

SECTION **PG**

POWER SUPPLY, GROUND & CIRCUIT ELEMENTS

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PRECAUTIONS

< PRECAUTION >

PRECAUTION

PRECAUTIONS

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

INFOID:000000007578544

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 3 minutes before performing any service.

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PREPARATION

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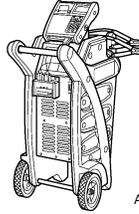
PREPARATION

PREPARATION

Special Service Tools

INFOID:000000007799415

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



AW1IA1239ZZ



JSMA0806ZZ

COMPONENT PARTS

< SYSTEM DESCRIPTION >

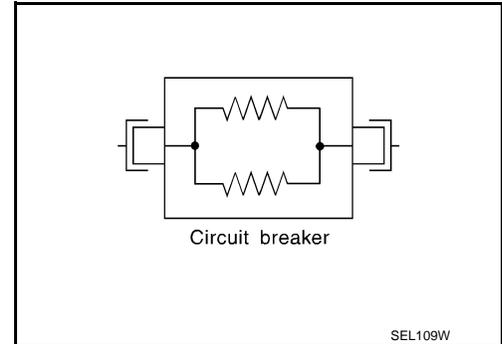
SYSTEM DESCRIPTION

COMPONENT PARTS

Circuit Breaker

INFOID:000000007578546

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:000000007578547

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:000000007578548

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:

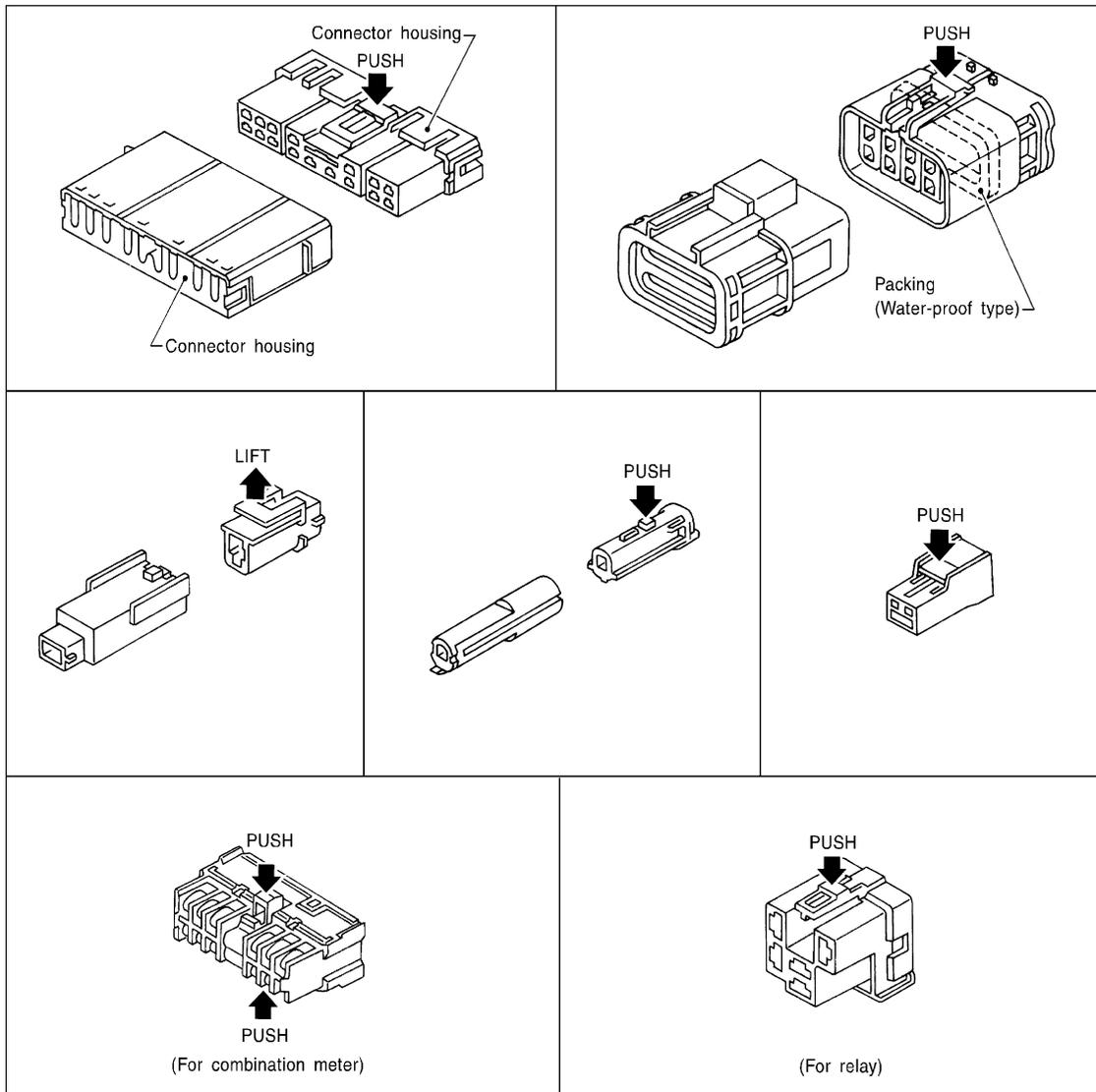
Never pull the harness or wires when disconnecting the connector.

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COMPONENT PARTS

< SYSTEM DESCRIPTION >

[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.

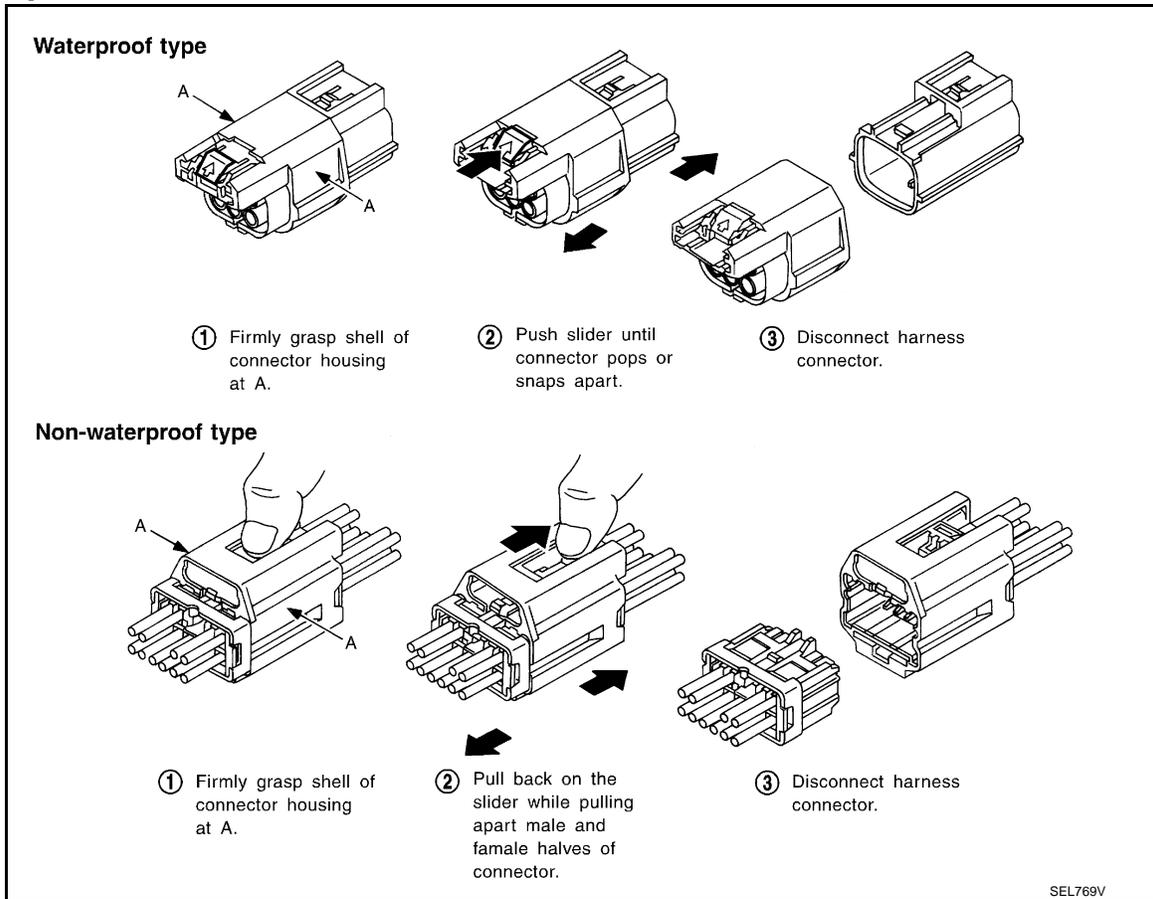
CAUTION:

- **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.

CAUTION:

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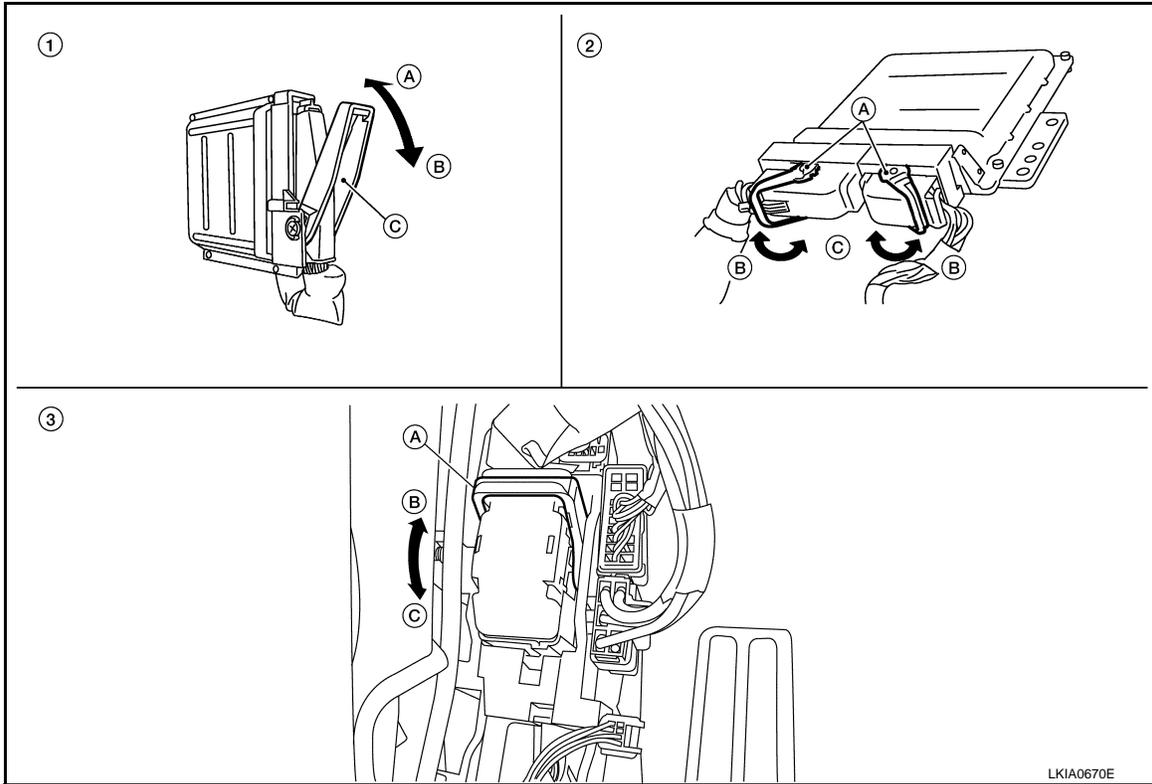
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COMPONENT PARTS

< 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.



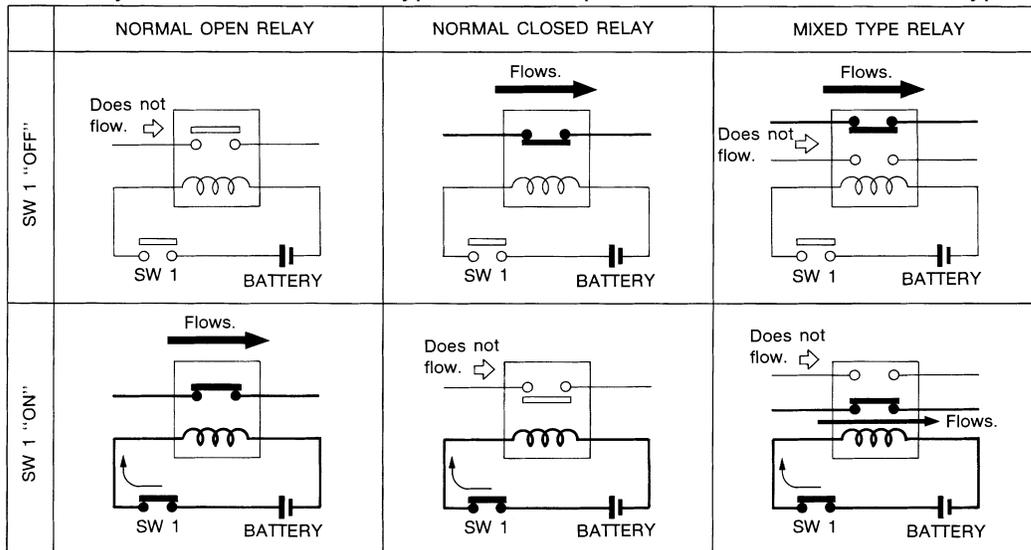
- | | | |
|--|--|---|
| <p>1. Control unit with single lever</p> <p>A. Fasten</p> <p>B. Loosen</p> <p>C. Lever</p> | <p>2. Control unit with dual levers</p> <p>A. Levers</p> <p>B. Fasten</p> <p>C. Loosen</p> | <p>3. SMJ connector</p> <p>A. Lever</p> <p>B. Fasten</p> <p>C. Loosen</p> |
|--|--|---|

Standardized Relay

INFOID:000000007578549

NORMAL OPEN, NORMAL CLOSED AND MIXED TYPE RELAYS

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



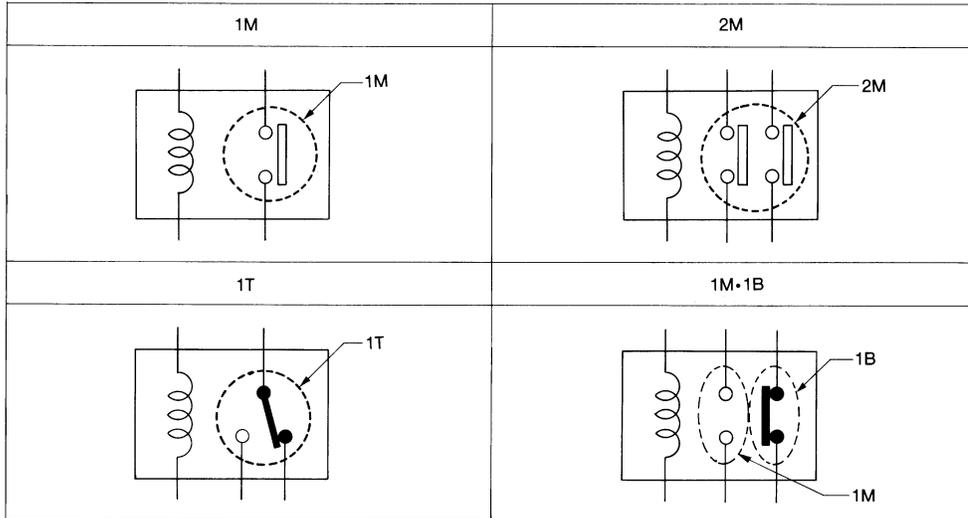
SEL881H

TYPE OF STANDARDIZED RELAYS

COMPONENT PARTS

< SYSTEM DESCRIPTION >

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

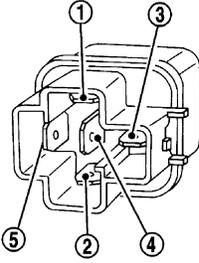
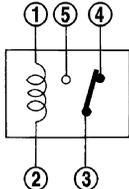
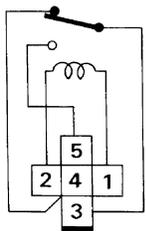
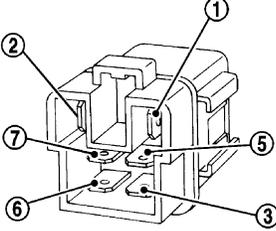
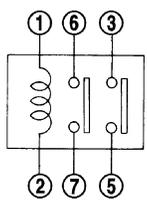
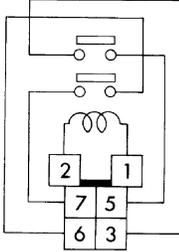
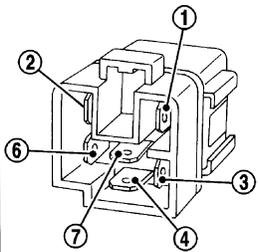
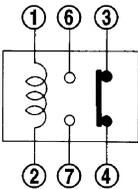
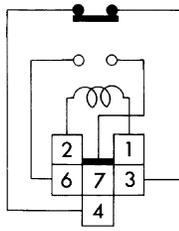
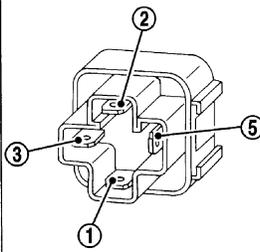
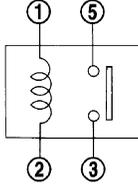
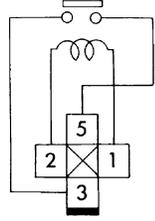
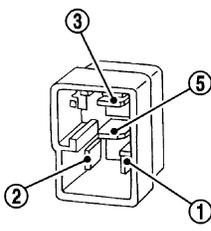
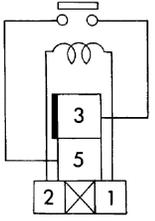


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COMPONENT PARTS

< SYSTEM DESCRIPTION >

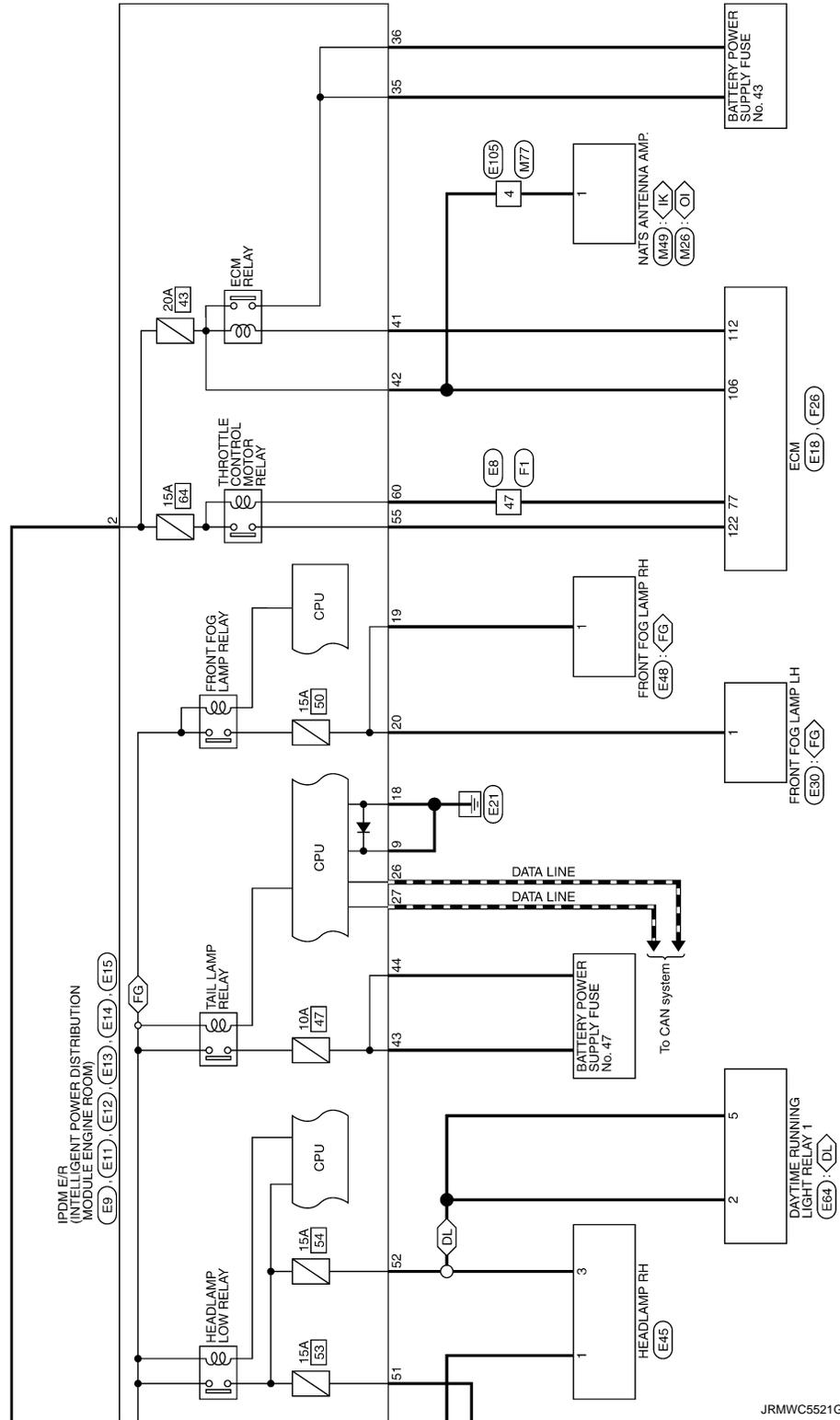
Type	Outer view	Circuit	Connector symbol and connection	Case color
1T				BLACK
2M				BROWN
1M*1B				GRAY
1M				BLUE
				

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

SEL188W

POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >



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POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

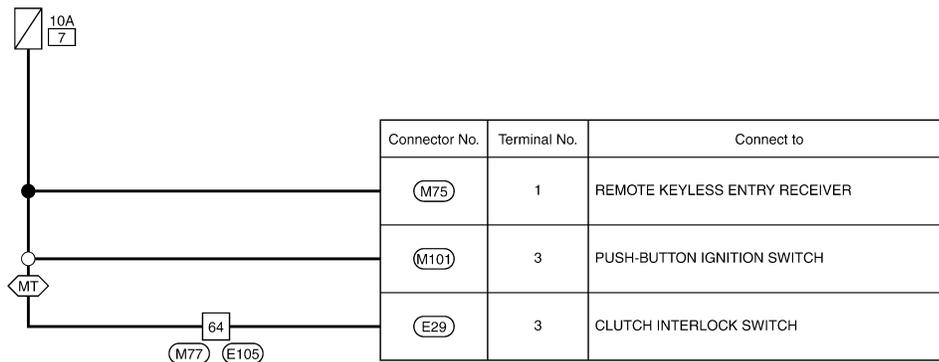
Wiring Diagram - BATTERY POWER SUPPLY FUSE No.7 -

INFOID:000000007578551

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

 : With M/T



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JRMWC5522GB

POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

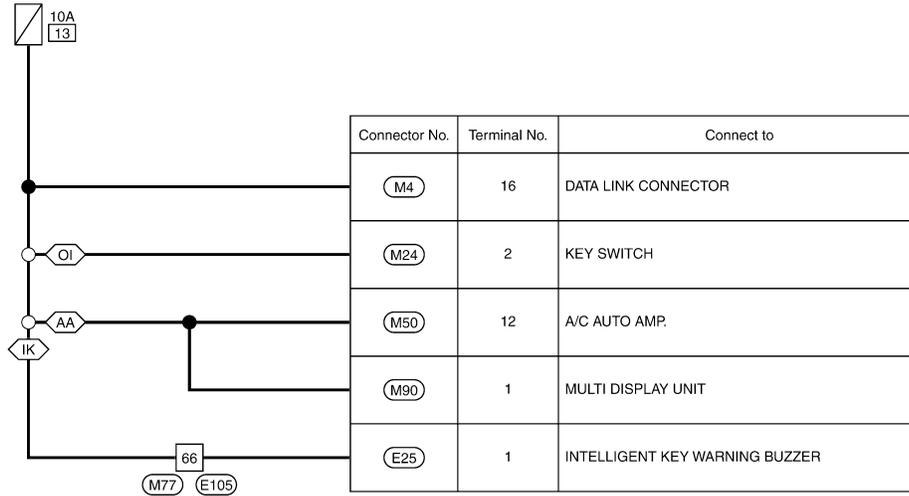
Wiring Diagram - BATTERY POWER SUPPLY FUSE No.13 -

INFOID:000000007578552

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

-  : With automatic A/C
-  : With Intelligent Key
-  : Without Intelligent Key



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POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

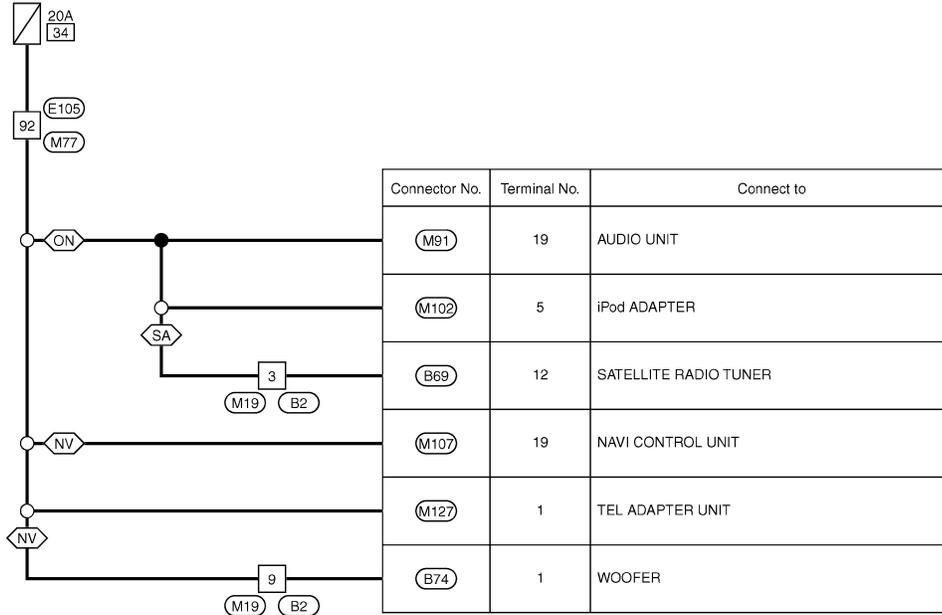
Wiring Diagram - BATTERY POWER SUPPLY FUSE No.34 -

INFOID:000000007578553

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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POWER SUPPLY ROUTING CIRCUIT

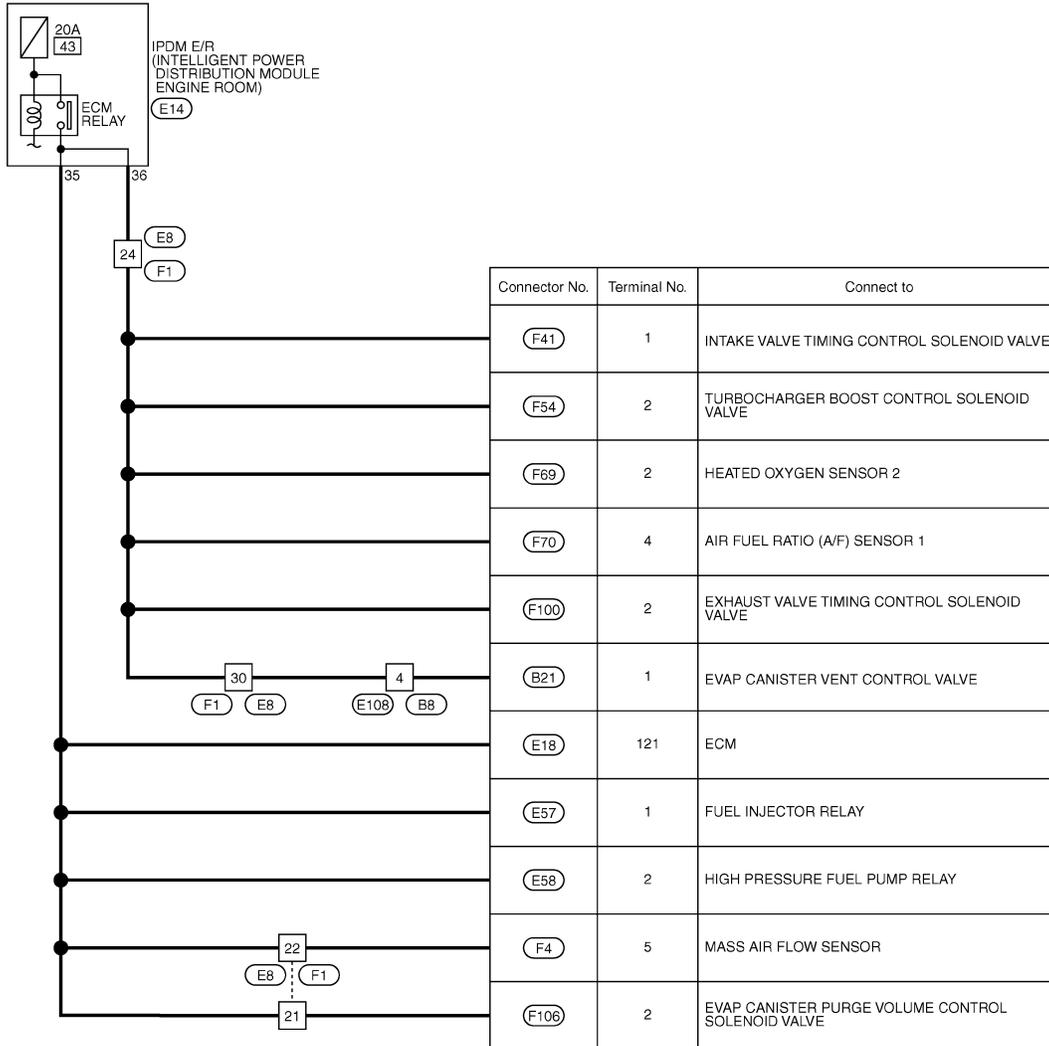
< WIRING DIAGRAM >

Wiring Diagram - BATTERY POWER SUPPLY FUSE No.43 -

INFOID:000000007578554

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



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POWER SUPPLY ROUTING CIRCUIT

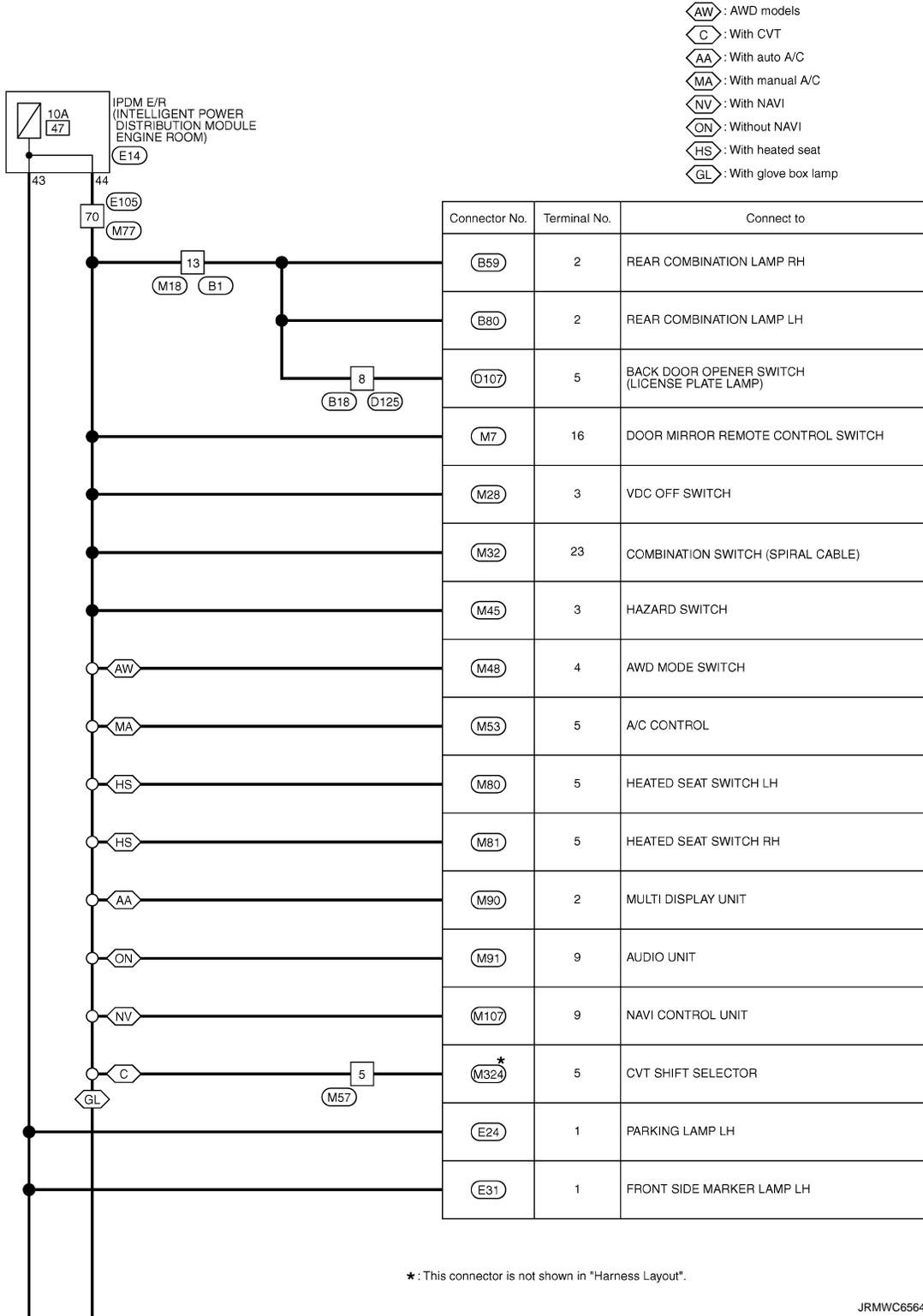
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Wiring Diagram - BATTERY POWER SUPPLY FUSE No.47 -

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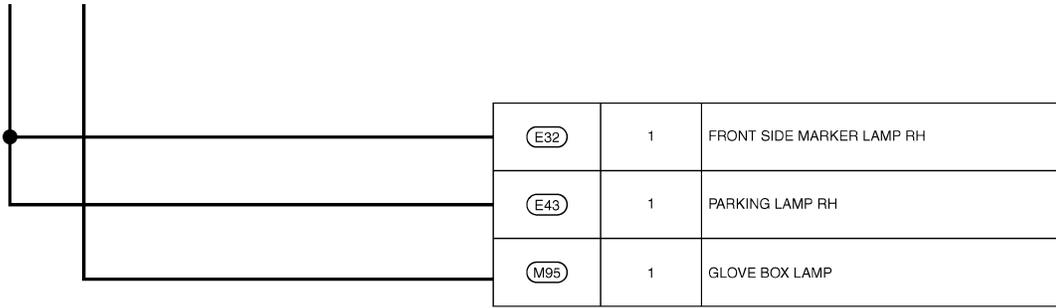
For connector terminal arrangements, harness layouts, and alphabets in a  (option abbreviation; if not described in wiring diagram), refer to [GI-12, "Connector Information"](#).

BATTERY POWER SUPPLY FUSE No. 47



POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >



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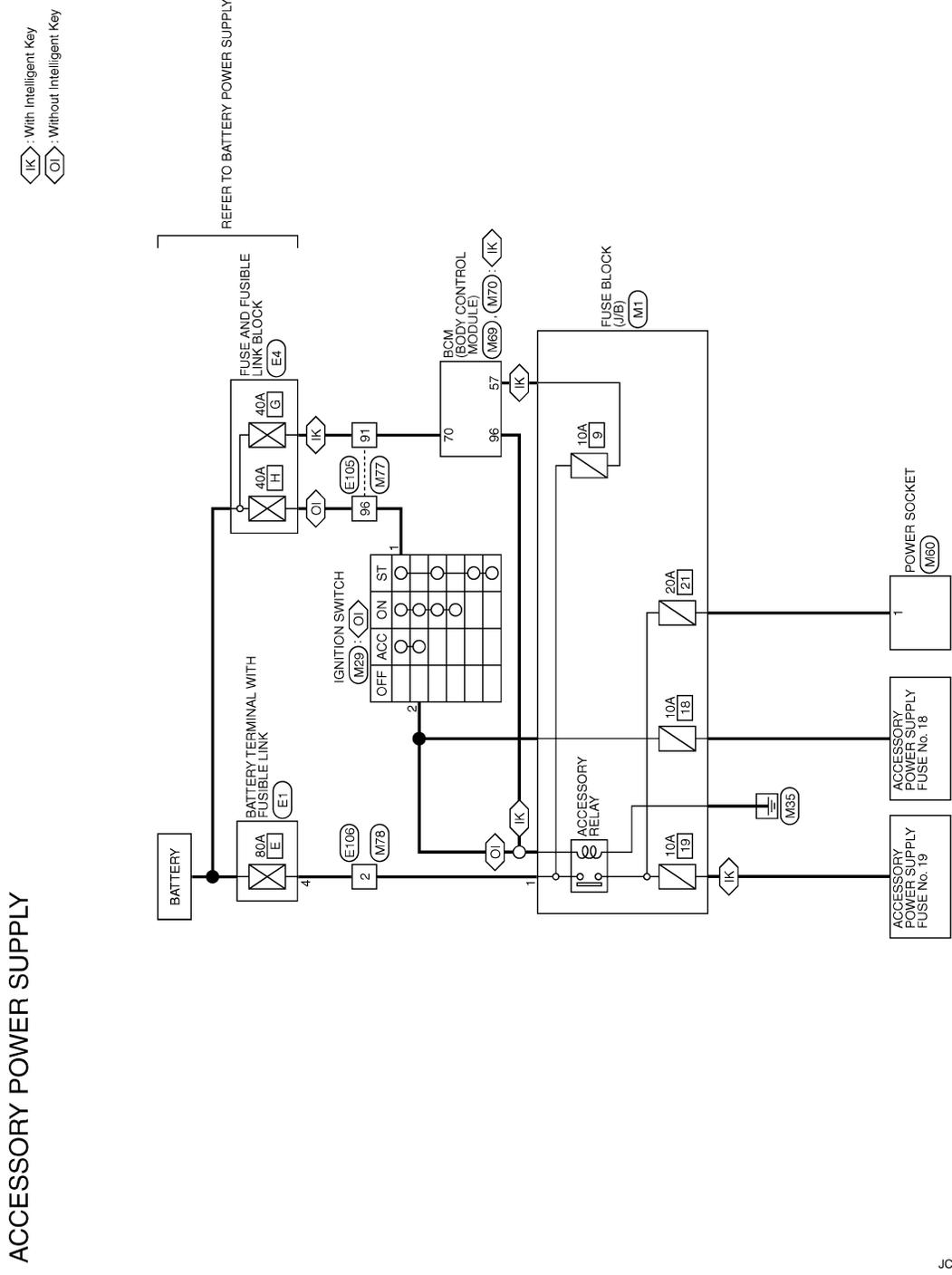
POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

Wiring Diagram - ACCESSORY POWER SUPPLY -

INFOID:000000007578556

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 >

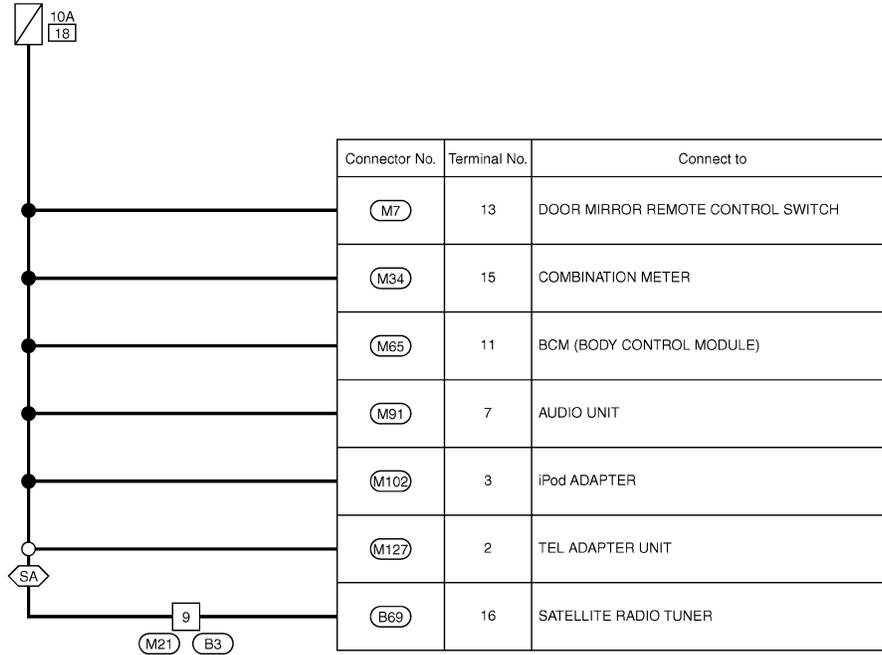
Wiring Diagram - ACCESSORY POWER SUPPLY FUSE No.18 -

INFOID:000000007578557

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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POWER SUPPLY ROUTING CIRCUIT

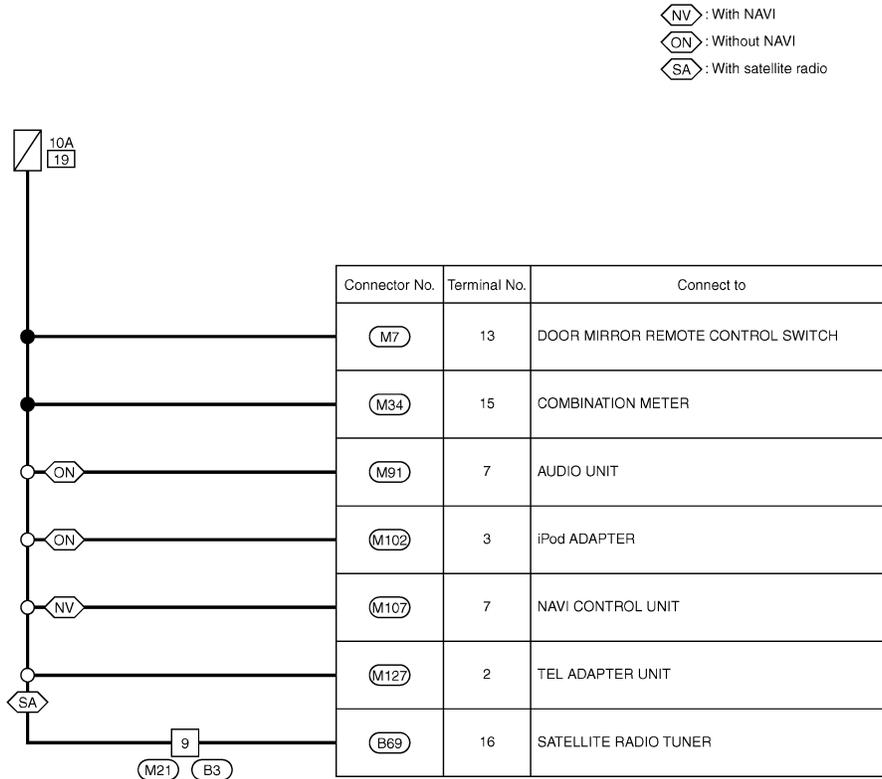
< WIRING DIAGRAM >

Wiring Diagram - ACCESSORY POWER SUPPLY FUSE No.19 -

INFOID:000000007578558

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



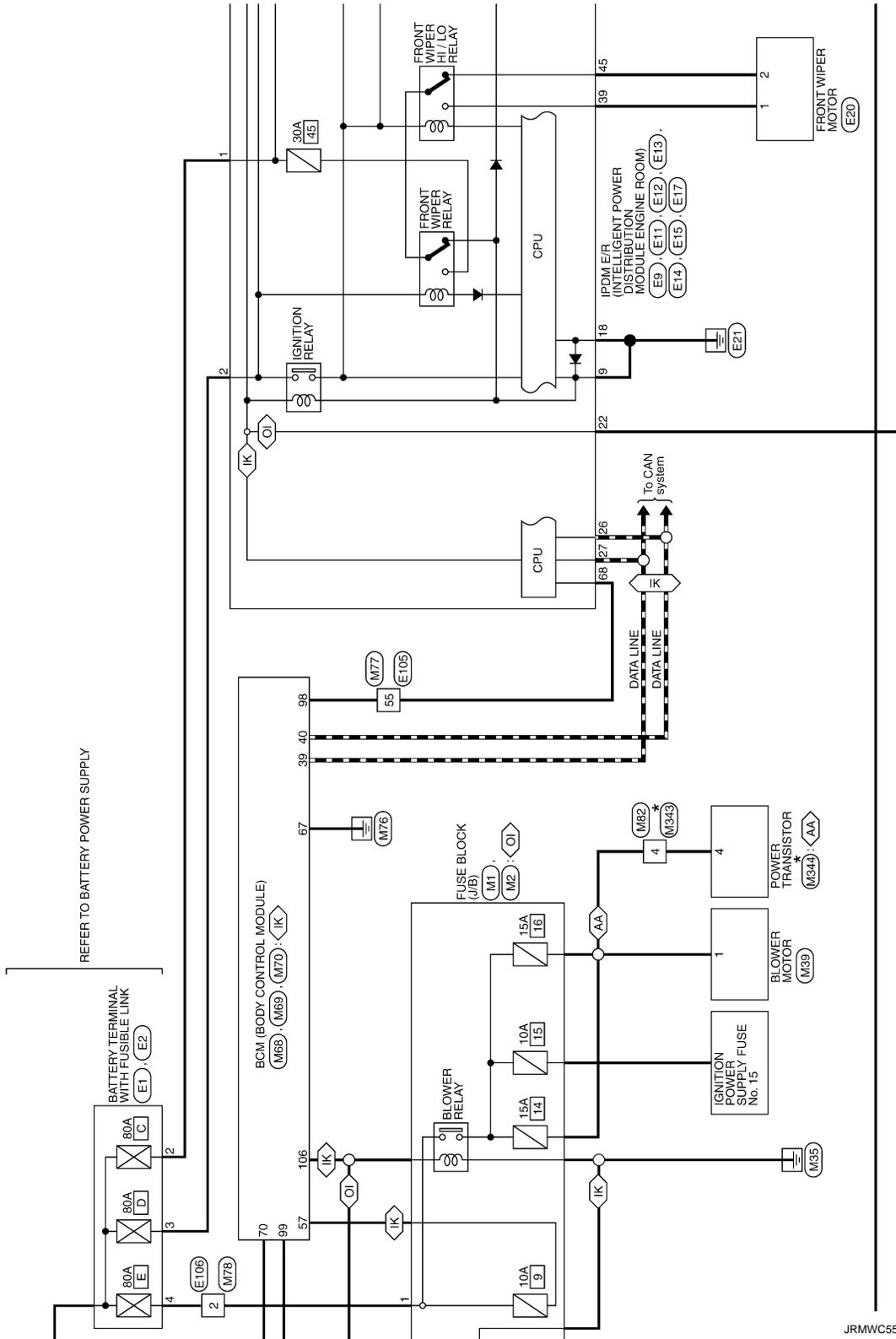
 : With NAVI
 : Without NAVI
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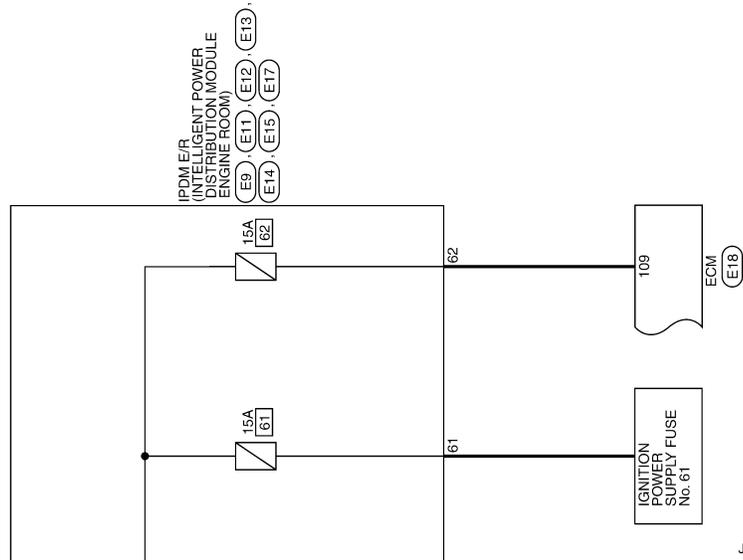
POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >



POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >



JRMWC5527GB

POWER SUPPLY ROUTING CIRCUIT

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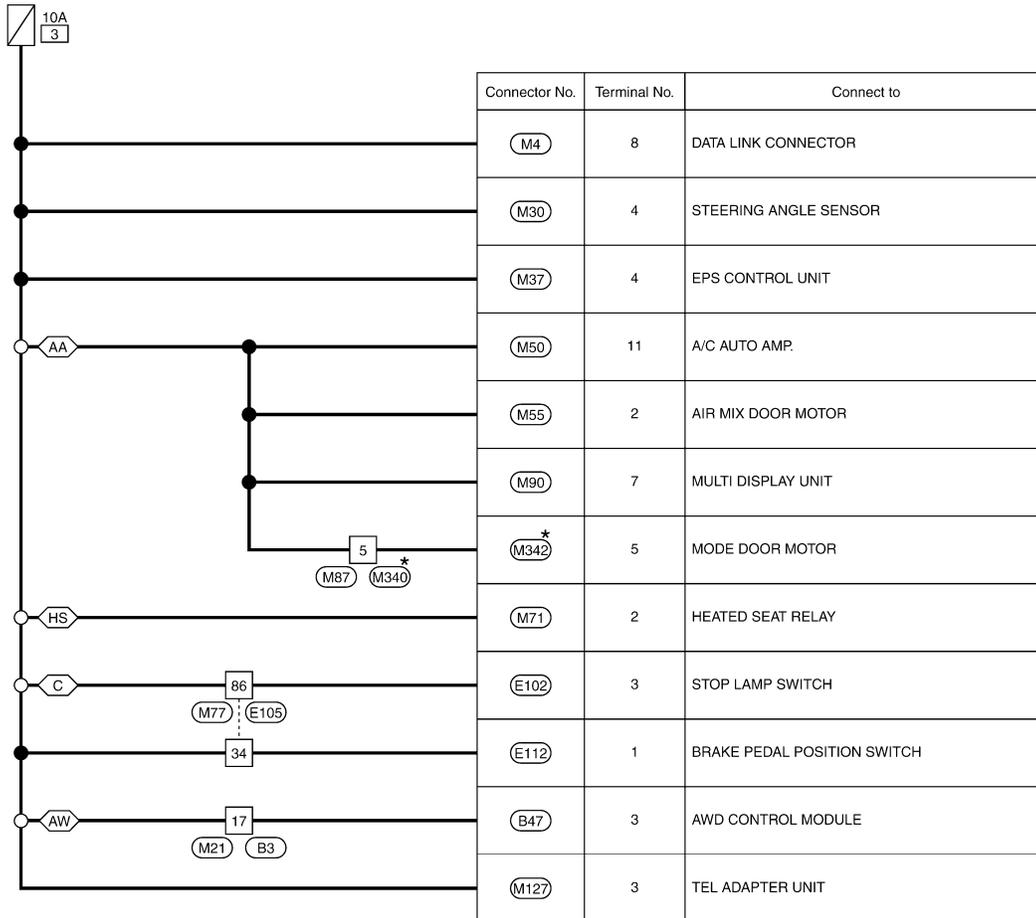
Wiring Diagram - IGNITION POWER SUPPLY FUSE No.3 -

INFOID:000000007578560

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".

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POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

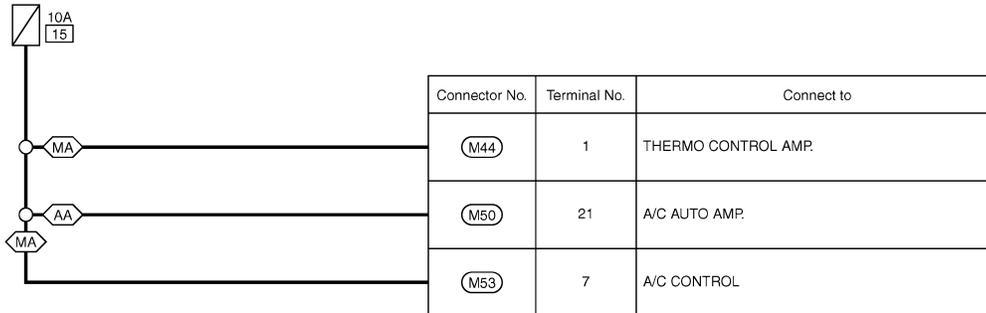
Wiring Diagram - IGNITION POWER SUPPLY FUSE No.15 -

INFOID:000000007578561

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



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POWER SUPPLY ROUTING CIRCUIT

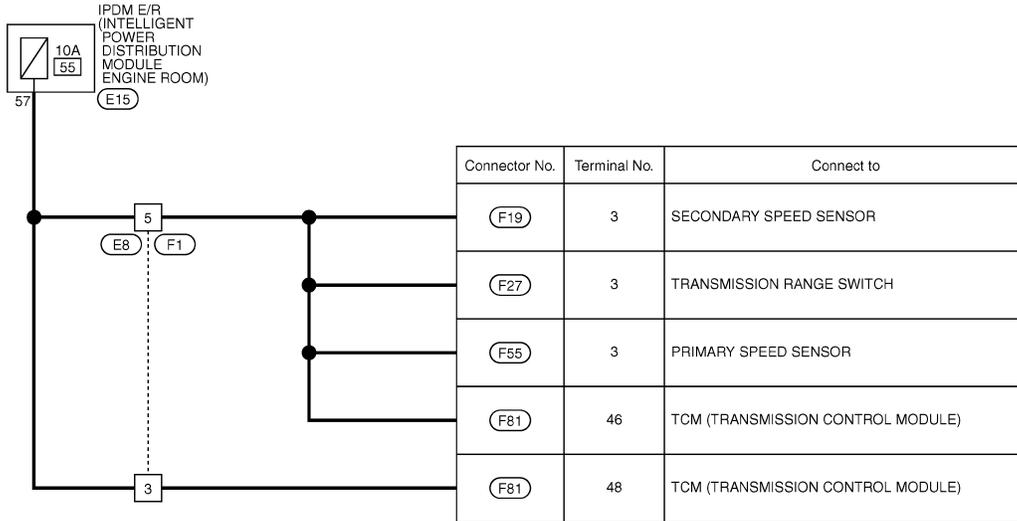
< WIRING DIAGRAM >

Wiring Diagram - IGNITION POWER SUPPLY FUSE No.55 -

INFOID:000000007578562

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

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POWER SUPPLY ROUTING CIRCUIT

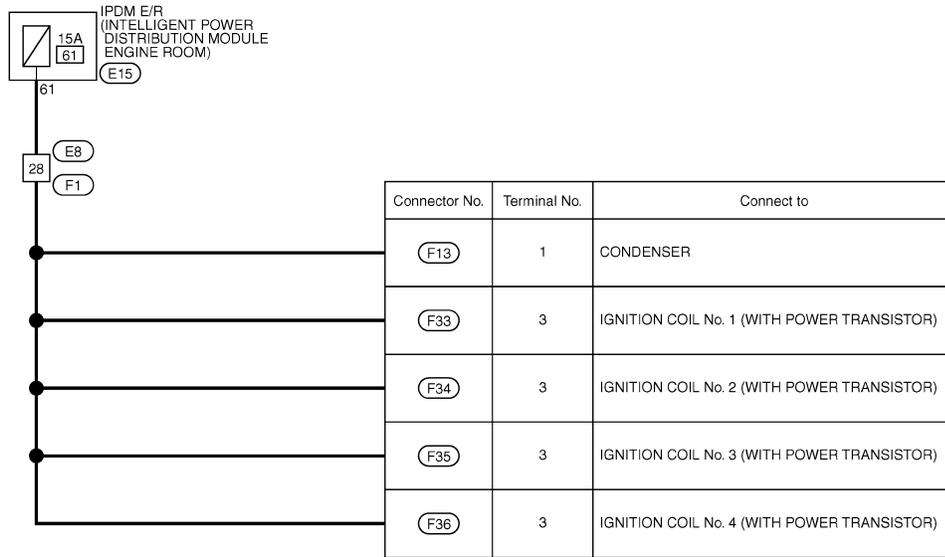
< WIRING DIAGRAM >

Wiring Diagram - IGNITION POWER SUPPLY FUSE No.61 -

INFOID:000000007578563

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

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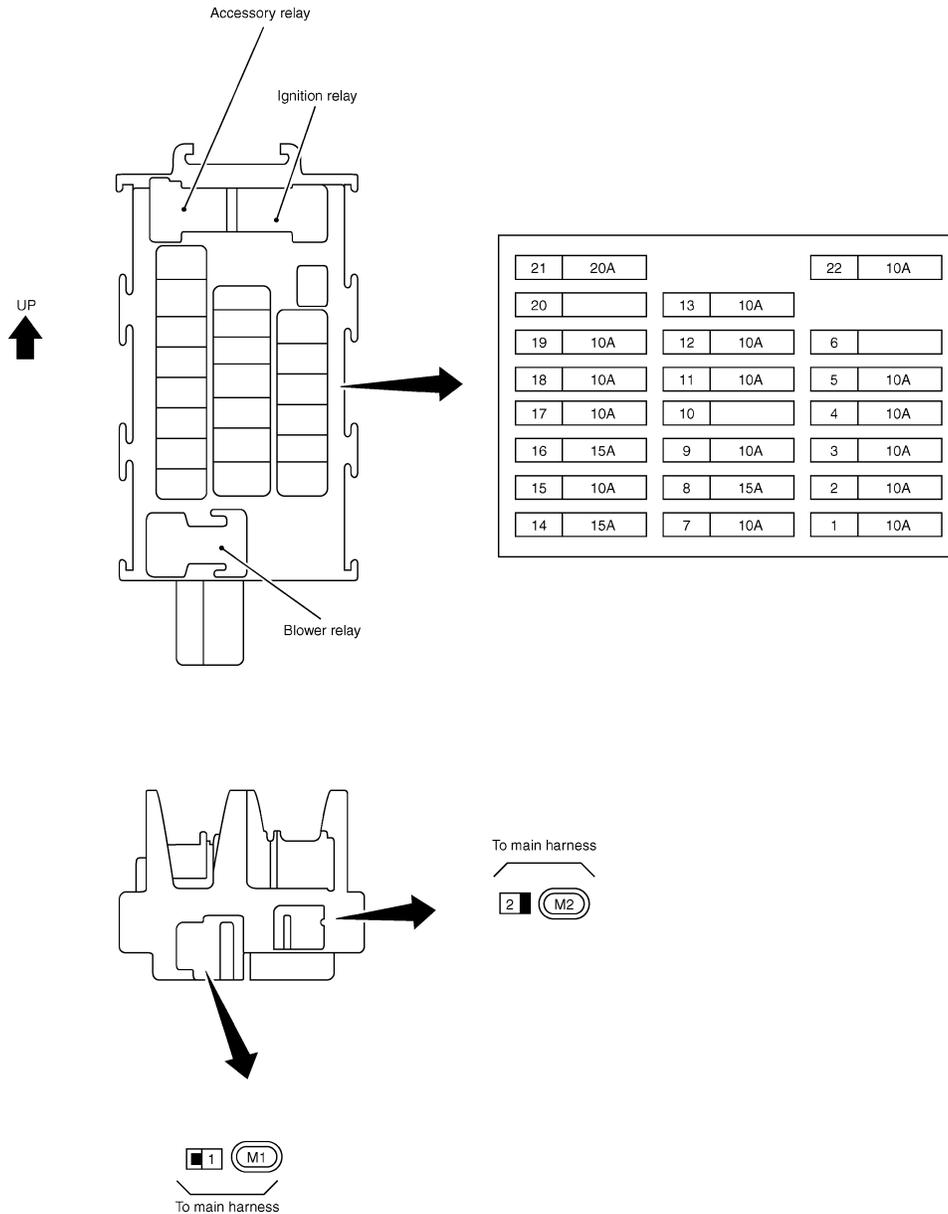
FUSE BLOCK - JUNCTION BOX (J/B)

< WIRING DIAGRAM >

FUSE BLOCK - JUNCTION BOX (J/B)

Fuse, Connector and Terminal Arrangement

INFOID:000000007578564



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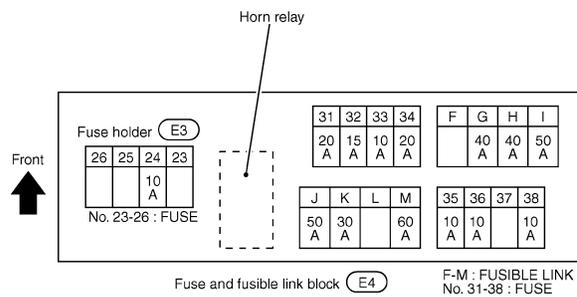
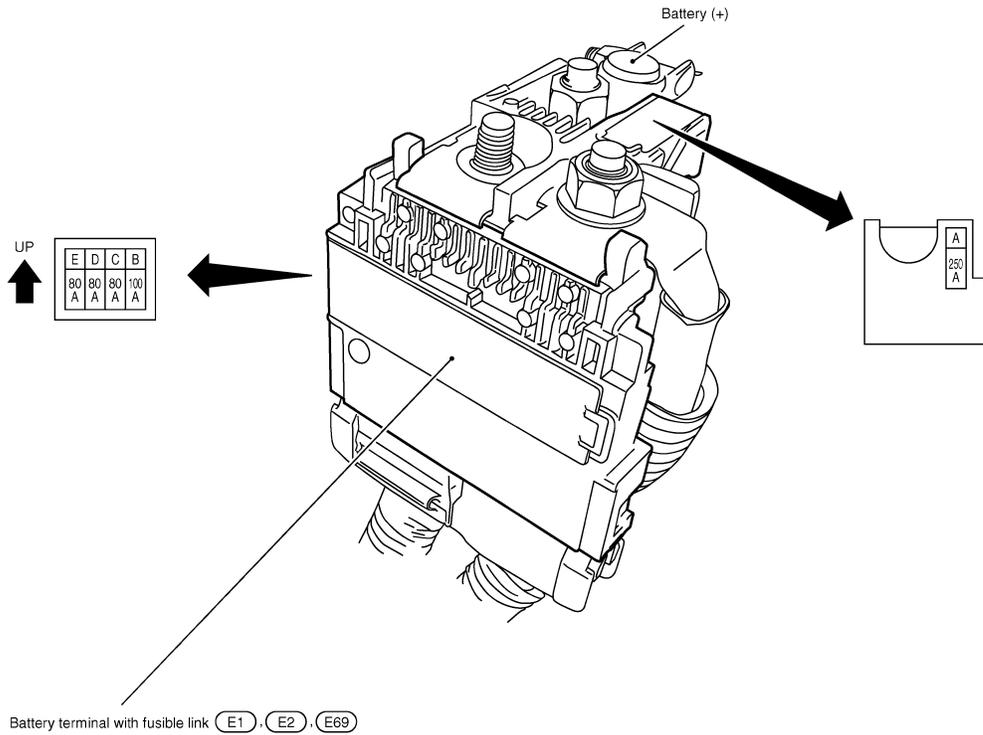
FUSE, FUSIBLE LINK AND RELAY BOX

< WIRING DIAGRAM >

FUSE, FUSIBLE LINK AND RELAY BOX

Fuse and Fusible Link Arrangement

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2010/08/30

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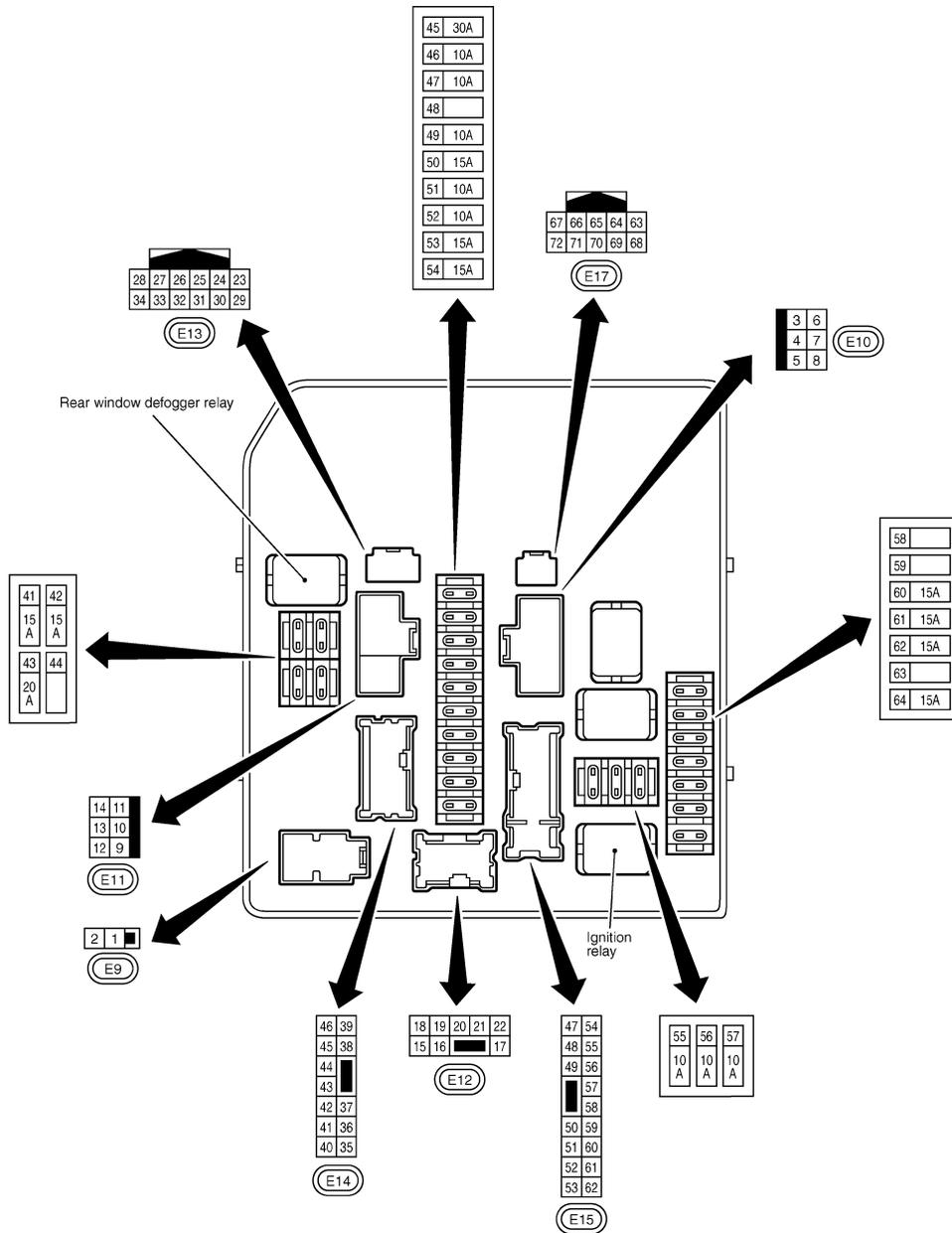
IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)

< WIRING DIAGRAM >

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

Fuse, Connector and Terminal Arrangement

INFOID:000000007578566



To engine room harness

2010/08/30

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HARNESS LAYOUT

< WIRING DIAGRAM >

HARNESS LAYOUT

How To Read Harness Layout

INFOID:000000007578567

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.	—			

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HARNESS LAYOUT

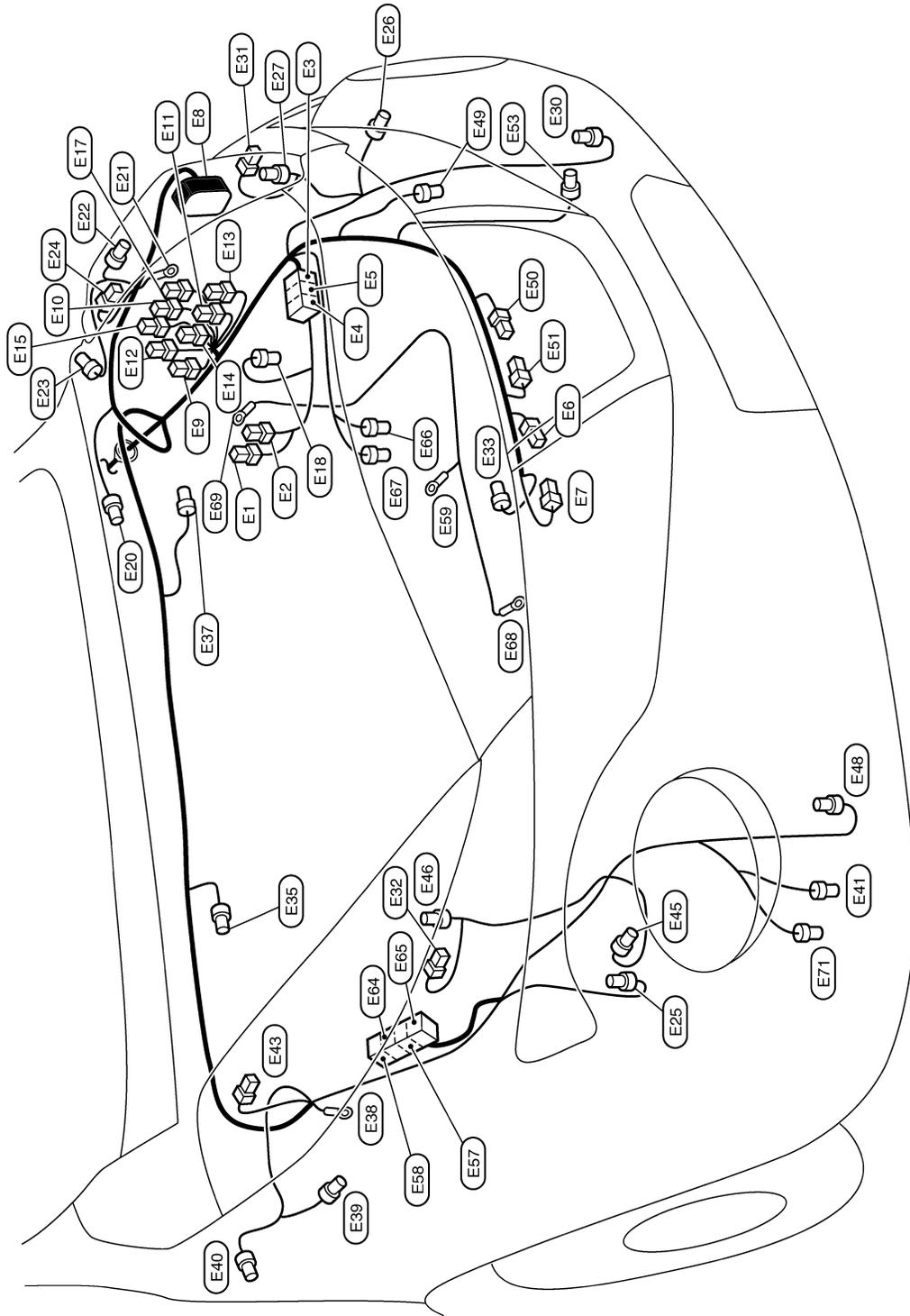
< WIRING DIAGRAM >

Engine Room Harness

INFOID:000000007578569

ENGINE COMPARTMENT

ENGINE ROOM HARNESS /
Engine Compartment



2010/09/03

JCMIA0811GB

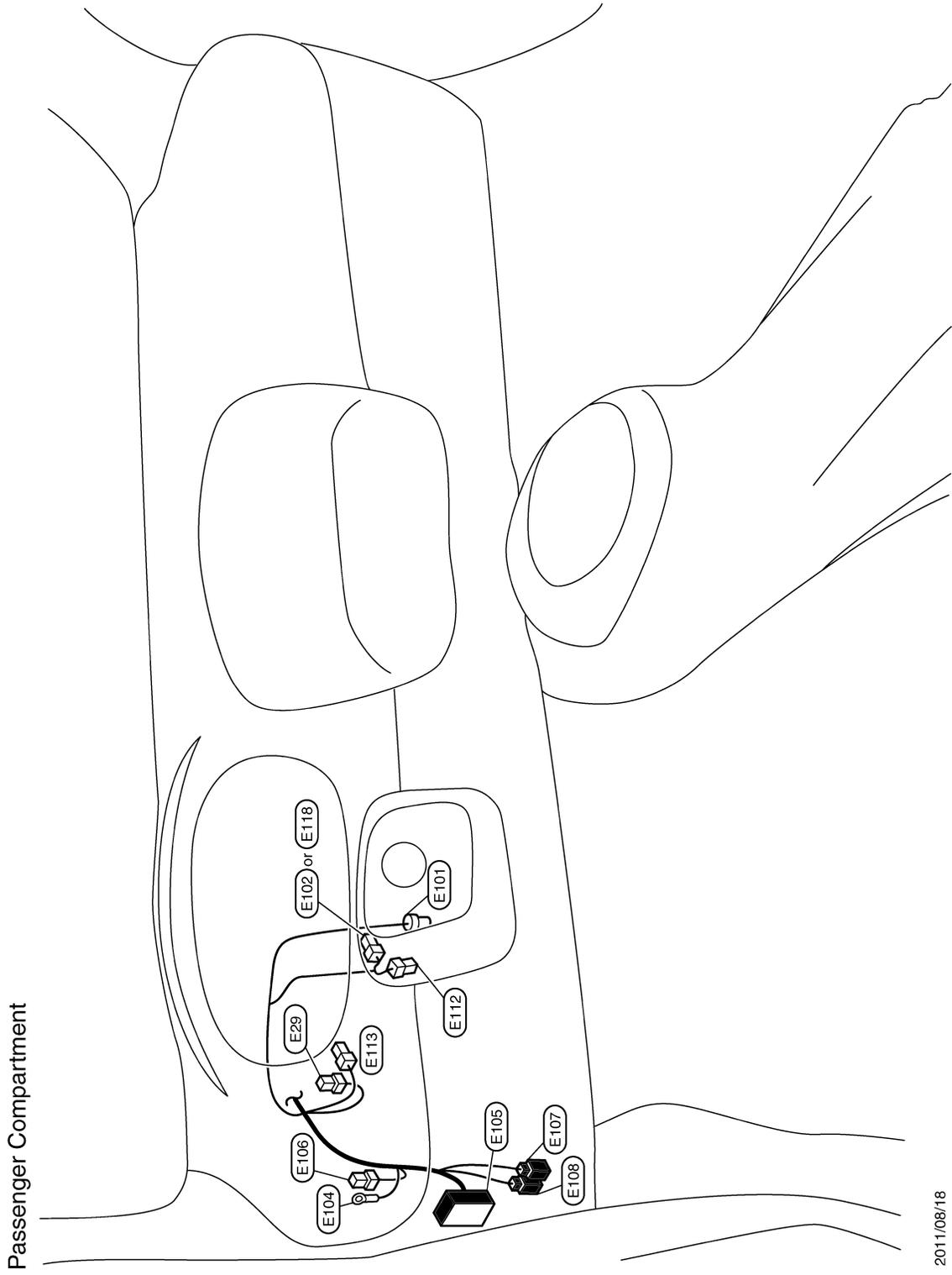
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HARNES LAYOUT

< WIRING DIAGRAM >

PASSENGER COMPARTMENT



Passenger Compartment

2011/08/18

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HARNESS LAYOUT

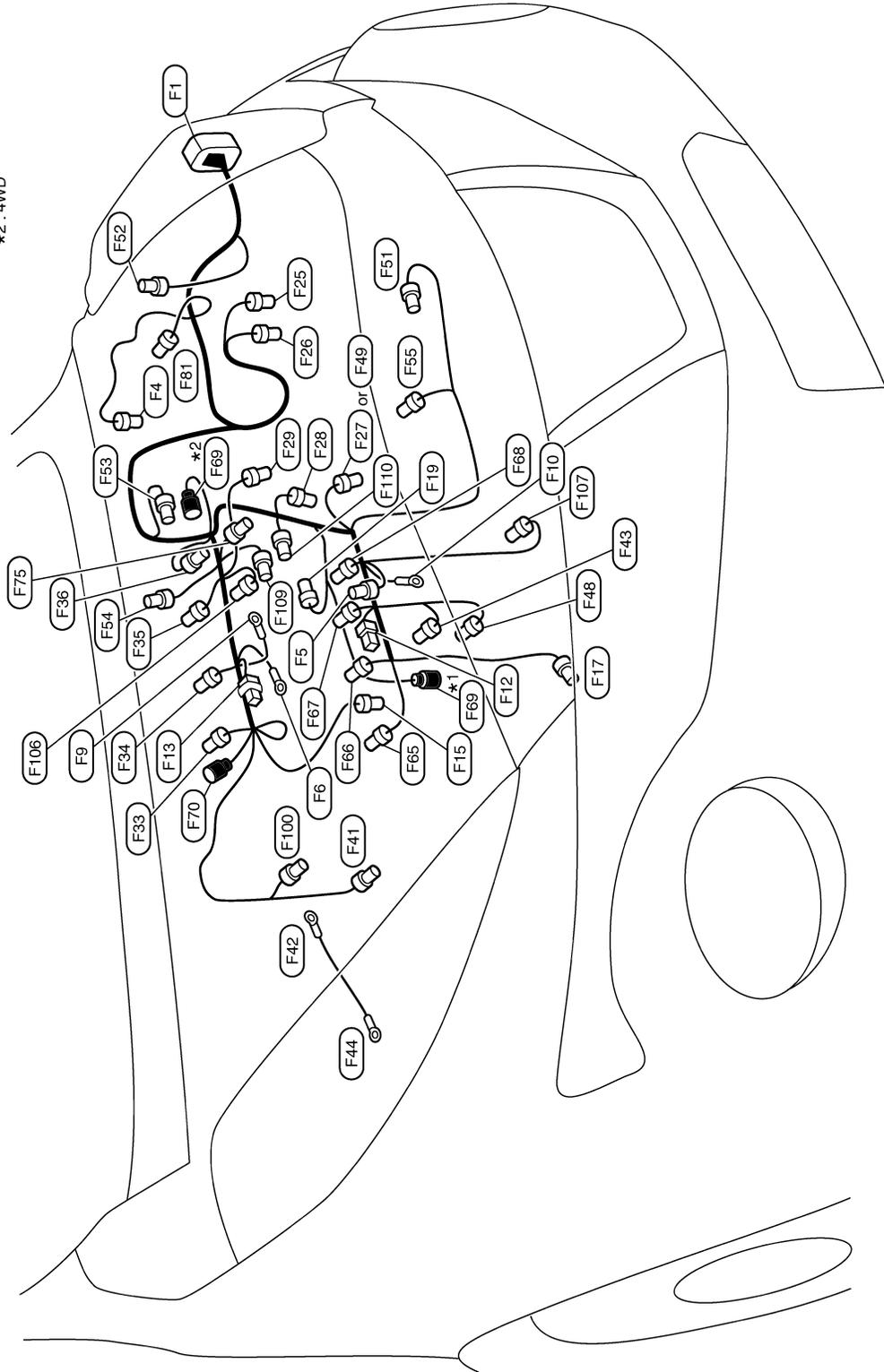
< WIRING DIAGRAM >

Engine Control Harness

INFOID:000000007578570

ENGINE CONTROL HARNESS

*1 : 2WD
*2 : 4WD



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2011/08/18

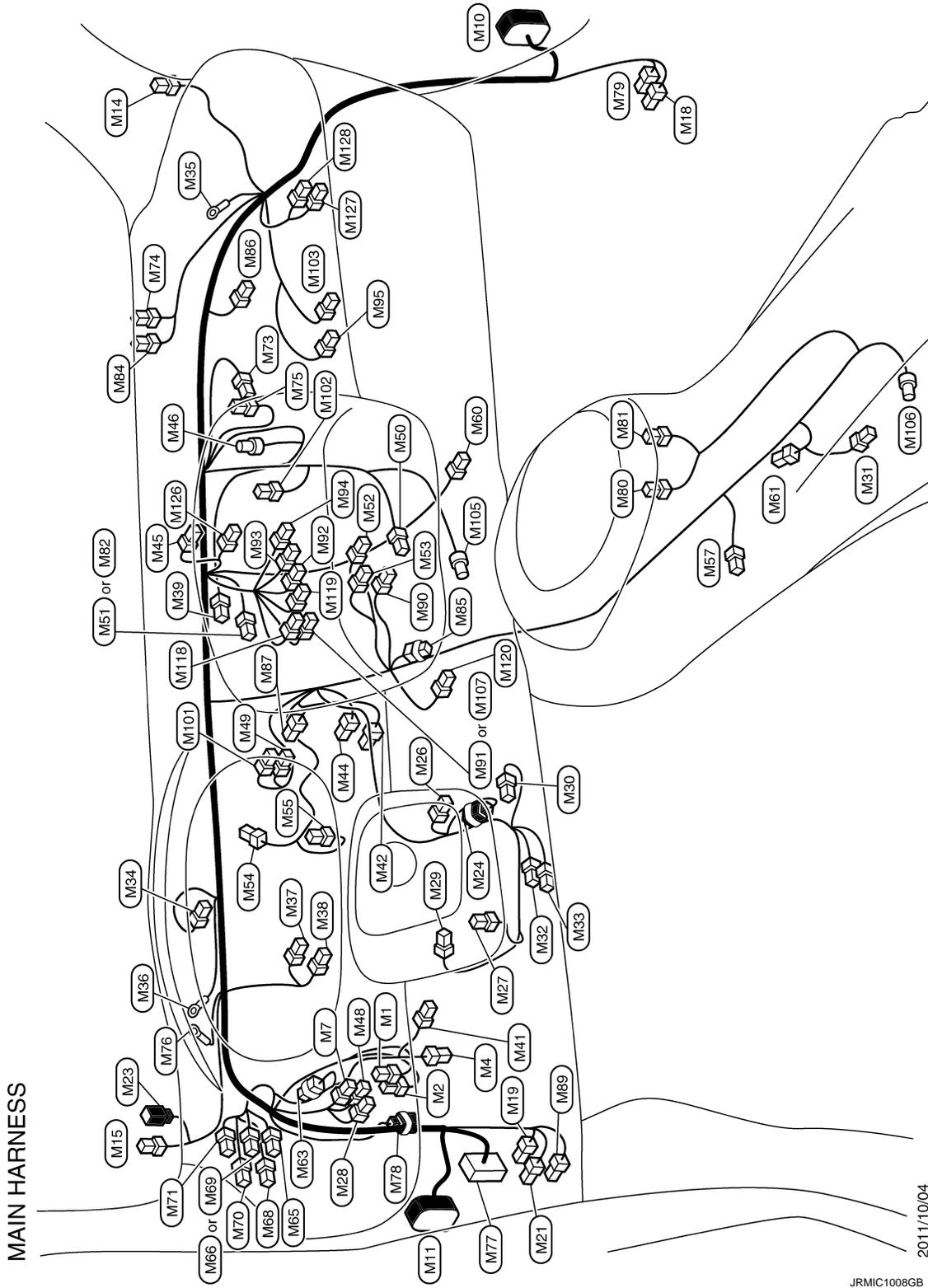
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HARNESS LAYOUT

< WIRING DIAGRAM >

Main Harness

INFOID:000000007578571



MAIN HARNESS

2011/10/04

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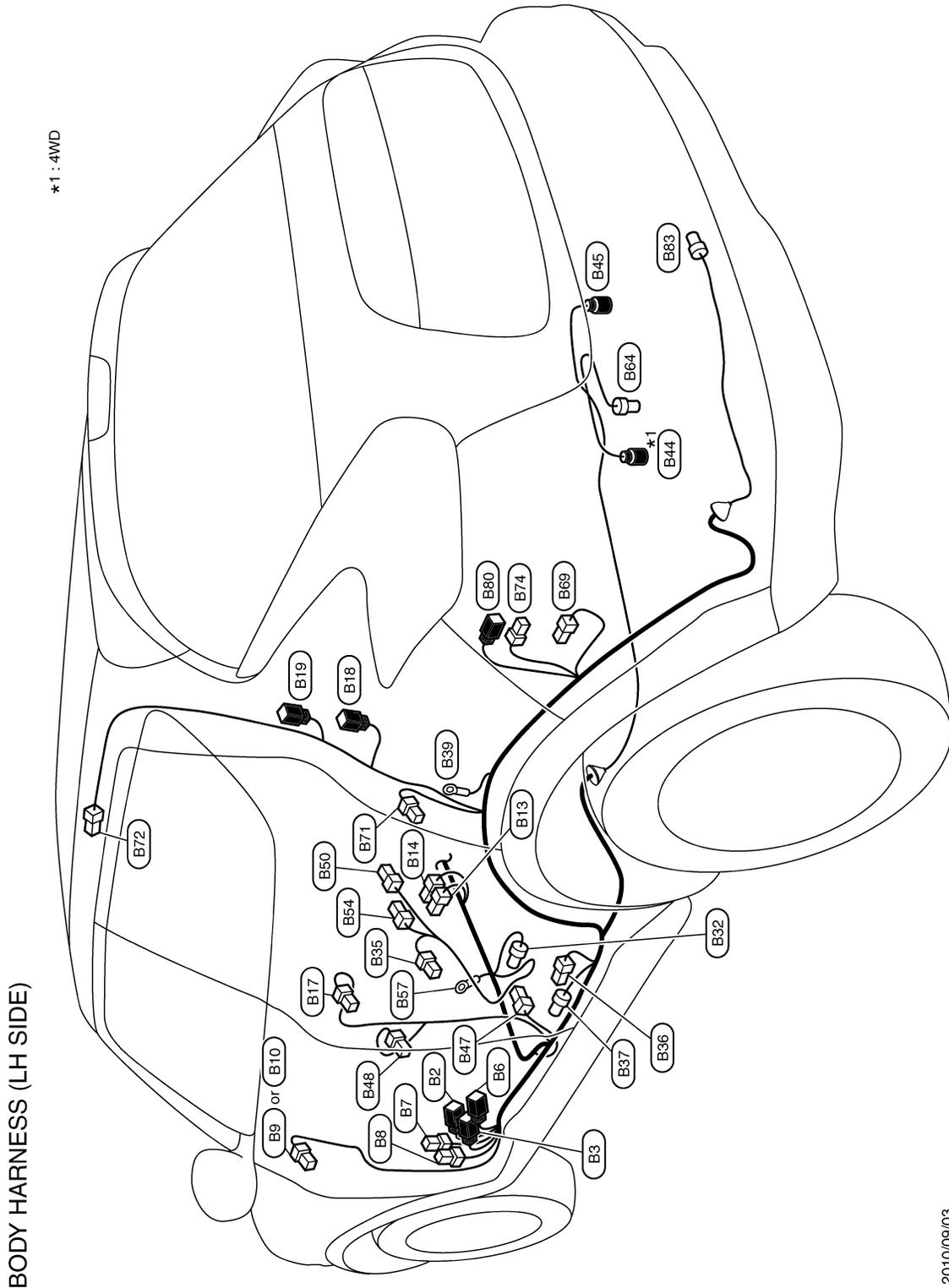
HARNES LAYOUT

< WIRING DIAGRAM >

Body Harness

INFOID:000000007578572

LH SIDE



BODY HARNESS (LH SIDE)

*1: 4WD

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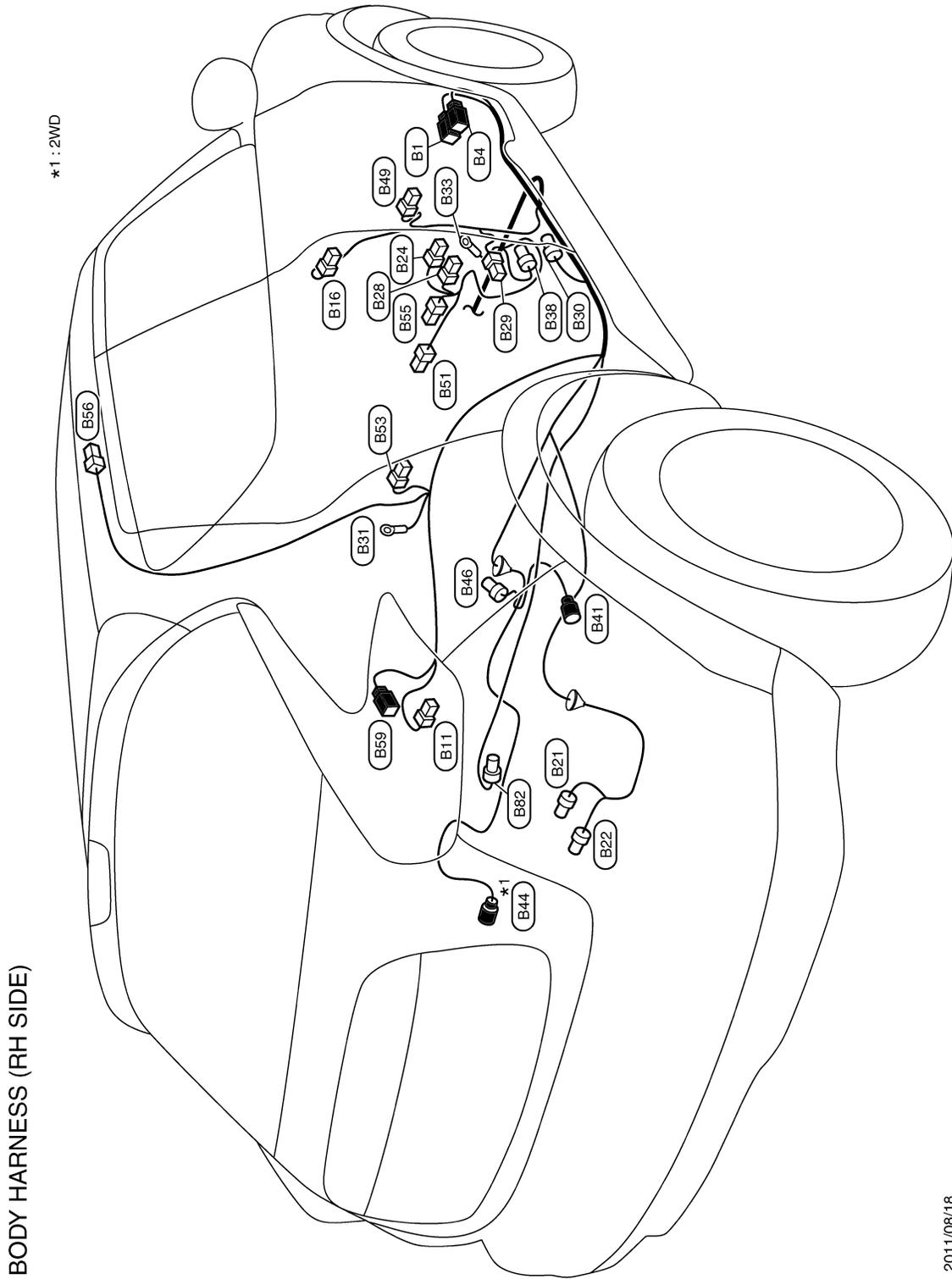
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HARNES LAYOUT

< WIRING DIAGRAM >

RH SIDE



BODY HARNESS (RH SIDE)

HARNES LAYOUT

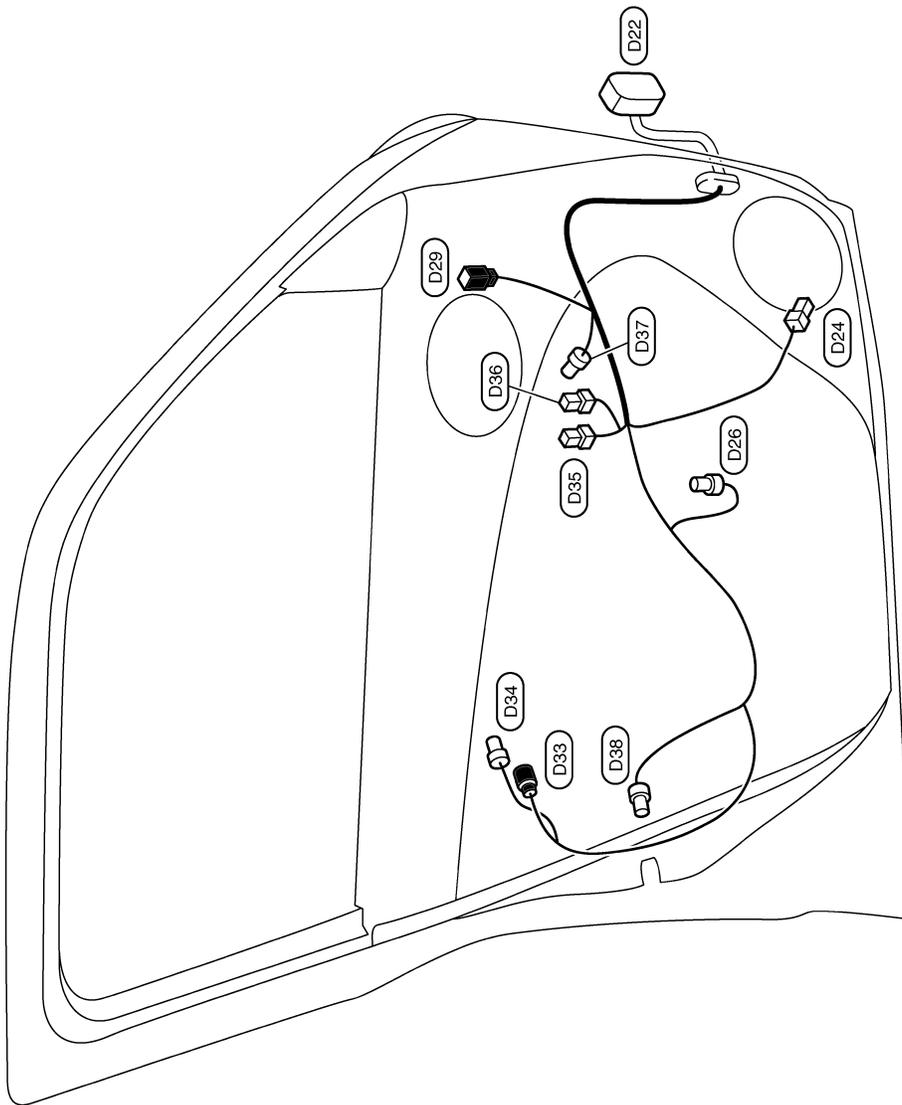
< WIRING DIAGRAM >

Door Harness

INFOID:000000007578573

FRONT DOOR HARNESS (LH SIDE)

FRONT DOOR HARNESS (LH SIDE)



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2011/08/18

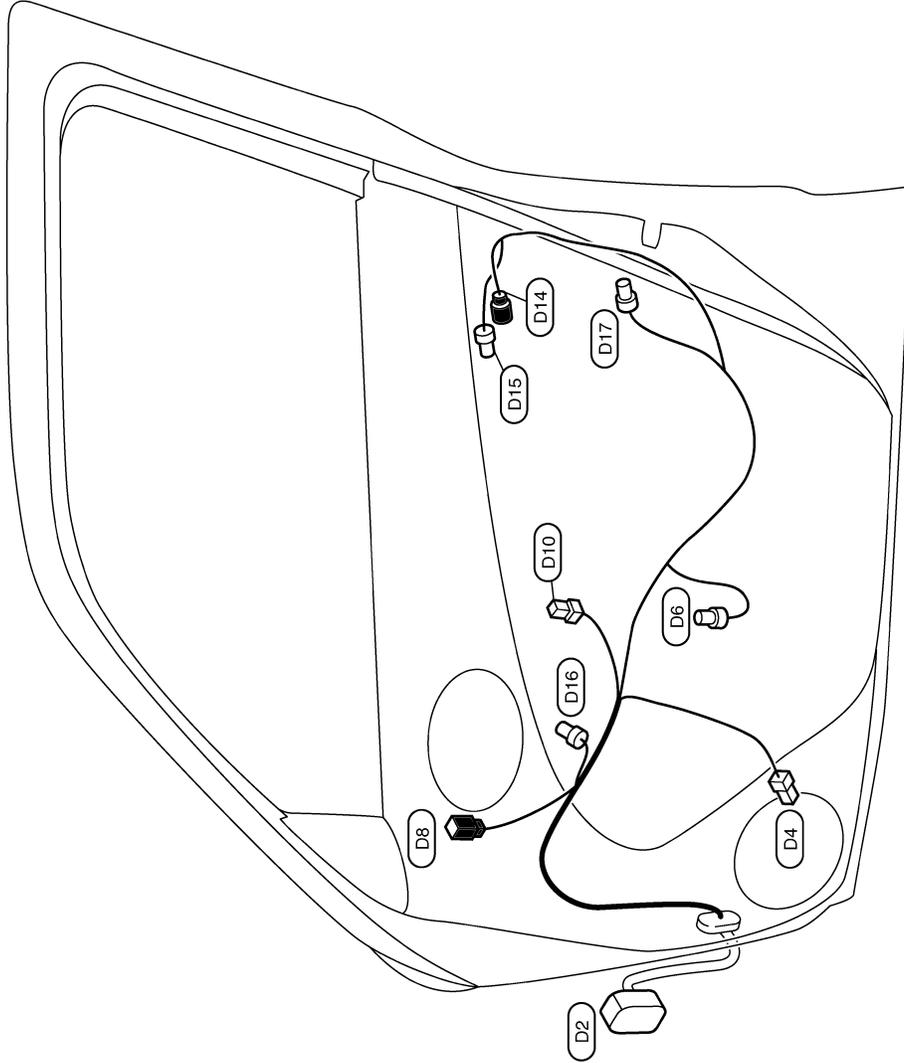
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HARNES LAYOUT

< WIRING DIAGRAM >

FRONT DOOR HARNESS (RH SIDE)

FRONT DOOR HARNESS (RH SIDE)



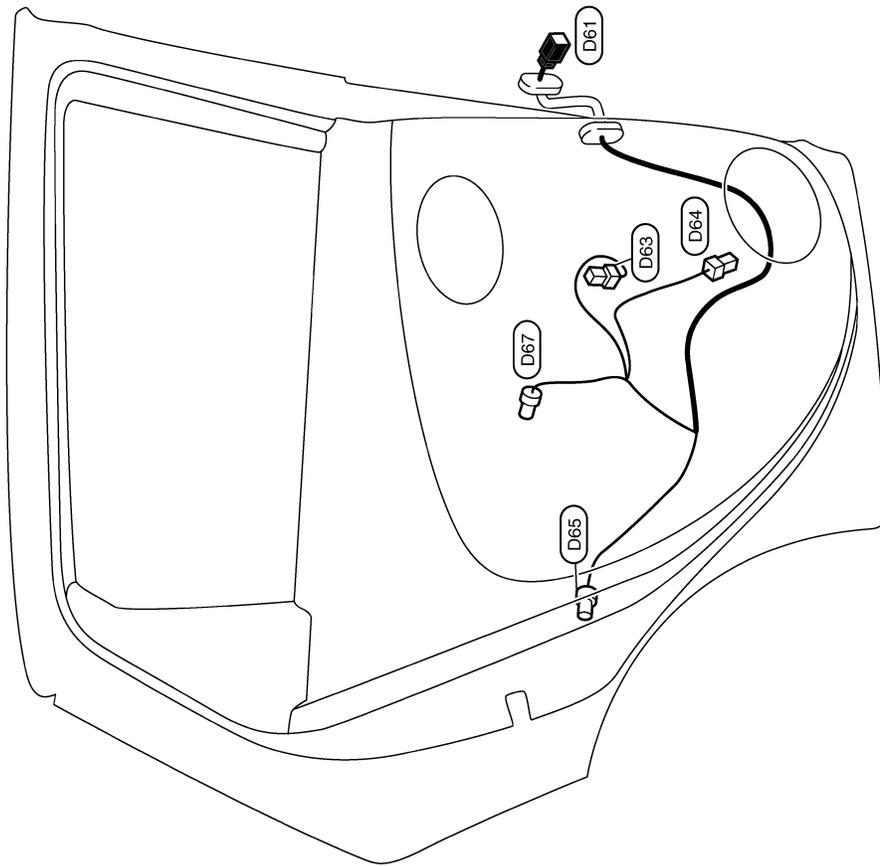
2011/08/18

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HARNES LAYOUT

< WIRING DIAGRAM >

REAR DOOR HARNES (LH SIDE)



REAR DOOR HARNES (LH SIDE)

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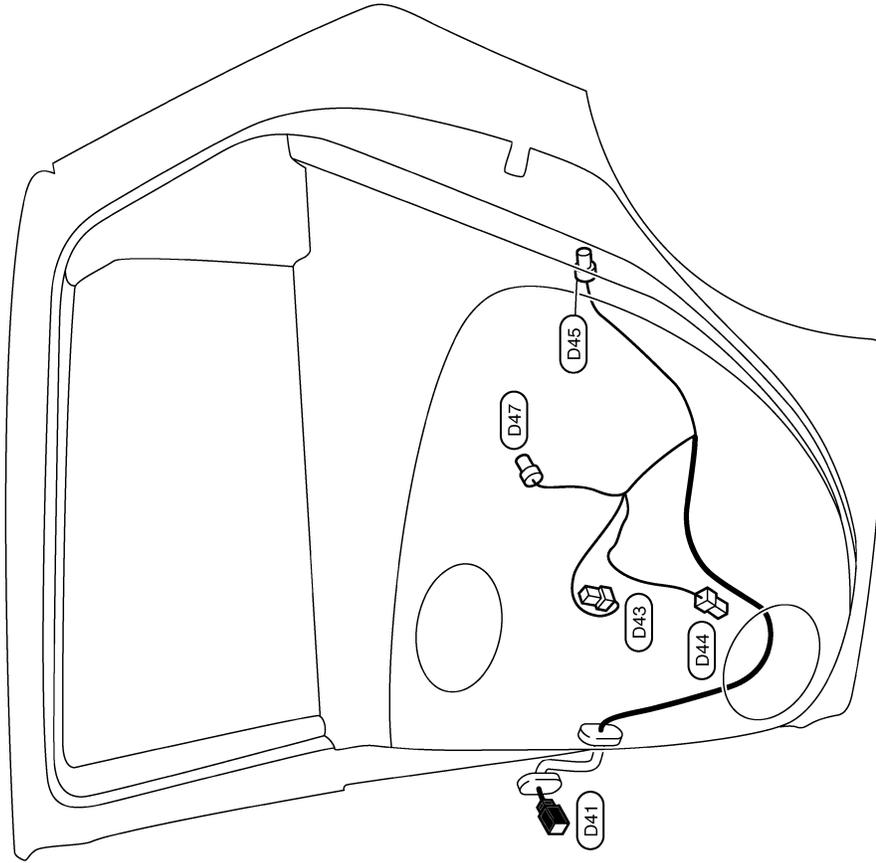
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HARNES LAYOUT

< WIRING DIAGRAM >

REAR DOOR HARNES (RH SIDE)

REAR DOOR HARNES (RH SIDE)

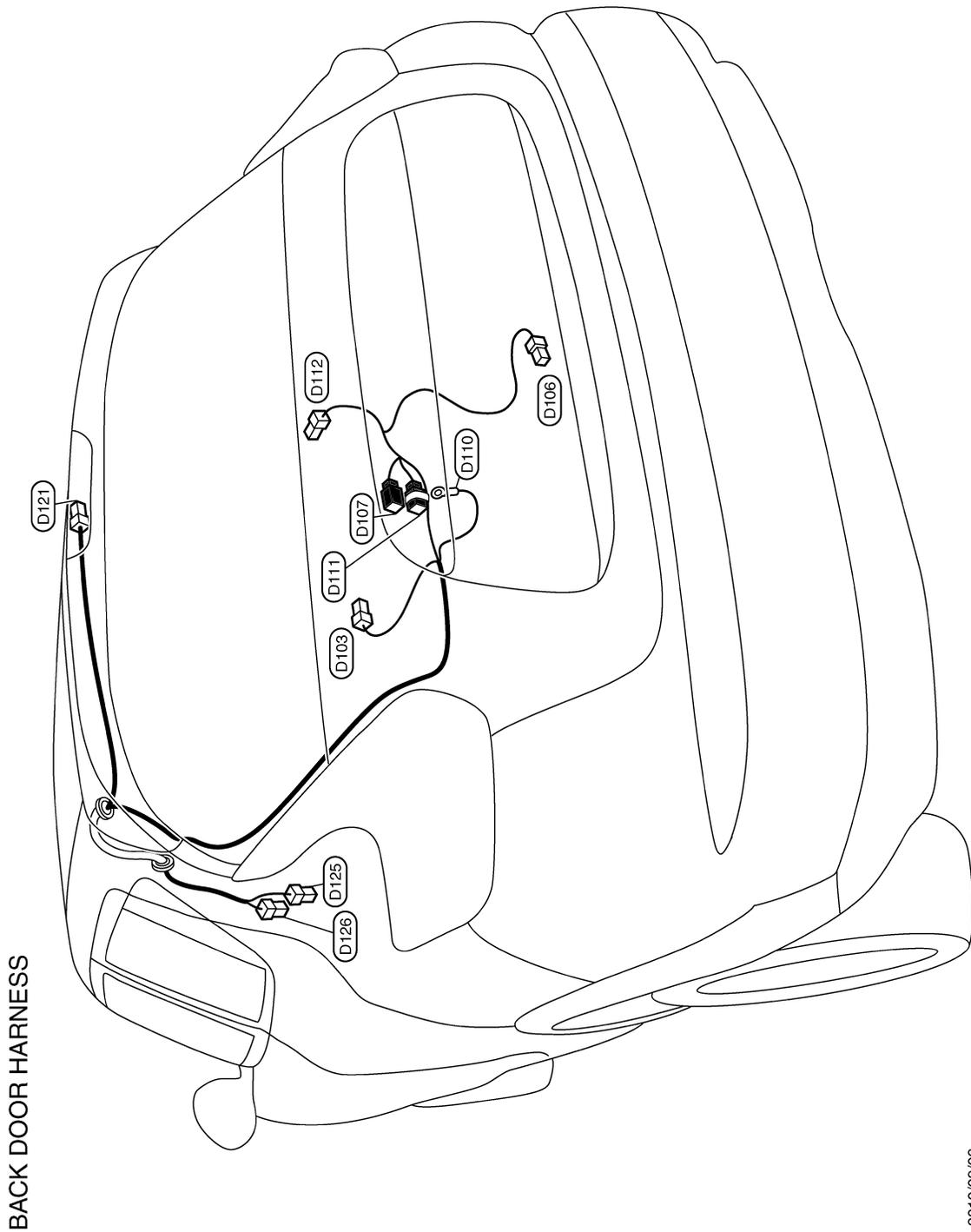


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HARNES LAYOUT

< WIRING DIAGRAM >
BACK DOOR HARNESS



2010/09/03

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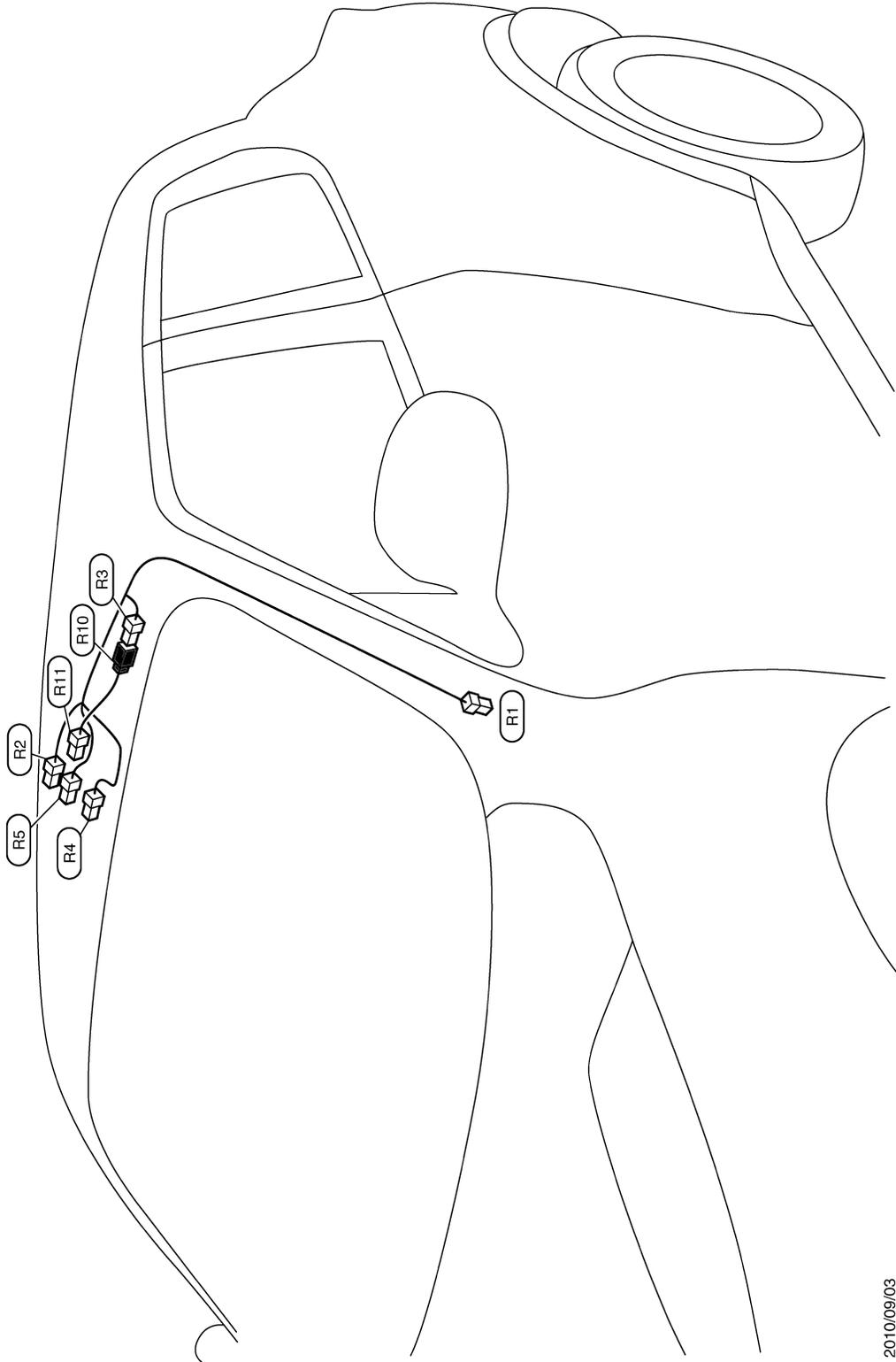
HARNES LAYOUT

< WIRING DIAGRAM >

Room Lamp Harness

INFOID:000000007578574

ROOM LAMP HARNESS



2010/09/03

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CONNECTOR INFORMATION

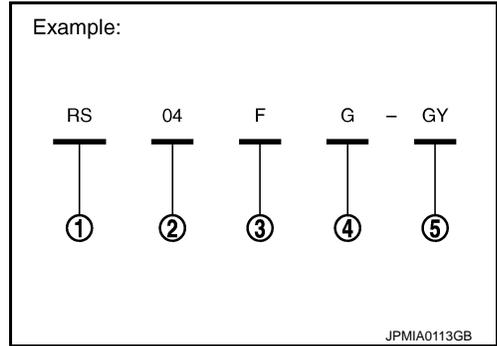
< WIRING DIAGRAM >

CONNECTOR INFORMATION

How to Read Connector Type

INFOID:000000007828185

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



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CONNECTOR INFORMATION

< WIRING DIAGRAM >

B Body Harness

INFOID:000000007628186

BODY HARNESS

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



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

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



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

Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
2	L	-
3	BR	-
4	Y	-
6	SB	-
7	V	-
6	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	TH42MW-NH



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

Terminal No.	Color of Wire	Signal Name [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



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

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



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

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



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

Terminal No.	Color of Wire	Signal Name [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	NS04FW-CS



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

CONNECTOR INFORMATION

< WIRING DIAGRAM >

BODY HARNESS

Connector No.	B10
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	FEA08FE-FHAF-SA



43	44	45	47	48	49
50	51	53	54	55	

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



33	36	37	32
28	26	47	48
55	47	48	23
11	10		

Connector No.	B10
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	FEA08FE-FHAF-SA



43	44	45	46	47	48	49
51	53	54	55			

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 LH DOOR SW
47	SB	DRIVER DOOR SW
48	BR	REAR RH DOOR SW
49	V	REAR LH DOOR SW
51	Y	LUGGAGE LAMP OUTPUT
53	GR	BK DOOR OPEN SW
54	P	REAR WIPER OUTPUT
55	G	RR DOOR UNLK OUTPUT

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



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

Connector No.	B13
Connector Name	AR BAG DIAGNOSIS SENSOR UNIT
Connector Type	NHZZFY-IV-EX



33	36	37	32
28	26	47	48
55	47	48	23
11	10		

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



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

Connector No.	B14
Connector Name	AR BAG DIAGNOSIS SENSOR UNIT
Connector Type	NHZZFY-2V-EX



33	34	38	37
12	13	39	39
49	49	49	49

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	CLH (+)
38	Y/B	CLH (-)
49	P	SATELLITE LH (+)
50	L	SATELLITE LH (-)

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



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

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

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



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

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



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

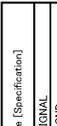
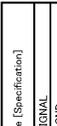
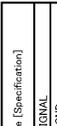
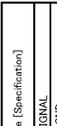
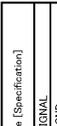
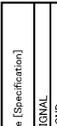
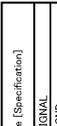
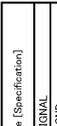
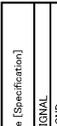
Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	LG	-
3	P	-
4	GR	-
5	P	-
6	Y	-
7	L	-
8	GR	-
8	GR	SHIELD
10	W	-
11	R	-
12	B	-

JRMWC5530GB

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CONNECTOR INFORMATION

< WIRING DIAGRAM >

Connector No.	Color of Wire	Terminal No.	Signal Name [Specification]
B13			
WIRE TO WIRE			
M22MB-LC			
1	B		
2	R		
			
			
B21			
EVAP CHARACTER VENT CONTROL VALVE			
EQ2FB-RS			
1	B		
2	R		
			
			
B22			
EVAP CONTROL SYSTEM PRESSURE SENSOR			
EQ3FY-RS			
1	R		
2	L		
			
			
B24			
OCCUPANT DETECTION SYSTEM CONTROL UNIT			
TH8BFW-RH			
4	R		
2	R		
7	GR		
5	B		
4	BR		
			
			
B28			
SIDE AIR BAG MODULE RH			
TR02FY-EX-1V			
1	Y		
2	Y		
			
			
B29			
SEAT BELT PRE-TENSIONER RH			
ACB02FY			
1	Y		
2	Y		
			
			
B30			
RH SATELLITE SENSOR			
HR02FY-1V-EX			
1	Y		
2	Y		
			
			
B32			
G SENSOR			
HS30FB-2V			
1	G		
2	R		
			
			
B33			
POWER SUPPLY			
TR02FY-EX-1V			
1	Y		
2	Y		
			
			
B36			
SEAT BELT PRE-TENSIONER LH			
ACB02FY			
1	Y		
2	Y		
			
			
B38			
SEAT BELT PRE-TENSIONER LH			
ACB02FY			
1	Y		
2	Y		
			
			
B39			
SEAT BELT PRE-TENSIONER RH			
ACB02FY			
1	G		
2	R		
			
			
B32			
G SENSOR			
HS30FB-2V			
1	G		
2	R		
			
			
B39			
SEAT BELT PRE-TENSIONER RH			
ACB02FY			
1	Y		
2	Y		
			
			
B30			
RH SATELLITE SENSOR			
HR02FY-1V-EX			
1	Y		
2	Y		
			
			
B32			
G SENSOR			
HS30FB-2V			
1	G		
2	R		
			
			
B39			
SEAT BELT PRE-TENSIONER RH			
ACB02FY			
1	Y		
2	Y		
			
			
B38			
SIDE AIR BAG MODULE RH			
TR02FY-EX-1V			
1	Y		
2	Y		
			
			
B22			
EVAP CONTROL SYSTEM PRESSURE SENSOR			
EQ3FY-RS			
1	R		
2	L		
			
			
B24			
OCCUPANT DETECTION SYSTEM CONTROL UNIT			
TH8BFW-RH			
4	R		
2	R		
7	GR		
5	B		
4	BR		
			
			
B28			
SIDE AIR BAG MODULE RH			
TR02FY-EX-1V			
1	Y		
2	Y		
			
			
B29			
SEAT BELT PRE-TENSIONER RH			
ACB02FY			
1	Y		
2	Y		
			
			
B30			
RH SATELLITE SENSOR			
HR02FY-1V-EX			
1	Y		
2	Y		
			
			
B32			
G SENSOR			
HS30FB-2V			
1	G		
2	R		
			
			
B39			
SEAT BELT PRE-TENSIONER RH			
ACB02FY			
1	Y		
2	Y		
			
			
B38			
SIDE AIR BAG MODULE RH			
TR02FY-EX-1V			
1	Y		
2	Y		
			
			
B32			
G SENSOR			
HS30FB-2V			
1	G		
2	R		
			
			
B39			
SEAT BELT PRE-TENSIONER RH			
ACB02FY			
1	Y		
2	Y		
			
			
B30			
RH SATELLITE SENSOR			
HR02FY-1V-EX			
1	Y		
2	Y		
			
			
B32			
G SENSOR			
HS30FB-2V			
1	G		
2	R		
			
			
B39			
SEAT BELT PRE-TENSIONER RH			
ACB02FY			
1	Y		
2	Y		
			
			
B38			
SIDE AIR BAG MODULE RH			
TR02FY-EX-1V			
1	Y		
2	Y		
			
			
B32			
G SENSOR			
HS30FB-2V			
1	G		
2	R		
			
			
B39			
SEAT BELT PRE-TENSIONER RH			
ACB02FY			
1	Y		
2	Y		
			
			
B30			
RH SATELLITE SENSOR			
HR02FY-1V-EX			
1	Y		
2	Y		
			
			
B32			
G SENSOR			
HS30FB-2V			
1	G		
2	R		
			
			
B39			
SEAT BELT PRE-TENSIONER RH			
ACB02FY			
1	Y		
2	Y		
			
			
B38			
SIDE AIR BAG MODULE RH			
TR02FY-EX-1V			
1	Y		
2	Y		
			
			
B32			
G SENSOR			
HS30FB-2V			
1	G		
2	R		
			
			
B39			
SEAT BELT PRE-TENSIONER RH			
ACB02FY			
1	Y		
2	Y		
			
			
B30			
RH SATELLITE SENSOR			
HR02FY-1V-EX			
1	Y		
2	Y		
			
			
B32			
G SENSOR			
HS30FB-2V			
1	G		
2	R		
			
			
B39			
SEAT BELT PRE-TENSIONER RH			
ACB02FY			
1	Y		
2	Y		
			
			
B38			
SIDE AIR BAG MODULE RH			
TR02FY-EX-1V			
1	Y		
2	Y		
			
			
B32			
G SENSOR			
HS30FB-2V			
1	G		
2	R		
			
			
B39			
SEAT BELT PRE-TENSIONER RH			
ACB02FY			
1	Y		
2	Y		

CONNECTOR INFORMATION

< WIRING DIAGRAM >

BODY HARNESS

Connector No.	B37	Terminal No.	1	L	Signal Name [Specification]	
Connector Name	LH SATELLITE SENSOR	Color of Wire	2	P		
Connector Type	HR02FY-IV-EX	Terminal No.	1	B	Signal Name [Specification]	
		Color of Wire	2	BR		
		Terminal No.	3	B	Signal Name [Specification]	
		Color of Wire	4	P		
		Terminal No.	5	L	Signal Name [Specification]	
Connector No.	B44	Terminal No.	1	B	Signal Name [Specification]	
Connector Name	REAR WHEEL SENSOR LH	Color of Wire	2	BR		
Connector Type	RH02MB	Terminal No.	1	GR	Signal Name [Specification]	
		Color of Wire	3	LG		
		Terminal No.	4	L	Signal Name [Specification]	
		Color of Wire	5	P		
		Terminal No.	6	SB	Signal Name [Specification]	
		Color of Wire	7	P		
		Terminal No.	9	W	Signal Name [Specification]	
		Color of Wire	10	B		
		Terminal No.	11	B	Signal Name [Specification]	
		Color of Wire	12	Y		
		Terminal No.	13	G	Signal Name [Specification]	
		Color of Wire	16	G		
		Terminal No.	17	L	Signal Name [Specification]	
		Color of Wire	21	Y		
		Terminal No.	23	R	Signal Name [Specification]	
		Color of Wire	24	V		
		Terminal No.	25	W	Signal Name [Specification]	
		Color of Wire	26	Y		
Connector No.	B41	Terminal No.	1	L	Signal Name [Specification]	
Connector Name	REAR WHEEL SENSOR RH	Color of Wire	2	P		
Connector Type	RH02MGY	Terminal No.	1	GR	Signal Name [Specification]	
		Color of Wire	3	LG		
		Terminal No.	4	L	Signal Name [Specification]	
		Color of Wire	5	R		
		Terminal No.	6	W	Signal Name [Specification]	
		Color of Wire	9	W		
		Terminal No.	10	B	Signal Name [Specification]	
		Color of Wire	11	B		
		Terminal No.	12	Y	Signal Name [Specification]	
		Color of Wire	13	G		
		Terminal No.	16	G	Signal Name [Specification]	
		Color of Wire	17	L		
		Terminal No.	21	Y	Signal Name [Specification]	
		Color of Wire	23	R		
		Terminal No.	24	V	Signal Name [Specification]	
		Color of Wire	25	W		
		Terminal No.	26	Y	Signal Name [Specification]	
Connector No.	B48	Terminal No.	2	SB	Signal Name [Specification]	
Connector Name	FRONT DOOR SWITCH (DRIVER SIDE)	Terminal No.	1	GR	Signal Name [Specification]	
Connector Type	AG3FW	Color of Wire	2	R		
		Terminal No.	2	R	Signal Name [Specification]	
Connector No.	B49	Terminal No.	2	R	Signal Name [Specification]	
Connector Name	FRONT DOOR SWITCH (PASSENGER SIDE)	Terminal No.	1	R	Signal Name [Specification]	
Connector Type	AG3FW	Color of Wire	2	B		
		Terminal No.	2	B	Signal Name [Specification]	
Connector No.	B50	Terminal No.	1	R	Signal Name [Specification]	
Connector Name	SEAT BELT BUCKLE SWITCH (DRIVER SIDE)	Color of Wire	2	B		
Connector Type	TH04FW-RH	Terminal No.	1	R	Signal Name [Specification]	
		Color of Wire	2	B		
		Terminal No.	2	B	Signal Name [Specification]	

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CONNECTOR INFORMATION

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BODY HARNESS

Connector No.	B51	Connector No.	B55	Connector No.	B53	Connector No.	B54	Connector No.	B59	Connector No.	B71	Connector No.	B72
Connector Name	SEAT BELT BUCKLE SWITCH (PASSENGER SIDE)	Connector Name	SEAT HEATER	Connector Name	REAR DOOR SWITCH RH	Connector Name	SEAT HEATER	Connector Name	REAR COMBINATION LAMP RH	Connector Name	REAR FINAL DRIVE ASSEMBLY	Connector Name	REAR DOOR SWITCH LH
Connector Type	TH04FW-NH	Connector Type	NS03FW-CS	Connector Type	A03FW	Connector Type	NS03FW-CS	Connector Type	NS06MW-CS	Connector Type	RS08FB-PR	Connector Type	A03FW
Terminal No.	1	Terminal No.	40	Terminal No.	1	Terminal No.	40	Terminal No.	1	Terminal No.	2	Terminal No.	9
Color of Wire	LG	Color of Wire	B	Color of Wire	LG	Color of Wire	B	Color of Wire	Y/R	Color of Wire	GR	Color of Wire	B
Signal Name [Specification]		Signal Name [Specification]		Signal Name [Specification]		Signal Name [Specification]		Signal Name [Specification]		Signal Name [Specification]		Signal Name [Specification]	COMMUNICATION SIGNAL (SAT-AUDIO)
Terminal No.	2	Terminal No.	41	Terminal No.	2	Terminal No.	42	Terminal No.	2	Terminal No.	3	Terminal No.	10
Color of Wire	B	Color of Wire	GR	Color of Wire	GR	Color of Wire	P	Color of Wire	Y/B	Color of Wire	W	Color of Wire	Y
Signal Name [Specification]		Signal Name [Specification]		Signal Name [Specification]		Signal Name [Specification]		Signal Name [Specification]		Signal Name [Specification]		Signal Name [Specification]	COMMUNICATION SIGNAL (AUDIO-SAT)
Terminal No.	41	Terminal No.	42	Terminal No.	3	Terminal No.	43	Terminal No.	3	Terminal No.	4	Terminal No.	11
Color of Wire	LG	Color of Wire	P	Color of Wire	GR	Color of Wire	P	Color of Wire	Y/B	Color of Wire	GR	Color of Wire	Y
Signal Name [Specification]		Signal Name [Specification]		Signal Name [Specification]		Signal Name [Specification]		Signal Name [Specification]		Signal Name [Specification]		Signal Name [Specification]	REQUEST SIGNAL (CHG-AUDIO)
Terminal No.	42	Terminal No.	1	Terminal No.	4	Terminal No.	44	Terminal No.	4	Terminal No.	5	Terminal No.	12
Color of Wire	LG	Color of Wire	LG	Color of Wire	B	Color of Wire	P	Color of Wire	Y/B	Color of Wire	GR	Color of Wire	W
Signal Name [Specification]		Signal Name [Specification]		Signal Name [Specification]		Signal Name [Specification]		Signal Name [Specification]		Signal Name [Specification]		Signal Name [Specification]	BAT
Terminal No.		Terminal No.	2	Terminal No.	5	Terminal No.	45	Terminal No.	5	Terminal No.	6	Terminal No.	13
Color of Wire		Color of Wire	B	Color of Wire	B	Color of Wire	P	Color of Wire	Y/B	Color of Wire	GR	Color of Wire	W
Signal Name [Specification]		Signal Name [Specification]		Signal Name [Specification]		Signal Name [Specification]		Signal Name [Specification]		Signal Name [Specification]		Signal Name [Specification]	SOURCE CHANGE
Terminal No.		Terminal No.	3	Terminal No.	6	Terminal No.	46	Terminal No.	6	Terminal No.	7	Terminal No.	14
Color of Wire		Color of Wire	B	Color of Wire	B	Color of Wire	P	Color of Wire	Y/B	Color of Wire	GR	Color of Wire	B
Signal Name [Specification]		Signal Name [Specification]		Signal Name [Specification]		Signal Name [Specification]		Signal Name [Specification]		Signal Name [Specification]		Signal Name [Specification]	GND
Terminal No.		Terminal No.	4	Terminal No.	7	Terminal No.	47	Terminal No.	7	Terminal No.	8	Terminal No.	15
Color of Wire		Color of Wire	B	Color of Wire	B	Color of Wire	P	Color of Wire	Y/B	Color of Wire	GR	Color of Wire	B
Signal Name [Specification]		Signal Name [Specification]		Signal Name [Specification]		Signal Name [Specification]		Signal Name [Specification]		Signal Name [Specification]		Signal Name [Specification]	ACC
Terminal No.		Terminal No.	5	Terminal No.	8	Terminal No.	48	Terminal No.	8	Terminal No.	9	Terminal No.	16
Color of Wire		Color of Wire	B	Color of Wire	B	Color of Wire	P	Color of Wire	Y/B	Color of Wire	GR	Color of Wire	V
Signal Name [Specification]		Signal Name [Specification]		Signal Name [Specification]		Signal Name [Specification]		Signal Name [Specification]		Signal Name [Specification]		Signal Name [Specification]	ACC

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CONNECTOR INFORMATION

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BODY HARNESS

Connector No.	B74
Connector Name	WOOFER
Connector Type	NS06FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	SB	BATTERY
2	G	SOUND SIGNAL WOOFER (+)
3	B	GRND
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	NS06MW-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 (LUGGAGE ROOM)
Connector Type	PK02FL



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

Connector No.	B83
Connector Name	OUTSIDE KEY ANTENNA (REAR BUMPER)
Connector Type	PK02FL



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

Connector No.	B301
Connector Name	SATELLITE RADIO TUNER
Connector Type	FAK8A



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

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	-



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

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CONNECTOR INFORMATION

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D Door Harness

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DOOR HARNESS

Connector No.	D2
Connector Name	WIRE TO WIRE
Connector Type	T140FW-C51S

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

Connector No.	D6
Connector Name	FRONT DOOR SATELLITE SENSOR RH
Connector Type	HK02FY-IV-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. D12
Connector Name OUTSIDE KEY ANTENNA (PASSENGER SIDE)
Connector Type RK02MGY

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

Connector No. D14
Connector Name OUTSIDE KEY ANTENNA (PASSENGER SIDE)
Connector Type RK02MGY

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

Connector No. D15
Connector Name FRONT DOOR REUSE SWITCH (PASSENGER SIDE)
Connector Type RK02FGY

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

Connector No. D16
Connector Name FRONT POWER WINDOW MOTOR (PASSENGER SIDE)
Connector Type RS08FYG

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 EB08FY-RS

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

Connector No. D18
Connector Name FRONT POWER WINDOW MOTOR (PASSENGER SIDE)
Connector Type RS08FYG

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CONNECTOR INFORMATION

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DOOR HARNESS		
Connector No.	D128	
Connector Name	WIRE TO WIRE	
Connector Type	MO2FB-LC	
 		
Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
2	R	-

Connector No.	D203	
Connector Name	REAR WINDOW DEFOGGER	
Connector Type	P01FB-A	
 		
Terminal No.	Color of Wire	Signal Name [Specification]
2	B	-

DOOR HARNESS		
Connector No.	D201	
Connector Name	CONDENSER	
Connector Type	P01FB-A	
 		
Terminal No.	Color of Wire	Signal Name [Specification]
2	B	-

Connector No.	D202	
Connector Name	REAR WINDOW DEFOGGER	
Connector Type	P01FB-A	
 		
Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-

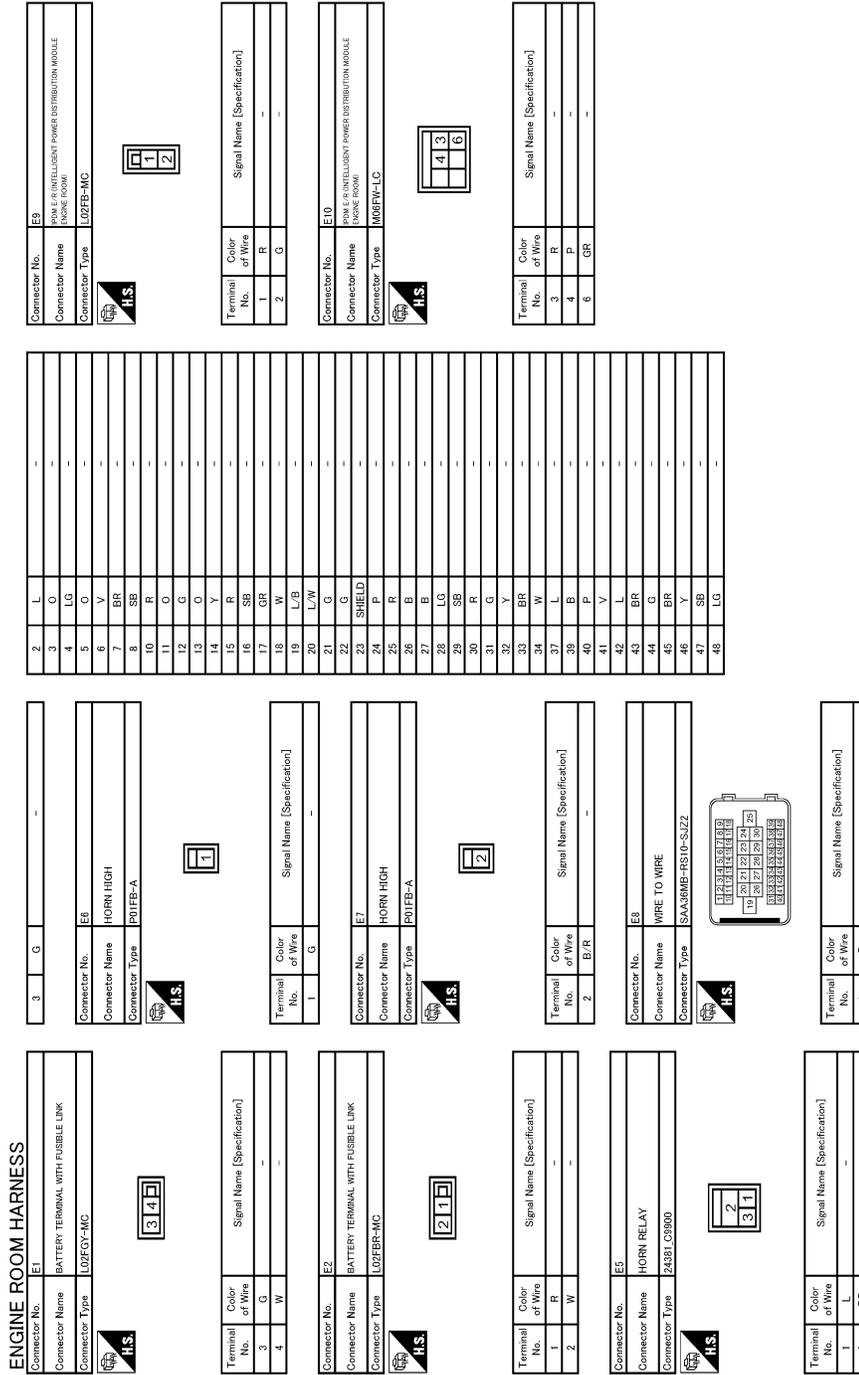
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CONNECTOR INFORMATION

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E Engine Room Harness

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CONNECTOR INFORMATION

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ENGINE ROOM HARNESS

Connector No.	E11
Connector Name	IPM E/R INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	MS08FB-LC



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

Connector No.	E12
Connector Name	IPM E/R INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	NS08FBR-CS



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

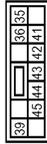
Connector No.	E13
Connector Name	IPM E/R INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	TH12FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
21	W	-
22	V	-
23	B	-
24	R	-
25	L	-
26	W	-
27	L	-
28	W	-

23	SB	-
25	BR	-
26	P	-
27	L	-
28	Y	-
30	V	-
31	Y	-
33	G	-
34	L	-

Connector No.	E14
Connector Name	IPM E/R INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	NS12FBR-CS



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

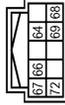
Connector No.	E15
Connector Name	IPM E/R INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	NS16FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
46	BR	-
49	Y	-
50	G	-

51	L	-
52	P	-
54	P	-
55	G	-
56	SB	-
57	O	-
58	LG	- (With CVT)
58	BR	- (With M/T)
59	V	-
60	SB	-
61	LG	-
62	O	-

Connector No.	E17
Connector Name	IPM 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	-

Connector No.	E18
Connector Name	ECM
Connector Type	RH24FGY-R28-R-PH



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	PHP 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 SHUT-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	FHM05FGY-B



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

CONNECTOR INFORMATION

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ENGINE ROOM HARNESS

Connector No.	E22
Connector Name	FRONT WHEEL SENSOR LH
Connector Type	FR02FGY



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

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



Terminal No.	Color of Wire	Signal Name [Specification]
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	FK03FBR



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

Connector No.	E26
Connector Name	HEADLAMP LH
Connector Type	U03FB



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

Connector No.	E30
Connector Name	FRONT Fog LAMP LH
Connector Type	FH202FB



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	L	-
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	-



Connector No.	E33
Connector Name	CRASH ZONE SENSOR
Connector Type	HR02FY-1V-EX

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

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ENGINE ROOM HARNESS

Connector No.	E49
Connector Name	REFRIGERANT PRESSURE SENSOR
Connector Type	RK03FB




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	RS2FB




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	M0FBFR-R-LC




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-AMZ-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	-




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

Connector No.	E64
Connector Name	DAYTIME RUNNING LIGHT RELAY 1
Connector Type	MS0ZFL-AMZ-LC




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

Connector No.	E65
Connector Name	DAYTIME RUNNING LIGHT RELAY 2
Connector Type	MS0ZFB-AMZ-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	RH03FB




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

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CONNECTOR INFORMATION

< WIRING DIAGRAM >

ENGINE ROOM HARNESS

Connector No.	E67
Connector Name	WIRE TO WIRE
Connector Type	X02FB



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

Connector No.	E68
Connector Name	ALTERNATOR
Connector Type	-



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

Connector No.	E69
Connector Name	BATTERY TERMINAL WITH FUSEIBLE LINK
Connector Type	-



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

Connector No.	E71
Connector Name	WASHER LEVEL SWITCH
Connector Type	HS02FW-B



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

Connector No.	E101
Connector Name	ACCELERATOR PEDAL POSITION SENSOR
Connector Type	RH00FB



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

Connector No.	E102
Connector Name	STOP LAMP SWITCH
Connector Type	MM0FW-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	TH00MW-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	-
84	LG	-
85	GR	-
86	R	-
87	W	-
88	SB	-
70	R	-
71	LG	-
72	V	-
73	L	-
76	R	-
78	B	-
78	W	-
80	Y	-
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.	E108
Connector Name	WIRE TO WIRE
Connector Type	LU02FB-MC



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

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CONNECTOR INFORMATION

< WIRING DIAGRAM >

ENGINE ROOM HARNESS

Connector No.	E107
Connector Name	WIRE TO WIRE
Connector Type	THZMMW-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	NSZMMW-CS



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

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	-

Connector No.	E118
Connector Name	STOP LAMP SWITCH
Connector Type	M02FB-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	ISZ01FY-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 9F900



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

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CONNECTOR INFORMATION

< WIRING DIAGRAM >

ENGINE ROOM HARNESS

Connector No.	E301
Connector Name	COOLING FAN CONTROL MODULE (COOLING FAN MOTOR-1)
Connector Type	61188-0239



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	61188-0239



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	ISAABFB-RS1P-S472



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	AZ08FB



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

Connector No.	F10
Connector Name	STARTER MOTOR
Connector Type	-



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

Connector No.	F12
Connector Name	KNOCK SENSOR
Connector Type	BS0ZFGY B-H



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

Connector No.	F13
Connector Name	CONDENSER
Connector Type	M02FN-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

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CONNECTOR INFORMATION

< WIRING DIAGRAM >

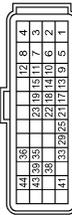
ENGINE CONTROL HARNESS

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	RH40FB-RZ3-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 HP)
4	Y	FUEL INJECTOR NO.2 (3 HP)
5	R	FUEL INJECTOR NO.1 (LO)
6	BR	FUEL INJECTOR NO.3 (LO)
7	W	FUEL INJECTOR NO.4 (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 PAIL PRESSURE SENSOR
19	GR	REFUELPANT PRESSURE SENSOR
21	W	A. P. SENSOR 1

22	Y	ENGINE OIL TEMPERATURE SENSOR
23	W	SENSOR POWER SUPPLY
25	B	A. P. SENSOR 1
29	W	HEATED OXYGEN SENSOR 2
33	R	SENSOR GROUND
35	R	SENSOR GROUND
36	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	RH40FB-RZ3-L-RH



Terminal No.	Color of Wire	Signal Name [Specification]
49	G	FUEL INJECTOR DRIVER POWER SUPPLY 1
50	B	ECM GROUND (HIGH PRESSURE FUEL PUMP)
51	GR	THROTTLE CONTROL MOTOR (OPEN)
53	BR	FUEL INJECTOR DRIVER POWER SUPPLY 2
54	R	HIGH PRESSURE FUEL PUMP DRIVER POWER SUPPLY
55	BR	HIGH PRESSURE FUEL PUMP (HD)
56	Y	HIGH PRESSURE FUEL PUMP (LO)
58	G	SENSOR POWER SUPPLY
59	L	SENSOR GROUND
60	W	SENSOR POWER SUPPLY
62	B	SENSOR GROUND
63	BR	CAMSHAFT POSITION SENSOR (PHASE)
64	R	CAMSHAFT 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	G SENSOR
84	P	FUEL TANK TEMPERATURE SENSOR
85	LG	IGNITION SIGNAL NO.2
86	LG	EXHAUST VALVE TIMING CONTROL SOL ENOID VALVE
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-PHASE VOLUME 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	LG	-
3	LG	-
4	L	-
5	G	-
6	Y	-
7	W	-
8	V	-

Connector No.	F28
Connector Name	ENGINE COOLANT TEMPERATURE SENSOR
Connector Type	EG0FDY-FS



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

Connector No.	F29
Connector Name	ELECTRIC THROTTLE CONTROL ACTUATOR
Connector Type	RH00FB



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	CONTROL CBL. NO. 1 (WITH POWER TRANSISTOR)
Connector Type	EG0FDY-FS



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

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CONNECTOR INFORMATION

< WIRING DIAGRAM >

ENGINE CONTROL HARNESS

Connector No.	F34
Color of Wire	-
Connector Name	IGNITION COIL No. 2 (WITH POWER TRANSISTOR)
Connector Type	EQ3FGY-RS



Connector No.	F41
Color of Wire	-
Connector Name	INTAKE VALVE TRAND CONTROL SOLENOID VALVE
Connector Type	EQ2FG-RS-LGY



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

Connector No.	F35
Color of Wire	-
Connector Name	IGNITION COIL No. 3 (WITH POWER TRANSISTOR)
Connector Type	EQ3FGY-RS



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

Connector No.	F36
Color of Wire	-
Connector Name	IGNITION COIL No. 4 (WITH POWER TRANSISTOR)
Connector Type	EQ3FGY-RS



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

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

Connector No.	F41
Color of Wire	-
Connector Name	INTAKE VALVE TRAND CONTROL SOLENOID VALVE
Connector Type	EQ2FG-RS-LGY



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

Connector No.	F42
Color of Wire	-
Connector Name	ALTERNATOR
Connector Type	-



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

Connector No.	F43
Color of Wire	-
Connector Name	ENGINE OIL PRESSURE SENSOR
Connector Type	RH83FB



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

Connector No.	F48
Color of Wire	-
Connector Name	ENGINE OIL TEMPERATURE SENSOR
Connector Type	EQ2FGY-RS



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

Connector No.	F49
Color of Wire	-
Connector Name	PARK / NEUTRAL POSITION SWITCH
Connector Type	FEA83FG



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

Connector No.	F51
Color of Wire	-
Connector Name	CVT UNIT
Connector Type	YsaM 783-8700-30



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	CHP SELECT (SEL.1)
2	Y	LINE PRESSURE SOLENOID VALVE
3	W	SECONDARY PRESSURE SOLENOID VALVE
6	R	STEP MOTOR A
7	BG	STEP MOTOR B
8	V	STEP MOTOR C
9	GR	STEP MOTOR D
11	BR	CLOCK (SEL.2)
12	G	TORQUE CONVERTER CLUTCH SOLENOID VALVE
13	L	L/U SELECT SOLENOID VALVE
16	W	DATE I/O (SEL.3)
17	SB	CVT FLUID TEMPERATURE SENSOR
19	Y	SENSOR GND
20	LG	SENSOR POWER SOURCE
23	P	SECONDARY PRESSURE SENSOR

Connector No.	F52
Color of Wire	-
Connector Name	BATTERY CURRENT SENSOR
Connector Type	SA204GY



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

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CONNECTOR INFORMATION

< WIRING DIAGRAM >

ENGINE CONTROL HARNESS		
Connector No.	F53	
Connector Name	HIGHT PRESSURE FUEL PUMP	
Connector Type	HSZFQY-VR	
Terminal No.	1	2
Color of Wire	BR	Y
Signal Name [Specification]	-	-
Connector No.	F54	
Connector Name	TURBOCHARGER BOOST CONTROL SOLENOID VALVE	
Connector Type	EQDFL-RS-LGY	
Terminal No.	1	2
Color of Wire	BR	R
Signal Name [Specification]	-	-
Connector No.	F55	
Connector Name	PRIMARY SPEED SENSOR	
Connector Type	RR03FB	
Terminal No.	1	2
Color of Wire	R	W
Signal Name [Specification]	-	-
Connector No.	F56	
Connector Name	FUEL INJECTOR No. 1	
Connector Type	HSZFQY	
Terminal No.	1	2
Color of Wire	G	R
Signal Name [Specification]	-	-
Connector No.	F57	
Connector Name	FUEL INJECTOR No. 3	
Connector Type	HSZFQY	
Terminal No.	1	2
Color of Wire	Y	BR
Signal Name [Specification]	-	-
Connector No.	F58	
Connector Name	FUEL INJECTOR No. 4	
Connector Type	HSZFQY	
Terminal No.	1	2
Color of Wire	B	W
Signal Name [Specification]	-	-
Connector No.	F59	
Connector Name	HEATED OXYGEN SENSOR 2	
Connector Type	RR04MB	
Terminal No.	1	2
Color of Wire	R	G
Signal Name [Specification]	-	-
Connector No.	F70	
Connector Name	AIR FUEL RATIO (A/F) SENSOR 1	
Connector Type	RR04MGY	
Terminal No.	1	2
Color of Wire	B	W
Signal Name [Specification]	-	-
Connector No.	F75	
Connector Name	TURBOCHARGER BOOST SENSOR	
Connector Type	RR04FB	
Terminal No.	1	2
Color of Wire	R	W
Signal Name [Specification]	-	-

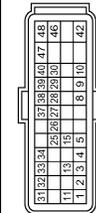
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CONNECTOR INFORMATION

< WIRING DIAGRAM >

ENGINE CONTROL HARNESS

Connector No.	F81
Connector Name	TCM (TRANSMISSION CONTROL MODULE)
Connector Type	RH40FB-F28-LRH



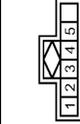
Connector No.	F100
Connector Name	EXHAUST VALVE TIMING CONTROL SOLENOID VALVE
Connector Type	EQ2FC-RS-LGY



Connector No.	F109
Connector Name	CAMSHAFT POSITION SENSOR
Connector Type	RH03FB



Connector No.	F207
Connector Name	CONTROL VALVE
Connector Type	



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
6	BR	CLOCK (SEL.2)
7	G	CHIP SELECT (SEL.1)
8	W	DATE I/O (SEL.3)
9	L	P RANGE SW
10	SB	CVT FLUID TEMPERATURE SENSOR
11	P	SECONDARY PRESSURE SENSOR
12	Y	SENSOR GROUND
13	LG	SENSOR POWER SUPPLY
14	GR	STEP MOTOR D
15	V	STEP MOTOR C
16	BG	STEP MOTOR B
17	R	STEP MOTOR A
18	P	CAN-L
19	L	CAN-H
20	BG	PRIMARY SPEED SENSOR
21	R	SECONDARY SPEED SENSOR
22	L	LOCK-UP SELECT SOLENOID VALVE
23	G	TORQUE CONVERTER CLUTCH SOLENOID VALVE
24	W	SECONDARY PRESSURE SOLENOID VALVE
25	Y	LINE PRESSURE SOLENOID VALVE
26	B	GROUND
27	LG	POWER SUPPLY
28	BG	POWER SUPPLY (MEMORY BACK-UP)
29	Y	POWER SUPPLY

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

Connector No.	F106
Connector Name	STEP CONVERTER PULSE CONTROL SOLENOID VALVE
Connector Type	EQ2FL-RS-LGY



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	RH03FB



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

Connector No.	F208
Connector Name	CONTROL VALVE
Connector Type	



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]
7	BR	-
8	R	-
9	G	-
10	Y/R	-
11	P	-
12	B/W	-
13	B	-
14	O	-
15	O	-
16	L/Y	-
17	GR	-
18	W	-
19	G/B	-
20	B/Y	-
21	G/R	-
22	Y	-

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

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CONNECTOR INFORMATION

< WIRING DIAGRAM >

ENGINE CONTROL HARNESS	
Connector No.	F209
Connector Name	CYT UNIT
Connector Type	PK22MGY-X



Terminal No.	Color of Wire	Signal Name [Specification]
1	W/R	-
2	R	-
3	G	-
6	L	-
7	O	-
8	L/Y	-
9	GR	-
11	R/B	-
12	Y/R	-
13	P	-
16	G/W	-
17	Y	-
19	G/R	-
20	G/B	-
22	R/W	-
23	B/Y	-
25	W	-

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CONNECTOR INFORMATION

< WIRING DIAGRAM >

M Main Harness

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

MAIN HARNESS

Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	Z431 I IHADA



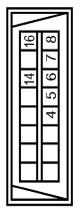
Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-

Connector No.	M2
Connector Name	FUSE BLOCK (J/B)
Connector Type	Z431 I IHADA



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

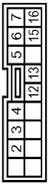
Connector No.	M4
Connector Name	DATA LINK CONNECTOR
Connector Type	BD16W



Terminal No.	Color of Wire	Signal Name [Specification]
4	B	-
5	B	-
6	L	-
7	W	-

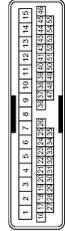
Terminal No.	Color of Wire	Signal Name [Specification]
8	LG	-
14	P	-
16	Y	-

Connector No.	M7
Connector Name	DOOR MIRROR REMOTE CONTROL SWITCH
Connector Type	TK16FW



Terminal No.	Color of Wire	Signal Name [Specification]
2	P	-
3	V	-
4	LG	-
5	G	-
6	Y	-
7	BR	-
12	B	-
13	L	-
15	GR	-
16	V	-

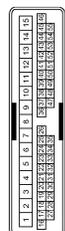
Connector No.	M10
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-CS15



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

Terminal No.	Color of Wire	Signal Name [Specification]
24	R	-
25	G	-
40	LG	-
41	Y	-
43	V	-
44	V	-
45	LG	-
46	BR	-
50	P	-
51	B	-
53	B	-

Connector No.	M11
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-CS15



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

Connector No.	M15
Connector Name	TWEETER LH
Connector Type	TK02FBR



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

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

Connector No.	M14
Connector Name	TWEETER RH
Connector Type	TK02FBR



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

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CONNECTOR INFORMATION

< WIRING DIAGRAM >

MAIN HARNESS

Connector No.	M18
Connector Name	WIRE TO WIRE
Connector Type	NS16FW-CS



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

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	NS16FW-CS



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

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

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



Connector No.	M21
Connector Name	WIRE TO WIRE
Connector Type	TH42FW-NH



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

Terminal No.	Color of Wire	Signal Name [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	NH10MW-CS10



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

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	TR08MGY



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

Connector No.	M26
Connector Name	NATS 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	TH08FF-RH



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	M06FW-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-RH



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

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



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

Connector No.	M32
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TH08FY-EX-IV



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	TH08FY-IV



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

Connector No.	M34
Connector Name	COMBINATION METER
Connector Type	TH40FW-RH



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

14	V	MANUAL MODE SHIFT UP SIGNAL
15	L	A/C 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 IGNITION SIGNAL
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-RH



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

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CONNECTOR INFORMATION

< WIRING DIAGRAM >

MAIN HARNESS

Connector No.	M38
Connector Name	EPS CONTROL UNIT
Connector Type	LO2FB-NIC



Terminal No.	Color of Wire	Signal Name [Specification]
9	R	BAT
10	B	GND

Connector No.	M39
Connector Name	BLOWER MOTOR
Connector Type	TM2ZFW



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

Connector No.	M41
Connector Name	RH-VEHICLE SENSOR
Connector Type	AG2FW



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

Connector No.	M42
Connector Name	INTAKE SENSOR
Connector Type	TK02FBR



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

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



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

Connector No.	M45
Connector Name	HAZARD SWITCH
Connector Type	TK04FW



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

Connector No.	M46
Connector Name	PASSENGER AIR BAG MODULE
Connector Type	FR04FY-BD



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

Connector No.	M48
Connector Name	AMD MODE SWITCH
Connector Type	TK08FW-1V



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

Connector No.	M49
Connector Name	NATS ANTENNA AMP.
Connector Type	TR04FW-RH



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

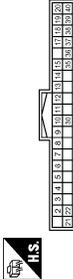
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CONNECTOR INFORMATION

< WIRING DIAGRAM >

MAIN HARNESS

Connector No.	M60
Connector Name	A/C AUTO AMP.
Connector Type	TH40FW-NH



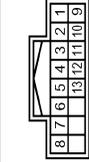
Connector No.	M61
Connector Name	WIRE TO WIRE
Connector Type	M64FW-LC



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	-

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.	M67
Connector Name	CVT SHIFT SELECTOR
Connector Type	TH16FW-NH



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

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	-

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	-

Connector No.	M62
Connector Name	A/C CONTROL
Connector Type	CMFW



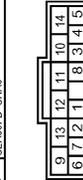
Connector No.	M64
Connector Name	INTAKE DOOR MOTOR
Connector Type	86183-0001



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

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

Connector No.	M63
Connector Name	A/C CONTROL
Connector Type	SEARBEF-3146



Connector No.	M65
Connector Name	AIR MIX DOOR MOTOR
Connector Type	MA468FB



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. CONNECTOR RECOGNITION SIGNAL
10	R	SENSOR GROUND
11	SB	IGNITION POWER SUPPLY
12	Y	BATTERY POWER SUPPLY
13	GR	POWER TRANSDUCER 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 PER F/B SIGNAL
30	B	GROUND
35	G	REC DRIVE SIGNAL
36	V	FRE DRIVE SIGNAL
37	R	MODE DRIVE SIGNAL 4
38	P	MODE DRIVE SIGNAL 3
39	Y	MODE DRIVE SIGNAL 2
40	V	MODE DRIVE SIGNAL 1

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CONNECTOR INFORMATION

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MAIN HARNESS

Connector No.	M69
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	FE409FW-FHAF-SA



157	159	160	161	163	164
165	166	167	168	169	170

Terminal No.	Color of Wire	Signal Name [Specification]
56	LG	INT ROOM LAMP PWR SPLY
57	L	BAT (FUSE)
58	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	PW PWR SPLY (IGN)
68	L	PW PWR SPLY (BAT)
69	P	BAT (F/L)
70	Y	BAT (F/L)

Connector No.	M70
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FW-RH



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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Terminal No.	Color of Wire	Signal Name [Specification]
75	LG	DR DOOR REG SW
76	LG	PASS DOOR REG SW
78	V	DRIVER DOOR ANT+
79	Y	PASS DOOR ANT+
81	W	REAR BIHR ANT+
83	LG	REAR BIHR ANT-
84	BR	ROOM ANT 1+

Terminal No.	Color of Wire	Signal Name [Specification]
85	GR	ROOM ANT 1-
86	G	ROOM ANT 2+
87	R	ROOM ANT 2-
88	V	LUGGAGE ROOM ANT+
89	LG	LUGGAGE ROOM ANT-
90	W	PUSH-BTN IGN SW ILL PWR
91	V	ACC / ON IND
92	R	PUSH-BTN IGN SW ILL GND
93	GR	H-KEY WARN BUZZER
96	BR	ACC RELAY CONT
97	SB	STARTER RELAY CONT
98	P	IGN RELAY (JPM E/R) 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 Z
106	Y	BLWR RELAY CONT

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



3	5
2	1

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	TH04FW



1	2	4
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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	A02FW



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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	TH04FW-RH



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

2	SB
4	V

SIGNAL
GND

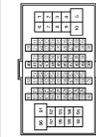
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CONNECTOR INFORMATION

< WIRING DIAGRAM >

MAIN HARNESS

Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS1P-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	-
65	GR	-
66	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	V	-
92	BR	-
93	R	-
95	R	-

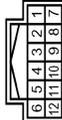
96	L	-
97	GR	-
98	G	-
99	W	-
100	LG	-

Connector No.	M78
Connector Name	WIRE TO WIRE
Connector Type	LG2MB-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	NS06FW-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	NS06FW-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	MM04FW-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	TR03FW



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

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CONNECTOR INFORMATION

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MAIN HARNESS

Connector No.	M85
Connector Name	THE PRESSURE WARNING CHECK SWITCH
Connector Type	TH02FW



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

Connector No.	M86
Connector Name	DONGLE UNIT
Connector Type	NS08FBR-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	-

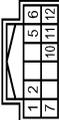
4	R	-
5	SB	-

Connector No.	M89
Connector Name	WIRE TO WIRE
Connector Type	MD2FW-LC



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

Connector No.	M90
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 COM1
6	L	CAN-H
7	SB	IGN
10	B	GRD
11	B	GRD
12	P	CAN-L

Connector No.	M81
Connector Name	AUDIO UNIT
Connector Type	TH18FW-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	Pwr SOUND SIGNAL LH (+)
23	B	Pwr SOUND SIGNAL RH (+)
25	W	Pwr SOUND SIGNAL LH (-)
27	G	Pwr SOUND SIGNAL RH (-)
28	SHIELD	SHIELD

Connector No.	M83
Connector Name	AUDIO UNIT
Connector Type	TA12FW



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



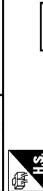
Terminal No.	Color of Wire	Signal Name [Specification]
47	SE	AV COMM (A)
48	SE	AV COMM (B)
49	LG	AV COMM (L)
50	G	TEG ON
52	G	AV COMM (U)
56	BR	SOUND SIGNAL (+)
57	GR	SOUND SIGNAL (-)
58	SHIELD	SHIELD

CONNECTOR INFORMATION

< WIRING DIAGRAM >

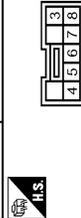
MAIN HARNESS

Connector No.	M85
Connector Name	GLOVE BOX LAMP
Connector Type	A02FW



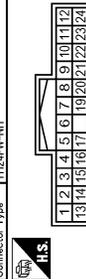
Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
2	B	-

Connector No.	M101
Connector Name	PUSH-BUTTON IGNITION SWITCH
Connector Type	TK08FBR



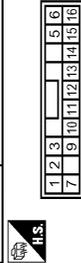
Terminal No.	Color of Wire	Signal Name [Specification]
3	G	-
4	B	-
5	W	-
6	R	-
7	V	-
8	LG	-

Connector No.	M102
Connector Name	POD ADAPTER
Connector Type	TH24FW-4H1



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

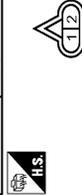
Connector No.	M103
Connector Name	POD CONNECTOR
Connector Type	JF16FGY



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	POD SOUND SIGNAL LH (+)
2	Y	POD SOUND SIGNAL GND
3	BR	POD BATTERY CHARGE 5V
5	LG	COMM (Pod-Adapter-Pod)
6	V	COMM (Pod-Adapter-Pod)
7	L	POD SOUND SIGNAL RH (+)
8	SB	POD CONNECTION RECOGNITION
10	SHIELD	GND
12	GR	USE D+ SIGNAL
13	LG	USE D- SIGNAL

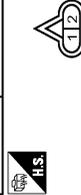
14	SHIELD	SHIELD
15	P	ACCESSORY DETECT
16	R	ACCESSORY IDENTIFY

Connector No.	M105
Connector Name	INSIDE KEY ANTENNA (INSTRUMENT CENTER)
Connector Type	PK02FL



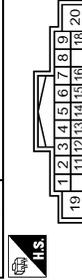
Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	-
2	GR	-

Connector No.	M106
Connector Name	INSIDE KEY ANTENNA (CONSOLE)
Connector Type	PK02FL



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

< WIRING DIAGRAM >

MAIN HARNESS		TEL ADAPTER UNIT		FRONT PASSENGER AIR BAG OFF INDICATOR		NAVI CONTROL UNIT	
Connector No.	MI18	Connector No.	MI127	Connector No.	MI26	Connector No.	MI119
Connector Name	NAVI CONTROL UNIT	Connector Name	TEL ADAPTER UNIT	Connector Name	FRONT PASSENGER AIR BAG OFF INDICATOR	Connector Name	NAVI CONTROL UNIT
Connector Type	TH24FW-RH	Connector Type	TH23FW-RH	Connector Type	TK02FBR	Connector Type	GT17-8P
Terminal No.	21	Terminal No.	1	Terminal No.	1	Terminal No.	1
Color of Wire	B	Color of Wire	BR	Color of Wire	R	Color of Wire	B
Signal Name [Specification]	EQ1	Signal Name [Specification]	BATTERY	Signal Name [Specification]	-	Signal Name [Specification]	EQ1
22	B	2	L	2	W	2	B
Signal Name [Specification]	EQ2	Signal Name [Specification]	ACC	Signal Name [Specification]	-	Signal Name [Specification]	EQ2
23	B	3	SB	3	G	3	B
Signal Name [Specification]	REVERSE SIGNAL	Signal Name [Specification]	IGNITION	Signal Name [Specification]	-	Signal Name [Specification]	REVERSE SIGNAL
24	W	4	B	4	Y	4	W
Signal Name [Specification]	SOUND SIGNAL W/OFFER (+)	Signal Name [Specification]	GND	Signal Name [Specification]	-	Signal Name [Specification]	SOUND SIGNAL W/OFFER (+)
25	B	5	G	5	BR	5	B
Signal Name [Specification]	SOUND SIGNAL W/OFFER (-)	Signal Name [Specification]	MICROPHONE SIGNAL	Signal Name [Specification]	-	Signal Name [Specification]	SOUND SIGNAL W/OFFER (-)
26	B	6	SHIELD	6	BR	6	B
Signal Name [Specification]	SHIELD	Signal Name [Specification]	MICROPHONE SIGNAL GND	Signal Name [Specification]	-	Signal Name [Specification]	SHIELD
27	BR	7	SHIELD	7	L	7	BR
Signal Name [Specification]	SOUND SIGNAL (+)	Signal Name [Specification]	SOUND SIGNAL (-)	Signal Name [Specification]	-	Signal Name [Specification]	SOUND SIGNAL (+)
28	BR	8	SHIELD	8	SHIELD	8	BR
Signal Name [Specification]	SOUND SIGNAL (-)	Signal Name [Specification]	TEL ON SIGNAL	Signal Name [Specification]	-	Signal Name [Specification]	SOUND SIGNAL (-)
29	Y	9	Y	9	G	9	Y
Signal Name [Specification]	TEL GND	Signal Name [Specification]	STRG SW A	Signal Name [Specification]	-	Signal Name [Specification]	TEL GND
30	B	10	G	10	BR	10	B
Signal Name [Specification]	SHIELD	Signal Name [Specification]	STRG SW B	Signal Name [Specification]	-	Signal Name [Specification]	SHIELD
31	SHIELD	11	R	11	Y	11	SHIELD
Signal Name [Specification]	SHIELD	Signal Name [Specification]	STRG SW GND	Signal Name [Specification]	-	Signal Name [Specification]	SHIELD
32	SHIELD	12	G	12	Y	12	SHIELD
Signal Name [Specification]	SHIELD	Signal Name [Specification]	STRG SW A	Signal Name [Specification]	-	Signal Name [Specification]	SHIELD
33	B	13	R	13	G	13	B
Signal Name [Specification]	AV COMM (H) [With rear view monitor]	Signal Name [Specification]	STRG SW GND	Signal Name [Specification]	-	Signal Name [Specification]	AV COMM (H) [With rear view monitor]
34	G	14	V	14	Y	14	G
Signal Name [Specification]	AV COMM (L) [Without rear view monitor]	Signal Name [Specification]	STRG SW GND	Signal Name [Specification]	-	Signal Name [Specification]	AV COMM (L) [Without rear view monitor]
35	B	15	W	15	BR	15	B
Signal Name [Specification]	AV COMM (H) [With rear view monitor]	Signal Name [Specification]	STRG SW A	Signal Name [Specification]	-	Signal Name [Specification]	AV COMM (H) [With rear view monitor]
36	B	16	W	16	L	16	B
Signal Name [Specification]	AV COMM (L) [Without rear view monitor]	Signal Name [Specification]	STRG SW B	Signal Name [Specification]	-	Signal Name [Specification]	AV COMM (L) [Without rear view monitor]
37	B	17	W	17	L	17	B
Signal Name [Specification]	AV COMM (H) [With rear view monitor]	Signal Name [Specification]	CONTROL SIGNAL	Signal Name [Specification]	-	Signal Name [Specification]	AV COMM (H) [With rear view monitor]
38	B	18	LG	18	LG	18	B
Signal Name [Specification]	AV COMM (L) [Without rear view monitor]	Signal Name [Specification]	CONTROL SIGNAL	Signal Name [Specification]	-	Signal Name [Specification]	AV COMM (L) [Without rear view monitor]
39	R	19	P	19	P	19	R
Signal Name [Specification]	AV COMM (H) [With rear view monitor]	Signal Name [Specification]	CONTROL SIGNAL	Signal Name [Specification]	-	Signal Name [Specification]	AV COMM (H) [With rear view monitor]
40	LG	20	B	20	B	20	LG
Signal Name [Specification]	AV COMM (L) [Without rear view monitor]	Signal Name [Specification]	CONTROL SIGNAL	Signal Name [Specification]	-	Signal Name [Specification]	AV COMM (L) [Without rear view monitor]
41	V	21	B	21	B	21	V
Signal Name [Specification]	CAMERA IMAGE SIGNAL	Signal Name [Specification]	CONTROL SIGNAL	Signal Name [Specification]	-	Signal Name [Specification]	CAMERA IMAGE SIGNAL
42	SHIELD	22	B	22	B	22	SHIELD
Signal Name [Specification]	SHIELD	Signal Name [Specification]	CONTROL SIGNAL	Signal Name [Specification]	-	Signal Name [Specification]	SHIELD
43	LG	23	B	23	B	23	LG
Signal Name [Specification]	CAMERA POWER SUPPLY	Signal Name [Specification]	CONTROL SIGNAL	Signal Name [Specification]	-	Signal Name [Specification]	CAMERA POWER SUPPLY
44	L	24	B	24	B	24	L
Signal Name [Specification]	CAMERA GND	Signal Name [Specification]	CONTROL SIGNAL	Signal Name [Specification]	-	Signal Name [Specification]	CAMERA GND
Connector No.	MI119	Connector No.	MI26	Connector No.	MI26	Connector No.	MI26
Connector Name	NAVI CONTROL UNIT	Connector Name	FRONT PASSENGER AIR BAG OFF INDICATOR	Connector Name	FRONT PASSENGER AIR BAG OFF INDICATOR	Connector Name	FRONT PASSENGER AIR BAG OFF INDICATOR
Connector Type	GT17-8P	Connector Type	TK02FBR	Connector Type	TK02FBR	Connector Type	TK02FBR
Terminal No.	45	Terminal No.	1	Terminal No.	1	Terminal No.	1
Color of Wire	B	Color of Wire	J	Color of Wire	J	Color of Wire	J
Signal Name [Specification]	USB GND	Signal Name [Specification]	SHIELD	Signal Name [Specification]	SHIELD	Signal Name [Specification]	SHIELD
46	W	2	G	2	G	2	W
Signal Name [Specification]	USB D+ SIGNAL	Signal Name [Specification]	SHIELD	Signal Name [Specification]	SHIELD	Signal Name [Specification]	SHIELD
47	G	3	B	3	B	3	G
Signal Name [Specification]	USB D- SIGNAL	Signal Name [Specification]	SHIELD	Signal Name [Specification]	SHIELD	Signal Name [Specification]	SHIELD
48	R	4	B	4	B	4	R
Signal Name [Specification]	V BUS SIGNAL	Signal Name [Specification]	SHIELD	Signal Name [Specification]	SHIELD	Signal Name [Specification]	SHIELD

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CONNECTOR INFORMATION

< WIRING DIAGRAM >

MAIN HARNESS					
Connector No.	M302	Connector No.	M315		
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)	Connector Name	AUDIO UNIT		
Connector Type	TK08FDY	Connector Type	GT13SH-2/IS-HU		
Terminal No.	Color of Wire	Signal Name [Specification]	Terminal No.	Color of Wire	Signal Name [Specification]
13	R	-	61	-	ANTENNA AMP. ON SIGNAL
14	W	-	62	-	ANTENNA SIGNAL
15	L	-			
16	B	-	Connector No.	M316	
17	BR	-	Connector Name	NAVI CONTROL UNIT	
18	G	-	Connector Type	GT13SH-2/IS-HU	
19	P	-			
20	Y	-			
Connector No.	M303	Connector No.	M317		
Connector Name	TEL ADAPTER UNIT	Connector Name	NAVI CONTROL UNIT		
Connector Type	GT16C-IS-HU	Connector Type	FAPRA connector, Female, Code C		
Terminal No.	Color of Wire	Signal Name [Specification]	Terminal No.	Color of Wire	Signal Name [Specification]
33	-	TEL ANTENNA SIGNAL	54	-	GPS ANTENNA SIGNAL
34	-	SHIELD	55	-	SHIELD
Connector No.	M308	Connector No.	M311		
Connector Name	WIRE TO WIRE	Connector Name	WIRE TO WIRE		
Connector Type	GT13SSN-1/IS-HU	Connector Type	GT16C-IS-HU		
Terminal No.	Color of Wire	Signal Name [Specification]	Terminal No.	Color of Wire	Signal Name [Specification]
1	-	-	1	-	-
2	-	-			
Connector No.	M309	Connector No.	M312		
Connector Name	WIRE TO WIRE	Connector Name	WIRE TO WIRE		
Connector Type	GT13SSN-1/IPP-HU	Connector Type	GT16C-IPP-HU		
Terminal No.	Color of Wire	Signal Name [Specification]	Terminal No.	Color of Wire	Signal Name [Specification]
1	-	-	1	-	-
2	-	-			
Connector No.	M310	Connector No.	M313		
Connector Name	ANTENNA BASE	Connector Name	ANTENNA BASE		
Connector Type	GT13SSN-1/IPP-HU	Connector Type	GT16C-IPP-HU		
Terminal No.	Color of Wire	Signal Name [Specification]	Terminal No.	Color of Wire	Signal Name [Specification]
1	-	-	1	-	-
2	-	-			
Connector No.	M316	Connector No.	M319		
Connector Name	ANTENNA AMP. ON SIGNAL	Connector Name	ANTENNA AMP. ON SIGNAL		
Connector Type	GT13SH-2/IS-HU	Connector Type	GT13SH-2/IS-HU		
Terminal No.	Color of Wire	Signal Name [Specification]	Terminal No.	Color of Wire	Signal Name [Specification]
70	-	ANTENNA AMP. ON SIGNAL	54	-	GPS ANTENNA SIGNAL
71	-	ANTENNA SIGNAL	55	-	SHIELD

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CONNECTOR INFORMATION

< WIRING DIAGRAM >

MAIN HARNESS	
Connector No.	RM48
Connector Name	BLOWER FAN RESISTOR
Connector Type	-

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

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CONNECTOR INFORMATION

< WIRING DIAGRAM >

R Room Lamp Harness

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ROOM LAMP HARNESS

Connector No.	R11
Connector Name	SUNROOF MOTOR ASSEMBLY
Connector Type	YFA10FGY



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

Connector No.	R5
Connector Name	SUNROOF SWITCH
Connector Type	TK03FW



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

Connector No.	R10
Connector Name	WIRE TO WIRE
Connector Type	NS06MW-CS



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

Connector No.	R3
Connector Name	WIRE TO WIRE
Connector Type	NS06FW-CS



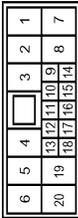
Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
2	L/W	-
3	G	-
4	Y	-
5	W	-
6	R/Y	-

Connector No.	R4
Connector Name	MAP LAMP
Connector Type	GAA08FW



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

Connector No.	R1
Connector Name	WIRE TO WIRE
Connector Type	NH10FW-CS10



Terminal No.	Color of Wire	Signal Name [Specification]
3	B	-
4	W	-
5	L/W	-
6	R/Y	-
7	V	-
8	V	-
9	V	-
10	R	-
11	R	-
12	SHIELD	-
13	L	-
14	L	-
15	L	-
16	L	-
17	L	-
18	L	-
19	L	-
20	L	-

Connector No.	R2
Connector Name	MICROPHONE
Connector Type	TK04FW



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

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BATTERY INSPECTION

< BASIC INSPECTION >

BASIC INSPECTION

BATTERY INSPECTION

How to Handle Battery

INFOID:000000007799417

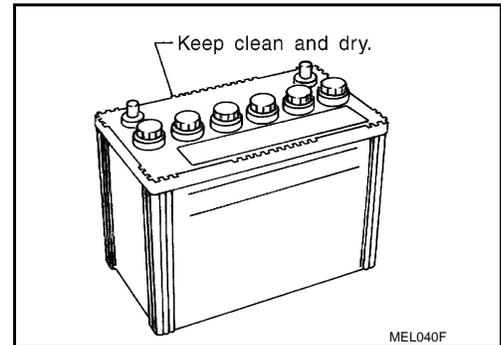
CAUTION:

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

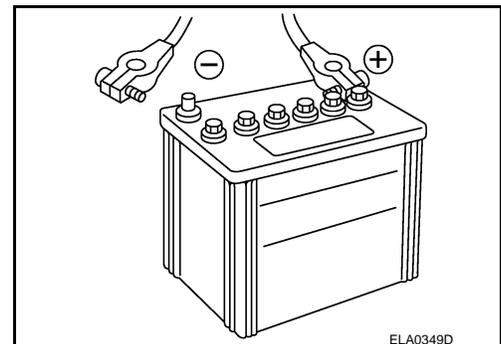
METHODS OF PREVENTING OVER-DISCHARGE

The following precautions must be taken to prevent over-discharging a battery.

- The battery surface (particularly its top) should always be kept clean and dry.
- The terminal connections should be clean and tight.
- At every routine maintenance, check the electrolyte level.
This also applies to batteries designated as "low maintenance" and "maintenance-free".



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



Work Flow

INFOID:000000007799418

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

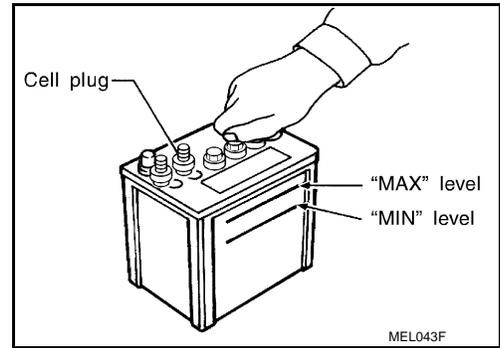
WARNING:

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

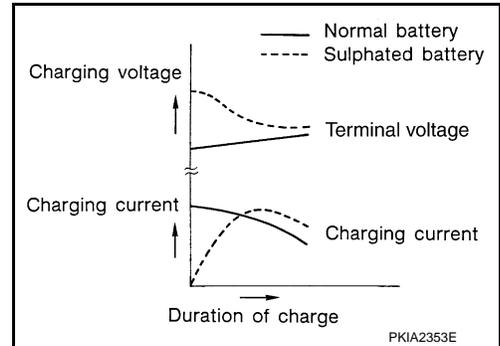
< BASIC INSPECTION >

- 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.



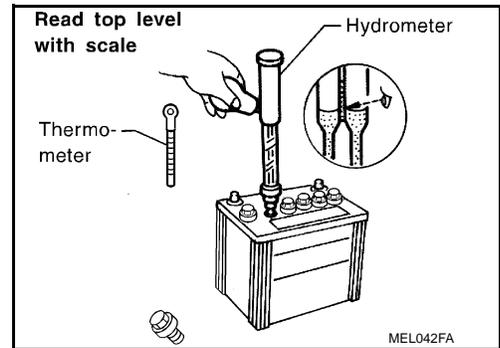
Specific Gravity Check

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

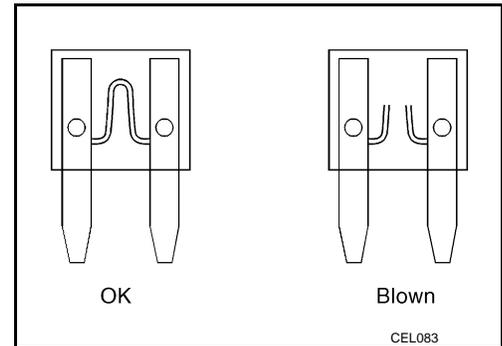
< BASIC INSPECTION >

FUSE INSPECTION

How To Check

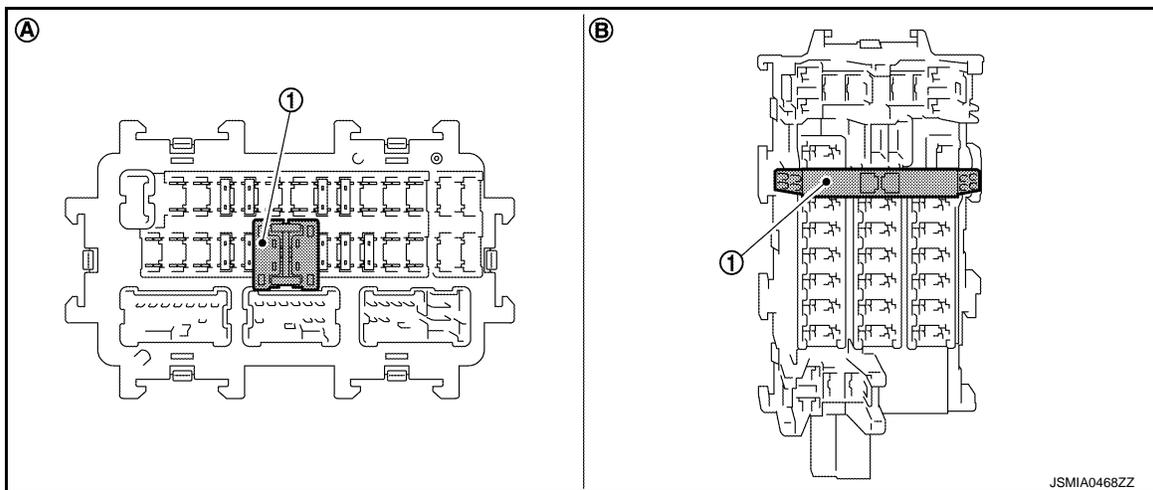
INFOID:000000007578577

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



EXTENDED STORAGE SWITCH (IF EQUIPPED)

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



1. Extended storage switch

A. Type A

B. Type B

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

How To Extended Storage Switch ON/OFF

CAUTION:

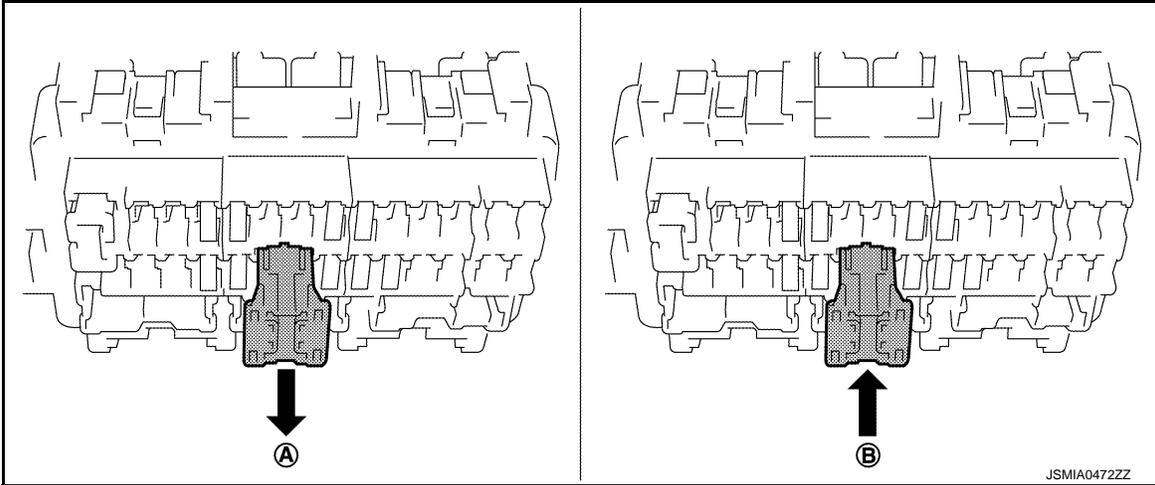
- Turn the ignition switch OFF when operating the extended storage switch.
- Under normal conditions, keep the extended storage switch in ON state. Never operate the extended storage switch except when necessary.

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FUSE INSPECTION

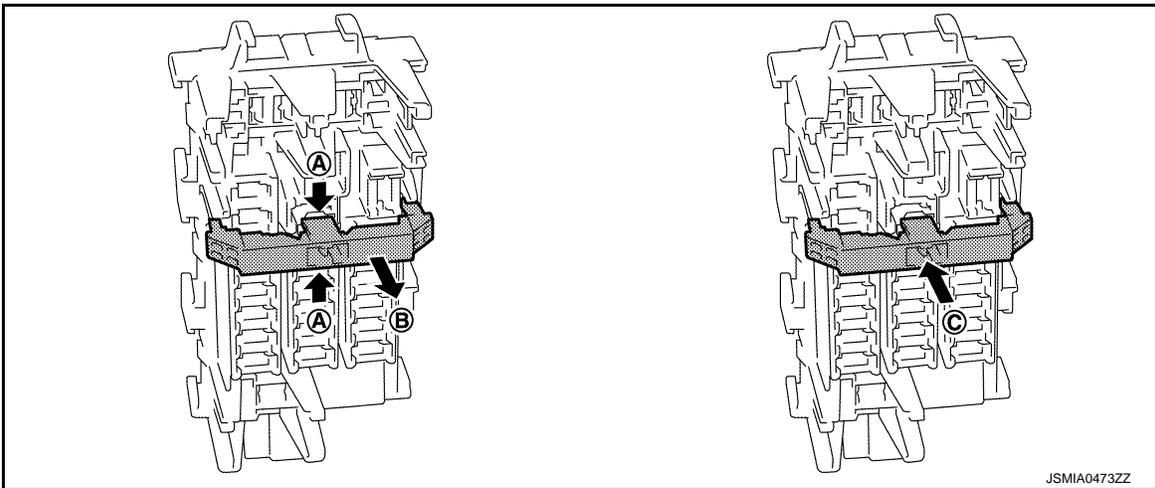
< BASIC INSPECTION >

• Type A



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

• Type B

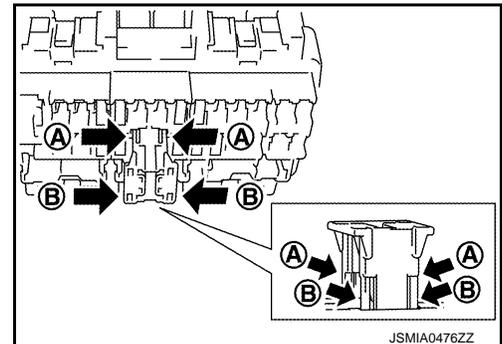


- To turn the extended storage switch OFF, hold (A) of the switch and pull up in (B) direction as shown in the figure.
- To turn the extended storage switch ON, press it in (C) direction as shown in the figure.

How To Remove Extended Storage Switch

Type A

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



NOTE:

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

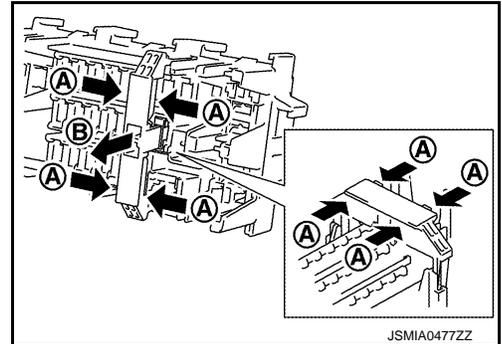
FUSE INSPECTION

< BASIC INSPECTION >

- Extended storage 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 switch OFF.
3. Hold (A) and pull up the extended storage switch hard in (B) direction.



NOTE:

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

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FUSIBLE LINK INSPECTION

< BASIC INSPECTION >

FUSIBLE LINK INSPECTION

How To Check

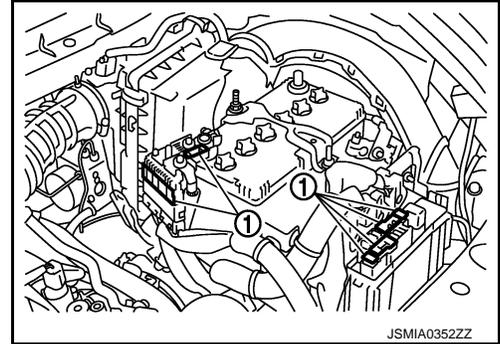
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A melted fusible link can be detected either by visual inspection or by feeling with finger tip. If its condition is questionable, use circuit tester or test lamp.

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

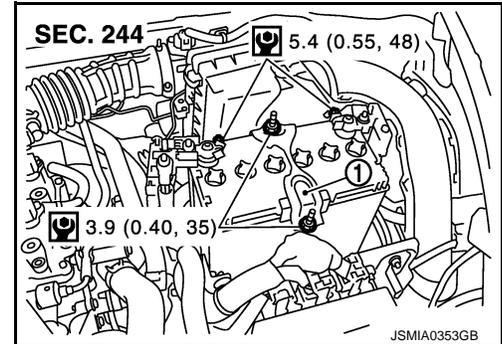
BATTERY

Exploded View

INFOID:000000007578579

1 : Battery fix frame

 :N·m (kg·m, in·lb)



Removal and Installation

INFOID:000000007578580

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"](#).

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BATTERY TERMINAL WITH FUSIBLE LINK

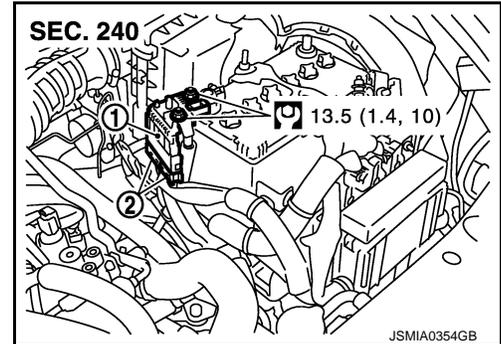
< REMOVAL AND INSTALLATION >

BATTERY TERMINAL WITH FUSIBLE LINK

Exploded View

INFOID:000000007578581

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



Removal and Installation

INFOID:000000007578582

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.

SERVICE DATA AND SPECIFICATIONS (SDS)

< SERVICE DATA AND SPECIFICATIONS (SDS)

SERVICE DATA AND SPECIFICATIONS (SDS)

SERVICE DATA AND SPECIFICATIONS (SDS)

Battery

INFOID:0000000007578583

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

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