

SECTION **PG**

POWER SUPPLY, GROUND & CIRCUIT ELEMENTS

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PRECAUTIONS

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PRECAUTION

PRECAUTIONS

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

INFOID:000000008273549

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. This system includes seat belt switch inputs and dual stage front air bag modules. The SRS system uses the seat belt switches to determine the front air bag deployment, and may only deploy one front air bag, depending on the severity of a collision and whether the front occupants are belted or unbelted. 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, all maintenance must be performed by an authorized NISSAN/INFINITI dealer.
- Improper maintenance, including incorrect removal and installation of the SRS, can lead to personal injury caused by unintentional activation of the system. For removal of Spiral Cable and Air Bag Module, see the 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 Airbag Diagnosis Sensor Unit or other Airbag 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 and wait at least three minutes before performing any service.

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PREPARATION


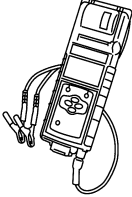
< PREPARATION >

PREPARATION

PREPARATION

Special Service Tools

INFOID:000000008273550

Tool number (Kent-Moore No.) Tool name	Description
<p>— (→) Model GR8-1200 NI Multitasking battery and electrical diagnostic station</p>  <p>AWI1A1239ZZ</p>	<p>Tests batteries, starting and charging systems and charges batteries. For operating instructions, refer to diagnostic station instruction manual.</p>
<p>— (→) Model EXP-800 NI Battery and electrical diagnostic analyzer</p>  <p>JSMIA0806ZZ</p>	<p>Tests batteries and charging systems. For operating instructions, refer to diagnostic analyzer instruction manual.</p>

COMPONENT PARTS

< SYSTEM DESCRIPTION >

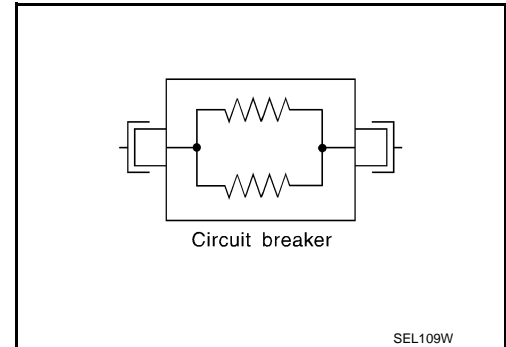
SYSTEM DESCRIPTION

COMPONENT PARTS

Circuit Breaker

INFOID:0000000008273551

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.



Battery

INFOID:0000000008273552

Type		80D23L-HR*
20 hour rate capacity	[V – Ah]	12 – 62
Cold cranking current (For reference value)	[A]	570

HR*: Because of the frequent battery charge/discharge performed according to a driving condition and a battery condition, this model uses a charge/discharge capacity-enhanced battery. Therefore, it is recommended to use a genuine battery when replacement is needed.

Harness Connector

INFOID:0000000008273553

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.

CAUTION:

Never pull the harness or wires when disconnecting the connector.

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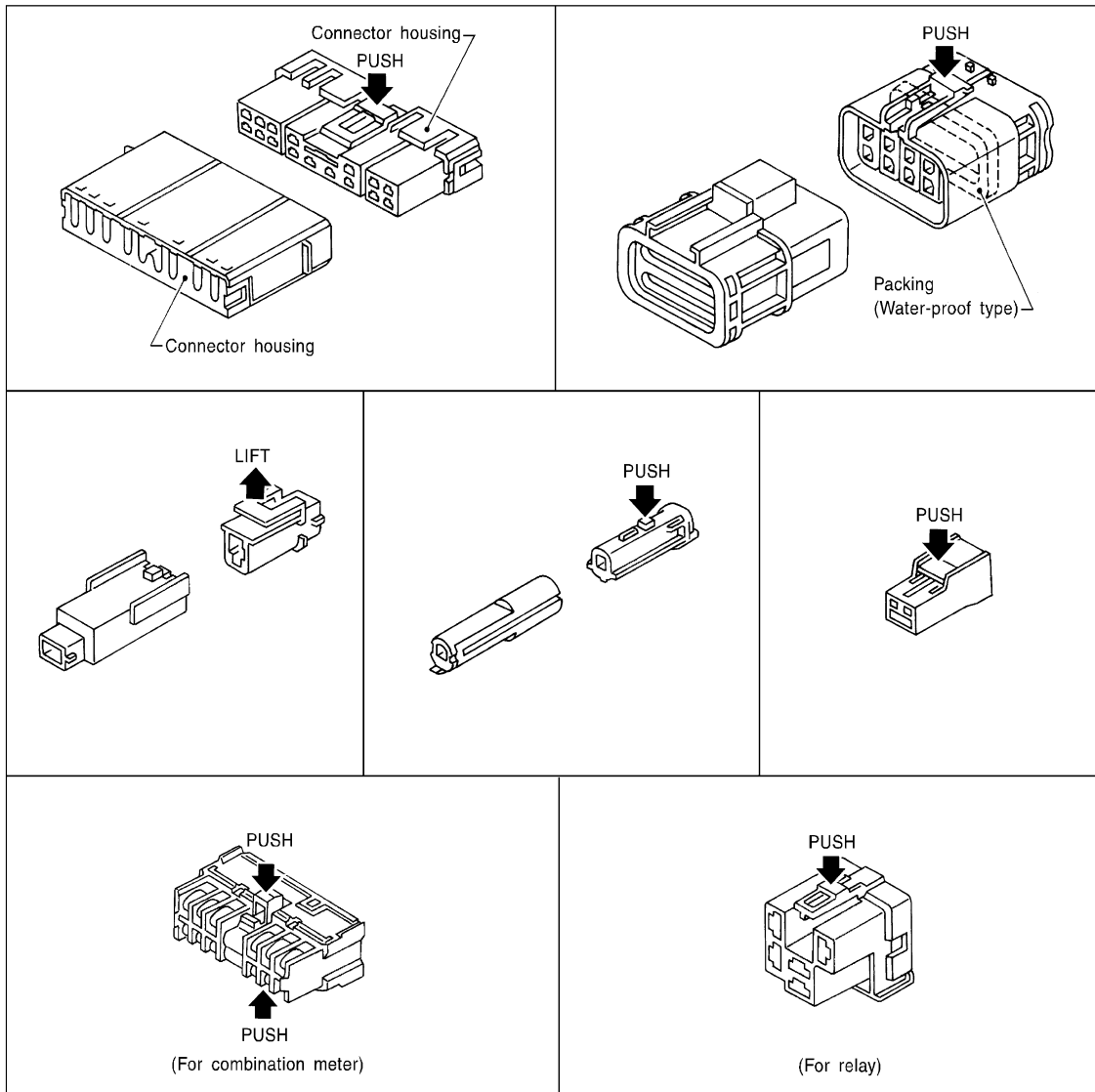
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COMPONENT PARTS

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[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.

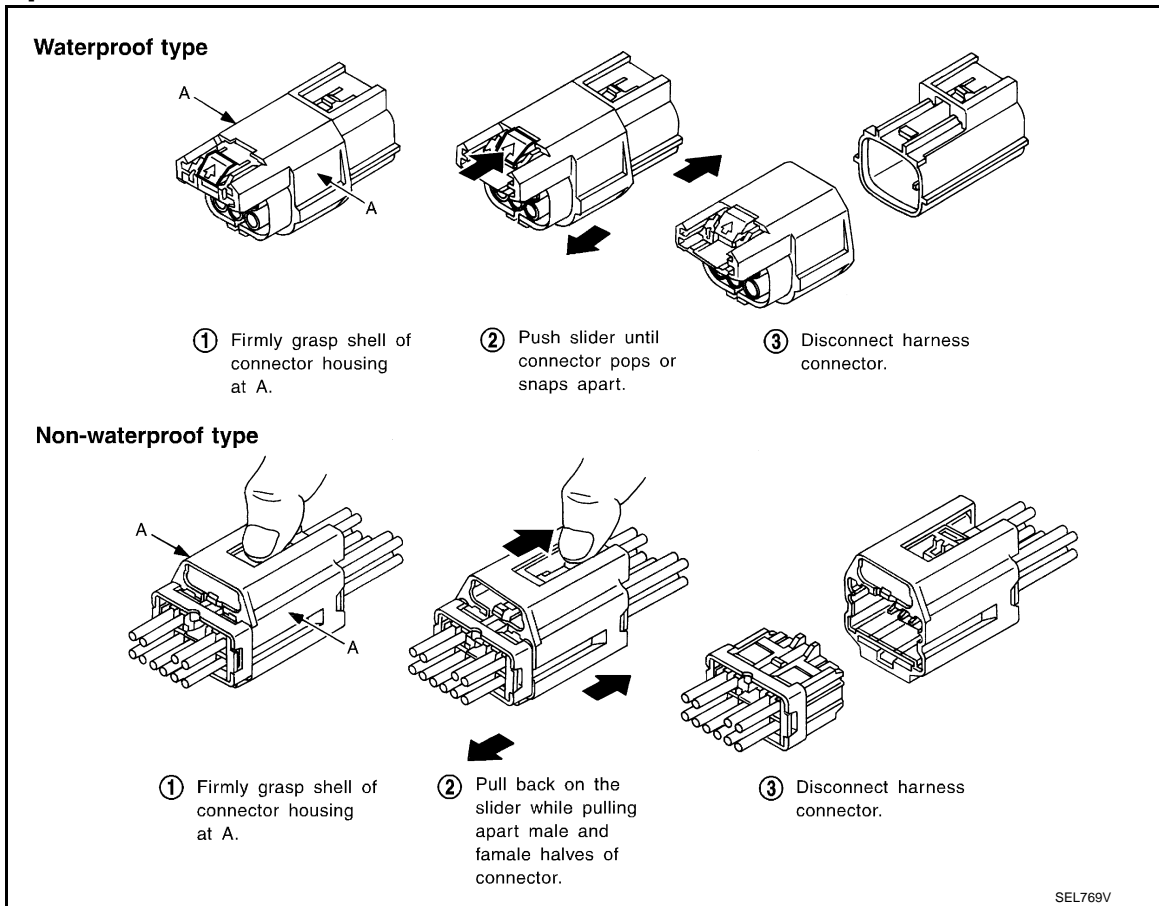
CAUTION:

- **Never pull the harness or wires when disconnecting the connector.**
- **Be careful not to damage the connector support bracket when disconnecting the connector.**

COMPONENT PARTS

< SYSTEM DESCRIPTION >

[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.

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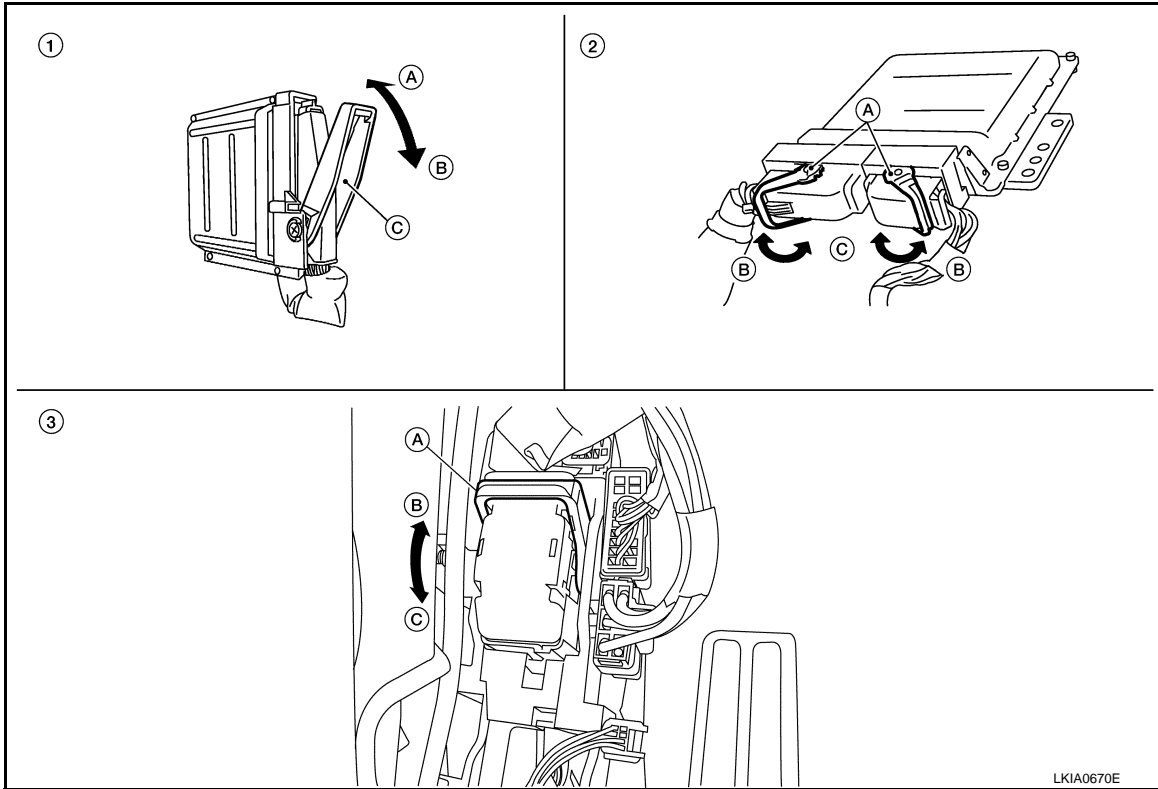
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COMPONENT PARTS

< SYSTEM DESCRIPTION >

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.



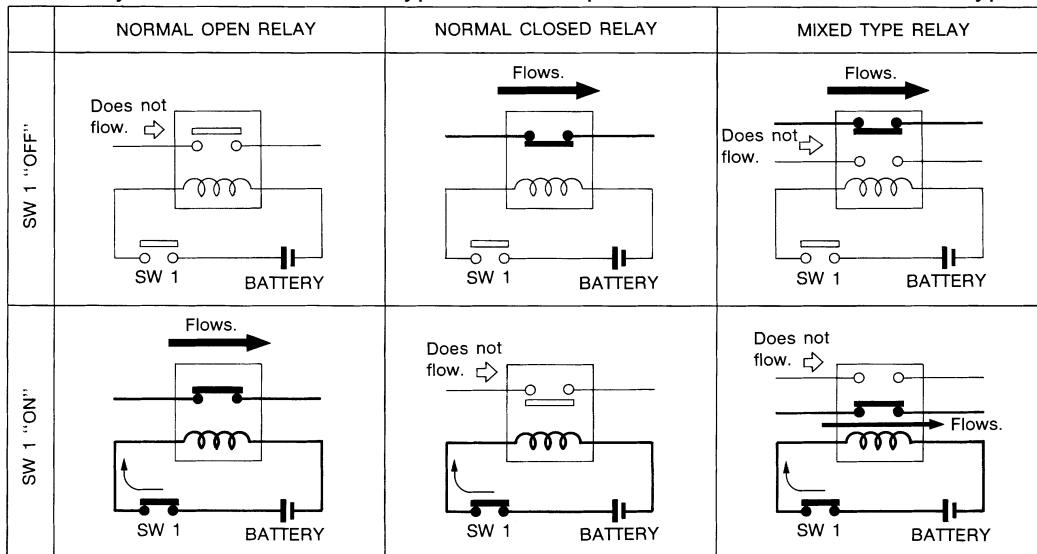
- | | | |
|--|--|---|
| <p>1. Control unit with single lever</p> <p>A. Fasten</p> <p>B. Loosen</p> <p>C. Lever</p> | <p>2. Control unit with dual levers</p> <p>A. Levers</p> <p>B. Fasten</p> <p>C. Loosen</p> | <p>3. SMJ connector</p> <p>A. Lever</p> <p>B. Fasten</p> <p>C. Loosen</p> |
|--|--|---|

Standardized Relay

INFOID:000000008273554

NORMAL OPEN, NORMAL CLOSED AND MIXED TYPE RELAYS

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



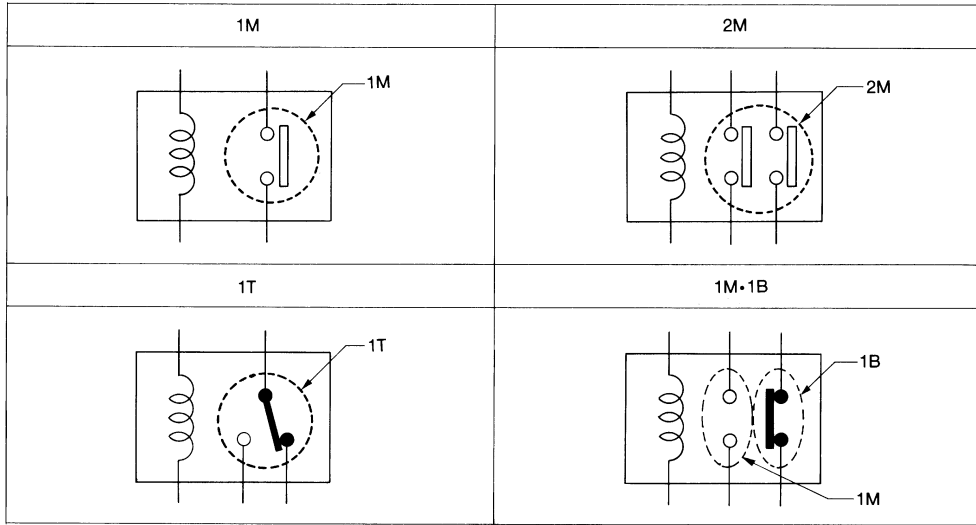
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TYPE OF STANDARDIZED RELAYS

COMPONENT PARTS

< SYSTEM DESCRIPTION >

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



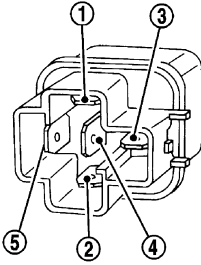
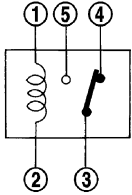
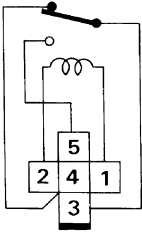
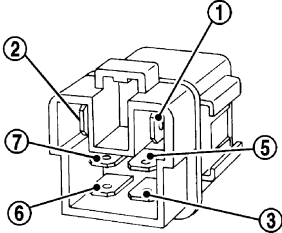
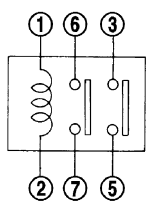
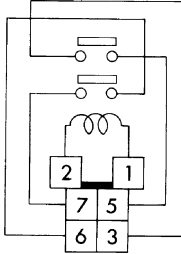
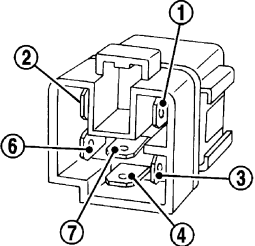
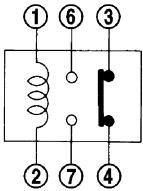
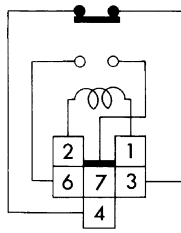
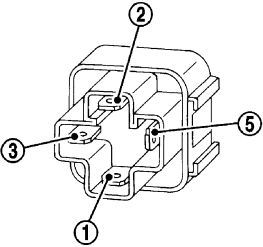
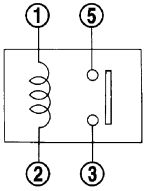
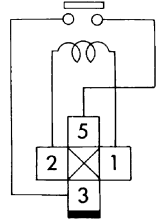
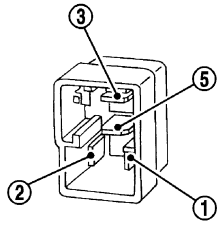
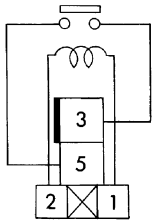
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COMPONENT PARTS

< SYSTEM DESCRIPTION >

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

POWER SUPPLY ROUTING CIRCUIT


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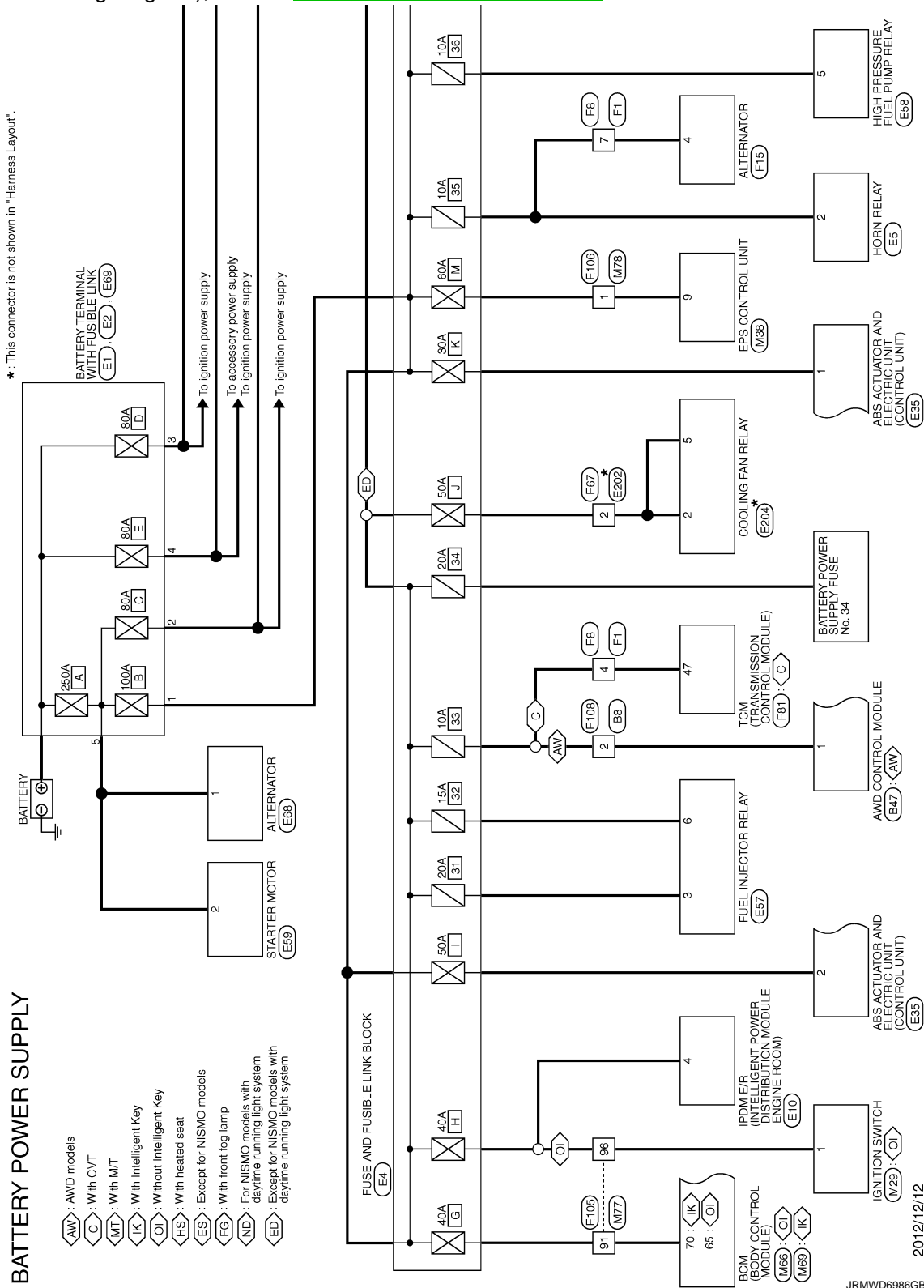
WIRING DIAGRAM

POWER SUPPLY ROUTING CIRCUIT

Wiring Diagram - BATTERY POWER SUPPLY -

INFOID:000000008273555

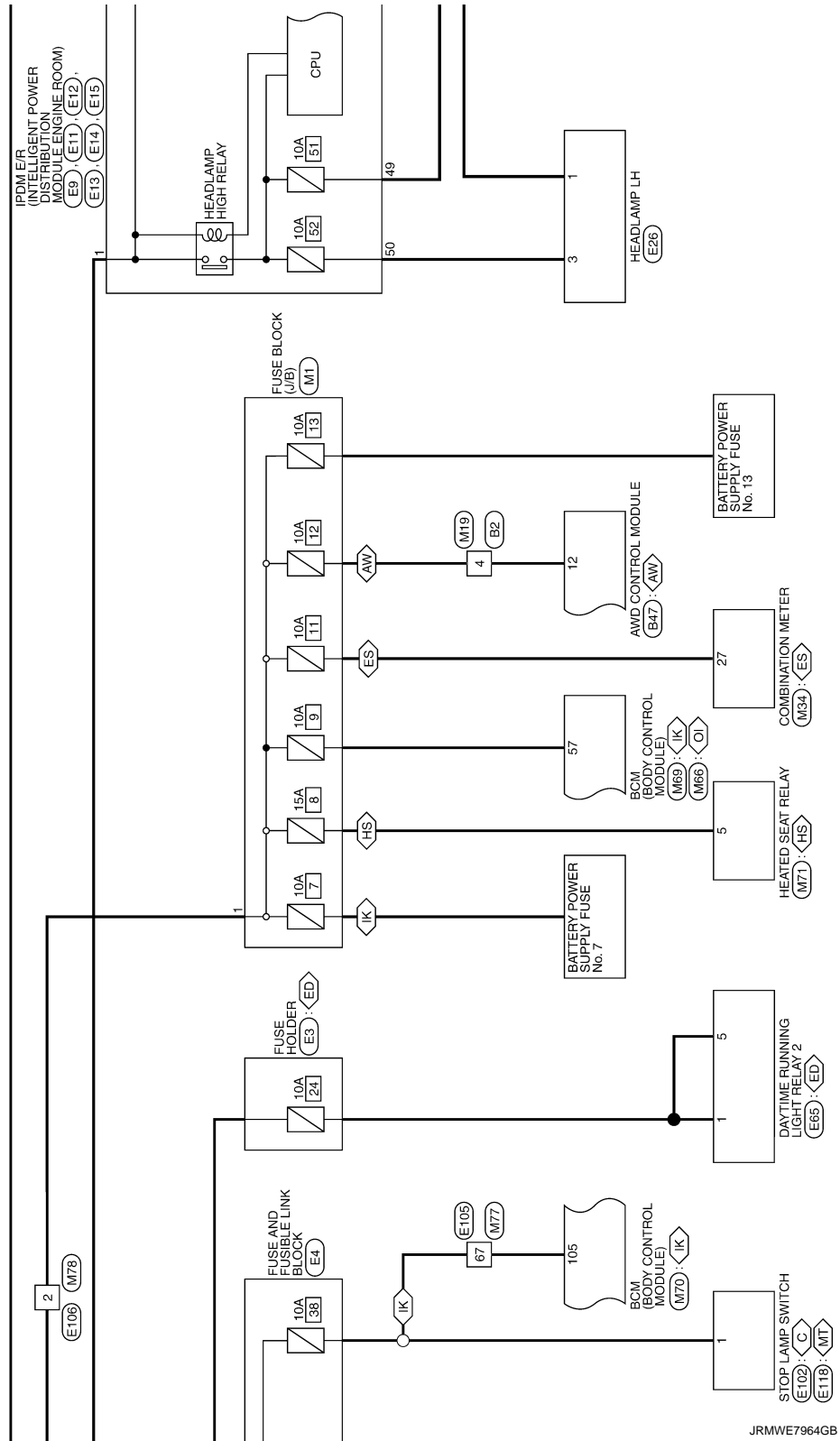
For connector terminal arrangements, harness layouts, and alphabets in a  (option abbreviation; if not described in wiring diagram), refer to [GI-12. "Connector Information"](#).



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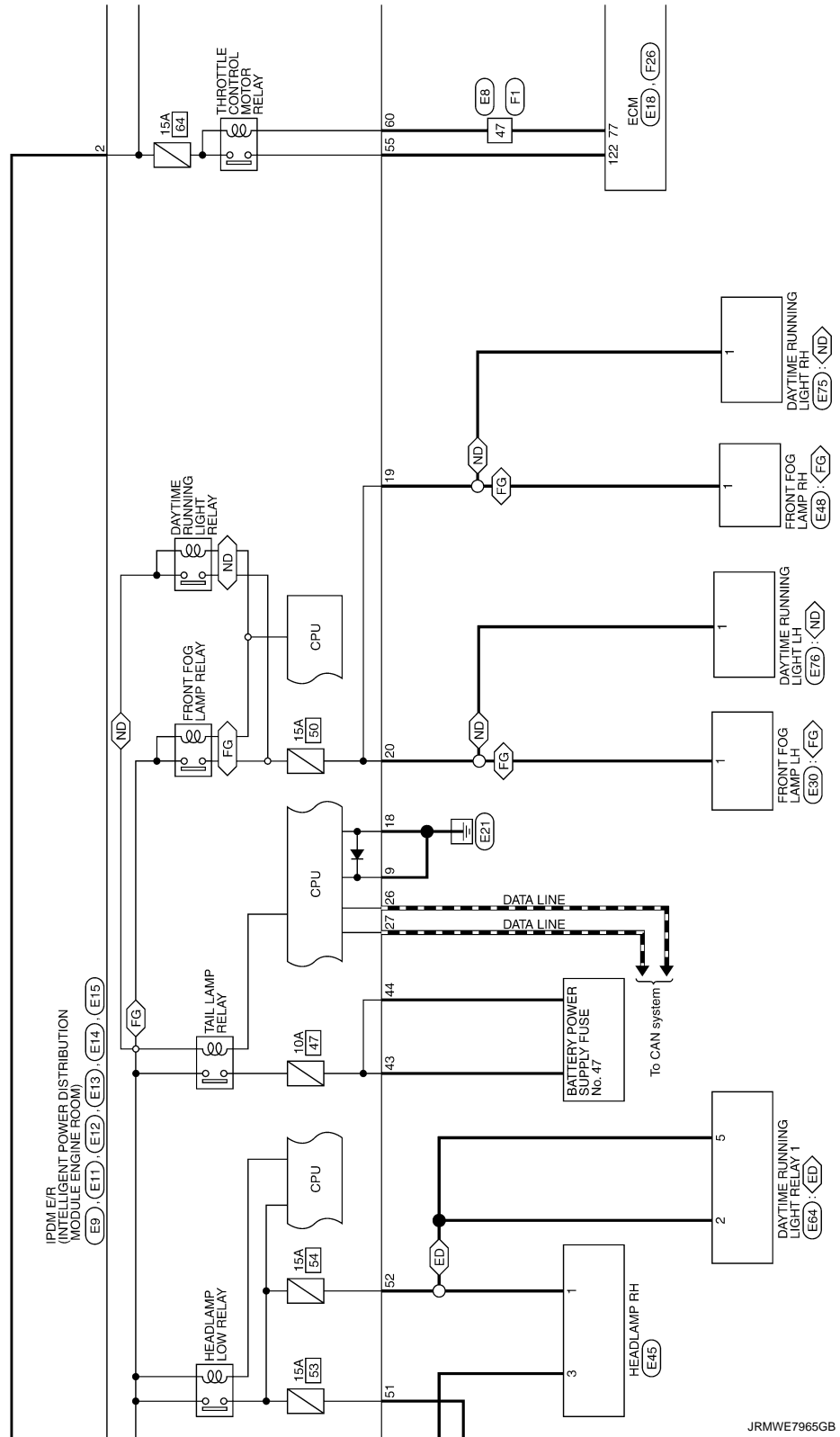
POWER SUPPLY ROUTING CIRCUIT

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POWER SUPPLY ROUTING CIRCUIT

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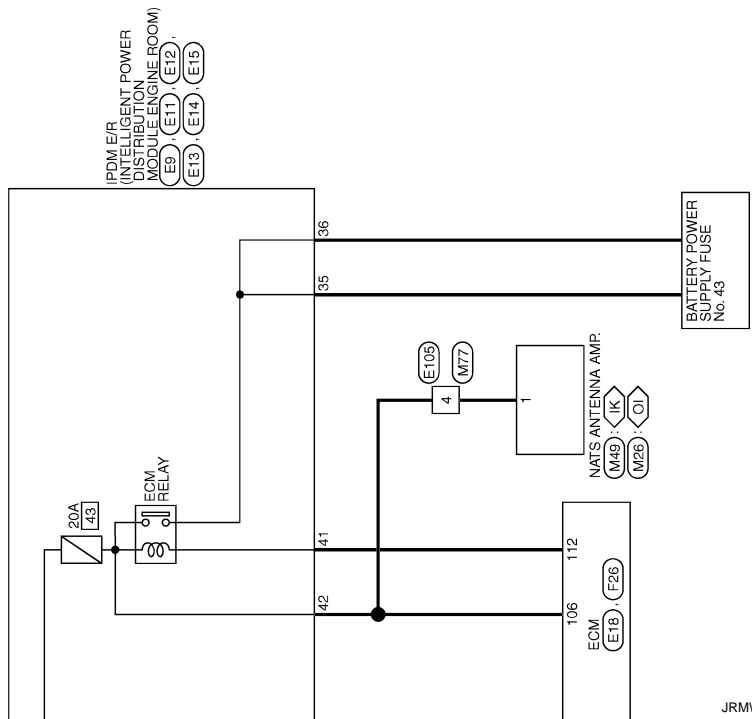
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POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >




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POWER SUPPLY ROUTING CIRCUIT

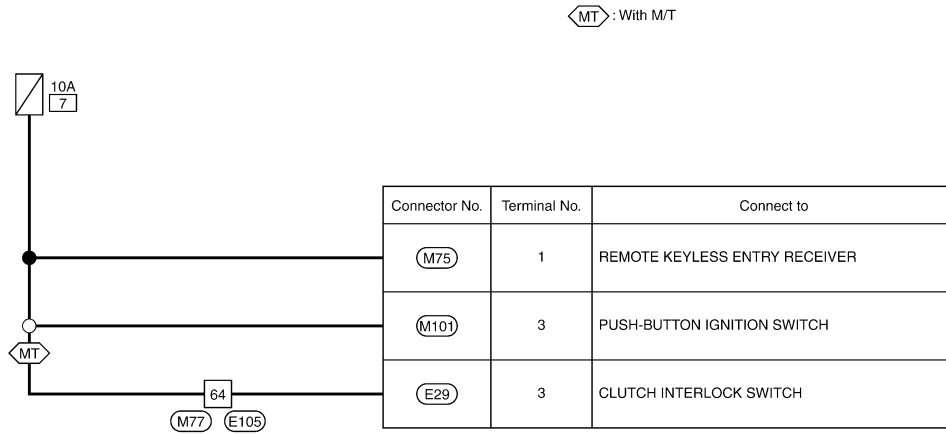
< WIRING DIAGRAM >

Wiring Diagram - BATTERY POWER SUPPLY FUSE No.7 -

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For connector terminal arrangements, harness layouts, and alphabets in a  (option abbreviation; if not described in wiring diagram), refer to [GI-12. "Connector Information"](#).

BATTERY POWER SUPPLY FUSE No. 7



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
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POWER SUPPLY ROUTING CIRCUIT

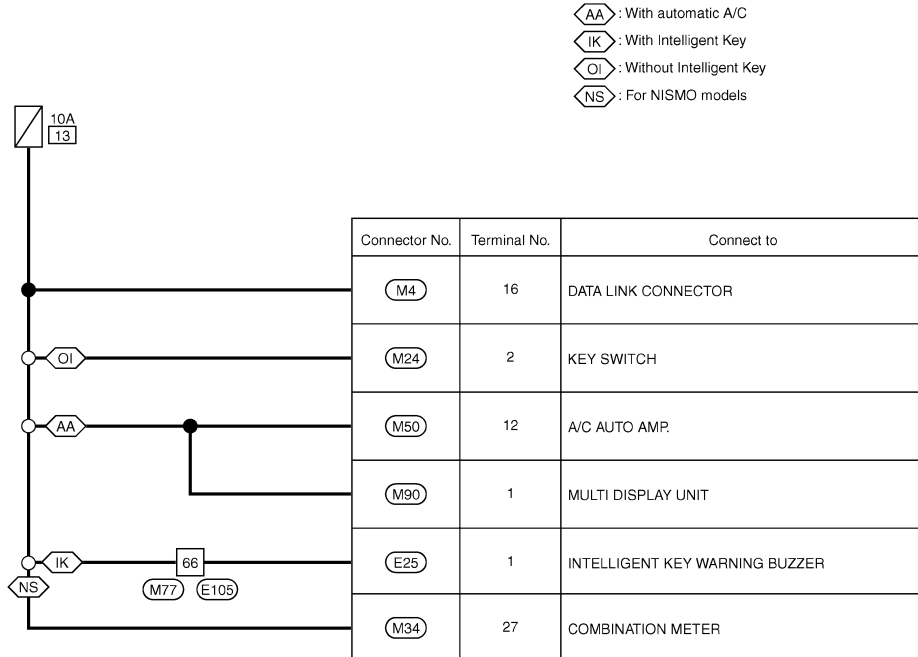
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Wiring Diagram - BATTERY POWER SUPPLY FUSE No.13 -

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For connector terminal arrangements, harness layouts, and alphabets in a  (option abbreviation; if not described in wiring diagram), refer to [GI-12, "Connector Information"](#).

BATTERY POWER SUPPLY FUSE No. 13



2012/12/12


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POWER SUPPLY ROUTING CIRCUIT




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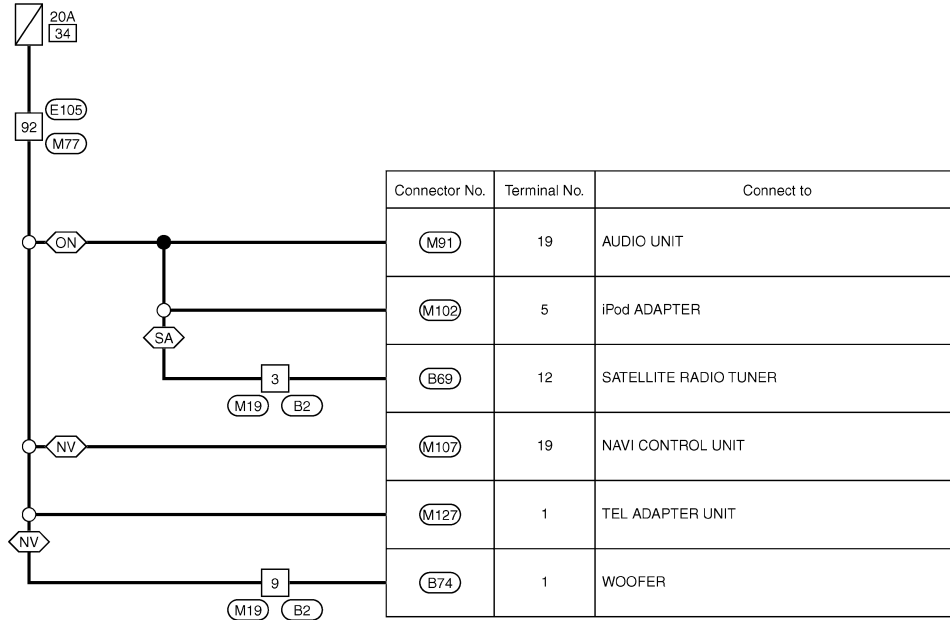
Wiring Diagram - BATTERY POWER SUPPLY FUSE No.34 -

INFOID:000000008273558

For connector terminal arrangements, harness layouts, and alphabets in a  (option abbreviation; if not described in wiring diagram), refer to [GI-12. "Connector Information"](#).

BATTERY POWER SUPPLY FUSE No. 34

-  : With NAVI
-  : Without NAVI
-  : With satellite radio



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
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POWER SUPPLY ROUTING CIRCUIT

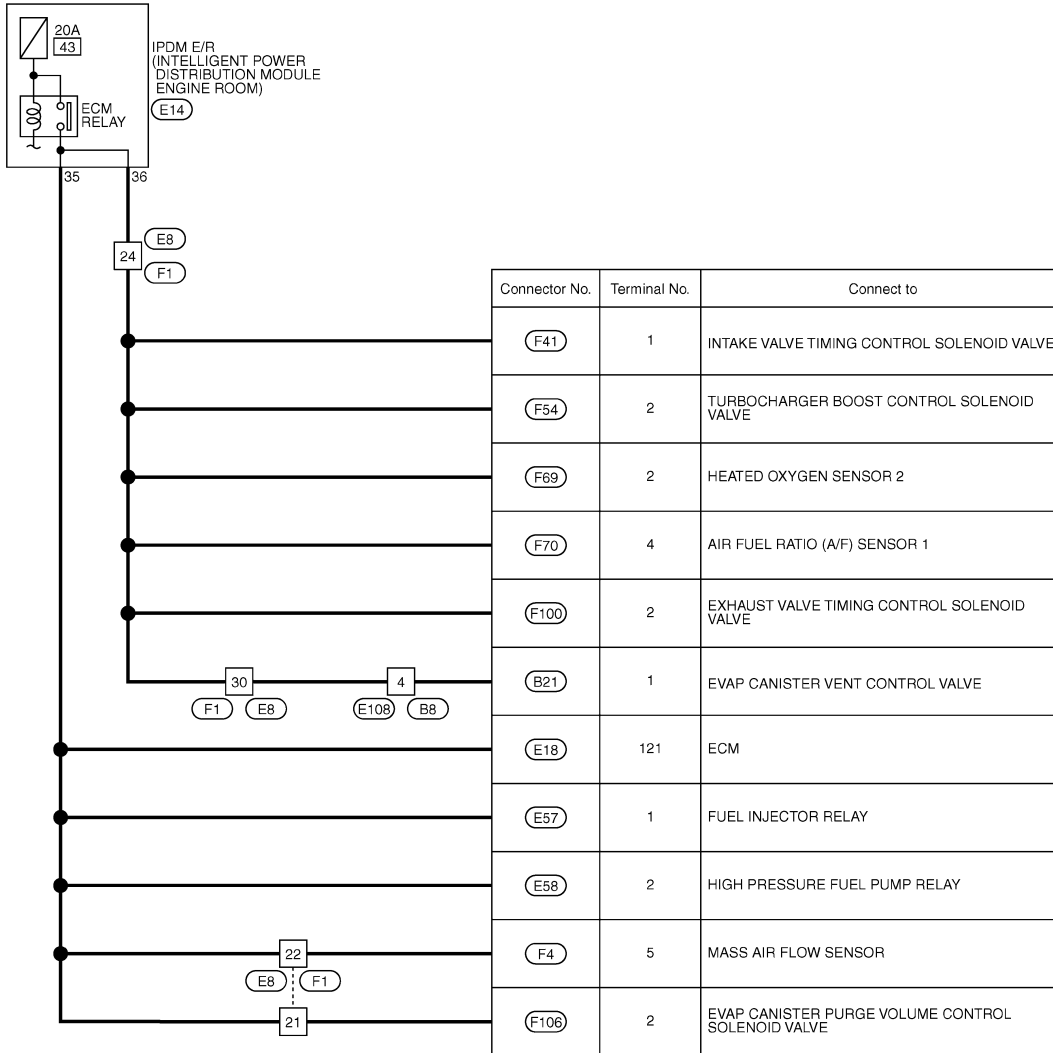
< WIRING DIAGRAM >

Wiring Diagram - BATTERY POWER SUPPLY FUSE No.43 -

INFOID:000000008273559

For connector terminal arrangements, harness layouts, and alphabets in a  (option abbreviation; if not described in wiring diagram), refer to [GI-12, "Connector Information"](#).

BATTERY POWER SUPPLY FUSE No. 43



2010/08/30


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POWER SUPPLY ROUTING CIRCUIT

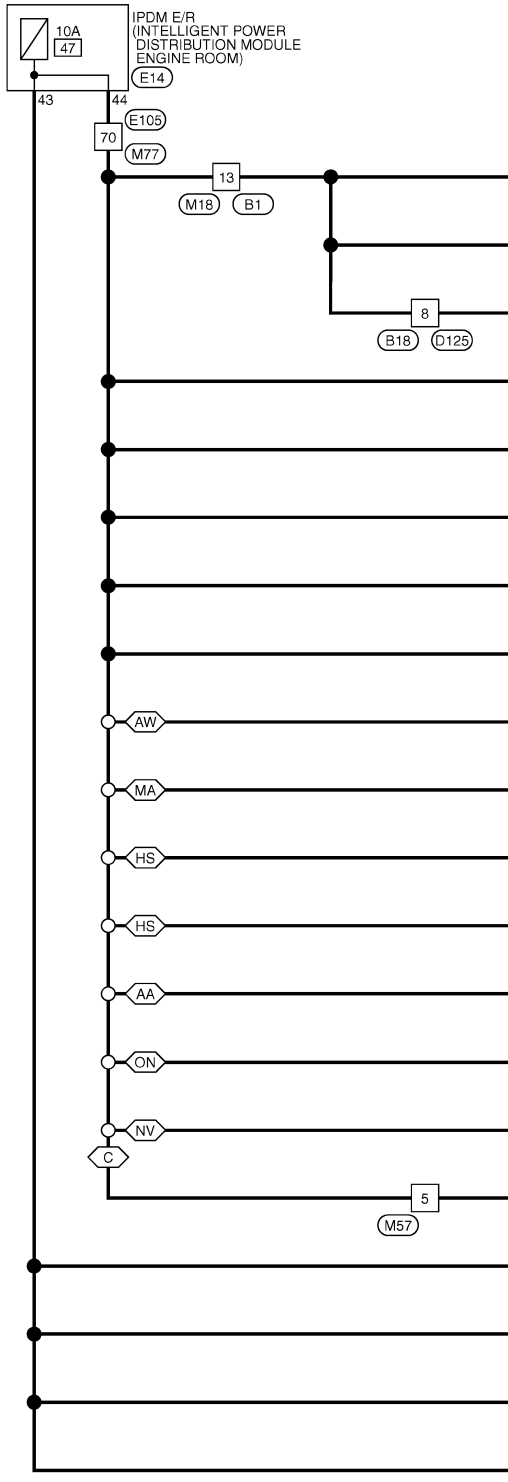
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



Wiring Diagram - BATTERY POWER SUPPLY FUSE No.47 -

INFOID:000000008273560

For connector terminal arrangements, harness layouts, and alphabets in a  (option abbreviation; if not described in wiring diagram), refer to [GI-12. "Connector Information"](#).

BATTERY POWER SUPPLY FUSE No. 47



-  : AWD models
-  : With CVT
-  : With auto A/C
-  : With manual A/C
-  : With NAVI
-  : Without NAVI
-  : With heated seat

Connector No.	Terminal No.	Connect to
(B59)	2	REAR COMBINATION LAMP RH
(B80)	2	REAR COMBINATION LAMP LH
(D107)	5	BACK DOOR OPENER SWITCH (LICENSE PLATE LAMP)
(M95)	1	GLOVE BOX LAMP
(M7)	16	DOOR MIRROR REMOTE CONTROL SWITCH
(M28)	3	VDC OFF SWITCH
(M32)	23	COMBINATION SWITCH (SPIRAL CABLE)
(M45)	3	HAZARD SWITCH
(M48)	4	AWD MODE SWITCH
(M53)	5	A/C CONTROL
(M80)	5	HEATED SEAT SWITCH LH
(M81)	5	HEATED SEAT SWITCH RH
(M90)	2	MULTI DISPLAY UNIT
(M91)	9	AUDIO UNIT
(M107)	9	NAVI CONTROL UNIT
(M324) [*]	5	CVT SHIFT SELECTOR
(E24)	1	PARKING LAMP LH
(E31)	1	FRONT SIDE MARKER LAMP LH
(E32)	1	FRONT SIDE MARKER LAMP RH
(E43)	1	PARKING LAMP RH

2012/07/20

*: This connector is not shown in "Harness Layout".

JRMWD3820GB


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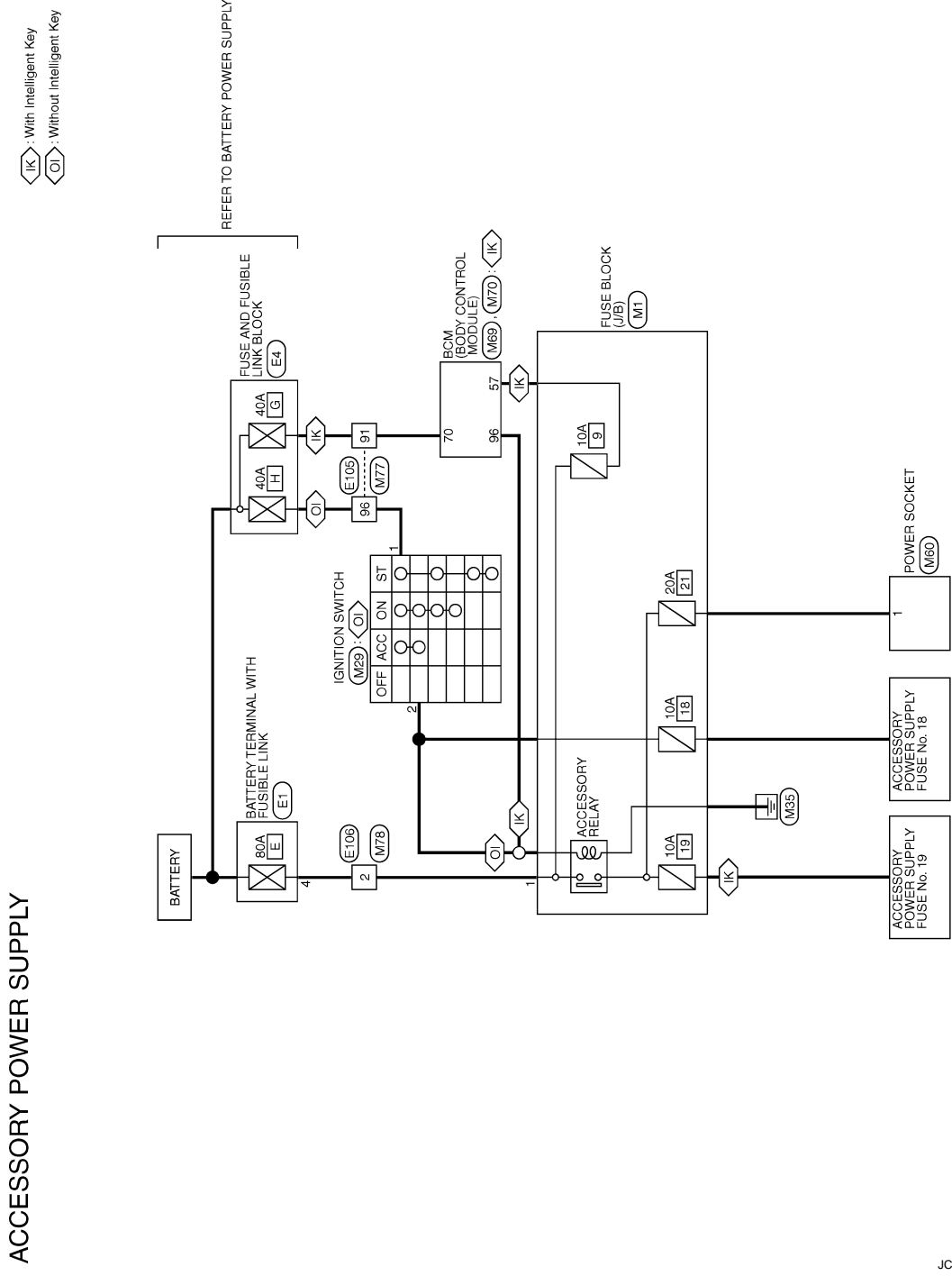
POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

Wiring Diagram - ACCESSORY POWER SUPPLY -

INFOID:000000008273561

For connector terminal arrangements, harness layouts, and alphabets in a  (option abbreviation; if not described in wiring diagram), refer to [GI-12, "Connector Information"](#).




POWER SUPPLY ROUTING CIRCUIT


< WIRING DIAGRAM >

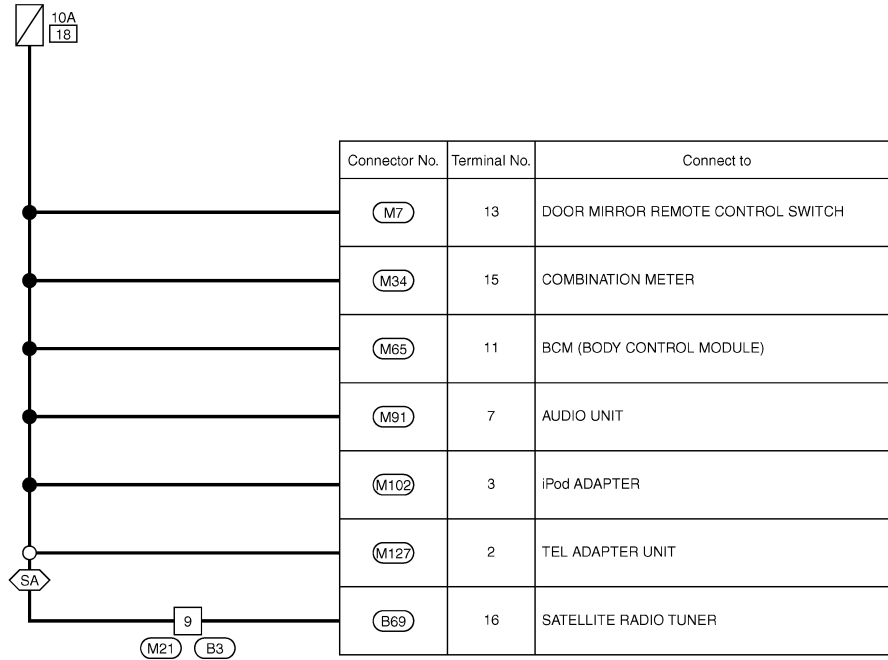
Wiring Diagram - ACCESSORY POWER SUPPLY FUSE No.18 -

INFOID:000000008273562

For connector terminal arrangements, harness layouts, and alphabets in a  (option abbreviation; if not described in wiring diagram), refer to [GI-12, "Connector Information"](#).

ACCESSORY POWER SUPPLY FUSE No. 18

 : With satellite radio



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2010/08/30


JCMWA6129GB

POWER SUPPLY ROUTING CIRCUIT

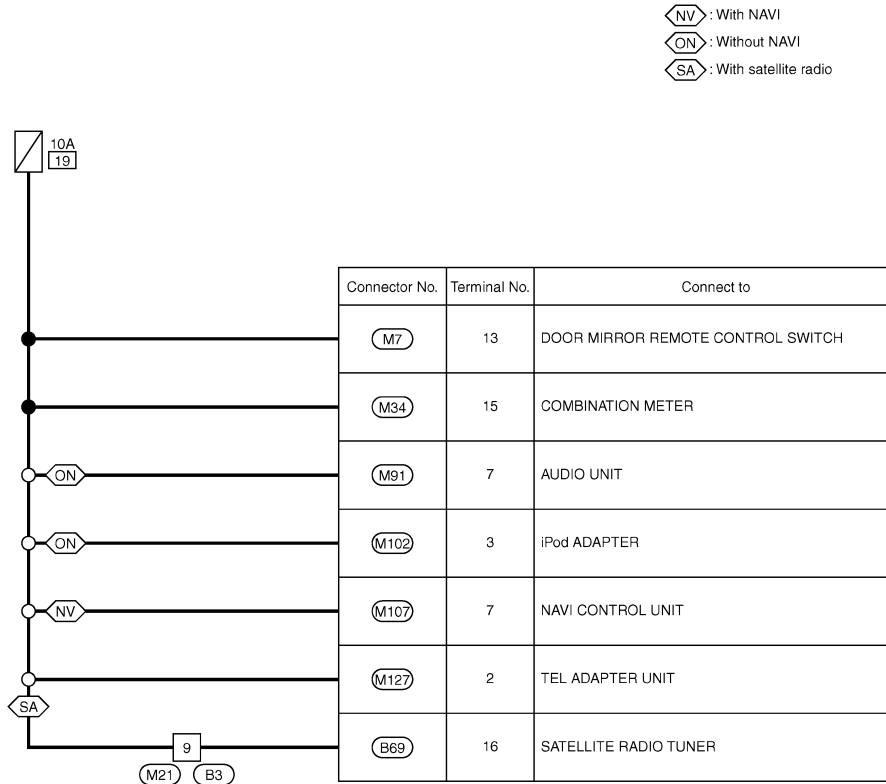
< WIRING DIAGRAM >




Wiring Diagram - ACCESSORY POWER SUPPLY FUSE No.19 -

INFOID:000000008273563

For connector terminal arrangements, harness layouts, and alphabets in a  (option abbreviation; if not described in wiring diagram), refer to [GI-12, "Connector Information"](#).

ACCESSORY POWER SUPPLY FUSE No. 19



 : With NAVI
 : Without NAVI
 : With satellite radio

2010/08/30


JCMWA6132GB

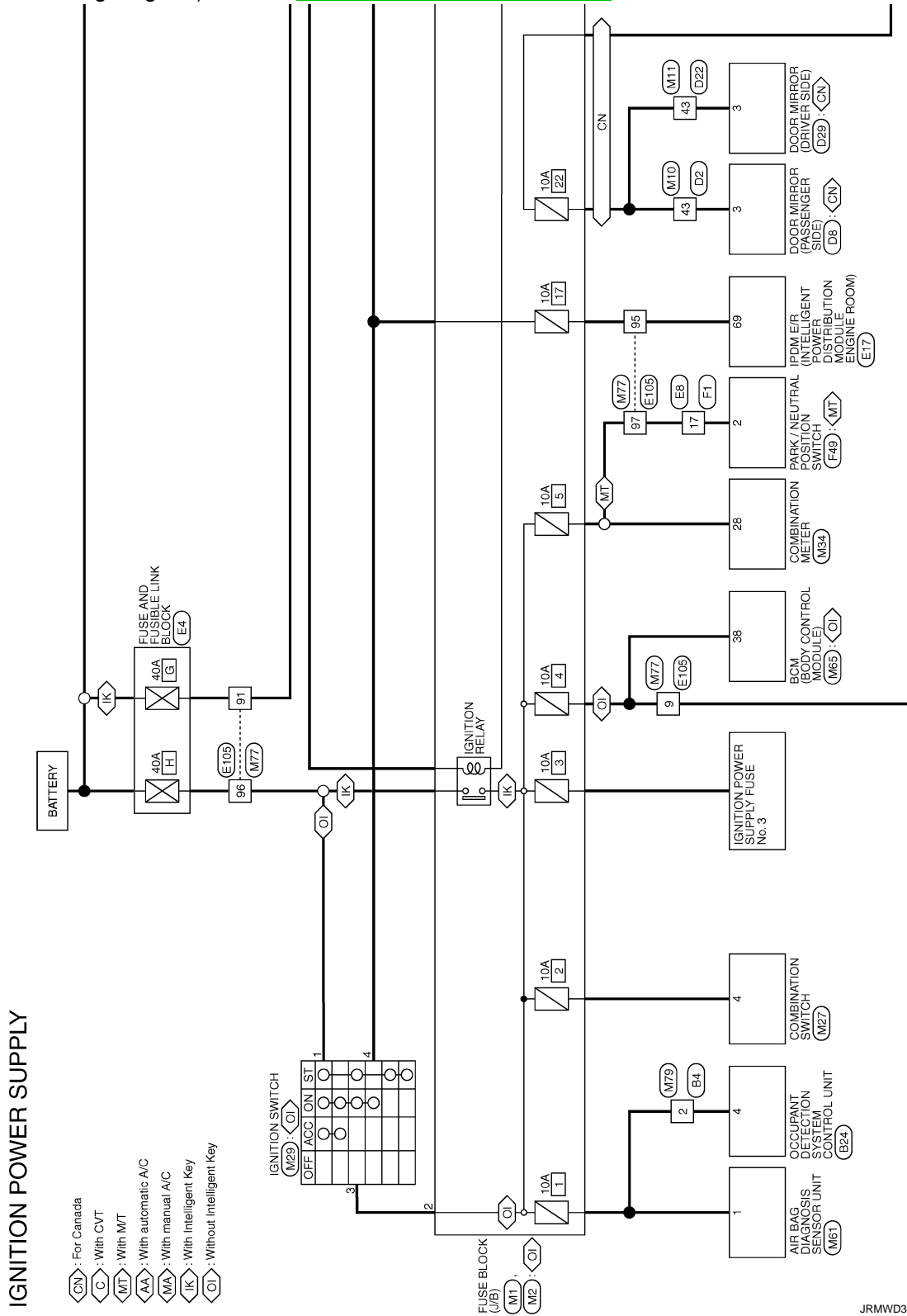
POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

Wiring Diagram - IGNITION POWER SUPPLY -

INFOID:000000008273564

For connector terminal arrangements, harness layouts, and alphabets in a  (option abbreviation; if not described in wiring diagram), refer to [GI-12, "Connector Information"](#).



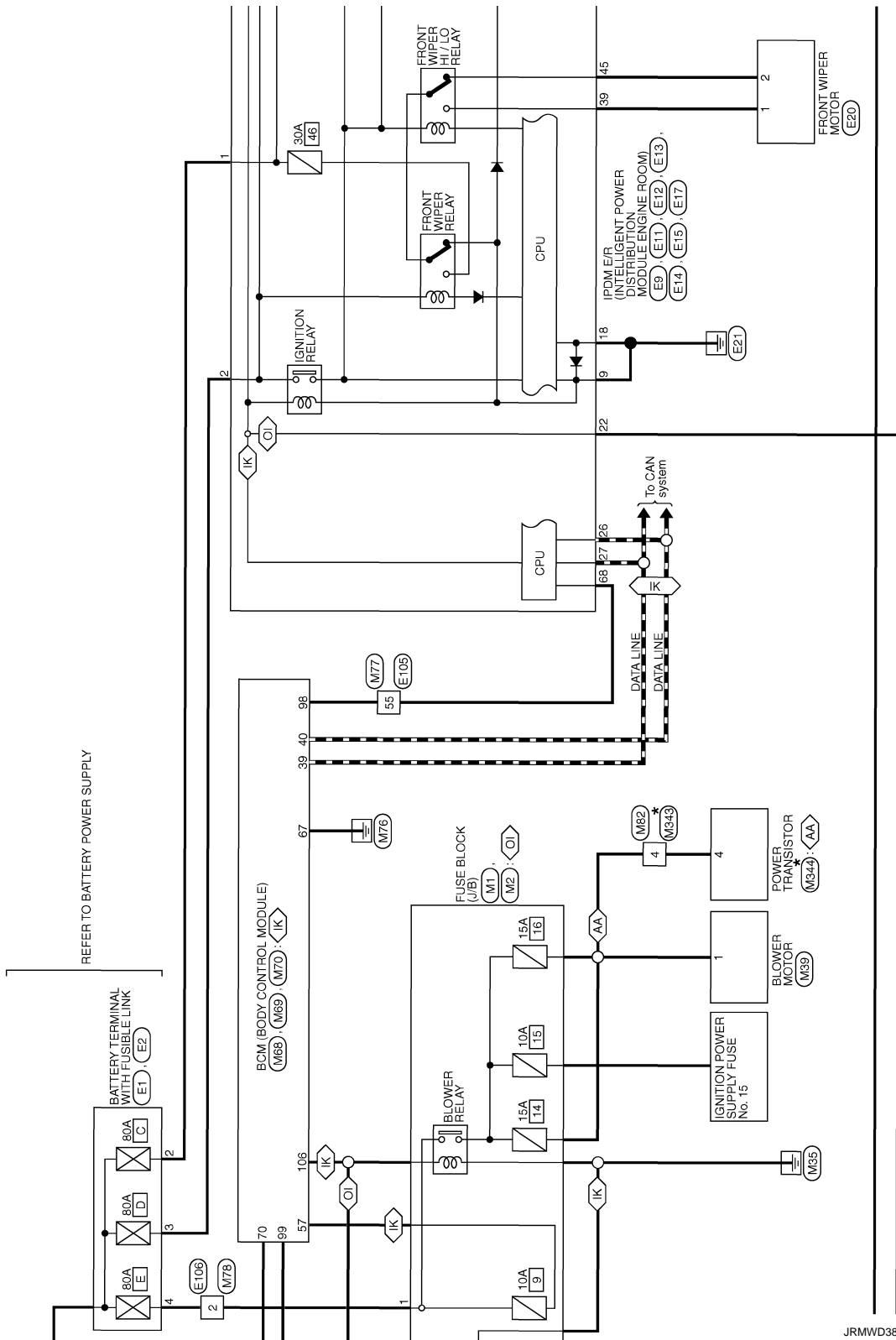
*: This connector is not shown in "Harness Layout".

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POWER SUPPLY ROUTING CIRCUIT

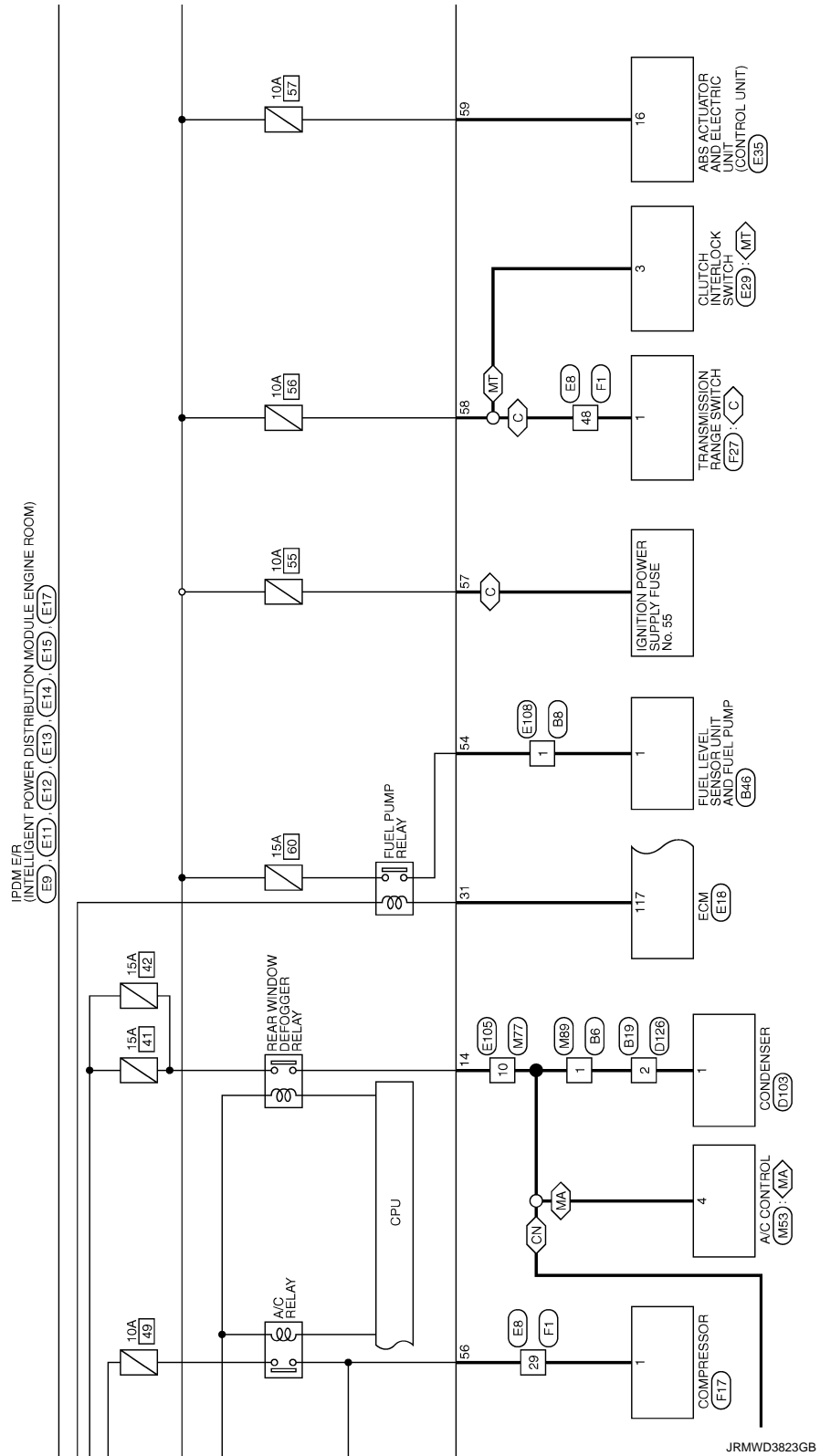
< WIRING DIAGRAM >



JRMWD3822GB

POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

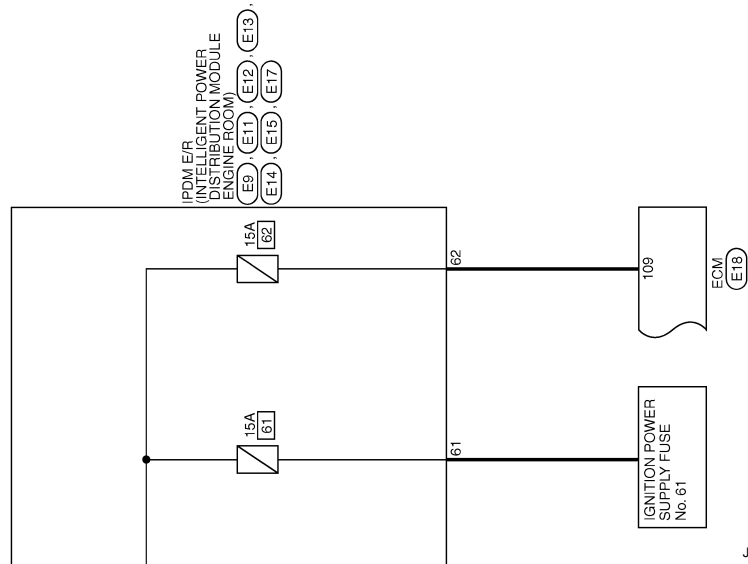


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POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >




JRMWD3824GB

POWER SUPPLY ROUTING CIRCUIT





< WIRING DIAGRAM >

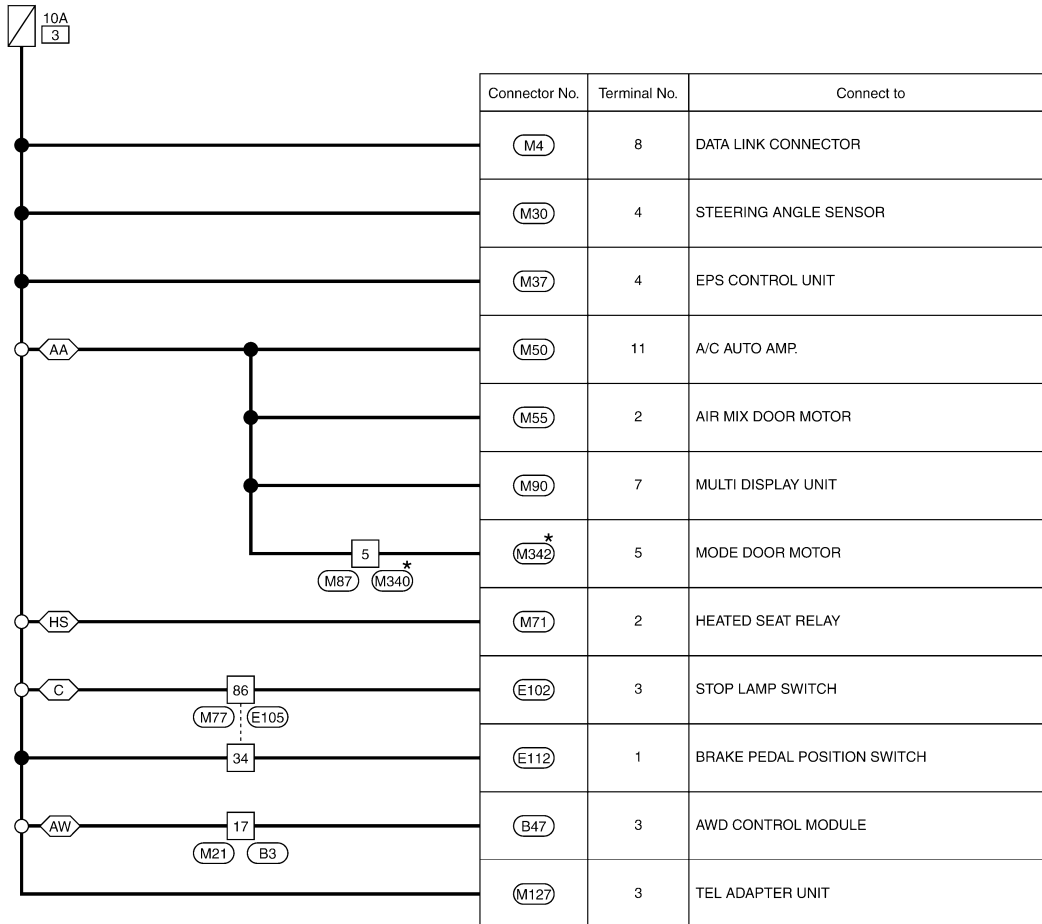
Wiring Diagram - IGNITION POWER SUPPLY FUSE No.3 -

INFOID:000000008273565

For connector terminal arrangements, harness layouts, and alphabets in a  (option abbreviation; if not described in wiring diagram), refer to [GI-12. "Connector Information"](#).

IGNITION POWER SUPPLY FUSE No. 3

-  : AWD models
-  : With CVT
-  : With auto A/C
-  : With heated seat



* : This connector is not shown in "Harness Layout".

2011/08/18

JRMWC5528GB

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
PG

POWER SUPPLY ROUTING CIRCUIT



< WIRING DIAGRAM >

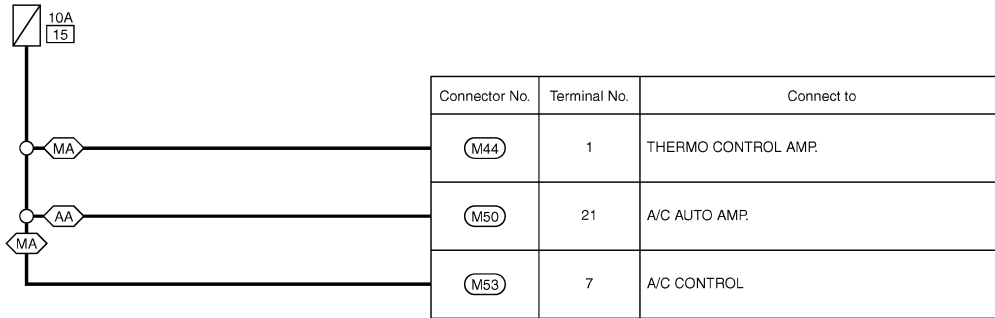
Wiring Diagram - IGNITION POWER SUPPLY FUSE No.15 -

INFOID:000000008273566

For connector terminal arrangements, harness layouts, and alphabets in a  (option abbreviation; if not described in wiring diagram), refer to [GI-12, "Connector Information"](#).

IGNITION POWER SUPPLY FUSE No. 15

 : With auto A/C
 : With manual A/C



2010/08/30


JCMWA6152GB

POWER SUPPLY ROUTING CIRCUIT

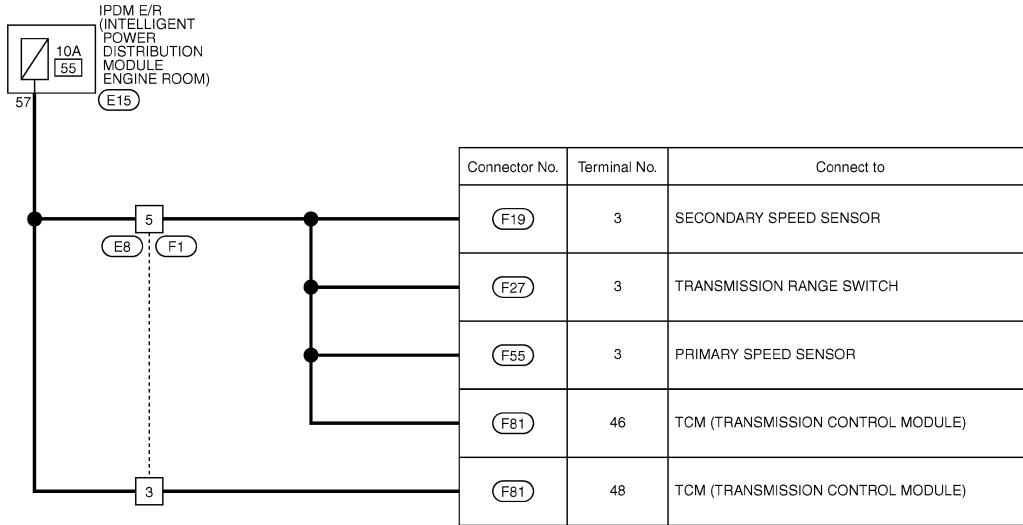
< WIRING DIAGRAM >

Wiring Diagram - IGNITION POWER SUPPLY FUSE No.55 -

INFOID:000000008273567

For connector terminal arrangements, harness layouts, and alphabets in a  (option abbreviation; if not described in wiring diagram), refer to [GI-12, "Connector Information"](#).

IGNITION POWER SUPPLY FUSE No. 55



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2010/08/30


JCMWA6154GB

POWER SUPPLY ROUTING CIRCUIT

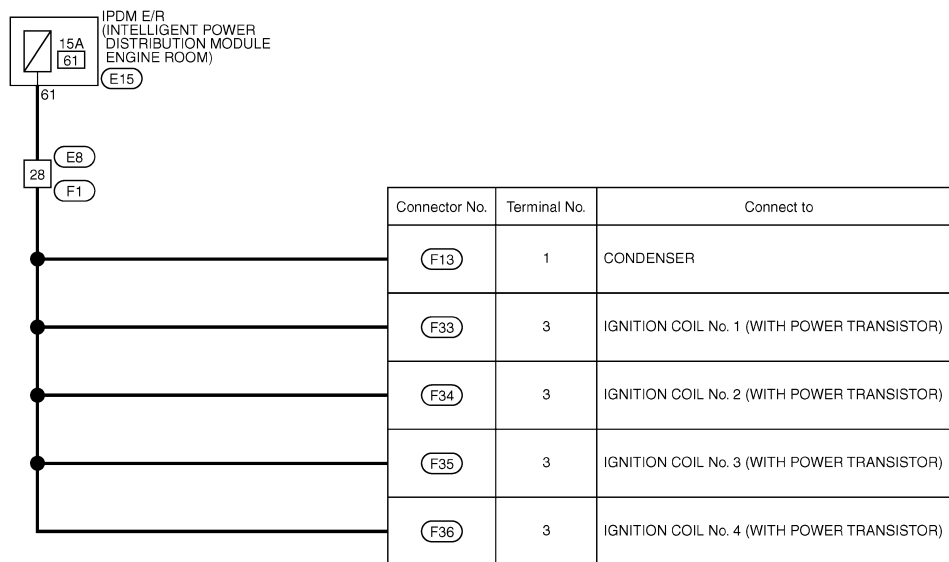
< WIRING DIAGRAM >

Wiring Diagram - IGNITION POWER SUPPLY FUSE No.61 -

INFOID:000000008273568

For connector terminal arrangements, harness layouts, and alphabets in a  (option abbreviation; if not described in wiring diagram), refer to [GI-12, "Connector Information"](#).

IGNITION POWER SUPPLY FUSE No. 61



2010/08/30

JCMWA6157GB

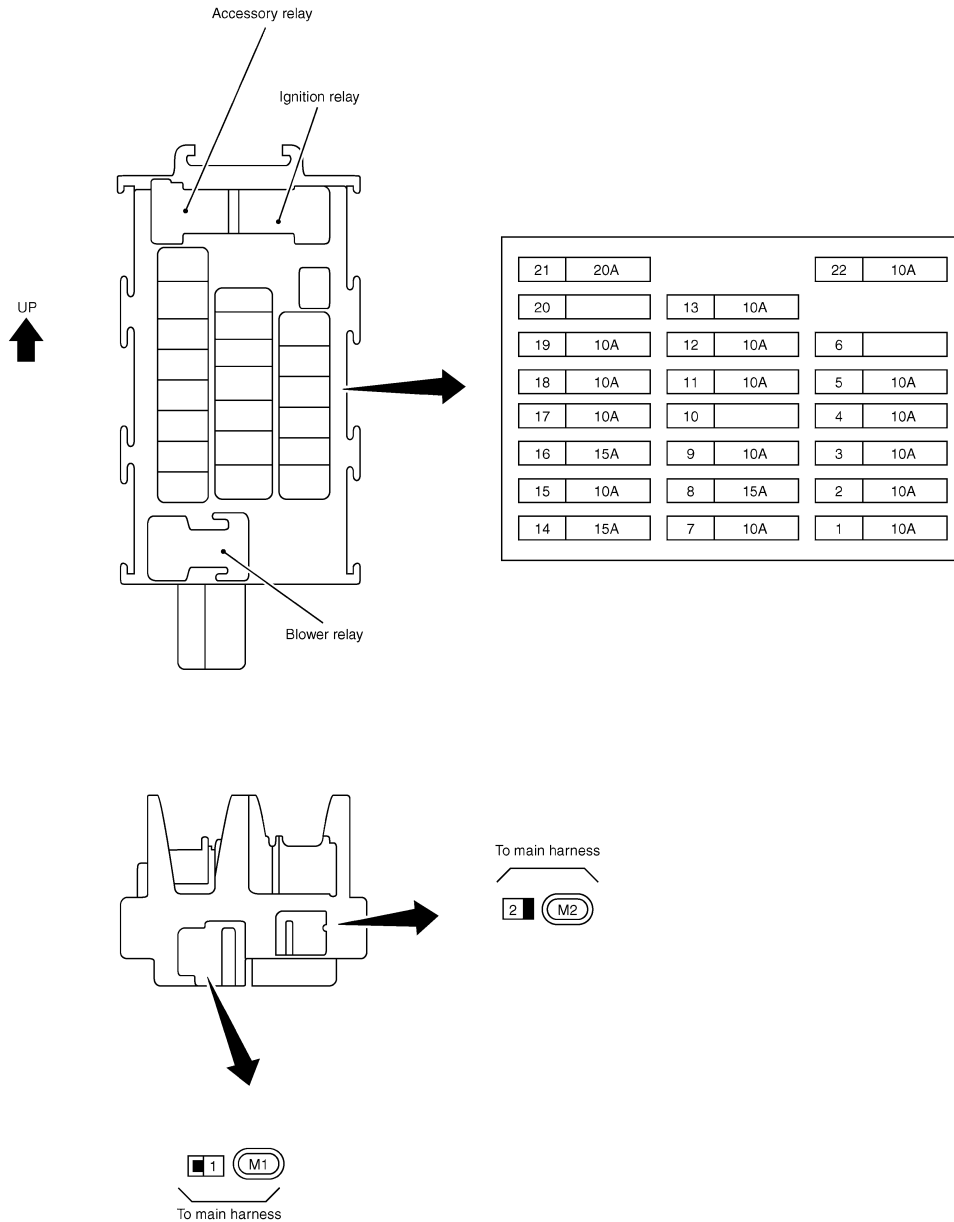
FUSE BLOCK - JUNCTION BOX (J/B)

< WIRING DIAGRAM >

FUSE BLOCK - JUNCTION BOX (J/B)

Fuse, Connector and Terminal Arrangement

INFOID:000000008273569



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2010/08/30

JCMWA6160GB

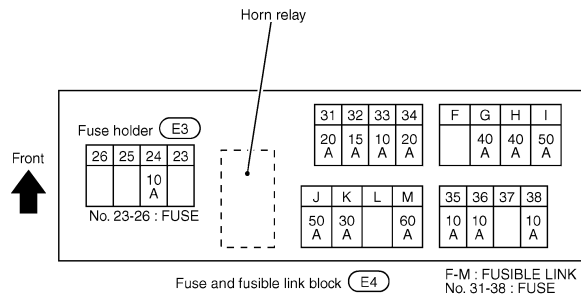
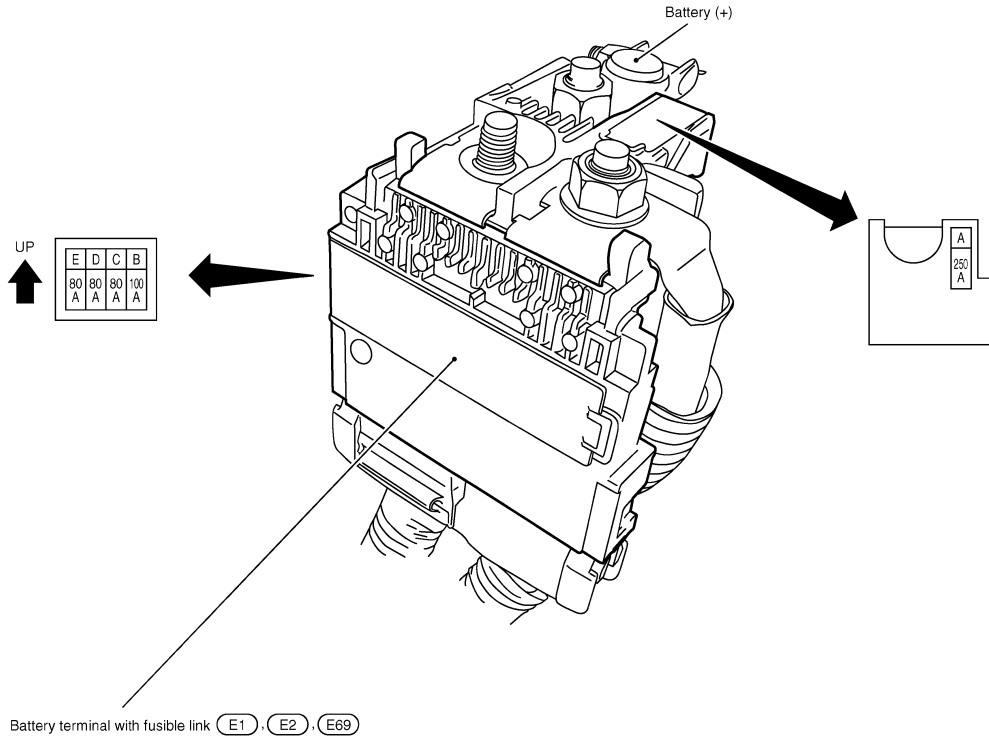
FUSE, FUSIBLE LINK AND RELAY BOX

< WIRING DIAGRAM >

FUSE, FUSIBLE LINK AND RELAY BOX

Fuse and Fusible Link Arrangement

INFOID:000000008273570



2010/08/30

JCMWA6161GB

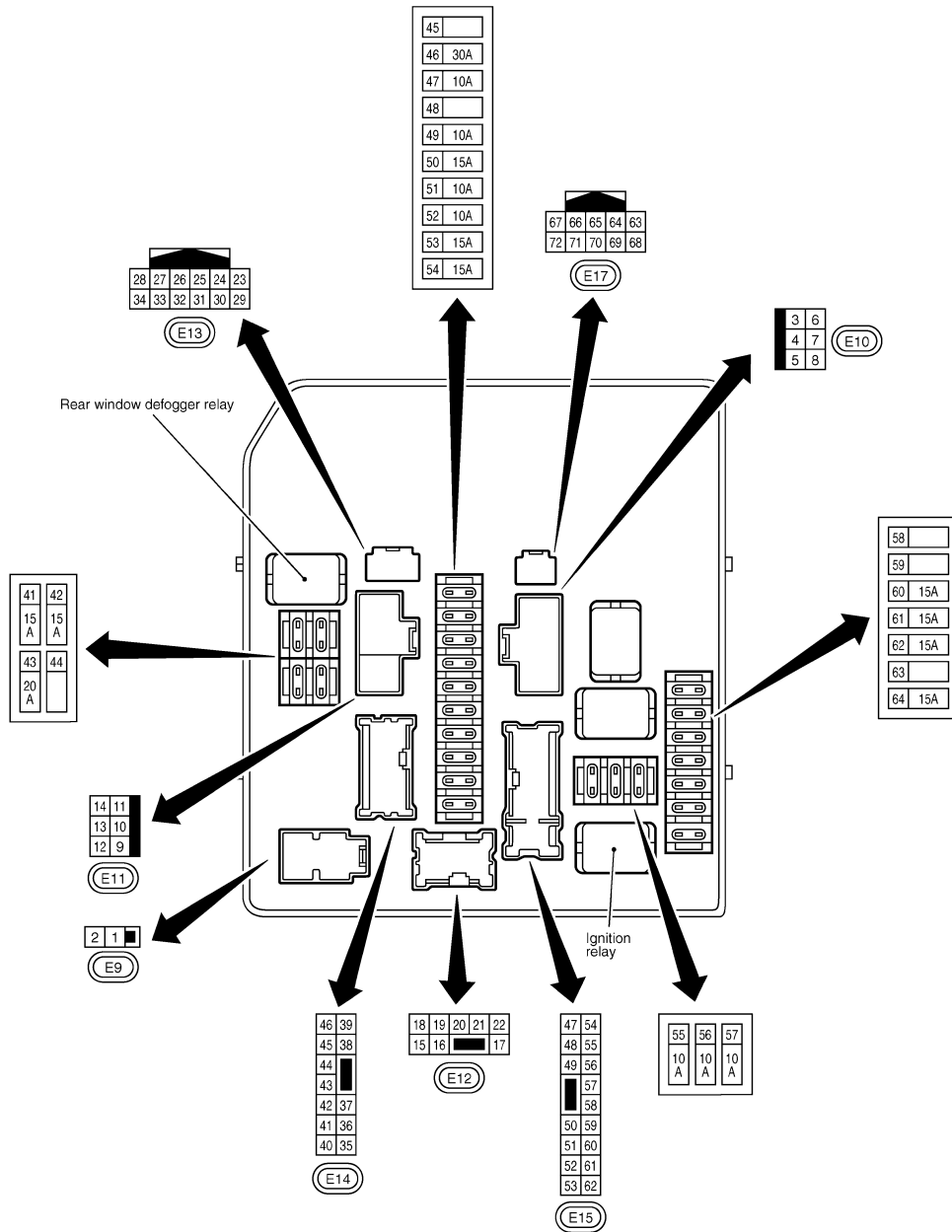
IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)

< WIRING DIAGRAM >

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

Fuse, Connector and Terminal Arrangement

INFOID:000000008273571



To engine room harness

2012/07/20

JRMWD3825GB

HARNESS LAYOUT






< WIRING DIAGRAM >

HARNESS LAYOUT

How To Read Harness Layout

INFOID:000000008273572

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

Connector type	Water proof type		Standard type	
	Male	Female	Male	Female
Connector symbol				
Ground terminal etc.	—			

JPMIA0114GB

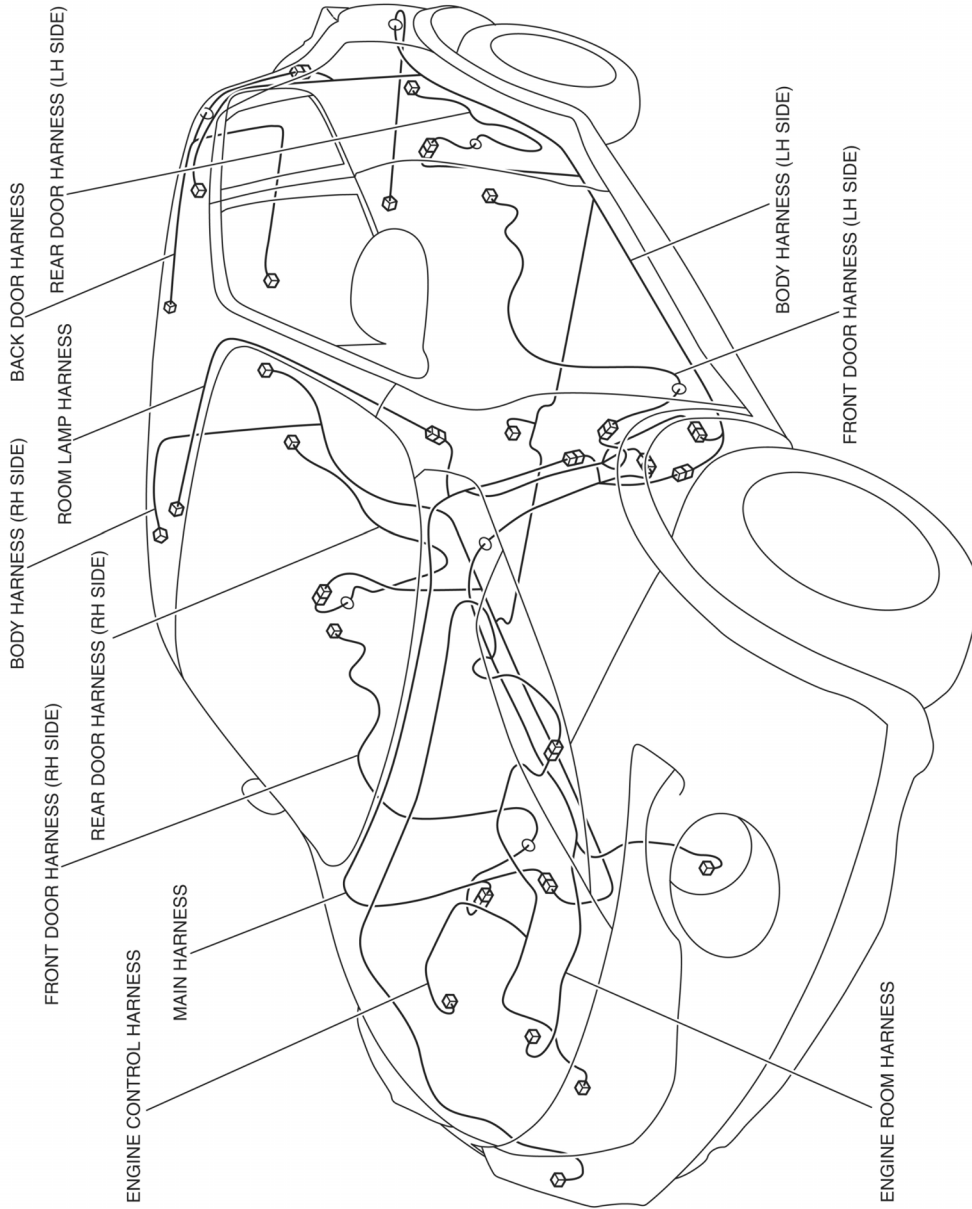
HARNES LAYOUT

< WIRING DIAGRAM >

Outline

INFOID:000000008772821

OUTLINE



2012/07/20

JRMIC1998GB

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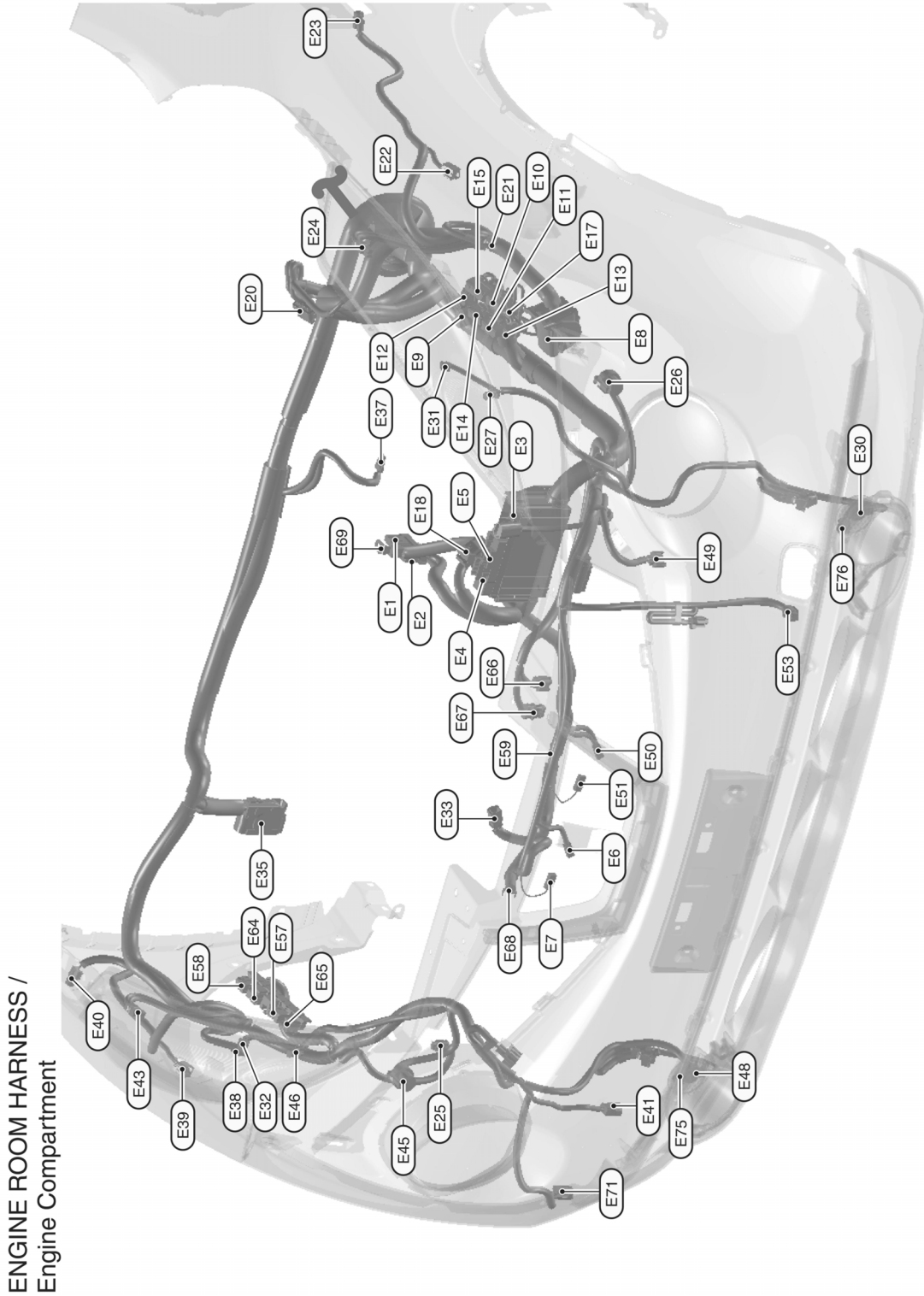
HARNESS LAYOUT

< WIRING DIAGRAM >

Engine Room Harness

INFOID:000000008273573

ENGINE COMPARTMENT



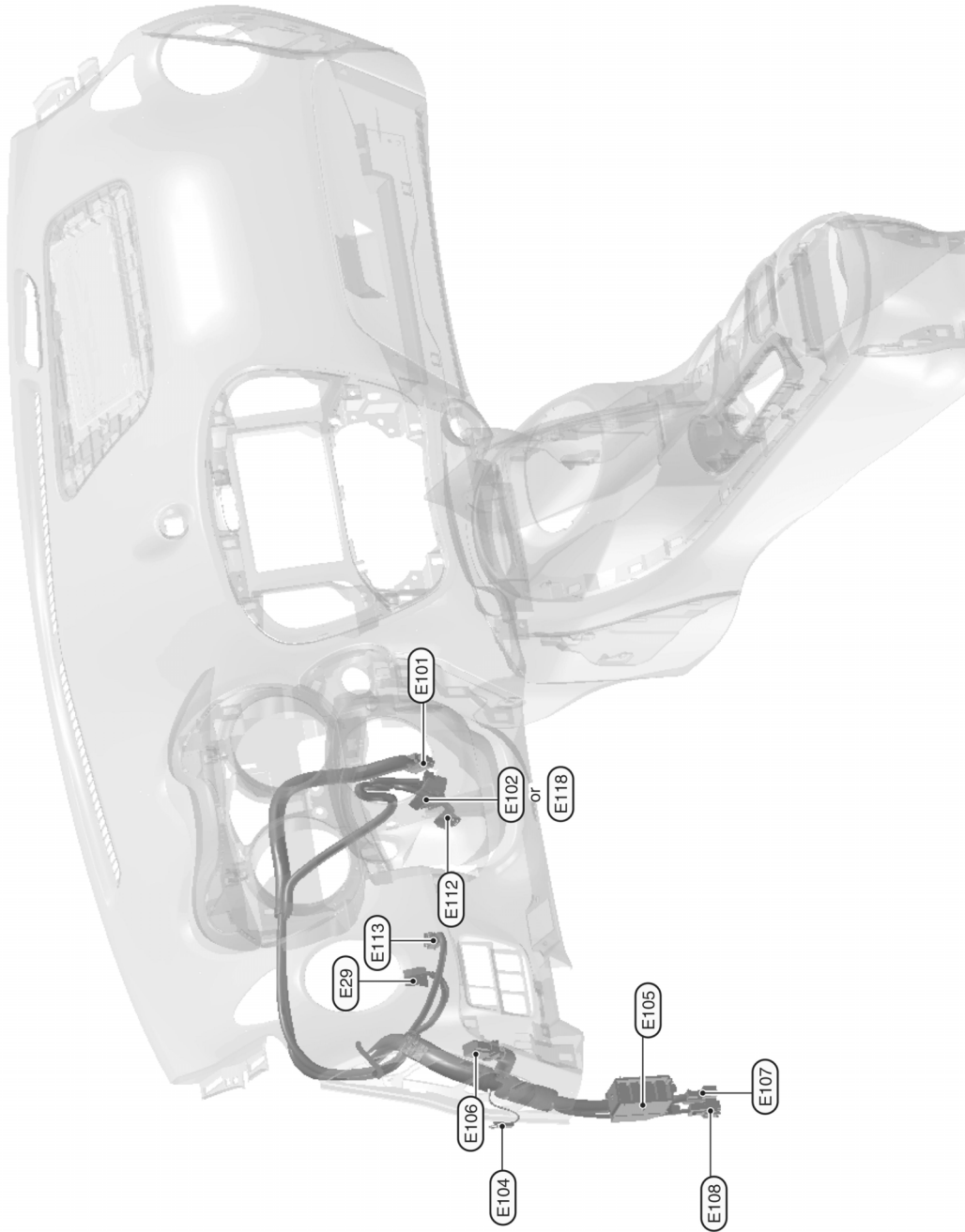
JRMIC2635GB
2012/12/12

HARNESS LAYOUT

< WIRING DIAGRAM >

PASSENGER COMPARTMENT

Passenger Compartment



2012/07/20

JRMIC2000GB

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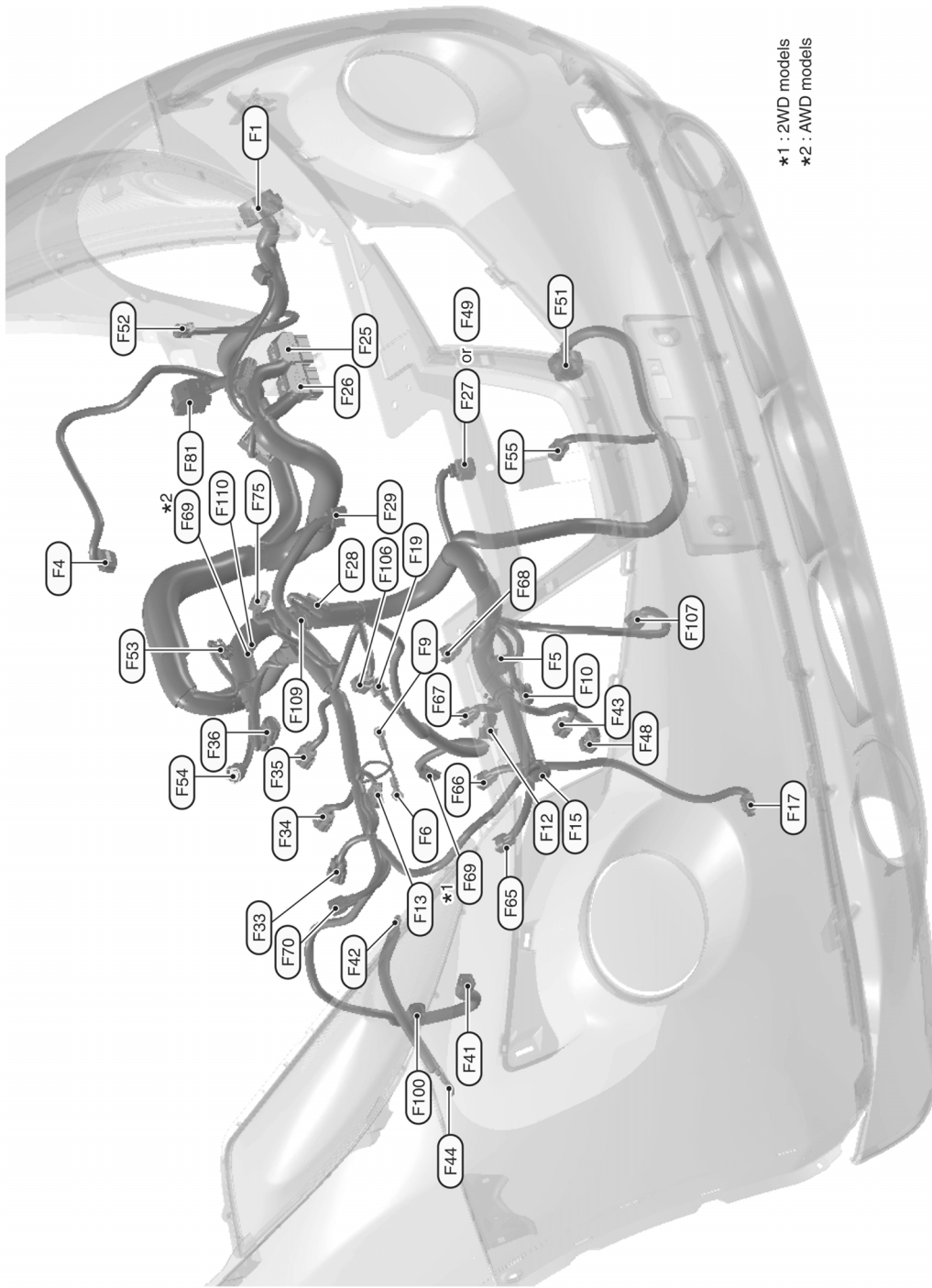
HARNES LAYOUT

< WIRING DIAGRAM >

Engine Control Harness

INFOID:000000008273574

ENGINE CONTROL HARNESS



*1 : 2WD models
*2 : AWD models

2012/07/20

JRMIC2001GB

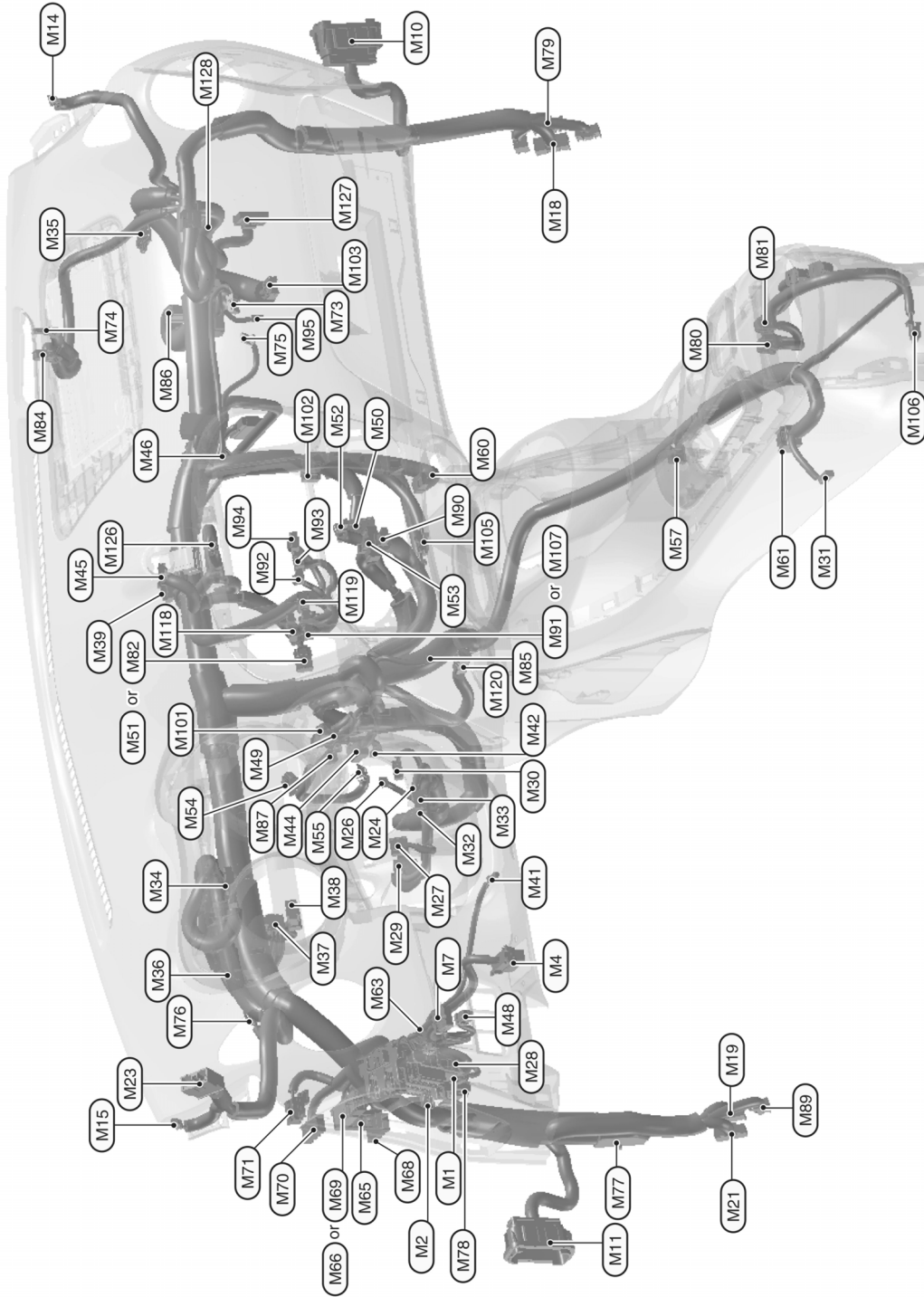
HARNESS LAYOUT

< WIRING DIAGRAM >

Main Harness

INFOID:000000008273575

MAIN HARNESS



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2012/07/20

JRMIC2002GB

HARNES LAYOUT

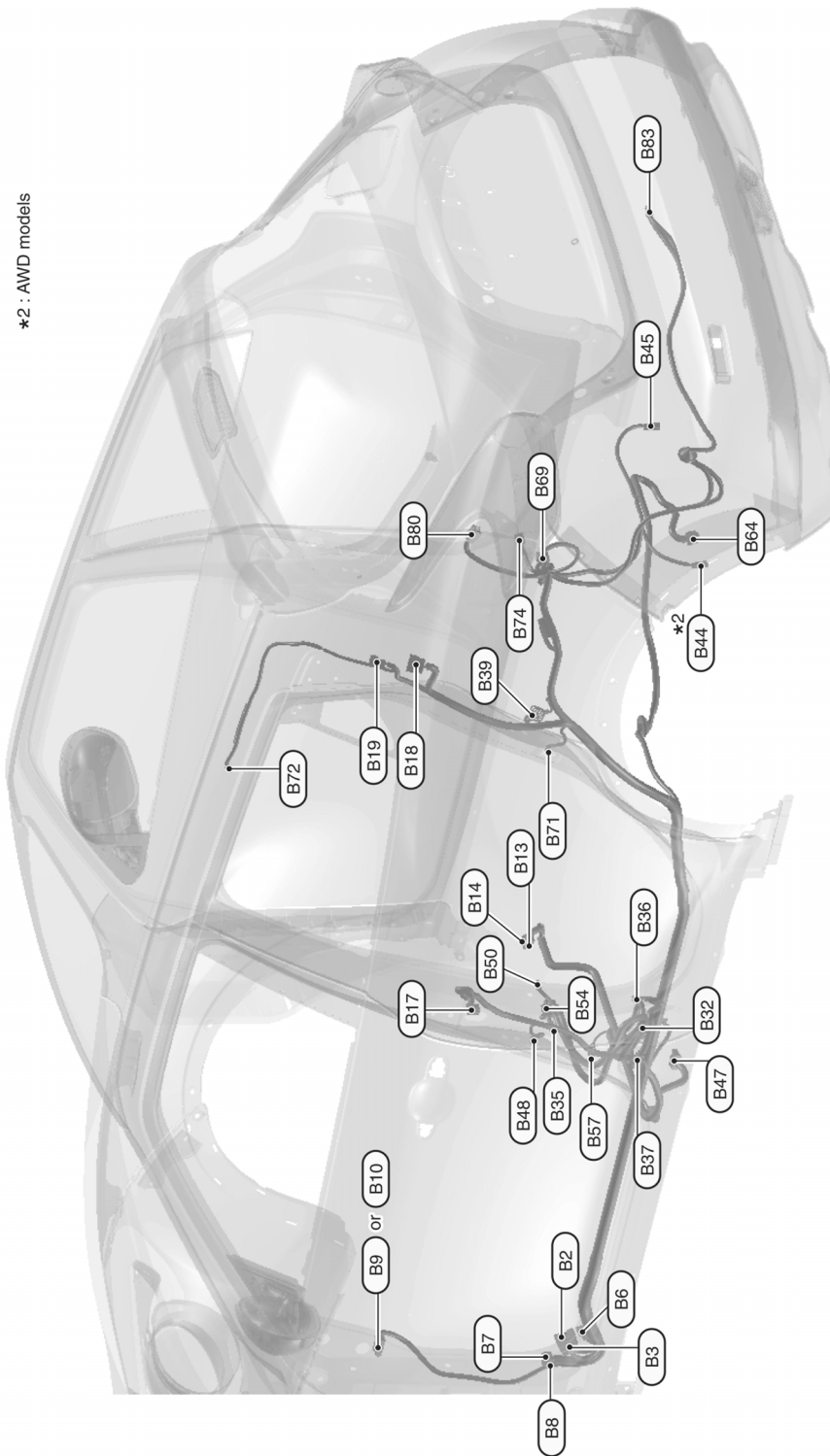
< WIRING DIAGRAM >

Body Harness

INFOID:00000008273576

LH SIDE

BODY HARNESS (LH SIDE)



2012/12/12

JRMIC2636GB

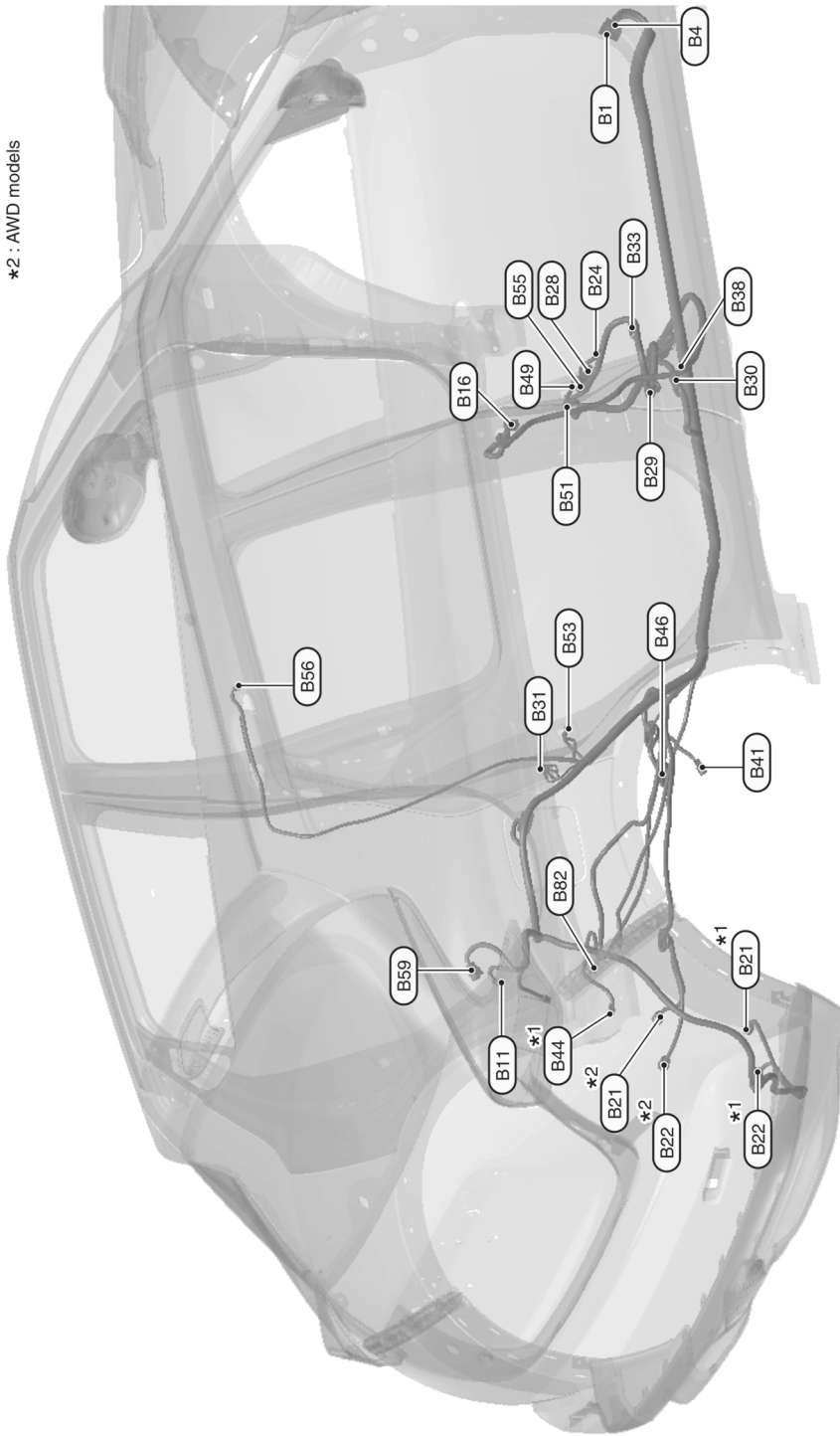
HARNESS LAYOUT

< WIRING DIAGRAM >

RH SIDE

BODY HARNESS (RH SIDE)

*1 : 2WD models
*2 : AWD models



2012/12/12

JRMIC2637GB

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HARNESS LAYOUT

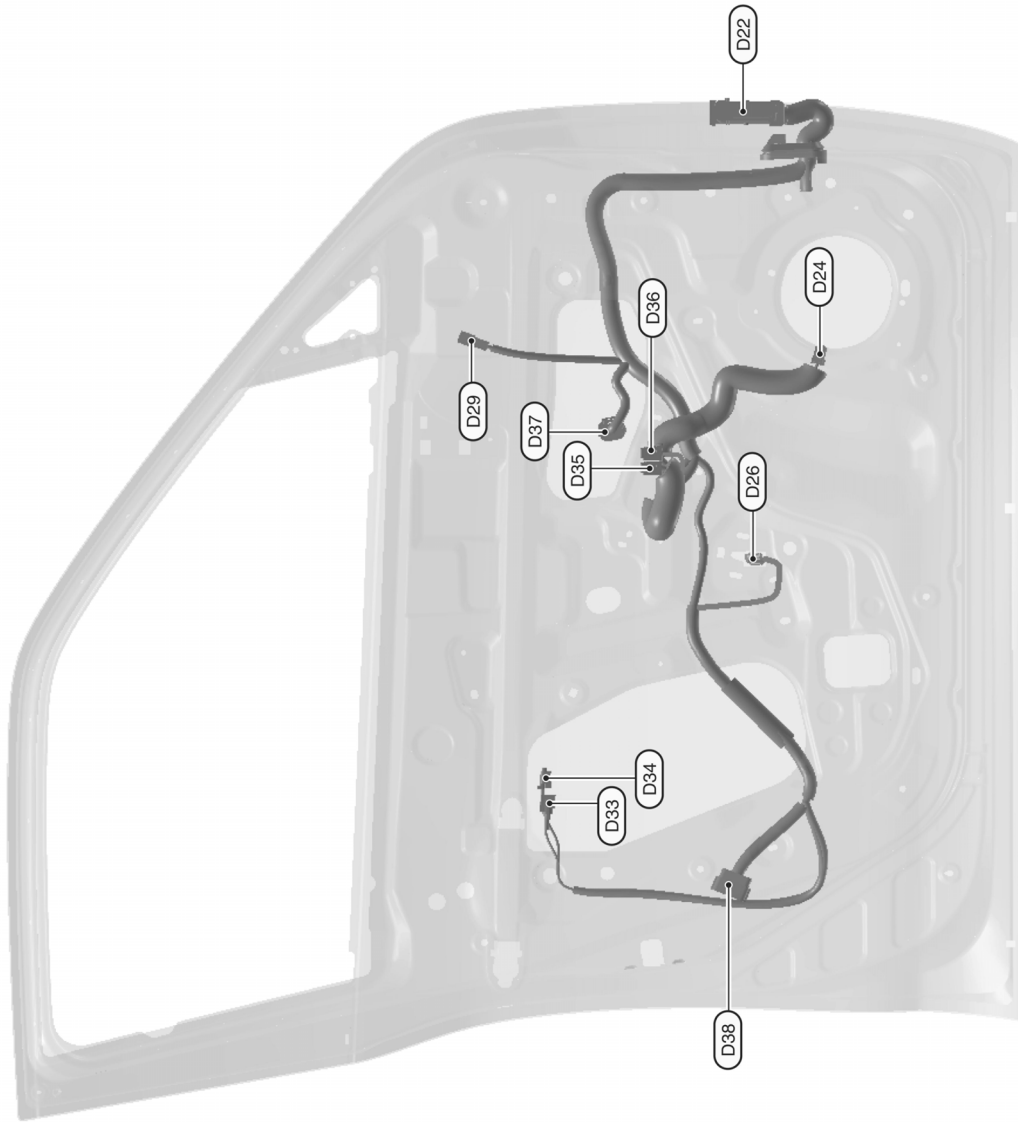
< WIRING DIAGRAM >

Door Harness

INFOID:000000008273577

FRONT DOOR HARNESS (LH SIDE)

FRONT DOOR HARNESS (LH SIDE)



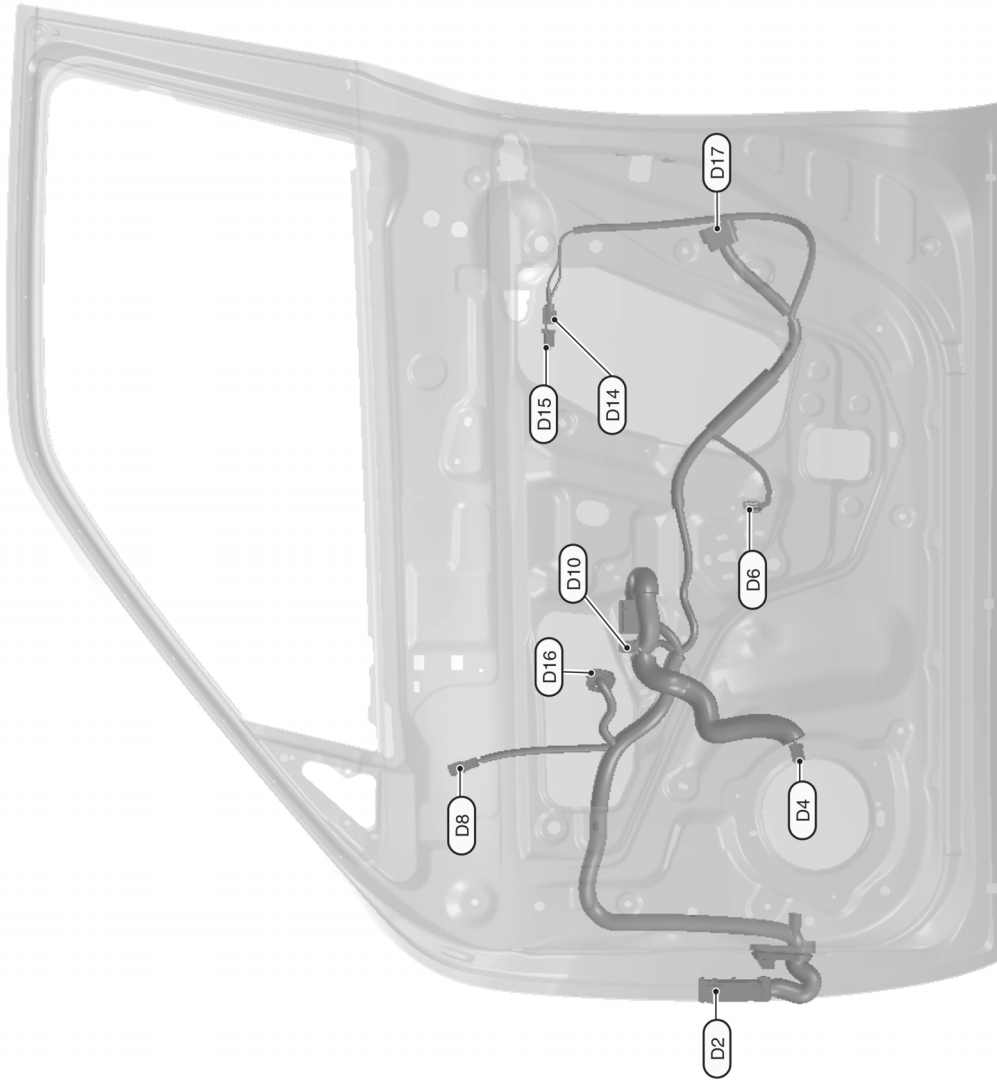
JRMIC2005GB
2012/07/20

HARNESS LAYOUT

< WIRING DIAGRAM >

FRONT DOOR HARNESS (RH SIDE)

FRONT DOOR HARNESS (RH SIDE)



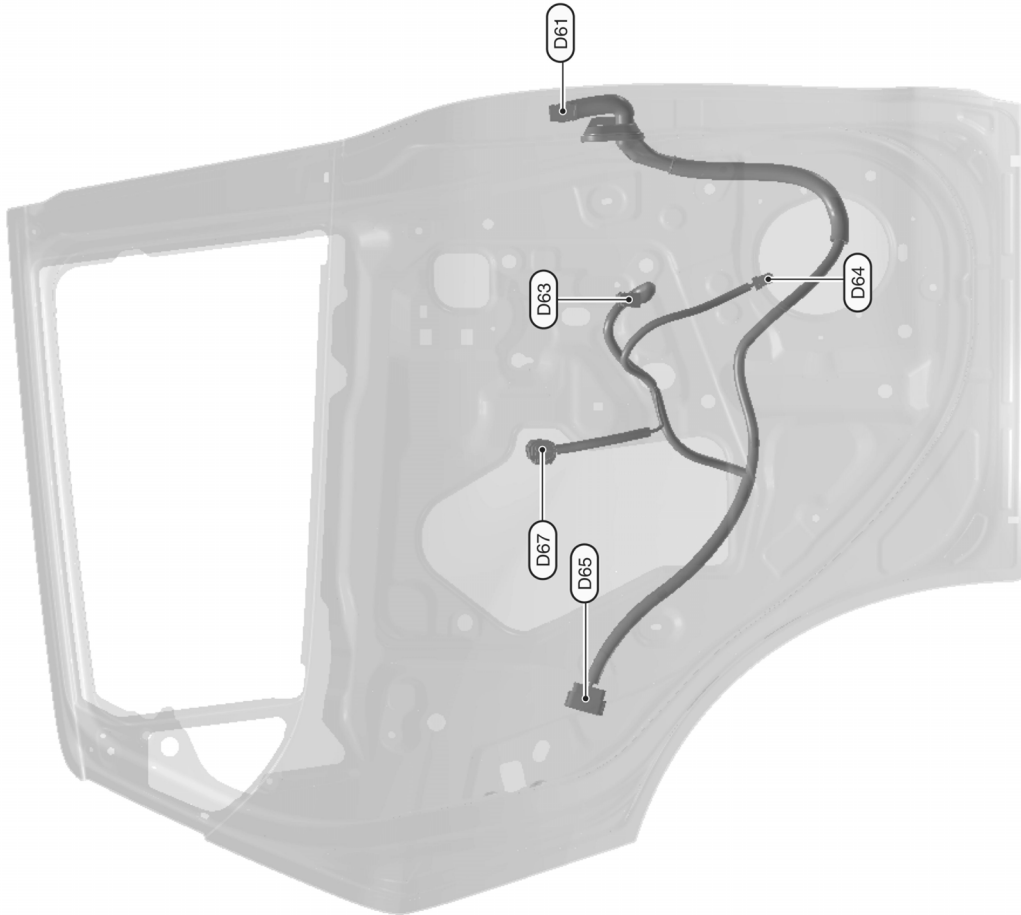
JRMIC2006GB
2012/07/20

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HARNESS LAYOUT

< WIRING DIAGRAM >

REAR DOOR HARNESS (LH SIDE)



REAR DOOR HARNESS (LH SIDE)

2012/07/20

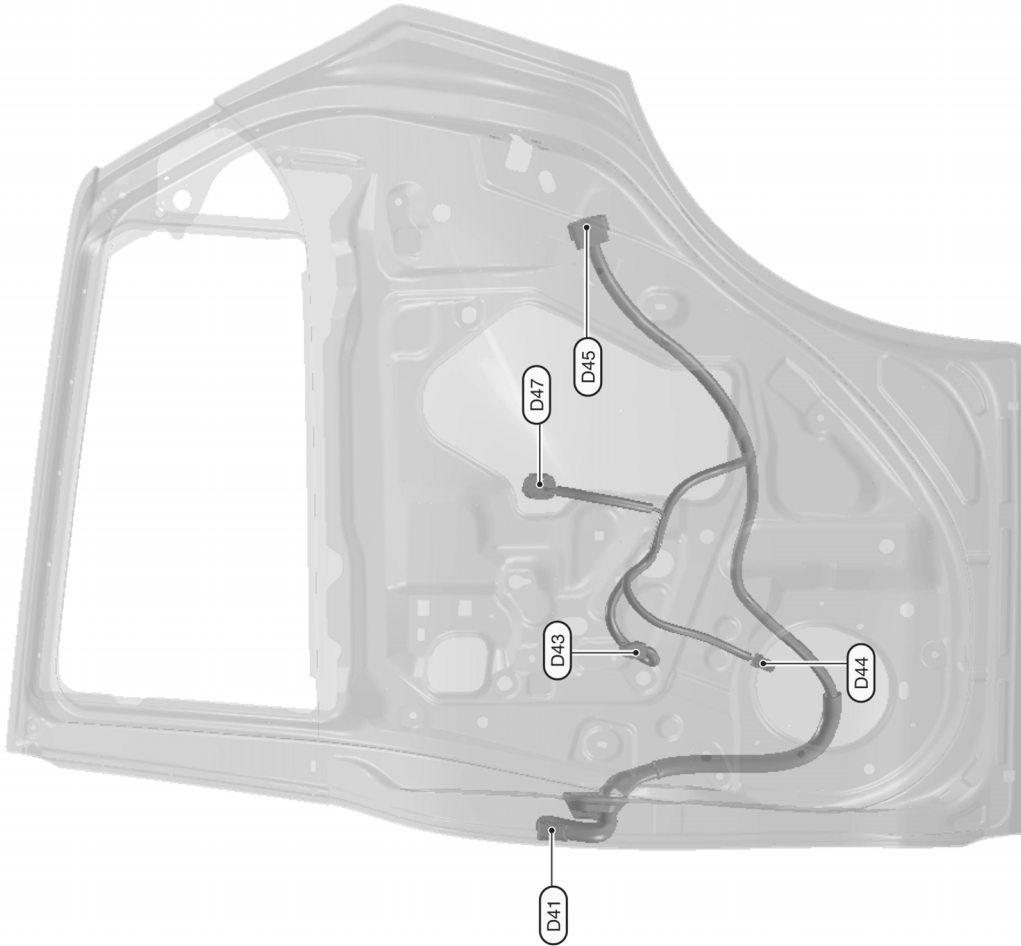
JRMIC2007GB

HARNES LAYOUT

< WIRING DIAGRAM >

REAR DOOR HARNESS (RH SIDE)

REAR DOOR HARNESS (RH SIDE)



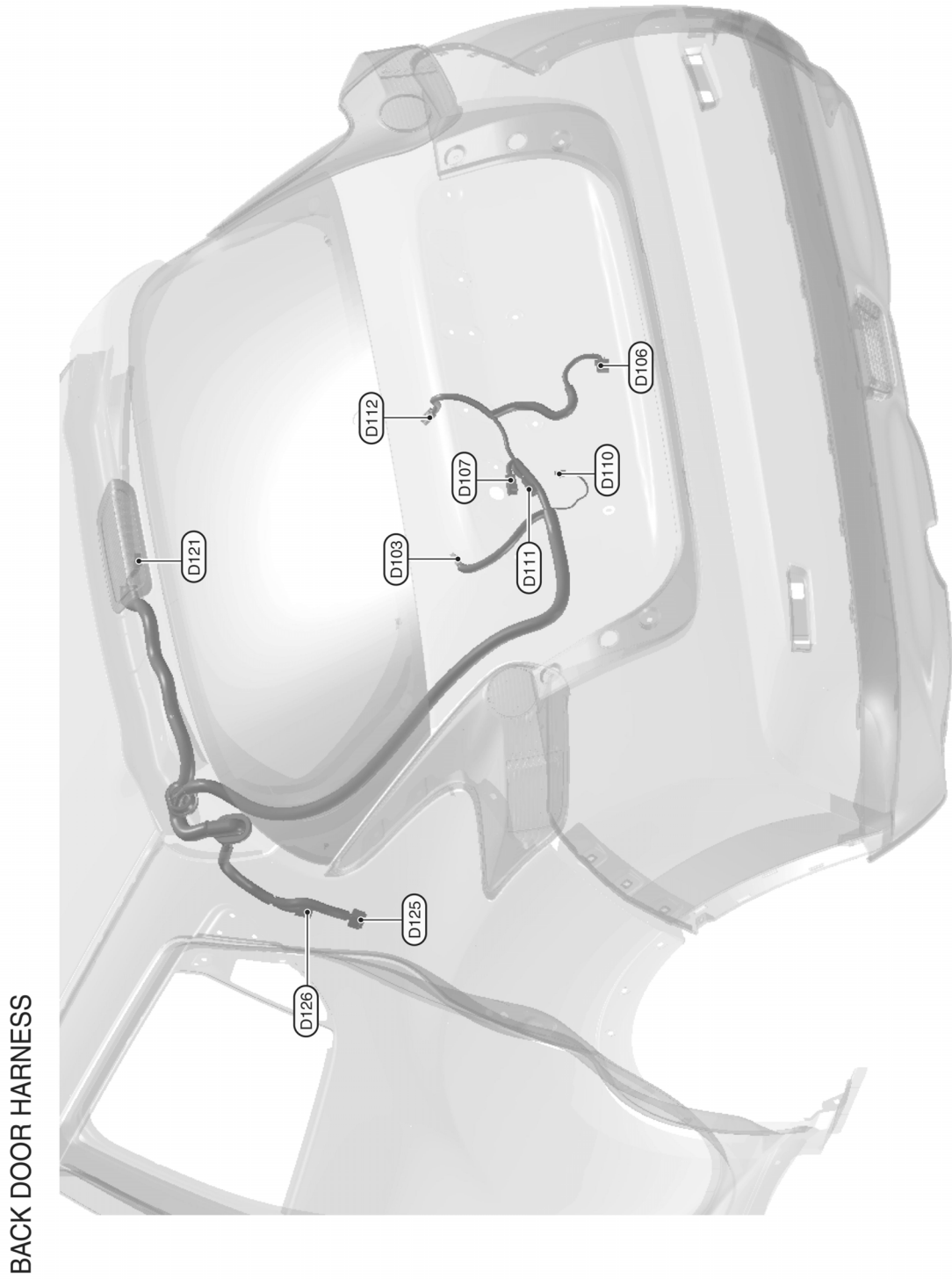
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JRMIC2008GB
2012/07/20

HARNESS LAYOUT

< WIRING DIAGRAM >

BACK DOOR HARNESS



2012/07/20

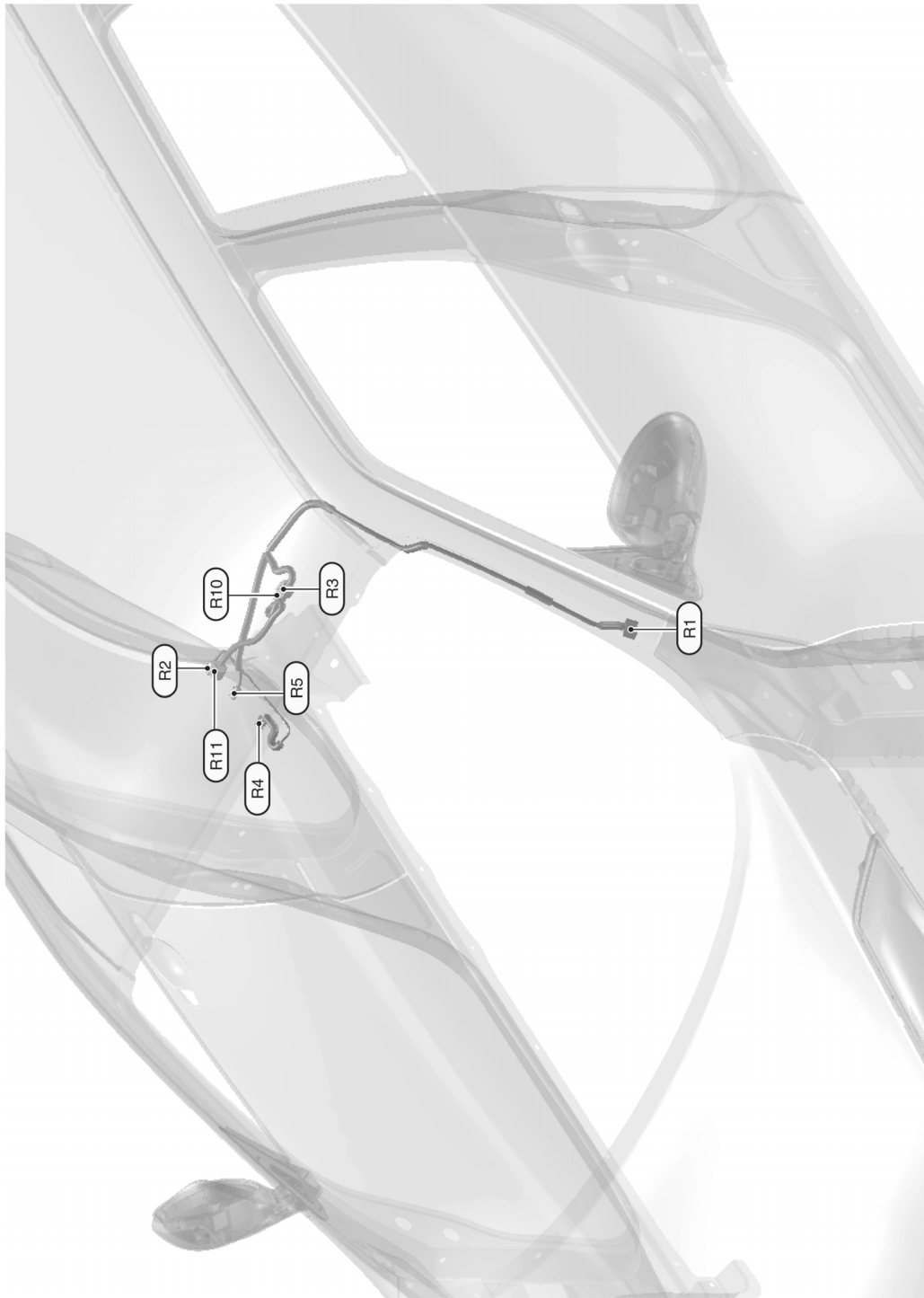
JRMIC2009GB

HARNES LAYOUT

< WIRING DIAGRAM >

Room Lamp Harness

INFOID:000000008273578



ROOM LAMP HARNESS

2012/07/20

JRMIC2010GB

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CONNECTOR INFORMATION

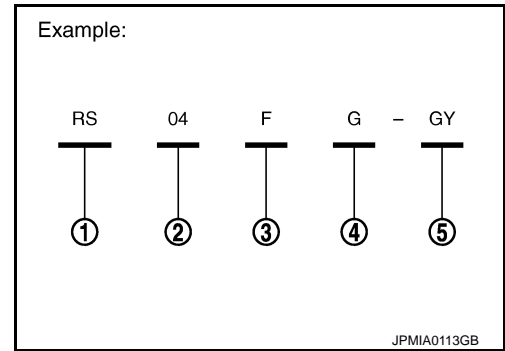
< WIRING DIAGRAM >

CONNECTOR INFORMATION

How to Read Connector Type

INFOID:000000008273579

- 1 : Connector model
- 2 : Cavity
- 3 : Male (M) and female (F) terminals
- 4 : Connector color
- 5 : Special type



CONNECTOR INFORMATION

< WIRING DIAGRAM >

B Body Harness

INFOID:000000008273580

BODY HARNESS

Connector No.	B1
Connector Name	WIRE TO WIRE
Connector Type	NS16MW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	P	-
2	GR	-
6	SB	- [With Intelligent Key]
6	G	- [Without Intelligent Key]
7	G	-
10	W	-
11	LG	-
12	GR	-
13	GR	-
14	Y	-
15	LG	-
16	L	-

Connector No.	B2
Connector Name	WIRE TO WIRE
Connector Type	NS16MW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
2	L	-
3	BR	-
4	Y	-
6	SB	-
7	V	-
8	SB	-
10	V	-
11	W	-
12	R	-

13	R	-
14	P	-
15	L	-
16	G	-

Connector No.	B3
Connector Name	WIRE TO WIRE
Connector Type	TH32MW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
2	SHIELD	-
3	W	-
4	R	-
5	B	-
6	Y	-
7	W	-
8	P	-
9	V	-
10	SHIELD	-
11	R	-
12	G	-
13	W	-
14	B	-
15	L	-
16	BR	-
17	LG	-
18	W	-
19	G	-
20	Y	-
21	SHIELD	-
22	B	-
23	W	-
24	R	-
25	G	-
26	Y	-
27	SHIELD	-
28	W	-
29	R	-
30	B	-
32	R	-

Connector No.	B4
Connector Name	WIRE TO WIRE
Connector Type	TH12MW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
2	BR	-
3	GR	-
5	BR	-
6	L	-
10	V	-
11	LG	-

Connector No.	B6
Connector Name	WIRE TO WIRE
Connector Type	M02MW-LC



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-

Connector No.	B7
Connector Name	WIRE TO WIRE
Connector Type	TH24FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	W	-
3	V	-
5	G	-
6	LG	-
7	R	-
8	P	-
9	L	-
10	G	-
11	L	-
12	Y	-
13	P	-
14	L	-
15	B	-
16	BR	-
17	L	-
18	P	-
19	B	-
20	G	-
21	W	-
22	R	-
23	SHIELD	-

Connector No.	B8
Connector Name	WIRE TO WIRE
Connector Type	NS24FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	GR	-
3	L	-
4	R	-

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CONNECTOR INFORMATION

< WIRING DIAGRAM >

BODY HARNESS

Connector No.	B9
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	FEA08FB-F11A6-SA



Terminal No.	Color of Wire	Signal Name [Specification]
41	LG	REAR WIPER STOP POSITION
42	LG	REAR RH DOOR SW
43	BR	REAR LH DOOR SW
44	SB	DRIVER DOOR SW
45	R	PASSENGER DOOR SW
47	P	BACK DOOR SW
48	W	TURN SIG RH OUTPUT
49	V	TURN SIG LH OUTPUT
50	GR	BK DOOR OPEN OUTPUT
53	P	REAR WIPER OUTPUT
55	L	LUGGAGE LAMP OUTPUT

Connector No.	B10
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	FEA08FB-F11A6-SA



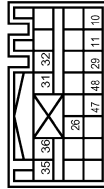
Terminal No.	Color of Wire	Signal Name [Specification]
43	P	BACK DOOR SW
44	LG	REAR WIPER STOP POSITION
45	R	PASSENGER DOOR SW
46	LG	REAR RH DOOR SW
47	SB	DRIVER DOOR SW
48	BR	REAR LH DOOR SW
49	L	LUGGAGE LAMP OUTPUT
51	Y	BACK DOOR REQ SW
53	GR	BK DOOR OPEN OUTPUT
54	P	REAR WIPER OUTPUT
55	G	RR DOOR UNLK OUTPUT

Connector No.	B11
Connector Name	LUGGAGE ROOM LAMP (LUGGAGE SIDE)
Connector Type	NS22FH-CS



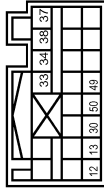
Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	-
2	L	-

Connector No.	B13
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	NH22FY-TV-EX



Terminal No.	Color of Wire	Signal Name [Specification]
10	Y	PRH (+)
11	Y	PRH (-)
26	R	ODS INPUT
29	LG	RH BUCKLE SW INPUT
31	Y	SRH (+)
32	Y	SRH (-)
35	Y/R	GRH (+)
36	Y/B	GRH (-)
47	G	SATELLITE RH (+)
48	R	SATELLITE RH (-)

Connector No.	B14
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	NH22FY-TV-EX



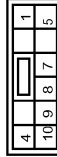
Terminal No.	Color of Wire	Signal Name [Specification]
12	Y	PLH (+)
13	Y	PLH (-)
30	R	LH BUCKLE SW INPUT
33	Y	SLH (+)
34	Y	SLH (-)
37	Y/R	GLH (+)
38	Y/B	GLH (-)
49	P	SATELLITE LH (+)
50	L	SATELLITE LH (-)

Connector No.	B16
Connector Name	WIRE TO WIRE
Connector Type	NS10FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	SB	-
4	L	-
5	G	-
7	LG	-
8	GR	-
9	LG	-
10	Y	-

Connector No.	B17
Connector Name	WIRE TO WIRE
Connector Type	NS10FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-
4	L	-
5	G	-
7	W	-
8	R	-
9	R	-
10	P	-

























Connector No.	B18
Connector Name	WIRE TO WIRE
Connector Type	NS12MW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	LG	-
3	P	-
4	GR	-
5	P	-
6	Y	-
7	L	-
8	GR	-
9	SHIELD	-
10	W	-
11	R	-
12	B	-

CONNECTOR INFORMATION

< WIRING DIAGRAM >

Connector No.	Color of Wire	Terminal No.	Signal Name [Specification]
BODY HARNESS			
B19			
Connector Name	WIRE TO WIRE		
Connector Type	M02MB-P-LC		
			
			
B21			
Connector Name	EVAP CANISTER VENT CONTROL VALVE		
Connector Type	E02FB-RS		
			
			
B22			
Connector Name	EVAP CONTROL SYSTEM PRESSURE SENSOR		
Connector Type	E03FGY-RS		
			
			
B23			
Connector Name	SEAT BELT PRE-TENSIONER RH		
Connector Type	ACB02FY		
			
			
B29			
Connector Name	SEAT BELT PRE-TENSIONER RH		
Connector Type	ACB02FY		
			
			
B30			
Connector Name	RH SATELLITE SENSOR		
Connector Type	MK02FY-IV-EX		
			
			
B32			
Connector Name	SIDE AIR BAG MODULE RH		
Connector Type	TK02FY-EX-1V		
			
			
B33			
Connector Name	G SENSOR		
Connector Type	M300FB-2V		
			
			
B36			
Connector Name	SEAT BELT PRE-TENSIONER LH		
Connector Type	ACB02FY		
			
			
B38			
Connector Name	SEAT BELT PRE-TENSIONER LH		
Connector Type	ACB02FY		
			
			
B39			
Connector Name	POWER SUPPLY		
Connector Type	TK02FY-EX-1V		
			
			
B35			
Connector Name	SIDE AIR BAG MODULE LH		
Connector Type	TK02FY-EX-1V		
			
			

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CONNECTOR INFORMATION

< WIRING DIAGRAM >


BODY HARNESS

Connector No.	B37
Connector Name	LH SATELLITE SENSOR
Connector Type	TK02FY-TV-EX




Terminal No.	Color of Wire	Signal Name [Specification]
1	P	-
2	L	-

Connector No. B38
Connector Name YAW RATE / SIDE / DECEL G SENSOR
Connector Type SC208FB




Terminal No.	Color of Wire	Signal Name [Specification]
2	G	-
4	B	-
5	R	-
6	W	-

Connector No. B41
Connector Name REAR WHEEL SENSOR RH
Connector Type RH02MGY




Terminal No.	Color of Wire	Signal Name [Specification]
2	P	-

Connector No. B44
Connector Name REAR WHEEL SENSOR LH
Connector Type RH02MB




Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
2	BR	-

Connector No. B45
Connector Name REAR WHEEL SENSOR RH
Connector Type RH02MB




Terminal No.	Color of Wire	Signal Name [Specification]
1	G	BATTERY
3	LG	IGN SW
4	L	CAN-H
5	P	CAN-L
9	W	AMD-V SW
10	B	GND
11	B	GND
12	Y	SOL BAT
13	G	2WD SW
21	Y	AMD SW
23	R	AMD SOL L+
24	V	AMD SOL L-
25	W	AMD SOL R+
26	Y	AMD SOL R-

Connector No. B48
Connector Name FRONT DOOR SWITCH (DRIVER SIDE)
Connector Type AD3FW




Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	BR	-
3	B	-
4	P	-
5	L	-

Connector No. B47
Connector Name AMD CONTROL MODULE
Connector Type TH20FY-TB6




Terminal No.	Color of Wire	Signal Name [Specification]
2	SB	-

Connector No. B49
Connector Name FRONT DOOR SWITCH (PASSENGER SIDE)
Connector Type AG3FW



Terminal No.	Color of Wire	Signal Name [Specification]
2	R	-

Connector No. B50
Connector Name SEAT BELT BUCKLE SWITCH (DRIVER SIDE)
Connector Type TH04FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	B	-

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CONNECTOR INFORMATION

< WIRING DIAGRAM >

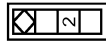
BODY HARNESS

Connector No.	B51
Connector Name	SEAT BELT BUCKLE SWITCH (PASSENGER SIDE)
Connector Type	TH104FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
2	B	-

Connector No.	B53
Connector Name	REAR DOOR SWITCH RH
Connector Type	A03FW



Terminal No.	Color of Wire	Signal Name [Specification]
2	LG	-

Connector No.	B54
Connector Name	SEAT HEATER
Connector Type	NS03FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
40	B	-
41	L	-
42	LG	-

Connector No.	B55
Connector Name	SEAT HEATER
Connector Type	NS03FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
40	B	-
41	GR	-
42	P	-

Connector No.	B56
Connector Name	CURTAIN AIR BAG MODULE RH
Connector Type	ACB02FY



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y/R	-
2	Y/B	-

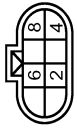
Connector No.	B59
Connector Name	REAR COMBINATION LAMP RH
Connector Type	NS08MW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-

2	GR	-
3	B	-
5	W	-
6	G	-

Connector No.	B64
Connector Name	REAR FINAL DRIVE SUB-HARNESS
Connector Type	RS08FE-PR



Terminal No.	Color of Wire	Signal Name [Specification]
2	W	AWD SOL R+
4	R	AWD SOL L+
6	Y	AWD SOL R-
8	V	AWD SOL L-

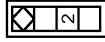
Connector No.	B69
Connector Name	SATELLITE RADIO TUNER
Connector Type	A16FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	SATELLITE RADIO SOUND SIGNAL LH (+)
2	R	SATELLITE RADIO SOUND SIGNAL LH (-)
3	W	SATELLITE RADIO SOUND SIGNAL RH (+)
4	B	SATELLITE RADIO SOUND SIGNAL RH (-)
5	SHIELD	SHIELD
6	SHIELD	SHIELD
7	P	CONTROL
8	W	REQUEST SIGNAL (SAT AUDIO)
9	R	COMMUNICATION SIGNAL (SAT AUDIO)
10	B	COMMUNICATION SIGNAL (AUDIO SAT)
11	Y	REQUEST SIGNAL (CHG AUDIO)
12	BR	BAT

13	W	SOURCE CHANGE
15	B	GND
16	V	ACC

Connector No.	B71
Connector Name	REAR DOOR SWITCH LH
Connector Type	A03FW



Terminal No.	Color of Wire	Signal Name [Specification]
2	BR	-

Connector No.	B72
Connector Name	CURTAIN AIR BAG MODULE LH
Connector Type	ACB02FY



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y/R	-
2	Y/B	-

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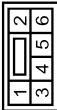
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CONNECTOR INFORMATION

< WIRING DIAGRAM >

BODY HARNESS

Connector No.	B74
Connector Name	WOOFER
Connector Type	NS08FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	SB	BATTERY
2	G	SOUND SIGNAL WOOFER (+)
3	B	GND
4	Y	WOOFER AMP. ON SIGNAL
5	SHIELD	SHIELD
6	R	SOUND SIGNAL WOOFER (-)

Connector No.	B80
Connector Name	REAR COMBINATION LAMP LH
Connector Type	NS08MW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	GR	-
3	B	-
5	V	-
6	G	-

Connector No.	B82
Connector Name	INSIDE KEY ANTENNA (LUDDAGE ROOM)
Connector Type	FKG2FL



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-
2	LG	-

Connector No.	B83
Connector Name	OUTSIDE KEY ANTENNA (REAR BUMPER)
Connector Type	FKG2FL



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	B	-

Connector No.	B84
Connector Name	REAR FINAL DRIVE SUB-HARNESS
Connector Type	HS08MB-PR



Terminal No.	Color of Wire	Signal Name [Specification]
2	-	-
4	-	-

Terminal No.	6	-	-
Terminal No.	8	-	-

Connector No.	B85
Connector Name	ELECTRIC CONTROLLED COUPLING (LEFT)
Connector Type	RS02FB



Terminal No.	Color of Wire	Signal Name [Specification]
4	-	-
8	-	-

Connector No.	B86
Connector Name	ELECTRIC CONTROLLED COUPLING (RIGHT)
Connector Type	RS02FY



Terminal No.	Color of Wire	Signal Name [Specification]
2	-	-
6	-	-

Connector No.	B301
Connector Name	SATELLITE RADIO TUNER
Connector Type	FAKGA



Terminal No.	31	-	-
Terminal No.	31	-	-

Connector No.	B302
Connector Name	ANTENNA BASE
Connector Type	GT16C-1PP-HU



Terminal No.	Color of Wire	Signal Name [Specification]
3	-	-

Connector No.	B311
Connector Name	FUEL LEVEL SENSOR UNIT AND FUEL PUMP
Connector Type	24335-C9900



Terminal No.	Color of Wire	Signal Name [Specification]
6	-	-
7	-	-

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CONNECTOR INFORMATION

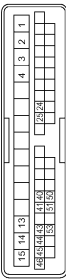
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DOOR HARNESS

Connector No.	D2
Connector Name	WIRE TO WIRE
Connector Type	TH40FW-CS15



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	G	-
3	Y	-
4	V	-
13	W	-
14	SB	-
15	L	-
24	R	-
25	G	-
40	LG	-
41	Y	-
43	GR	-
44	V	-
45	W	-
46	BG	-
50	P	-
51	B	-
53	B	-

Connector No.	D4
Connector Name	FRONT DOOR SPEAKER RH
Connector Type	NS02FW-CS



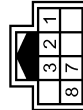
Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	R	-

Connector No.	D6
Connector Name	FRONT DOOR SATELLITE SENSOR RH
Connector Type	HK02FY-1V-EX



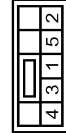
Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	G	-

Connector No.	D8
Connector Name	DOOR MIRROR (PASSENGER SIDE)
Connector Type	TH08MW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-
2	B	-
3	GR	-
7	BG	-
8	W	-

Connector No.	D10
Connector Name	FRONT POWER WINDOW SWITCH (PASSENGER SIDE)
Connector Type	NS08FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	W	-
3	SB	-
4	Y	-
5	R	-

Connector No.	D11
Connector Name	OUTSIDE KEY ANTENNA (PASSENGER SIDE)
Connector Type	FR02MGY



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
2	Y	-

Connector No.	D15
Connector Name	FRONT DOOR REQUEST SWITCH (PASSENGER SIDE)
Connector Type	FR02FGY



Terminal No.	Color of Wire	Signal Name [Specification]
1	P	-
2	B	-

Connector No.	D16
Connector Name	FRONT POWER WINDOW MOTOR (PASSENGER SIDE)
Connector Type	FR08FG



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
3	Y	-

Connector No.	D17
Connector Name	FRONT DOOR LOCK ASSEMBLY (PASSENGER SIDE)
Connector Type	FR08FGY-RS



Terminal No.	Color of Wire	Signal Name [Specification]
5	V	-
6	Y	-

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CONNECTOR INFORMATION

< WIRING DIAGRAM >

DOOR HARNESS

Connector No.	D22
Connector Name	WIRE TO WIRE
Connector Type	TH40FW-CS15

Terminal No.	Color of Wire	Signal Name [Specification]
1	P	-
2	W	-
3	SB	-
4	V	-
5	G	-
6	R	-
7	LG	-
8	L	-
9	P	-
10	G	-
11	W	-
12	SB	-
13	B	-
14	L	-
15	P	-
24	G	-
25	R	-
40	V	-
41	P	-
42	L	-
43	GR	-
44	W	-
45	Y	-
46	BG	-
47	G	-
48	L	-
49	R	-
50	LG	-
52	BR	-

Connector No.	D24
Connector Name	FRONT DOOR SPEAKER LH
Connector Type	NS22FW-CS

Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	P	-

Connector No.	D28
Connector Name	FRONT DOOR SATELLITE SENSOR LH
Connector Type	HR02FY-TV-EX

Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	G	-

Connector No.	D29
Connector Name	DOOR MIRROR (DRIVER SIDE)
Connector Type	TH8BMW-NH

Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	B	-

Connector No.	D33
Connector Name	OUTSIDE KEY ANTENNA (DRIVER SIDE)
Connector Type	RK02MGY

Terminal No.	Color of Wire	Signal Name [Specification]
1	P	-
2	V	-

Connector No.	D34
Connector Name	FRONT DOOR REQUEST SWITCH (DRIVER SIDE)
Connector Type	RK02FGY

Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
2	LG	-

Connector No.	D35
Connector Name	POWER WINDOW MAIN SWITCH
Connector Type	NS36FW-CS

Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
2	SS	-
3	L	-
4	P	-
5	W	-
6	BR	-
7	LG	-
8	BG	-
9	G	-
10	L	-
12	LG	-
14	G	-
15	BR	-
16	W	-

Connector No.	D36
Connector Name	POWER WINDOW MAIN SWITCH
Connector Type	NS03FW-CS

Terminal No.	Color of Wire	Signal Name [Specification]
17	R	-
18	P	-
19	GR	-

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CONNECTOR INFORMATION

< WIRING DIAGRAM >

DOOR HARNESS

Connector No.	D37
Connector Name	FRONT POWER WINDOW MOTOR (DRIVER SIDE)
Connector Type	FS0BFG



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	R	-
3	GR	-
4	W	-
5	P	-
6	LG	-

Connector No.	D38
Connector Name	FRONT DOOR LOCK ASSEMBLY (DRIVER SIDE)
Connector Type	E0BFGY-RS



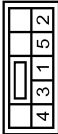
Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-
2	SB	-
3	G	-
4	B	-
5	L	-
6	R	-

Connector No.	D41
Connector Name	WIRE TO WIRE
Connector Type	NS10MW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-
4	L	-
5	G	-
7	LG	-
8	GR	-
9	BR	-
10	Y	-

Connector No.	D43
Connector Name	REAR POWER WINDOW SWITCH RH
Connector Type	NS08FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	BR	-
3	Y	-
4	G	-
5	R	-

Connector No.	D44
Connector Name	REAR DOOR SPEAKER RH
Connector Type	NS02FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
2	GR	-

Connector No.	D45
Connector Name	REAR DOOR LOCK ASSEMBLY RH
Connector Type	E0BFGY-RS



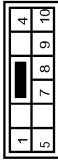
Terminal No.	Color of Wire	Signal Name [Specification]
5	V	-
6	G	-

Connector No.	D47
Connector Name	REAR POWER WINDOW MOTOR RH
Connector Type	FS0BFG



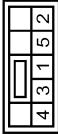
Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
3	R	-

Connector No.	D61
Connector Name	WIRE TO WIRE
Connector Type	NS10MW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-
4	L	-
5	G	-
7	LG	-
8	GR	-
9	BR	-
10	Y	-

Connector No.	D63
Connector Name	REAR POWER WINDOW SWITCH LH
Connector Type	NS08FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	BR	-
3	Y	-
4	G	-
5	R	-

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CONNECTOR INFORMATION

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DOOR HARNESS

Connector No.	D164
Connector Name	REAR DOOR SPEAKER LH
Connector Type	NS22FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
2	GR	-

Connector No.	D165
Connector Name	REAR DOOR LOCK ASSEMBLY LH
Connector Type	E08FCY-RS



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-
2	G	-

Connector No.	D167
Connector Name	REAR POWER WINDOW MOTOR LH
Connector Type	RS08FG



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
3	R	-

Connector No.	D103
Connector Name	CONDENSER
Connector Type	F01FB-A



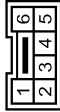
Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-

Connector No.	D106
Connector Name	BACK DOOR LOCK ASSEMBLY
Connector Type	NS04FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
2	B	-
3	P	-
4	B	-

Connector No.	D107
Connector Name	BACK DOOR OPENER SWITCH
Connector Type	TR08MW-TV



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-

2	B	-
3	SB	-
4	B	-
5	V	-
6	B	-

Connector No.	D111
Connector Name	REAR VIEW CAMERA
Connector Type	TH04MW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	CAMERA POWER SUPPLY
2	R	CAMERA GND
3	Y	CAMERA IMAGE SIGNAL
4	SHIELD	SHIELD

Connector No.	D112
Connector Name	REAR WIPER MOTOR
Connector Type	CEA03FW



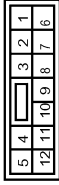
Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	LG	-
3	R	-
4	GR	-
5	P	-
6	SB	-
7	L	-
8	V	-
9	SHIELD	-
10	Y	-
11	R	-
12	B	-

Connector No.	D121
Connector Name	HIGH-MOUNTED STOP LAMP
Connector Type	TK02FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	B	-

Connector No.	D125
Connector Name	WIRE TO WIRE
Connector Type	NS12FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	LG	-
3	R	-
4	GR	-
5	P	-
6	SB	-
7	L	-
8	V	-
9	SHIELD	-
10	Y	-
11	R	-
12	B	-

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CONNECTOR INFORMATION

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DOOR HARNESS

Connector No.	D126
Connector Name	WIRE TO WIRE
Connector Type	MISFE-LC



Connector No.	D203
Connector Name	REAR WINDOW DEFOGGER
Connector Type	F01FB-A



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
2	R	-

Terminal No.	Color of Wire	Signal Name [Specification]
2	B	-

Connector No.	D201
Connector Name	CONDENSER
Connector Type	F01FB-A



Terminal No.	Color of Wire	Signal Name [Specification]
2	B	-

Connector No.	D202
Connector Name	REAR WINDOW DEFOGGER
Connector Type	F01FB-A



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-

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CONNECTOR INFORMATION

< WIRING DIAGRAM >

E Engine Room Harness

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ENGINE ROOM HARNESS

Connector No.	E1
Connector Name	BATTERY TERMINAL WITH FUSELE LINK
Connector Type	LOFGY-MC



Terminal No.	Color of Wire	Signal Name [Specification]
3	G	-
4	W	-

Connector No.	E2
Connector Name	BATTERY TERMINAL WITH FUSELE LINK
Connector Type	LOFER-MC



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	W	-

Connector No.	E3
Connector Name	FUSE HOLDER
Connector Type	24380-5P800



28	25	24	23
		10	A

Terminal No.	Color of Wire	Signal Name [Specification]
24	W	-

Connector No.	E4
Connector Name	FUSE AND FUSIBLE LINK BLOCK
Connector Type	24381-LS900



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

Terminal No.	Color of Wire	Signal Name [Specification]
31	GR	-
32	LG	-
33	O	-
34	R	-
35	BR	-
36	V	-
38	W	-
G	LG	- [With Intelligent Key]
G	G	- [Without Intelligent Key]
H	P	-
I	L	-
J	V	-
K	L	-
M	R	-

Connector No.	E5
Connector Name	HORN RELAY
Connector Type	Relay 24381-LS900



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	BR	-
3	G	-

Connector No.	E6
Connector Name	HORN HIGH
Connector Type	PD1FB-A



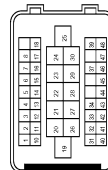
Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-

Connector No.	E7
Connector Name	HORN HIGH
Connector Type	PD1FB-A



Terminal No.	Color of Wire	Signal Name [Specification]
2	B/R	-

Connector No.	E8
Connector Name	WIRE TO WIRE
Connector Type	SAAS36MB-RS1D-SJ2Z



Terminal No.	Color of Wire	Signal Name [Specification]
1	P	-
2	L	-
3	O	-
4	LG	-

5	O	-
6	V	-
7	BR	-
8	SB	-
10	R	-
11	O	-
12	G	-
13	O	-
14	Y	-
15	R	-
16	SB	-
17	GR	-
18	W	-
19	L/B	-
20	L/W	-
21	G	-
22	G	-
23	SHIELD	-
24	P	-
25	R	-
26	B	-
27	B	-
28	LG	-
29	SB	-
30	R	-
31	G	-
32	Y	-
33	BR	-
34	W	-
37	L	-
38	B	-
40	P	-
41	V	-
42	L	-
43	BR	-
44	G	-
45	BR	-
46	Y	-
47	SB	-
48	LG	-

CONNECTOR INFORMATION

< WIRING DIAGRAM >

ENGINE ROOM HARNESS

Connector No.	E9
Connector Name	FROM E/R INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	L02FB-MC



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	G	-

Connector No.	E10
Connector Name	FROM E/R INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	M03FP-LC



Terminal No.	Color of Wire	Signal Name [Specification]
3	R	-
4	P	-
6	GR	-

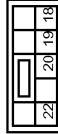
Connector No.	E11
Connector Name	FROM E/R INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	M03FP-LC



Terminal No.	Color of Wire	Signal Name [Specification]
9	B/Y	-

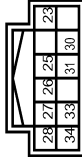
14	R	-
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Connector No.	E12
Connector Name	FROM E/R INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	NSD8FB-CS



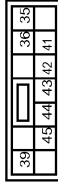
Terminal No.	Color of Wire	Signal Name [Specification]
18	B/Y	-
19	W	-
20	V	-
22	G	-

Connector No.	E13
Connector Name	FROM E/R INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	TH12FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
23	SB	-
25	BR	-
26	P	-
28	Y	-
30	V	-
31	Y	-
33	G	-
34	L	-

Connector No.	E14
Connector Name	FROM E/R INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	NS12FB-CS



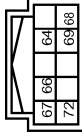
Terminal No.	Color of Wire	Signal Name [Specification]
35	G	-
38	P	-
39	L	-
41	BR	-
42	Y	-
43	L	-
44	R	-
45	W	-

Connector No.	E15
Connector Name	FROM E/R INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	NS18FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
48	BR	-
49	Y	-
50	G	-
51	L	-
52	P	-
54	P	-
55	G	-
56	SB	-
57	O	-
58	LQ	-
59	V	-
60	SB	-
61	LG	-
62	O	-

Connector No.	E17
Connector Name	FROM E/R INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	TH10FB-NH



Terminal No.	Color of Wire	Signal Name [Specification]
64	Y	-
66	L	-
67	L	-
68	O	-
69	BR	-
72	W	-

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CONNECTOR INFORMATION

< WIRING DIAGRAM >

ENGINE ROOM HARNESS

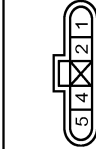
Connector No.	E18
Connector Name	ECM
Connector Type	R1Z4FGY-RE2-R-RH

124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160
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Terminal No.	Color of Wire	Signal Name [Specification]
98	P	CAN COMMUNICATION LINE (CAN-L)
100	L	CAN COMMUNICATION LINE (CAN-H)
101	V	SENSOR POWER SUPPLY
102	R	ACCELERATOR PEDAL POSITION SENSOR 1
103	BR	PNP SIGNAL
104	R	DATA LINK CONNECTOR
105	GR	SENSOR GROUND (ACCELERATOR PEDAL POSITION SENSOR 1)
106	Y	POWER SUPPLY FOR ECM (BACKUP)
108	GR	CLUTCH PEDAL POSITION SWITCH
109	O	IGNITION SWITCH
110	P	ASCD STEERING SWITCH
111	B	SENSOR GROUND
112	BR	ECM RELAY (SELF SHAT-OFF)
115	SB	STOP LAMP SWITCH
116	G	BRAKE PEDAL POSITION SWITCH
117	Y	FUEL PUMP RELAY
118	O	SENSOR POWER SUPPLY
119	BR	ACCELERATOR PEDAL POSITION SENSOR 2
120	Y	SENSOR GROUND
121	G	POWER SUPPLY FOR ECM
122	GR	THROTTLE CONTROL MOTOR POWER SUPPLY
123	B/Y	ECM GROUND
124	B/Y	ECM GROUND
125	L	A/F SENSOR 1 HEATER
126	W	HEATED OXYGEN SENSOR 2 HEATER
127	B/Y	ECM GROUND

Connector No.	E20
Connector Name	FRONT WIPER MOTOR
Connector Type	FX40BFGY-B



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	W	-
4	BR	-
5	B	-

Connector No.	E22
Connector Name	FRONT WHEEL SENSOR LH
Connector Type	1H40ZFGY



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
2	BR	-

Connector No.	E23
Connector Name	SIDE TURN SIGNAL LAMP LH
Connector Type	1STL02FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
2	BR	-

1	V	-
2	B	-

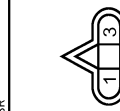


Connector No.	E24
Connector Name	PARKING LAMP LH
Connector Type	T02FB



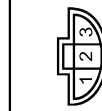
Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	B	-

Connector No.	E25
Connector Name	INTELLIGENT KEY WARNING BUZZER
Connector Type	1R03FBR

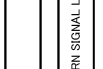


Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
3	GR	-

Connector No.	E26
Connector Name	HEADLAMP LH
Connector Type	1U03FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	B/R	-
3	G	-



Connector No.	E27
Connector Name	FRONT TURN SIGNAL LAMP LH
Connector Type	Z02FGY



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-
2	B/R	-

Connector No.	E29
Connector Name	CLUTCH INTERLOCK SWITCH
Connector Type	1M04FW-LC














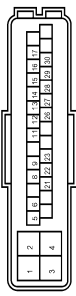














Terminal No.	Color of Wire	Signal Name [Specification]
3	LG	-
4	BR	-

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CONNECTOR INFORMATION

< WIRING DIAGRAM >

ENGINE ROOM HARNESS

Connector No. E30	Connector Name FRONT FOG LAMP LH	Connector Type FH22FB		
Terminal No.	Color of Wire	Signal Name [Specification]		
1	V	-		
2	B/R	-		
Connector No. E31	Connector Name FRONT SIDE MARKER LAMP LH	Connector Type T02FB		
Terminal No.	Color of Wire	Signal Name [Specification]		
1	V	-		
2	B/R	-		
Connector No. E32	Connector Name FRONT SIDE MARKER LAMP RH	Connector Type T02FB		
Terminal No.	Color of Wire	Signal Name [Specification]		
1	L	-		
2	B/R	-		
Connector No. E33	Connector Name GRASH ZONE SENSOR	Connector Type HK02FY-1V-EX		
Terminal No.	Color of Wire	Signal Name [Specification]		
1	B	-		
2	W	-		
Connector No. E34	Connector Name SIDE TURN SIGNAL LAMP RH	Connector Type TSTL02FW		
Terminal No.	Color of Wire	Signal Name [Specification]		
1	Y	-		
2	B	-		
Connector No. E35	Connector Name ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)	Connector Type RH28FB-NUL-UH		
Terminal No.	Color of Wire	Signal Name [Specification]		
1	B	-		
2	W	-		
Connector No. E36	Connector Name BRAKE FLUID LEVEL SWITCH	Connector Type YV02FGY		
Terminal No.	Color of Wire	Signal Name [Specification]		
1	LG	-		
2	B	-		
Connector No. E37	Connector Name BRAKE FLUID LEVEL SWITCH	Connector Type YV02FGY		
Terminal No.	Color of Wire	Signal Name [Specification]		
1	LG	-		
2	B	-		
Connector No. E38	Connector Name FRONT WHEEL SENSOR RH	Connector Type RH02FGY		
Terminal No.	Color of Wire	Signal Name [Specification]		
1	Y	-		
2	W	-		
Connector No. E39	Connector Name FRONT WHEEL SENSOR RH	Connector Type RH02FGY		
Terminal No.	Color of Wire	Signal Name [Specification]		
1	V	-		
2	O	-		
Connector No. E40	Connector Name SIDE TURN SIGNAL LAMP RH	Connector Type TSTL02FW		
Terminal No.	Color of Wire	Signal Name [Specification]		
1	V	-		
2	O	-		
Connector No. E41	Connector Name WASHER PUMP	Connector Type HS02FB-4V		
Terminal No.	Color of Wire	Signal Name [Specification]		
1	V	-		
2	O	-		
Connector No. E42	Connector Name PARKING LAMP RH	Connector Type T02FB		
Terminal No.	Color of Wire	Signal Name [Specification]		
1	L	-		
2	B	-		
Terminal No.	Color of Wire	Signal Name [Specification]		
1	W	BAT (MTR)		
2	L	BAT (SOL)		
3	B	GND (SOL)		
4	B	GND (MTR)		
5	GR	VDC OFF SW		
6	GR	BRAKE PEDAL POSITION SW		
8	SB	STOP LAMP SW		
9	P	CAN-L		
11	BR	DP-FR		
12	W	DS-FR		
13	G	VCC		
14	R	SERIAL+		
15	Y	DS-RR		
16	V	IGN		
17	W	REVERSE SW		
21	Y	DP-FR		
22	L	CAN-H		
23	LG	DP-FL		
26	SB	DP-RL		
27	BR	DS-FL		

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CONNECTOR INFORMATION

< WIRING DIAGRAM >

ENGINE ROOM HARNESS

Connector No.	E48
Connector Name	HEADLAMP RH
Connector Type	UD2FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	SB	-- [With daytime running light system]
1	P	-- [Without daytime running light system]
2	W	-- [With daytime running light system]
2	B	-- [Without daytime running light system]
3	Y	--

Connector No.	E46
Connector Name	FRONT TURN SIGNAL LAMP RH
Connector Type	Z02FGY



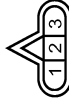
Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	--
2	B	--

Connector No.	E48
Connector Name	FRONT FOG LAMP RH
Connector Type	FH22FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	--
2	B	--

Connector No.	E49
Connector Name	REFRIGERANT PRESSURE SENSOR
Connector Type	FK03FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	--
2	P	--
3	L	--

Connector No.	E50
Connector Name	HORN LOW
Connector Type	P01FB-A



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	--

Connector No.	E51
Connector Name	HORN LOW
Connector Type	P01FB-A



Terminal No.	Color of Wire	Signal Name [Specification]
2	B/R	--

Connector No.	E53
Connector Name	AMBIENT SENSOR
Connector Type	RS02FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	AMBIENT SENSOR SIGNAL
2	LG	SENSOR GROUND

Connector No.	E57
Connector Name	FUEL INJECTOR RELAY
Connector Type	M08FBR-FLC



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	--
2	B/W	--
3	GR	--

5	L/B	--
6	BR	--
7	L/W	--

Connector No.	E58
Connector Name	HIGH PRESSURE FUEL PUMP RELAY
Connector Type	MS0ZFL-M2-LC



Terminal No.	Color of Wire	Signal Name [Specification]
1	B/W	--
2	G	--
3	Y	--
5	V	--

Connector No.	E59
Connector Name	STARTER MOTOR
Connector Type	24340 EN03



Terminal No.	Color of Wire	Signal Name [Specification]
2	B/R	--

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CONNECTOR INFORMATION

< WIRING DIAGRAM >

ENGINE ROOM HARNESS

Connector No.	E64
Connector Name	DAYTIME RUNNING LIGHT RELAY 1
Connector Type	MS22FL-M2-LC



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
2	P	-
3	SB	-
5	P	-

Connector No.	E66
Connector Name	DAYTIME RUNNING LIGHT RELAY 2
Connector Type	MS23FB-M2-LC



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
2	Y	-
3	W	-
4	B	-
5	LG	-

Connector No.	E66
Connector Name	WIRE TO WIRE
Connector Type	FR83FB



Terminal No.	Color of Wire	Signal Name [Specification]
2	L	-
3	W	-

Connector No.	E67
Connector Name	WIRE TO WIRE
Connector Type	X22FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	B/Y	-
2	V	-

Connector No.	E68
Connector Name	ALTERNATOR
Connector Type	24340-85F45



Terminal No.	Color of Wire	Signal Name [Specification]
1	B/R	-

Connector No.	E69
Connector Name	BATTERY TERMINAL WITH FUSIBLE LINK
Connector Type	24340-79506



Terminal No.	Color of Wire	Signal Name [Specification]
5	B/R	-

Connector No.	E71
Connector Name	WASHER LEVEL SWITCH
Connector Type	HS22FW-B



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	B/W	-

Connector No.	E75
Connector Name	DAYTIME RUNNING LIGHT RH
Connector Type	RS22FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	B	-

Connector No.	E76
Connector Name	DAYTIME RUNNING LIGHT LH
Connector Type	RS22FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	B/R	-

Connector No.	E101
Connector Name	ACCELERATOR PEDAL POSITION SENSOR
Connector Type	FR80FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	GR	-
3	R	-
4	V	-
5	O	-
6	W	-

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CONNECTOR INFORMATION

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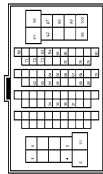
ENGINE ROOM HARNESS

Connector No.	E102
Connector Name	STOP LAMP SWITCH
Connector Type	M02FV-LC



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	SB	-
3	GR	-
4	LG	-

Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	TH160MW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
4	Y	-
5	GR	-
6	P	-
9	G	-
10	R	-
34	O	-
35	GR	-
36	B	-
37	P	-
52	SB	-
53	BR	-
54	V	-
55	O	-
58	L	-
59	Y	-
64	LG	-
65	GR	-

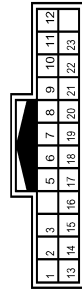
66	R	-
67	W	-
68	SB	-
70	R	-
71	LG	-
72	V	-
73	L	-
76	R	-
78	B	-
79	W	-
80	L	-
83	Y	-
84	LG	-
85	GR	-
86	O	-
90	SHIELD	-
91	G	-
92	R	-
95	BR	-
96	P	-
97	GR	-
98	W	-
99	V	-
100	O	-

Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	L02FB-MC



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	W	-

Connector No.	E107
Connector Name	WIRE TO WIRE
Connector Type	TI12AMP-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	SB	-
2	Y	-
3	V	-
5	G	-
6	O	-
7	R	-
8	SB	-
9	R	-
10	G	-
11	Y	-
12	O	-
13	P	-
14	L	-
15	SB	-
16	O	-
17	BR	-
18	Y	-
19	G	-
20	B	-
21	W	-
22	R	-
23	SHIELD	-

Connector No.	E108
Connector Name	WIRE TO WIRE
Connector Type	NS04MP-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
2	B	-

1	P	-
2	LG	-
3	BR	-
4	R	-

Connector No.	E112
Connector Name	BRAKE PEDAL POSITION SWITCH
Connector Type	M02FBR-LC



Terminal No.	Color of Wire	Signal Name [Specification]
1	O	-
2	G	-

Connector No.	E113
Connector Name	CLUTCH PEDAL POSITION SWITCH
Connector Type	M02FBR-LC



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
2	B	-

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CONNECTOR INFORMATION

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ENGINE ROOM HARNESS

Connector No.	E118
Connector Name	STOP LAMP SWITCH
Connector Type	MSZPE-LC



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	SB	-

Connector No.	E201
Connector Name	WIRE TO WIRE
Connector Type	RH03MB



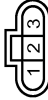
Terminal No.	Color of Wire	Signal Name [Specification]
2	R/Y	-
3	W/L	-

Connector No.	E202
Connector Name	WIRE TO WIRE
Connector Type	X02MB



Terminal No.	Color of Wire	Signal Name [Specification]
1	B/Y	-
2	V	-

Connector No.	E203
Connector Name	COOLING FAN CONTROL MODULE
Connector Type	MSZ01FGY-SNZ2



Terminal No.	Color of Wire	Signal Name [Specification]
1	B/Y	GND
2	W/L	PWM SIG
3	R/W	PWM POWER

Connector No.	E204
Connector Name	COOLING FAN RELAY
Connector Type	24347-3P500



Terminal No.	Color of Wire	Signal Name [Specification]
1	R/Y	-
2	V	-
3	R/W	-
5	V	-

Connector No.	E301
Connector Name	COOLING FAN CONTROL MODULE (COOLING FAN MOTOR-1)
Connector Type	6188F-0250



Terminal No.	Color of Wire	Signal Name [Specification]
4	-	-
5	-	-

Connector No.	E302
Connector Name	COOLING FAN CONTROL MODULE (COOLING FAN MOTOR-2)
Connector Type	6188F-0259



Terminal No.	Color of Wire	Signal Name [Specification]
6	-	-
7	-	-

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CONNECTOR INFORMATION

< WIRING DIAGRAM >

F Engine Control Harness

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ENGINE CONTROL HARNESS

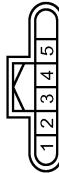
Connector No.	F1
Connector Name	WIRE TO WIRE
Connector Type	SAAC3FB-RS1P-SJZ2



Terminal No.	Color of Wire	Signal Name [Specification]
1	P	-
2	L	-
3	Y	-
4	BG	-
5	LG	-
6	SB	-
7	G	-
8	R	-
10	BR	-
11	Y	-
12	G	-
13	BG	-
14	L	-
15	BR	-
16	P	-
17	SB	-
18	G	-
19	G	-
20	BR	-
21	G	-
22	BR	-
23	SHIELD	-
24	R	-
25	R	-
26	B	-
27	B	-
28	R	-
29	W	-
30	R	-
31	BG	-
32	LG	-
33	BR	-
34	G	-
37	G	-
39	B	-
40	P	-
41	BR	-
42	W	-

43	L	-
44	G	-
45	BR	-
46	R	-
47	Y	-
48	GR	-

Connector No.	F4
Connector Name	MASS AIR FLOW SENSOR
Connector Type	RH08FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	Y	-
3	G	-
4	W	-
5	BR	-

Connector No.	F5
Connector Name	FUEL RAIL PRESSURE SENSOR
Connector Type	AF203FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	GR	-
3	SB	-

Connector No.	F10
Connector Name	STARTER MOTOR
Connector Type	24350 EDD24



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-

Connector No.	F12
Connector Name	KNOCK SENSOR
Connector Type	BS02FGY B-74HY



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	SHIELD	-

Connector No.	F13
Connector Name	CONDENSER
Connector Type	M02FW-LC



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	B	-

Connector No.	F15
Connector Name	ALTERNATOR
Connector Type	HS03FB



Terminal No.	Color of Wire	Signal Name [Specification]
3	LG	-
4	G	-
5	BG	-

Connector No.	F17
Connector Name	COMPRESSOR
Connector Type	RS01FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	MAGNET CLUTCH POWER SUPPLY

CONNECTOR INFORMATION

< WIRING DIAGRAM >

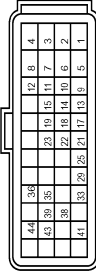
ENGINE CONTROL HARNESS

Connector No.	F19
Connector Name	SECONDARY SPEED SENSOR
Connector Type	RK03FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	R	-
3	LG	-

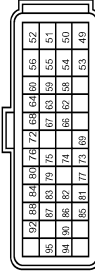
Connector No.	F25
Connector Name	ECM
Connector Type	RH0FB-R2B-L-RH



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	ECM GROUND (FUEL INJECTOR)
2	B	ECM GROUND (FUEL INJECTOR)
3	G	FUEL INJECTOR NO.1.4 (HI)
4	Y	FUEL INJECTOR NO.2.3 (HI)
5	R	FUEL INJECTOR NO.1 (LO)
6	BR	FUEL INJECTOR NO.2 (LO)
7	W	FUEL INJECTOR NO.3 (LO)
8	R	FUEL INJECTOR NO.4 (LO)
9	W	SENSOR GROUND
10	LG	SENSOR GROUND
11	P	SENSOR GROUND
12	BR	SENSOR GROUND
13	G	MASS AIR FLOW SENSOR
14	L	ENGINE COOLANT TEMPERATURE SENSOR
15	L	EVAP CONTROL SYSTEM PRESSURE SENSOR
17	Y	INTAKE AIR TEMPERATURE SENSOR 1
18	GR	FUEL RAIL PRESSURE SENSOR
19	P	REFRIGERANT PRESSURE SENSOR
21	W	A/F SENSOR 1

22	Y	ENGINE OIL TEMPERATURE SENSOR
23	W	SENSOR POWER SUPPLY
25	B	A/F SENSOR 1
29	W	HEATED OXYGEN SENSOR 2
33	R	SENSOR GROUND
35	SHIELD	SENSOR GROUND
38	W	KNOCK SENSOR
38	B	SHIELD
39	R	SENSOR POWER SUPPLY
41	W	TURBOCHARGER BOOST SENSOR
43	G	ENGINE OIL PRESSURE SENSOR
44	SB	SENSOR GROUND

Connector No.	F26
Connector Name	ECM
Connector Type	RH0FB-R2B-L-RH



Terminal No.	Color of Wire	Signal Name [Specification]
48	G	FUEL INJECTOR DRIVER POWER SUPPLY 1
50	B	ECM GROUND (HIGH PRESSURE FUEL PUMP)
51	GR	THROTTLE CONTROL MOTOR (OPEN)
52	BR	THROTTLE CONTROL MOTOR (CLOSE)
53	BR	FUEL INJECTOR DRIVER POWER SUPPLY 2
54	R	HIGH PRESSURE FUEL PUMP DRIVER POWER SUPPLY
55	BR	HIGH PRESSURE FUEL PUMP (HI)
56	Y	HIGH PRESSURE FUEL PUMP (LO)
58	G	SENSOR POWER SUPPLY
59	L	SENSOR GROUND
60	W	SENSOR GROUND
62	B	SENSOR POWER SUPPLY
63	BR	CRANKSHAFT POSITION SENSOR (PHASE)
64	R	CRANKSHAFT POSITION SENSOR (POS)
66	SB	STARTER RELAY CONTROL
67	LG	EXHAUST VALVE TIMING CONTROL POSITION SENSOR
68	Y	SENSOR POWER SUPPLY
69	L	EVAP CANISTER VENT CONTROL VALVE
72	GR	SENSOR POWER SUPPLY
73	BR	TURBOCHARGER BOOST CONTROL SOLENOID VALVE
74	R	SENSOR GROUND
75	G	THROTTLE POSITION SENSOR 1
76	W	THROTTLE POSITION SENSOR 2
77	Y	THROTTLE CONTROL RELAY

79	BG	BATTERY TEMPERATURE SENSOR
80	G	BATTERY CURRENT SENSOR
81	W	INTAKE VALVE TIMING CONTROL SOLENOID VALVE
82	R	IGNITION SIGNAL NO.1
83	G	IGNITION SIGNAL NO.1
84	P	FUEL TANK TEMPERATURE SENSOR
85	G	EXHAUST VALVE TIMING CONTROL SOLENOID VALVE
86	LG	IGNITION SIGNAL NO.2
87	BR	SENSOR GROUND
88	V	INTAKE AIR TEMPERATURE SENSOR 2
90	P	IGNITION SIGNAL NO.3
92	R	CRANKING ENABLE SIGNAL
94	SB	IGNITION SIGNAL NO.4
95	L	EVAP CANISTER PURGE VALVE CONTROL SOLENOID VALVE

Connector No.	F27
Connector Name	TRANSMISSION RANGE SWITCH
Connector Type	RK08FG



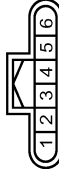
Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
2	BR	-
3	LG	-
4	L	-
5	G	-
6	Y	-
7	W	-
8	V	-

Connector No.	F28
Connector Name	ENGINE COOLANT TEMPERATURE SENSOR
Connector Type	ED2FGY-RS



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	LG	-

Connector No.	F29
Connector Name	ELECTRIC THROTTLE CONTROL ACTUATOR
Connector Type	RH06FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
2	G	-
3	W	-
4	R	-
5	BR	-
6	GR	-

Connector No.	F33
Connector Name	IGNITION COIL NO.1 (WITH POWER TRANSISTOR)
Connector Type	ED2FGY-RS



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	B	-
3	R	-

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CONNECTOR INFORMATION

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ENGINE CONTROL HARNESS

Connector No.	F34
Connector Name	IGNITION COIL No. 2 (WITH POWER TRANSISTOR)
Connector Type	E03FGY-RS



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
2	B	-
3	R	-

Connector No.	F35
Connector Name	IGNITION COIL No. 3 (WITH POWER TRANSISTOR)
Connector Type	E03FGY-RS



Terminal No.	Color of Wire	Signal Name [Specification]
1	P	-
2	B	-
3	R	-

Connector No.	F36
Connector Name	IGNITION COIL No. 4 (WITH POWER TRANSISTOR)
Connector Type	E03FGY-RS



Terminal No.	Color of Wire	Signal Name [Specification]
1	P	-
2	B	-
3	R	-

Terminal No.	Color of Wire	Signal Name [Specification]
1	SB	-
2	B	-
3	R	-

Connector No.	F41
Connector Name	INTAKE VALVE TIMING CONTROL SOLENOID VALVE
Connector Type	E02FG-RS-LGY



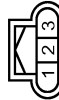
Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	R	-

Connector No.	F42
Connector Name	ALTERNATOR
Connector Type	E-LA6



Terminal No.	Color of Wire	Signal Name [Specification]
2	B	-

Connector No.	F43
Connector Name	ENGINE OIL PRESSURE SENSOR
Connector Type	RH03FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	SB	-
2	G	-
3	R	-

Connector No.	F48
Connector Name	ENGINE OIL TEMPERATURE SENSOR
Connector Type	E02FGY-RS



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	P	-

Connector No.	F49
Connector Name	PARK / NEUTRAL POSITION SWITCH
Connector Type	FEA03FG



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	SB	-
3	BR	-

Connector No.	F51
Connector Name	CVT UNIT
Connector Type	Yazaki 7285-8730-30



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	Y	-
3	W	-
6	R	-
7	BG	-
8	V	-
9	GR	-
11	BR	-
12	G	-
13	L	-
16	W	-
17	SB	-
19	Y	-
20	LG	-
23	P	-

Connector No.	F52
Connector Name	BATTERY CURRENT SENSOR
Connector Type	SAZ04FGY



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	BG	-
3	BR	-
4	G	-

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CONNECTOR INFORMATION

< WIRING DIAGRAM >

ENGINE CONTROL HARNESS

Connector No.	F53
Connector Name	HIGHT PRESSURE FUEL PUMP
Connector Type	HSD2FLGY-YR



Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	-
2	Y	-

Connector No.	F54
Connector Name	TURBOCHARGER BOOST CONTROL SOLENOID VALVE
Connector Type	EDZFL-RS-LGY



Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	-
2	R	-

Connector No.	F55
Connector Name	PRIMARY SPEED SENSOR
Connector Type	RK03FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	BG	-

Terminal No.	3	Color of Wire	LG	Signal Name [Specification]	-
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Connector No.	F65
Connector Name	FUEL INJECTOR No. 1
Connector Type	HSD2FGY



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	R	-

Connector No.	F66
Connector Name	FUEL INJECTOR No. 2
Connector Type	HSD2FGY



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	BR	-

Connector No.	F67
Connector Name	FUEL INJECTOR No. 3
Connector Type	HSD2FGY



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
2	W	-

Connector No.	F68
Connector Name	FUEL INJECTOR No. 4
Connector Type	HSD2FGY



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	R	-

Connector No.	F69
Connector Name	HEATED OXYGEN SENSOR 2
Connector Type	RH04MB



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	R	-
3	G	-
4	W	-

Connector No.	F70
Connector Name	AIR FUEL RATIO (A/F) SENSOR 1
Connector Type	RH04MLGY



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	B	-
3	G	-
4	R	-

Connector No.	F75
Connector Name	TURBOCHARGER BOOST SENSOR
Connector Type	RH04FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	W	-
3	SB	-
4	V	-

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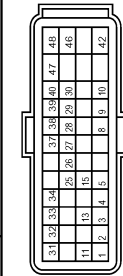
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CONNECTOR INFORMATION

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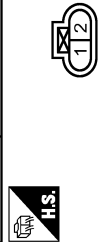
ENGINE CONTROL HARNESS

Connector No.	F81
Connector Name	TCM (TRANSMISSION CONTROL MODULE)
Connector Type	RH40FB-R2B-L-RH



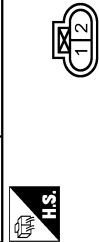
Terminal No.	Color of Wire	Signal Name [Specification]
1	G	R RANGE SW
2	Y	N RANGE SW
3	W	D RANGE SW
4	V	-
5	B	GROUND
8	BR	CLOCK (SEL 2)
9	G	CHP SELECT (SEL 1)
10	W	DATE I/O (SEL 3)
11	L	P RANGE SW
13	SB	CVT FLUID TEMPERATURE SENSOR
15	P	SECONDARY PRESSURE SENSOR
25	Y	SENSOR GROUND
26	LG	SENSOR POWER SUPPLY
27	GR	STEP MOTOR D
28	V	STEP MOTOR C
29	BG	STEP MOTOR B
30	R	STEP MOTOR A
31	P	CAN-L
32	L	CAN-H
33	BG	PRIMARY SPEED SENSOR
34	R	SECONDARY SPEED SENSOR
37	L	LOCK-UP SELECT SOLENOID VALVE
38	G	TORQUE CONVERTER GLITCH SOLENOID VALVE
39	W	SECONDARY PRESSURE SOLENOID VALVE
40	Y	LINE PRESSURE SOLENOID VALVE
42	B	GROUND
46	LG	IGNITION POWER SUPPLY
47	BG	BATTERY POWER SUPPLY (MEMORY BACK-UP)
48	Y	IGNITION POWER SUPPLY

Connector No.	F100
Connector Name	EXHAUST VALVE TIMING CONTROL SOLENOID VALVE
Connector Type	E02FG-RS-LGY



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	R	-

Connector No.	F106
Connector Name	EVAP CHARACTER PURGE VOLUME CONTROL SOLENOID VALVE
Connector Type	E02FL-RS-LGY



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	G	-

Connector No.	F107
Connector Name	CRANKSHAFT POSITION SENSOR
Connector Type	RH03FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	W	-

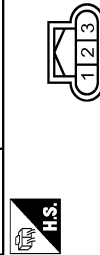
3	G	-
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Connector No.	F108
Connector Name	CAMSHAFT POSITION SENSOR
Connector Type	RH09FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
2	L	-
3	BR	-

Connector No.	F110
Connector Name	EXHAUST VALVE TIMING CONTROL POSITION SENSOR
Connector Type	RH09FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
2	L	-
3	LG	-






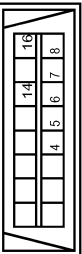
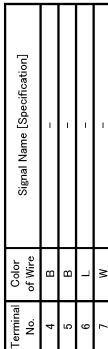



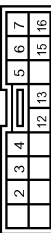
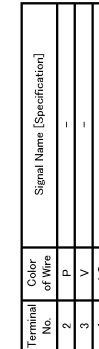
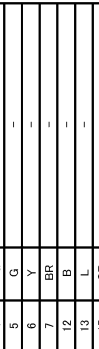

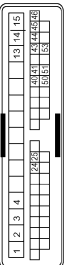

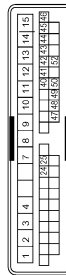
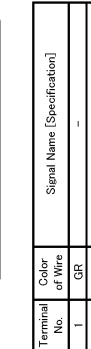





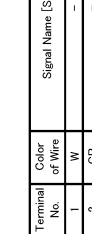







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CONNECTOR INFORMATION

< WIRING DIAGRAM >

M Main Harness

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Connector No.	Color of Wire	Signal Name [Specification]
M1	W	-
Connector Name FUSE BLOCK (J/B) Connector Type L01FW-MC		
		
		
M2	W	-
Connector Name FUSE BLOCK (J/B) Connector Type 24311-1HA0A		
		
		
M3	R	-
Connector Name DATA LINK CONNECTOR Connector Type BD16FW		
		
		
M4	B	-
Connector Name - Connector Type -		
		
M5	W	-
Connector Name - Connector Type -		
		
M6	R	-
Connector Name - Connector Type -		
		
M7	LG	-
Connector Name DOOR MIRROR REMOTE CONTROL SWITCH Connector Type TK16FW		
		
		
M8	LG	-
Connector Name - Connector Type -		
		
M9	P	-
Connector Name - Connector Type -		
		
M10	R	-
Connector Name WIRE TO WIRE Connector Type TH40MW-CS15		
		
		
M11	W	-
Connector Name WIRE TO WIRE Connector Type TH40MW-CS15		
		
		
M12	W	-
Connector Name - Connector Type -		
		
M13	W	-
Connector Name - Connector Type -		
		
M14	W	-
Connector Name TWEETER RH Connector Type TK02FBR		
		
		
M15	W	-
Connector Name TWEETER LH Connector Type TK02FBR		
		
		
M16	W	-
Connector Name - Connector Type -		
		
M17	W	-
Connector Name - Connector Type -		
		
M18	W	-
Connector Name - Connector Type -		
		
M19	W	-
Connector Name - Connector Type -		
		
M20	W	-
Connector Name - Connector Type -		
		
M21	W	-
Connector Name - Connector Type -		
		
M22	W	-
Connector Name - Connector Type -		
		
M23	W	-
Connector Name - Connector Type -		
		
M24	R	-
Connector Name - Connector Type -		
M25	G	-
Connector Name - Connector Type -		
M26	LG	-
Connector Name - Connector Type -		
M27	Y	-
Connector Name - Connector Type -		
M28	V	-
Connector Name - Connector Type -		
M29	LG	-
Connector Name - Connector Type -		
M30	BR	-
Connector Name - Connector Type -		
M31	B	-
Connector Name - Connector Type -		
M32	B	-
Connector Name - Connector Type -		
M33	GR	-
Connector Name - Connector Type -		
M34	R	-
Connector Name - Connector Type -		

MAIN HARNESS

JRMWD7059GB

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CONNECTOR INFORMATION

< WIRING DIAGRAM >

MAIN HARNESS

Connector No.	M18
Connector Name	WIRE TO WIRE
Connector Type	MS16FW-CS



7	6	2	1
16	15	14	13
12	11	10	9

Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	L	-
6	V	- [With Intelligent Key]
6	SB	- [Without Intelligent Key]
7	SB	-
10	W	-
11	BR	-
12	Y	-
13	V	-
14	Y	-
15	LG	-
16	L	-

Connector No.	M19
Connector Name	WIRE TO WIRE
Connector Type	MS16FW-CS



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

Terminal No.	Color of Wire	Signal Name [Specification]
1	P	-
2	Y	-
3	BR	-
4	W	-
6	V	-
7	V	-
9	BR	-
10	V	-
11	LG	-
12	W	-

13	R	-
14	G	-
15	L	-
16	G	-



Connector No.	M21
Connector Name	WIRE TO WIRE
Connector Type	TH32FW-NH



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

Terminal No.	Color of Wire	Signal Name [Specification]
2	SHIELD	-
3	B	-
4	W	-
5	R	-
6	Y	-
7	BR	-
8	P	-
9	L	-
10	SHIELD	-
11	B	-
12	W	-
13	W	-
14	LG	-
15	L	-
16	P	-
17	LG	-
18	W	-
19	G	-
20	R	-
21	SHIELD	-
22	L	-
23	W	-
24	R	-
25	G	-
26	R	-
27	SHIELD	-
28	V	-
29	L	-
30	LG	-
32	W	-

Connector No.	M23
Connector Name	WIRE TO WIRE
Connector Type	NH16MH-CS/D



3	4	5	6
9	10	11	12
13	18		

Terminal No.	Color of Wire	Signal Name [Specification]
3	B	-
4	Y	-
5	L	-
6	P	-
9	BR	-
10	P	-
11	R	-
12	SHIELD	-
13	G	-
18	B	-

Connector No.	M24
Connector Name	KEY SWITCH
Connector Type	TK06MGY



1	2
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Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
2	Y	-

Connector No.	M26
Connector Name	NAIS ANTENNA AMP.
Connector Type	TH16FW-NH



1	2	3	4
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Terminal No.	Color of Wire	Signal Name [Specification]
1	V	BAT
2	P	CLK
3	B	GND
4	LG	DATA

Connector No.	M27
Connector Name	COMBINATION SWITCH
Connector Type	TH16FW-NH



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

Terminal No.	Color of Wire	Signal Name [Specification]
1	O	WASHER (RR)
2	GR	OUTPUT 4
3	R	WASHER (FR)
4	W	IGN
5	BR	OUTPUT 3
6	B	GND
7	V	OUTPUT 3
8	L	OUTPUT 5
9	R	INPUT 2
10	Y	INPUT 4
11	P	INPUT 1
12	W	OUTPUT 1
13	LG	INPUT 5
14	G	OUTPUT 2

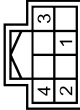
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CONNECTOR INFORMATION

< WIRING DIAGRAM >

MAIN HARNESS

Connector No.	M28
Connector Name	VDC OFF SWITCH
Connector Type	TH08FB-NH



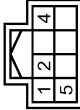
Terminal No.	Color of Wire	Signal Name [Specification]
1	SB	-
2	B	-
3	V	-
4	GR	-

Connector No.	M29
Connector Name	IGNITION SWITCH
Connector Type	M08FW-LC



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	BR	-
3	R	-
4	Y	-
5	W	-

Connector No.	M30
Connector Name	STEERING ANGLE SENSOR
Connector Type	TH08FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	GND
2	P	CAN-L
4	LG	IGN
5	L	CAN-H

Connector No.	M31
Connector Name	PAIRING BRAKE SWITCH
Connector Type	P01FB-A



Terminal No.	1	SB	Signal Name [Specification]	-
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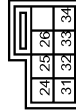
Connector No.	M32
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TK08FY-EX-1V



Terminal No.	Color of Wire	Signal Name [Specification]
23	V	-

28	Y	-
29	Y/W	-
30	Y/G	-

Connector No.	M33
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TK08FY-1V



Terminal No.	Color of Wire	Signal Name [Specification]
24	G	-
25	P	-
26	GR	-
31	R	-
32	B	-
33	L	-
34	R	-

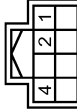
Connector No.	M34
Connector Name	COMBINATION METER
Connector Type	TH08FY-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	CAN-H
2	P	CAN-L
4	V	VEHICLE SPEED SIGNAL (8-PULSE)
6	BR	FUEL LEVEL SENSOR SIGNAL
7	R	AIR BAG SIGNAL
8	Y	-
9	O	SEAT BELT BUCKLE SWITCH SIGNAL (DRIVER SIDE)
10	SB	PARKING BRAKE SWITCH SIGNAL
11	G	BRAKE FLUID LEVEL SWITCH SIGNAL
13	B	ILLUMINATION CONTROL SIGNAL

14	V	MANUAL MODE SHIFT UP SIGNAL
15	L	ACC POWER SUPPLY
16	O	MANUAL MODE SHIFT DOWN SIGNAL
17	W	WASHER LEVEL SWITCH SIGNAL
18	R	SECURITY SIGNAL
19	GR	AMBIENT SENSOR SIGNAL
20	LG	AMBIENT SENSOR GROUND
21	B	GROUND
22	B	GROUND
23	B	GROUND
24	L	FUEL LEVEL SENSOR GROUND
25	B	VDC GROUND
27	LG	BATTERY POWER SUPPLY
28	GR	IGNITION SIGNAL
29	LG	PASSENGER SEAT BELT WARNING SIGNAL
31	P	A/C AUTO AMP. CONNECTION RECOGNITION SIGNAL
36	LG	MANUAL MODE SIGNAL
37	Y	NON-MANUAL MODE SIGNAL
38	P	ALTERNATOR SIGNAL

Connector No.	M37
Connector Name	EPS CONTROL UNIT
Connector Type	TH08FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	P	CAN-L
2	L	CAN-H
4	LG	IGN

A B C D E F G H I J K L PG N O P

CONNECTOR INFORMATION

< WIRING DIAGRAM >



MAIN HARNESS

Connector No.	M38
Connector Name	EPS CONTROL UNIT
Connector Type	L02FB-MC




Terminal No.	9	Signal Name [Specification]
	R	BAT
	B	GND

Connector No.	M39
Connector Name	BLOWER MOTOR
Connector Type	TM02FW



Terminal No.	1	Color of Wire	Y	Signal Name [Specification]
	2	L	-	-

Connector No.	M41
Connector Name	IN-VEHICLE SENSOR
Connector Type	AO2FW





Terminal No.	1	Color of Wire	LG	Signal Name [Specification]
	2	R	-	IN-VEHICLE SENSOR SIGNAL SENSOR GROUND

Connector No.	M42
Connector Name	INTAKE SENSOR
Connector Type	TK02FB



Terminal No.	1	Color of Wire	V	Signal Name [Specification]
	2	R	-	INTAKE SENSOR SIGNAL SENSOR GROUND

Connector No.	M44
Connector Name	THERMO CONTROL AMP.
Connector Type	S08FW

Terminal No.	1	Color of Wire	G	Signal Name [Specification]
	2	BR	-	-
	3	B	-	-
	4	R	-	-
	5	L	-	-

Connector No.	M45
Connector Name	HAZARD SWITCH
Connector Type	TK04FW



Terminal No.	1	Color of Wire	B	Signal Name [Specification]
	2	SB	-	-
	3	V	-	-
	4	B	-	-

Connector No.	M46
Connector Name	PASSENGER AIR BAG MODULE
Connector Type	FRK0FY-BD




Terminal No.	1	Color of Wire	Y/R	Signal Name [Specification]
	2	Y/B	-	-
	3	Y	-	-
	4	Y	-	-

Connector No.	M48
Connector Name	AMD MODE SWITCH
Connector Type	TK08FW-TV

Terminal No.	1	Color of Wire	W	Signal Name [Specification]
	2	GR	-	-
	3	B	-	-
	4	V	-	-
	5	G	-	-
	6	R	-	-

Connector No.	M49
Connector Name	NAIS ANTENNA AMP.
Connector Type	TT08FW-NH




Terminal No.	1	Color of Wire	V	Signal Name [Specification]
	2	P	-	BAT
	3	LG	-	CLK
	4	B	-	DATA
				GND

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CONNECTOR INFORMATION

< WIRING DIAGRAM >

MAIN HARNESS

Connector No.	M50
Connector Name	A/C AUTO AMP.
Connector Type	TH16FW-NH



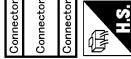
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Connector No.	M51
Connector Name	WIRE TO WIRE
Connector Type	IM4FW-LC



1	2	3	4
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Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	SB	-
3	W	-
4	R	-
5	V	-
6	GR	-
7	G	-
8	B	-
9	B	-
10	W	-
11	R	-
12	Y	-
13	L	-
14	LG	-



Connector No.	M54
Connector Name	INTAKE DOOR MOTOR
Connector Type	983.93-9801



1	2	3	5	6
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Terminal No.	Color of Wire	Signal Name [Specification]
1	W	A.MIX DRIVE SIGNAL 2
2	SB	IGNITION POWER SUPPLY
3	BR	A.MIX DRIVE SIGNAL 4
4	L	A.MIX DRIVE SIGNAL 1
6	GR	A.MIX DRIVE SIGNAL 3



Connector No.	M57
Connector Name	CVT SHIFT SELECTOR
Connector Type	TH16FW-NH



8	7	6	5	4	3	2	1

Terminal No.	Color of Wire	Signal Name [Specification]
1	P	-
2	B	-
3	BR	-
4	B	-
5	V	-
6	GR	-
7	Y	-
8	W	-
9	R	-
10	B	-
11	G	-
12	Y	-
13	P	-

Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	R	-
3	Y	-
4	L	-

Connector No.	M52
Connector Name	A/C CONTROL
Connector Type	GD4FW



16	17	18	19
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Terminal No.	Color of Wire	Signal Name [Specification]
16	L	-
17	R	-
18	G	-
19	B	-

Connector No.	M53
Connector Name	A/C CONTROL
Connector Type	SEA09FB-SHA8



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

Terminal No.	Color of Wire	Signal Name [Specification]
1	W	INTAKE DOOR MOTOR PBR POWER SUPPLY
2	SB	INTAKE DOOR MOTOR PBR F/B SIGNAL
3	R	GROUND
5	G	REC DRIVE SIGNAL
6	V	INTAKE DOOR MOTOR PBR F/B SIGNAL

Connector No.	M55
Connector Name	AIR MIX DOOR MOTOR
Connector Type	IMAA06FB



1	4	
2	3	6

Terminal No.	Color of Wire	Signal Name [Specification]
2	LG	IN-VEHICLE SENSOR SIGNAL
3	V	INTAKE SENSOR SIGNAL
4	GR	AMBIENT SENSOR SIGNAL
5	P	SUNLOAD SENSOR SIGNAL
6	L	CAN-H
7	P	CAN-L
8	W	INTAKE DOOR MOTOR PBR POWER SUPPLY
9	P	A/C AUTO AMP CONNECTION RECOGNITION SIGNAL
10	R	SENSOR GROUND
11	SB	IGNITION POWER SUPPLY
12	Y	BATTERY POWER SUPPLY
13	GR	POWER TRANSISTOR CONTROL SIGNAL
14	LG	BLOWER FAN ON SIGNAL
15	Y	A/C ON SIGNAL
17	BR	A.MIX DRIVE SIGNAL 4
18	GR	A.MIX DRIVE SIGNAL 3
19	W	A.MIX DRIVE SIGNAL 2
20	L	A.MIX DRIVE SIGNAL 1
21	G	IGNITION POWER SUPPLY
22	SB	INTAKE DOOR MOTOR PBR F/B SIGNAL
30	B	GROUND
35	G	FRE DRIVE SIGNAL
36	V	MODE DRIVE SIGNAL 4
37	R	MODE DRIVE SIGNAL 3
38	P	MODE DRIVE SIGNAL 2
38	Y	MODE DRIVE SIGNAL 1
40	V	MODE DRIVE SIGNAL 1

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A B C D E F G H I J K L N O P PG

CONNECTOR INFORMATION

< WIRING DIAGRAM >

MAIN HARNESS

Connector No.	M60
Connector Name	POWER SOCKET
Connector Type	PG2FB-Z



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	B	-

Connector No.	M61
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	2H2BFY-EX



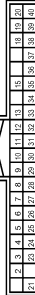
Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	IGN
2	B	GND
3	Y	DR 1 (+)
4	Y/G	DR1 (-) DR2 (-)
5	Y	DR 2 (+)
6	Y/R	AS1 (+)
7	Y/B	AS1 (-)
8	Y	AS2 (+)
9	Y	AS2 (-)
18	LG	ECZS (+)
19	V	ECZS (-)
22	SHIELD	SHIELD
23	R	AIR BAG W/L
24	V	SEAT BELT W/L
25	G	CUTOFF TELLTALE
51	R	FMVSS SENS RH+
52	G	FMVSS SENS RH-
53	Y	FMVSS SENS LH+
54	BR	FMVSS SENS LH-
59	L	CAN-H

60	P	CAN-L
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Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
2	R	-

Connector No.	M65
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
2	L	COMBI SW INPUT 5
3	GR	COMBI SW INPUT 4
4	BR	COMBI SW INPUT 3
5	G	COMBI SW INPUT 2
6	W	COMBI SW INPUT 1
7	L	KEY CYL UNLOCK SW
8	R	KEY CYL LOCK SW
9	R	STOP LAMP SW
10	W	REAR WINDOW DEF SW
11	L	IGN SW ACC
12	Y	DOOR LK & UNLK SW LOCK
13	BR	DOOR LK & UNLK SW UNLOCK
15	W	-
18	V	RECEIVER GND
19	BR	RECEIVER PWR SPLY
20	G	RECEIVER COMMI
21	P	NATS ANT AMP

23	R	SECURITY IND LAMP CONT
24	SB	DONGLE LINK
25	LG	NATS ANT AMP
26	B	THERMO CDRT AMP-
27	W	A/C SW
28	O	BLOWER FAN SW
29	L	HAZARD SW
30	L	BK DOOR OPENER SW
31	G	FR DEFROST SW
32	LG	COMBI SW OUTPUT 5
33	Y	COMBI SW OUTPUT 4
34	V	COMBI SW OUTPUT 3
35	R	COMBI SW OUTPUT 2
36	P	COMBI SW OUTPUT 1
37	GR	KEY SW
38	R	IGN SW ON
39	L	CAN-H
40	P	CAN-L

Connector No.	M66
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	FEA99FW-FHA6-SA



Terminal No.	Color of Wire	Signal Name [Specification]
56	W	DR DOOR UNLK OUTPUT
57	L	BAT (FUSE)
58	LG	INT ROOM LAMP PWR SPLY
60	BR	INT ROOM LAMP CONT
63	SB	A/C IND OUTPUT
65	Y	BAT (F/L)
66	P	PW PWR SPLY (BAT)
67	L	PW PWR SPLY (IGN)
68	SB	PASS. RR DOOR UNLK OUTPUT
69	V	ALL DOOR LOCK OUTPUT
70	B	GND

Connector No.	M68
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FB-NH



Terminal No.	Color of Wire	Signal Name [Specification]
2	L	COMBI SW INPUT 5
3	GR	COMBI SW INPUT 4
4	BR	COMBI SW INPUT 3
5	G	COMBI SW INPUT 2
6	W	COMBI SW INPUT 1
7	L	KEY CYL UNLOCK SW
8	R	KEY CYL LOCK SW
9	R	STOP LAMP SW 1
10	W	-
12	Y	DOOR LK & UNLK SW LOCK
13	BR	DOOR LK & UNLK SW UNLOCK
14	P	OPTICAL SENS
17	R	OPTICAL SENS PWR SPLY
18	V	RECEIVER GND
21	P	NATS ANT AMP
23	R	SECURITY IND LAMP CONT
24	SB	DONGLE LINK
25	LG	NATS ANT AMP
27	W	A/C SW
28	O	BLOWER FAN SW
29	L	HAZARD SW
30	L	BK DOOR OPENER SW
31	GR	DR DOOR UNLK SENS
32	LG	COMBI SW OUTPUT 5
33	Y	COMBI SW OUTPUT 4
34	V	COMBI SW OUTPUT 3
35	R	COMBI SW OUTPUT 2
36	P	COMBI SW OUTPUT 1
37	G	DEFENT SW
38	SB	RECEIVER COMMI
39	L	CAN-H
40	P	CAN-L

CONNECTOR INFORMATION

< WIRING DIAGRAM >

MAIN HARNESS

Connector No.	M69
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TEA08FW-FH4C-SA



Terminal No.	Color of Wire	Signal Name [Specification]
56	LG	INT ROOM LAMP PWR SPLY
57	L	BAT (FUSE)
59	SB	PASS DOOR UNLK OUTPUT
60	V	TURN SIG LH OUTPUT
61	W	TURN SIG RH OUTPUT
63	BR	INT ROOM LAMP CONT
64	R	REVERSE SW
65	V	ALL DOOR LOCK OUTPUT
66	W	DR DOOR UNLK OUTPUT
67	B	GND
68	L	PW PWR SPLY (IGN)
69	P	PW PWR SPLY (BAT)
70	Y	BAT (F/L)

Connector No.	M70
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH08FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
75	LG	DR DOOR REQ SW
76	LG	PASS DOOR REQ SW
78	P	DRIVER DOOR ANT+
79	V	DRIVER DOOR ANT-
80	LG	PASS DOOR ANT+
81	Y	PASS DOOR ANT-
82	W	REAR BMPR ANT+
83	LG	REAR BMPR ANT-
84	BR	ROOM ANT1+

85	GR	ROOM ANT1-
86	G	ROOM ANT2+
87	R	ROOM ANT2-
88	V	LUGGAGE ROOM ANT+
89	LG	LUGGAGE ROOM ANT-
90	W	PUSH-BTN IGN SW ILL PWR
91	V	ACG / ON IND
92	R	PUSH-BTN IGN SW ILL GND
93	GR	F-KEY WARN BUZZER
96	BR	ACG RELAY CONT
97	SB	STARTER RELAY CONT
98	P	IGN RELAY (PDM) E-TR CONT
99	R	IGN RELAY (F/B) CONT
100	P	PUSH SW
101	Y	CLUTCH INTERLOCK SW
102	L	NEUTRAL SW
104	SB	CVT SHIFT SELECT PWR SPLY
105	V	STOP LAMP SW 2
106	Y	BLWR RELAY CONT

Connector No.	M71
Connector Name	HEATED SEAT RELAY
Connector Type	MS02FL-M2-LC



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
2	LG	-
3	G	-
5	V	-

Connector No.	M73
Connector Name	REMOTE KEYLESS ENTRY RECEIVER
Connector Type	TK08FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	GND
2	G	SIGNAL
4	BR	POWER

Connector No.	M74
Connector Name	SUNLOAD SENSOR
Connector Type	AD02FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	P	SUNLOAD SENSOR SIGNAL
2	R	SENSOR GROUND

Connector No.	M75
Connector Name	REMOTE KEYLESS ENTRY RECEIVER
Connector Type	TR08FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	POWER

2	SB	SIGNAL
4	V	GND

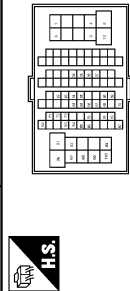
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CONNECTOR INFORMATION

< WIRING DIAGRAM >

MAIN HARNESS

Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	TH180FW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
4	V	-
5	W	-
6	P	-
9	R	-
10	R	-
34	LG	-
35	SB	-
36	B	-
37	P	-
52	R	-
53	L	-
54	SB	-
55	P	-
58	LG	-
59	G	-
64	G	-
85	GR	-
86	Y	-
67	V	-
68	R	-
70	V	-
71	R	-
72	GR	-
73	G	-
76	W	-
78	LG	-
79	V	-
80	LG	-
83	P	-
84	G	-
85	BR	-
86	LG	-
90	SHIELD	-
91	Y	-
92	BR	-
95	Y	- [With Intelligent Key]
95	R	- [Without Intelligent Key]

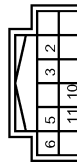
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97	GR	-
98	G	-
99	W	-
100	LG	-

Connector No.	M78
Connector Name	WIRE TO WIRE
Connector Type	L02MB-MC



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	W	-

Connector No.	M79
Connector Name	WIRE TO WIRE
Connector Type	TH12FW-NH



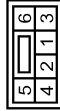
Terminal No.	Color of Wire	Signal Name [Specification]
2	BR	-
3	W	-
5	BR	-
6	L	-
10	V	-
11	LG	-

Connector No.	M80
Connector Name	HEATED SEAT SWITCH LH
Connector Type	NS00FTV-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	Y	-
3	P	-
4	B	-
5	V	-
6	GR	-

Connector No.	M81
Connector Name	HEATED SEAT SWITCH RH
Connector Type	NS00FRR-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	L	-
3	R	-
4	B	-
5	V	-
6	GR	-

Connector No.	M82
Connector Name	WIRE TO WIRE
Connector Type	MB4FW-LC



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	GR	-
3	B	-
4	Y	-

Connector No.	M84
Connector Name	OPTICAL SENSOR
Connector Type	TK03FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	SB	-
3	V	-

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CONNECTOR INFORMATION

< WIRING DIAGRAM >

MAIN HARNESS

Connector No.	M85
Connector Name	TIRE PRESSURE WARNING CHECK SWITCH
Connector Type	TK02FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-

Connector No.	M86
Connector Name	DONGLE UNIT
Connector Type	NS08FBF-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
7	SB	-

Connector No.	M87
Connector Name	WIRE TO WIRE
Connector Type	TH08FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-
2	Y	-
3	P	-

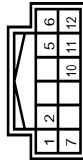
4	R	-
5	SB	-

Connector No.	M88
Connector Name	WIRE TO WIRE
Connector Type	M02FW-LC



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-

Connector No.	M89
Connector Name	MULTI DISPLAY UNIT
Connector Type	TH12FW-NH



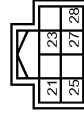
Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	BAT
2	V	ILL*
5	GR	ILL CONT
6	L	CAN-H
7	SB	IGN
10	B	GND
11	B	GND
12	P	CAN-L

Connector No.	M81
Connector Name	AUDIO UNIT
Connector Type	TH16FW-CS2



Terminal No.	Color of Wire	Signal Name [Specification]
2	W	SOUND SIGNAL FRONT SPEAKER LH (+)
3	GR	SOUND SIGNAL FRONT SPEAKER LH (-)
4	LG	SOUND SIGNAL REAR SPEAKER LH (+)
5	W	SOUND SIGNAL REAR SPEAKER LH (-)
6	W/L	STRG SW A
7	L	ACC
8	GR	ILLUMINATION CONTROL SIGNAL (-)
9	V	ILLUMINATION CONTROL SIGNAL (+)
11	G	SOUND SIGNAL FRONT SPEAKER RH (+)
12	R	SOUND SIGNAL FRONT SPEAKER RH (-)
13	BR	SOUND SIGNAL REAR SPEAKER RH (+)
14	Y	SOUND SIGNAL REAR SPEAKER RH (-)
15	L/G	STRG SW GND
16	GR/B	STRG SW B
18	Y	VEHICLE SPEED (8-PULSE)
19	BR	BATTERY

Connector No.	M82
Connector Name	AUDIO UNIT
Connector Type	TH08FW-NH



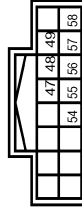
Terminal No.	Color of Wire	Signal Name [Specification]
21	R	iPod SOUND SIGNAL LH (+)
23	B	iPod SOUND SIGNAL RH (+)
25	W	iPod SOUND SIGNAL LH (-)
27	G	iPod SOUND SIGNAL RH (-)
28	SHIELD	SHIELD

Connector No.	M83
Connector Name	AUDIO UNIT
Connector Type	A12FW



Terminal No.	Color of Wire	Signal Name [Specification]
31	G	SATELLITE RADIO SOUND SIGNAL LH (-)
32	R	SATELLITE RADIO SOUND SIGNAL LH (+)
33	W	SATELLITE RADIO SOUND SIGNAL RH (-)
34	B	SATELLITE RADIO SOUND SIGNAL RH (+)
35	SHIELD	SHIELD
36	SHIELD	SHIELD
37	W	SOURCE CHANGE
38	W	REQUEST SIGNAL (SAT AUDIO)
39	R	COMM (SAT AUDIO)
40	B	COMM (AUDIO SAT)
41	P	CONTROL
42	Y	REQUEST SIGNAL (CHG AUDIO)

Connector No.	M84
Connector Name	AUDIO UNIT
Connector Type	TH16FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
47	SB	AV COMM (H)
48	SB	AV COMM (H)
49	LG	AV COMM (L)
54	O	TEL ON
55	LG	AV COMM (L)
56	BR	SOUND SIGNAL (+)
57	GR	SOUND SIGNAL (-)
58	SHIELD	SHIELD

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CONNECTOR INFORMATION

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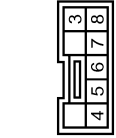
MAIN HARNESS

Connector No.	M85
Connector Name	GLOVE BOX LAMP
Connector Type	AG2FW



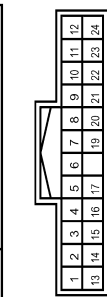
Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-
2	B	-

Connector No.	M101
Connector Name	PUSH-BUTTON IGNITION SWITCH
Connector Type	TKGBFR



Terminal No.	Color of Wire	Signal Name [Specification]
3	G	-
4	B	-
5	W	-
6	R	-
7	V	-
8	LG	-

Connector No.	M102
Connector Name	iPod ADAPTER
Connector Type	TH24FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	iPod SOUND SIGNAL LH (+)
2	B	iPod SOUND SIGNAL RH (+)
3	L	ACC
4	LG	AV COMM (L)
5	BR	BATTERY
6	GR	USB D+ SIGNAL
7	LG	USB D- SIGNAL
8	W	iPod BATTERY CHARGE (2V)
9	V	COMM (iPod ADAPTER, iPod)
10	LG	COMM (iPod ADAPTER)
11	R	ACCESSORY IDENTIFY
12	L	iPod SOUND SIGNAL RH (+)
13	W	iPod SOUND SIGNAL LH (-)
14	G	iPod SOUND SIGNAL RH (-)
15	SHIELD	SHIELD
16	SB	AV COMM (H)
17	SHIELD	SHIELD
19	SHIELD	SHIELD
20	BR	iPod BATTERY CHARGE 5V
21	SB	iPod CONNECTION RECOGNITION
22	P	ACCESSORY DETECT
23	Y	iPod SOUND SIGNAL GND
24	G	iPod SOUND SIGNAL LH (+)

Connector No.	M103
Connector Name	iPod CONNECTOR
Connector Type	IP18FGY



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	iPod SOUND SIGNAL LH (+)
2	Y	iPod SOUND SIGNAL GND
3	BR	iPod BATTERY CHARGE 5V
5	LG	COMM (iPod ADAPTER)
6	V	COMM (iPod ADAPTER, iPod)
7	L	iPod SOUND SIGNAL RH (+)
9	SB	iPod CONNECTION RECOGNITION
10	SHIELD	GND
11	GR	USB D+ SIGNAL
12	W	iPod BATTERY CHARGE (2V)
13	LG	USB D- SIGNAL

14	SHIELD	SHIELD
15	P	ACCESSORY DETECT
16	R	ACCESSORY IDENTIFY

Connector No.	M105
Connector Name	INSIDE KEY ANTENNA (INSTRUMENT CENTER)
Connector Type	RK02FL



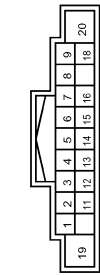
Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	-
2	GR	-

Connector No.	M106
Connector Name	INSIDE KEY ANTENNA (CONSOLE)
Connector Type	RK02FL



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	R	-

Connector No.	M107
Connector Name	NAVI CONTROL UNIT
Connector Type	TH18FW-CS2



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	WOOFER AMP_ON SIGNAL
2	W	SOUND SIGNAL FRONT SPEAKER LH (+)
3	GR	SOUND SIGNAL FRONT SPEAKER LH (-)
4	LG	SOUND SIGNAL REAR SPEAKER LH (+)
5	W	SOUND SIGNAL REAR SPEAKER LH (-)
6	G	STRG SW A
7	L	ACC
8	GR	ILLUMINATION CONTROL SIGNAL (-)
9	V	ILLUMINATION CONTROL SIGNAL (+)
11	G	SOUND SIGNAL FRONT SPEAKER RH (+)
12	R	SOUND SIGNAL FRONT SPEAKER RH (-)
13	BR	SOUND SIGNAL REAR SPEAKER RH (+)
14	Y	SOUND SIGNAL REAR SPEAKER RH (-)
15	V	STRG SW GND
16	R	STRG SW B
18	Y	VEHICLE SPEED SIGNAL (8-PULSE)
19	BR	BATTERY
20	B	GND

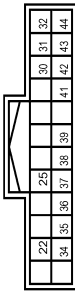
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CONNECTOR INFORMATION

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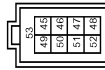
MAIN HARNESS

Connector No.	M118
Connector Name	NAVI CONTROL UNIT
Connector Type	TH24FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
22	B	EQ2
25	G	REVERSE SIGNAL
30	W	SOUND SIGNAL WOOFER (+)
31	B	SOUND SIGNAL WOOFER (-)
32	SHIELD	SHIELD
34	BR	SOUND SIGNAL (+)
35	Y	SOUND SIGNAL (-)
36	B	TEL GND
37	SHIELD	SHIELD
38	G	AV COMM (H)
39	R	AV COMM (L)
41	V	CAMERA IMAGE SIGNAL
42	SHIELD	SHIELD
43	LG	CAMERA POWER SUPPLY
44	L	CAMERA GND

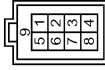
Connector No.	M119
Connector Name	NAVI CONTROL UNIT
Connector Type	GT17-8P



Terminal No.	Color of Wire	Signal Name [Specification]
45	G	USB GND
46	W	USB D- SIGNAL
47	R	USB D+ SIGNAL
48	L	V BUS SIGNAL
49	R	AUX SOUND SIGNAL LH (+)
50	W	AUX SOUND SIGNAL RH (+)
51	Y	AUX SOUND SIGNAL GND

52	SHIELD	SHIELD
53	SHIELD	SHIELD

Connector No.	M120
Connector Name	USE CONNECTOR AND AUX JACK
Connector Type	GT17-8P



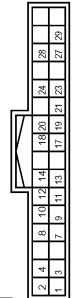
Terminal No.	Color of Wire	Signal Name [Specification]
1	W	
2	L	
3	G	
4	R	
5	R	
6	W	
7	Y	
8	SHIELD	
9	SHIELD	

Connector No.	M126
Connector Name	FRONT PASSENGER AIR BAG OFF INDICATOR
Connector Type	TK02FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	
2	B	

Connector No.	M127
Connector Name	TEL ADAPTER UNIT
Connector Type	TH32FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	BATTERY
2	L	ACC
3	SB	IGNITION
4	B	GND
7	G	MICROPHONE SIGNAL
8	SHIELD	MICROPHONE SIGNAL GND
9	BR	SOUND SIGNAL (+)
10	GR	SOUND SIGNAL (-)
11	Y	TEL ON SIGNAL
12	G	STRG SW A
13	R	STRG SW B
14	V	STRG SW GND
17	W	STRG SW A
18	LG	STRG SW B
19	P	STRG SW GND
20	B	CONTROL SIGNAL
21	B	CONTROL SIGNAL
23	B	CONTROL SIGNAL
24	B	CONTROL SIGNAL
27	B	CONTROL SIGNAL
28	Y	VEHICLE SPEED (9-PULSE)
29	R	MICROPHONE VCC

Connector No.	M128
Connector Name	TEL ADAPTER UNIT
Connector Type	TH08FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
35		
36		
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41		
42		

35	SB	AV COMM (H)
36	LG	AV COMM (L)
39	SB	AV COMM (H)
40	SB	AV COMM (H)
41	LG	AV COMM (L)
42	LG	AV COMM (L)

Connector No.	M300
Connector Name	DRIVER AIR BAG MODULE
Connector Type	ACAB2F0R



Terminal No.	Color of Wire	Signal Name [Specification]
9		
12		

Connector No.	M301
Connector Name	DRIVER AIR BAG MODULE
Connector Type	ACAB2FY-2V



Terminal No.	Color of Wire	Signal Name [Specification]
10		
11		

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CONNECTOR INFORMATION

< WIRING DIAGRAM >

MAIN HARNESS

Connector No.	M302
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TKGBFGY



Terminal No.	Color of Wire	Signal Name [Specification]
13	R	-
14	W	-
15	L	-
16	B	-
17	BR	-
18	G	-
19	P	-
20	Y	-

Connector No.	M303
Connector Name	TEL ADAPTER UNIT
Connector Type	GT16C-1S-HU



Terminal No.	Color of Wire	Signal Name [Specification]
33	-	TEL ANTENNA SIGNAL
34	-	SHIELD

Connector No.	M308
Connector Name	WIRE TO WIRE
Connector Type	GT13SS-1S-HU



Terminal No.	Color of Wire	Signal Name [Specification]
1	-	-
2	-	-

Connector No.	M309
Connector Name	WIRE TO WIRE
Connector Type	GT13SSN-1,1PP-HU



Terminal No.	Color of Wire	Signal Name [Specification]
1	-	-
2	-	-

Connector No.	M310
Connector Name	ANTENNA BASE
Connector Type	GT13SSN-1,1PP-HU



Terminal No.	Color of Wire	Signal Name [Specification]
1	-	ANTENNA AMP-ON SIGNAL
2	-	AM-FM MAIN

Connector No.	M311
Connector Name	WIRE TO WIRE
Connector Type	GT16C-1S-HU



Terminal No.	Color of Wire	Signal Name [Specification]
1	-	-

Connector No.	M312
Connector Name	WIRE TO WIRE
Connector Type	GT16C-1PP-HU



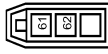
Terminal No.	Color of Wire	Signal Name [Specification]
1	-	-

Connector No.	M313
Connector Name	ANTENNA BASE
Connector Type	GT13SSN-1,1PP-HU



Terminal No.	Color of Wire	Signal Name [Specification]
1	-	-

Connector No.	M315
Connector Name	AUDIO UNIT
Connector Type	GT13SC-2,1S-HU



Terminal No.	Color of Wire	Signal Name [Specification]
61	-	ANTENNA AMP-ON SIGNAL
62	-	ANTENNA SIGNAL

Connector No.	M316
Connector Name	NAVI CONTROL UNIT
Connector Type	GT13SH-2,1S-HU



Terminal No.	Color of Wire	Signal Name [Specification]
70	-	ANTENNA AMP-ON SIGNAL
71	-	ANTENNA SIGNAL

Connector No.	M317
Connector Name	NAVI CONTROL UNIT
Connector Type	FAKBA-connector-female,Code.C



Terminal No.	Color of Wire	Signal Name [Specification]
54	-	GPS ANTENNA SIGNAL
55	-	SHIELD

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CONNECTOR INFORMATION

< WIRING DIAGRAM >

MAIN HARNESS

Connector No.	M318
Connector Name	NAVI CONTROL UNIT
Connector Type	FAKRA-JACK



Terminal No.	Color of Wire	Signal Name [Specification]
73	-	SATELLITE RADIO ANTENNA SIGNAL

Connector No.	M324
Connector Name	CVT SHIFT SELECTOR
Connector Type	TH16BMW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	Y	-
3	W	-
4	P	-
5	G	-
6	G	-
7	BR	-
8	G	-
9	GR	-
10	Y	-
11	L/W	-
12	O	-
13	LG	-

Connector No.	M325
Connector Name	PAFK POSITION SWITCH
Connector Type	TR02FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	-	-
2	-	-

Connector No.	M326
Connector Name	SHIFT LOCK SOLENOID
Connector Type	Yazaki:7263-3845



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	B	-

Connector No.	M340
Connector Name	WIRE TO WIRE
Connector Type	TH06BMW



Terminal No.	Color of Wire	Signal Name [Specification]
1	-	-
2	-	-

3	-	-
4	-	-
5	-	-



Connector No.	M342
Connector Name	MODE DOOR MOTOR
Connector Type	998192-1001



Terminal No.	Color of Wire	Signal Name [Specification]
1	-	MODE DRIVE SIGNAL 1
2	-	MODE DRIVE SIGNAL 2
3	-	MODE DRIVE SIGNAL 3
4	-	MODE DRIVE SIGNAL 4
5	-	IGNITION POWER SUPPLY

Connector No.	M343
Connector Name	WIRE TO WIRE
Connector Type	M04MW



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	G	-
3	B	-
4	Y	-

Connector No.	M344
Connector Name	POWER TRANSISTOR
Connector Type	TRW 852100-F



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	BLOWER MOTOR CONTROL OUTPUT
2	G	POWER TRANSISTOR CONTROL SIGNAL
3	B	GROUND
4	Y	IGNITION POWER SUPPLY

Connector No.	M345
Connector Name	WIRE TO WIRE
Connector Type	M04MW



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	G	-
3	L	-
4	R	-

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CONNECTOR INFORMATION

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MAIN HARNESS

Connector No.	M3316
Connector Name	BLOWER FAN RESISTOR
Connector Type	M3316R



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	G	-
3	L	-
4	R	-

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CONNECTOR INFORMATION

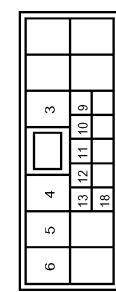
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R Room Lamp Harness

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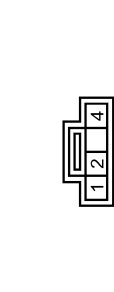
ROOM LAMP HARNESS

Connector No.	R1
Connector Name	WIRE TO WIRE
Connector Type	NH1UFW-CS10



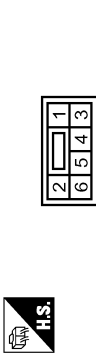
Terminal No.	Color of Wire	Signal Name [Specification]
3	B	-
4	W	-
5	L/W	-
6	R/Y	-
9	V	-
10	R	-
11	R	-
12	SHIELD	-
13	L	-
18	B	-

Connector No.	R2
Connector Name	MICROPHONE
Connector Type	TKG6FW



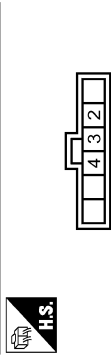
Terminal No.	Color of Wire	Signal Name [Specification]
1	L	MICROPHONE SIGNAL
2	SHIELD	MICROPHONE GND
4	R	MICROPHONE VCC

Connector No.	R3
Connector Name	WIRE TO WIRE
Connector Type	NSD6FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
2	L/W	-
3	G	-
4	Y	-
5	W	-
6	R/Y	-

Connector No.	R4
Connector Name	MAP LAMP
Connector Type	GAA06FW



Terminal No.	Color of Wire	Signal Name [Specification]
2	V	-
3	B	-
4	R	-

Connector No.	R5
Connector Name	SUNROOF SWITCH
Connector Type	TKG6FW



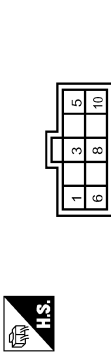
Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	B	-
3	G	-

Connector No.	R10
Connector Name	WIRE TO WIRE
Connector Type	NSD6MW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
2	L	-
3	G	-
4	Y	-
5	V	-
6	P	-

Connector No.	R11
Connector Name	SUNROOF MOTOR ASSEMBLY
Connector Type	YEA10FGY



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	GND
3	L	IGN
5	Y	SW-BIT 0
6	P	BAT
8	V	SPEED SENSOR (8P)
10	G	SW-BIT 1

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BATTERY INSPECTION

< BASIC INSPECTION >

BASIC INSPECTION

BATTERY INSPECTION

How to Handle Battery

INFOID:000000008273586

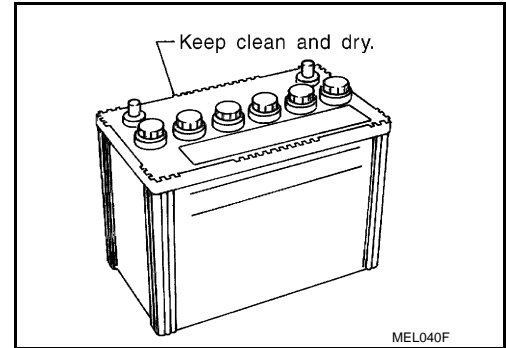
CAUTION:

- 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.

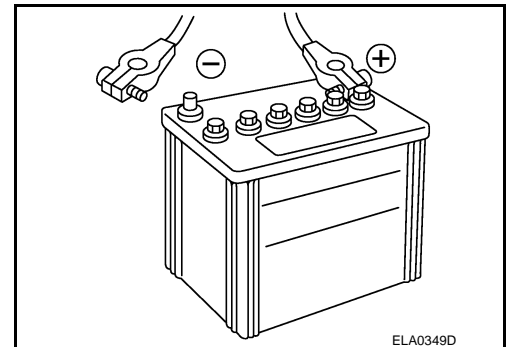
METHODS OF PREVENTING OVER-DISCHARGE

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 fuse switch, turn it off.)



Work Flow

INFOID:000000008273587

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

Check Electrolyte Level

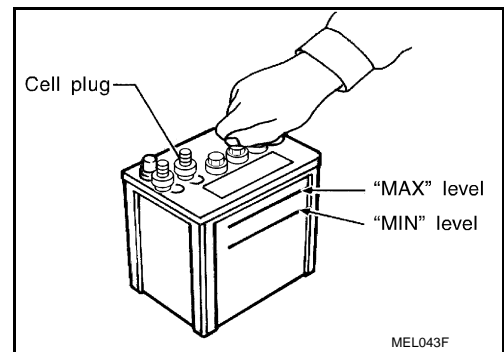
WARNING:

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.

BATTERY INSPECTION

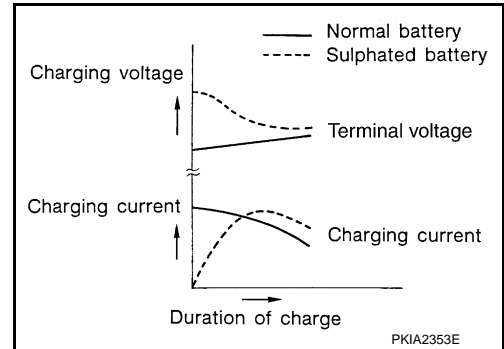
< BASIC INSPECTION >

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



SULPHATION

- 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 sulphation on the cell plates.
- To determine if a battery has been “sulphated”, 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 sulphated batteries.
- A sulphated 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.



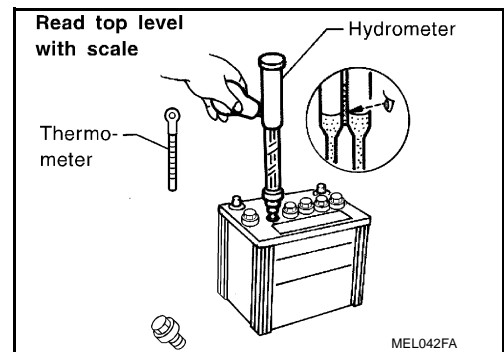
Specific Gravity Check

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 INSPECTION

< BASIC INSPECTION >

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	5	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	13	0.5
1/2 charged	26	
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.

FUSE INSPECTION

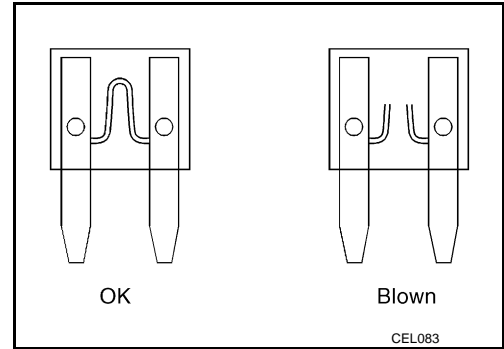
< BASIC INSPECTION >

FUSE INSPECTION

How To Check

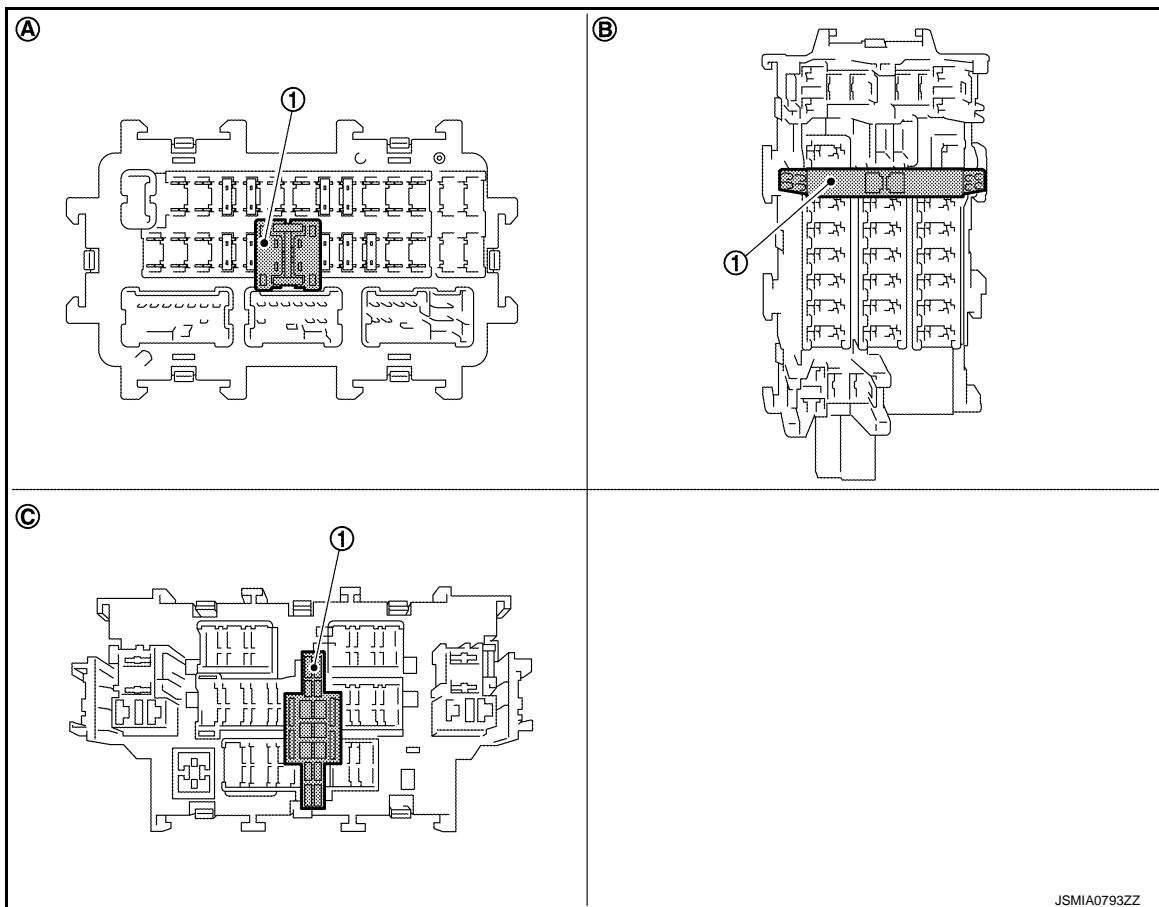
INFOID:000000008273588

- 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 FUSE SWITCH (IF EQUIPPED)

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



1. Extended storage fuse switch

A. Type A

B. Type B

C. Type C

- Remove the extended storage fuse switch when replacing the fuse of extended storage fuse switch.
- Remove the extended storage fuse switch if it causes the interference when the fuse or the other fuses is checked.

How To Extended Storage Fuse Switch ON/OFF

CAUTION:

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

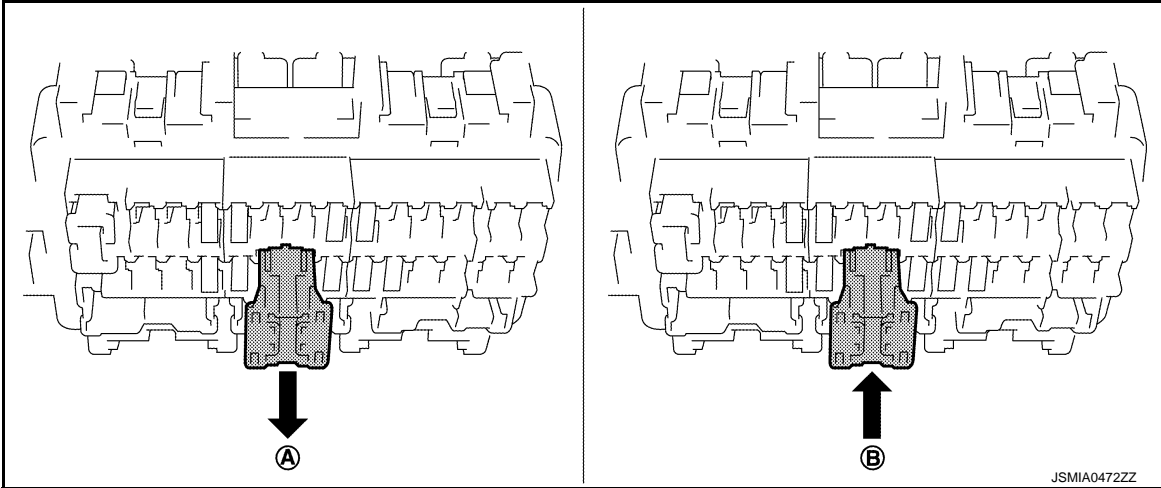
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FUSE INSPECTION

< BASIC INSPECTION >

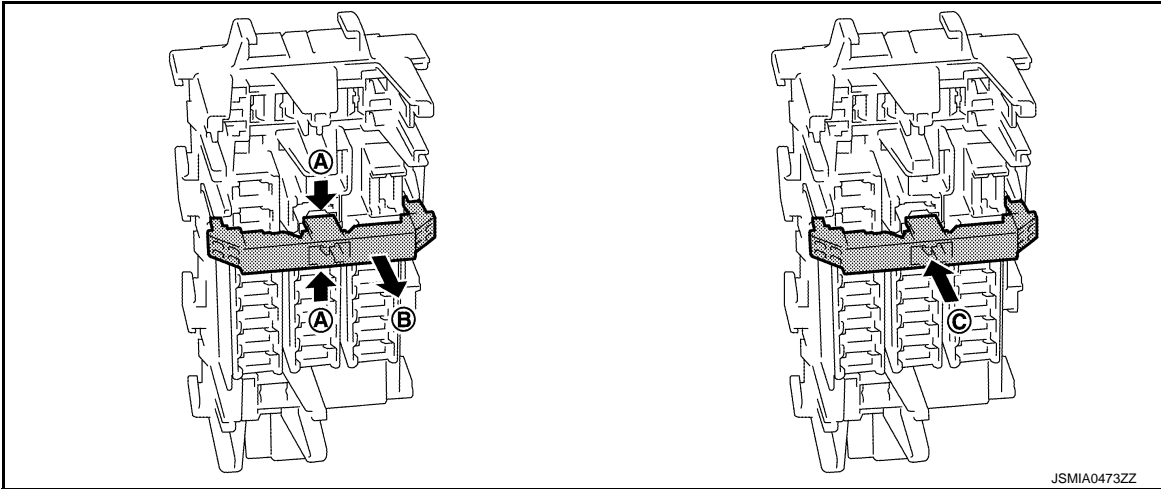
- Type A



JSMIA0472ZZ

- To turn the extended storage fuse switch OFF, pull it up in (A) direction as shown in the figure.
- To turn the extended storage fuse switch ON, press it in (B) direction as shown in the figure.

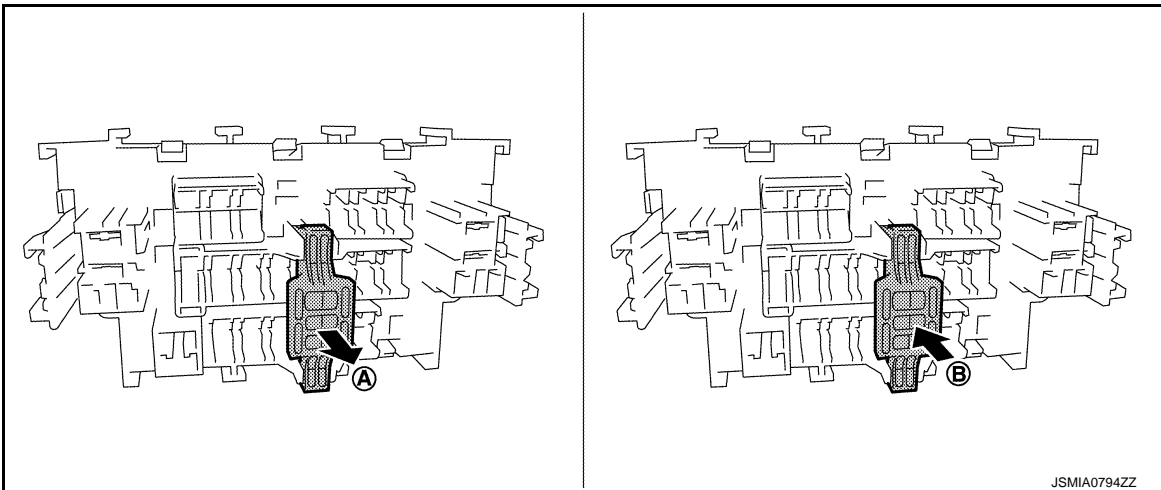
- Type B



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- To turn the extended storage fuse switch OFF, hold (A) of the switch and pull up in (B) direction as shown in the figure.
- To turn the extended storage fuse switch ON, press it in (C) direction as shown in the figure.

- Type C



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- To turn the extended storage fuse switch OFF, pull it up in (A) direction as shown in the figure.
- To turn the extended storage fuse switch ON, press it in (B) direction as shown in the figure.

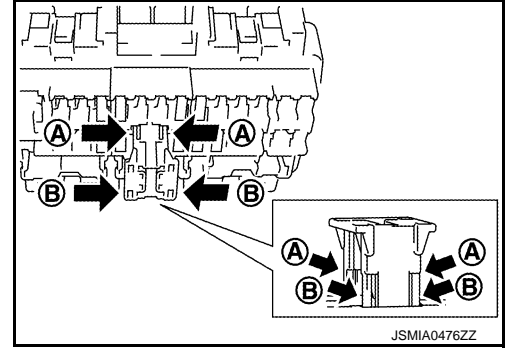
How To Remove Extended Storage Fuse Switch

Type A

FUSE INSPECTION

< BASIC INSPECTION >

1. Turn the ignition switch OFF.
2. Turn the extended storage fuse switch OFF.
3. Press pawl (A) and tilt to disengage the extended storage fuse switch. Press pawl (B) and tilt to remove the extended storage fuse switch.

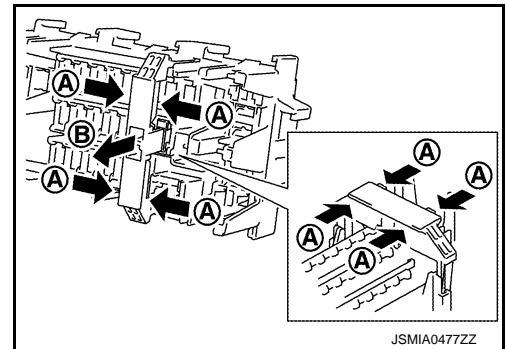


NOTE:

- Extended storage fuse switch and fuse are removed together. Remove fuse from extended storage fuse switch, if necessary.
- Extended storage fuse switch is for transportation and storage. Reinstallation is not required after the removal.

Type B

1. Turn the ignition switch OFF.
2. Turn the extended storage fuse switch OFF.
3. Hold (A) and pull up the extended storage fuse switch hard in (B) direction.

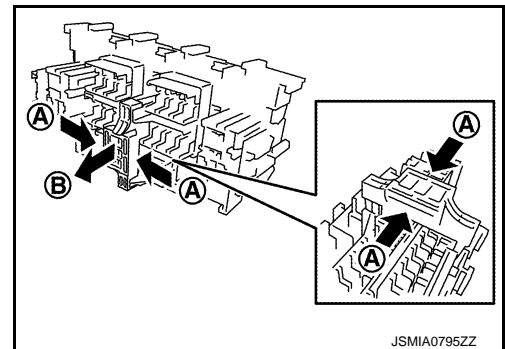


NOTE:

- Extended storage fuse switch and fuse may be removed together. Remove fuse from extended storage fuse switch, if necessary.
- Extended storage fuse switch is for transportation and storage. Reinstallation is not required after the removal.

Type C

1. Turn the ignition switch OFF.
2. Turn the extended storage fuse switch OFF.
3. Hold (A) and pull up the extended storage fuse switch hard in (B) direction.



NOTE:

- Extended storage fuse switch and fuse are removed together. Remove fuse from extended storage fuse switch, if necessary.

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FUSE INSPECTION

< BASIC INSPECTION >

- Extended storage fuse switch is for transportation and storage. Reinstallation is not required after the removal.

FUSIBLE LINK INSPECTION

< BASIC INSPECTION >

FUSIBLE LINK INSPECTION

How To Check

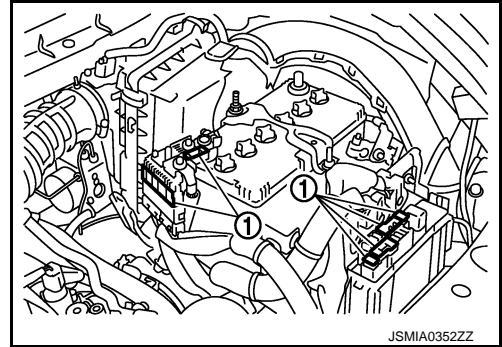
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A melted fusible link can be detected either by visual inspection or by feeling with finger tip. If its condition is questionable, use circuit tester or test lamp.

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.



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BATTERY

< REMOVAL AND INSTALLATION >


REMOVAL AND INSTALLATION

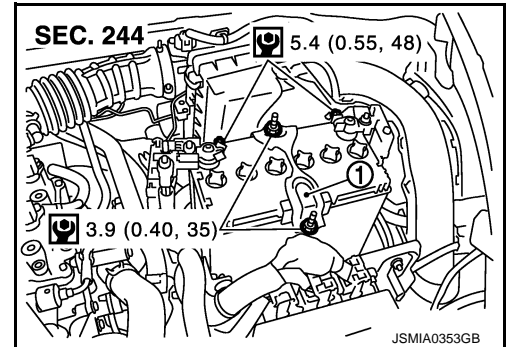
BATTERY

Exploded View

INFOID:000000008273590

1 : Battery fix frame

 :N·m (kg·m, in·lb)



Removal and Installation

INFOID:000000008273591

REMOVAL

1. Disconnect the battery cable from the negative terminal.
CAUTION:
When disconnecting, disconnect the battery cable from the negative terminal first.
2. Remove cover of battery positive terminal.
3. Disconnect the battery cable from the positive terminal.
4. Remove battery fix frame mounting nuts and battery fix frame.
5. Remove battery.

INSTALLATION

Install in the reverse order of removal.

CAUTION:

- To install the battery, carefully read the following instructions.
- When connecting, connect the battery cable to the positive terminal first.
- After connecting battery cables, ensure that they are tightly clamped to battery terminals for good contact.
- Check battery terminal for poor connection caused by corrosion.

Reset electronic systems as necessary. Refer to [GI-55. "ADDITIONAL SERVICE WHEN REMOVING BATTERY NEGATIVE TERMINAL : Required Procedure After Battery Disconnection"](#).


BATTERY TERMINAL WITH FUSIBLE LINK

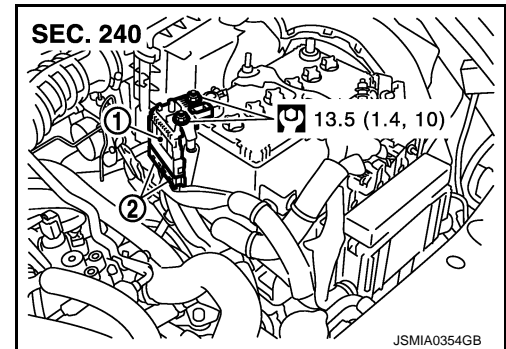
< REMOVAL AND INSTALLATION >

BATTERY TERMINAL WITH FUSIBLE LINK

Exploded View

INFOID:000000008273592

- 1 : Battery terminal with fusible link
- 2 : Harness connector
-  : N·m (kg·m, ft·lb)



Removal and Installation

INFOID:000000008273593

REMOVAL

1. Disconnect the battery cable from the negative terminal.
2. Remove cover of battery positive terminal.
3. Remove harness mounting nut and battery terminal with fusible link mounting nut.
4. Disconnect harness connector and remove battery terminal with fusible link.

INSTALLATION

Install in the reverse order of removal.

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SERVICE DATA AND SPECIFICATIONS (SDS)

< SERVICE DATA AND SPECIFICATIONS (SDS)

SERVICE DATA AND SPECIFICATIONS (SDS)

SERVICE DATA AND SPECIFICATIONS (SDS)

Battery

INFOID:000000008273594

Type		80D23L-HR
20 hour rate capacity	[V – Ah]	12 – 62
Cold cranking current (For reference value)	[A]	570