SECTION PG

POWER SUPPLY, GROUND & CIRCUIT ELEMENTS

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PRECAUTION

PRECAUTIONS

Precaution for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TENSIONER"

INFOID:0000000014905831

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 SR 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, it is recommended that all maintenance and repair be performed by an authorized NISSAN/INFINITI dealer.**
- **Improper repair, 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 SR 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.**

PRECAUTIONS WHEN USING POWER TOOLS (AIR OR ELECTRIC) AND HAMMERS

WARNING:

- **When working near the Air Bag Diagnosis Sensor Unit or other Air Bag System sensors with the Ignition ON or engine running, DO NOT use air or electric power tools or strike near the sensor(s) with a hammer. Heavy vibration could activate the sensor(s) and deploy the air bag(s), possibly causing serious injury.**
- **When using air or electric power tools or hammers, always switch the Ignition OFF, disconnect the battery or batteries, and wait at least three minutes before performing any service.**

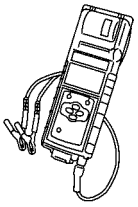
PREPARATION

PREPARATION

Special Service Tool

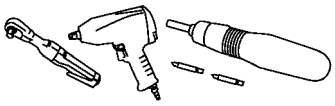
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The actual shape of the tools may differ from those illustrated here.

Tool number (TechMate No.) Tool name	Description
— (165-GR8-1200KIT-NI) Nissan battery and electronics tester  AWIIA1239ZZ	Testing batteries, starting and charging systems and charges batteries. For operating instructions, refer to diagnostic station instruction manual.
— (165-EXP-800 NI) Midtronic hand-held battery tester  JSMIA0806ZZ	Testing batteries and charging systems. For operating instructions, refer to diagnostic analyzer instruction manual.

Commercial Service Tool

INFOID:0000000014622698

Tool name	Description
Power tool  PIIB1407E	Loosening nuts, screws and bolts

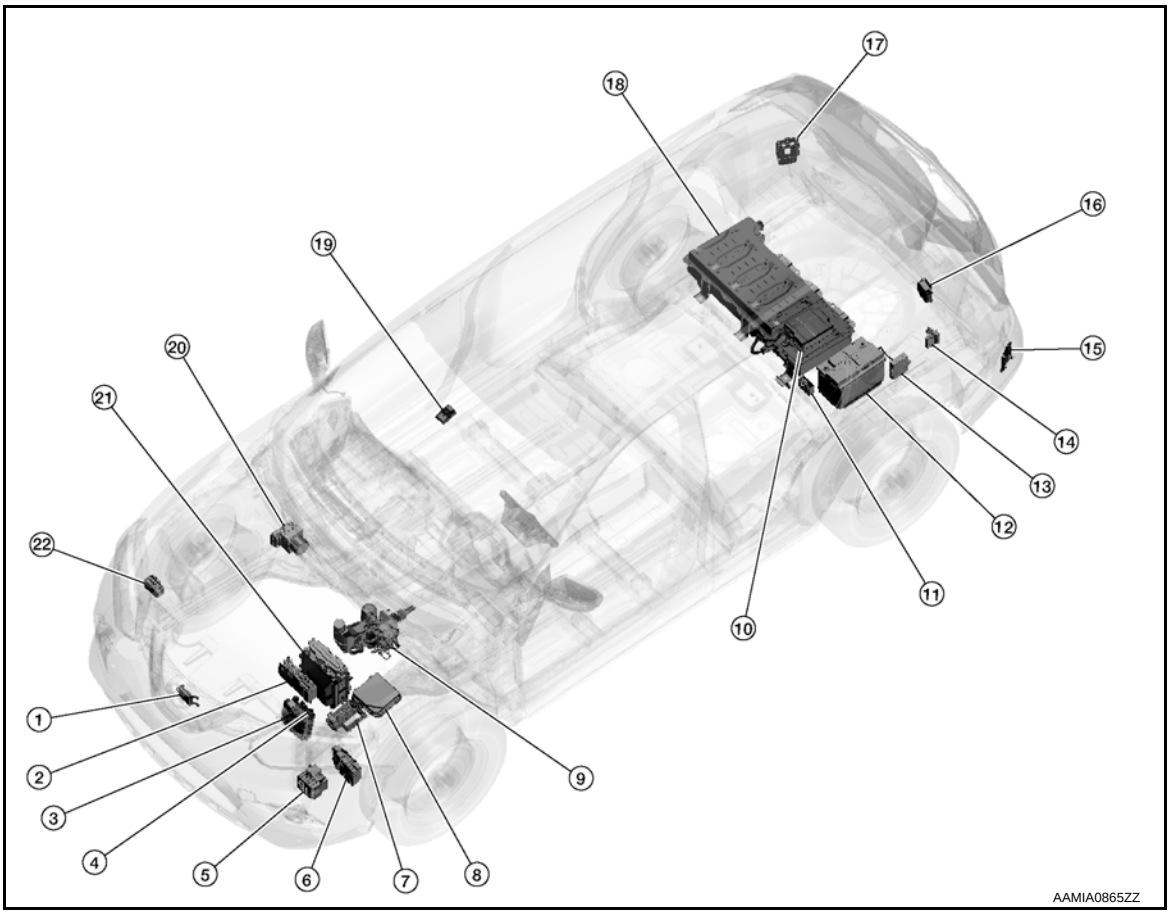
SYSTEM DESCRIPTION

ELECTRICAL UNITS LOCATION

Electrical Units Location

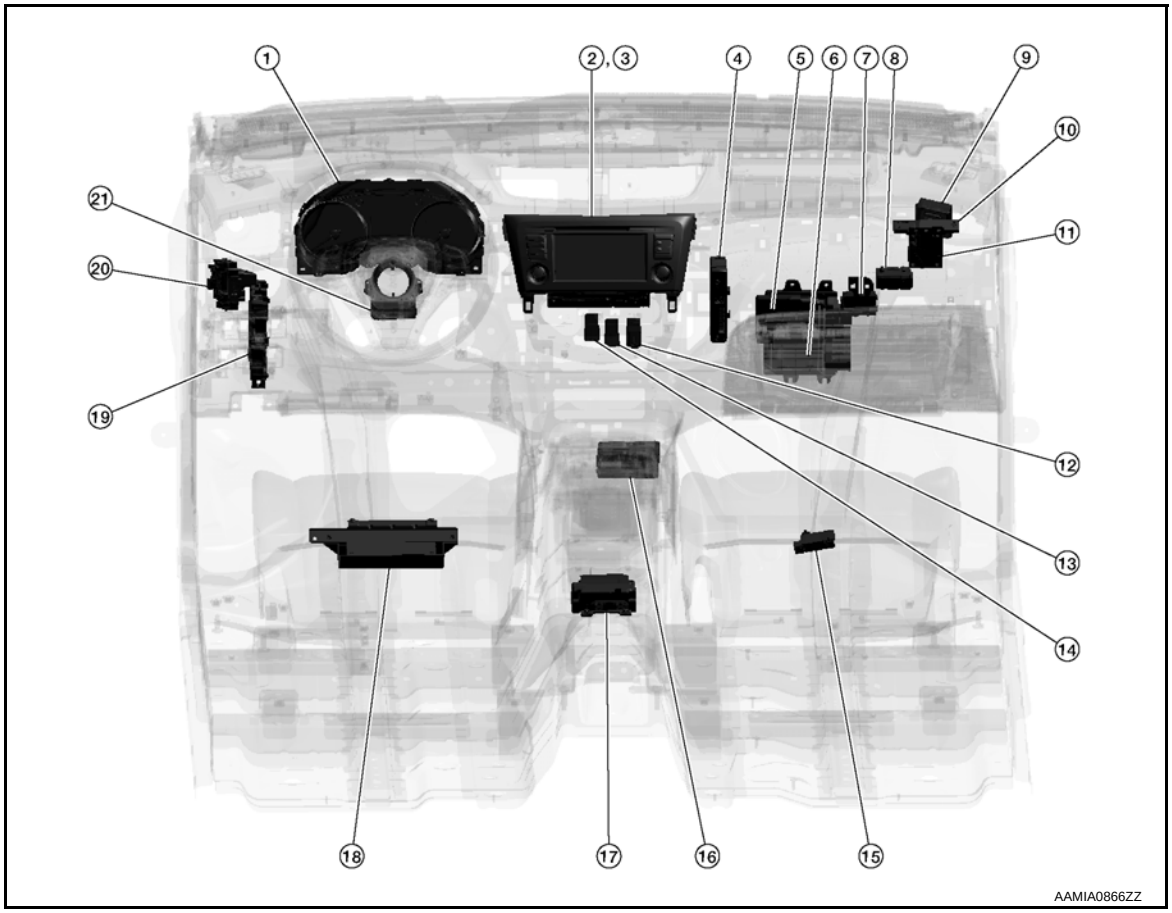
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Vehicle Overhead View



1. Distance sensor
2. High voltage fuse, fusible link and relay box
3. ECM
4. TCM
5. Approaching vehicle sound for pedestrians (VSP) control unit
6. Fuse, fusible link and relay box 2
7. Fuse, fusible link and relay box 1
8. IPDM E/R
9. Hydraulic brake booster unit
10. DC/DC converter
11. Fuse and fusible link box
12. Battery
13. Automatic back door control module
14. AWD control unit
15. Side radar LH
16. ADAS control unit
17. Side radar RH
18. Li-ion battery
19. Lane camera unit
20. ABS actuator and electric unit (control unit)
21. Traction motor inverter
22. Relay box

Passenger Compartment View



1. Combination meter
2. AV control unit (with Navigation)
3. Audio unit (without Navigation)
4. TCU (with telematics system)
5. Automatic drive positioner control unit
6. HPCM
7. CAN gateway
8. Chassis control module
9. ADAS control unit 2
10. Warning buzzer
11. Around view monitor control unit
12. Power window relay
13. Room lamp relay
14. Heated steering relay
15. Occupant classification system control unit
16. A/C auto amp.
17. Air bag diagnosis sensor unit
18. Driver seat control unit
19. BCM
20. Fuse block (J/B)
21. Steering angle sensor

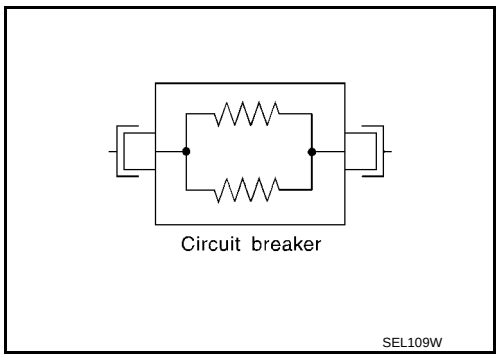
COMPONENT PARTS

Circuit Breaker (External to BCM)

INFOID:0000000014622700

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.
This circuit breaker is used for the following systems:

- Power seats
- Power moonroof
- Power windows
- Power lumbar
- Power back door



Harness Connector

INFOID:0000000014622701

HARNESS CONNECTOR (TAB-LOCKING TYPE)

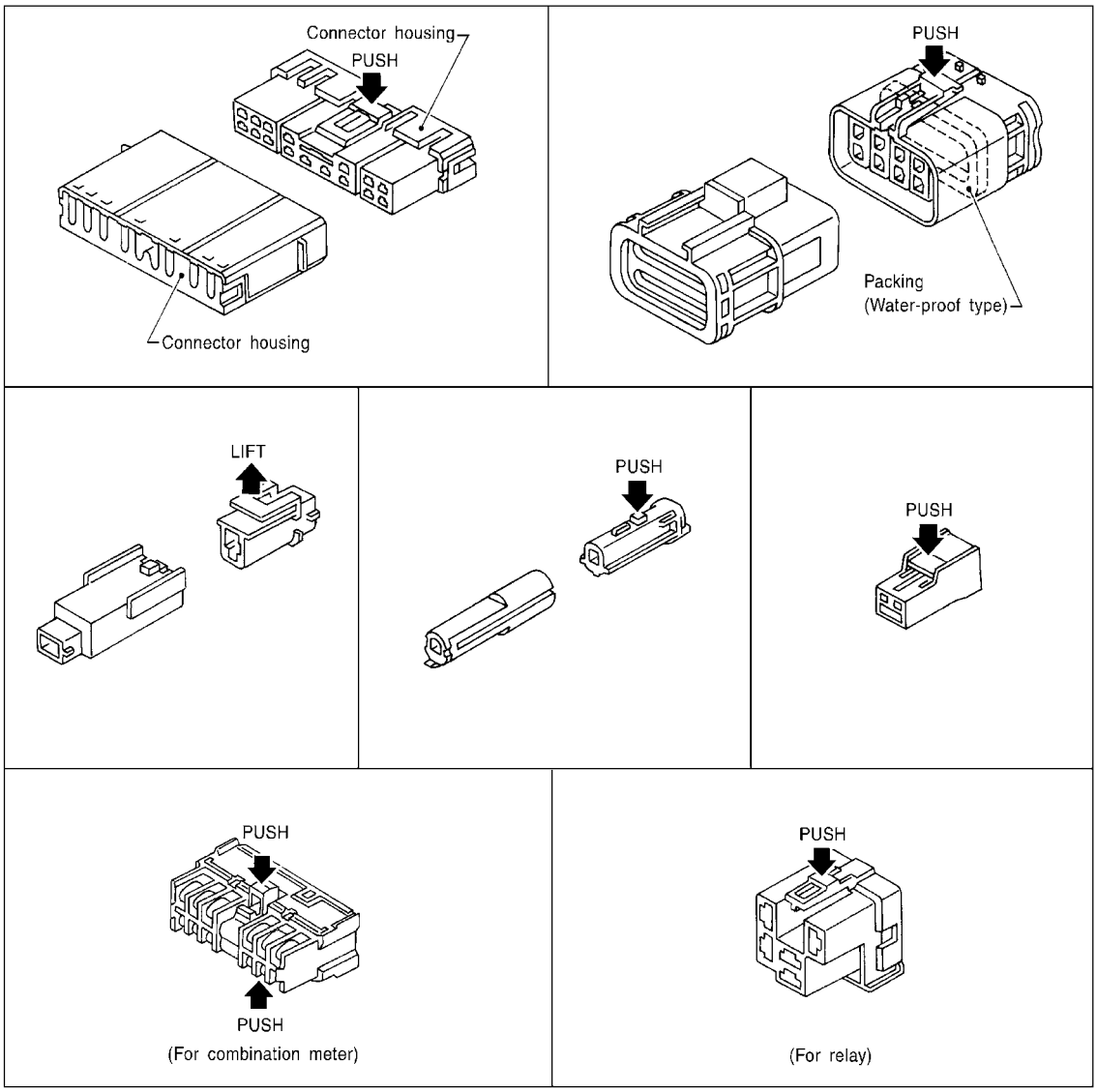
- The tab-locking type connectors help prevent accidental looseness or disconnection.
- The tab-locking type connectors are disconnected by pushing or lifting the locking tab(s). Refer to the figure below.

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

CAUTION:

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

[Example]



SEL769DA

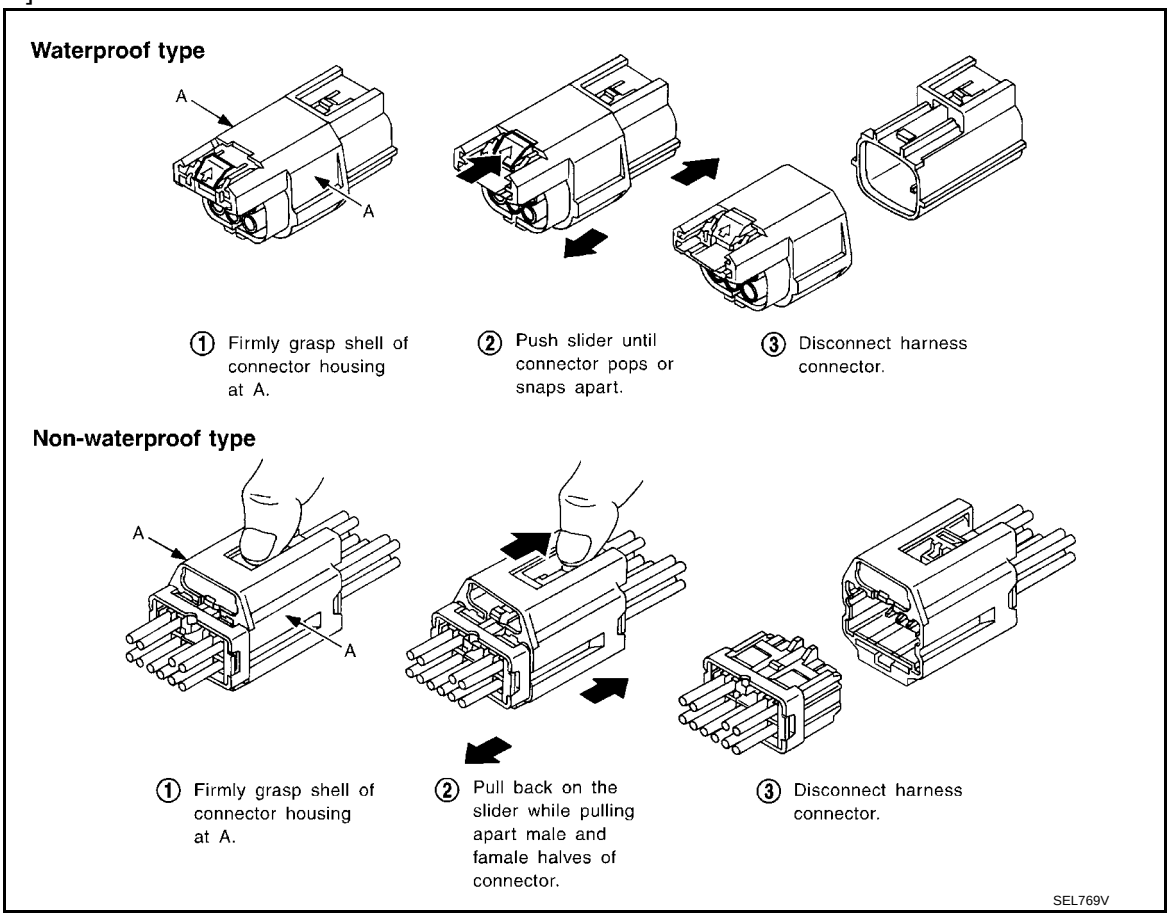
HARNESS CONNECTOR (SLIDE-LOCKING TYPE)

- 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 figure below.

CAUTION:

- **Do not pull the harness or wires when disconnecting the connector.**
- **Be careful not to damage the connector support bracket when disconnecting the connector.**

[Example]

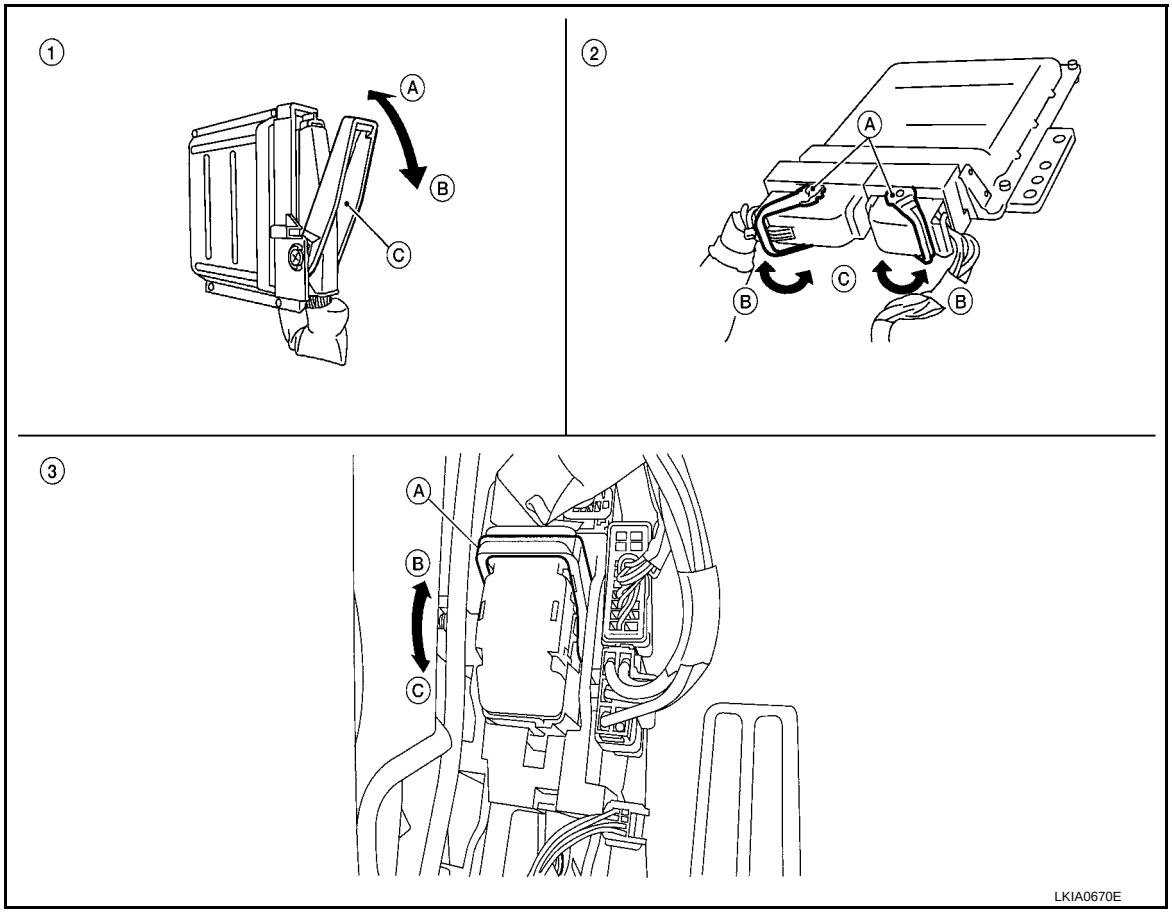


HARNESS CONNECTOR (LEVER LOCKING TYPE)

- Lever locking type harness connectors are used on certain control units and control modules such as ECM, ABS actuator and electric unit (control unit), etc.
- Lever locking type harness connectors are also used on super multiple junction (SMJ) connectors.
- Always confirm the lever is fully locked in place by moving the lever as far as it will go to ensure full connection.

CAUTION:

- **Always confirm the lever is fully released (loosened) before attempting to disconnect or connect these connectors to avoid damage to the connector housing or terminals.**



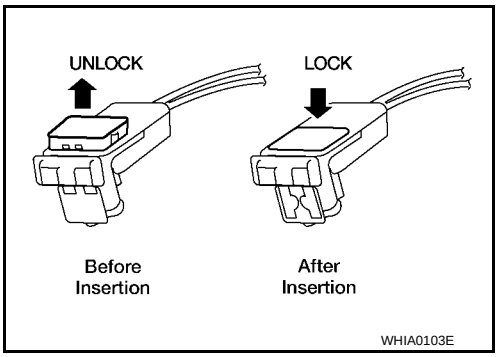
1. Control unit with single lever
   A. Fasten
   B. Loosen
   C. Lever
2. Control unit with dual lever
   A. Lever
   B. Fasten
   C. Loosen
3. SMJ connector
   A. Lever
   B. Fasten
   C. Loosen

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 components.
- Always push down to lock black locking tab after installing connector to SRS components. 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.**

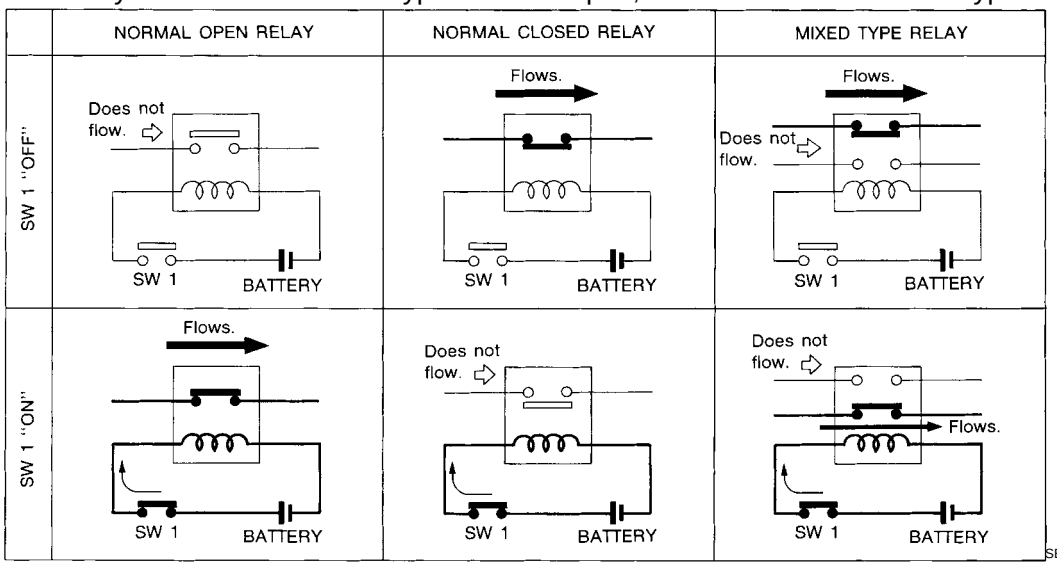


Standardized Relay

INFOID:0000000014622702

NORMAL OPEN, NORMAL CLOSED AND MIXED TYPE RELAYS

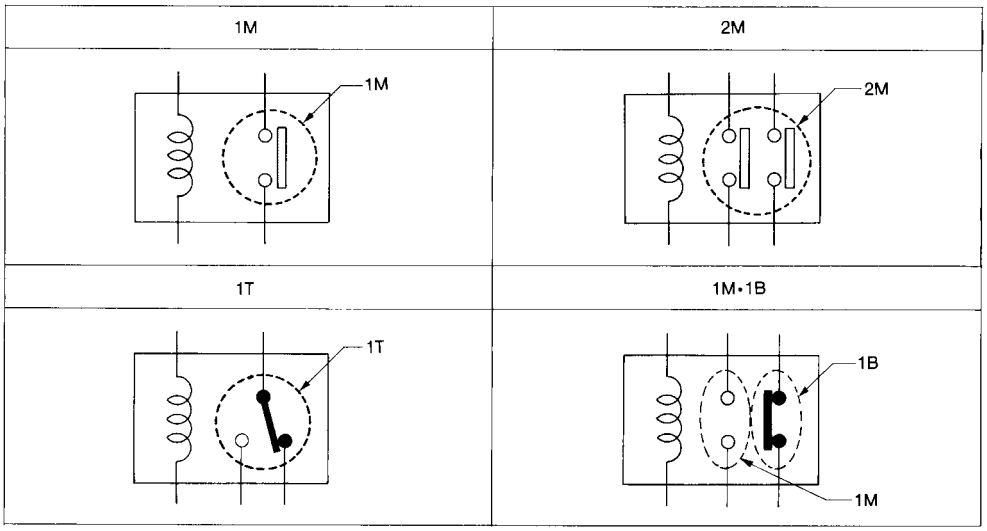
Relays can mainly be divided into three types: normal open, normal closed and mixed type relays.



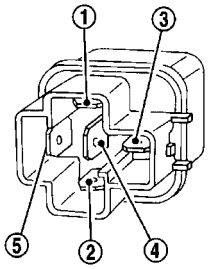
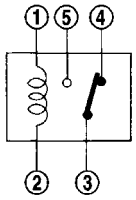
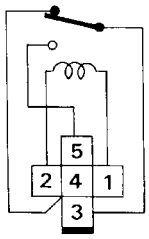
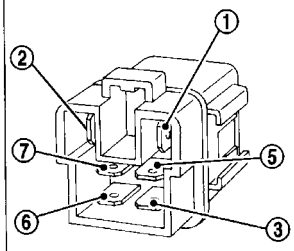
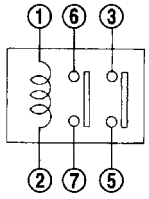
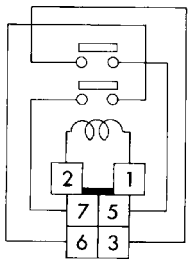
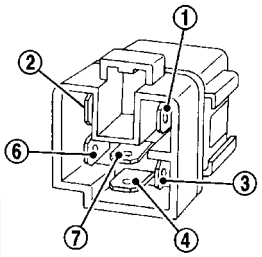
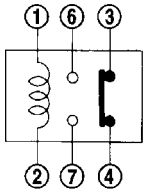
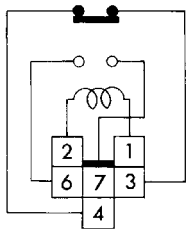
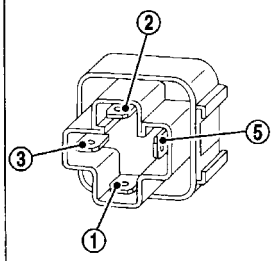
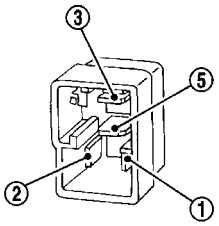
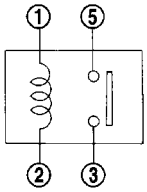
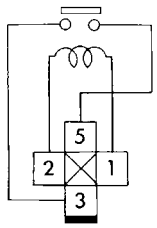
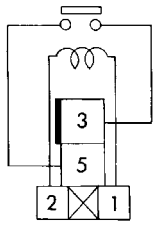
SEL881H

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.

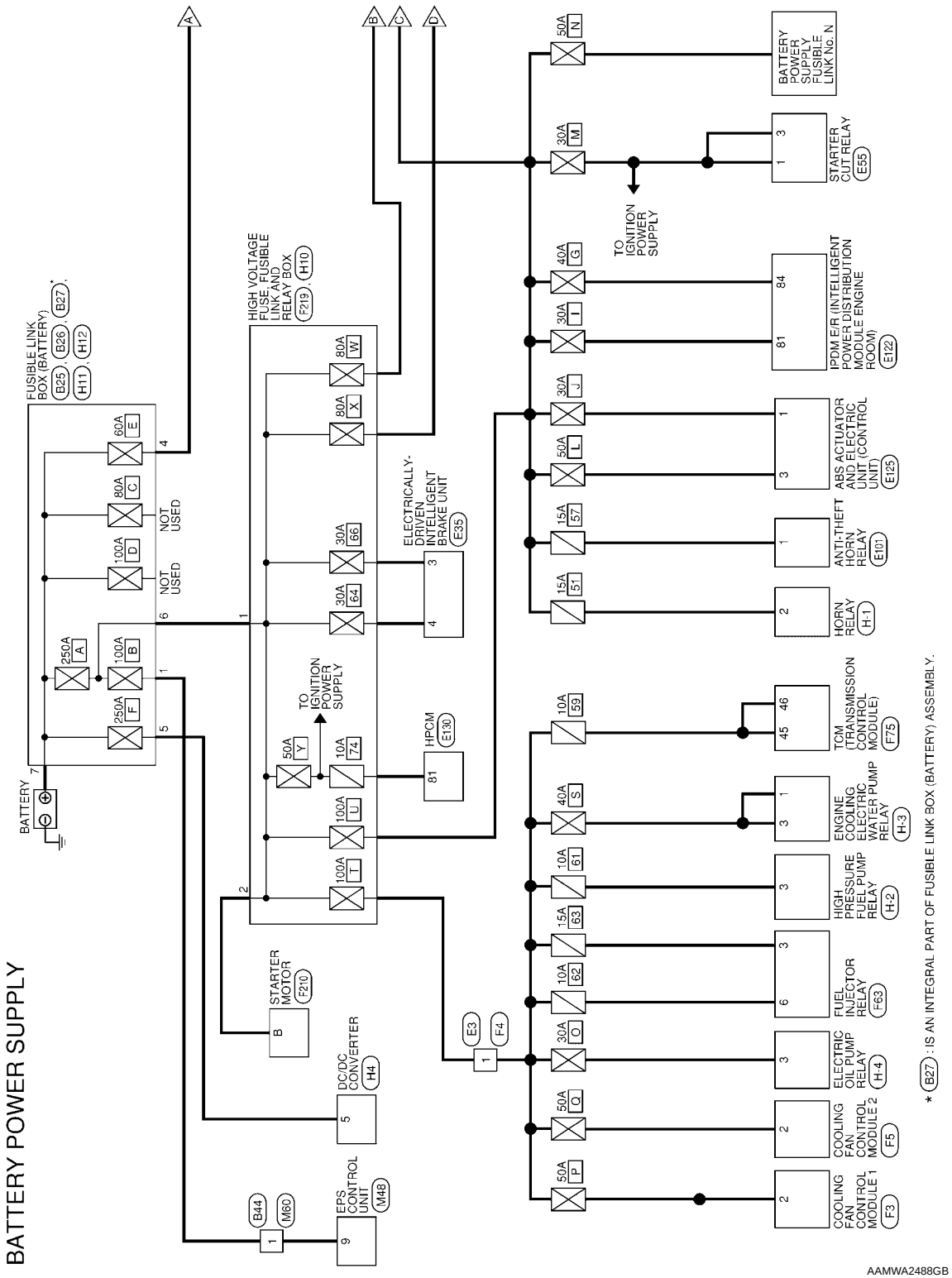
SEL188W

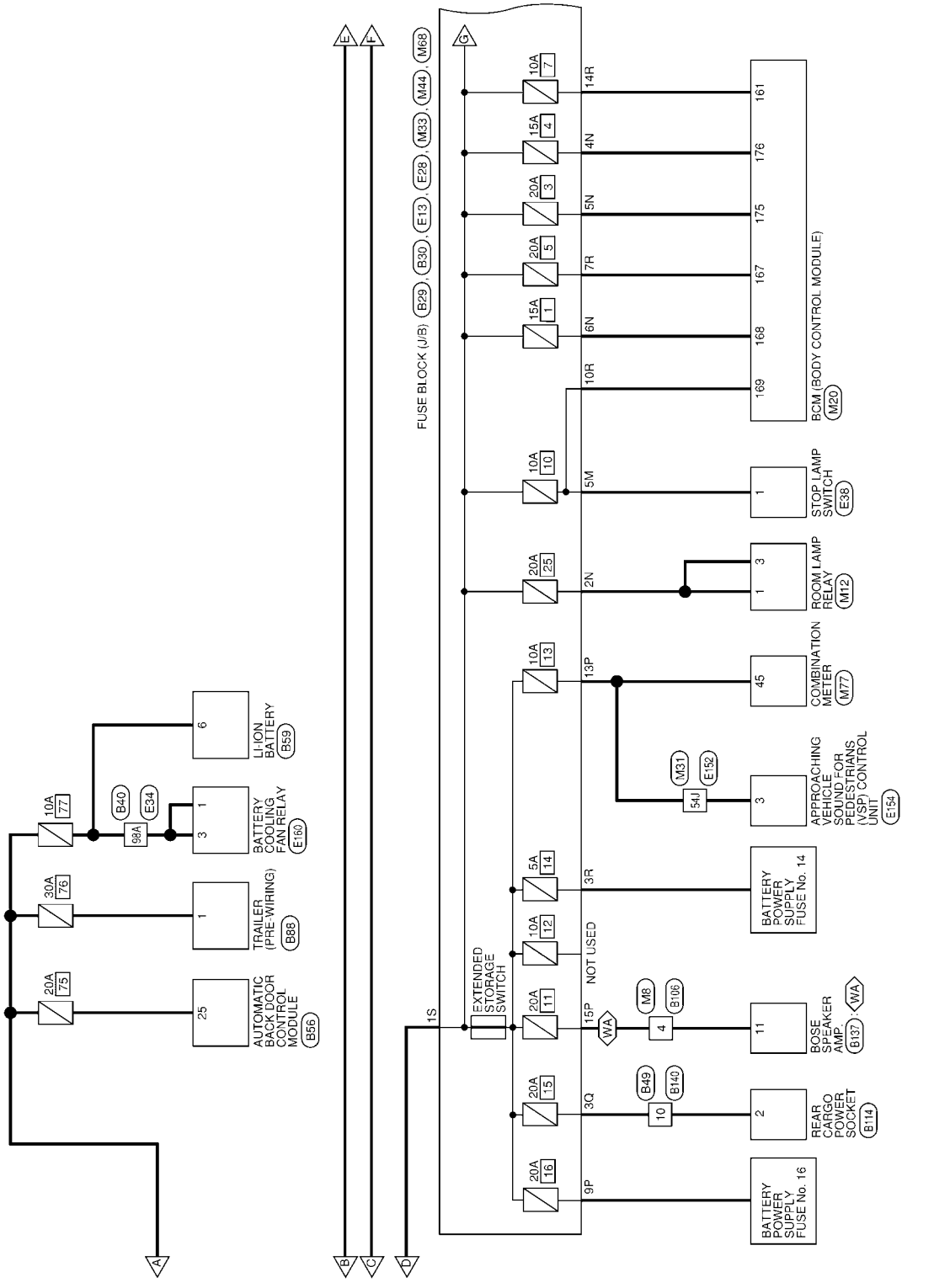
WIRING DIAGRAM

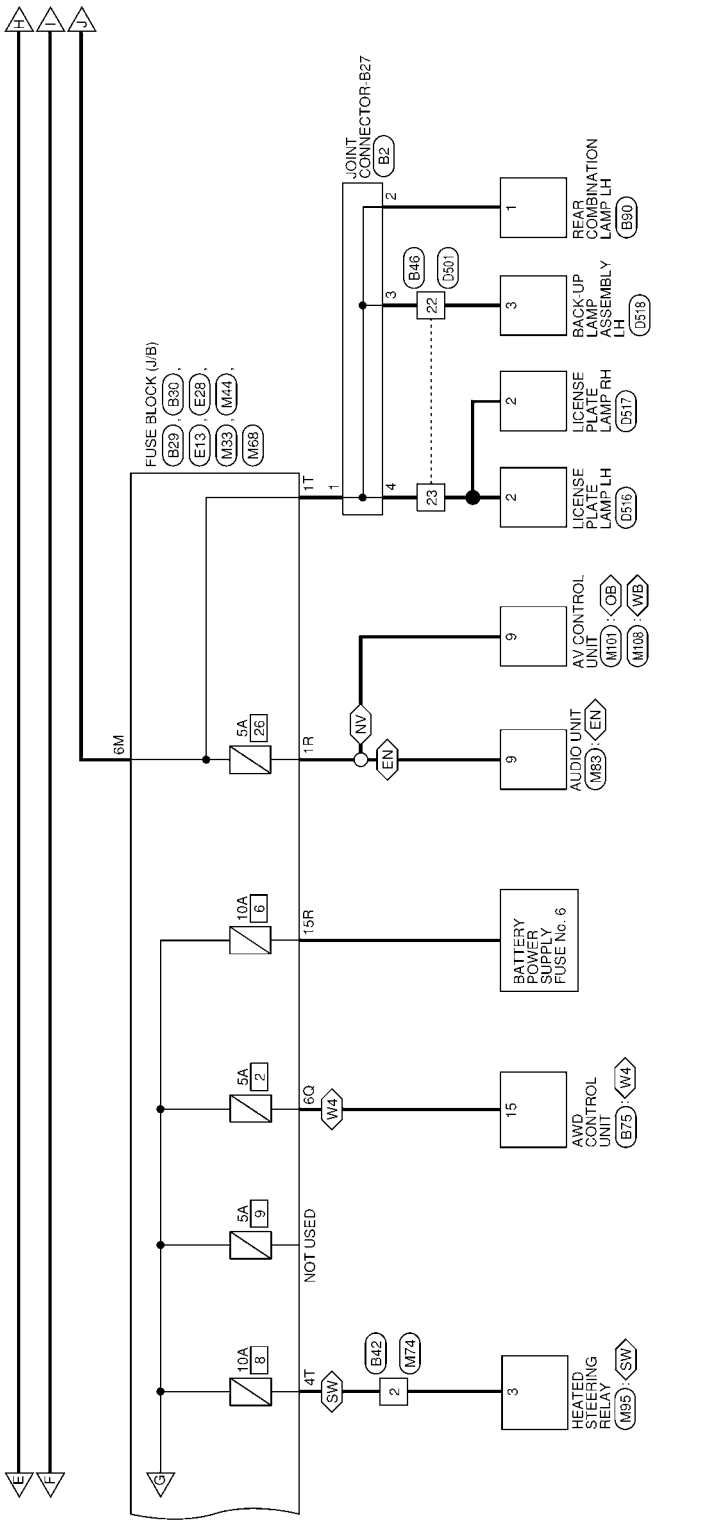
POWER SUPPLY ROUTING CIRCUIT

Wiring Diagram - BATTERY POWER SUPPLY -

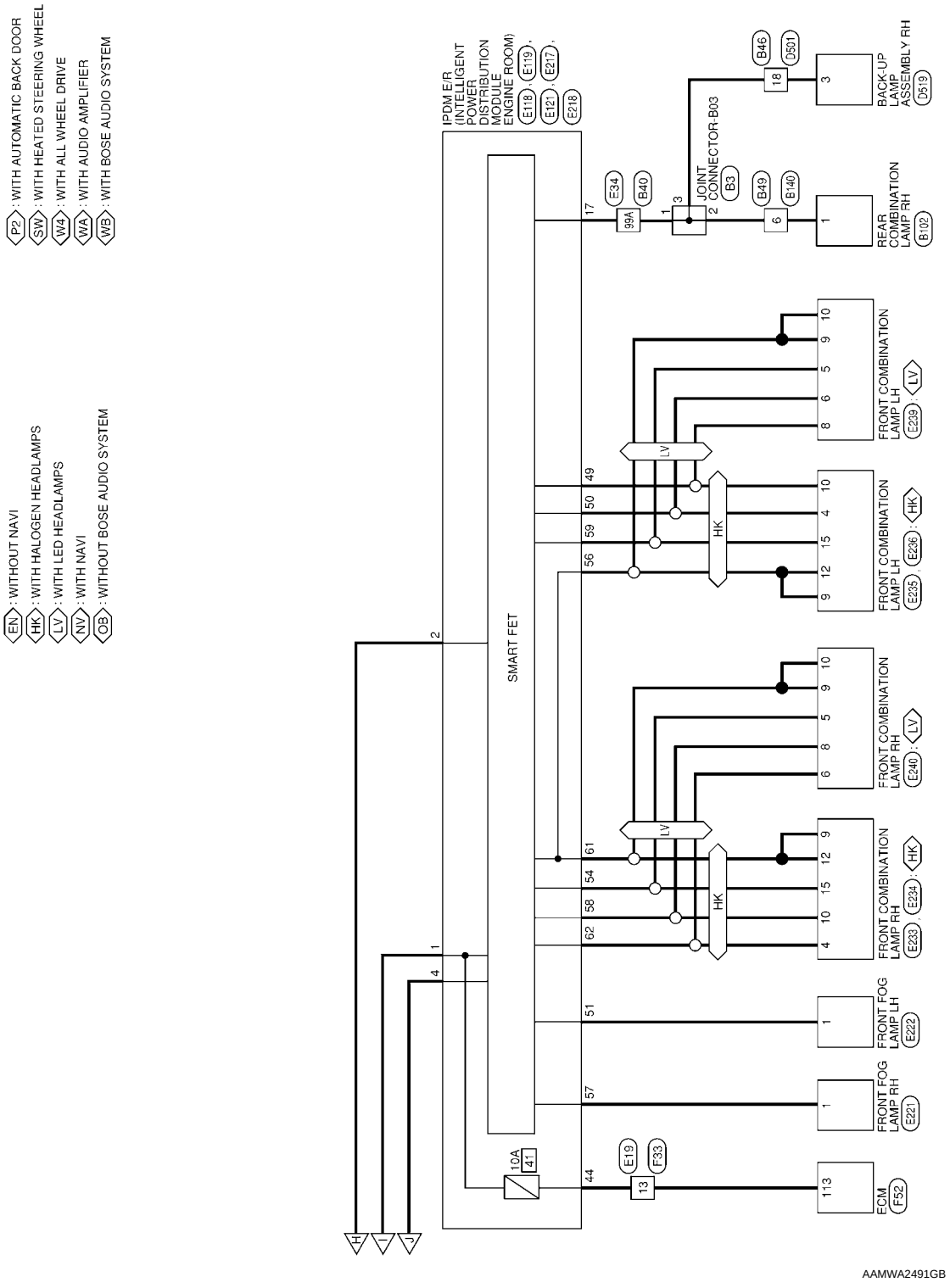
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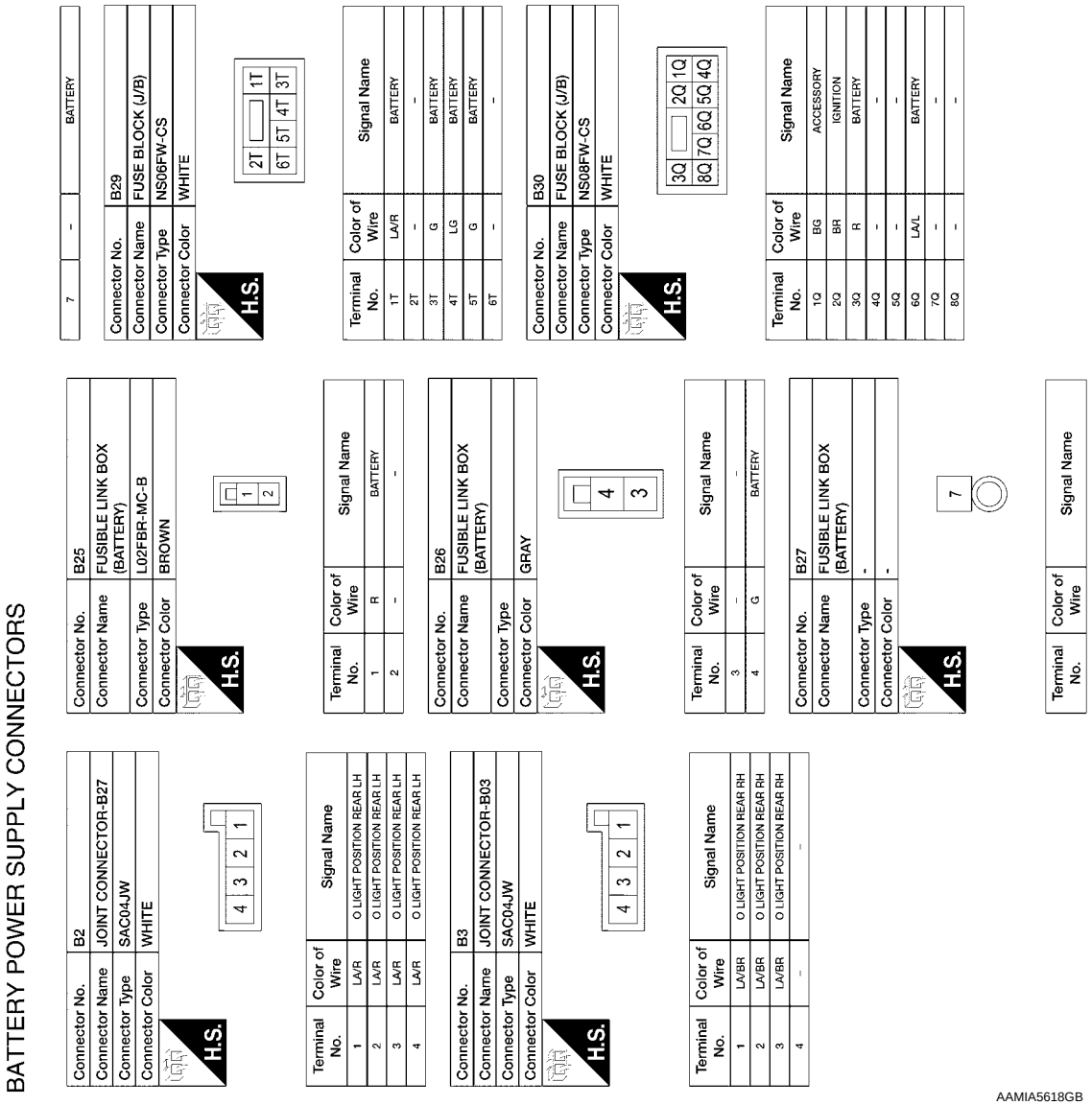

FUSE BLOCK (J/B) (B29), (B30), (E13), (E28), (M33), (M44), (M68)
BCM (BODY CONTROL MODULE) (M20)
STOP LAMP SWITCH (E38)
ROOM LAMP RELAY (M12)
COMBINATION METER (M77)
APPROACHING VEHICLE SOUND FOR PEDESTRIANS (VSP) CONTROL UNIT (E154)
BATTERY POWER SUPPLY FUSE No. 14
BOSE SPEAKER AMP. (B137)
REAR CARGO POWER SOCKET (B114)
BATTERY POWER SUPPLY FUSE No. 16
EXTENDED STORAGE SWITCH
NOT USED
LI-ION BATTERY (B59)
BATTERY COOLING FAN RELAY (E160)
TRAILER (PRE-WIRING) (B88)
AUTOMATIC BACK DOOR CONTROL MODULE (B56)
AAMWA2489GB



AAMWA2490GB


P2 : WITH AUTOMATIC BACK DOOR
SW : WITH HEATED STEERING WHEEL
W4 : WITH ALL WHEEL DRIVE
WA : WITH AUDIO AMPLIFIER
WB : WITH BOSE AUDIO SYSTEM
EN : WITHOUT NAVI
HK : WITH HALOGEN HEADLAMPS
LV : WITH LED HEADLAMPS
NV : WITH NAVI
OB : WITHOUT BOSE AUDIO SYSTEM
IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) E118, E119, E121, E217, E218
SMART FET
10A 41
E19 13 F33
ECM F52 113
FRONT FOG LAMP RH E221 1
FRONT FOG LAMP LH E222 1
FRONT COMBINATION LAMP RH E233, E224 : HK
FRONT COMBINATION LAMP RH E240 : LV
FRONT COMBINATION LAMP LH E235, E236 : HK
FRONT COMBINATION LAMP LH E239 : LV
REAR COMBINATION LAMP RH B102 1
JOINT CONNECTOR-B03 B3
E34 99A B40
B49 6 B140
B46 18 D501
BACK-UP LAMP ASSEMBLY RH D519 3
H
I
J
AAMWA2491GB

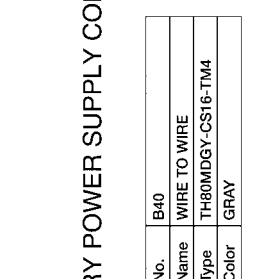
BATTERY POWER SUPPLY CONNECTORS



BATTERY POWER SUPPLY CONNECTORS

Connector No.	B40
Connector Name	WIRE TO WIRE
Connector Type	TH80MDGY-CS16-TM4
Connector Color	GRAY

H.S.



Terminal No.	Color of Wire	Signal Name
1A	–	TO ENGINE ROOM HARNESS
2A	–	TO ENGINE ROOM HARNESS
3A	–	TO ENGINE ROOM HARNESS
4A	–	TO ENGINE ROOM HARNESS
5A	–	TO ENGINE ROOM HARNESS
6A	LG	TO ENGINE ROOM HARNESS
7A	Y	TO ENGINE ROOM HARNESS
8A	GR	TO ENGINE ROOM HARNESS
9A	BR	TO ENGINE ROOM HARNESS
10A	–	TO ENGINE ROOM HARNESS
11A	–	TO ENGINE ROOM HARNESS
12A	–	TO ENGINE ROOM HARNESS
13A	–	TO ENGINE ROOM HARNESS
14A	–	TO ENGINE ROOM HARNESS
15A	–	TO ENGINE ROOM HARNESS
16A	–	TO ENGINE ROOM HARNESS
17A	–	TO ENGINE ROOM HARNESS
18A	–	TO ENGINE ROOM HARNESS
19A	–	TO ENGINE ROOM HARNESS
20A	–	TO ENGINE ROOM HARNESS
21A	–	TO ENGINE ROOM HARNESS
22A	–	TO ENGINE ROOM HARNESS
23A	–	TO ENGINE ROOM HARNESS
24A	–	TO ENGINE ROOM HARNESS
25A	–	TO ENGINE ROOM HARNESS
26A	–	TO ENGINE ROOM HARNESS
27A	–	TO ENGINE ROOM HARNESS
28A	–	TO ENGINE ROOM HARNESS
29A	–	TO ENGINE ROOM HARNESS
30A	–	TO ENGINE ROOM HARNESS
31A	–	TO ENGINE ROOM HARNESS
32A	–	TO ENGINE ROOM HARNESS
33A	–	TO ENGINE ROOM HARNESS
34A	–	TO ENGINE ROOM HARNESS
35A	–	TO ENGINE ROOM HARNESS
36A	–	TO ENGINE ROOM HARNESS
37A	–	TO ENGINE ROOM HARNESS
38A	–	TO ENGINE ROOM HARNESS
39A	–	TO ENGINE ROOM HARNESS
40A	–	TO ENGINE ROOM HARNESS
41A	–	TO ENGINE ROOM HARNESS
42A	–	TO ENGINE ROOM HARNESS
43A	–	TO ENGINE ROOM HARNESS
44A	–	TO ENGINE ROOM HARNESS
45A	–	TO ENGINE ROOM HARNESS
46A	–	TO ENGINE ROOM HARNESS
47A	–	TO ENGINE ROOM HARNESS
48A	–	TO ENGINE ROOM HARNESS
49A	–	TO ENGINE ROOM HARNESS
50A	–	TO ENGINE ROOM HARNESS
51A	–	TO ENGINE ROOM HARNESS
52A	–	TO ENGINE ROOM HARNESS
53A	–	TO ENGINE ROOM HARNESS
54A	R	TO ENGINE ROOM HARNESS
55A	L	TO ENGINE ROOM HARNESS
56A	BR	TO ENGINE ROOM HARNESS
57A	W	TO ENGINE ROOM HARNESS
58A	B	TO ENGINE ROOM HARNESS
59A	LG	TO ENGINE ROOM HARNESS
60A	B	TO ENGINE ROOM HARNESS
61A	SHIELD	TO ENGINE ROOM HARNESS
62A	–	TO ENGINE ROOM HARNESS
63A	LG	TO ENGINE ROOM HARNESS
64A	Y	TO ENGINE ROOM HARNESS
65A	P	TO ENGINE ROOM HARNESS
66A	R	TO ENGINE ROOM HARNESS
67A	SB	TO ENGINE ROOM HARNESS
68A	BG	TO ENGINE ROOM HARNESS
69A	GR	TO ENGINE ROOM HARNESS
70A	G	TO ENGINE ROOM HARNESS
71A	–	TO ENGINE ROOM HARNESS
72A	–	TO ENGINE ROOM HARNESS
73A	–	TO ENGINE ROOM HARNESS
74A	–	TO ENGINE ROOM HARNESS
75A	B	TO ENGINE ROOM HARNESS
76A	G	TO ENGINE ROOM HARNESS
77A	SB	TO ENGINE ROOM HARNESS
78A	BG	TO ENGINE ROOM HARNESS
79A	Y	TO ENGINE ROOM HARNESS
80A	BR	TO ENGINE ROOM HARNESS
81A	R	TO ENGINE ROOM HARNESS
82A	–	TO ENGINE ROOM HARNESS
83A	–	TO ENGINE ROOM HARNESS
84A	–	TO ENGINE ROOM HARNESS
85A	–	TO ENGINE ROOM HARNESS
86A	–	TO ENGINE ROOM HARNESS
87A	–	TO ENGINE ROOM HARNESS
88A	–	TO ENGINE ROOM HARNESS
89A	–	TO ENGINE ROOM HARNESS
90A	–	TO ENGINE ROOM HARNESS
91A	–	TO ENGINE ROOM HARNESS
92A	–	TO ENGINE ROOM HARNESS
93A	–	TO ENGINE ROOM HARNESS
94A	–	TO ENGINE ROOM HARNESS
95A	–	TO ENGINE ROOM HARNESS
96A	BG	TO ENGINE ROOM HARNESS
97A	–	TO ENGINE ROOM HARNESS
98A	GR	TO ENGINE ROOM HARNESS
99A	LA/BR	TO ENGINE ROOM HARNESS
100A	G	TO ENGINE ROOM HARNESS

Connector No.	B42
Connector Name	WIRE TO WIRE
Connector Type	NS16MW-CS
Connector Color	WHITE

H.S.

1	2	3		4	5	6	7
8	9	10	11	12	13	14	15	16

Terminal No.	Color of Wire	Signal Name
1	LG	TO MAIN HARNESS
2	LG	TO MAIN HARNESS
3	V	TO MAIN HARNESS
4	LA/G	TO MAIN HARNESS
5	W	TO MAIN HARNESS
6	BG	TO MAIN HARNESS
7	LA/R	TO MAIN HARNESS
8	LA/GR	TO MAIN HARNESS (WITH AUTOMATIC DRIVE POSITIONER)
8	LA/G	TO MAIN HARNESS (WITHOUT AUTOMATIC DRIVE POSITIONER)
9	LA/P	TO MAIN HARNESS
10	LA/R	TO MAIN HARNESS
11	LA/V	TO MAIN HARNESS
12	LA/Y	TO MAIN HARNESS
13	LA/GR	TO MAIN HARNESS
14	LA/BG	TO MAIN HARNESS
15	LA/BR	TO MAIN HARNESS
16	R	TO MAIN HARNESS

Connector No.	B44
Connector Name	WIRE TO WIRE
Connector Type	L02FB-MC
Connector Color	BLACK

H.S.

Terminal No.	Color of Wire	Signal Name
1	R	TO MAIN HARNESS
2	–	TO MAIN HARNESS

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BATTERY POWER SUPPLY CONNECTORS

Connector No.	B46
Connector Name	WIRE TO WIRE
Connector Type	TH32MW-NH
Connector Color	WHITE

H.S.

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	32

Terminal No.	Color of Wire	Signal Name
1	–	TO BACK DOOR HARNESS
2	–	TO BACK DOOR HARNESS
3	–	TO BACK DOOR HARNESS
4	–	TO BACK DOOR HARNESS
5	R	TO BACK DOOR HARNESS
6	B	TO BACK DOOR HARNESS
7	W	TO BACK DOOR HARNESS
8	SHIELD	TO BACK DOOR HARNESS
9	–	TO BACK DOOR HARNESS
10	–	TO BACK DOOR HARNESS
11	–	TO BACK DOOR HARNESS
12	–	TO BACK DOOR HARNESS
13	W	TO BACK DOOR HARNESS
14	V	TO BACK DOOR HARNESS
15	BR	TO BACK DOOR HARNESS
16	SB	TO BACK DOOR HARNESS
17	LA/W	TO BACK DOOR HARNESS
18	LA/BR	TO BACK DOOR HARNESS
19	LG	TO BACK DOOR HARNESS
20	G	TO BACK DOOR HARNESS
21	G	TO BACK DOOR HARNESS
22	LA/R	TO BACK DOOR HARNESS
23	LA/R	TO BACK DOOR HARNESS
24	R	TO BACK DOOR HARNESS
25	–	TO BACK DOOR HARNESS
26	–	TO BACK DOOR HARNESS
27	–	TO BACK DOOR HARNESS
28	–	TO BACK DOOR HARNESS
29	Y	TO BACK DOOR HARNESS
30	G	TO BACK DOOR HARNESS
31	GR	TO BACK DOOR HARNESS
32	LG	TO BACK DOOR HARNESS

Connector No.	B49
Connector Name	WIRE TO WIRE
Connector Type	NS16MW-CS
Connector Color	WHITE

H.S.

1	2	3		4	5	6	7
8	9	10	11	12	13	14	15	16

Terminal No.	Color of Wire	Signal Name
1	SB	TO BODY NO. 2 HARNESS
2	W	TO BODY NO. 2 HARNESS
3	LA/W	TO BODY NO. 2 HARNESS
4	V	TO BODY NO. 2 HARNESS
5	SB	TO BODY NO. 2 HARNESS
6	LA/BR	TO BODY NO. 2 HARNESS
7	P	TO BODY NO. 2 HARNESS
8	LA/W	TO BODY NO. 2 HARNESS
9	LA/BR	TO BODY NO. 2 HARNESS
10	R	TO BODY NO. 2 HARNESS
11	LA/G	TO BODY NO. 2 HARNESS
12	LA/P	TO BODY NO. 2 HARNESS
13	–	TO BODY NO. 2 HARNESS
14	–	TO BODY NO. 2 HARNESS
15	G	TO BODY NO. 2 HARNESS
16	V	TO BODY NO. 2 HARNESS

Connector No.	B56
Connector Name	AUTOMATIC BACK DOOR CONTROL MODULE
Connector Type	YEA10FGY-YHA4
Connector Color	GRAY

H.S.

25	26	27	28	29	30	31
32	33	34	35	36	37	38

Terminal No.	Color of Wire	Signal Name
25	BR	+B(1)
26	L	KICK SENSOR SIG(SERIAL SIG)
27	BR	P B/D LH MTR OPEN
28	–	–
29	BR	P B/D RH MTR OPEN
30	GR	KICK SENSOR PWR
31	L	LATCH MTR OPEN
32	B	GND (POWER 1)
33	–	–
34	G	P B/D LH MTR CLOSE
35	B	SPINDLE NOISE
36	G	P B/D RH MTR CLOSE
37	Y	BUZZER
38	SB	LATCH MTR CLOSE

Connector No.	B59
Connector Name	LI-ION BATTERY
Connector Type	TH24FW-NH
Connector Color	WHITE

H.S.

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

Terminal No.	Color of Wire	Signal Name
1	SB	SIO
2	B	GND1
3	L	CAN–H
4	–	–
5	–	–
6	P	BAT
7	B	RLY2 GND
8	–	–
9	SB	PRE CHG RLY V
10	P	SDSW (+)
11	BG	RLY1 V
12	–	–
13	V	VM0
14	B	GND2
15	G	CAN–L
16	–	–
17	R	FCTL
18	LG	VIGN
19	–	–
20	–	–
21	–	–
22	Y	SDSW (–)
23	GR	RLY2 V
24	B	RLY1 GND

Connector No.	B75
Connector Name	AWD CONTROL UNIT
Connector Type	TH16FW-NH
Connector Color	WHITE

H.S.

1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16

Terminal No.	Color of Wire	Signal Name
1	SB	AWD SOL (+)
2	Y	AWD SOL (–)
3	–	–
4	–	–
5	–	–
6	–	–
7	LA/R	IGN
8	L	CAN–H
9	LA/G	SOL BATT
10	B	GND
11	B	GND
12	–	–
13	–	–
14	Y	LOCK SWITCH
15	LA/L	VB
16	P	CAN–L

Connector No.	B88
Connector Name	TRAILER (PRE-WIRING)
Connector Type	M02FW-LC
Connector Color	WHITE

H.S.

1
2

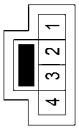
Terminal No.	Color of Wire	Signal Name
1	BG	BATTERY
2	L	O D/I RR RIGHT B

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BATTERY POWER SUPPLY CONNECTORS

Connector No.	B90
Connector Name	REAR COMBINATION LAMP LH
Connector Type	NS04MW-CS
Connector Color	WHITE

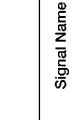
H.S.



Terminal No.	Color of Wire	Signal Name
1	LA/R	O LIGHT POSITION REAR LH
2	LA/Y	O STOP LAMP2 NISSAN EUR
3	GR	O DI RR LEFT B
4	B	GROUND

Connector No.	B102
Connector Name	REAR COMBINATION LAMP RH
Connector Type	NS04MW-CS
Connector Color	WHITE

H.S.



Terminal No.	Color of Wire	Signal Name
1	LA/BR	O LIGHT POSITION REAR RH
2	LA/Y	O STOP LAMP 1
3	LA/V	O DI RR RIGHT B
4	B	GROUND

Connector No.	B106
Connector Name	WIRE TO WIRE
Connector Type	M04MW-LC
Connector Color	WHITE

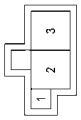
H.S.



Terminal No.	Color of Wire	Signal Name
1	SB	TO MAIN HARNESS
2	–	TO MAIN HARNESS
3	–	TO MAIN HARNESS
4	W	TO MAIN HARNESS

Connector No.	B114
Connector Name	REAR CARGO POWER SOCKET
Connector Type	CEA01FB-CHA2
Connector Color	BLACK

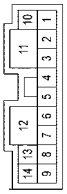
H.S.



Terminal No.	Color of Wire	Signal Name
1	–	–
2	R	BATTERY
3	B	GROUND

Connector No.	B137
Connector Name	BOSE SPEAKER AMP.
Connector Type	SGA12FBR-SJA2
Connector Color	BROWN

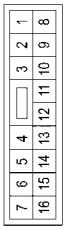
H.S.



Terminal No.	Color of Wire	Signal Name
1	SB	WOOFER OUT 1 +
2	GR	WOOFER OUT 2 +
3	Y	WOOFER OUT 2 -
4	BR	FR DOOR RH + OUT
5	P	FR DOOR LH - OUT
6	LG	RR DOOR LH + OUT
7	V	RR DOOR LH - OUT
8	G	FR DOOR RH + OUT
9	–	–
10	V	WOOFER OUT 1 -
11	W	BATTERY
12	B	GROUND
13	R	FR DOOR RH - OUT
14	–	–

Connector No.	B140
Connector Name	WIRE TO WIRE
Connector Type	NS16FW-CS
Connector Color	WHITE

H.S.



Terminal No.	Color of Wire	Signal Name
1	GR	TO BODY HARNESS
2	W	TO BODY HARNESS
3	LA/Y	TO BODY HARNESS
4	V	TO BODY HARNESS
5	SB	TO BODY HARNESS
6	LA/BR	TO BODY HARNESS
7	LA/V	TO BODY HARNESS
8	L	TO BODY HARNESS
9	Y	TO BODY HARNESS
10	R	TO BODY HARNESS
11	V	TO BODY HARNESS
12	LG	TO BODY HARNESS
13	L	TO BODY HARNESS
14	Y	TO BODY HARNESS
15	LA/GR	TO BODY HARNESS
16	LA/LG	TO BODY HARNESS

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BATTERY POWER SUPPLY CONNECTORS

Connector No.	D501
Connector Name	WIRE TO WIRE
Connector Type	TH32FW-NH
Connector Color	WHITE

H.S.

16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17

Terminal No.	Color of Wire	Signal Name
1	–	TO BODY HARNESS
2	–	TO BODY HARNESS
3	–	TO BODY HARNESS
4	–	TO BODY HARNESS
5	R	TO BODY HARNESS
6	B	TO BODY HARNESS
7	W	TO BODY HARNESS
8	V	TO BODY HARNESS
9	–	TO BODY HARNESS
10	–	TO BODY HARNESS
11	–	TO BODY HARNESS
12	–	TO BODY HARNESS
13	G	TO BODY HARNESS
14	LA/GR	TO BODY HARNESS
15	LA/W	TO BODY HARNESS
16	LA/LG	TO BODY HARNESS
17	Y	TO BODY HARNESS
18	LA/R	TO BODY HARNESS
19	W	TO BODY HARNESS
20	–	TO BODY HARNESS
21	G	TO BODY HARNESS
22	LA/Y	TO BODY HARNESS
23	P	TO BODY HARNESS
24	BR	TO BODY HARNESS
25	–	TO BODY HARNESS
26	–	TO BODY HARNESS
27	–	TO BODY HARNESS
28	–	TO BODY HARNESS
29	V	TO BODY HARNESS
30	G	TO BODY HARNESS
31	BG	TO BODY HARNESS
32	LG	TO BODY HARNESS

Connector No.	D516
Connector Name	LICENSE PLATE LAMP LH
Connector Type	TK02FBR
Connector Color	BROWN

H.S.

1	2

Terminal No.	Color of Wire	Signal Name
1	B	GROUND
2	P	O LIGHT POSITION REAR LH

Connector No.	D517
Connector Name	LICENSE PLATE LAMP RH
Connector Type	TK02FBR
Connector Color	BROWN

H.S.

1	2

Terminal No.	Color of Wire	Signal Name
1	B	GROUND
2	R	O LIGHT POSITION REAR RH

Connector No.	D518
Connector Name	BACK-UP LAMP ASSEMBLY LH
Connector Type	NS03MW-CS
Connector Color	WHITE

H.S.

1	2	3

Terminal No.	Color of Wire	Signal Name
1	GR	GROUND
2	G	O LIGHT REVERSE LAMP
3	LA/Y	O LIGHT POSITION REAR LH

Connector No.	D519
Connector Name	BACK-UP LAMP ASSEMBLY RH
Connector Type	NS03MW-CS
Connector Color	WHITE

H.S.

1	2	3

Terminal No.	Color of Wire	Signal Name
1	GR	GROUND
2	L	O LIGHT POSITION REAR LH
3	LA/R	O LIGHT POSITION REAR RH

Connector No.	E3
Connector Name	WIRE TO WIRE
Connector Type	Y01MGY
Connector Color	GRAY

H.S.

1

Terminal No.	Color of Wire	Signal Name
1	W	TO ENGINE CONTROL HARNESS

Connector No.	E13
Connector Name	FUSE BLOCK (J/B)
Connector Type	L01FW-MC
Connector Color	WHITE

H.S.

1S

Terminal No.	Color of Wire	Signal Name
3	LA/Y	O LIGHT POSITION REAR LH
1S	G	BATTERY

Connector No.	E19
Connector Name	WIRE TO WIRE
Connector Type	NS16MBR-CS
Connector Color	BROWN

H.S.

1	2	3	4	5	6	7
8	9	10	11	12	13	14	15	16

Terminal No.	Color of Wire	Signal Name
1	B	TO ENGINE CONTROL HARNESS
2	BG	TO ENGINE CONTROL HARNESS
3	B	TO ENGINE CONTROL HARNESS
4	B	TO ENGINE CONTROL HARNESS
5	B	TO ENGINE CONTROL HARNESS
6	B	TO ENGINE CONTROL HARNESS
7	B	TO ENGINE CONTROL HARNESS
8	W	TO ENGINE CONTROL HARNESS
9	BR	TO ENGINE CONTROL HARNESS
10	BR	TO ENGINE CONTROL HARNESS
11	L	TO ENGINE CONTROL HARNESS
12	BR	TO ENGINE CONTROL HARNESS
13	R	TO ENGINE CONTROL HARNESS
14	G	TO ENGINE CONTROL HARNESS
15	W	TO ENGINE CONTROL HARNESS
16	W	TO ENGINE CONTROL HARNESS

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BATTERY POWER SUPPLY CONNECTORS

Connector No.	E28
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS10FW-CS
Connector Color	WHITE

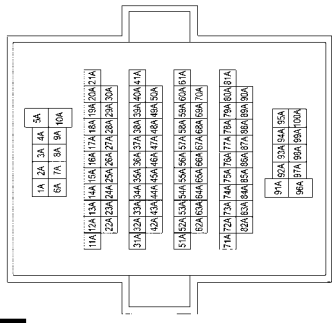
H.S.

4M	3M		2M	1M
10M	9M	8M	7M	6M	5M

Terminal No.	Color of Wire	Signal Name
1M	–	–
2M	–	–
3M	–	–
4M	–	–
5M	V	BATTERY
6M	Y	O LIGHT POSITION REAR LH
7M	–	–
8M	–	–
9M	–	–
10M	–	–

Connector No.	E34
Connector Name	WIRE TO WIRE
Connector Type	TH80FDGY-CS16-TM4
Connector Color	GRAY

H.S.



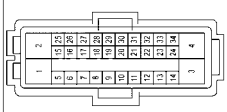
Terminal No.	Color of Wire	Signal Name
1A	–	TO BODY HARNESS
2A	–	TO BODY HARNESS
3A	–	TO BODY HARNESS
4A	–	TO BODY HARNESS
5A	–	TO BODY HARNESS
6A	L	TO BODY HARNESS
7A	R	TO BODY HARNESS
9A	GR	TO BODY HARNESS
9A	BR	TO BODY HARNESS
10A	–	TO BODY HARNESS
11A	–	TO BODY HARNESS
12A	–	TO BODY HARNESS
13A	–	TO BODY HARNESS
14A	–	TO BODY HARNESS
15A	–	TO BODY HARNESS
16A	–	TO BODY HARNESS
17A	–	TO BODY HARNESS
18A	–	TO BODY HARNESS
19A	–	TO BODY HARNESS
20A	–	TO BODY HARNESS
21A	–	TO BODY HARNESS
22A	–	TO BODY HARNESS
23A	–	TO BODY HARNESS
24A	–	TO BODY HARNESS
25A	–	TO BODY HARNESS
26A	–	TO BODY HARNESS
27A	–	TO BODY HARNESS
28A	–	TO BODY HARNESS
29A	–	TO BODY HARNESS
30A	–	TO BODY HARNESS
31A	–	TO BODY HARNESS
32A	–	TO BODY HARNESS
33A	–	TO BODY HARNESS
34A	–	TO BODY HARNESS
35A	–	TO BODY HARNESS
36A	–	TO BODY HARNESS
37A	–	TO BODY HARNESS
38A	–	TO BODY HARNESS
39A	–	TO BODY HARNESS
40A	–	TO BODY HARNESS
41A	–	TO BODY HARNESS
42A	–	TO BODY HARNESS
43A	–	TO BODY HARNESS
44A	–	TO BODY HARNESS
45A	–	TO BODY HARNESS
46A	–	TO BODY HARNESS
47A	–	TO BODY HARNESS
48A	–	TO BODY HARNESS
49A	–	TO BODY HARNESS
50A	–	TO BODY HARNESS
51A	–	TO BODY HARNESS
52A	–	TO BODY HARNESS
53A	–	TO BODY HARNESS
54A	R	TO BODY HARNESS
55A	L	TO BODY HARNESS
56A	BR	TO BODY HARNESS
57A	W	TO BODY HARNESS
58A	V	TO BODY HARNESS
59A	Y	TO BODY HARNESS
60A	B	TO BODY HARNESS
61A	SHIELD	TO BODY HARNESS
62A	–	TO BODY HARNESS
63A	L	TO BODY HARNESS
64A	Y	TO BODY HARNESS
65A	P	TO BODY HARNESS
66A	R	TO BODY HARNESS
67A	SB	TO BODY HARNESS
68A	BG	TO BODY HARNESS
69A	GR	TO BODY HARNESS
70A	LG	TO BODY HARNESS
71A	–	TO BODY HARNESS
72A	–	TO BODY HARNESS
73A	–	TO BODY HARNESS
74A	–	TO BODY HARNESS
75A	B	TO BODY HARNESS
76A	G	TO BODY HARNESS
77A	SB	TO BODY HARNESS
78A	BG	TO BODY HARNESS
79A	LG	TO BODY HARNESS
80A	BR	TO BODY HARNESS
81A	G	TO BODY HARNESS
82A	–	TO BODY HARNESS
83A	–	TO BODY HARNESS
84A	–	TO BODY HARNESS
85A	–	TO BODY HARNESS
86A	–	TO BODY HARNESS
87A	–	TO BODY HARNESS
88A	–	TO BODY HARNESS
89A	–	TO BODY HARNESS
90A	–	TO BODY HARNESS
91A	–	TO BODY HARNESS
92A	–	TO BODY HARNESS
93A	–	TO BODY HARNESS
94A	–	TO BODY HARNESS
95A	–	TO BODY HARNESS
96A	G	TO BODY HARNESS
97A	–	TO BODY HARNESS
98A	GR	TO BODY HARNESS
99A	W	TO BODY HARNESS
100A	G	TO BODY HARNESS

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BATTERY POWER SUPPLY CONNECTORS

Connector No.	E35
Connector Name	HYDRAULIC BRAKE BOOSTER UNIT
Connector Type	SAZ30FB-SJZ4-D
Connector Color	BLACK

H.S.



Terminal No.	Color of Wire	Signal Name
1	B	GND1
2	B	GND2
3	R	BM1
4	G	BM2
5	–	–
6	–	–
7	W	BZ
8	–	–
9	L	CAN-H
10	R	CAN-L
11	–	–
12	–	–
13	BG	ACC
14	V	IG
15	–	–
16	–	–
17	–	–
18	–	–
19	–	–
20	–	–
21	–	–
22	–	–
23	–	–
24	–	–
25	–	–
26	–	–
27	–	–
28	–	–
29	–	–
30	–	–
31	–	–
32	–	–
33	–	–
34	–	–

Connector No.	E38
Connector Name	STOP LAMP SWITCH
Connector Type	M04FW-LC
Connector Color	WHITE

H.S.



Terminal No.	Color of Wire	Signal Name
1	V	BATTERY
2	LG	I BRAKE SW2
3	L	IGNITION
4	W	STOP LAMP SWITCH OUTPUT

Connector No.	E55
Connector Name	STARTER CUT RELAY
Connector Type	MS02FL-M2-LC
Connector Color	BLUE

H.S.



Terminal No.	Color of Wire	Signal Name
1	SB	BATTERY
2	G	RELAY CONTROL
3	L	BATTERY
5	GR	RELAY OUTPUT

Connector No.	E101
Connector Name	ANTI-THEFT HORN RELAY
Connector Type	M03FW-R-LC
Connector Color	WHITE

H.S.



Terminal No.	Color of Wire	Signal Name
1	L	BATTERY
2	R	RELAY OUTPUT
3	GR	RELAY CONTROL

Connector No.	E118
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	L02FB-MC
Connector Color	BLACK

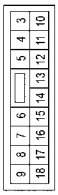
H.S.



Terminal No.	Color of Wire	Signal Name
1	R	FL BAT 2
2	W	FL BAT 1

Connector No.	E119
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	NS16FGY-CS
Connector Color	GRAY

H.S.



Terminal No.	Color of Wire	Signal Name
3	–	–
4	Y	LIGHT POSITION REAR LH
5	–	–
6	–	–
7	–	–
8	BR	ACTUATOR4 CABIN (SFB4)
9	L	LO HORN RLY
10	–	–
11	V	IGN AIRBAG
12	B	SIGNAL GROUND
13	–	–
14	–	–
15	–	–
16	G	LIGHT REVERSE LAMP
17	W	LIGHT POSITION REAR RH
18	–	–

AAMIA5624GB

BATTERY POWER SUPPLY CONNECTORS

Connector No.	E121
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	24340S408R
Connector Color	RED

H.S.

45 44 43
48 47 46

Terminal No.	Color of Wire	Signal Name
43	–	–
44	R	BAT ABS VALVE
45	V	FR WIPER HI
46	W	FUEL PUMP
47	B	POWER GROUND
48	Y	FR WIPER LO

Connector No.	E125
Connector Name	ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)
Connector Type	SAZ34FB-HS2-SJZ2-DH
Connector Color	BLACK

H.S.

2 16 15 14 13 12 11 10 9 8 7 6 5 1
4 27 26 25 24 23 22 21 20 19 18 17 3
38 37 36 35 34 33 32 31 30 29 28

Terminal No.	Color of Wire	Signal Name
1	BR	UB VR
2	B	GND MR
3	Y	UB MR
4	B	GND ECU
5	–	–
6	–	–
7	–	–
8	W	SKS1 (S1)
9	BR	VDC OFF
10	G	SKS2 (S2)
11	V	WSP FR
12	SB	WSS FR
13	BR	WSP RL
14	G	WSS RL
15	–	–
16	–	–
17	–	–
18	–	–
19	L	CAN- H
20	–	–
21	–	–
22	–	–
23	W	WSP FL
24	P	WSS FL
25	BG	WSP RR
26	LG	WSS RR
27	–	–
28	GR	WAU
29	–	–
30	P	CAN- L
31	B	VSSG (GND)
32	–	–
33	R	ASSM (VCC)
35	–	–
36	–	–
37	–	–

38	–

Connector No.	E130
Connector Name	HPCM
Connector Type	RH24FB-RZ8-L-RH
Connector Color	BLACK

H.S.

81 85 89 93 97 101 105 109
82 86 90 94 98 102 106 110
83 87 91 95 99 103 107 111
84 88 92 96 100 104 108 112

Terminal No.	Color of Wire	Signal Name
81	R	12V BATTERY VOLTAGE
82	–	–
83	P	CAN-L
84	L	CAN-H
85	–	–
86	–	–
87	–	–
88	B	DC/DC CONVERTER VOLTAGE STABILIZER SIGNAL
89	–	–
90	–	–
91	–	–
92	–	–
93	Y	IGNITION SIGNAL
94	G	ASCD STEERING SWITCH
95	BR	ASCD STEERING SWITCH GROUND
96	–	–
97	L	HEV SYSTEM CAN-H
98	G	HEV SYSTEM CAN-L
99	R	STOP LAMP SWITCH
100	W	BRAKE PEDAL POSITION SWITCH
101	–	–
102	SB	SENSOR POWER SUPPLY
103	BR	ACCELERATOR PEDAL POSITION SENSOR 2
104	LG	SENSOR GROUND
105	BR	POWER SUPPLY FOR HPCM
106	V	SENSOR POWER SUPPLY
107	–	–
108	B	HPCM GND
109	–	–
110	GR	ACCELERATOR PEDAL POSITION SENSOR 1
111	R	SENSOR GROUND
112	GR	HPCM GND

Connector No.	E122
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	YLA06FGY
Connector Color	GRAY

H.S.

83 82 81
86 85 84

Terminal No.	Color of Wire	Signal Name
81	V	FL ECM USM SUPPLY
82	–	–
83	G	STARTER
84	LG	BATT MOTOR FAN LO
85	–	–
86	GR	FL STARTER

AAMIA5625GB

BATTERY POWER SUPPLY CONNECTORS

Connector No.	E152
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
1J	–	TO MAIN HARNESS
2J	Y	TO MAIN HARNESS
3J	–	TO MAIN HARNESS
4J	–	TO MAIN HARNESS
5J	–	TO MAIN HARNESS
6J	–	TO MAIN HARNESS
7J	–	TO MAIN HARNESS
8J	–	TO MAIN HARNESS
9J	BR	TO MAIN HARNESS
10J	–	TO MAIN HARNESS
11J	–	TO MAIN HARNESS
12J	–	TO MAIN HARNESS
13J	–	TO MAIN HARNESS
14J	–	TO MAIN HARNESS
15J	–	TO MAIN HARNESS
16J	–	TO MAIN HARNESS
17J	–	TO MAIN HARNESS
18J	–	TO MAIN HARNESS
19J	–	TO MAIN HARNESS
20J	–	TO MAIN HARNESS
21J	GR	TO MAIN HARNESS
22J	SHIELD	TO MAIN HARNESS
23J	LG	TO MAIN HARNESS
24J	V	TO MAIN HARNESS
25J	L	TO MAIN HARNESS
26J	BR	TO MAIN HARNESS
27J	G	TO MAIN HARNESS
28J	R	TO MAIN HARNESS
29J	L	TO MAIN HARNESS
30J	V	TO MAIN HARNESS
31J	–	TO MAIN HARNESS
32J	–	TO MAIN HARNESS
33J	R	TO MAIN HARNESS
34J	L	TO MAIN HARNESS
35J	BG	TO MAIN HARNESS
36J	LG	TO MAIN HARNESS
37J	GR	TO MAIN HARNESS
38J	BR	TO MAIN HARNESS
39J	–	TO MAIN HARNESS
40J	–	TO MAIN HARNESS
41J	G	TO MAIN HARNESS
42J	W	TO MAIN HARNESS
43J	L	TO MAIN HARNESS
44J	B	TO MAIN HARNESS
45J	SB	TO MAIN HARNESS
46J	BR	TO MAIN HARNESS
47J	W	TO MAIN HARNESS
48J	W	TO MAIN HARNESS
49J	L	TO MAIN HARNESS
50J	P	TO MAIN HARNESS
51J	W	TO MAIN HARNESS
52J	R	TO MAIN HARNESS
53J	SB	TO MAIN HARNESS
54J	LG	TO MAIN HARNESS
55J	W	TO MAIN HARNESS
56J	BG	TO MAIN HARNESS
57J	R	TO MAIN HARNESS
58J	V	TO MAIN HARNESS
59J	BR	TO MAIN HARNESS
60J	P	TO MAIN HARNESS
61J	L	TO MAIN HARNESS
62J	P	TO MAIN HARNESS
63J	L	TO MAIN HARNESS
64J	R	TO MAIN HARNESS
65J	L	TO MAIN HARNESS
66J	BG	TO MAIN HARNESS
67J	–	TO MAIN HARNESS
68J	–	TO MAIN HARNESS
69J	G	TO MAIN HARNESS
70J	L	TO MAIN HARNESS
71J	–	TO MAIN HARNESS
72J	–	TO MAIN HARNESS
73J	–	TO MAIN HARNESS
74J	–	TO MAIN HARNESS
75J	–	TO MAIN HARNESS
76J	–	TO MAIN HARNESS
77J	–	TO MAIN HARNESS
78J	–	TO MAIN HARNESS
79J	SHIELD	TO MAIN HARNESS
80J	B	TO MAIN HARNESS
81J	W	TO MAIN HARNESS
82J	–	TO MAIN HARNESS
83J	–	TO MAIN HARNESS
84J	–	TO MAIN HARNESS
85J	–	TO MAIN HARNESS
86J	–	TO MAIN HARNESS
87J	–	TO MAIN HARNESS
88J	–	TO MAIN HARNESS
89J	–	TO MAIN HARNESS
90J	–	TO MAIN HARNESS
91J	–	TO MAIN HARNESS
92J	LG	TO MAIN HARNESS
93J	L	TO MAIN HARNESS
94J	L	TO MAIN HARNESS
95J	BR	TO MAIN HARNESS
96J	–	TO MAIN HARNESS
97J	GR	TO MAIN HARNESS
98J	P	TO MAIN HARNESS
99J	W	TO MAIN HARNESS
100J	Y	TO MAIN HARNESS

Connector No.	E154
Connector Name	APPROACHING VEHICLE SOUND FOR PEDESTRIANS (VSP) CONTROL UNIT
Connector Type	RH10FB
Connector Color	BLACK

H.S.

Terminal No.	Color of Wire	Signal Name
1	P	CAN-L
2	GR	GND
3	LG	BAT
4	–	–
5	–	–
6	L	CAN-H
7	–	–
8	–	–
9	BR	IGN
10	–	–

Connector No.	E160
Connector Name	BATTERY COOLING FAN RELAY
Connector Type	MS02FL-M2-LC
Connector Color	BLUE

H.S.

Terminal No.	Color of Wire	Signal Name
1	P	BATTERY
2	R	FCTL
3	GR	BATTERY
5	L	IGNITION

Connector No.	E217
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	NS08FBR-CS
Connector Color	BROWN

H.S.

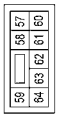
Terminal No.	Color of Wire	Signal Name
49	R	LIGHT DTRL LH
50	L	LIGHT LBEAM LH
51	V	LIGHT FR FOG LAMPS LH
52	R	LI HOOD SW
53	GR	LI LED DETECTION 2
54	LG	LIGHT HBEAM RH
55	–	–
56	BG	LIGHT PARKING FR LH

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BATTERY POWER SUPPLY CONNECTORS

Connector No.	E218
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	NS08FW-CS
Connector Color	WHITE

H.S.



Terminal No.	Color of Wire	Signal Name
57	W	LIGHT FR FOG LAMPS RH
58	R	LIGHT DTRL RH
59	G	LIGHT HBEAM LH
60	Y	LI LED DETECTION 1
61	GR	LIGHT PARKING FR RH
62	SB	LIGHT LBEAM RH
63	-	-
64	-	-

Connector No.	E221
Connector Name	FRONT FOG LAMP RH
Connector Type	FHZ02FB
Connector Color	BLACK

H.S.

Terminal No.	Color of Wire	Signal Name
1	W	O LIGHT FR FOG LAMPS RH
2	GR	GROUND

Connector No.	E222
Connector Name	FRONT FOG LAMP LH
Connector Type	FHZ02FB
Connector Color	BLACK

H.S.

Terminal No.	Color of Wire	Signal Name
1	V	O LIGHT HBEAM LH
2	GR	GROUND

Connector No.	E233
Connector Name	FRONT COMBINATION LAMP RH (WITH HALOGEN HEADLAMPS
Connector Type	RS06FB-PR
Connector Color	BLACK

H.S.

Terminal No.	Color of Wire	Signal Name
4	SB	O LIGHT LBEAM RH
5	B	GROUND
6	-	-
7	-	-
8	B	GROUND
9	W	O LIGHT CLEARANCE FR RH

Connector No.	E234
Connector Name	FRONT COMBINATION LAMP RH (WITH HALOGEN HEADLAMPS)
Connector Type	RS06FGY-PR
Connector Color	GRAY

H.S.

Terminal No.	Color of Wire	Signal Name
10	R	O LIGHT DTRL RH
11	GR	GROUND
12	GR	O LIGHT CLEARANCE FR RH
13	-	-
14	B	GROUND
15	LG	O LIGHT HBEAM RH

Connector No.	E235
Connector Name	FRONT COMBINATION LAMP LH (WITH HALOGEN HEADLAMPS)
Connector Type	RS06FB-PR
Connector Color	BLACK

H.S.

Terminal No.	Color of Wire	Signal Name
4	L	O LIGHT LBEAM LH
5	B	GROUND
6	-	-
7	-	-
8	B	GROUND
9	P	O LIGHT CLEARANCE FR LH

Connector No.	E236
Connector Name	FRONT COMBINATION LAMP LH (WITH HALOGEN HEADLAMPS)
Connector Type	RS06FGY-PR
Connector Color	GRAY

H.S.

Terminal No.	Color of Wire	Signal Name
10	R	O LIGHT DTRL LH
11	GR	GROUND
12	BG	O LIGHT CLEARANCE FR LH
13	-	-
14	B	GROUND
15	G	O LIGHT HBEAM LH

Connector No.	E239
Connector Name	FRONT COMBINATION LAMP LH (WITH LED HEADLAMPS)
Connector Type	RS08FB-PR
Connector Color	BLACK

H.S.

Terminal No.	Color of Wire	Signal Name
4	B	GROUND
5	G	O LIGHT HBEAM LH
6	L	O LIGHT LBEAM LH
7	GR	LI LED DETECTION 2
8	R	O LIGHT DTRL LH
9	BG	O LIGHT CLEARANCE FR LH
10	P	O LIGHT CLEARANCE FR LH
11	B	GROUND

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BATTERY POWER SUPPLY CONNECTORS

Connector No.	E240
Connector Name	FRONT COMBINATION LAMP RH (WITH LED HEADLAMPS)
Connector Type	RS08FB-PR
Connector Color	BLACK

H.S.

Terminal No.	Color of Wire	Signal Name
4	B	GROUND
5	LG	O LIGHT HBEAM RH
6	SB	O LIGHT LBEAM RH
7	Y	LI LED DETECTION 1
8	R	O LIGHT DTRL RH
9	GR	O LIGHT CLEARANCE FR RH
10	W	O LIGHT CLEARANCE FR RH
11	B	GROUND

Connector No.	F3
Connector Name	COOLING FAN CONTROL MODULE 1
Connector Type	FHB04FB
Connector Color	BLACK

H.S.

Terminal No.	Color of Wire	Signal Name
1	B	GND
2	B	PWM POWER
3	–	–
4	BR	PWM SIG

Connector No.	F4
Connector Name	WIRE TO WIRE
Connector Type	Y01FGY
Connector Color	GRAY

H.S.

Terminal No.	Color of Wire	Signal Name
1	W	TO ENGINE ROOM HARNESS

Connector No.	F5
Connector Name	COOLING FAN CONTROL MODULE 2
Connector Type	FHB04FB
Connector Color	BLACK

H.S.

Terminal No.	Color of Wire	Signal Name
1	B	GND
2	B	PWM POWER
3	–	–
4	BR	PWM SIG

Connector No.	F33
Connector Name	WIRE TO WIRE
Connector Type	NS16FBR-CS
Connector Color	BROWN

H.S.

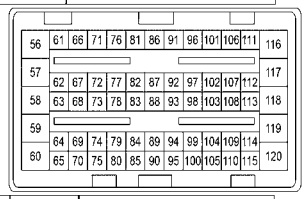
Terminal No.	Color of Wire	Signal Name
1	R	TO ENGINE ROOM HARNESS
2	BG	TO ENGINE ROOM HARNESS
3	B	TO ENGINE ROOM HARNESS
4	B	TO ENGINE ROOM HARNESS
5	B	TO ENGINE ROOM HARNESS
6	GR	TO ENGINE ROOM HARNESS
7	B	TO ENGINE ROOM HARNESS
8	W	TO ENGINE ROOM HARNESS
9	BR	TO ENGINE ROOM HARNESS
10	BR	TO ENGINE ROOM HARNESS
11	L	TO ENGINE ROOM HARNESS
12	Y	TO ENGINE ROOM HARNESS
13	R	TO ENGINE ROOM HARNESS
14	G	TO ENGINE ROOM HARNESS
15	W	TO ENGINE ROOM HARNESS
16	W	TO ENGINE ROOM HARNESS

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BATTERY POWER SUPPLY CONNECTORS

Connector No.	F52
Connector Name	ECM
Connector Type	MAB55FB-MEB10-LH
Connector Color	BLACK

H.S.



Terminal No.	Color of Wire	Signal Name
56	–	–
57	–	–
58	–	–
59	–	–
60	B	ECM GROUND
61	–	–
62	BR	CRANKSHAFT POSITION SENSOR 2
63	W	SENSOR GROUND
64	SHIELD	SHIELD
65	–	–
66	L	SENSOR POWER SUPPLY
67	B	CAMSHAFT POSITION SENSOR
68	–	–
69	BR	EXHAUST VALVE TIMING CONTROL POSITION SENSOR
70	–	–
71	R	SENSOR GROUND
72	B	SENSOR GROUND
73	R	SENSOR POWER SUPPLY
74	W	AIR FUEL RATIO (A/F) SENSOR 1
75	–	–
76	–	–
77	BR	ENGINE INLET COOLANT TEMPERATURE SENSOR
78	B	SENSOR GROUND
79	B	AIR FUEL RATIO (A/F) SENSOR 1
80	W	THROTTLE POSITION SENSOR 2
81	P	ECM RELAY (SELF SHUT-OFF)
82	P	FUEL PUMP RELAY
83	R	SENSOR POWER SUPPLY
84	L	HEATED OXYGEN SENSOR 2
85	B	SENSOR GROUND
86	L	ENGINE COMMUNICATION LINE
87	–	–
88	G	THROTTLE POSITION SENSOR 1
89	–	–
90	–	–
91	–	–
92	–	–
93	–	–
94	GR	ENGINE COOLING ELECTRIC WATER PUMP RELAY
95	LG	IGNITION SIGNAL NO. 2
96	P	IGNITION SIGNAL NO. 1
97	V	THROTTLE CONTROL MOTOR RELAY
98	–	–
99	–	–
100	–	–
101	SB	IGNITION SIGNAL NO. 4
102	–	–
103	–	–
104	Y	IGNITION SIGNAL NO. 3
105	–	–
106	–	–
107	–	–
108	–	–
109	Y	ENGINE COOLING ELECTRIC WATER PUMP DRIVE SIGNAL
110	B	ECM GROUND
111	G	INTAKE VALVE TIMING CONTROL SOLENOID VALVE
112	GR	EXHAUST VALVE TIMING CONTROL SOLENOID VALVE
113	R	POWER SUPPLY FOR ECM (BACK-UP)
114	P	INTAKE VALVE TIMING INTERMEDIATE LOCK CONTROL SOLENOID VALVE
115	L	EVAP CANISTER PURGE VOLUME CONTROL SOLENOID VALVE
116	Y	AIR FUEL RATIO (A/F) SENSOR 1 HEATER
117	G	HEATED OXYGEN SENSOR 2 HEATER
118	LG	THROTTLE CONTROL MOTOR POWER SUPPLY
119	P	THROTTLE CONTROL MOTOR (OPEN)
120	L	THROTTLE CONTROL MOTOR (CLOSE)

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Connector No.	F63
Connector Name	FUEL INJECTOR RELAY
Connector Type	M06FBR-R-LC
Connector Color	BROWN

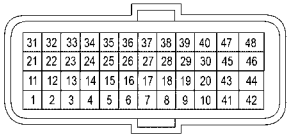
H.S.



Terminal No.	Color of Wire	Signal Name
1	B	GROUND
2	W	IGNITION
3	V	BATTERY
5	P	FUEL INJECTOR POWER SUPPLY-1
6	LG	BATTERY
7	L	FUEL INJECTOR POWER SUPPLY-2

Connector No.	F75
Connector Name	TCM (TRANSMISSION CONTROL MODULE)
Connector Type	RH40FB-RZ8-L-LH
Connector Color	BLACK

H.S.



Terminal No.	Color of Wire	Signal Name
1	–	–
2	SB	L RANGE SW
3	LG	CLUTCH 2 TEMP SENSOR
4	Y	D RANGE SW
5	R	N RANGE SW
6	G	R RANGE SW
7	V	P RANGE SW
8	–	–
9	–	–
10	–	–
11	W	SENSOR GND
12	LG	CVT FLUID TEMP SENS
13	–	–
14	–	–
15	B	SENSOR GND
16	R	SEC PRESS SENS
17	L	PRI PRESS SENS
18	–	–
19	–	–
20	–	–
21	–	–
22	–	–
23	G	HEV CAN–L
24	–	–
25	W	EOP SIG
26	P	SENS PWR SUPPLY
27	–	–
28	–	–
29	–	–
30	BR	LINE PRESS SOL VALVE
31	–	–
32	P	EOP STATE
33	L	HEV CAN–H
34	R	OUTPUT SPEED SENS
35	LG	PRI SPEED SENS
36	–	–
37	BG	SELECT SOL VALVE
38	GR	TCC SOL VALVE
39	SB	SEC PRESS SOL VALVE
40	V	PRI PRESS SOL VALVE
41	B	GND
42	B	GND
43	–	–
44	–	–
45	LG	BATT
46	LG	BATT
47	R	VIGN
48	R	VIGN

Connector No.	F210
Connector Name	STARTER MOTOR
Connector Type	24340-JG04B
Connector Color	-

H.S.



Terminal No.	Color of Wire	Signal Name
B	B/R	BATTERY

BATTERY POWER SUPPLY CONNECTORS

Connector No.	F219
Connector Name	HIGH VOLTAGE FUSE, FUSIBLE LINK AND RELAY BOX
Connector Type	24340_BB60A
Connector Color	-

H.S.

2

Terminal No.	Color of Wire	Signal Name
2	B/R	BATTERY

Connector No.	H4
Connector Name	DC/DC CONVERTER
Connector Type	24340_CG000
Connector Color	-

H.S.

5

Terminal No.	Color of Wire	Signal Name
5	B/Y	12V BATTERY VOLTAGE

Connector No.	H10
Connector Name	HIGH VOLTAGE FUSE, FUSIBLE LINK AND RELAY BOX
Connector Type	24340_JA04D
Connector Color	-

H.S.

1

Terminal No.	Color of Wire	Signal Name
1	B	BATTERY

Connector No.	H11
Connector Name	FUSIBLE LINK BOX (BATTERY)
Connector Type	24340_1MG2B
Connector Color	-

H.S.

5

Terminal No.	Color of Wire	Signal Name
5	B/Y	BATTERY

Connector No.	H12
Connector Name	FUSIBLE LINK BOX (BATTERY)
Connector Type	24340_79906
Connector Color	-

H.S.

6

Terminal No.	Color of Wire	Signal Name
6	B	BATTERY

Connector No.	M8
Connector Name	WIRE TO WIRE
Connector Type	M04FW-LC
Connector Color	WHITE

H.S.

2 1
4 3

Terminal No.	Color of Wire	Signal Name
1	SB	TO BODY NO. 2 HARNESS
2	-	TO BODY NO. 2 HARNESS
3	-	TO BODY NO. 2 HARNESS

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4	L	TO BODY NO. 2 HARNESS

Connector No.	M12
Connector Name	ROOM LAMP RELAY
Connector Type	MS02FL-M2-LC
Connector Color	BLUE

H.S.

3
5
2 1

Terminal No.	Color of Wire	Signal Name
1	W	BATTERY
2	P	RELAY CONTROL
3	LG	BATTERY
5	V	ROOM LAMP RELAY OUTPUT

Connector No.	M20
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	NS16FBR-CS
Connector Color	BROWN

H.S.

167	166	165	164		163	162	161
176	175	174	173	172	171	170	169	168

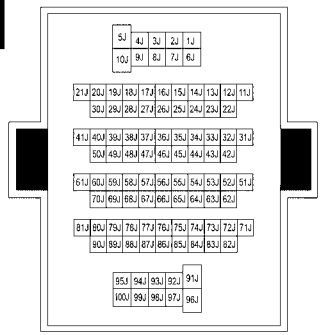
Terminal No.	Color of Wire	Signal Name
161	W	PWR ECU
162	SB	PWM ROOMLAMP 1
163	L	AS LOCK OR UNLOCK D
164	-	-
165	V	DR OR FR LOCK D
166	-	-
167	LA/V	PWR DOORLOCK1
168	BG	PWR FLASHERS
169	GR	PWR STOP LAMP
170	B	GND1
171	B	GND2
172	G	FR OR DR UNLOCK D
173	-	-
174	-	-
175	R	PWR DOORLOCK2

176	LG	PWR WIPER

BATTERY POWER SUPPLY CONNECTORS

Connector No.	M31
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4
Connector Color	WHITE

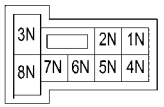
H.S.



Terminal No.	Color of Wire	Signal Name
1J	–	TO ENGINE ROOM HARNESS
2J	R	TO ENGINE ROOM HARNESS
3J	–	TO ENGINE ROOM HARNESS
4J	–	TO ENGINE ROOM HARNESS
5J	–	TO ENGINE ROOM HARNESS
6J	–	TO ENGINE ROOM HARNESS
7J	–	TO ENGINE ROOM HARNESS
8J	–	TO ENGINE ROOM HARNESS
9J	W	TO ENGINE ROOM HARNESS
10J	–	TO ENGINE ROOM HARNESS
11J	–	TO ENGINE ROOM HARNESS
12J	–	TO ENGINE ROOM HARNESS
13J	–	TO ENGINE ROOM HARNESS
14J	–	TO ENGINE ROOM HARNESS
15J	–	TO ENGINE ROOM HARNESS
16J	–	TO ENGINE ROOM HARNESS
17J	–	TO ENGINE ROOM HARNESS
18J	–	TO ENGINE ROOM HARNESS
19J	–	TO ENGINE ROOM HARNESS
20J	–	TO ENGINE ROOM HARNESS
21J	LA/L	TO ENGINE ROOM HARNESS
22J	SHIELD	TO ENGINE ROOM HARNESS
23J	LG	TO ENGINE ROOM HARNESS
24J	V	TO ENGINE ROOM HARNESS
25J	L	TO ENGINE ROOM HARNESS
26J	BR	TO ENGINE ROOM HARNESS
27J	G	TO ENGINE ROOM HARNESS
28J	Y	TO ENGINE ROOM HARNESS
29J	L	TO ENGINE ROOM HARNESS
30J	V	TO ENGINE ROOM HARNESS
31J	–	TO ENGINE ROOM HARNESS
32J	–	TO ENGINE ROOM HARNESS
33J	R	TO ENGINE ROOM HARNESS
33J	Y	TO ENGINE ROOM HARNESS - (WITH DRIVER ASSISTNACE SYSTEM)
34J	L	TO ENGINE ROOM HARNESS
35J	BG	TO ENGINE ROOM HARNESS
36J	GR	TO ENGINE ROOM HARNESS
37J	Y	TO ENGINE ROOM HARNESS
38J	LA/BR	TO ENGINE ROOM HARNESS
39J	–	TO ENGINE ROOM HARNESS
40J	–	TO ENGINE ROOM HARNESS
41J	LA/R	TO ENGINE ROOM HARNESS
42J	W	TO ENGINE ROOM HARNESS
43J	L	TO ENGINE ROOM HARNESS
44J	B	TO ENGINE ROOM HARNESS
45J	SB	TO ENGINE ROOM HARNESS
46J	BR	TO ENGINE ROOM HARNESS
47J	W	TO ENGINE ROOM HARNESS
48J	R	TO ENGINE ROOM HARNESS
49J	SB	TO ENGINE ROOM HARNESS
50J	GR	TO ENGINE ROOM HARNESS
51J	W	TO ENGINE ROOM HARNESS
52J	R	TO ENGINE ROOM HARNESS
53J	BR	TO ENGINE ROOM HARNESS
54J	LG	TO ENGINE ROOM HARNESS
55J	LA/Y	TO ENGINE ROOM HARNESS
56J	LA/V	TO ENGINE ROOM HARNESS
57J	LA/R	TO ENGINE ROOM HARNESS
58J	W	TO ENGINE ROOM HARNESS
59J	BR	TO ENGINE ROOM HARNESS
60J	P	TO ENGINE ROOM HARNESS
61J	L	TO ENGINE ROOM HARNESS
62J	R	TO ENGINE ROOM HARNESS
63J	L	TO ENGINE ROOM HARNESS
64J	R	TO ENGINE ROOM HARNESS
65J	L	TO ENGINE ROOM HARNESS
66J	BG	TO ENGINE ROOM HARNESS
67J	–	TO ENGINE ROOM HARNESS
68J	–	TO ENGINE ROOM HARNESS
69J	G	TO ENGINE ROOM HARNESS
70J	L	TO ENGINE ROOM HARNESS
71J	–	TO ENGINE ROOM HARNESS
72J	–	TO ENGINE ROOM HARNESS
73J	–	TO ENGINE ROOM HARNESS
74J	–	TO ENGINE ROOM HARNESS
75J	–	TO ENGINE ROOM HARNESS
76J	–	TO ENGINE ROOM HARNESS
77J	–	TO ENGINE ROOM HARNESS
78J	–	TO ENGINE ROOM HARNESS
79J	SHIELD	TO ENGINE ROOM HARNESS
80J	B	TO ENGINE ROOM HARNESS
81J	W	TO ENGINE ROOM HARNESS
82J	–	TO ENGINE ROOM HARNESS
83J	–	TO ENGINE ROOM HARNESS
84J	–	TO ENGINE ROOM HARNESS
85J	–	TO ENGINE ROOM HARNESS
86J	–	TO ENGINE ROOM HARNESS
87J	–	TO ENGINE ROOM HARNESS
88J	–	TO ENGINE ROOM HARNESS
89J	–	TO ENGINE ROOM HARNESS
90J	–	TO ENGINE ROOM HARNESS
91J	–	TO ENGINE ROOM HARNESS
92J	Y	TO ENGINE ROOM HARNESS
93J	G	TO ENGINE ROOM HARNESS
94J	L	TO ENGINE ROOM HARNESS
95J	P	TO ENGINE ROOM HARNESS
96J	–	TO ENGINE ROOM HARNESS
97J	SB	TO ENGINE ROOM HARNESS
98J	P	TO ENGINE ROOM HARNESS
99J	LA/R	TO ENGINE ROOM HARNESS
100J	R	TO ENGINE ROOM HARNESS

Connector No.	M33
Connector Name	FUSE BLOCK (J/B)
Connector Type	CS06FW-M2
Connector Color	WHITE

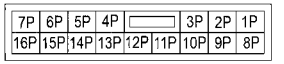
H.S.



Terminal No.	Color of Wire	Signal Name
1N	L	ACCESSORY RELAY 1 OUTPUT
2N	LG	BATTERY
3N	Y	FRONT BLOWER MOTOR RELAY OUTPUT
4N	LG	BATTERY
5N	R	BATTERY
6N	BG	BATTERY
7N	BR	ACCESSORY RELAY-1 CONTROL
8N	SB	FRONT BLOWER MOTOR RELAY OUTPUT

Connector No.	M44
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS16FW-CS
Connector Color	WHITE

H.S.



Terminal No.	Color of Wire	Signal Name
1P	R	IGNITION
2P	G	IGNITION
3P	Y	IGNITION RELAY-2 CONTROL
4P	LG	REAR WINDOW DEFOGGER RELAY OUTPUT
5P	GR	REAR WINDOW DEFOGGER RELAY OUTPUT
6P	LA/R	REAR WINDOW DEFOGGER RELAY CONTROL
7P	Y	IGNITION
8P	V	IGNITION
9P	L	BATTERY
10P	LG	IGNITION
11P	–	–
12P	–	–
13P	G	BATTERY
14P	–	–
15P	L	BATTERY
16P	LA/W	FRONT BLOWER MOTOR RELAY CONTROL

Connector No.	M48
Connector Name	EPS CONTROL UNIT
Connector Type	L02FB-MC
Connector Color	BLACK

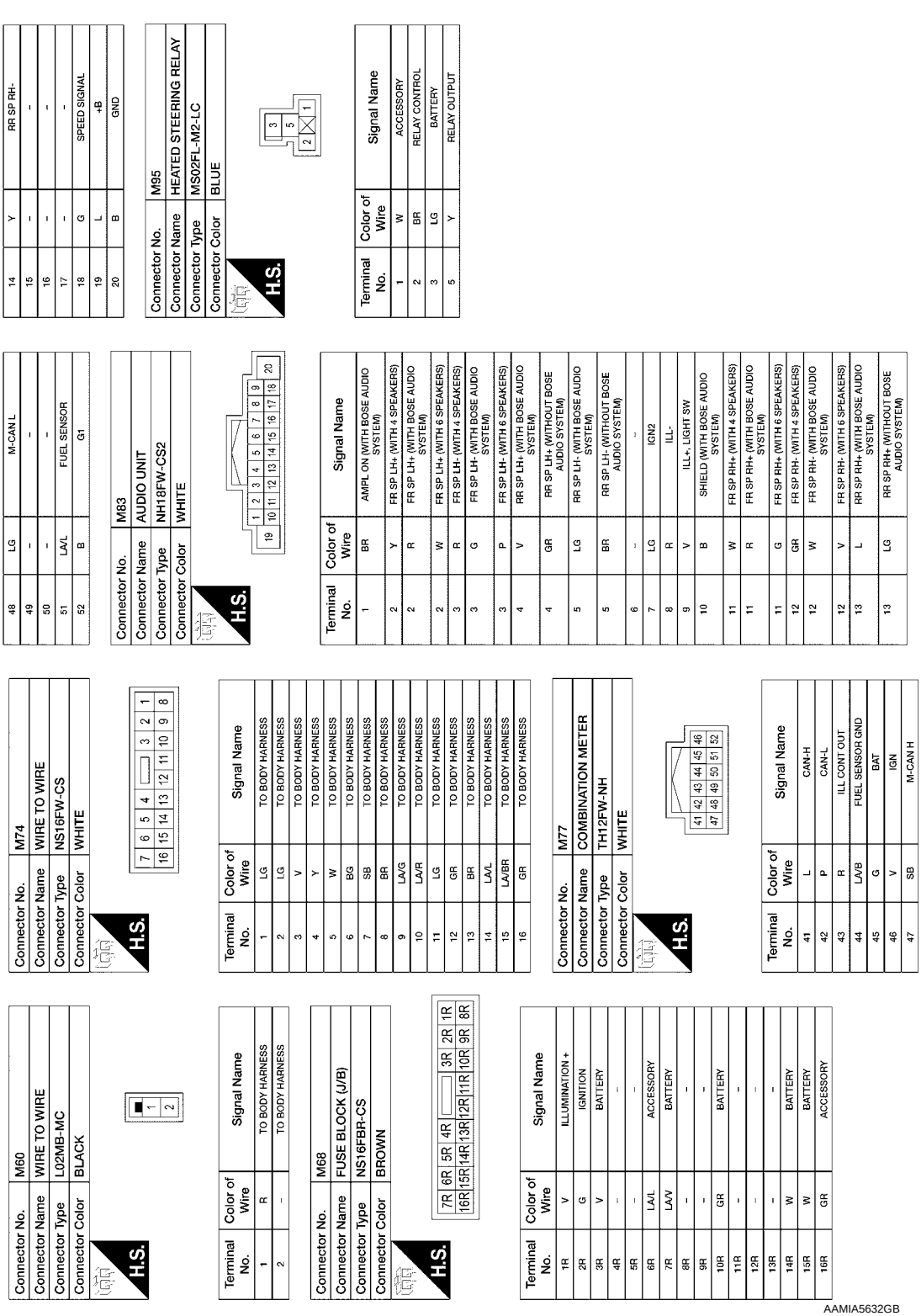
H.S.



Terminal No.	Color of Wire	Signal Name
9	R	BATTERY +
10	B	GND

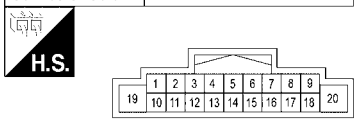
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BATTERY POWER SUPPLY CONNECTORS



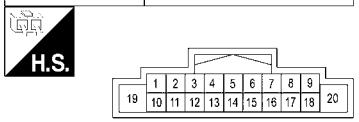
BATTERY POWER SUPPLY CONNECTORS

Connector No.	M101
Connector Name	AV CONTROL UNIT (WITHOUT BOSE AUDIO SYSTEM)
Connector Type	NH18FW-CS2
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
1	–	–
2	W	FR SP LH (+)
3	P	FR SP LH (-)
4	GR	RR SP LH (+)
5	BR	RR SP LH (-)
6	–	–
7	W	ACC
8	L	CAN-H
9	V	ILL (+), LIGHT SW
10	–	–
11	G	FR SP RH (+)
12	V	FR SP RH (-)
13	LG	RR SP RH (+)
14	Y	RR SP RH (-)
15	–	–
16	–	–
17	R	CAN-L
18	G	SPEED SIGNAL
19	L	BAT
20	B	GND

Connector No.	M108
Connector Name	AV CONTROL UNIT (WITH BOSE AUDIO SYSTEM)
Connector Type	NH18FW-CS2
Connector Color	WHITE



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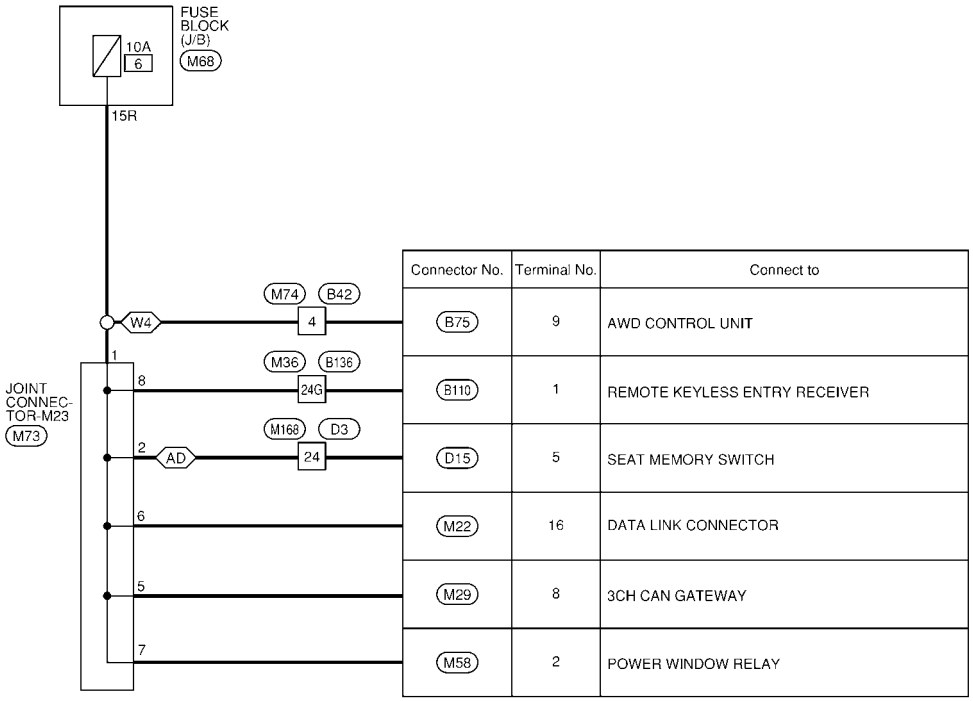
Terminal No.	Color of Wire	Signal Name
1	BR	AMP ON
2	R	FR SP LH (+)
3	G	FR SP LH (-)
4	V	RR SP LH (+)
5	LG	RR SP LH (-)
6	–	–
7	W	ACC
8	L	CAN-H
9	V	ILL (+), LIGHT SW
10	B	PRE AMP SHIELD
11	R	FR SP RH (+)
12	W	FR SP RH (-)
13	L	RR SP RH (+)
14	Y	RR SP RH (-)
15	–	–
16	–	–
17	R	CAN-L
18	G	SPEED SIGNAL
19	L	BAT
20	B	GND

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 6 -

INFOID:0000000015219423

BATTERY POWER SUPPLY FUSE No. 6

AD : WITH AUTOMATIC DRIVE POSITIONER
W4 : WITH ALL WHEEL DRIVE



Connector No.	Terminal No.	Connect to
B75	9	AWD CONTROL UNIT
B110	1	REMOTE KEYLESS ENTRY RECEIVER
D15	5	SEAT MEMORY SWITCH
M22	16	DATA LINK CONNECTOR
M29	8	3CH CAN GATEWAY
M58	2	POWER WINDOW RELAY

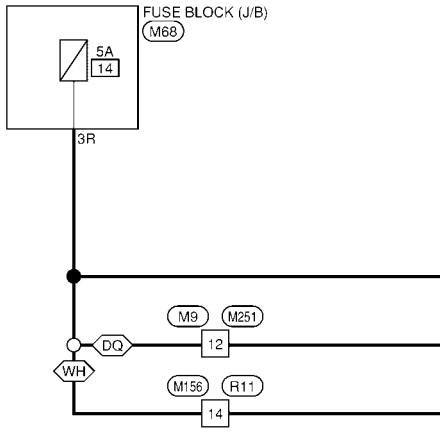
AAMIA6173GB

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 14 -

INFOID:0000000015219424

BATTERY POWER SUPPLY FUSE No. 14

DQ : WITH DRIVER ASSISTANCE SYSTEM
WH : WITH HOMELINK® UNIVERSAL TRANSCEIVER



Connector No.	Terminal No.	Connect to
M19	95	BCM (BODY CONTROL MODULE)
M255	5	WARNING SYSTEM SWITCH
R7	10	AUTO ANTI-DAZZLING INSIDE MIRROR

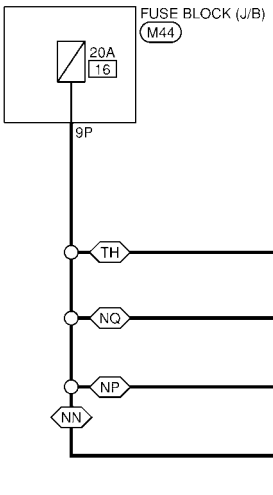
AAMIA5634GB

Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 16 -

INFOID:0000000015219468

BATTERY POWER SUPPLY FUSE No. 16

NN : WITH NAVIGATION SYSTEM AND BOSE AUDIO SYSTEM
NP : WITH NAVIGATION SYSTEM WITHOUT BOSE AUDIO SYSTEM
NQ : WITH DISPLAY AUDIO SYSTEM
TH : WITH TELEMATICS SYSTEM



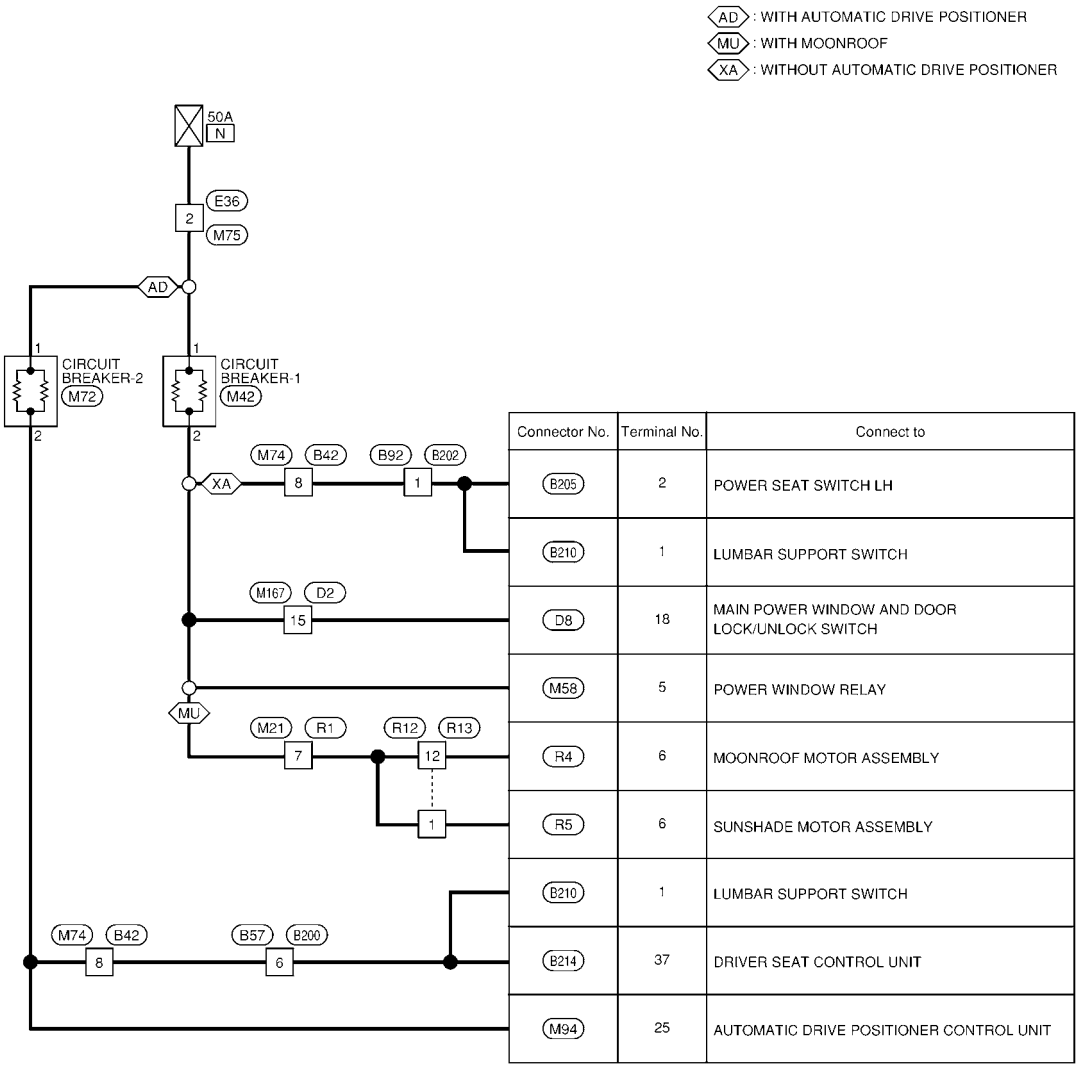
Connector No.	Terminal No.	Connect to
M35	1	TCU
M83	19	AUDIO UNIT
M101	19	AV CONTROL UNIT (WITHOUT BOSE AUDIO SYSTEM)
M108	19	AV CONTROL UNIT (WITH BOSE AUDIO SYTEM)

AAMIA5636GB

Wiring Diagram - BATTERY POWER SUPPLY FUSIBLE LINK No. N -

INFOID:0000000015219469

BATTERY POWER SUPPLY FUSIBLE LINK No. N



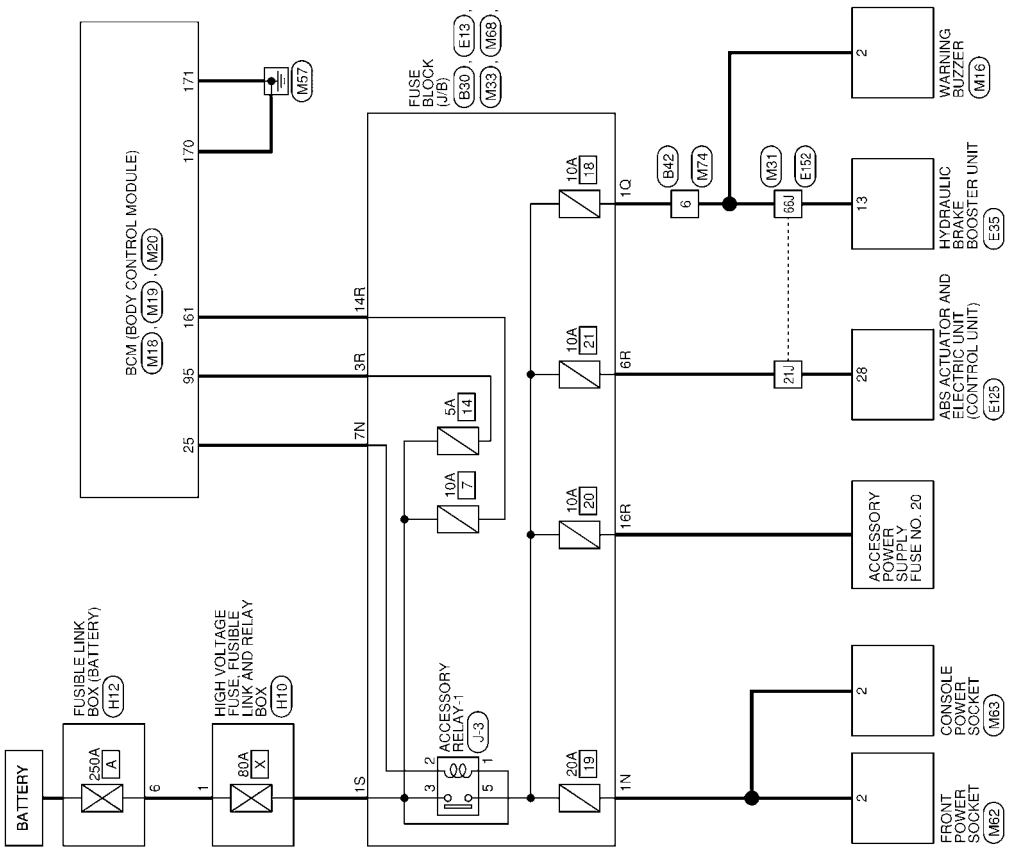
Connector No.	Terminal No.	Connect to
B205	2	POWER SEAT SWITCH LH
B210	1	LUMBAR SUPPORT SWITCH
D8	18	MAIN POWER WINDOW AND DOOR LOCK/UNLOCK SWITCH
M58	5	POWER WINDOW RELAY
R4	6	MOONROOF MOTOR ASSEMBLY
R5	6	SUNSHADE MOTOR ASSEMBLY
B210	1	LUMBAR SUPPORT SWITCH
B214	37	DRIVER SEAT CONTROL UNIT
M94	25	AUTOMATIC DRIVE POSITIONER CONTROL UNIT

AAMIA5637GB

Wiring Diagram - ACCESSORY POWER SUPPLY -

INFOID:0000000014622704

ACCESSORY POWER SUPPLY



AAMWA2487GB

ACCESSORY POWER SUPPLY CONNECTORS

Connector No.	B30
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS08FW-CS
Connector Color	WHITE

H.S.

3Q		2Q	1Q
8Q	7Q	6Q	5Q	4Q

Terminal No.	Color of Wire	Signal Name
1Q	BG	ACCESSORY
2Q	BR	IGNITION
3Q	R	BATTERY
4Q	–	–
5Q	–	–
6Q	LA/L	BATTERY
7Q	–	–
8Q	–	–

Connector No.	B42
Connector Name	WIRE TO WIRE
Connector Type	NS16MW-CS
Connector Color	WHITE

H.S.

1	2	3		4	5	6	7
8	9	10	11	12	13	14	15	16

Terminal No.	Color of Wire	Signal Name
1	LG	TO MAIN HARNESS
2	LG	TO MAIN HARNESS
3	V	TO MAIN HARNESS
4	LA/G	TO MAIN HARNESS
5	W	TO MAIN HARNESS
6	BG	TO MAIN HARNESS
7	LA/R	TO MAIN HARNESS
8	LA/GR	TO MAIN HARNESS (WITH AUTOMATIC DRIVE POSITIONER)
8	LA/G	TO MAIN HARNESS (WITHOUT AUTOMATIC DRIVE POSITIONER)
9	LA/P	TO MAIN HARNESS
10	LA/R	TO MAIN HARNESS
11	LA/V	TO MAIN HARNESS
12	LA/Y	TO MAIN HARNESS

13	LA/GR	TO MAIN HARNESS
14	LA/BG	TO MAIN HARNESS
15	LA/BR	TO MAIN HARNESS
16	R	TO MAIN HARNESS

Connector No.	E13
Connector Name	FUSE BLOCK (J/B)
Connector Type	L01FW-MC
Connector Color	WHITE

H.S.

1S

Terminal No.	Color of Wire	Signal Name
1S	G	BATTERY

Connector No.	E35
Connector Name	HYDRAULIC BRAKE BOOSTER UNIT
Connector Type	SAZ30FB-SJZ4-D
Connector Color	BLACK

H.S.

1	2		
5	15	15	
6	16	26	
7	17	27	
8	18	28	
9	19	29	
10	20	30	
11	21	31	
12	22	32	
13	23	33	
14	24	34	
3	4		

Terminal No.	Color of Wire	Signal Name
1	B	GND1
2	B	GND2
3	R	BM1
4	G	BM2
5	–	–
6	–	–
7	W	BZ
8	–	–
9	L	CAN-H
10	R	CAN-L
11	–	–
12	–	–

13	BG	ACC
14	V	IG
15	–	–
16	–	–
17	–	–
18	–	–
19	–	–
20	–	–
21	–	–
22	–	–
23	–	–
24	–	–
25	–	–
26	–	–
27	–	–
28	–	–
29	–	–
30	–	–
31	–	–
32	–	–
33	–	–
34	–	–

Connector No.	E125
Connector Name	ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)
Connector Type	SAZ34FB-HS2-SJZ2-DH
Connector Color	BLACK

H.S.

2	16	15	14	13	12	11	10	9	8	7	6	5	1
4	27	26	25	24	23	22	21	20	19	18	17		3
	38	37	36	35	34	33	32	31	30	29	28		

Terminal No.	Color of Wire	Signal Name
1	BR	UB VR
2	B	GND MR
3	Y	UB MR
4	B	GND ECU
5	–	–
6	–	–
7	–	–
8	W	SKS1 (S1)
9	BR	VDC OFF
10	G	SKS2 (S2)
11	V	WSP FR
12	SB	WSS FR
13	BR	WSP RL

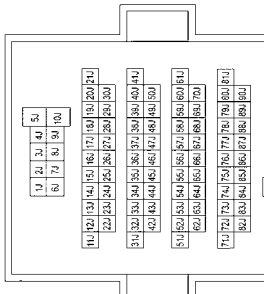
14	G	WSS RL
15	–	–
16	–	–
17	–	–
18	–	–
19	L	CAN- H
20	–	–
21	–	–
22	–	–
23	W	WSP FL
24	P	WSS FL
25	BG	WSP RR
26	LG	WSS RR
27	–	–
28	GR	WAU
29	–	–
30	P	CAN- L
31	B	VSSG (GND)
32	–	–
33	R	ASSM (VCC)
35	–	–
36	–	–
37	–	–
38	–	–

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ACCESSORY POWER SUPPLY CONNECTORS

Connector No.	E152
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4
Connector Color	WHITE

H.S.



Terminal No.	Color of Wire	Signal Name
1J	–	TO MAIN HARNESS
2J	Y	TO MAIN HARNESS
3J	–	TO MAIN HARNESS
4J	–	TO MAIN HARNESS
5J	–	TO MAIN HARNESS
6J	–	TO MAIN HARNESS
7J	–	TO MAIN HARNESS
8J	–	TO MAIN HARNESS
9J	BR	TO MAIN HARNESS
10J	–	TO MAIN HARNESS
11J	–	TO MAIN HARNESS
12J	–	TO MAIN HARNESS
13J	–	TO MAIN HARNESS
14J	–	TO MAIN HARNESS
15J	–	TO MAIN HARNESS
16J	–	TO MAIN HARNESS
17J	–	TO MAIN HARNESS
18J	–	TO MAIN HARNESS
19J	–	TO MAIN HARNESS
20J	–	TO MAIN HARNESS
21J	GR	TO MAIN HARNESS
22J	SHIELD	TO MAIN HARNESS
23J	LG	TO MAIN HARNESS
24J	V	TO MAIN HARNESS
25J	L	TO MAIN HARNESS
26J	BR	TO MAIN HARNESS
27J	G	TO MAIN HARNESS

28J	R	TO MAIN HARNESS
29J	L	TO MAIN HARNESS
30J	V	TO MAIN HARNESS
31J	–	TO MAIN HARNESS
32J	–	TO MAIN HARNESS
33J	R	TO MAIN HARNESS
34J	L	TO MAIN HARNESS
35J	BG	TO MAIN HARNESS
36J	LG	TO MAIN HARNESS
37J	GR	TO MAIN HARNESS
38J	BR	TO MAIN HARNESS
39J	–	TO MAIN HARNESS
40J	–	TO MAIN HARNESS
41J	G	TO MAIN HARNESS
42J	W	TO MAIN HARNESS
43J	L	TO MAIN HARNESS
44J	B	TO MAIN HARNESS
45J	SB	TO MAIN HARNESS
46J	BR	TO MAIN HARNESS
47J	W	TO MAIN HARNESS
48J	W	TO MAIN HARNESS
49J	L	TO MAIN HARNESS
50J	P	TO MAIN HARNESS
51J	W	TO MAIN HARNESS
52J	R	TO MAIN HARNESS
53J	SB	TO MAIN HARNESS
54J	LG	TO MAIN HARNESS
55J	W	TO MAIN HARNESS
56J	BG	TO MAIN HARNESS
57J	R	TO MAIN HARNESS
58J	V	TO MAIN HARNESS
59J	BR	TO MAIN HARNESS
60J	P	TO MAIN HARNESS
61J	L	TO MAIN HARNESS
62J	P	TO MAIN HARNESS
63J	L	TO MAIN HARNESS
64J	R	TO MAIN HARNESS
65J	L	TO MAIN HARNESS
66J	BG	TO MAIN HARNESS
67J	–	TO MAIN HARNESS
68J	–	TO MAIN HARNESS
69J	G	TO MAIN HARNESS
70J	L	TO MAIN HARNESS
71J	–	TO MAIN HARNESS
72J	–	TO MAIN HARNESS
73J	–	TO MAIN HARNESS
74J	–	TO MAIN HARNESS
75J	–	TO MAIN HARNESS
76J	–	TO MAIN HARNESS
77J	–	TO MAIN HARNESS
78J	–	TO MAIN HARNESS
79J	SHIELD	TO MAIN HARNESS
80J	B	TO MAIN HARNESS

81J	W	TO MAIN HARNESS
82J	–	TO MAIN HARNESS
83J	–	TO MAIN HARNESS
84J	–	TO MAIN HARNESS
85J	–	TO MAIN HARNESS
86J	–	TO MAIN HARNESS
87J	–	TO MAIN HARNESS
88J	–	TO MAIN HARNESS
89J	–	TO MAIN HARNESS
90J	–	TO MAIN HARNESS
91J	–	TO MAIN HARNESS
92J	LG	TO MAIN HARNESS
93J	L	TO MAIN HARNESS
94J	L	TO MAIN HARNESS
95J	BR	TO MAIN HARNESS
96J	–	TO MAIN HARNESS
97J	GR	TO MAIN HARNESS
98J	P	TO MAIN HARNESS
99J	W	TO MAIN HARNESS
100J	Y	TO MAIN HARNESS

Connector No.	H10
Connector Name	HIGH VOLTAGE FUSE, FUSIBLE LINK AND RELAY BOX
Connector Type	24340_JA04D
Connector Color	–

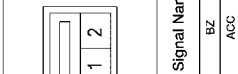
H.S.



Terminal No.	Color of Wire	Signal Name
1	B	BATTERY

Connector No.	H12
Connector Name	FUSIBLE LINK BOX (BATTERY)
Connector Type	24340_79906
Connector Color	–

H.S.



Terminal No.	Color of Wire	Signal Name
6	B	BATTERY

Connector No.	M16
Connector Name	WARNING BUZZER
Connector Type	TK02FBR
Connector Color	BROWN

H.S.

Terminal No.	Color of Wire	Signal Name
1	W	BZ
2	BG	ACC

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ACCESSORY POWER SUPPLY CONNECTORS

Connector No.	M18
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FGY-NH
Connector Color	GRAY

H.S.

20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21

Terminal No.	Color of Wire	Signal Name
1	L	LIN 3 D
2	LA/G	DI FR LEFT D
3	LA/Y	DI FR RIGHT D
4	P	SPARE4 RL N
5	R	CAN-L
6	L	CAN-H
7	–	–
8	L	CAN-H
9	R	CAN-L
10	BG	DOORLOCK SW
11	Y	HAZARD SW D
12	W	PWR AUTOLIGHT SENSOR
13	–	–
14	–	–
15	–	–
16	–	–
17	L	PWR ATDVC
18	–	–
19	LG	AUTOLIGHT SENSOR
20	–	–
21	–	–
22	–	–
23	G	WL AUTHORIZATION RL
24	LA/R	DEFROSTER RL D
25	BR	BAT TEMP1 RL
26	–	–
27	Y	IGN1 RL
28	LA/W	IGN2 RL
29	–	–
30	V	GND AUTOLIGHT SENSOR
31	–	–
32	–	–
33	LG	CSW 5
34	Y	CSW 5
35	BG	SECURITY LED
36	G	CSW 3
37	GR	CSW 4
38	V	CSW 1
39	W	CSW 2
40	SB	DOORUNLOCK SW

Connector No.	M19
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FB-NH
Connector Color	BLACK

H.S.

100	99	98	97	96	95	94	93	92	91	90	89	88	87	86	85	84	83	82	81
120	119	118	117	116	115	114	113	112	111	110	109	108	107	106	105	104	103	102	101

Terminal No.	Color of Wire	Signal Name
81	–	–
82	W	SES FR HANDLE BUTTON SW
83	–	–
84	BR	CSW 2
85	SB	CSW 1
86	P	CSW 3
87	BG	CSW 4
88	W	START SW BACKLIGHT LED
89	Y	START WO ESCL SW
90	–	–
91	–	–
92	BR	KEY CYLINDER LOCK SW
93	P	KEY CYLINDER UNLOCK SW
94	G	AT LOCKED IN PARK SW
95	V	SHORTING PIN
96	–	–
97	–	–
98	–	–
99	–	–
100	V	SES EXT DR ANTENNA A
101	–	–
102	–	–
103	–	–
104	R	DR KNOB SW
105	Y	SES DR HANDLE BUTTON SW
106	W	AUTO ACC2
107	–	–
108	–	–
109	–	–
110	BG	MR OUTPUT
111	–	–
112	–	–
113	–	–
114	Y	IMMOBILIZER KAZASHI B
115	W	IMMOBILIZER KAZASHI A
116	BG	SES INT FRONT ANTENNA B
117	GR	SES INT FRONT ANTENNA A
118	SB	SES EXT AS ANTENNA B
119	P	SES EXT AS ANTENNA A
120	BR	SES EXT DR ANTENNA B

Connector No.	M20
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	NS16FBR-CS
Connector Color	BROWN

H.S.

167	166	165	164		163	162	161
176	175	174	173	172	171	170	169

Terminal No.	Color of Wire	Signal Name
161	W	PWR ECU
162	SB	PWM ROOMLAMP 1
163	L	AS LOCK OR UNLOCK D
164	–	–
165	V	DR OR FR LOCK D
166	–	–
167	LA/V	PWR DOORLOCK1
168	BG	PWR FLASHERS
169	GR	PWR STOP LAMP
170	B	GND1
171	B	GND2
172	G	FR OR DR UNLOCK D
173	–	–
174	–	–
175	R	PWR DOORLOCK2
176	LG	PWR WIPER

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ACCESSORY POWER SUPPLY CONNECTORS

Connector No.	M31
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
1J	–	TO ENGINE ROOM HARNESS
2J	R	TO ENGINE ROOM HARNESS
3J	–	TO ENGINE ROOM HARNESS
4J	–	TO ENGINE ROOM HARNESS
5J	–	TO ENGINE ROOM HARNESS
6J	–	TO ENGINE ROOM HARNESS
7J	–	TO ENGINE ROOM HARNESS
8J	–	TO ENGINE ROOM HARNESS
9J	W	TO ENGINE ROOM HARNESS
10J	–	TO ENGINE ROOM HARNESS
11J	–	TO ENGINE ROOM HARNESS
12J	–	TO ENGINE ROOM HARNESS
13J	–	TO ENGINE ROOM HARNESS
14J	–	TO ENGINE ROOM HARNESS
15J	–	TO ENGINE ROOM HARNESS
16J	–	TO ENGINE ROOM HARNESS
17J	–	TO ENGINE ROOM HARNESS
18J	–	TO ENGINE ROOM HARNESS
19J	–	TO ENGINE ROOM HARNESS
20J	–	TO ENGINE ROOM HARNESS
21J	LA/L	TO ENGINE ROOM HARNESS
22J	SHIELD	TO ENGINE ROOM HARNESS
23J	LG	TO ENGINE ROOM HARNESS
24J	V	TO ENGINE ROOM HARNESS
25J	L	TO ENGINE ROOM HARNESS
26J	BR	TO ENGINE ROOM HARNESS
27J	G	TO ENGINE ROOM HARNESS
28J	Y	TO ENGINE ROOM HARNESS
29J	L	TO ENGINE ROOM HARNESS
30J	V	TO ENGINE ROOM HARNESS
31J	–	TO ENGINE ROOM HARNESS
32J	–	TO ENGINE ROOM HARNESS
33J	R	TO ENGINE ROOM HARNESS
33J	Y	TO ENGINE ROOM HARNESS - (WITH DRIVER ASSISTNACE SYSTEM)
34J	L	TO ENGINE ROOM HARNESS
35J	BG	TO ENGINE ROOM HARNESS
36J	GR	TO ENGINE ROOM HARNESS
37J	Y	TO ENGINE ROOM HARNESS
38J	LA/BR	TO ENGINE ROOM HARNESS
39J	–	TO ENGINE ROOM HARNESS
40J	–	TO ENGINE ROOM HARNESS
41J	LA/R	TO ENGINE ROOM HARNESS
42J	W	TO ENGINE ROOM HARNESS
43J	L	TO ENGINE ROOM HARNESS
44J	B	TO ENGINE ROOM HARNESS
45J	SB	TO ENGINE ROOM HARNESS
46J	BR	TO ENGINE ROOM HARNESS
47J	W	TO ENGINE ROOM HARNESS
48J	R	TO ENGINE ROOM HARNESS
49J	SB	TO ENGINE ROOM HARNESS
50J	GR	TO ENGINE ROOM HARNESS
51J	W	TO ENGINE ROOM HARNESS
52J	R	TO ENGINE ROOM HARNESS
53J	BR	TO ENGINE ROOM HARNESS
54J	LG	TO ENGINE ROOM HARNESS
55J	LA/Y	TO ENGINE ROOM HARNESS
56J	LA/V	TO ENGINE ROOM HARNESS
57J	LA/R	TO ENGINE ROOM HARNESS
58J	W	TO ENGINE ROOM HARNESS
59J	BR	TO ENGINE ROOM HARNESS
60J	P	TO ENGINE ROOM HARNESS
61J	L	TO ENGINE ROOM HARNESS
62J	R	TO ENGINE ROOM HARNESS
63J	L	TO ENGINE ROOM HARNESS
64J	R	TO ENGINE ROOM HARNESS
65J	L	TO ENGINE ROOM HARNESS
66J	BG	TO ENGINE ROOM HARNESS
67J	–	TO ENGINE ROOM HARNESS
68J	–	TO ENGINE ROOM HARNESS
69J	G	TO ENGINE ROOM HARNESS
70J	L	TO ENGINE ROOM HARNESS
71J	–	TO ENGINE ROOM HARNESS
72J	–	TO ENGINE ROOM HARNESS
73J	–	TO ENGINE ROOM HARNESS
74J	–	TO ENGINE ROOM HARNESS
75J	–	TO ENGINE ROOM HARNESS
76J	–	TO ENGINE ROOM HARNESS
77J	–	TO ENGINE ROOM HARNESS
78J	–	TO ENGINE ROOM HARNESS
79J	SHIELD	TO ENGINE ROOM HARNESS
80J	B	TO ENGINE ROOM HARNESS
81J	W	TO ENGINE ROOM HARNESS
82J	–	TO ENGINE ROOM HARNESS
83J	–	TO ENGINE ROOM HARNESS
84J	–	TO ENGINE ROOM HARNESS
85J	–	TO ENGINE ROOM HARNESS
86J	–	TO ENGINE ROOM HARNESS
87J	–	TO ENGINE ROOM HARNESS
88J	–	TO ENGINE ROOM HARNESS
89J	–	TO ENGINE ROOM HARNESS
90J	–	TO ENGINE ROOM HARNESS
91J	–	TO ENGINE ROOM HARNESS
92J	Y	TO ENGINE ROOM HARNESS
93J	G	TO ENGINE ROOM HARNESS
94J	L	TO ENGINE ROOM HARNESS
95J	P	TO ENGINE ROOM HARNESS
96J	–	TO ENGINE ROOM HARNESS
97J	SB	TO ENGINE ROOM HARNESS
98J	P	TO ENGINE ROOM HARNESS
99J	LA/R	TO ENGINE ROOM HARNESS
100J	R	TO ENGINE ROOM HARNESS

Connector No.	M33
Connector Name	FUSE BLOCK (J/B)
Connector Type	CS06FW-M2
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
1N	L	ACCESSORY RELAY 1 OUTPUT
2N	LG	BATTERY
3N	Y	FRONT BLOWER MOTOR RELAY OUTPUT
4N	LG	BATTERY
5N	R	BATTERY
6N	BG	BATTERY
7N	BR	ACCESSORY RELAY-1 CONTROL
8N	SB	FRONT BLOWER MOTOR RELAY OUTPUT

Connector No.	M62
Connector Name	FRONT POWER SOCKET
Connector Type	CEA01FB-CHA2
Connector Color	BLACK

H.S.

Terminal No.	Color of Wire	Signal Name
1	–	–
2	L	ACCESSORY RELAY 1 OUTPUT
3	B	GROUND

Connector No.	M63
Connector Name	CONSOLE POWER SOCKET
Connector Type	CEA01FB-CHA2
Connector Color	BLACK

H.S.

Terminal No.	Color of Wire	Signal Name
1	–	–
2	Y	ACCESSORY RELAY 1 OUTPUT
3	B	GROUND

AAMIA5615GB

ACCESSORY POWER SUPPLY CONNECTORS

Connector No.	M68
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS16FBR-CS
Connector Color	BROWN

H.S.

7R	6R	5R	4R		3R	2R	1R
16R	15R	14R	13R	12R	11R	10R	9R	8R

Terminal No.	Color of Wire	Signal Name
1R	V	ILLUMINATION +
2R	G	IGNITION
3R	V	BATTERY
4R	–	–
5R	–	–
6R	LA/L	ACCESSORY
7R	LA/V	BATTERY
8R	–	–
9R	–	–
10R	GR	BATTERY
11R	–	–
12R	–	–
13R	–	–
14R	W	BATTERY
15R	W	BATTERY
16R	GR	ACCESSORY

8	BR	TO BODY HARNESS
9	LA/G	TO BODY HARNESS
10	LA/R	TO BODY HARNESS
11	LG	TO BODY HARNESS
12	GR	TO BODY HARNESS
13	BR	TO BODY HARNESS
14	LA/L	TO BODY HARNESS
15	LA/BR	TO BODY HARNESS
16	GR	TO BODY HARNESS

Connector No.	M74
Connector Name	WIRE TO WIRE
Connector Type	NS16FW-CS
Connector Color	WHITE

H.S.

7	6	5	4		3	2	1
16	15	14	13	12	11	10	9	8

Terminal No.	Color of Wire	Signal Name
1	LG	TO BODY HARNESS
2	LG	TO BODY HARNESS
3	V	TO BODY HARNESS
4	Y	TO BODY HARNESS
5	W	TO BODY HARNESS
6	BG	TO BODY HARNESS
7	SB	TO BODY HARNESS

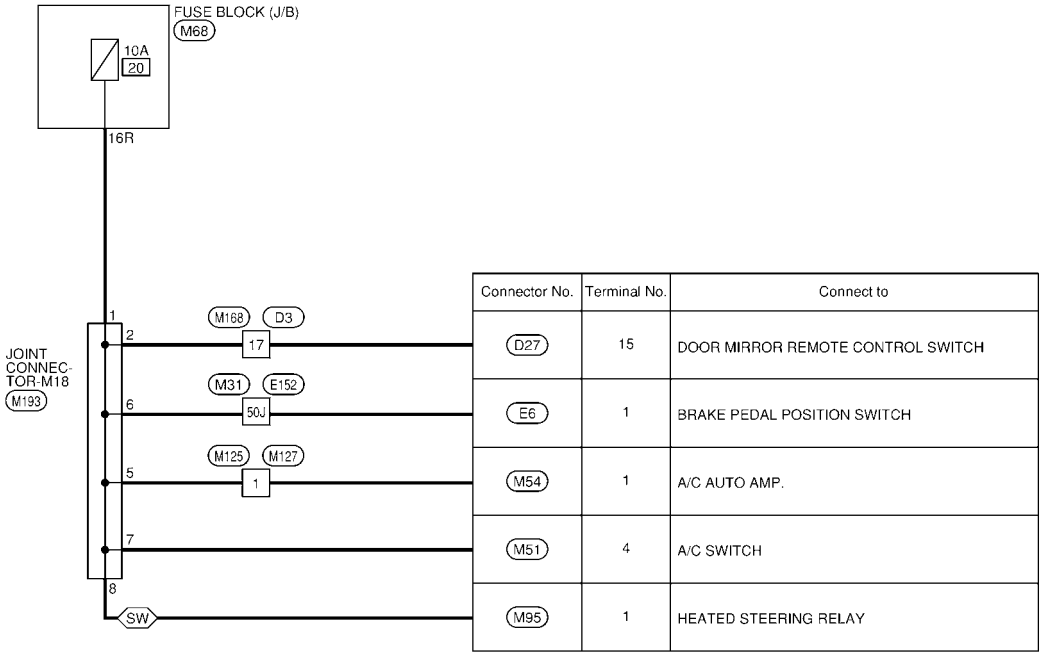
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Wiring Diagram - ACCESSORY POWER SUPPLY FUSE No. 20 -

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ACCESSORY POWER SUPPLY FUSE NO. 20

SW : WITH HEATED STEERING WHEEL

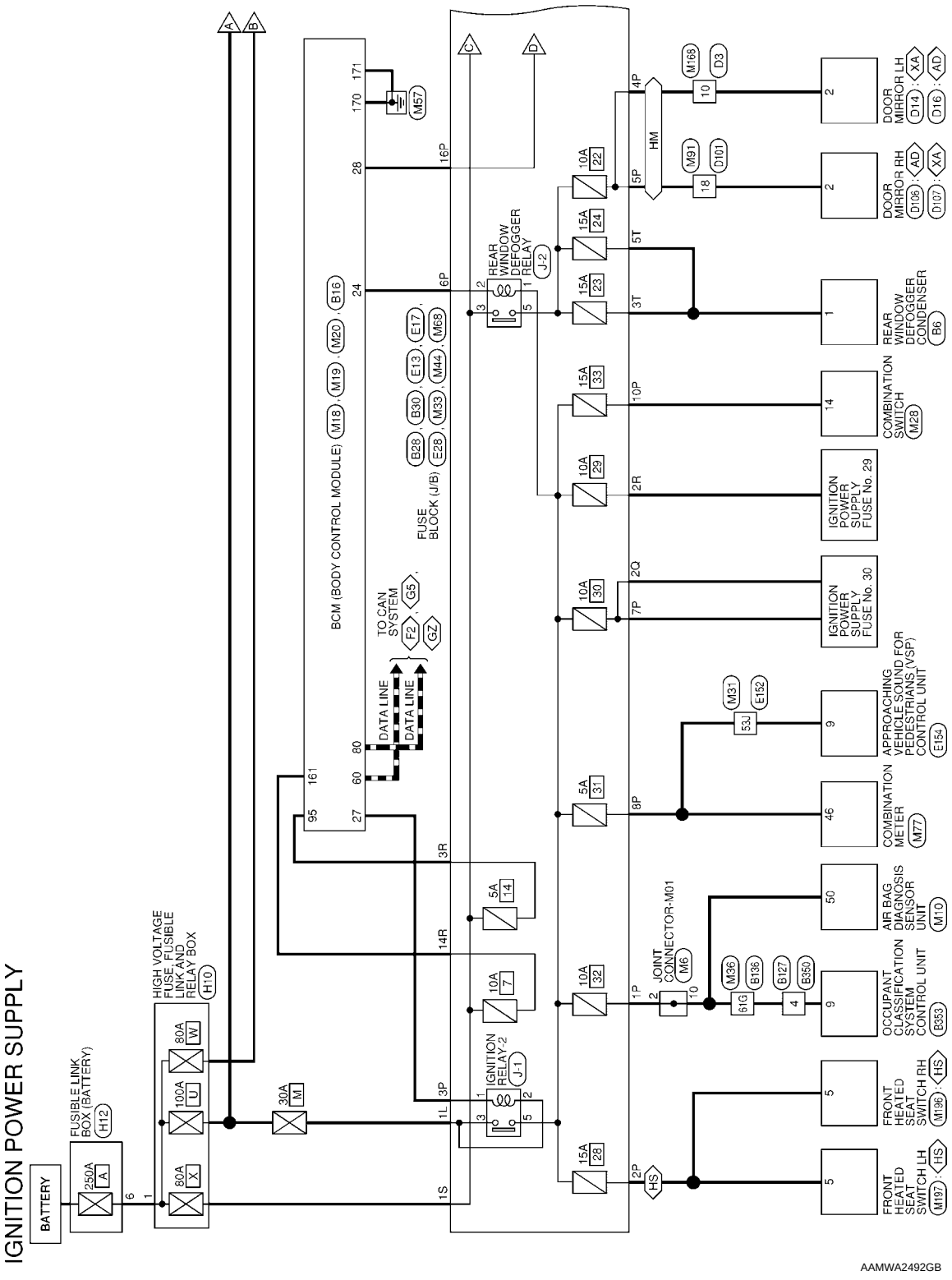


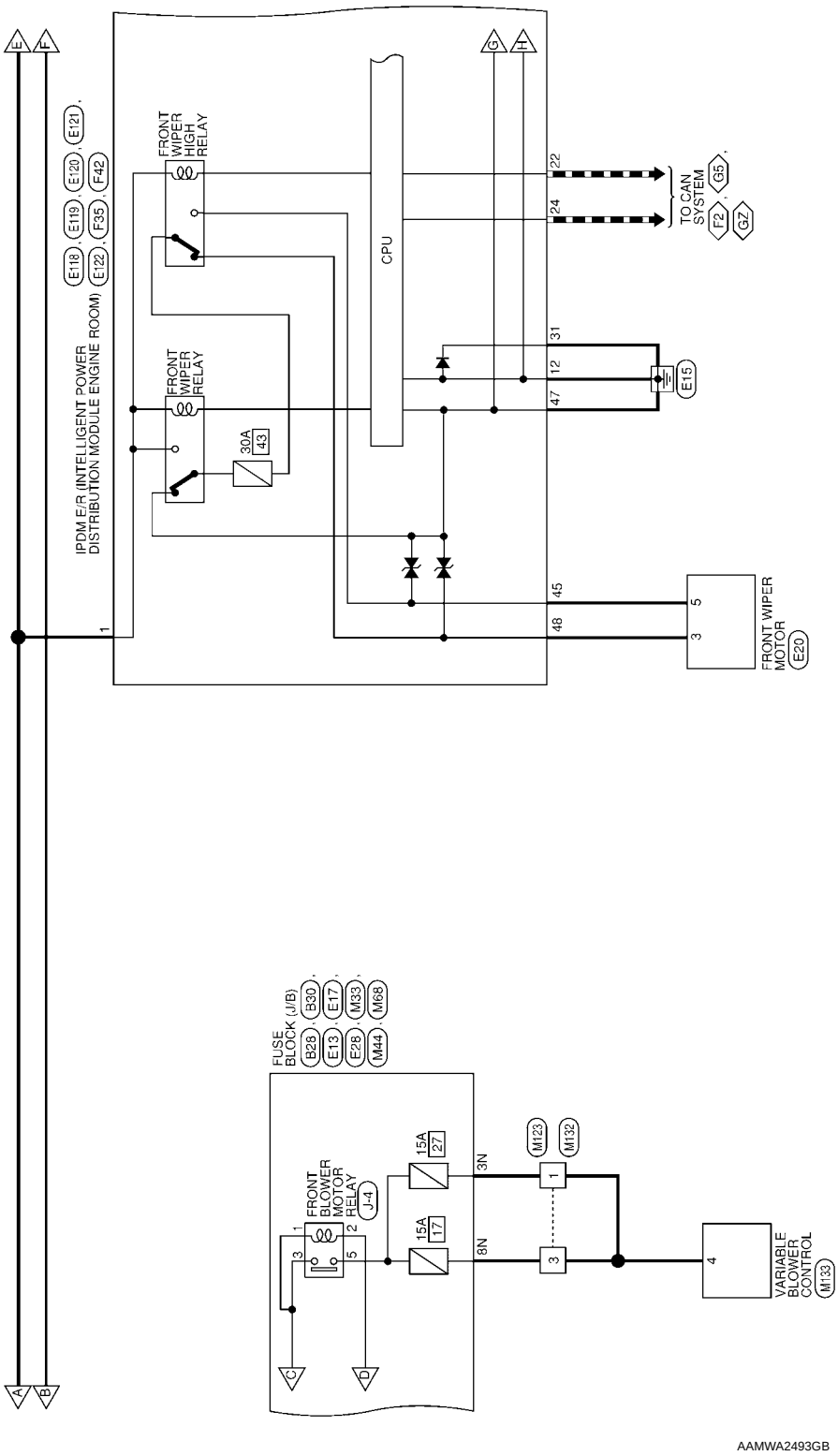
Connector No.	Terminal No.	Connect to
D27	15	DOOR MIRROR REMOTE CONTROL SWITCH
E6	1	BRAKE PEDAL POSITION SWITCH
M54	1	A/C AUTO AMP.
M51	4	A/C SWITCH
M95	1	HEATED STEERING RELAY

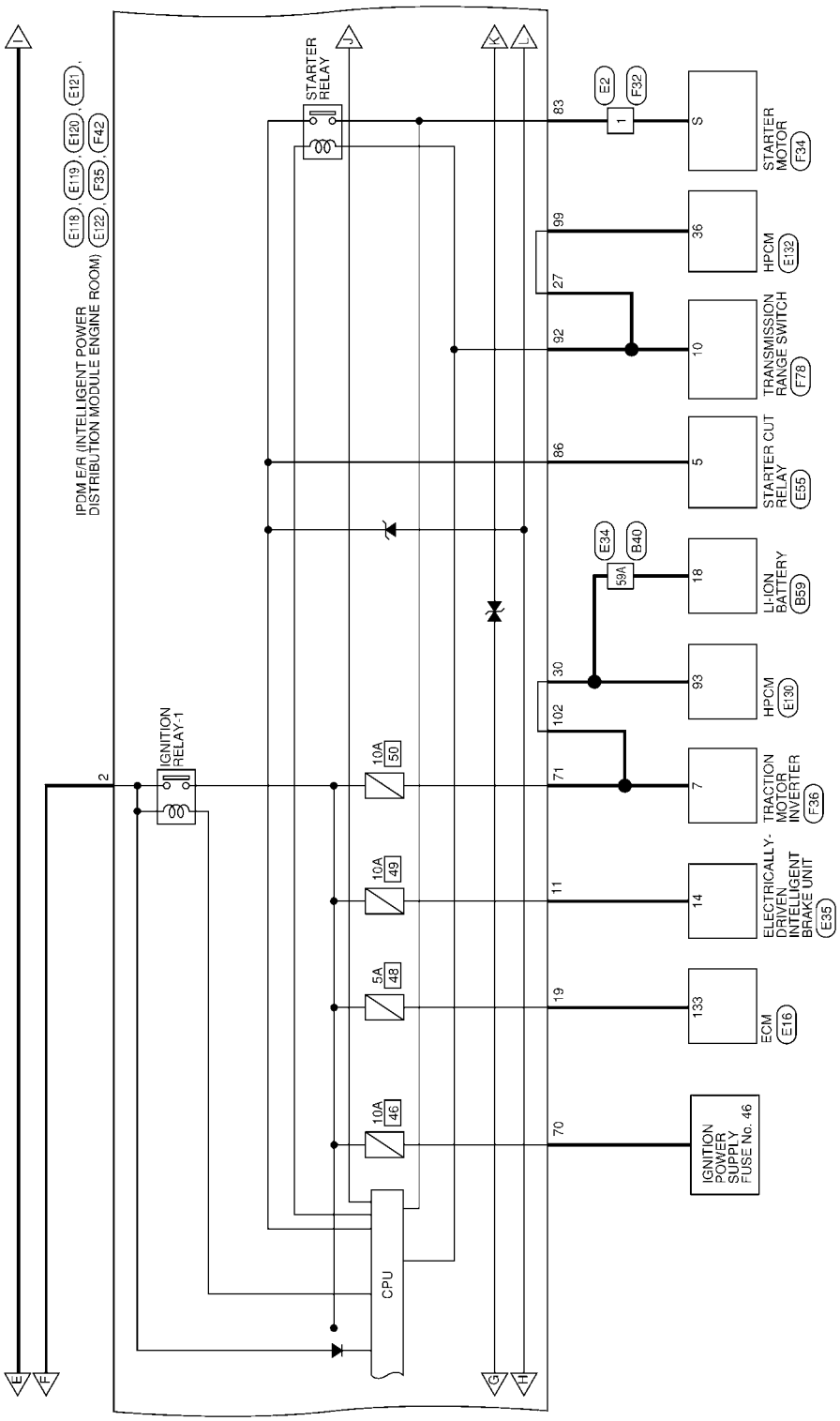
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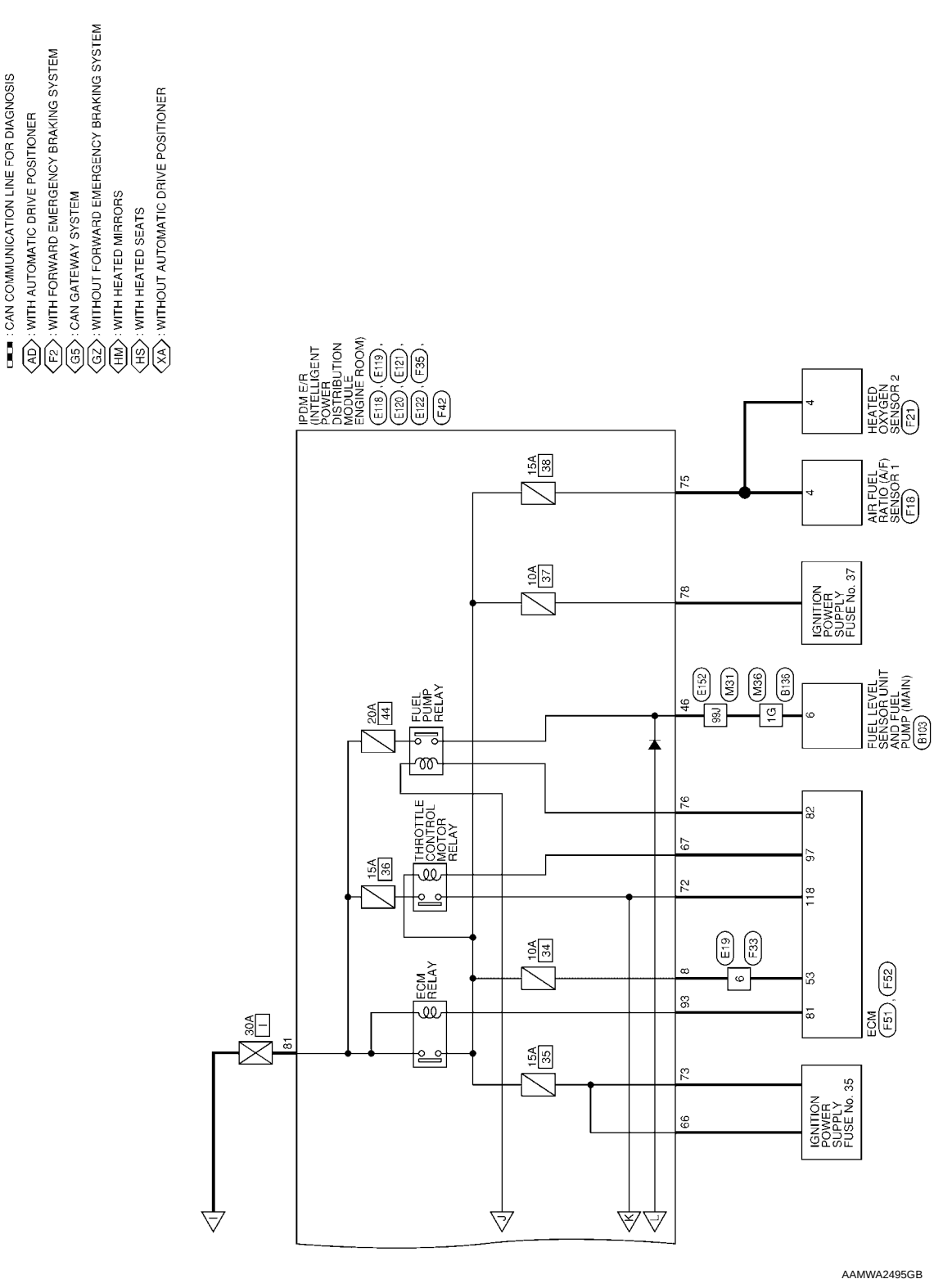
Wiring Diagram - IGNITION POWER SUPPLY -

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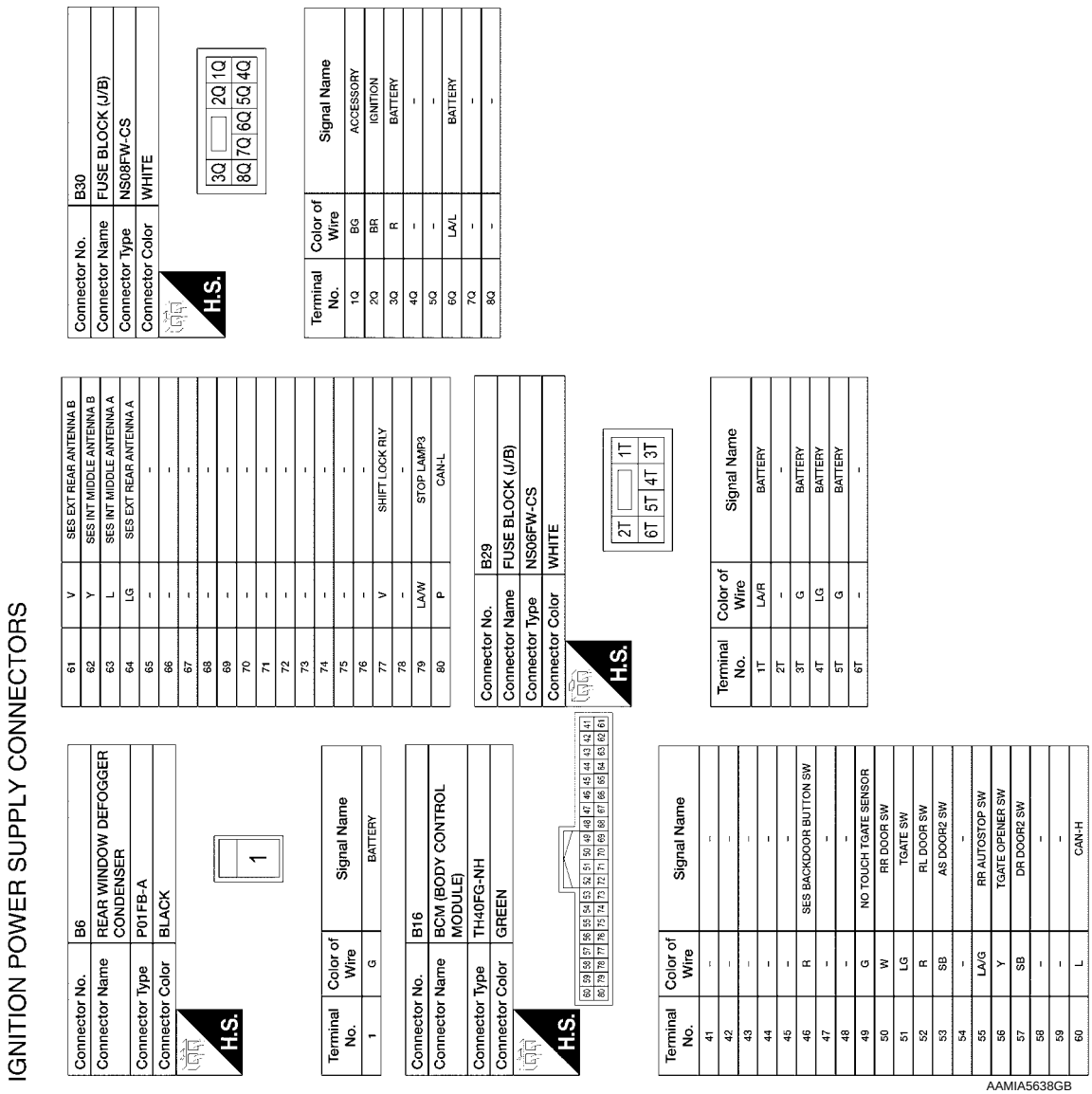



IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
E118, E119, E122, F35, E120, E121, F42
FRONT WIPER HIGH RELAY
FRONT WIPER RELAY
30A 43
CPU
TO CAN SYSTEM
F2, G2, G5
E15
FRONT WIPER MOTOR E20
FUSE BLOCK (J/B)
B28, B30, E13, E17, E28, M33, M44, M68
FRONT BLOWER MOTOR RELAY J-4
15A 27
15A 17
3N
8N
M123, M132
VARIABLE BLOWER CONTROL M133
AAMWA2493GB


IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
E118, E119, E120, E121, E122, F35, F42
STARTER RELAY
IGNITION RELAY-1
CPU
10A 50
10A 49
5A 48
10A 46
83
99
27
92
86
30
102
71
11
19
70
2
E2
F32
1
S
STARTER MOTOR F34
36
HPCM E132
10
TRANSMISSION RANGE SWITCH F78
5
STARTER CUT RELAY E55
E34
B40
59A
18
LI-ION BATTERY B59
93
HPCM E130
7
TRACTION MOTOR INVERTER F36
14
ELECTRICALLY-DRIVEN INTELLIGENT BRAKE UNIT E35
133
ECM E16
IGNITION POWER SUPPLY FUSE No. 46
AAMWA2494GB


: CAN COMMUNICATION LINE FOR DIAGNOSIS
AD : WITH AUTOMATIC DRIVE POSITIONER
F2 : WITH FORWARD EMERGENCY BRAKING SYSTEM
G5 : CAN GATEWAY SYSTEM
GZ : WITHOUT FORWARD EMERGENCY BRAKING SYSTEM
HM : WITH HEATED MIRRORS
HS : WITH HEATED SEATS
XA : WITHOUT AUTOMATIC DRIVE POSITIONER
IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
E118, E119, E120, E121, E122, F35, F42
30A 1
81
15A 38
10A 37
20A 44
FUEL PUMP RELAY
15A 36
THROTTLE CONTROL MOTOR RELAY
10A 34
ECM RELAY
15A 35
75
78
46
76
67
72
8
93
73
66
HEATED OXYGEN SENSOR 2 F21
AIR FUEL RATIO (A/F) SENSOR 1 F18
IGNITION POWER SUPPLY FUSE No. 37
E152 99J M31 M36 1G B136
FUEL LEVEL SENSOR UNIT AND FUEL PUMP (MAIN) B103
E19 6 F33
ECM F51, F52
IGNITION POWER SUPPLY FUSE No. 35
I
J
K
L
AAMWA2495GB

IGNITION POWER SUPPLY CONNECTORS



IGNITION POWER SUPPLY CONNECTORS

Connector No.	B40
Connector Name	WIRE TO WIRE
Connector Type	TH80MDGY-CS16-TM4
Connector Color	GRAY

H.S.

Terminal No.	Color of Wire	Signal Name
1A	–	TO ENGINE ROOM HARNESS
2A	–	TO ENGINE ROOM HARNESS
3A	–	TO ENGINE ROOM HARNESS
4A	–	TO ENGINE ROOM HARNESS
5A	–	TO ENGINE ROOM HARNESS
6A	LG	TO ENGINE ROOM HARNESS
7A	Y	TO ENGINE ROOM HARNESS
8A	GR	TO ENGINE ROOM HARNESS
9A	BR	TO ENGINE ROOM HARNESS
10A	–	TO ENGINE ROOM HARNESS
11A	–	TO ENGINE ROOM HARNESS
12A	–	TO ENGINE ROOM HARNESS
13A	–	TO ENGINE ROOM HARNESS
14A	–	TO ENGINE ROOM HARNESS
15A	–	TO ENGINE ROOM HARNESS
16A	–	TO ENGINE ROOM HARNESS
17A	–	TO ENGINE ROOM HARNESS
18A	–	TO ENGINE ROOM HARNESS
19A	–	TO ENGINE ROOM HARNESS
20A	–	TO ENGINE ROOM HARNESS
21A	–	TO ENGINE ROOM HARNESS
22A	–	TO ENGINE ROOM HARNESS
23A	–	TO ENGINE ROOM HARNESS
24A	–	TO ENGINE ROOM HARNESS
25A	–	TO ENGINE ROOM HARNESS
26A	–	TO ENGINE ROOM HARNESS
27A	–	TO ENGINE ROOM HARNESS
28A	–	TO ENGINE ROOM HARNESS
29A	–	TO ENGINE ROOM HARNESS
30A	–	TO ENGINE ROOM HARNESS
31A	–	TO ENGINE ROOM HARNESS
32A	–	TO ENGINE ROOM HARNESS
33A	–	TO ENGINE ROOM HARNESS
34A	–	TO ENGINE ROOM HARNESS
35A	–	TO ENGINE ROOM HARNESS
36A	–	TO ENGINE ROOM HARNESS
37A	–	TO ENGINE ROOM HARNESS
38A	–	TO ENGINE ROOM HARNESS
39A	–	TO ENGINE ROOM HARNESS
40A	–	TO ENGINE ROOM HARNESS
41A	–	TO ENGINE ROOM HARNESS
42A	–	TO ENGINE ROOM HARNESS
43A	–	TO ENGINE ROOM HARNESS
44A	–	TO ENGINE ROOM HARNESS
45A	–	TO ENGINE ROOM HARNESS
46A	–	TO ENGINE ROOM HARNESS
47A	–	TO ENGINE ROOM HARNESS
48A	–	TO ENGINE ROOM HARNESS
49A	–	TO ENGINE ROOM HARNESS
50A	–	TO ENGINE ROOM HARNESS
51A	–	TO ENGINE ROOM HARNESS
52A	–	TO ENGINE ROOM HARNESS
53A	–	TO ENGINE ROOM HARNESS
54A	R	TO ENGINE ROOM HARNESS
55A	L	TO ENGINE ROOM HARNESS
56A	BR	TO ENGINE ROOM HARNESS
57A	W	TO ENGINE ROOM HARNESS
58A	B	TO ENGINE ROOM HARNESS
59A	LG	TO ENGINE ROOM HARNESS
60A	B	TO ENGINE ROOM HARNESS
61A	SHIELD	TO ENGINE ROOM HARNESS
62A	–	TO ENGINE ROOM HARNESS
63A	LG	TO ENGINE ROOM HARNESS
64A	Y	TO ENGINE ROOM HARNESS
65A	P	TO ENGINE ROOM HARNESS
66A	R	TO ENGINE ROOM HARNESS
67A	SB	TO ENGINE ROOM HARNESS
68A	BG	TO ENGINE ROOM HARNESS
69A	GR	TO ENGINE ROOM HARNESS
70A	G	TO ENGINE ROOM HARNESS
71A	–	TO ENGINE ROOM HARNESS
72A	–	TO ENGINE ROOM HARNESS
73A	–	TO ENGINE ROOM HARNESS
74A	–	TO ENGINE ROOM HARNESS
75A	B	TO ENGINE ROOM HARNESS
76A	G	TO ENGINE ROOM HARNESS
77A	SB	TO ENGINE ROOM HARNESS
78A	BG	TO ENGINE ROOM HARNESS
79A	Y	TO ENGINE ROOM HARNESS
80A	BR	TO ENGINE ROOM HARNESS
81A	R	TO ENGINE ROOM HARNESS
82A	–	TO ENGINE ROOM HARNESS
83A	–	TO ENGINE ROOM HARNESS
84A	–	TO ENGINE ROOM HARNESS
85A	–	TO ENGINE ROOM HARNESS
86A	–	TO ENGINE ROOM HARNESS
87A	–	TO ENGINE ROOM HARNESS
88A	–	TO ENGINE ROOM HARNESS
89A	–	TO ENGINE ROOM HARNESS
90A	–	TO ENGINE ROOM HARNESS
91A	–	TO ENGINE ROOM HARNESS
92A	–	TO ENGINE ROOM HARNESS
93A	–	TO ENGINE ROOM HARNESS
94A	–	TO ENGINE ROOM HARNESS
95A	–	TO ENGINE ROOM HARNESS
96A	BG	TO ENGINE ROOM HARNESS
97A	–	TO ENGINE ROOM HARNESS
98A	GR	TO ENGINE ROOM HARNESS
99A	LA/BR	TO ENGINE ROOM HARNESS
100A	G	TO ENGINE ROOM HARNESS

Connector No.	B59
Connector Name	LI-ION BATTERY
Connector Type	TH24FW-NH
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
1	SB	SIO
2	B	GND1
3	L	CAN-H
4	–	–
5	–	–
6	P	BAT
7	B	RLY2 GND
8	–	–
9	SB	PRE CHG RLY V
10	P	SDSW (+)
11	BG	RLY1 V
12	–	–
13	V	VM0
14	B	GND2
15	G	CAN-L
16	–	–
17	R	FCTL
18	LG	VIGN
19	–	–
20	–	–
21	–	–
22	Y	SDSW (-)
23	GR	RLY2 V
24	B	RLY1 GND

Connector No.	B103
Connector Name	FUEL LEVEL SENSOR UNIT AND FUEL PUMP (MAIN)
Connector Type	E06FGY-RS
Connector Color	GRAY

H.S.

Terminal No.	Color of Wire	Signal Name
1	LA/R	SENSOR GROUND
2	LA/B	FUEL SENSOR GND
3	LA/V	FUEL TANK TEMPERATURE SENSOR
4	LA/B	FUEL PUMP (-)
5	LA/L	FUEL SENSOR
6	LA/GR	FUEL PUMP (+)

Connector No.	B127
Connector Name	WIRE TO WIRE
Connector Type	TH04FW-NH
Connector Color	WHITE

H.S.

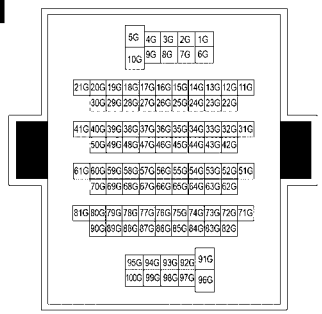
Terminal No.	Color of Wire	Signal Name
1	GR	TO BODY HARNESS
2	B	TO BODY HARNESS
3	BG	TO BODY HARNESS
4	V	TO BODY HARNESS

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IGNITION POWER SUPPLY CONNECTORS

Connector No.	B136
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4
Connector Color	WHITE

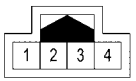
H.S.



Terminal No.	Color of Wire	Signal Name
1G	LA/GR	TO MAIN HARNESS
2G	LA/P	TO MAIN HARNESS
3G	Y	TO MAIN HARNESS
4G	L	TO MAIN HARNESS
5G	G	TO MAIN HARNESS
6G	LA/BR	TO MAIN HARNESS
7G	BR	TO MAIN HARNESS
8G	LA/L	TO MAIN HARNESS
9G	LA/R	TO MAIN HARNESS
10G	R	TO MAIN HARNESS
11G	G	TO MAIN HARNESS
12G	Y	TO MAIN HARNESS
13G	BR	TO MAIN HARNESS
14G	–	TO MAIN HARNESS
15G	Y	TO MAIN HARNESS
16G	–	TO MAIN HARNESS
17G	–	TO MAIN HARNESS
18G	R	TO MAIN HARNESS
19G	R	TO MAIN HARNESS
20G	W	TO MAIN HARNESS
21G	P	TO MAIN HARNESS
22G	P	TO MAIN HARNESS
23G	L	TO MAIN HARNESS
24G	W	TO MAIN HARNESS
25G	L	TO MAIN HARNESS
26G	–	TO MAIN HARNESS
27G	–	TO MAIN HARNESS
28G	–	TO MAIN HARNESS
29G	SB	TO MAIN HARNESS
30G	–	TO MAIN HARNESS
31G	–	TO MAIN HARNESS
32G	–	TO MAIN HARNESS
33G	–	TO MAIN HARNESS
34G	V	TO MAIN HARNESS
35G	BR	TO MAIN HARNESS
36G	SHIELD	TO MAIN HARNESS
37G	LG	TO MAIN HARNESS
38G	V	TO MAIN HARNESS
39G	SHIELD	TO MAIN HARNESS
40G	G	TO MAIN HARNESS
41G	R	TO MAIN HARNESS
42G	–	TO MAIN HARNESS
43G	–	TO MAIN HARNESS
44G	BG	TO MAIN HARNESS
45G	SHIELD	TO MAIN HARNESS
46G	W	TO MAIN HARNESS
47G	R	TO MAIN HARNESS
48G	SHIELD	TO MAIN HARNESS
49G	L	TO MAIN HARNESS
50G	Y	TO MAIN HARNESS
51G	–	TO MAIN HARNESS
52G	–	TO MAIN HARNESS
53G	–	TO MAIN HARNESS
54G	–	TO MAIN HARNESS
55G	–	TO MAIN HARNESS
56G	–	TO MAIN HARNESS
57G	–	TO MAIN HARNESS
58G	–	TO MAIN HARNESS
59G	–	TO MAIN HARNESS
60G	GR	TO MAIN HARNESS
61G	V	TO MAIN HARNESS
62G	–	TO MAIN HARNESS
63G	–	TO MAIN HARNESS
64G	–	TO MAIN HARNESS
65G	–	TO MAIN HARNESS
66G	–	TO MAIN HARNESS
67G	–	TO MAIN HARNESS
68G	–	TO MAIN HARNESS
69G	–	TO MAIN HARNESS
70G	–	TO MAIN HARNESS
71G	–	TO MAIN HARNESS
72G	–	TO MAIN HARNESS
73G	–	TO MAIN HARNESS
74G	–	TO MAIN HARNESS
75G	–	TO MAIN HARNESS
76G	–	TO MAIN HARNESS
77G	–	TO MAIN HARNESS
78G	LA/R	TO MAIN HARNESS
79G	LA/V	TO MAIN HARNESS
80G	LA/B	TO MAIN HARNESS
81G	LA/L	TO MAIN HARNESS
82G	–	TO MAIN HARNESS
83G	–	TO MAIN HARNESS
84G	–	TO MAIN HARNESS
85G	–	TO MAIN HARNESS
86G	–	TO MAIN HARNESS
87G	–	TO MAIN HARNESS
88G	–	TO MAIN HARNESS
89G	–	TO MAIN HARNESS
90G	–	TO MAIN HARNESS
91G	R	TO MAIN HARNESS
92G	BR	TO MAIN HARNESS
93G	W	TO MAIN HARNESS
94G	LA/V	TO MAIN HARNESS
95G	V	TO MAIN HARNESS
96G	G	TO MAIN HARNESS
97G	P	TO MAIN HARNESS
98G	GR	TO MAIN HARNESS
99G	LA/Y	TO MAIN HARNESS
100G	Y	TO MAIN HARNESS

Connector No.	B350
Connector Name	WIRE TO WIRE
Connector Type	TH04MW-NH
Connector Color	WHITE

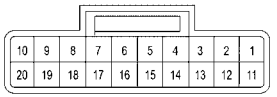
H.S.



Terminal No.	Color of Wire	Signal Name
1	GR	TO BODY NO. 2 HARNESS
2	B	TO BODY NO. 2 HARNESS
3	BR/W	TO BODY NO. 2 HARNESS
4	W	TO BODY NO. 2 HARNESS

Connector No.	B353
Connector Name	OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT
Connector Type	HU16FB
Connector Color	BLACK

H.S.



Terminal No.	Color of Wire	Signal Name
1	–	–
2	B	GND
3	LG	LOAD SENSOR FRONT INNER SIGNAL
4	R/B	LOAD SENSOR FRONT INNER GND
5	BR	BUCKLE SW FR RH
6	–	–
7	GR	K-LINE
8	–	–
9	W	IGN
10	–	–
11	–	–
12	BR/W	ACU COMM
13	–	–
14	–	–
15	W/L	LOAD SENSOR REAR INNER GND
16	SB	LOAD SENSOR REAR INNER SIGNAL
17	R	LOAD SENSOR FRONT INNER VCC
18	–	–
19	Y	LOAD SENSOR REAR INNER VCC
20	–	–

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IGNITION POWER SUPPLY CONNECTORS

Connector No.	D3
Connector Name	WIRE TO WIRE
Connector Type	TH32FW-NH
Connector Color	WHITE

H.S.

16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17

Terminal No.	Color of Wire	Signal Name
1	Y	TO MAIN HARNESS
2	GR	TO MAIN HARNESS
3	W	TO MAIN HARNESS - (WITHOUT AUTOMATIC DRIVE POSITIONER)
3	LA/SB	TO MAIN HARNESS - (WITH AUTOMATIC DRIVE POSITIONER)
4	V	TO MAIN HARNESS - (WITHOUT AUTOMATIC DRIVE POSITIONER)
4	LA/BG	TO MAIN HARNESS - (WITH AUTOMATIC DRIVE POSITIONER)
5	SB	TO MAIN HARNESS - (WITHOUT AUTOMATIC DRIVE POSITIONER)
5	LA/Y	TO MAIN HARNESS - (WITH AUTOMATIC DRIVE POSITIONER)
6	LG	TO MAIN HARNESS - (WITHOUT AUTOMATIC DRIVE POSITIONER)
6	LA/V	TO MAIN HARNESS - (WITH AUTOMATIC DRIVE POSITIONER)
7	W	TO MAIN HARNESS
8	V	TO MAIN HARNESS
9	SB	TO MAIN HARNESS
10	LG	TO MAIN HARNESS
11	GR	TO MAIN HARNESS
12	G	TO MAIN HARNESS
13	Y	TO MAIN HARNESS
14	B	TO MAIN HARNESS
15	BG	TO MAIN HARNESS
16	L	TO MAIN HARNESS
17	LA/W	TO MAIN HARNESS - (WITHOUT AUTOMATIC DRIVE POSITIONER)
17	LA/SB	TO MAIN HARNESS - (WITH AUTOMATIC DRIVE POSITIONER)
18	LA/W	TO MAIN HARNESS - (WITH AUTOMATIC DRIVE POSITIONER)
18	LA/Y	TO MAIN HARNESS - (WITHOUT AUTOMATIC DRIVE POSITIONER)
19	LA/BR	TO MAIN HARNESS - (WITH AUTOMATIC DRIVE POSITIONER)
19	LA/LG	TO MAIN HARNESS - (WITHOUT AUTOMATIC DRIVE POSITIONER)
20	LA/GR	TO MAIN HARNESS - (WITH AUTOMATIC DRIVE POSITIONER)
20	LA/V	TO MAIN HARNESS - (WITHOUT AUTOMATIC DRIVE POSITIONER)
21	BR	TO MAIN HARNESS
22	W	TO MAIN HARNESS
23	LA/R	TO MAIN HARNESS
24	GR	TO MAIN HARNESS
25	R	TO MAIN HARNESS
26	LA/G	TO MAIN HARNESS
27	LA/LG	TO MAIN HARNESS
28	LA/L	TO MAIN HARNESS
29	LA/Y	TO MAIN HARNESS
30	LA/V	TO MAIN HARNESS
31	LA/BR	TO MAIN HARNESS
32	P	TO MAIN HARNESS

Connector No.	D14
Connector Name	DOOR MIRROR LH (WITHOUT AUTOMATIC DRIVE POSITIONER)
Connector Type	TH16MW-NH
Connector Color	WHITE

H.S.

8	7	6	5	4	3	2	1
16	15	14	13	12	11	10	9

Terminal No.	Color of Wire	Signal Name
1	-	-
2	LG	REAR DEFOGGER RELAY OUTPUT
3	-	-
4	LA/BR	SWITCH OUTPUT (COMMON)
5	LA/W	SWITCH OUTPUT (RIGHT)
6	-	-
7	GR	SV2 POWER 6.2V
8	G	SV2 POWER GND
9	-	-
10	B	GROUND
11	-	-
12	LA/GR	SWITCH OUTPUT (DOWN)
13	LA/G	O DI FR LEFT D
14	LA/B	GROUND
15	B	SV2 VIDEO GND
16	Y	SV2 VIDEO SIGNAL

Connector No.	D16
Connector Name	DOOR MIRROR LH (WITH AUTOMATIC DRIVE POSITIONER)
Connector Type	TH16MW-NH
Connector Color	WHITE

H.S.

8	7	6	5	4	3	2	1
16	15	14	13	12	11	10	9

Terminal No.	Color of Wire	Signal Name
1	LA/BG	MIRROR SENSOR (LH VERTICAL)
2	LG	RELAY OUTPUT
3	LA/SB	POWER SUPPLY (SENSOR FOR 5V)
4	LA/BR	MIRROR MOTOR LH COMMON (DOWN&RIGHT)
5	LA/W	MIRROR MOTOR LH HORIZONTAL (LEFT)
6	-	-
7	-	-
8	-	-
9	LA/V	MIRROR SENSOR (LH HORIZONTAL)
10	B	GROUND
11	LA/Y	GND (SENSOR GND)
12	LA/GR	MIRROR MOTOR LH VERTICAL
13	LA/G	O DI FR LEFT D
14	LA/B	GROUND
15	-	-
16	-	-

Connector No.	D101
Connector Name	WIRE TO WIRE
Connector Type	TH24FW-NH
Connector Color	WHITE

H.S.

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

Terminal No.	Color of Wire	Signal Name
1	B	TO MAIN HARNESS
2	B	TO MAIN HARNESS
3	B	TO MAIN HARNESS
4	P	TO MAIN HARNESS
5	R	TO MAIN HARNESS
6	SB	TO MAIN HARNESS
7	L	TO MAIN HARNESS
8	V	TO MAIN HARNESS
9	Y	TO MAIN HARNESS
10	B	TO MAIN HARNESS
11	G	TO MAIN HARNESS
12	LA/V	TO MAIN HARNESS
13	LA/Y	TO MAIN HARNESS
14	LA/R	TO MAIN HARNESS
15	LA/V	TO MAIN HARNESS
16	LA/L	TO MAIN HARNESS
17	LA/BG	TO MAIN HARNESS
18	GR	TO MAIN HARNESS
19	LG	TO MAIN HARNESS
20	BR	TO MAIN HARNESS
21	LA/G	TO MAIN HARNESS
22	LA/SB	TO MAIN HARNESS
23	LA/BG	TO MAIN HARNESS
24	LA/Y	TO MAIN HARNESS

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IGNITION POWER SUPPLY CONNECTORS

Connector No.	D106
Connector Name	DOOR MIRROR RH (WITH AUTOMATIC DRIVE POSITIONER)
Connector Type	TH16MW-NH
Connector Color	WHITE

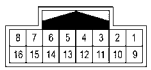
H.S.



Terminal No.	Color of Wire	Signal Name
1	LA/BG	MIRROR SENSOR (RH VERTICAL)
2	GR	RELAY OUTPUT
3	LA/SB	POWER SUPPLY (SENSOR FOR 5V)
4	LA/R	MIRROR MOTOR RH (COMMON)
5	LA/Y	MIRROR MOTOR RH HORIZONTAL (LEFT)
6	–	–
7	–	–
8	–	–
9	LA/V	MIRROR SENSOR (RH HORIZONTAL)
10	B	GROUND
11	LA/Y	GND (SENSOR GND)
12	LA/V	MIRROR MOTOR RH VERTICAL
13	LA/G	O DI FR RIGHT D
14	LA/B	GROUND
15	–	–
16	–	–

Connector No.	D107
Connector Name	DOOR MIRROR RH (WITHOUT AUTOMATIC DRIVE POSITIONER)
Connector Type	TH16MW-NH
Connector Color	WHITE

H.S.



Terminal No.	Color of Wire	Signal Name
1	–	–
2	GR	REAR WINDOW DEFOGGER RELAY OUTPUT
3	–	–
4	LA/R	SWITCH OUTPUT (COMMON)
5	LA/Y	SWITCH OUTPUT (RIGHT)
6	–	–
7	L	SV1 POWER 6.2V
8	V	SV1 POWER GND
9	–	–
10	LA/G	GROUND
11	–	–
12	LA/V	SWITCH OUTPUT (DOWN)
13	LA/G	O DI FR RIGHT D
14	LA/B	GROUND
15	B	SV1 VIDEO GND
16	Y	SV1 VIDEO SIGNAL

Connector No.	E2
Connector Name	WIRE TO WIRE
Connector Type	M02MW-LC
Connector Color	WHITE

H.S.



Terminal No.	Color of Wire	Signal Name
1	G	TO ENGINE CONTROL HARNESS
2	–	TO ENGINE CONTROL HARNESS

Connector No.	E13
Connector Name	FUSE BLOCK (J/B)
Connector Type	L01FW-MC
Connector Color	WHITE

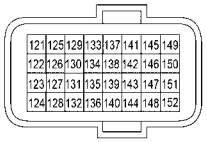
H.S.



Terminal No.	Color of Wire	Signal Name
1S	G	BATTERY

Connector No.	E16
Connector Name	ECM
Connector Type	RH24FB-RZ8-L-LH
Connector Color	BLACK

H.S.



Terminal No.	Color of Wire	Signal Name
121	L	EVAP CONTROL SYSTEM PRESSURE SENSOR
122	–	–
123	P	CAN-L
124	L	CAN-H
125	R	SENSOR POWER SUPPLY
126	–	–
127	–	–
128	BG	FUEL TANK TEMPERATURE SENSOR
129	–	–
130	–	–
131	–	–
132	–	–
133	LG	IGNITION SWITCH
134	–	–
135	–	–
136	–	–
137	G	HEV CAN-L
138	L	HEV CAN-H
139	Y	STOP LAMP SWITCH
140	GR	BRAKE PEDAL POSITION SWITCH
141	Y	EVAP CANISTER VENT CONTROL VALVE
142	–	–
143	–	–
144	–	–
145	G	ECM POWER SUPPLY
146	–	–
147	GR	ECM GROUND
148	B	SENSOR GROUND
149	GR	ECM GROUND
150	–	–
151	–	–
152	GR	ECM GROUND

Connector No.	E17
Connector Name	FUSE BLOCK (J/B)
Connector Type	M01FW-LC
Connector Color	WHITE

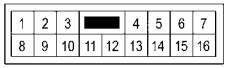
H.S.



Terminal No.	Color of Wire	Signal Name
1L	L	BATTERY

Connector No.	E19
Connector Name	WIRE TO WIRE
Connector Type	NS16MBR-CS
Connector Color	BROWN

H.S.



Terminal No.	Color of Wire	Signal Name
1	B	TO ENGINE CONTROL HARNESS
2	BG	TO ENGINE CONTROL HARNESS
3	B	TO ENGINE CONTROL HARNESS
4	B	TO ENGINE CONTROL HARNESS
5	B	TO ENGINE CONTROL HARNESS
6	B	TO ENGINE CONTROL HARNESS
7	B	TO ENGINE CONTROL HARNESS
8	W	TO ENGINE CONTROL HARNESS
9	BR	TO ENGINE CONTROL HARNESS
10	BR	TO ENGINE CONTROL HARNESS
11	L	TO ENGINE CONTROL HARNESS
12	BR	TO ENGINE CONTROL HARNESS
13	R	TO ENGINE CONTROL HARNESS
14	G	TO ENGINE CONTROL HARNESS
15	W	TO ENGINE CONTROL HARNESS
16	W	TO ENGINE CONTROL HARNESS

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IGNITION POWER SUPPLY CONNECTORS

Connector No.	E20
Connector Name	FRONT WIPER MOTOR
Connector Type	HS05FGY
Connector Color	GRAY

H.S.

Terminal No.	Color of Wire	Signal Name
1	–	–
2	B	GROUND
3	Y	O FR WIPER LO
4	BR	I AUTO STOP WIPER
5	V	O FR WIPER HI

Connector No.	E34
Connector Name	WIRE TO WIRE
Connector Type	TH80FDGY-CS16-TM4
Connector Color	GRAY

H.S.

Terminal No.	Color of Wire	Signal Name
1A	–	TO BODY HARNESS
2A	–	TO BODY HARNESS
3A	–	TO BODY HARNESS
4A	–	TO BODY HARNESS

5A	–	TO BODY HARNESS
6A	L	TO BODY HARNESS
7A	R	TO BODY HARNESS
8A	GR	TO BODY HARNESS
9A	BR	TO BODY HARNESS
10A	–	TO BODY HARNESS
11A	–	TO BODY HARNESS
12A	–	TO BODY HARNESS
13A	–	TO BODY HARNESS
14A	–	TO BODY HARNESS
15A	–	TO BODY HARNESS
16A	–	TO BODY HARNESS
17A	–	TO BODY HARNESS
18A	–	TO BODY HARNESS
19A	–	TO BODY HARNESS
20A	–	TO BODY HARNESS
21A	–	TO BODY HARNESS
22A	–	TO BODY HARNESS
23A	–	TO BODY HARNESS
24A	–	TO BODY HARNESS
25A	–	TO BODY HARNESS
26A	–	TO BODY HARNESS
27A	–	TO BODY HARNESS
28A	–	TO BODY HARNESS
29A	–	TO BODY HARNESS
30A	–	TO BODY HARNESS
31A	–	TO BODY HARNESS
32A	–	TO BODY HARNESS
33A	–	TO BODY HARNESS
34A	–	TO BODY HARNESS
35A	–	TO BODY HARNESS
36A	–	TO BODY HARNESS
37A	–	TO BODY HARNESS
38A	–	TO BODY HARNESS
39A	–	TO BODY HARNESS
40A	–	TO BODY HARNESS
41A	–	TO BODY HARNESS
42A	–	TO BODY HARNESS
43A	–	TO BODY HARNESS
44A	–	TO BODY HARNESS
45A	–	TO BODY HARNESS
46A	–	TO BODY HARNESS
47A	–	TO BODY HARNESS
48A	–	TO BODY HARNESS
49A	–	TO BODY HARNESS
50A	–	TO BODY HARNESS
51A	–	TO BODY HARNESS
52A	–	TO BODY HARNESS
53A	–	TO BODY HARNESS
54A	R	TO BODY HARNESS
55A	L	TO BODY HARNESS
56A	BR	TO BODY HARNESS
57A	W	TO BODY HARNESS

58A	V	TO BODY HARNESS
59A	Y	TO BODY HARNESS
60A	B	TO BODY HARNESS
61A	SHIELD	TO BODY HARNESS
62A	–	TO BODY HARNESS
63A	L	TO BODY HARNESS
64A	Y	TO BODY HARNESS
65A	P	TO BODY HARNESS
66A	R	TO BODY HARNESS
67A	SB	TO BODY HARNESS
68A	BG	TO BODY HARNESS
69A	GR	TO BODY HARNESS
70A	LG	TO BODY HARNESS
71A	–	TO BODY HARNESS
72A	–	TO BODY HARNESS
73A	–	TO BODY HARNESS
74A	–	TO BODY HARNESS
75A	B	TO BODY HARNESS
76A	G	TO BODY HARNESS
77A	SB	TO BODY HARNESS
78A	BG	TO BODY HARNESS
79A	LG	TO BODY HARNESS
80A	BR	TO BODY HARNESS
81A	G	TO BODY HARNESS
82A	–	TO BODY HARNESS
83A	–	TO BODY HARNESS
84A	–	TO BODY HARNESS
85A	–	TO BODY HARNESS
86A	–	TO BODY HARNESS
87A	–	TO BODY HARNESS
88A	–	TO BODY HARNESS
89A	–	TO BODY HARNESS
90A	–	TO BODY HARNESS
91A	–	TO BODY HARNESS
92A	–	TO BODY HARNESS
93A	–	TO BODY HARNESS
94A	–	TO BODY HARNESS
95A	–	TO BODY HARNESS
96A	G	TO BODY HARNESS
97A	–	TO BODY HARNESS
98A	GR	TO BODY HARNESS
99A	W	TO BODY HARNESS
100A	G	TO BODY HARNESS

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IGNITION POWER SUPPLY CONNECTORS

34	–	–

Connector No.	E55
Connector Name	STARTER CUT RELAY
Connector Type	MS02FL-M2-LC
Connector Color	BLUE

H.S.



Terminal No.	Color of Wire	Signal Name
1	SB	BATTERY
2	G	RELAY CONTROL
3	L	BATTERY
5	GR	RELAY OUTPUT

Connector No.	E118
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	L02FB-MC
Connector Color	BLACK

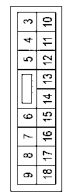
H.S.



Terminal No.	Color of Wire	Signal Name
1	R	FL BAT 2
2	W	FL BAT 1

Connector No.	E119
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	NS16FGY-CS
Connector Color	GRAY

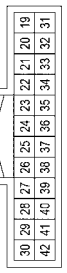
H.S.



Terminal No.	Color of Wire	Signal Name
3	P	IGN NOT COLUMN LOCK
4	Y	LIGHT POSITION REAR LH
5	–	–
6	–	–
7	–	–
8	BR	ACTUATOR4 CABIN (3FB4)
9	L	LO HORN RLY
10	–	–
11	V	IGN AIRBAG
12	B	SIGNAL GROUND
13	–	–
14	–	–
15	–	–
16	G	LIGHT REVERSE LAMP
17	W	LIGHT POSITION REAR RH
18	–	–

Connector No.	E120
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	TH24FGY-NH
Connector Color	GRAY

H.S.



Terminal No.	Color of Wire	Signal Name
19	LG	IGN ECM
20	–	–
21	–	–
22	P	CAN-L
23	–	–
24	L	CAN-H
25	–	–
26	–	–
27	SB	CABIN MOTOR 5
28	R	CABIN MOTOR 6
29	LG	CABIN MOTOR 7
30	Y	CABIN MOTOR 8
31	B	2ND SIGNAL GROUND
32	GR	LI PUSH SW
33	BR	AUTO STOP WIPER
34	–	–
35	–	–
36	–	–
37	–	–
38	–	–
39	L	HEV CAN-H
40	G	HEV CAN-L
41	W	CABIN MOTOR 3
42	R	CABIN MOTOR 4

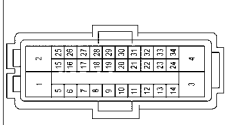
Connector No.	E121
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	243405408R
Connector Color	RED

H.S.

Terminal No.	Color of Wire	Signal Name
43	–	–
44	R	BAT ABS VALVE
45	V	FR WIPER HI
46	W	FUEL PUMP
47	B	POWER GROUND
48	Y	FR WIPER LO

Connector No.	E35
Connector Name	HYDRAULIC BRAKE BOOSTER UNIT
Connector Type	SAZ30FB-SJZ4-D
Connector Color	BLACK

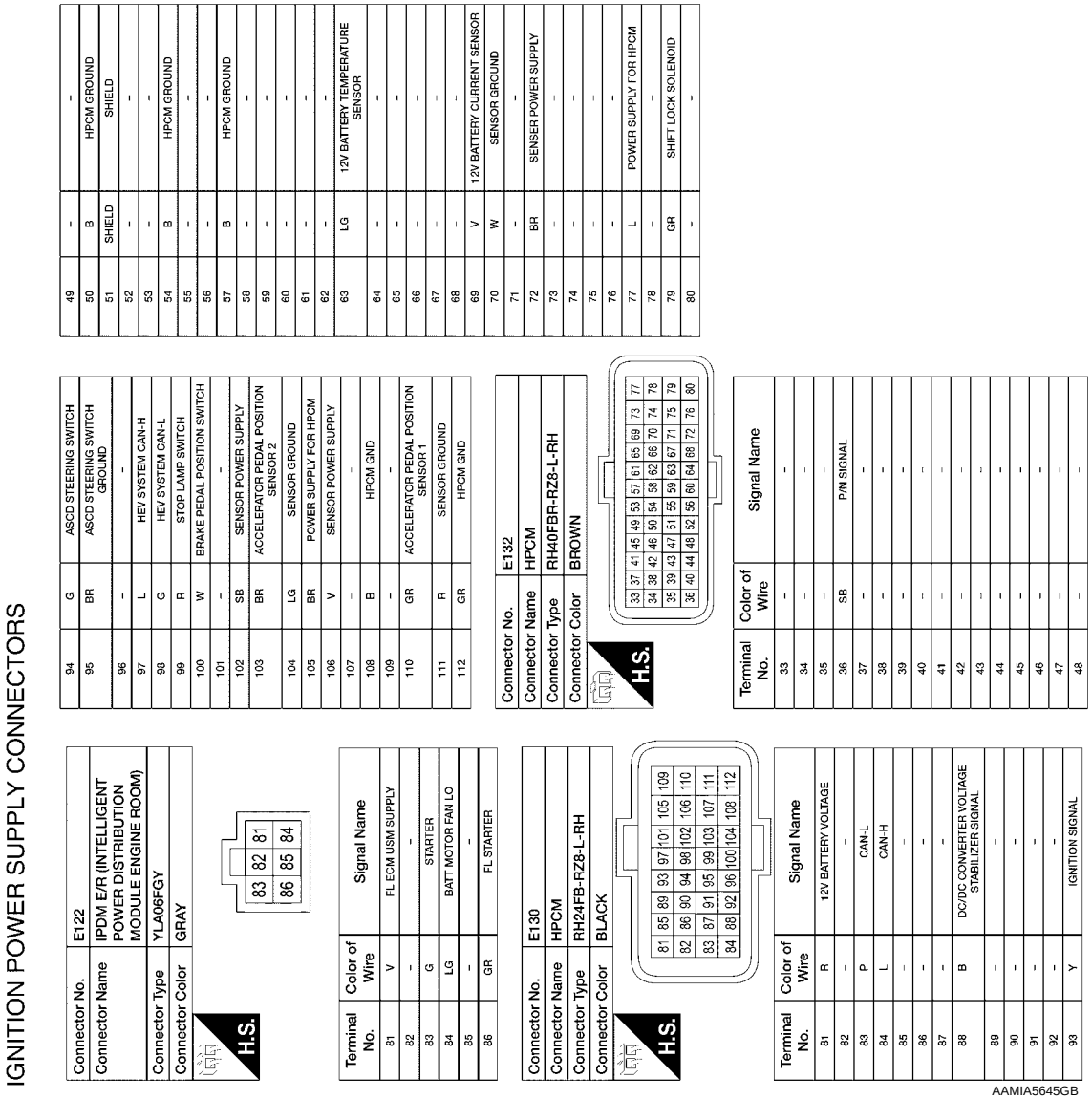
H.S.



Terminal No.	Color of Wire	Signal Name
1	B	GND1
2	B	GND2
3	R	BM1
4	G	BM2
5	–	–
6	–	–
7	W	BZ
8	–	–
9	L	CAN-H
10	R	CAN-L
11	–	–
12	–	–
13	BG	ACC
14	V	IG
15	–	–
16	–	–
17	–	–
18	–	–
19	–	–
20	–	–
21	–	–
22	–	–
23	–	–
24	–	–
25	–	–
26	–	–
27	–	–
28	–	–
29	–	–
30	–	–
31	–	–
32	–	–
33	–	–

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IGNITION POWER SUPPLY CONNECTORS

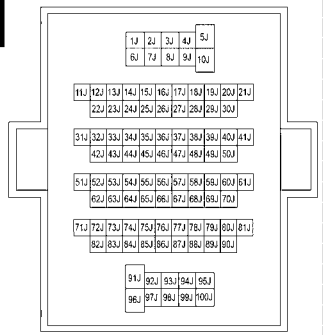


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IGNITION POWER SUPPLY CONNECTORS

Connector No.	E152
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4
Connector Color	WHITE

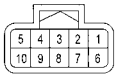
H.S.



Terminal No.	Color of Wire	Signal Name
1J	–	TO MAIN HARNESS
2J	Y	TO MAIN HARNESS
3J	–	TO MAIN HARNESS
4J	–	TO MAIN HARNESS
5J	–	TO MAIN HARNESS
6J	–	TO MAIN HARNESS
7J	–	TO MAIN HARNESS
8J	–	TO MAIN HARNESS
9J	BR	TO MAIN HARNESS
10J	–	TO MAIN HARNESS
11J	–	TO MAIN HARNESS
12J	–	TO MAIN HARNESS
13J	–	TO MAIN HARNESS
14J	–	TO MAIN HARNESS
15J	–	TO MAIN HARNESS
16J	–	TO MAIN HARNESS
17J	–	TO MAIN HARNESS
18J	–	TO MAIN HARNESS
19J	–	TO MAIN HARNESS
20J	–	TO MAIN HARNESS
21J	GR	TO MAIN HARNESS
22J	SHIELD	TO MAIN HARNESS
23J	LG	TO MAIN HARNESS
24J	V	TO MAIN HARNESS
25J	L	TO MAIN HARNESS
26J	BR	TO MAIN HARNESS
27J	G	TO MAIN HARNESS
28J	R	TO MAIN HARNESS
29J	L	TO MAIN HARNESS
30J	V	TO MAIN HARNESS
31J	–	TO MAIN HARNESS
32J	–	TO MAIN HARNESS
33J	R	TO MAIN HARNESS
34J	L	TO MAIN HARNESS
35J	BG	TO MAIN HARNESS
36J	LG	TO MAIN HARNESS
37J	GR	TO MAIN HARNESS
38J	BR	TO MAIN HARNESS
39J	–	TO MAIN HARNESS
40J	–	TO MAIN HARNESS
41J	G	TO MAIN HARNESS
42J	W	TO MAIN HARNESS
43J	L	TO MAIN HARNESS
44J	B	TO MAIN HARNESS
45J	SB	TO MAIN HARNESS
46J	BR	TO MAIN HARNESS
47J	W	TO MAIN HARNESS
48J	W	TO MAIN HARNESS
49J	L	TO MAIN HARNESS
50J	P	TO MAIN HARNESS
51J	W	TO MAIN HARNESS
52J	R	TO MAIN HARNESS
53J	SB	TO MAIN HARNESS
54J	LG	TO MAIN HARNESS
55J	W	TO MAIN HARNESS
56J	BG	TO MAIN HARNESS
57J	R	TO MAIN HARNESS
58J	V	TO MAIN HARNESS
59J	BR	TO MAIN HARNESS
60J	P	TO MAIN HARNESS
61J	L	TO MAIN HARNESS
62J	P	TO MAIN HARNESS
63J	L	TO MAIN HARNESS
64J	R	TO MAIN HARNESS
65J	L	TO MAIN HARNESS
66J	BG	TO MAIN HARNESS
67J	–	TO MAIN HARNESS
68J	–	TO MAIN HARNESS
69J	G	TO MAIN HARNESS
70J	L	TO MAIN HARNESS
71J	–	TO MAIN HARNESS
72J	–	TO MAIN HARNESS
73J	–	TO MAIN HARNESS
74J	–	TO MAIN HARNESS
75J	–	TO MAIN HARNESS
76J	–	TO MAIN HARNESS
77J	–	TO MAIN HARNESS
78J	–	TO MAIN HARNESS
79J	SHIELD	TO MAIN HARNESS
80J	B	TO MAIN HARNESS
81J	W	TO MAIN HARNESS
82J	–	TO MAIN HARNESS
83J	–	TO MAIN HARNESS
84J	–	TO MAIN HARNESS
85J	–	TO MAIN HARNESS
86J	–	TO MAIN HARNESS
87J	–	TO MAIN HARNESS
88J	–	TO MAIN HARNESS
89J	–	TO MAIN HARNESS
90J	–	TO MAIN HARNESS
91J	–	TO MAIN HARNESS
92J	LG	TO MAIN HARNESS
93J	L	TO MAIN HARNESS
94J	L	TO MAIN HARNESS
95J	BR	TO MAIN HARNESS
96J	–	TO MAIN HARNESS
97J	GR	TO MAIN HARNESS
98J	P	TO MAIN HARNESS
99J	W	TO MAIN HARNESS
100J	Y	TO MAIN HARNESS

Connector No.	E154
Connector Name	APPROACHING VEHICLE SOUND FOR PEDESTRIANS (VSP) CONTROL UNIT
Connector Type	RH10FB
Connector Color	BLACK

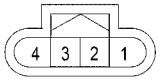
H.S.



Terminal No.	Color of Wire	Signal Name
1	P	CAN-L
2	GR	GND
3	LG	BAT
4	–	–
5	–	–
6	L	CAN-H
7	–	–
8	–	–
9	BR	IGN
10	–	–

Connector No.	F18
Connector Name	AIR FUEL RATIO (A/F) SENSOR 1
Connector Type	RH04FDGY-P
Connector Color	GRAY

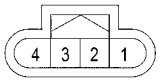
H.S.



Terminal No.	Color of Wire	Signal Name
1	B	AIR FUEL RATIO (A/F) SENSOR 1
2	W	AIR FUEL RATIO (A/F) SENSOR 1
3	Y	AIR FUEL RATIO (A/F) SENSOR 1 HEATER
4	R	IGNITION

Connector No.	F21
Connector Name	HEATED OXYGEN SENSOR 2
Connector Type	RH04FDGY-P
Connector Color	GRAY

H.S.



Terminal No.	Color of Wire	Signal Name
1	B	SENSOR GROUND
2	L	HEATED OXYGEN SENSOR 2
3	G	HEATED OXYGEN SENSOR 2 HEATER
4	BR	IGNITION

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IGNITION POWER SUPPLY CONNECTORS

Connector No.	F32
Connector Name	WIRE TO WIRE
Connector Type	M02FW-LC
Connector Color	WHITE

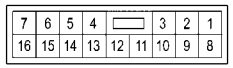
H.S.



Terminal No.	Color of Wire	Signal Name
1	G	TO ENGINE ROOM HARNESS
2	–	TO ENGINE ROOM HARNESS

Connector No.	F33
Connector Name	WIRE TO WIRE
Connector Type	NS16FBR-CS
Connector Color	BROWN

H.S.



Terminal No.	Color of Wire	Signal Name
1	R	TO ENGINE ROOM HARNESS
2	BG	TO ENGINE ROOM HARNESS
3	B	TO ENGINE ROOM HARNESS
4	B	TO ENGINE ROOM HARNESS
5	B	TO ENGINE ROOM HARNESS
6	GR	TO ENGINE ROOM HARNESS
7	B	TO ENGINE ROOM HARNESS
8	W	TO ENGINE ROOM HARNESS
9	BR	TO ENGINE ROOM HARNESS
10	BR	TO ENGINE ROOM HARNESS
11	L	TO ENGINE ROOM HARNESS
12	Y	TO ENGINE ROOM HARNESS
13	R	TO ENGINE ROOM HARNESS
14	G	TO ENGINE ROOM HARNESS
15	W	TO ENGINE ROOM HARNESS
16	W	TO ENGINE ROOM HARNESS

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Connector No.	F34
Connector Name	STARTER MOTOR
Connector Type	X01FGY
Connector Color	GRAY

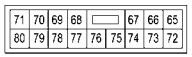
H.S.



Terminal No.	Color of Wire	Signal Name
S	G	STARTER

Connector No.	F35
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	NS16FW-CS
Connector Color	WHITE

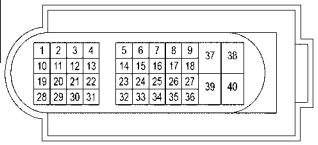
H.S.



Terminal No.	Color of Wire	Signal Name
65	–	–
66	W	ACTUATOR1 1 (3FBI)
67	V	LI ECM ACT5 DRIVER
68	–	–
69	–	–
70	R	IGN AT LPG
71	Y	IGN REVERSE SW AC VALVE
72	LG	ACTUATOR5 (3FBA)
73	G	ACTUATOR1 2 (3FB)
74	–	–
75	R	ACTUATOR3 (3FB3)
76	P	LI FUEL PUMP DRIVER
77	–	–
78	BR	ACTUATOR2 (3FB2)
79	G	LI LIGHT REVERSE SW
80	–	–

Connector No.	F36
Connector Name	TRACTION MOTOR INVERTER
Connector Type	SAZ36FB-HS4-1V-LH
Connector Color	BLACK

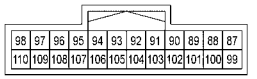
H.S.



Terminal No.	Color of Wire	Signal Name
1	–	–
2	V	TRACTION MOTOR RESOLVER SIGNAL S1
3	–	–
4	G	TRACTION MOTOR RESOLVER SIGNAL R1
5	–	–
6	–	–
7	R	POWER SUPPLY (IGN)
8	–	–
9	P	CONNECTION DETECTION (+)
10	LG	TRACTION MOTOR RESOLVER SIGNAL S3
11	–	–
12	Y	TRACTION MOTOR RESOLVER SIGNAL R2
13	–	–
14	–	–
15	–	–
16	–	–
17	W	CONNECTION DETECTION (-)
18	–	–
19	–	–
20	W	TRACTION MOTOR RESOLVER SIGNAL S2
21	–	–
22	–	–
23	–	–
24	–	–
25	–	–
26	–	–
27	L	HEV SYSTEM CAN-H
28	B	TRACTION MOTOR RESOLVER SIGNAL S4
29	–	–
30	–	–
31	–	–
32	–	–
33	–	–
34	–	–
35	G	HEV SYSTEM CAN-L
36	–	–
37	B	GND
38	P	POWER SUPPLY (BAT)
39	B	GND
40	P	POWER SUPPLY (BAT)

Connector No.	F42
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Type	TH24FB-NH
Connector Color	BLACK

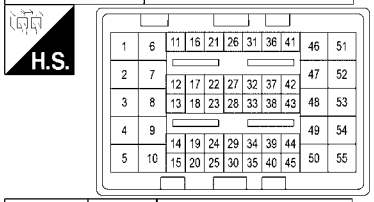
H.S.



Terminal No.	Color of Wire	Signal Name
87	L	HEV CAN-H
88	G	HEV CAN-L
89	W	MOTOR CABIN 3
90	R	MOTOR CABIN 4
91	–	–
92	BG	LI NP SW
93	P	LI ECM DRIVER
94	–	–
95	–	–
96	–	–
97	–	–
98	–	–
99	BG	MOTOR CABIN 5
100	GR	MOTOR CABIN 6
101	LG	MOTOR CABIN 7
102	Y	MOTOR CABIN 8
103	W	HOOD SW2
104	–	–
105	–	–
106	BR	LO FAN RELAY2(PWM)
107	–	–
108	–	–
109	–	–
110	–	–

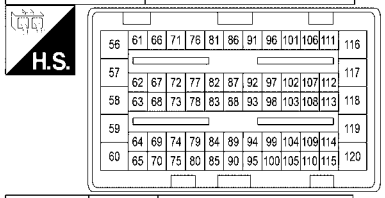
IGNITION POWER SUPPLY CONNECTORS

Connector No.	F51
Connector Name	ECM
Connector Type	MAB35FB-MEB20-LH
Connector Color	BLACK



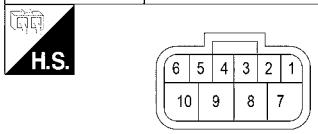
Terminal No.	Color of Wire	Signal Name
1	G	FUEL INJECTOR NO. 1, 4 (HI)
2	B	FUEL INJECTOR NO. 2 (LO)
3	L	FUEL INJECTOR NO. 3 (LO)
4	P	FUEL INJECTOR DRIVER POWER SUPPLY-1
5	L	FUEL INJECTOR DRIVER POWER SUPPLY-2
6	P	FUEL INJECTOR NO. 4 (LO)
7	W	FUEL INJECTOR NO. 2, 3 (HI)
8	R	FUEL INJECTOR NO. 1 (LO)
9	GR	ECM GROUND
10	B	ECM GROUND
11	–	–
12	W	REFRIGERANT PRESSURE SENSOR
13	B	SENSOR GROUND
14	GR	SHIELD
15	W	KNOCK SENSOR
16	–	–
17	–	–
18	–	–
19	R	EXHAUST GAS TEMPERATURE SENSOR
20	SHIELD	SHIELD
21	SB	ENGINE COOLING ELECTRIC WATER PUMP SPEED SIGNAL
22	P	ENGINE OIL TEMPERATURE SENSOR
23	G	ENGINE OIL PRESSURE SENSOR
24	–	–
25	G	FUEL RAIL PRESSURE SENSOR
26	B	SENSOR POWER SUPPLY
27	W	SENSOR POWER SUPPLY
28	–	–
29	Y	SENSOR POWER SUPPLY
30	W	SENSOR POWER SUPPLY
31	–	–
32	–	–
33	R	CRANKSHAFT POSITION SENSOR 1
34	–	–
35	BR	ENGINE OUTLET COOLANT TEMPERATURE SENSOR
36	GR	INTAKE AIR TEMPERATURE SENSOR
37	L	MASS AIR FLOW SENSOR
38	–	–
39	R	INTAKE MANIFOLD RUNNER VALVE POSITION SENSOR
40	–	–
41	–	–
42	R	SENSOR GROUND
43	BR	SENSOR GROUND
44	BR	SENSOR GROUND
45	B	SENSOR GROUND
46	–	–
47	V	HIGH PRESSURE FUEL PUMP SUPPLY
48	V	HIGH PRESSURE FUEL PUMP HIGH
49	LG	HIGH PRESSURE FUEL PUMP LOW
50	B	ECM GROUND
51	–	–
52	–	–
53	Y	INTAKE MANIFOLD RUNNER VALVE MOTOR POWER SUPPLY
54	G	INTAKE MANIFOLD RUNNER CONTROL VALVE MOTOR (CLOSE)
55	Y	INTAKE MANIFOLD RUNNER CONTROL VALVE MOTOR (OPEN)

Connector No.	F52
Connector Name	ECM
Connector Type	MAB55FB-MEB10-LH
Connector Color	BLACK



Terminal No.	Color of Wire	Signal Name
56	–	–
57	–	–
58	–	–
59	–	–
60	B	ECM GROUND
61	–	–
62	BR	CRANKSHAFT POSITION SENSOR 2
63	W	SENSOR GROUND
64	SHIELD	SHIELD
65	–	–
66	L	SENSOR POWER SUPPLY
67	B	CAMSHAFT POSITION SENSOR
68	–	–
69	BR	EXHAUST VALVE TIMING CONTROL POSITION SENSOR
70	–	–
71	R	SENSOR GROUND
72	B	SENSOR GROUND
73	R	SENSOR POWER SUPPLY
74	W	AIR FUEL RATIO (A/F) SENSOR 1
75	–	–
76	–	–
77	BR	ENGINE INLET COOLANT TEMPERATURE SENSOR
78	B	SENSOR GROUND
79	B	AIR FUEL RATIO (A/F) SENSOR 1
80	W	THROTTLE POSITION SENSOR 2
81	P	ECM RELAY (SELF SHUT-OFF)
82	P	FUEL PUMP RELAY
83	R	SENSOR POWER SUPPLY
84	L	HEATED OXYGEN SENSOR 2
85	B	SENSOR GROUND
86	L	ENGINE COMMUNICATION LINE
87	–	–
88	G	THROTTLE POSITION SENSOR 1
89	–	–
90	–	–
91	–	–
92	–	–
93	–	–
94	GR	ENGINE COOLING ELECTRIC WATER PUMP RELAY
95	LG	IGNITION SIGNAL NO. 2
96	P	IGNITION SIGNAL NO. 1
97	V	THROTTLE CONTROL MOTOR RELAY
98	–	–
99	–	–
100	–	–
101	SB	IGNITION SIGNAL NO. 4
102	–	–
103	–	–
104	Y	IGNITION SIGNAL NO. 3
105	–	–
106	–	–
107	–	–
108	–	–
109	Y	ENGINE COOLING ELECTRIC WATER PUMP DRIVE SIGNAL
110	B	ECM GROUND
111	G	INTAKE VALVE TIMING CONTROL SOLENOID VALVE
112	GR	EXHAUST VALVE TIMING CONTROL SOLENOID VALVE
113	R	POWER SUPPLY FOR ECM (BACK-UP)
114	P	INTAKE VALVE TIMING INTERMEDIATE LOCK CONTROL SOLENOID VALVE
115	L	EVAP CANISTER PURGE VOLUME CONTROL SOLENOID VALVE
116	Y	AIR FUEL RATIO (A/F) SENSOR 1 HEATER
117	G	HEATED OXYGEN SENSOR 2 HEATER
118	LG	THROTTLE CONTROL MOTOR POWER SUPPLY
119	P	THROTTLE CONTROL MOTOR (OPEN)
120	L	THROTTLE CONTROL MOTOR (CLOSE)

Connector No.	F78
Connector Name	TRANSMISSION RANGE SWITCH
Connector Type	YDX06FB-HS4
Connector Color	BLACK



Terminal No.	Color of Wire	Signal Name
1	–	–
2	Y	D RANGE SW
3	–	–
4	R	VIGN
5	V	P RANGE SW
6	SB	L RANGE SW
7	Y	IGN AT LPG
8	G	R RANGE SW
9	R	N RANGE SW
10	BG	LI NP SW

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IGNITION POWER SUPPLY CONNECTORS

Connector No.	H10
Connector Name	HIGH VOLTAGE FUSE, FUSIBLE LINK AND RELAY BOX
Connector Type	24340_JA04D
Connector Color	–

H.S.



Terminal No.	Color of Wire	Signal Name
1	B	BATTERY

Connector No.	H12
Connector Name	FUSIBLE LINK BOX (BATTERY)
Connector Type	24340_79906
Connector Color	-

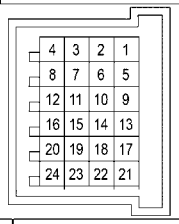
H.S.



Terminal No.	Color of Wire	Signal Name
6	B	BATTERY

Connector No.	M6
Connector Name	JOINT CONNECTOR-M01
Connector Type	NH24FGY-J
Connector Color	GRAY

H.S.

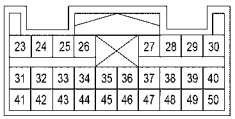


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Terminal No.	Color of Wire	Signal Name
1	GR	K-LINE
2	R	IGNITION
3	P	CAN-L
4	L	CAN-H
5	–	–
6	–	–
7	P	CAN-L
8	L	CAN-H
9	GR	K-LINE
10	R	IGNITION
11	P	CAN-L
12	L	CAN-H
13	P	CAN-L
14	L	CAN-H
15	P	CAN-L
16	L	CAN-H
17	P	CAN-L
18	L	CAN-H
19	P	CAN-L
20	L	CAN-H
21	P	CAN-L
22	L	CAN-H
23	P	CAN-L
24	L	CAN-H

Connector No.	M10
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	NH28FY-EX
Connector Color	YELLOW

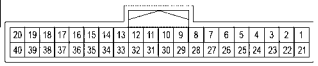
H.S.



Terminal No.	Color of Wire	Signal Name
23	L	AS2+
24	BG	AS2-
25	LG	AS1-
26	SB	AS1+
27	B	GND
28	V	DR2+
29	Y	DR1- & DR2-
30	G	DR1+
31	B	ECZS-
32	BR	RH DOOR-SAT-
33	–	–
34	R	LH DOOR-SAT-
35	–	–
36	–	–
37	–	–
38	–	–
39	B	GND
40	–	–
41	W	ECZS+
42	GR	RH DOOR-SAT+
43	–	–
44	G	LH DOOR-SAT+
45	P	CAN-L
46	L	CAN-H
47	GR	TELLTALE LAMP OFF
48	–	–
49	–	–
50	R	IGN

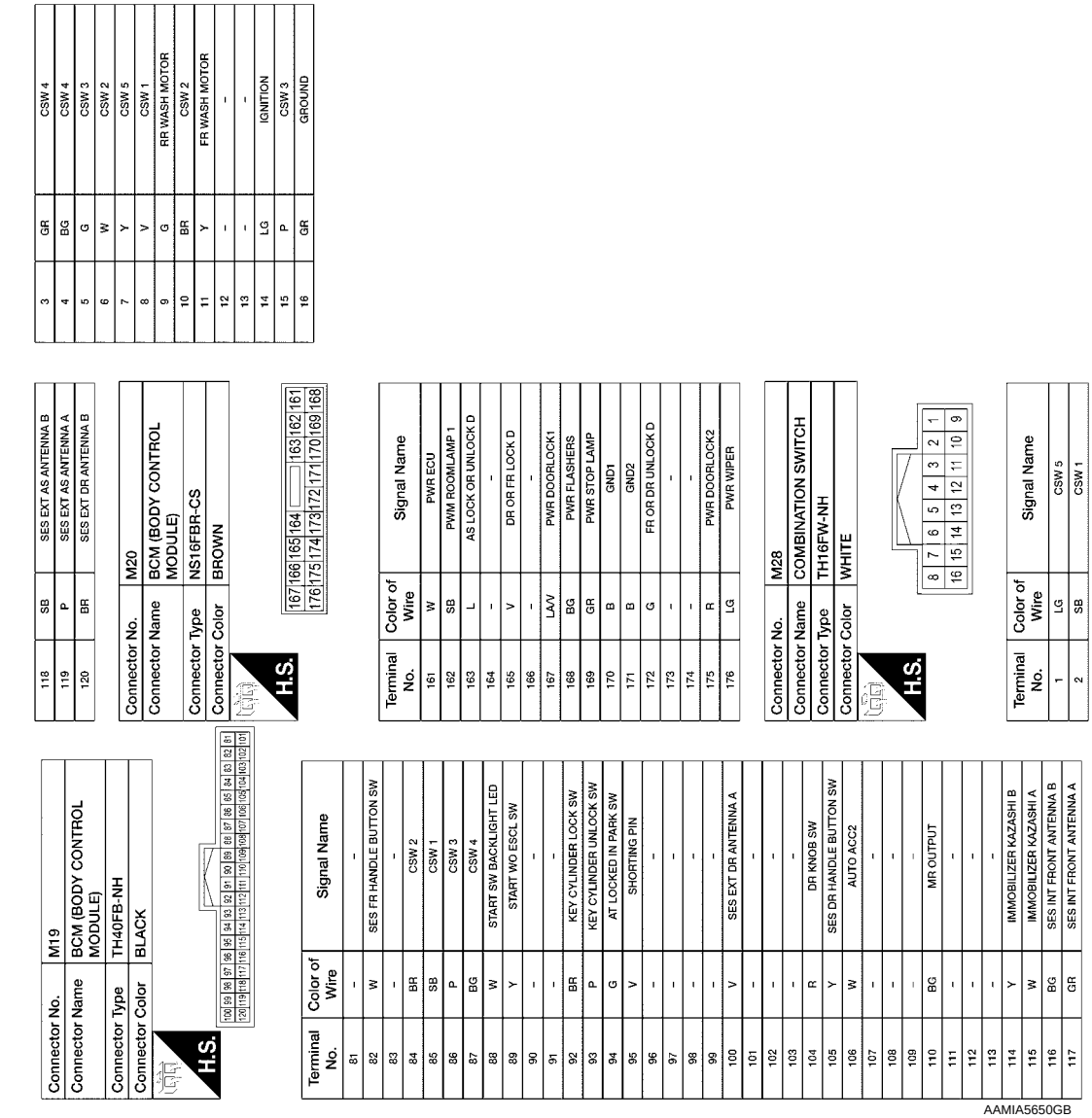
Connector No.	M18
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FGY-NH
Connector Color	GRAY

H.S.



Terminal No.	Color of Wire	Signal Name
1	L	LIN 3 D
2	LA/G	DI FR LEFT D
3	LA/Y	DI FR RIGHT D
4	P	SPARE4 RL N
5	R	CAN-L
6	L	CAN-H
7	–	–
8	L	CAN-H
9	R	CAN-L
10	BG	DOORLOCK SW
11	Y	HAZARD SW D
12	W	PWR AUTOLIGHT SENSOR
13	–	–
14	–	–
15	–	–
16	–	–
17	L	PWR ATDVC
18	–	–
19	LG	AUTOLIGHT SENSOR
20	–	–
21	–	–
22	–	–
23	G	WL AUTHORIZATION RL
24	LA/R	DEFROSTER RL D
25	BR	BAT TEMP1 RL
26	–	–
27	Y	IGN1 RL
28	LA/W	IGN2 RL
29	–	–
30	V	GND AUTOLIGHT SENSOR
31	–	–
32	–	–
33	LG	CSW 5
34	Y	CSW 5
35	BG	SECURITY LED
36	G	CSW 3
37	GR	CSW 4
38	V	CSW 1
39	W	CSW 2
40	SB	DOORUNLOCK SW

IGNITION POWER SUPPLY CONNECTORS



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IGNITION POWER SUPPLY CONNECTORS

Connector No.	M31
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
1J	–	TO ENGINE ROOM HARNESS
2J	R	TO ENGINE ROOM HARNESS
3J	–	TO ENGINE ROOM HARNESS
4J	–	TO ENGINE ROOM HARNESS
5J	–	TO ENGINE ROOM HARNESS
6J	–	TO ENGINE ROOM HARNESS
7J	–	TO ENGINE ROOM HARNESS
8J	–	TO ENGINE ROOM HARNESS
9J	W	TO ENGINE ROOM HARNESS
10J	–	TO ENGINE ROOM HARNESS
11J	–	TO ENGINE ROOM HARNESS
12J	–	TO ENGINE ROOM HARNESS
13J	–	TO ENGINE ROOM HARNESS
14J	–	TO ENGINE ROOM HARNESS
15J	–	TO ENGINE ROOM HARNESS
16J	–	TO ENGINE ROOM HARNESS
17J	–	TO ENGINE ROOM HARNESS
18J	–	TO ENGINE ROOM HARNESS
19J	–	TO ENGINE ROOM HARNESS
20J	–	TO ENGINE ROOM HARNESS
21J	LA/L	TO ENGINE ROOM HARNESS
22J	SHIELD	TO ENGINE ROOM HARNESS
23J	LG	TO ENGINE ROOM HARNESS
24J	V	TO ENGINE ROOM HARNESS
25J	L	TO ENGINE ROOM HARNESS
26J	BR	TO ENGINE ROOM HARNESS
27J	G	TO ENGINE ROOM HARNESS
28J	Y	TO ENGINE ROOM HARNESS
29J	L	TO ENGINE ROOM HARNESS
30J	V	TO ENGINE ROOM HARNESS
31J	–	TO ENGINE ROOM HARNESS
32J	–	TO ENGINE ROOM HARNESS
33J	R	TO ENGINE ROOM HARNESS
33J	Y	TO ENGINE ROOM HARNESS - (WITH DRIVER ASSISTNACE SYSTEM)
34J	L	TO ENGINE ROOM HARNESS
35J	BG	TO ENGINE ROOM HARNESS
36J	GR	TO ENGINE ROOM HARNESS
37J	Y	TO ENGINE ROOM HARNESS
38J	LA/BR	TO ENGINE ROOM HARNESS
39J	–	TO ENGINE ROOM HARNESS
40J	–	TO ENGINE ROOM HARNESS
41J	LA/R	TO ENGINE ROOM HARNESS
42J	W	TO ENGINE ROOM HARNESS
43J	L	TO ENGINE ROOM HARNESS
44J	B	TO ENGINE ROOM HARNESS
45J	SB	TO ENGINE ROOM HARNESS
46J	BR	TO ENGINE ROOM HARNESS
47J	W	TO ENGINE ROOM HARNESS
48J	R	TO ENGINE ROOM HARNESS
49J	SB	TO ENGINE ROOM HARNESS
50J	GR	TO ENGINE ROOM HARNESS
51J	W	TO ENGINE ROOM HARNESS
52J	R	TO ENGINE ROOM HARNESS
53J	BR	TO ENGINE ROOM HARNESS
54J	LG	TO ENGINE ROOM HARNESS
55J	LA/Y	TO ENGINE ROOM HARNESS
56J	LA/V	TO ENGINE ROOM HARNESS
57J	LA/R	TO ENGINE ROOM HARNESS
58J	W	TO ENGINE ROOM HARNESS
59J	BR	TO ENGINE ROOM HARNESS
60J	P	TO ENGINE ROOM HARNESS
61J	L	TO ENGINE ROOM HARNESS
62J	R	TO ENGINE ROOM HARNESS
63J	L	TO ENGINE ROOM HARNESS
64J	R	TO ENGINE ROOM HARNESS
65J	L	TO ENGINE ROOM HARNESS
66J	BG	TO ENGINE ROOM HARNESS
67J	–	TO ENGINE ROOM HARNESS
68J	–	TO ENGINE ROOM HARNESS
69J	G	TO ENGINE ROOM HARNESS
70J	L	TO ENGINE ROOM HARNESS
71J	–	TO ENGINE ROOM HARNESS
72J	–	TO ENGINE ROOM HARNESS
73J	–	TO ENGINE ROOM HARNESS
74J	–	TO ENGINE ROOM HARNESS
75J	–	TO ENGINE ROOM HARNESS
76J	–	TO ENGINE ROOM HARNESS
77J	–	TO ENGINE ROOM HARNESS
78J	–	TO ENGINE ROOM HARNESS
79J	SHIELD	TO ENGINE ROOM HARNESS
80J	B	TO ENGINE ROOM HARNESS
81J	W	TO ENGINE ROOM HARNESS
82J	–	TO ENGINE ROOM HARNESS
83J	–	TO ENGINE ROOM HARNESS
84J	–	TO ENGINE ROOM HARNESS
85J	–	TO ENGINE ROOM HARNESS
86J	–	TO ENGINE ROOM HARNESS
87J	–	TO ENGINE ROOM HARNESS
88J	–	TO ENGINE ROOM HARNESS
89J	–	TO ENGINE ROOM HARNESS
90J	–	TO ENGINE ROOM HARNESS
91J	–	TO ENGINE ROOM HARNESS
92J	Y	TO ENGINE ROOM HARNESS
93J	G	TO ENGINE ROOM HARNESS
94J	L	TO ENGINE ROOM HARNESS
95J	P	TO ENGINE ROOM HARNESS
96J	–	TO ENGINE ROOM HARNESS
97J	SB	TO ENGINE ROOM HARNESS
98J	P	TO ENGINE ROOM HARNESS
99J	LA/R	TO ENGINE ROOM HARNESS
100J	R	TO ENGINE ROOM HARNESS

Connector No.	M33
Connector Name	FUSE BLOCK (J/B)
Connector Type	CS06FW-M2
Connector Color	WHITE

H.S.

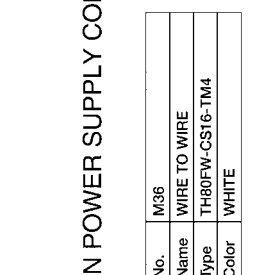
Terminal No.	Color of Wire	Signal Name
1N	L	ACCESSORY RELAY 1 OUTPUT
2N	LG	BATTERY
3N	Y	FRONT BLOWER MOTOR RELAY OUTPUT
4N	LG	BATTERY
5N	R	BATTERY
6N	BG	BATTERY
7N	BR	ACCESSORY RELAY-1 CONTROL
8N	SB	FRONT BLOWER MOTOR RELAY OUTPUT

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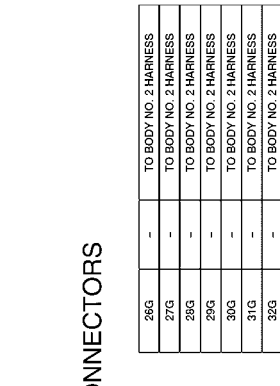
IGNITION POWER SUPPLY CONNECTORS

Connector No.	M36
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4
Connector Color	WHITE

H.S.



Terminal No.	Color of Wire	Signal Name
1G	LA/R	TO BODY NO. 2 HARNESS
2G	W	TO BODY NO. 2 HARNESS
3G	Y	TO BODY NO. 2 HARNESS
4G	BG	TO BODY NO. 2 HARNESS
5G	G	TO BODY NO. 2 HARNESS
6G	SB	TO BODY NO. 2 HARNESS
7G	P	TO BODY NO. 2 HARNESS
8G	LA/Y	TO BODY NO. 2 HARNESS
9G	LA/W	TO BODY NO. 2 HARNESS
10G	R	TO BODY NO. 2 HARNESS
11G	G	TO BODY NO. 2 HARNESS
12G	L	TO BODY NO. 2 HARNESS
13G	BR	TO BODY NO. 2 HARNESS
14G	–	TO BODY NO. 2 HARNESS
15G	Y	TO BODY NO. 2 HARNESS
16G	–	TO BODY NO. 2 HARNESS
17G	–	TO BODY NO. 2 HARNESS
18G	R	TO BODY NO. 2 HARNESS
19G	LA/R	TO BODY NO. 2 HARNESS
20G	W	TO BODY NO. 2 HARNESS
21G	BR	TO BODY NO. 2 HARNESS
22G	P	TO BODY NO. 2 HARNESS
23G	L	TO BODY NO. 2 HARNESS
24G	W	TO BODY NO. 2 HARNESS
25G	L	TO BODY NO. 2 HARNESS



26G	–	TO BODY NO. 2 HARNESS
27G	–	TO BODY NO. 2 HARNESS
28G	–	TO BODY NO. 2 HARNESS
29G	–	TO BODY NO. 2 HARNESS
30G	–	TO BODY NO. 2 HARNESS
31G	–	TO BODY NO. 2 HARNESS
32G	–	TO BODY NO. 2 HARNESS
33G	–	TO BODY NO. 2 HARNESS
34G	V	TO BODY NO. 2 HARNESS
35G	BR	TO BODY NO. 2 HARNESS
36G	SHIELD	TO BODY NO. 2 HARNESS
37G	LG	TO BODY NO. 2 HARNESS
38G	V	TO BODY NO. 2 HARNESS
39G	SHIELD	TO BODY NO. 2 HARNESS
40G	G	TO BODY NO. 2 HARNESS
41G	R	TO BODY NO. 2 HARNESS
42G	–	TO BODY NO. 2 HARNESS
43G	–	TO BODY NO. 2 HARNESS
44G	BG	TO BODY NO. 2 HARNESS
45G	SHIELD	TO BODY NO. 2 HARNESS
46G	L	TO BODY NO. 2 HARNESS
47G	Y	TO BODY NO. 2 HARNESS
48G	SHIELD	TO BODY NO. 2 HARNESS
49G	W	TO BODY NO. 2 HARNESS
50G	R	TO BODY NO. 2 HARNESS
51G	–	TO BODY NO. 2 HARNESS
52G	–	TO BODY NO. 2 HARNESS
53G	–	TO BODY NO. 2 HARNESS
54G	–	TO BODY NO. 2 HARNESS
55G	–	TO BODY NO. 2 HARNESS
56G	–	TO BODY NO. 2 HARNESS
57G	–	TO BODY NO. 2 HARNESS
58G	–	TO BODY NO. 2 HARNESS
59G	–	TO BODY NO. 2 HARNESS
60G	GR	TO BODY NO. 2 HARNESS
61G	BR	TO BODY NO. 2 HARNESS
62G	–	TO BODY NO. 2 HARNESS
63G	–	TO BODY NO. 2 HARNESS
64G	–	TO BODY NO. 2 HARNESS
65G	–	TO BODY NO. 2 HARNESS
66G	–	TO BODY NO. 2 HARNESS
67G	–	TO BODY NO. 2 HARNESS
68G	–	TO BODY NO. 2 HARNESS
69G	–	TO BODY NO. 2 HARNESS
70G	–	TO BODY NO. 2 HARNESS
71G	–	TO BODY NO. 2 HARNESS
72G	–	TO BODY NO. 2 HARNESS
73G	–	TO BODY NO. 2 HARNESS
74G	–	TO BODY NO. 2 HARNESS
76G	–	TO BODY NO. 2 HARNESS
77G	–	TO BODY NO. 2 HARNESS
78G	LA/Y	TO BODY NO. 2 HARNESS
79G	LA/W	TO BODY NO. 2 HARNESS

80G	LA/B	TO BODY NO. 2 HARNESS
81G	LA/L	TO BODY NO. 2 HARNESS
82G	–	TO BODY NO. 2 HARNESS
83G	–	TO BODY NO. 2 HARNESS
84G	–	TO BODY NO. 2 HARNESS
85G	–	TO BODY NO. 2 HARNESS
86G	–	TO BODY NO. 2 HARNESS
87G	–	TO BODY NO. 2 HARNESS
88G	–	TO BODY NO. 2 HARNESS
89G	–	TO BODY NO. 2 HARNESS
90G	–	TO BODY NO. 2 HARNESS
91G	R	TO BODY NO. 2 HARNESS
92G	LA/L	TO BODY NO. 2 HARNESS
93G	W	TO BODY NO. 2 HARNESS
94G	LG	TO BODY NO. 2 HARNESS
95G	GR	TO BODY NO. 2 HARNESS
96G	SB	TO BODY NO. 2 HARNESS
97G	LA/BR	TO BODY NO. 2 HARNESS
98G	GR	TO BODY NO. 2 HARNESS
99G	Y	TO BODY NO. 2 HARNESS
100G	V	TO BODY NO. 2 HARNESS

Connector No.	M44
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS16FW-CS
Connector Color	WHITE

H.S.

7P	6P	5P	4P		3P	2P	1P
16P	15P	14P	13P	12P	11P	10P	9P	8P

Terminal No.	Color of Wire	Signal Name
1P	R	IGNITION
2P	G	IGNITION
3P	Y	IGNITION RELAY-2 CONTROL
4P	LG	REAR WINDOW DEFOGGER RELAY OUTPUT
5P	GR	REAR WINDOW DEFOGGER RELAY OUTPUT
6P	LA/R	REAR WINDOW DEFOGGER RELAY CONTROL
7P	Y	IGNITION
8P	V	IGNITION
9P	L	BATTERY
10P	LG	IGNITION
11P	–	–
12P	–	–
13P	G	BATTERY
14P	–	–

15P	L
16P	LA/W

BATTERY

FRONT BLOWER MOTOR RELAY CONTROL

Connector No.	M68
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS16FBR-CS
Connector Color	BROWN

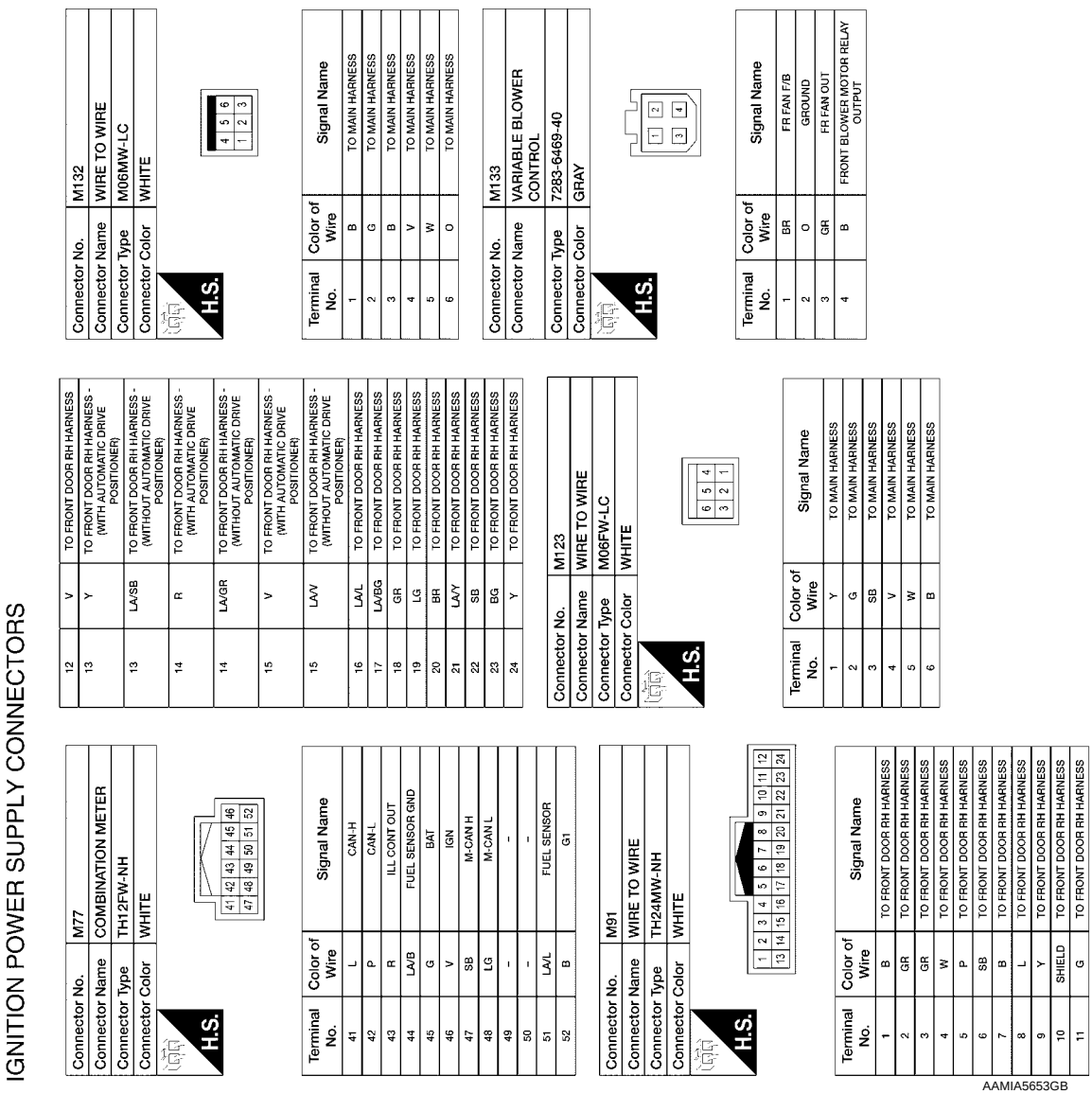
H.S.

7R	6R	5R	4R		3R	2R	1R
16R	15R	14R	13R	12R	11R	10R	9R	8R

Terminal No.	Color of Wire	Signal Name
1R	V	ILLUMINATION +
2R	G	IGNITION
3R	V	BATTERY
4R	–	–
5R	–	–
6R	LA/L	ACCESSORY
7R	LA/V	BATTERY
8R	–	–
9R	–	–
10R	GR	BATTERY
11R	–	–
12R	–	–
13R	–	–
14R	W	BATTERY
15R	W	BATTERY
16R	GR	ACCESSORY

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IGNITION POWER SUPPLY CONNECTORS



IGNITION POWER SUPPLY CONNECTORS

Connector No.	M168
Connector Name	WIRE TO WIRE
Connector Type	TH32MW-NH
Connector Color	WHITE

H.S.

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	32

Terminal No.	Color of Wire	Signal Name
1	Y	TO FRONT DOOR LH HARNESS
2	GR	TO FRONT DOOR LH HARNESS
3	SB	TO FRONT DOOR LH HARNESS - (WITH AUTOMATIC DRIVE POSITIONER)
3	Y	TO FRONT DOOR LH HARNESS - (WITHOUT AUTOMATIC DRIVE POSITIONER)
4	BG	TO FRONT DOOR LH HARNESS - (WITH AUTOMATIC DRIVE POSITIONER)
4	V	TO FRONT DOOR LH HARNESS - (WITHOUT AUTOMATIC DRIVE POSITIONER)
5	Y	TO FRONT DOOR LH HARNESS - (WITH AUTOMATIC DRIVE POSITIONER)
5	BR	TO FRONT DOOR LH HARNESS - (WITHOUT AUTOMATIC DRIVE POSITIONER)
6	V	TO FRONT DOOR LH HARNESS - (WITH AUTOMATIC DRIVE POSITIONER)
6	LG	TO FRONT DOOR LH HARNESS - (WITHOUT AUTOMATIC DRIVE POSITIONER)
7	Y	TO FRONT DOOR LH HARNESS
8	V	TO FRONT DOOR LH HARNESS
9	BR	TO FRONT DOOR LH HARNESS
10	LG	TO FRONT DOOR LH HARNESS
11	L	TO FRONT DOOR LH HARNESS
12	Y	TO FRONT DOOR LH HARNESS
13	G	TO FRONT DOOR LH HARNESS
14	SHIELD	TO FRONT DOOR LH HARNESS
15	SB	TO FRONT DOOR LH HARNESS
16	BG	TO FRONT DOOR LH HARNESS
17	GR	TO FRONT DOOR LH HARNESS - (WITHOUT AUTOMATIC DRIVE POSITIONER)
17	SB	TO FRONT DOOR LH HARNESS - (WITH AUTOMATIC DRIVE POSITIONER)
18	W	TO FRONT DOOR LH HARNESS - (WITH AUTOMATIC DRIVE POSITIONER)
18	LA/SB	TO FRONT DOOR LH HARNESS - (WITHOUT AUTOMATIC DRIVE POSITIONER)
19	BR	TO FRONT DOOR LH HARNESS - (WITH AUTOMATIC DRIVE POSITIONER)
19	LA/GR	TO FRONT DOOR LH HARNESS - (WITHOUT AUTOMATIC DRIVE POSITIONER)
20	GR	TO FRONT DOOR LH HARNESS - (WITH AUTOMATIC DRIVE POSITIONER)
20	LA/V	TO FRONT DOOR LH HARNESS - (WITHOUT AUTOMATIC DRIVE POSITIONER)
21	BR	TO FRONT DOOR LH HARNESS
22	W	TO FRONT DOOR LH HARNESS
23	R	TO FRONT DOOR LH HARNESS - (WITH AUTOMATIC DRIVE POSITIONER)
23	LA/R	TO FRONT DOOR LH HARNESS - (WITHOUT AUTOMATIC DRIVE POSITIONER)
24	GR	TO FRONT DOOR LH HARNESS
25	R	TO FRONT DOOR LH HARNESS - LED INDICATOR L
26	LA/G	TO FRONT DOOR LH HARNESS
27	LG	TO FRONT DOOR LH HARNESS
28	L	TO FRONT DOOR LH HARNESS
29	Y	TO FRONT DOOR LH HARNESS
30	V	TO FRONT DOOR LH HARNESS
31	G	TO FRONT DOOR LH HARNESS
32	P	TO FRONT DOOR LH HARNESS

Connector No.	M196
Connector Name	FRONT HEATED SEAT SWITCH RH
Connector Type	NS06FBR-CS
Connector Color	BROWN

H.S.

1		2
3	4	5	6

Terminal No.	Color of Wire	Signal Name
1	G	ILL CONT OUT
2	B	GROUND
3	B	GROUND
4	LA/Y	HEATER LO
5	R	IGNITION
6	LA/W	HEATER HI

Connector No.	M197
Connector Name	FRONT HEATED SEAT SWITCH LH
Connector Type	NS06FW-CS
Connector Color	WHITE

H.S.

1		2
3	4	5	6

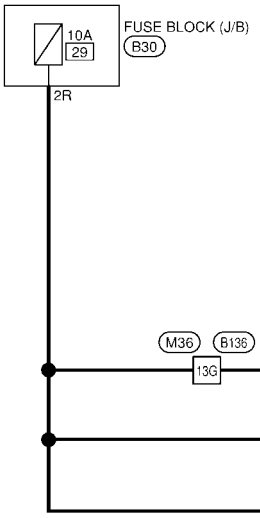
Terminal No.	Color of Wire	Signal Name
1	L	ILL CONT OUT
2	B	GROUND
3	B	GROUND
4	LA/L	HEATER LO
5	G	IGNITION
6	LA/BR	HEATER HI

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Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 29 -

INFOID:0000000015219525

IGNITION POWER SUPPLY FUSE No. 29



Connector No.	Terminal No.	Connect to
B105	5	SIDE RADAR RH
M56	4	STEERING ANGLE SENSOR
M148	3	ADAS CONTROL UNIT 2

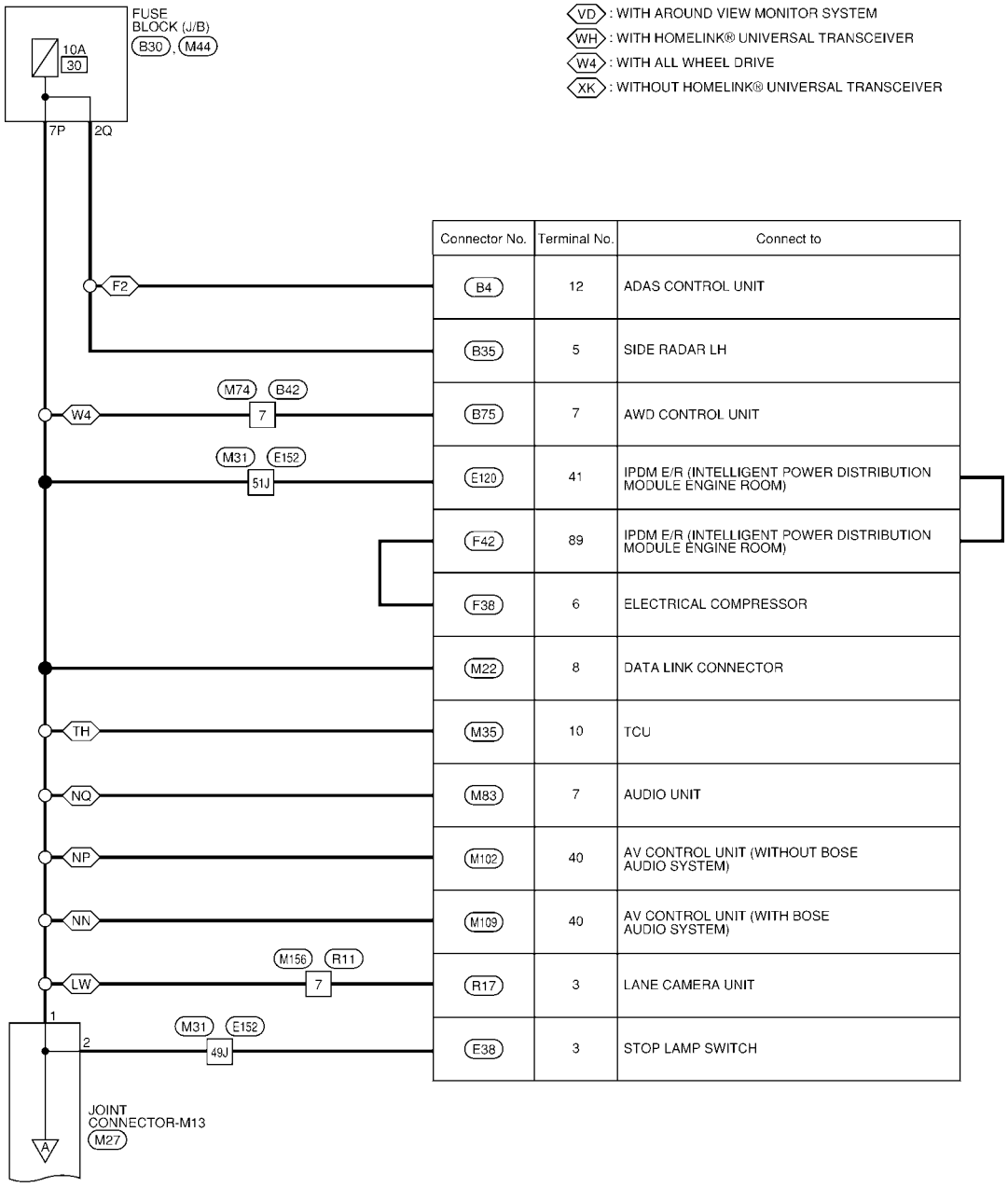
AAMIA5655GB

Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 30 -

INFOID:0000000015219526

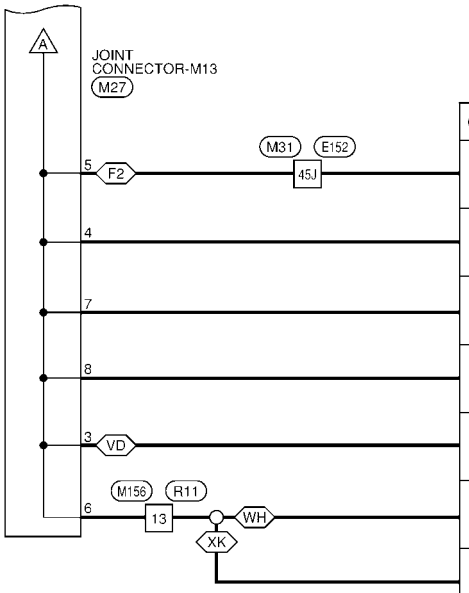
IGNITION POWER SUPPLY FUSE No. 30

F2 : WITH FORWARD EMERGENCY BRAKING
LW : WITH LANE DEPARTURE PREVENTION SYSTEM
NN : WITH NAVIGATION SYSTEM AND BOSE AUDIO SYSTEM
NP : WITH NAVIGATION SYSTEM WITHOUT BOSE AUDIO SYSTEM
NQ : WITH DISPLAY AUDIO SYSTEM
TH : WITH TELEMATICS SYSTEM
VD : WITH AROUND VIEW MONITOR SYSTEM
WH : WITH HOMELINK® UNIVERSAL TRANSCEIVER
W4 : WITH ALL WHEEL DRIVE
XK : WITHOUT HOMELINK® UNIVERSAL TRANSCEIVER



Connector No.	Terminal No.	Connect to
B4	12	ADAS CONTROL UNIT
B35	5	SIDE RADAR LH
B75	7	AWD CONTROL UNIT
E120	41	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
F42	89	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
F38	6	ELECTRICAL COMPRESSOR
M22	8	DATA LINK CONNECTOR
M35	10	TCU
M83	7	AUDIO UNIT
M102	40	AV CONTROL UNIT (WITHOUT BOSE AUDIO SYSTEM)
M109	40	AV CONTROL UNIT (WITH BOSE AUDIO SYSTEM)
R17	3	LANE CAMERA UNIT
E38	3	STOP LAMP SWITCH

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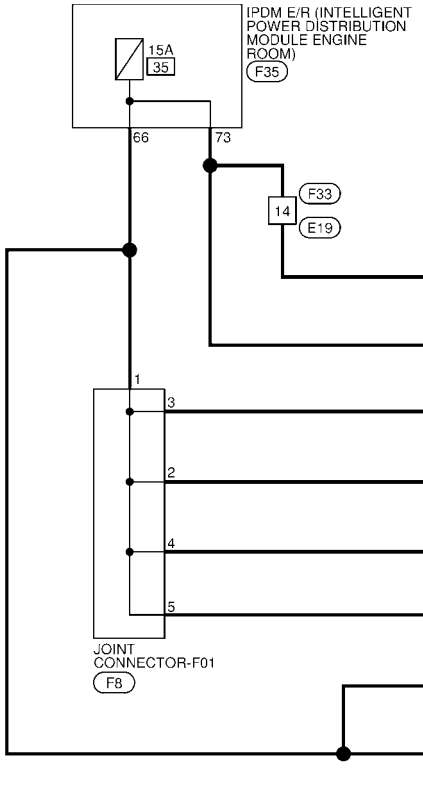
Connector No.	Terminal No.	Connect to
E21	8	DISTANCE SENSOR
M29	5	3CH CAN GATEWAY
M49	4	EPS CONTROL UNIT
M96	10	CHASSIS CONTROL MODULE
M112	40	AROUND VIEW MONITOR CONTROL UNIT
R7	6	AUTO ANTI-DAZZLING INSIDE MIRROR (WITH HOMELINK® UNIVERSAL TRANSCEIVER)
R9	1	AUTO ANTI-DAZZLING INSIDE MIRROR (WITHOUT HOMELINK® UNIVERSAL TRANSCEIVER)

AAMIA5657GB

Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 35 -

INFOID:0000000015219527

IGNITION POWER SUPPLY FUSE No. 35



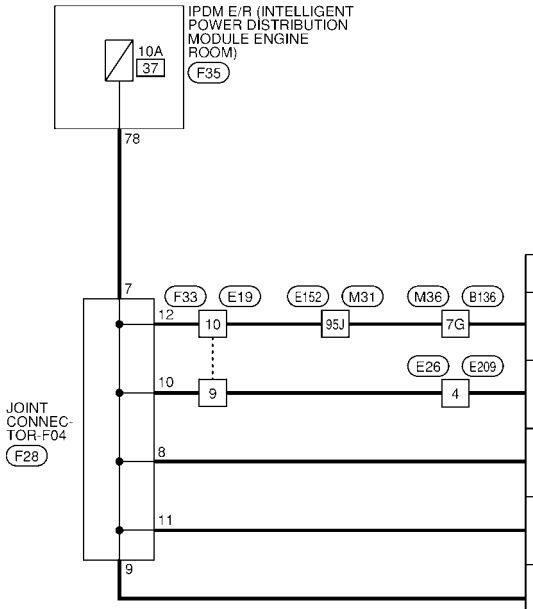
Connector No.	Terminal No.	Connect to
E16	145	ECM
F16	1	EVAP CANISTER PURGE VOLUME CONTROL SOLENOID VALVE
F46	3	IGNITION COIL NO. 2 (WITH POWER TRANSISTOR)
F47	3	IGNITION COIL NO. 1 (WITH POWER TRANSISTOR)
F48	3	IGNITION COIL NO. 3 (WITH POWER TRANSISTOR)
F49	3	IGNITION COIL NO. 4 (WITH POWER TRANSISTOR)
F63	2	FUEL INJECTOR RELAY
H-2	1	HIGH PRESSURE FUEL PUMP RELAY

AAMIA5658GB

Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 37 -

INFOID:0000000015219528

IGNITION POWER SUPPLY FUSE No. 37



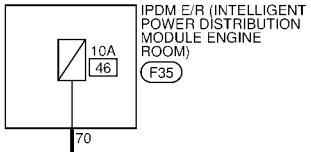
Connector No.	Terminal No.	Connect to
B135	1	EVAP CANISTER VENT CONTROL VALVE
E249	1	ACTIVE GRILLE SHUTTER
F24	2	EXHAUST VALVE TIMING CONTROL SOLENOID VALVE
F25	1	INTAKE VALVE TIMING CONTROL SOLENOID VALVE
F37	1	INTAKE VALVE TIMING INTERMEDIATE LOCK CONTROL SOLENOID VALVE

AAMIA5659GB

Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 46 -

INFOID:0000000015219529

IGNITION POWER SUPPLY FUSE No. 46



Connector No.	Terminal No.	Connect to
F75	47	TCM (TRANSMISSION CONTROL MODULE)
F75	48	TCM (TRANSMISSION CONTROL MODULE)
F76	3	PRIMARY SPEED SENSOR
F77	3	OUTPUT SPEED SENSOR
F78	4	TRANSMISSION RANGE SWITCH
F78	7	TRANSMISSION RANGE SWITCH
F80	6	ELECTRIC OIL PUMP
H-4	1	ELECTRIC OIL PUMP RELAY

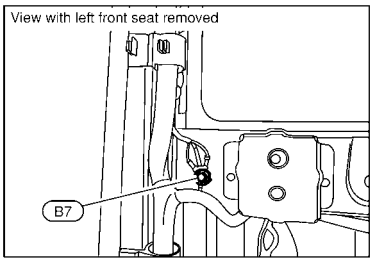
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GROUND

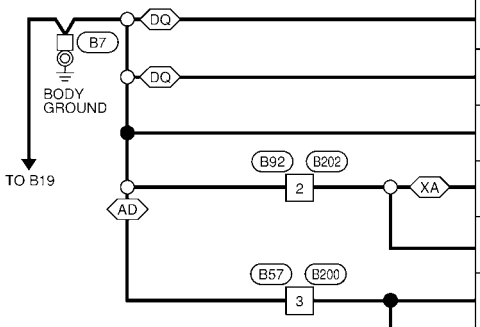
Ground Distribution

INFOID:0000000014622706

BODY HARNESS

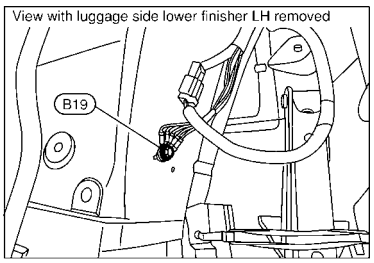


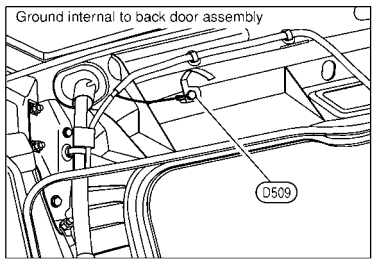
AD : WITH AUTOMATIC DRIVE POSITIONER
DQ : WITH DRIVER ASSISTANCE SYSTEM
XA : WITHOUT AUTOMATIC DRIVE POSITIONER



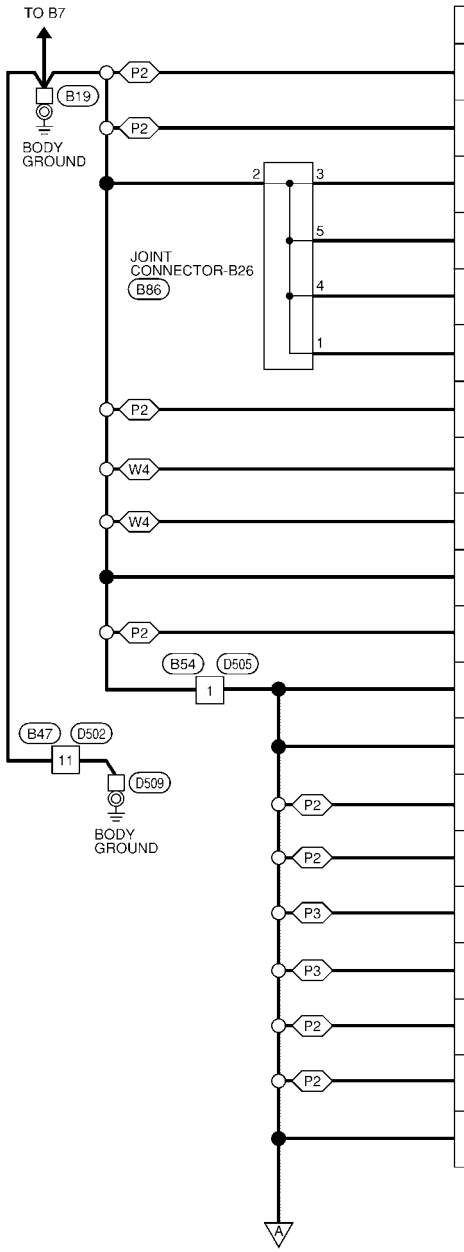
CONNECTOR NO.	TERMINAL NO.	CONNECT TO
B4	5	ADAS CONTROL UNIT
B35	8	SIDE RADAR LH
B87	2	SEAT BELT BUCKLE SWITCH LH
B205	1	POWER SEAT SWITCH LH (WITHOUT AUTOMATIC DRIVE POSITIONER)
B209	2	FRONT SEAT HEATER LH
B214	39	DRIVER SEAT CONTROL UNIT
B215	3	POWER SEAT SWITCH (WITH AUTOMATIC DRIVE POSITIONER)
B216	3	SLIDING MOTOR LF (WITH AUTOMATIC DRIVE POSITIONER)
B217	2	RECLINING MOTOR LH (WITH AUTOMATIC DRIVE POSITIONER)
B218	3	LIFTING MOTOR LH (REAR) (WITH AUTOMATIC DRIVE POSITIONER)

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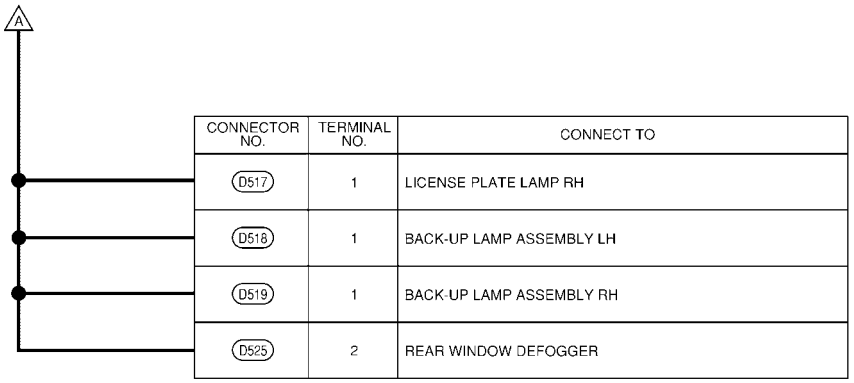


P2 : WITH AUTOMATIC BACK DOOR
P3 : WITHOUT AUTOMATIC BACK DOOR
W4 : WITH ALL WHEEL DRIVE

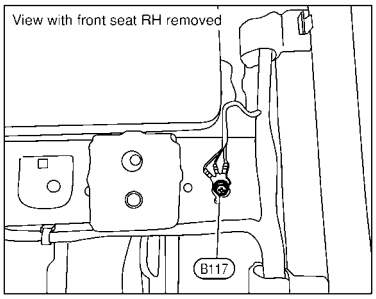


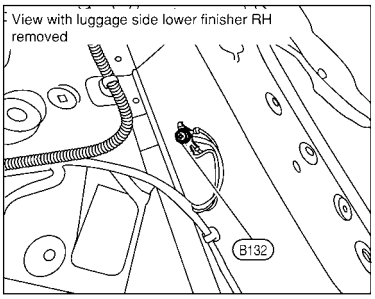
CONNECTOR NO.	TERMINAL NO.	CONNECT TO
B55	4	AUTOMATIC BACK DOOR CONTROL MODULE
B56	32	AUTOMATIC BACK DOOR CONTROL MODULE
B59	2	LI-ION BATTERY
B59	7	LI-ION BATTERY
B59	14	LI-ION BATTERY
B59	24	LI-ION BATTERY
B61	2	AUTOMATIC BACK DOOR CONTROL WARNING BUZZER
B75	10	AWD CONTROL UNIT
B75	11	AWD CONTROL UNIT
B90	4	REAR COMBINATION LAMP LH
B96	3	MOTION ACTIVATED BACK DOOR CONTROL UNIT
D503	2	HIGH-MOUNTED STOP LAMP
D506	3	REAR WIPER MOTOR
D507	2	BACK DOOR OPENER SWITCH
D507	3	BACK DOOR OPENER SWITCH
D508	2	BACK DOOR LOCK ASSEMBLY
D508	4	BACK DOOR LOCK ASSEMBLY
D512	8	BACK DOOR LOCK ASSEMBLY
D513	2	AUTOMATIC BACK DOOR CLOSE SWITCH
D516	1	LICENSE PLATE LAMP LH

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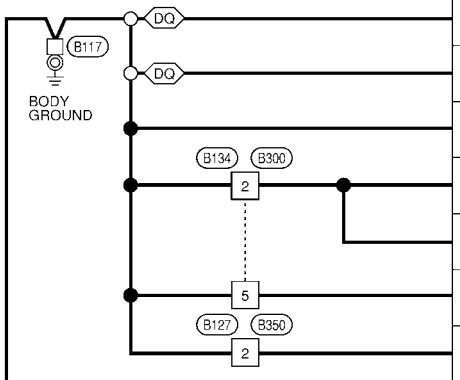


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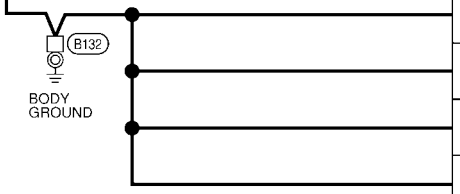




DQ : WITH DRIVER ASSISTANCE SYSTEM

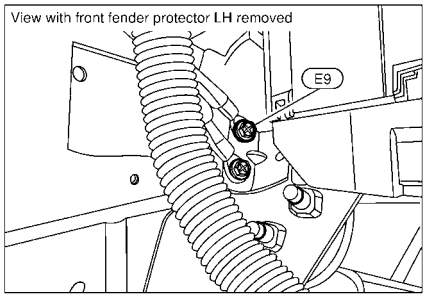


CONNECTOR NO.	TERMINAL NO.	CONNECT TO
B105	3	SIDE RADAR RH
B105	8	SIDE RADAR RH
B137	12	BOSE SPEAKER AMP.
B301	1	POWER SEAT SWITCH RH
B306	2	FRONT SEAT HEATER RH
B307	4	SEAT BELT BUCKLE SWITCH RH
B353	2	OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT

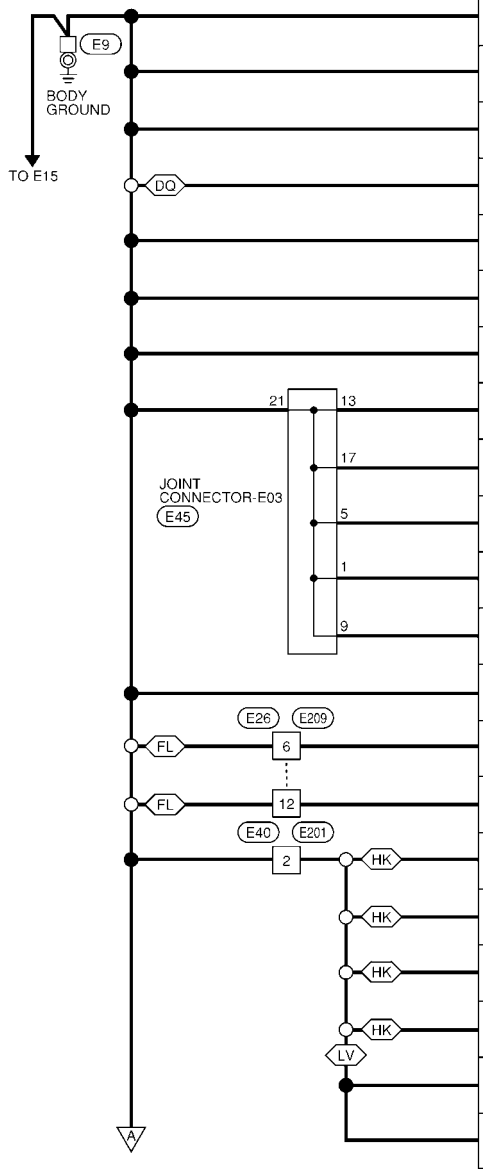


CONNECTOR NO.	TERMINAL NO.	CONNECT TO
B102	4	REAR COMBINATION LAMP RH
B103	4	FUEL LEVEL SENSOR UNIT AND FUEL PUMP (MAIN)
B114	3	REAR CARGO POWER SOCKET
B163	4	BATTERY COOLING FAN

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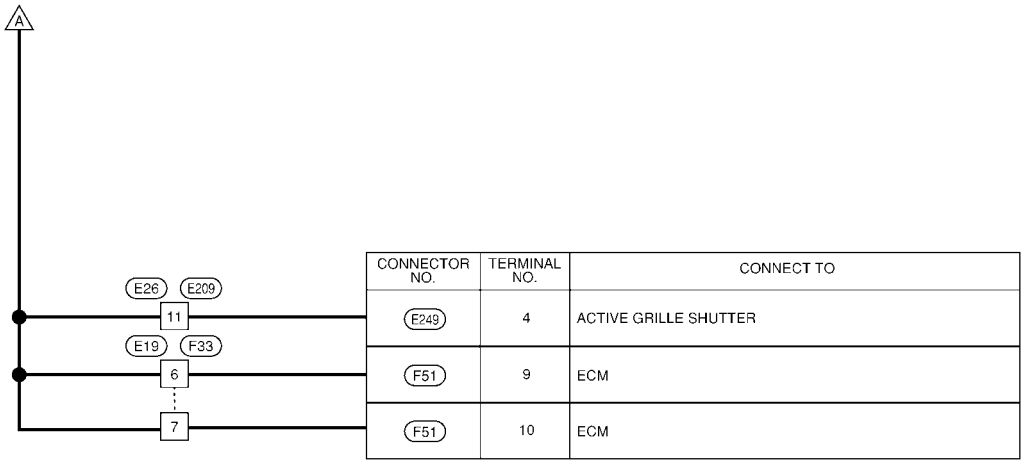


DQ : WITH DRIVER ASSISTANCE SYSTEM
FL : WITH FRONT FOG LAMPS
HK : WITH HALOGEN HEADLAMPS
LV : WITH LED HEADLAMPS



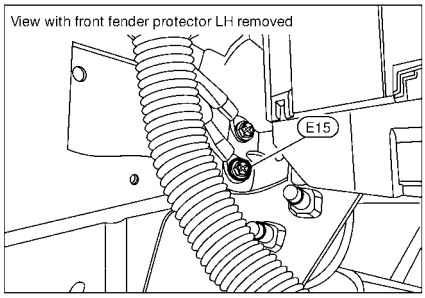
CONNECTOR NO.	TERMINAL NO.	CONNECT TO
E16	147	ECM
E16	149	ECM
E16	152	ECM
E21	1	DISTANCE SENSOR
E35	1	HYDRAULIC BRAKE BOOSTER UNIT
E48	2	HORN (LOW)
E63	2	BRAKE FLUID LEVEL SWITCH
E66	-	BRAKE STROKE SENSOR SHIELD
E132	50	HPCM
E132	54	HPCM
E132	57	HPCM
V-1	2	SELF SHUT OFF RELAY
E103	2	FRONT COMBINATION LAMP RH (TURN SIGNAL)
E221	2	FRONT FOG LAMP RH
E222	2	FRONT FOG LAMP LH
E233	5	FRONT COMBINATION LAMP RH (LOW BEAM)
E233	8	FRONT COMBINATION LAMP RH (SIDE MARKER)
E234	11	FRONT COMBINATION LAMP RH (DTRL, PARKING)
E234	14	FRONT COMBINATION LAMP RH (HIGH BEAM)
E240	4	FRONT COMBINATION LAMP RH (LED HEADLAMP CONTROL UNIT)
E240	11	FRONT COMBINATION LAMP RH (SIDE MARKER, PARKING, TURN SIGNAL)

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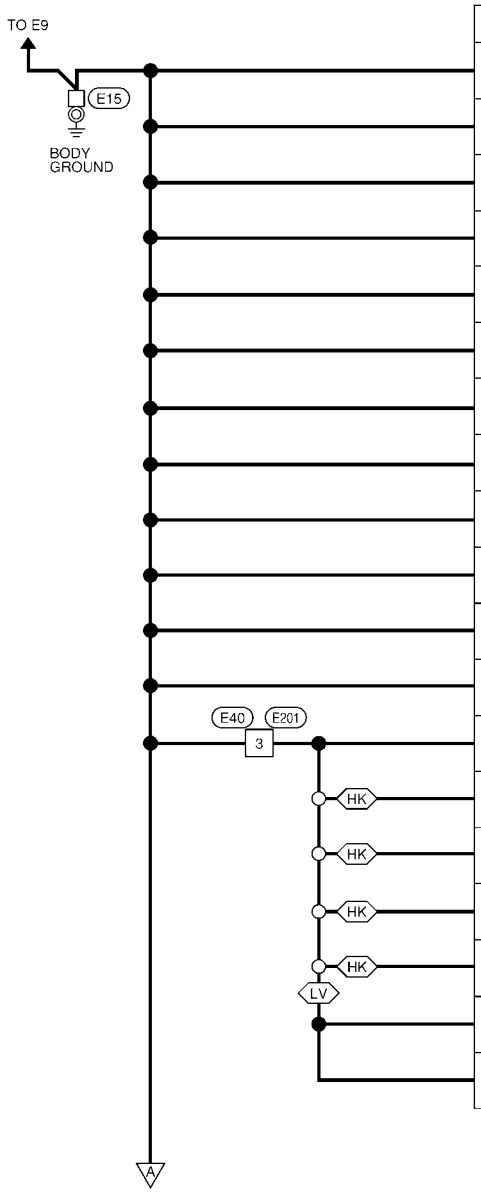


CONNECTOR NO.	TERMINAL NO.	CONNECT TO
E249	4	ACTIVE GRILLE SHUTTER
F51	9	ECM
F51	10	ECM

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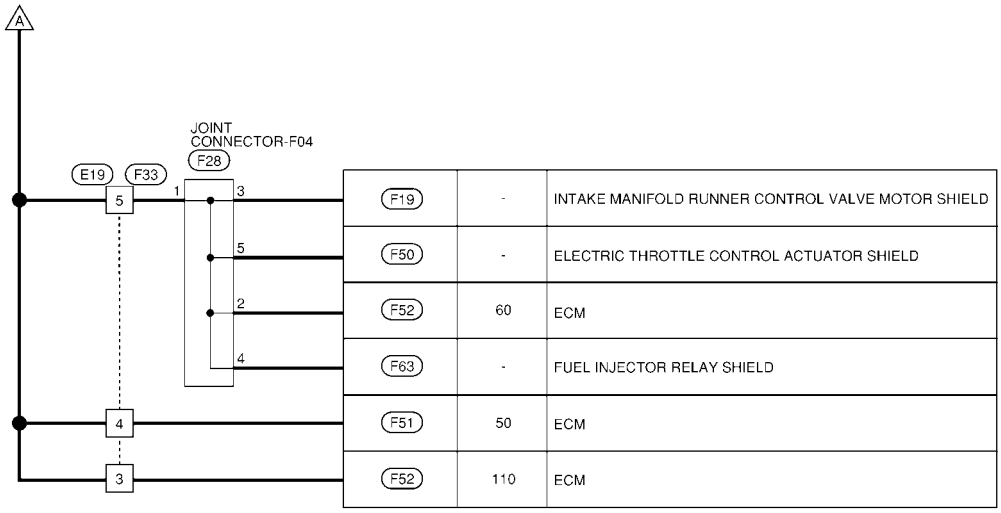


HK : WITH HALOGEN HEADLAMPS
LV : WITH LED HEADLAMPS



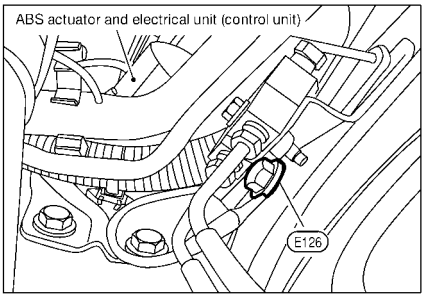
CONNECTOR NO.	TERMINAL NO.	CONNECT TO
E20	2	FRONT WIPER MOTOR
E24	3	INTELLIGENT KEY WARNING BUZZER
E35	2	HYDRAULIC BRAKE BOOSTER UNIT
E46	2	HORN
E82	2	WASHER FLUID LEVEL SWITCH
E105	2	FRONT COMBINATION LAMP RH (TURN SIGNAL)
E119	12	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
E120	31	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
E121	47	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
E130	108	HPCM
E130	112	HPCM
E154	2	APPROACHING VEHICLE SOUND FOR PEDESTRIANS (VSP) CONTROL UNIT
E223	3	HOOD SWITCH
E235	5	FRONT COMBINATION LAMP LH (LOW BEAM)
E235	8	FRONT COMBINATION LAMP RH (SIDE MARKER)
E236	11	FRONT COMBINATION LAMP RH (DTRL, PARKING)
E236	14	FRONT COMBINATION LAMP RH (HIGH BEAM)
E239	11	FRONT COMBINATION LAMP RH (LED HEADLAMP CONTROL UNIT)
E239	4	FRONT COMBINATION LAMP RH (SIDE MARKER, PARKING, TURN SIGNAL)

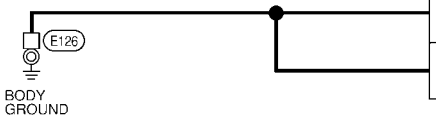
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F19	-	INTAKE MANIFOLD RUNNER CONTROL VALVE MOTOR SHIELD
F50	-	ELECTRIC THROTTLE CONTROL ACTUATOR SHIELD
F52	60	ECM
F63	-	FUEL INJECTOR RELAY SHIELD
F51	50	ECM
F52	110	ECM

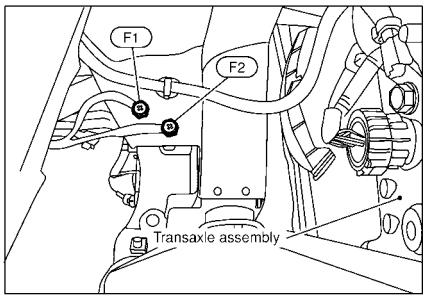
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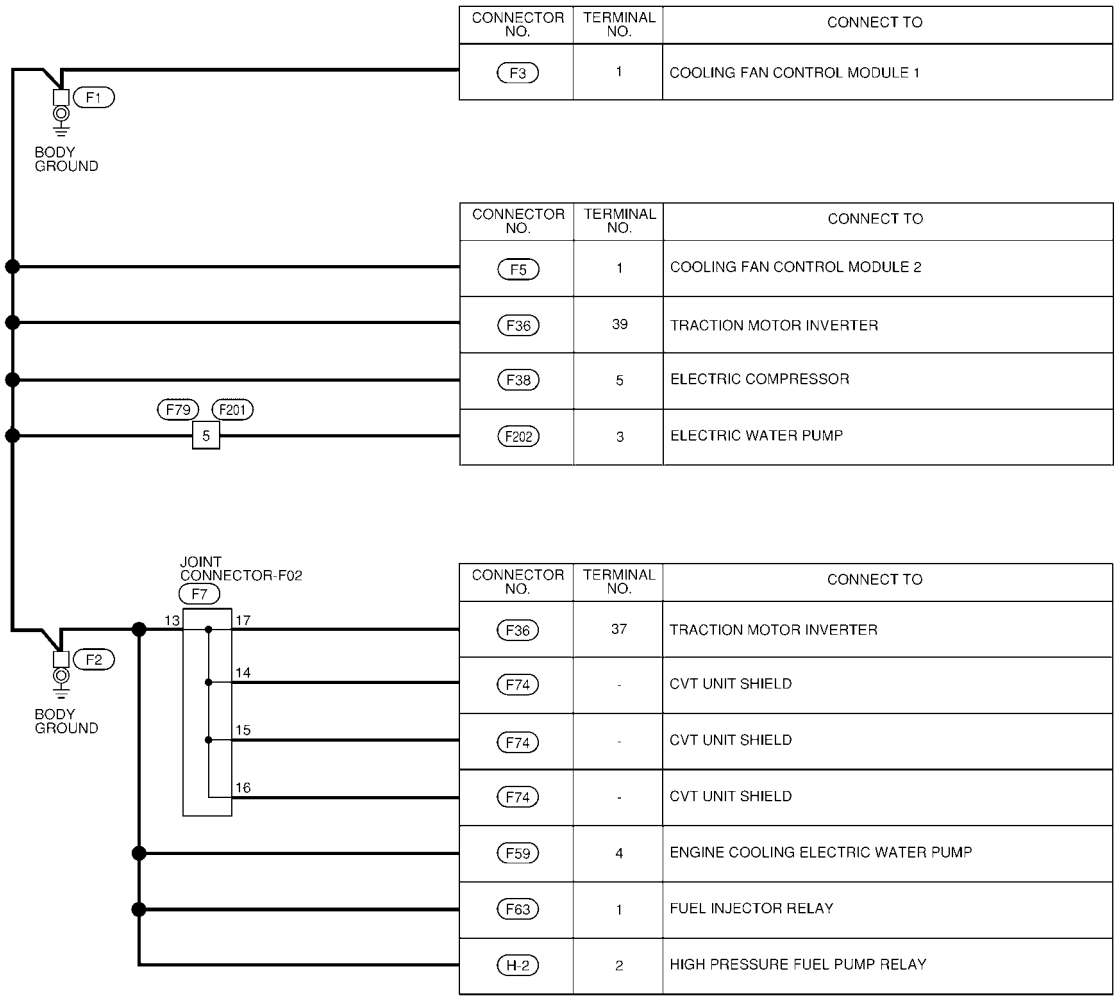




CONNECTOR NO.	TERMINAL NO.	CONNECT TO
E125	2	ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)
E125	4	ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)

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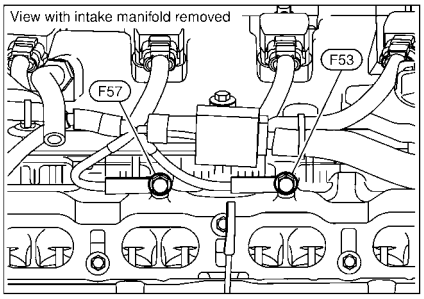


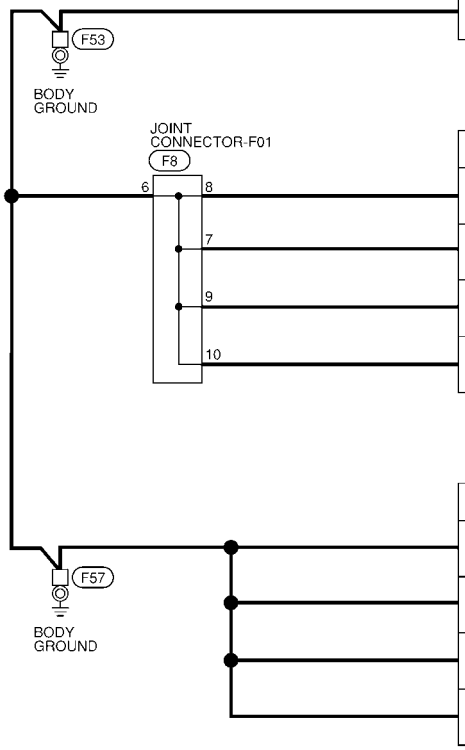
CONNECTOR NO.	TERMINAL NO.	CONNECT TO
F3	1	COOLING FAN CONTROL MODULE 1

CONNECTOR NO.	TERMINAL NO.	CONNECT TO
F5	1	COOLING FAN CONTROL MODULE 2
F36	39	TRACTION MOTOR INVERTER
F38	5	ELECTRIC COMPRESSOR
F202	3	ELECTRIC WATER PUMP

CONNECTOR NO.	TERMINAL NO.	CONNECT TO
F36	37	TRACTION MOTOR INVERTER
F74	-	CVT UNIT SHIELD
F74	-	CVT UNIT SHIELD
F74	-	CVT UNIT SHIELD
F59	4	ENGINE COOLING ELECTRIC WATER PUMP
F63	1	FUEL INJECTOR RELAY
H-2	2	HIGH PRESSURE FUEL PUMP RELAY

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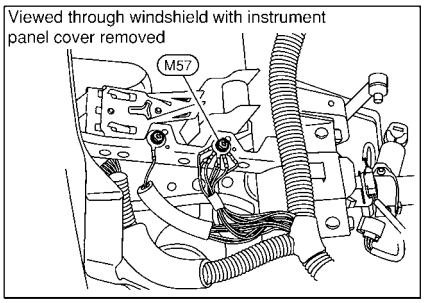


CONNECTOR NO.	TERMINAL NO.	CONNECT TO
F81	7	ELECTRIC OIL PUMP

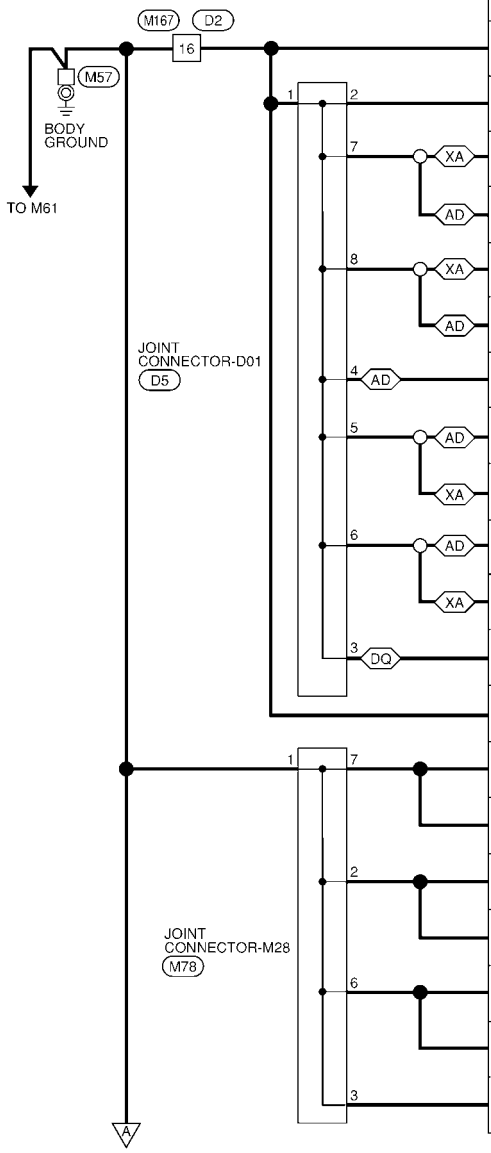
CONNECTOR NO.	TERMINAL NO.	CONNECT TO
F46	2	IGNITION COIL NO. 2 (WITH POWER TRANSISTOR)
F47	2	IGNITION COIL NO. 1(WITH POWER TRANSISTOR)
F48	2	IGNITION COIL NO. 3 (WITH POWER TRANSISTOR)
F49	2	IGNITION COIL NO. 4 (WITH POWER TRANSISTOR)

CONNECTOR NO.	TERMINAL NO.	CONNECT TO
F75	41	TCM (TRANSMISSION CONTROL MODULE)
F75	42	TCM (TRANSMISSION CONTROL MODULE)
F76	1	PRIMARY SPEED SENSOR
F77	1	OUTPUT SPEED SENSOR

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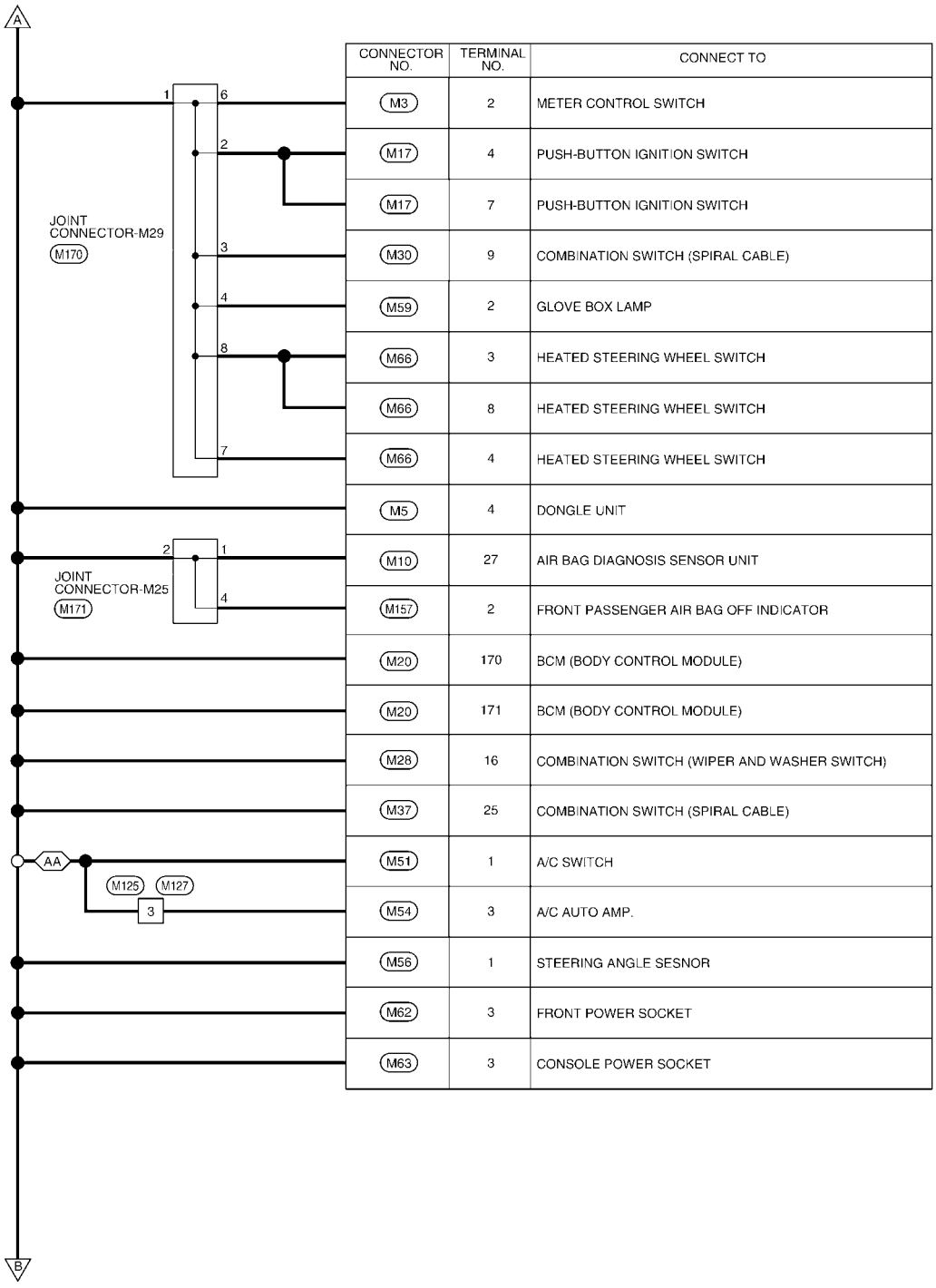


AD : WITH AUTOMATIC DRIVE POSITIONER
DQ : WITH DRIVER ASSISTANCE SYSTEM
HF : WITH FRONT HEATED SEATS
NN : WITH NAVIGATION SYSTEM AND BOSE AUDIO SYSTEM
NP : WITH NAVIGATION SYSTEM WITHOUT BOSE AUDIO SYSTEM
NQ : WITH DISPLAY AUDIO SYSTEM
P2 : WITH AUTOMATIC BACK DOOR
W4 : WITH ALL WHEEL DRIVE
XA : WITHOUT AUTOMATIC DRIVE POSITIONER
VD : WITH AROUND VIEW MONITOR SYSTEM



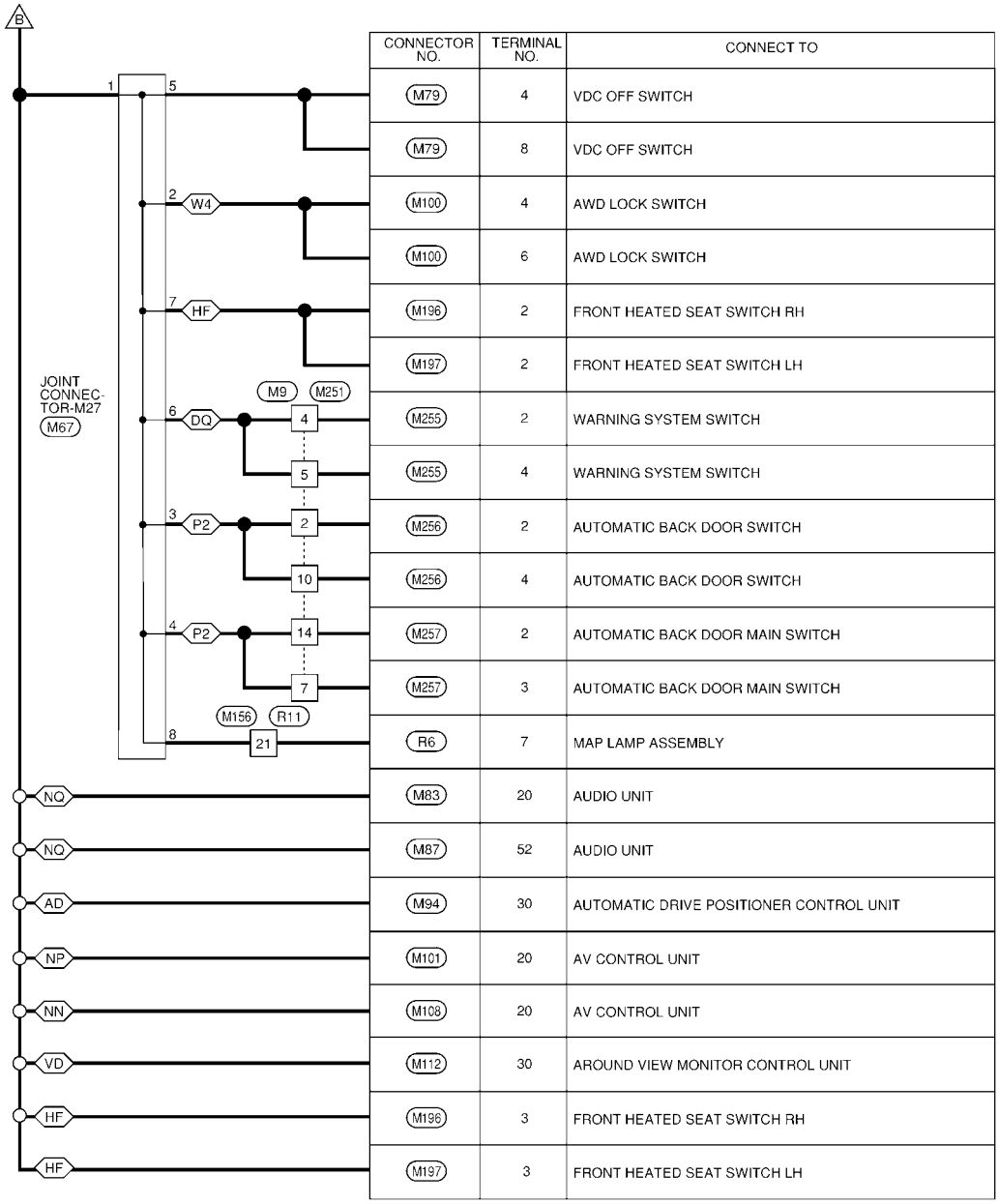
CONNECTOR NO.	TERMINAL NO.	CONNECT TO
D6	1	MAIN POWER WINDOW AND DOOR LOCK/UNLOCK SWITCH
D11	4	FRONT OUTSIDE HANDLE ASSEMBLY LH
D14	10	DOOR MIRROR LH
D16	10	DOOR MIRROR LH
D14	14	DOOR MIRROR LH
D16	14	DOOR MIRROR LH
D15	4	SEAT MEMORY SWITCH
D22	14	DOOR MIRROR REMOTE CONTROL SWITCH
D27	14	DOOR MIRROR REMOTE CONTROL SWITCH
D22	15	DOOR MIRROR REMOTE CONTROL SWITCH
D27	10	DOOR MIRROR REMOTE CONTROL SWITCH
D29	4	BLIND SPOT WARNING INDICATOR LH
D23	4	FRONT DOOR LOCK ASSEMBLY LH
M1	4	ECO MODE SWITCH
M1	8	ECO MODE SWITCH
M2	4	SPORT MODE SWITCH
M2	8	SPORT MODE SWITCH
M26	1	HAZARD SWITCH
M26	3	HAZARD SWITCH
M104	6	AUX IN JACK

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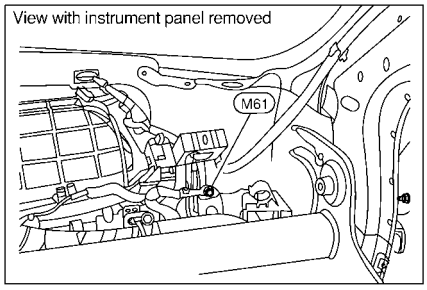
CONNECTOR NO.	TERMINAL NO.	CONNECT TO
M3	2	METER CONTROL SWITCH
M17	4	PUSH-BUTTON IGNITION SWITCH
M17	7	PUSH-BUTTON IGNITION SWITCH
M30	9	COMBINATION SWITCH (SPIRAL CABLE)
M59	2	GLOVE BOX LAMP
M66	3	HEATED STEERING WHEEL SWITCH
M66	8	HEATED STEERING WHEEL SWITCH
M66	4	HEATED STEERING WHEEL SWITCH
M5	4	DONGLE UNIT
M10	27	AIR BAG DIAGNOSIS SENSOR UNIT
M157	2	FRONT PASSENGER AIR BAG OFF INDICATOR
M20	170	BCM (BODY CONTROL MODULE)
M20	171	BCM (BODY CONTROL MODULE)
M28	16	COMBINATION SWITCH (WIPER AND WASHER SWITCH)
M37	25	COMBINATION SWITCH (SPIRAL CABLE)
M51	1	A/C SWITCH
M54	3	A/C AUTO AMP.
M56	1	STEERING ANGLE SESNOR
M62	3	FRONT POWER SOCKET
M63	3	CONSOLE POWER SOCKET

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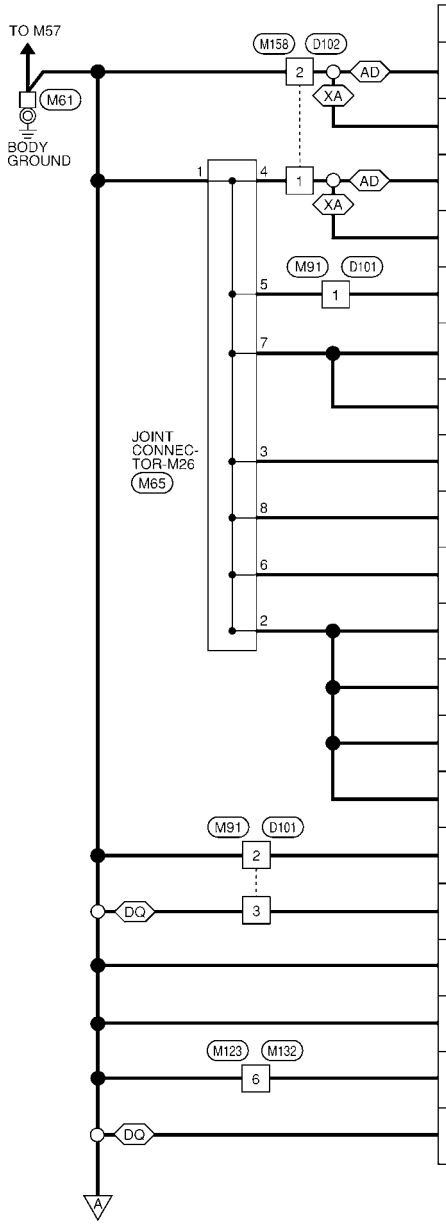


CONNECTOR NO.	TERMINAL NO.	CONNECT TO
M79	4	VDC OFF SWITCH
M79	8	VDC OFF SWITCH
M100	4	AWD LOCK SWITCH
M100	6	AWD LOCK SWITCH
M196	2	FRONT HEATED SEAT SWITCH RH
M197	2	FRONT HEATED SEAT SWITCH LH
M255	2	WARNING SYSTEM SWITCH
M255	4	WARNING SYSTEM SWITCH
M256	2	AUTOMATIC BACK DOOR SWITCH
M256	4	AUTOMATIC BACK DOOR SWITCH
M257	2	AUTOMATIC BACK DOOR MAIN SWITCH
M257	3	AUTOMATIC BACK DOOR MAIN SWITCH
R6	7	MAP LAMP ASSEMBLY
M83	20	AUDIO UNIT
M87	52	AUDIO UNIT
M94	30	AUTOMATIC DRIVE POSITIONER CONTROL UNIT
M101	20	AV CONTROL UNIT
M108	20	AV CONTROL UNIT
M112	30	AROUND VIEW MONITOR CONTROL UNIT
M196	3	FRONT HEATED SEAT SWITCH RH
M197	3	FRONT HEATED SEAT SWITCH LH

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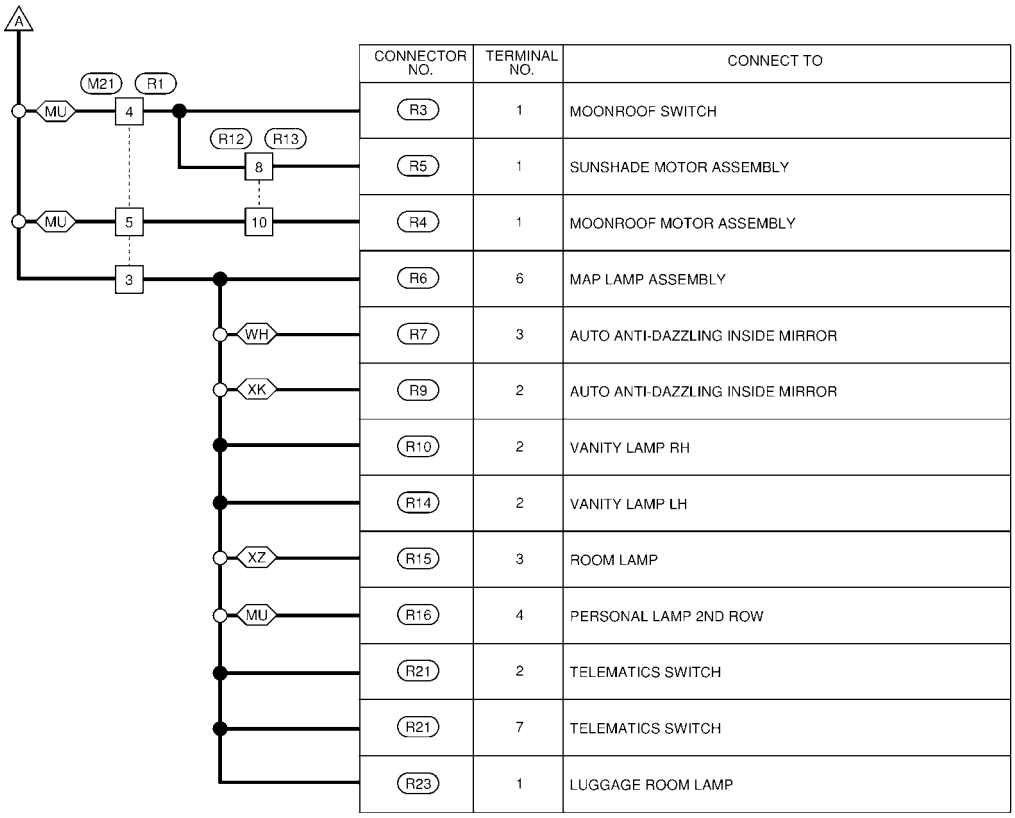


AD : WITH AUTOMATIC DRIVE POSITIONER
DQ : WITH DRIVER ASSISTANCE SYSTEM
HF : WITH FRONT HEATED SEATS
MU : WITH MOONROOF
P2 : WITH AUTOMATIC BACK DOOR
W4 : WITH ALL WHEEL DRIVE
WH : WITH HOMELINK UNIVERSAL TRANSCEIVER
XA : WITHOUT AUTOMATIC DRIVE POSITIONER
XK : WITHOUT HOMELINK UNIVERSAL TRANSCEIVER
XZ : WITHOUT MOONROOF



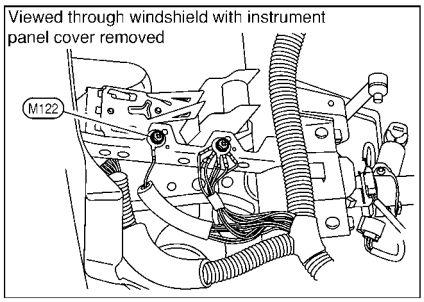
CONNECTOR NO.	TERMINAL NO.	CONNECT TO
D106	10	DOOR MIRROR RH
D107	10	DOOR MIRROR RH
D106	14	DOOR MIRROR RH
D107	14	DOOR MIRROR RH
D126	4	FRONT OUTSIDE HANDLE ASSEMBLY RH
M22	4	DATA LINK CONNECTOR
M22	5	DATA LINK CONNECTOR
M29	6	CAN GATEWAY
M29	7	CAN GATEWAY
M96	12	CHASSIS CONTROL MODULE
M107	2	CVT SHIFT SELECTOR
M107	4	CVT SHIFT SELECTOR
M107	6	CVT SHIFT SELECTOR
M107	10	CVT SHIFT SELECTOR
D112	3	POWER WINDOW AND DOOR LOCK/ UNLOCK SWITCH RH
D115	4	BLIND SPOT WARNING INDICATOR RH
M76	1	COMBINATION METER
M77	52	COMBINATION METER
M133	2	VARIABLE BLOWER CONTROL
M148	1	ADAS CONTROL UNIT 2

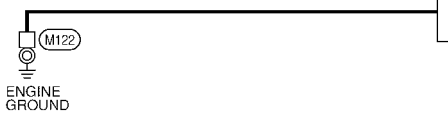
AAMIA5473GB



CONNECTOR NO.	TERMINAL NO.	CONNECT TO
R3	1	MOONROOF SWITCH
R5	1	SUNSHADE MOTOR ASSEMBLY
R4	1	MOONROOF MOTOR ASSEMBLY
R6	6	MAP LAMP ASSEMBLY
R7	3	AUTO ANTI-DAZZLING INSIDE MIRROR
R9	2	AUTO ANTI-DAZZLING INSIDE MIRROR
R10	2	VANITY LAMP RH
R14	2	VANITY LAMP LH
R15	3	ROOM LAMP
R16	4	PERSONAL LAMP 2ND ROW
R21	2	TELEMATICS SWITCH
R21	7	TELEMATICS SWITCH
R23	1	LUGGAGE ROOM LAMP

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CONNECTOR NO.	TERMINAL NO.	CONNECT TO
M48	10	EPS CONTROL UNIT

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HARNESS

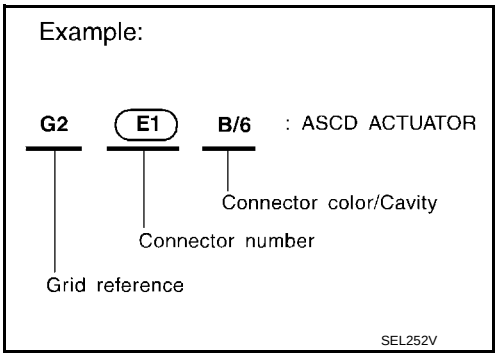
Harness Layout

INFOID:0000000015259799

HOW TO READ HARNESS LAYOUT

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

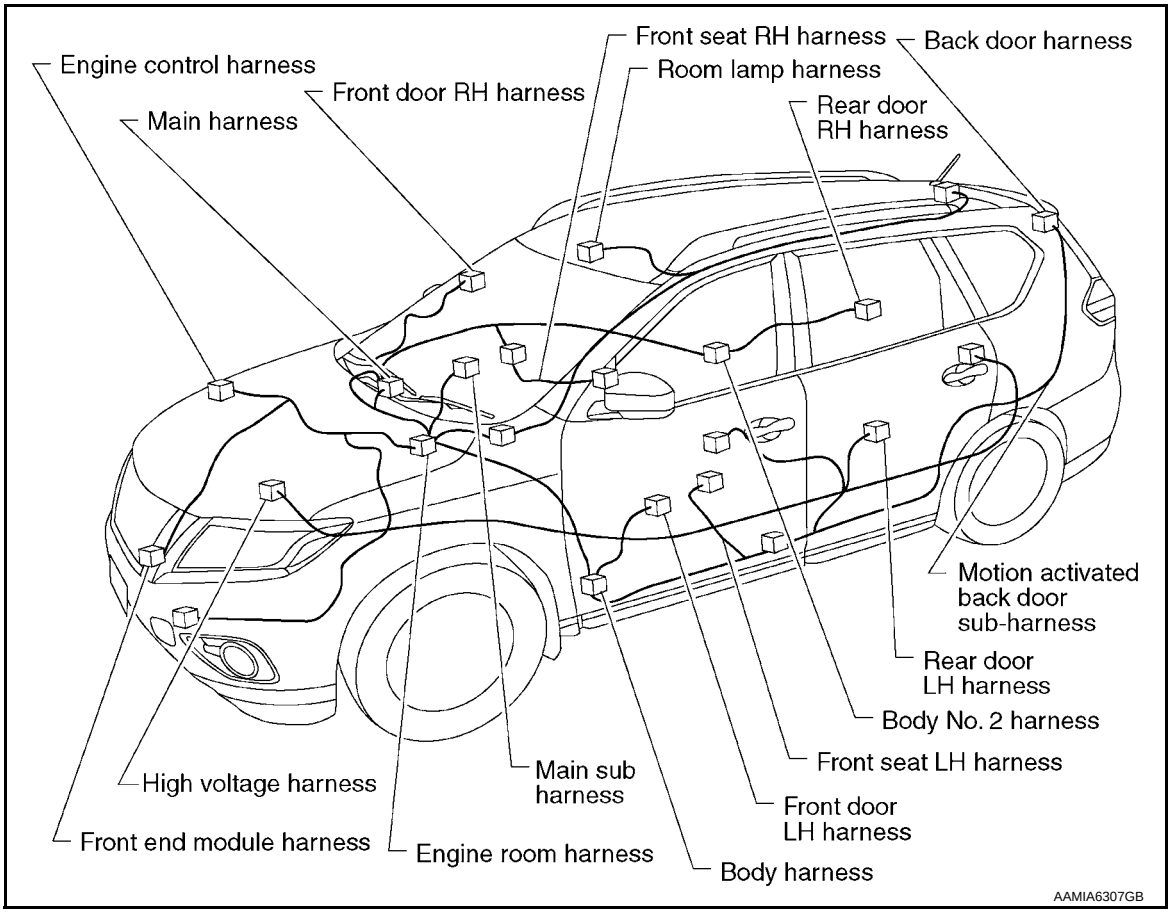
- Body Harness and Chassis Harness
- Body No. 2 Harness
- Engine Room Harness
- Engine Room Harness (Passenger Compartment)
- Front End Module Harness
- Engine Control Harness and Engine Control Sub-harness
- High Voltage Harness
- Main Harness and Main Sub-harness
- Room Lamp Harness

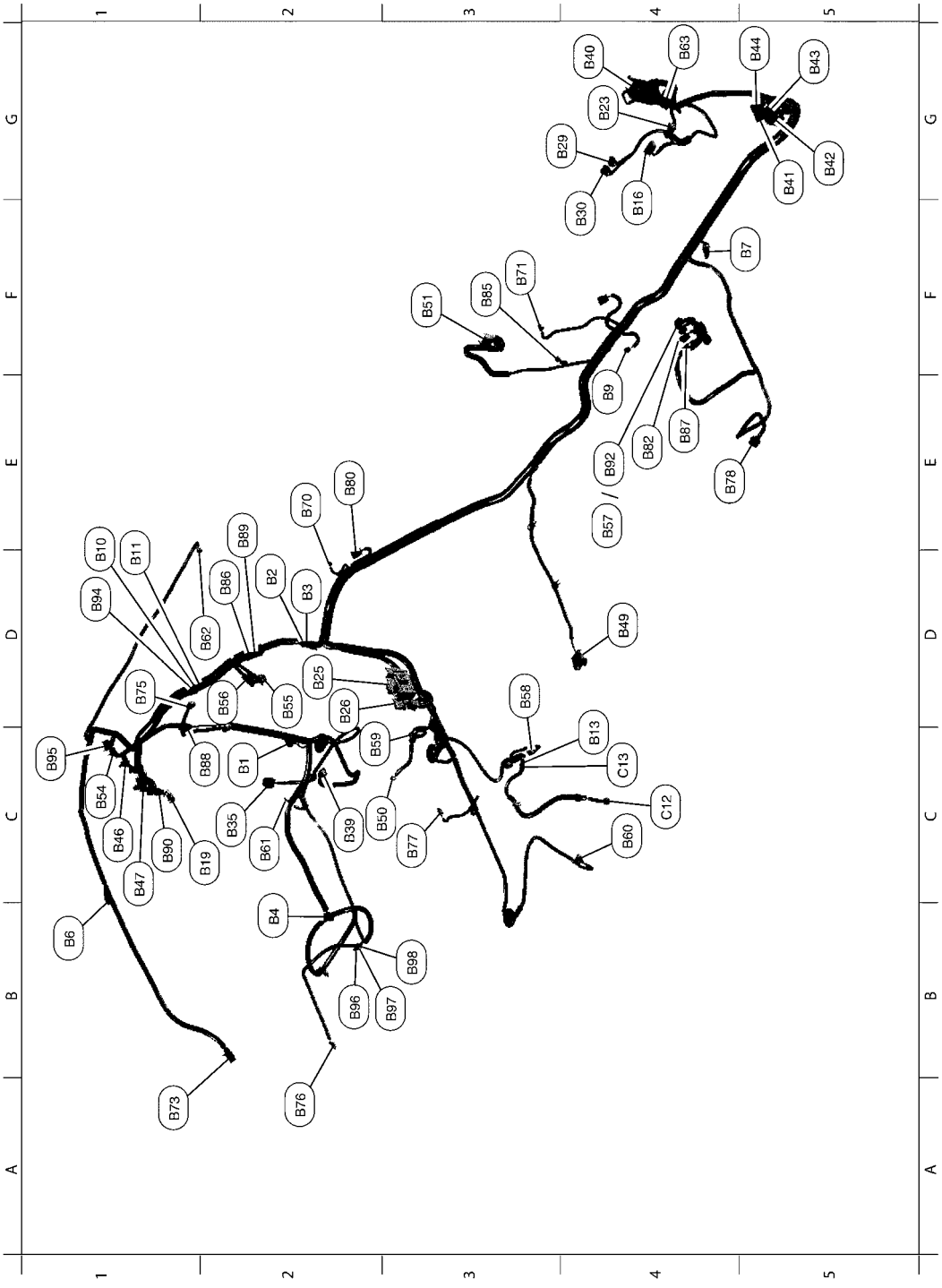


To use the grid reference

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.

OUTLINE

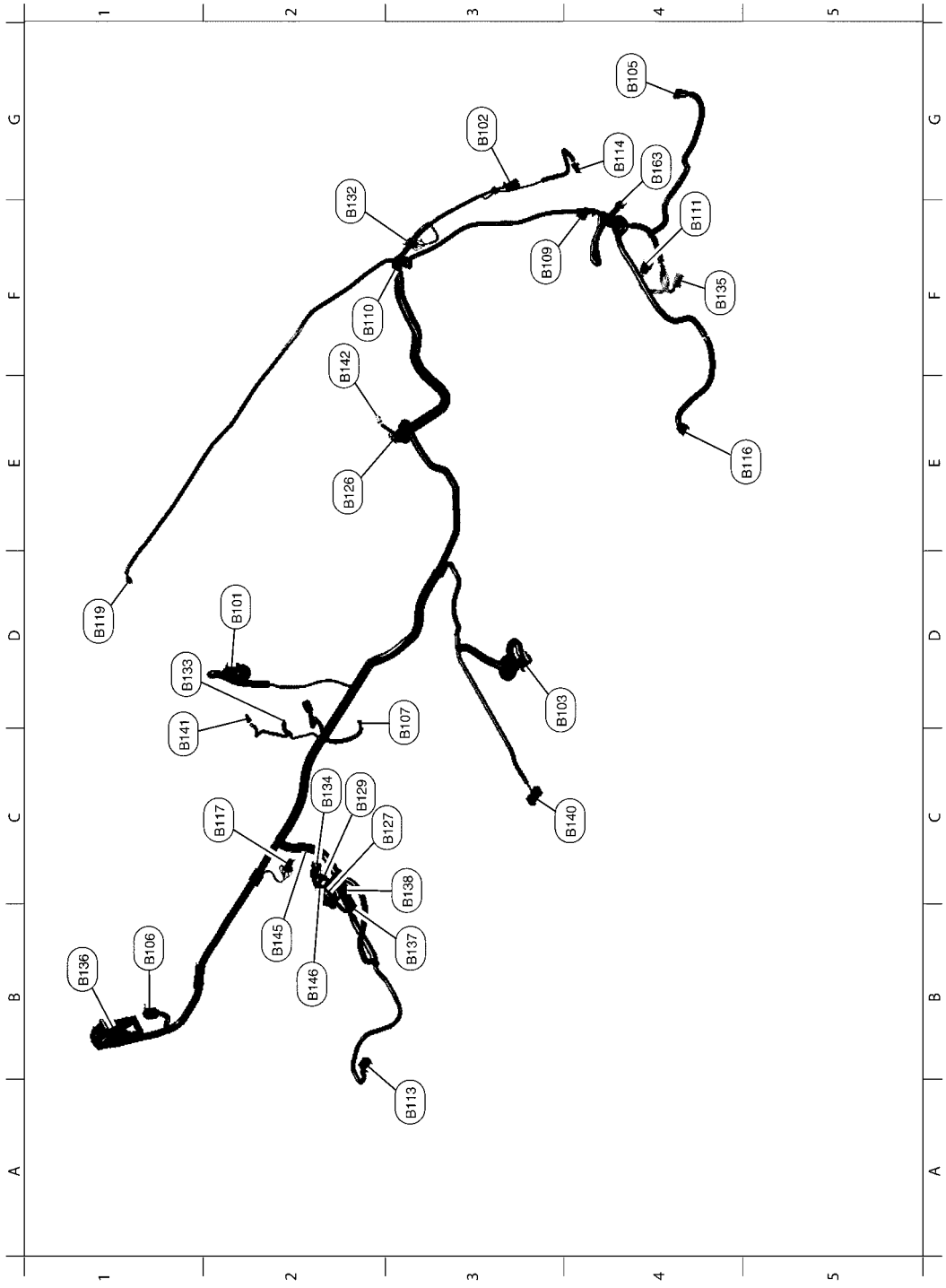




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C2	B1	G/20	: Joint connector-B02	D3	B58	B/2	: Rear wheel sensor LH
D2	B2	W/4	: Joint connector-B27	C2	B59	W/24	: Li-ion battery
D2	B3	W/4	: Joint connector-B03	C4	B60	B/2	: Rear wheel sensor RH
B2	B4	W/24	: ADAS control unit	C2	B61	GR/2	: Automatic back door warning buzzer
B1	B6	B/1	: Rear window defogger condenser	D2	B62	Y/2	: Side curtain air bag module LH

F5	B7	—	: Body ground	G4	B63	W/24	: Joint connector-B01
E4	B9	O/2	: Front LH seat belt pre-tensioner (Lap belt)	E2	B70	W/4	: Rear door switch LH
E1	B10	W/4	: Joint connector-B31	F3	B71	W/4	: Front door switch LH
D1	B11	W/4	: Joint connector-B32	A1	B73	W/8	: Spindle unit RH
C4	B13	B/2	: To C13	D1	B75	W/16	: AWD control unit
F4	B16	G/40	: BCM (Body control module)	A2	B76	GR/2	: Outside key antenna (Rear bumper)
C2	B19	—	: Body ground	C3	B77	GR/2	: Inside key antenna (Console)
D2	B25	BR/2	: Fusible link box (Battery)	E4	B78	Y/22	: Air bag diagnosis sensor unit
D2	B26	GR/2	: Fusible link box (Battery)	E2	B80	Y/2	: Rear side satellite sensor LH
G4	B29	W/6	: Fuse block (J/B)	E4	B82	Y/2	: Side air bag module LH
F4	B30	W/8	: Fuse block (J/B)	F3	B85	Y/2	: Front LH seat belt pre-tensioner (Shoulder belt)
C2	B35	B/8	: Side radar LH	D2	B86	W/8	: Joint connector-B26
C2	B39	B/4	: Battery current sensor	E4	B87	W/4	: Seat belt buckle switch (LH)
G4	B40	SMJ	: To E34	C2	B88	W/2	: Trailer (Pre-wiring)
G5	B41	W/32	: To M69	E2	B89	W/4	: Joint connector-B25
G5	B42	W/16	: To M74	C1	B90	W/4	: Rear combination lamp LH
G5	B43	W/16	: To M52	E4	B92	W/6	: To B202
G5	B44	B/2	: To M60	D1	B94	W/4	: Joint connector-B24
C1	B46	W/32	: To D501	C1	B95	W/8	: Spindle unit LH
C1	B47	W/16	: To D502	B2	B96	B/3	: Motion activated back door control unit
D4	B49	W/16	: To D201	B3	B97	B/2	: Motion activated back door control unit
C2	B50	B/4	: Dc/DC converter	B3	B98	B/2	: Motion activated back door control unit
F3	B51	W/12	: To D201	G4	B23	GR/16	: BCM (Body control module)
C1	B54	W/2	: To D505	Chassis harness			
D2	B55	B/24	: Automatic back door control module	C4	C12	GR/2	: AWD solenoid
D2	B56	GR/14	: Automatic back door control module	C4	C13	B/2	: To B13
E4	B57	BR/12	: To B200				

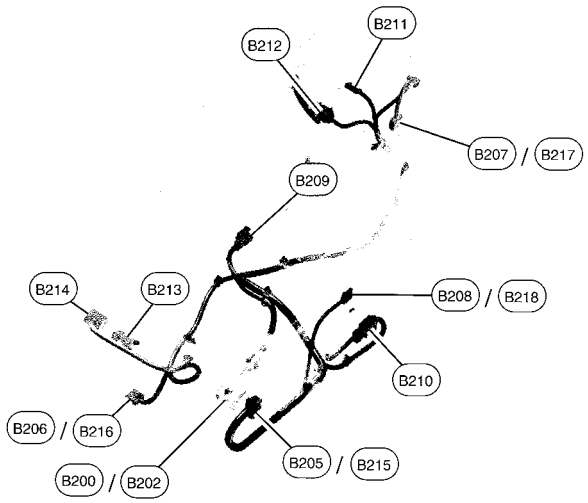


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D2	B101	W/12	: To D301	C3	B127	W/4	: To B350
G3	B102	W/4	: Rear combination lamp RH	C2	B129	Y/2	: Side air bag module RH
D3	B103	GR/6	: Fuel level sensor unit and fuel pump (Main)	G2	B132	—	: Body ground
G4	B105	B/8	: Side radar RH	D1	B133	Y/2	: Front RH seat belt pre-tensioner (Shoulder belt)

B1	B106	W/6	: To M8	C2	B134	W/6	: To B300
D3	B107	O/2	: Front RH seat belt pre-tensioner (Lap belt)	B1	B136	SMJ	: To M36
F3	B109	B/20	: Joint connector-B05	B3	B137	BR/14	: BOSE speaker amp.
F2	B110	B/4	: Remote keyless entry receiver	C3	B138	BR/23	: BOSE speaker amp.
F4	B111	GR/3	: EVAP control system pressure sensor	C4	B140	W/12	: To B49
A3	B113	Y/22	: Air bag diagnosis sensor unit	C1	B141	W/4	: Front door switch RH
G4	B114	B/3	: Rear cargo power socket	E2	B142	W/4	: Rear door switch RH
E5	B116	GR/4	: Subwoofer	C2	B145	W/6	: Joint connector-B10
C2	B117	—	: Body ground	B2	B146	W/6	: Joint connector-B11
D1	B119	Y/2	: Curtain air bag module RH	G4	B163	W/4	: Battery cooling fan
E2	B126	Y/2	: Rear side satellite sensor RH				

FRONT SEAT LH HARNESS

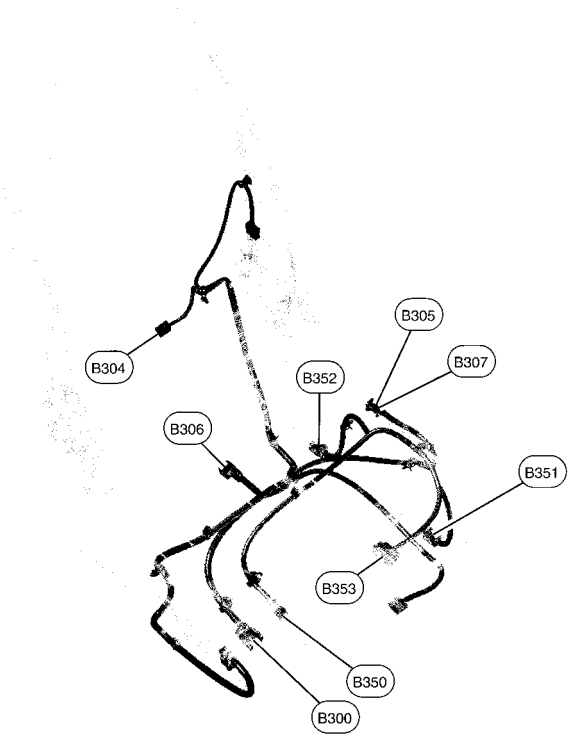


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B200	BR/12	: To B57	B211	B/2	: Lumbar motor
B202	W/6	: To B92	B212	B/2	: Seat back heater LH
B205	W/10	: Power seat switch LH (Without automatic drive positioner)	B213	W/32	: Driver seat control unit
B206	B/5	: Sliding motor LH (Without automatic drive positioner)	B214	W/12	: Driver seat control unit
B207	W/5	: Reclining motor LH (Without automatic drive positioner)	B215	BR/10	: Power seat switch LH (With automatic drive positioner)
B208	W/5	: Lifting motor LH (Without automatic drive positioner)	B216	B/5	: Sliding motor LH (With automatic drive positioner)

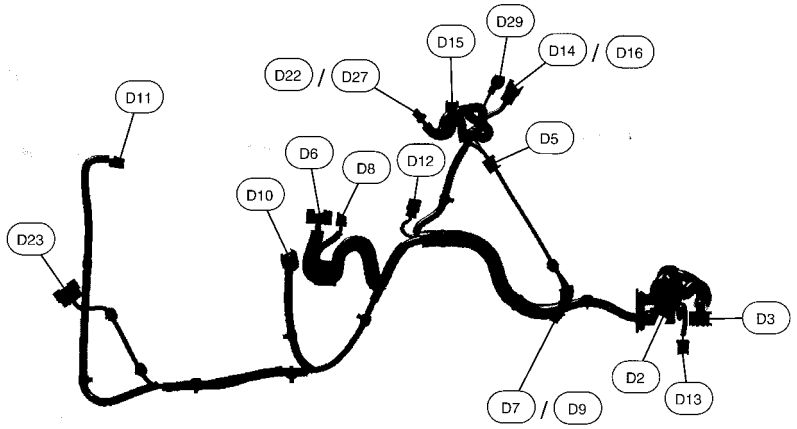
B209	W/3	: Front seat heater LH	B217	B/5	: Reclining motor LH (With automatic drive positioner)
B210	BR/4	: Power lumbar switch	B218	B/5	: Lifting motor LH (With automatic drive positioner)

FRONT SEAT RH HARNESS



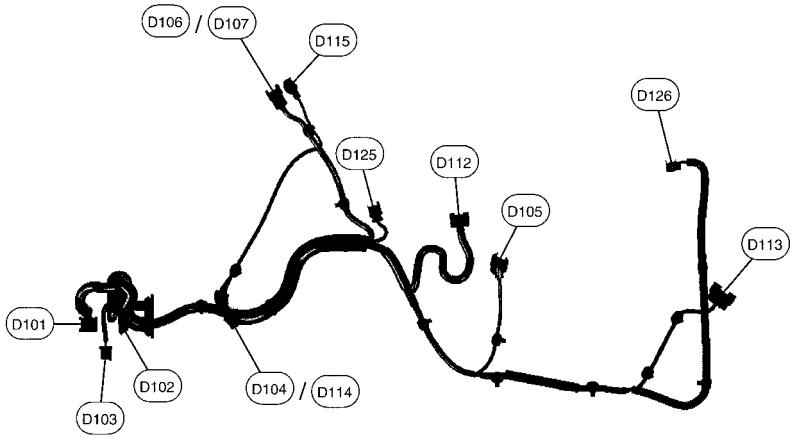
AAMIA0854ZZ

B300	W/6	: To B134	B350	W/4	: To B127
B304	B/2	: Seat cushion heater RH	B351	B/3	: Occupant classification system sensor FI
B305	W/2	: Seat belt buckle switch RH	B352	B/3	: Occupant classification system sensor RI
B306	B/3	: Front seat heater RH	B353	B/20	: Occupant classification system control unit
B307	W/4	: Seat belt buckle switch RH			



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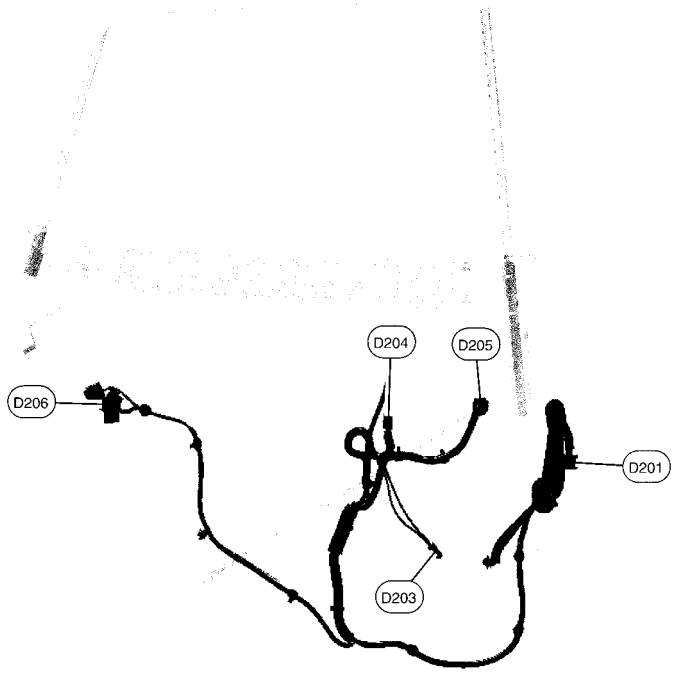
D2	W/16	: To M167	D12	Y/2	: Front door satellite sensor LH
D3	W/24	: To M168	D13	Y/4	: To M169
D5	W/8	: Joint connector-D01	D14	W/16	: Door mirror LH (Without automatic drive positioner)
D6	W/16	: Main power window and door lock/unlock switch	D15	W/8	: Seat memory switch
D7	W/2	: Front door speaker LH (Without BOSE audio system)	D16	W/16	: Door mirror LH (With automatic drive positioner)
D8	W/3	: Main power window and door lock/unlock switch	D22	GR/16	: Door mirror remote control switch (With automatic drive positioner)
D9	BR/2	: Front door speaker LH (With BOSE audio system)	D23	GR/6	: Front door lock assembly LH
D10	G/6	: Front power window motor LH	D27	B/16	: Door mirror remote control switch (Without automatic drive positioner)
D11	B/4	: Front outside handle assembly LH	D29	W/4	: Blind spot warning indicator LH



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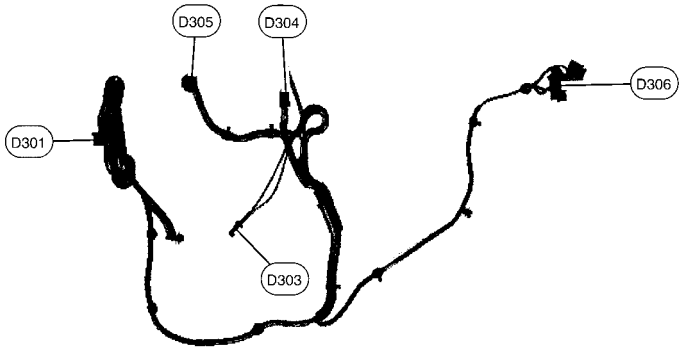
D101	W/24	: To M91	D112	W/12	: Power window and door lock/unlock switch RH
D102	W/16	: To M158	D113	GR/6	: Front door lock actuator RH
D103	Y/4	: To M159	D114	BR/2	: Front door speaker RH (With BOSE audio system)
D104	W/2	: Front door speaker RH (Without BOSE audio system)	D115	W/4	: Blind spot warning indicator RH
D105	G/6	: Front power window motor RH	D125	Y/2	: Front door satellite sensor RH
D106	W/16	: Door mirror RH (With automatic drive positioner)	D126	B/4	: Front outside handle assembly RH
D107	W/16	: Door mirror RH (Without automatic drive positioner)			

REAR DOOR LH HARNESS



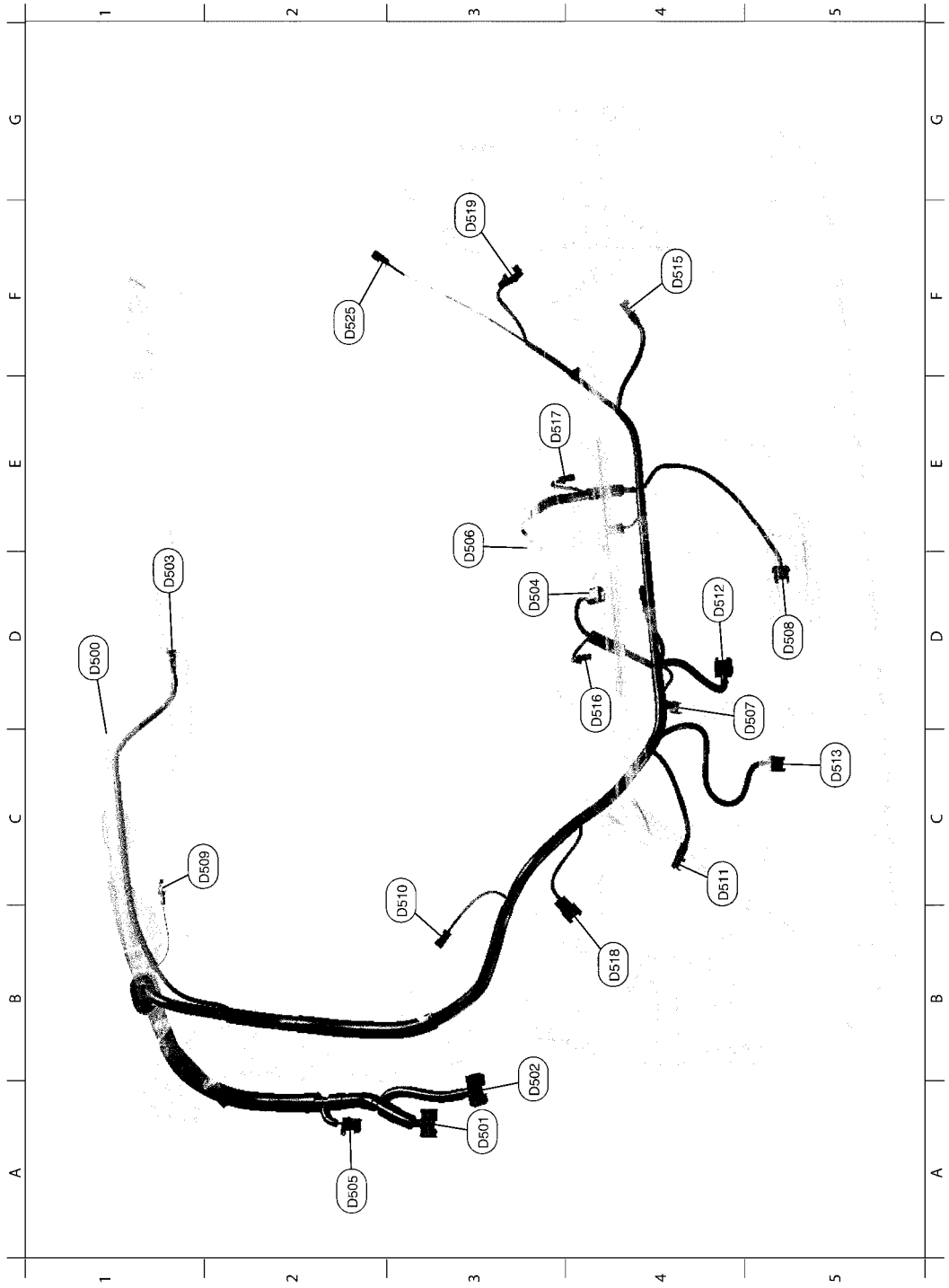
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D201	W/12	: To B51	D205	G/5	: Rear power window motor LH
D203	W/2	: Rear door speaker LH	D206	GR/6	: Rear door lock actuator LH
D204	W/8	: Rear power window switch LH			



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D301	W/12	: To B101	D305	G/6	: Rear power window motor RH
D303	W/2	: Rear door speaker RH	D306	GR/6	: Rear door lock actuator RH
D304	W/8	: Rear power window switch RH			

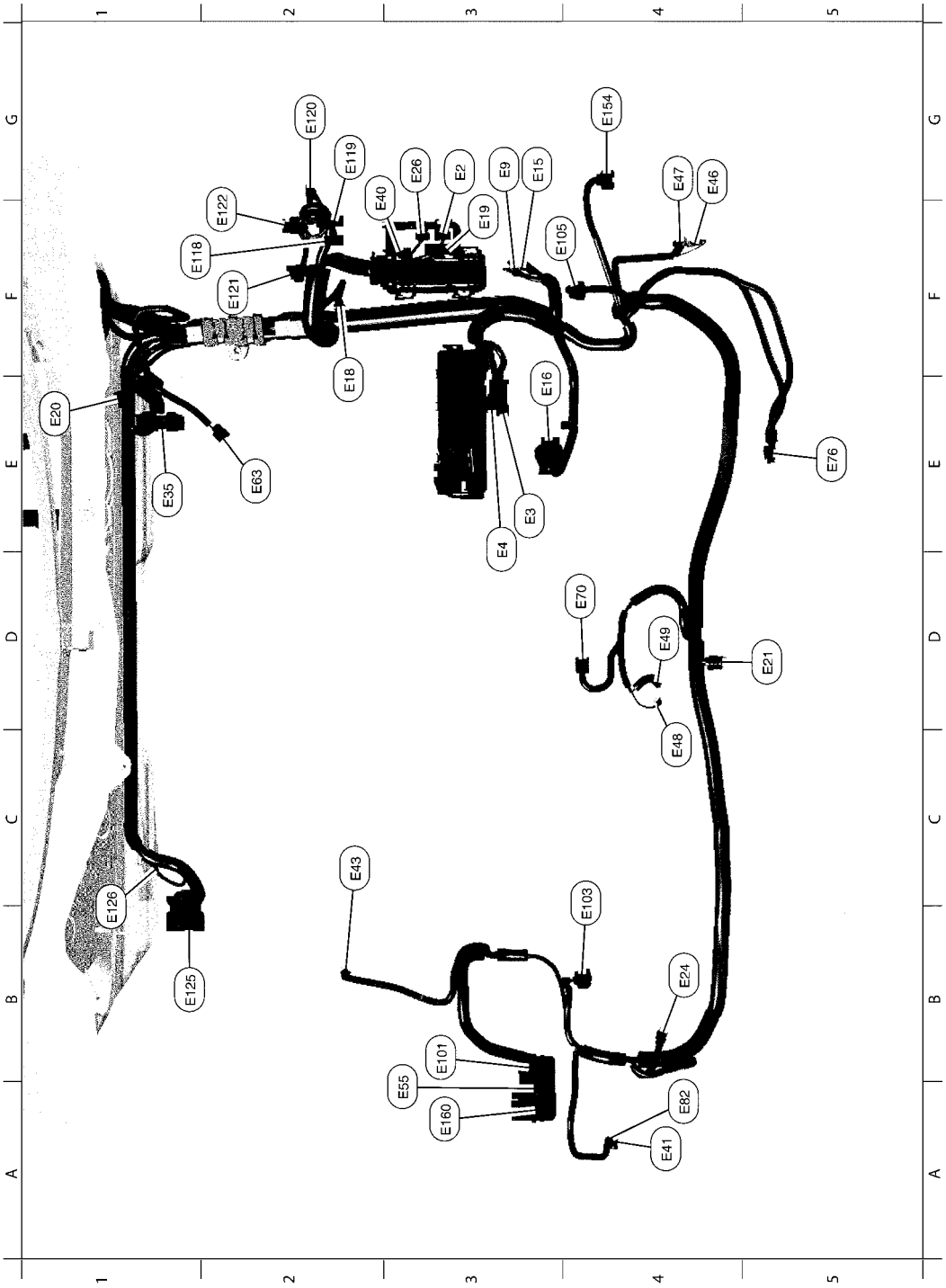


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D1	D500	B/1	: Rear window defogger condenser	C3	D510	B/1	: Rear window defogger
A3	D501	W/32	: To B46	C4	D511	W/2	: Touch sensor LH
B3	D502	W/16	: To B47	D4	D512	W/8	: Back door lock assembly (With power back door system)
D1	D503	W/2	: High-Mounted stop lamp	C5	D513	GR/6	: Automatic back door close switch
D3	D504	B/6	: Rear view camera	F4	D515	W/2	: Touch sensor RH

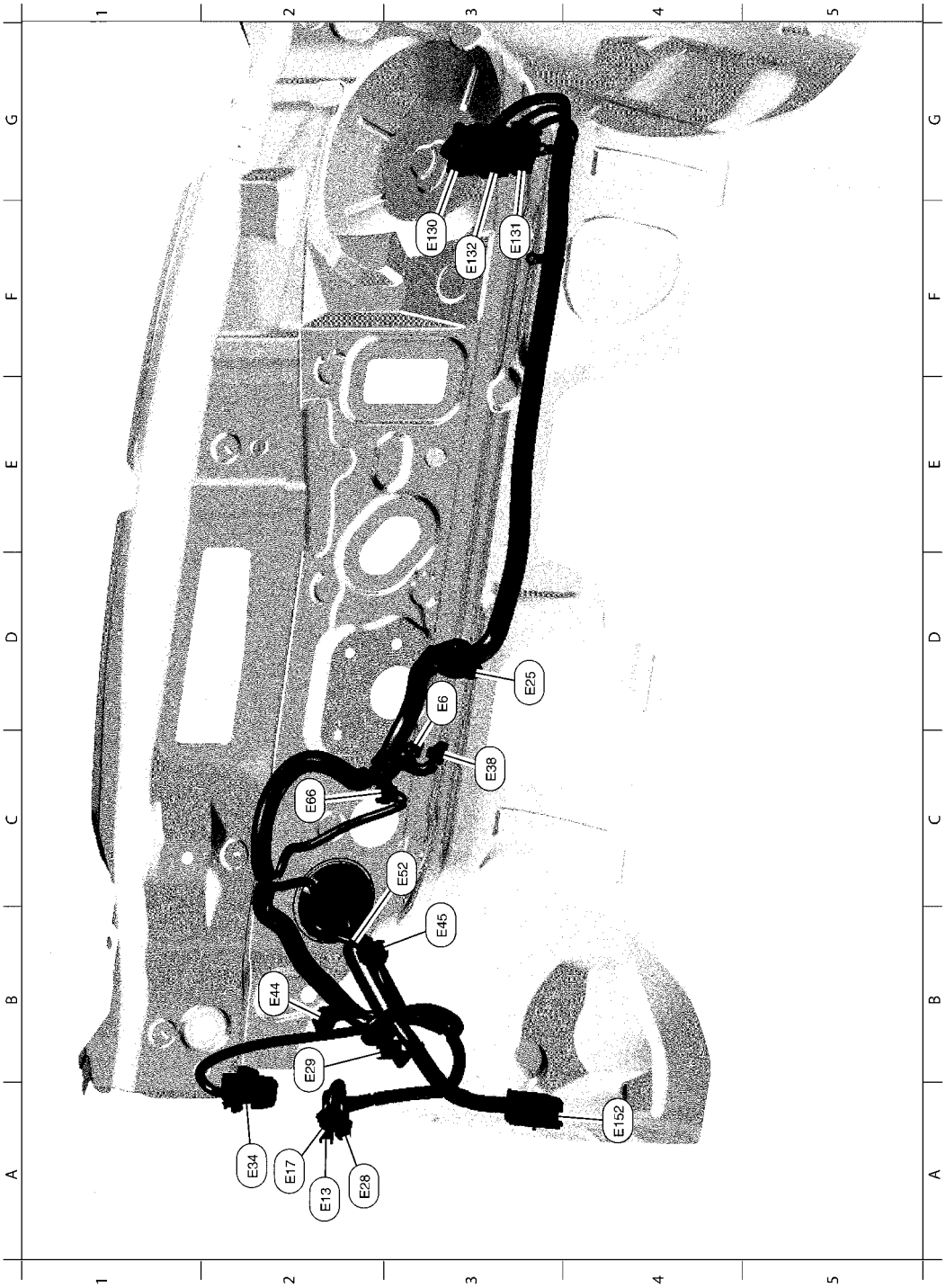
A2	D505	W/2	: To B54	D4	D516	BR/2	: License plate lamp LH
E3	D506	W/3	: Rear wiper motor	E3	D517	BR/2	: License plate lamp RH
D5	D507	W/4	: Back door opener switch	B4	D518	W/3	: Back-up lamp assembly LH
D5	D508	W/4	: Back door lock assembly (Without power back door system)	F3	D519	W/3	: Back-up lamp assembly RH
C1	D509	—	: Body ground	F2	D525	B/1	: Rear window defogger

ENGINE ROOM HARNESS



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G3	E2	W/2	: To E202	D4	E49	B/1	: Horn (Low)
E3	E3	GR/1	: To F4	A3	E55	L/4	: Starter cut relay
E3	E4	GR/8	: To F6	E2	E63	B/2	: Brake fluid level switch
G3	E9	—	: Body ground	D4	E70	Y/2	: Crash zone sensor
G3	E15	—	: Body ground	E5	E76	B/2	: Ambient sensor
E3	E16	B/32	: ECM	A4	E82	W/2	: Washer fluid level switch
E2	E18	GR/2	: Front wheel sensor LH	B3	E101	W/3	: Anti-theft horn relay
F3	E19	BR/16	: To F33	C4	E103	GR/3	: Front combination lamp RH
E1	E20	GR/5	: Front wiper motor	F3	E105	GR/3	: Front combination lamp LH
D5	E21	GR/8	: Distance sensor	F1	E118	B/2	: IPDM E/R (Intelligent power distribution module engine room)
B4	E24	BR/3	: Intelligent Key warning buzzer	G2	E119	GR/16	: IPDM E/R (Intelligent power distribution module engine room)
G3	E26	W/12	: To E209	G2	E120	GR/24	: IPDM E/R (Intelligent power distribution module engine room)
E1	E35	B/34	: Hydraulic brake booster unit	F2	E121	R/6	: IPDM E/R (Intelligent power distribution module engine room)
G2	E40	W/4	: To E201	F2	E122	GR/6	: IPDM E/R (Intelligent power distribution module engine room)
A4	E41	B/2	: Front and rear washer motor	B1	E125	B/37	: ABS actuator and electric unit (Control unit)
C2	E43	GR/2	: Front wheel sensor RH	C1	E126	—	: Body ground
G4	E46	B/1	: Horn	G4	E154	B/10	: Approaching vehicle sound for pedestrians (VSP) control unit
G4	E47	B/1	: Horn	A3	E160	L/4	: Battery cooling fan relay
C4	E48	B/1	: Horn (Low)				

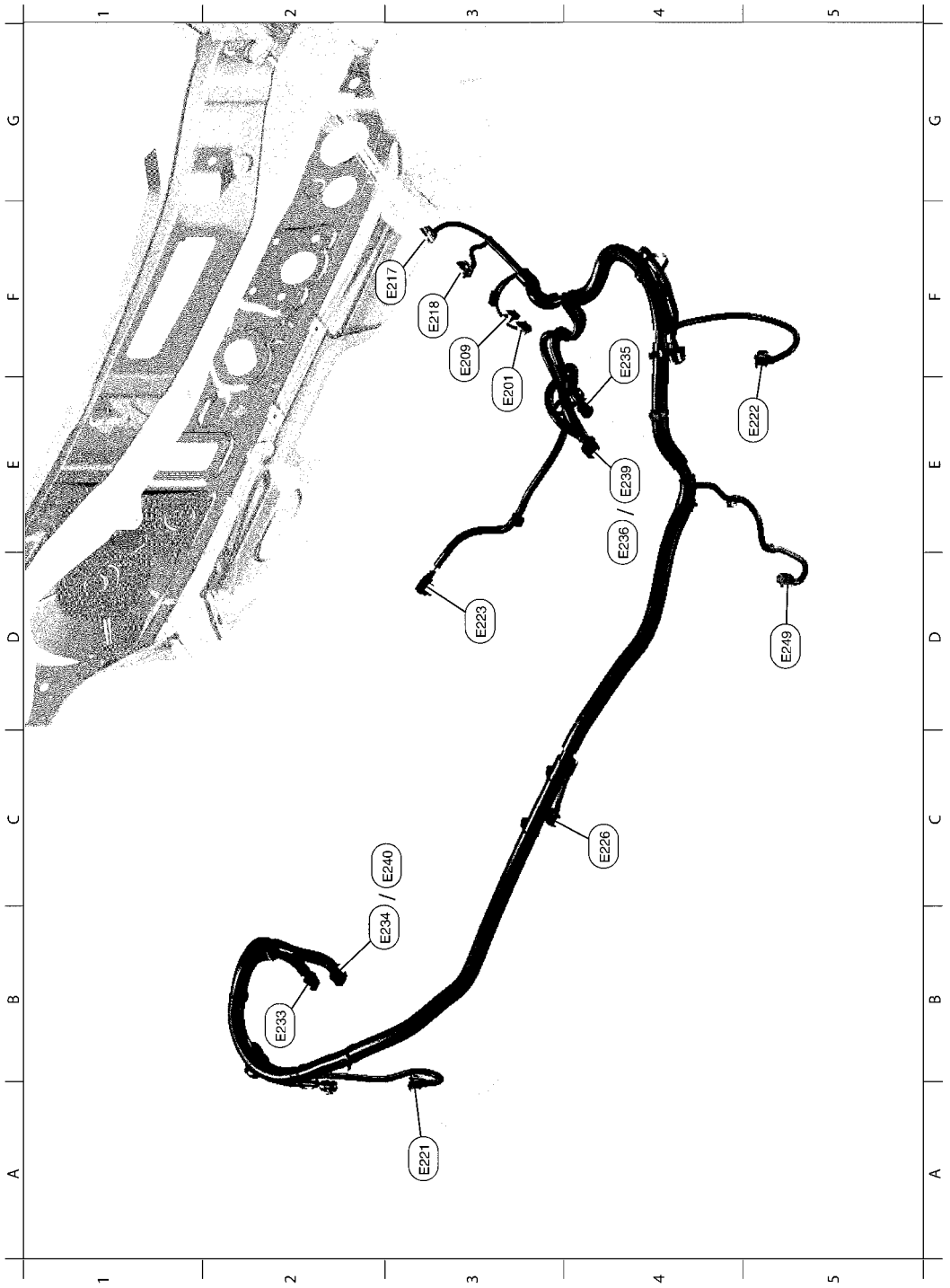


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D3	E6	BR/2	: Brake pedal position switch	B2	E44	G/24	: Joint connector-E01
A2	E13	W/1	: Fuse block (J/B)	B3	E45	W/24	: Joint connector-E03
A2	E17	W/1	: Fuse block (J/B)	C3	E52	B/1	: Parking brake switch
D3	E25	B/6	: Accelerator pedal position sensor	C2	E66	B/4	: Brake stroke sensor
A2	E28	W/10	: Fuse block (J/B)	F3	E130	B/32	: HPCM

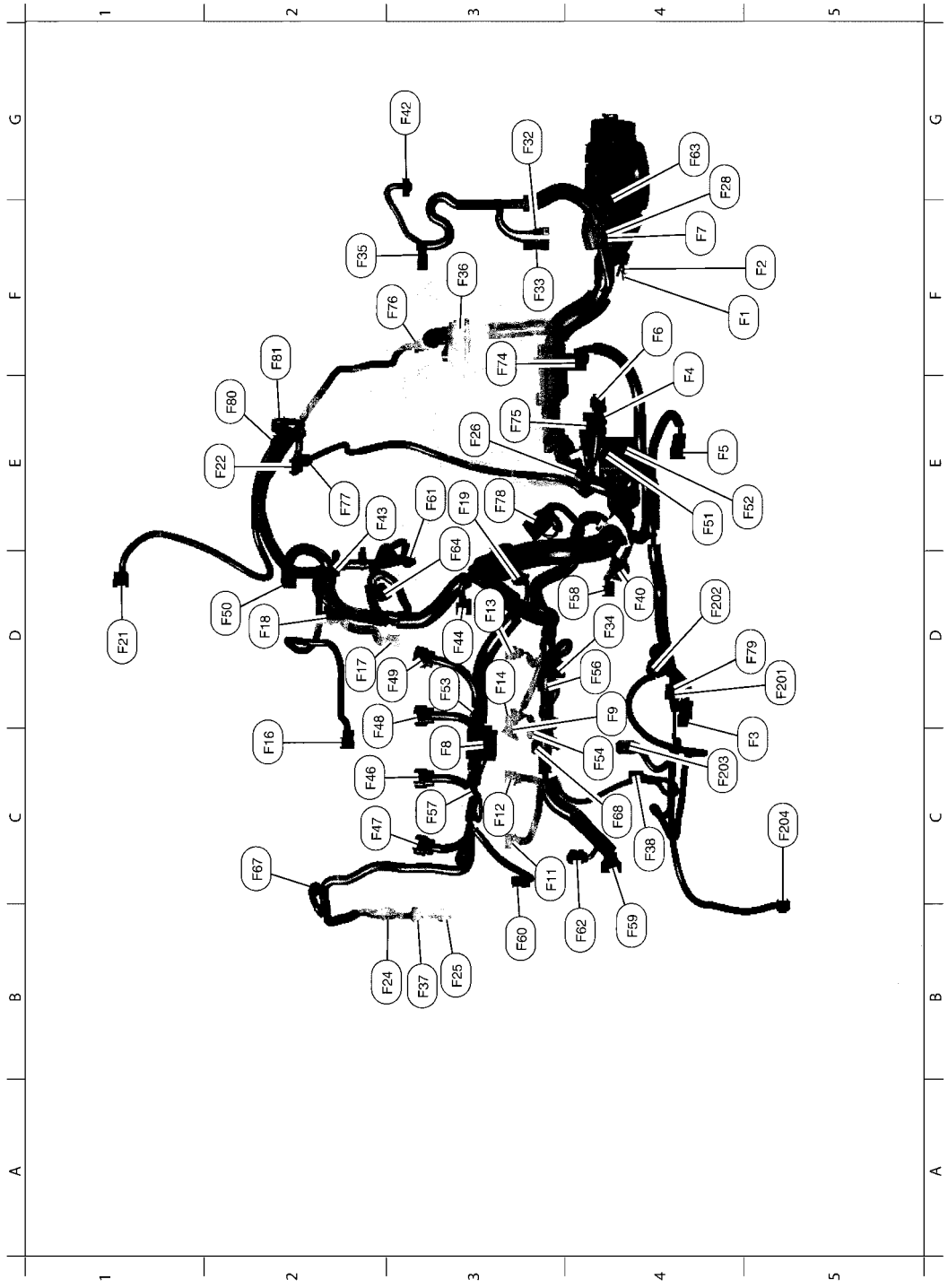
B2	E29	B/24	: BCM (Body control module)	F3	E131	GR/32	: HPCM
A2	E34	SMJ	: To B40	F3	E132	BR/48	: HPCM
C3	E38	W/4	: Stop lamp switch	A4	E152	SMJ	: To M31

FRONT END MODULE HARNESS



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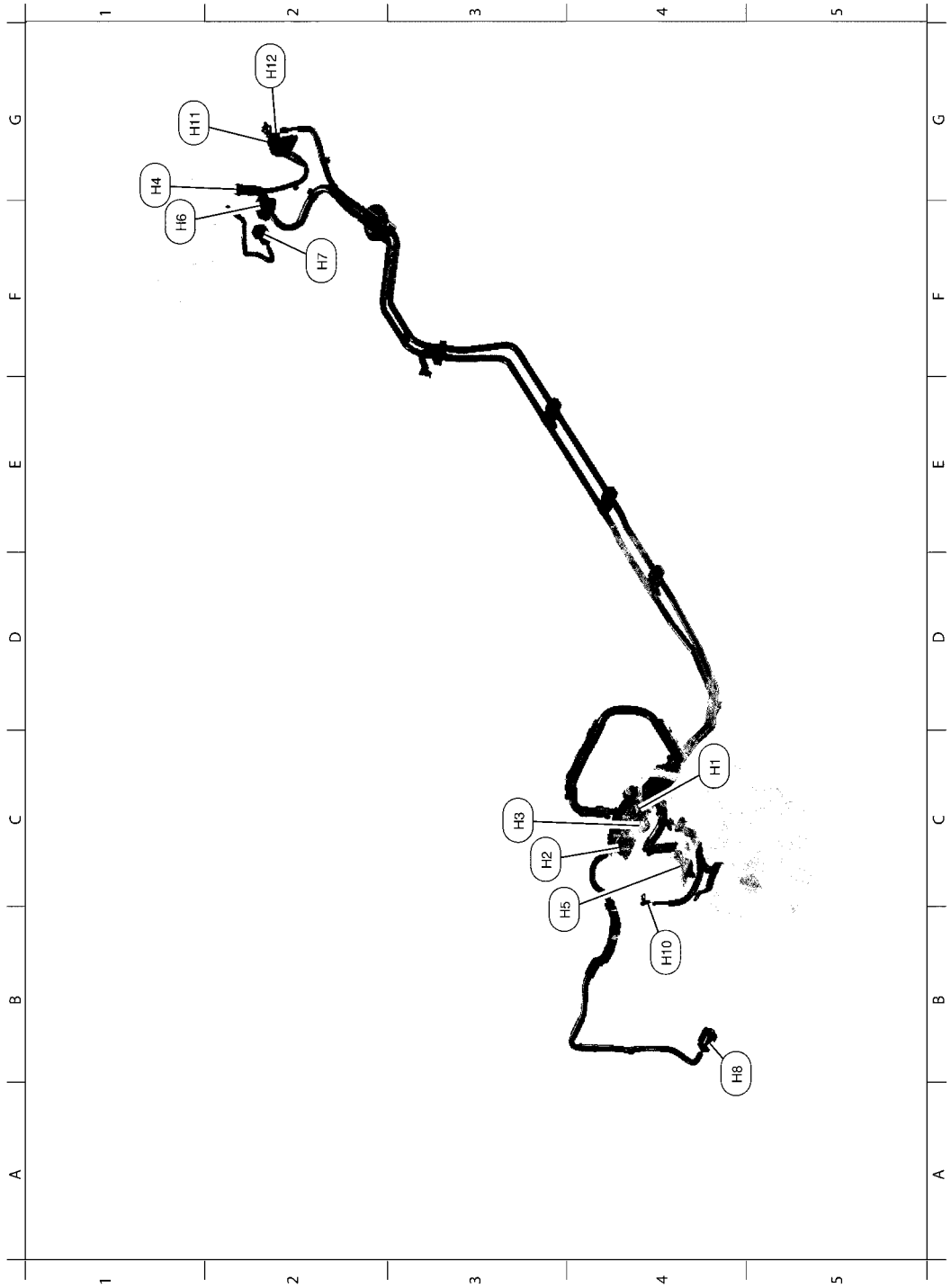
E3	E201	W/4	: To E40	B2	E233	B/6	: Front combination lamp RH (With halogen headlamps)
F3	E209	W/12	: To E26	B2	E234	GR/6	: Front combination lamp RH (With halogen headlamps)
F3	E217	BR/8	: IPDM E/R (Intelligent power distribution module engine room)	F4	E235	B/6	: Front combination lamp LH (With halogen headlamps)
F3	E218	W/8	: IPDM E/R (Intelligent power distribution module engine room)	E4	E236	GR/6	: Front combination lamp LH (With halogen headlamps)
A3	E221	B/2	: Front fog lamp RH	E4	E239	B/8	: Front combination lamp LH (With LED headlamps)
E5	E222	B/2	: Front fog lamp LH	C3	E240	B/8	: Front combination lamp RH (With LED headlamps)
D3	E223	BR/3	: Hood switch	D5	E249	B/4	: Active grille shutter
C4	E226	B/4	: Front camera				



AAMIA0863ZZ

F5	F1	—	: Body ground	C2	F46	GR/3	: Ignition coil no.2 (with power transistor)
F5	F2	—	: Body ground	C2	F47	GR/3	: Ignition coil no.1 (with power transistor)
C5	F3	B/4	: Cooling fan control module 1	D2	F48	GR/3	: Ignition coil no.3 (with power transistor)

F4	F4	GR/1	: To E3	D3	F49	GR/3	: Ignition coil no.4 (with power transistor)
E4	F5	B/4	: Cooling fan control module 2	D2	F50	B/6	: Electric throttle control actuator
F4	F6	GR/8	: To E4	E4	F51	B/55	: ECM
F4	F7	B/24	: Joint connector-F02	E5	F52	B/65	: ECM
C3	F8	B/10	: Joint connector-F01	D3	F53	—	: Engine ground
D4	F9	GR/2	: Knock sensor	C4	F54	B/3	: Engine oil pressure sensor
C3	F11	GR/2	: Fuel injector no.1	D4	F56	B/3	: Fuel rail pressure sensor
C3	F12	GR/2	: Fuel injector no.2	C3	F57	—	: Engine ground
D3	F13	GR/2	: Fuel injector no.4	D4	F58	GR/3	: Crankshaft position sensor 2
D3	F14	GR/2	: Fuel injector no.3	B4	F59	GR/4	: Engine cooling electric water pump
C2	F16	L/2	: EVAP canister purge volume control solenoid valve	B3	F60	B/3	: Intake manifold runner control valve position sensor
D2	F17	B/3	: Crankshaft position sensor 1	E3	F61	GR/2	: Engine outlet coolant temperature sensor
D2	F18	GR/4	: Air fuel ratio (A/F) sensor 1	B4	F62	GR/2	: Engine inlet coolant temperature sensor
E3	F19	B/2	: Intake manifold runner control valve motor	G4	F63	BR/6	: Fuel injector relay
D1	F21	GR/4	: Heated oxygen sensor 2	E3	F64	GR/2	: High pressure fuel pump
E2	F22	B/4	: Mass air flow sensor	C2	F67	W/2	: Exhaust gas temperature sensor
B3	F24	GR/2	: Exhaust valve timing control solenoid valve	C4	F68	GR/2	: Engine oil temperature sensor
B3	F25	BR/2	: Intake valve timing control solenoid valve	F3	F74	GR/22	: CVT unit
E3	F26	B/24	: Joint connector-F03	E3	F75	B/48	: TCM (Transmission control module)
G4	F28	B/24	: Joint connector-F04	F3	F76	B/3	: Primary speed sensor
G3	F32	W/2	: To E2	E2	F77	B/3	: Output speed sensor
F3	F33	BR/16	: To E19	E3	F78	B/10	: Transmission range switch
D4	F34	GR/1	: Starter motor	D5	F79	B/10	: F201
F2	F35	W/16	: IPDM E/R (Intelligent power distribution module engine room)	E2	F80	B/6	: Electric oil pump
F3	F36	B/40	: Traction motor inverter	F2	F81	B/2	: Electric oil pump
B3	F37	BR/2	: Intake valve timing intermediate lock control solenoid valve	Engine control sub-harness			
C4	F38	B/6	: Electric compressor	D5	F201	B/10	: To F79
D4	F40	B/2	: Clutch 2 temperature sensor	D4	F202	G/4	: Electric water pump
G3	F42	B/24	: IPDM E/R (Intelligent power distribution module engine room)	C4	F203	GR/2	: Hybrid vehicle control water temperature sensor
E2	F43	B/3	: Exhaust valve timing control position sensor	C5	F204	B/3	: Refrigerant pressure sensor
D3	F44	B/3	: Camshaft position sensor				

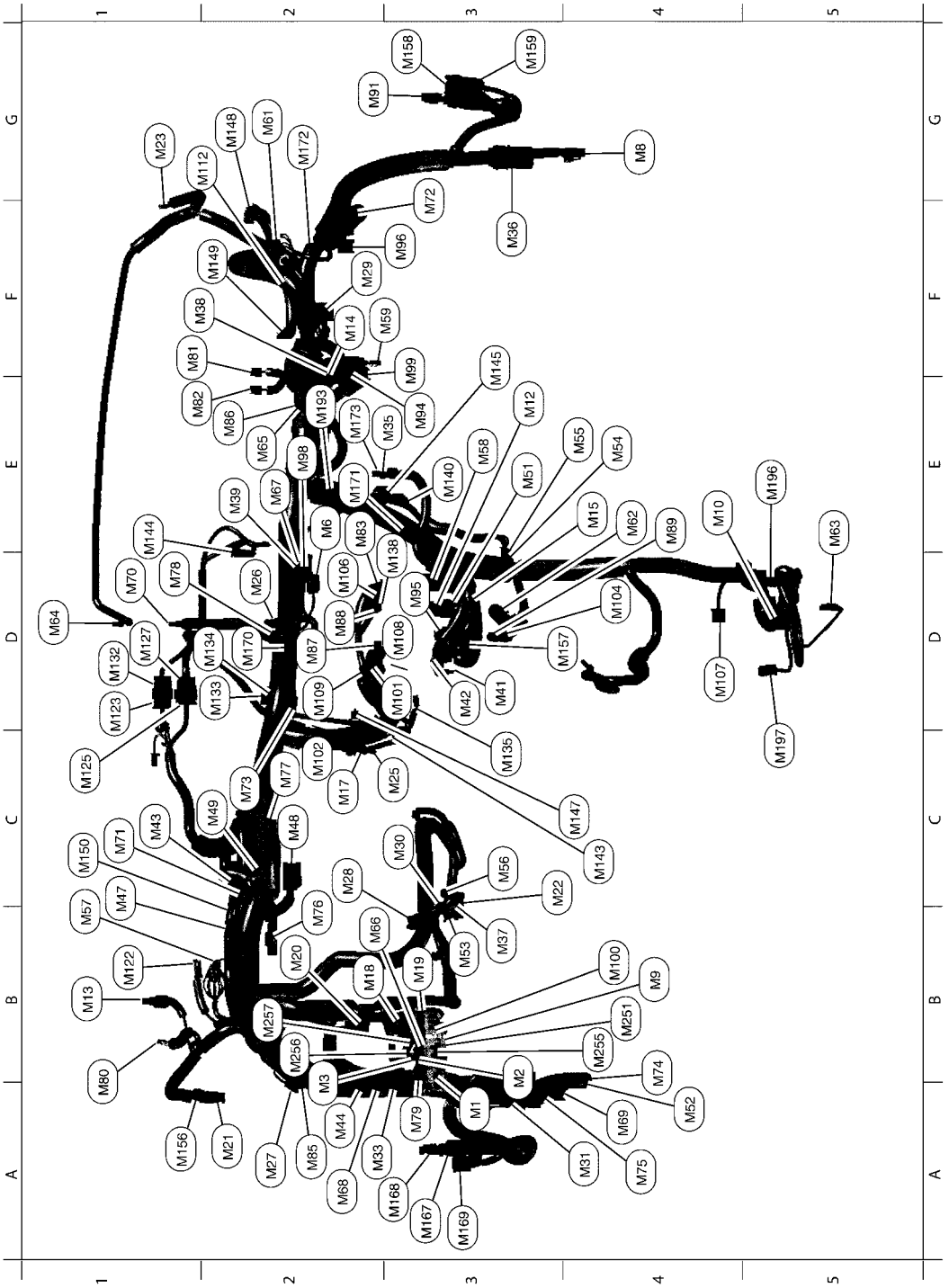


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C4	H1	O/5	: Traction motor inverter	F2	H7	O/4	: Li-ion battery
C3	H2	O/4	: Traction motor inverter	B4	H8	O/4	: Electric compressor
C3	H3	O/6	: Traction motor inverter	B4	H10	—	: Voltage fuse, fusible link and relay box 2
G1	H4	—	: DC/DC converter	G1	H11	—	: Fusible link box (Battery)

B3	H5	O/4	: CVT unit (Motor generator)	G2	H12	—	: Fusible link box (Battery)
F1	H6	O/5	: Li-ion battery				

MAIN HARNESS

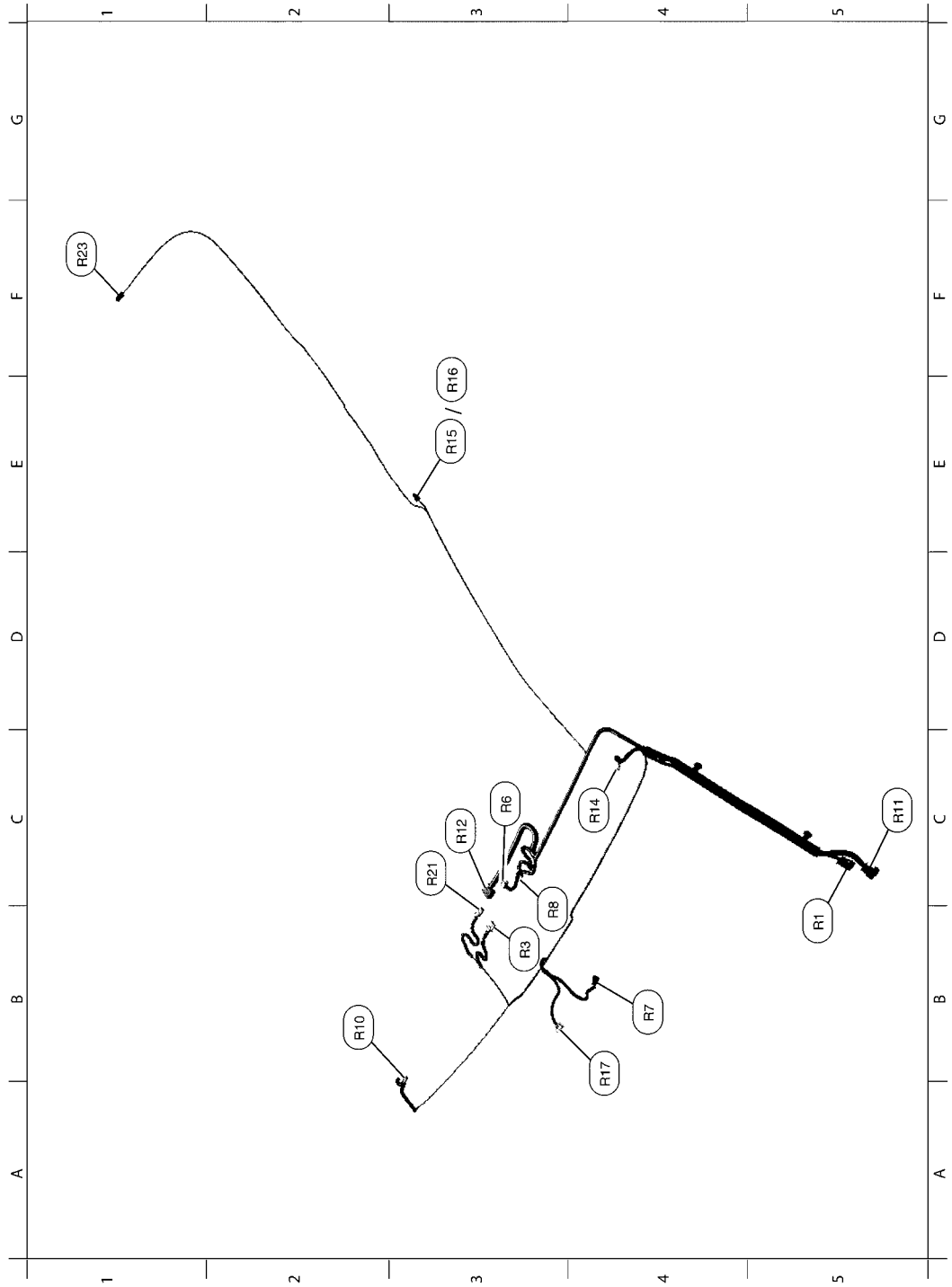


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A3	M1	GR/4	: Eco mode switch	E2	M83	W/20	: Audio unit
B3	M2	B/8	: Sport mode switch	A2	M84	W/4	: Joint connector-M32
B2	M3	W/8	: Meter control switch	A2	M85	W/8	: Joint connector-M33

E2	M6	GR/24	: Joint connector-M01	E2	M86	W/8	: Joint connector-M34
G4	M8	W/6	: To B106	D2	M87	W/32	: Audio unit
B4	M9	W/16	: To M251	D2	M88	W/8	: Audio unit
E4	M10	Y/28	: Air bag diagnosis sensor unit	E4	M89	B/6	: USB interface
E3	M12	B/4	: Room lamp relay	G2	M91	W/24	: To D101
B1	M13	W/3	: Optical sensor	E3	M94	W/6	: Automatic drive positioner control unit
F2	M14	W/4	: Joint connector- M30	D3	M95	L/4	: Heated steering relay
E4	M15	GR/2	: Inside key antenna (Instrument center)	F3	M96	W/24	: Chassis control module
C2	M17	W/8	: Push-button ignition switch	E2	M98	W/8	: Joint connector-M22
B2	M18	GR/40	: BCM (Body control module)	B4	M100	W/10	: AWD lock switch
B3	M19	B/40	: BCM (Body control module)	D3	M101	W/20	: AV control unit (Without BOSE audio system)
B2	M20	BR/16	: BCM (Body control module)	C2	M102	W/24	: AV control unit (Without BOSE audio system)
C3	M22	W/16	: Data link connector	D4	M104	W/4	: Aux in jack
G1	M23	W/2	: Front tweeter RH	D2	M106	W/8	: AV control unit (With BOSE audio system)
C3	M25	W/3	: NATS antenna amp. (With Intelligent Key system)	D4	M107	W/16	: CVT shift selector
D2	M26	W/4	: Hazard switch	D3	M108	W/20	: AV control unit (With BOSE audio system)
A2	M27	W/8	: Joint connector-M13	D2	M109	W/24	: AV control unit (With BOSE audio system)
C2	M28	W/16	: Combination switch	G2	M112	W/40	: Around view monitor control unit
F2	M29	W/16	: 3CH CAN gateway	B1	M122	—	: Body ground
C3	M30	W/12	: Combination switch (Spiral cable)	D1	M123	W/6	: To M132
A4	M31	SMJ	: To E152	C1	M125	W/32	: To M127
A2	M33	W/8	: Fuse block (J/B)	D1	M127	W/32	: To M125
E2	M35	B/40	: TCU	C4	M128	B/6	: Intake door motor
F3	M36	SMJ	: To B136	D1	M132	W/6	: To M123
B3	M37	W/2	: Combination switch (Spiral cable)	D2	M133	GR/4	: Variable blower control (With auto A/C)
E2	M38	W/6	: Joint connector-M05	D2	M134	GR/2	: Variable blower control (With auto A/C)
E1	M39	W/6	: Joint connector-M06	C3	M135	GR/2	: Intake sensor
D3	M41	W/2	: In-vehicle sensor	E3	M140	B/6	: Air mix door motor RH
D3	M42	W/2	: Circuit breaker-1	C4	M143	B/6	: Mode door motor
C1	M43	B/20	: Joint connector-M02	E1	M144	W/2	: Front blower motor
A2	M44	W/16	: Fuse block (J/B)	F3	M145	B/6	: Air mix door motor LH
C1	M47	B/20	: Joint connector-M04	C4	M147	B/6	: Intake door motor
C2	M48	B/2	: EPS control unit	G2	M148	W/24	: ADAS control unit
C2	M49	W/8	: EPS control unit	F2	M149	W/2	: Warning system buzzer
D3	M50	W/32	: Front air control	C1	M150	G/8	: Joint connector-M07
E3	M51	B/8	: A/C switch	E1	M151	W/6	: Joint connector-M40
A4	M52	W/16	: To B43	F1	M152	W/6	: Joint connector-M41
B3	M53	GR/4	: Combination switch (Spiral cable)	F1	M153	W/4	: Joint connector-M42
E4	M54	B/40	: A/C auto amp.	E1	M154	W/4	: Joint connector-M43
E4	M55	GR/40	: A/C auto amp.	F1	M155	W/4	: Joint connector-M44
C3	M56	GR/8	: Steering angle sensor	A1	M156	W/24	: To R11
B1	M57	—	: Body ground	D4	M157	B/4	: Front passenger air bag off indicator
E3	M58	B/4	: Power window relay	G3	M158	W/16	: To D102

F2	M59	W/2	: Glove box lamp	G3	M159	Y/4	: To D103
G2	M61	—	: Body ground	F1	M160	W/4	: Joint connector-M45
E4	M62	B/3	: Front power socket	G1	M161	W/4	: Joint connector-M37
E5	M63	B/3	: Console power socket	E1	M162	W/4	: Joint connector-M38
D1	M64	B/2	: Sunload sensor	E1	M163	W/4	: Joint connector-M39
E3	M65	W/8	: Joint connector-M26	G1	M164	W/4	: Joint connector-M36
B2	M66	W/8	: Heated steering wheel switch	A3	M167	W/16	: To D2
E2	M67	W/8	: Joint connector-M27	A3	M168	W/24	: To D3
A2	M68	BR/16	: Fuse block (J/B)	A3	M169	Y/4	: To D13
A4	M69	W/32	: To B41	D2	M170	W/8	: Joint connector-M29
D1	M70	BR/2	: Center speaker	E2	M171	W/4	: Joint connector-M25
C1	M71	B/20	: Joint connector-M03	G2	M172	W/4	: Joint connector-M31
F3	M72	W/2	: Circuit breaker-2	E2	M173	G/6	: TCU
C2	M73	W/8	: Joint connector-M23	E2	M193	W/8	: Joint connector-M18
B4	M74	W/16	: To B42	E5	M196	BR/6	: Front heated seat switch RH
A4	M75	B/2	: To E36	C5	M197	W/6	: Front heated seat switch LH
B2	M76	W/40	: Combination meter	Main sub harness			
C2	M77	W/12	: Combination meter	B4	M251	W/16	: To M9
D1	M78	W/8	: Joint connector-M28	B4	M252	W/10	: AWD lock switch
A3	M79	B/8	: VDC off switch	B4	M254	GR/10	: Hill descent control switch
B1	M80	W/2	: Front tweeter LH	B4	M255	W/8	: Warning system switch
F1	M81	O/2	: Front passenger air bag module	B2	M256	G/8	: Automatic back door switch
E1	M82	B/2	: Front passenger air bag module	B2	M257	B/10	: Automatic back door main switch



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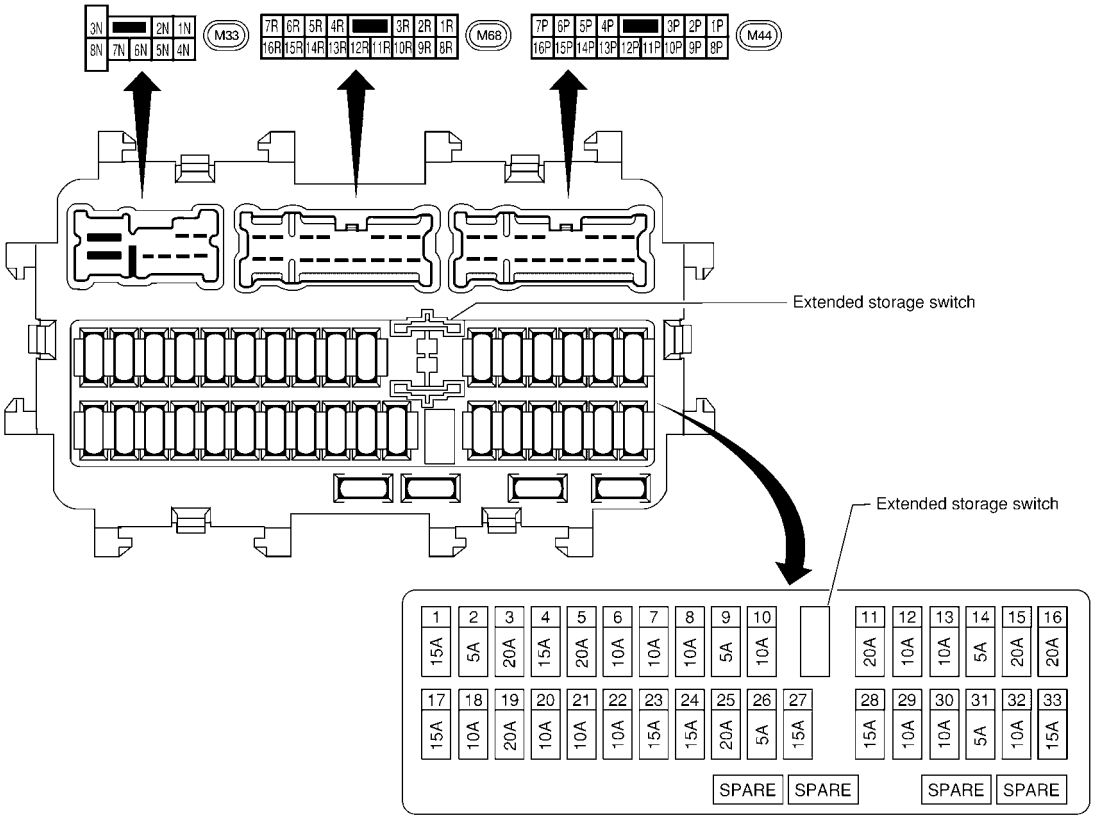
B5	R1	W/8	: To M21	C3	R12	W/12	: To R13
B3	R3	W/12	: Moonroof switch	C4	R14	W/2	: Vanity lamp LH
C3	R6	W/8	: Map lamp assembly	E3	R15	W/3	: Room lamp
B4	R7	B/10	: Auto anti-dazzling inside mirror	E3	R16	W/4	: Personal lamp 2nd row
B3	R8	W/6	: Microphone	B4	R17	B/12	: Lane camera unit

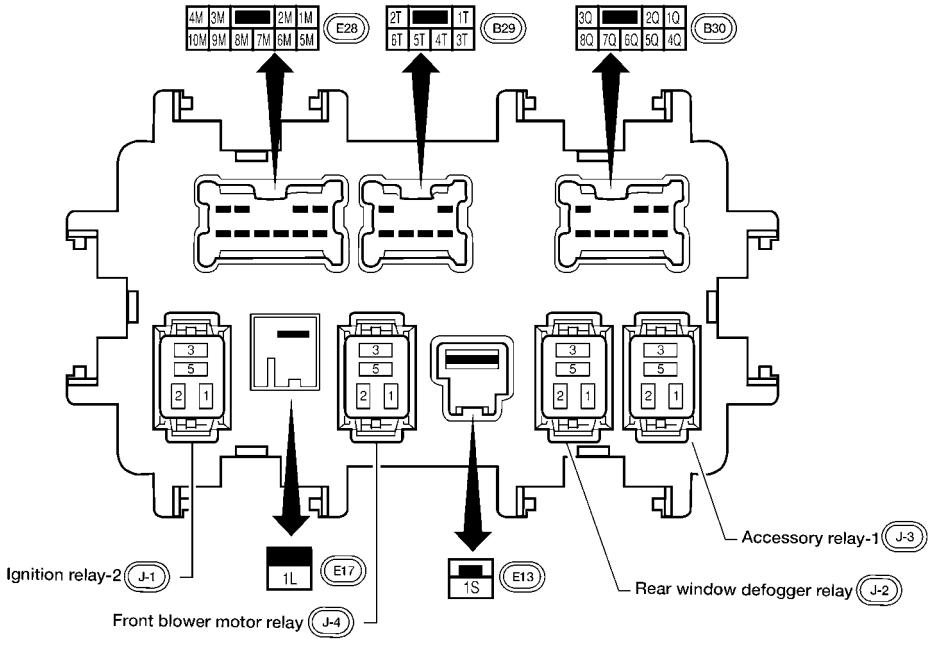
B2	R10	W/2	: Vanity lamp RH	C3	R21	W/8	: Telematics switch
C5	R11	W/24	: To M156	F1	R23	W/3	: Luggage room lamp

FUSE BLOCK - JUNCTION BOX (J/B)

Terminal Arrangement

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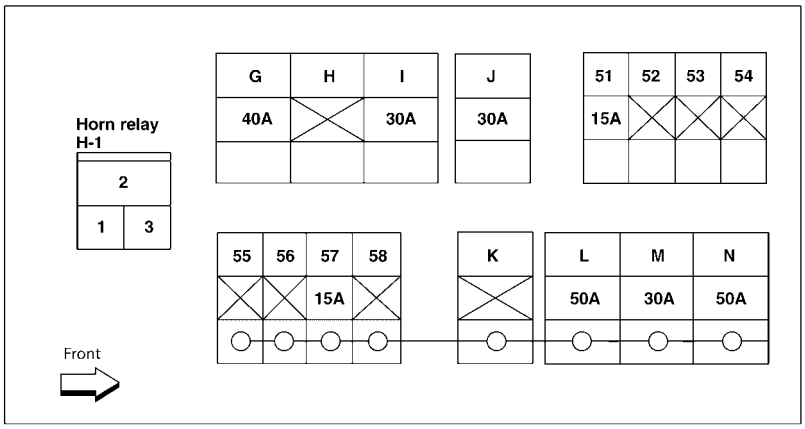
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FUSE, FUSIBLE LINK AND RELAY BOX

Terminal Arrangement

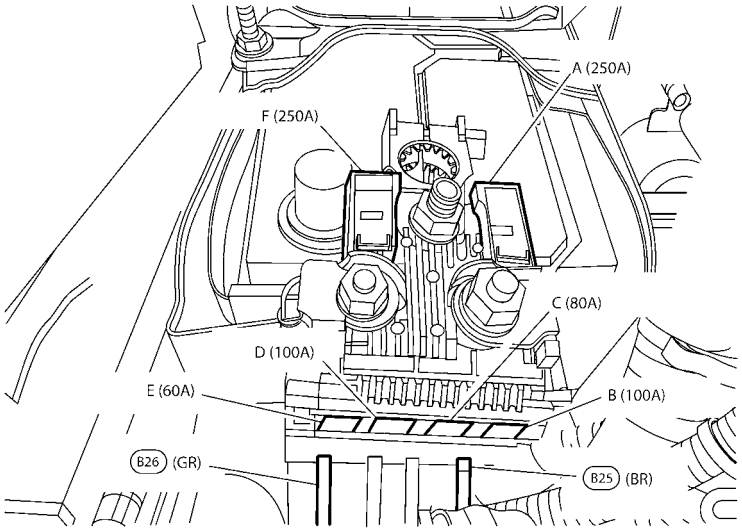
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FUSE, FUSIBLE LINK AND RELAY BOX 1



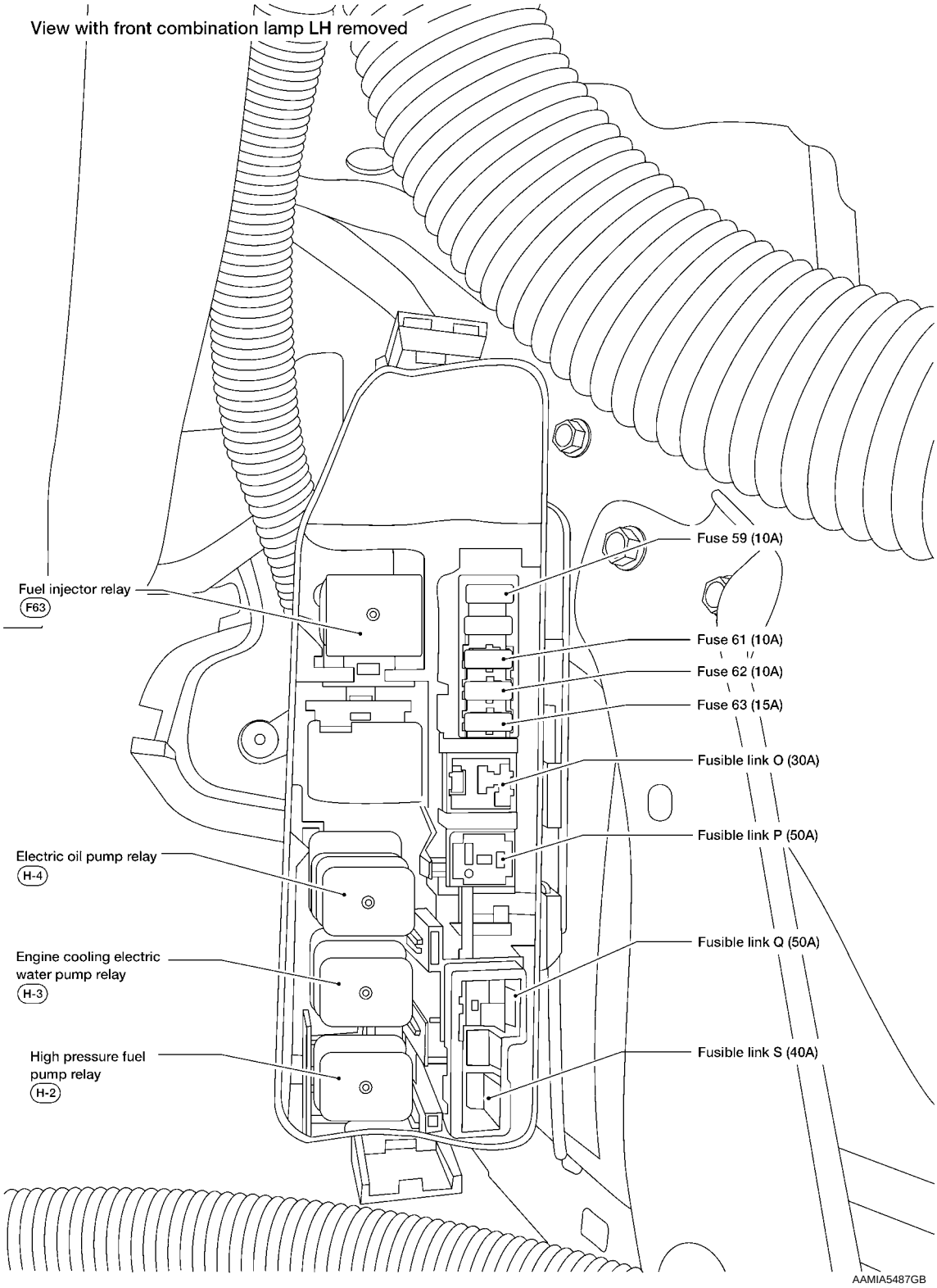
NO. 51 - 58 :FUSE G - N :FUSIBLE LINK

FUSIBLE LINK BOX (BATTERY)

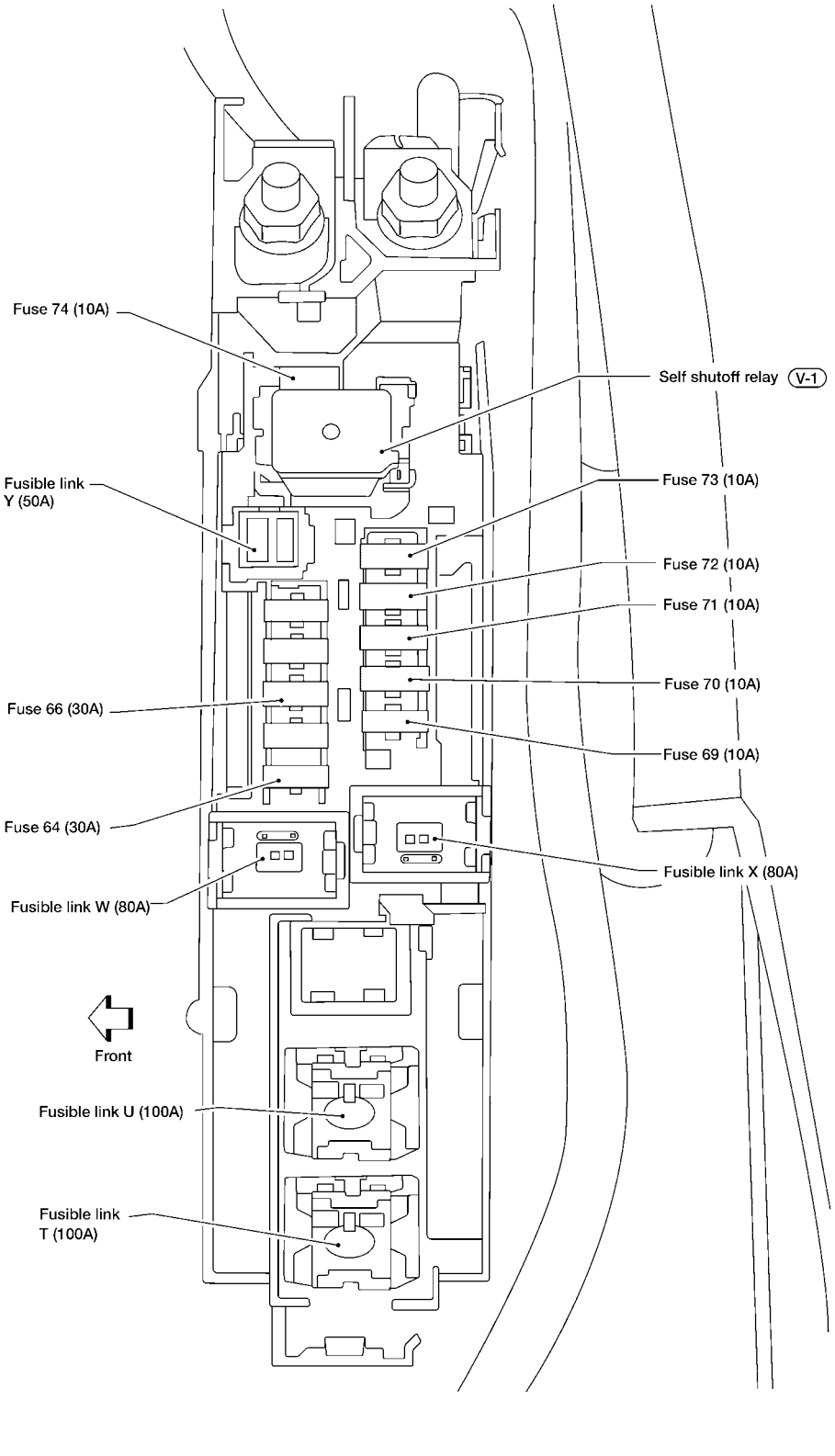


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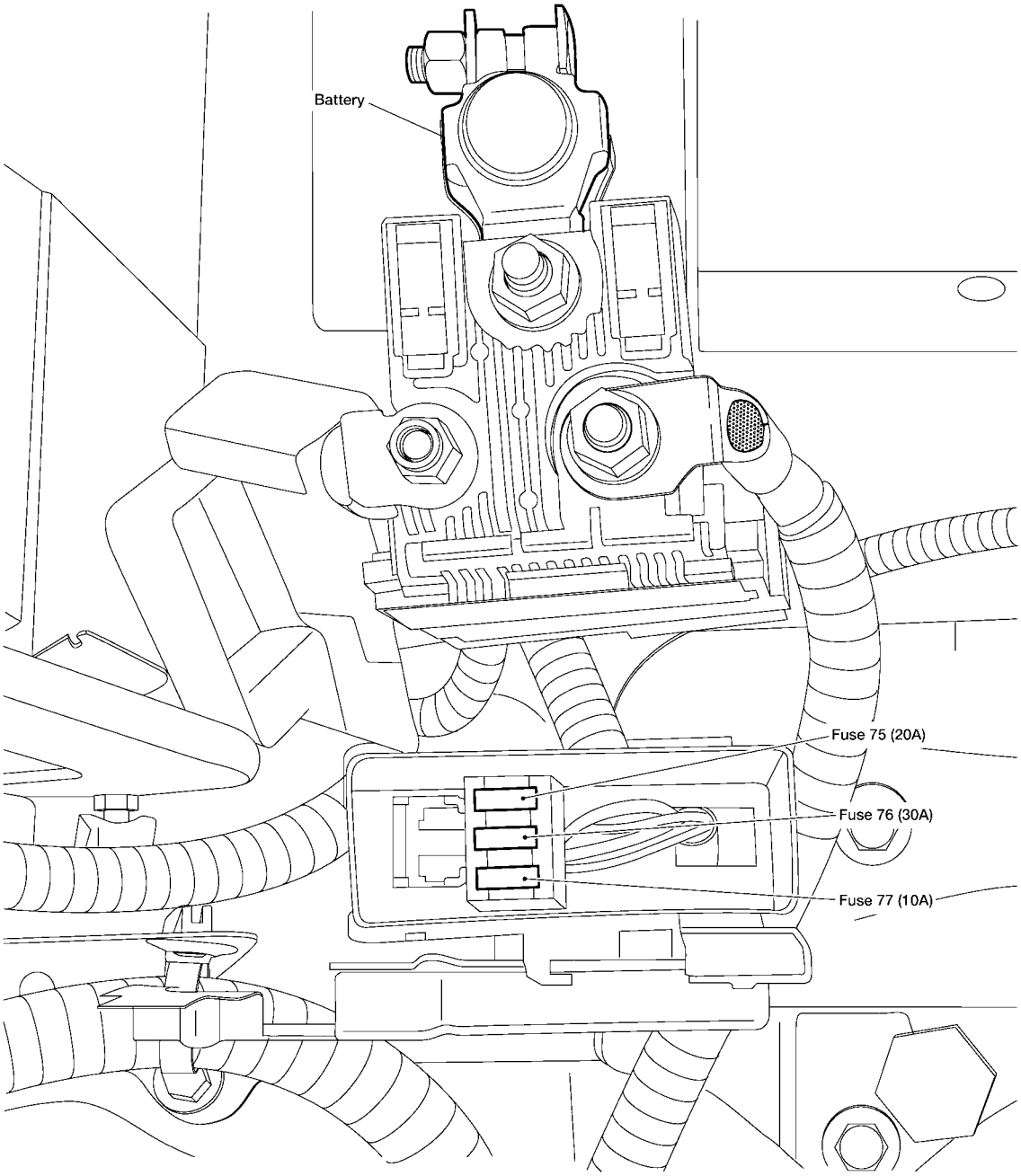
FUSE, FUSIBLE LINK AND RELAY BOX 2



HIGH VOLTAGE FUSE, FUSIBLE LINK AND RELAY BOX

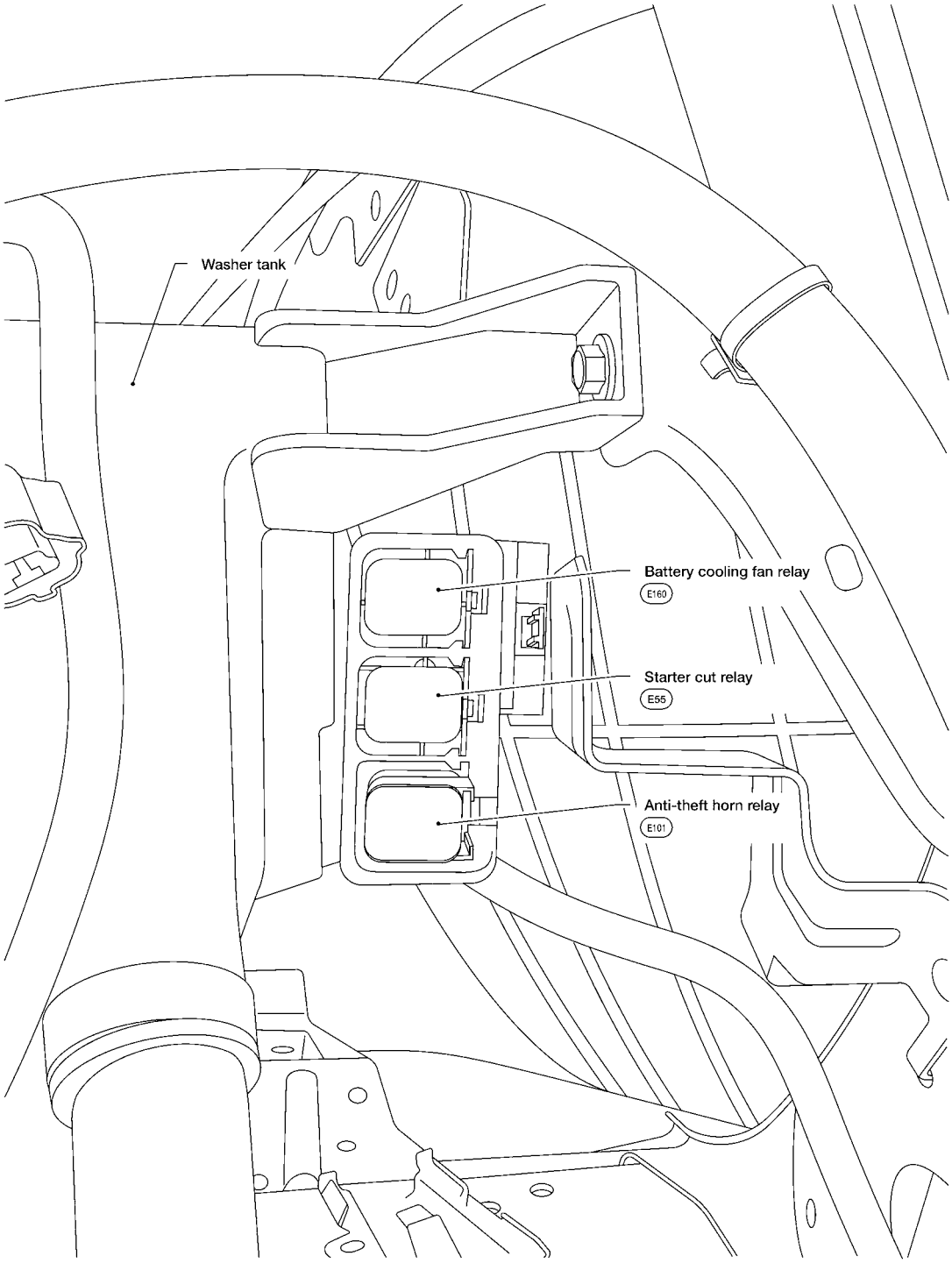


FUSE AND FUSIBLE LINK BOX



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View with front combination lamp RH removed

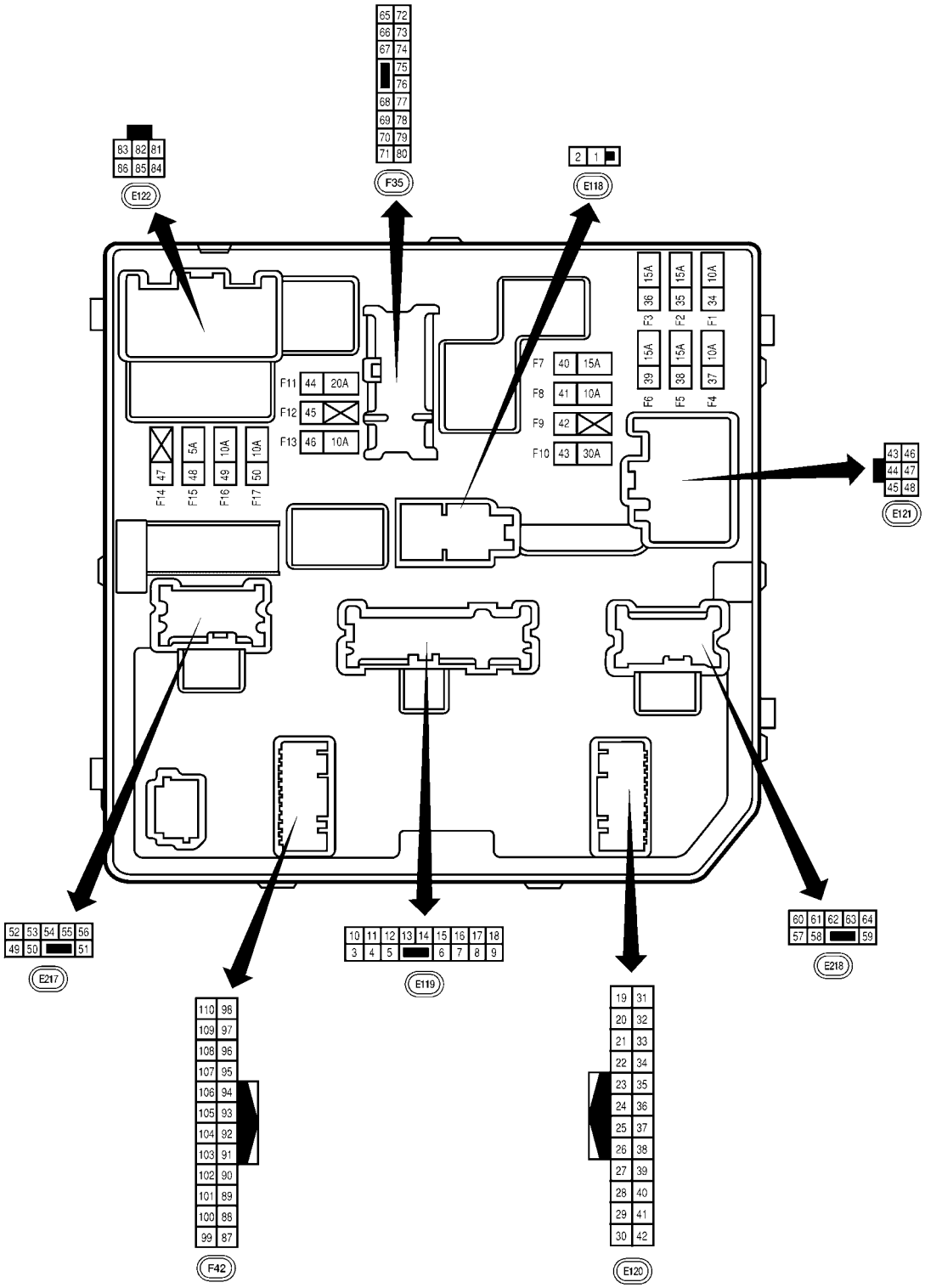


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IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)

IPDM E/R Terminal Arrangement

INFOID:0000000014622710



NOTE:
Numbers preceded by an "F" represent the fuse numbers imprinted on the IPDM E/R. The other numbers represent the fuse numbers as they appear in the wiring diagrams.

BASIC INSPECTION

BATTERY

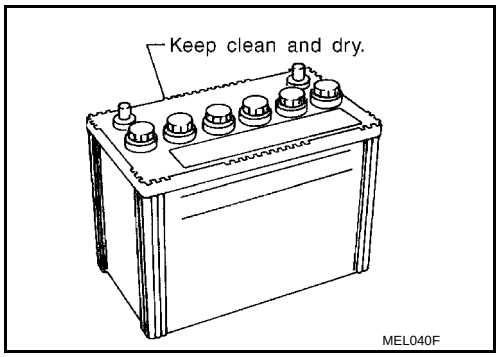
How to Handle Battery

INFOID:0000000014622711

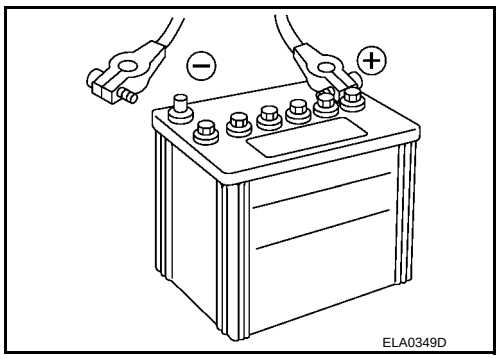
CAUTION:
- **If it becomes necessary to start the engine with a booster battery and jumper cables, use a 12-volt booster battery.**
- **After connecting battery cables, ensure that they are tightly clamped to battery terminals for good contact.**
- **Never add distilled water through the hole used to check specific gravity.**

METHODS OF PREVENTING OVER-DISCHARGE

The following precautions must be taken to prevent over-discharging a battery.
- The battery surface (particularly its top) should always be kept clean and dry.
- The terminal connections should be clean and tight.
- At every routine maintenance, check the electrolyte level. This also applies to batteries designated as “low maintenance” and “maintenance-free”.



- When the vehicle is not going to be used over a long period of time, disconnect the battery cable from the negative terminal. (If the vehicle has an extended storage switch, turn it off.)



Work Flow

INFOID:0000000014622712

BATTERY DIAGNOSIS WITH EXP-800 NI OR GR8-1200 NI

To diagnose and confirm the condition of the battery, use the following special service tools:
- EXP-800 NI Battery and electrical diagnostic analyzer
- GR8-1200 NI Multitasking battery and electrical diagnostic station

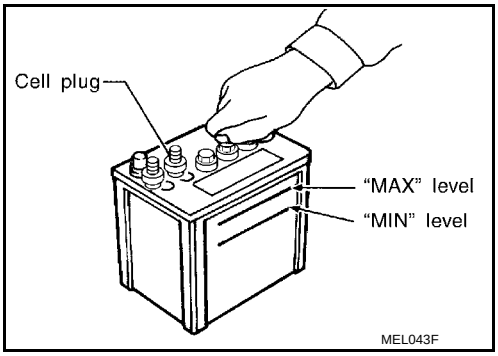
NOTE:
Refer to the applicable Instruction Manual for proper battery diagnosis procedures.

BATTERY DIAGNOSIS WITHOUT EXP-800 NI OR GR8-1200 NI

Checking Electrolyte Level

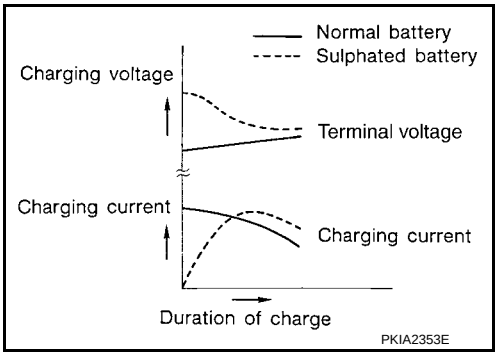
WARNING:
Never allow battery fluid to come in contact with skin, eyes, fabrics, or painted surfaces. After touching a battery, never touch or rub your eyes until you have thoroughly washed your hands. If acid contacts eyes, skin or clothing, immediately flush with water for 15 minutes and seek medical attention. Failure to do this may cause personal injury or damage to clothing or the painted surfaces.

- Remove the cell plug using a suitable tool.
- Add distilled water up to the MAX level.



SULFATION

- **A battery will be completely discharged if it is left unattended for a long time and the specific gravity will become less than 1.100. This may result in sulfation on the cell plates.**
- **To determine if a battery has been "sulfated", note its voltage and current when charging it. As shown in the figure, less current and higher voltage are observed in the initial stage of charging sulfated batteries.**
- **A sulfated battery may sometimes be brought back into service by means of a long, slow charge, 12 hours or more, followed by a battery capacity test.**



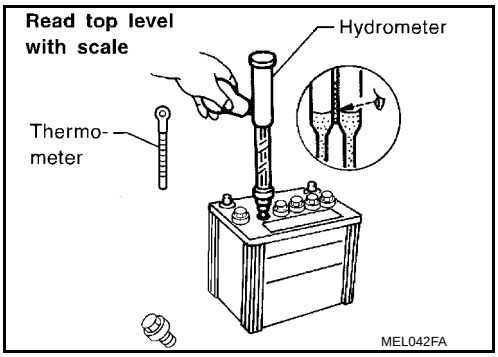
Specific Gravity Check

NOTE:

Check the charge condition of the battery.

Periodically check the specific gravity of the electrolyte. Keep a close check on charge condition to prevent over-discharge.

1. Read hydrometer and thermometer indications at eye level.
2. Use the chart below to correct your hydrometer reading according to electrolyte temperature.



Hydrometer Temperature Correction

Battery electrolyte temperature [°C (°F)]	Add to specific gravity reading
71 (160)	0.032
66 (150)	0.028
60 (140)	0.024
54 (130)	0.020
49 (120)	0.016
43 (110)	0.012
38 (100)	0.008
32 (90)	0.004
27 (80)	0
21 (70)	–0.004
16 (60)	–0.008
10 (50)	–0.012

Battery electrolyte temperature [°C (°F)]	Add to specific gravity reading
4 (40)	–0.016
–1 (30)	–0.020
–7 (20)	–0.024
–12 (10)	–0.028
–18 (0)	–0.032

Corrected specific gravity	Approximate charge condition
1.260 - 1.280	Fully charged
1.230 - 1.250	3/4 charged
1.200 - 1.220	1/2 charged
1.170 - 1.190	1/4 charged
1.140 - 1.160	Almost discharged
1.110 - 1.130	Completely discharged

Charging The Battery

CAUTION:

- **Never “quick charge” a fully discharged battery.**
- **Keep the battery away from open flame while it is being charged.**
- **When connecting the charger, connect the leads first, then turn on the charger. Never turn on the charger first, as this may cause a spark.**
- **If battery electrolyte temperature rises above 55 °C (131 °F), stop charging. Always charge battery at a temperature below 55 °C (131 °F).**

Charging Rates (Standard Charge)

Approximate charge condition	Charge current (A)	Charge time (h)
Fully charged	7	2
3/4 charged		2.5
1/2 charged		5
1/4 charged		7.5
Almost discharged		9
Completely discharged		10

Charging Rates (Quick Charge)

Approximate charge condition	Charge current (A)	Charge time (h)
Fully charged	—	—
3/4 charged	16	0.5
1/2 charged	33	
1/4 charged		
Almost discharged		
Completely discharged	—	—

NOTE:

The ammeter reading on your battery charger will automatically decrease as the battery charges. This indicates that the voltage of the battery is increasing normally as the state of charge improves. The charging amps indicated above refer to initial charge rate.

- If, after charging, the specific gravity of any two cells varies more than 0.050, the battery should be replaced.

INSPECTION AND ADJUSTMENT

ADDITIONAL SERVICE WHEN REMOVING BATTERY NEGATIVE TERMINAL

ADDITIONAL SERVICE WHEN REMOVING BATTERY NEGATIVE TERMINAL : Special Repair Requirement

INFOID:0000000014622713

Required Procedure After Battery Disconnection

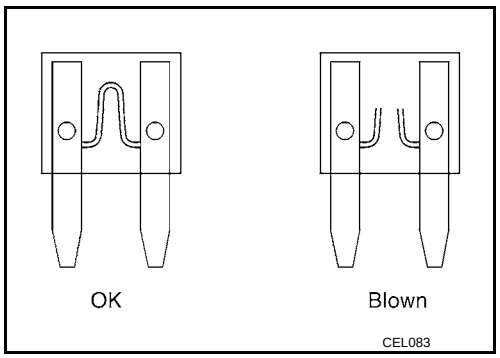
System	Item	Reference
Engine Control System	Idle Air Volume Learning	EC-156
Door & Lock	Calibration Of Automatic Back Door Position Information	DLK-116
Power Window Control System	Power Window System Initialization	PWC-26
Roof	Moonroof Memory Reset/Initialization Sunshade Memory Reset/Initialization	RF-22
Heater & Air Conditioning Control System	Temperature Setting Trimmer	HAC-60
	Foot Position Setting Trimmer	HAC-60
	Inlet Port Memory Function (FRE)	HAC-61
	Inlet Port Memory Function (REC)	HAC-61
	Target Evaporator Temp Upper Limit	HAC-61
Audio, Visual and Navigation System	Audio (Radio Preset)	Refer to Owner's Manual.
	Navigation System	Refer to Owner's Manual.

FUSE INSPECTION

How To Check

INFOID:0000000014622714

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

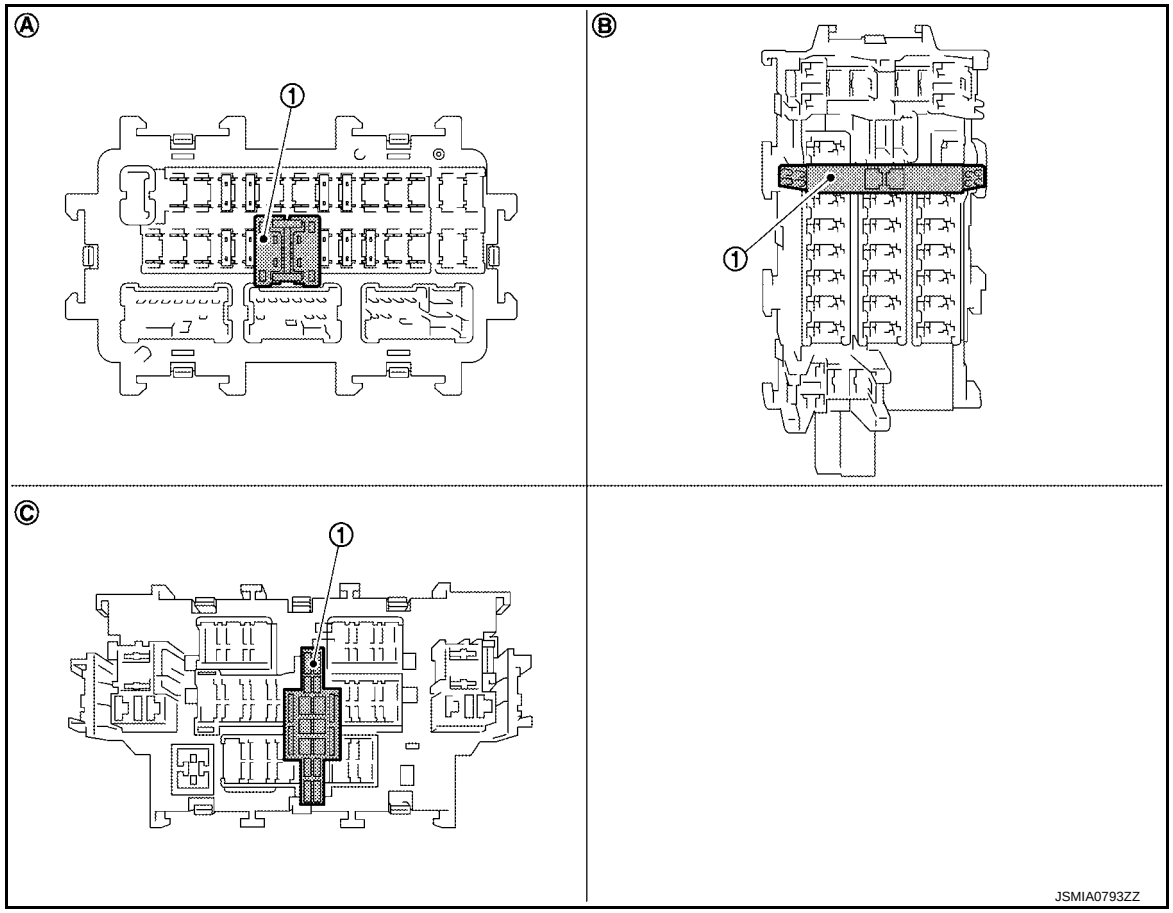


EXTENDED STORAGE SWITCH (IF EQUIPPED)

NOTE:

- When extended storage switch is pulled out, a message may be shown in the meter or display. To turn message/display off, push extended storage switch in.
- The following information is related to extended storage switch (shipping mode). For information related to BCM transit mode, refer to BCS-7, "BODY CONTROL SYSTEM : System Description".

The following switch may be mounted on the fuse block (Junction Box) for transportation and storage.



① Extended storage switch

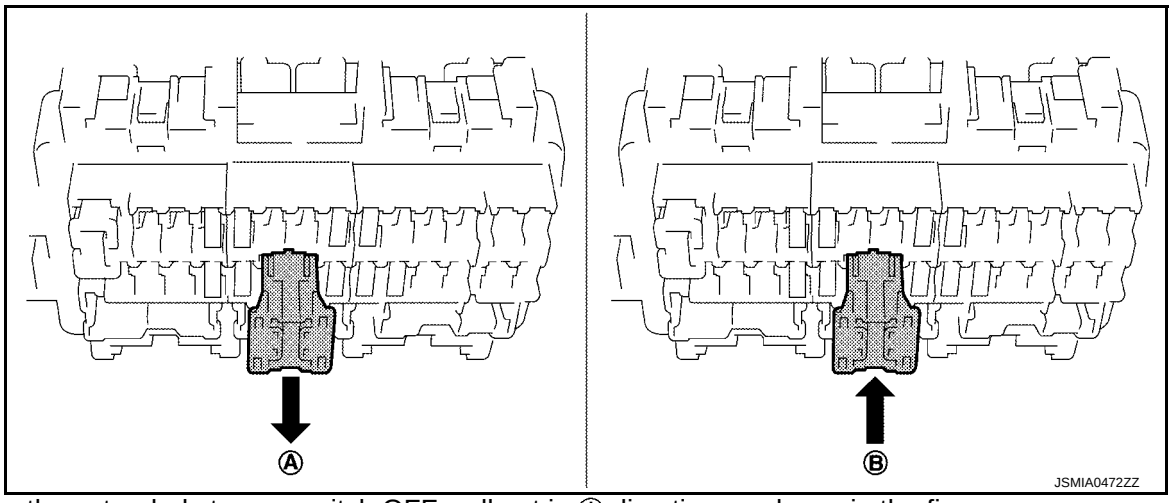
Ⓐ Type A Ⓑ Type B Ⓒ Type C

Remove the extended storage switch if it interferes when checking fuses.

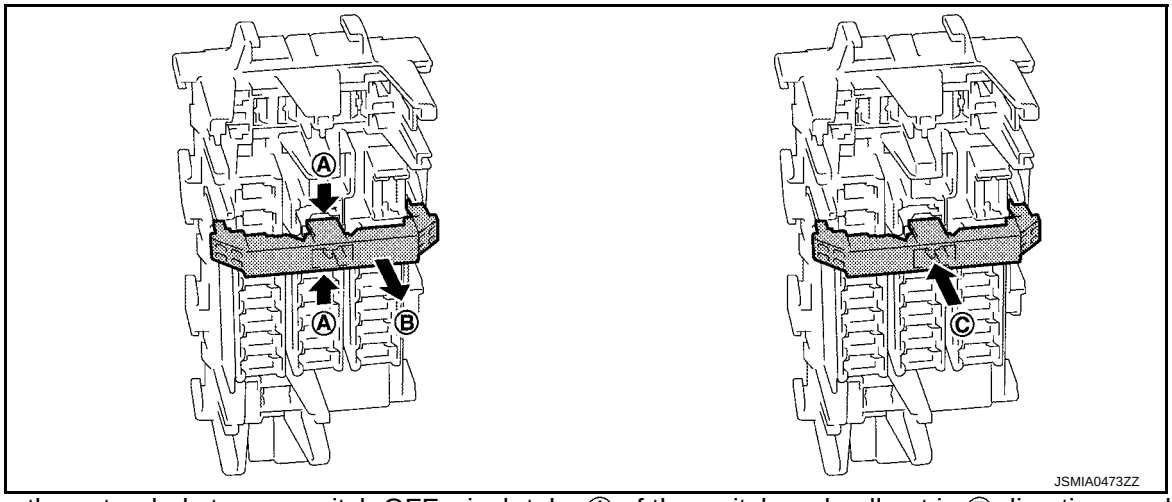
How/When to turn Extended Storage Switch ON/OFF

CAUTION:

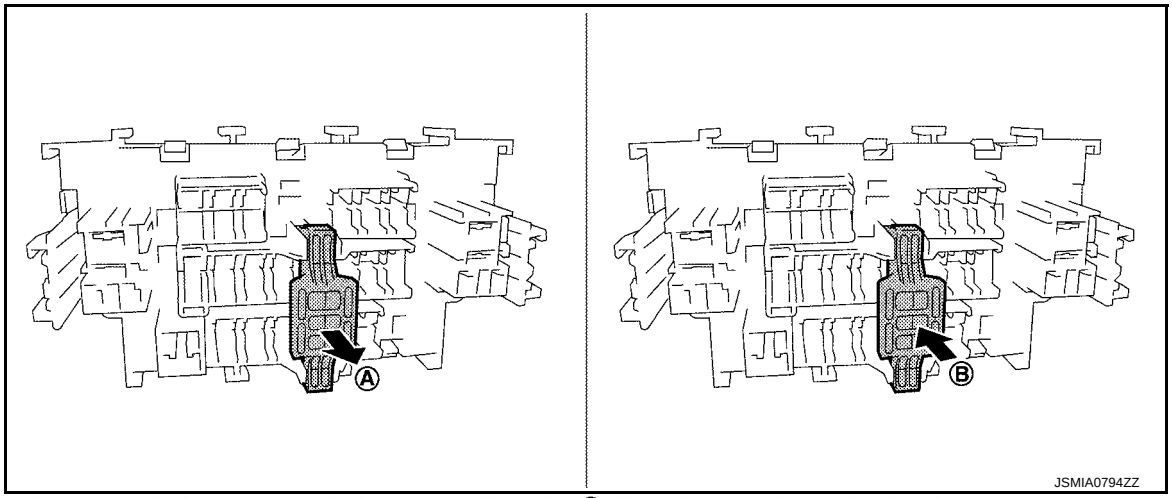
- **Turn the ignition switch OFF when operating the extended storage switch.**
- **Under normal conditions, keep the extended storage switch in ON state. Never operate the extended storage switch except when necessary.**
- Type A



- To turn the extended storage switch OFF, pull out in Ⓐ direction as shown in the figure.
- To turn the extended storage switch ON, press in Ⓑ direction as shown in the figure.
- Type B



- To turn the extended storage switch OFF, pinch tabs Ⓐ of the switch and pull out in Ⓑ direction as shown in the figure.
- To turn the extended storage switch ON, press in Ⓒ direction as shown in the figure.
- Type C

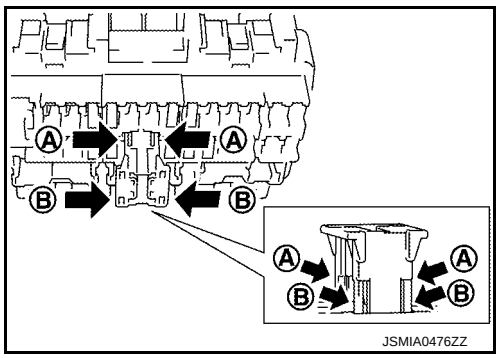


- To turn the extended storage switch OFF, pull out in Ⓐ direction as shown in the figure.
- To turn the extended storage switch ON, press in Ⓑ direction as shown in the figure.

How To Remove Extended Storage Switch

Type A

1. Turn the ignition switch OFF.
2. Turn the extended storage switch OFF.
3. Pinch tabs Ⓐ and tilt to disengage the extended storage switch. Pinch tabs Ⓑ to remove the extended storage switch.



CAUTION:

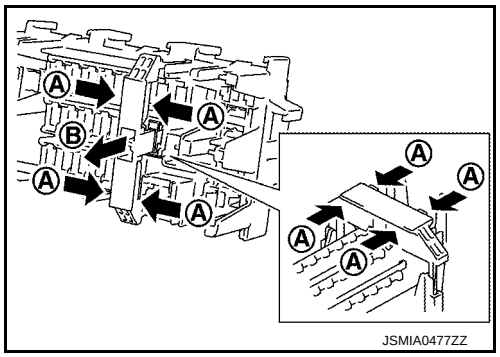
For bus bar type extended storage switch, never replace bus bar with a fuse, or fuse may continually open.

NOTE:

- Extended storage switch and fuse (or bus bar) are removed together. Remove fuse (or bus bar) from extended storage switch, if necessary.
- Install removed fuse (or bus bar) to fuse block.
- Extended storage switch is for transportation and storage. Reinstallation of switch is not required after removal, but fuse (or bus bar) must be reinstalled/pushed back in to activate all electrical systems and turn message off (which may be shown in meter/display).

Type B

1. Turn the ignition switch OFF.
2. Turn the extended storage switch OFF.
3. Pinch tabs Ⓐ and firmly pull out the extended storage switch in Ⓑ direction.



CAUTION:

For bus bar type extended storage switch, never replace bus bar with a fuse, or fuse may continually open.

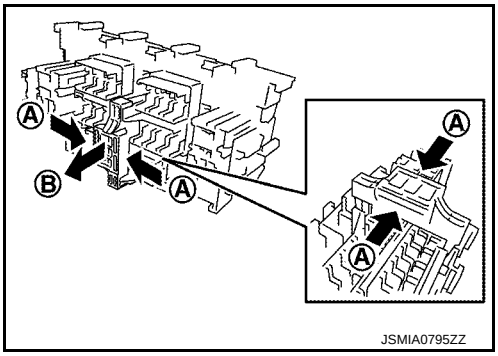
NOTE:

- Extended storage switch and fuse (or bus bar) may be removed together. Remove fuse (or bus bar) from extended storage switch, if necessary.
- Install removed fuse (or bus bar) to fuse block.
- Extended storage switch is for transportation and storage. Reinstallation of switch is not required after removal, but fuse (or bus bar) must be reinstalled/pushed back in to activate all electrical systems and turn message off (which may be shown in meter/display).

Type C

1. Turn the ignition switch OFF.
2. Turn the extended storage switch OFF.

3. Pinch tabs Ⓐ and firmly pull out the extended storage switch in Ⓑ direction.



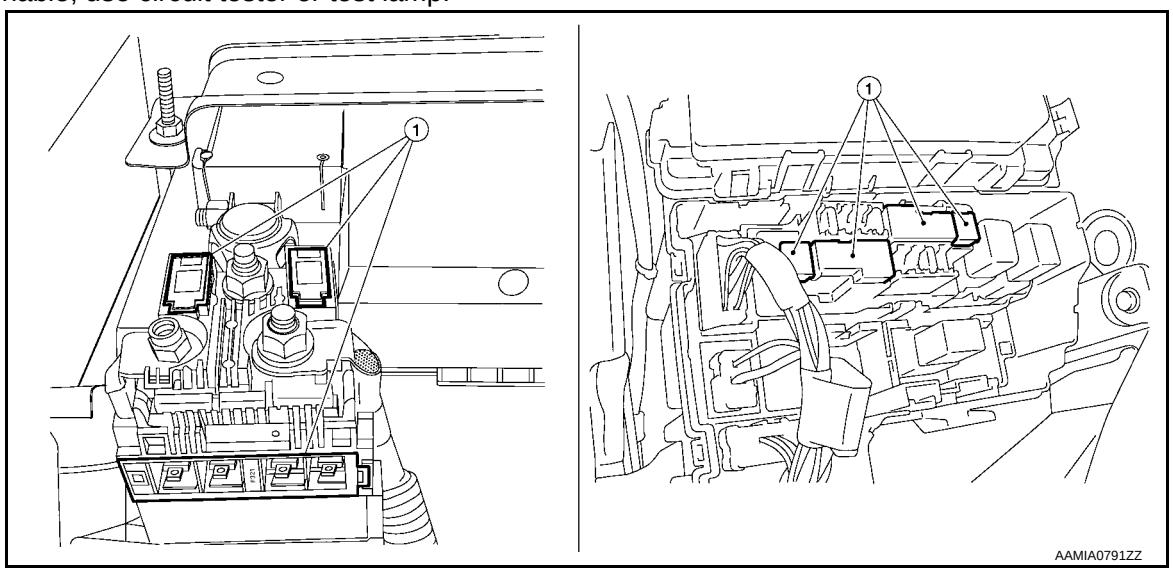
CAUTION:
For bus bar type extended storage switch, never replace bus bar with a fuse, or fuse may continually open.
NOTE:
- Extended storage switch and fuse (or bus bar) are removed together. Remove fuse (or bus bar) from extended storage switch, if necessary.
- Install removed fuse (or bus bar) to fuse block.
- Extended storage switch is for transportation and storage. Reinstallation of switch is not required after removal, but fuse (or bus bar) must be reinstalled/pushed back in to activate all electrical systems and turn message off (which may be shown in meter/display).

FUSIBLE LINK INSPECTION

Fusible Link

INFOID:0000000014622715

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.



1 : Fusible link

CAUTION:

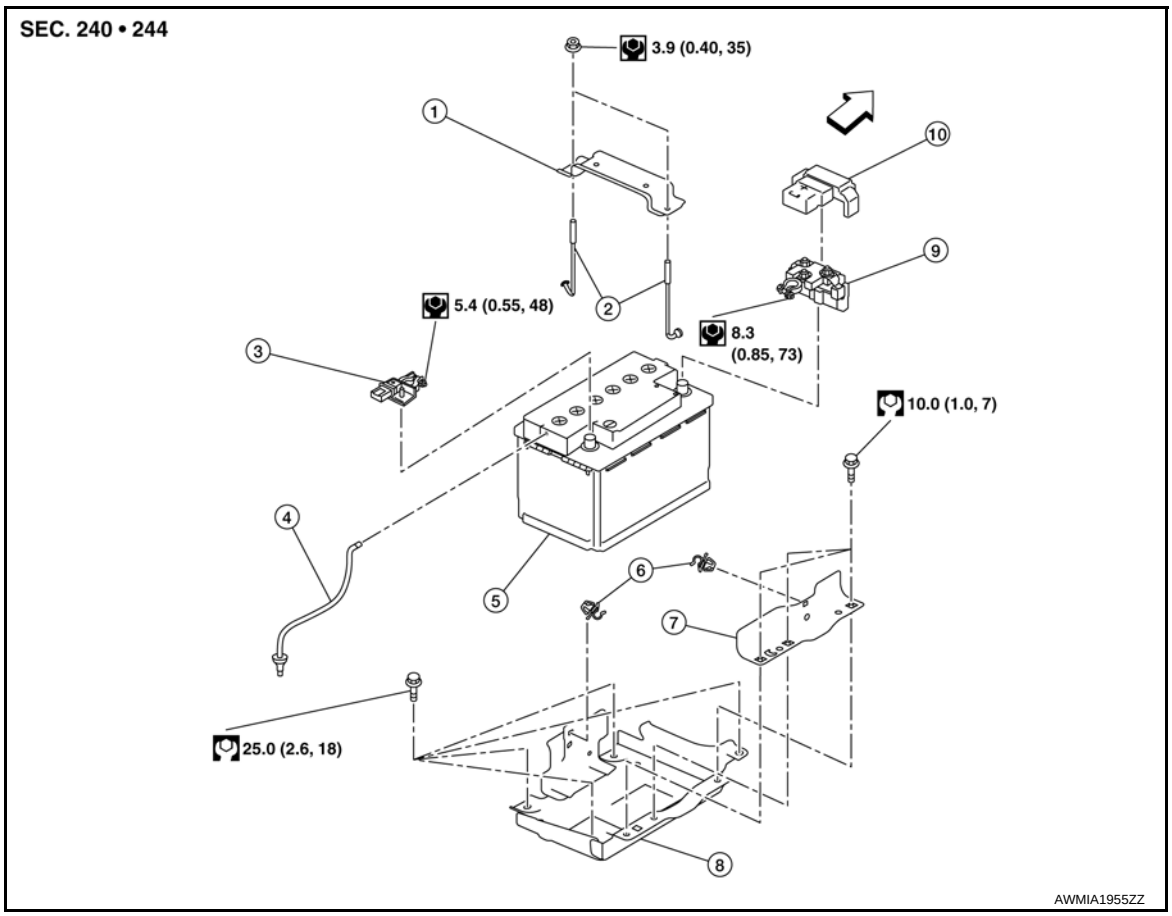
- **If fusible link should melt, it is possible that critical circuit (power supply or large current carrying circuit) is shorted. In such a case, carefully check and eliminate cause of malfunction.**
- **Never wrap outside of fusible link with vinyl tape. Important: Never let fusible link touch any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

REMOVAL AND INSTALLATION

BATTERY

Exploded View

INFOID:0000000014622716



1. Battery frame	2. Battery rod	3. Battery current sensor
4. Vent tube	5. Battery	6. Clip
7. Battery bracket	8. Battery tray	9. Fusible link box
10. Cover	⇦ Front	

Battery Disconnect

INFOID:0000000014896549

REMOVAL

1. Remove rear luggage floor finisher. Refer to INT-32, "Exploded View".
2. Pull back cover of battery positive terminal.
3. Loosen the battery terminal nuts and disconnect the battery negative and positive terminals.
   CAUTION:
   To prevent damage to the parts, disconnect battery negative terminal first.

INSTALLATION

Installation is in the reverse order of removal.

WARNING:

Do not allow battery fluid to come into contact with skin, eyes, fabrics, or painted surfaces. After touching a battery, never touch or rub your eyes until you have thoroughly washed your hands. If acid contacts eyes, skin or clothing, immediately flush with water for 15 minutes and seek medical attention. Failure to do this may cause personal injury or damage to clothing or the painted surfaces.

Battery terminal nuts **5.4 N·m (0.55 kg-m, 48 in-lb)**

- Reset electronic systems as necessary. Refer to PG-122, "ADDITIONAL SERVICE WHEN REMOVING BATTERY NEGATIVE TERMINAL : Special Repair Requirement".
- Perform the "Throttle Valve Closed Position Learning". Refer to EC-155, "Description".

Removal and Installation (Battery)

INFOID:0000000014622717

REMOVAL

1. Disconnect the battery. Refer to PG-128, "Battery Disconnect".
2. Remove battery frame nuts, battery frame and battery rods.
3. Remove battery cover and battery.

INSTALLATION

Installation is in the reverse order of removal.

WARNING:

Do not allow battery fluid to come into contact with skin, eyes, fabrics, or painted surfaces. After touching a battery, never touch or rub your eyes until you have thoroughly washed your hands. If acid contacts eyes, skin or clothing, immediately flush with water for 15 minutes and seek medical attention. Failure to do this may cause personal injury or damage to clothing or the painted surfaces.

CAUTION:

- **Make sure battery tray liner is clean prior to installing new battery.**
- **To prevent damage to the parts, connect the battery positive terminal first.**
- **Make sure battery cables are tightly clamped to battery terminals for good contact.**
- **Check battery terminal for poor connection caused by corrosion.**

Battery terminal nut **: 5.4 N·m (0.55 kg-m, 48 in-lb)**

- Reset electronic systems as necessary. Refer to PG-122, "ADDITIONAL SERVICE WHEN REMOVING BATTERY NEGATIVE TERMINAL : Special Repair Requirement".
- Perform the "Throttle Valve Closed Position Learning". Refer to EC-155, "Description".

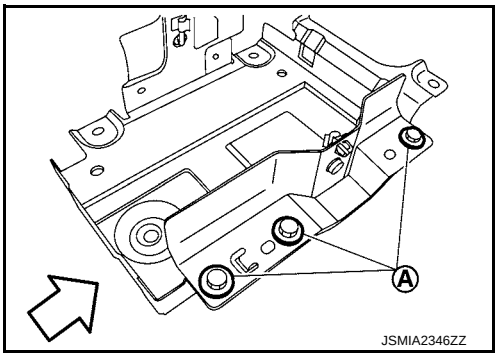
Removal and Installation (Battery Tray)

INFOID:0000000014622718

REMOVAL

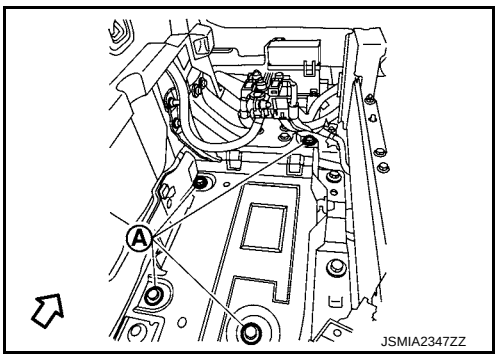
1. Remove battery. Refer to PG-129, "Removal and Installation (Battery)".
2. Remove bolts (A) from battery bracket.

⇦ : Front



3. Remove battery bracket from battery tray.
4. Remove bolts (A) from battery tray.

⇦ : Front



5. Remove battery tray.

INSTALLATION

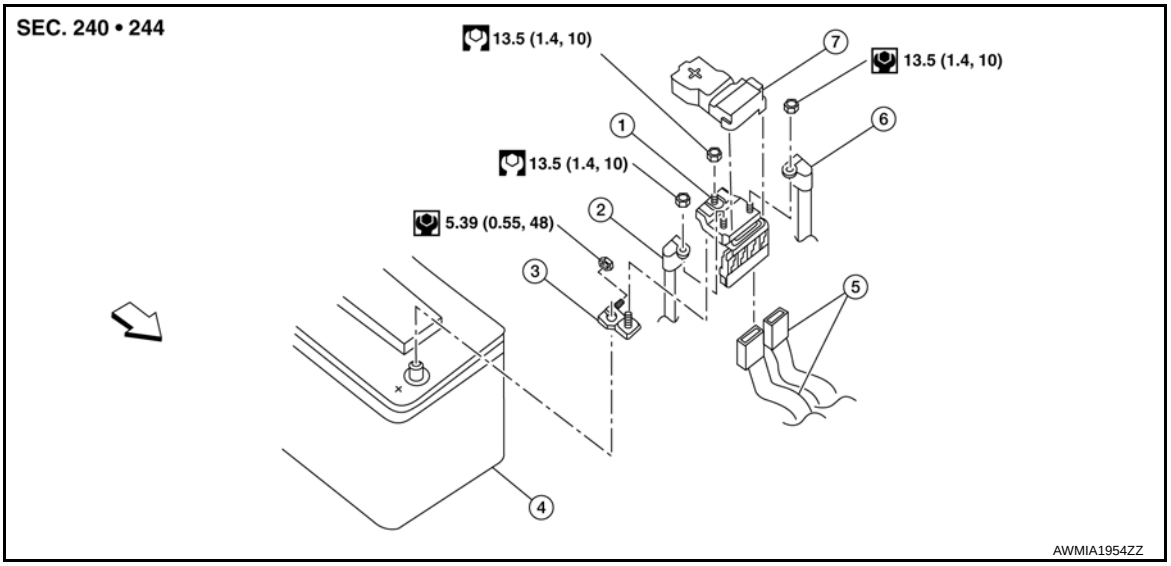
Installation is in the reverse order of removal.

- Reset electronic systems as necessary. Refer to PG-122, "ADDITIONAL SERVICE WHEN REMOVING BATTERY NEGATIVE TERMINAL : Special Repair Requirement".
- Perform the "Throttle Valve Closed Position Learning". Refer to EC-155, "Description".

BATTERY TERMINAL WITH FUSIBLE LINK

Exploded View

INFOID:0000000014622719



1. Fusible link box (battery)
2. Positive cable (12V HEV)
3. Positive terminal
4. Battery
5. Harness connectors
6. Positive terminal (12V)
7. Cover
- ⇦ Front

Removal and Installation

INFOID:0000000014622720

REMOVAL

1. Disconnect the battery. Refer to PG-128, "Battery Disconnect".
   CAUTION:
   To prevent damage to the parts, disconnect the battery negative terminal first.
2. Remove nuts and separate the positive cable (12V) and the positive cable (12V HEV) from the fusible link box (battery).
3. Disconnect the harness connectors from the fusible link box (battery).
4. Remove nut and separate positive terminal from fusible link box (battery).
5. Remove fusible link box (battery).

INSTALLATION

Installation is in the reverse order of removal.

CAUTION:

Replace the fusible link box battery if it has been dropped or sustained and impact.

To install the battery, carefully read the following instructions:

- **To prevent damage to the parts, connect the battery cable to the positive terminal first.**
- **After connecting battery cables, to securely supply battery voltage, ensure that they are tightly clamped to battery terminals for good contact.**
- **To securely supply battery voltage, check battery terminal for poor connection caused by corrosion.**
- Reset electronic systems as necessary. Refer to PG-122, "ADDITIONAL SERVICE WHEN REMOVING BATTERY NEGATIVE TERMINAL : Special Repair Requirement".
- Perform the "Throttle Valve Closed Position Learning". Refer to EC-155, "Description".

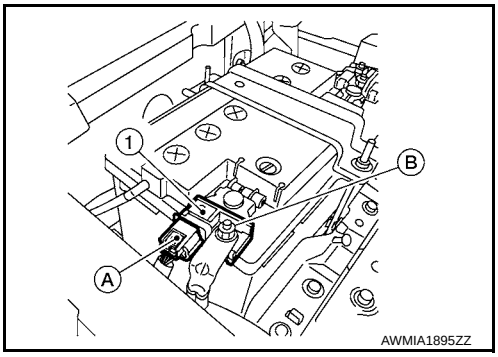
BATTERY CURRENT SENSOR

Removal and Installation

INFOID:0000000014904405

REMOVAL

1. Disconnect the battery. Refer to PG-128, "Battery Disconnect".
2. Disconnect the harness connector (A) from the battery current sensor (1).
3. Remove the battery current sensor nut (B).



4. Remove the battery current sensor from battery cable.

INSTALLATION

Installation is in the reverse order of removal.

Battery current sensor nut : 13 N·m (1.3 kg-m, 10 ft-lb)

- Reset electronic systems as necessary. Refer to PG-122, "ADDITIONAL SERVICE WHEN REMOVING BATTERY NEGATIVE TERMINAL : Special Repair Requirement".
- Perform the "Throttle Valve Closed Position Learning". Refer to EC-155, "Description".

SERVICE DATA AND SPECIFICATIONS (SDS)

SERVICE DATA AND SPECIFICATIONS (SDS)

Battery

INFOID:0000000014622721

Type*		LN3
Capacity (20HR) minimum	[V – Ah]	12 – 70
Cold cranking current @ -18°C (0°F)	[A]	660

*: Always check with the Parts Department for the latest parts information.