoid Valve
MAFS	EC	Mass Air Flow Sensor
MAIN	EC	Main Power Supply and Ground Circuit
METER	DI	Speedometer, Tachometer, Temp., Oil and Fuel Gauges

Code	Section	Wiring Diagram Name
MIL	EC	Malfunction Indicator Lamp
MIRROR	GW	Door Mirror
MMSW	AT	Manual Mode Switch
NATS	BL	IVIS (Infiniti Vehicle Immobilizer System - NATS)
NAVI	AV	Navigation System
NONDTC	AT	Non-detective Items
O2H1B1	EC	Heated Oxygen Sensor 1 Heater Bank 1
O2H1B2	EC	Heated Oxygen Sensor 1 Heater Bank 2
O2H2B1	EC	Rear Heated Oxygen Sensor 2 Heater Bank 1
O2H2B2	EC	Rear Heated Oxygen Sensor 2 Heater Bank 2
O2S1B1	EC	Heated Oxygen Sensor 1 Bank 1
O2S1B2	EC	Heated Oxygen Sensor 1 Bank 2
O2S2B1	EC	Rear Heated Oxygen Sensor 2 Bank 1
O2S2B2	EC	Rear Heated Oxygen Sensor 2 Bank 2
PGC/V	EC	EVAP Canister Purge Volume Control Solenoid Valve
PHASE	EC	Camshaft Position Sensor (PHASE)
PHONE	AV	Telephone
PNP/SW	AT	Park/Neutral Position Switch
PNP/SW	EC	Park/Neutral Position Switch
POS	EC	Crankshaft Position Sensor (CKPS) (POS)
POWER	AT	Transmission Control Module Power Supply
POWER	PG	Power Supply Routing
PRE/SE	EC	EVAP Control System Pressure Sensor
PS/SEN	EC	Power Steering Pressure Sensor
RCTS	EC	Radiator Coolant Temperature Sensor
REMOTE	AV	Audio (Remote Control Switch)
ROOM/L	LT	Interior Room Lamp - IVMS
RP/SEN	EC	Refrigerant Pressure Sensor
S/SIG	EC	Start Signal
SEAT	SE	Power Seat
SEN/PW	EC	Sensor Power Supply
SHIFT	AT	A/T Shift Lock System
SROOF	BL	Sunroof
SRS	SRS	Supplemental Restraint System
START	SC	Starting System
STEP/L	LT	Step Lamp - IVMS
STOP/L	LT	Stop Lamp
STSIG	AT	Start Signal
T&FLID	BL	Trunk Lid and Fuel Lid Opener
T/CLOS	BL	Trunk Closure System
T/WARN	WT	Low Tire Pressure Warning System
TAIL/L	LT	Parking, License and Tail Lamps
TCCSIG	AT	A/T TCC S/V Function (Lock Up)
TCV	AT	Torque Converter Clutch Solenoid Valve

Code	Section	Wiring Diagram Name
TILTEL	STC	Electric Tilt, Telescopic Steering Position System
TPS1	EC	Throttle Position Sensor (Sensor 1)
TPS2	EC	Throttle Position Sensor (Sensor 2)
TPS3	EC	Throttle Position Sensor
TRNSCV	BL	Homelink Universal Transceiver
TRSA/T	AT	Turbine Revolution Sensor
TURN	LT	Turn Signal and Hazard Warning Lamps
VDC	BRC	Vehicle Dynamics Control System
VEHSEC	BL	Vehicle Security System - IVMS
VENT/V	EC	EVAP Canister Vent Control Valve
VEXH	EX	Variable Exhaust Muffler Control System
VIAS/V	EC	Variable Air Induction Control System
VOICE	DI	Voice Activated Control System
VSSAT	AT	Vehicle Speed Sensor A/T (Revolution Sensor)
W/ANT	AV	Audio Antenna
WARN	DI	Warning Lamps
WINDOW	GW	Power Window - IVMS
WIPER	WW	Wiper and Washer

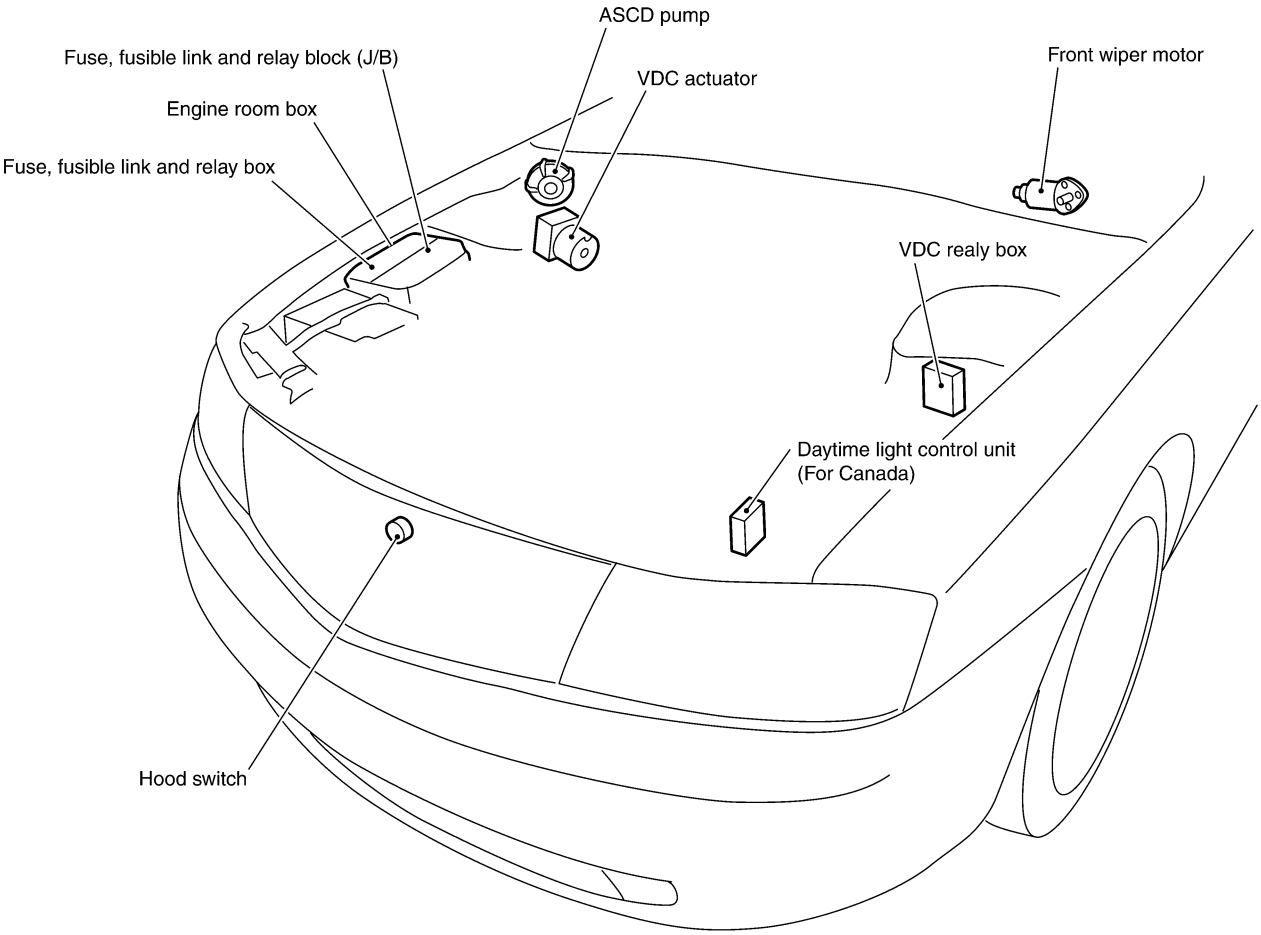
ELECTRICAL UNITS LOCATION

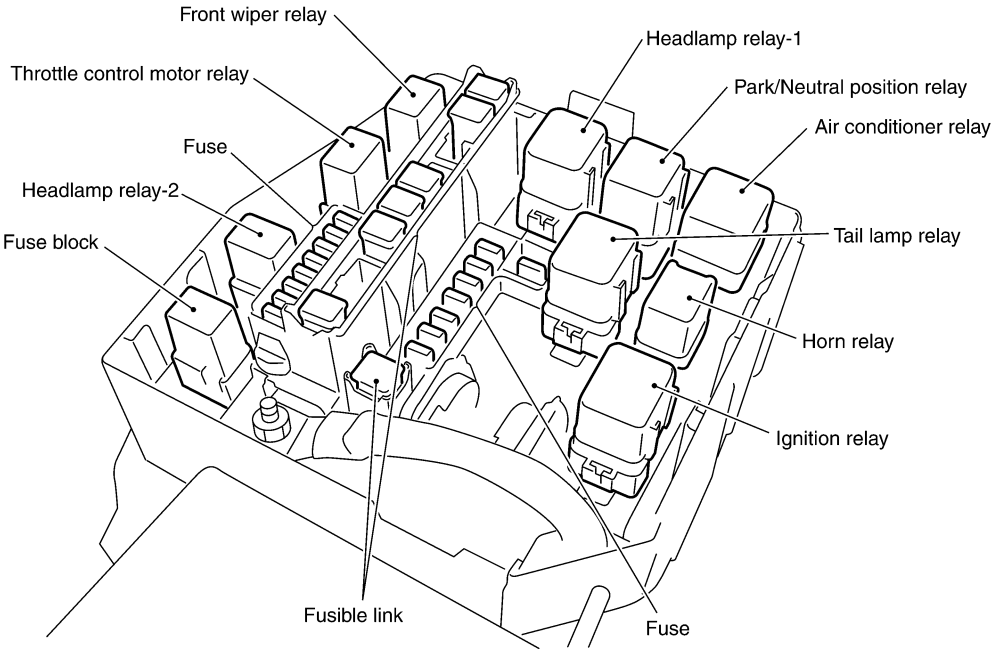
PFP:25230

Electrical Units Location

AKS002RW

ENGINE COMPARTMENT





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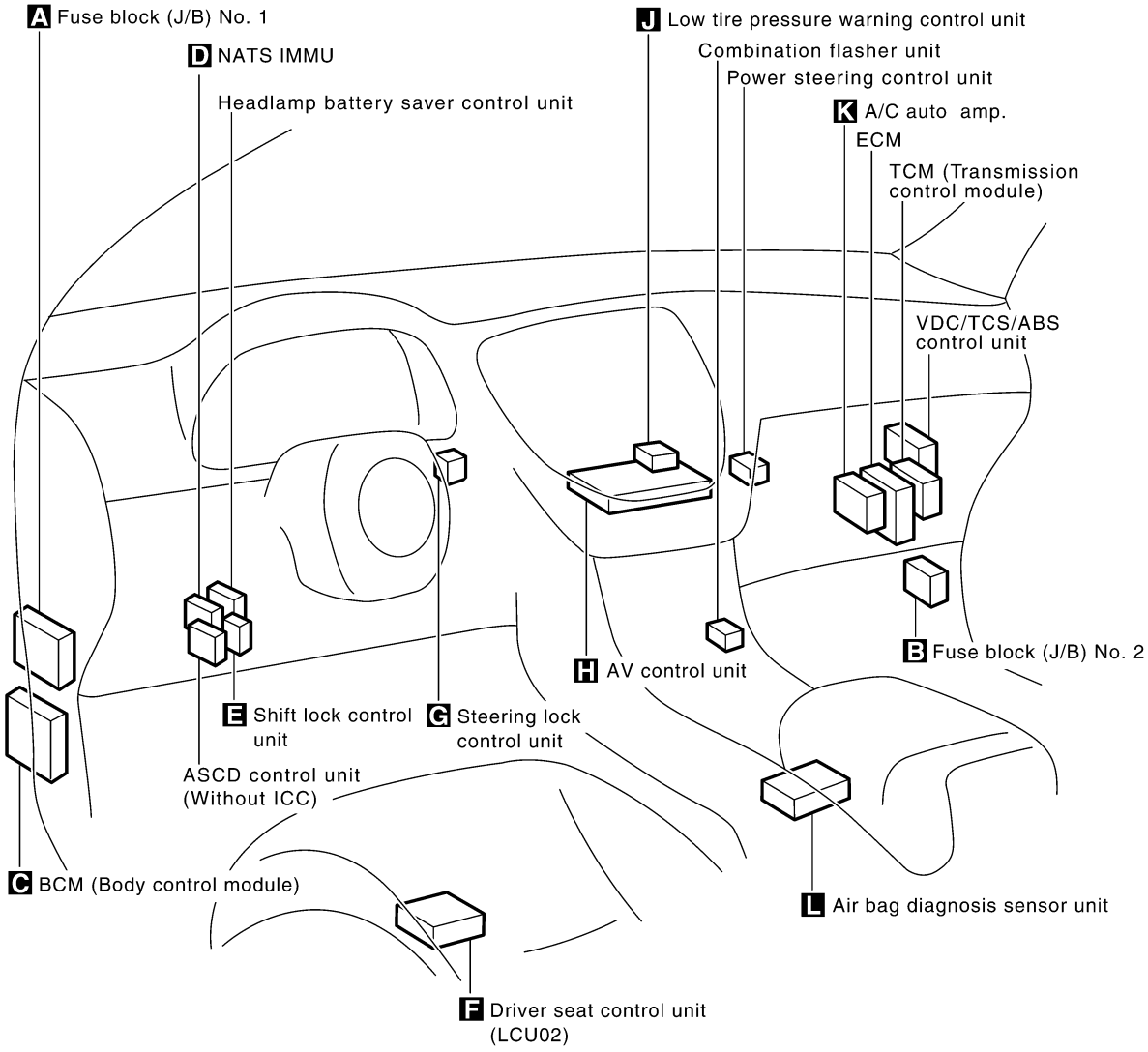
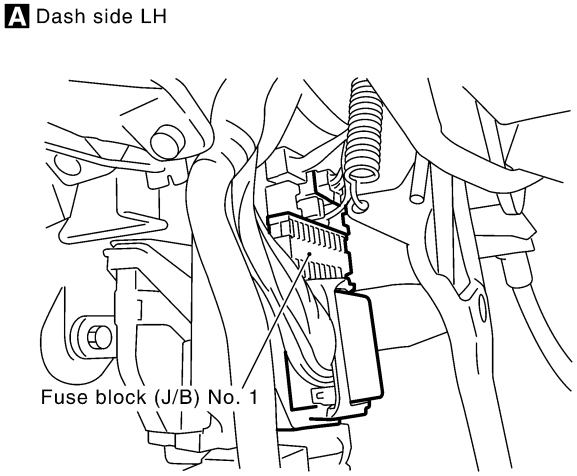
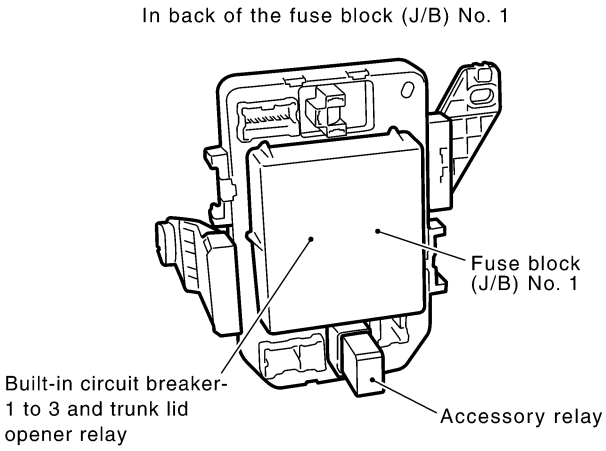
PASSENGER COMPARTMENT

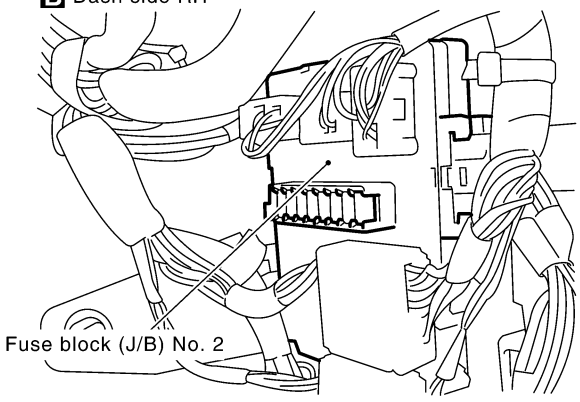




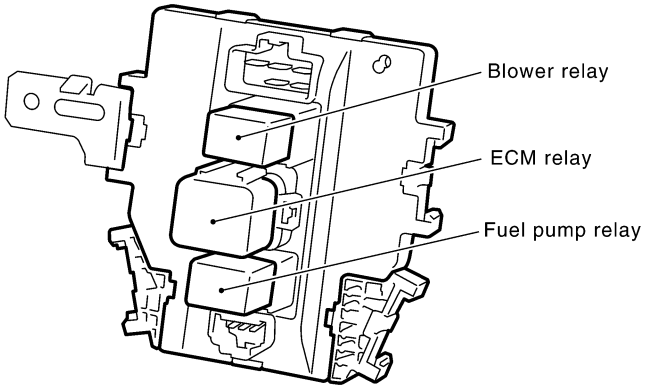


CKIA0228E

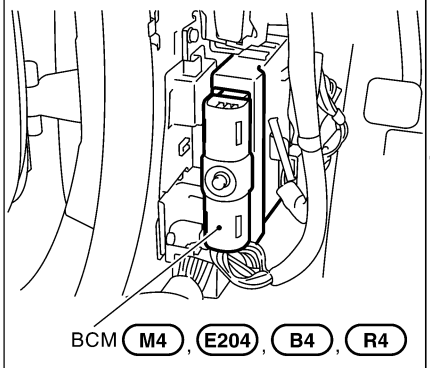
B Dash side RH



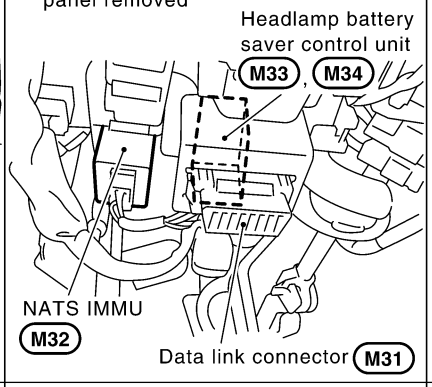
In back of the fuse block (J/B) No. 2



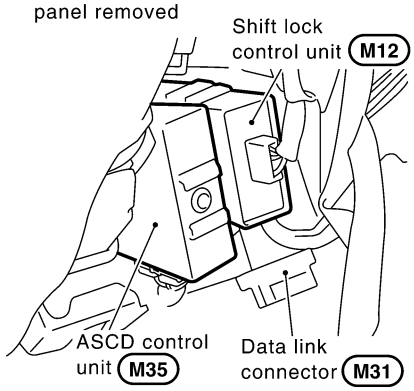
C Dash side LH



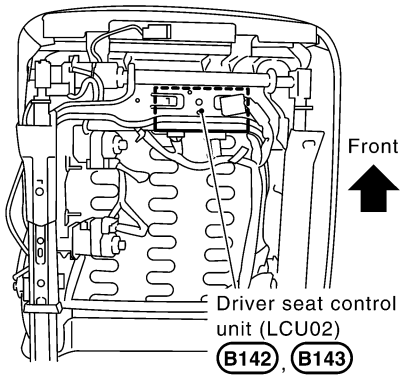
D Driver side view with lower instrument panel removed



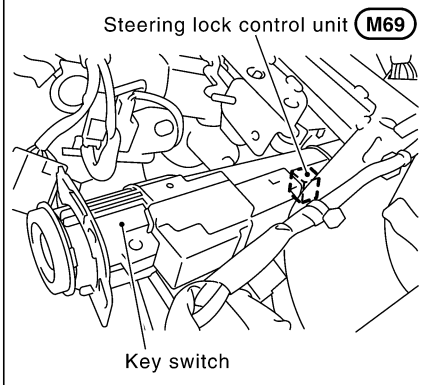
E Driver side view with lower instrument panel removed



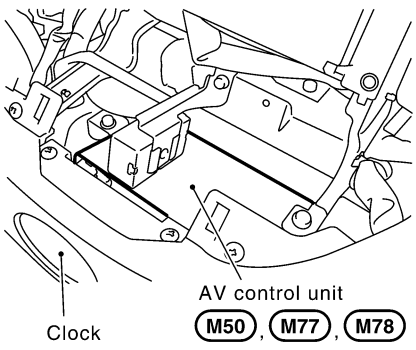
F Under driver seat



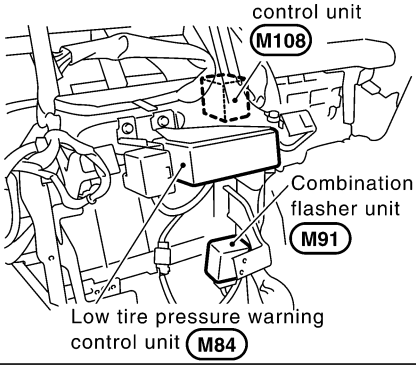
G



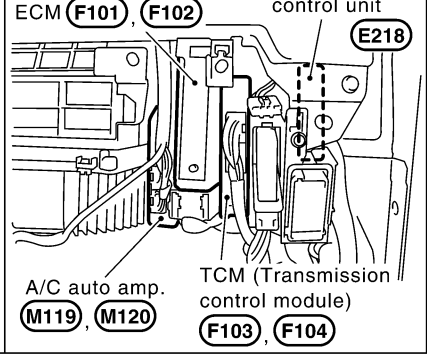
H View with instrument panel center removed



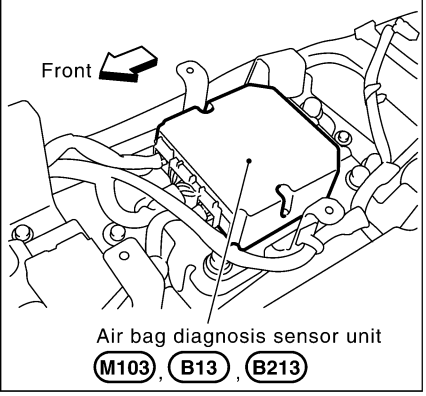
J View with instrument panel center removed



K Behind lower instrument panel on passenger side

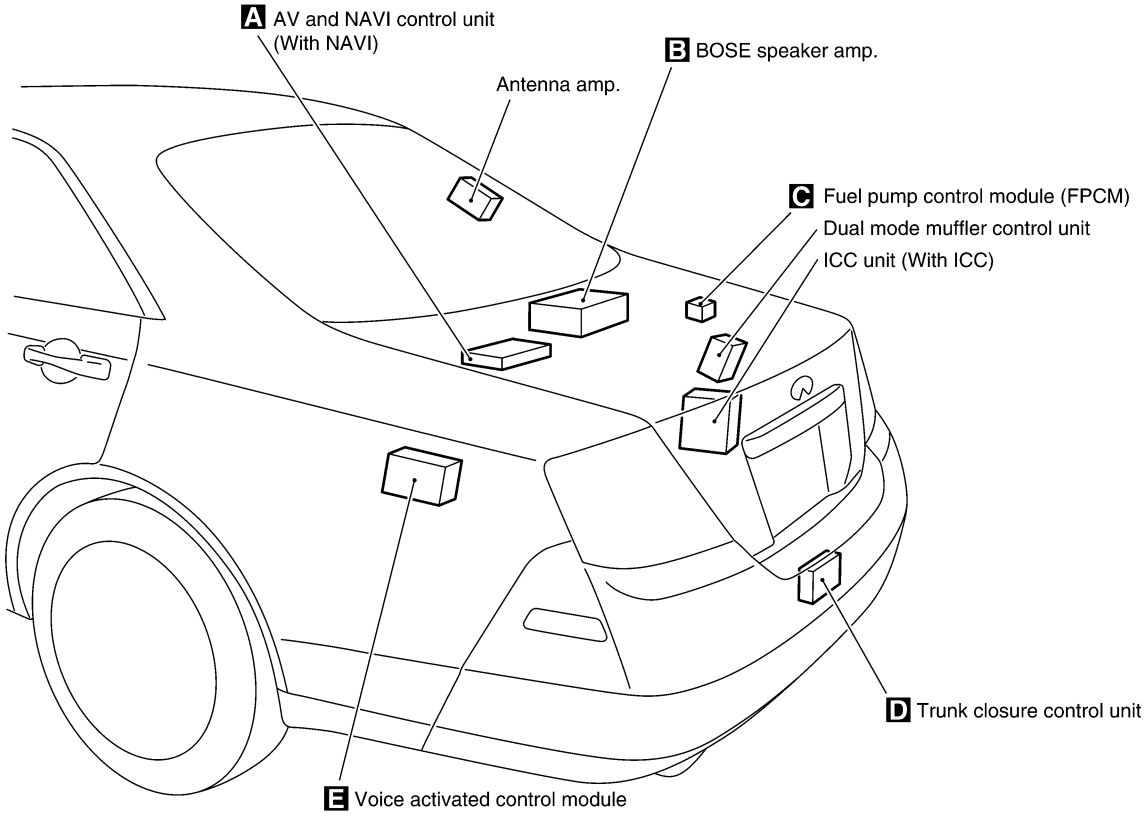


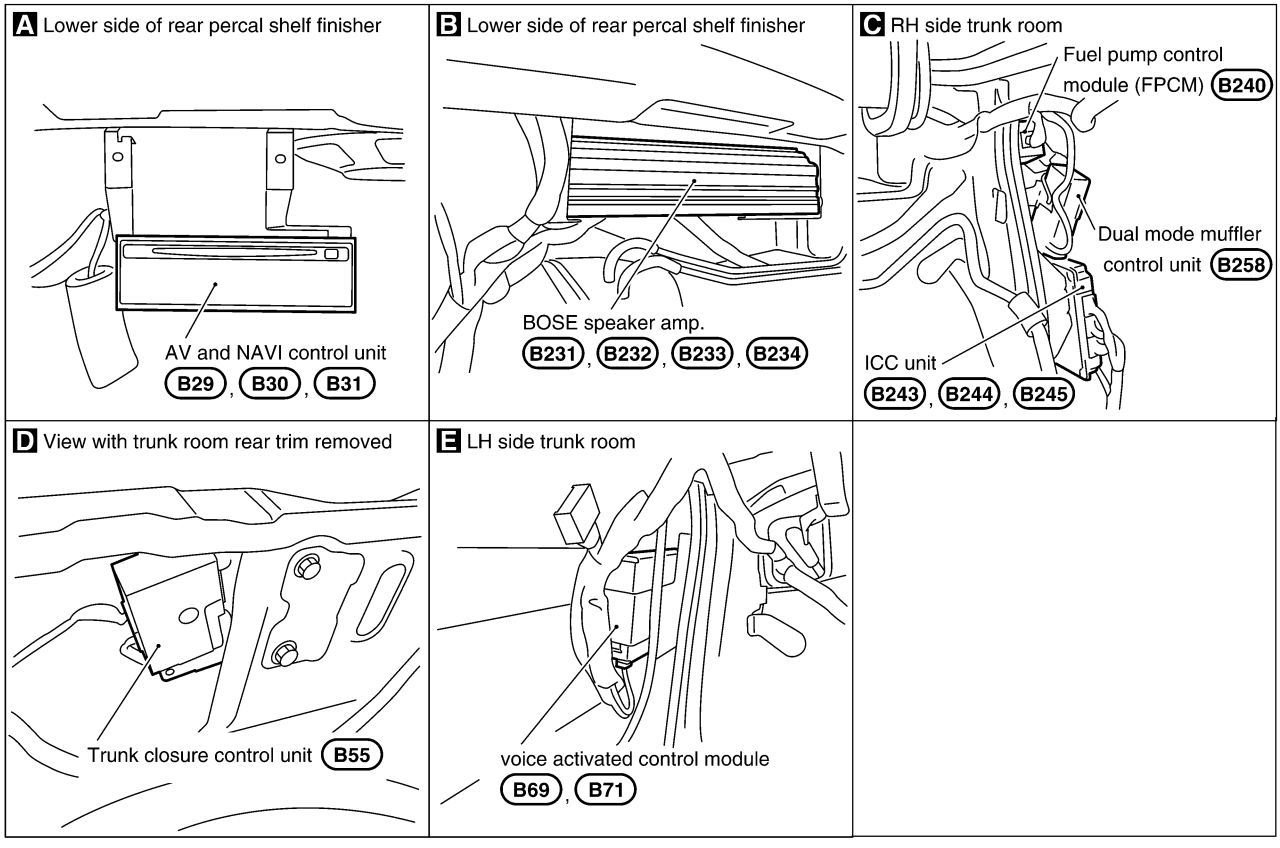
L View with console box removed



CKIA0229E

LUGGAGE COMPARTMENT



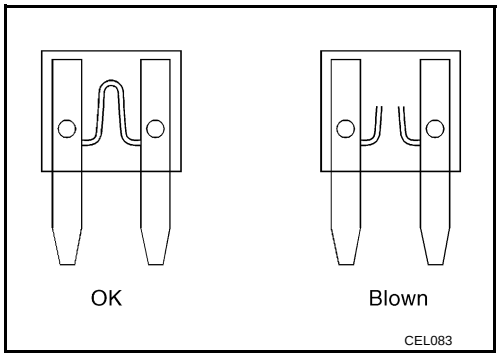


CKIA0230E

Fuse

AKS002RX

- 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.



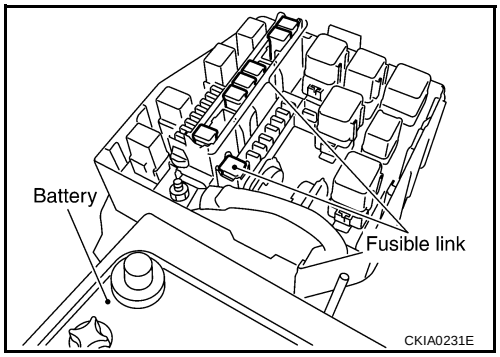
Fusible Link

AKS002RY

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:

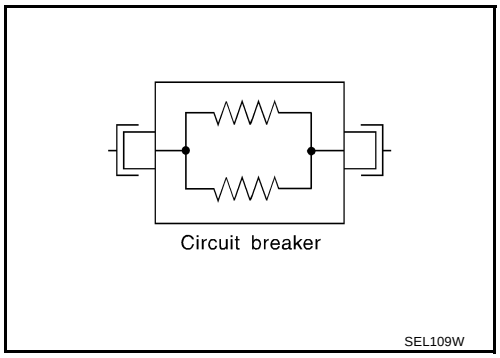
- **If fusible link should melt, it is possible that critical circuit (power supply or large current carrying circuit) is shorted. In such a case, carefully check and eliminate cause of incident.**
- **Never wrap outside of fusible link with vinyl tape. Important: Never let fusible link touch any other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



Circuit Breaker

AKS002RZ

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.



HARNESS CONNECTOR

PFP:00011

Description

AKS002S0

HARNESS CONNECTOR (TAB-LOCKING TYPE)

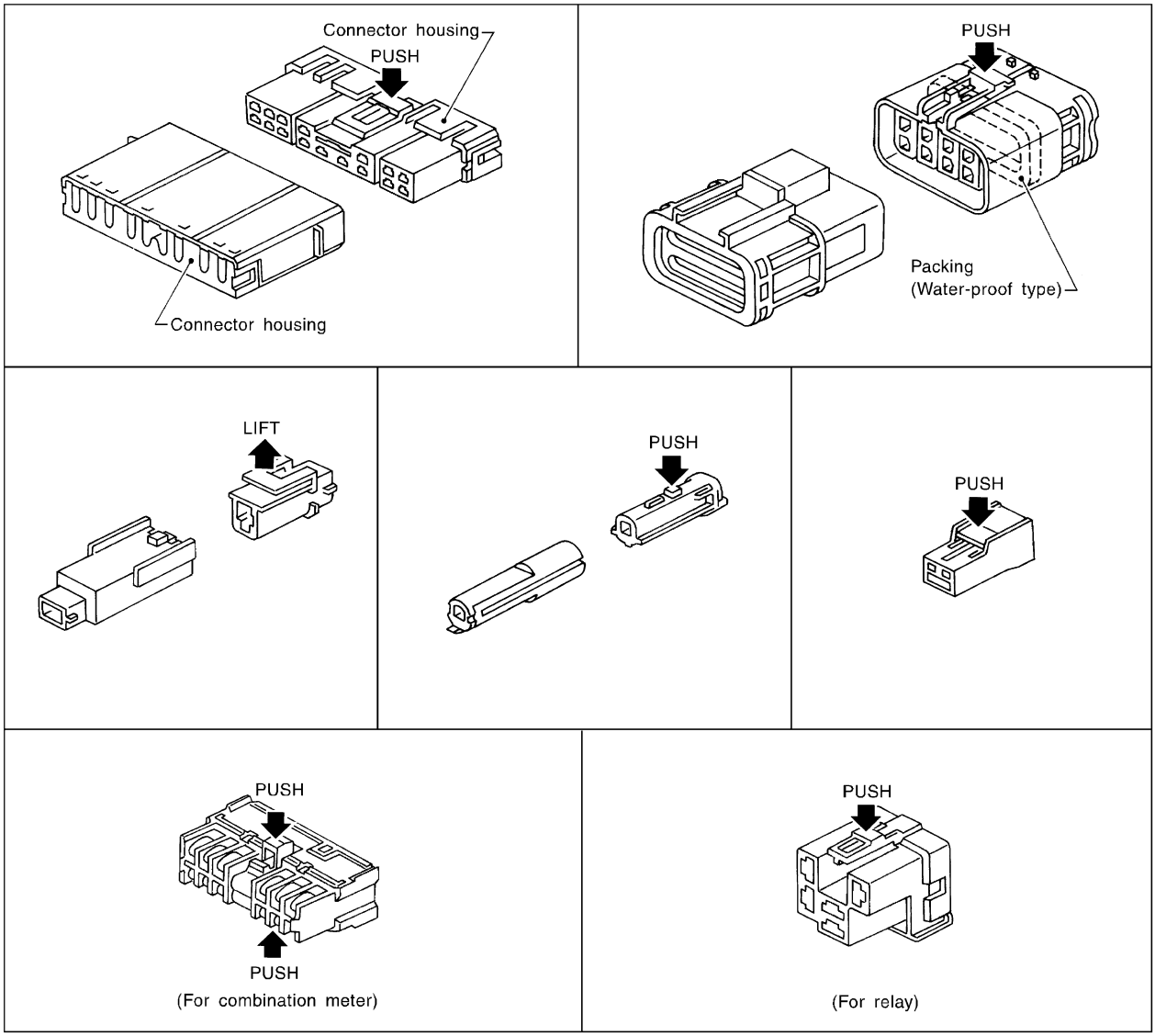
- The tab-locking type connectors help prevent accidental looseness or disconnection.
- The tab-locking type connectors are disconnected by pushing or lifting the locking tab(s). Refer to the illustration below.

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

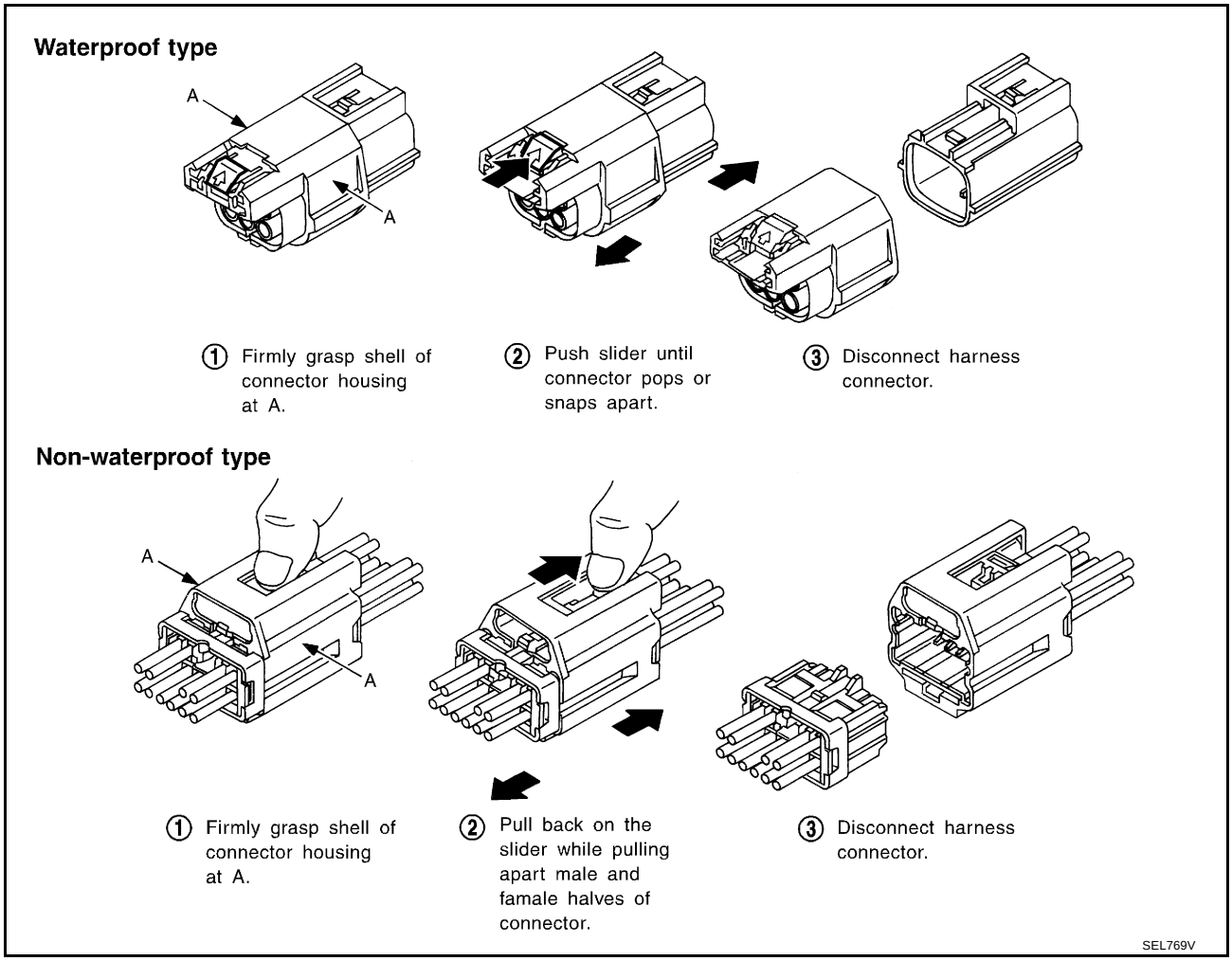
HARNESS CONNECTOR (SLIDE-LOCKING TYPE)

- 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]

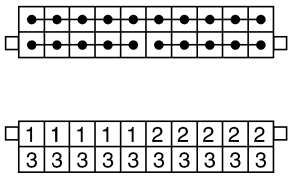


JOINT CONNECTOR (J/C)

PFP:B4341

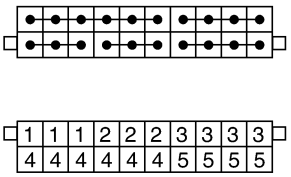
Terminal Arrangement

AKS002S1



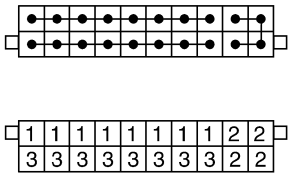
(Pink)

J/C-1 M9
J/C-5 M38
J/C-13 M81
J/C-25 E216
J/C-28 F106
J/C-29 F107



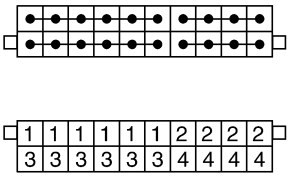
(Black)

J/C-2 M10
J/C-7 M46
J/C-9 M48
J/C-16 M125



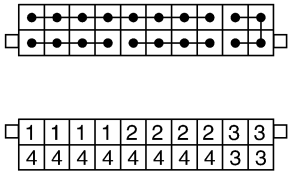
(Gary)

J/C-3 M21
J/C-8 M47
J/C-20 M129



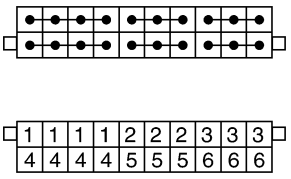
(Blue)

J/C-10 M49
J/C-14 M123



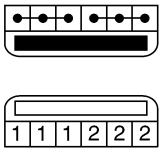
(Green)

J/C-11 M79
J/C-25 E216



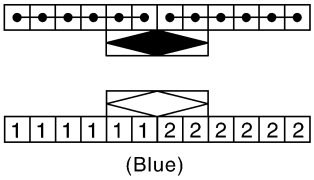
(Orange)

J/C-15 M124
J/C-19 M128



(White)

J/C-6 M45
J/C-21 M130



(Blue)

J/C-30 F108

CKIA0264E

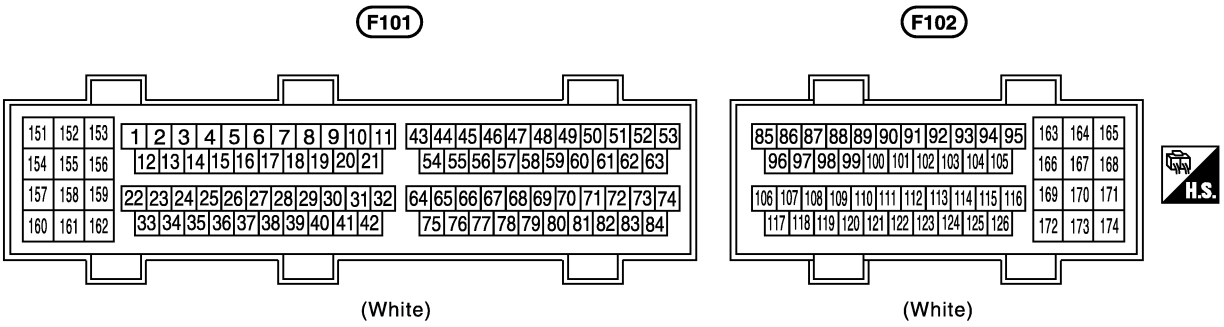
ELECTRICAL UNITS

PFP:23710

Terminal Arrangement

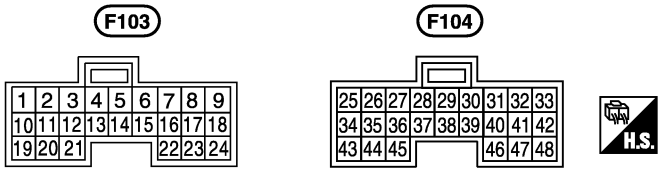
AKS002S2

ECM



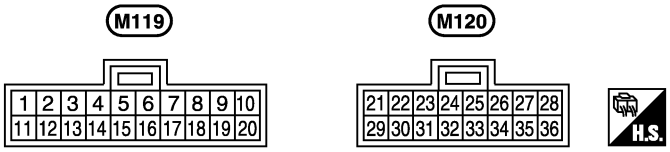
(White) (White)

TCM (TRANSMISSION CONTROL MODULE)



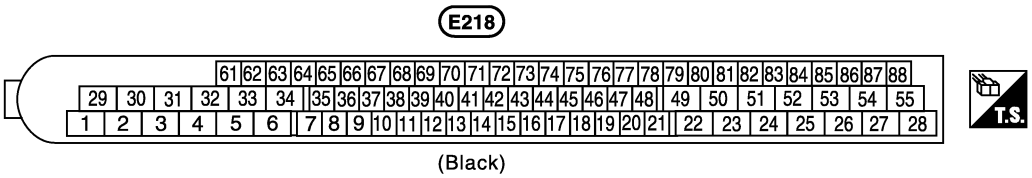
(White) (Gray)

A/C AUTO AMP.



(Gray) (Gray)

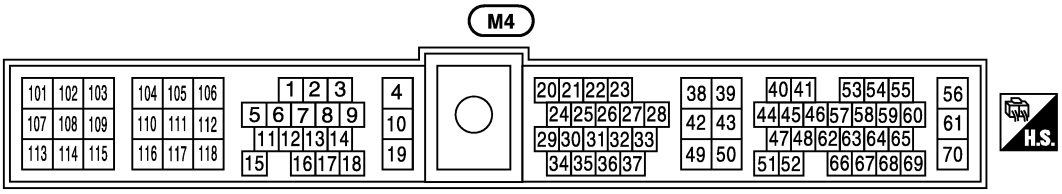
VDC/TCS/ABS CONTROL UNIT



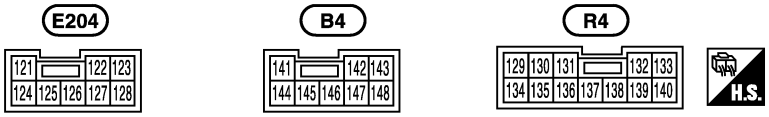
(Black)

CKIM0114E

BCM (BODY CONTROL MODULE)

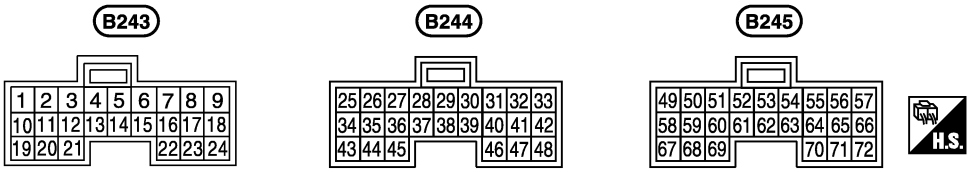


(White)



(Brown) (White) (White)

ICC UNIT



(White) (Gray) (Green)

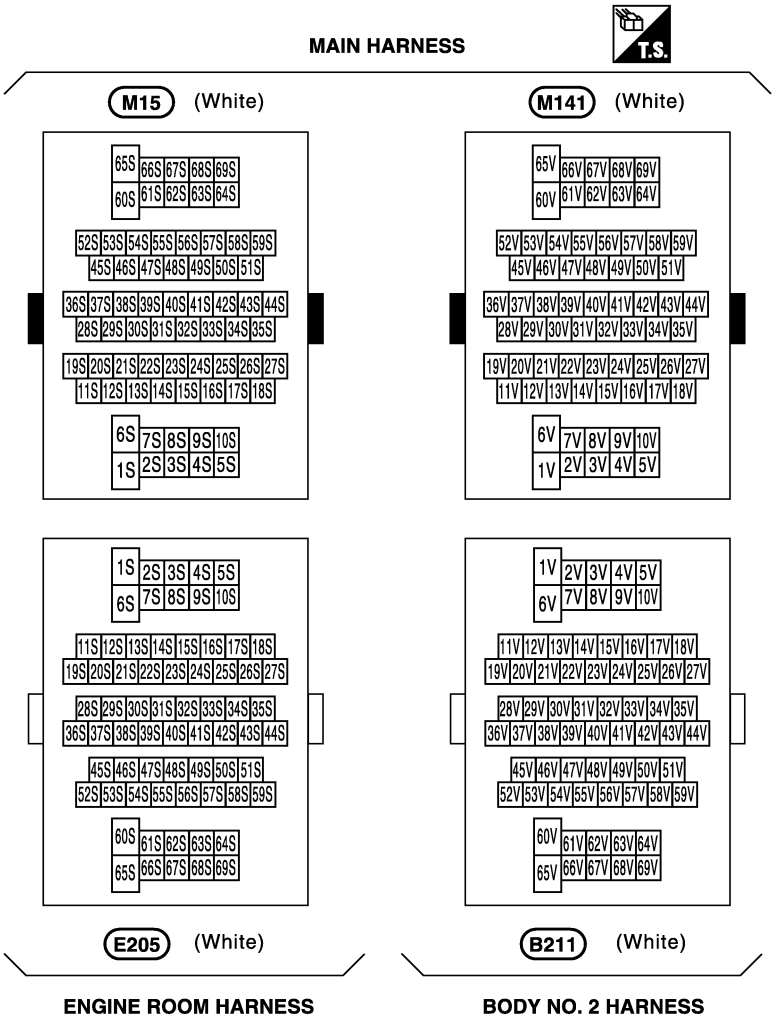
CKIM0115E

SMJ (SUPER MULTIPLE JUNCTION)

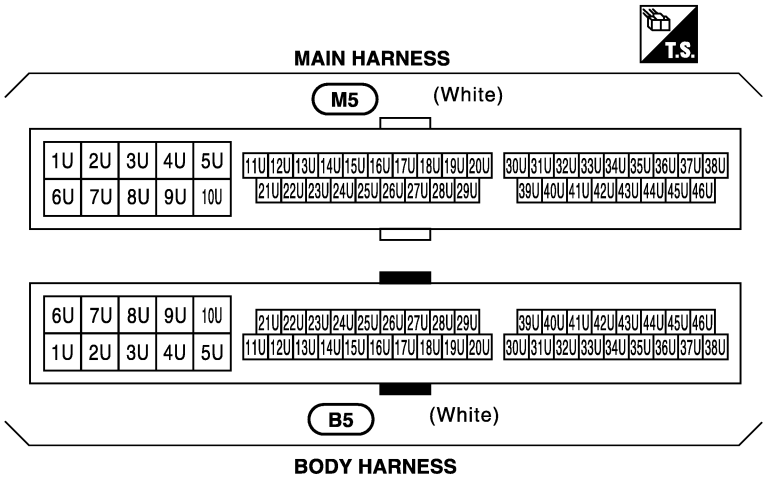
PFP:B4341

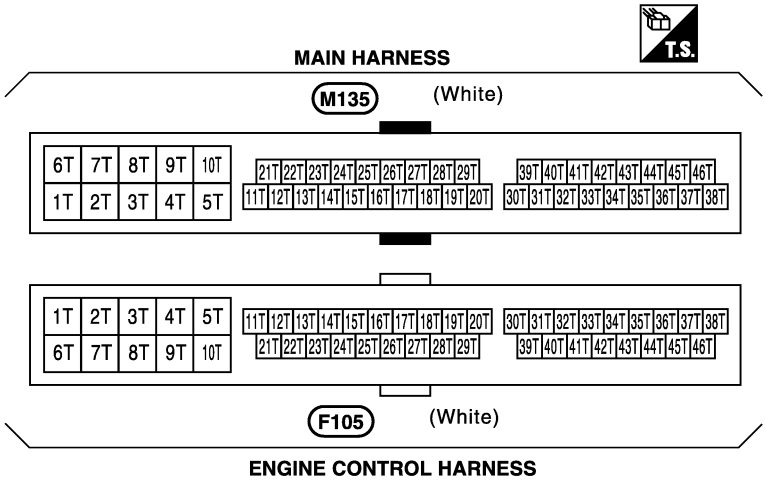
Terminal Arrangement

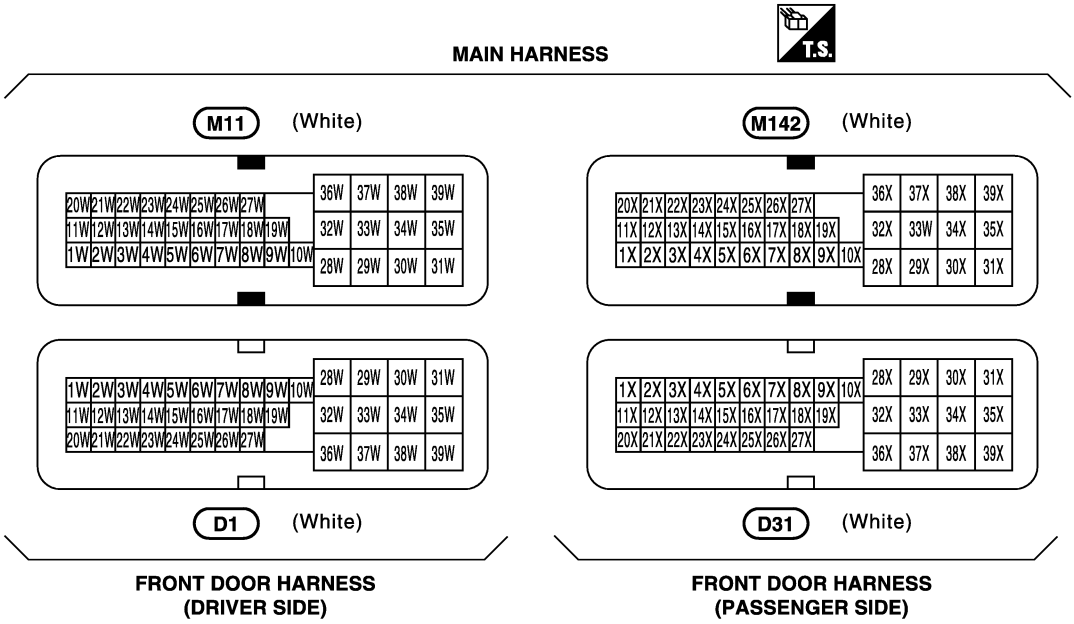
AKS002S3



CKIM0061E


MAIN HARNESS
T.S.
M5
(White)
1U 2U 3U 4U 5U
6U 7U 8U 9U 10U
11U 12U 13U 14U 15U 16U 17U 18U 19U 20U
21U 22U 23U 24U 25U 26U 27U 28U 29U
30U 31U 32U 33U 34U 35U 36U 37U 38U
39U 40U 41U 42U 43U 44U 45U 46U
B5
(White)
BODY HARNESS


MAIN HARNESS
T.S.
M135
(White)
6T 7T 8T 9T 10T
1T 2T 3T 4T 5T
21T 22T 23T 24T 25T 26T 27T 28T 29T
11T 12T 13T 14T 15T 16T 17T 18T 19T 20T
39T 40T 41T 42T 43T 44T 45T 46T
30T 31T 32T 33T 34T 35T 36T 37T 38T
F105
(White)
ENGINE CONTROL HARNESS


MAIN HARNESS
T.S.
M11
(White)
20W 21W 22W 23W 24W 25W 26W 27W
11W 12W 13W 14W 15W 16W 17W 18W 19W
1W 2W 3W 4W 5W 6W 7W 8W 9W 10W
36W 37W 38W 39W
32W 33W 34W 35W
28W 29W 30W 31W
M142
(White)
20X 21X 22X 23X 24X 25X 26X 27X
11X 12X 13X 14X 15X 16X 17X 18X 19X
1X 2X 3X 4X 5X 6X 7X 8X 9X 10X
36X 37X 38X 39X
32X 33X 34X 35X
28X 29X 30X 31X
D1
(White)
FRONT DOOR HARNESS
(DRIVER SIDE)
D31
(White)
FRONT DOOR HARNESS
(PASSENGER SIDE)

CKIM0062E

STANDARDIZED RELAY

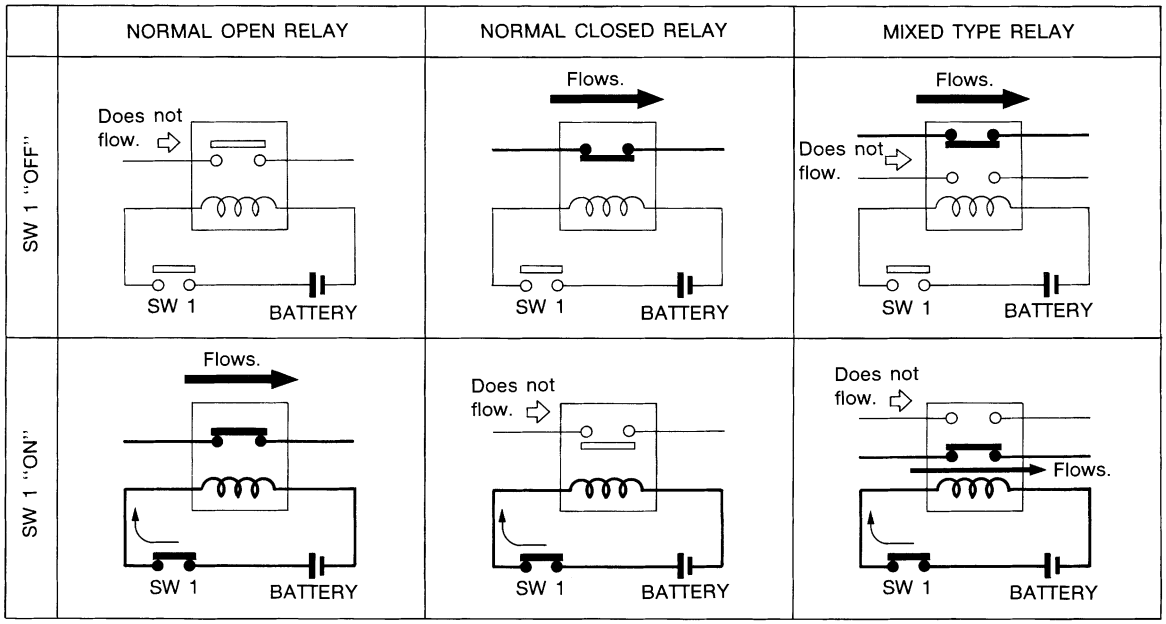
PFP:00011

Description

AKS002S4

NORMAL OPEN, NORMAL CLOSED AND MIXED TYPE RELAYS

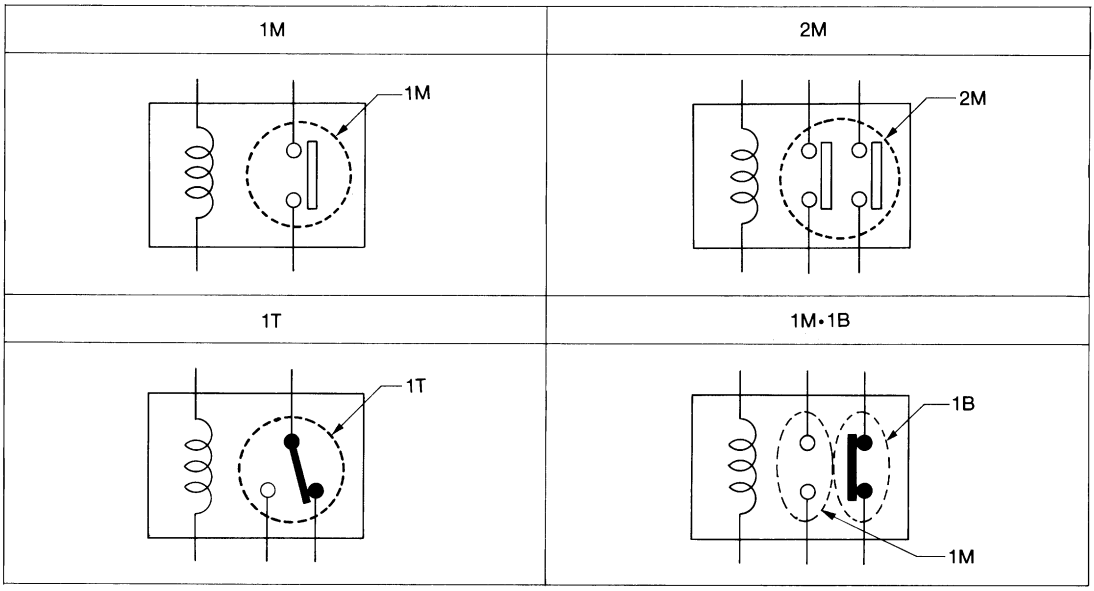
Relays can mainly be divided into three types: normal open, normal closed and mixed type relays.



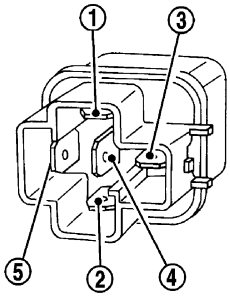
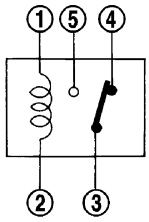
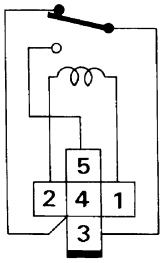
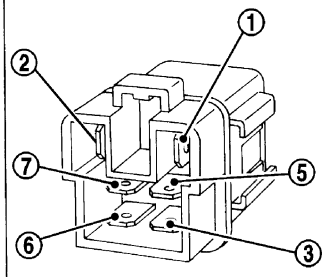
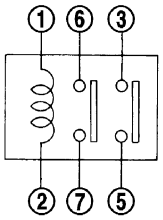
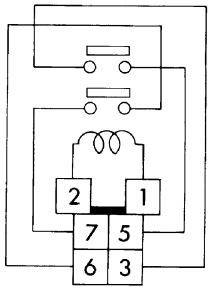
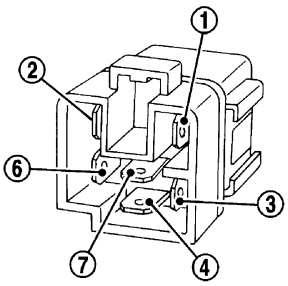
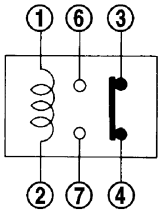
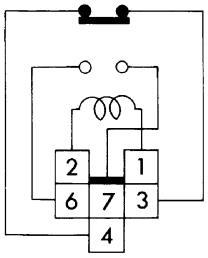
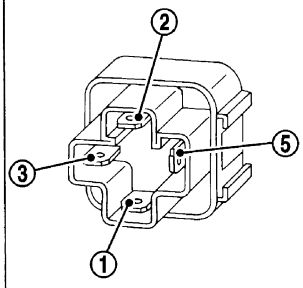
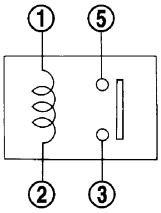
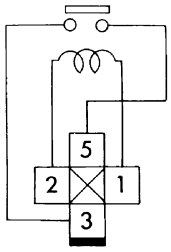
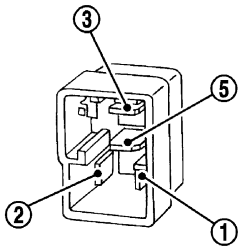
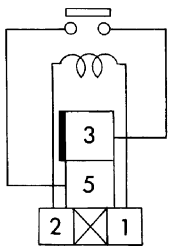
SEL881H

TYPE OF STANDARDIZED RELAYS

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



SEL882H

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.

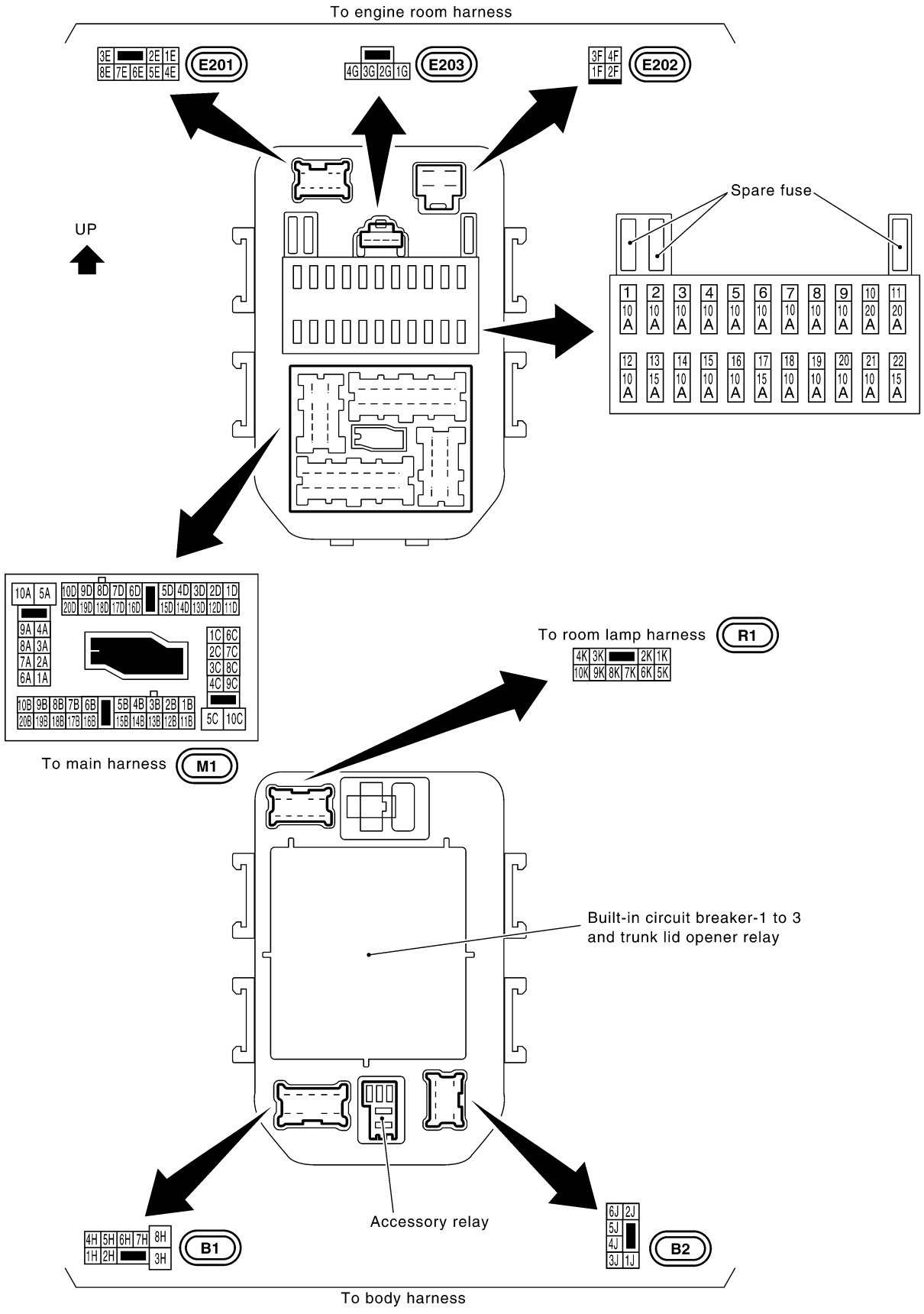
SEL188W

FUSE BLOCK - JUNCTION BOX (J/B) NO.1

PFP:24350

Terminal Arrangement

AKS002S5



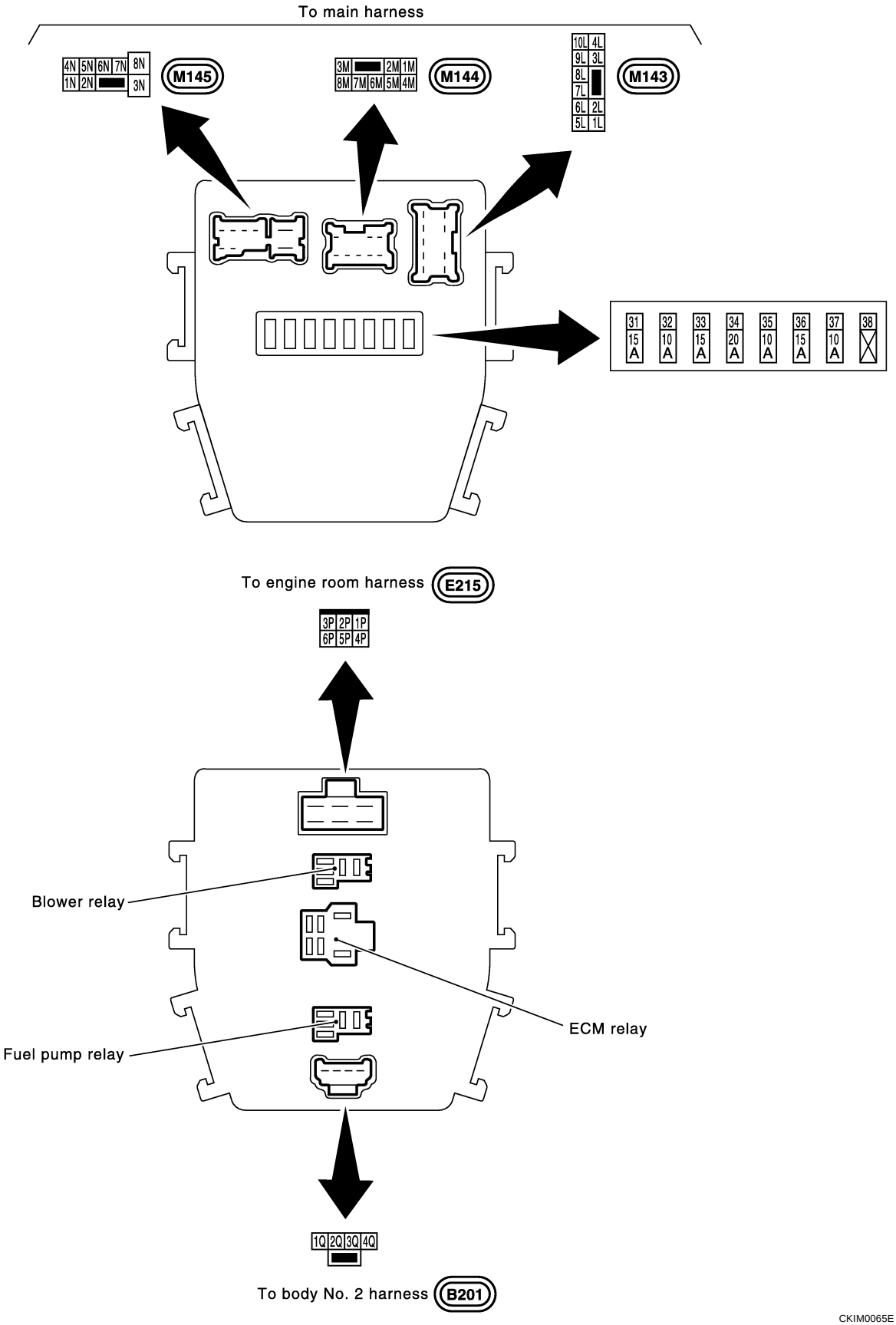
CKIA0265E

FUSE BLOCK - JUNCTION BOX (J/B) NO.2

PFP:24350

Terminal Arrangement

AKS002S6



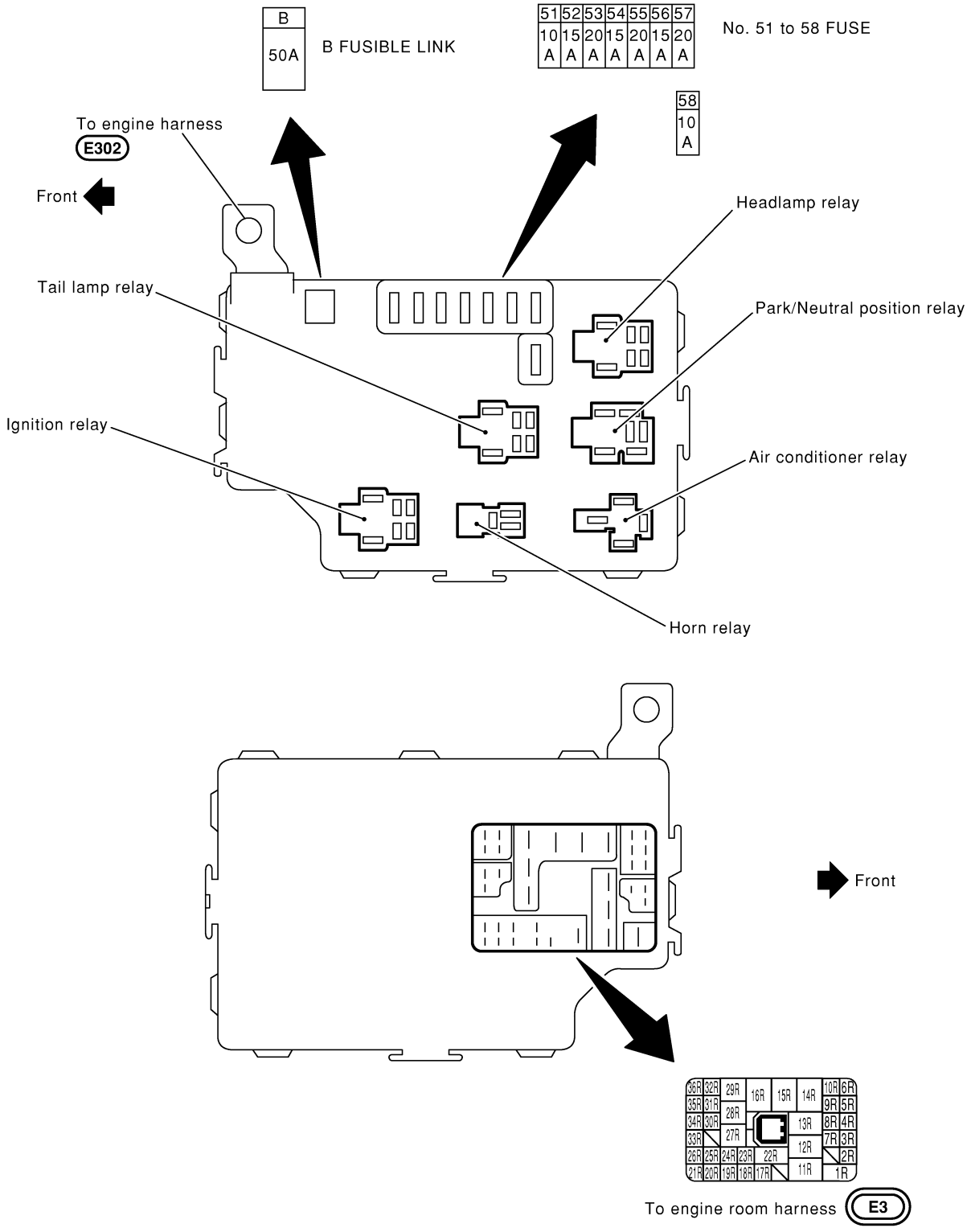
CKIM0065E

FUSE, FUSIBLE LINK AND RELAY BLOCK (J/B)

PFP:24382

Terminal Arrangement

AKS002S7



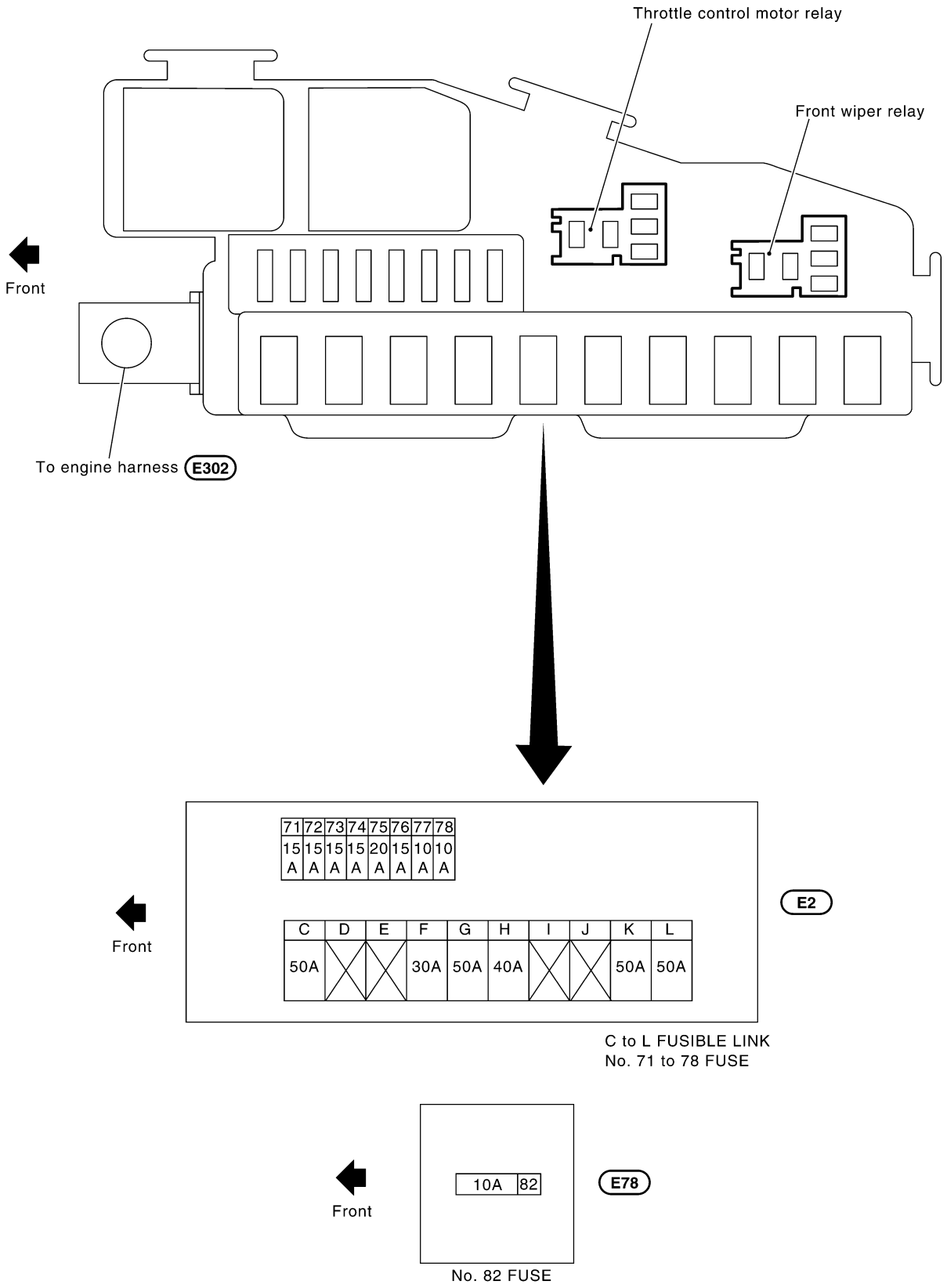
CKIM0066E

FUSE, FUSIBLE LINK AND RELAY BOX

PFP:24382

Terminal Arrangement

AKS002S8



CKIA0266E