

SECTION **PG**

**POWER SUPPLY, GROUND & CIRCUIT ELEMENTS**

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## BASIC INSPECTION

### BATTERY

#### How to Handle Battery

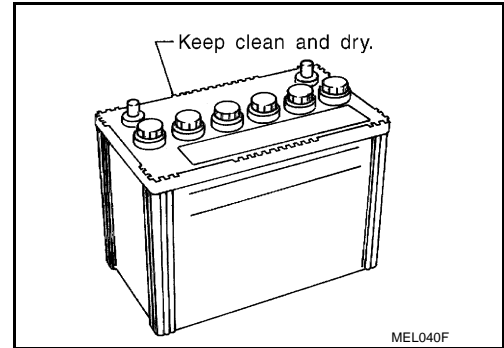
INFOID:000000008278107

**CAUTION:**

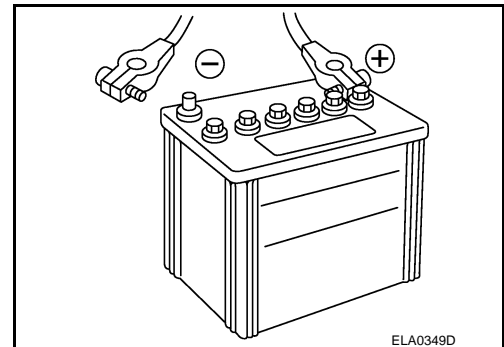
- If it becomes necessary to start the engine with a booster battery and jumper cables, use a 12-volt booster battery.
- After connecting battery cables, ensure that they are tightly clamped to battery terminals for good contact.
- Never add distilled water through the hole used to check specific gravity.

#### METHODS OF PREVENTING OVER-DISCHARGE

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



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



#### Work Flow

INFOID:000000008278108

#### 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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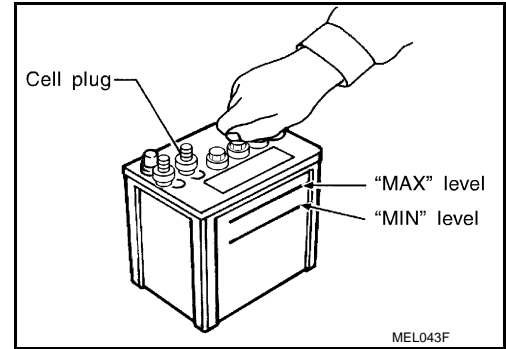
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# BATTERY

## [POWER SUPPLY & GROUND CIRCUIT]

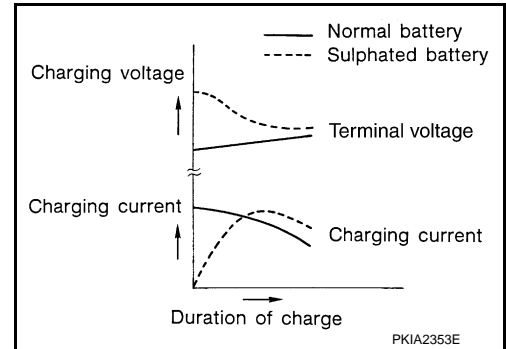
### < BASIC INSPECTION >

- 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.



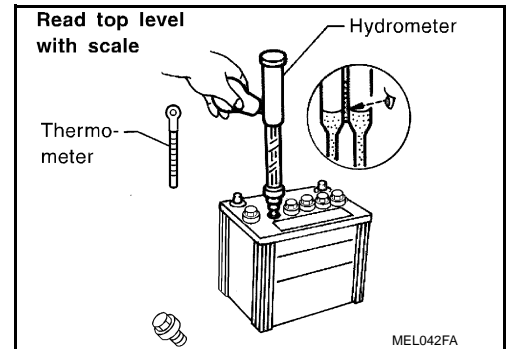
### Specific Gravity Check

#### 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	10	1
1/2 charged		2
1/4 charged		4
Almost discharged		5
Completely discharged		5

#### Charging Rates (Quick Charge)

Approximate charge condition	Charge current (A)	Charge time (h)
Fully charged	—	—
3/4 charged	15	0.5
1/2 charged	25	
1/4 charged	25	1
Almost discharged	35	
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

[POWER SUPPLY & GROUND CIRCUIT]


< DTC/CIRCUIT DIAGNOSIS >

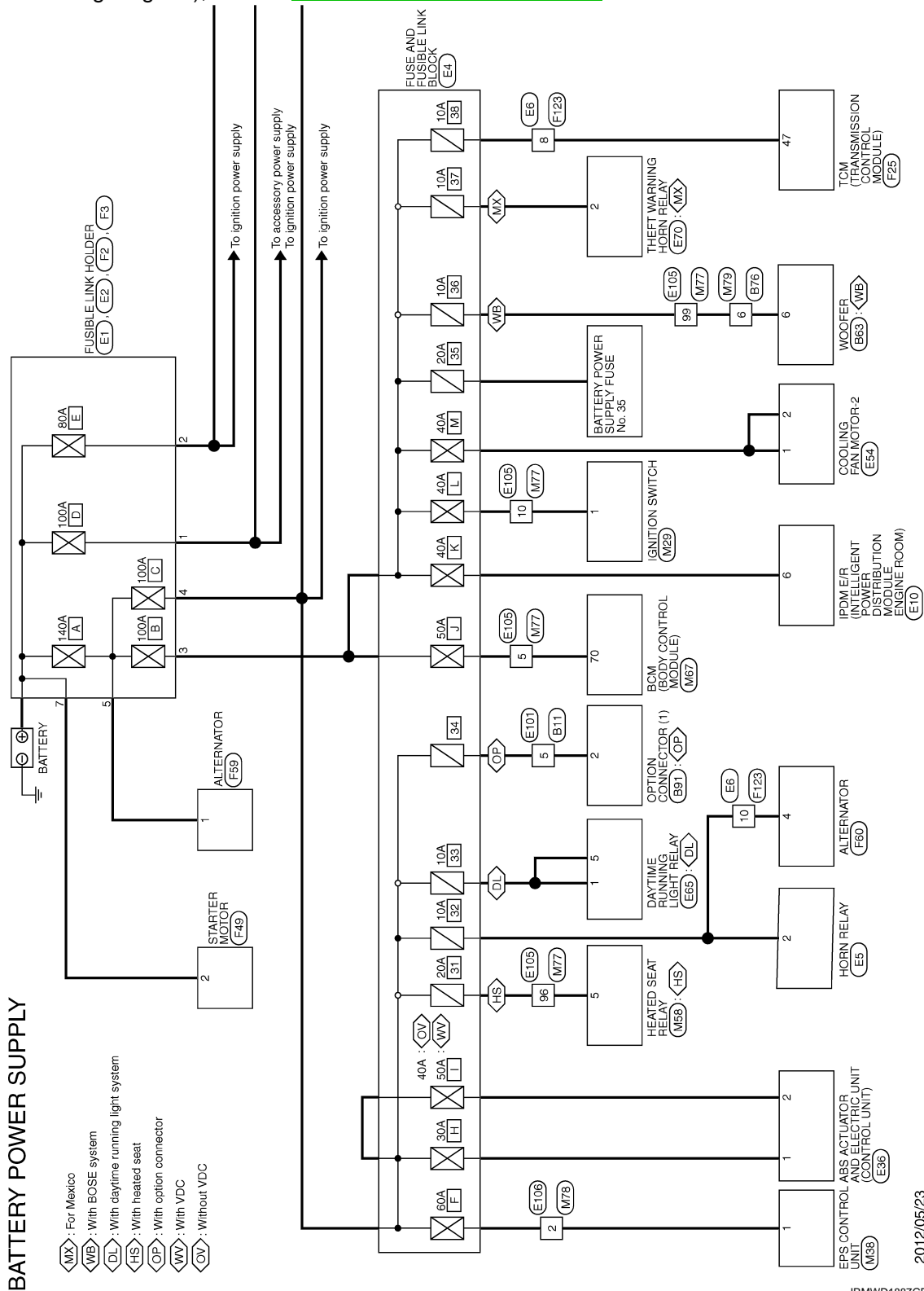
## DTC/CIRCUIT DIAGNOSIS

### POWER SUPPLY ROUTING CIRCUIT

#### Wiring Diagram - BATTERY POWER SUPPLY -

INFOID:000000008278109

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

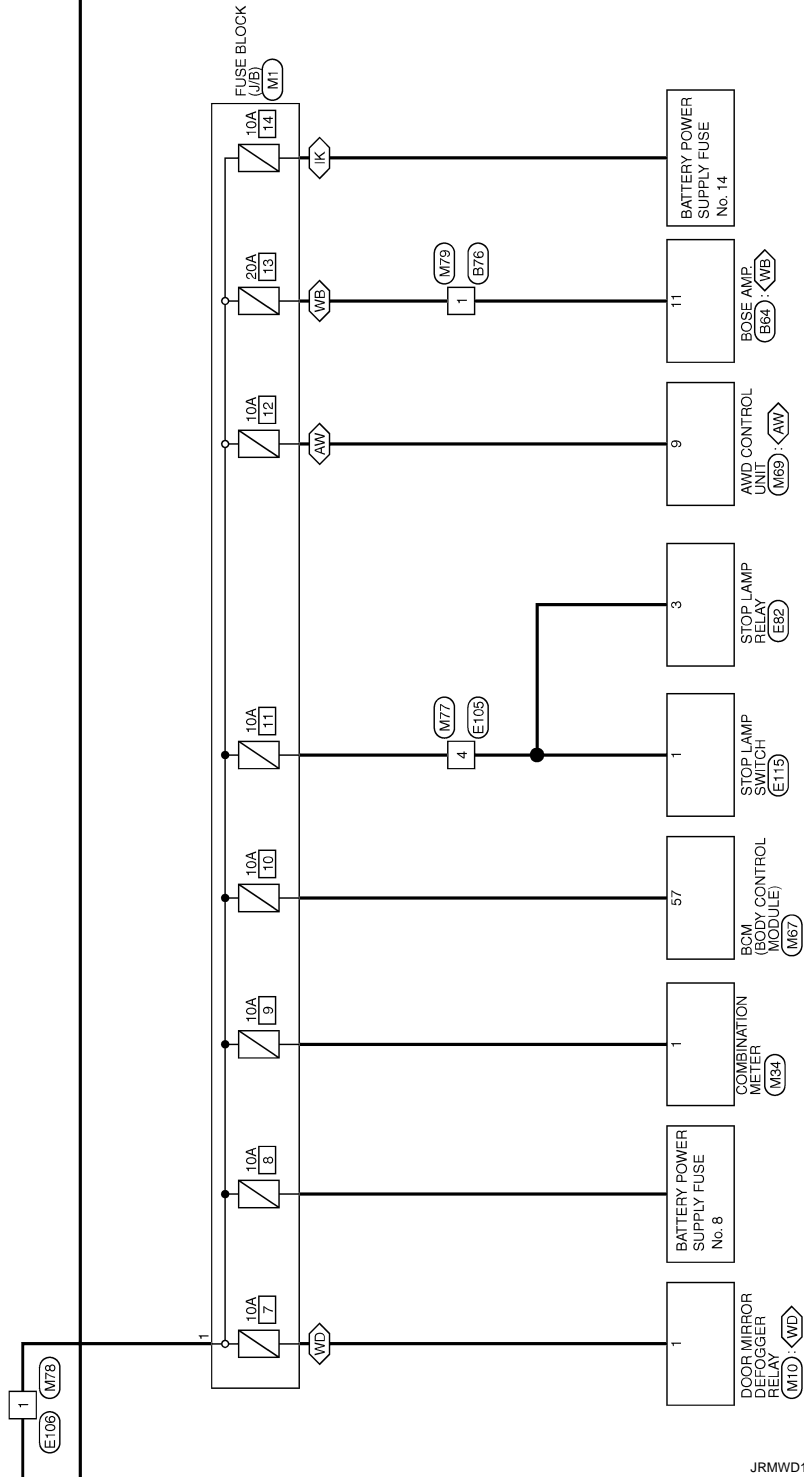


# POWER SUPPLY ROUTING CIRCUIT

## [POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

- : AWD models
- : With door mirror defogger
- : With BOSE system
- : With Intelligent Key





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# POWER SUPPLY ROUTING CIRCUIT

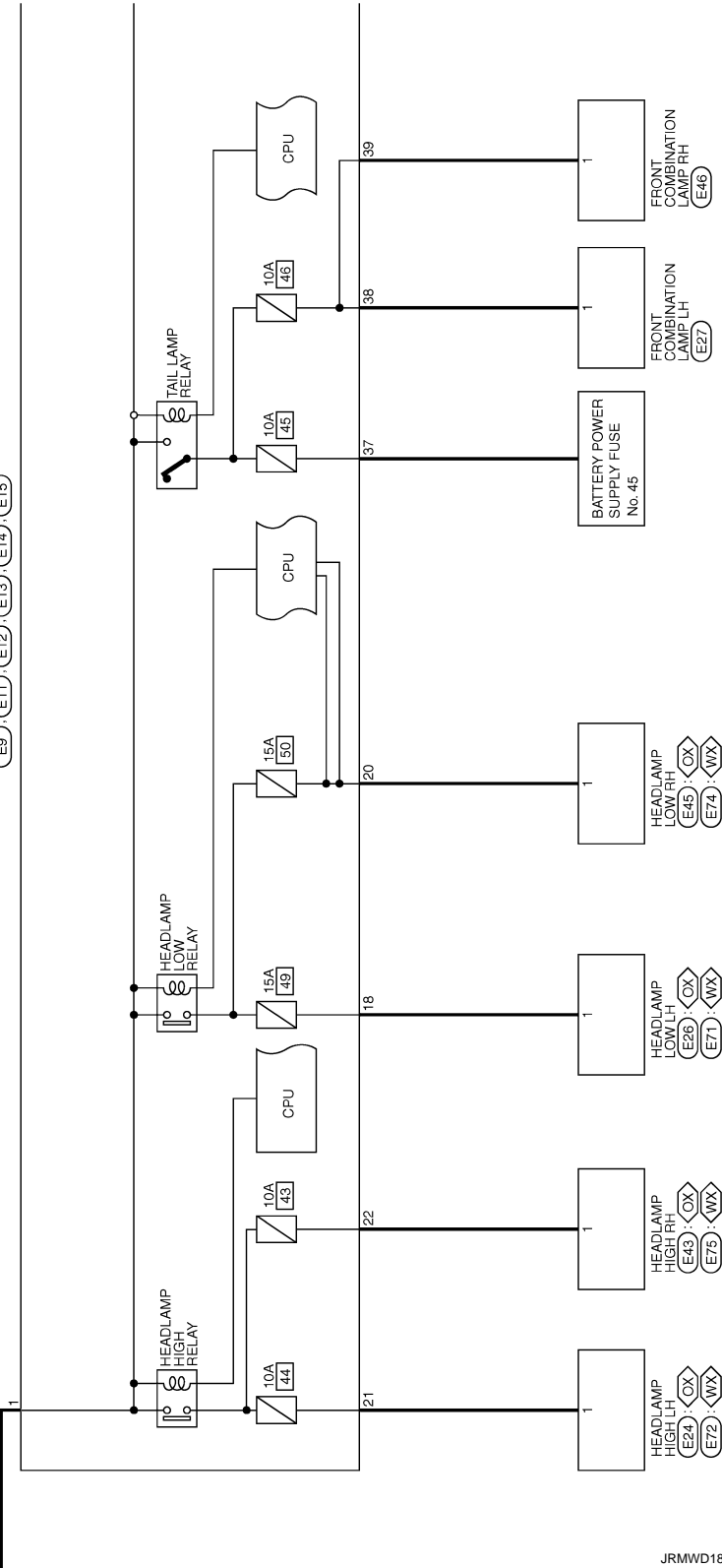
[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

 : With xenon headlamp  
 : Without xenon headlamp

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

 (E9)  (E11)  (E12)  (E13)  (E14)  (E15)



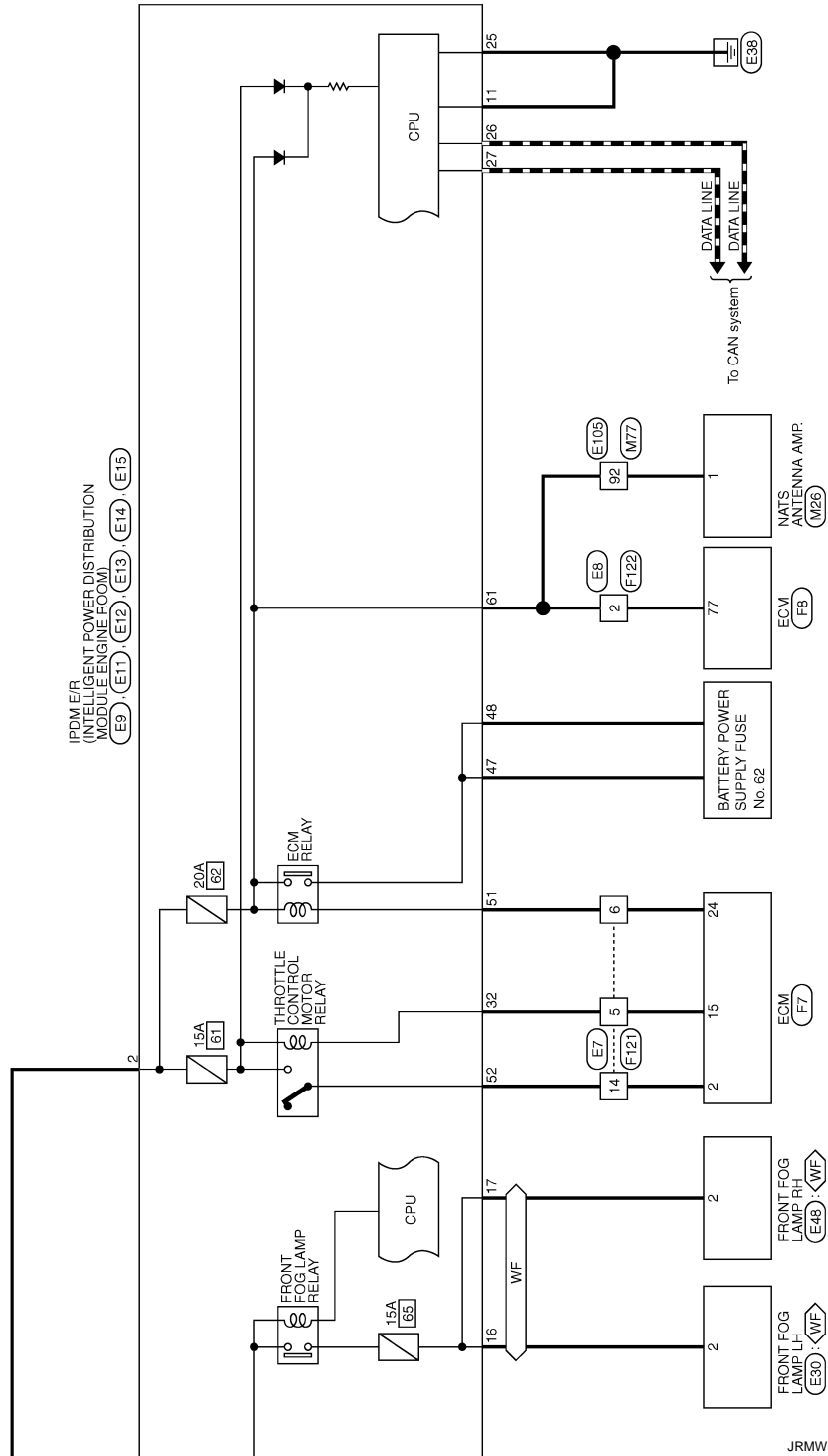
JRMWD1889GB

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

WF : With front fog lamp



JRMWD1890GB

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
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

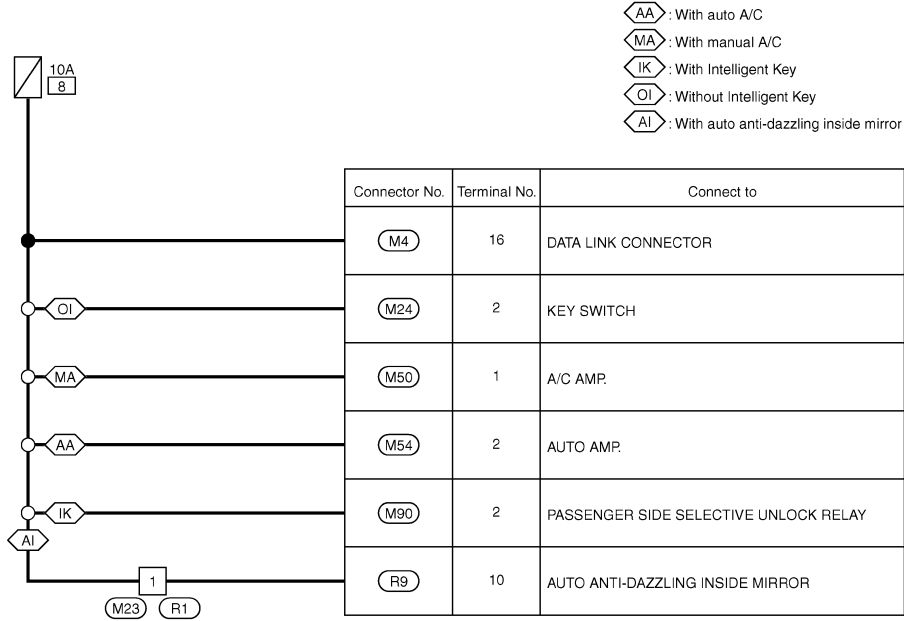
[POWER SUPPLY & GROUND CIRCUIT]

## Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 8 -

INFOID:000000008278110

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. 8



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
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

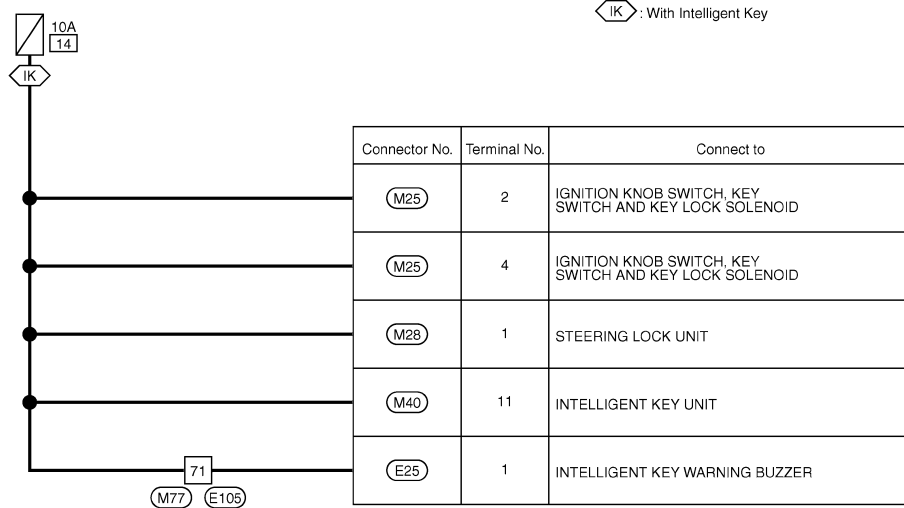
[POWER SUPPLY & GROUND CIRCUIT]

## Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 14 -

INFOID:000000008278111

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. 14



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
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >






[POWER SUPPLY & GROUND CIRCUIT]

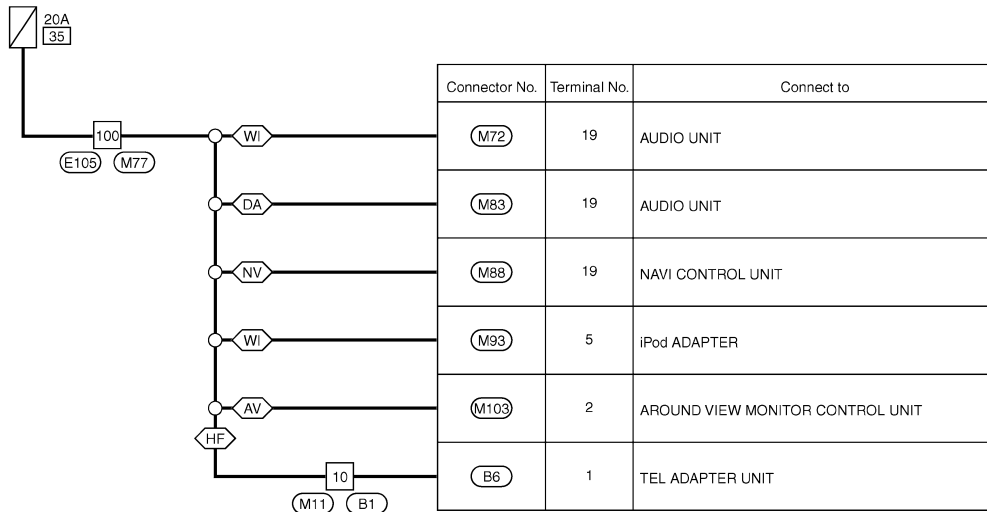
## Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 35 -

INFOID:000000008278112

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. 35

-  : With display audio
-  : With navigation system
-  : With around view monitor
-  : With telephone
-  : With iPod



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
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

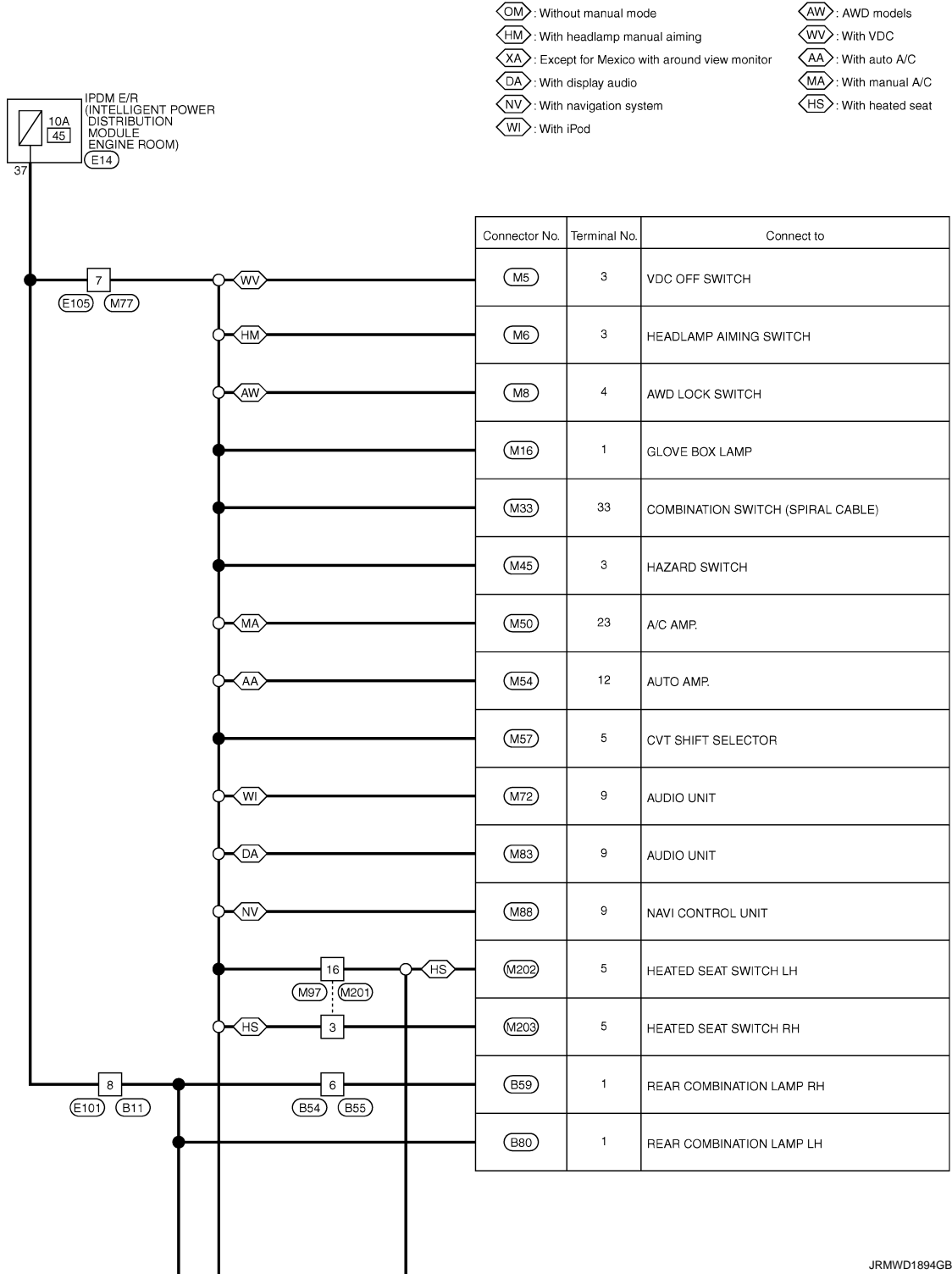
[POWER SUPPLY & GROUND CIRCUIT]

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

INFOID:000000008278113

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. 45



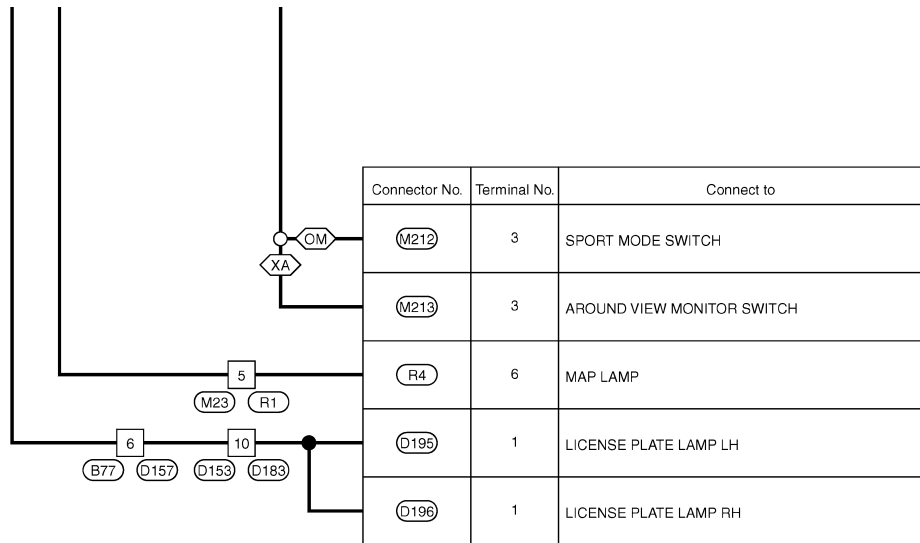
JRMWD1894GB

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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]



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
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

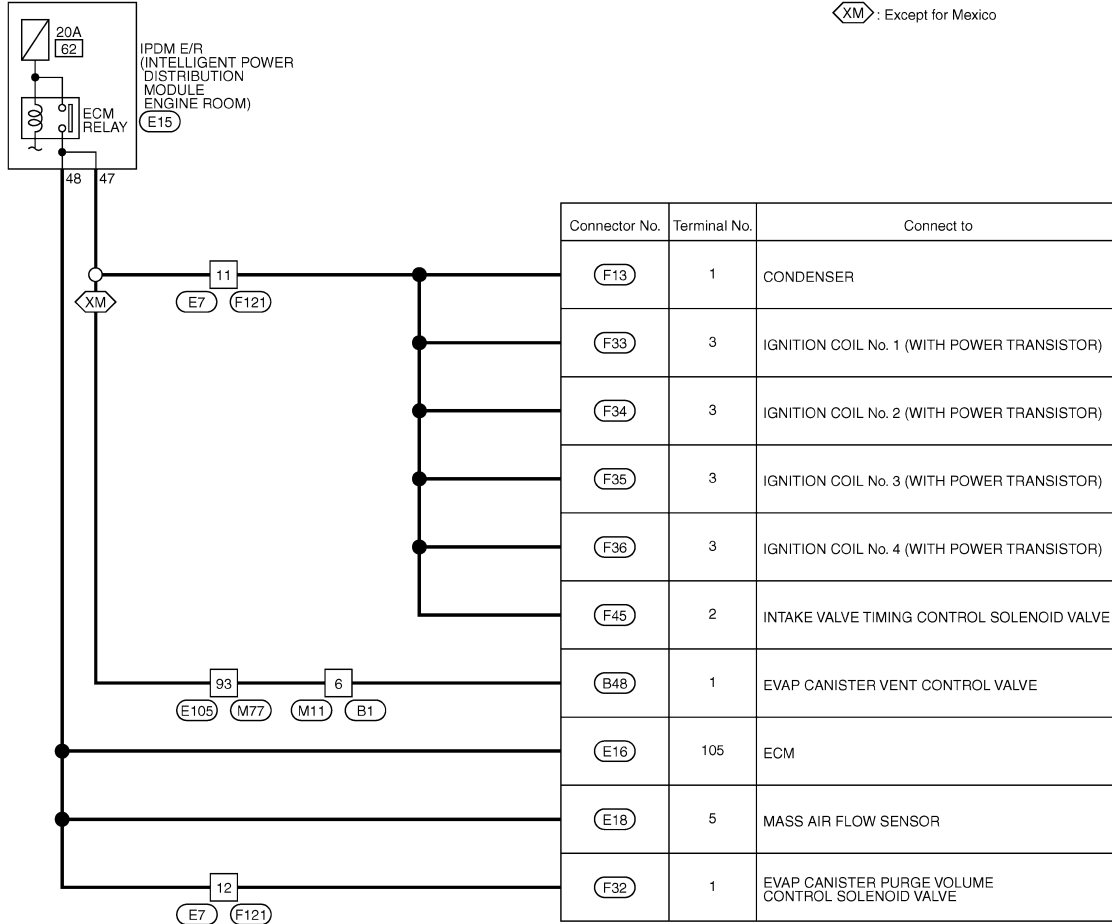
[POWER SUPPLY & GROUND CIRCUIT]

## Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 62 -

INFOID:000000008278114

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. 62



2012/05/23

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
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

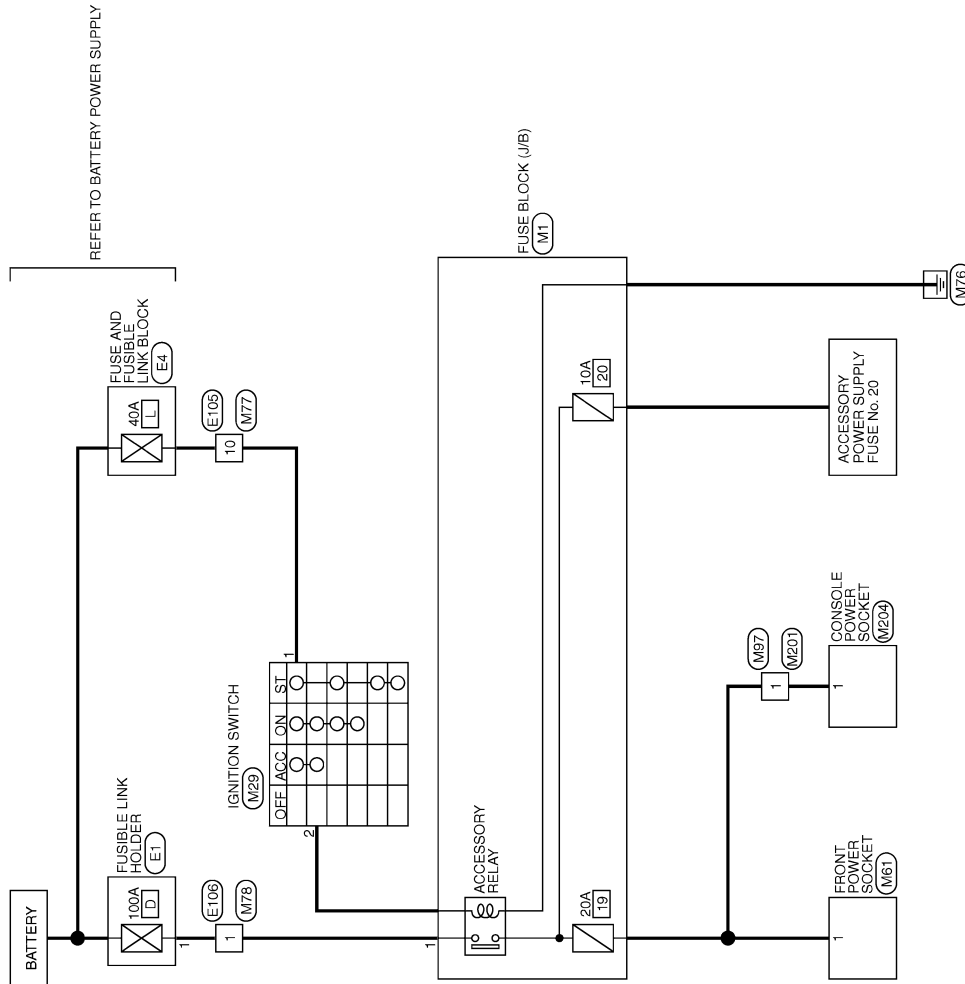
[POWER SUPPLY & GROUND CIRCUIT]

## Wiring Diagram - ACCESSORY POWER SUPPLY -

INFOID:000000008278115

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



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
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >





[POWER SUPPLY & GROUND CIRCUIT]

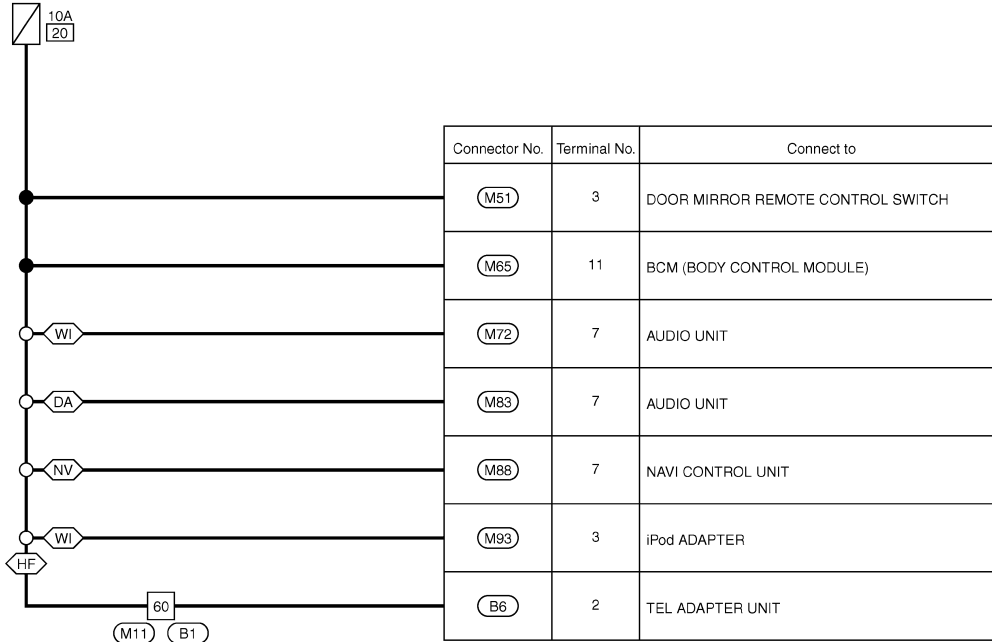
## Wiring Diagram - ACCESSORY POWER SUPPLY FUSE No. 20 -

INFOID:000000008278116

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 display audio
-  : With navigation system
-  : With telephone
-  : With iPod



2012/05/23

JRMWD1898GB

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
# POWER SUPPLY ROUTING CIRCUIT

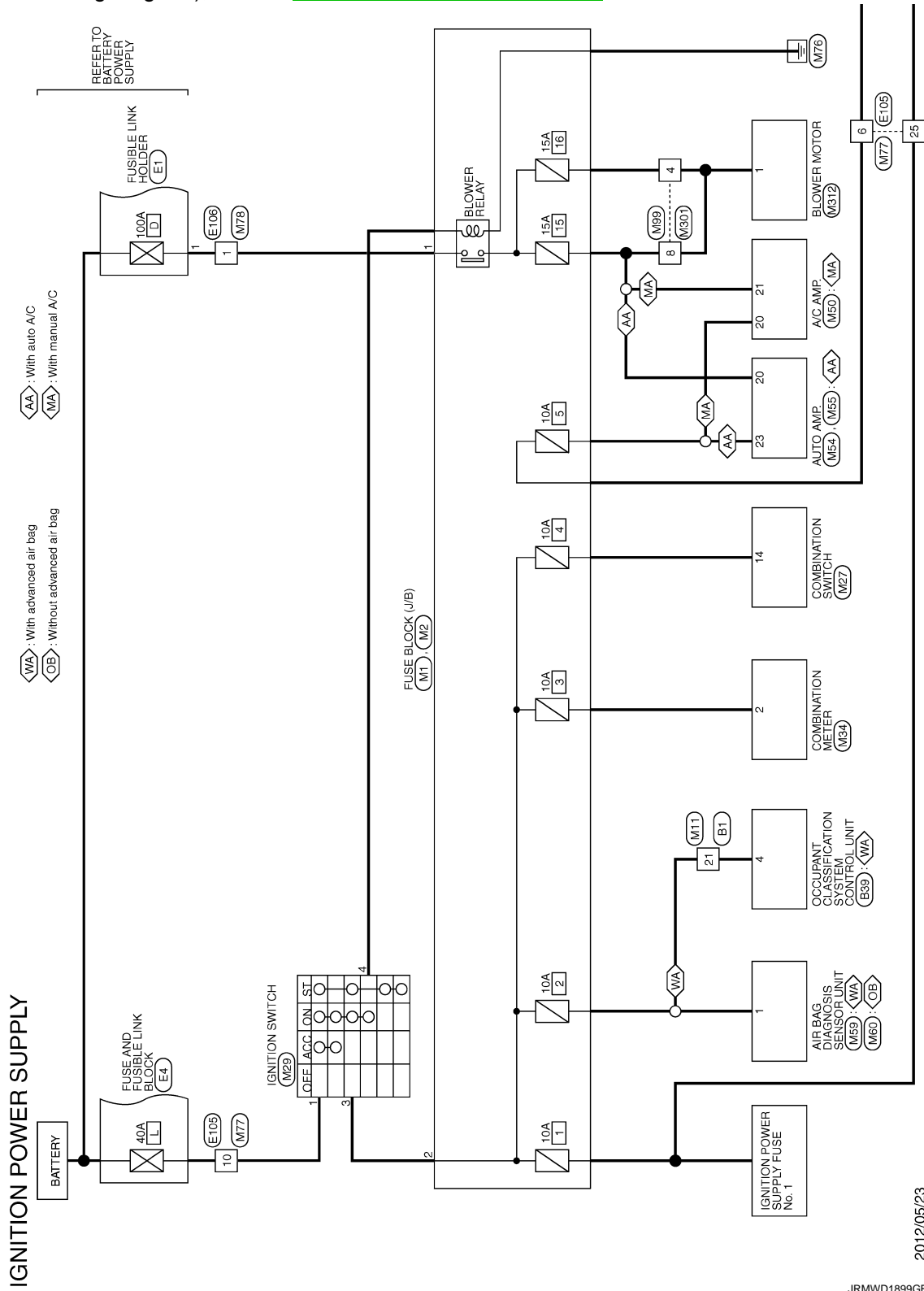
## [POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

### Wiring Diagram - IGNITION POWER SUPPLY -

INFOID:000000008278117

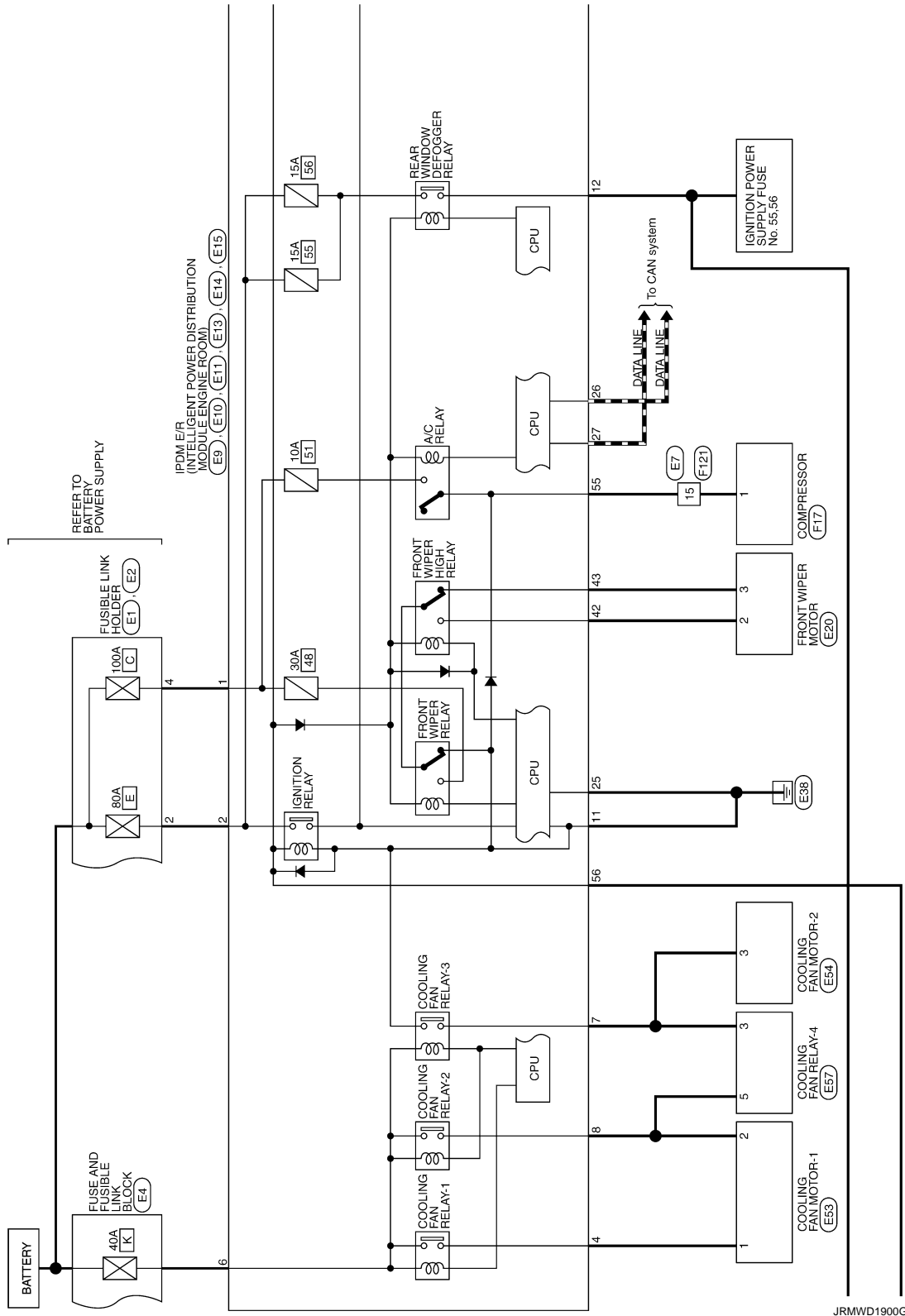
For connector terminal arrangements, harness layouts, and alphabets in a  (option abbreviation; if not described in wiring diagram), refer to [GI-12, "Connector Information"](#).



# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]



JRMWD1900GB

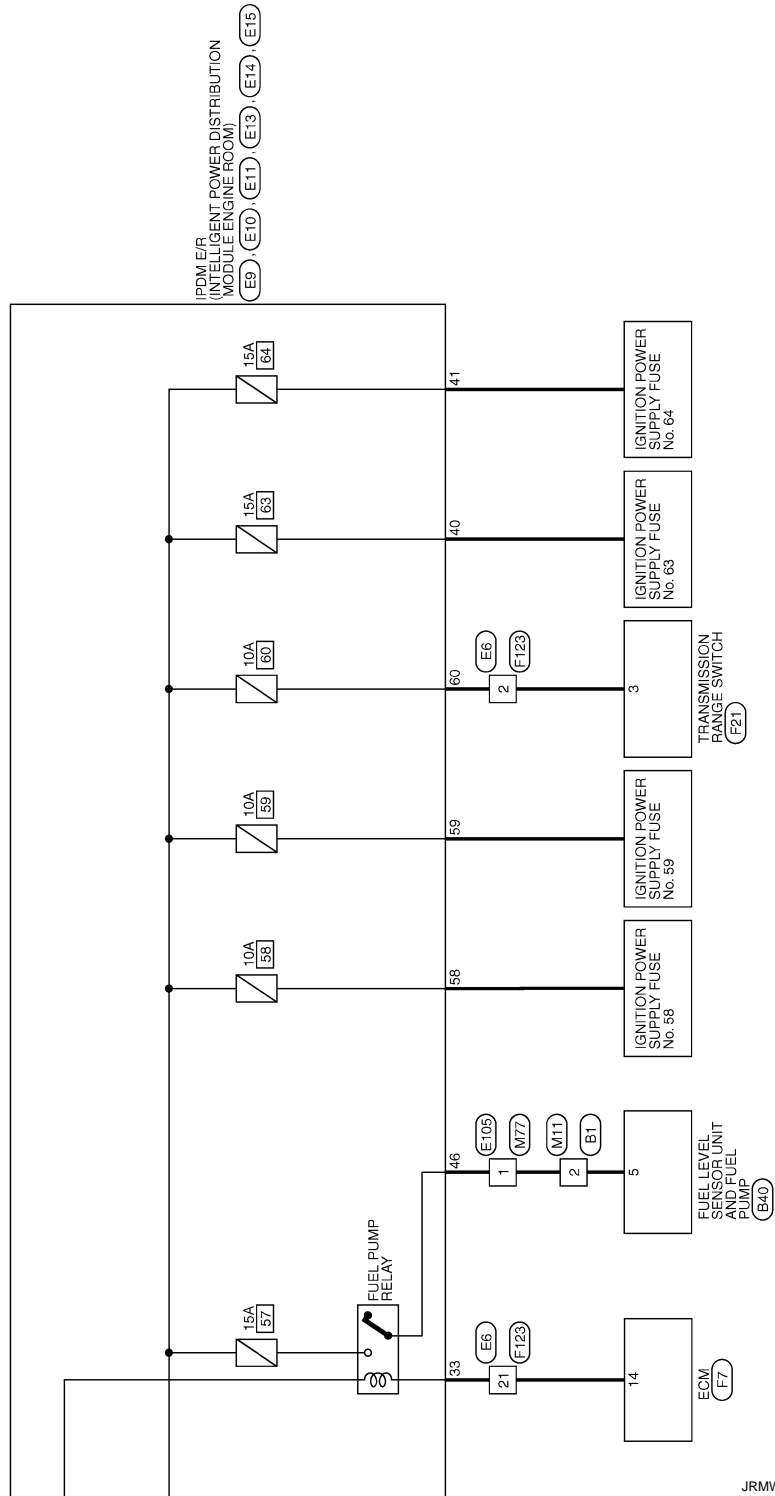
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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]



JRMWD1901GB




# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >












[POWER SUPPLY & GROUND CIRCUIT]

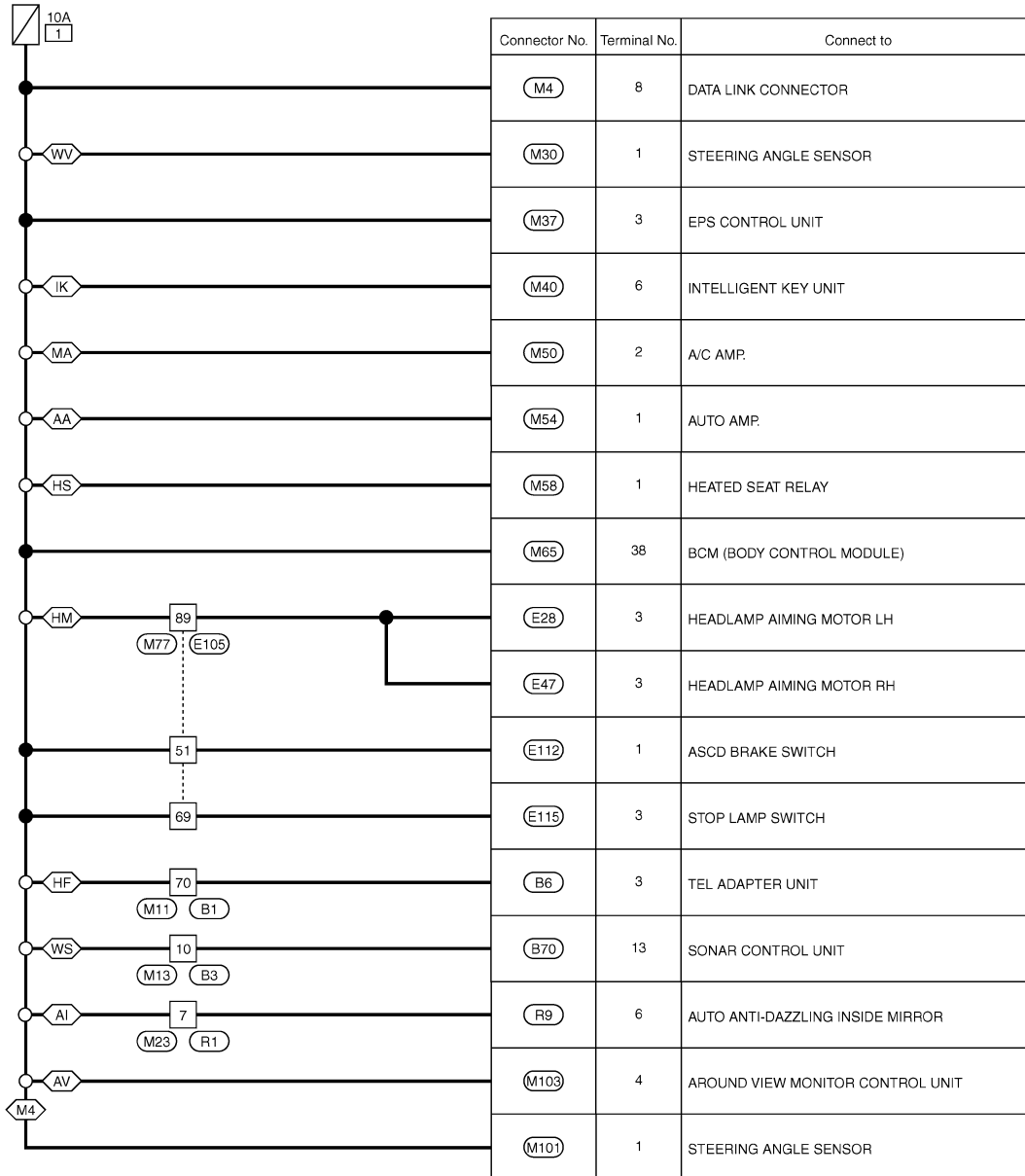
## Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 1 -

INFOID:000000008278118

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. 1

-  : With VDC
-  : With auto A/C
-  : With manual A/C
-  : With Intelligent Key
-  : With headlamp manual aiming
-  : With heated seat
-  : With auto anti-dazzling inside mirror
-  : With sonar system
-  : With telephone
-  : For Mexico AWD model
-  : With around view monitor



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JRMWD1902GB


# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

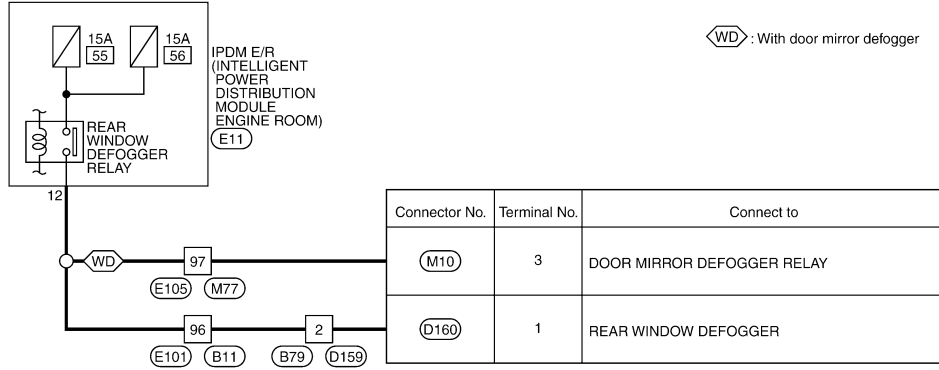
[POWER SUPPLY & GROUND CIRCUIT]

## Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 55, 56 -

INFOID:000000008278119

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

### IGNITION POWER SUPPLY FUSE No. 55, 56



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
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

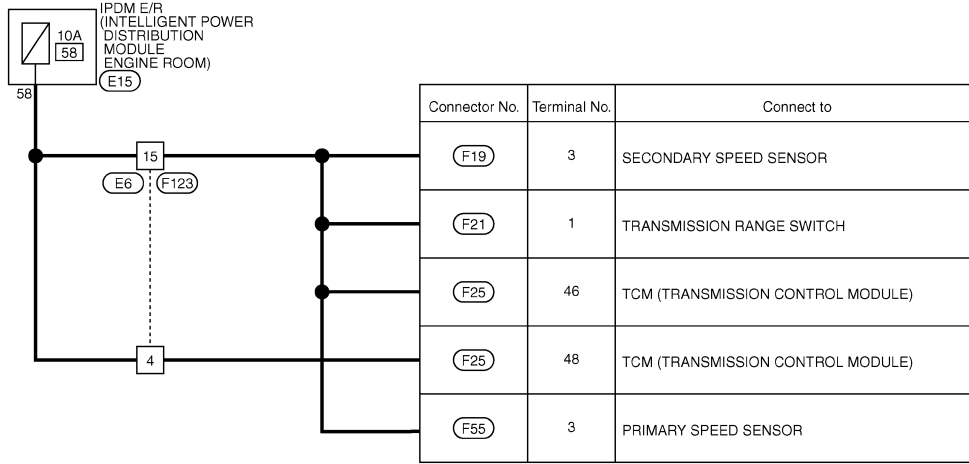
[POWER SUPPLY & GROUND CIRCUIT]

## Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 58 -

INFOID:000000008278120

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. 58



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

PG

2012/05/23

JRMWD1904GB


# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >



[POWER SUPPLY & GROUND CIRCUIT]

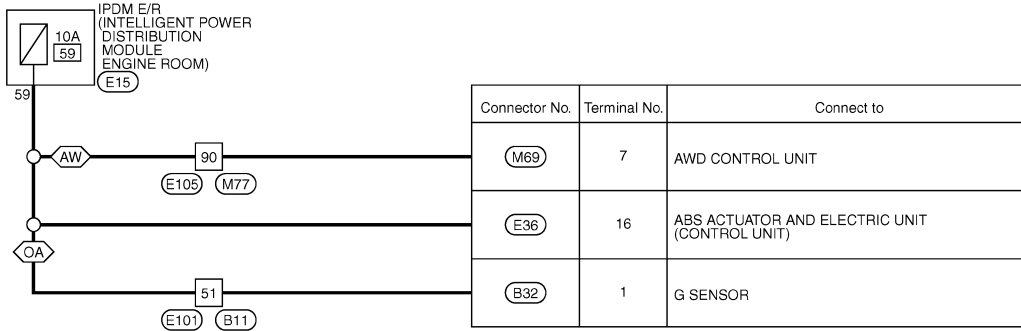
## Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 59 -

INFOID:000000008278121

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. 59

 : AWD models  
 : AWD models without VDC



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JRMWD1905GB


# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

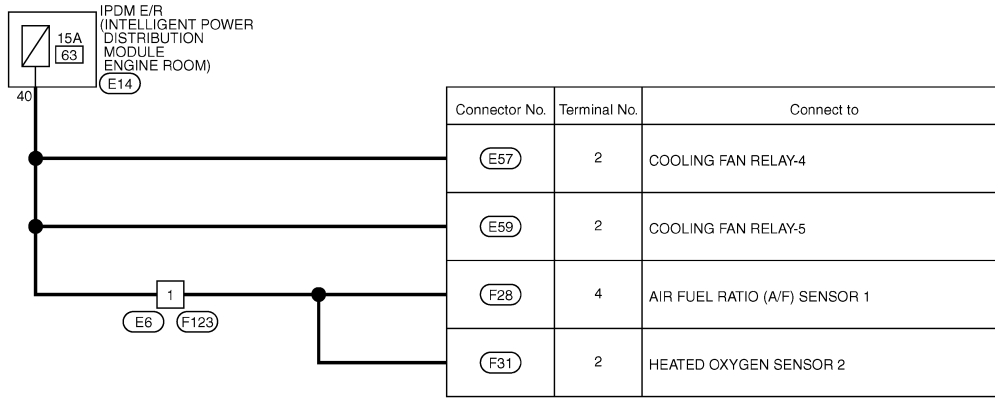
[POWER SUPPLY & GROUND CIRCUIT]

## Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 63 -

INFOID:000000008278122

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. 63



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

PG

2012/05/23

JRMWD1906GB


# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

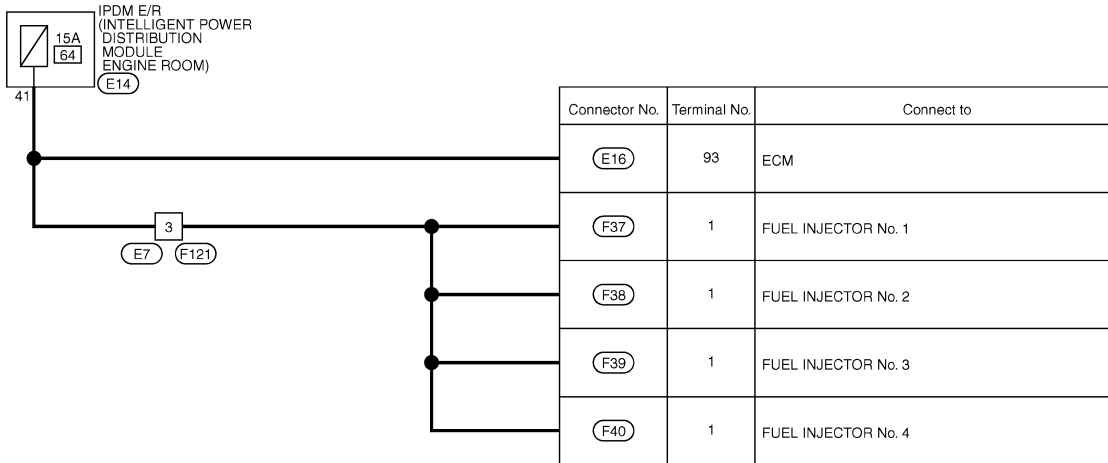
[POWER SUPPLY & GROUND CIRCUIT]

## Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 64 -

INFOID:000000008278123

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. 64



2012/05/23

JRMWD1907GB

# POWER SUPPLY ROUTING CIRCUIT

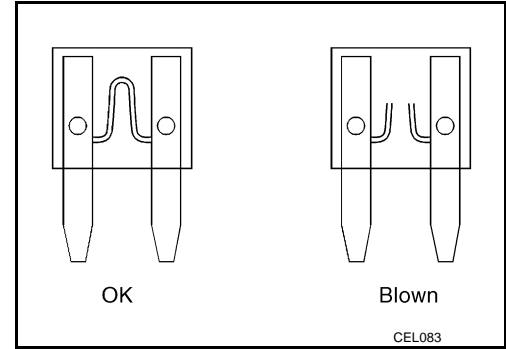
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Fuse

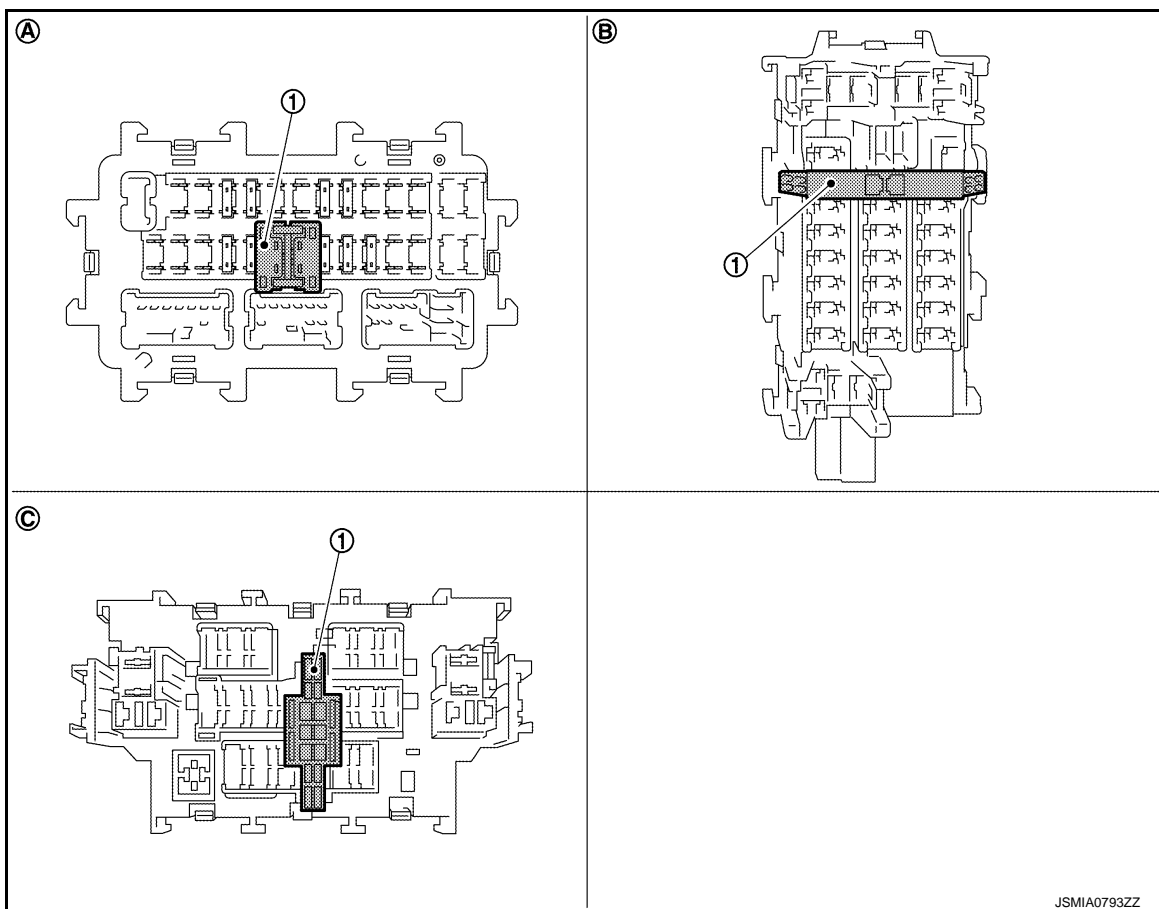
INFOID:000000008278124

- 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

C. Type C

- 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:

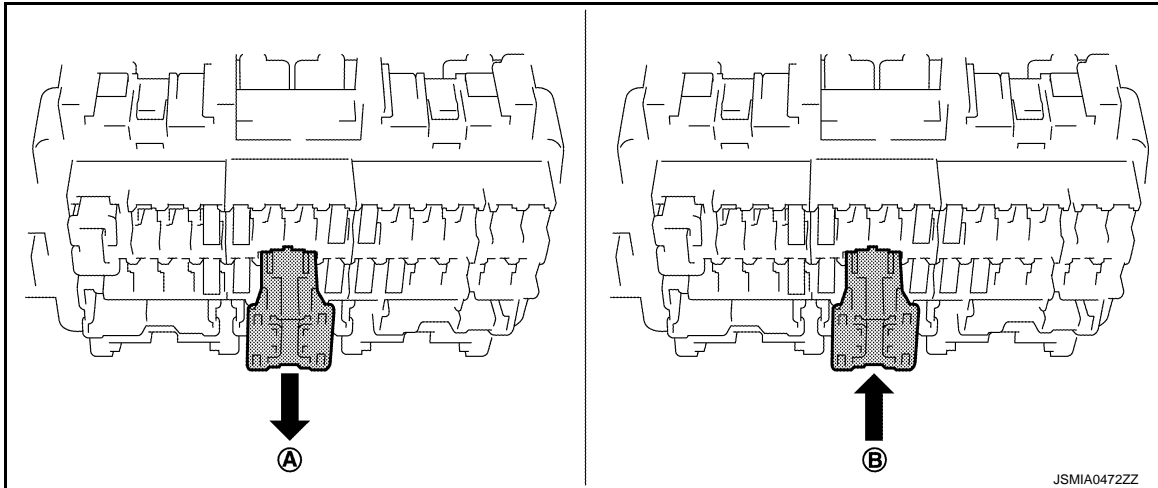
- Turn the ignition switch OFF when operating the extended storage switch.
- Under normal conditions, keep the extended storage switch in ON state. Never operate the extended storage switch except when necessary.

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

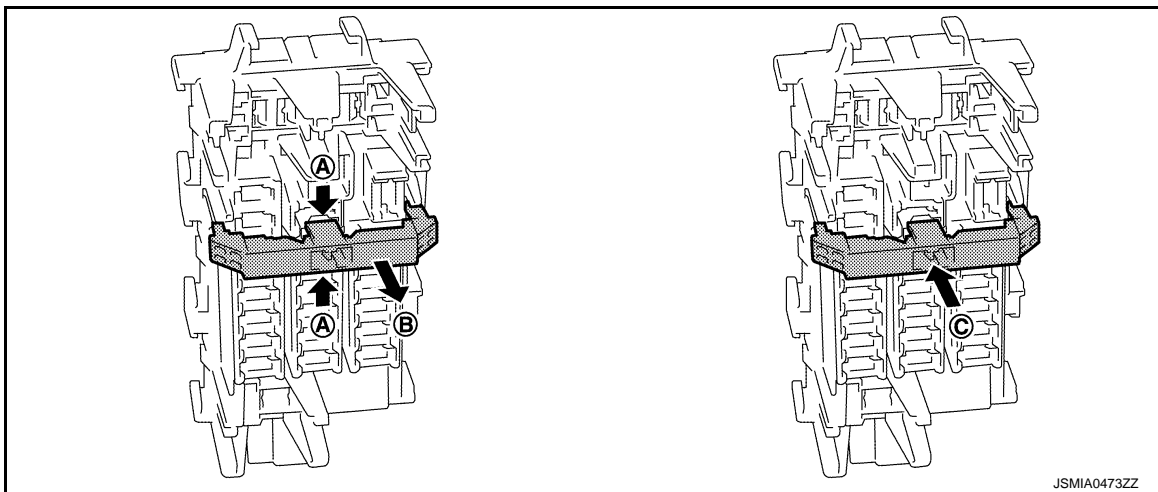
[POWER SUPPLY & GROUND CIRCUIT]

- Type A



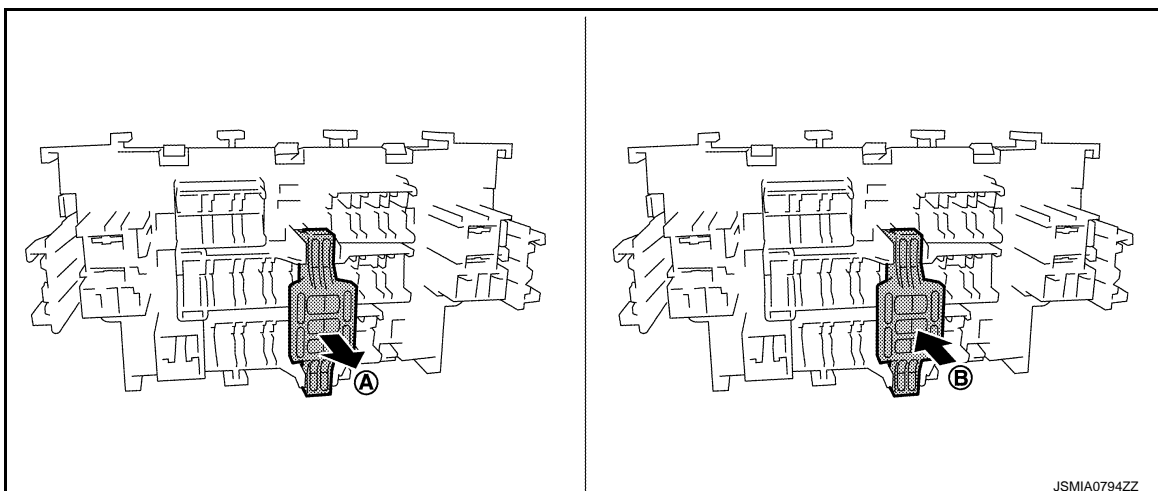
- To turn the extended storage switch OFF, pull it up in (A) direction as shown in the figure.
- To turn the extended storage switch ON, press it in (B) direction as shown in the figure.

- 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.

- Type C



- 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.

## How To Remove Extended Storage Switch

### Type A

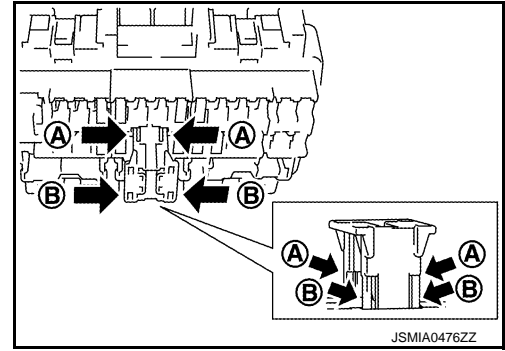


# POWER SUPPLY ROUTING CIRCUIT

## [POWER SUPPLY & GROUND CIRCUIT]

### < DTC/CIRCUIT DIAGNOSIS >

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.

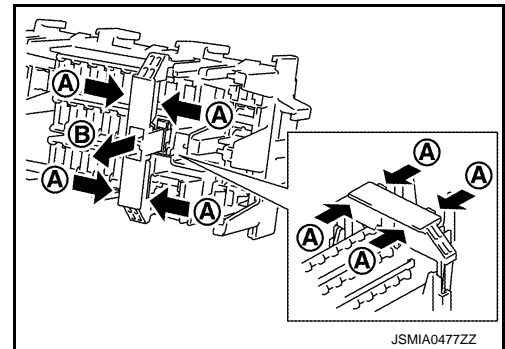


#### NOTE:

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

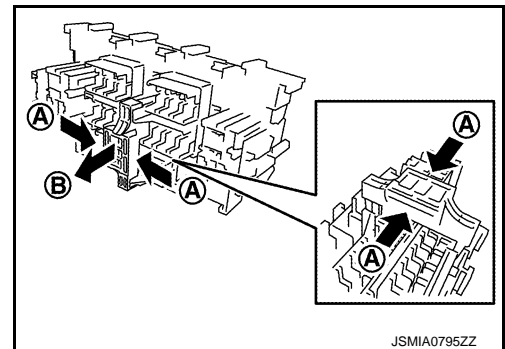


#### NOTE:

- 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.

#### Type C

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

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

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

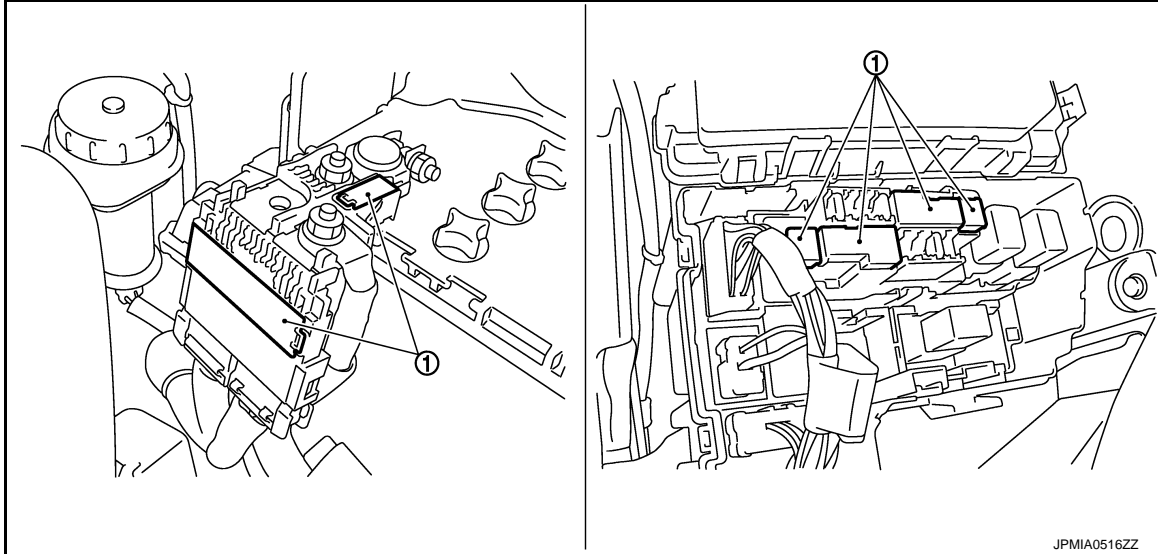
[POWER SUPPLY & GROUND CIRCUIT]

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

## Fusible Link

INFOID:000000008278125

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

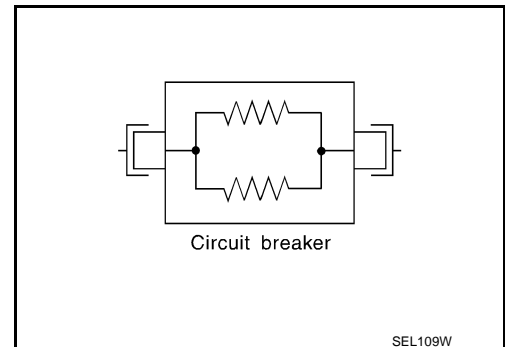
### CAUTION:

- 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:000000008278126

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.



# OPTION HARNESS


< DTC/CIRCUIT DIAGNOSIS >

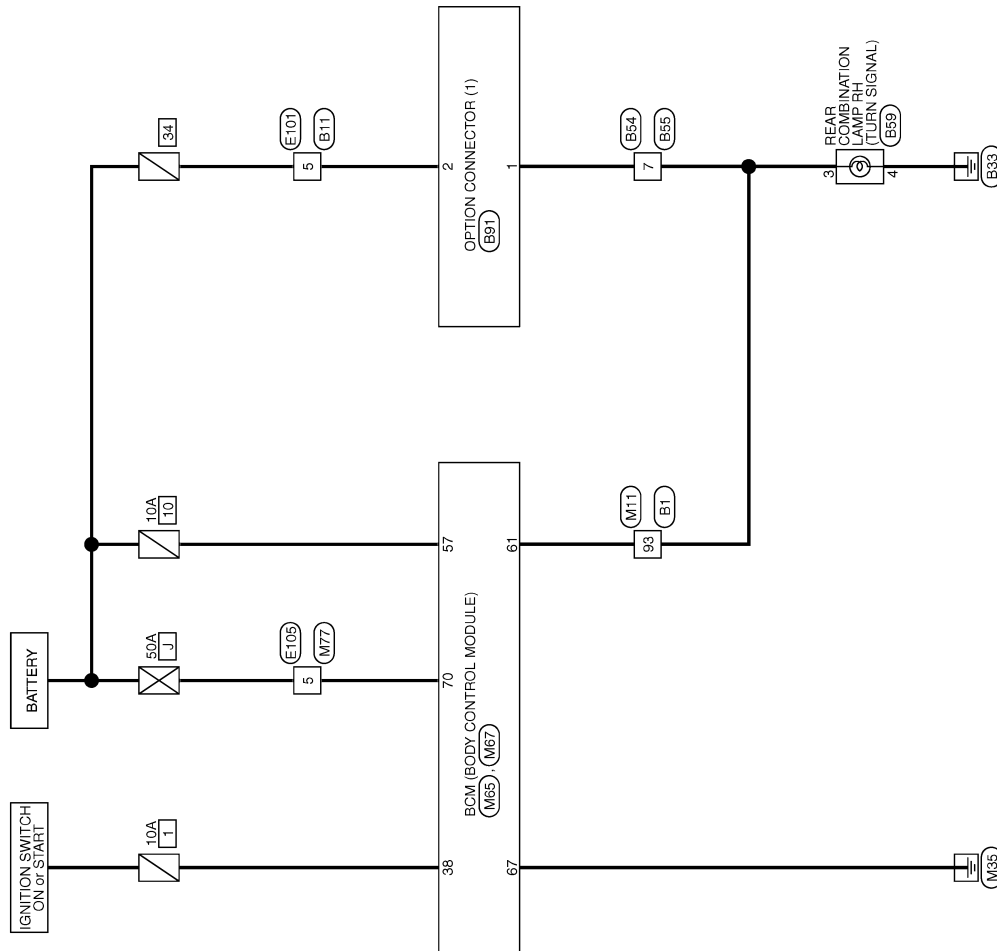
[POWER SUPPLY & GROUND CIRCUIT]

## OPTION HARNESS

### Wiring Diagram - OPTION HARNESS -

INFOID:000000008278127

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



OPTION HARNESS

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JRMWD1886GB

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

PG

# HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]






## HARNESS LAYOUT

### How To Read Harness Layout

INFOID:000000008278128

### CONNECTOR SYMBOL

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

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

JPMIA0114GB

# HARNES LAYOUT

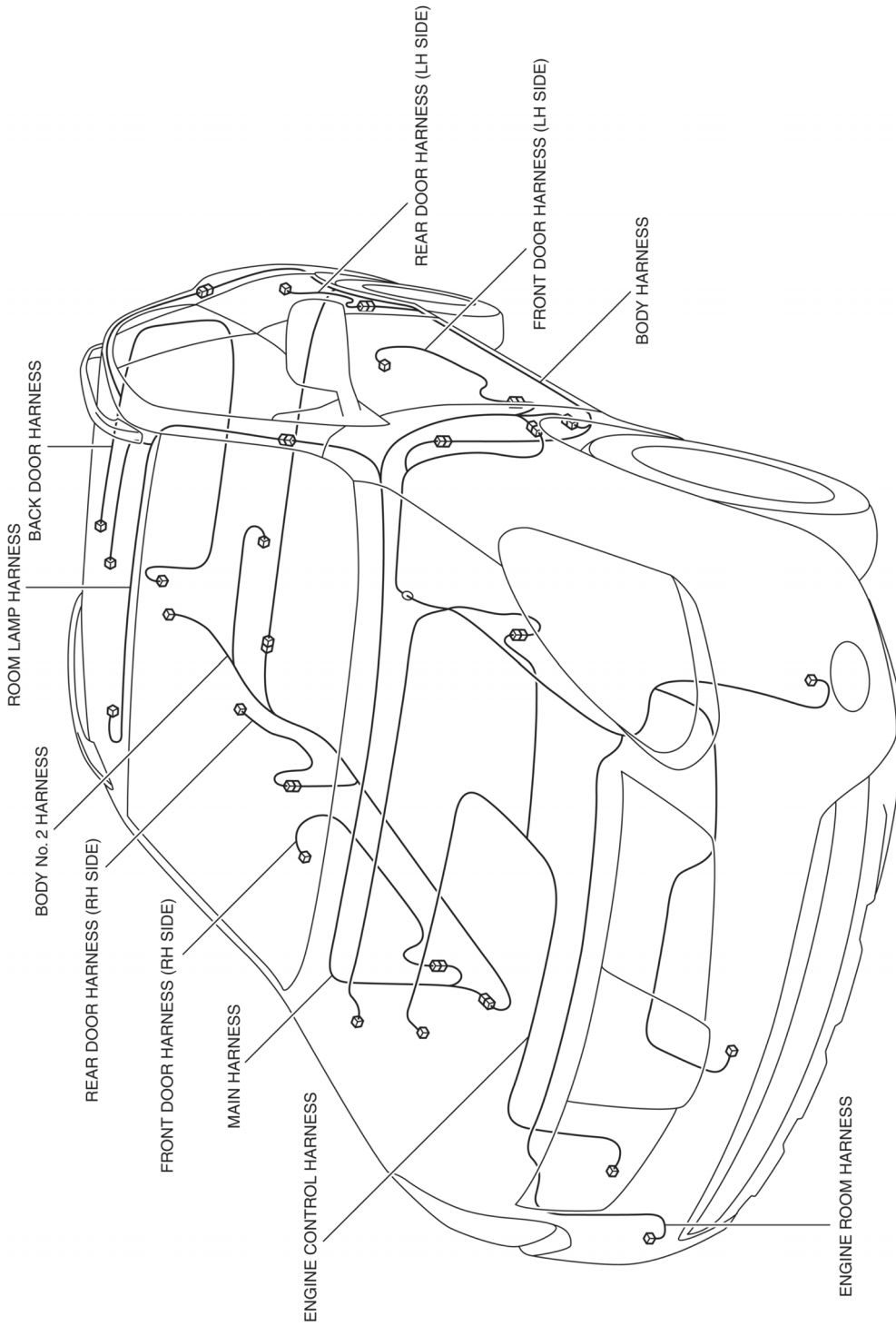
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Outline

INFOID:000000008680952

OUTLINE



2012/05/23

JRMIC1608GB

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

# HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

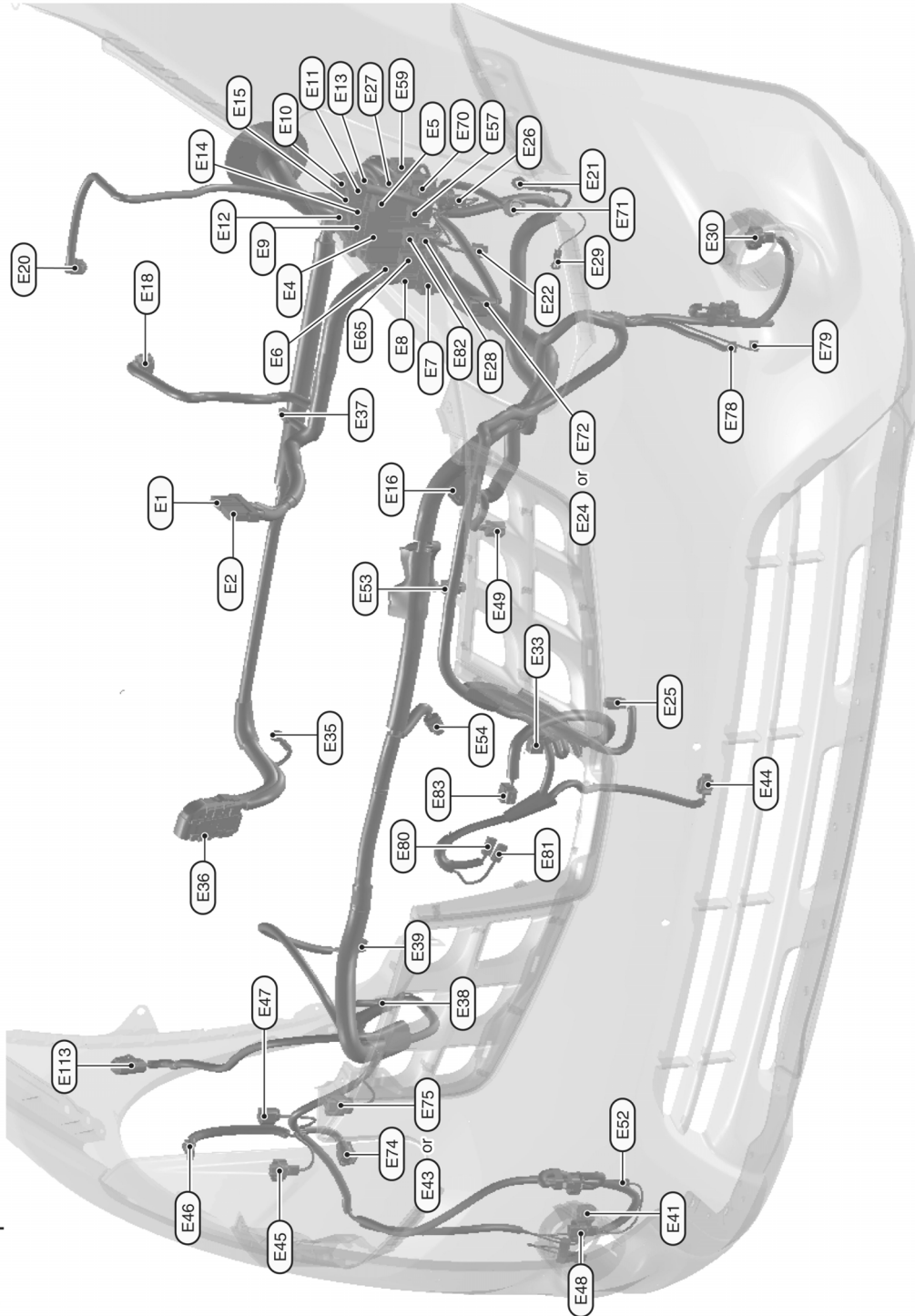
[POWER SUPPLY & GROUND CIRCUIT]

## Engine Room Harness

INFOID:000000008278129

### ENGINE COMPARTMENT

ENGINE ROOM HARNESS /  
Engine Compartment



JRMIC1610GB

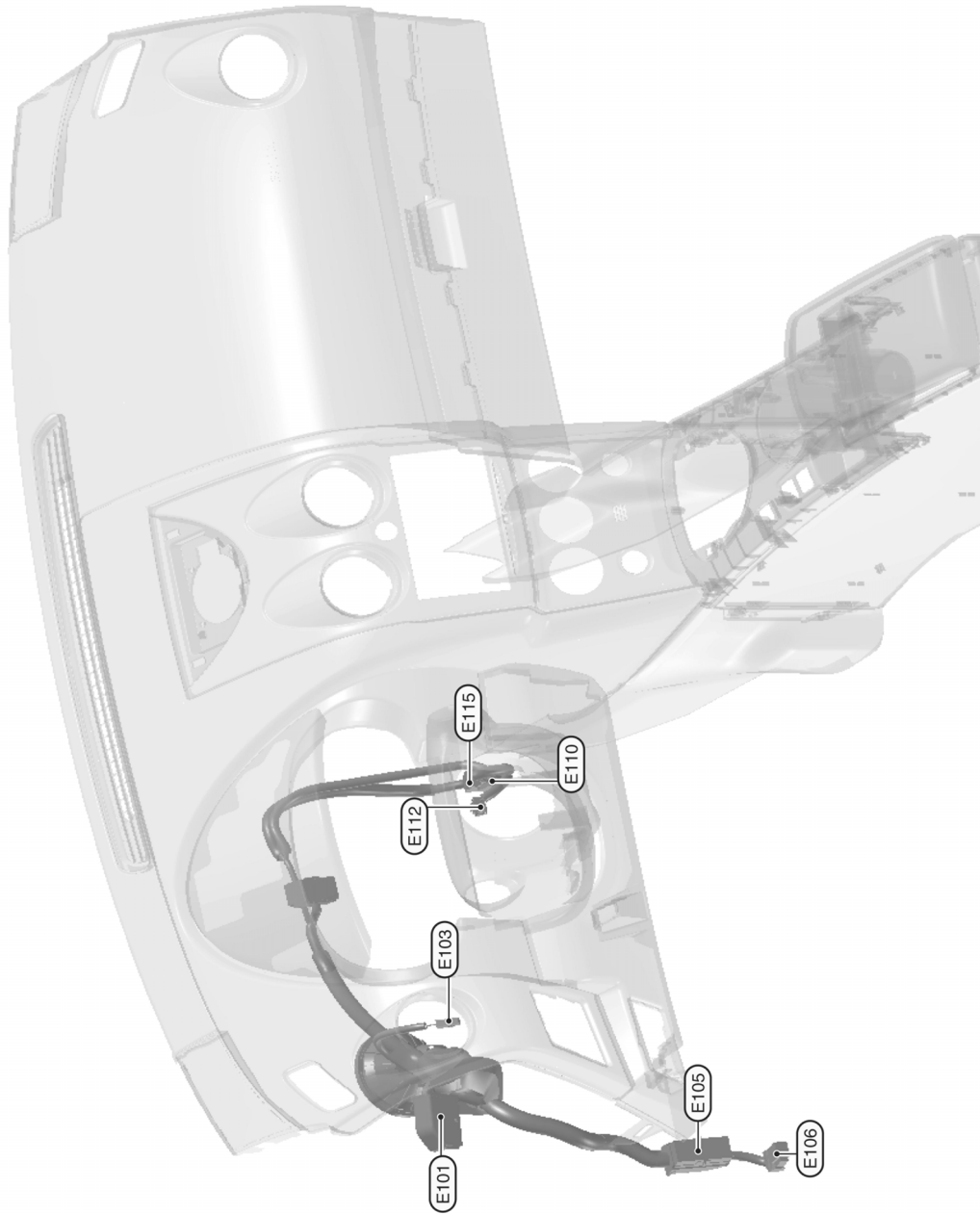
2012/05/23

# HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >  
PASSENGER COMPARTMENT

[POWER SUPPLY & GROUND CIRCUIT]

Passenger Compartment



2012/05/23

JRMIC1611GB

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

# HARNES LAYOUT

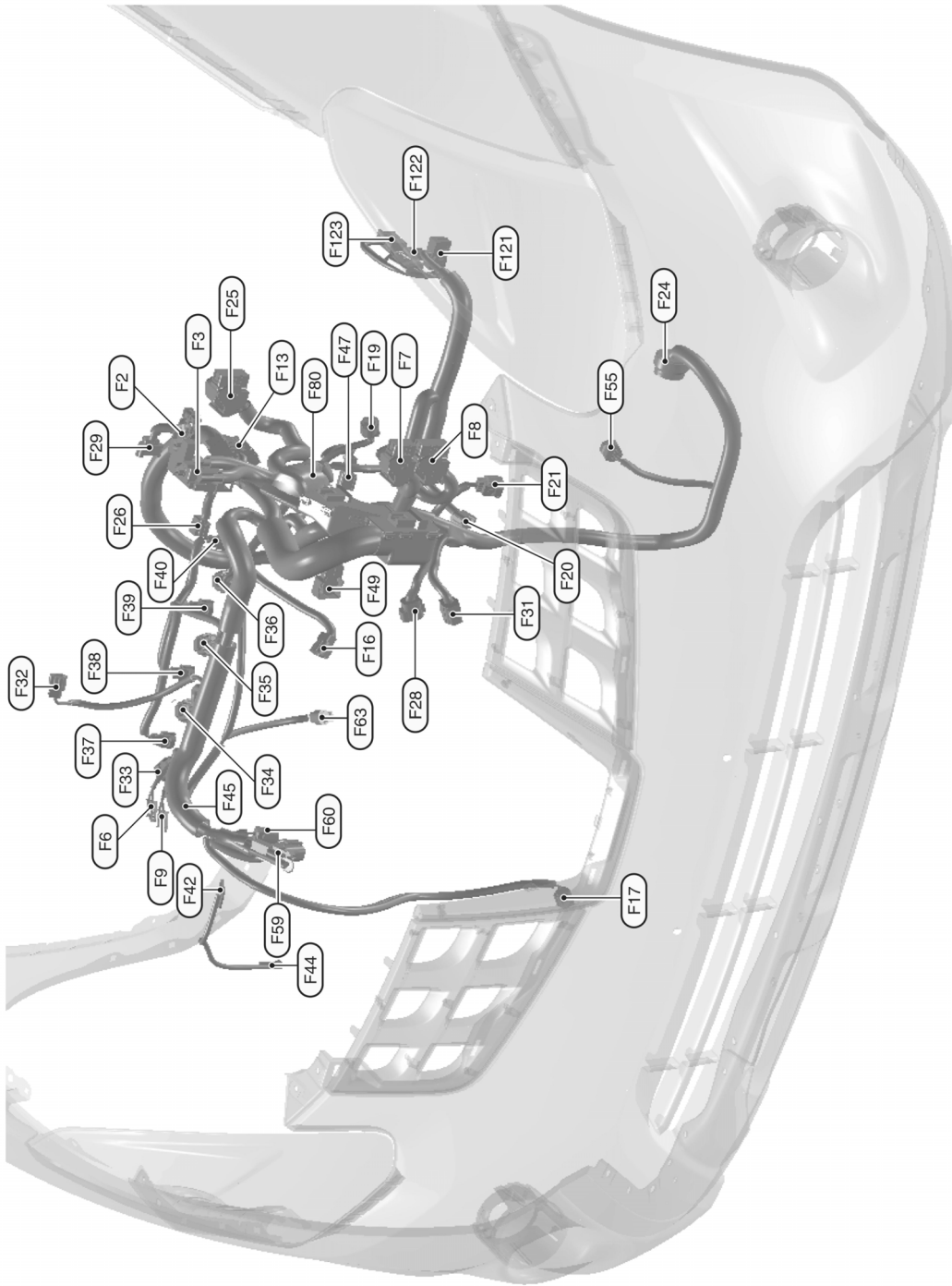
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Engine Control Harness

INFOID:000000008278130

ENGINE CONTROL HARNESS



2012/05/23

JRMIC1612GB



# HARNESS LAYOUT

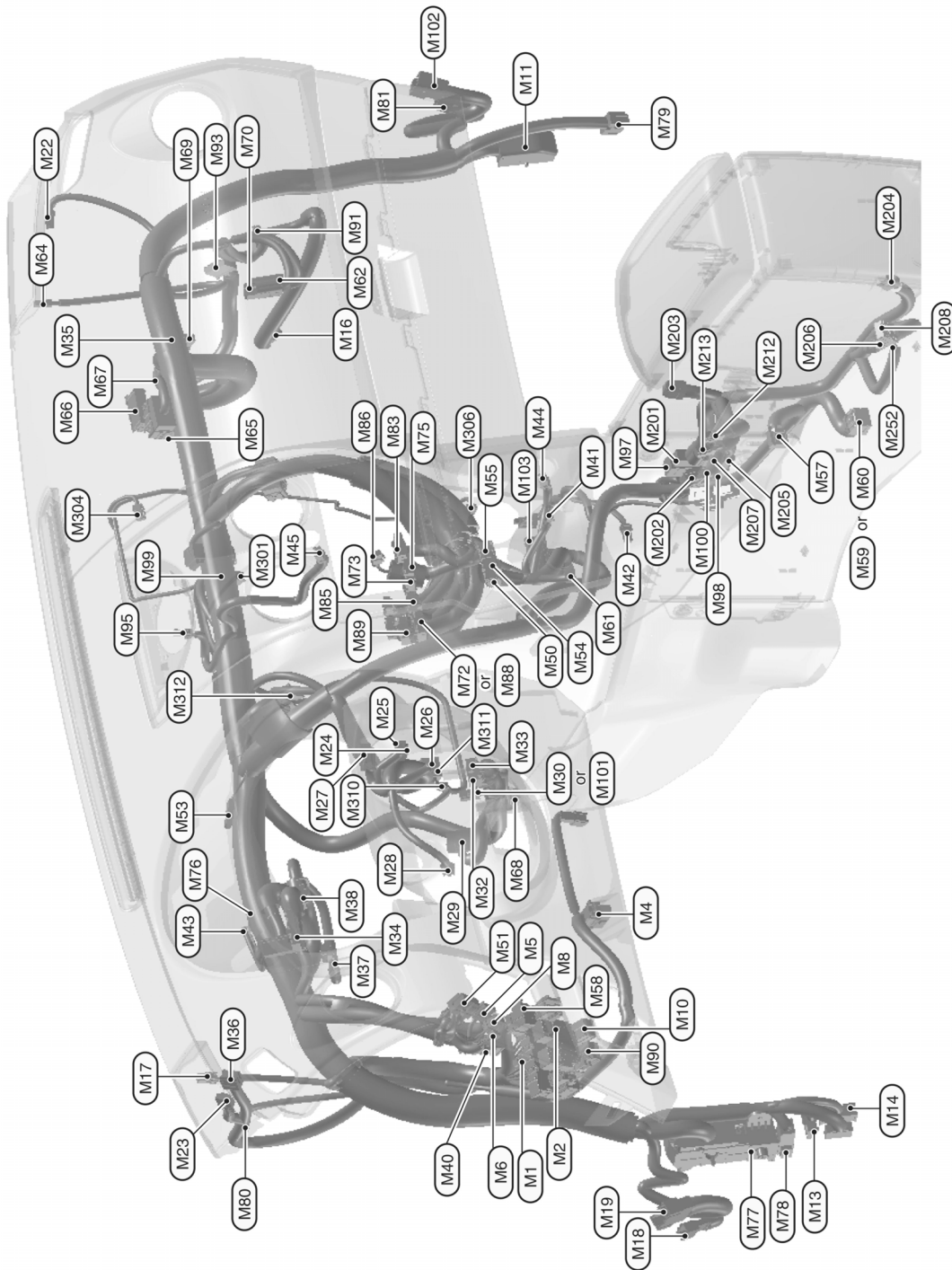
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Main Harness

INFOID:000000008278131

MAIN HARNESS



2012/05/23

JRMIC1609GB

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

# HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

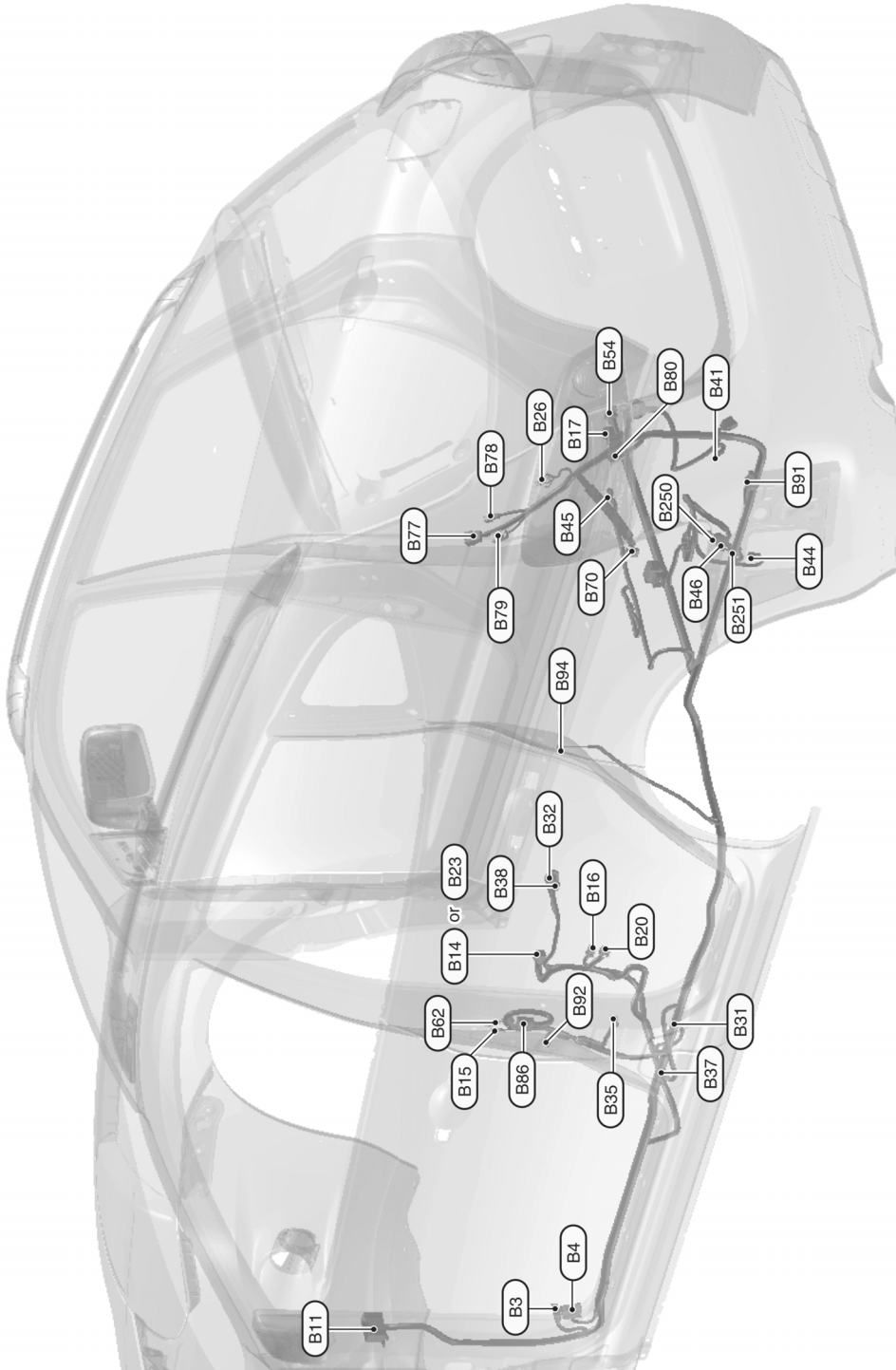
[POWER SUPPLY & GROUND CIRCUIT]

## Body Harness

INFOID:000000008278132

### BODY HARNESS

BODY HARNESS



2012/05/23

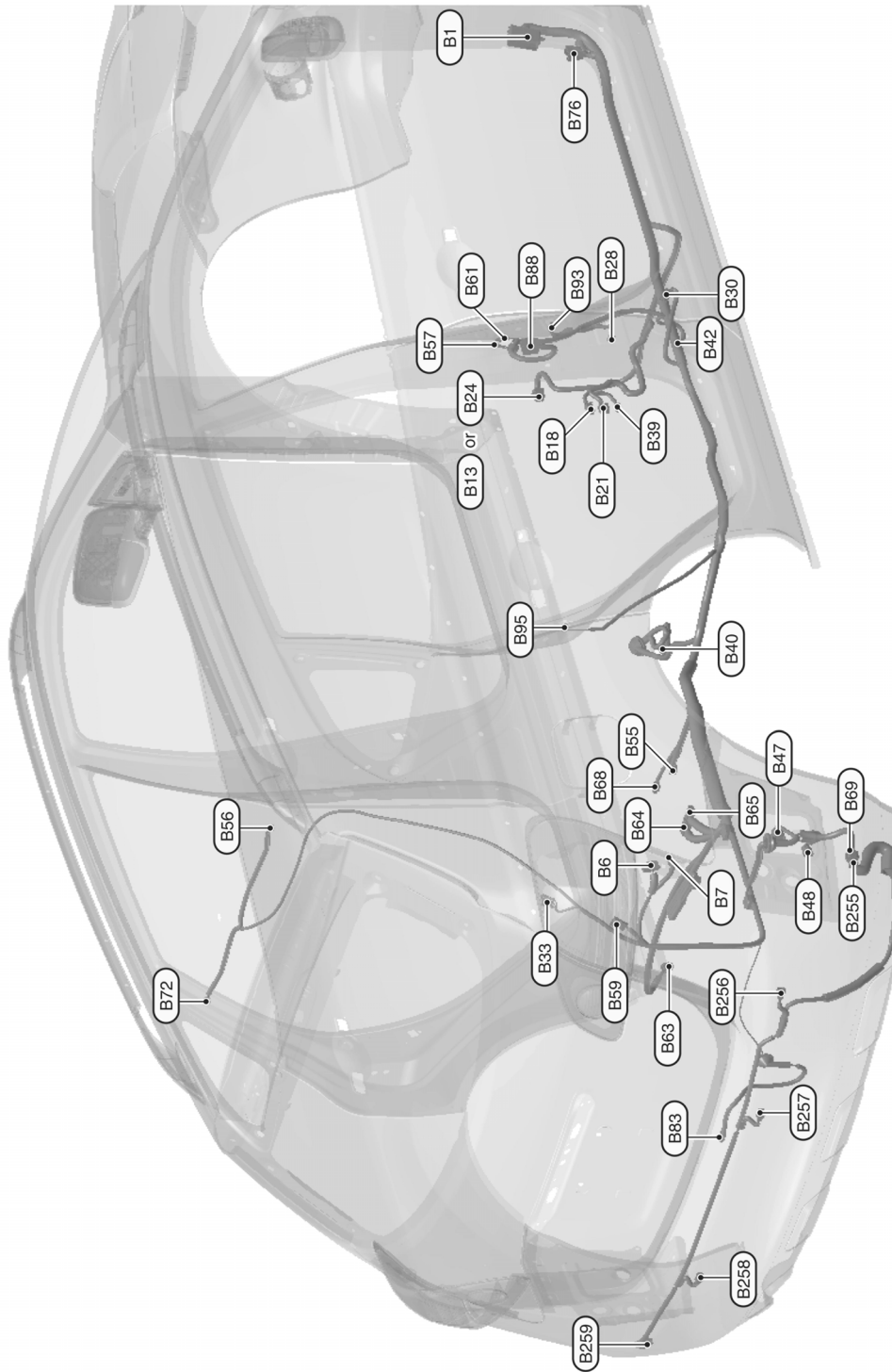
JRMIC1613GB

# HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BODY No.2 HARNES



BODY No. 2 HARNES

2012/05/23

JRMIC1614GB

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

# HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

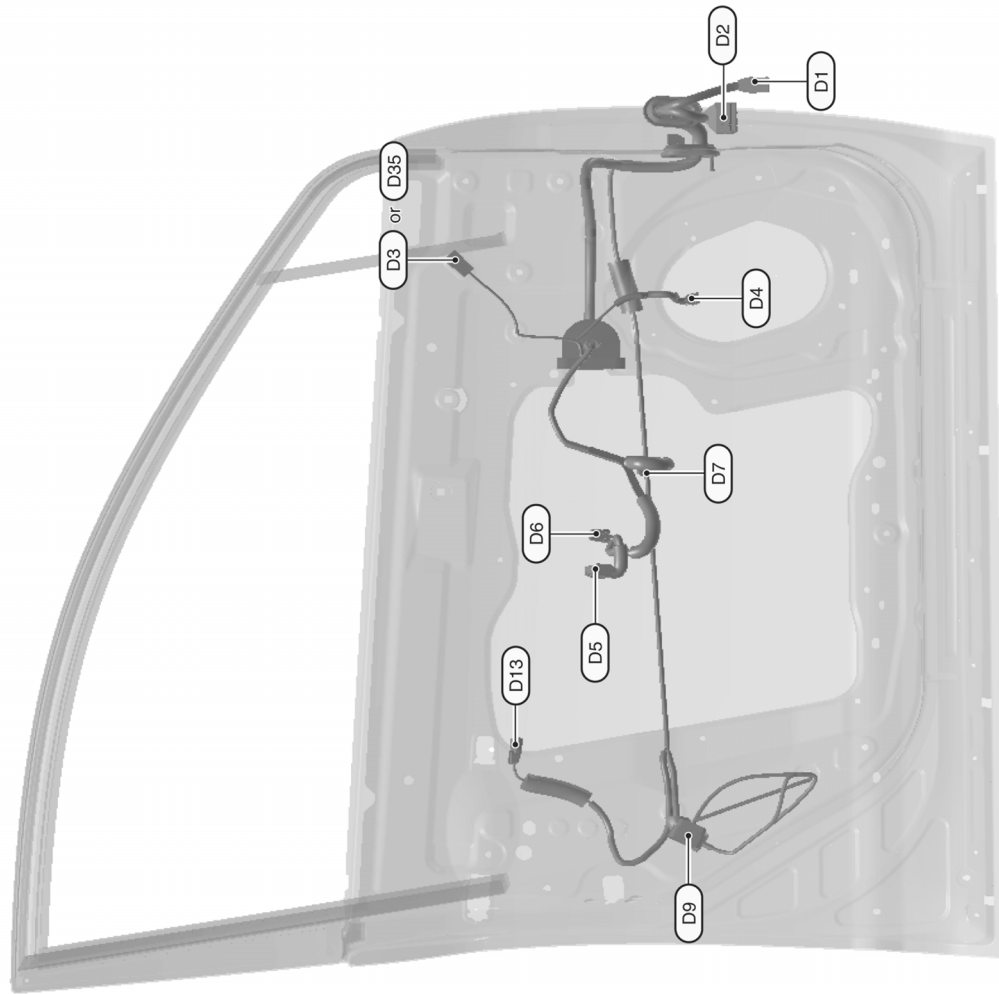
[POWER SUPPLY & GROUND CIRCUIT]

## Door Harness

INFOID:000000008278133

### FRONT DOOR HARNESS (LH SIDE)

FRONT DOOR HARNESS (LH SIDE)



2012/05/23

JRMIC1616GB

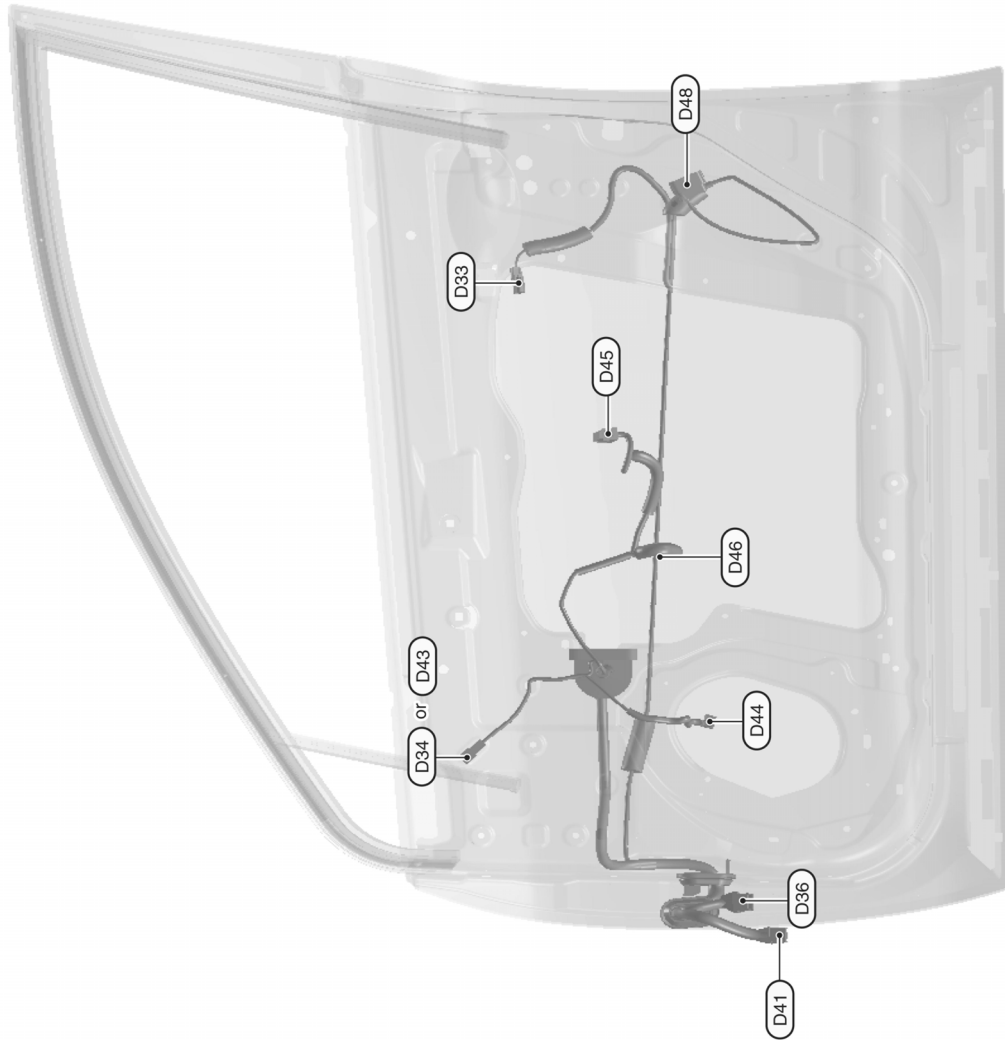
# HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## FRONT DOOR HARNESS (RH SIDE)

FRONT DOOR HARNESS (RH SIDE)



2012/05/23

JRMIC1617GB

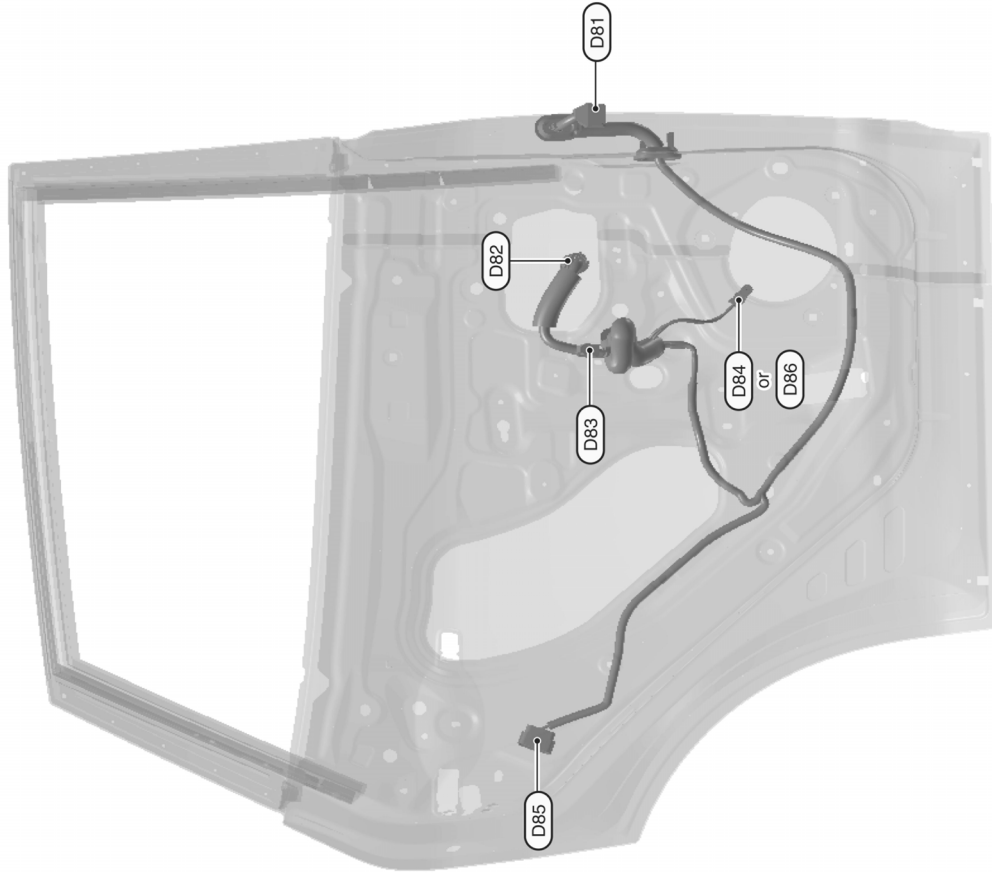
A  
B  
C  
D  
E  
F  
G  
H  
I  
J  
K  
L  
PG  
N  
O  
P

# HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## REAR DOOR HARNESS (LH SIDE)



REAR DOOR HARNESS (LH SIDE)

2012/05/23

JRMIC1618GB

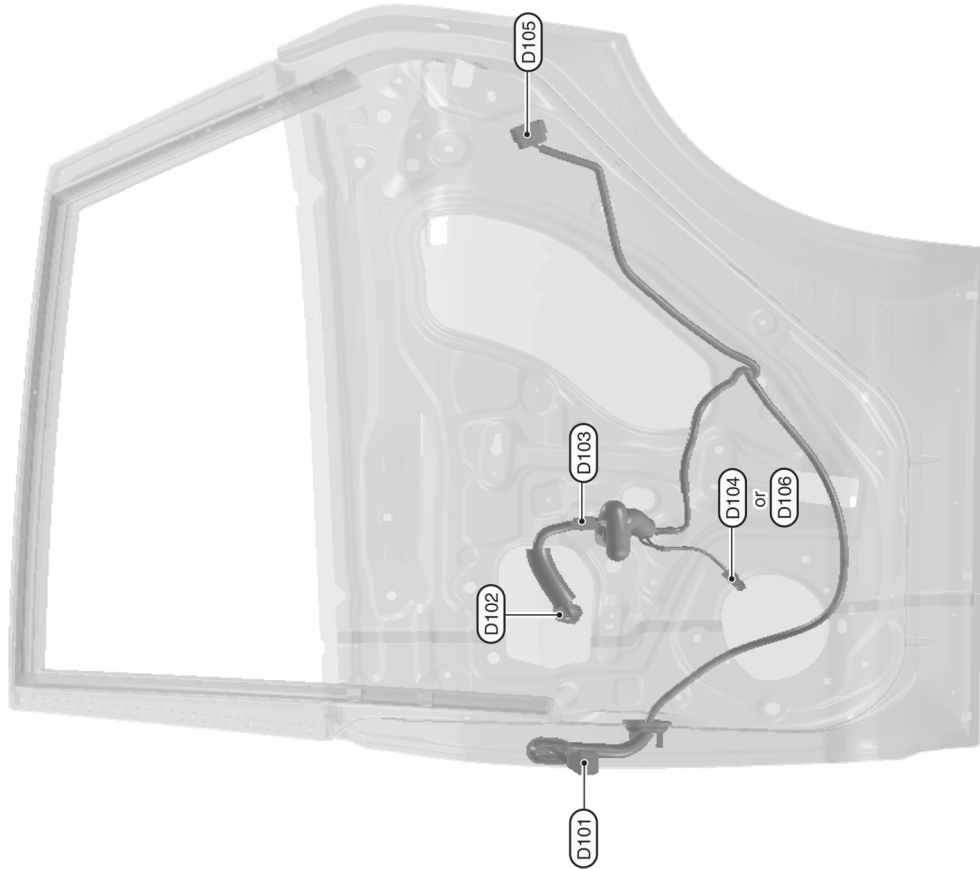
# HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

REAR DOOR HARNESS (RH SIDE)

REAR DOOR HARNESS (RH SIDE)



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

2012/05/23

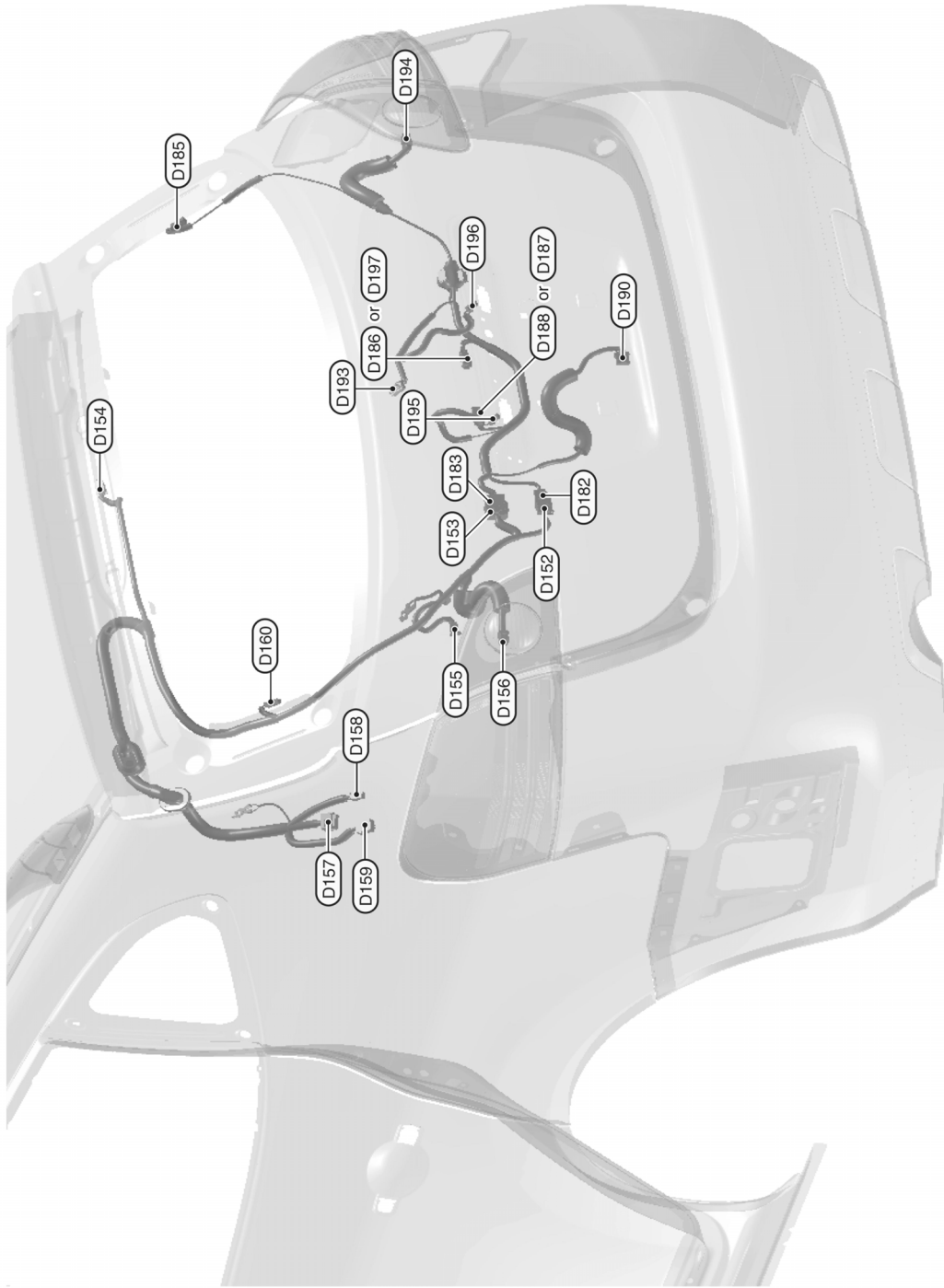
JRMIC1619GB

# HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BACK DOOR HARNESS



BACK DOOR HARNESS

2012/05/23

JRMIC1620GB



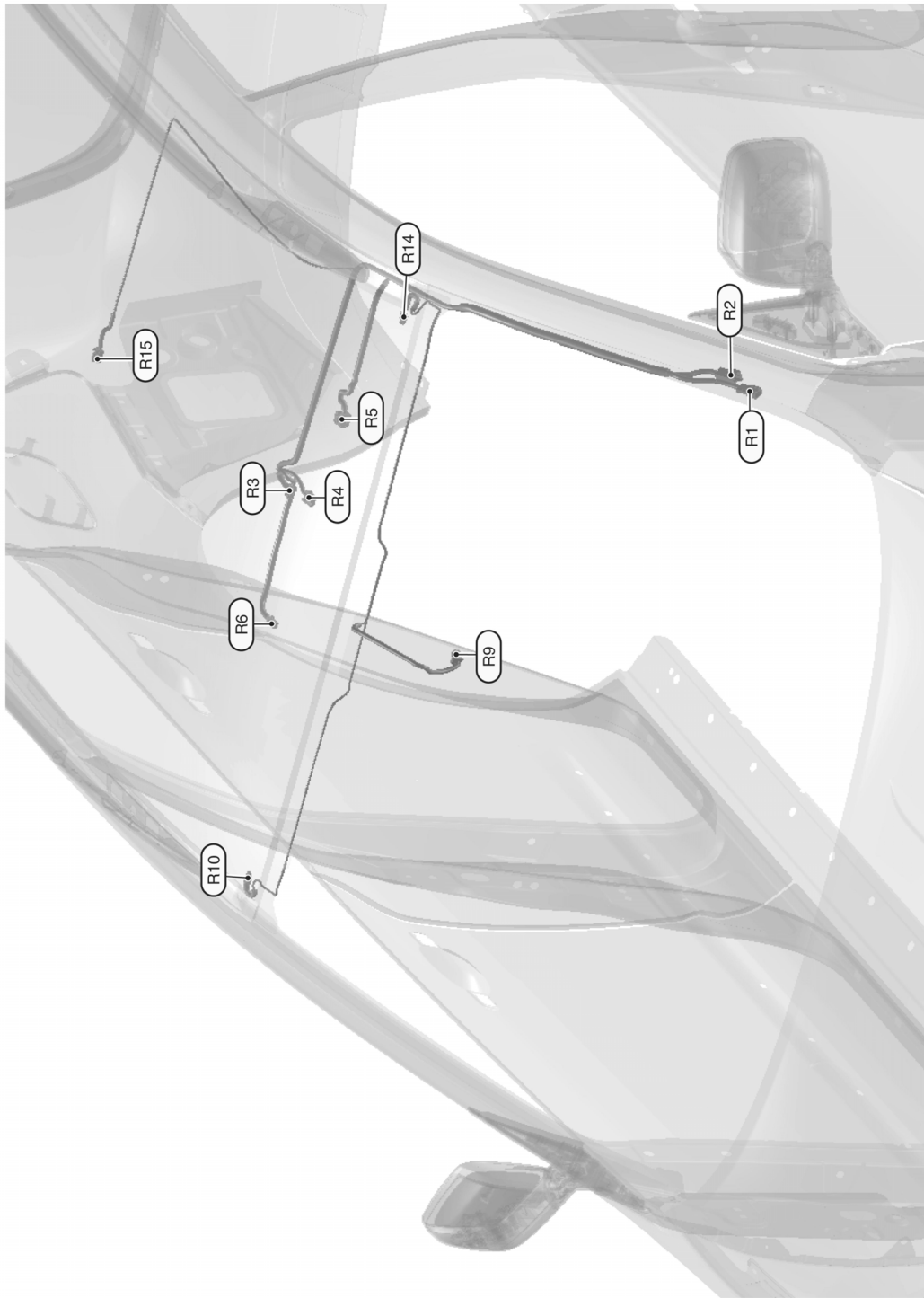
# HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Room Lamp Harness

INFOID:000000008278134



ROOM LAMP HARNESS

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

2012/05/23

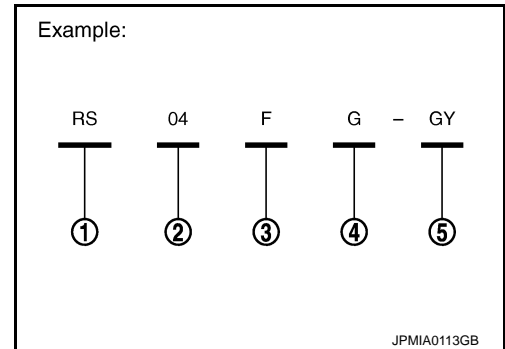
JRMIC1615GB

## CONNECTOR INFORMATION

### How to Read Connector Type

INFOID:000000008278135

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



# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

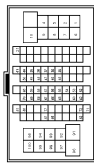
[POWER SUPPLY & GROUND CIRCUIT]

## B Body Harness

INFOID:000000008278136

### BODY HARNESS

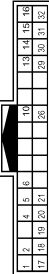
Connector No.	B1
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS1E-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	BR	-
3	G	-
4	L	-
6	BR	-
7	Y	-
8	LG	-
9	BR	-
10	BR	-
21	R	-
35	SHIELD	-
36	R	-
37	LG	-
38	SHIELD	-
39	B	-
40	G	-
41	R	-
45	L	-
46	W	-
47	SHIELD	-
48	V	-
49	W	-
50	SHIELD	-
52	L	-
53	G	-
54	L	-
55	V	-
56	LG	-
57	SB	-
58	W	-
59	B	-
60	SB	-
62	GR	-
63	W	-
65	SHIELD	-
66	BR	-
67	LG	-

68	SB	-
69	SHIELD	-
70	W	-
71	W	-
72	Y	-
77	L	-
80	R	-
81	W	-
82	GR	-
86	Y	-
87	P	-
91	GR	-
92	R	-
93	GR	-
94	G	-
95	BG	-
96	Y	-
97	SB	-
98	Y	-
99	V	-
100	L	-

Connector No.	B3
Connector Name	WIRE TO WIRE
Connector Type	TH432MW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	G	-
4	R	-
5	W	-
6	G	-
10	G	-
12	Y	-
14	BR	-
15	P	-
16	W	-
17	LG	-
18	R	-
19	SB	-
20	B	-
21	SHIELD	-

26	P	-
29	L	-
30	V	-
31	GR	-
32	LG	-

Connector No.	B4
Connector Name	WIRE TO WIRE
Connector Type	NS10MW-CS



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

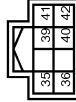
Connector No.	B6
Connector Name	TEL ADAPTER UNIT
Connector Type	TH32FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	BAT
2	SB	ACC

3	W	IGN
4	B	GND
7	SHIELD	MICROPHONE SIGNAL (+)
8	SHIELD	MICROPHONE SIGNAL (-)
9	BR	SOUND SIGNAL (+)
10	Y	SOUND SIGNAL (-)
11	V	TEL ON SIGNAL
12	W	STEERING SW SIGNAL A
13	Y	STEERING SW SIGNAL B
14	GR	STEERING SW SIGNAL GND
17	W	STEERING SW SIGNAL A
18	L	STEERING SW SIGNAL B
19	GR	STEERING SW SIGNAL GND
20	B	CONTROL SIGNAL
21	B	CONTROL SIGNAL
22	B	CONTROL SIGNAL
23	B	CONTROL SIGNAL
24	B	CONTROL SIGNAL
27	B	CONTROL SIGNAL
28	G	VEHICLE SPEED SIGNAL (+PULSE) (With audio)
28	L	VEHICLE SPEED SIGNAL (-PULSE) (With audio)
29	W	MICROPHONE POWER

Connector No.	B7
Connector Name	TEL ADAPTER UNIT
Connector Type	TH08FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
35	SB	AV COMMUNICATION SIGNAL (R)
36	LG	AV COMMUNICATION SIGNAL (L)
38	LG	AV COMMUNICATION SIGNAL (R)
40	LG	AV COMMUNICATION SIGNAL (R)
41	SB	AV COMMUNICATION SIGNAL (L)
42	SB	AV COMMUNICATION SIGNAL (L)

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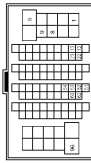
# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

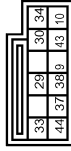
## BODY HARNESS

Connector No.	B11
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS1E-TM4



32	L	SIDE INF RH+
35	BR	SIDE SENS RH+
36	Y	SIDE SENS RH-
38	GR	ELR 2 RH+
40	P	ELR 2 RH+

Connector No.	B14
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	TK1ZFY-2V-EX



Terminal No.	Color of Wire	Signal Name [Specification]
9	Y	ELR LH+
10	SB	ELR LH-
29	LG	INF CURTAIN RR LH+
30	V	INF CURTAIN RR LH-
33	W	SIDE INF LH+
34	L	SIDE INF LH-
37	G	SIDE SENS LH+
38	R	SIDE SENS LH-
43	GR	ELR LH2-
44	P	ELR 2 LH+

Connector No.	B16
Connector Name	SIDE AIR BAG MODULE LH
Connector Type	TK0ZFY-EX-IV



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

Connector No.	B17
Connector Name	WIRE TO WIRE
Connector Type	TH04MY-BD



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

Connector No.	B18
Connector Name	SIDE AIR BAG MODULE RH
Connector Type	TK0ZFY-EX-IV



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

Connector No.	B20
Connector Name	WIRE TO WIRE
Connector Type	NS09FW-CS



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

3	GR	-
4	W	-
5	B	-
5	SHIELD	-
6	B	-

Connector No.	B21
Connector Name	WIRE TO WIRE
Connector Type	NS09FW-CS



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

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# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BODY HARNESS

Connector No.	B23	Color of Wire		Signal Name [Specification]	Connector No.	B37	Color of Wire		Signal Name [Specification]
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT				Connector Name	SATELLITE SENSOR LH			
Connector Type	NH2ZF7-2V-EX				Connector Type	HK02FY-1V-EX			
Terminal No.	12	Color of Wire	Y	ELR LH+	Terminal No.	1	Color of Wire	G	Signal Name [Specification]
	13	SB		ELR LH-		2	G		
	16	P		ELR 2 LH+		1	G		
	17	GR		ELR LH-		2	R		
	30	BR		BUCKLE SW LH	Connector No.	B38	Color of Wire		Signal Name [Specification]
	33	W		SIDE INF LH+	Connector Name	INSTRUMENT CLUSTER / RECL. O SENSOR			
	34	L		SIDE INF LH-	Connector Type	SG208FB			
	37	LG		INF CURTAIN PRR LH+					
	38	V		INF CURTAIN PRR LH-	Terminal No.	2	Color of Wire	W	Signal Name [Specification]
	49	G		SIDE SENS LH+		4	B		
	50	R		SIDE SENS LH-		5	G		
Connector No.	B24	Color of Wire		Signal Name [Specification]	Connector No.	B35	Color of Wire		Signal Name [Specification]
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT				Connector Name	SEAT BELT PRE-TENSIONER LH			
Connector Type	NH2ZF7-1V-EX				Connector Type	AGB02FY			
Terminal No.	10	Color of Wire	G	ELR RH+	Terminal No.	1	Color of Wire	GR	Signal Name [Specification]
	11	V		ELR RH-		2	B		
	14	P		ELR 2 RH+		3	R		
	15	GR		ELR 2 RH-		4	L		
	28	V		CGS INOUT		5	Y		
	29	LG		BUCKLE SW RH	Connector No.	B30	Color of Wire		Signal Name [Specification]
	31	W		SIDE INF RH+	Connector Name	SATELLITE SENSOR RH			
	32	L		SIDE INF RH-	Connector Type	HK02FY-1V-EX			
	35	R		INF CURTAIN PRR RH+					
	36	W		INF CURTAIN PRR RH-	Terminal No.	1	Color of Wire	BR	Signal Name [Specification]
	47	BR		SIDE SENS RH+		2	Y		
Connector No.	B31	Color of Wire		Signal Name [Specification]	Connector No.	B32	Color of Wire		Signal Name [Specification]
Connector Name	LAP PRE-TENSIONER LH				Connector Name	G SENSOR			
Connector Type	ACB02FOR				Connector Type	YD205FW			
Terminal No.	1	Color of Wire	Y	Signal Name [Specification]	Terminal No.	1	Color of Wire	P	Signal Name [Specification]
	2	SB				2	GR		
Connector No.	B33	Color of Wire		Signal Name [Specification]	Connector No.	B34	Color of Wire		Signal Name [Specification]
Connector Name	SEAT BELT PRE-TENSIONER RH				Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT			
Connector Type	ACB02FY				Connector Type	NH2ZF7-2V-EX			
Terminal No.	1	Color of Wire	Y	Signal Name [Specification]	Terminal No.	16	Color of Wire	Y	Signal Name [Specification]
	2	SB				17	SB		
Terminal No.	1	Color of Wire	G	Signal Name [Specification]	Terminal No.	18	Color of Wire	P	Signal Name [Specification]
	2	V				19	GR		
Terminal No.	1	Color of Wire	G	Signal Name [Specification]	Terminal No.	30	Color of Wire	BR	Signal Name [Specification]
	2	B				31	W		
Terminal No.	1	Color of Wire	GR	Signal Name [Specification]	Terminal No.	33	Color of Wire	W	Signal Name [Specification]
	2	L				34	L		
Terminal No.	1	Color of Wire	GR	Signal Name [Specification]	Terminal No.	37	Color of Wire	LG	Signal Name [Specification]
	2	Y				38	V		
Terminal No.	1	Color of Wire	Y	Signal Name [Specification]	Terminal No.	49	Color of Wire	G	Signal Name [Specification]
	2	BR				50	R		
Terminal No.	1	Color of Wire	Y	Signal Name [Specification]	Terminal No.	1	Color of Wire	Y	Signal Name [Specification]
	2	SB				2	SB		

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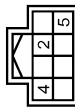
# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BODY HARNESS

Connector No.	B33
Connector Name	OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT
Connector Type	TH8BFW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
2	V	COMMUNICATION
4	R	IGN
5	B	GND

Connector No.	B40
Connector Name	FUEL LEVEL SENSOR UNIT AND FUEL PUMP
Connector Type	EG3FGY-RS

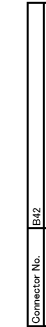


Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	BG	-
3	B	-
4	G	-
5	BR	-

Connector No.	B41
Connector Name	REAR WHEEL SENSOR RH
Connector Type	PK02FGY



Terminal No.	Color of Wire	Signal Name [Specification]
7	V	-
8	SB	-



Connector No.	B42
Connector Name	LAP PRE-TENSIONER RH
Connector Type	ACB02FOR



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

Connector No.	B44
Connector Name	REAR WHEEL SENSOR LH
Connector Type	PK02FGY



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

Connector No.	B45
Connector Name	INSIDE KEY ANTENNA (REAR SEAT)
Connector Type	PK02FGY



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

Connector No.	B46
Connector Name	WIRE TO WIRE
Connector Type	RS02MB



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

Connector No.	B47
Connector Name	EVAP CONTROL SYSTEM PRESSURE SENSOR
Connector Type	EG3FGY-RS



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

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

Connector No.	B48
Connector Name	EVAP CANISTER VENT CONTROL VALVE
Connector Type	EG2FB-RS



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

Connector No.	B54
Connector Name	WIRE TO WIRE
Connector Type	NS12MW-CS



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

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# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BODY HARNESS

Connector No.	B55
Connector Name	WIRE TO WIRE
Connector Type	NS1ZFW-CS



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

Connector No.	B56
Connector Name	CURTAIN AIR BAG MODULE RH
Connector Type	AGB02FY



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

Connector No.	B59
Connector Name	REAR COMBINATION LAMP RH
Connector Type	NS04MW-CS



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

Connector No.	B63
Connector Name	WOOFER
Connector Type	RS06FGY-PR



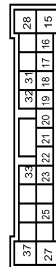
Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	SOUND SIGNAL WOOFER (-)
2	Y	SOUND SIGNAL WOOFER (+)
3	SHIELD	SHIELD
4	G	WOOFER AMP ON SIGNAL
5	B	GND
6	SB	BAT

Connector No.	B64
Connector Name	BOSE AMP.
Connector Type	SCA1ZFBR-SJAZ



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	SOUND SIGNAL REAR SPEAKER LH (+)
2	GR	SOUND SIGNAL REAR SPEAKER RH (+)
3	Y	SOUND SIGNAL REAR SPEAKER RH (-)
4	B	SOUND SIGNAL FRONT SPEAKER LH (+)
5	P	SOUND SIGNAL FRONT SPEAKER LH (-)
6	BR	SOUND SIGNAL TWEETER LH (+)
7	GR	SOUND SIGNAL TWEETER LH (-)
8	G	SOUND SIGNAL FRONT SPEAKER RH (+)
9	Y	SOUND SIGNAL WOOFER (+)
10	R	SOUND SIGNAL REAR SPEAKER LH (-)
11	W	BAT
12	B	GND
13	R	SOUND SIGNAL FRONT SPEAKER RH (-)
14	BR	SOUND SIGNAL WOOFER (-)

Connector No.	B65
Connector Name	BOSE AMP.
Connector Type	SCA18FBR-SG44



Terminal No.	Color of Wire	Signal Name [Specification]
16	V	SOUND SIGNAL CENTER SPEAKER (+)
17	B	SHIELD
18	R	SOUND SIGNAL FRONT LH (+)
19	B	SOUND SIGNAL FRONT RH (+)
20	W	SOUND SIGNAL FRONT RH (-)
21	V	SOUND SIGNAL REAR LH (+)
22	LG	SOUND SIGNAL REAR LH (-)

23	W	SOUND SIGNAL REAR RH (+)
25	G	WOOFER AMP ON SIGNAL
27	W	SOUND SIGNAL TWEETER RH (-)
28	LG	SOUND SIGNAL CENTER SPEAKER (-)
31	L	AMP ON SIGNAL
32	G	SOUND SIGNAL FRONT LH (-)
33	R	SOUND SIGNAL REAR RH (-)
37	Y	SOUND SIGNAL TWEETER RH (+)

Connector No.	B68
Connector Name	WIRE TO WIRE
Connector Type	TR04FY



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

Connector No.	B69
Connector Name	WIRE TO WIRE
Connector Type	RS06FB



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

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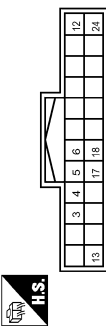
# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BODY HARNESS

Connector No.	B70
Connector Name	SONAR CONTROL UNIT
Connector Type	THZFEW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
3	L	CENTER SENSOR SIGNAL LH
4	BR	CENTER SENSOR SIGNAL RH
5	Y	SONAR-RR LH
6	G	SONAR-RR RH
12	W	SENS.GND
13	G	IGNITION POWER SUPPLY
17	SB	REVERSE SIGNAL
18	P	K LINE
24	B	GND

Connector No.	B72
Connector Name	CURTAIN AIR BAG MODULE LH
Connector Type	ACB02FOR



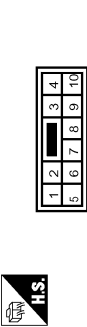
Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	
2	V	

Connector No.	B76
Connector Name	WIRE TO WIRE
Connector Type	NS12MW-CS



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

Connector No.	B77
Connector Name	WIRE TO WIRE
Connector Type	NS10MW-CS



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

Connector No.	B78
Connector Name	WIRE TO WIRE
Connector Type	TH88MW-NH



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

Connector No.	B79
Connector Name	WIRE TO WIRE
Connector Type	MO8MW-LC



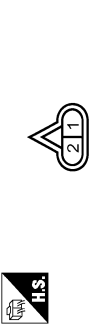
Terminal No.	Color of Wire	Signal Name [Specification]
2	G	
3	B	
4	W	

Connector No.	B80
Connector Name	REAR COMBINATION LAMP LH
Connector Type	NS84MW-CS



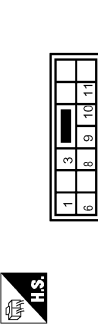
Terminal No.	Color of Wire	Signal Name [Specification]
1	R	
2	Y	
3	BR	
4	B	

Connector No.	B83
Connector Name	OUTSIDE KEY ANTENNA REAR BUMPER
Connector Type	RK02FGY



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

Connector No.	B86
Connector Name	WIRE TO WIRE
Connector Type	NS12MW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	
3	L	
6	G	
8	R	
9	LG	
10	Y	
11	L	



# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BODY HARNESS

Connector No. B188	WIRE TO WIRE	Connector No. B255	WIRE TO WIRE
Connector Name NS1ZMM-CS		Connector Name RS30MB	
Connector Type HS		Connector Type HS	
Terminal No.	Color of Wire	Terminal No.	Color of Wire
1	V	1	LG
3	GR	2	SB
6	G	3	P
8	Y	5	R
9	LG	6	BR
10	Y		
11	L		
Signal Name [Specification]		Signal Name [Specification]	
Connector No. B191	WIRE TO WIRE	Connector No. B256	CORNER SENSOR REAR RH
Connector Name M02FW-LC		Connector Name YDX02FB	
Connector Type HS		Connector Type HS	
Terminal No.	Color of Wire	Terminal No.	Color of Wire
1	GR	1	BR
2	L	2	R
Signal Name [Specification]		Signal Name [Specification]	
Connector No. B182	FRONT DOOR SWITCH (DRIVER SIDE)	Connector No. B185	REAR DOOR SWITCH RH
Connector Name TH04FW-NH		Connector Name TH04FW-NH	
Connector Type HS		Connector Type HS	
Terminal No.	Color of Wire	Terminal No.	Color of Wire
3	P	3	L
Signal Name [Specification]		Signal Name [Specification]	
KEY CYL LOCK SW		DR SW RR	
Connector No. B183	FRONT DOOR SWITCH (PASSENGER SIDE)	Connector No. B250	WIRE TO WIRE
Connector Name TH04FW-NH		Connector Name RS30ZFB	
Connector Type HS		Connector Type HS	
Terminal No.	Color of Wire	Terminal No.	Color of Wire
3	BR	1	LG
Signal Name [Specification]		Signal Name [Specification]	
DR SW AS			
Connector No. B184	REAR DOOR SWITCH LH	Connector No. B251	AWD SOLENOID
Connector Name TH04FW-NH		Connector Name RS30ZFY	
Connector Type HS		Connector Type HS	
Terminal No.	Color of Wire	Terminal No.	Color of Wire
3	GR	1	LG
Signal Name [Specification]		Signal Name [Specification]	
DR SW RL			

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# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BODY HARNESS

Connector No.	B257
Connector Name	CENTER SENSOR REAR RH
Connector Type	YDX02FB



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

Connector No.	B258
Connector Name	CENTER SENSOR REAR LH
Connector Type	YDX02FB



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

Connector No.	B259
Connector Name	CORNER SENSOR REAR LH
Connector Type	YDX02FB



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

Connector No.	B301
Connector Name	FUEL LEVEL SENSOR UNIT AND FUEL PUMP
Connector Type	AD2FW



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

Connector No.	B401
Connector Name	WIRE TO WIRE
Connector Type	NS00MW-CS



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

Connector No.	B402
Connector Name	POWER SEAT SWITCH (DRIVER SIDE)
Connector Type	NS10FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	P	-
11	SHIELD	-
12	SHIELD	-
14	SHIELD	-
26	SHIELD	-
27	SHIELD	-
29	SHIELD	-
32	SHIELD	-

Connector No.	B404
Connector Name	SLIDING MOTOR (DRIVER SIDE)
Connector Type	F 609B-0344



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

Connector No.	B405
Connector Name	RECLINING MOTOR (DRIVER SIDE)
Connector Type	F 609B-0238



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

Connector No.	B406
Connector Name	LIFTING MOTOR (DRIVER SIDE)
Connector Type	F 609B-0238



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
















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# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BODY HARNESS

Connector No.	B407	Connector No.	B415	Connector No.	B428	Connector No.	B427	Connector No.	B425
Connector Name	WIRE TO WIRE	Connector Name	SEAT BACK HEATER (PASSENGER SIDE)	Connector Name	WIRE TO WIRE	Connector Name	LUMBAR SUPPORT SWITCH	Connector Name	WIRE TO WIRE
Connector Type	NS30MW-CS	Connector Type	NS30MW-CS	Connector Type	NS30MW-CS	Connector Type	NS30MW-CS	Connector Type	NS30MW-CS
									
Terminal No.	1 2 3	Terminal No.	2 3 4	Terminal No.	2 3 4	Terminal No.	1 2 3 4	Terminal No.	1 2 3 4
Color of Wire	W B GR	Color of Wire	Y B SHIELD	Color of Wire	Y B SHIELD	Color of Wire	SHIELD SHIELD SHIELD SHIELD	Color of Wire	SHIELD SHIELD SHIELD SHIELD
Signal Name [Specification]	- - -	Signal Name [Specification]	- - -	Signal Name [Specification]	- - -	Signal Name [Specification]	- - - -	Signal Name [Specification]	- - - -
Connector No.	B408	Connector No.	B416	Connector No.	B414	Connector No.	B414	Connector No.	B409
Connector Name	SEAT BACK HEATER (DRIVER SIDE)	Connector Name	SEAT BELT BUCKLE SWITCH (PASSENGER SIDE)	Connector Name	WIRE TO WIRE	Connector Name	WIRE TO WIRE	Connector Name	SEAT BELT BUCKLE SWITCH (DRIVER SIDE)
Connector Type	NS30MW-CS	Connector Type	TK03FW	Connector Type	NS30MW-CS	Connector Type	NS30MW-CS	Connector Type	TK03FW
									
Terminal No.	1 2 3 4	Terminal No.	1 2	Terminal No.	1 2 3	Terminal No.	1 2	Terminal No.	1 2
Color of Wire	GR B SHIELD	Color of Wire	LG B	Color of Wire	B LG Y SB B	Color of Wire	LG B	Color of Wire	SB B Y
Signal Name [Specification]	- - - -	Signal Name [Specification]	- -	Signal Name [Specification]	- - - -	Signal Name [Specification]	- -	Signal Name [Specification]	- -
Connector No.	B409	Terminal No.	1	Connector No.	B425	Terminal No.	1	Connector No.	B425
Connector Name	SEAT BELT BUCKLE SWITCH (DRIVER SIDE)	Color of Wire	SHIELD	Connector Name	WIRE TO WIRE	Color of Wire	SHIELD	Connector Name	WIRE TO WIRE
Connector Type	TK03FW	Signal Name [Specification]	-	Connector Type	NS30MW-CS	Color of Wire	SHIELD	Connector Type	NS30MW-CS
									
Terminal No.	1	Terminal No.	1	Terminal No.	1	Terminal No.	1	Terminal No.	1
Color of Wire	SHIELD	Color of Wire	SHIELD	Color of Wire	SHIELD	Color of Wire	SHIELD	Color of Wire	SHIELD
Signal Name [Specification]	-	Signal Name [Specification]	-	Signal Name [Specification]	-	Signal Name [Specification]	-	Signal Name [Specification]	-













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# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BODY HARNESS		Terminal No. of Wire		Color of Wire		Signal Name [Specification]	
Connector No.	B428	2	B				
Connector Name	LUMBAR SUPPORT MOTOR	3	Y				
Connector Type	TYAZAQ17283-1020						
							
							
Terminal No.	1	1	W				
	2	4	SHIELD				
Color of Wire	SHIELD						
Signal Name [Specification]							
Connector No.	B429						
Connector Name	WIRE TO WIRE						
Connector Type	NS30FW-CS						
							
							
Terminal No.	1	1	W				
	2						
	3						
Color of Wire	SHIELD						
Signal Name [Specification]							
Connector No.	B430						
Connector Name	WIRE TO WIRE						
Connector Type	NS30FW-CS						
							
							
Terminal No.	1	1	SB				
	2						
	3						
Color of Wire	SHIELD						
Signal Name [Specification]							
Connector No.	B431						
Connector Name	TEL ADAPTER UNIT						
Connector Type	GT16C-1S-TH						
							
							
Terminal No.	33						
	34						
Color of Wire	SHIELD						
Signal Name [Specification]							
Connector No.	B432						
Connector Name	SEAT CUSHION HEATER (PASSENGER SIDE)						
Connector Type	NS30FW-CS						
							
							
Terminal No.	1	1	W				
	4	4	SHIELD				
Color of Wire	SHIELD						
Signal Name [Specification]							
Connector No.	B433						
Connector Name	SEAT CUSHION HEATER (DRIVER SIDE)						
Connector Type	NS30FW-CS						
							
							
Terminal No.	1	1	W				
	4	4	SHIELD				
Color of Wire	SHIELD						
Signal Name [Specification]							
Terminal No.	1	1	SB				
	4	4	SHIELD				
Color of Wire	SHIELD						
Signal Name [Specification]							

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# CONNECTOR INFORMATION

## [POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >



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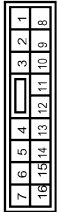
**DOOR HARNESS**

Connector No.	D1
Connector Name	WIRE TO WIRE
Connector Type	TH18FW-NH



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

Connector No.	D2
Connector Name	WIRE TO WIRE
Connector Type	NS18FW-CS



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

Connector No.	D3
Connector Name	DOOR MIRROR (DRIVER SIDE)
Connector Type	TH18MM-NH


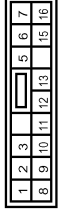
Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
2	G	-
3	L	-
4	Y	-
5	B	-

Connector No.	D4
Connector Name	FRONT SPEAKER LH
Connector Type	NS18ZFWS-CS



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

Connector No.	D5
Connector Name	POWER WINDOW MAIN SWITCH
Connector Type	NS18UPW-CS


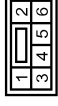
Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	Y	-
3	BG	-
4	G	-
5	Y	-
6	BR	-
7	LG	-
8	BR	-
9	V	-
10	L	-
11	GR	-
12	SB	-
13	R	-
15	G	-
16	W	-

Connector No.	D6
Connector Name	POWER WINDOW MAIN SWITCH
Connector Type	NS18UPW-CS



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

Connector No.	D7
Connector Name	FRONT POWER WINDOW MOTOR (DRIVER SIDE)
Connector Type	NS18UPW-CS

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

Connector No.	D9
Connector Name	FRONT DOOR LOCK ASSEMBLY (DRIVER SIDE)
Connector Type	EM18FY-RS

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

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# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## DOOR HARNESS

Connector No.	D13
Connector Name	OUTSIDE HANDLE ASSEMBLY (DRIVER SIDE)
Connector Type	RHD4MB



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

Connector No.	D33
Connector Name	OUTSIDE HANDLE ASSEMBLY (PASSENGER SIDE)
Connector Type	RHD4MB



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

Connector No.	D34
Connector Name	DOOR MIRROR (PASSENGER SIDE)
Connector Type	TH12MW-NH



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

Connector No.	D35
Connector Name	DOOR MIRROR (DRIVER SIDE)
Connector Type	TH12MW-NH



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

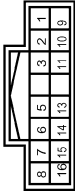
Connector No.	D36
Connector Name	WIRE TO WIRE
Connector Type	NS38FW-CS



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

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

Connector No.	D41
Connector Name	WIRE TO WIRE
Connector Type	TH16FW-NH



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

Connector No.	D43
Connector Name	DOOR MIRROR (PASSENGER SIDE)
Connector Type	TH68MK-NH



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

Connector No.	D44
Connector Name	FRONT SPEAKER RH
Connector Type	NS32FW-CS



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

Connector No.	D45
Connector Name	FRONT POWER WINDOW SWITCH (PASSENGER SIDE)
Connector Type	NS32FW-CS



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

# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## DOOR HARNESS

Connector No.	D48
Connector Name	FRONT POWER WINDOW MOTOR (PASSENGER SIDE)
Connector Type	NS32FW-CS



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

Connector No.	D48
Connector Name	FRONT DOOR LOCK ACTUATOR (PASSENGER SIDE)
Connector Type	EG8FGV-RS



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

Connector No.	D81
Connector Name	WIRE TO WIRE
Connector Type	NS32FW-CS



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

6	G	-
8	R	-
9	LG	-
10	Y	-
11	L	-

Connector No.	D82
Connector Name	REAR POWER WINDOW MOTOR LH
Connector Type	RS36FG-DGY



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

Connector No.	D83
Connector Name	REAR POWER WINDOW SWITCH LH
Connector Type	NS36FW-CS



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

Connector No.	D84
Connector Name	REAR SPEAKER LH
Connector Type	NS32FBF-CS



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

Connector No.	D85
Connector Name	REAR DOOR LOCK ACTUATOR LH
Connector Type	EG8FGV-RS



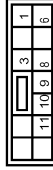
Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-
2	G	-

Connector No.	D86
Connector Name	REAR SPEAKER LH
Connector Type	NS32FW-CS



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

Connector No.	D101
Connector Name	WIRE TO WIRE
Connector Type	NS32FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-
3	GR	-
6	G	-
8	Y	-
9	LG	-
10	W	-
11	L	-

Connector No.	D102
Connector Name	REAR POWER WINDOW MOTOR RH
Connector Type	RS36FG-DGY



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

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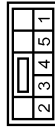
# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## DOOR HARNESS

Connector No.	D103
Connector Name	REAR POWER WINDOW SWITCH RH
Connector Type	NS38FW-CS



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

Connector No.	D104
Connector Name	REAR SPEAKER RH
Connector Type	NS32FBR-CS



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

Connector No.	D105
Connector Name	REAR DOOR LOCK ACTUATOR RH
Connector Type	EG8EGY-RS



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



Connector No.	D106
Connector Name	REAR SPEAKER RH
Connector Type	NS32FW-CS



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

Connector No.	D132
Connector Name	WIRE TO WIRE
Connector Type	M02FW-GY-4C



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

Connector No.	D153
Connector Name	WIRE TO WIRE
Connector Type	NS12FBR-CS



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

Connector No.	D154
Connector Name	HIGH-MOUNTED STOP LAMP
Connector Type	TK02FW



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

Connector No.	D155
Connector Name	LUGGAGE ROOM LAMP
Connector Type	CU04FW



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

Connector No.	D156
Connector Name	BACK-UP LAMP LH
Connector Type	NS32FW-CS



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]

## DOOR HARNESS

Connector No. D157	Connector Name WIRE TO WIRE	Connector Type NS10FW-CS			Terminal No.	Color of Wire	Signal Name [Specification]
					1	B	-
					2	Y	-
					3	BG	-
					4	W	-
					5	G	-
					6	R	-
					7	L	-
					8	Y	-
					9	SB	-
					10	LG	-
Connector No. D158	Connector Name WIRE TO WIRE	Connector Type TH09FW-NH			Terminal No.	Color of Wire	Signal Name [Specification]
					1	B	-
					2	SB	-
					3	W	-
					4	R	-
					7	SHIELD	-
					8	B	-
Connector No. D159	Connector Name WIRE TO WIRE	Connector Type M04FW-LC			Terminal No.	Color of Wire	Signal Name [Specification]
					2	G	-
					3	B	-
					4	V	-
Connector No. D160	Connector Name REAR WINDOW DEFOGGER	Connector Type P01FB-A			Terminal No.	Color of Wire	Signal Name [Specification]
					1	G	-
Connector No. D161	Connector Name REAR WINDOW DEFOGGER	Connector Type P01FB-A			Terminal No.	Color of Wire	Signal Name [Specification]
					1	G	-
Connector No. D162	Connector Name WIRE TO WIRE	Connector Type M02MW-GY-LG			Terminal No.	Color of Wire	Signal Name [Specification]
					2	B	-
Connector No. D163	Connector Name WIRE TO WIRE	Connector Type NS12MBR-CS			Terminal No.	Color of Wire	Signal Name [Specification]
					1	W	-
					2	R	-
					3	W	-
					4	SB	-
					5	SB	-
					6	B	-
					7	L	-
					8	LG	-
					9	V	-
					10	R	-
					11	BG	-
					12	G	-
Connector No. D164	Connector Name REAR WINDOW DEFOGGER	Connector Type P01FB-A			Terminal No.	Color of Wire	Signal Name [Specification]
					1	R	-
Connector No. D165	Connector Name REAR WINDOW DEFOGGER	Connector Type P01FB-A			Terminal No.	Color of Wire	Signal Name [Specification]
					2	B	-
Connector No. D166	Connector Name WIRE TO WIRE	Connector Type M02MW-GY-LG			Terminal No.	Color of Wire	Signal Name [Specification]
					2	B	-
Connector No. D167	Connector Name REAR VIEW CAMERA	Connector Type TH04MW-NH			Terminal No.	Color of Wire	Signal Name [Specification]
					1	LG	-
					2	B	-
Connector No. D168	Connector Name BACK DOOR OPENER SWITCH ASSEMBLY	Connector Type TH02MBR-P			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]

DOOR HARNESS	
Connector No. D188	Signal Name [Specification]
Connector Name REAR VIEW CAMERA	
Connector Type TR8MM-NH	
	
Terminal No.	Color of Wire
1	R
2	L
3	W
4	B
Terminal No.	Signal Name [Specification]
1	CAMERA POWER SUPPLY
2	CAMERA GND
3	CAMERA IMAGE SIGNAL
4	SHIELD
Connector No. D190	Signal Name [Specification]
Connector Name BACK DOOR LOCK ASSEMBLY	
Connector Type NS84FW-CS	
	
Terminal No.	Color of Wire
1	V
2	B
3	W
4	B
Terminal No.	Signal Name [Specification]
1	-
2	-
3	-
4	-
Connector No. D183	Signal Name [Specification]
Connector Name REAR WIPER MOTOR	
Connector Type CEA08PW	
	
Terminal No.	Color of Wire
1	B
2	B
Terminal No.	Signal Name [Specification]
1	-
2	-
Connector No. D186	Signal Name [Specification]
Connector Name LICENSE PLATE LAMP RH	
Connector Type TR02FBR	
	
Terminal No.	Color of Wire
1	SB
2	BG
3	B
Terminal No.	Signal Name [Specification]
1	-
2	-
3	-
Connector No. D184	Signal Name [Specification]
Connector Name BACK-UP LAMP RH	
Connector Type NS02FW-CS	
	
Terminal No.	Color of Wire
1	SB
2	BG
3	B
Terminal No.	Signal Name [Specification]
1	-
2	-
3	-
Connector No. D187	Signal Name [Specification]
Connector Name BACK DOOR OPERIES SWITCH ASSEMBLY	
Connector Type TR04MM-NH	
	
Terminal No.	Color of Wire
1	R
2	B
Terminal No.	Signal Name [Specification]
1	-
2	-
3	-
4	-
Connector No. D185	Signal Name [Specification]
Connector Name LICENSE PLATE LAMP LH	
Connector Type TR02FBR	
	
Terminal No.	Color of Wire
1	LG
2	B
3	B
4	SB
Terminal No.	Signal Name [Specification]
1	-
2	-
3	-
4	-
Connector No. D197	Signal Name [Specification]
Connector Name BACK DOOR OPERIES SWITCH ASSEMBLY	
Connector Type TR04MM-NH	
	
Terminal No.	Color of Wire
1	LG
2	B
3	B
4	SB
Terminal No.	Signal Name [Specification]
1	-
2	-
3	-
4	-
Connector No. D189	Signal Name [Specification]
Connector Name LICENSE PLATE LAMP LH	
Connector Type TR02FBR	
	
Terminal No.	Color of Wire
1	B
2	B
Terminal No.	Signal Name [Specification]
1	-
2	-

JRMWD1926GB

# 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



1	2
---	---

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

Connector No.	E2
Connector Name	FUSIBLE LINK HOLDER
Connector Type	LO2FBR-MC-B



3	4
---	---

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

Connector No.	E5
Connector Name	HORN RELAY
Connector Type	24381-C3900



1	3	2	6	8	9	10	11	12	13	14	
15	16	17	19	20	21	22	24	25	26	27	28

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

3	L	-
6	R	-
8	G	-
9	L	-
10	Y	-
11	LG	-
12	BR	-
13	V	-
14	R	-
15	SB	-
16	L	-
17	W	-
19	G	-
20	L	-
21	BR	-
22	W	-
24	Y	-
25	P	-
26	G	-
27	GR	-
28	L	-

Connector No.	E6
Connector Name	WIRE TO WIRE
Connector Type	TK24MW-1V



1	2	3	4	5	6	8	10	11	
12	13	15	16	18	19	20	21	23	24

Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	-
2	SB	-
3	G	-
4	LG	-
5	L	-
6	BR	-
8	V	-
10	LG	-
11	Y	-
12	P	-
13	LG	-
16	R	-
18	L	-
19	Y	-

20	W	-
21	GR	-
23	W	-
24	L	-

Connector No.	E7
Connector Name	WIRE TO WIRE
Connector Type	NS18MW-CS



3	4	5	6
10	11	12	14
15	16	17	18

Terminal No.	Color of Wire	Signal Name [Specification]
3	W	-
4	B	-
5	V	-
6	L	-
10	B	-
11	BR	-
12	R	-
14	P	-
15	BG	-

Connector No.	E8
Connector Name	WIRE TO WIRE
Connector Type	M02MW-LC



1	2
---	---

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

Connector No.	E9
Connector Name	POWER INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	LO2FB-MC



1	2
---	---

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

Connector No.	E10
Connector Name	POWER INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	M01FW-LC



5	4	3
8	7	6

Terminal No.	Color of Wire	Signal Name [Specification]
3	L	-
4	W	-
5	R	-
6	BR	-
7	P	-
8	G	-

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# CONNECTOR INFORMATION

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

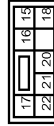
## ENGINE ROOM HARNESS

Connector No.	E11
Connector Name	IPM (E) INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	MS0FB-LC



Terminal No.	Color of Wire	Signal Name [Specification]
11	B	-
12	G	-

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



Terminal No.	Color of Wire	Signal Name [Specification]
15	SB	-
16	Y	-
17	W	-
18	L	-
20	SB	-
21	G	-
22	LG	-

Connector No.	E13
Connector Name	IPM (E) INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	TH1ZFV-NH



Terminal No.	Color of Wire	Signal Name [Specification]
23	W	-
24	Y	-
25	B	-
26	P	-
27	L	-
31	LG	-
32	V	-
33	GR	-
34	W	-

Connector No.	E14
Connector Name	IPM (E) INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	NS1ZFBR-CS



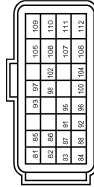
Terminal No.	Color of Wire	Signal Name [Specification]
37	R	-
38	R	-
39	GR	-
40	BR	-
41	W	-
42	L	-
43	G	-
44	Y	-
46	W	-

Connector No.	E15
Connector Name	IPM (E) INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	NS18FV-CS



Terminal No.	Color of Wire	Signal Name [Specification]
47	BR	-
48	R	-
50	G	-
51	L	-
52	P	-
55	BG	-
56	SB	-
57	V	-
58	LG	-
59	BR	-
60	SB	-
61	R	-

Connector No.	E16
Connector Name	ECM
Connector Type	RH24FBR-FZB-L-LH



Terminal No.	Color of Wire	Signal Name [Specification]
81	SB	ACCELERATOR PEDAL POSITION SENSOR T
82	G	ACCELERATOR PEDAL POSITION SENSOR Z
83	R	SENSOR POWER SUPPLY
84	Y	SENSOR GROUND
85	R	ASD/STEERING SWITCH
86	BR	EVAP CONTROL SYSTEM PRESSURE SENSOR V
87	Y	SENSOR POWER SUPPLY
88	Y	DATA LINK CONNECTOR
91	Y	SENSOR POWER SUPPLY
92	W	SENSOR GROUND

83	W	IGNITION SWITCH
85	SB	FUEL TANK TEMPERATURE SENSOR
86	P	SENSOR GROUND
87	P	CAN COMMUNICATION LINE
88	L	CAN COMMUNICATION LINE
100	W	SENSOR GROUND
102	LG	PNP SIGNAL
104	B	SENSOR GROUND
105	R	POWER SUPPLY FOR ECM
106	Y	STOP LAMP SWITCH
107	B	ECM GROUND
108	B	ECM GROUND
109	W	EVAP CANISTER VENT CONTROL VALVE
110	GR	ASD/ BRAKE SWITCH
111	B	ECM GROUND
112	B	ECM GROUND

Connector No.	E18
Connector Name	MASS AIR FLOW SENSOR
Connector Type	RH08FB



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

# CONNECTOR INFORMATION

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

## ENGINE ROOM HARNESS

Connector No.	E20
Connector Name	FRONT WIPER MOTOR
Connector Type	RS36FEY-PR



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

Connector No.	E22
Connector Name	FRONT WHEEL SENSOR LH
Connector Type	RK02ZMGY



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

Connector No.	E24
Connector Name	HEADLAMP HIGH LH
Connector Type	U02FEB



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

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

Connector No.	E25
Connector Name	INTELLIGENT KEY WARNING BUZZER
Connector Type	RK03FBR



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

Connector No.	E26
Connector Name	HEADLAMP LOW LH
Connector Type	FH202FB



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

Connector No.	E27
Connector Name	FRONT COMBINATION LAMP LH
Connector Type	Z03FEY



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

Connector No.	E28
Connector Name	HEADLAMP DIMMING MOTOR LH
Connector Type	RH03FB



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

Connector No.	E30
Connector Name	FRONT FOCLAMP LH
Connector Type	FH202FB



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

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



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

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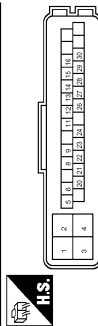
# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## ENGINE ROOM HARNESS

Connector No.	E38
Connector Name	ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)
Connector Type	RH28FE-NM4-DH



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	MOTOR
2	BR	ACTR
3	B	GND A
4	B	GND M
5	BR	VDC OFF SW
6	GR	ASCD CANCEL SW
8	SB	STOP LAMP SW
9	P	CAN L
11	BG	RR SENSOR VB
12	R	FR SENSOR SIG
13	B	G CHECK
14	L	G SW 1
15	SB	RR SENSOR SIG
16	BR	IGN
20	Y	AWD COMM
21	G	FR SENSOR VB
22	L	CAN H
23	W	FL SENSOR VB
24	GR	DIAG K
26	BR	RL SENSOR VB
27	P	FL SENSOR SIG
28	Y	G GND
29	R	G SW 2
30	G	RL SENSOR SIG

Connector No.	E37
Connector Name	BRAKE FLUID LEVEL SWITCH
Connector Type	Y02EFGY



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

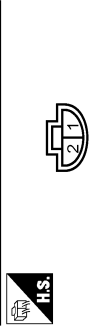
Connector No.	E39
Connector Name	FRONT WHEEL SENSOR RH
Connector Type	RK02ZMGY

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

Connector No.	E41
Connector Name	WASHER PUMP
Connector Type	EG2FGY-RS

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

Connector No.	E43
Connector Name	HEADLAMP HIGH RH
Connector Type	U02FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	
2	B	[Without daytime running light system]
2	R	[With daytime running light system]

Connector No.	E44
Connector Name	AMBIENT SENSOR
Connector Type	RS02FB

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

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

Connector No.	E45
Connector Name	HEADLAMP LOW RH
Connector Type	FR202FB



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

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

Connector No.	E46
Connector Name	FRONT COMBINATION LAMP RH
Connector Type	Z02FGY

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

Connector No.	E47
Connector Name	HEADLAMP AIMING MOTOR RH
Connector Type	RH03FB

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

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

# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## ENGINE ROOM HARNESS

Connector No.	E48
Connector Name	FRONT FOG LAMP RH
Connector Type	FH202FB



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

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



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

Connector No.	E52
Connector Name	WASHER LEVEL SWITCH
Connector Type	Z02FB



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

Connector No.	E53
Connector Name	COOLING FAN MOTOR-1
Connector Type	RS04FGY-PR



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

Connector No.	E54
Connector Name	COOLING FAN MOTOR-2
Connector Type	RS04FGY-PR



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

Connector No.	E57
Connector Name	COOLING FAN RELAY-4
Connector Type	MS02FL-AMZ-LC



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

Connector No.	E59
Connector Name	COOLING FAN RELAY-5
Connector Type	MS02FL-AMZ-LC



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

Connector No.	E55
Connector Name	DAYTIME RUNNING LIGHT RELAY
Connector Type	MS02FB-AMZ-LC



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

Connector No.	E70
Connector Name	THEFT WARNING HORN RELAY
Connector Type	MS02FW-R-LC



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

Connector No.	E71
Connector Name	HEADLAMP LOW LH
Connector Type	EG02FGY-RS



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

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# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## ENGINE ROOM HARNESS

Connector No.	E72
Connector Name	HEADLAMP HIGH LH
Connector Type	UD2FB



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

Connector No.	E74
Connector Name	HEADLAMP LOW RH
Connector Type	ED2FY-RS



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

Connector No.	E75
Connector Name	HEADLAMP HIGH RH
Connector Type	UD2FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
2	B	- [Without daytime running light system]

Terminal No.	2	R	- [With daytime running light system]
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Connector No.	E78
Connector Name	HORN HIGH
Connector Type	PR1FB-A



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

Connector No.	E79
Connector Name	HORN HIGH
Connector Type	PR1FB-A



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

Connector No.	E80
Connector Name	HORN LOW
Connector Type	PR1FB-A



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

Connector No.	E81
Connector Name	HORN LOW
Connector Type	PR1FB-A



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

Connector No.	E82
Connector Name	STOP LAMP RELAY
Connector Type	MS0ZF-AM-LC



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

Connector No.	E83
Connector Name	FRONT CAMERA
Connector Type	FR04FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	FR.CAM.POWER
2	V	FR.CAM.GND
3	L	FR.CAM.VIDEO+
4	SHIELD	FR.CAM.VIDEO-

Connector No.	E101
Connector Name	WIRE TO WIRE
Connector Type	TR80FW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
5	L	-
8	R	-
9	Y	-
12	BR	-
13	BQ	-
22	G	-
23	SB	-
51	GB	-
52	SHIELD	-
53	L	-
54	B	-
62	Y	-
63	R	-
98	G	-



# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## ENGINE ROOM HARNESS

Connector No.	E103
Connector Name	PARKING BRAKE SWITCH
Connector Type	PRO1FB-A



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

Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4



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

31	BR	-
42	Y	-
43	SHIELD	-
51	L	-
52	W	-
53	BR	-
54	Y	-
60	SB	-
61	BR	-
62	R	-
63	P	-
69	G	-
70	B	-
71	BG	-
72	LG	-
76	LG	-
77	L	-
78	L	-
79	V	-
80	Y	-
81	W	-
82	R	-
83	L	-
86	V	-
87	SHIELD	-
88	BR	-
89	R	-
90	GR	-
91	R	-
92	L	-
93	BR	-
94	W	-
96	BR	-
97	G	-
99	SB	-
100	L	-

Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	LG2FB-MC



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

1	L	-
2	R	-

Connector No.	E110
Connector Name	ACCELERATOR PEDAL POSITION SENSOR
Connector Type	PH02FB



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

Connector No.	E112
Connector Name	ASCD BRAKE SWITCH
Connector Type	MO2FBR-LC



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

Connector No.	E113
Connector Name	HOOD SWITCH
Connector Type	MO2FW



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

Connector No.	E115
Connector Name	STOP LAMP SWITCH
Connector Type	MO2FW-LC



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

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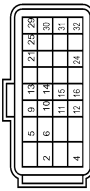

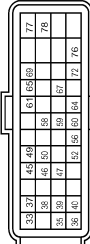









# CONNECTOR INFORMATION

## [POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

### F Engine Control Harness

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ENGINE CONTROL HARNESS			
Connector No.	F2		
Connector Name	FUSIBLE LINK HOLDER		
Connector Type	24340-79907		
			
Terminal No.	7	B/R	Signal Name [Specification]
			-
			
Connector No.	F3		
Connector Name	FUSIBLE LINK HOLDER		
Connector Type	24340-79906		
			
Terminal No.	5	B/R	Signal Name [Specification]
			-
			
Connector No.	F7		
Connector Name	ECM		
Connector Type	RH24FGY-FZ2B-R-LH		
			
Terminal No.	5	B/R	Signal Name [Specification]
			-
			
Terminal No.	2	P	Signal Name [Specification]
			THROTTLE CONTROL MOTOR RELAY POWER SUPPLY
Terminal No.	3	R	Signal Name [Specification]
			THROTTLE CONTROL MOTOR HEATER
Terminal No.	5	GR	Signal Name [Specification]
			THROTTLE CONTROL MOTOR (OPEN)
Terminal No.	6	L	Signal Name [Specification]
			THROTTLE CONTROL MOTOR (CLOSE)
Connector No.	F8		
Connector Name	ECM		
Connector Type	RH40FER-FZ2-L-LH		
			
Terminal No.	33	P	Signal Name [Specification]
			HEATED OXYGEN SENSOR 2
Terminal No.	35	L	Signal Name [Specification]
			SENSOR GROUND
Terminal No.	36	R	Signal Name [Specification]
			SENSOR GROUND
Terminal No.	37	W	Signal Name [Specification]
			THROTTLE POSITION SENSOR 1
Terminal No.	38	G	Signal Name [Specification]
			THROTTLE POSITION SENSOR 2
Terminal No.	39	Y	Signal Name [Specification]
			REFRIGERANT PRESSURE SENSOR
Terminal No.	40	W	Signal Name [Specification]
			SENSOR GROUND
Terminal No.	45	V	Signal Name [Specification]
			A/F SENSOR 1
Terminal No.	46	P	Signal Name [Specification]
			ENGINE COOLANT TEMPERATURE SENSOR
Terminal No.	47	B	Signal Name [Specification]
			SENSOR POWER SUPPLY
Terminal No.	48	LG	Signal Name [Specification]
			A/F SENSOR 1
Terminal No.	50	BR	Signal Name [Specification]
			INTAKE AIR TEMPERATURE SENSOR
Terminal No.	52	G	Signal Name [Specification]
			SENSOR GROUND
Terminal No.	56	R	Signal Name [Specification]
			SENSOR GROUND
Terminal No.	58	L	Signal Name [Specification]
			MASS AIR FLOW SENSOR
Terminal No.	59	V	Signal Name [Specification]
			SENSOR POWER SUPPLY
Terminal No.	60	B	Signal Name [Specification]
			SENSOR GROUND
Terminal No.	61	W	Signal Name [Specification]
			ENGINE OIL PRESSURE SENSOR
Terminal No.	64	Y	Signal Name [Specification]
			SENSOR GROUND
Terminal No.	65	R	Signal Name [Specification]
			CRANKSHAFT POSITION SENSOR (POS)
Terminal No.	67	SHIELD	Signal Name [Specification]
			SENSOR GROUND
			
Connector No.	F9		
Connector Name	SECONDARY SPEED SENSOR		
Connector Type	RK03FB		
			
Terminal No.	1	Y	Signal Name [Specification]
			-
Terminal No.	2	R	Signal Name [Specification]
			-
Terminal No.	3	LG	Signal Name [Specification]
			-
			
Connector No.	F10		
Connector Name	CONDENSER		
Connector Type	M02FW-LC		
			
Terminal No.	1	BR	Signal Name [Specification]
			-
Terminal No.	2	B	Signal Name [Specification]
			-
			
Connector No.	F11		
Connector Name	COMPRESSOR		
Connector Type	RH03FB		
			
Terminal No.	1	Y	Signal Name [Specification]
			-
Terminal No.	2	B	Signal Name [Specification]
			-
			
Terminal No.	68	G	CAMSHAFT POSITION SENSOR (PHASE)
Terminal No.	72	L	SENSOR POWER SUPPLY
Terminal No.	76	P	SENSOR POWER SUPPLY
Terminal No.	77	R	POWER SUPPLY FOR ECM (BACK-UP)
Terminal No.	78	SB	INTAKE VALVE TIMING CONTROL SOLENOID VALVE
			
Connector No.	F13		
Connector Name	CONDENSER		
Connector Type	M02FW-LC		
			
Terminal No.	1	W	Signal Name [Specification]
			-
Terminal No.	2	SHIELD	Signal Name [Specification]
			-
			
Terminal No.	9	R	IGNITION SIGNAL No. 3
Terminal No.	10	W	IGNITION SIGNAL No. 2
Terminal No.	11	SB	IGNITION SIGNAL No. 1
Terminal No.	12	SB	ECM GROUND
Terminal No.	13	Y	HEATED OXYGEN SENSOR 2 HEATER
Terminal No.	14	GR	FUEL PUMP RELAY
Terminal No.	15	V	THROTTLE CONTROL MOTOR RELAY
Terminal No.	16	B	ECM GROUND
Terminal No.	21	G	IGNITION SIGNAL No. 4
Terminal No.	24	L	ECM RELAY (SELF SHUT-OFF)
Terminal No.	25	Y	EVAP CANISTER PURGE VOLUME CONTROL SOLENOID VALVE
Terminal No.	29	P	FUEL INJECTOR No. 4
Terminal No.	30	LG	FUEL INJECTOR No. 3
Terminal No.	31	BR	FUEL INJECTOR No. 2
Terminal No.	32	GR	FUEL INJECTOR No. 1

# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## ENGINE CONTROL HARNESS

Connector No.	F20
Connector Name	CRANKSHAFT POSITION SENSOR (POS)
Connector Type	RH03FB



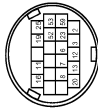
Terminal No.	Color of Wire	Signal Name [Specification]
1	P	-
2	B	-
3	R	-

Connector No.	F21
Connector Name	TRANSMISSION RANGE SWITCH
Connector Type	RH08FG



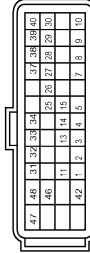
Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
2	R	-
3	SB	-
4	L	-
5	G	-
6	Y	-
7	W	-
8	V	-

Connector No.	F24
Connector Name	CVT UNIT
Connector Type	RK2ZFG



Terminal No.	Color of Wire	Signal Name [Specification]
2	LG	-
3	L	-
6	BG	-
7	R	-
8	P	-
11	Y	-
12	G	TORQUE CONVERTER GLUTCH SOLENOID VALVE
13	W	-
16	BR	-
19	L	-
20	Y	-
23	V	-
25	W	-
52	G	-
53	SB	-
59	GR	-

Connector No.	F25
Connector Name	TCM (TRANSMISSION CONTROL MODULE)
Connector Type	RH40FB-RZ8-L-RH



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	R RANGE SW
2	W	N RANGE SW
3	W	D RANGE SW
4	V	L RANGE SW
5	B	GND
7	Y	SENSOR GND

8	L	CLOCK (SEL 2)
9	G	CHP SELECT (SEL 1)
10	W	DATA I/O (SEL 3)
11	L	P RANGE SW
13	SB	CVT FLUID TEMP SENSOR
14	BR	PRIMARY PRESSURE SENSOR
15	P	SECONDARY PRESSURE SENSOR
25	Y	SENSOR GND
26	LG	SENSOR POWER SOURCE (5V)
27	GR	STEP MOTOR D
28	V	STEP MOTOR C
29	BG	S/M-B
30	R	STEP MOTOR A
31	P	CAN-L
32	L	CAN-H
33	GR	PRL SPEED SENSOR
34	R	SECONDARY SPEED SENSOR
37	L	LAU SELECT SOLENOID VALVE
38	G	TORQUE CONVERTER GLUTCH SOLENOID VALVE
39	W	SECONDARY PRESSURE SOLENOID VALVE
40	Y	LINE PRESSURE SOLENOID VALVE
42	B	GND
46	LG	VIGN
47	BR	BATT
48	Y	VIGN

Connector No.	F26
Connector Name	CAMSHAFT POSITION SENSOR (PHASE)
Connector Type	RH03FB



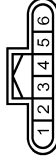
Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-
2	Y	-
3	G	-

Connector No.	F28
Connector Name	AIR FUEL RATIO (A/F) SENSOR 1
Connector Type	AF20HFGY



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

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



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

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# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]



**ENGINE CONTROL HARNESS**

Connector No.	F31
Connector Name	HEATED OXYGEN SENSOR 2
Connector Type	AF204FB



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

Connector No.	F32
Connector Name	MAP MANIFOLD PULSE VOLUME CONTROL SOLENOID VALVE
Connector Type	EQ2FL-RS-LGY

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



Connector No.	F33
Connector Name	IGNITION COIL No. 1 (WITH POWER TRANSISTOR)
Connector Type	EQ3EFGY-RS

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



Terminal No.	1	SB	-
2	B	-	-
3	BR	-	-

Connector No.	F34
Connector Name	IGNITION COIL No. 2 (WITH POWER TRANSISTOR)
Connector Type	EQ3EFGY-RS



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

Connector No.	F35
Connector Name	IGNITION COIL No. 3 (WITH POWER TRANSISTOR)
Connector Type	EQ3EFGY-RS



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

Connector No.	F36
Connector Name	IGNITION COIL No. 4 (WITH POWER TRANSISTOR)
Connector Type	EQ3EFGY-RS



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

Connector No.	F37
Connector Name	FUEL INJECTOR No. 1
Connector Type	HS3ZFGY

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



Connector No.	F38
Connector Name	FUEL INJECTOR No. 2
Connector Type	HS3ZFGY

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



Terminal No.	2	BR	-
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Connector No.	F39
Connector Name	FUEL INJECTOR No. 3
Connector Type	HS3ZFGY

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

Connector No.	F40
Connector Name	FUEL INJECTOR No. 4
Connector Type	HS3ZFGY

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

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# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## ENGINE CONTROL HARNESS

Connector No.	F42
Connector Name	ALTERNATOR
Connector Type	LO1FB



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

Connector No.	F45
Connector Name	INJAKE VALVE TRMCK CONTROL SOLENOID VALVE
Connector Type	ED2FG-RS-LGY



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

Connector No.	F47
Connector Name	STARTER MOTOR
Connector Type	X01MGY



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

Connector No.	F49
Connector Name	STARTER MOTOR
Connector Type	Z634E-51E61



Terminal No.	Color of Wire	Signal Name [Specification]
2	B/R	AH1-

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



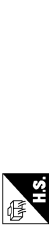
Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	GR	-
3	LG	-

Connector No.	F59
Connector Name	ALTERNATOR
Connector Type	Z634G-65F42



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

Connector No.	F60
Connector Name	ALTERNATOR
Connector Type	HS03FB



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

Connector No.	F63
Connector Name	OIL PRESSURE SWITCH
Connector Type	EG1FGY-RS-AR



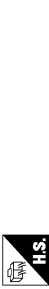
Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-

Connector No.	F60
Connector Name	ENGINE COOLANT TEMPERATURE SENSOR
Connector Type	EG2FDY-RS



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

Connector No.	F121
Connector Name	WIRE TO WIRE
Connector Type	NS16FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
3	W	-
4	B	-
5	V	-
6	L	-
10	B	-
11	BR	-
12	R	-
14	P	-
15	Y	-

Connector No.	F122
Connector Name	WIRE TO WIRE
Connector Type	MO2FW-LG



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

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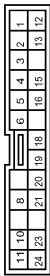
# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

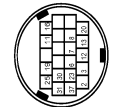
[POWER SUPPLY & GROUND CIRCUIT]

## ENGINE CONTROL HARNESS

Connector No.	F123
Connector Name	WIRE TO WIRE
Connector Type	TK2BFW-IV



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



Connector No.	F205
Connector Name	CVT UNIT
Connector Type	RR22MGY-X

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

Terminal No.	Color of Wire	Signal Name [Specification]
7	R	-
8	P	-
9	Y	-
10	L	-
11	Y	-
12	G	-
13	W	-
14	W	-
15	BR	-
16	BR	-
17	L	-
18	Y	-
19	V	-
20	W	-
21	W	-
22	W	-
23	G	-
24	G	-
25	SB	-
26	SB	-
27	GR	-
28	GR	-

Connector No.	F206
Connector Name	CONTROL VALVE
Connector Type	TK08FCY



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

Connector No.	F207
Connector Name	CONTROL VALVE
Connector Type	TK18FW



Terminal No.	Color of Wire	Signal Name [Specification]
7	SHIELD	-
8	Y	-

Terminal No.	Color of Wire	Signal Name [Specification]
9	W	-
10	G	-
11	L	-
12	SHIELD	-
13	SHIELD	-
14	R	-
15	BG	-
16	V	-
17	GR	-
18	BR	-
19	LG	-
20	P	-
21	Y	-
22	SB	-

# 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	2X31T-ED000



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

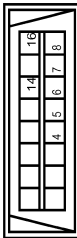
Connector No.	M2
Connector Name	FUSE BLOCK (J/B)
Connector Type	2X31T-ED000



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

Connector No.	M4
Connector Name	DATA LINK CONNECTOR
Connector Type	BD16FW



Terminal No.	Color of Wire	Signal Name [Specification]
4	B	-
5	B	-
6	L	-
7	Y	-
8	W	-
14	P	-
16	V	-

Connector No.	M5
Connector Name	VDC OFF SWITCH
Connector Type	TR08FGY



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

Connector No.	M6
Connector Name	HEADLAMP AIMING SWITCH
Connector Type	AGMFW



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

Connector No.	M8
Connector Name	AWD LOCK SWITCH
Connector Type	TR08FW-IV



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

Connector No.	M10
Connector Name	DOOR MIRROR DEFROGGER RELAY
Connector Type	MS02FL-MZ-LC



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

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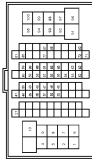
# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## MAIN HARNESS

Connector No.	M11
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS18-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	
2	BR	
3	G	
4	LG	
6	P	
7	Y	
8	LG	
9	BG	
10	Y	
21	R	
35	SHIELD	
36	P	
37	LG	
38	SHIELD	
39	B	
40	G	
41	R	
45	BR	
46	L	
47	SHIELD	
48	V	
49	W	
50	SHIELD	
52	BG	
53	L	
54	V	
55	Y	
56	LG	
57	SB	
58	W	
59	B	
60	SB	
62	CR	
63	BR	
65	SHIELD	
66	BR	
67	LG	
68	SB	

69	SHIELD	
70	LG	
71	BR	
72	BG	
77	L	
80	R	
81	W	
82	GR	
86	Y	
87	P	
91	L	
92	B	
93	GR	
94	G	
95	V	
96	P	
97	SB	
98	GR	
99	R	
100	L	

Connector No.	M13
Connector Name	WIRE TO WIRE
Connector Type	TH43ZFW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	
2	Y	
4	R	
5	W	
6	G	
10	W	
13	Y	
14	BG	
15	W	
16	V	
17	LG	
18	BR	
19	SB	
20	SHIELD	
21	SHIELD	
26	W	

29	L	
30	B	
31	GR	
32	G	



Connector No.	M14
Connector Name	WIRE TO WIRE
Connector Type	NS18FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	
2	P	
3	V	
5	GR	
6	R	
7	SB	
8	V	
9	W	
10	BG	
11	L	
14	G	
15	BR	
16	V	

Connector No.	M16
Connector Name	GLOVE BOX LAMP
Connector Type	AQ2FW



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

Connector No.	M17
Connector Name	OPTICAL SENSOR
Connector Type	TH03FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	SENSOR POWER
2	G	SENSOR OUTPUT
3	R	SENSOR GROUND

Connector No.	M18
Connector Name	WIRE TO WIRE
Connector Type	TH16MW-NH



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



# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## MAIN HARNESS

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



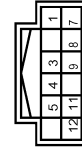
Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
2	P	-
3	R	-
4	R	-
5	Y	-
6	SB	-
7	B	-
8	V	-
9	L	-
10	G	-
11	BR	-
12	P	-
13	GR	-
14	LG	-
15	W	-
16	L	-

Connector No.	M22
Connector Name	TWEETER RH
Connector Type	TK02FBR



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

Connector No.	M23
Connector Name	WIRE TO WIRE
Connector Type	TH1ZFV-RH



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

Connector No.	M24
Connector Name	KEY SWITCH
Connector Type	TK02MRF-P



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

Connector No.	M25
Connector Name	IGNITION KNOB SWITCH
Connector Type	TR00MGY



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

Connector No.	M26
Connector Name	MATS ANTENNA AMP.
Connector Type	TH04FW-RH



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	4B
2	G	CLK
3	B	GND
4	BR	DATA

Connector No.	M27
Connector Name	COMBINATION SWITCH
Connector Type	TK16FW



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

Connector No.	M28
Connector Name	STEERING LOCK UNIT
Connector Type	TK04FW



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

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# CONNECTOR INFORMATION

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

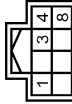
## MAIN HARNESS

Connector No.	M29
Connector Name	IGNITION SWITCH
Connector Type	MB9FW-LC



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

Connector No.	M30
Connector Name	STEERING ANGLE SENSOR
Connector Type	TR8BFW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	IGN
3	B	GND
4	L	CAN-H
8	P	CAN-L

Connector No.	M32
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TR08FY-EX-IV



Terminal No.	Color of Wire	Signal Name [Specification]
23	Y/R	-
28	Y/G	-
30	Y	-
40	G	-
41	B	-
42	L	-

Connector No.	M33
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TR08FGY-IV



Terminal No.	Color of Wire	Signal Name [Specification]
24	BR	-
25	GR	-
26	SB	-
27	G	-
31	GR	-
32	BG	REMOTE B
33	R	-
34	Y	-

Connector No.	M34
Connector Name	COMBINATION METER
Connector Type	TR40FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	BATTERY POWER SUPPLY
10	G	PADDLE SHIFTER SHIFT DOWN SIGNAL
13	Y	ILLUMINATION CONTROL SIGNAL
15	LG	AIR BAG SIGNAL
16	W	ENGINE COOLANT TEMPERATURE SIGNAL
19	BR	AMBIENT SENSOR SIGNAL
2	BG	IGNITION SIGNAL
20	SB	AMBIENT SENSOR GROUND
21	L	CAN-L
22	P	CAN-H
24	B	FUEL LEVEL SENSOR SIGNAL GROUND
25	SB	ALTERNATOR SIGNAL
26	V	PARKING BRAKE SWITCH SIGNAL
27	BR	BRAKE FLUID LEVEL SWITCH SIGNAL
28	B	SECURITY SIGNAL
29	W	WASHER LEVEL SWITCH SIGNAL
3	B	GROUND
30	Y	VEHICLE SPEED SIGNAL (2-PULSE)
31	L	VEHICLE SPEED SIGNAL (4-PULSE)
34	G	FUEL LEVEL SENSOR SIGNAL
35	BG	SEAT BELT BUCKLE SWITCH SIGNAL (DRIVER SIDE)
36	G	SEAT BELT BUCKLE SWITCH SIGNAL (PASSENGER SIDE)
37	P	NON-MANUAL MODE SIGNAL
38	BG	MANUAL MODE SHIFT DOWN SIGNAL
39	V	MANUAL MODE SHIFT UP SIGNAL
4	L	SPORT MODE SWITCH SIGNAL
40	LG	MANUAL MODE SIGNAL
5	BR	A/C AUTO AMP CONNECTION/RECOGNITION SIGNAL
7	GR	OVERDRIVE CONTROL SWITCH SIGNAL
9	L	PADDLE SHIFTER SHIFT UP SIGNAL

Connector No.	M36
Connector Name	WIRE TO WIRE
Connector Type	NS30BFB-OS



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

Connector No.	M37
Connector Name	EPS CONTROL UNIT
Connector Type	MAA08FB



Terminal No.	Color of Wire	Signal Name [Specification]
3	W	IGN
5	L	CAN-H
7	P	CAN-L

# CONNECTOR INFORMATION

## [POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

### MAIN HARNESS

Connector No.	M38
Connector Name	EPS CONTROL UNIT
Connector Type	FA0402FB



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

Connector No.	M40
Connector Name	INTELLIGENT KEY UNIT
Connector Type	TH40FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	STRG LOCK UNIT SV O/P
10	SB	P RANGE INPUT SW
11	R	BATT+
12	B	GND
13	Y	REAR SEAT (+)
14	BR	REAR SEAT (-)
15	R	CONSOLE (+)
16	G	CONSOLE (-)
17	W	BACK DOOR (+)
18	R	BACK DOOR (-)
19	BR	DRIVER DOOR (+)
2	L	COM-H
20	B	DR DOOR ANT (-)
25	BR	REQUEST SW (AS)
26	B	STOP LAMP SW
27	G	FRONT SW
28	W	DR LOCK STATE SW
29	SB	REQUEST SW (BD)
3	P	CAN-L
31	L	STRG LOCK UNIT GND

32	P	STRG LOCK UNIT SIG
37	V	PASSENGER DOOR (+)
38	P	PASSENGER DOOR (-)
4	V	OUTSIDE BUZZER O/P
40	V	AS ANTI HIJACK
5	Y	REQUEST SW (DR)
6	W	IGN SW
7	LG	KEY SW

Connector No.	M41
Connector Name	IN-VEHICLE SENSOR
Connector Type	A02FW



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

Connector No.	M42
Connector Name	INTAKE SENSOR
Connector Type	C02FW



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

Connector No.	M44
Connector Name	FRONT PASSENGER AIR BAG OFF INDICATOR
Connector Type	TR03FW



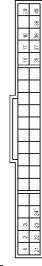
Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
3	B	-

Connector No.	M45
Connector Name	HAZARD SWITCH
Connector Type	TR40FW



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

Connector No.	M50
Connector Name	A/C AMP.
Connector Type	S040FW



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

1	LG	BATTERY POWER SUPPLY
2	W	IGNITION POWER SUPPLY
3	B	GROUND
16	P	INTAKE SENSOR GROUND
17	L	INTAKE SENSOR SIGNAL
18	V	A/C LAMP SIGNAL
20	GR	RR DEF F/S
21	Y	IGNITION 2 POWER SUPPLY
22	G	EACH DOOR MOTOR POWER SUPPLY
23	GR	LIGHT+
24	SB	LIGHT-
36	R	BLOWER MOTOR FEEDBACK SIGNAL
37	L	FAN CONTROL AMP. CONTROL SIGNAL
38	SB	RR DEF SW
39	LG	FAN ON SIGNAL
40	Y	A/C SWITCH SIGNAL

Connector No.	M51
Connector Name	DOOR MIRROR REMOTE CONTROL SWITCH
Connector Type	NS10FW-CS



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

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# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

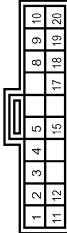
## MAIN HARNESS

Connector No.	M53
Connector Name	DIODE
Connector Type	TK20FGY



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

Connector No.	M54
Connector Name	AUTO AMP.
Connector Type	TK20FGY



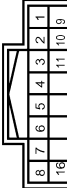
Terminal No.	Color of Wire	Signal Name [Specification]
1	W	IGN
2	B	BAT
3	LG	GND (POWER)
4	Y	COMP ON
5	G	LAN (+)
8	LG	INCAR SENS
9	BR	AME SENS
10	Y	SUN SENS
11	SB	LSHT (-)
12	GR	LSHT (+)
15	V	LAN (-)
17	L	FR/FAN OUT
18	R	FR/FAN F/B
19	LG	FAN ON
20	Y	FR/GR 2

Connector No.	M55
Connector Name	AUTO AMP.
Connector Type	TK4BFGY



Terminal No.	Color of Wire	Signal Name [Specification]
21	W	WATER TEMP
22	SB	RR/DEF SW
23	GR	RR/DEF F/B
24	R	SENS GND
25	L	INT SENS
28	BR	OUTSIDE TEMP POWER

Connector No.	M57
Connector Name	CVT SHIFT SELECTOR
Connector Type	TH16FWNH



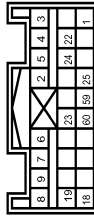
Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
2	B	-
3	G	- [With Intelligent Key]
4	B	- [Without Intelligent Key]
5	R	-
6	Y	-
7	LG	-
8	BG	-
9	V	-
10	B	-
11	R	-
16	SB	-

Connector No.	M58
Connector Name	HEATED SEAT RELAY
Connector Type	MS02F-MZ-1-C



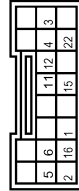
Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	B	-
3	G	-
5	BR	-

Connector No.	M59
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	NH28FY-EX



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	IGN
2	B	GND
3	Y	INFLATOR DR 1+
4	Y/R	INFLATOR DR 1- & DR 2+
5	Y/G	INFLATOR DR 2-
6	Y/G	INFLATOR AS 1+
7	Y/B	INFLATOR AS 1-
8	Y	INFLATOR AS 2+
9	Y/R	INFLATOR AS 2-
18	W	ECZS+
19	R	ECZS-
22	SHIELD	GND
24	LG	A/B W/L
25	GR	SEATBELT W/L
58	L	A/B CUTOFF TELLTALE
60	P	GND III

Connector No.	M60
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	TK20FY-EX-SC



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	IGN
2	B	GND
3	Y	INFLATOR DR+
4	Y/R	INFLATOR DR-
5	Y/G	INFLATOR AS+
6	Y/B	INFLATOR AS-
11	W	ECZS+
12	R	ECZS-
15	LG	A/B W/L
16	SHIELD	GND
22	Y	K-LINE

Connector No.	M61
Connector Name	FRONT POWER SOCKET
Connector Type	FR02FB-Z



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

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# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## MAIN HARNESS

Connector No.	M62
Connector Name	PASSENGER AIR BAG MODULE
Connector Type	FR04FY-BD



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

Connector No.	M64
Connector Name	SUNLOAD SENSOR
Connector Type	K02FB



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

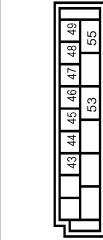
Connector No.	M65
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	T146FW-NH



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

Terminal No.	Color of Wire	Signal Name [Specification]
1	V	KEY RING OUTPUT INPUT 5
2	G	INPUT 4
3	Y	INPUT 3
4	W	INPUT 2
5	R	-
6	EG	-
7	V	-
8	R	KEY CYL LOCK SW
9	R	BRAKE SW
10	SB	RR DEF SW
11	SB	ACC
12	EG	-
13	LG	DR SW RR
14	G	AUTO LIGHT SENS INPUT
17	W	SENS POWER SUPPLY
18	R	KEYLESS TUNER SENS GND
19	V	KEYLESS TUNER POWER
20	GR	KEYLESS TUNER SIGNAL
21	G	IMMOBI ANT (CLOCK)
23	B	SECURITY IND OUT PUT
25	BR	IMMOBI ANT (RX, TX)
27	Y	AIRCORN SW
28	LG	BLOWER FAN SW
29	W	HAZARD SW
30	G	BACK DOOR OPEN SW
32	BR	OUTPUT 5
33	GR	OUTPUT 4
34	SB	-
35	B	OUTPUT 2
36	V	OUTPUT 1
37	LG	KEY SW
38	G	IGN
39	L	CAN-H
40	P	CAN-L

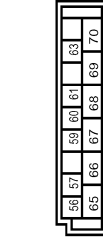
Connector No.	M66
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	FEA0BF-FH4E-SA



Terminal No.	Color of Wire	Signal Name [Specification]
43	V	BACK DOOR SW
44	B	RR WIP AUTO STOP

45	P	COLLOCK SW
46	BR	GDUNLOCK SW
47	W	DR SW DR
48	GR	DR SW RL
49	L	LUGGAGE LAMP OUTPUT
53	V	BACK DOOR OPENER OUTPUT
55	SB	RR WIP MTR OUT

Connector No.	M67
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	FEA0BF-FH4E-SA



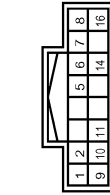
Terminal No.	Color of Wire	Signal Name [Specification]
56	Y	BATTERY SAVER OUTPUT
57	G	BAT FUSE
59	L	D/L UNLOCK DR
60	BR	FLASHER OUT PUT (LEFT)
61	GR	FLASHER OUT PUT (RIGHT)
63	R	ROOM LAMP OUTPUT
65	V	D/L LOCK ALL
66	G	D/L UNLOCK OTHER
67	B	GND
68	L	POWER WDW OUTPUT (RAP)
69	P	POWER WDW OUTPUT (BAT)
70	Y	BAT FL

Connector No.	M68
Connector Name	IGNITION KEYHOLE ILLUMINATION
Connector Type	A02MW



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

2	V	-
---	---	---



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	AMD SOL+
2	G	AMD SOL-
5	BR	AMD LOCK SW (WITH VDC)
6	L	AMD COMMUNICATION LINE
7	GR	IGN
8	L	CAN-H
9	W	SOL BATT
10	B	GND
11	B	GND
14	BR	AMD LOCK SW (WITHOUT VDC)
16	P	CAN-L

Connector No.	M70
Connector Name	PASSENGER AIR BAG MODULE
Connector Type	TK02FY-EX-1V



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

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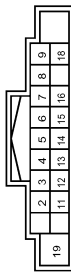
# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

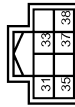
## MAIN HARNESS

Connector No.	M72
Connector Name	AUDIO UNIT
Connector Type	TH48FW-CSZ



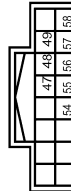
Terminal No.	Color of Wire	Signal Name [Specification]
1	R	SOUND SIGNAL FRONT SPEAKER LH (+)
2	G	SOUND SIGNAL FRONT SPEAKER LH (-)
3	V	SOUND SIGNAL REAR SPEAKER LH (+)
4	V	SOUND SIGNAL REAR SPEAKER LH (-)
5	LG	STRG SW A
6	BR	ACC
7	SB	ILLUMINATION CONTROL SIGNAL (-)
8	Y	ILLUMINATION CONTROL SIGNAL (+)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

Connector No.	M73
Connector Name	AUDIO UNIT
Connector Type	TH48FW-NH



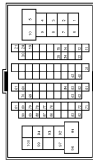
Terminal No.	Color of Wire	Signal Name [Specification]
31	R	AUDIO BUS L(H)
32	B	AUDIO BUS L(H)
33	W	AUDIO BUS L(H)
34	C	AUDIO BUS R(H)
35	C	AUDIO BUS R(H)
36	SHIELD	SHIELD
37	SHIELD	SHIELD
38	SHIELD	SHIELD

Connector No.	M75
Connector Name	AUDIO UNIT
Connector Type	TH18FW-NH



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

Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4



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

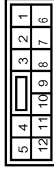
Terminal No.	Color of Wire	Signal Name [Specification]
19	R	
20	P	
21	Y	
22	L	
24	BR	
25	W	
30	L	
31	W	
42	R	
43	SHIELD	
51	W	
52	SB	
53	L	
54	Y	
60	V	
61	BR	
62	G	
63	P	
69	W	
70	B	
71	P	
72	V	
76	LG	
77	L	
78	SB	
79	V	
80	L	
81	W	
82	B	
83	LG	
86	V	
87	SHIELD	
88	BR	
89	G	
90	GR	
91	R	
92	L	
93	P	
94	W	
96	BR	
97	G	
98	SB	
99	Y	
100	Y	

Connector No.	M78
Connector Name	WIRE TO WIRE
Connector Type	LO2ME-MC



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

Connector No.	M79
Connector Name	WIRE TO WIRE
Connector Type	NS12FW-CS



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

# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## MAIN HARNESS

Connector No.	M80
Connector Name	TWEETER LH
Connector Type	TKOZFBR



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	- [With base audio or display audio]
1	BR	- [With BOSE system]
2	GR	- [With BOSE system]
2	P	- [With base audio or display audio]

Connector No.	M81
Connector Name	WIRE TO WIRE
Connector Type	TH16MW-NH



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

Connector No.	M83
Connector Name	AUDIO UNIT
Connector Type	TH18FW-CSZ



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

Connector No.	M85
Connector Name	AUDIO UNIT
Connector Type	TH32FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
33	SHIELD	SHIELD
34	G	CAMERA IMAGE SIGNAL [For Mexico]
34	W	CAMERA IMAGE SIGNAL [Except for Mexico]
35	R	CAMERA POWER SUPPLY
36	B	CAMERA GND

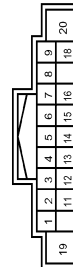
37	LG	AV COMM (L)
38	SB	AV COMM (R)
40	LG	AV COMM (L)
41	SB	AV COMM (R)
43	SHIELD	SHIELD
44	BR	SOUND SIGNAL (+)
45	Y	SOUND SIGNAL (-)
50	B	CONTROL SIGNAL
51	G	REVERSE SIGNAL
53	B	EQ 4
55	B	EQ 2
56	B	EQ 1
57	B	CONTROL SIGNAL
58	GR	IMAGE SWITCH SIGNAL
59	BR	AV SWITCH SIGNAL
61	V	CAMERA SWITCH SIGNAL

Connector No.	M86
Connector Name	AUDIO UNIT
Connector Type	HAA04FL



Terminal No.	Color of Wire	Signal Name [Specification]
65	G	USE GND
66	R	USE D- SIGNAL
67	W	V BUS SIGNAL
68	L	USE D+ SIGNAL
69	SHIELD	SHIELD

Connector No.	M88
Connector Name	NAVI CONTROL UNIT
Connector Type	TH18FW-CSZ



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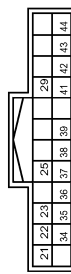
# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## MAIN HARNESS

Connector No.	M88
Connector Name	NAVI CONTROL UNIT
Connector Type	TH2FVW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
21	B	EQ 1
22	B	EQ 2
23	B	EQ 3
25	G	REVERSE SIGNAL
29	LG	IMAGE SWITCH SIGNAL
34	BR	SOUND SIGNAL (+)
35	Y	SOUND SIGNAL (-)
36	B	GND
37	SHIELD	SHIELD
38	SB	AV COMM (H)
39	LG	AV COMM (L)
41	G	CAMERA IMAGE SIGNAL [With 8-speakers]
41	W	CAMERA IMAGE SIGNAL [With 6-speakers]
42	SHIELD	SHIELD
43	R	CAMERA POWER SUPPLY
44	B	CAMERA GND

Connector No.	M80
Connector Name	PASSENGER SIDE SELECTIVE UNLOCK RELAY
Connector Type	M803FB-AM-LC



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

Connector No.	M81
Connector Name	REMOTE KEYLESS ENTRY RECEIVER
Connector Type	TR04FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	GROUND
2	GR	SIGNAL
4	V	POWER

Connector No.	M83
Connector Name	IFoD ADAPTER
Connector Type	TH2AFW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	Pod SOUND SIGNAL LH (+)
2	B	Pod SOUND SIGNAL RH (+)
3	SB	ACC
4	LG	AV COMM (L)
5	Y	BATTERY
6	GR	USB D+ SIGNAL
7	V	USB D- SIGNAL
8	G	Pod BATTERY CHARGE DV
9	R	COMM (Pod-IFoD ADAPTER)
10	L	COMM (IFoD-IFoD ADAPTER)
11	BR	ACCESSORY IDENTIFY
12	W	Pod SOUND SIGNAL RH (+)
13	W	Pod SOUND SIGNAL LH (-)
14	G	Pod SOUND SIGNAL RH (-)
15	SHIELD	SHIELD
16	SB	AV COMM (H)
17	BR	GROUND
18	SHIELD	SHIELD
20	P	Pod BATTERY CHARGE SV

21	Y	Pod CONNECTION RECOGNITION
22	LG	ACCESSORY DETECT
23	B	Pod SOUND SIGNAL GND
24	R	Pod SOUND SIGNAL LH (+)

Connector No.	M85
Connector Name	CENTER SPEAKER
Connector Type	TR02FBR



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

Connector No.	M87
Connector Name	WIRE TO WIRE
Connector Type	NS16FW-CS



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

15	BG	-
16	R	-

Connector No.	M88
Connector Name	WIRE TO WIRE
Connector Type	CP06FGY



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

Connector No.	M89
Connector Name	WIRE TO WIRE
Connector Type	M89FW-GY-LC



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



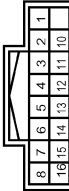
# CONNECTOR INFORMATION

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

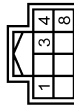
## MAIN HARNESS

Connector No.	M100
Connector Name	WIRE TO WIRE
Connector Type	TH40FW-NH



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

Connector No.	M101
Connector Name	STEERING ANGLE SENSOR
Connector Type	TH40FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	IGN SAS
3	B	GND SAS
4	S	CAN+H
8	P	CAN-L

Connector No.	M102
Connector Name	WIRE TO WIRE
Connector Type	NS36MW-CS



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

Connector No.	M103
Connector Name	AROUND VIEW MONITOR CONTROL UNIT
Connector Type	TH40FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	GND
2	Y	BATTERY
3	Y	-
4	SB	IGN
5	W	-
7	R	-
8	C	REVERSE SIGNAL
9	V	CAMERA SWITCH SIGNAL
10	P	CAN-L
12	L	CAN+H
14	GR	IMAGE SWITCH SIGNAL (WITH DISPLAY AUDIO)
16	LG	IMAGE SWITCH SIGNAL (WITH NAVIGATION)
18	BR	AV SWITCH SIGNAL
19	SHIELD	-
20	G	-

23	SHIELD	SHIELD
24	G	CAMERA IMAGE SIGNAL
25	B	REAR CAMERA GND
26	R	REAR CAMERA POWER SUPPLY
27	SHIELD	SHIELD
28	W	REAR CAMERA IMAGE SIGNAL
29	G	SIDE CAMERA DRIVER SIDE GND
30	L	SIDE CAMERA DRIVER SIDE POWER
31	SHIELD	SHIELD
32	Y	SIDE CAMERA DRIVER SIDE IMAGE SIGNAL
33	B	SIDE CAMERA PASSENGER SIDE GND
34	W	SIDE CAMERA PASSENGER SIDE POWER
35	SHIELD	SHIELD
36	R	SIDE CAMERA PASSENGER SIDE IMAGE SIGNAL
37	V	FRONT CAMERA GND
38	LG	FRONT CAMERA POWER
39	SHIELD	SHIELD
40	L	FRONT CAMERA IMAGE SIGNAL



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

Connector No.	M201
Connector Name	WIRE TO WIRE
Connector Type	NS16MW-CS



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

Connector No.	M202
Connector Name	HEATED SEAT SWITCH LH
Connector Type	NS36FW-CS



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

Connector No.	M203
Connector Name	HEATED SEAT SWITCH RH
Connector Type	NS36FW-CS



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

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# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

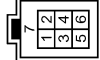
## MAIN HARNESS

Connector No.	M204
Connector Name	CONSOLE POWER SOCKET
Connector Type	PRO2FB-Z



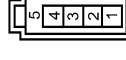
Terminal No.	Color of Wire	Signal Name [Specification]
1	G	
2	B	

Connector No.	M205
Connector Name	WIRE TO WIRE
Connector Type	CF06MGY-S



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

Connector No.	M206
Connector Name	USB CONNECTOR
Connector Type	TUG5FW



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

Connector No.	M207
Connector Name	WIRE TO WIRE
Connector Type	TH16BMW-NH



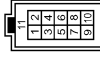
Terminal No.	Color of Wire	Signal Name [Specification]
1	P	
2	GR	
3	G	
4	SHIELD	
5	L	
6	BR	
7	B	
8	R	
10	V	
11	B	
12	Y	
13	R	
14	LG	
15	SHIELD	
16	W	

Connector No.	M208
Connector Name	iPod CONNECTOR
Connector Type	IP16EGY



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	iPod SOUND SIGNAL LH (+)
2	B	iPod SOUND SIGNAL GND
3	P	iPod BATTERY CHARGE EV
5	L	COMM (iPod →iPod ADAPTER)
6	R	COMM (iPod ADAPTER →iPod)
7	W	iPod SOUND SIGNAL RH (+)
9	Y	iPod CONNECTION RECOGNITION GND
10	B	
11	GR	USB D+ SIGNAL
12	G	iPod BATTERY CHARGE 12V
13	V	USB D- SIGNAL
14	SHIELD	
15	LG	ACCESSORY DETECT
16	BR	ACCESSORY IDENTIFY

Connector No.	M209
Connector Name	WIRE TO WIRE
Connector Type	GT17VSR-IDDP-HU



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

Connector No.	M210
Connector Name	USB CONNECTOR AND AUX JACK
Connector Type	GT17H-IS-HU



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

Connector No.	M211
Connector Name	USB CONNECTOR AND AUX JACK
Connector Type	TR04FW






















Terminal No.	Color of Wire	Signal Name [Specification]
6	SHIELD	
7	SHIELD	
8	SHIELD	
9	SHIELD	

# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## MAIN HARNESS

Connector No.	M212	Terminal No.	Color of Wire	Signal Name [Specification]
Connector Name	SPORT MODE SWITCH	1	R	
Connector Type	TH08FEL-NH	2	G	
				
Connector No.	M301	Terminal No.	Color of Wire	Signal Name [Specification]
Connector Name	WIRE TO WIRE	1	W	
Connector Type	M08MW-GY-LC	2	B	
		3	V	
				
Connector No.	M213	Terminal No.	Color of Wire	Signal Name [Specification]
Connector Name	AROUND VIEW MONITOR SWITCH	1	L	
Connector Type	TH08FFGY-NH	2	B	
		3	R	
		4	LG	
				
Connector No.	M304	Terminal No.	Color of Wire	Signal Name [Specification]
Connector Name	INTAKE DOOR MOTOR	1	W	
Connector Type	A03FW	2	B	
		3	R	
		4	Y	
		5	B	
		6	V	
		7	L	
		8	Y	
				
Connector No.	M252	Terminal No.	Color of Wire	Signal Name [Specification]
Connector Name	INSIDE KEY ANTENNA (CONSOLE)	1	V	
Connector Type	R002FGY	2	B	
		3	W	
		4	Y	
				
Connector No.	M306	Terminal No.	Color of Wire	Signal Name [Specification]
Connector Name	AIR MIX DOOR MOTOR	1	W	
Connector Type	A03FW	2	B	
		3	V	
				
Connector No.	M312	Terminal No.	Color of Wire	Signal Name [Specification]
Connector Name	BLOWER MOTOR	1	B	
Connector Type	M02FW-LC	2	L	
		3	R	
				
Connector No.	M310	Terminal No.	Color of Wire	Signal Name [Specification]
Connector Name	MODE DOOR MOTOR	1	W	
Connector Type	A03FW	2	B	
		3	V	
				
Connector No.	M350	Terminal No.	Color of Wire	Signal Name [Specification]
Connector Name	DRIVER AIR BAG MODULE	1	Y	
Connector Type	AGA03FY-2V	2	R	
		3	Y	
				
Connector No.	M311	Terminal No.	Color of Wire	Signal Name [Specification]
Connector Name	FAN CONTROL AMP.	1	W	
Connector Type	M04FW-LC	2	B	
		3	V	
				
Connector No.	M302	Terminal No.	Color of Wire	Signal Name [Specification]
Connector Name	WIRE TO WIRE	1	W	
Connector Type	M08MW-GY-LC	2	B	
		3	V	
				
Connector No.	M303	Terminal No.	Color of Wire	Signal Name [Specification]
Connector Name	WIRE TO WIRE	1	W	
Connector Type	M08MW-GY-LC	2	B	
		3	V	
				
Connector No.	M305	Terminal No.	Color of Wire	Signal Name [Specification]
Connector Name	WIRE TO WIRE	1	W	
Connector Type	M08MW-GY-LC	2	B	
		3	V	
				
Connector No.	M307	Terminal No.	Color of Wire	Signal Name [Specification]
Connector Name	WIRE TO WIRE	1	W	
Connector Type	M08MW-GY-LC	2	B	
		3	V	
				
Connector No.	M308	Terminal No.	Color of Wire	Signal Name [Specification]
Connector Name	WIRE TO WIRE	1	W	
Connector Type	M08MW-GY-LC	2	B	
		3	V	
				
Connector No.	M309	Terminal No.	Color of Wire	Signal Name [Specification]
Connector Name	WIRE TO WIRE	1	W	
Connector Type	M08MW-GY-LC	2	B	
		3	V	
				
Connector No.	M310	Terminal No.	Color of Wire	Signal Name [Specification]
Connector Name	WIRE TO WIRE	1	W	
Connector Type	M08MW-GY-LC	2	B	
		3	V	
				
Connector No.	M311	Terminal No.	Color of Wire	Signal Name [Specification]
Connector Name	WIRE TO WIRE	1	W	
Connector Type	M08MW-GY-LC	2	B	
		3	V	
				
Connector No.	M312	Terminal No.	Color of Wire	Signal Name [Specification]
Connector Name	WIRE TO WIRE	1	W	
Connector Type	M08MW-GY-LC	2	B	
		3	V	
				

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# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## MAIN HARNESS

Connector No.	M351
Connector Name	DRIVER AIR BAG MODULE
Connector Type	ACAOZFR



Terminal No.	Color of Wire	Signal Name [Specification]
12	SHIELD	-
13	SHIELD	-

Connector No.	M352
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TK0BFCY



Terminal No.	Color of Wire	Signal Name [Specification]
14	SHIELD	-
15	SHIELD	-
16	SHIELD	-
17	SHIELD	-
18	SHIELD	-
19	SHIELD	-
20	SHIELD	-
21	SHIELD	-

Connector No.	M353
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TK0BFW-X



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

Connector No.	M401
Connector Name	AUDIO UNIT
Connector Type	GT13SH-2, IS-HU



Terminal No.	Color of Wire	Signal Name [Specification]
70	SHIELD	-
71	SHIELD	-

Connector No.	M402
Connector Name	WIRE TO WIRE
Connector Type	GT13SC-1, IS-HU



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

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

Connector No.	M405
Connector Name	NAVI CONTROL UNIT
Connector Type	GT13SH-2, IS-HU



Terminal No.	Color of Wire	Signal Name [Specification]
70	SHIELD	-
71	SHIELD	-

Connector No.	M406
Connector Name	ANTENNA BASE
Connector Type	GT13SSH-1, IPP-HU



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



Connector No.	M407
Connector Name	NAVI CONTROL UNIT
Connector Type	FAKRA PLUG

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



Connector No.	M408
Connector Name	NAVI CONTROL UNIT
Connector Type	GT13S-80S-HU

























Terminal No.	Color of Wire	Signal Name [Specification]
45	SHIELD	-
46	SHIELD	-
47	SHIELD	-
48	SHIELD	-
49	SHIELD	-
50	SHIELD	-
51	SHIELD	-
53	SHIELD	-

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# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

MAIN HARNESS		CONNECTOR INFORMATION	
Connector No.	M409	Connector No.	M414
Connector Name	NAVI CONTROL UNIT	Connector Name	AUDIO UNIT
Connector Type	FAKRA	Connector Type	FAKRA PLUG
			
Terminal No.	54	Terminal No.	73
Color of Wire	SHIELD	Color of Wire	SHIELD
Signal Name [Specification]	-	Signal Name [Specification]	-
			
Connector No.	M410	Connector No.	M601
Connector Name	WIRE TO WIRE	Connector Name	SHIFT LOCK SOLENOID
Connector Type	GT16C-IS-HU	Connector Type	Yazaki 7283-3845
			
Terminal No.	55	Terminal No.	1
Color of Wire	SHIELD	Color of Wire	SHIELD
Signal Name [Specification]	-	Signal Name [Specification]	-
			
Connector No.	M411	Connector No.	M603
Connector Name	WIRE TO WIRE	Connector Name	OVERDRIVE CONTROL SWITCH
Connector Type	GT17YS-10DS-HU	Connector Type	HRP-08-S
			
Terminal No.	1	Terminal No.	1
Color of Wire	SHIELD	Color of Wire	SHIELD
Signal Name [Specification]	-	Signal Name [Specification]	-
			
Connector No.	M412	Connector No.	M603
Connector Name	WIRE TO WIRE	Connector Name	OVERDRIVE CONTROL SWITCH
Connector Type	GT16C-1PP-HU	Connector Type	HRP-08-S
			
Terminal No.	1	Terminal No.	1
Color of Wire	SHIELD	Color of Wire	SHIELD
Signal Name [Specification]	-	Signal Name [Specification]	-
			
Connector No.	M413	Connector No.	M603
Connector Name	ANTENNA BASE	Connector Name	OVERDRIVE CONTROL SWITCH
Connector Type	GT16C-1PP-HU	Connector Type	HRP-08-S
			
Terminal No.	4	Terminal No.	1
Color of Wire	SHIELD	Color of Wire	SHIELD
Signal Name [Specification]	-	Signal Name [Specification]	-
			
Connector No.	M414	Connector No.	M603
Connector Name	WIRE TO WIRE	Connector Name	OVERDRIVE CONTROL SWITCH
Connector Type	GT17YS-10DS-HU	Connector Type	HRP-08-S
			
Terminal No.	1	Terminal No.	1
Color of Wire	SHIELD	Color of Wire	SHIELD
Signal Name [Specification]	-	Signal Name [Specification]	-
			

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# CONNECTOR INFORMATION

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

## R Room Lamp Harness

INFOID:000000008278141

### ROOM LAMP HARNESS

Connector No.	R1
Connector Name	WIRE TO WIRE
Connector Type	TH12MW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	B/Y	-
2	SHIELD	-
3	B	-
4	W	-
5	R	-
7	B/R	-
8	SHIELD	-
9	B	-
11	Y	-
12	SHIELD	-

Connector No.	R2
Connector Name	WIRE TO WIRE
Connector Type	NS00MR-GS



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

Connector No.	R3
Connector Name	MICROPHONE
Connector Type	TK04FW



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

Connector No.	R4
Connector Name	MAP LAMP
Connector Type	TK08FY



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

Connector No.	R5
Connector Name	SUNROOF MOTOR ASSEMBLY
Connector Type	NS06FW-GS



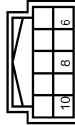
Terminal No.	Color of Wire	Signal Name [Specification]
1	SHIELD	-
2	SHIELD	-
3	SHIELD	-
4	SHIELD	-
5	SHIELD	-
6	SHIELD	-

Connector No.	R6
Connector Name	SUNROOF SWITCH
Connector Type	TK03FW



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

Connector No.	R8
Connector Name	AUTO ANTI-DAZZLING INSIDE MIRROR
Connector Type	TH10FB-NH



Terminal No.	Color of Wire	Signal Name [Specification]
6	B/R	-
8	B	-
10	B/Y	-

Connector No.	R10
Connector Name	VANITY MIRROR LAMP (PASSENGER SIDE)
Connector Type	5557-02R



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

Connector No.	R14
Connector Name	VANITY MIRROR LAMP (DRIVER SIDE)
Connector Type	5557-02R



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

# CONNECTOR INFORMATION



< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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**ROOM LAMP HARNESS**

Connector No.	RI15
Connector Name	ROOM LAMP
Connector Type	Z434Z-3M10D

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

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JRMWD1956GB

# HARNESS CONNECTOR

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## HARNESS CONNECTOR

### Description

INFOID:000000008278142

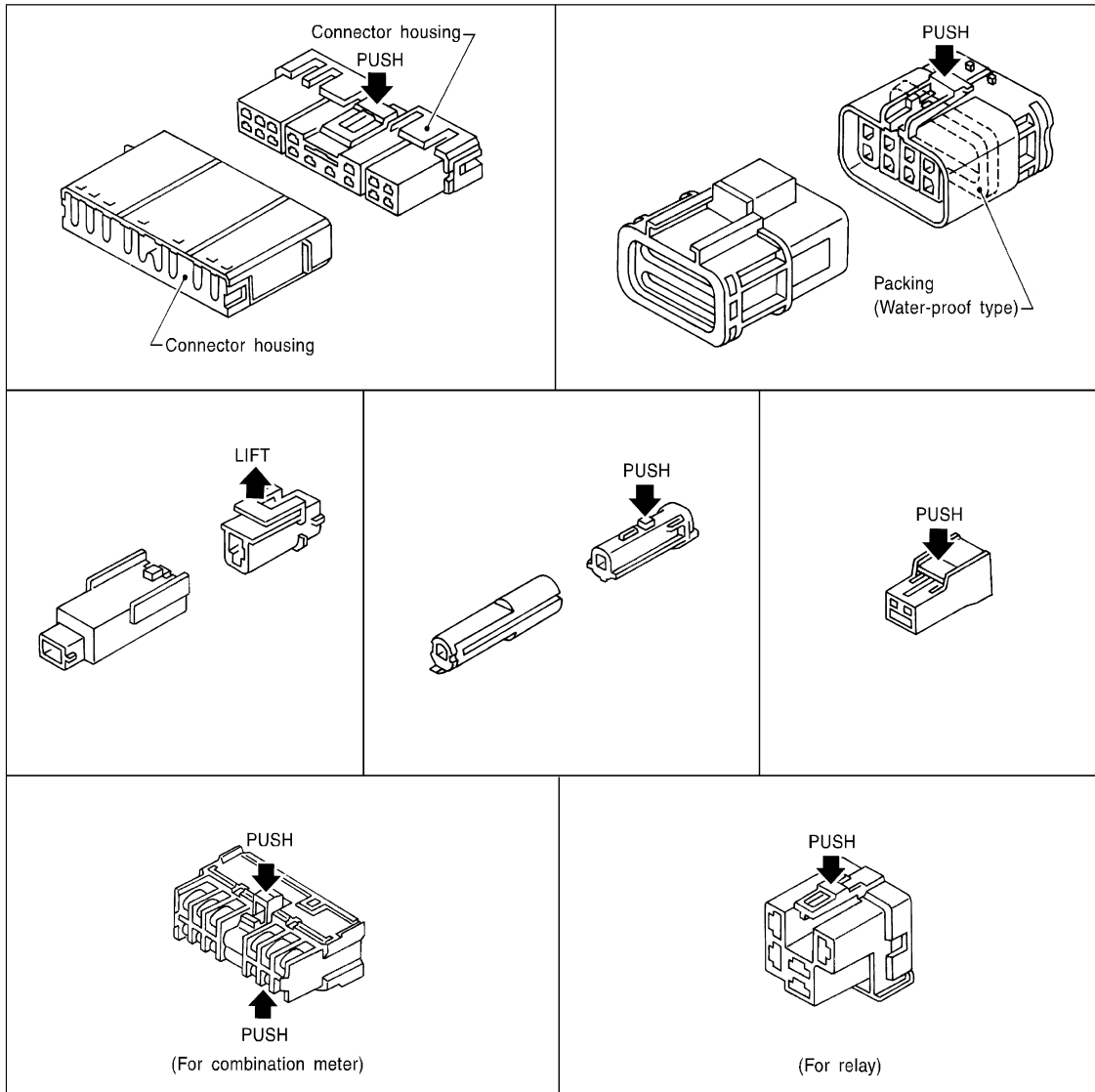
#### HARNESS CONNECTOR (TAB-LOCKING TYPE)

- 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.



# HARNESS CONNECTOR

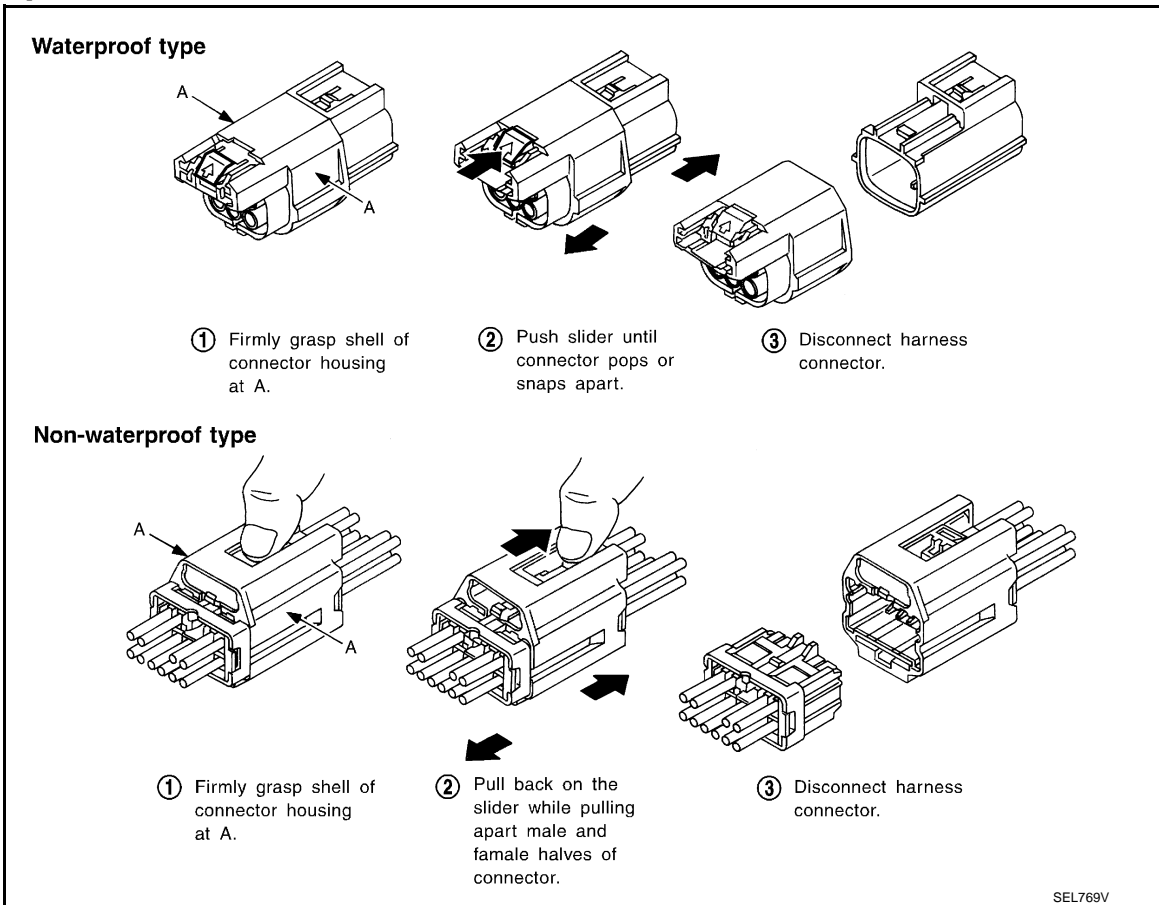
< DTC/CIRCUIT DIAGNOSIS >

[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:**

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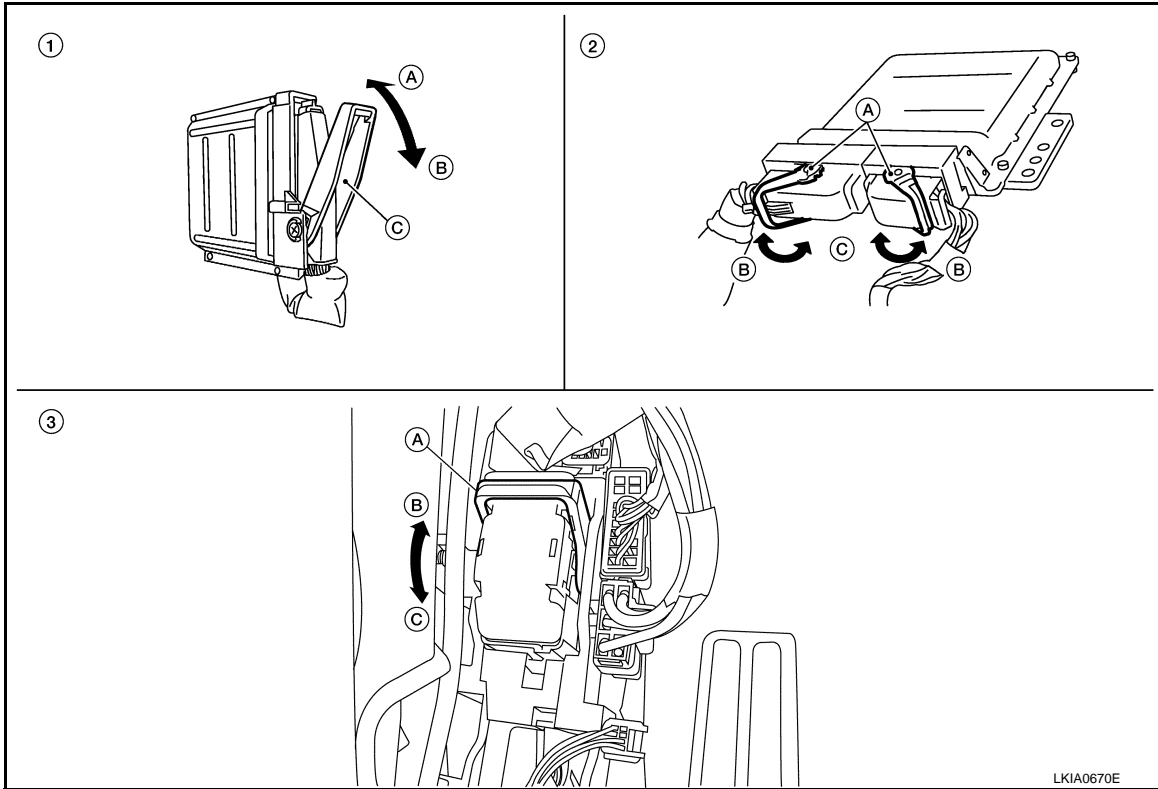
PG

# 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

# STANDARDIZED RELAY

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

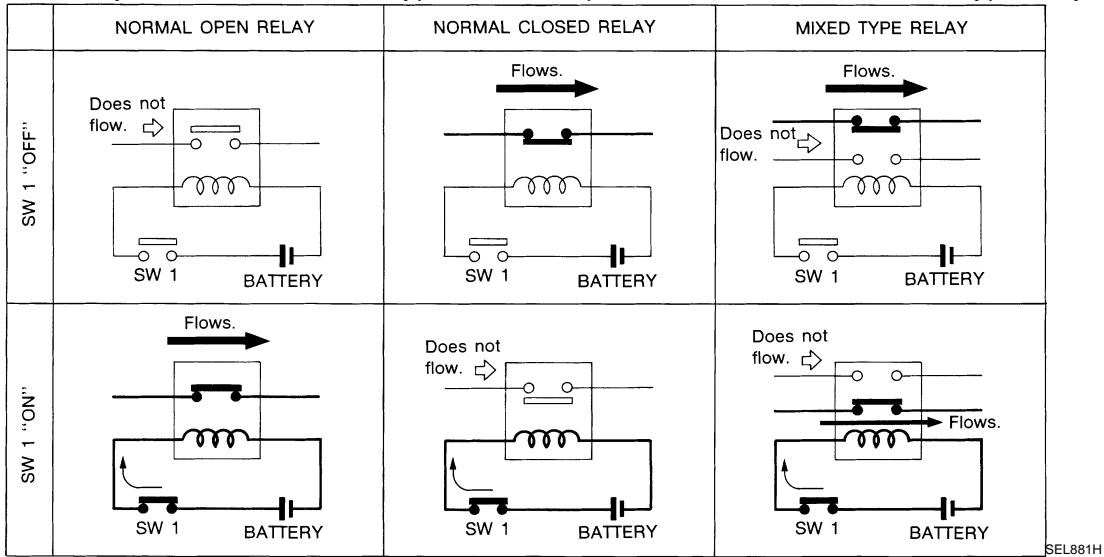
## STANDARDIZED RELAY

### Description

INFOID:000000008278143

### 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

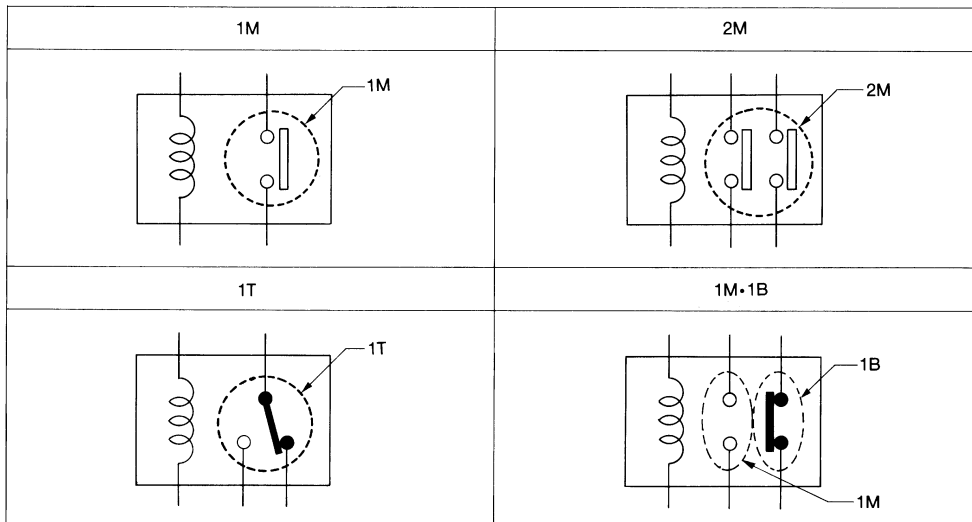
### TYPE OF STANDARDIZED RELAYS

1M ..... 1 Make

2M ..... 2 Make

1T ..... 1 Transfer

1M-1B ..... 1 Make 1 Break



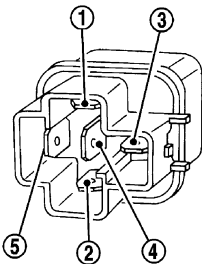
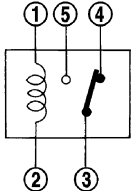
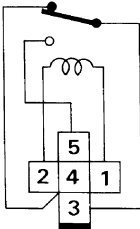
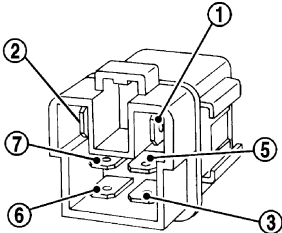
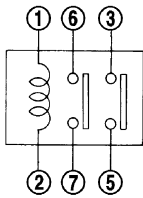
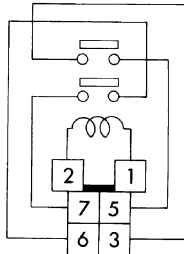
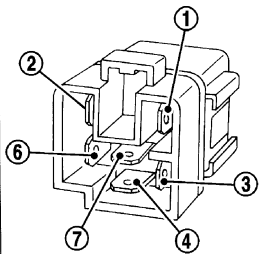
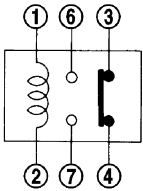
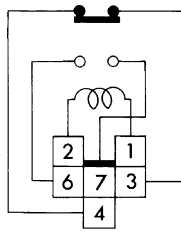
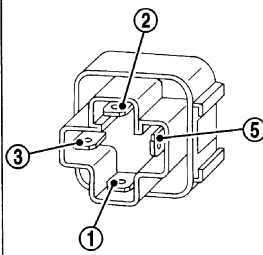
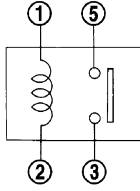
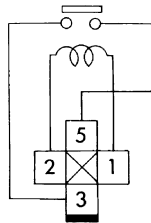
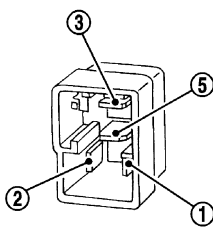
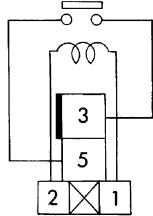
SEL882H

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# 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

# FUSE BLOCK - JUNCTION BOX (J/B)

< DTC/CIRCUIT DIAGNOSIS >

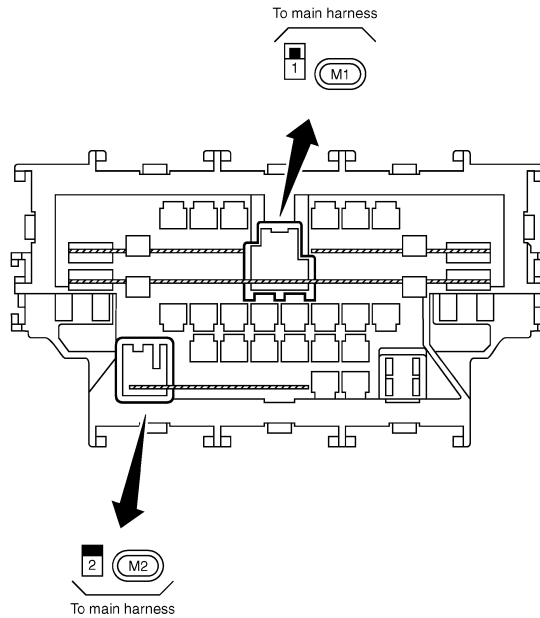
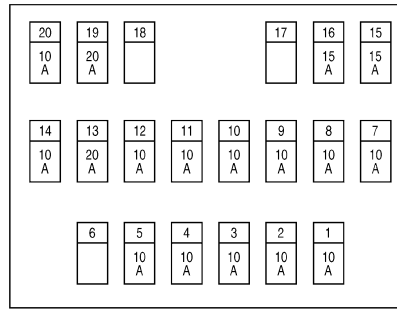
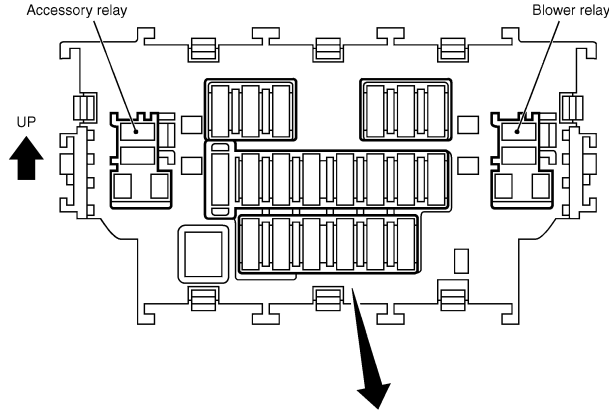
[POWER SUPPLY & GROUND CIRCUIT]

## FUSE BLOCK - JUNCTION BOX (J/B)

### Fuse, Connector and Terminal Arrangement

INFOID:000000008278144

#### FUSE BLOCK-JUNCTION BOX (J/B) Fuse, Connector and Terminal Arrangement



2012/05/23

JRMWD1908GB

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# FUSE, FUSIBLE LINK AND RELAY BOX

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

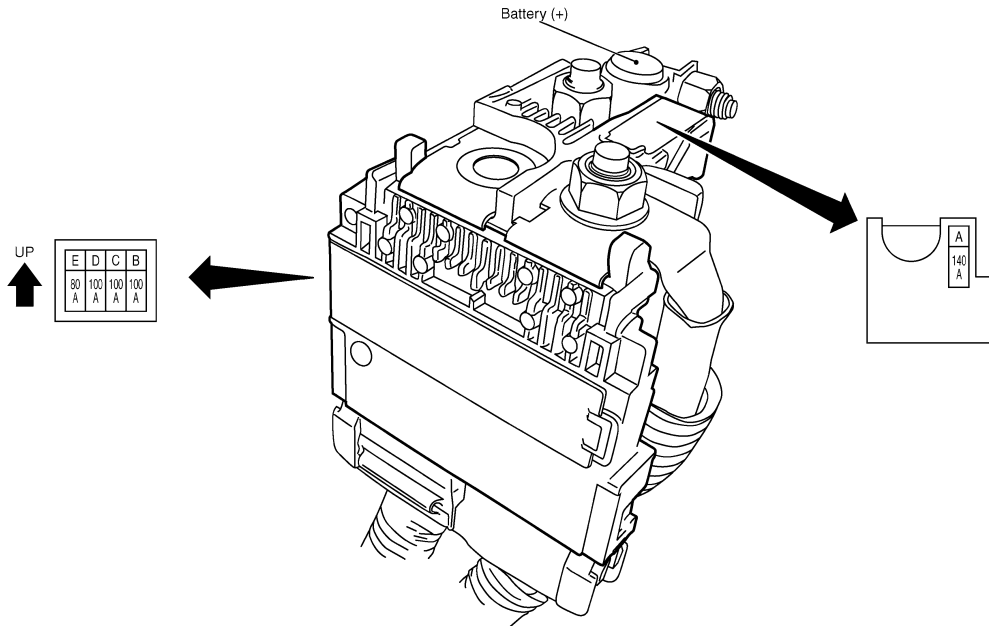
## FUSE, FUSIBLE LINK AND RELAY BOX

### Fuse and Fusible Link Arrangement

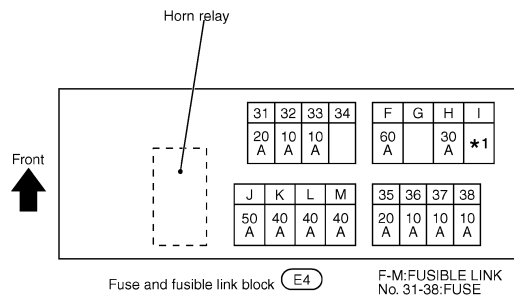
INFOID:000000008278145

#### FUSE, FUSIBLE LINK AND RELAY BOX Fuse and Fusible Link Arrangement

★1 40A : Without VDC  
50A : With VDC



Fusible link holder (E1), (E2), (F2), (F3)



Fuse and fusible link block (E4) F-M:FUSIBLE LINK No. 31-38:FUSE

2012/05/23

JRMWD1909GB

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

< DTC/CIRCUIT DIAGNOSIS >

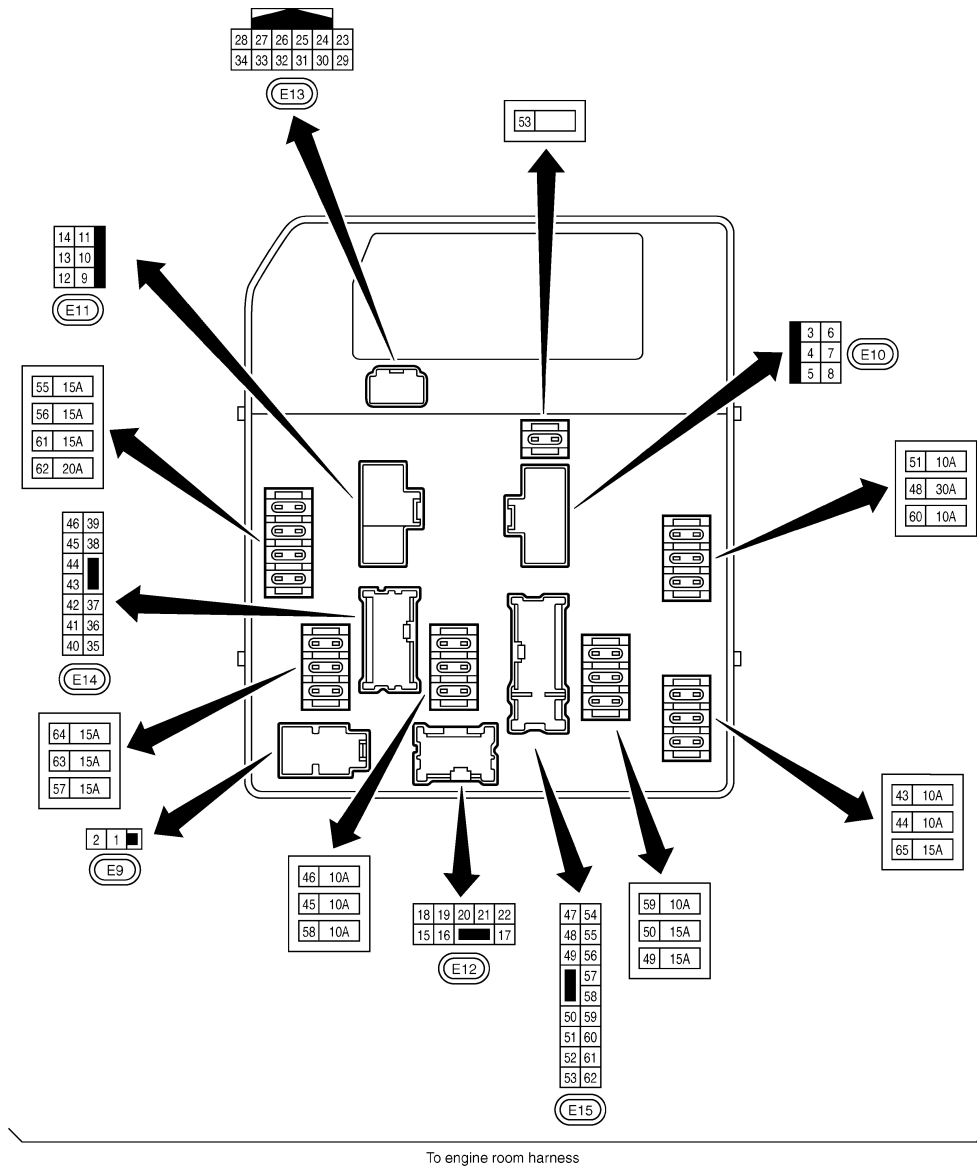
[POWER SUPPLY & GROUND CIRCUIT]

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

### Fuse, Connector and Terminal Arrangement

INFOID:000000008278146

#### IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) Fuse, Connector and Terminal Arrangement



2012/05/23

JRMWD1910GB

**PRECAUTION****PRECAUTIONS****FOR USA AND CANADA****FOR USA AND CANADA : Precaution for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TENSIONER"**

INFOID:000000008278147

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.**

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

INFOID:000000008278148

The Supplemental Restraint System such as "AIR BAG" and "SEAT BELT PRE-TENSIONER", used along with a front seat belt, helps to reduce the risk or severity of injury to the driver and front passenger for certain types of collision. Information necessary to service the system safely is included in the "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:**



# PRECAUTIONS

< PRECAUTION >

[POWER SUPPLY & GROUND CIRCUIT]

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.

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# PREPARATION

[POWER SUPPLY & GROUND CIRCUIT]

< PREPARATION >

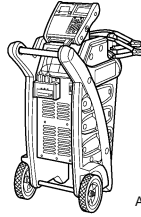
## PREPARATION

### PREPARATION

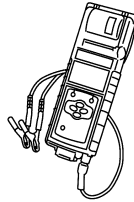
#### Special Service Tools

INFOID:000000008278149

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



JSMA0806ZZ

# BATTERY

< REMOVAL AND INSTALLATION >

[POWER SUPPLY & GROUND CIRCUIT]

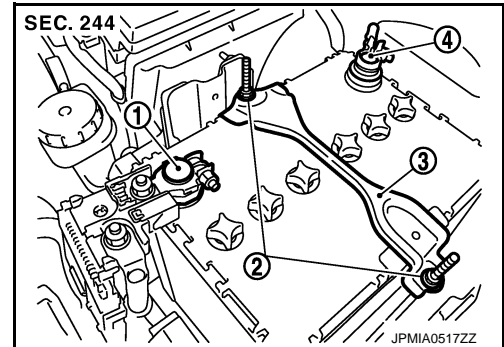
## REMOVAL AND INSTALLATION

### BATTERY

#### Exploded View

INFOID:000000008278150

- 1 : Battery terminal (+)
- 2 : Battery fix frame mounting nuts
- 3 : Battery fix frame
- 4 : Battery terminal (-)



#### Removal and Installation

INFOID:000000008278151

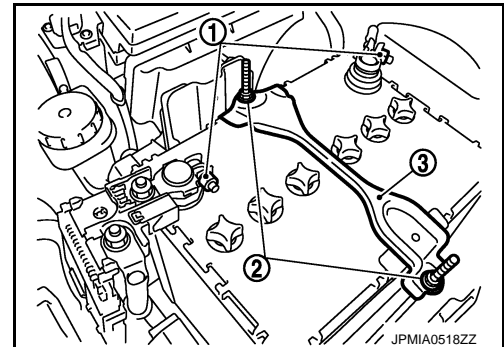
##### REMOVAL

1. Remove cover of battery positive terminal.
2. 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.**

3. Remove battery fix frame mounting nuts (2) and battery fix frame (3).
4. 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**

 : 5.4 N·m (0.55 kg-m, 48 in-lb)

**Battery terminal nut**

 : 5.4 N·m (0.55 kg-m, 48 in-lb)

Reset electronic systems as necessary. Refer to [GI-57, "ADDITIONAL SERVICE WHEN REMOVING BATTERY NEGATIVE TERMINAL : Required Procedure After Battery Disconnection"](#).

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# BATTERY TERMINAL WITH FUSIBLE LINK

< REMOVAL AND INSTALLATION >

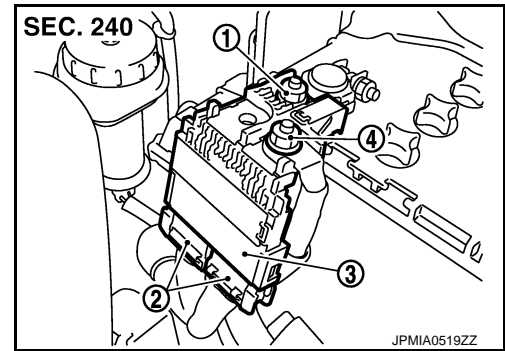
[POWER SUPPLY & GROUND CIRCUIT]

## BATTERY TERMINAL WITH FUSIBLE LINK

### Exploded View

INFOID:000000008278152

- 1 : Fusible link holder mounting nut
- 2 : Harness connector
- 3 : Battery terminal with fusible link
- 4 : Harness mounting nut

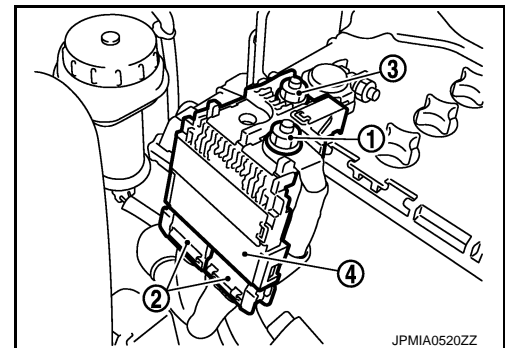


### Removal and Installation

INFOID:000000008278153

#### REMOVAL


1. Disconnect the battery cable from the negative terminal.
2. Remove cover of battery positive terminal.
3. Remove harness mounting nut (1) to disconnect harness connectors (2).
4. 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)

# 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:000000008278154

Type		80D23L
20 hour rate capacity	[V - Ah]	12 - 62
Cold cranking current (For reference value)	[A]	582

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