

SECTION **PG**

**POWER SUPPLY, GROUND & CIRCUIT ELEMENTS**

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## BASIC INSPECTION

### BATTERY

#### How to Handle Battery

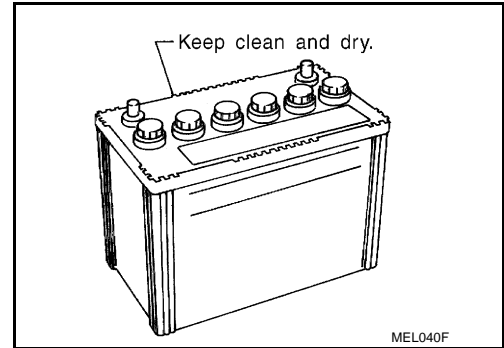
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**CAUTION:**

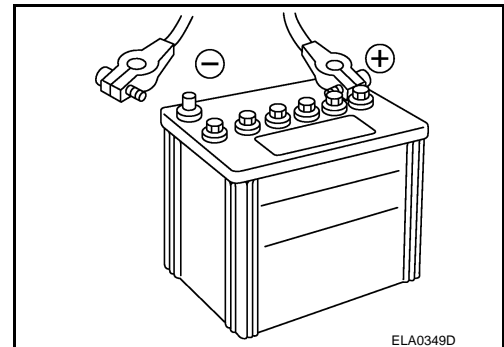
- If it becomes necessary to start the engine with a booster battery and jumper cables, use a 12-volt booster battery.
- After connecting battery cables, ensure that they are tightly clamped to battery terminals for good contact.
- Never add distilled water through the hole used to check specific gravity.

#### 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

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#### 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.

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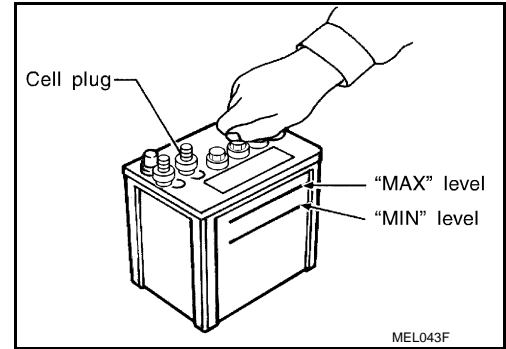
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# BATTERY

## [POWER SUPPLY & GROUND CIRCUIT]

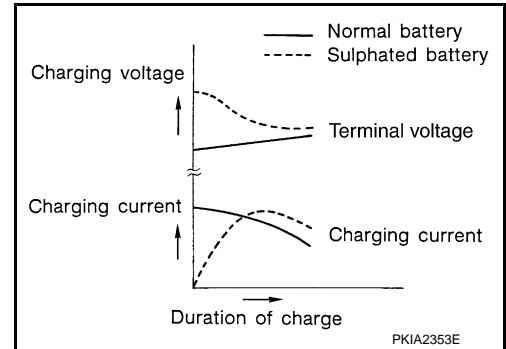
### < BASIC INSPECTION >

- 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.



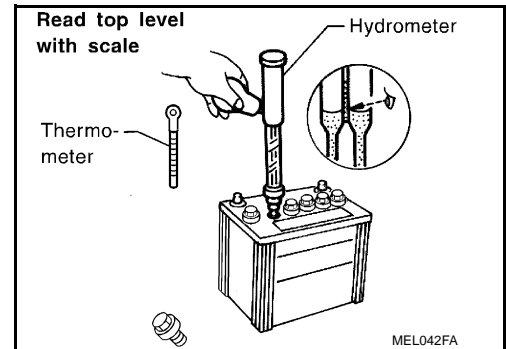
### Specific Gravity Check

#### 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

< BASIC INSPECTION >

[POWER SUPPLY & GROUND CIRCUIT]

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.

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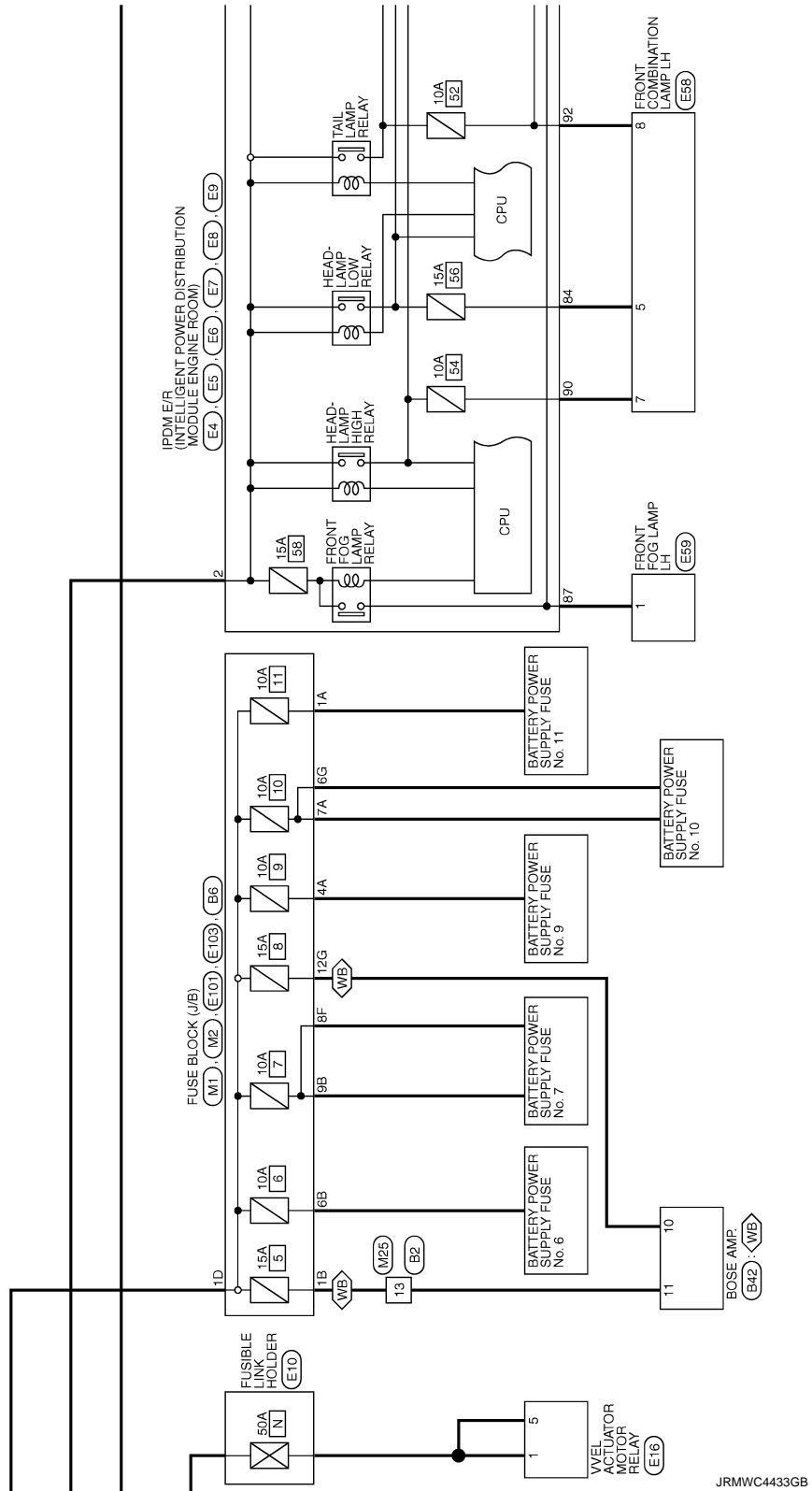


# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

 : With BOSE system



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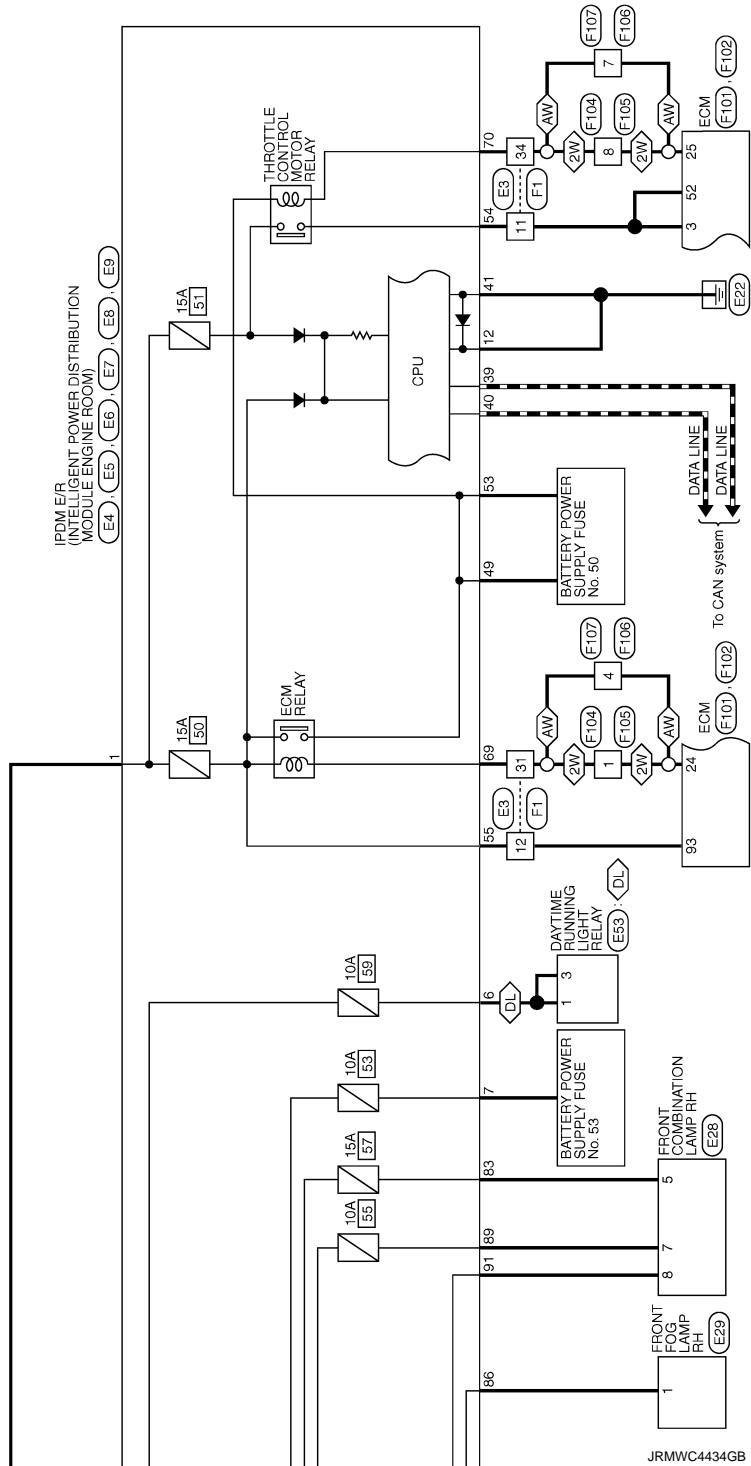
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# POWER SUPPLY ROUTING CIRCUIT

## [POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

- ◊2W: 2WD models
- ◊AW: AWD models
- ◊DL: With daytime running light system






# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >




[POWER SUPPLY & GROUND CIRCUIT]

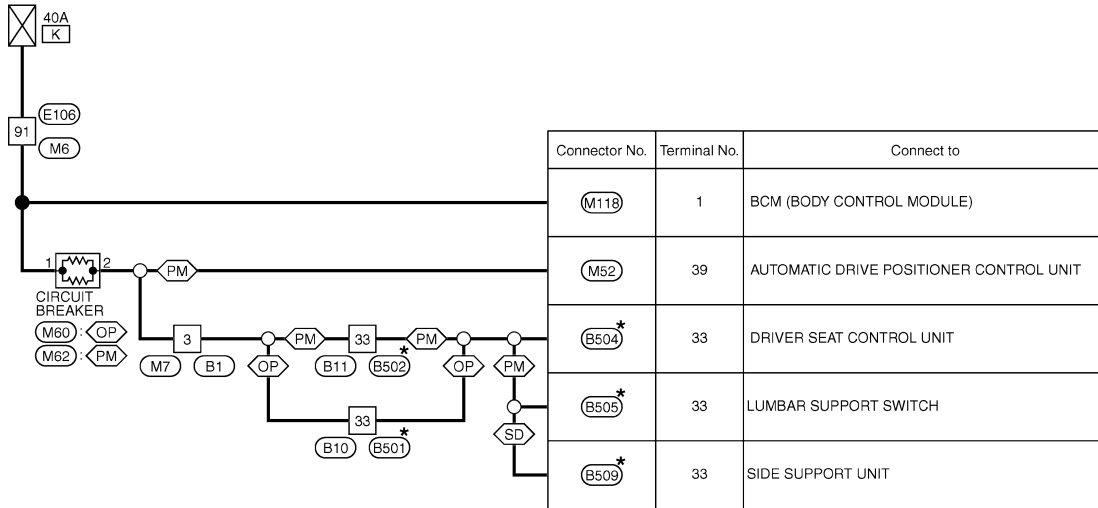
## Wiring Diagram - BATTERY POWER SUPPLY FUSIBLE LINK No. K -

INFOID:000000008159670

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 FUSIBLE LINK No. K

-  : With automatic drive positioner
-  : Without automatic drive positioner
-  : With side support



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

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
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >


[POWER SUPPLY & GROUND CIRCUIT]

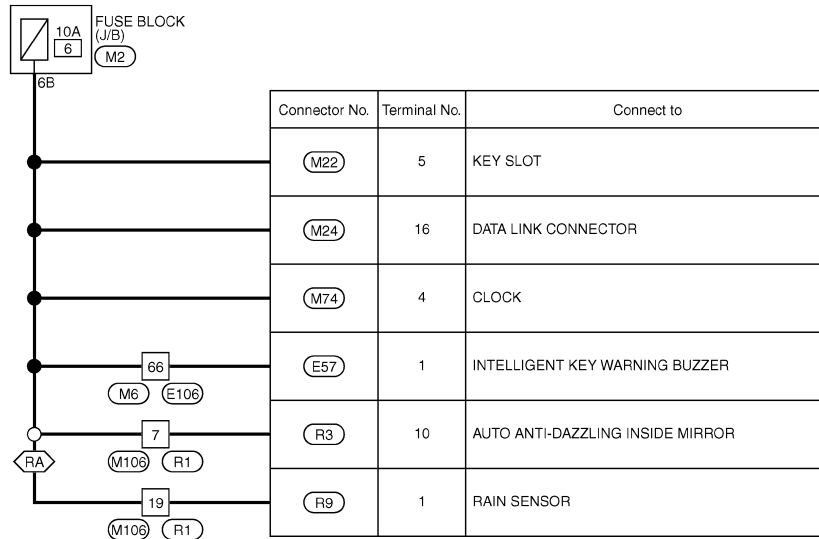
## Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 6 -

INFOID:000000008159671

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. 6

 : With rain sensor



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
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

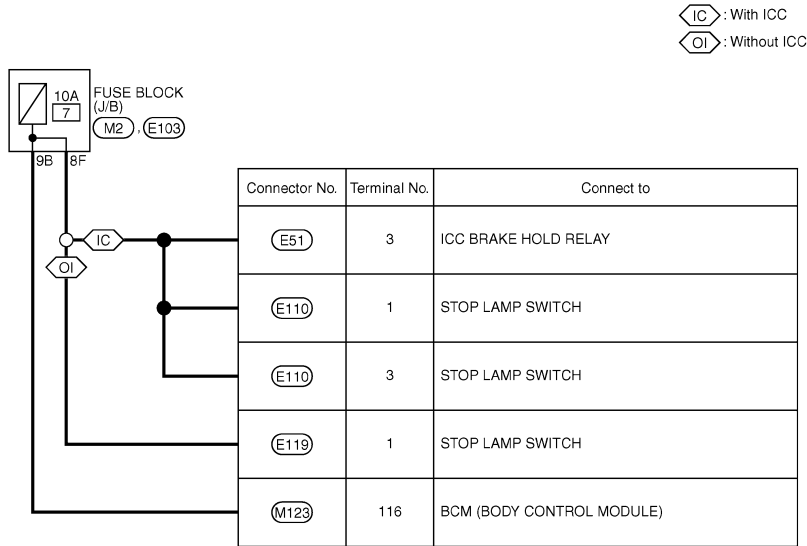
[POWER SUPPLY & GROUND CIRCUIT]



## Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 7 -

INFOID:000000008159672

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

### BATTERY POWER SUPPLY FUSE No. 7



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 : Without ICC

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
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >


[POWER SUPPLY & GROUND CIRCUIT]

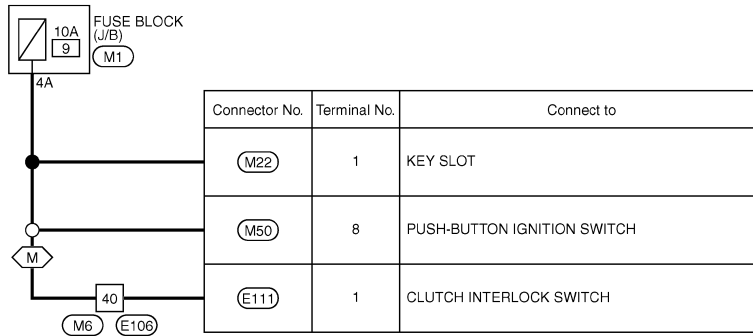
## Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 9 -

INFOID:000000008159673

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. 9

 : With M/T



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
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

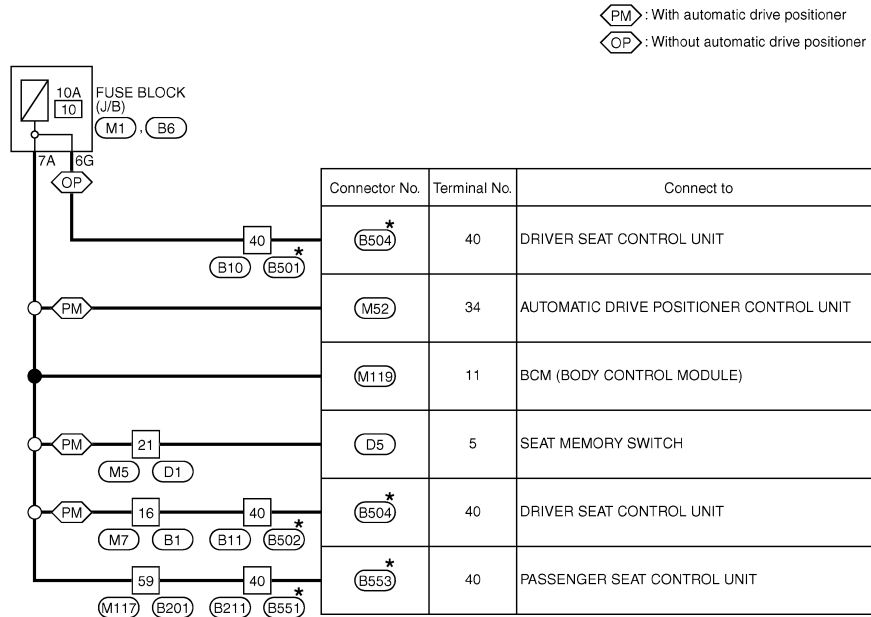
[POWER SUPPLY & GROUND CIRCUIT]



## Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 10 -

INFOID:000000008159674

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. 10



 : With automatic drive positioner  
 : Without automatic drive positioner

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

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
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >


[POWER SUPPLY & GROUND CIRCUIT]

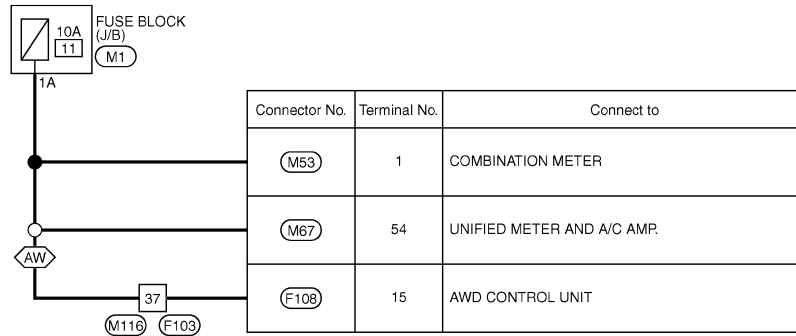
## Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 11 -

INFOID:000000008159675

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. 11

 : AWD models



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
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

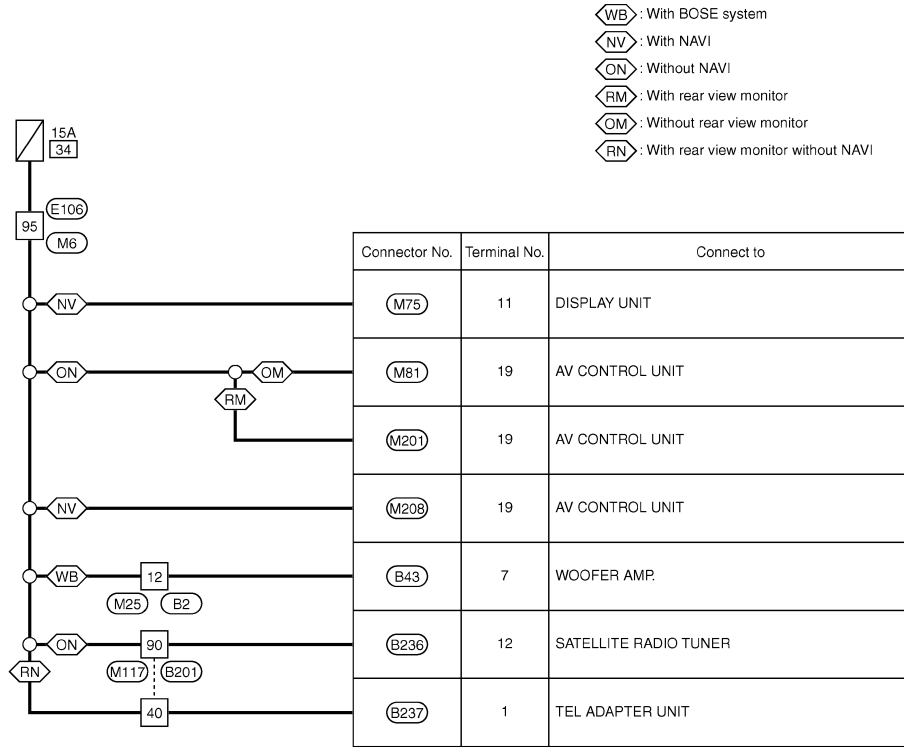
[POWER SUPPLY & GROUND CIRCUIT]







## Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 34 -

INFOID:000000008159676

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 BOSE system
-  : With NAVI
-  : Without NAVI
-  : With rear view monitor
-  : Without rear view monitor
-  : With rear view monitor without NAVI

2010/10/07

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
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

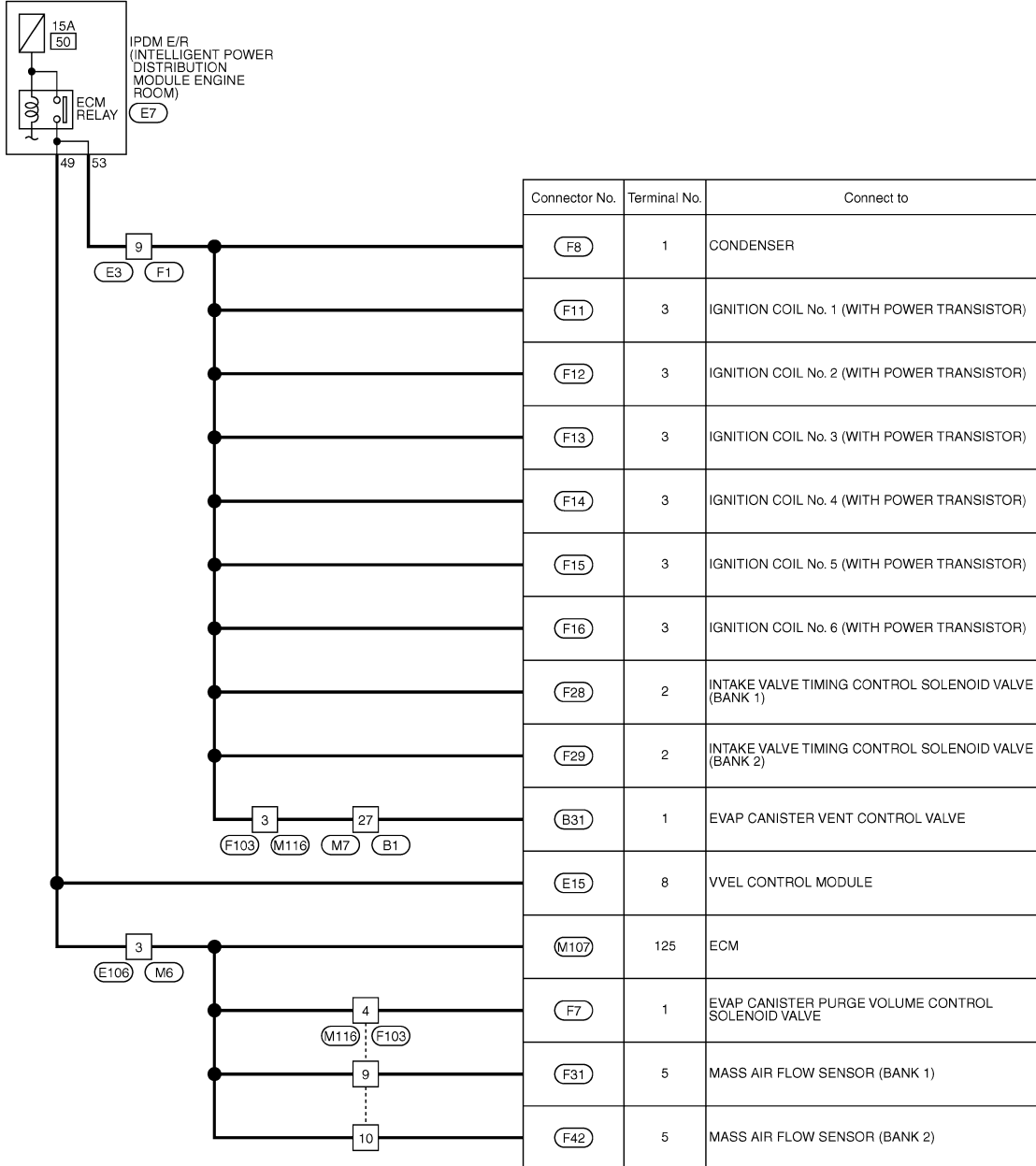
[POWER SUPPLY & GROUND CIRCUIT]

## Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 50 -

INFOID:000000008159677

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. 50



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
# POWER SUPPLY ROUTING CIRCUIT

## [POWER SUPPLY & GROUND CIRCUIT]

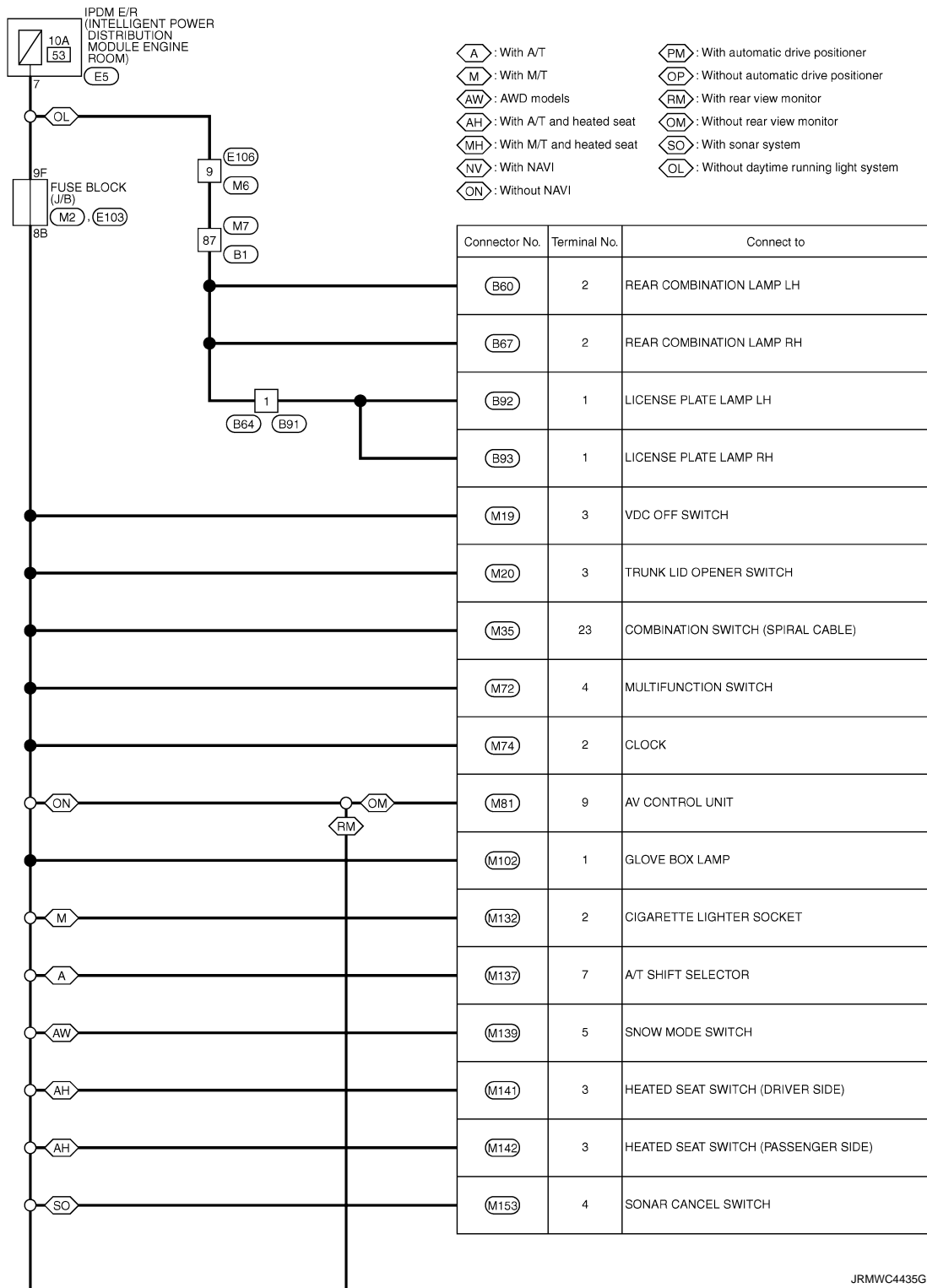
< DTC/CIRCUIT DIAGNOSIS >

### Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 53 -

INFOID:000000008159678

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. 53



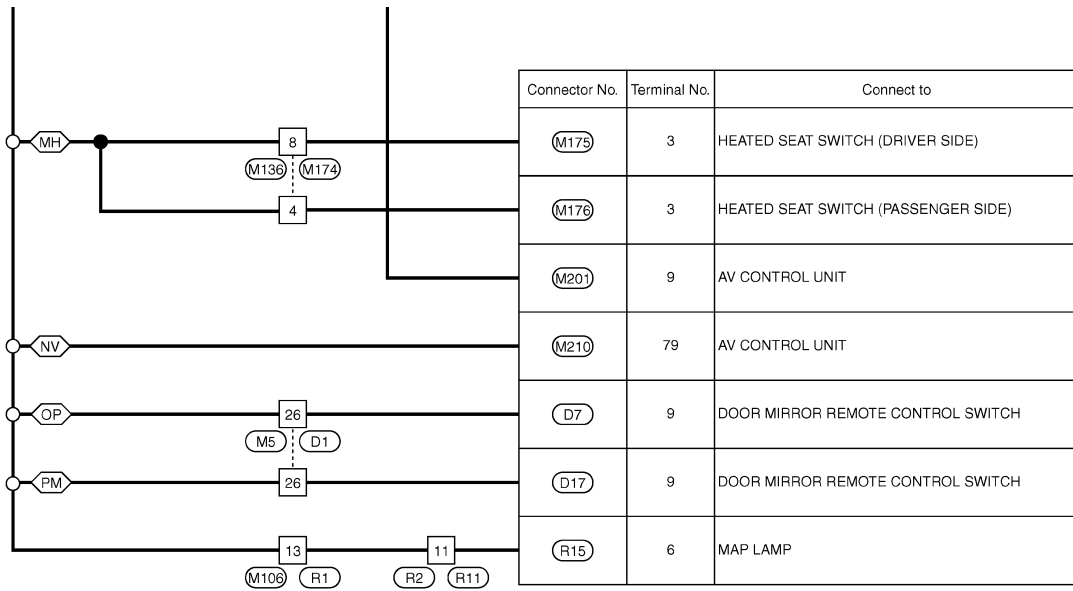
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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]



2011/07/13

JRMWC4436GB


# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

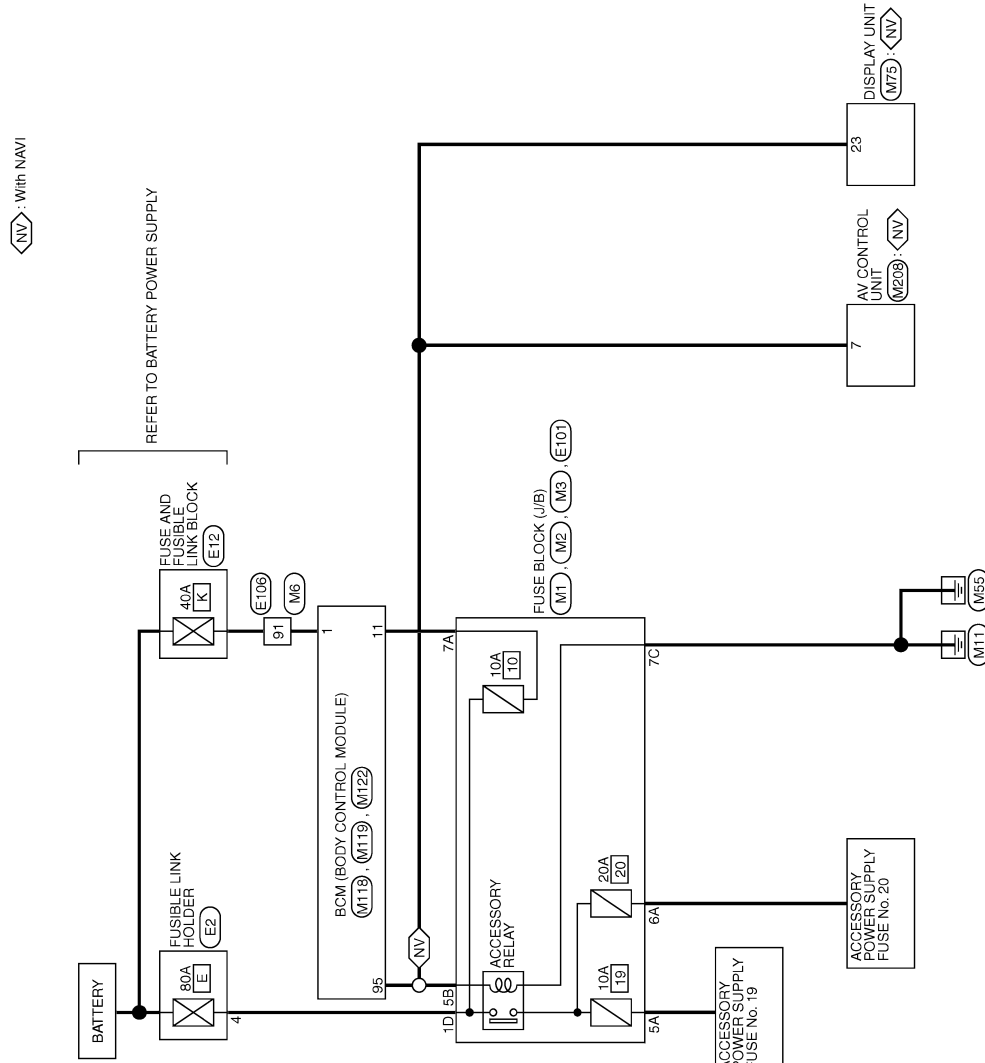
[POWER SUPPLY & GROUND CIRCUIT]


## Wiring Diagram - ACCESSORY POWER SUPPLY -

INFOID:000000008159679

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



: With NAVI

REFER TO BATTERY POWER SUPPLY

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

PG


# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

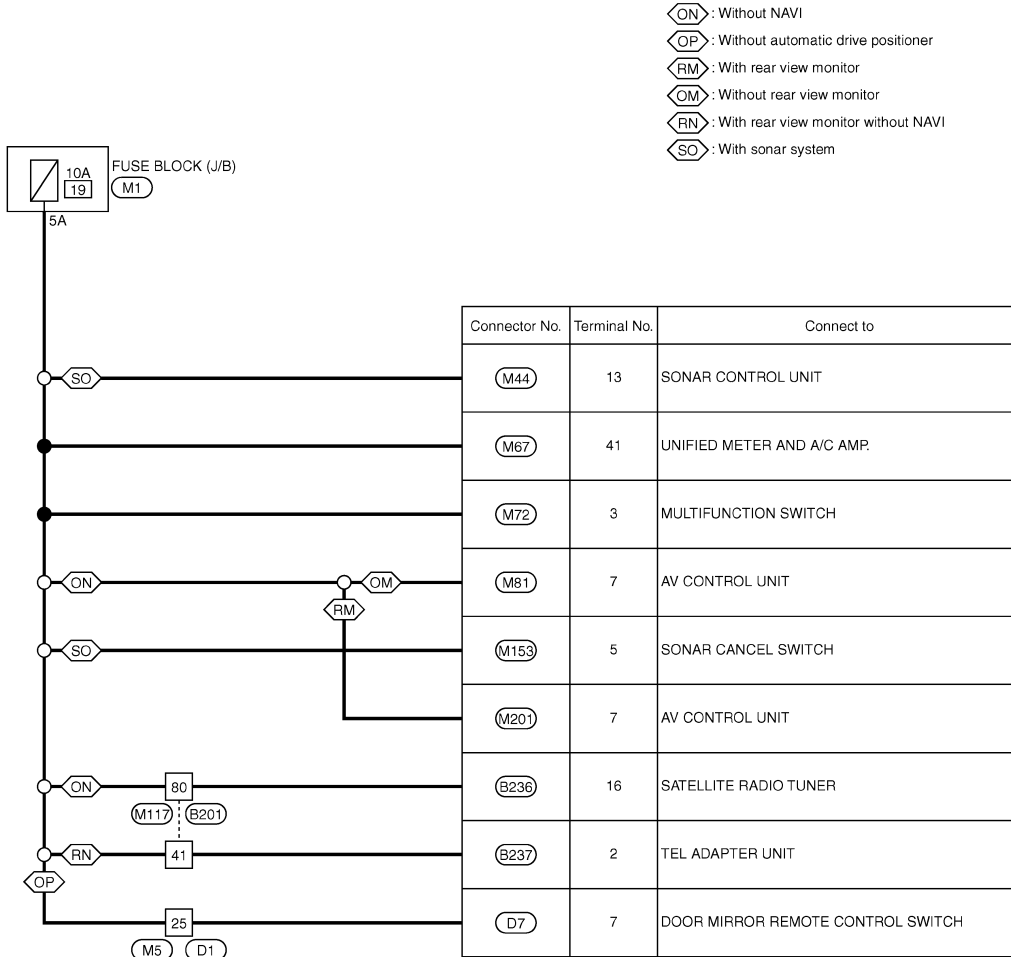
[POWER SUPPLY & GROUND CIRCUIT]







## Wiring Diagram - ACCESSORY POWER SUPPLY FUSE No. 19 -

INFOID:000000008159680

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



-  : Without NAVI
-  : Without automatic drive positioner
-  : With rear view monitor
-  : Without rear view monitor
-  : With rear view monitor without NAVI
-  : With sonar system

2010/10/07

JCMWN0205GB


# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >



[POWER SUPPLY & GROUND CIRCUIT]

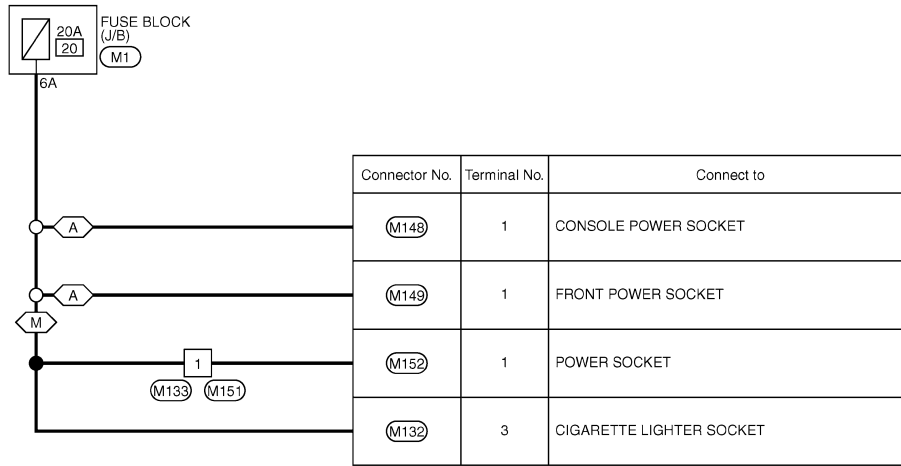
## Wiring Diagram - ACCESSORY POWER SUPPLY FUSE No. 20 -

INFOID:000000008159681

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. 20

 : With A/T  
 : With M/T



2012/02/28

JRMWC9477GB

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

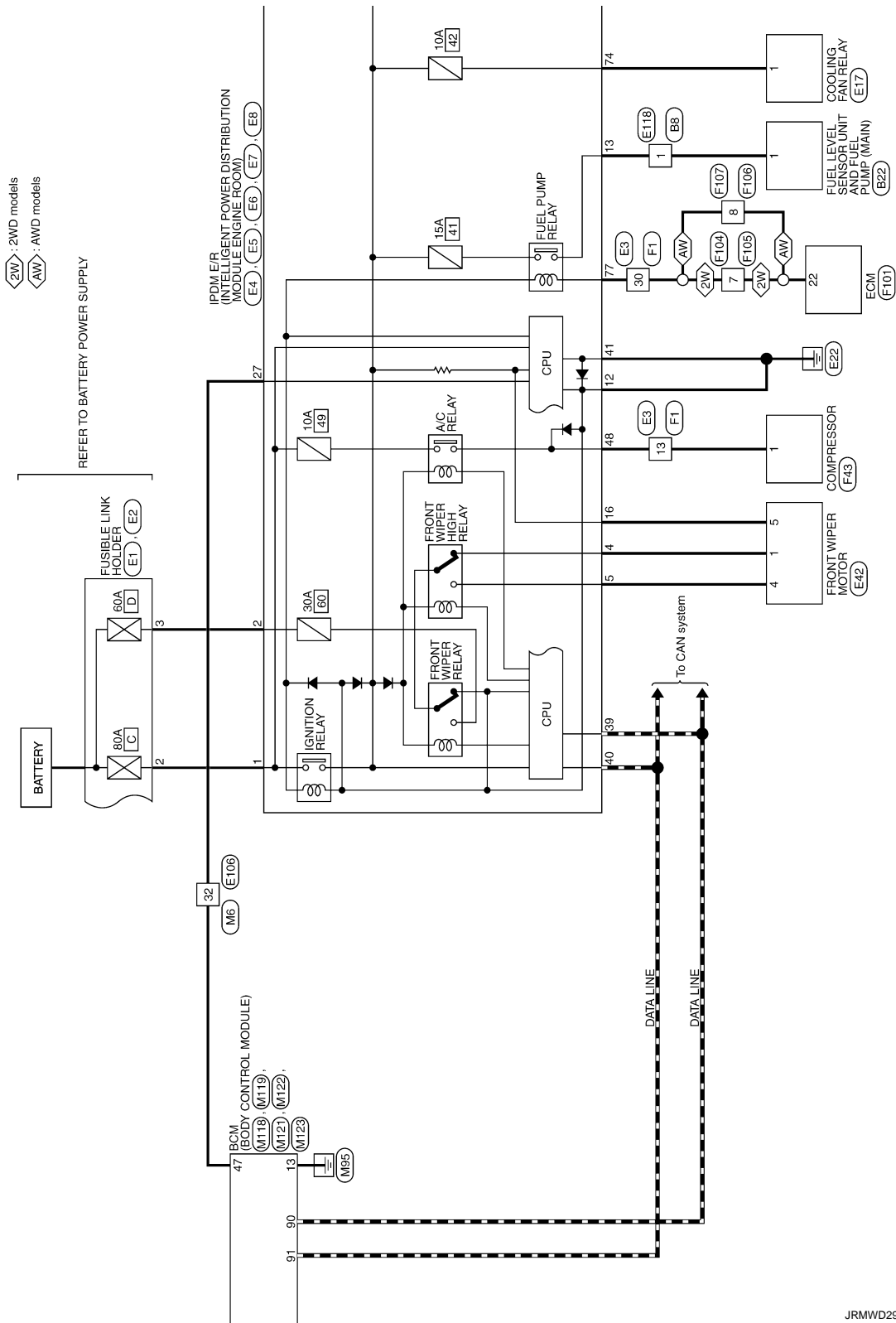
PG



# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]



JRMWD2980GB

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

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

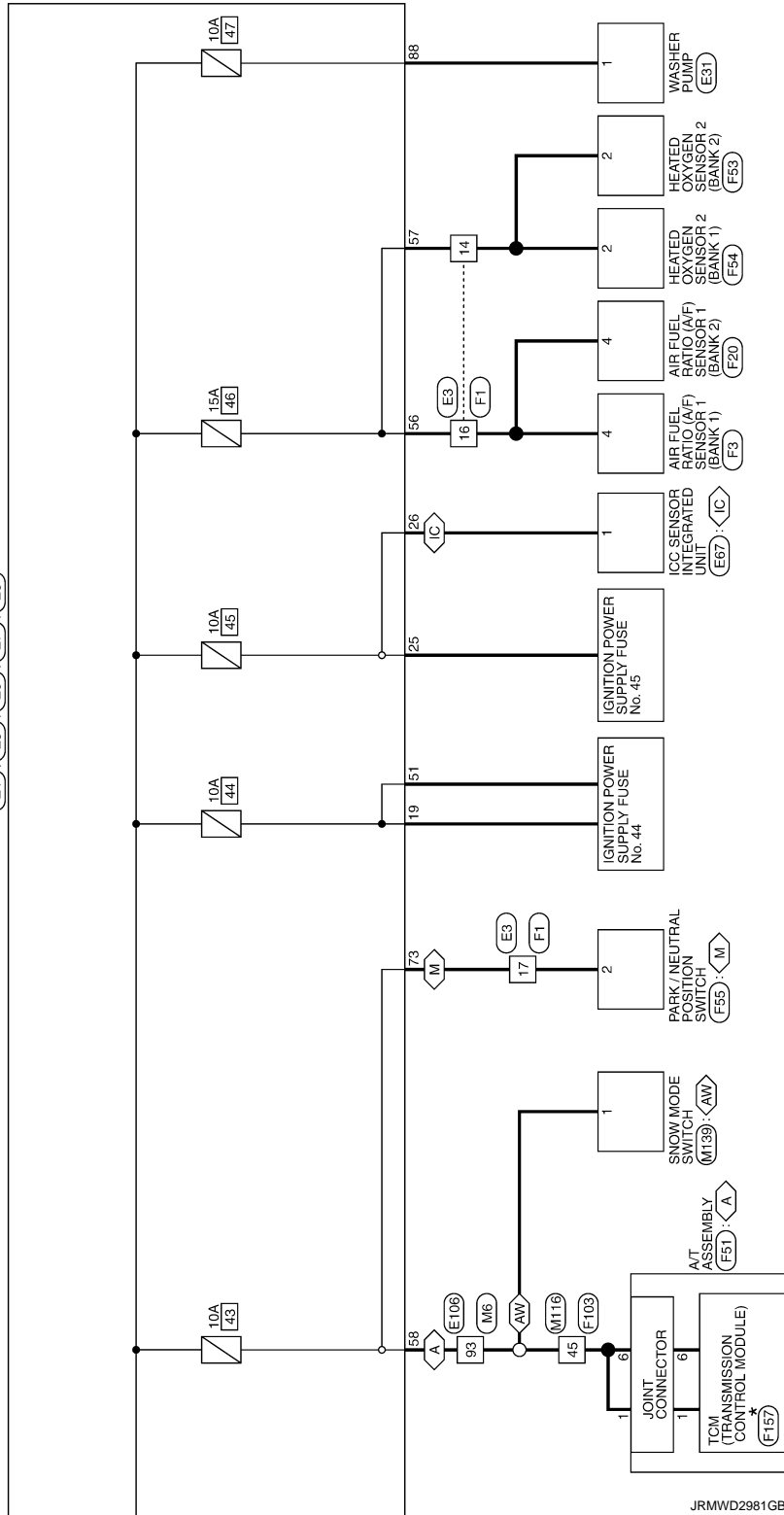
[POWER SUPPLY & GROUND CIRCUIT]

- : With A/T
- : With M/T
- : With ICC
- : AWD models

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

IPDME/R  
(INTELLIGENT POWER DISTRIBUTION  
MODULE ENGINE ROOM)

- 



JRMWD2981 GB




# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

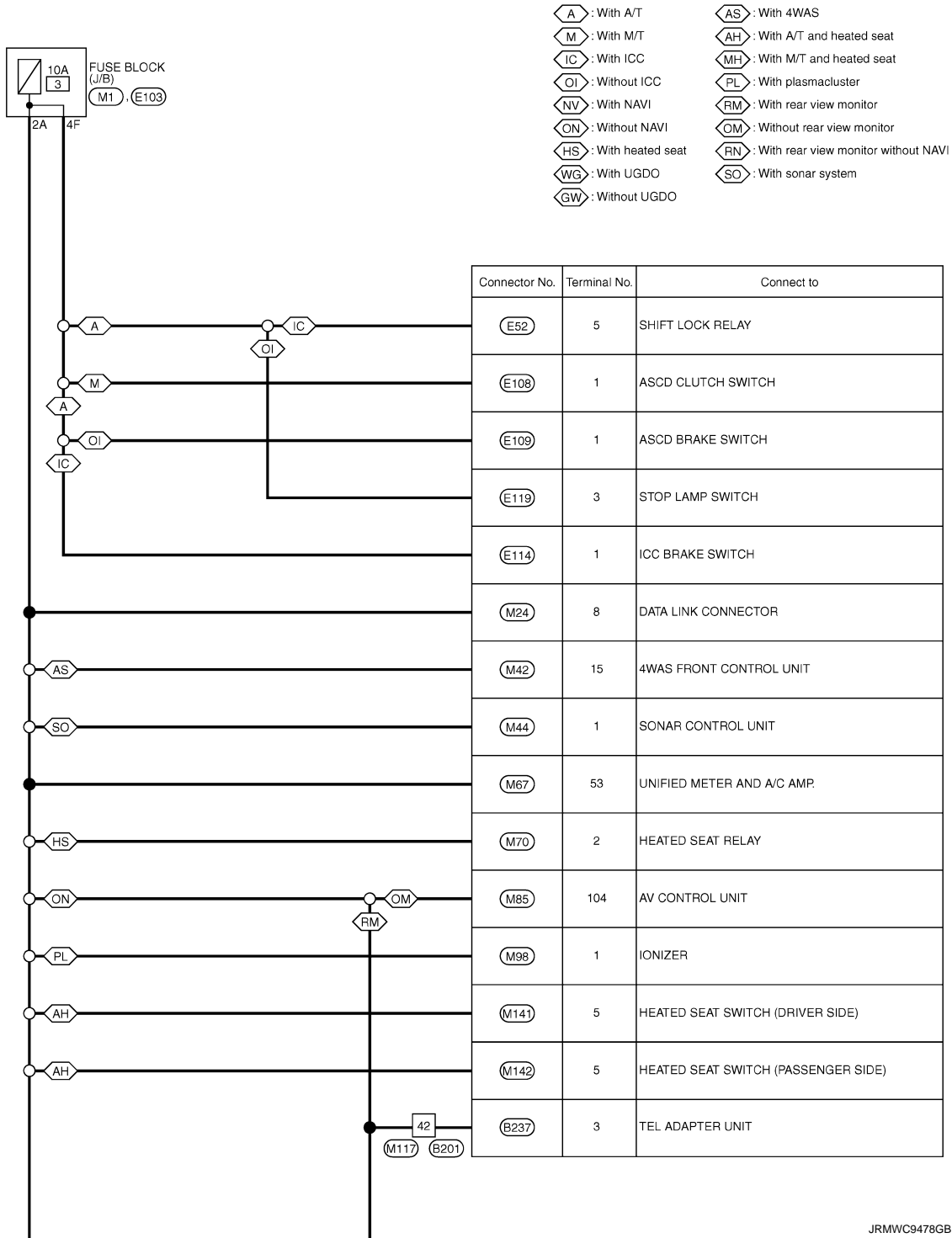
[POWER SUPPLY & GROUND CIRCUIT]

## Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 3 -

INFOID:000000008159683

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

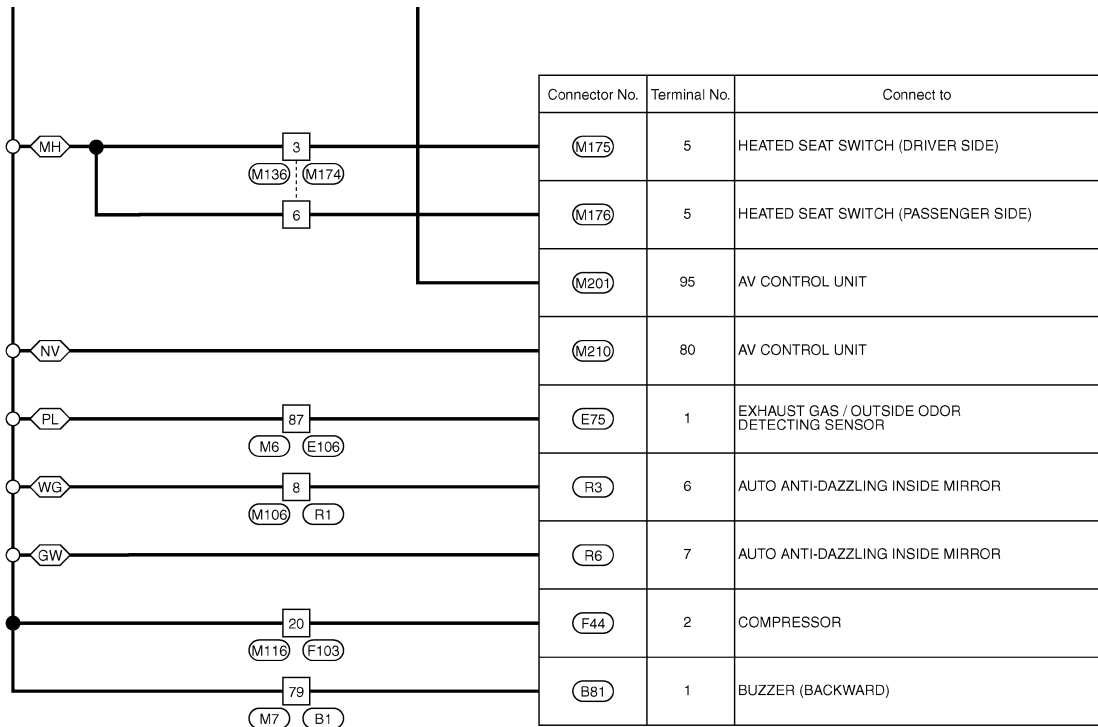


A  
B  
C  
D  
E  
F  
G  
H  
I  
J  
K  
L  
PG  
N  
O  
P

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]



2012/02/28

JRMWC9479GB


# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >



[POWER SUPPLY & GROUND CIRCUIT]

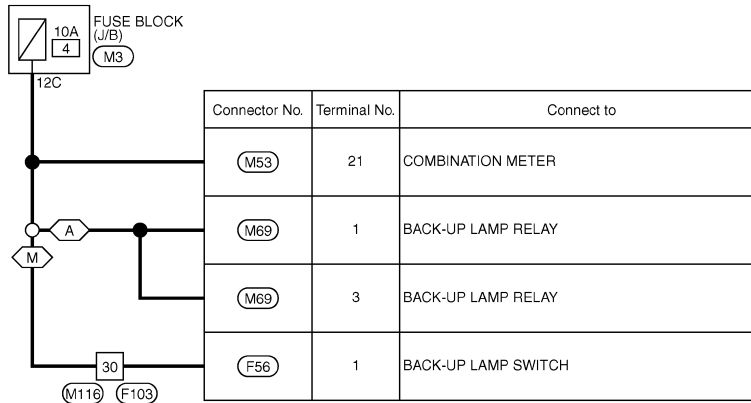
## Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 4 -

INFOID:000000008159684

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. 4

 : With A/T  
 : With M/T



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

2008/08/22

JCMWM3134GB


# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

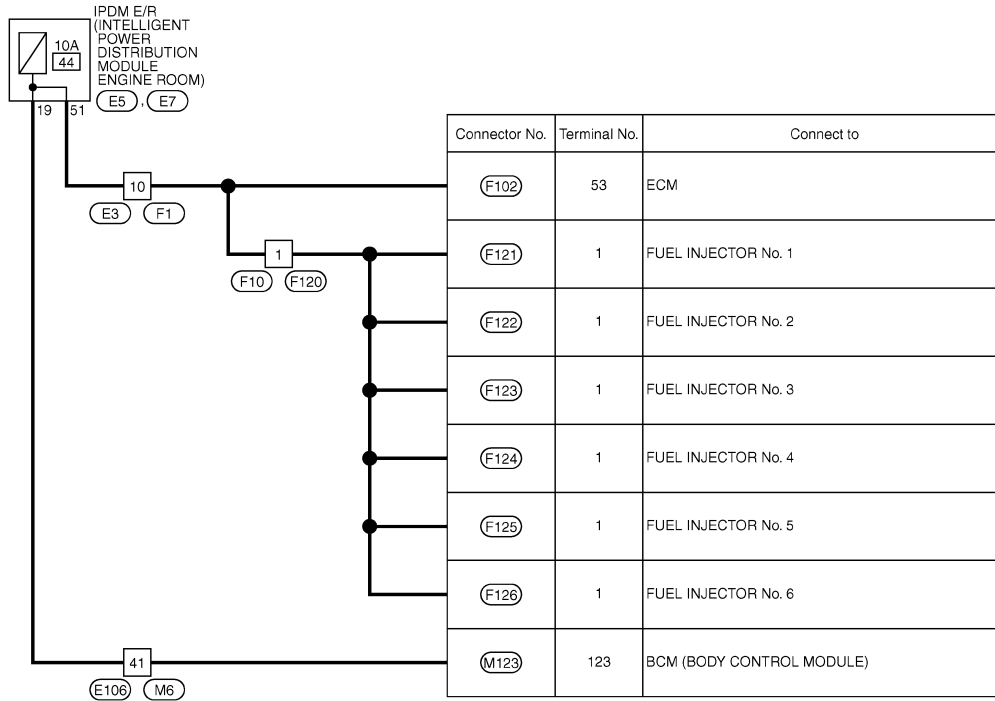
[POWER SUPPLY & GROUND CIRCUIT]

## Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 44 -

INFOID:000000008159685

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. 44



2009/11/05

JCMWM6108GB


# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >




[POWER SUPPLY & GROUND CIRCUIT]

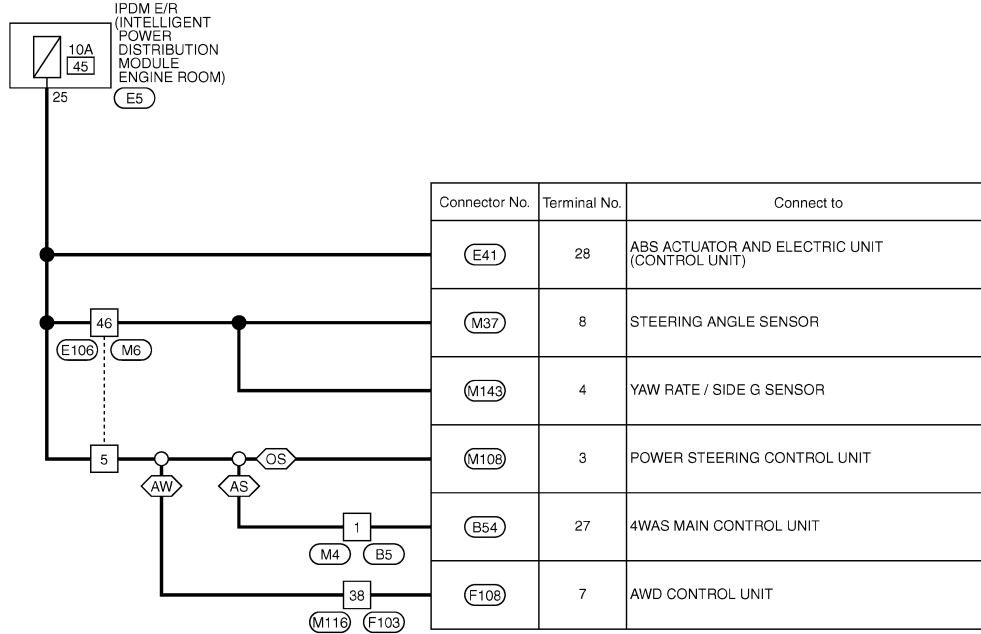
## Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 45 -

INFOID:000000008159686

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. 45

-  : AWD models
-  : With 4WAS
-  : Without 4WAS



2009/11/05

JCMWM6113GB

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

# POWER SUPPLY ROUTING CIRCUIT

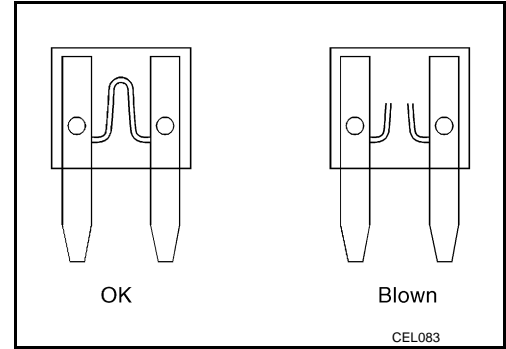
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Fuse

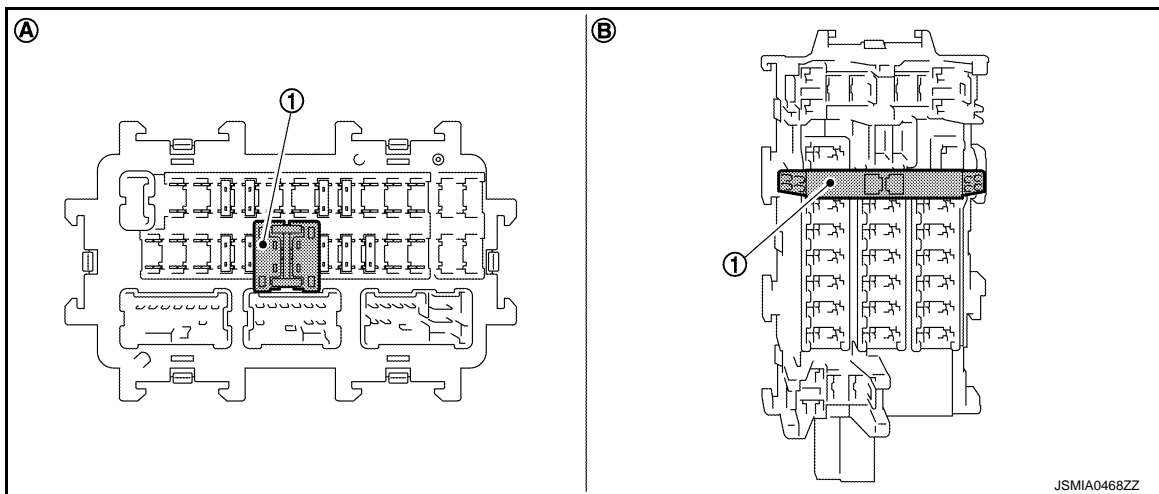
INFOID:000000008159687

- 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:

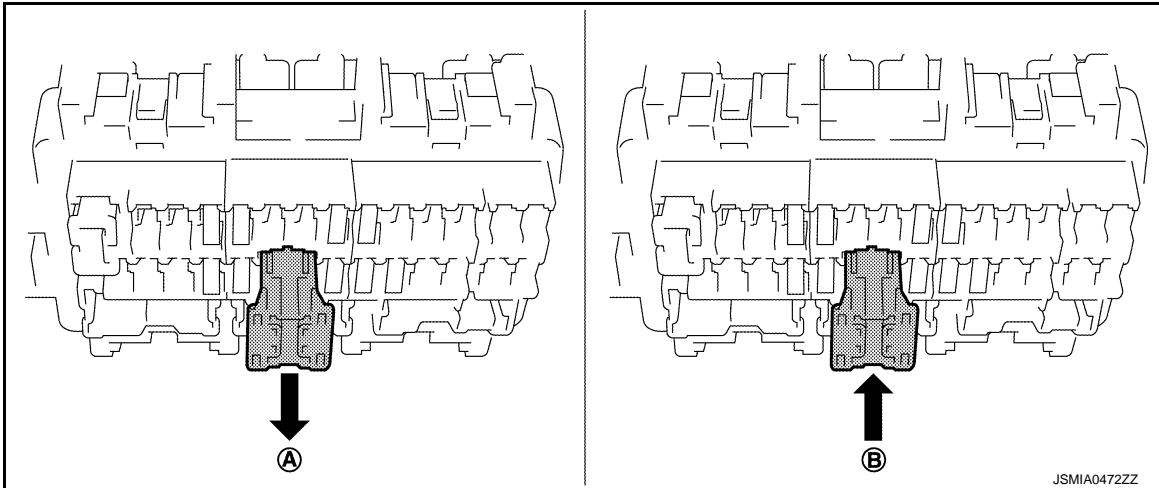
- Turn the ignition switch OFF when operating the extended storage switch.
- Under normal conditions, keep the extended storage switch in ON state. Never operate the extended storage switch except when necessary.

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

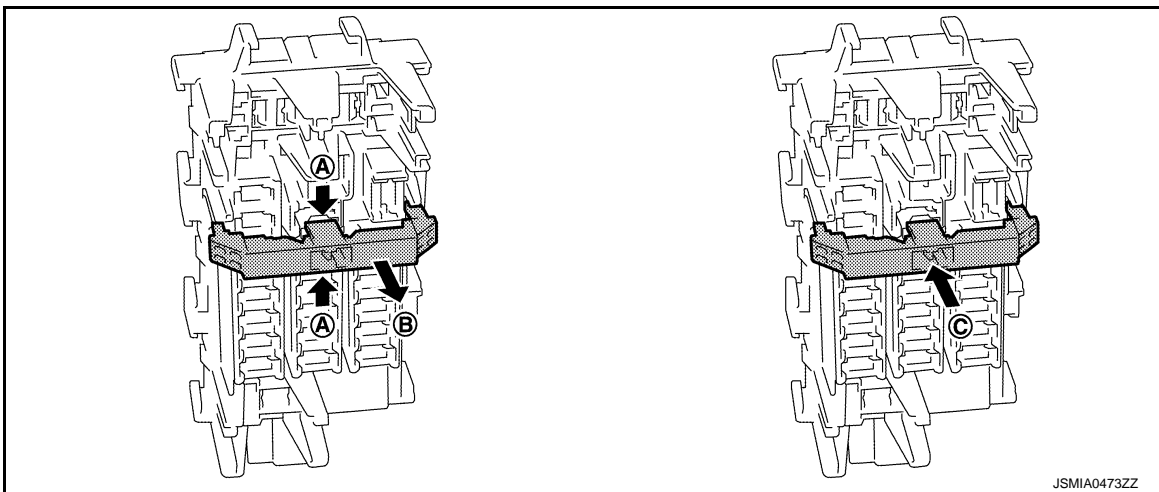
[POWER SUPPLY & GROUND CIRCUIT]

- 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

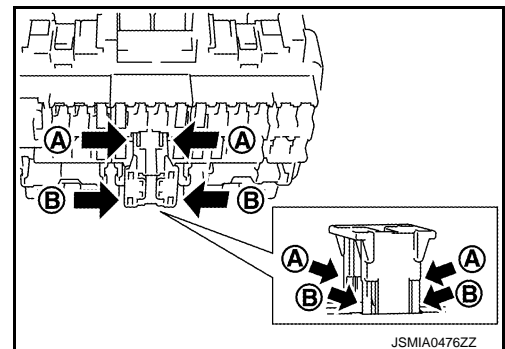


- To turn the extended storage switch OFF, hold (A) of the switch and pull up in (B) direction as shown in the figure.
- To turn the extended storage switch ON, press it in (C) direction as shown in the figure.

## 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.

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

PG

# POWER SUPPLY ROUTING CIRCUIT

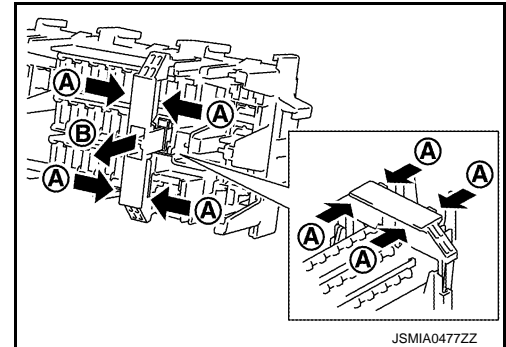
## [POWER SUPPLY & GROUND CIRCUIT]

### < DTC/CIRCUIT DIAGNOSIS >

- 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.

### Fusible Link

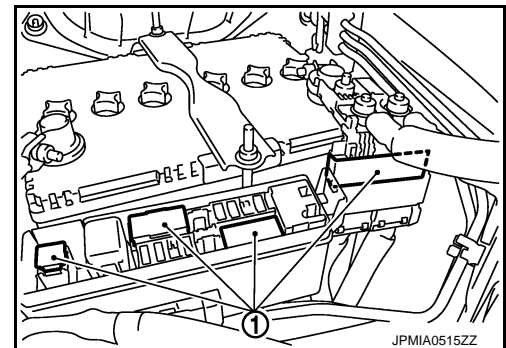
INFOID:000000008159688

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:

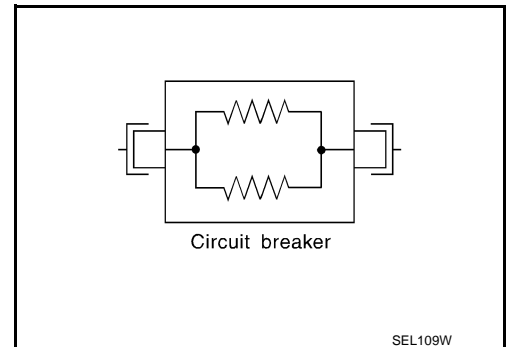
- If fusible link should melt, it is possible that critical circuit (power supply or large current carrying circuit) is shorted. In such a case, carefully check and eliminate cause of malfunction.
- Never wrap outside of fusible link with vinyl tape. Important: Never let fusible link touch any other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



### Circuit Breaker

INFOID:000000008159688

The PTC thermistor generates heat in response to current flow. The temperature (and resistance) of the thermistor element varies with current flow. Excessive current flow will cause the element's temperature to rise. When the temperature reaches a specified level, the electrical resistance will rise sharply to control the circuit current. Reduced current flow will cause the element to cool. Resistance falls accordingly and normal circuit current flow is allowed to resume.





# HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >






[POWER SUPPLY & GROUND CIRCUIT]

## HARNESS LAYOUT

### How To Read Harness Layout

INFOID:000000008159690

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

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

JPMIA0114GB

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

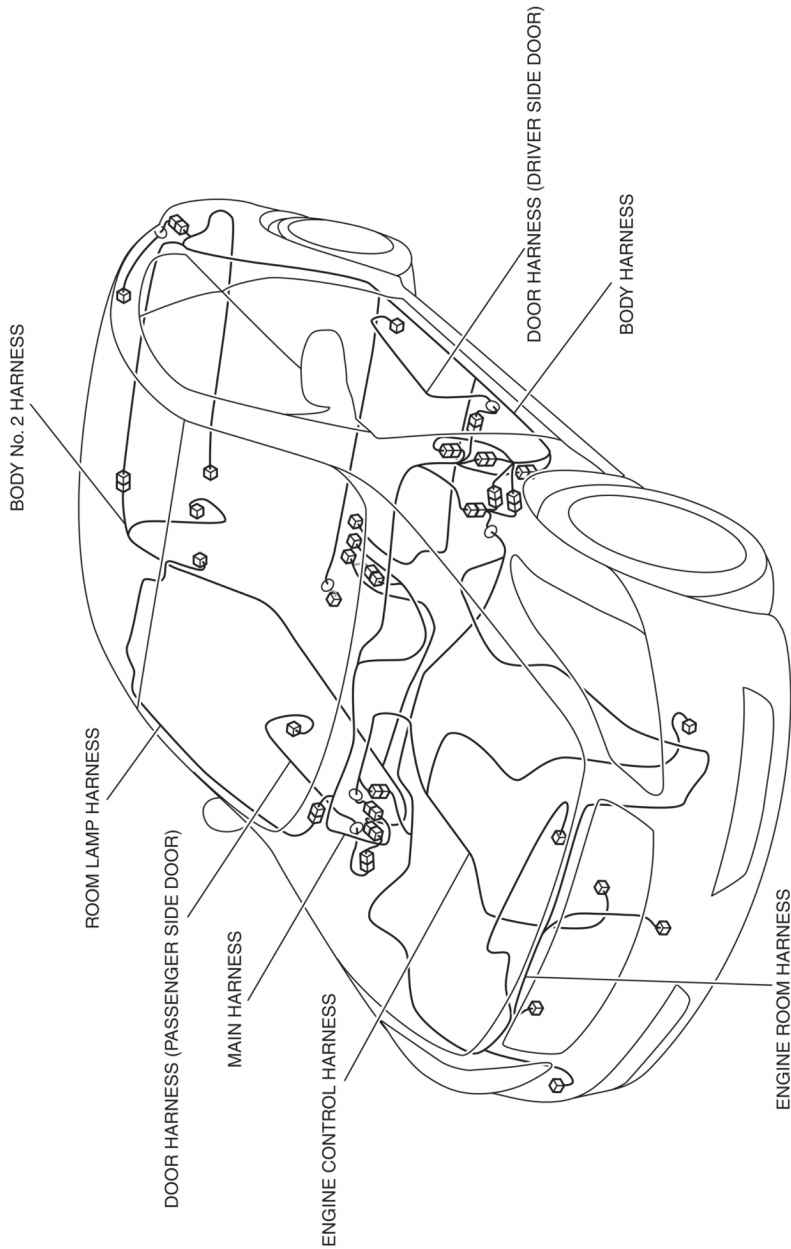
# HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Outline

INFOID:000000008769636



OUTLINE

2012/07/05

JRMIC1889GB

# HARNESS LAYOUT

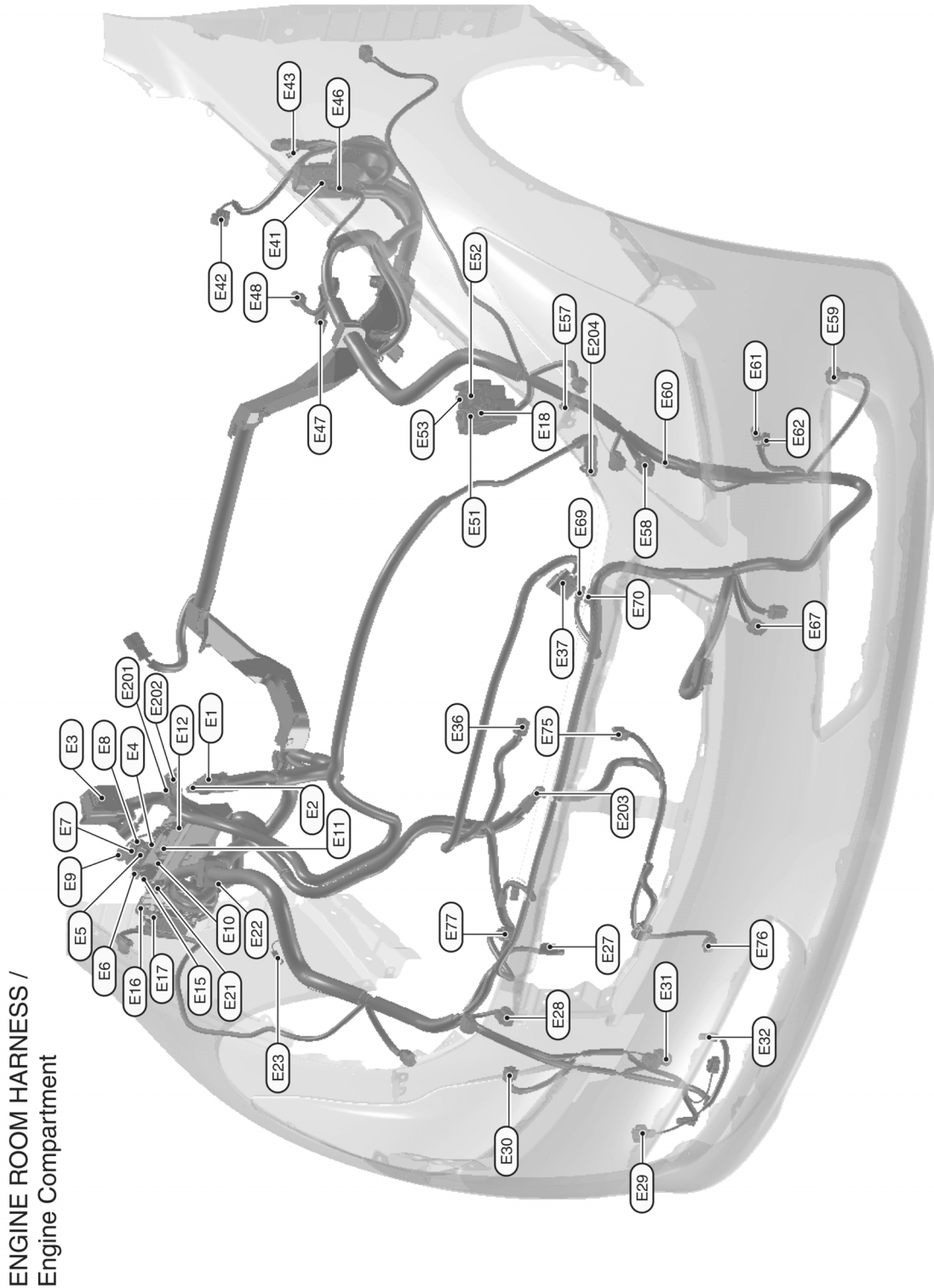
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Engine Room Harness

INFOID:000000008159691

### ENGINE COMPARTMENT



ENGINE ROOM HARNESS /  
Engine Compartment

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

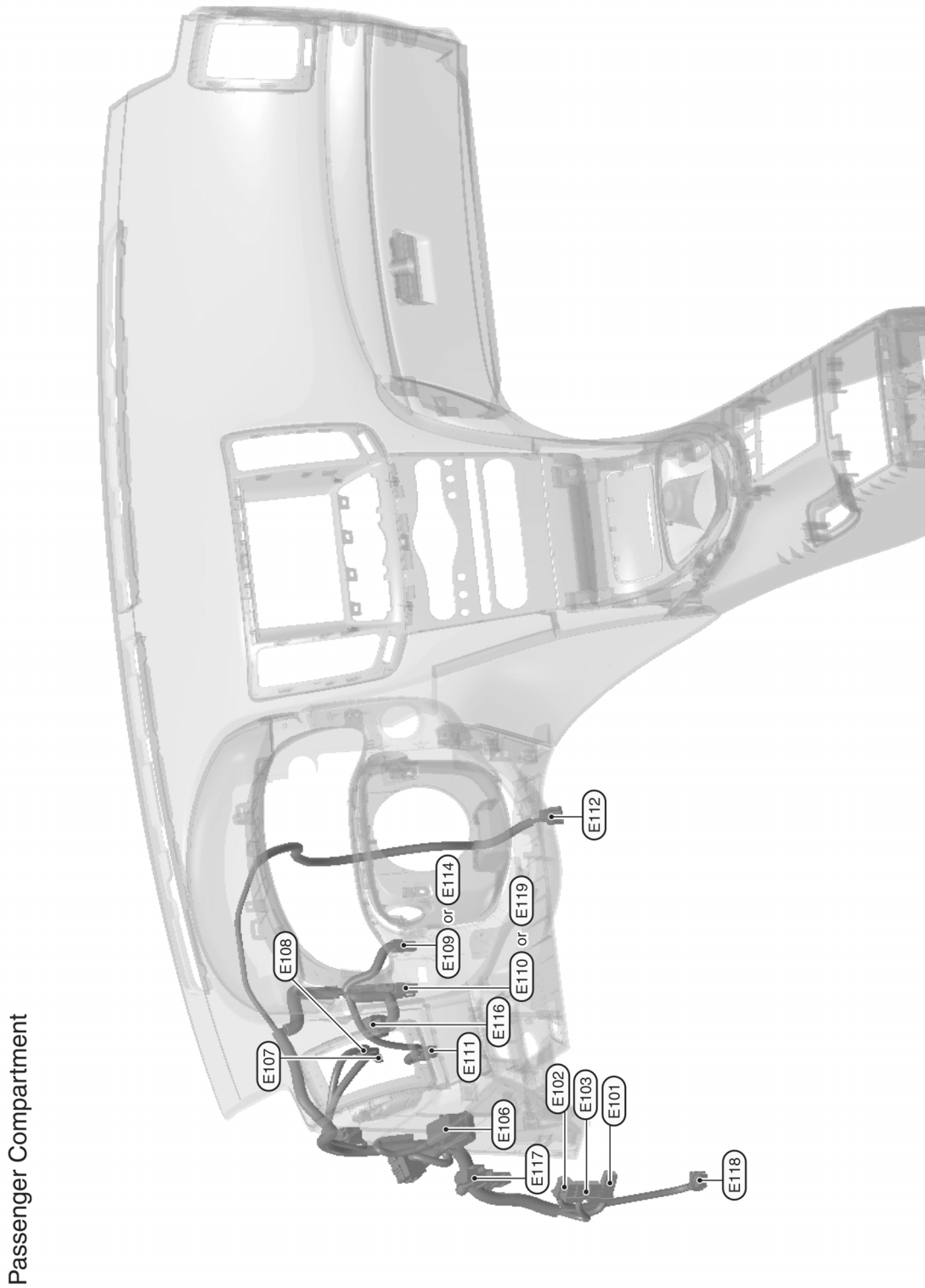
2012/07/05

JRMIC1892GB

# HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >  
PASSENGER COMPARTMENT

[POWER SUPPLY & GROUND CIRCUIT]



JRMIC1893GB  
2012/07/05

# HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

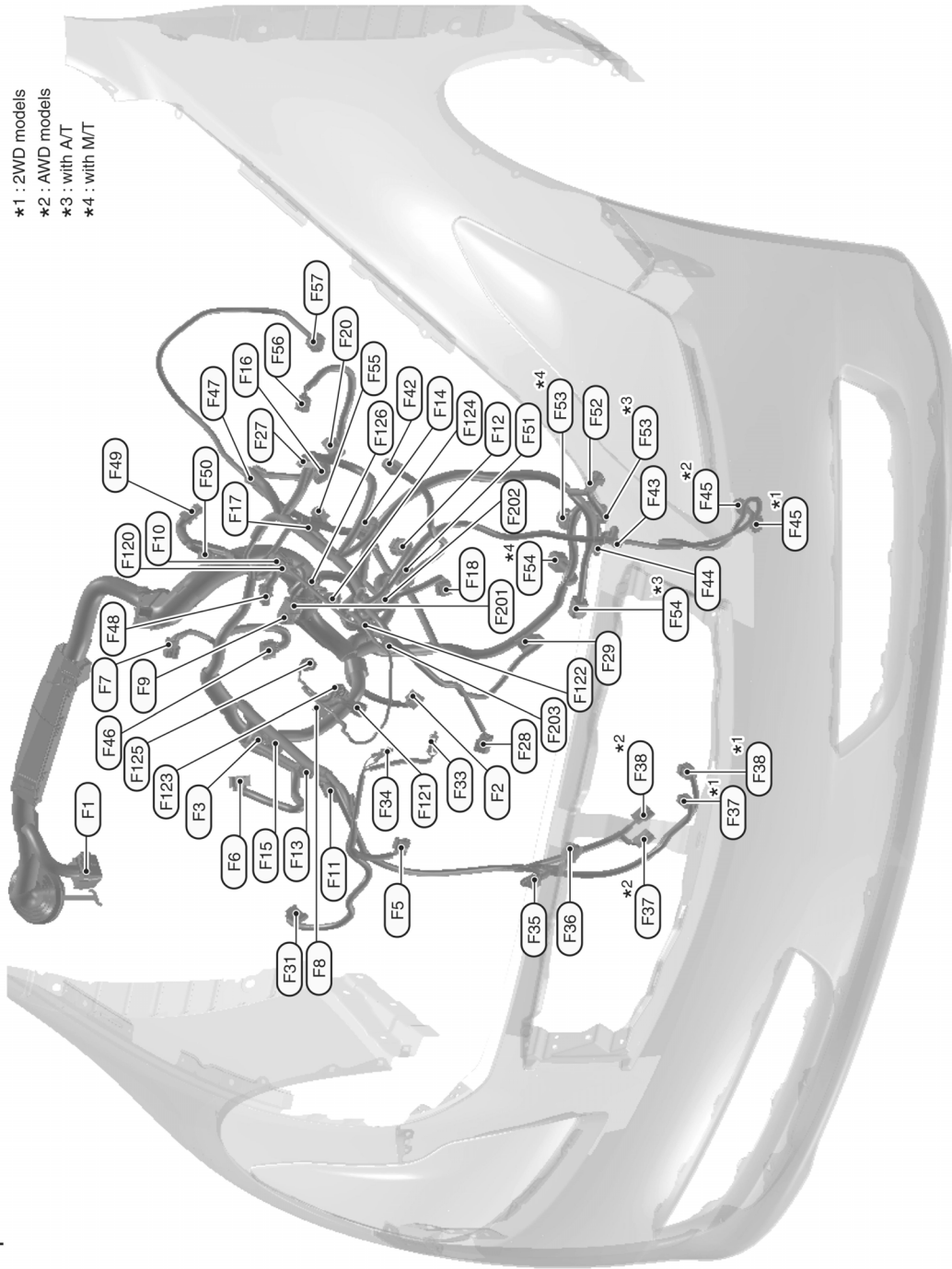
[POWER SUPPLY & GROUND CIRCUIT]

## Engine Control Harness

INFOID:000000008159692

### ENGINE COMPARTMENT

ENGINE CONTROL HARNESS /  
Engine Compartment



- \*1 : 2WD models
- \*2 : AWD models
- \*3 : with A/T
- \*4 : with M/T

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

2012/07/05

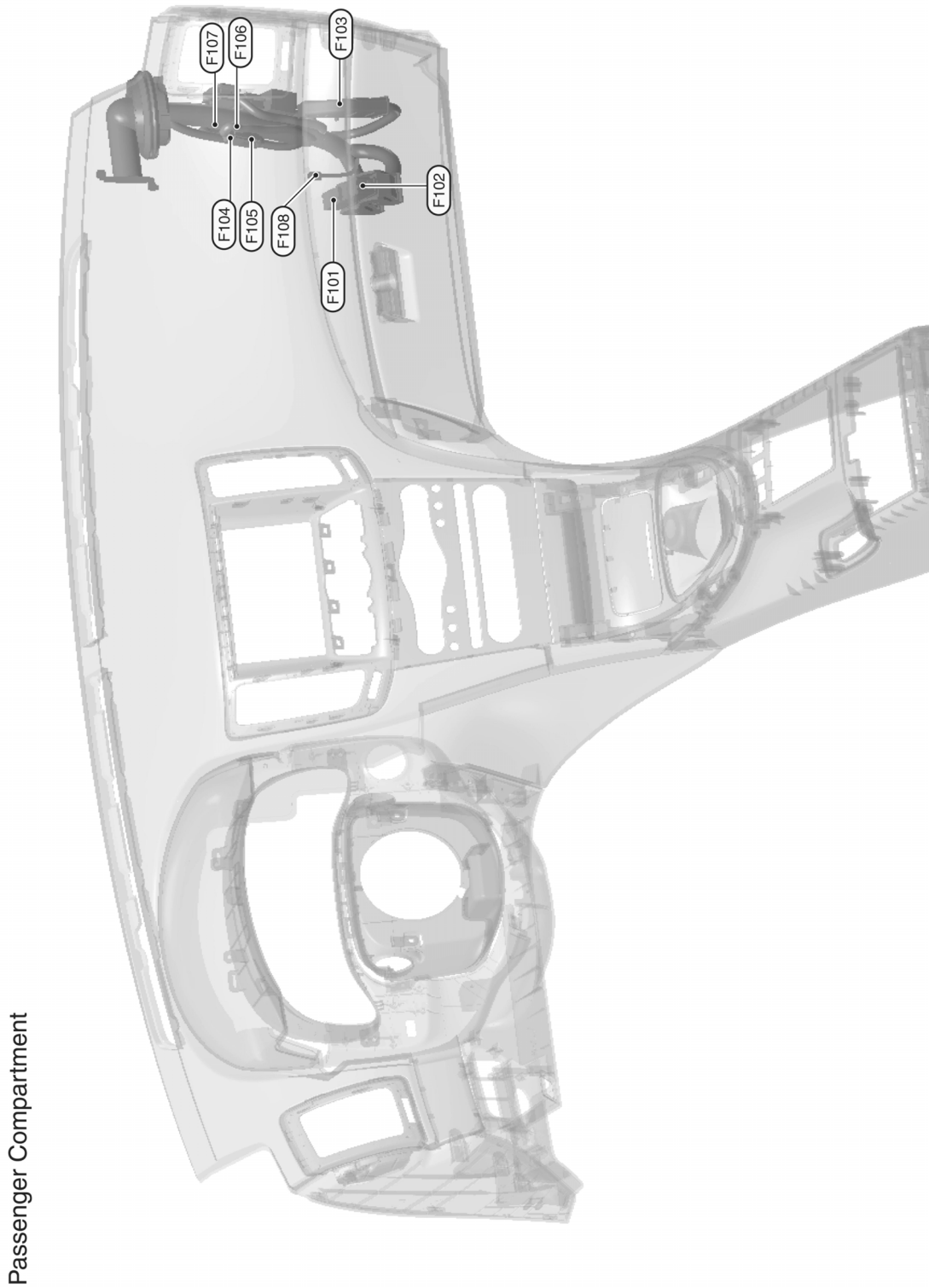
JRMIC1894GB

# HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

PASSENGER COMPARTMENT



Passenger Compartment

2012/07/05

JRMIC1895GB

# HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

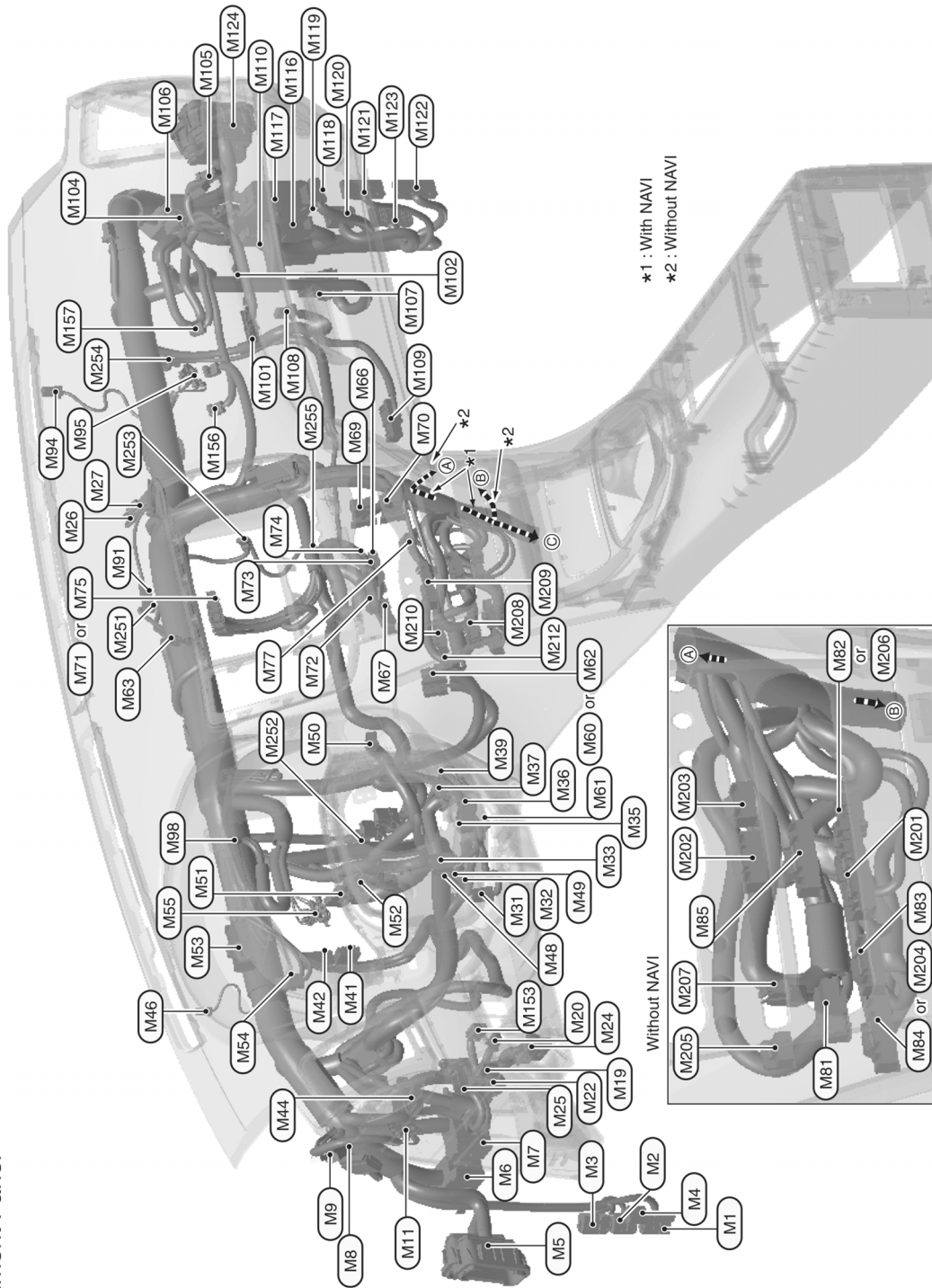
[POWER SUPPLY & GROUND CIRCUIT]

## Main Harness

INFOID:000000008159693

### INSTRUMENT PANEL

MAIN HARNESS /  
Instrument Panel



2012/07/05

JRMIC1890GB

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

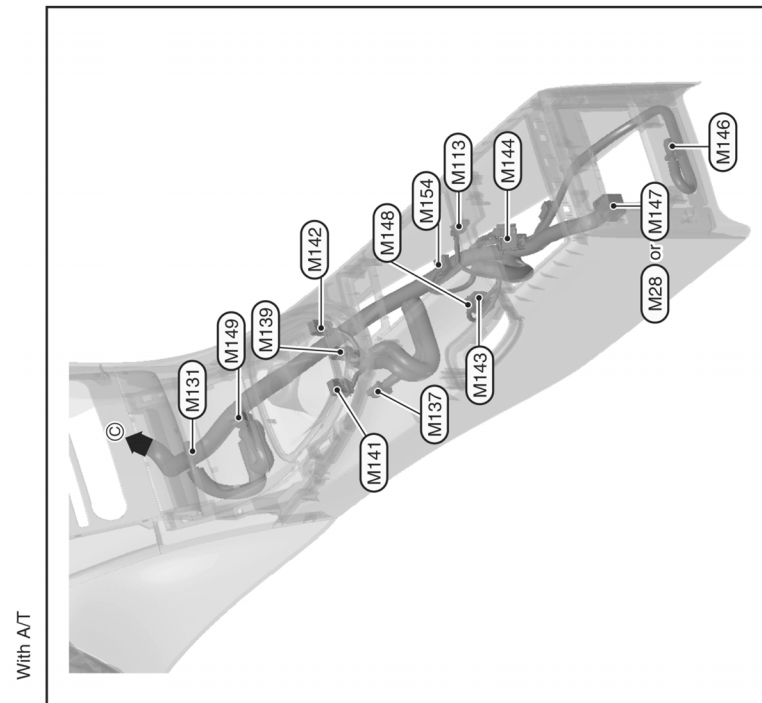
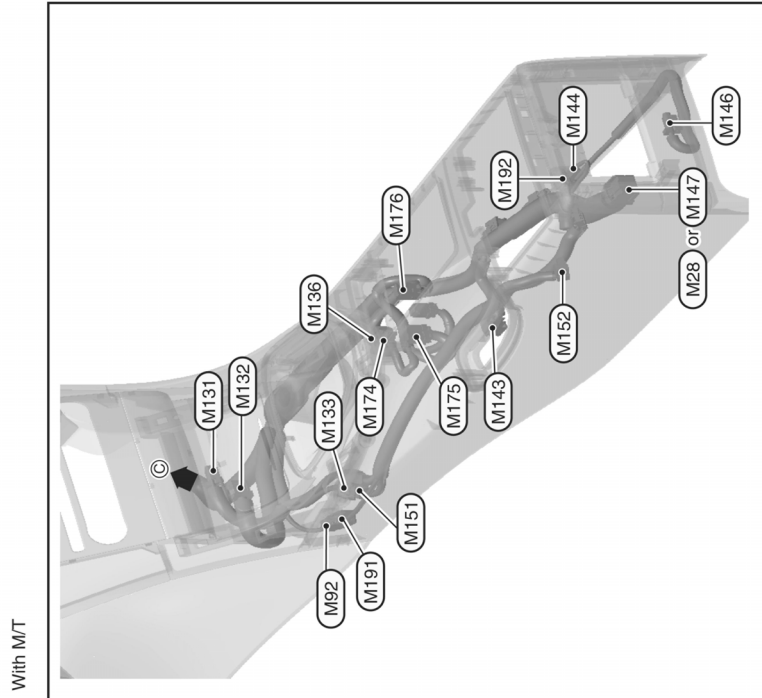
PG

# HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## FLOOR CONSOLE



Floor Console

2012/07/05

JRMIC1891GB



# HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

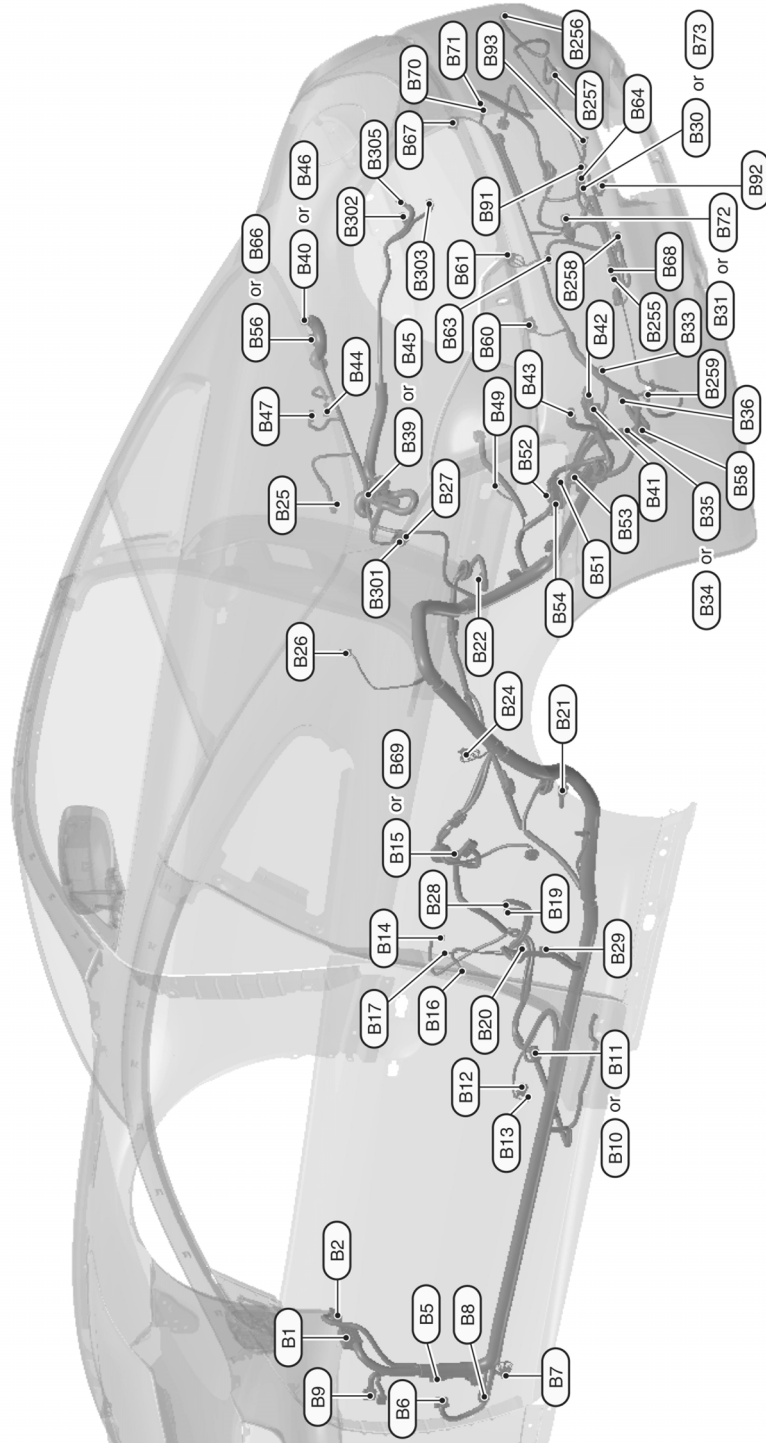
[POWER SUPPLY & GROUND CIRCUIT]

## Body Harness

INFOID:000000008159694

## BODY HARNESS

BODY HARNESS



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

2012/07/05

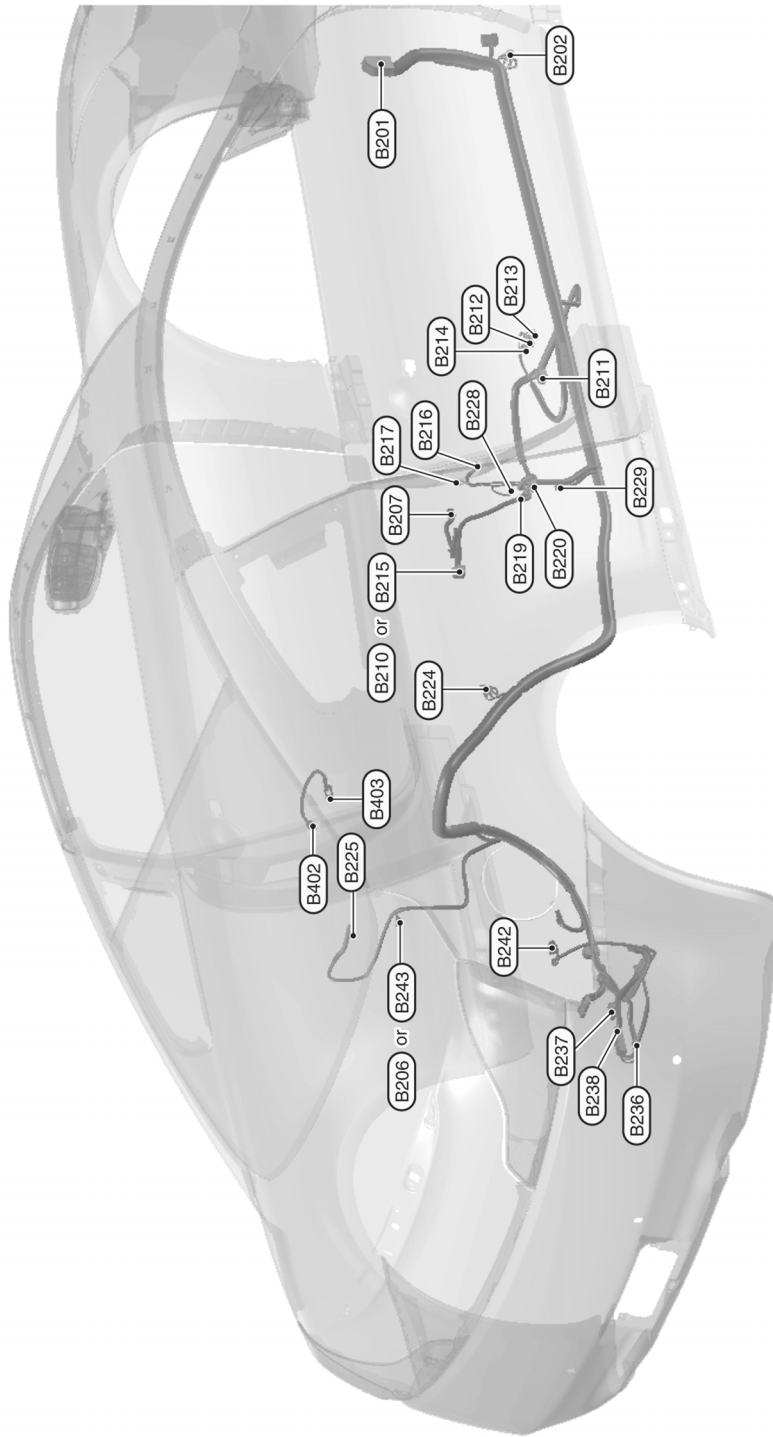
JRMIC1896GB

# HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BODY No. 2 HARNESS



BODY No. 2 HARNESS

Door Harness

DOOR HARNESS

2012/07/05

JRMIC1897GB

INFOID:000000008159695

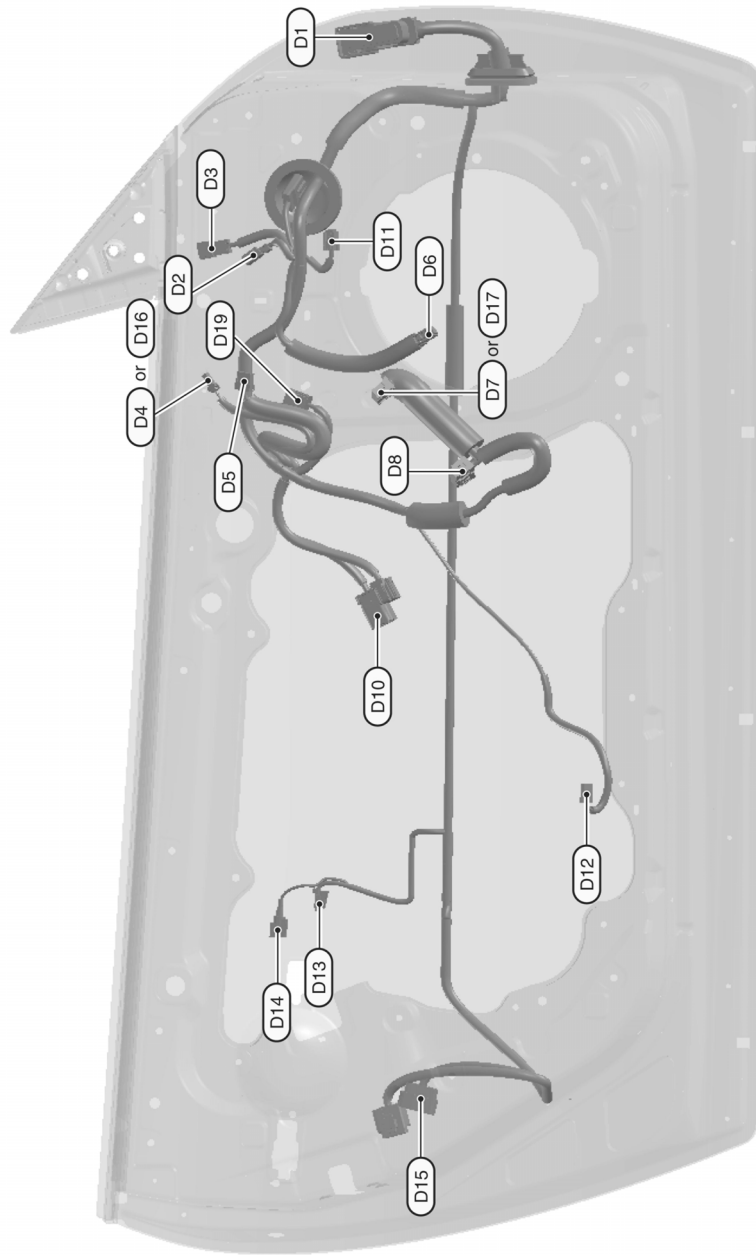
# HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Driver Side Door

DOOR HARNESS (DRIVER SIDE DOOR)



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

2012/07/05

JRMIC1899GB

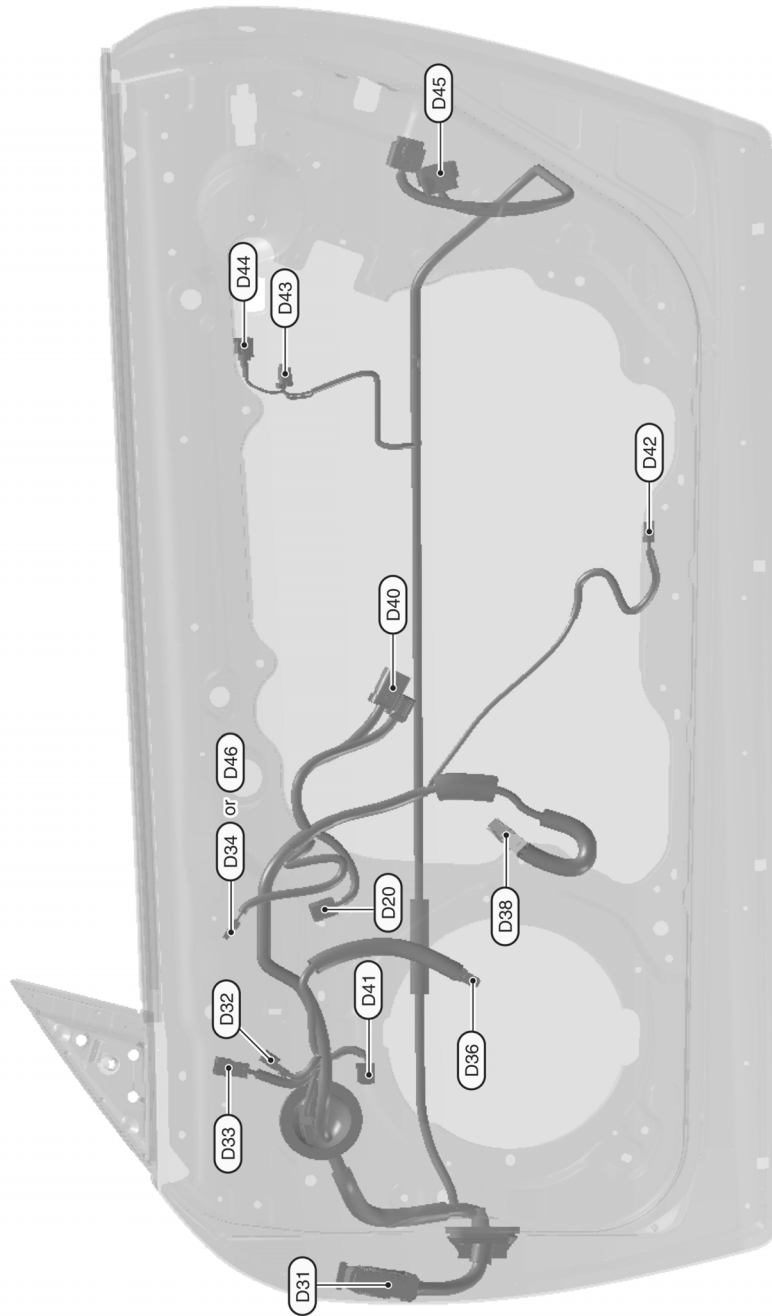
# HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Passenger Side Door

DOOR HARNESS (PASSENGER SIDE DOOR)



JRMIC1900GB  
2012/07/05

# HARNES LAYOUT

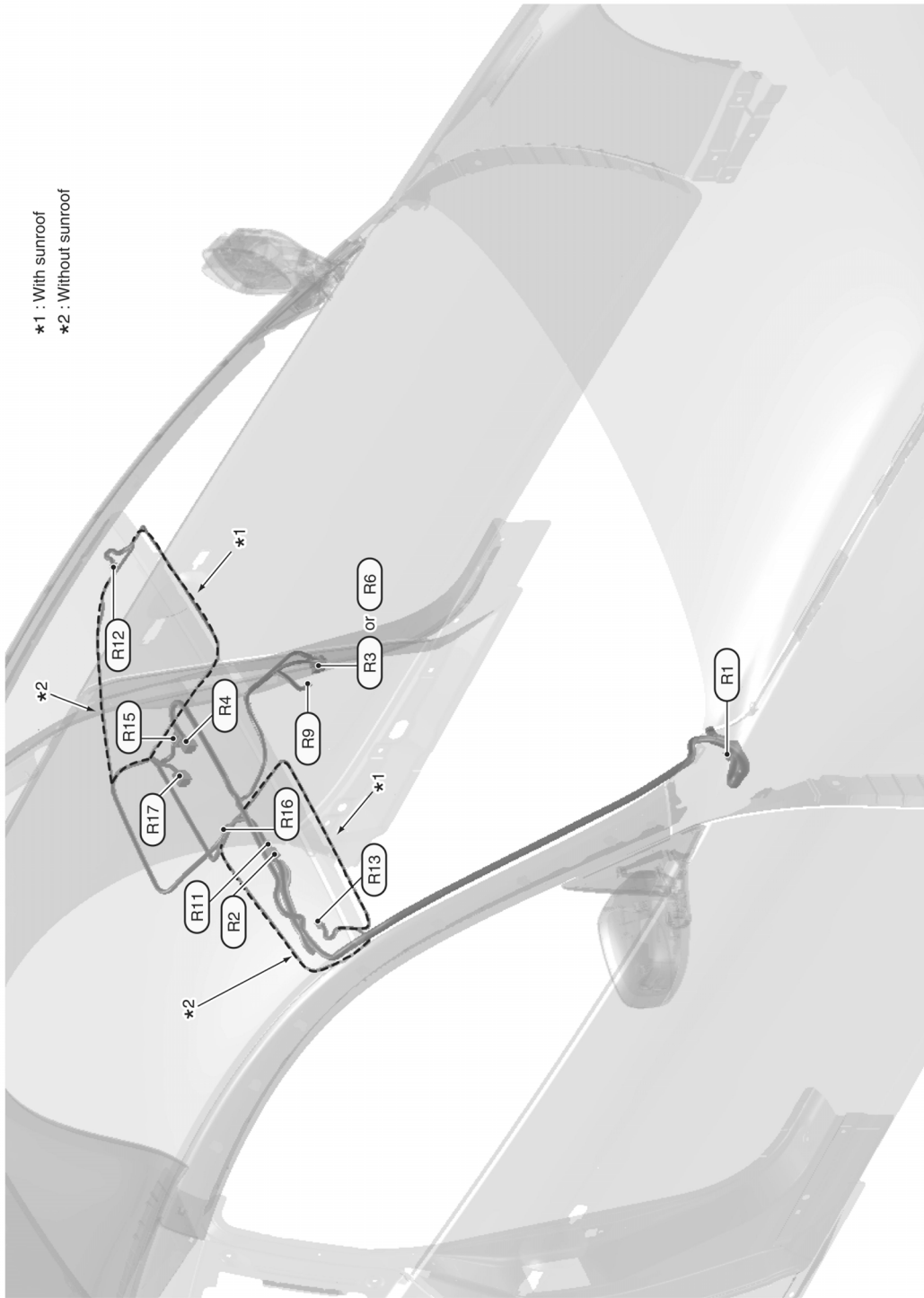
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Room Lamp Harness

INFOID:000000008159696

ROOM LAMP HARNESS



\*1 : With sunroof  
\*2 : Without sunroof

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

2012/07/05

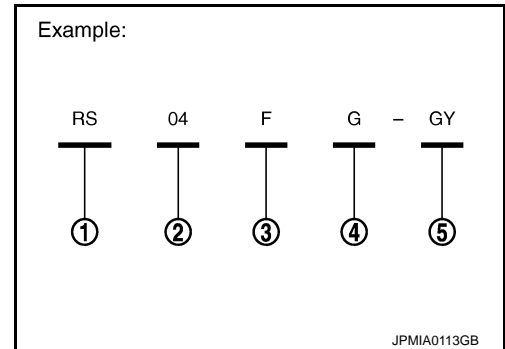
JRMIC1898GB

## CONNECTOR INFORMATION

### How to Read Connector Type

INFOID:000000008159697

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



# CONNECTOR INFORMATION

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

## B Body Harness

INFOID:000000008159698

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

### BODY HARNESS

Connector No.	B1
Connector Name	WIRE TO WIRE
Connector Type	TR8FW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
2	G	-
3	SB	-
4	Y	-
6	Y	-
15	V	-
16	BR	-
17	LG	-
18	W	-
20	L	-
21	P	-
22	L	-
23	P	-
24	GR	-
25	SB	-
26	G	-
27	W	-
28	G	-
31	V	-
32	SB	-
33	SHIELD	-
34	W	-
35	BR	-
36	Y	-
37	SHIELD	-
38	X	-
39	LG	-
40	P	-
41	L	-
42	SHIELD	-
43	R	-
44	C	-
45	SHIELD	-
46	SB	-
48	L	-
50	P	-
55	P	-
56	G	-

58	V	-
59	LG	-
60	BR	-
61	W	-
62	R	-
63	L	-
64	Y	-
65	SHIELD	-
71	BR	-
72	SB	-
73	P	-
74	L	-
81	R	-
82	B	-
84	Y	-
85	L	-
86	GR	-
87	R	-
88	V	-
90	GR	-
91	Y	-
95	BG	-
96	R	-
100	V	-

Connector No.	B2
Connector Name	WIRE TO WIRE
Connector Type	NS12FWR-CS



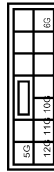
Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	W	-
3	V	-
4	LG	-
5	L	-
6	BG	-
7	Y	-
12	Y	-
13	GR	-
14	R	-
15	G	-
16	W	-

Connector No.	B5
Connector Name	WIRE TO WIRE
Connector Type	TR88MW-NH



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

Connector No.	B6
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS12FBR-CS



Terminal No.	Color of Wire	Signal Name [Specification]
5G	LG	-
6G	G	-
10G	W	-
11G	W	-
12G	Y	-

Connector No.	B8
Connector Name	WIRE TO WIRE
Connector Type	MO2MW-LC



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

Connector No.	B9
Connector Name	WIRE TO WIRE
Connector Type	MO2FW-LC



Terminal No.	Color of Wire	Signal Name [Specification]
2	R	-
3	GR	-
4	LG	-
5	BR	-
6	BG	-

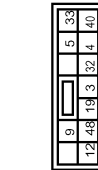
# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

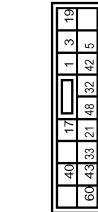
## BODY HARNESS

Connector No.	B10
Connector Name	WIRE TO WIRE
Connector Type	NS1ZFV-CS



Terminal No.	Color of Wire	Signal Name [Specification]
3	L	-
4	GR	-
5	V	-
9	Y	-
12	G	-
19	P	-
32	B	-
33	SB	-
40	G	-
48	B	-

Connector No.	B11
Connector Name	WIRE TO WIRE
Connector Type	NS16FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
3	L	-
5	V	-
17	W	-
19	P	-
21	Y	-
32	B	-
33	SB	-
40	BR	-
42	GR	-
48	B	-

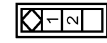
Terminal No.	60	Color of Wire	G	Signal Name [Specification]	-
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Connector No.	B12
Connector Name	FRONT LH SIDE AIR BAG MODULE
Connector Type	TR02FY-EX-IV



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

Connector No.	B13
Connector Name	SEAT BELT BUCKLE SWITCH (DRIVER SIDE)
Connector Type	A03FW



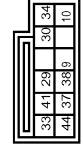
Terminal No.	1	Color of Wire	GR	Signal Name [Specification]	-
2	2	B	-	-	-

Connector No.	B14
Connector Name	PARKING BRAKE SWITCH
Connector Type	PR1EB-A



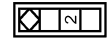
Terminal No.	1	Color of Wire	V	Signal Name [Specification]	-
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Connector No.	B15
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	TR12FY-2V-EX



Terminal No.	Color of Wire	Signal Name [Specification]
9	Y	ELR RH+
10	Y	ELR RH-
29	LG	INF CURTAIN RH+
30	Y	INF CURTAIN RH-
33	Y	SIDE INF RH+
34	Y	SIDE INF RH-
37	P	SIDE SENS RH+
38	L	SIDE SENS RH-
41	SB	BUCKLE SW RH
44	SHIELD	GND

Connector No.	B16
Connector Name	DRIVER SIDE DOOR SWITCH
Connector Type	A03FW



Terminal No.	2	Color of Wire	V	Signal Name [Specification]	-
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Connector No.	B19
Connector Name	FRONT LH SEAT BELT PRE-TENSIONER
Connector Type	AC02FY



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

Connector No.	B20
Connector Name	LH SIDE AIR BAG (SATELLITE) SENSOR
Connector Type	HR02FY-1V-EX-LC



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

Connector No.	B21
Connector Name	FUEL LEVEL SENSOR UNIT (SUB)
Connector Type	EG02FY-RS



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

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# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BODY HARNESS

Connector No.	B22
Connector Name	FUEL LEVEL SENSOR UNIT AND FUEL PUMP (W/N)
Connector Type	EG8FY-RS



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

Connector No.	B25
Connector Name	LH SIDE CURTAIN AIR BAG MODULE
Connector Type	AGB02FOR



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

Connector No.	B28
Connector Name	CONDENSER
Connector Type	MOUFW-LC



Terminal No.	1	Color of Wire	Y	Signal Name [Specification]	-
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Connector No.	B27
Connector Name	WIRE TO WIRE
Connector Type	NS038MW-CS



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

Connector No.	B28
Connector Name	PRE-CRASH SEAT BELT MOTOR LH
Connector Type	TEB02FW-2V



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

Connector No.	B29
Connector Name	REAR SPEAKER LH
Connector Type	TR02MWR-P



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

Connector No.	B30
Connector Name	EVAP CONTROL SYSTEM PRESSURE SENSOR
Connector Type	EG8FY-RS



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

Connector No.	B31
Connector Name	EVAP CANISTER VENT CONTROL VALVE
Connector Type	EG2FB-RS



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

Terminal No.	2	Color of Wire	G	Signal Name [Specification]	-
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Connector No.	B33
Connector Name	REAR WHEEL SENSOR RH
Connector Type	AAZ02FE1



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

Connector No.	B34
Connector Name	REAR WHEEL SENSOR LH
Connector Type	RH02FE1



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

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

PG

# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BODY HARNESS

Connector No.	B35
Connector Name	REAR WHEEL SENSOR LH
Connector Type	FAZ02FBZ



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

Connector No.	B36
Connector Name	4WAS REAR MOTOR
Connector Type	X02FB



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

Connector No.	B38
Connector Name	REAR SPEAKER LH
Connector Type	NS02FW-CS



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

Connector No.	B40
Connector Name	REAR SPEAKER RH
Connector Type	NS02FW-CS



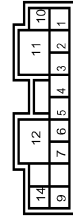
Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	P	-

Connector No.	B41
Connector Name	BOSE AMP.
Connector Type	SCA19FR-SGA4



Terminal No.	Color of Wire	Signal Name [Specification]
16	SB	SOUND SIGNAL REAR WOOFER (+)
17	V	SOUND SIGNAL REAR WOOFER (-)
18	LG	SOUND SIGNAL REAR LH (+)
19	Y	SOUND SIGNAL REAR LH (-)
20	W	BOSE AMP. ON SIGNAL
21	SHIELD	SHIELD
22	GR	WOOFER AMP. ON SIGNAL
23	SB	SOUND SIGNAL REAR LH (-)
24	Y	SOUND SIGNAL REAR LH (+)
25	V	SOUND SIGNAL REAR RH (-)
26	BR	SOUND SIGNAL REAR RH (+)
28	L	SOUND SIGNAL CENTER (+)
30	BG	SOUND SIGNAL CENTER (-)
31	L	SOUND SIGNAL REAR RH (+)
32	P	SOUND SIGNAL REAR RH (-)
33	R	SOUND SIGNAL FRONT RH (+)
34	C	SOUND SIGNAL FRONT RH (-)
35	P	SOUND SIGNAL FRONT LH (+)
36	L	SOUND SIGNAL FRONT LH (-)
37	SB	MODE CHANGE SIGNAL

Connector No.	B42
Connector Name	BOSE AMP.
Connector Type	ISCA12FR-SJAZ



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	SOUND SIGNAL FRONT LH (+)
2	W	SOUND SIGNAL FRONT LH (-)
3	LG	SOUND SIGNAL FRONT RH (-)
4	V	SOUND SIGNAL FRONT RH (+)
5	G	SOUND SIGNAL DOOR WOOFER RH (+)
6	R	SOUND SIGNAL DOOR WOOFER RH (-)
7	B	GND
9	W	SOUND SIGNAL DOOR WOOFER LH (-)
10	Y	BATTERY
11	GR	GND
12	B	GND
14	B	SOUND SIGNAL DOOR WOOFER LH (+)

Connector No.	B43
Connector Name	WOOFER AMP.
Connector Type	NS12FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	SOUND SIGNAL REAR WOOFER RH (+)
2	R	SOUND SIGNAL REAR WOOFER RH (-)
3	GR	WOOFER AMP. ON SIGNAL
4	B	SOUND SIGNAL REAR WOOFER LH (-)
5	W	SOUND SIGNAL REAR WOOFER LH (+)
7	Y	BATTERY
8	SB	SOUND SIGNAL REAR WOOFER (+)
9	V	SOUND SIGNAL REAR WOOFER (-)
10	B	GND

Connector No.	B44
Connector Name	HIGH-MOUNTED STOP LAMP ON THE REAR PARCEL SHELF
Connector Type	TT02MBR-P



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

Connector No.	B45
Connector Name	REAR WOOFER LH
Connector Type	NS02FW-CS



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

Connector No.	B46
Connector Name	REAR WOOFER RH
Connector Type	NS02FW-CS



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



# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

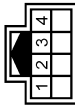
## BODY HARNESS

Connector No.	B184
Connector Name	WIRE TO WIRE
Connector Type	RK02FGY



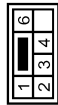
Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	B	-

Connector No.	B186
Connector Name	WIRE TO WIRE
Connector Type	TH08MW-NH



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

Connector No.	B187
Connector Name	REAR COMBINATION LAMP RH
Connector Type	NS06MW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	-	-
2	-	-
3	-	-
4	-	-
6	-	-

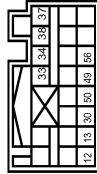
Terminal No.	1	LG	-
Terminal No.	2	R	-
Terminal No.	3	B	-
Terminal No.	4	V	-
Terminal No.	6	BG	-

Connector No.	B188
Connector Name	WIRE TO WIRE
Connector Type	RK06FGY



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

Connector No.	B189
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	NH22FY-2V-EX



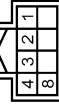
Terminal No.	Color of Wire	Signal Name [Specification]
12	Y	-
13	Y	-
30	SB	-
34	Y	-
36	Y	-
37	LG	-
49	P	-
56	L	-
56	SHIELD	-

Connector No.	B170
Connector Name	WIRE TO WIRE
Connector Type	TH08MW-NH



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

Connector No.	B171
Connector Name	WIRE TO WIRE
Connector Type	TH08FW-NH



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

Connector No.	B172
Connector Name	EVAP CANISTER VENT CONTROL VALVE
Connector Type	EG0FF-RS



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

Connector No.	B173
Connector Name	EVAP CONTROL SYSTEM PRESSURE SENSOR
Connector Type	EG0FY-RS



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

# CONNECTOR INFORMATION

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

## BODY HARNESS

Connector No.	B1B1
Connector Name	WIRE TO WIRE
Connector Type	PK02MGM



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

Connector No.	B1B2
Connector Name	LICENSE PLATE LAMP LH
Connector Type	RV02FBR



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

Connector No.	B1B3
Connector Name	LICENSE PLATE LAMP RH
Connector Type	RV02FBR



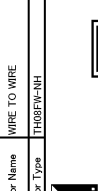
Terminal No.	Color of Wire	Signal Name [Specification]
1	-	-
2	-	-

Connector No.	B201
Connector Name	WIRE TO WIRE
Connector Type	TH08FW-CS1P-TM4



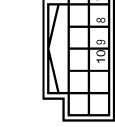
Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
5	Y	-
6	G	-
7	BG	-
9	LG	-
10	R	-
30	B	-
31	L	-
32	P	-
33	SB	-
34	V	-
40	GR	-
41	LG	-
42	BG	-
43	R	-
45	G	-
46	SHIELD	-
47	G	-
48	Y	-
49	SHIELD	-
50	P	-
59	BG	-
71	R	-
72	V	-
80	V	-
81	SHIELD	-
82	Y	-
83	BR	-
84	O	-
85	SHIELD	-
86	G	-
87	W	-
88	W	-
89	B	-
90	SB	-
91	V	-
94	W	-
95	G	-

Connector No.	97
Connector Name	BR



Terminal No.	Color of Wire	Signal Name [Specification]
7	L	-
8	P	-

Connector No.	B207
Connector Name	WIRE TO WIRE
Connector Type	TH12FW-NH



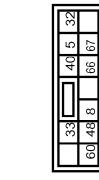
Terminal No.	Color of Wire	Signal Name [Specification]
7	SHIELD	-
8	R	-
9	B	-
10	W	-

Connector No.	B210
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	NH22FY-1V-EX



Terminal No.	Color of Wire	Signal Name [Specification]
10	Y	-
11	Y	-
26	L	-
29	LG	-
31	Y	-
32	Y	-
35	LG	-
36	Y	-
47	G	-
48	R	-
55	SHIELD	-

Connector No.	B211
Connector Name	WIRE TO WIRE
Connector Type	NS12FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
5	LG	-
8	P	-
32	B	-
33	W	-
48	BG	-
49	B	-
60	G	-
67	BG	-

A  
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E  
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H  
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J  
K  
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PG  
N  
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P

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# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BODY HARNESS

Connector No.	B212
Connector Name	FRONT RH SIDE AIR BAG MODULE
Connector Type	TR02FY-EX-IV



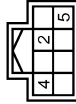
Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	Y	-

Connector No.	B213
Connector Name	SEAT BELT BUCKLE SWITCH (PASSENGER SIDE)
Connector Type	A03FW



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

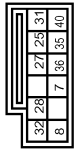
Connector No.	B214
Connector Name	OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT
Connector Type	TR08FW-RH



Terminal No.	Color of Wire	Signal Name [Specification]
2	V	COMMUNICATION COMMUNICATION

4	R	IGN
5	B	GND

Connector No.	B215
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	TR12FY-IV-EX



Terminal No.	Color of Wire	Signal Name [Specification]
7	Y	PRH (+)
8	Y	PRH (-)
25	LG	RH BUCKLE SW INPUT
27	LG	CRH (+)
28	Y	CRH (-)
31	Y	SRH (+)
32	Y	SRH (-)
35	G	SATELLITE RH (+)
36	R	SATELLITE RH (-)
40	SHIELD	GND

Connector No.	B216
Connector Name	PASSENGER SIDE DOOR SWITCH
Connector Type	A03FW



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

Connector No.	B219
Connector Name	FRONT RH SEAT BELT PRE-TENSIONER
Connector Type	AGB02FY



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

Connector No.	B220
Connector Name	RH SIDE AIR BAG (SATELLITE) SENSOR
Connector Type	HR02FY-IV-EX-LC



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

Connector No.	B225
Connector Name	RH SIDE CURTAIN AIR BAG MODULE
Connector Type	AGB02FY



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

Connector No.	B228
Connector Name	PRE-CRASH SEAT BELT MOTOR RH
Connector Type	TR02FW-ZV



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

Connector No.	B229
Connector Name	REAR SPEAKER RH
Connector Type	TR02MR-F



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

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# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BODY HARNESS

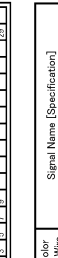
Connector No.	B236
Connector Name	SATELLITE RADIO TUNER
Connector Type	A16FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	SATELLITE RADIO SOUND SIGNAL LH (-)
2	R	SATELLITE RADIO SOUND SIGNAL LH (+)
3	W	SATELLITE RADIO SOUND SIGNAL RH (-)
4	B	SATELLITE RADIO SOUND SIGNAL RH (+)
5	SHIELD	SHIELD
6	SHIELD	SHIELD
8	Y	REQUEST (SAT-COINT)
9	O	COMM (SAT-COINT)
10	BR	COMM (COINT-SAT)
12	SB	BATTERY
15	B	GND
16	V	ACC



Connector No.	B237
Connector Name	TEL ADAPTER UNIT
Connector Type	TH82FEW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	BATTERY
2	LG	ACC
3	BG	IGNITION
4	SHIELD	SHIELD
5	SHIELD	SHIELD
6	R	MICROPHONE SIGNAL
7	SHIELD	MICROPHONE GND
9	Y	TEL VOICE SIGNAL (+)
10	G	TEL VOICE SIGNAL (-)
22	B	CONTROL SIGNAL

24	B	CONTROL SIGNAL
28	P	VEHICLE SPEED (3-PULSE)
29	G	MICROPHONE VCC



Connector No.	B238
Connector Name	TEL ADAPTER UNIT
Connector Type	TH88FEW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
35	L	AV COMM (R)
36	P	AV COMM (L)

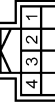


Connector No.	B242
Connector Name	FUEL LID LOCK ACTUATOR
Connector Type	M94FEW-LC



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

Connector No.	B243
Connector Name	WIRE TO WIRE
Connector Type	TH88FEW-NH



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



Connector No.	B255
Connector Name	WIRE TO WIRE
Connector Type	PRO8MGY



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

Connector No.	B256
Connector Name	CORNER SENSOR REAR RH
Connector Type	YDX02FE



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



Connector No.	B257
Connector Name	CENTER SENSOR REAR RH
Connector Type	YDX02FE



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



Connector No.	B258
Connector Name	CENTER SENSOR REAR LH
Connector Type	YDX02FE



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

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

























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# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BODY HARNESS

Connector No. B29	Connector Name CORNER SENSOR REAR LH	Connector Type YDX02FB	Terminal No.	Color of Wire	Signal Name [Specification]
			1	W	
			2	Y	
					
					
Connector No. B30	Connector Name REAR MOUNTED STOP LAMP (ON THE REAR SPOILER)	Connector Type TR02MW	Terminal No.	Color of Wire	Signal Name [Specification]
			1	LG	
			2	B	
					
					
Connector No. B31	Connector Name WIRE TO WIRE	Connector Type NS08FW-CS	Terminal No.	Color of Wire	Signal Name [Specification]
			1	B	
			2	L	
			3	G	
			4	LG	
			5	Y	
			6	W	
			7	R	
			8	SHIELD	
					
					
Connector No. B32	Connector Name REAR WINDOW DEFOGGER	Connector Type P01FB-A	Terminal No.	Color of Wire	Signal Name [Specification]
			1	W	
					
					
Connector No. B40	Connector Name REAR WINDOW DEFOGGER	Connector Type P01FB-A	Terminal No.	Color of Wire	Signal Name [Specification]
			1	W	
					
					
Connector No. B42	Connector Name SATELLITE RADIO TUNER	Connector Type B482	Terminal No.	Color of Wire	Signal Name [Specification]
			33	-	
			34	-	
					
					
Connector No. B43	Connector Name SATELLITE RADIO ANTENNA	Connector Type GT16C-1PP-HU	Terminal No.	Color of Wire	Signal Name [Specification]
			1	-	
			2	-	
					
					
Connector No. B48	Connector Name SATELLITE RADIO ANTENNA	Connector Type GT16C-1PP-HU	Terminal No.	Color of Wire	Signal Name [Specification]
			1	-	
			2	-	
					
					
Connector No. B71	Connector Name TEL ADAPTER UNIT	Connector Type GT16C-1S-HU	Terminal No.	Color of Wire	Signal Name [Specification]
			1	-	
			2	-	
					
					
Connector No. B80	Connector Name REAR VIEW CAMERA	Connector Type TR04MW-NH	Terminal No.	Color of Wire	Signal Name [Specification]
			1	L	
			2	B	
			3	G	
					
					
Connector No. B82	Connector Name CAMERA ON SIGNAL	Connector Type CAMERA ON SIGNAL	Terminal No.	Color of Wire	Signal Name [Specification]
			1	R	
					
					

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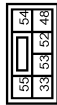
# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

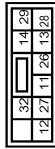
## BODY HARNESS

Connector No.	B509
Connector Name	SIDE SUPPORT UNIT
Connector Type	NS10FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
33	R	-
48	B	-
52	G	-
53	B/R	-
54	V/W	-
55	R/L	-

Connector No.	B510
Connector Name	POWER SEAT SWITCH
Connector Type	NS10FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
11	BR	-
12	SB	-
13	LG/R	-
14	G/B	-
26	Y	-
27	R/G	-
28	W/B	-
29	P/L	-
32	B/W	-

Connector No.	B511
Connector Name	POWER SEAT SWITCH
Connector Type	NS10FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
11	BR	-
12	SB	-
13	LG/R	-
14	G/B	-
26	Y	-
27	R/G	-
28	W/B	-
29	P/L	-
32	B/W	-

Connector No.	B512
Connector Name	FORWARD SWITCH
Connector Type	S02FW



Terminal No.	Color of Wire	Signal Name [Specification]
41	Y/G	-
32	B/W	-

Connector No.	B513
Connector Name	POWER WALK-IN SWITCH
Connector Type	T102FBR



Terminal No.	Color of Wire	Signal Name [Specification]
30	P	-
32	B/W	-

Connector No.	B514
Connector Name	SLIDING LIMIT SWITCH
Connector Type	T102ZMR-F



Terminal No.	Color of Wire	Signal Name [Specification]
4	O/B	-
32	B/W	-

Connector No.	B517
Connector Name	SEAT CUSHION HEATER
Connector Type	S34FW



Terminal No.	Color of Wire	Signal Name [Specification]
59	B	-
68	B	-
69	B	-

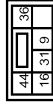
Terminal No.	68	R/W	-
Terminal No.	69	R	-

Connector No.	B518
Connector Name	HEATED SEAT CONTROL UNIT
Connector Type	174823-1



Terminal No.	Color of Wire	Signal Name [Specification]
59	B	-
60	Y	-
66	B	-
67	W	-
68	R/W	-
69	R	-

Connector No.	B523
Connector Name	RECLINING MOTOR
Connector Type	NS30FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
9	W/G	-
19	O	-
31	GB	-
36	G/Y	-
44	P	-

# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BODY HARNESS

Connector No.	B524
Connector Name	RECLINING MOTOR
Connector Type	NS30FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
36	G/Y	-
44	P	-

Connector No.	B525
Connector Name	SLIDING MOTOR
Connector Type	6098-0239



Terminal No.	Color of Wire	Signal Name [Specification]
35	W/R	-
42	W	-

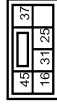
Connector No.	B526
Connector Name	SLIDING SENSOR
Connector Type	6098-0241



Terminal No.	Color of Wire	Signal Name [Specification]
24	O	-
31	O	-
16	R	-

Terminal No.	31	Color of Wire	GR
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Connector No.	B527
Connector Name	LIFTING MOTOR (FRONT)
Connector Type	NS30FW-CS



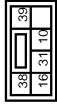
Terminal No.	Color of Wire	Signal Name [Specification]
16	O	-
25	Y/B	-
31	GR	-
37	G/W	-
45	L/R	-

Connector No.	B528
Connector Name	LIFTING MOTOR (FRONT)
Connector Type	NS30FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
37	G/W	-
45	L/R	-

Connector No.	B529
Connector Name	LIFTING MOTOR (REAR)
Connector Type	NS30FBR-CS



Terminal No.	Color of Wire	Signal Name [Specification]
10	P/B	-
16	O	-
31	GR	-
38	L/Y	-
39	R/B	-

Connector No.	B530
Connector Name	LIFTING MOTOR (REAR)
Connector Type	NS30FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
38	L/Y	-
39	R/B	-

Connector No.	B541
Connector Name	WIRE TO WIRE
Connector Type	MO2FW-LC



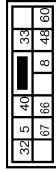
Terminal No.	Color of Wire	Signal Name [Specification]
1	-	-
2	-	-

Connector No.	B542
Connector Name	WIRE TO WIRE
Connector Type	MO2MW-LC



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

Connector No.	B551
Connector Name	WIRE TO WIRE
Connector Type	NS12MW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
5	L	-
8	L/G	-
32	B/W	-
33	A	-
40	R/W	-
48	Y	-
66	B	-
67	B	-

A  
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C  
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G  
H  
I  
J  
K  
L  
PG  
N  
O  
P

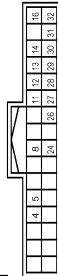
# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

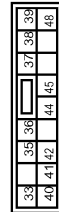
## BODY HARNESS

Connector No.	B552
Connector Name	PASSENGER SEAT CONTROL UNIT
Connector Type	TR32FW



Terminal No.	Color of Wire	Signal Name [Specification]
4	O/B	-
5	L	-
8	LG	-
11	BR	-
12	SB	-
13	LG/R	-
14	G/B	-
16	O	-
24	R	-
26	Y	-
27	R/G	-
28	W/B	-
29	P/L	-
30	P	-
31	GR	-
32	B/W	-

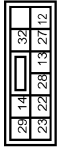
Connector No.	B553
Connector Name	PASSENGER SEAT CONTROL UNIT
Connector Type	NS16FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
32	R	-
35	W/R	-
36	G/Y	-
37	G/W	-
38	L/Y	-
39	R/B	-

40	R/W	-
41	Y/G	-
42	W	-
44	P	-
45	L/R	-
48	B	-

Connector No.	B554
Connector Name	POWER SEAT SWITCH
Connector Type	NS10FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
12	SB	-
13	LG/R	-
14	G/B	-
22	W/G	-
23	O/L	-
27	R/G	-
28	W/B	-
29	P/L	-
32	B/W	-

Connector No.	B555
Connector Name	FORWARD SWITCH
Connector Type	S02FW



Terminal No.	Color of Wire	Signal Name [Specification]
32	B/W	-
41	Y/G	-

Connector No.	B557
Connector Name	POWER WALK-IN SWITCH
Connector Type	TR02FBR



Terminal No.	Color of Wire	Signal Name [Specification]
30	P	-
32	B/W	-

Connector No.	B559
Connector Name	SLIDING LIMIT SWITCH
Connector Type	TR02MBR-F



Terminal No.	Color of Wire	Signal Name [Specification]
4	O/B	-
32	B/W	-

Connector No.	B561
Connector Name	SLIDING SWITCH (SEATBACK)
Connector Type	A08FW



Terminal No.	Color of Wire	Signal Name [Specification]
22	W/G	-

23	GR/L	-
26	Y	-
32	B/W	-

Connector No.	B566
Connector Name	RECLINING MOTOR
Connector Type	NS02FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
36	G/Y	-
44	P	-

Connector No.	B567
Connector Name	SLIDING MOTOR
Connector Type	R038-0239



Terminal No.	Color of Wire	Signal Name [Specification]
35	W/R	-
42	W	-

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# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BODY HARNESS

Connector No.	B568
Connector Name	SLIDING SENSOR
Connector Type	MS02FW-0241



Terminal No.	Color of Wire	Signal Name [Specification]
16	O	-
24	R	-
31	GR	-

Connector No.	B569
Connector Name	LIFTING MOTOR (FRONT)
Connector Type	MS02FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
37	G/W	-
46	L/R	-

Connector No.	B570
Connector Name	LIFTING MOTOR (REAR)
Connector Type	MS02FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
38	L/Y	-

38	R/B	-
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Connector No.	B574
Connector Name	SEAT CUSHION HEATER
Connector Type	SM4FW



Terminal No.	Color of Wire	Signal Name [Specification]
59	B	-
66	B	-
68	R/W	-
69	R	-

Connector No.	B575
Connector Name	HEATED SEAT CONTROL UNIT
Connector Type	174923-1



Terminal No.	Color of Wire	Signal Name [Specification]
59	B	-
60	Y	-
66	B	-
67	W	-
68	R/W	-
69	R	-

Connector No.	B581
Connector Name	WIRE TO WIRE
Connector Type	MS02FW-LC



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

Connector No.	B582
Connector Name	WIRE TO WIRE
Connector Type	MS02MW-LC



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

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A  
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C  
D  
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L  
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PG

# CONNECTOR INFORMATION

## [POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

### D Door Harness

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DOOR HARNESS		D1		D2		D3		D4		D5		D6		D7			
Terminal No.	Color of Wire	Signal Name [Specification]	Terminal No.	Color of Wire	Signal Name [Specification]	Terminal No.	Color of Wire	Signal Name [Specification]	Terminal No.	Color of Wire	Signal Name [Specification]	Terminal No.	Color of Wire	Signal Name [Specification]	Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-	1	GR	-	1	SB	-	1	SB	-	1	B	-	1	B	-
2	B	-	2	B	-	2	BR	-	2	BR	-	2	V	-	2	V	-
3	SB	-	3	GR	-	3	GR	-	3	GR	-	3	B	-	3	B	-
4	V	-	4	R	-	4	B	-	4	B	-	4	R	-	4	R	-
5	L	-	5	R	-	5	R	-	5	R	-	5	G	-	5	G	-
6	P	-	6	GR	-	6	BG	-	6	BG	-	6	G	-	6	G	-
7	P	-	7	W	-	7	P	-	7	P	-	7	GR	-	7	GR	-
8	LG	-	8	W	-	8	GR	-	8	GR	-	8	GR	-	8	GR	-
9	P	-	9	W	-	9	GR	-	9	GR	-	9	GR	-	9	GR	-
10	LG	-	10	W	-	10	BR	-	10	BR	-	10	GR	-	10	GR	-
11	GR	-	11	W	-	11	W	-	11	W	-	11	GR	-	11	GR	-
12	GR	-	12	W	-	12	V	-	12	V	-	12	GR	-	12	GR	-
13	W	-	13	W	-	13	W	-	13	W	-	13	GR	-	13	GR	-
14	G	-	14	W	-	14	W	-	14	W	-	14	GR	-	14	GR	-
15	R	-	15	W	-	15	W	-	15	W	-	15	BG	-	15	BG	-
16	GR	-	16	W	-	16	W	-	16	W	-	16	BG	-	16	BG	-
17	SB	-	17	W	-	17	W	-	17	W	-	17	BG	-	17	BG	-
18	BR	-	18	W	-	18	W	-	18	W	-	18	BG	-	18	BG	-
19	BG	-	19	W	-	19	W	-	19	W	-	19	BG	-	19	BG	-
20	P	-	20	W	-	20	W	-	20	W	-	20	BG	-	20	BG	-
21	R	-	21	W	-	21	W	-	21	W	-	21	BG	-	21	BG	-
22	V	-	22	W	-	22	W	-	22	W	-	22	BG	-	22	BG	-
23	B	-	23	W	-	23	W	-	23	W	-	23	BG	-	23	BG	-
24	W	-	24	W	-	24	W	-	24	W	-	24	BG	-	24	BG	-
25	V	-	25	W	-	25	W	-	25	W	-	25	BG	-	25	BG	-
26	R	-	26	W	-	26	W	-	26	W	-	26	BG	-	26	BG	-
27	BR	-	27	W	-	27	W	-	27	W	-	27	BG	-	27	BG	-
28	W	-	28	W	-	28	W	-	28	W	-	28	BG	-	28	BG	-
29	Y	-	29	W	-	29	W	-	29	W	-	29	BG	-	29	BG	-
30	G	-	30	W	-	30	W	-	30	W	-	30	BG	-	30	BG	-
31	LG	-	31	W	-	31	W	-	31	W	-	31	BG	-	31	BG	-
32	GR	-	32	W	-	32	W	-	32	W	-	32	BG	-	32	BG	-
33	B	-	33	W	-	33	W	-	33	W	-	33	BG	-	33	BG	-
34	W	-	34	W	-	34	W	-	34	W	-	34	BG	-	34	BG	-
35	P	-	35	W	-	35	W	-	35	W	-	35	BG	-	35	BG	-
36	W	-	36	W	-	36	W	-	36	W	-	36	BG	-	36	BG	-
37	P	-	37	W	-	37	W	-	37	W	-	37	BG	-	37	BG	-
38	V	-	38	W	-	38	W	-	38	W	-	38	BG	-	38	BG	-
39	BR	-	39	W	-	39	W	-	39	W	-	39	BG	-	39	BG	-
40	G	-	40	W	-	40	W	-	40	W	-	40	BG	-	40	BG	-
41	GR	-	41	W	-	41	W	-	41	W	-	41	BG	-	41	BG	-
42	G	-	42	W	-	42	W	-	42	W	-	42	BG	-	42	BG	-
43	GR	-	43	W	-	43	W	-	43	W	-	43	BG	-	43	BG	-
44	BG	-	44	W	-	44	W	-	44	W	-	44	BG	-	44	BG	-
45	BR	-	45	W	-	45	W	-	45	W	-	45	BG	-	45	BG	-
46	L	-	46	W	-	46	W	-	46	W	-	46	BG	-	46	BG	-
47	B	-	47	W	-	47	W	-	47	W	-	47	BG	-	47	BG	-
48	S	-	48	W	-	48	W	-	48	W	-	48	BG	-	48	BG	-
49	SB	-	49	W	-	49	W	-	49	W	-	49	BG	-	49	BG	-
50	W	-	50	W	-	50	W	-	50	W	-	50	BG	-	50	BG	-

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# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

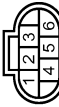
## DOOR HARNESS

Connector No.	D8
Connector Name	POWER WINDOW MAIN SWITCH
Connector Type	NS16FW-CS



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

Connector No.	D10
Connector Name	DRIVER SIDE POWER WINDOW MOTOR
Connector Type	FH06FGY-Z



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

Connector No.	D11
Connector Name	DOOR WOOFER LH
Connector Type	NS2ZFW-CS



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

Connector No.	D12
Connector Name	STEP LAMP (DRIVER SIDE)
Connector Type	TB02FW



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

Connector No.	D13
Connector Name	OUTSIDE HANDLE LH (REQUEST SWITCH)
Connector Type	FR02FL



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

Connector No.	D14
Connector Name	OUTSIDE HANDLE LH (OUTSIDE KEY ANTENNA)
Connector Type	FR02MGY



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

Connector No.	D15
Connector Name	DRIVER SIDE DOOR LOCK ASSEMBLY
Connector Type	EG6FGY-RS



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

Connector No.	D16
Connector Name	DOOR SQUAWKER LH
Connector Type	TR02FBR



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

Connector No.	D17
Connector Name	DOOR MIRROR REMOTE CONTROL SWITCH
Connector Type	TK16FBR



Terminal No.	Color of Wire	Signal Name [Specification]
4	BR	-
7	B	-
8	B	-
9	R	-
10	GR	-
11	LG	-
12	G	-
13	W	-
15	Y	-

Connector No.	D19
Connector Name	FRONT DOOR SATELLITE SENSOR LH
Connector Type	HR02FY-1V-EK-LC



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

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# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

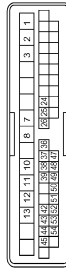
## DOOR HARNESS

Connector No.	D20
Connector Name	FRONT DOOR SATELLITE SENSOR RH
Connector Type	HK02FV-EX-LC



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

Connector No.	D31
Connector Name	WIRE TO WIRE
Connector Type	TH40FW-CS15



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

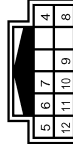
47	R	
48	SB	
49	W	
50	P	
51	V	
52	GR	
53	BG	
54	G	

Connector No.	D32
Connector Name	TWEETER RH
Connector Type	TK02MR-P



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

Connector No.	D33
Connector Name	DOOR MIRROR (PASSENGER SIDE)
Connector Type	TH12MW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
4	L	
5	BG	
6	GR	
7	G	
8	B	
9	P	
10	BR	
11	V	
12	V	

Connector No.	D34
Connector Name	TWEETER RH
Connector Type	TK02FBR



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

Connector No.	D36
Connector Name	DOOR SPEAKER RH
Connector Type	NS02FW-CS



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

Connector No.	D38
Connector Name	POWER WINDOW SUB-SWITCH
Connector Type	NS18FW-CS



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

8	L	
9	BR	
10	W	
11	B	
12	R	
15	LG	
16	Y	

Connector No.	D40
Connector Name	PASSENGER SIDE POWER WINDOW MOTOR
Connector Type	FH06FGY-Z



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

Connector No.	D41
Connector Name	DOOR WOOFER RH
Connector Type	NS02FW-CS



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

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# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## DOOR HARNESS

Connector No.	D42
Connector Name	STEP LAMP (PASSENGER SIDE)
Connector Type	TR02FW



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

Connector No.	D45
Connector Name	PASSENGER SIDE DOOR LOCK ASSEMBLY
Connector Type	EM0FY-HS



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

Connector No.	D43
Connector Name	OUTSIDE HANDLE RH (REQUEST SWITCH)
Connector Type	FR02FL



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

Connector No.	D46
Connector Name	DOOR SQUARE RH
Connector Type	TR02FBR



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

Connector No.	D44
Connector Name	OUTSIDE HANDLE RH (OUTSIDE KEY ANTENNA)
Connector Type	FR02MGY



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

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# CONNECTOR INFORMATION

## [POWER SUPPLY & GROUND CIRCUIT]


< DTC/CIRCUIT DIAGNOSIS >

### E Engine Room Harness

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**ENGINE ROOM HARNESS**


Connector No.	E1
Connector Name	FUSIBLE LINK HOLDER
Connector Type	LO2FB-MC



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

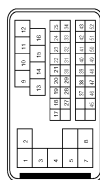
Connector No.	E2
Connector Name	FUSIBLE LINK HOLDER
Connector Type	LO2FY-MC



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


Connector No.	E3
Connector Name	WIRE TO WIRE
Connector Type	SAAS0MB-RSS-SH2Z



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


Connector No.	E4
Connector Name	IPM E/R INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	LO2FB-MC



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


Connector No.	E5
Connector Name	IPM E/R INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	TH2DFW-CS1Z-MA-1V



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

Connector No.	E6
Connector Name	IPM E/R INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	TH08FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
39	P	-
40	L	-
41	B/W	-
42	Y	-
43	SB	-
44	LG	-
45	G	-
46	W	-

Terminal No.	Color of Wire	Signal Name [Specification]
4	V	-
5	L	-
6	SB	-
7	R	-
12	B/W	-
13	Y	-
16	LG	-
18	W	-
25	G	-
26	R	-
27	BG	-
28	L	-
30	GR	-
36	G	-

Terminal No.	Color of Wire	Signal Name [Specification]
3	L/B	-
4	SHIELD	-
5	BR	-
7	G	-
8	W	-
9	W	-
10	Y	-
11	P	-
12	SB	-
13	BR	-
14	G	-
15	R	-
16	LG	-
17	P	-
18	Y	-
19	BG	-
20	B	-
21	SB	-
22	W	-
23	L	-
24	G	-
25	V	-
27	GR	-
28	V	-
29	P	-
30	R	-
31	BR	-
32	Y	-
33	G	-
34	BG	-
37	SHIELD	-
39	P	-
40	R	-
41	W	-
42	LG	-
43	G	-
45	BG	-
46	SHIELD	-
47	W	-
48	BR	-
49	G	-
50	B	-
51	SB	-
52	R	-

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# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

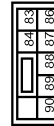
## ENGINE ROOM HARNESS

Connector No.	E7
Connector Name	ENGINE ROOM INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	TH20FW-CS12-M4



Terminal No.	Color of Wire	Signal Name [Specification]
48	BR	-
49	BG	-
51	Y	-
53	W	-
54	P	-
55	SB	-
56	LG	-
57	G	-
58	GR	-
69	BR	-
70	BG	-
73	P	-
74	G	-
75	SB	-
76	Y	-
77	R	-
80	W	-

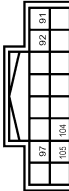
Connector No.	E8
Connector Name	ENGINE ROOM INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	NS08FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
83	R	-
84	P	-
86	W	-
87	L	-
88	G	-

89	BR	-
90	LG	-

Connector No.	E9
Connector Name	ENGINE ROOM INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	TH16FW-RH



Terminal No.	Color of Wire	Signal Name [Specification]
91	P	-
92	BG	-
97	V	-
104	LG	-
105	L	-

Connector No.	E10
Connector Name	FUSIBLE LINK HOLDER
Connector Type	24380-JL00A



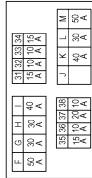
Terminal No.	Color of Wire	Signal Name [Specification]
N	R	-
O	LG	-

Connector No.	E11
Connector Name	HORN RELAY 1
Connector Type	Relay 24381-7990A

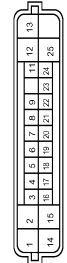


Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
2	SB	-
3	Y	-

Connector No.	E12
Connector Name	FUSE AND FUSIBLE LINK BLOCK
Connector Type	24381-7990A



Connector No.	E15
Connector Name	VVEL CONTROL MODULE
Connector Type	RH18FB-AJ23-RH



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	VVEL ACTUATOR MOTOR POWER SUPPLY (B2)
2	L/B	VVEL ACTUATOR MOTOR (HIGH LIFT) (B2)
3	G	VVEL CONTROL SHAFT POS SEN Z (B1)
4	W	SENSOR GROUND
5	R	VVEL CONTROL SHAFT POS SEN Z (B2)
6	B	SENSOR GROUND
7	SB	SENSOR POWER SUPPLY
8	BG	POWER SUPPLY FOR VVEL CONTROL MODULE
9	LG	SENSOR POWER SUPPLY
11	G	CAN COMMUNICATION LINE (ECM)
12	G	VVEL ACTUATOR MOTOR (HIGH LIFT) (B1)
13	W	VVEL ACTUATOR MOTOR POWER SUPPLY (B1)
14	B/W	VVEL CONTROL MODULE GROUND
15	L/Y	VVEL ACTUATOR MOTOR (LOW LIFT) (B2)
16	R	VVEL CONTROL SHAFT POS SEN L (B1)
17	L	SENSOR GROUND
18	G	VVEL CONTROL SHAFT POS SEN L (B2)
19	W	SENSOR GROUND
20	BR	SENSOR POWER SUPPLY
21	V	VVEL ACTUATOR MOTOR RELAY ABORT SIGNAL
22	P	SENSOR POWER SUPPLY
23	Y	VVEL CONTROL MOTOR RELAY
24	L	CAN COMMUNICATION LINE
25	BR	VVEL CONTROL MOTOR (LOW LIFT) (B1)

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# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## ENGINE ROOM HARNESS

Connector No.	E16
Connector Name	VVEL ACTUATOR MOTOR RELAY
Connector Type	Z4347 9F900



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

Connector No.	E17
Connector Name	COOLING FAN RELAY
Connector Type	Z4347 9F900



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

Connector No.	E18
Connector Name	HORN RELAY 2
Connector Type	MODFN-R-LC



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

Connector No.	E21
Connector Name	BATTERY CURRENT SENSOR
Connector Type	RH03FB



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

Connector No.	E27
Connector Name	FRONT WHEEL SENSOR RH
Connector Type	AAZ02FB1



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

Connector No.	E28
Connector Name	FRONT COMBINATION LAMP RH
Connector Type	RS38FB-PR



Terminal No.	Color of Wire	Signal Name [Specification]
3	B	-
4	B/W	-
5	R	-
6	LG	- [Without daytime running light]
6	V	- [With daytime running light]
7	BR	-
8	P	-

Connector No.	E29
Connector Name	FRONT FOG LAMP RH
Connector Type	FH202FB



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

Connector No.	E30
Connector Name	HOOD SWITCH
Connector Type	RH02FB



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

Connector No.	E31
Connector Name	WASHER PUMP
Connector Type	EQ2FY-RS



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

Connector No.	E32
Connector Name	WASHER LEVEL SWITCH
Connector Type	Z02FB



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

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# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## ENGINE ROOM HARNESS

Connector No.	E38
Connector Name	CRASH ZONE SENSOR
Connector Type	HR02FY-IV-EX-1C



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

Connector No.	E37
Connector Name	COOLING FAN CONTROL MODULE
Connector Type	SJZ01FY-SNZ2



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

Connector No.	E41
Connector Name	ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)
Connector Type	8BA42FB-4HZ4-EH



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

Terminal No.	Color of Wire	Signal Name [Specification]
2	L	UBMR
3	R	UBVR
4	B	GND
5	Y	DS FL
6	BG	DP RL
7	BR	DP RR
8	B	DP FR
9	B	DS FR
10	W	DIAG-K
11	V	CAN-L
14	P	CAN-L
25	Y	BUS-L
26	LG	DP FL
27	GR	DS RL
28	G	UZ
29	P	DS RR
30	SB	BLS
31	R	VDC OFF SW
35	L	CAN-H
45	B	BUS-H

Connector No.	E42
Connector Name	FRONT WIPER MOTOR
Connector Type	HS05FGY



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

Connector No.	E47
Connector Name	BRAKE FLUID LEVEL SWITCH
Connector Type	YV02FGY



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

Connector No.	E48
Connector Name	BRAKE BOOSTER PRESSURE SENSOR
Connector Type	RH03FB



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

Connector No.	E51
Connector Name	JDC BRAKE HOLD RELAY
Connector Type	MS02FL-MZ-LC



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

Terminal No.	2	V	-
Terminal No.	3	R	-
Terminal No.	5	P	-

Connector No.	E52
Connector Name	SHIFT LOCK RELAY
Connector Type	MS02FL-MZ-LC



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

Connector No.	E53
Connector Name	DAYTIME RUNNING LIGHT RELAY
Connector Type	MS02FL-MZ-LC



Terminal No.	Color of Wire	Signal Name [Specification]
1	SB	-
2	L	-
3	SE	-
5	BG	-

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# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

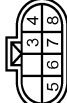
## ENGINE ROOM HARNESS

Connector No.	E57
Connector Name	INTELLIGENT KEY WARNING BUZZER
Connector Type	FR03FBR



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

Connector No.	E58
Connector Name	FRONT COMBINATION LAMP LH
Connector Type	RS08FB-PR



Terminal No.	Color of Wire	Signal Name [Specification]
3	B	-
4	B/W	-
5	P	-
6	GR	-
7	LG	-
8	BG	-

Connector No.	E59
Connector Name	FRONT FOG LAMP LH
Connector Type	FR20ZFB



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



Connector No.	E60
Connector Name	FRONT WHEEL SENSOR LH
Connector Type	AA20ZFB1



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



Connector No.	E61
Connector Name	HORN (HIGH)
Connector Type	FR1FB-BR-A



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

Connector No.	E62
Connector Name	HORN (HIGH)
Connector Type	FR1FB-A



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

Connector No.	E67
Connector Name	IGC SENSOR INTEGRATED UNIT
Connector Type	RS06FB-PR



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	IGNITION
2	V	BRAKE HOLD RLY DRIVE SIGNAL
3	L	CAN-H
4	B	GND
6	P	CAN-L

Connector No.	E69
Connector Name	HORN (LOW)
Connector Type	FR1FB-BR-A



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

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

Connector No.	E70
Connector Name	HORN (LOW)
Connector Type	FR1FB-A



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

Connector No.	E75
Connector Name	EXHAUST GAS / OUTSIDE ROOM DETECTING SENSOR
Connector Type	RH03FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	POWER
2	B	GND
3	LG	EXHAUST GAS / OUTSIDE ROOM DETECTING SENSOR SIGNAL

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# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## ENGINE ROOM HARNESS

Connector No.	E176
Connector Name	AMBIENT SENSOR
Connector Type	RS02FB



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

Connector No.	E177
Connector Name	REFRIGERANT PRESSURE SENSOR
Connector Type	RK03FB



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

Connector No.	E101
Connector Name	FUSE BLOCK (J/B)
Connector Type	LS01FW-MC



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

Connector No.	E102
Connector Name	FUSE BLOCK (J/B)
Connector Type	MW2FB-LC



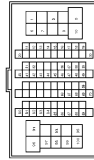
Terminal No.	Color of Wire	Signal Name [Specification]
1E	G	-

Connector No.	E103
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS16FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1F	SB	-
2F	V	-
4F	G	-
6F	BG	-
8F	L	-
9F	R	-

Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	TH06FW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
3	BG	-
5	G	-
6	BG	-
7	LG	-
7	V	- [Without daytime running light]
7	LV	- [With daytime running light]
9	L	-
9	R	- [Without daytime running light]
10	W	-
11	V	-
12	R	-
13	L	-
14	GR	-
15	P	-
16	W	-
17	V	-
18	BG	-
19	GR	-
20	LG	-
30	R	-
31	L	-
32	BG	-
36	W	-
37	Y	-
38	R	-
39	B	-
40	G	-
41	W	-
42	LG	-
43	SB	-
44	GR	-
45	BG	-
46	LG	-
47	V	-
48	P	-
49	L	-
59	B	-
66	LG	-
67	SB	-
68	R	-
69	W	-
70	C	-
80	W	-
81	B	-
82	C	-
83	V	-
84	LG	-
85	BG	-
86	LG	-
87	Y	-

88	GR	-
89	W	-
91	G	-
93	GR	-
95	Y	-
96	Y	-
97	BR	-
98	SHIELD	-
99	L	-
100	P	-

Connector No.	E107
Connector Name	PARKING BRAKE SWITCH
Connector Type	TB01FW



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

Connector No.	E108
Connector Name	ASCD CLUTCH SWITCH
Connector Type	SG2FL



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

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# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## ENGINE ROOM HARNESS

Connector No.	E109
Connector Name	ASC2 BRAKE SWITCH
Connector Type	SS2FL



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	- [With A.T]
1	R	- [With M.T]
2	V	-

Connector No.	E110
Connector Name	STOP LAMP SWITCH
Connector Type	MMFW-LC



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

Connector No.	E111
Connector Name	CLUTCH INTERLOCK SWITCH
Connector Type	SS2FL



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



Connector No.	E112
Connector Name	ACCELERATOR PEDAL POSITION SENSOR
Connector Type	RH06FB



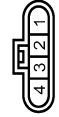
Terminal No.	Color of Wire	Signal Name [Specification]
1	P	-
2	V	-
3	R	-
4	W	-
5	L	-
6	GR	-

Connector No.	E114
Connector Name	ICC BRAKE SWITCH
Connector Type	SS2FL



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

Connector No.	E116
Connector Name	BRAKE PEDAL STROKE SENSOR
Connector Type	HS4FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	S1
2	R	VCC
3	G	SZ
4	B	GND

Connector No.	E117
Connector Name	WIRE TO WIRE
Connector Type	M08MW-LC



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	L	-
3	GR	-
4	P	-
5	BR	-
6	BG	-

Connector No.	E118
Connector Name	WIRE TO WIRE
Connector Type	M02FW-LC



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

Connector No.	E119
Connector Name	STOP LAMP SWITCH
Connector Type	M06FW-LC



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

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# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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## ENGINE ROOM HARNESS

Connector No.	E201
Connector Name	FUSIBLE LINK HOLDER
Connector Type	24340 79908



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

Connector No.	E202
Connector Name	FUSIBLE LINK HOLDER
Connector Type	24340 79905



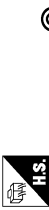
Terminal No.	Color of Wire	Signal Name [Specification]
6	B/GY	-

Connector No.	E203
Connector Name	ALTERNATOR
Connector Type	24340 65F45



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

Connector No.	E204
Connector Name	STARTER MOTOR
Connector Type	2434E 51E61



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

Connector No.	E301
Connector Name	COOLING FAN CONTROL MODULE
Connector Type	6188-0259



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

Connector No.	E302
Connector Name	COOLING FAN CONTROL MODULE
Connector Type	6188-0259



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

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# CONNECTOR INFORMATION

## [POWER SUPPLY & GROUND CIRCUIT]

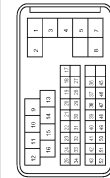
< DTC/CIRCUIT DIAGNOSIS >

### F Engine Control Harness

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**ENGINE CONTROL HARNESS**

Connector No.	F1
Connector Name	WIRE TO WIRE
Connector Type	ISA3RFB-RSP-SH28



Terminal No.	Color of Wire	Signal Name [Specification]
1	L/Y	-
2	SHIELD	-
3	L/B	-
4	SHIELD	-
5	BR	-
7	G	-
8	W	-
9	W	-
10	G	-
11	R	-
12	P	-
13	L	-
14	LG	-
15	R	-
16	O	-
17	W	-
18	LG	-
19	P	-
20	O	-
21	BR	-
22	G	-
23	Y	-
24	LG	-
25	V	-
27	GR	-
28	BR	-
29	L	-
30	F	-
31	P	-
32	W	-
33	SB	-
34	BR	-
35	O	-
36	LG	-
37	SHIELD	-
38	W	-

Terminal No.	Color of Wire	Signal Name [Specification]
38	Y	-
40	G	-
41	B	-
42	GR	-
43	R	-
45	O	-
46	SHIELD	-
47	W/L	-
48	LG	-
49	O/L	-
50	L/Y	-
51	W	-
52	L/G	-

Connector No.	F2
Connector Name	CRANKSHAFT POSITION SENSOR (PCS)
Connector Type	RH03FB



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

Connector No.	F3
Connector Name	AIR FUEL RATIO (A/F) SENSOR 1 (BANK 1)
Connector Type	RH04MDGY-BR



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

Terminal No.	Color of Wire	Signal Name [Specification]
4	Y	- [EWD models]

Connector No.	F5
Connector Name	CRANKSHAFT POSITION SENSOR (PHASE) (BANK 1)
Connector Type	RH03FB



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

Connector No.	F6
Connector Name	ELECTRIC THROTTLE CONTROL ACTUATOR (BANK 1)
Connector Type	RH06FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	MOTOR 1-1
2	BR	MOTOR 1-2
3	R	GM0-A (TPS)
4	Y	TPS 1-1
5	B	TPS 2-1
6	L	AVCC-TPS

Connector No.	F7
Connector Name	EVAP CANISTER PURGE VOLUME CONTROL SOLENOID VALVE
Connector Type	EC02F-RS-LGY



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

Connector No.	F8
Connector Name	CONDENSER
Connector Type	M02FW-LC



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

# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## ENGINE CONTROL HARNESS

Connector No.	F8
Connector Name	WIRE TO WIRE
Connector Type	RS04FL-B



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

Connector No.	F10
Connector Name	WIRE TO WIRE
Connector Type	RH08FB



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

Connector No.	F11
Connector Name	IGNITION COIL No. 1 (WITH POWER TRANSISTOR)
Connector Type	EG03FY-RS



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

Connector No.	F12
Connector Name	IGNITION COIL No. 3 (WITH POWER TRANSISTOR)
Connector Type	EG03FY-RS



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

Connector No.	F13
Connector Name	IGNITION COIL No. 3 (WITH POWER TRANSISTOR)
Connector Type	EG03FY-RS



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



Connector No.	F14
Connector Name	IGNITION COIL No. 4 (WITH POWER TRANSISTOR)
Connector Type	EG03FY-RS



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

Connector No.	F15
Connector Name	IGNITION COIL No. 5 (WITH POWER TRANSISTOR)
Connector Type	EG03FY-RS



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

Connector No.	F16
Connector Name	IGNITION COIL No. 6 (WITH POWER TRANSISTOR)
Connector Type	EG03FY-RS



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

Connector No.	F17
Connector Name	ENGINE COOLANT TEMPERATURE SENSOR
Connector Type	EG03FY-RS



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

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# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## ENGINE CONTROL HARNESS

Connector No.	F13
Color of Wire	[WASHLET POSITION SENSOR PHASE1 (BANK 2)]
Connector Name	
Connector Type	RH03FB



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

Connector No.	F20
Color of Wire	AMP FUEL RATIO (A/F) SENSOR 1 (BANK 2)
Connector Name	
Connector Type	RH04MD/GY-BR



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
2	V	-
3	SB	- [DMD model]
3	W	- [DMD model]
4	O	- [DMD model]
4	Y	- [DMD model]

Connector No.	F27
Color of Wire	ELECTRIC THROTTLE CONTROL ACTUATOR (BANK 2)
Connector Name	
Connector Type	RH06FB



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

Connector No.	F28
Color of Wire	IN-TAKE VALVE TRIMMING CONTROL SOLENOID VALVE (BANK 1)
Connector Name	
Connector Type	EG02FG-RS-LGY



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

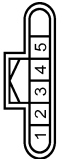
Connector No.	F29
Color of Wire	IN-TAKE VALVE TRIMMING CONTROL SOLENOID VALVE (BANK 2)
Connector Name	
Connector Type	EG02FG-RS-LGY



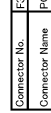
Terminal No.	1	Color of Wire	G	Signal Name [Specification]	-
2	2	R	-	-	-



Connector No.	F31
Color of Wire	MASS AIR FLOW SENSOR (BANK 1)
Connector Name	
Connector Type	RH08FB



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



Connector No.	F35
Color of Wire	POWER STEERING PRESSURE SENSOR
Connector Name	
Connector Type	RH03FB



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

Connector No.	F38
Color of Wire	ALTERNATOR
Connector Name	
Connector Type	HS03FB



Terminal No.	Color of Wire	Signal Name [Specification]
2	G	L
3	V	S
4	W	C

Connector No.	F37
Color of Wire	OIL PRESSURE SWITCH
Connector Name	
Connector Type	EG1FG-RS-AR



Terminal No.	1	Color of Wire	BR	Signal Name [Specification]	-
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# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## ENGINE CONTROL HARNESS

Connector No.	F33
Connector Name	ENGINE OIL TEMPERATURE SENSOR
Connector Type	EO2FGY-HS



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	B	- [2VD models]
2	B/W	- [4VD models]

Connector No.	F42
Connector Name	MASS AIR FLOW SENSOR (BANK 2)
Connector Type	RH0EFB



Terminal No.	Color of Wire	Signal Name [Specification]
3	BR	-
4	Y	-
5	GR	-

Connector No.	F43
Connector Name	COMPRESSOR
Connector Type	RS0TFB



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

Terminal No.	1	L	-
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Connector No.	F44
Connector Name	COMPRESSOR
Connector Type	RK0ZFGY



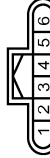
Terminal No.	Color of Wire	Signal Name [Specification]
2	Y	-
3	O	-

Connector No.	F45
Connector Name	POWER STEERING SOLENOID VALVE
Connector Type	RS0ZFBR-DGY



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

Connector No.	F46
Connector Name	VEEL CONTROL SHFT POSITION SENSOR (BANK 1)
Connector Type	RH0EFB



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

Connector No.	F47
Connector Name	VEEL CONTROL SHFT POSITION SENSOR (BANK 2)
Connector Type	RH0EFB



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

Connector No.	F48
Connector Name	VEEL ACTUATOR MOTOR (BANK 1)
Connector Type	XQ2FB



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

Connector No.	F49
Connector Name	VEEL ACTUATOR MOTOR (BANK 2)
Connector Type	XQ2FB



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

Connector No.	F50
Connector Name	MANIFOLD ABSOLUTE PRESSURE (MAP) SENSOR
Connector Type	RH0EFB



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

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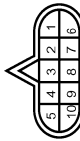
# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## ENGINE CONTROL HARNESS

Connector No.	F51
Connector Name	A/T ASSEMBLY
Connector Type	RK0DFG-DGY



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	POWER SUPPLY
2	R	POWER SUPPLY (BACK-UP)
3	L	CAN-H
4	V	K-LINE
5	B	GROUND
6	G	POWER SUPPLY
7	R	BACK-UP LAMP RELAY
8	P	CAN-L
9	GR	STARTER RELAY
10	B	GROUND

Connector No.	F52
Connector Name	STARTER MOTOR
Connector Type	X01MGY



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

Connector No.	F53
Connector Name	HEATED OXYGEN SENSOR 2 (BANK 2)
Connector Type	AFZ04FB



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

Connector No.	F54
Connector Name	HEATED OXYGEN SENSOR 2 (BANK 1)
Connector Type	AFZ04FB



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

Connector No.	F55
Connector Name	PARK / NEUTRAL POSITION SWITCH
Connector Type	RK02FB



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

Connector No.	F56
Connector Name	BACK-UP LAMP SWITCH
Connector Type	RK02FB



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

Connector No.	F57
Connector Name	AMD SOLENOID
Connector Type	RK08FB



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

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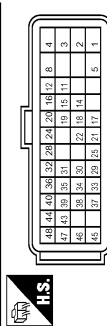
# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## ENGINE CONTROL HARNESS

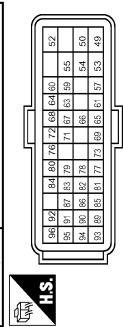
Connector No.	F101
Connector Name	ECM
Connector Type	RH40FEB-R28-L-LH-Z



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	A/F SEN 1 HEATER (B1)
2	G	THROTTLE CONTROL MOTOR (OPEN) (B1)
3	R	THROTTLE CONTROL MOTOR POWER SUPPLY (B1)
4	BR	THROTTLE CONTROL MOTOR (CLOSE) (B1)
5	SB	A/F SEN 1 HEATER (B2) [AMD models]
5	W	A/F SEN 1 HEATER (B2) [2WD models]
8	B	ECM GROUND
11	GR	IGNITION SIGNAL No. 4
12	L	IGNITION SIGNAL No. 3
15	V	IGNITION SIGNAL No. 2
16	G	HEATED OXYGEN SENSOR 2 HEATER (B1)
17	P	HEATED OXYGEN SENSOR 2 HEATER (B2)
18	W	IVT CONTROL SOLENOID VALVE (B1)
19	SB	IGNITION SIGNAL No. 6
20	Y	IGNITION SIGNAL No. 1
21	GR	EVAP CANISTER PURGE VOLUME CONTROL SOLENOID VALVE
22	R	FUEL PUMP RELAY
24	P	ECM RELAY (SELF SHUT-OFF)
25	BR	THROTTLE CONTROL MOTOR RELAY [AMD models]
25	O	THROTTLE CONTROL MOTOR RELAY [2WD models]
28	BR	VVEL CONTROL MODULE
29	G	IVT CONTROL SOLENOID VALVE (B2)
30	Y	TPS 1 (B1)
31	R	TPS 1 (B2)
33	SB	HEATED OXYGEN SENSOR 2 HEATER (B2)
34	B	TPS 2 (B1)
35	W	TPS 2 (B2)
36	O	SENSOR GROUND
37	W	MAP SENSOR
38	O	PGS SENSOR
38	P	BRAKE BOOST PRESS SENSOR [2WD models]
38	SB	BRAKE BOOST PRESS SENSOR [AMD models]
40	R	SENSOR GROUND
44	G	SENSOR POWER SUPPLY
44	L	SENSOR POWER SUPPLY
45	LG	SENSOR POWER SUPPLY
46	R	SENSOR POWER SUPPLY
47	Y	SENSOR GROUND

48	B	SENSOR GROUND
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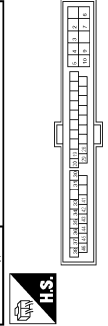
Connector No.	F102
Connector Name	ECM
Connector Type	RH40FEB-R28-L-LH-Z



Terminal No.	Color of Wire	Signal Name [Specification]
48	GR	THROTTLE CONTROL MOTOR (CLOSE) (B2)
50	V	THROTTLE CONTROL MOTOR (OPEN) (B2)
52	R	THROTTLE CONTROL MOTOR POWER SUPPLY (B2)
53	W	IGNITION SWITCH
54	Y	CAN COMMUNICATION LINE (VVEL CONTROL MODULE)
55	LG	CAN COMMUNICATION LINE (VVEL CONTROL MODULE)
57	L	A/F SENSOR 1 (B1)
59	O	PHASE SENSOR (B1) [AMD models]
60	G	PHASE SENSOR (B1) [2WD models]
60	G	SENSOR POWER SUPPLY
61	R	A/F SENSOR 1 (B1)
63	L	PHASE SENSOR (B2)
64	SB	SENSOR POWER SUPPLY
65	LG	A/F SENSOR 1 (B2)
66	V	A/F SENSOR 1 (B2)
67	P	IAT SENSOR
68	LG	SENSOR GROUND
69	W	KNOCK SENSOR (B2)
71	Y	ECT SENSOR
72	SHIELD	SENSOR GROUND
73	W	KNOCK SENSOR (B1)
76	W	HEATED OXYGEN SENSOR 2 (B1)
77	SB	MAF SENSOR (B1)
78	GR	ECT SENSOR
78	BR	MAF SENSOR (B2)
80	O	HEATED OXYGEN SENSOR 2 (B2)
81	R	FUEL INJECTOR No. 3
82	V	FUEL INJECTOR No. 9
84	B	SENSOR GROUND
85	BR	FUEL INJECTOR No. 2
86	W	FUEL INJECTOR No. 3
87	L	PSP SENSOR
88	GR	FUEL INJECTOR No. 1
90	O	FUEL INJECTOR No. 4
91	SB	BATTERY CURRENT SENSOR

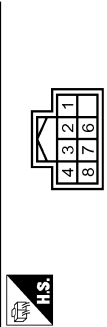
92	G	SENSOR GROUND
93	P	POWER SUPPLY FOR ECM
94	Y	SENSOR GROUND
95	G	SENSOR GROUND [AMD models]
96	BR	SENSOR GROUND [2WD models]
96	P	SENSOR GROUND [2WD models]

Connector No.	F103
Connector Name	WIRE TO WIRE
Connector Type	TK38FW-NS10



Terminal No.	Color of Wire	Signal Name [Specification]
2	G	-
3	W	-
4	R	-
5	B	-
9	Y	-
10	GR	-
19	O	-
20	Y	-
29	B	-
29	LG	-
30	R	-
31	R	-
33	B	-
34	B	-
35	L	-
36	P	-
37	Y	-
38	G	-
41	O	-
42	BR	-
44	L	-
45	C	-
46	V	-

Connector No.	F104
Connector Name	WIRE TO WIRE
Connector Type	TH88FV-RH



Terminal No.	Color of Wire	Signal Name [Specification]
1	P	- [2WD models]
1	Y	- [2WD models]
2	V	- [2WD models]
2	W	- [2WD models]
3	L	- [2WD models]
3	R	- [2WD models]
4	GR	- [2WD models]
4	Y	- [2WD models]
6	V	- [2WD models]
7	O	- [2WD models]
7	R	- [2WD models]
8	BR	- [2WD models]
8	O	- [2WD models]

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# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## ENGINE CONTROL HARNESS

Connector No.	F105
Connector Name	WIRE TO WIRE
Connector Type	TH188MW-NH



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

Connector No.	F106
Connector Name	WIRE TO WIRE
Connector Type	TH12FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	- [2WD models]
2	Y	- [4WD models]
3	GR	- [4WD models]
4	UR	- [4WD models]
5	R	- [4WD models]
6	V	- [4WD models]
7	P	- [4WD models]
8	W	- [4WD models]

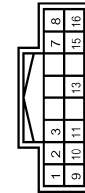
5	BR	- [4WD models]
6	Y	- [2WD models]
7	BR	- [4WD models]
8	BR	- [2WD models]
9	GR	- [4WD models]
10	LG	- [4WD models]
11	O	- [4WD models]
12	SB	- [2WD models]

Connector No.	F107
Connector Name	WIRE TO WIRE
Connector Type	TH12MW-NH



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

Connector No.	F108
Connector Name	AWD CONTROL UNIT
Connector Type	TH18FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	AWD SOL (+)
2	Y	AWD SOL (-)
3	W	FLUID TEMP (-)
4	G	IGN
7	L	CAN-H
8	O	AWD SOL BAT
9	B	GND
10	B	GND
11	B	GND
13	LG	FLUID TEMP (+)
15	Y	BATTERY
16	P	CAN-L

Connector No.	F120
Connector Name	WIRE TO WIRE
Connector Type	RH08MB



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

Connector No.	F121
Connector Name	FUEL INJECTOR No. 1
Connector Type	HS02FGY



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

Connector No.	F122
Connector Name	FUEL INJECTOR No. 2
Connector Type	HS02FGY



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

Connector No.	F123
Connector Name	FUEL INJECTOR No. 3
Connector Type	HS02FGY



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



# CONNECTOR INFORMATION

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

## ENGINE CONTROL HARNESS

Connector No.	F124
Connector Name	FUEL INJECTOR No. 4
Connector Type	HSZDFGY



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

Connector No.	F125
Connector Name	FUEL INJECTOR No. 5
Connector Type	HSZDFGY



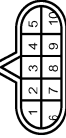
Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	W	-

Connector No.	F126
Connector Name	FUEL INJECTOR No. 6
Connector Type	HSZDFGY



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

Connector No.	F157
Connector Name	TCM (TRANSMISSION CONTROL MODULE)
Connector Type	SP10FG



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

Connector No.	F161
Connector Name	TRANSMISSION RANGE SWITCH
Connector Type	A03FW



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

Connector No.	F201
Connector Name	WIRE TO WIRE
Connector Type	RS04ML-B



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

Connector No.	F202
Connector Name	KNOCK SENSOR (BANK 2)
Connector Type	EQ2FG-RS-LGY



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

Connector No.	F203
Connector Name	KNOCK SENSOR (BANK 1)
Connector Type	EQ2FG-RS-LGY



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

1	W
2	SHIELD

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# CONNECTOR INFORMATION

## [POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

### M Main Harness

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#### MAIN HARNESS

Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS10FW-M2



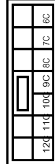
Terminal No.	Color of Wire	Signal Name [Specification]
1A	V	-
2A	G	-
3A	L	-
4A	P	-
5A	L	-
6A	Y	-
7A	R	-
8A	L	-

Connector No.	M2
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS10FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1B	SB	-
2B	P	-
3B	G	-
4B	EG	-
5B	Y	-
6B	P	-
7B	R	-
8B	SB	-

Connector No.	M3
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS12FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
6C	SB	-
7C	B	-
8C	W	-
9C	BG	-
10C	L	-
11C	LG	-
12C	G	-

Connector No.	M4
Connector Name	WIRE TO WIRE
Connector Type	TH08FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	LG	-
3	BG	-
5	R	-
6	L	-

Connector No.	M5
Connector Name	WIRE TO WIRE
Connector Type	TH40MM-CS15



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	B	-
3	BG	-
4	V	-
6	SB	-
8	G	-
10	V	-
12	L	-
13	W	-
14	B	-
15	W	-
16	R	-
17	BR	-
18	V	-
19	BG	-
20	P	-
21	W	-
25	Y	-
26	G	-
27	L	-
28	Y	-
29	G	-
30	SB	-
31	LG	-
32	W	-
33	B	-
36	W	-
37	GR	-
38	Y	-
39	B	-
42	Y	-
43	L	-
44	G	- [With automatic drive positioner]
44	L	- [Without automatic drive positioner]
47	L	-
48	GR	-
49	SB	-
50	P	-

51	LG	-
52	V	-
53	BR	-
54	Y	-
55	SHIELD	-

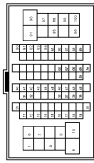
# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## MAIN HARNESS

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	BG	-
3	R	-
5	G	-
6	LG	-
7	W	-
9	G	-
10	W	-
11	V	-
12	R	-
13	L	-
14	GR	-
15	P	-
16	W	-
17	BR	-
18	P	-
19	L	-
20	L	-
30	BR	-
31	L	-
32	Y	-
36	R	-
37	Y	-
38	R	-
39	SB	-
40	G	-
41	V	-
42	LG	-
43	P	-
44	B	- [With A/T] - [With M/T]
45	B	-
46	BG	-
47	G	-
48	L	-
49	L	-
50	B	-
55	Y	-
67	G	-

68	R	-
69	W	-
70	G	-
80	SB	-
81	B	-
82	V	-
83	W	-
84	L	-
85	GR	-
86	G	-
87	R	-
88	B	-
89	LG	-
91	W	-
93	Y	-
95	Y	-
96	R	-
97	GR	-
98	SHIELD	-
99	V	-
100	SB	-

Connector No.	M7
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
2	P	-
3	P	- [Without automatic drive actuator] - [With automatic drive actuator]
3	SB	-
4	Y	-
6	L	-
15	R	-
16	BR	-
17	V	-
18	V	-
20	L	-
21	P	-
22	L	-
23	P	-
24	V	-

25	LG	-
26	BR	-
27	BG	-
28	LG	-
31	V	-
32	LG	-
33	SHIELD	-
34	GR	-
35	BR	-
36	Y	-
37	SHIELD	-
38	SB	-
39	LG	-
40	O	-
41	W	-
42	SHIELD	-
43	R	-
44	G	-
45	SHIELD	-
46	SB	-
48	L	-
50	P	-
55	W	-
56	B	-
58	V	-
59	Y	-
60	Y	-
61	W	-
62	R	-
63	G	-
64	B	-
65	SHIELD	-
71	V	-
72	P	-
73	SB	-
74	V	-
81	W	-
82	BR	-
84	LG	-
85	BG	-
86	SB	-
87	G	-
88	GR	-
90	B	-
91	BG	-
98	BG	-
99	F	-
100	P	-

Connector No.	M8
Connector Name	RESISTOR
Connector Type	M02FBR-LC



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

Connector No.	M9
Connector Name	DIODE
Connector Type	2433Z-C8000



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

JRMWD3125GB

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# CONNECTOR INFORMATION

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

## MAIN HARNESS

Connector No.	M19
Connector Name	VDC OFF SWITCH
Connector Type	TR08FY



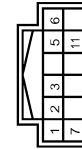
Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	B	-
3	SB	-
4	B	-

Connector No.	M20
Connector Name	TRUNK LID OPENER SWITCH
Connector Type	TR04FW



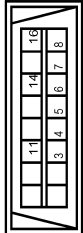
Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
2	B	-
3	LG	-
4	R	-

Connector No.	M22
Connector Name	KEY SLOT
Connector Type	TR12FW-HE



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	BAT
2	GR	CLOCK
3	W	DATA
5	Y	ILL BAT
6	LG	ILL
7	B	GRD
11	SB	KEY SWITCH SIGNAL

Connector No.	M24
Connector Name	DATA LINK CONNECTOR
Connector Type	BD18FW-P



Terminal No.	Color of Wire	Signal Name [Specification]
3	LG	-
4	B	-
5	B	-
6	L	-
7	V	-
8	G	-
11	SB	-
14	P	-
16	R	-

Connector No.	M25
Connector Name	WIRE TO WIRE
Connector Type	NS18MW-CS



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

3	BR	-
4	R	-
5	L	-
6	LG	-
7	B	-
12	Y	-
13	SB	-
14	R	-
15	G	-
16	W	-

Connector No.	M26
Connector Name	WIRE TO WIRE
Connector Type	TR02FW



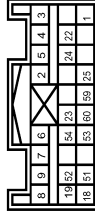
Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	P	-

Connector No.	M27
Connector Name	WIRE TO WIRE
Connector Type	TR02MW



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

Connector No.	M28
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	NR28FY-EX



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
2	B	-
3	Y	-
4	Y	-
5	Y	-
6	Y	-
7	Y	-
8	Y	-
9	Y	-
18	SB	-
19	V	-
22	SHIELD	-
23	LG	-
24	G	-
25	R	-
51	R	-
52	G	-
53	Y	-
54	BR	-
59	L	-
60	P	-

JRMWD3126GB

# CONNECTOR INFORMATION

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

## MAIN HARNESS

Connector No.	M31
Connector Name	TILT & TELESCOPIC SWITCH
Connector Type	TK08FGY



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

Connector No.	M32
Connector Name	PADDLE SHIFTER (SHIFT-DOWN)
Connector Type	A03FW



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

Connector No.	M33
Connector Name	COMBINATION SWITCH
Connector Type	TK16FW-NH



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

Connector No.	M35
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TK08FY-EX-IV



Terminal No.	Color of Wire	Signal Name [Specification]
23	R	-
28	Y	-
29	Y	-
30	Y	-

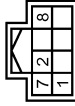
Connector No.	M36
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TK08FY-IV



Terminal No.	Color of Wire	Signal Name [Specification]
24	P	-
25	P	-
26	SB	-

26	B	-
31	L	-
32	Y	-
33	B	-
34	LG	-

Connector No.	M37
Connector Name	STEERING ANGLE SENSOR
Connector Type	TH08FV-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	CAN-H
2	P	CAN-L
7	B	GRD
8	G	IGN

Connector No.	M39
Connector Name	PADDLE SHIFTER (SHIFT-UP)
Connector Type	A04FW



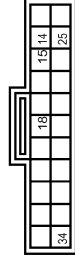
Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
3	BG	-

Connector No.	M41
Connector Name	4WAS FRONT CONTROL UNIT
Connector Type	SH02FGY



Terminal No.	Color of Wire	Signal Name [Specification]
11	R	F-MTR PWR SUPPLY
12	B	F-MTR GND

Connector No.	M42
Connector Name	4WAS FRONT CONTROL UNIT
Connector Type	TK22FW



Terminal No.	Color of Wire	Signal Name [Specification]
14	R	BUS-L
15	LG	IGN
18	B	GRD
25	BR	BUS-H
34	B	GND

JRMWD3127GB

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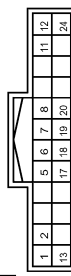
# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## MAIN HARNESS

Connector No.	M44
Connector Name	SONAR CONTROL UNIT
Connector Type	TH2FEW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	IGN
2	SB	CANCEL SW SIGNAL
5	W	CORNER SENSOR SIGNAL REAR LH
6	Y	CORNER SENSOR SIGNAL REAR RH
7	G	CENTER SENSOR SIGNAL REAR LH
8	R	CENTER SENSOR SIGNAL REAR RH
11	B	CANCEL SW INDICATOR
12	B	ACC
13	GR	R RANGE SIGNAL
17	BG	K LINE
18	V	AV COMM (R)
19	SB	AV COMM (L)
20	LG	GND
24	B	GND

Connector No.	M46
Connector Name	SUNLOAD SENSOR
Connector Type	K02FB



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

Connector No.	M48
Connector Name	TILT & TELESCOPIC SENSOR
Connector Type	TH04FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	
2	P	
3	BG	
4	Y	

Connector No.	M49
Connector Name	TILT & TELESCOPIC MOTOR
Connector Type	NS04FW-CS



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

Connector No.	M50
Connector Name	PUSH-BUTTON IGNITION SWITCH
Connector Type	TH08FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	
2	R	
3	L	
4	BR	
5	LG	
6	BG	
7	GR	
8	P	

Connector No.	M51
Connector Name	AUTOMATIC DRIVE POSITIONER CONTROL UNIT
Connector Type	TH32FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	TILT SW (UPWARD)
2	LG	MIRROR SELECT SW (RH)
3	G	MIRROR SW (UPWARD)
4	Y	MIRROR SW (LEFTWARD)
5	R	MIRROR SENSOR (RH VERTICAL)
6	GR	MIRROR SENSOR (LH VERTICAL)
7	BG	TILT SENSOR
9	BR	ADDRESS 1
10	V	TX (UART)
11	GR	TELESCOPIC SW (FRONTWARD)
12	BG	IND 1
13	P	IND 2
14	W	MIRROR MOTOR (RH VERTICAL)
15	BG	MIRROR MOTOR (RH HORIZONTAL)
16	Y	MIRROR MOTOR (LH COMMON)
17	BR	TILT SW (DOWNWARD)
18	W	MIRROR MOTOR (LH VERTICAL)
19	SB	MIRROR SELECT SW (LH)
20	L	MIRROR SW (RIGHTWARD)
21	L	MIRROR SENSOR (RH HORIZONTAL)
22	B	MIRROR SENSOR (LH HORIZONTAL)
24	R	SET SW
26	V	ADDRESS 2
28	P	RX (UART)
27	G	TELESCOPIC SW (BACKWARD)

30	SB	MIRROR MOTOR (RH COMMON)
31	G	MIRROR MOTOR (LH VERTICAL)
32	L	MIRROR MOTOR (LH HORIZONTAL)

Connector No.	M52
Connector Name	AUTOMATIC DRIVE POSITIONER CONTROL UNIT
Connector Type	NS18FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
33	W	POWER SUPPLY (SENSOR)
34	V	BAT (USE)
35	L	TILT MOTOR (UPWARD)
36	GR	TELESCOPIC MOTOR (FORWARD)
39	W	BAT (C/B)
40	B	GND (SENSOR)
41	Y	GND (SIGNAL)
42	BG	TILT MOTOR (DOWNWARD)
44	G	TELESCOPIC MOTOR (BACKWARD)
48	B	GND (POWER)

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# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## MAIN HARNESS

Connector No.	M63
Connector Name	COMBINATION METER
Connector Type	SB40FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	BATTERY POWER SUPPLY
2	LG	COMMUNICATION SIGNAL (METER-AMP.)
3	GR	COMMUNICATION SIGNAL (AMP-METER)
5	B	GROUND
6	W	ALTERNATOR SIGNAL
7	LG	AIR BAG SIGNAL
10	W	SECURITY SIGNAL
15	B	GROUND
16	BR	METER CONTROL SWITCH GROUND
18	GR	ILL GND
19	B	ILL GND
20	R	ILL
21	G	IGNITION SIGNAL
22	B	GROUND
24	BR	COMMUNICATION SIGNAL (LCP-AMP.)
25	Y	COMMUNICATION SIGNAL (AMP-LOD)
26	R	VEHICLE SPEED SIGNAL (P-PULSE)
27	P	PARKING BRAKE SWITCH SIGNAL
28	SB	BRAKE FLUID LEVEL SWITCH
29	P	SEAT BELT BRUCKLE SWITCH SIGNAL (DRIVER SIDE)
30	G	SEAT BELT BRUCKLE SWITCH SIGNAL (PASSENGER SIDE)
31	L	WASHER LEVEL SWITCH SIGNAL
33	R	ILLUMINATION CONTROL SIGNAL
36	LG	SELECT SWITCH SIGNAL
37	Y	ENTER SWITCH SIGNAL
38	G	TRIP A, B RESET SWITCH SIGNAL
39	P	ILLUMINATION CONTROL SWITCH SIGNAL (C)
40	BG	ILLUMINATION CONTROL SWITCH SIGNAL (C)

Connector No.	M64
Connector Name	METER CONTROL SWITCH
Connector Type	TH1ZFV-RH



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	LG	-
3	B	-
4	R	-
5	G	-
7	BR	-
8	GR	-
9	BG	-
10	P	-

Connector No.	M60
Connector Name	CIRCUIT BREAKER
Connector Type	M02FW-LC



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

Connector No.	M61
Connector Name	IN-VEHICLE SENSOR
Connector Type	A02FW



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

Connector No.	M62
Connector Name	CIRCUIT BREAKER
Connector Type	M02FW-LC



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

Connector No.	M63
Connector Name	CENTER SPEAKER
Connector Type	T02FBR



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

Connector No.	M66
Connector Name	UNIFIED METER AND A/C AMP.
Connector Type	TH40FW-RH



Terminal No.	Color of Wire	Signal Name [Specification]
4	G	STOP LAMP SWITCH SIGNAL
5	L	MANUAL MODE SHIFT UP SIGNAL
6	BG	PADDLE SHIFTER UP SIGNAL
7	GR	COMMUNICATION SIGNAL (AMP-METER)
8	L	VEHICLE SPEED SIGNAL (P-PULSE)
9	SB	SEAT BELT BRUCKLE SWITCH SIGNAL (DRIVER SIDE)
10	W	MANUAL MODE SIGNAL
11	G	NON-MANUAL MODE SIGNAL
14	BR	COMMUNICATION SIGNAL (LCP-AMP.)
20	BR	ION ON / OFF SIGNAL
23	Y	A/T SNOW SWITCH SIGNAL
25	V	MANUAL MODE SHIFT DOWN SIGNAL
26	G	PADDLE SHIFTER DOWN SIGNAL
27	LG	COMMUNICATION SIGNAL (METER-AMP.)
28	R	VEHICLE SPEED SIGNAL (P-PULSE)
30	V	PARKING BRAKE SWITCH SIGNAL
34	Y	COMMUNICATION SIGNAL (AMP-LOD)
38	P	BLOWER MOTOR CONTROL SIGNAL

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# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

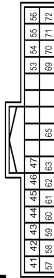
## MAIN HARNESS

Connector No.	M67
Connector Name	UNIFIED METER AND A/C AMP.
Connector Type	TH3ZFW-NH



Terminal No.	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
Color of Wire	LG	BR	BR	LG	V	G	W	SB	B	L	LG	Y	GR	GR	P	

Terminal No.	Color of Wire	Signal Name [Specification]
41	L	ACC POWER SUPPLY
42	BR	FUEL LEVEL SENSOR SIGNAL
43	BR	INTAKE SENSOR SIGNAL
44	LG	IN-VEHICLE SENSOR SIGNAL
45	V	AMBIENT SENSOR SIGNAL
46	Y	SUNLOAD SENSOR SIGNAL
47	G	EXHAUST GAS / OUTSIDE DOOR DETECTING SENSOR SIGNAL
53	W	IGNITION POWER SUPPLY
54	SB	BATTERY POWER SUPPLY
55	B	GROUND
56	L	CAN-H
57	LG	BRAKE FLUID LEVEL SWITCH SIGNAL
58	Y	FUEL LEVEL SENSOR SIGNAL
59	GR	INTAKE SENSOR GROUND
60	W	IN-VEHICLE SENSOR GROUND
61	B	AMBIENT SENSOR GROUND
62	SB	SUNLOAD SENSOR GROUND
63	L	ION CONTROL MODE OUTPUT SIGNAL
65	BG	ECV SIGNAL
69	P	A/C LAN SIGNAL
70	R	EACH DOOR MOTOR POWER SUPPLY
71	GR	GROUND
72	P	CAN-L



Connector No.	M69
Connector Name	BACK-UP LAMP RELAY
Connector Type	MS0ZFL-M2-LC



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

Connector No.	M70
Connector Name	HEATED SEAT RELAY
Connector Type	MS0ZFL-M2-LC



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

Connector No.	M71
Connector Name	DISPLAY UNIT
Connector Type	TH4ZFW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	GROUND
2	Y	INVERTER VCC
3	BG	SIGNAL VCC
4	Y	COMPOSITE IMAGE GND
5	SHIELD	SHIELD [With rear view monitor]
6	Y	SHIELD [Without rear view monitor]
8	L	RGB (G) SHIELD SIGNAL
9	SHIELD	SHIELD
8	R	HP
9	B	RGB AREA (TS) SIGNAL

Terminal No.	Color of Wire	Signal Name [Specification]
11	LG	COMM (CONT-DISP) [Without rear view monitor]
11	P	COMM (CONT-DISP) [With rear view monitor]
13	BR	INVERTER GND
14	LG	SIGNAL GND
15	BR	COMPOSITE IMAGE SIGNAL
16	BR	COMP SYNC
17	G	RGB (RED) SIGNAL
18	P	RGB (BLUE) SIGNAL
19	W	RGB SYNC
20	G	VP
21	SHIELD	SHIELD
22	L	COMM (DISP-CONT)
23	B	SHIELD [Without rear view monitor]
23	SHIELD	SHIELD [With rear view monitor]

Connector No.	M72
Connector Name	MULTIFUNCTION SWITCH
Connector Type	TH16FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	GND
3	P	ACC
4	BG	ILL
5	B	ILL CONT
6	SB	AV COMM (H)
8	LG	AV COMM (L)
9	BR	SW GND
14	V	DISK EJECT SIGNAL
16	G	HAZARD ON

Connector No.	M73
Connector Name	FRONT PASSENGER AIR BAG OFF INDICATOR
Connector Type	TH8AW-NH



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

Connector No.	M74
Connector Name	CLOCK
Connector Type	TH84FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	ILLUMINATION (-)
2	L	ILLUMINATION (+)
3	B	GND
4	Y	BAT



# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## MAIN HARNESS

Connector No.	M75
Connector Name	DISPLAY UNIT
Connector Type	TH24FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
6	SHIELD	SHIELD
7	SHIELD	SHIELD
8	W	CAMERA IMAGE SIGNAL
9	L	COMM (DISP-CONT)
10	P	COMM (CONT-DISP)
11	Y	BATTERY
12	B	GND
18	L	COMPOSITE IMAGE SIGNAL
19	P	COMPOSITE IMAGE GND
22	SHIELD	SHIELD
23	LG	ACC

Connector No.	M77
Connector Name	INTAKE SENSOR
Connector Type	TH04FEW



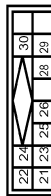
Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	
2	GR	

Connector No.	M81
Connector Name	AV CONTROL UNIT
Connector Type	TH18FW-CSZ



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

Connector No.	M82
Connector Name	AV CONTROL UNIT
Connector Type	A12FW



Terminal No.	Color of Wire	Signal Name [Specification]
21	W	SATELLITE SOUND SIGNAL LH (+)
22	B	SATELLITE SOUND SIGNAL LH (-)
23	R	SATELLITE SOUND SIGNAL RH (+)
24	G	SATELLITE SOUND SIGNAL RH (-)
25	SHIELD	SHIELD
26	SHIELD	SHIELD

28	P	REQUEST (SAT-CONT)
29	G	COMM (SAT-CONT)
30	L	COMM (CONT-SAT)



Connector No.	M83
Connector Name	AV CONTROL UNIT
Connector Type	TH24FW-NH



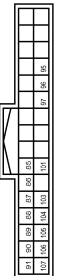
Terminal No.	Color of Wire	Signal Name [Specification]
36	BR	COMPOSITE IMAGE SIGNAL
37	Y	COMPOSITE IMAGE GND
38	P	RGB (EBLUE) SIGNAL
39	L	RGB (GGREEN) SIGNAL
40	G	RGB (RRRED) SIGNAL
41	W	RGB SYNC
42	SHIELD	SHIELD
43	B	RGB AREA (YS) SIGNAL
44	L	COMM (DISP-CONT)
45	R	HP
46	LG	SIGNAL GND
47	BG	SIGNAL VCC
48	BR	COMP SYNC
49	Y	SHIELD
50	SHIELD	SHIELD
55	B	SHIELD
56	LG	COMM (CONT-DISP)
57	G	VIP
58	BR	INVERTER GND
59	Y	INVERTER VCC

Connector No.	M84
Connector Name	AV CONTROL UNIT
Connector Type	TH18FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
66	G	AUX IMAGE SIGNAL
73	SHIELD	SHIELD
74	R	AUX IMAGE GND

Connector No.	M85
Connector Name	AV CONTROL UNIT
Connector Type	TH32FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
85	B	GND
86	L	CAN-H
87	P	CAN-L
88	SB	AV COMM (H)
89	LG	AV COMM (L)
90	SB	AV COMM (H)
91	LG	AV COMM (L)
95	R	AUX SOUND SIGNAL RH (+)
96	W	AUX SOUND SIGNAL LH (+)
97	R	AUX SOUND SIGNAL GND
101	BR	SW GND
102	C	EJECT SIGNAL
104	C	IGNITION
109	BG	REVERSE
109	SB	PARKING BRAKE
107	R	VEHICLE SPEED (3-PULSE)

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
# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]



**MAIN HARNESS**

Connector No.	M81
Connector Name	WIRE TO WIRE
Connector Type	A03MW-P



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

Connector No.	M82
Connector Name	WIRE TO WIRE
Connector Type	C00EFCY

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


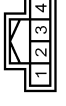
Connector No.	M84
Connector Name	OPTICAL SENSOR
Connector Type	T003FW

Terminal No.	Color of Wire	Signal Name [Specification]
1	P	GND
2	L	SIGNAL
4	V	BATTERY



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	POWER
2	BG	OUTPUT
3	B	GND

Connector No.	M88
Connector Name	IONIZER
Connector Type	T104FW-NH

Terminal No.	Color of Wire	Signal Name [Specification]
1	V	IGN
2	L	IGN MODE
3	B	GND
4	BR	IGN ON / OFF



Connector No.	M101
Connector Name	TIRE PRESSURE RECEIVER
Connector Type	T104FW

Terminal No.	Color of Wire	Signal Name [Specification]
1	BG	GND
2	Y	SIGNAL OUTPUT
4	P	BATTERY


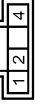
Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	POWER
2	BG	OUTPUT
3	B	GND

Connector No.	M102
Connector Name	GLOVE BOX LAMP
Connector Type	A02FW



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

Connector No.	M104
Connector Name	REMOTE KEYLESS ENTRY RECEIVER
Connector Type	JAB04FB

Terminal No.	Color of Wire	Signal Name [Specification]
1	BG	GND
2	Y	SIGNAL OUTPUT
4	P	BATTERY

Connector No.	M105
Connector Name	TRUNK LID OPENER CANCEL SWITCH
Connector Type	S02FW


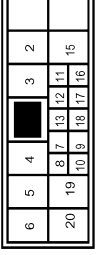
 

Terminal No.	Color of Wire	Signal Name [Specification]
1	BG	-

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

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

Connector No.	M106
Connector Name	WIRE TO WIRE
Connector Type	NH10MW-CS10

Terminal No.	Color of Wire	Signal Name [Specification]		
6	5	4	3	2
20	19	18	17	16
	15	14	13	12
	11	10	9	8
	7	6	5	4

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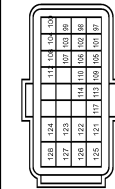
# CONNECTOR INFORMATION

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

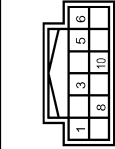
## MAIN HARNESS

Connector No.	M107
Connector Name	ECM
Connector Type	FR24FCV-R28-R-LH-Z



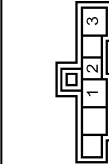
Terminal No.	Color of Wire	Signal Name [Specification]
97	R	APP SENSOR 1
98	P	APP SENSOR 2
99	L	SENSOR POWER SUPPLY
100	W	SENSOR GROUND
101	SB	ASC/D/CC STEERING SWITCH
102	LG	EVAP CONTROL SYSTEM PRESS SENSOR
103	GR	SENSOR POWER SUPPLY
104	V	SENSOR GROUND
105	L	REFRIGERANT PRESS SENSOR
106	W	FUEL TANK TEMP SENSOR
107	GR	SENSOR POWER SUPPLY
108	Y	SENSOR GROUND
109	G	PNP SIGNAL
110	R	ENGINE SPEED OUTPUT SIGNAL
112	V	SENSOR GROUND [AVID models]
113	W	SENSOR GROUND [AVID models]
114	P	CAN COMMUNICATION LINE
117	V	DATA LINK CONNECTOR
121	LG	EVAP CANISTER VENT CONTROL VALVE
122	P	STOP LAMP SWITCH
123	B	ECM GROUND
124	B	ECM GROUND
125	R	POWER SUPPLY FOR ECM
126	BR	ASC/D/CC BRAKE SWITCH
127	B	ECM GROUND
128	B	ECM GROUND

Connector No.	M108
Connector Name	POWER STEERING CONTROL UNIT
Connector Type	TH1ZFV-RH



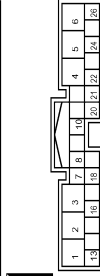
Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	SOL
3	G	VIGN
5	B	SOL GND
6	B	GND
8	SB	VSP
10	R	TACHO

Connector No.	M109
Connector Name	BLOWER MOTOR
Connector Type	NS303FW-M3



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

Connector No.	M110
Connector Name	PRE-CRASH SEAT BELT CONTROL UNIT
Connector Type	TH20FW-TB6



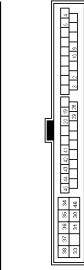
Terminal No.	Color of Wire	Signal Name [Specification]
1	P	MOTOR (RH) (RELEASE)
2	W	+B
3	L	MOTOR (RH) (FASTEN)
4	BG	MOTOR (LH) (FASTEN)
5	W	GND (DRIVE)
6	Y	MOTOR (LH) (RELEASE)
7	G	INDICATOR
8	LG	BUCKLE SW RH
10	SB	BUCKLE SW LH
13	W	IGN
16	W	SENS OUTPUT 1
18	R	SENS POWER
20	G	SENS OUTPUT 2
21	B	SENS GND
22	P	CAN-L
24	L	CAN-H
26	B	GND (CONT)

Connector No.	M113
Connector Name	USB CONNECTOR
Connector Type	HA04FG



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

Connector No.	M116
Connector Name	WIRE TO WIRE
Connector Type	TR3BMW-NS10



Terminal No.	Color of Wire	Signal Name [Specification]
2	W	
3	BG	
4	P	
5	B	
9	R	
10	R	
19	BG	
20	Y	
28	B	
29	LG	
30	LG	
31	W	
33	B	
34	B	
35	L	
36	P	
37	R	
38	SB	
41	BG	
42	G	
43	P	
44	L	
45	Y	
46	SB	

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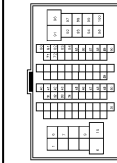
# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## MAIN HARNESS

Connector No.	M117
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS1E-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
5	P	-
6	G	-
7	SB	-
9	LG	-
10	L	-
30	B	-
31	SB	-
32	LG	-
33	SB	-
34	LG	-
40	Y	-
41	G	-
42	LG	-
43	R	-
45	G	-
46	SHIELD	-
47	P	-
48	SHIELD	-
50	V	-
59	R	-
71	L	-
72	L	-
80	W	-
81	SHIELD	-
82	P	-
83	L	-
84	G	-
85	SHIELD	-
86	W	-
87	B	-
88	R	-
89	G	-
90	Y	-
91	Y	-
94	Y	-
95	G	-

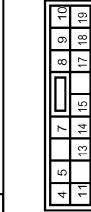
97	R	-
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Connector No.	M118
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	M03FB-LC



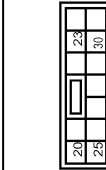
Terminal No.	Color of Wire	Signal Name [Specification]
1	W	BAT (F/L)
2	Y	POWER WINDOW POWER SUPPLY (BAT)
3	BG	POWER WINDOW POWER SUPPLY (RAP)

Connector No.	M119
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	NS16FW-CS



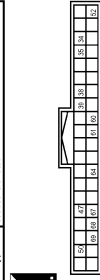
Terminal No.	Color of Wire	Signal Name [Specification]
4	LG	INTERIOR ROOM LAMP POWER SUPPLY
5	P	PASSENGER DOOR UNLOCK OUTPUT
7	SB	STEP LAMP CONT
8	V	ALL DOOR FUEL LID LOCK OUTPUT
9	G	DRIVER DOOR FUEL LID UNLOCK OUTPUT
11	R	BAT (E/USE)
13	B	GRD
14	W	PUSH-BUTTON IGNITION SW ILL GRD
15	BG	ACC ILLD
17	W	TURN SIGNAL (RN FRONT)
18	BG	TURN SIGNAL (LH FRONT)
19	V	INT ROOM LAMP CONT

Connector No.	M120
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	NS12FW-CS



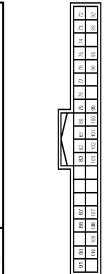
Terminal No.	Color of Wire	Signal Name [Specification]
20	V	TURN SIGNAL RH (REAR)
23	LG	TRUNK LED OPEN OUTPUT
25	Y	TURN SIGNAL LH (REAR)
30	P	TRUNK ROOM LAMP CONT

Connector No.	M121
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FGY-NH



Terminal No.	Color of Wire	Signal Name [Specification]
34	SB	TRUNK ROOM ANT-
35	V	TRUNK ROOM ANT+
38	B	REAR BUMPER ANT-
39	W	REAR BUMPER ANT+
47	Y	IGN RELAY (PDM L/R) CONT
50	BG	TRUNK ROOM LAMP SW
52	R	STARTER RELAY CONT
60	BR	PUSH SW
61	SB	TRUNK LID OPENER REQUEST SW
64	G	I-KEY WARN BUZZER (ENG ROOM)
67	GR	TRUNK LID OPENER SW

Connector No.	M122
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FB-NH



Terminal No.	Color of Wire	Signal Name [Specification]
72	R	ROOM ANT 2-
73	G	ROOM ANT 2+
74	SB	PASSENGER DOOR ANT-
75	BR	PASSENGER DOOR ANT+
76	V	DRIVER DOOR ANT-
77	LG	DRIVER DOOR ANT+
78	Y	ROOM ANT 1-
79	BR	ROOM ANT 1+
80	GR	NATS ANT AMP
81	W	NATS ANT AMP
82	SB	IGN RELAY (F/B) CONT
83	Y	KEYLESS ENTRY RECEIVER COMM
87	Y	COMBI SW INPUT 5
88	BG	CAN-L
90	P	CAN-H
91	L	CAN-L
92	LG	KEY SLOT ILL
93	GR	ON IND
95	BG	ACC RELAY CONT
96	GR	A/T SHIFT SELECTOR POWER SUPPLY
99	BR	ASCD CLUTCH SW (Wh M/T)
99	R	SHIFT P (Wh A/T)
100	Y	PASSENGER DOOR REQUEST SW
101	P	DRIVER DOOR REQUEST SW
102	BG	BLOWER FAN MOTOR RELAY CONT
103	P	KEYLESS ENTRY RECEIVER POWER SUPPLY
107	LG	COMBI SW INPUT 1
108	R	COMBI SW INPUT 4
109	W	COMBI SW INPUT 2
110	G	HAZARD SW

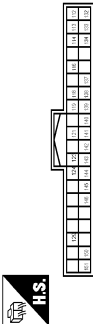
# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

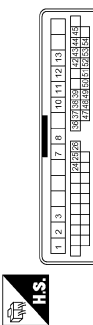
## MAIN HARNESS

Connector No.	M123
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FG-RH



Terminal No.	Color of Wire	Signal Name [Specification]
112	R	RAIN SENSOR SERIAL LINK
113	BG	OPTICAL SENSOR
114	R	CLUTCH INTERLOCK SW
116	SB	STOP LAMP SW 1
118	BR	STOP LAMP SW 2
119	SB	DR DOOR UNLOCK SENSOR
121	SB	KEY SWITCH
123	V	IGN F/B
124	R	PASSENGER DOOR SW
129	BG	TRUNK CANCEL SW
132	V	POWER WINDOW SW COMM
133	L	PUSH-BUTTON IGNITION SW ILL POWER
134	LG	LOCK IND
137	BG	RECEIVER / SENSOR GND
138	V	RECEIVER / SENSOR POWER SUPPLY
139	L	TIRE PRESSURE RECEIVER COMM
140	B	SHIFT N/P
141	W	SECURITY INDICATOR LAMP
142	BR	COMBI SW OUTPUT 5
143	P	COMBI SW OUTPUT 1
144	G	COMBI SW OUTPUT 2
145	L	COMBI SW OUTPUT 3
146	SB	COMBI SW OUTPUT 4
150	GR	DRIVER DOOR SW
151	G	REAR WINDOW DEFROSTER RELAY CONT

Connector No.	M124
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-CS15



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	
2	GR	
3	B	
7	V	
8	P	
10	BR	
11	R	
12	G	
13	R	
24	R	
25	G	
26	SHIELD	
36	G	
37	R	
38	GR	
39	L	
42	BG	
43	BG	
44	W	
45	SB	
47	LG	
48	P	
49	Y	
50	BR	
51	SB	
52	L	
53	L	
54	Y	

Connector No.	M131
Connector Name	INSIDE KEY ANTENNA (INSTRUMENT CENTER)
Connector Type	PROZFGY



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

Connector No.	M132
Connector Name	CIGARETTE LIGHTER SOCKET
Connector Type	NS303FW-CS



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

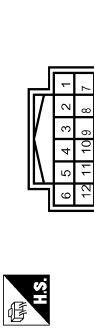
Connector No.	M133
Connector Name	WIRE TO WIRE
Connector Type	M02FB-LC



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

2	B
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Connector No.	M138
Connector Name	WIRE TO WIRE
Connector Type	TH132FW-RH



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

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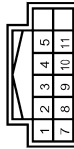
# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## MAIN HARNESS

Connector No.	M137
Connector Name	A/T SHIFT SELECTOR
Connector Type	TH1ZFV-NH



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

Connector No.	M139
Connector Name	SHOW MODE SWITCH
Connector Type	TK08FW



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

Connector No.	M141
Connector Name	HEATED SEAT SWITCH (DRIVER SIDE)
Connector Type	TK10FW



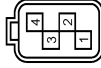
Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	GR	-
3	R	-
4	B	-
5	G	-
6	B	-

Connector No.	M142
Connector Name	HEATED SEAT SWITCH (PASSENGER SIDE)
Connector Type	TK08FBR



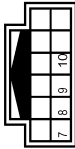
Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
2	SB	-
3	V	-
4	B	-
5	BG	-
6	B	-

Connector No.	M143
Connector Name	YAW RATE / SIDE G SENSOR
Connector Type	FAZ04FE-S



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

Connector No.	M144
Connector Name	WIRE TO WIRE
Connector Type	TH12MM-NH



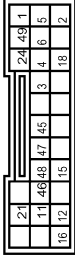
Terminal No.	Color of Wire	Signal Name [Specification]
7	SHIELD	-
8	R	-
9	W	-
10	B	-

Connector No.	M146
Connector Name	INSIDE KEY ANTENNA (CONSOLE)
Connector Type	FR02FGY



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

Connector No.	M147
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	TK28FY-EX-SC



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	IGN
2	B	GND
3	Y	DR 1 (+)
4	Y	DR 1 (-) DR 2 (-)
5	Y	AS 1 (+)
6	Y	AS 1 (-)
11	SB	ECZS (+)
12	V	ECZS (-)
15	LG	APR BAG W/L
16	SHIELD	GND
18	R	GND
21	L	CAN-H
24	G	SEAT BELT
45	Y	DR 2 (+)
46	P	CAN-L
47	Y	AS 2 (+)
48	Y	AS 2 (-)
48	L	ODS INPUT

# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## MAIN HARNESS

Connector No.	M148
Connector Name	CONSOLE POWER SOCKET
Connector Type	PO2FB-Z



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

Connector No.	M149
Connector Name	FRONT POWER SOCKET
Connector Type	PO2FB-Z



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

Connector No.	M151
Connector Name	WIPE TO WIRE
Connector Type	M02MB-P-LC



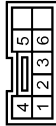
Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	B	-

Connector No.	M152
Connector Name	POWER SOCKET
Connector Type	PO2FB-Z



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

Connector No.	M153
Connector Name	SONAR CANCEL SWITCH
Connector Type	TK08FW



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

Connector No.	M154
Connector Name	AUXILIARY INPUT JACKS
Connector Type	A08FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	AUX SOUND SIGNAL RH (+)
2	B	AUX SOUND SIGNAL GND
3	W	AUX SOUND SIGNAL LH (+)
7	G	AUX IMAGE SIGNAL
8	R	AUX IMAGE GND

Connector No.	M156
Connector Name	FRONT PASSENGER AIR BAG MODULE
Connector Type	JCA02FB



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

Connector No.	M157
Connector Name	FRONT PASSENGER AIR BAG MODULE
Connector Type	JCA02FCR



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

Connector No.	M174
Connector Name	WIPE TO WIRE
Connector Type	TH12MW-NH



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

Connector No.	M175
Connector Name	HEATED SEAT SWITCH (DRIVER SIDE)
Connector Type	TK10FW



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

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# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## MAIN HARNESS

Connector No.	M176
Connector Name	HEATED SEAT SWITCH (PASSENGER SIDE)
Connector Type	TH08FBR



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

Connector No.	M191
Connector Name	WIRE TO WIRE
Connector Type	CP06MGY-S



Terminal No.	Color of Wire	Signal Name [Specification]
2	W	-
3	L	-
4	G	-
5	R	-
7	SHIELD	-

Connector No.	M192
Connector Name	USB CONNECTOR
Connector Type	HA0MFG



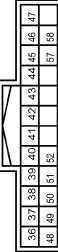
Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	L	-
3	G	-
4	R	-
5	SHIELD	-

Connector No.	M201
Connector Name	AV CONTROL UNIT
Connector Type	TH18FW-CSZ



Terminal No.	Color of Wire	Signal Name [Specification]
2	L	SOUND SIGNAL FRONT LH (+)
3	W	SOUND SIGNAL FRONT LH (-)
4	LG	SOUND SIGNAL REAR LH (+)
5	SB	SOUND SIGNAL REAR LH (-)
6	P	STEG SW A
7	V	ACC
9	L	ILLUMINATION
11	BR	SOUND SIGNAL FRONT RH (+)
12	R	SOUND SIGNAL FRONT RH (-)
13	L	SOUND SIGNAL REAR RH (+)
14	P	SOUND SIGNAL REAR RH (-)
15	B	STEG SW GND
16	L	STEG SW E
18	C	GND
19	Y	BATTERY
20	B	GND

Connector No.	M202
Connector Name	AV CONTROL UNIT
Connector Type	TH24FW-RH



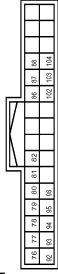
Terminal No.	Color of Wire	Signal Name [Specification]
36	BG	SIGNAL VCC
37	LG	SIGNAL GND
38	R	HP
39	L	COMM (DISP-CONT)
40	B	RGB AREA (YS) SIGNAL
41	SHIELD	SHIELD
42	W	RGB SYNC
43	G	RGB (RRED) SIGNAL
44	L	RGB (GREEN) SIGNAL
45	P	RGB (BLUE) SIGNAL
46	Y	COMPOSITE IMAGE GND
47	BR	COMPOSITE IMAGE SIGNAL
48	Y	INVERTER VCC
49	BR	INVERTER GND
50	G	VP
51	P	COMM (CONT-DISP)
52	SHIELD	SHIELD
57	SHIELD	SHIELD
58	SHIELD	SHIELD

Connector No.	M203
Connector Name	AV CONTROL UNIT
Connector Type	TH18FW-RH



Terminal No.	Color of Wire	Signal Name [Specification]
61	W	CAMERA IMAGE SIGNAL
62	SHIELD	SHIELD
72	B	CAMERA GND

Connector No.	M204
Connector Name	AV CONTROL UNIT
Connector Type	TH32FW-RH



Terminal No.	Color of Wire	Signal Name [Specification]
76	LG	AV COMM (L)
77	SB	AV COMM (R)
78	LG	AV COMM (L)
79	SB	AV COMM (R)
80	P	CAN-L
81	L	CAN-H
82	BR	SW GND
86	SHIELD	SHIELD
87	L	TEL VOICE SIGNAL (+)
88	P	TEL VOICE SIGNAL (-)
92	R	VEHICLE SPEED (8-PULSE)
93	SB	PARKING BRAKE
94	BG	REVERSE
95	G	IGNITION
96	V	EJECT SIGNAL

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# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## MAIN HARNESS

Connector No. M205	AV CONTROL UNIT	TH12FW-RH	
Terminal No.	Color of Wire	Signal Name [Specification]	
108	BR	SOUND SIGNAL REAR RH (+)	
109	R	SOUND SIGNAL FRONT RH (+)	
110	GR	AMP. ON SIGNAL	
111	B	SHIELD	
112	V	SOUND SIGNAL REAR LH (+)	
113	O	SOUND SIGNAL FRONT LH (+)	
114	Y	SOUND SIGNAL REAR RH (-)	
115	G	SOUND SIGNAL FRONT RH (-)	
118	LG	SOUND SIGNAL REAR LH (-)	
119	W	SOUND SIGNAL FRONT LH (-)	
Connector No. M206	AV CONTROL UNIT	A12FW	
Terminal No.	Color of Wire	Signal Name [Specification]	
120	B	SATELLITE SOUND SIGNAL LH (+)	
121	G	SATELLITE SOUND SIGNAL RH (+)	
122	L	COMM (CONT-SAT)	
124	W	SATELLITE SOUND SIGNAL LH (-)	
125	R	SATELLITE SOUND SIGNAL RH (-)	
126	SHIELD	SHIELD	
128	SB	MODE CHANGE SIGNAL	
129	P	REQUEST (SAT-CONT)	
130	G	COMM (SAT-CONT)	
Connector No. M207	AV CONTROL UNIT	HA04FL	
Terminal No.	Color of Wire	Signal Name [Specification]	
132	G	USB GND	
133	R	USB D+ SIGNAL	
134	W	V BUS SIGNAL	
135	L	USB D- SIGNAL	
136	SHIELD	SHIELD	
Connector No. M208	AV CONTROL UNIT	TH18FW-CS2	
Terminal No.	Color of Wire	Signal Name [Specification]	
1	GR	AMP. ON SIGNAL	
2	O	SOUND SIGNAL FRONT LH (+)	
3	W	SOUND SIGNAL FRONT LH (-)	
4	V	SOUND SIGNAL REAR LH (+)	
5	LG	SOUND SIGNAL REAR LH (-)	
6	P	STRG SW A	
7	V	ACC	
10	B	SHIELD	
11	R	SOUND SIGNAL FRONT RH (+)	
12	C	SOUND SIGNAL FRONT RH (-)	
13	BR	SOUND SIGNAL REAR RH (+)	
14	P	SOUND SIGNAL REAR RH (-)	
16	L	STRG SW GND	
19	Y	BATTERY	
20	B	GND	
Connector No. M209	AV CONTROL UNIT	TH40FW-RH	
Terminal No.	Color of Wire	Signal Name [Specification]	
22	R	CAMERA POWER SUPPLY	
26	G	-	
29	V	DISK EJECT SIGNAL	
30	SB	MODE CHANGE SIGNAL	
42	B	CAMERA GND	
46	R	-	
47	SHIELD	SHIELD	
49	BR	SW GND	
Connector No. M210	AV CONTROL UNIT	TH42FW-RH	
Terminal No.	Color of Wire	Signal Name [Specification]	
55	SB	PARKING BRAKE	
65	SB	COMPOSITE IMAGE GND	
67	P	COMPOSITE IMAGE SIGNAL	
68	L	MICROPHONE VCC	
71	SHIELD	MICROPHONE GND	
72	G	COMM (CONT-DISP)	
74	P	CONN.	
76	LG	AV COMM (L)	
79	L	ILLUMINATION	
80	G	IGNITION	
81	BG	REVERSE	
82	R	VEHICLE SPEED (3-PULSE)	
83	SHIELD	SHIELD	
Connector No. M211	SHIFT POSITION SWITCH	TH12FW	
Terminal No.	Color of Wire	Signal Name [Specification]	
2	L	-	
3	BR	-	
4	G	-	
5	V	-	
6	W	-	
7	O	-	
8	Y	-	
9	R	-	
10	R	-	
11	B	-	
Connector No. M212	AV CONTROL UNIT	HA04FL	
Terminal No.	Color of Wire	Signal Name [Specification]	
129	G	USE GND	
130	R	USE D+ SIGNAL	
131	W	V BUS SIGNAL	
132	L	USE D- SIGNAL	
133	SHIELD	SHIELD	

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# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

**MAIN HARNESS**


Connector No.	M222		
Connector Name	SHIFT LOCK UNIT		
Connector Type	M222		



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

**HS**


Connector No.	M251		
Connector Name	WIRE TO WIRE		
Connector Type	A03FW		



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

**HS**


Connector No.	M252		
Connector Name	AIR MIX DOOR MOTOR LH		
Connector Type	A03FW		



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

**HS**


Connector No.	M253		
Connector Name	MODE DOOR MOTOR		
Connector Type	A03FW		



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

**HS**


Connector No.	M254		
Connector Name	INTAKE DOOR MOTOR		
Connector Type	A03FW		



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

**HS**


Connector No.	M255		
Connector Name	AIR MIX DOOR MOTOR RH		
Connector Type	A03FW		



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

**HS**


Connector No.	M300		
Connector Name	DRIVER AIR BAG MODULE		
Connector Type	ACAB2E2V		



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

**HS**


Connector No.	M301		
Connector Name	DRIVER AIR BAG MODULE		
Connector Type	ACAB2E2V		



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

**HS**


Connector No.	M302		
Connector Name	DRIVER AIR BAG MODULE		
Connector Type	ACAB2E2V		



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

**HS**


Connector No.	M303		
Connector Name	COMBINATION SWITCH (SPRIVAL LABEL)		
Connector Type	TR08FDY		



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

**HS**

Connector No.	M351		
Connector Name	4WAS FRONT CONTROL UNIT		
Connector Type	TE08FW-TM4		






















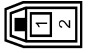
Terminal No.	Color of Wire	Signal Name [Specification]
1	G	F-MTR V
2	W	F-ANG W SIG
3	B	LOCK SOL GND
4	Y	F-ANG L SIG
5	BR	F-MTR U
6	L	F-MTR W
7	GR	F-ANG GND
8	GR	F-ANG V SIG
10	R	LOCK SOL VCC

JRMWD3140GB

# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

























MAIN HARNESS		Terminal No.		Color of Wire		Signal Name [Specification]	
Connector No.	M270	159	160	SHIELD	SHIELD		
Connector Name	AV CONTROL UNIT						
Connector Type	GT13SH-2, IS-HU						
							
							
Connector No.	M273						
Connector Name	AV CONTROL UNIT						
Connector Type	GT5-IS-HU						
							
							
Terminal No.	153	154					
Color of Wire	SHIELD	SHIELD					
Signal Name [Specification]							
Connector No.	M274						
Connector Name	WIRE TO WIRE						
Connector Type	GT16C-1PP-HU						
							
							
Terminal No.	150	151	152				
Color of Wire							
Signal Name [Specification]							
Connector No.	M272						
Connector Name	AV CONTROL UNIT						
Connector Type	FAKPA JACK						
							
							
Terminal No.	1	2					
Color of Wire		SHIELD					
Signal Name [Specification]							
Connector No.	M275						
Connector Name	WIRE TO WIRE						
Connector Type	GT13SC-2, IS-HU						
							
							
Terminal No.	1	2					
Color of Wire		SHIELD					
Signal Name [Specification]							
Connector No.	M276						
Connector Name	WIRE TO WIRE						
Connector Type	GT13SCM-2, 1PP-HU						
							
							
Terminal No.	1	2	3				
Color of Wire							
Signal Name [Specification]							
Connector No.	M277						
Connector Name	WIRE TO WIRE						
Connector Type	GT16C-IS-HU						
							
							
Terminal No.	1	2					
Color of Wire							
Signal Name [Specification]							
Connector No.	M279						
Connector Name	WINDOW ANTENNA (SUB)						
Connector Type	PH1FB-A						
							
							
Terminal No.	1	2					
Color of Wire							
Signal Name [Specification]							
Connector No.	M278						
Connector Name	WIRE TO WIRE						
Connector Type	GT13SCM-1, 1PP-HU						
							
							
Terminal No.	1	2					
Color of Wire							
Signal Name [Specification]							
Connector No.	M280						
Connector Name	WIRE TO WIRE						
Connector Type	GT16C-1PP-HU						
							
							
Terminal No.	1	2					
Color of Wire		SHIELD					
Signal Name [Specification]							

A  
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# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

MAIN HARNESS			
Connector No.	M381	Connector No.	M388
Connector Name	WINDOW ANTENNA (MAIN)	Connector Name	ANTENNA AMP.
Connector Type	PRO1FE-A	Connector Type	GT13SC-1 IS-HU
			
Terminal No.	1	Terminal No.	1
Color of Wire	-	Color of Wire	-
Signal Name [Specification]	-	Signal Name [Specification]	-
			
Connector No.	M382	Connector No.	M386
Connector Name	WIRE TO WIRE	Connector Name	DISPLAY UNIT
Connector Type	GT16C-IS-HU	Connector Type	GT17HN2-4DS-HU
			
Terminal No.	1	Terminal No.	27
Color of Wire	-	Color of Wire	-
Signal Name [Specification]	-	Signal Name [Specification]	-
			
Connector No.	M383	Connector No.	M387
Connector Name	SATELLITE RADIO ANTENNA	Connector Name	WIRE TO WIRE
Connector Type	GT16C-1PF-HU	Connector Type	GT13SC-1 IS-HU
			
Terminal No.	2	Terminal No.	2
Color of Wire	SHIELD	Color of Wire	-
Signal Name [Specification]	-	Signal Name [Specification]	-
			
Connector No.	M384	Terminal No.	28
Connector Name	AV CONTROL UNIT	Color of Wire	-
Connector Type	GT17HN1-4DS-HU	Signal Name [Specification]	-
			
Terminal No.	157	Terminal No.	2
Color of Wire	-	Color of Wire	-
Signal Name [Specification]	-	Signal Name [Specification]	-
			
Connector No.	M385	Terminal No.	158
Connector Name	AV CONTROL UNIT	Color of Wire	-
Connector Type	GT17HN1-4DS-HU	Signal Name [Specification]	-
			
Terminal No.	157	Terminal No.	2
Color of Wire	-	Color of Wire	-
Signal Name [Specification]	-	Signal Name [Specification]	-
			
Connector No.	M386	Terminal No.	2
Connector Name	WIRE TO WIRE	Color of Wire	-
Connector Type	GT16C-IS-HU	Signal Name [Specification]	-
			
Terminal No.	1	Terminal No.	2
Color of Wire	-	Color of Wire	-
Signal Name [Specification]	-	Color of Wire	-
			

JRMWD3142GB

# CONNECTOR INFORMATION

[POWER SUPPLY & GROUND CIRCUIT]

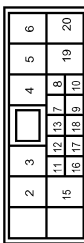
< DTC/CIRCUIT DIAGNOSIS >

## R Room Lamp Harness

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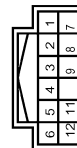
### ROOM LAMP HARNESS

Connector No.	RT
Color of Wire	WIRE TO WIRE
Connector Name	INH10FW-CS10
Connector Type	



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

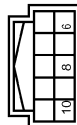
Connector No.	R2
Color of Wire	WIRE TO WIRE
Connector Name	TH12FW-NH
Connector Type	



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

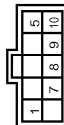
5	W	-
6	B	-
7	P	-
8	GR	-
9	V	-
11	Y	-
12	R	-

Connector No.	R3
Color of Wire	AUTO ANTI-DAZZLING INSIDE MIRROR
Connector Name	TH10FB-NH
Connector Type	



Terminal No.	Color of Wire	Signal Name [Specification]
6	BR	IGN
8	B	GND
10	G	BAT

Connector No.	R4
Color of Wire	SUNROOF MOTOR ASSEMBLY
Connector Name	YEA10FGY
Connector Type	



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	SW-BT L
5	P	SW-BT -
7	BR	IG
8	GR	SPEED SENSOR (2P)
9	Y	TRIPET CRGN
10	G	GND

Connector No.	R8
Color of Wire	AUTO ANTI-DAZZLING INSIDE MIRROR
Connector Name	JAA07FB
Connector Type	



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

Connector No.	R9
Color of Wire	RAIN SENSOR
Connector Name	JAA03FB
Connector Type	



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

Connector No.	R11
Color of Wire	WIRE TO WIRE
Connector Name	TH12MM-NH
Connector Type	



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

2	BR	-
3	SHIELD	-
4	W	-
5	R	-
6	B	-
7	O	-
8	G	-
9	GR	-
11	L	-
12	P	-

Connector No.	R12
Color of Wire	VANITY MIRROR LAMP LH
Connector Name	MCA02FW
Connector Type	



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

Connector No.	R13
Color of Wire	VANITY MIRROR LAMP RH
Connector Name	MCA02FW
Connector Type	



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

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PG

JRMWD3143GB

# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## ROOM LAMP HARNESS

Connector No.	R15
Connector Name	MAP LAMP
Connector Type	TK08FGY



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

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

Connector No.	R16
Connector Name	SUNROOF SWITCH
Connector Type	TK03FEW



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

Connector No.	R17
Connector Name	MICROPHONE
Connector Type	TK04FEW



JRMWD3144GB

# HARNESS CONNECTOR

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## HARNESS CONNECTOR

### Description

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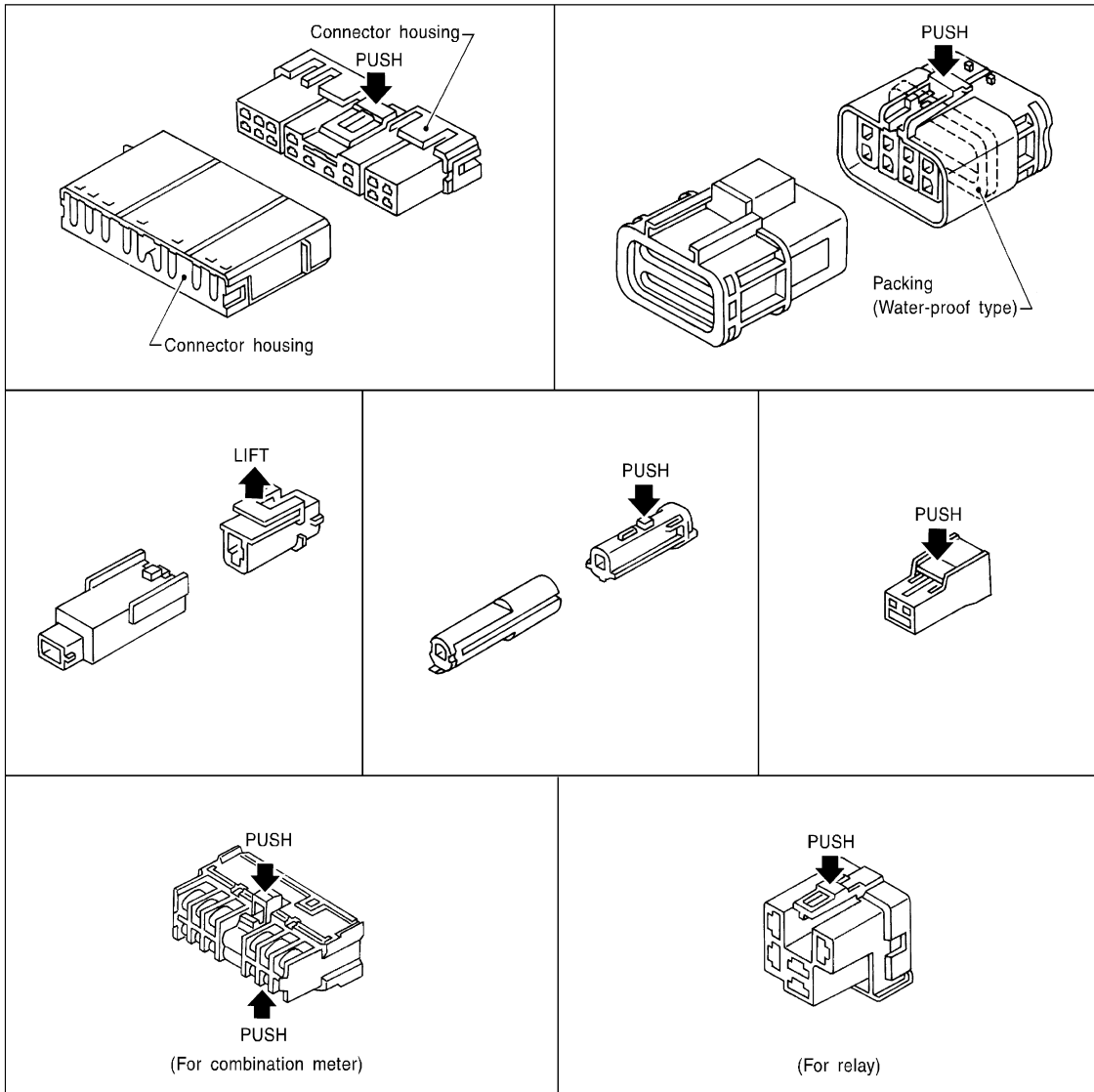
#### HARNESS CONNECTOR (TAB-LOCKING TYPE)

- 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.**

[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.

A  
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# HARNESS CONNECTOR

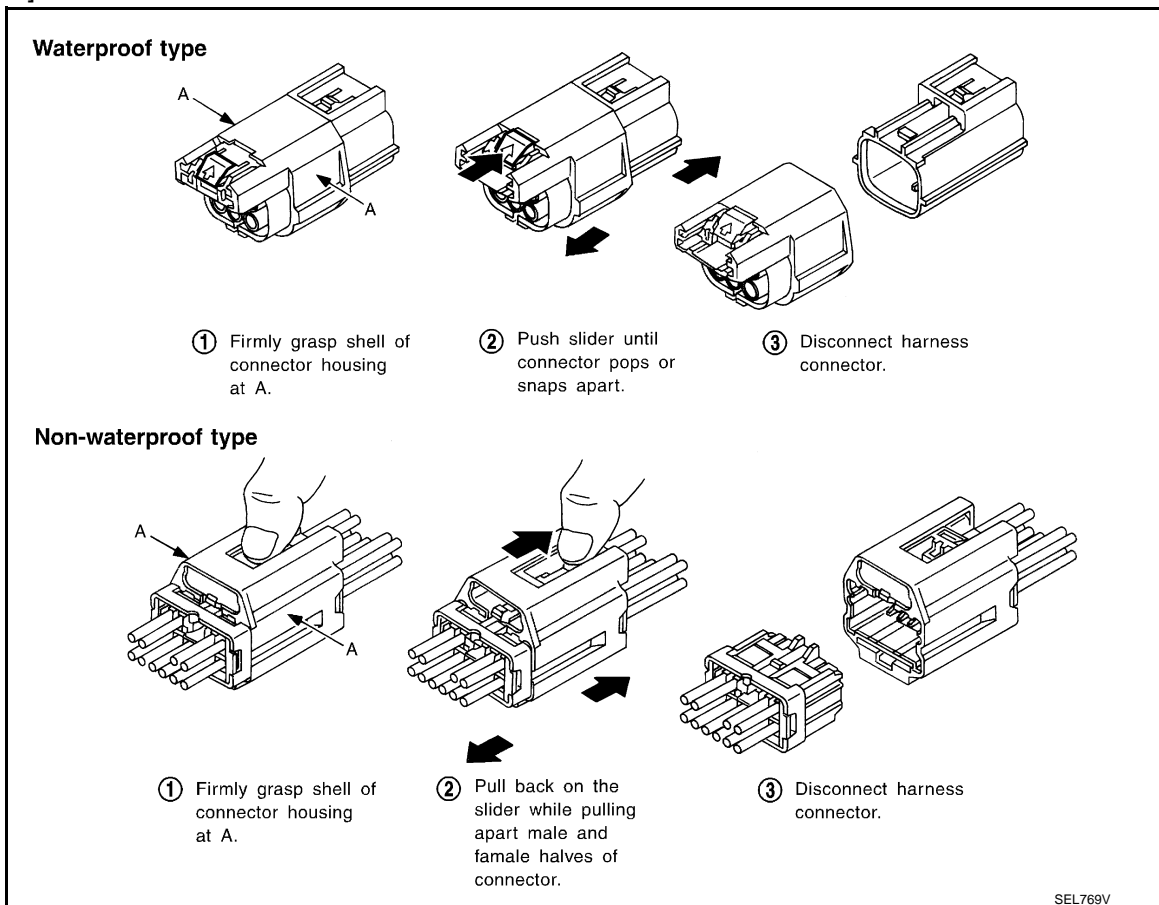
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## CAUTION:

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

[Example]



## HARNESS CONNECTOR (LEVER LOCKING TYPE)

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

## CAUTION:

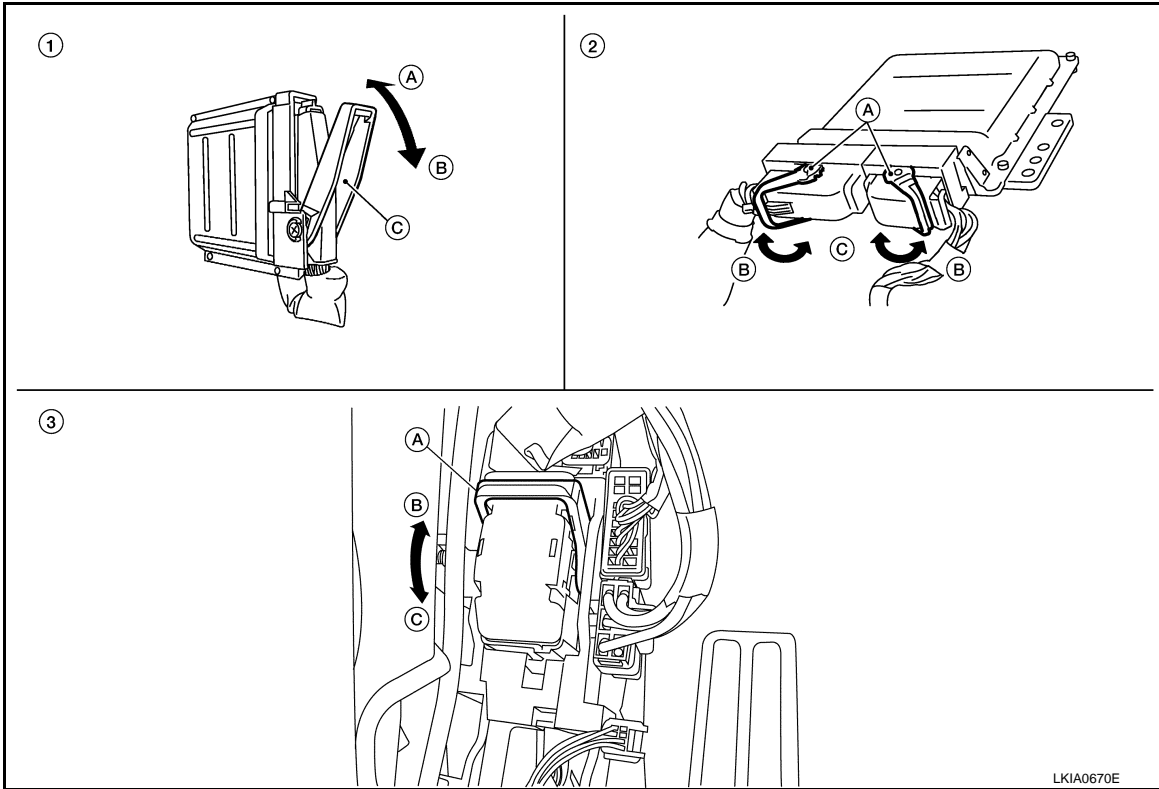


# HARNESS CONNECTOR

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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



1. Control unit with single lever  
A. Fasten  
B. Loosen  
C. Lever

2. Control unit with dual levers  
A. Levers  
B. Fasten  
C. Loosen

3. SMJ connector  
A. Lever  
B. Fasten  
C. Loosen

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PG

# STANDARDIZED RELAY

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

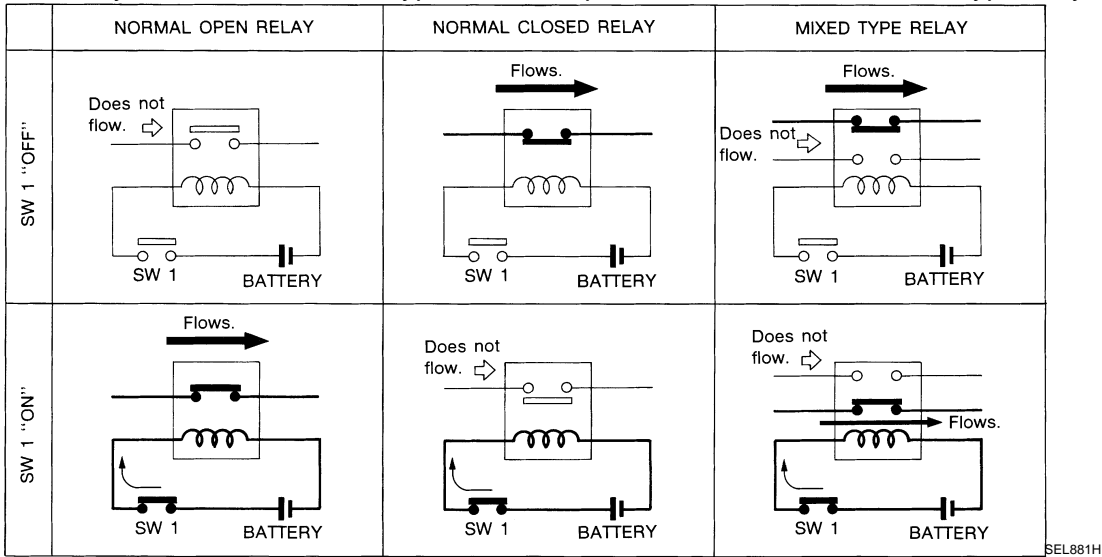
## STANDARDIZED RELAY

### Description

INFOID:000000008159705

### NORMAL OPEN, NORMAL CLOSED AND MIXED TYPE RELAYS

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



SEL881H

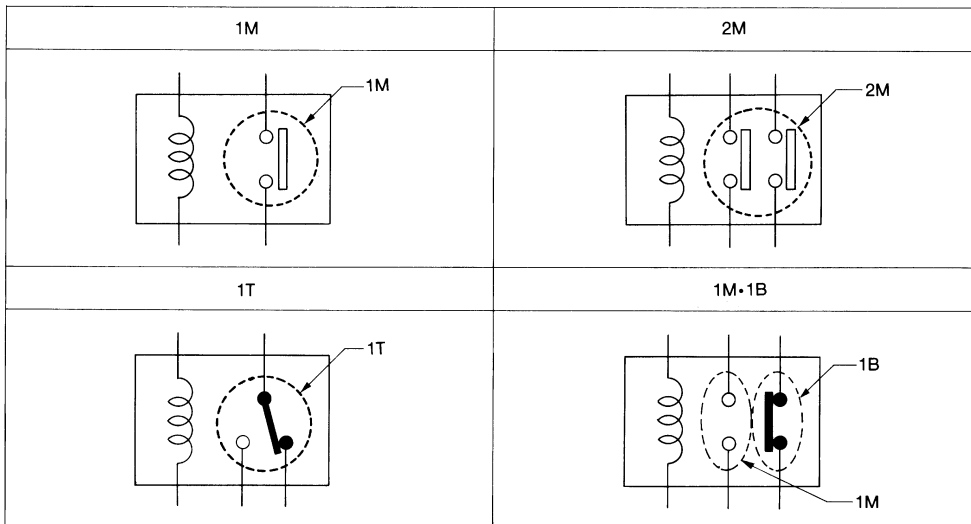
### TYPE OF STANDARDIZED RELAYS

1M ..... 1 Make

2M ..... 2 Make

1T ..... 1 Transfer

1M-1B ..... 1 Make 1 Break

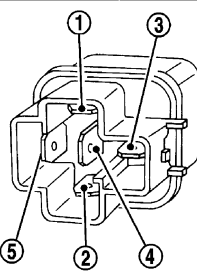
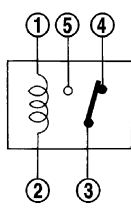
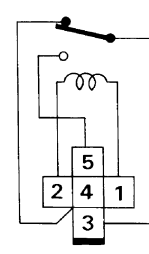
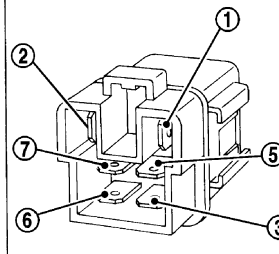
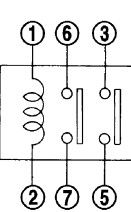
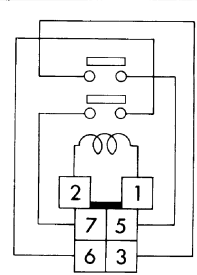
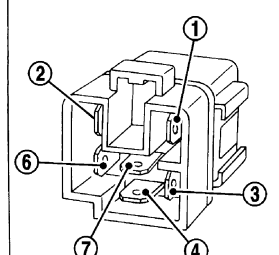
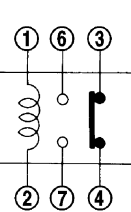
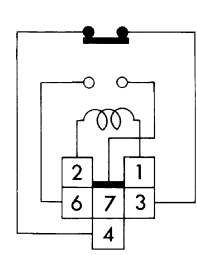
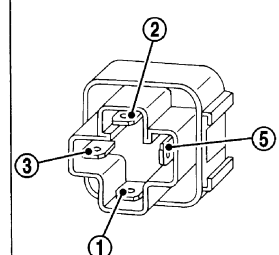
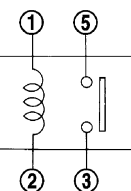
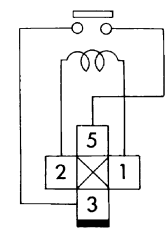
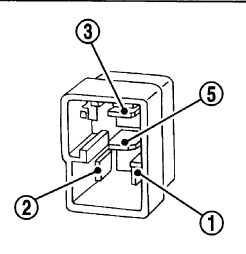
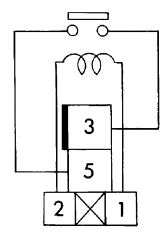


SEL882H

# STANDARDIZED RELAY

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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

A  
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P

# FUSE BLOCK - JUNCTION BOX (J/B)

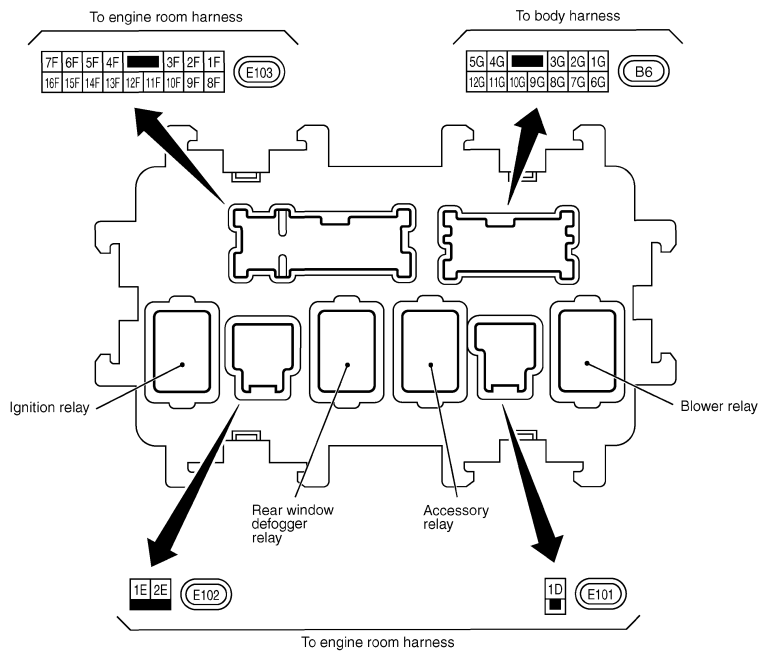
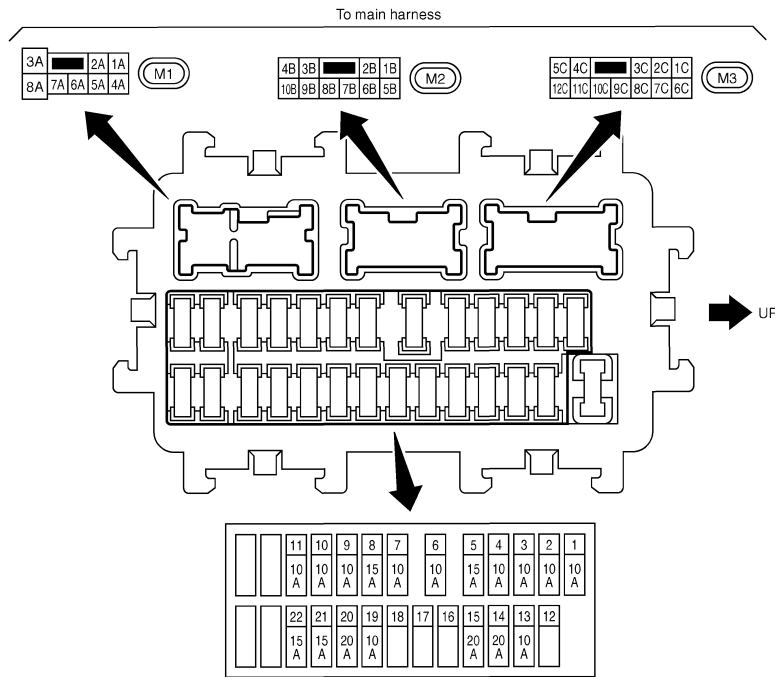
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## FUSE BLOCK - JUNCTION BOX (J/B)

### Fuse, Connector and Terminal Arrangement

INFOID:000000008159706



2012/02/28

JRMWC9480GB

# FUSE, FUSIBLE LINK AND RELAY BOX

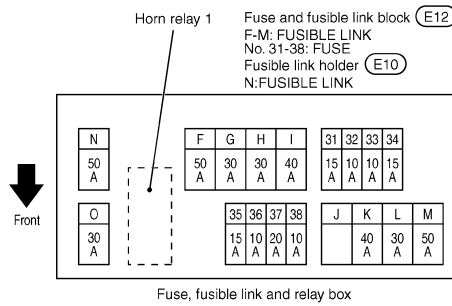
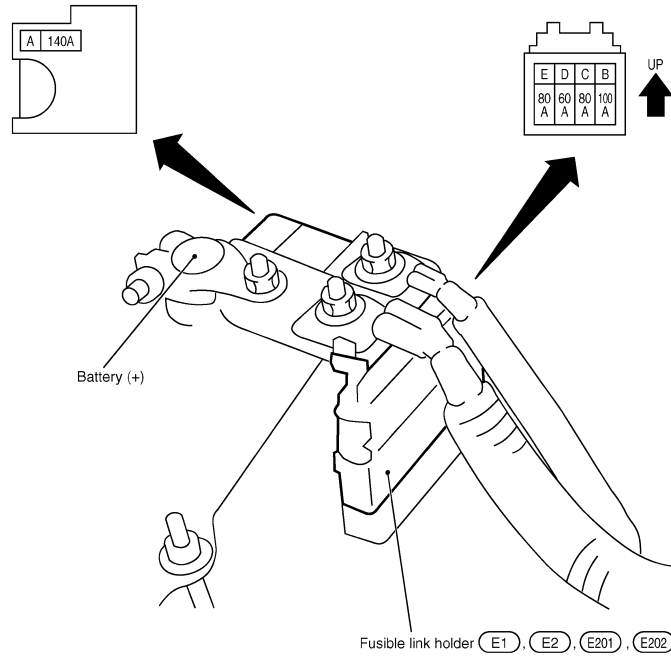
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## FUSE, FUSIBLE LINK AND RELAY BOX

### Fuse and Fusible Link Arrangement

INFOID:000000008159707



2012/02/28

JRMWC9481GB

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

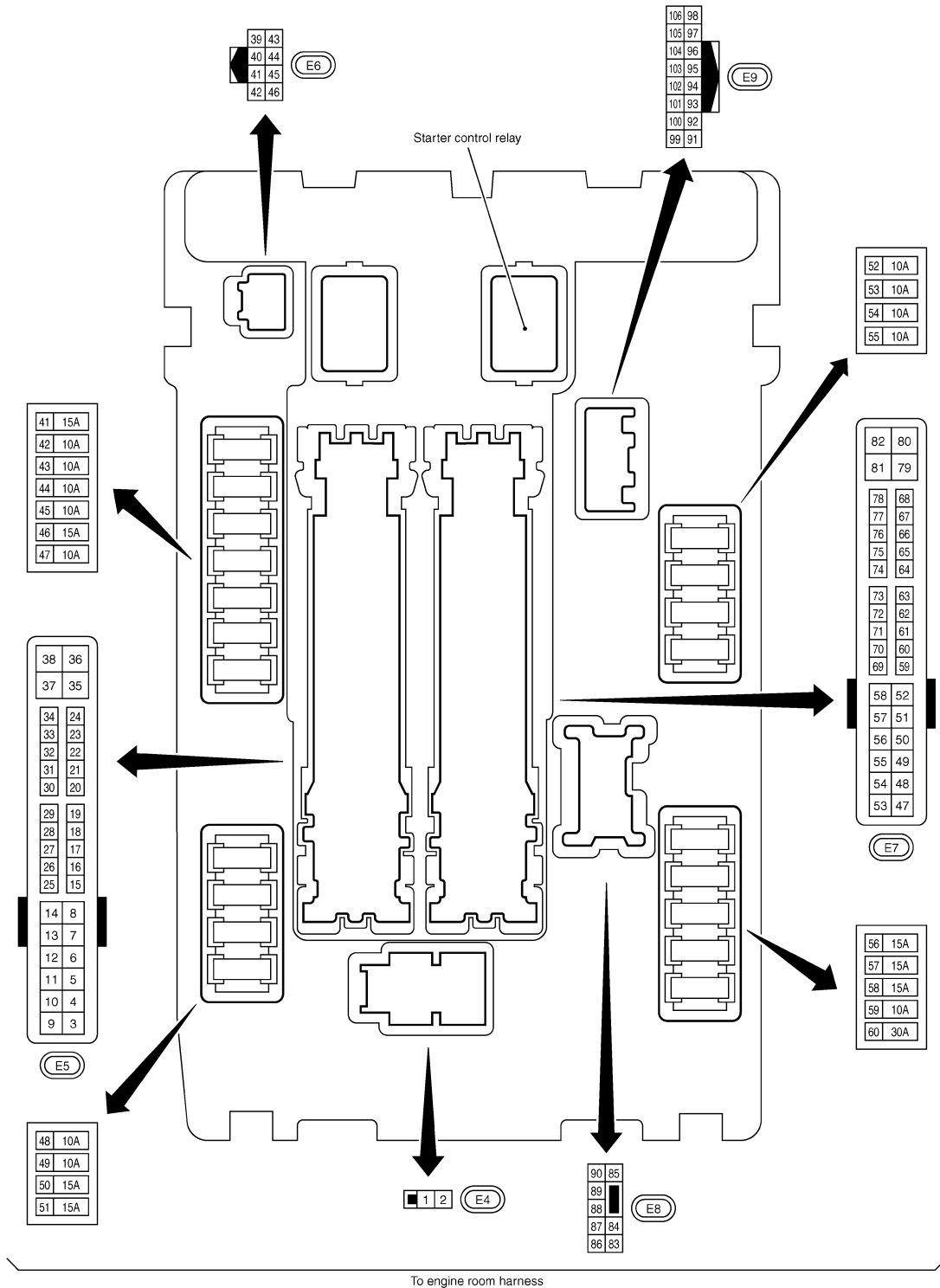
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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

### Fuse, Connector and Terminal Arrangement

INFOID:000000008159708



2010/10/07

JCMWN0241GB

# PRECAUTIONS

< PRECAUTION >

[POWER SUPPLY & GROUND CIRCUIT]

## PRECAUTION

### PRECAUTIONS

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

INFOID:000000008159709

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 "SRS AIR BAG" and "SEAT BELT" of this Service Manual.

#### **WARNING:**

Always observe the following items for preventing accidental activation.

- To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision that 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 "SRS AIR BAG".
- Never 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:**

Always observe the following items for preventing accidental activation.

- When working near the Air Bag Diagnosis Sensor Unit or other Air Bag System sensors with the ignition ON or engine running, never 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.

#### Precaution for Battery Service

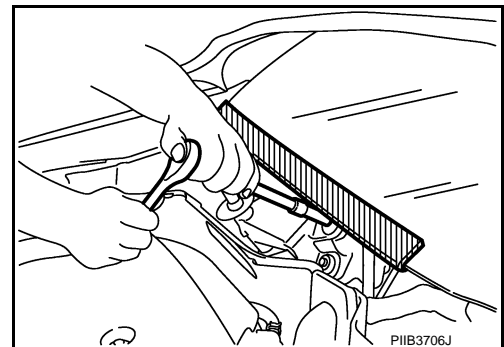
INFOID:000000008159710

Before disconnecting the battery, lower both the driver and passenger windows. This will prevent any interference between the window edge and the vehicle when the door is opened/closed. During normal operation, the window slightly raises and lowers automatically to prevent any window to vehicle interference. The automatic window function will not work with the battery disconnected.

#### Precaution for Procedure without Cowl Top Cover

INFOID:000000008159711

When performing the procedure after removing cowl top cover, cover the lower end of windshield with urethane, etc to prevent damage to windshield.



# PREPARATION

## [POWER SUPPLY & GROUND CIRCUIT]

< PREPARATION >

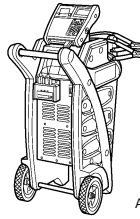
# PREPARATION

## PREPARATION

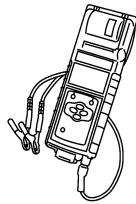
### Special Service Tools

INFOID:000000008159712

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.



AWI1A1239ZZ



JSMIA0806ZZ



# BATTERY

< REMOVAL AND INSTALLATION >

[POWER SUPPLY & GROUND CIRCUIT]

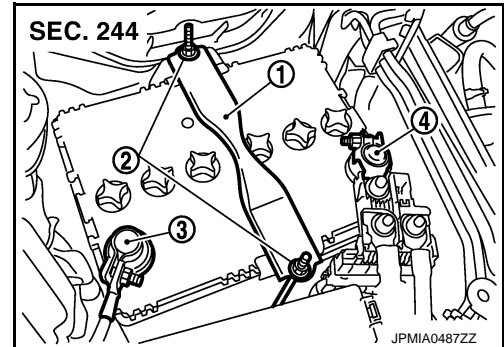
## REMOVAL AND INSTALLATION

### BATTERY

#### Exploded View

INFOID:000000008159713

- 1 : Battery fix frame
- 2 : Battery fix frame mounting nuts
- 3 : Battery terminal (-)
- 4 : Battery terminal (+)

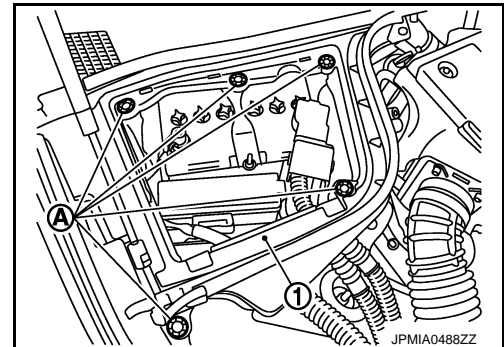


#### Removal and Installation

INFOID:000000008159714

##### REMOVAL

1. Remove battery cover.
2. Remove the clips (A), and remove hoodledge cover (RH) (1).

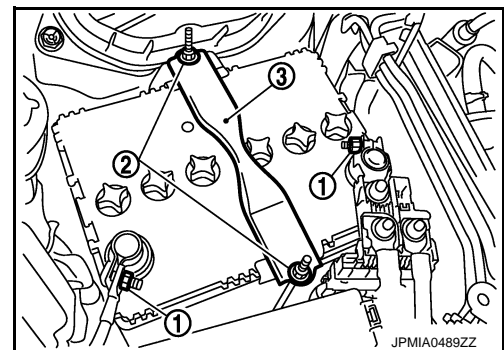


3. Remove cowl top cover (RH). Refer to [EXT-23. "Exploded View"](#).
4. Remove cover of battery positive terminal.
5. Loosen battery terminal nuts (1), and disconnect both battery cables from battery terminals.

**CAUTION:**

**When disconnecting, disconnect the battery cable from the negative terminal first.**

6. Remove battery fix frame mounting nuts (2) and battery fix frame (3).
7. Remove battery.



##### INSTALLATION

Install in the reverse order of removal.

**CAUTION:**

**When connecting, connect the battery cable to the positive terminal first.**

**Battery fix frame mounting nut**

: 3.9 N·m (0.40 kg·m, 35 in·lb)

**Battery terminal nut**

: 5.4 N·m (0.55 kg·m, 48 in·lb)

A  
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L  
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O  
P

## BATTERY

< REMOVAL AND INSTALLATION >

[POWER SUPPLY & GROUND CIRCUIT]

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

# BATTERY TERMINAL WITH FUSIBLE LINK

< REMOVAL AND INSTALLATION >

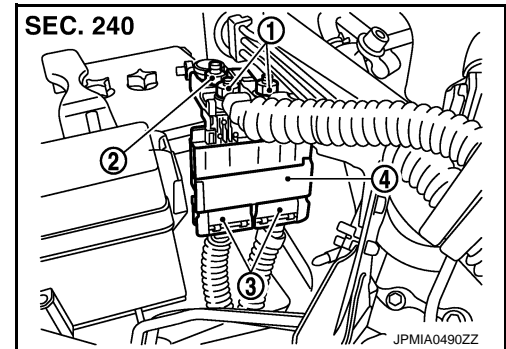
[POWER SUPPLY & GROUND CIRCUIT]

## BATTERY TERMINAL WITH FUSIBLE LINK

### Exploded View

INFOID:000000008159715

- 1 : Harness mounting nut
- 2 : Fusible link holder mounting nut
- 3 : Harness connector
- 4 : Battery terminal with fusible link

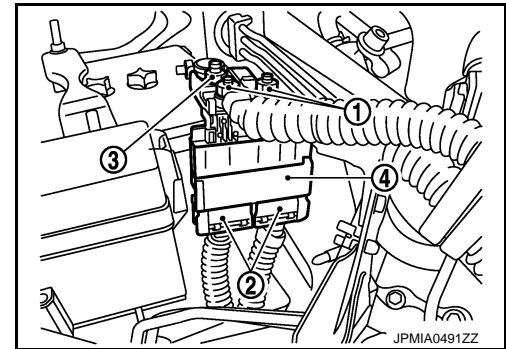


### Removal and Installation

INFOID:000000008159716

#### REMOVAL

1. Remove battery cover.
2. Disconnect the battery cable from the negative terminal.
3. Remove cover of battery positive terminal.
4. Remove harness mounting nuts (1) to disconnect harness connector (2).
5. Remove fusible link holder mounting nut (3) to remove battery terminal with fusible link (4).



#### INSTALLATION

Install in the reverse order of removal.

#### Harness mounting nut

: 13.2 N·m (1.3 kg-m, 10 ft-lb)

#### Fusible link holder mounting nut

: 13.2 N·m (1.3 kg-m, 10 ft-lb)

A  
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G  
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I  
J  
K  
L  
PG  
N  
O  
P

# SERVICE DATA AND SPECIFICATIONS (SDS)

< SERVICE DATA AND SPECIFICATIONS (SDS)

[POWER SUPPLY & GROUND CIRCUIT]

## SERVICE DATA AND SPECIFICATIONS (SDS)

### SERVICE DATA AND SPECIFICATIONS (SDS)

#### Battery

INFOID:000000008159717

Type		80D23L
20 hour rate capacity	[V - Ah]	12 - 62
Cold cranking current (For reference value)	[A]	582