

SECTION **PG**

**POWER SUPPLY, GROUND & CIRCUIT ELEMENTS**

**CONTENTS**

<b>POWER SUPPLY &amp; GROUND CIRCUIT</b>		
<b>BASIC INSPECTION</b> .....	3	
<b>BATTERY</b> .....	3	
How to Handle Battery .....	3	
Work Flow .....	3	
<b>DTC/CIRCUIT DIAGNOSIS</b> .....	6	
<b>POWER SUPPLY ROUTING CIRCUIT</b> .....	6	
Wiring Diagram - BATTERY POWER SUPPLY - .....	6	
Wiring Diagram - BATTERY POWER SUPPLY		
FUSIBLE LINK No. K - .....	9	
Wiring Diagram - BATTERY POWER SUPPLY		
FUSE No. 6 - .....	10	
Wiring Diagram - BATTERY POWER SUPPLY		
FUSE No. 7 - .....	11	
Wiring Diagram - BATTERY POWER SUPPLY		
FUSE No. 9 - .....	12	
Wiring Diagram - BATTERY POWER SUPPLY		
FUSE No. 10 - .....	13	
Wiring Diagram - BATTERY POWER SUPPLY		
FUSE No. 11 - .....	14	
Wiring Diagram - BATTERY POWER SUPPLY		
FUSE No. 34 - .....	15	
Wiring Diagram - BATTERY POWER SUPPLY		
FUSE No. 50 - .....	16	
Wiring Diagram - BATTERY POWER SUPPLY		
FUSE No. 53 - .....	17	
Wiring Diagram - ACCESSORY POWER SUPPLY - .....	19	
Wiring Diagram - ACCESSORY POWER SUPPLY FUSE No. 19 - .....	20	
Wiring Diagram - ACCESSORY POWER SUPPLY FUSE No. 20 - .....	21	
Wiring Diagram - IGNITION POWER SUPPLY - .....	22	
Wiring Diagram - IGNITION POWER SUPPLY		
FUSE No. 3 - .....	25	
Wiring Diagram - IGNITION POWER SUPPLY		
FUSE No. 4 - .....	27	
Wiring Diagram - IGNITION POWER SUPPLY		
FUSE No. 44 - .....	28	
Wiring Diagram - IGNITION POWER SUPPLY		
FUSE No. 45 - .....	29	
Fuse .....	30	
Fusible Link .....	32	
Circuit Breaker .....	32	
<b>HARNES LAYOUT</b> .....	33	
How To Read Harness Layout .....	33	
Engine Room Harness .....	34	
Engine Control Harness .....	35	
Main Harness .....	40	
Body Harness .....	42	
Door Harness .....	44	
Room Lamp Harness .....	48	
<b>CONNECTOR INFORMATION</b> .....	49	
How to Read Connector Type .....	49	
B Body Harness .....	50	
D Door Harness .....	63	
E Engine Room Harness .....	69	
F Engine Control Harness .....	77	
M Main Harness .....	87	
R Room Lamp Harness .....	105	
<b>HARNES CONNECTOR</b> .....	107	
Description .....	107	
<b>STANDARDIZED RELAY</b> .....	110	
Description .....	110	
<b>FUSE BLOCK - JUNCTION BOX (J/B)</b> .....	112	
Fuse, Connector and Terminal Arrangement .....	112	
<b>FUSE, FUSIBLE LINK AND RELAY BOX</b> .....	113	
Fuse and Fusible Link Arrangement .....	113	
<b>IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)</b> .....	114	
Fuse, Connector and Terminal Arrangement .....	114	

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



<b>PRECAUTION</b> .....	115	<b>BATTERY</b> .....	117
<b>PRECAUTIONS</b> .....	115	Exploded View .....	117
Precaution for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TEN- SIONER" .....	115	Removal and Installation .....	117
Precaution for Procedure without Cowl Top Cover.	115	<b>BATTERY TERMINAL WITH FUSIBLE LINK..</b>	119
<b>PREPARATION</b> .....	116	Exploded View .....	119
<b>PREPARATION</b> .....	116	Removal and Installation .....	119
Special Service Tools .....	116	<b>SERVICE DATA AND SPECIFICATIONS</b>	
<b>REMOVAL AND INSTALLATION</b> .....	117	<b>(SDS)</b> .....	120
		<b>SERVICE DATA AND SPECIFICATIONS</b>	
		<b>(SDS)</b> .....	120
		Battery .....	120

## BASIC INSPECTION

### BATTERY

#### How to Handle Battery

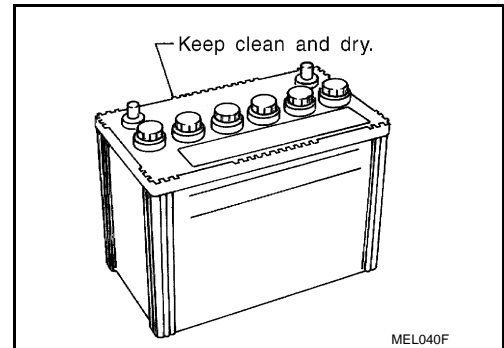
INFOID:000000007732894

**CAUTION:**

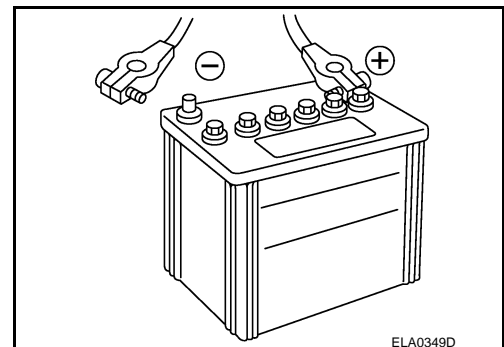
- If it becomes necessary to start the engine with a booster battery and jumper cables, use a 12-volt booster battery.
- After connecting battery cables, ensure that they are tightly clamped to battery terminals for good contact.
- Never add distilled water through the hole used to check specific gravity.

#### 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:000000007732895

#### 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.

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

PG

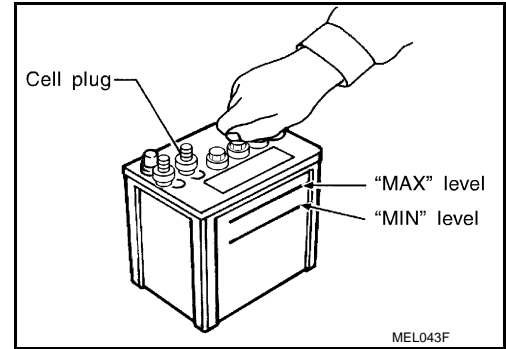
N  
O  
P

# BATTERY

## [POWER SUPPLY & GROUND CIRCUIT]

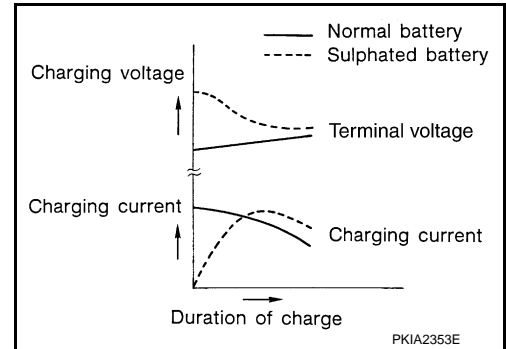
### < BASIC INSPECTION >

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



### SULPHATION

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



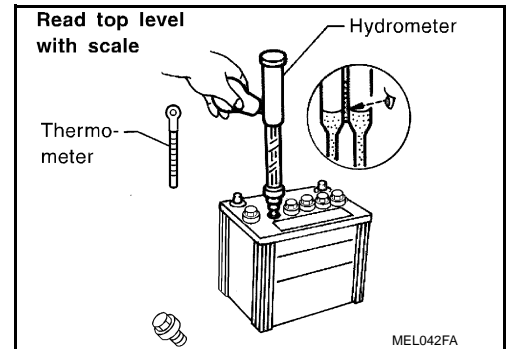
### Specific Gravity Check

#### NOTE:

Check the charge condition of the battery.

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

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



### Hydrometer Temperature Correction

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

# BATTERY

< BASIC INSPECTION >

[POWER SUPPLY & GROUND CIRCUIT]

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

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

## Charging The Battery

### CAUTION:

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

### Charging Rates (Standard Charge)

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

### Charging Rates (Quick Charge)

Approximate charge condition	Charge current (A)	Charge time (h)
Fully charged	—	—
3/4 charged	13	0.5
1/2 charged	26	
1/4 charged		
Almost discharged	—	—
Completely discharged	—	—

### NOTE:

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

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

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

PG

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >


[POWER SUPPLY & GROUND CIRCUIT]

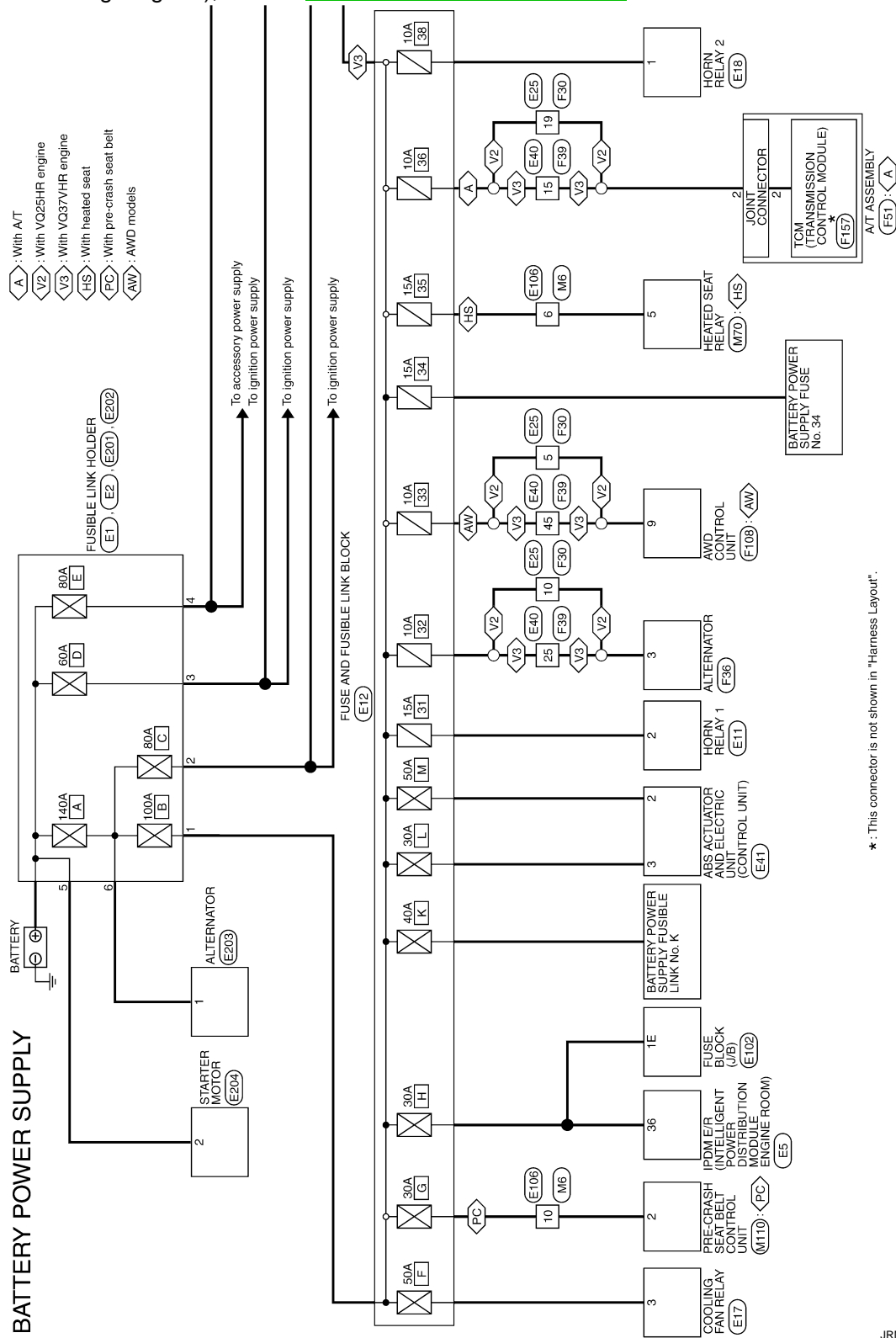
## DTC/CIRCUIT DIAGNOSIS

### POWER SUPPLY ROUTING CIRCUIT

#### Wiring Diagram - BATTERY POWER SUPPLY -

INFOID:000000007467041

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

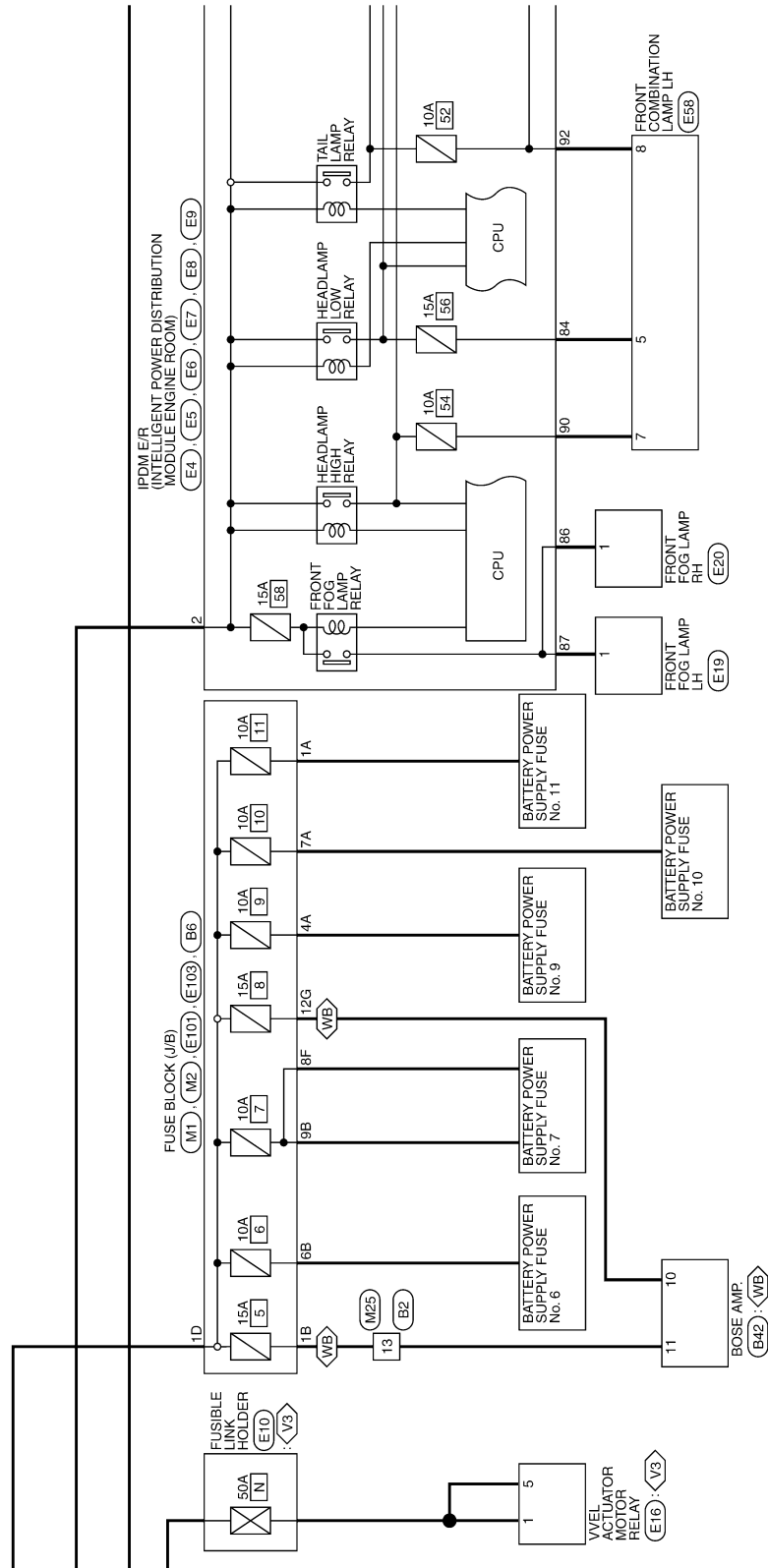


# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

V3 : With VQ37VHR engine  
WB : With BOSE system




JRMWC4283GB

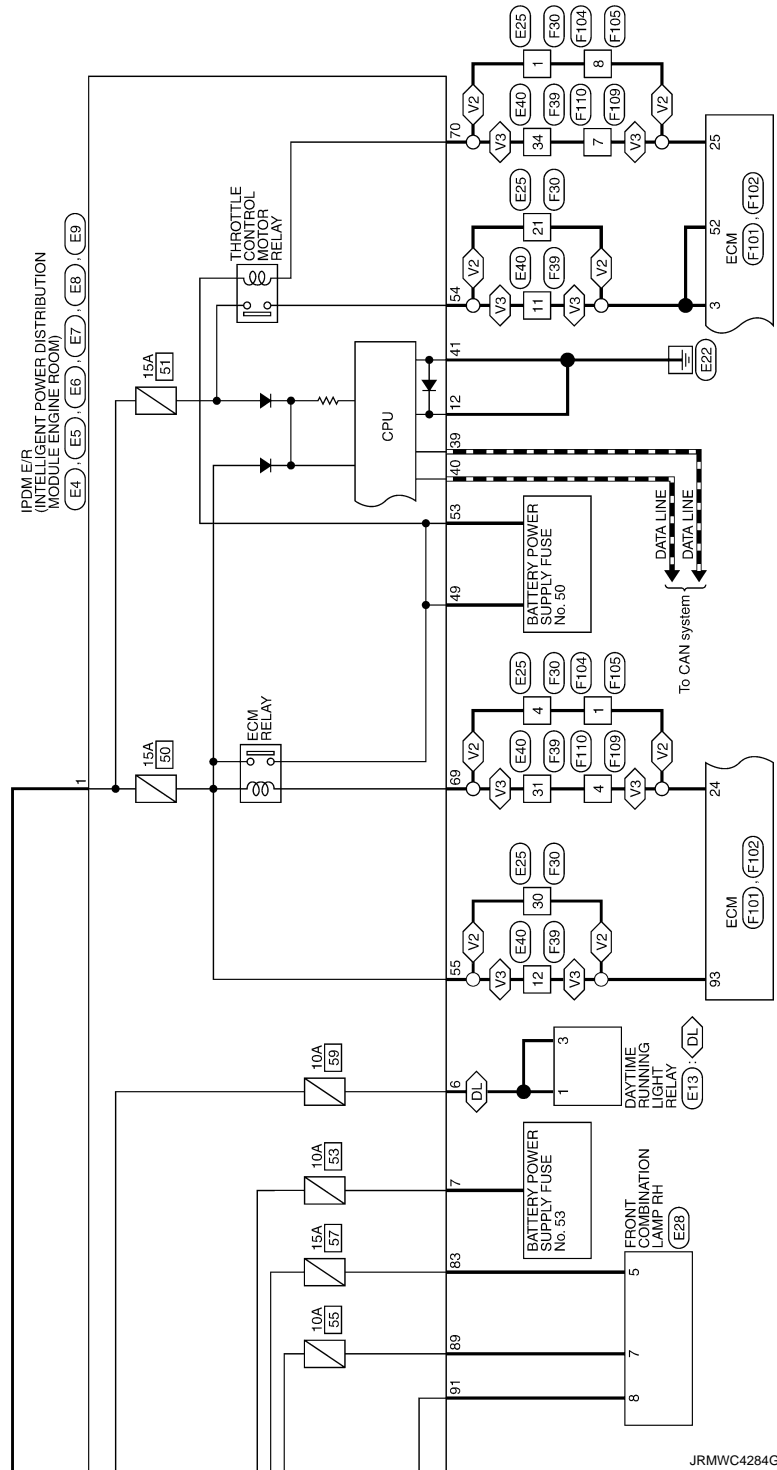
A  
B  
C  
D  
E  
F  
G  
H  
I  
J  
K  
L  
PG  
N  
O  
P

# POWER SUPPLY ROUTING CIRCUIT

## [POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

-  : With VQ25HR engine
-  : With VQ37VHR engine
-  : With daytime running light system



JRMWC4284GB




# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >




[POWER SUPPLY & GROUND CIRCUIT]

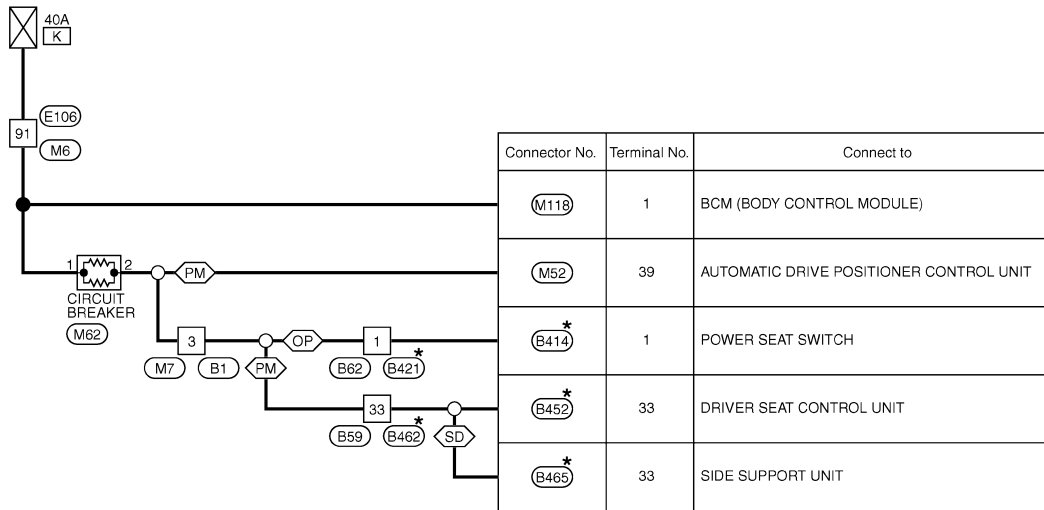
## Wiring Diagram - BATTERY POWER SUPPLY FUSIBLE LINK No. K -

INFOID:000000007467042

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

### BATTERY POWER SUPPLY FUSIBLE LINK No. K

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



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

2010/08/18

JCMWM9783GB

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

PG


# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >


[POWER SUPPLY & GROUND CIRCUIT]

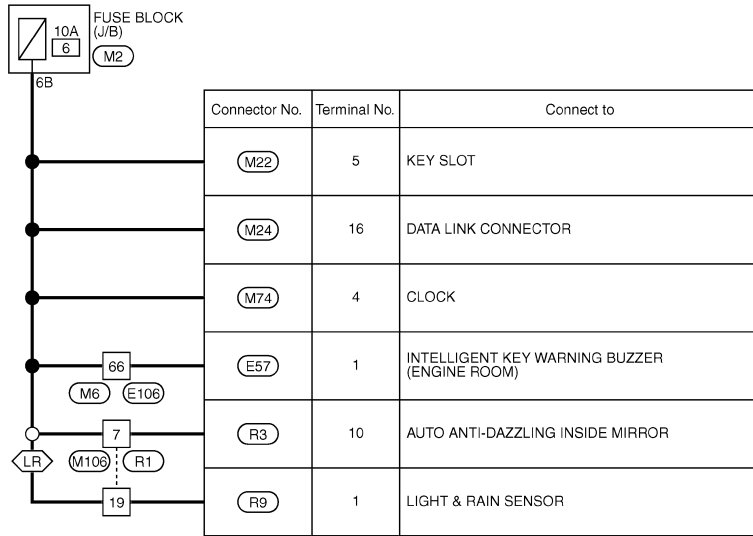
## Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 6 -

INFOID:000000007467043

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

### BATTERY POWER SUPPLY FUSE No. 6

 : With light & rain sensor



2010/08/18

JCMWM9787GB


# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

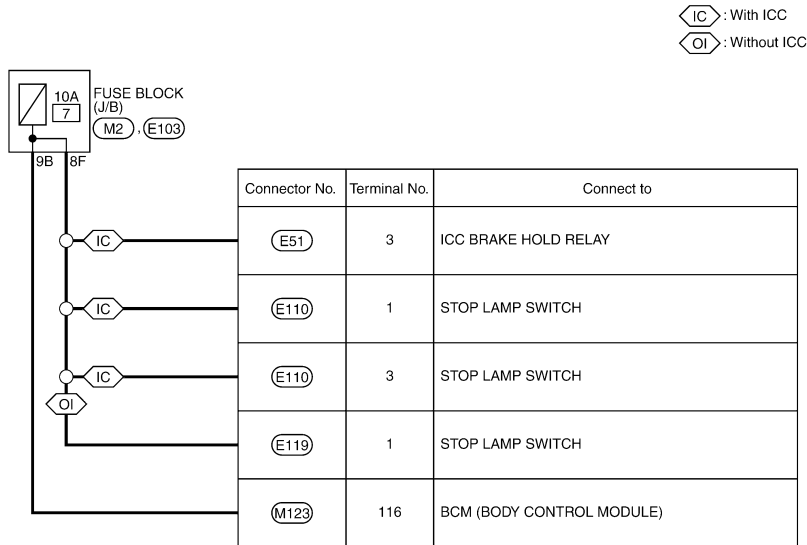
[POWER SUPPLY & GROUND CIRCUIT]

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

INFOID:000000007467044

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

### BATTERY POWER SUPPLY FUSE No. 7



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]

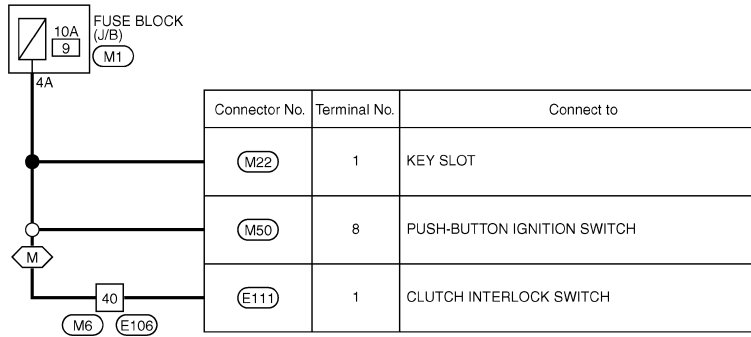
## Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 9 -

INFOID:000000007467045

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

### BATTERY POWER SUPPLY FUSE No. 9

 : With M/T



2010/08/18

JCMWM9791GB


# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >


[POWER SUPPLY & GROUND CIRCUIT]

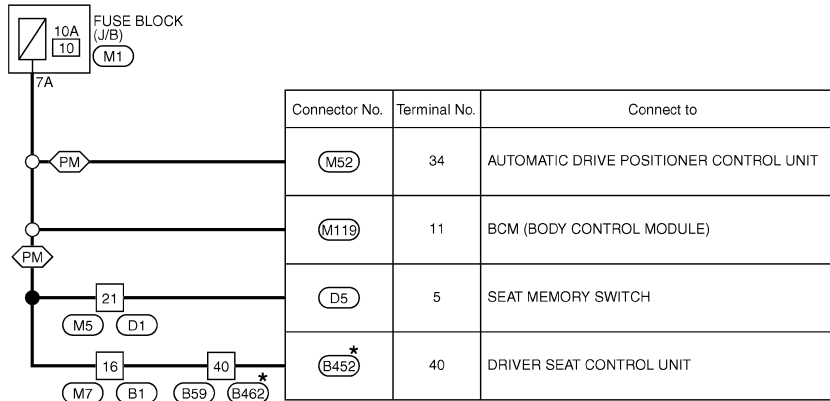
## Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 10 -

INFOID:000000007467046

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

### BATTERY POWER SUPPLY FUSE No. 10

 : With automatic drive positioner



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

2010/08/18

JCMWM9794GB

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]

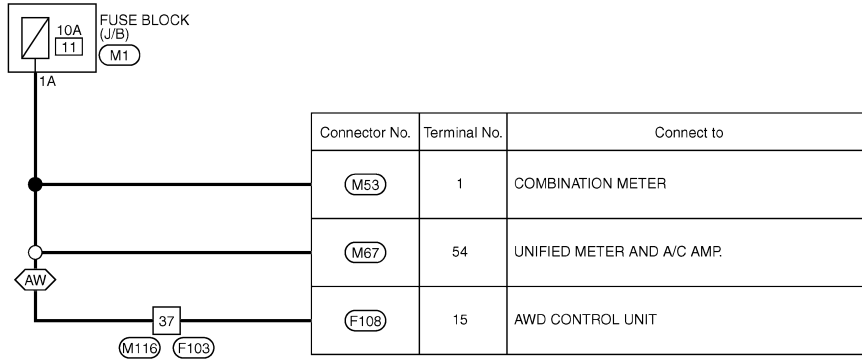
## Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 11 -

INFOID:000000007467047

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

### BATTERY POWER SUPPLY FUSE No. 11

 : AWD models



2008/08/07

JCMWA3067GB


# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

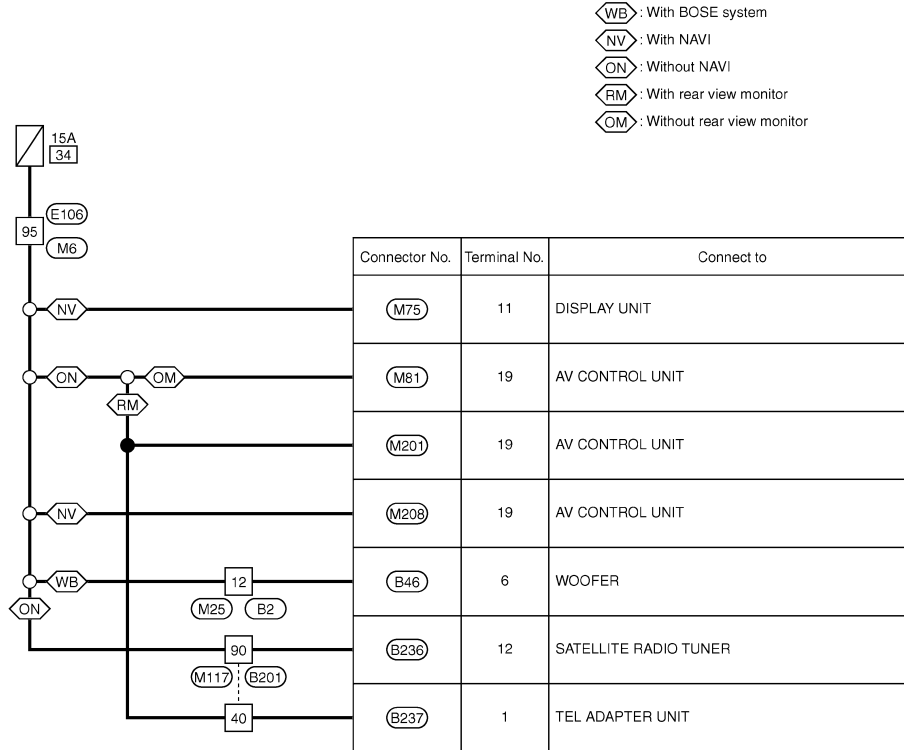
[POWER SUPPLY & GROUND CIRCUIT]






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

INFOID:000000007467048

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

### BATTERY POWER SUPPLY FUSE No. 34



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

2010/08/18

JCMWM9800GB

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


# POWER SUPPLY ROUTING CIRCUIT

## [POWER SUPPLY & GROUND CIRCUIT]

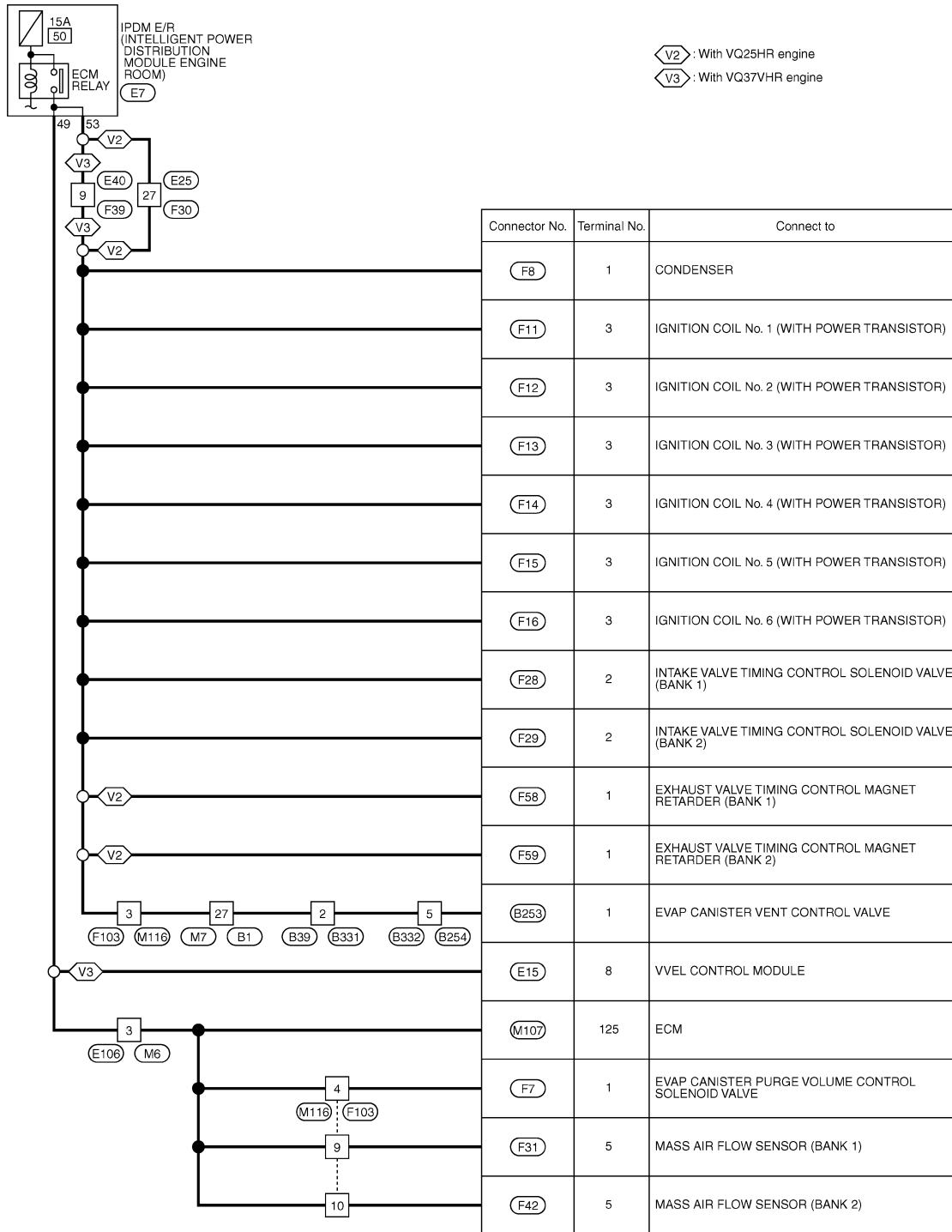
< DTC/CIRCUIT DIAGNOSIS >

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

INFOID:000000007467049

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

#### BATTERY POWER SUPPLY FUSE No. 50



2010/08/18

JCMWM9804GB




# POWER SUPPLY ROUTING CIRCUIT

## [POWER SUPPLY & GROUND CIRCUIT]

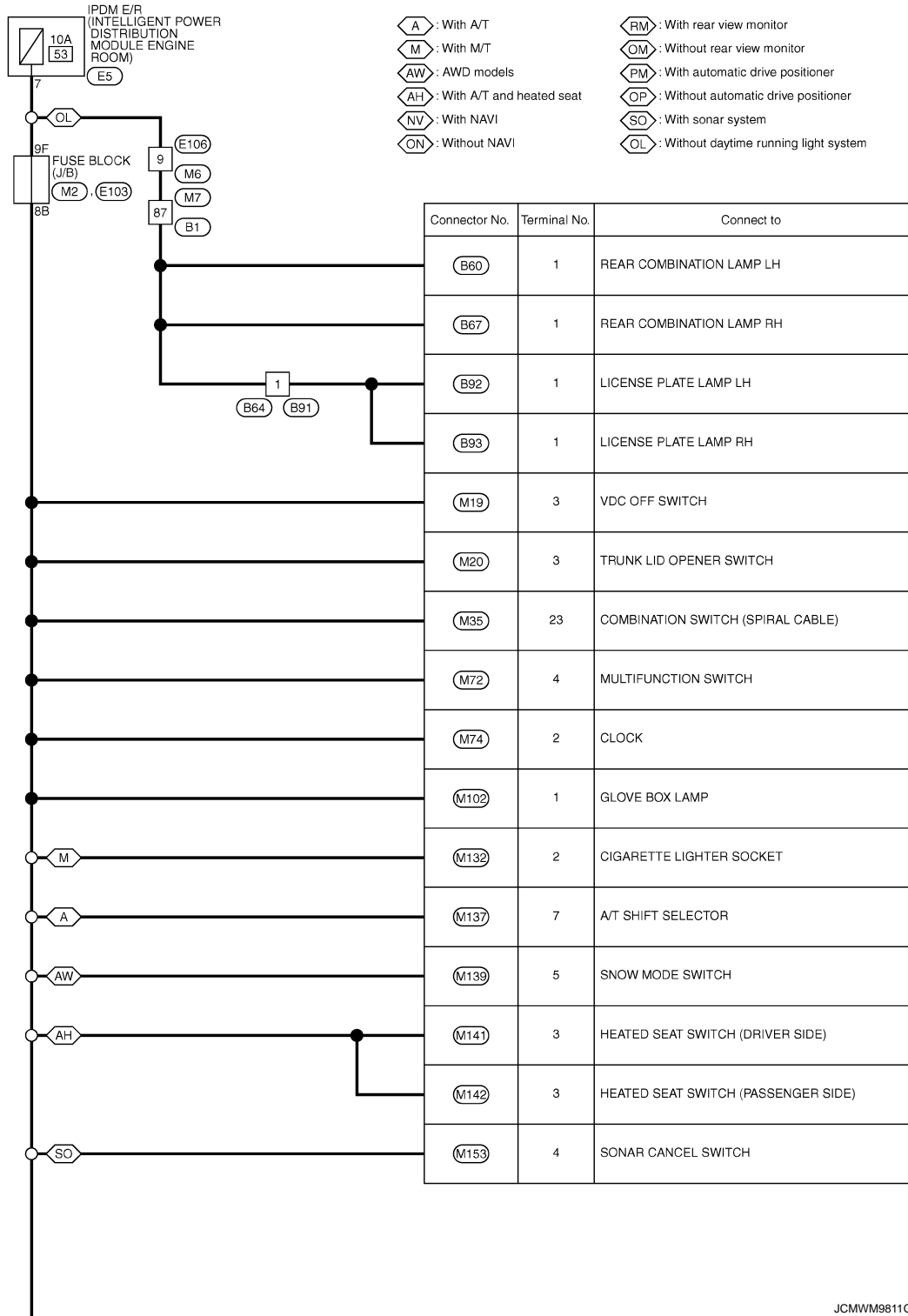
< DTC/CIRCUIT DIAGNOSIS >

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

INFOID:000000007467050

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

#### BATTERY POWER SUPPLY FUSE No. 53



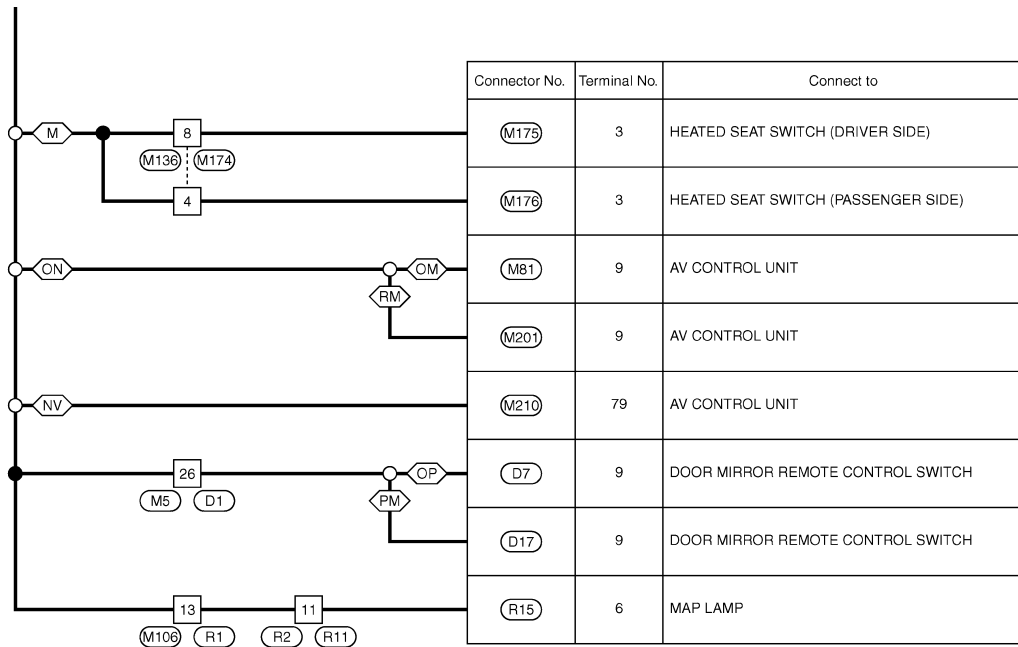
JCMWM9811GB

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]



2010/08/18

JCMWM9812GB

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

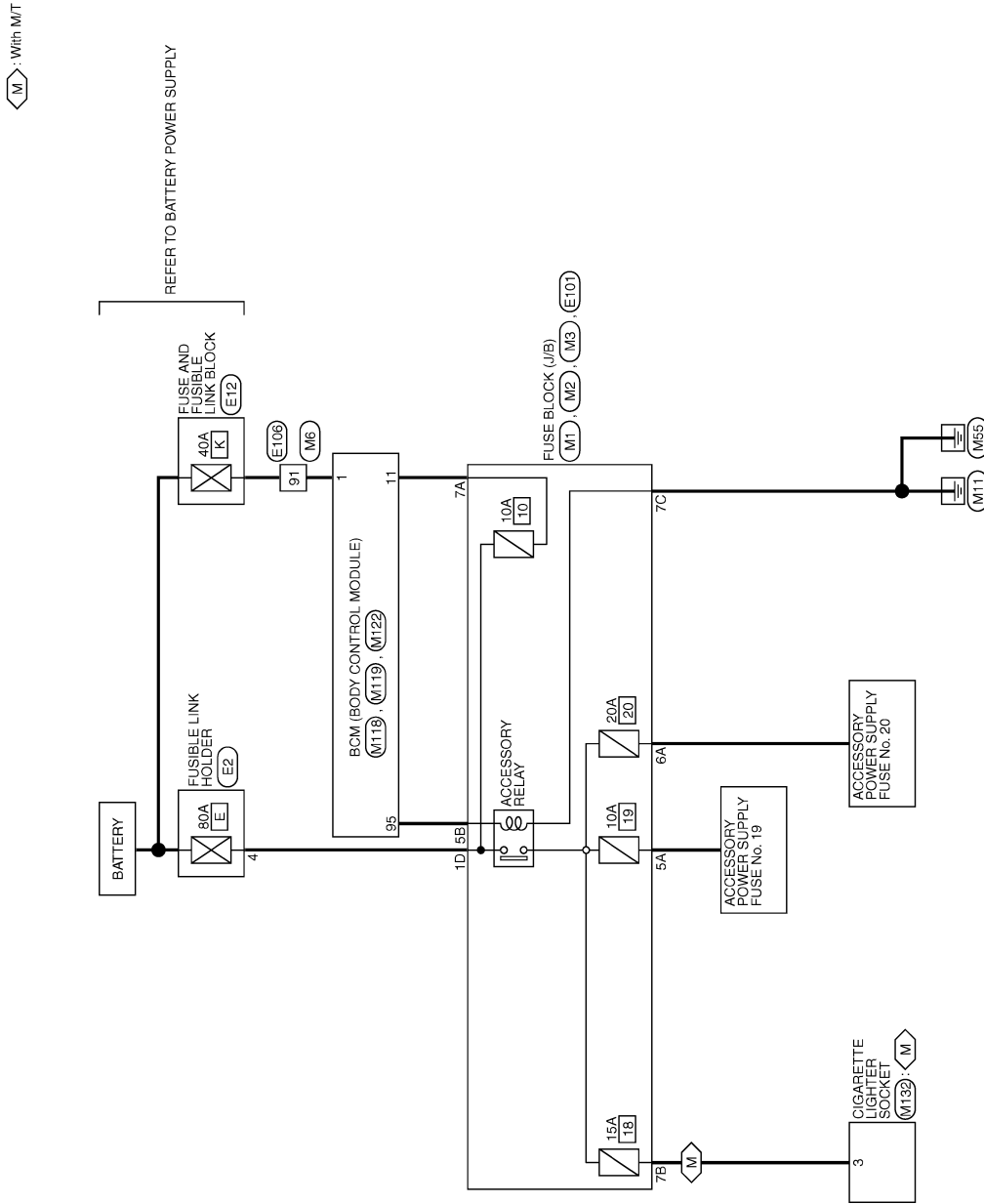
[POWER SUPPLY & GROUND CIRCUIT]

## Wiring Diagram - ACCESSORY POWER SUPPLY -

INFOID:000000007467051

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



2010/08/18

JCMWM9820GB

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

PG


# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >







[POWER SUPPLY & GROUND CIRCUIT]

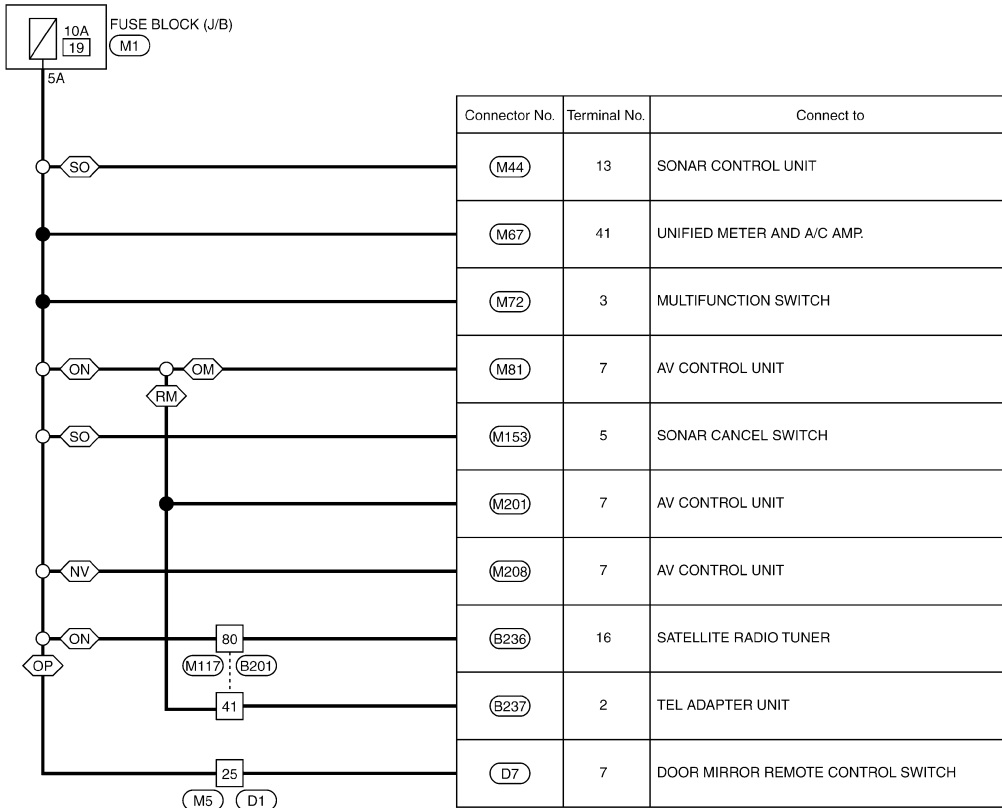
## Wiring Diagram - ACCESSORY POWER SUPPLY FUSE No. 19 -

INFOID:000000007467052

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

### ACCESSORY POWER SUPPLY FUSE No. 19

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



2011/07/07

JRMWC4285GB


# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >



[POWER SUPPLY & GROUND CIRCUIT]

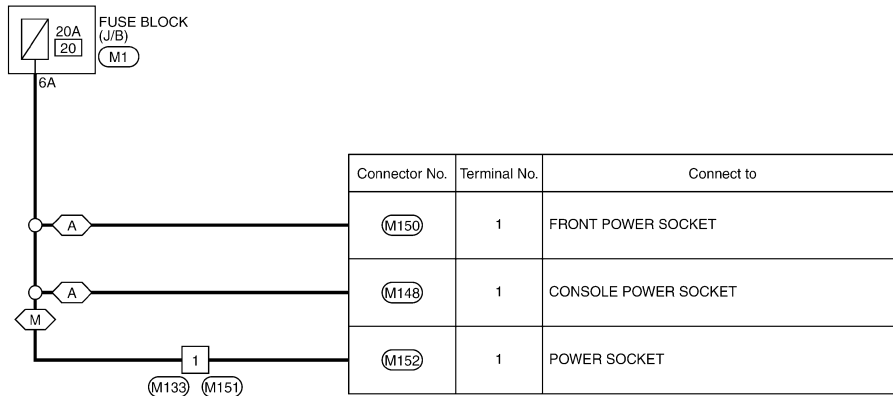
## Wiring Diagram - ACCESSORY POWER SUPPLY FUSE No. 20 -

INFOID:000000007467053

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

### ACCESSORY POWER SUPPLY FUSE No. 20

 : With A/T  
 : With M/T



2011/07/07

JRMWC4286GB

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


# POWER SUPPLY ROUTING CIRCUIT

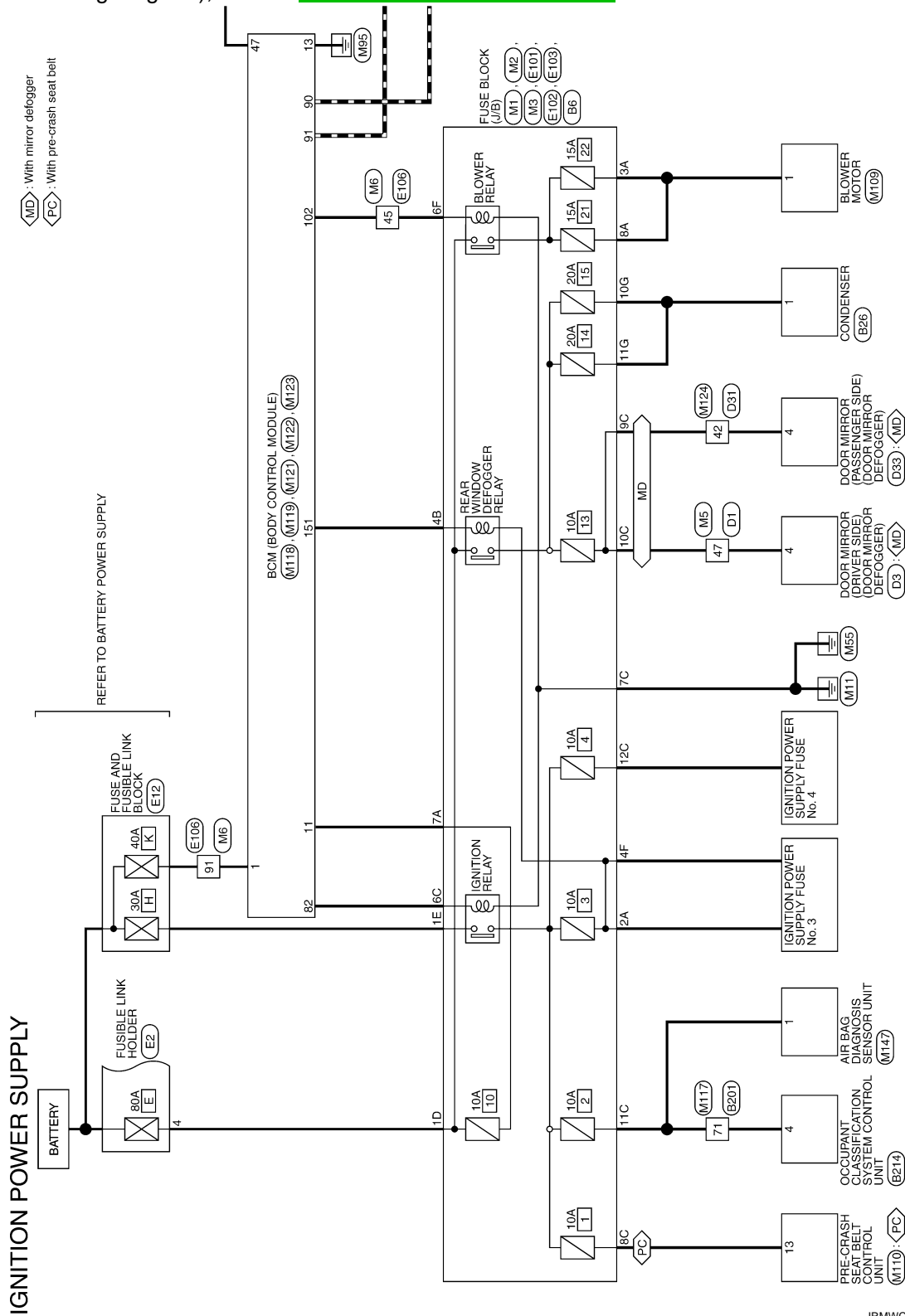
[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

## Wiring Diagram - IGNITION POWER SUPPLY -

INFOID:000000007467054

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



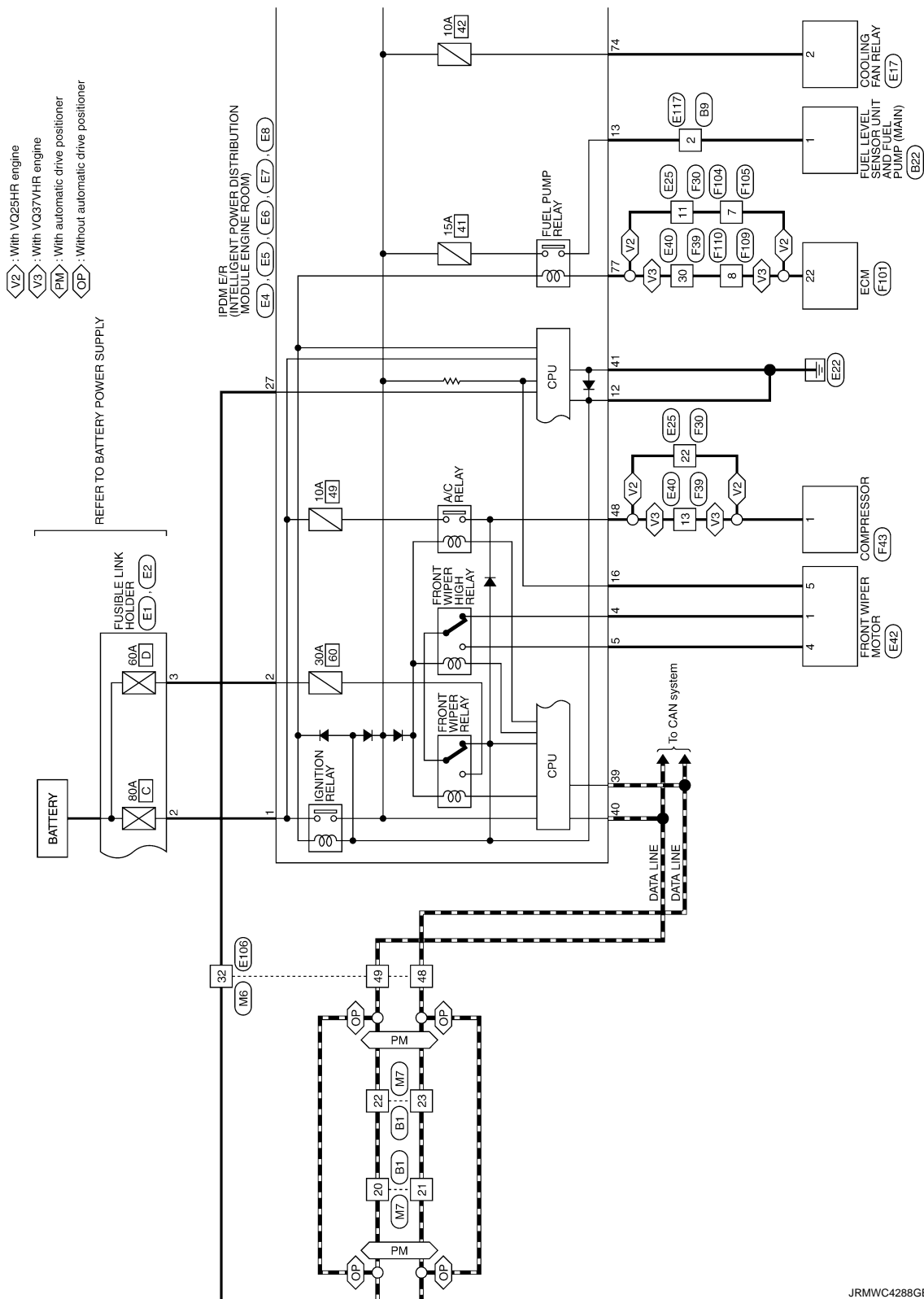
2011/07/07

JRMWC4287GB

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]



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

JRMWC4288GB

# POWER SUPPLY ROUTING CIRCUIT

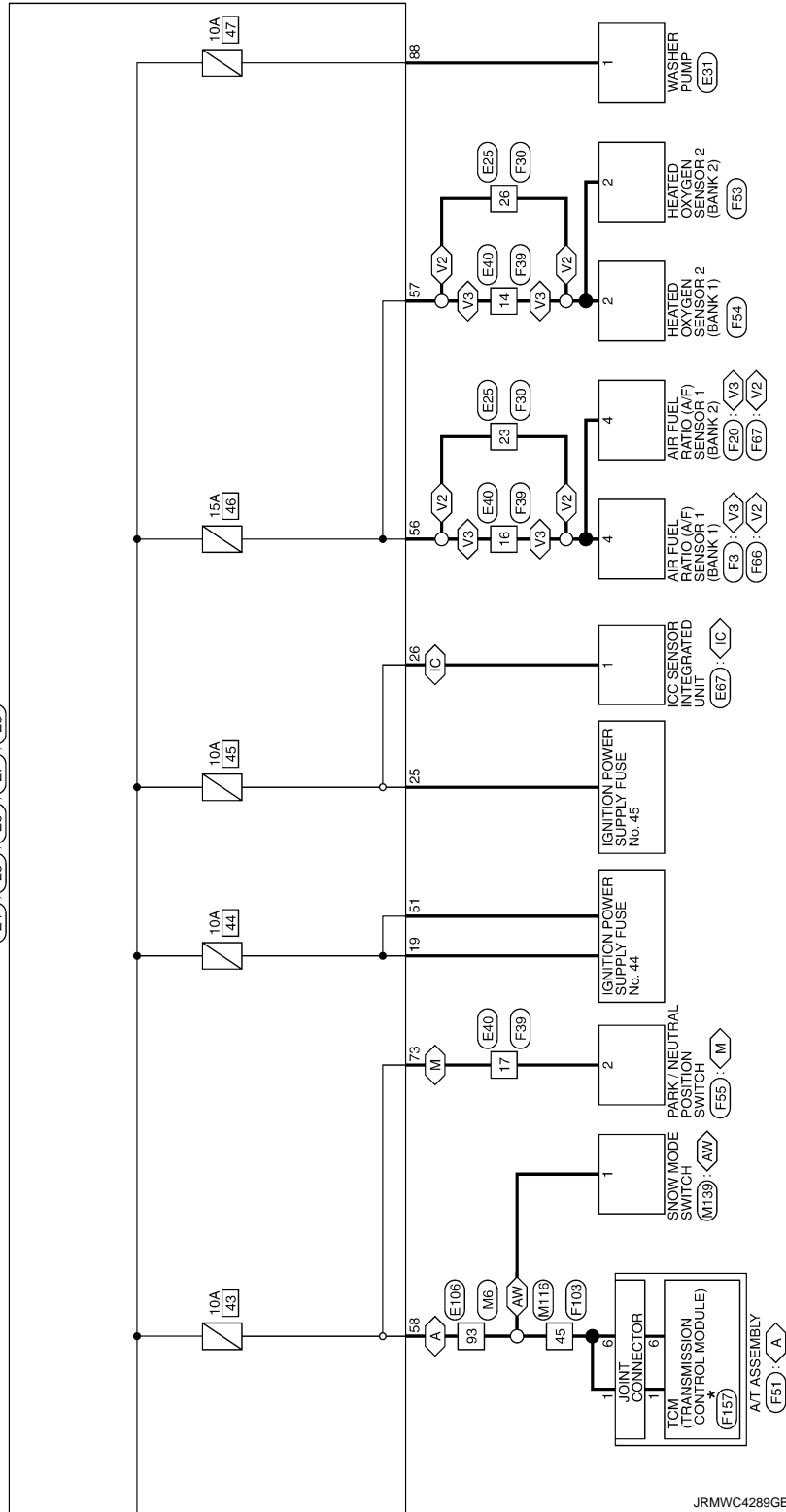
## [POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

- < A > : With A/T
- < M > : With M/T
- < V2 > : With VQ25HR engine
- < V3 > : With VQ37VHR engine
- < AW > : AWD models
- < IC > : With ICC

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

IDM E/R  
(INTELLIGENT POWER DISTRIBUTION  
MODULE ENGINE ROOM)  
(E4) (E5) (E6) (E7) (E8)



JRMWC4289GB




# POWER SUPPLY ROUTING CIRCUIT

## [POWER SUPPLY & GROUND CIRCUIT]

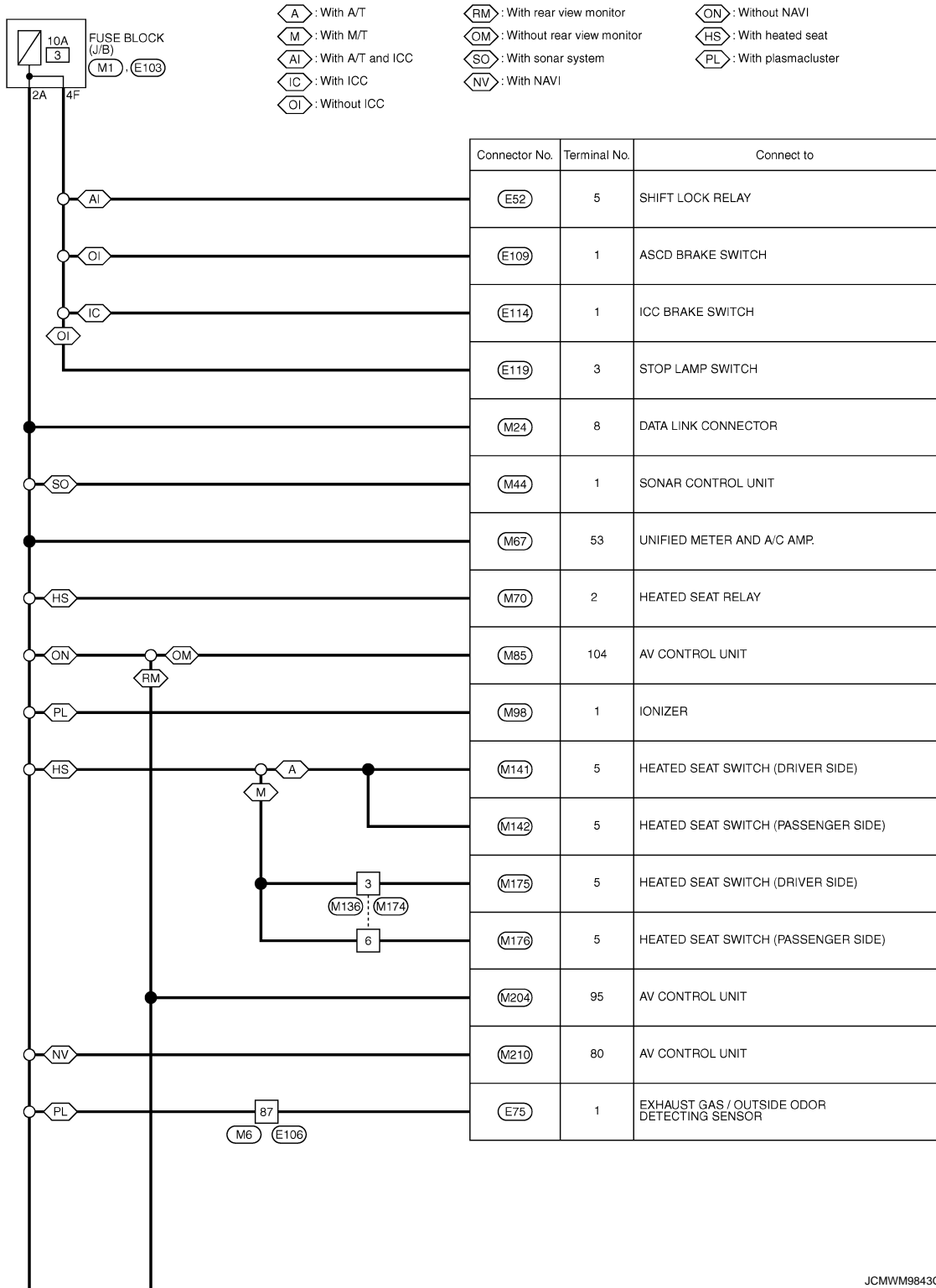
< DTC/CIRCUIT DIAGNOSIS >

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

INFOID:000000007467055

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

#### IGNITION POWER SUPPLY FUSE No. 3

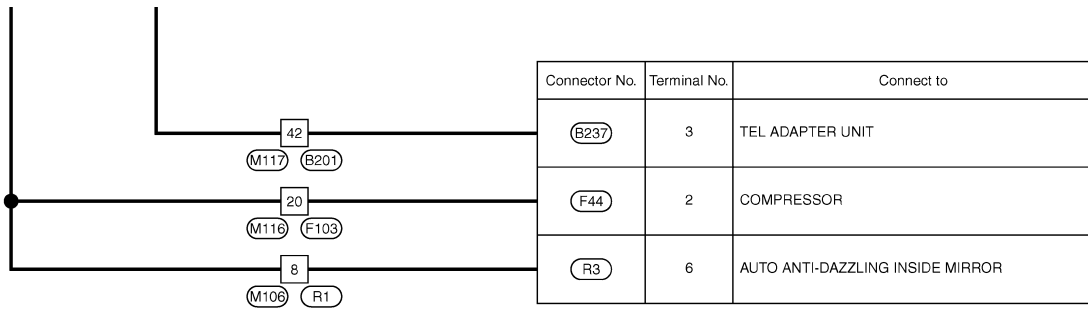


JCMWM9843GB

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]



2010/08/18

JCMWM9844GB


# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >



[POWER SUPPLY & GROUND CIRCUIT]

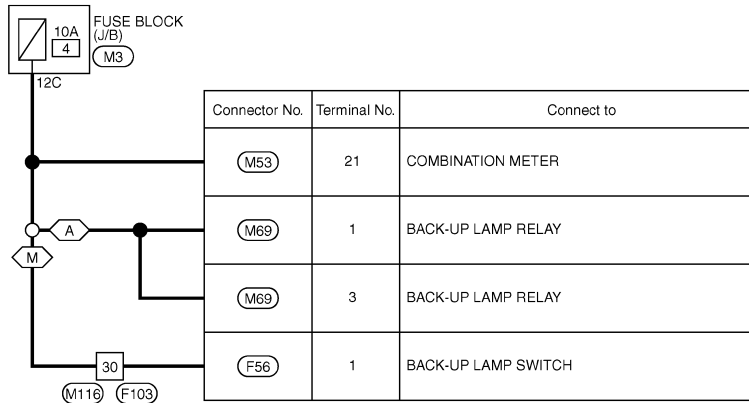
## Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 4 -

INFOID:000000007467056

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

### IGNITION POWER SUPPLY FUSE No. 4

 : With A/T  
 : With M/T



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

2008/08/07

JCMWA3106GB


# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >



[POWER SUPPLY & GROUND CIRCUIT]

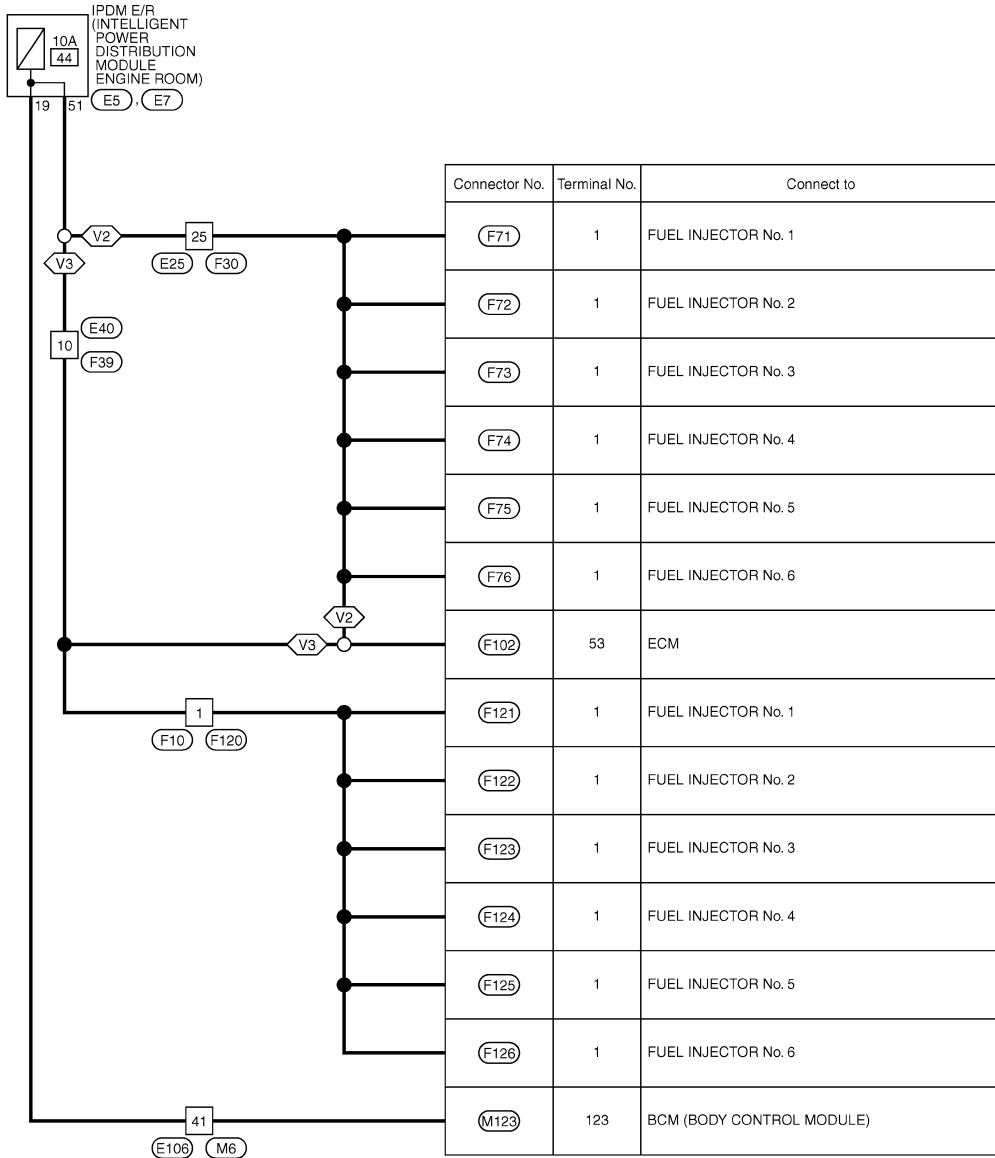
## Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 44 -

INFOID:000000007467057

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

### IGNITION POWER SUPPLY FUSE No. 44

 : With VQ25HR engine  
 : With VQ37VHR engine



2010/08/18

JCMWM9852GB


# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >


[POWER SUPPLY & GROUND CIRCUIT]

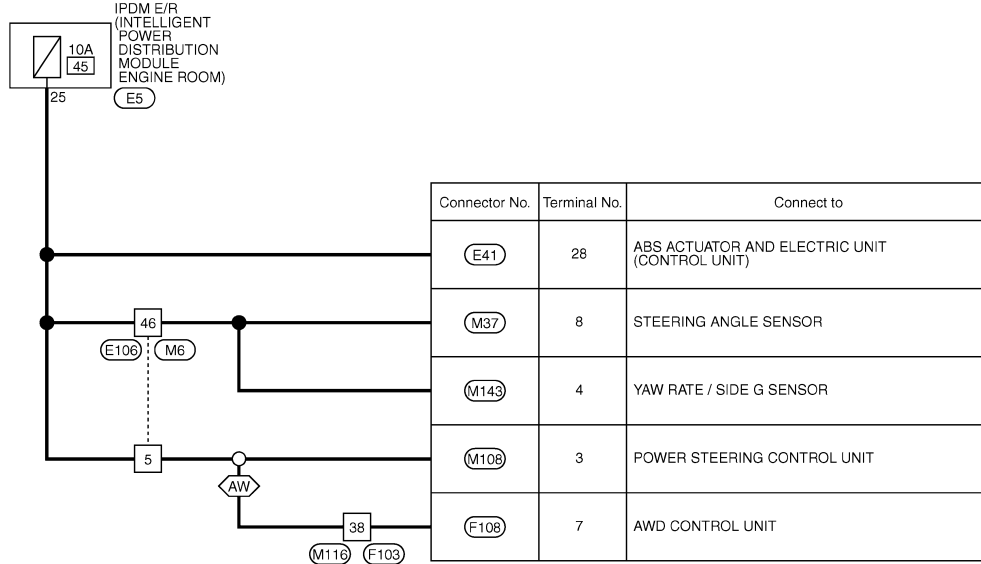
## Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 45 -

INFOID:000000007467058

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

### IGNITION POWER SUPPLY FUSE No. 45

 : AWD models



2010/08/18

JCMWM9858GB

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

PG

# POWER SUPPLY ROUTING CIRCUIT

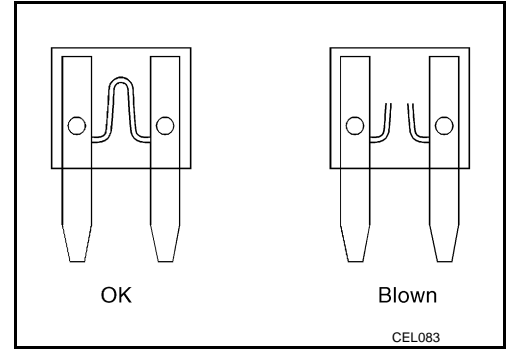
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Fuse

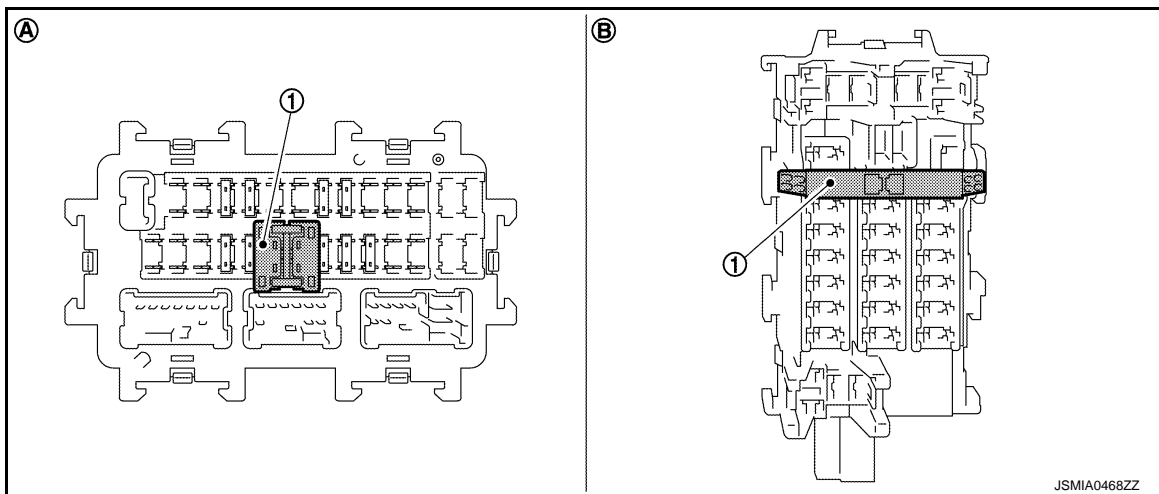
INFOID:000000007467059

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



## EXTENDED STORAGE SWITCH (IF EQUIPPED)

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



1. Extended storage switch

A. Type A

B. Type B

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

How To Extended Storage Switch ON/OFF

### CAUTION:

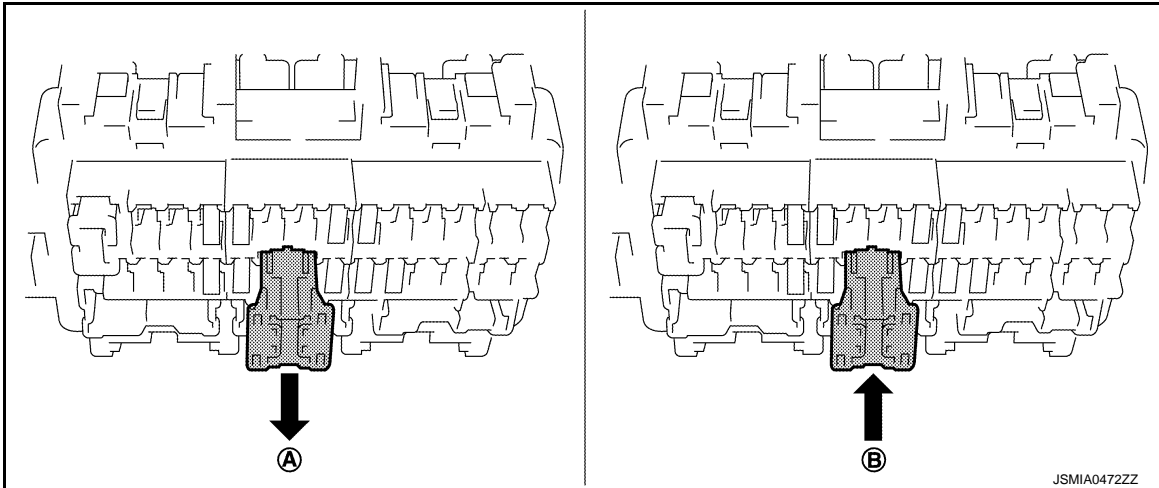
- Turn the ignition switch OFF when operating the extended storage switch.
- Under normal conditions, keep the extended storage switch in ON state. Never operate the extended storage switch except when necessary.

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

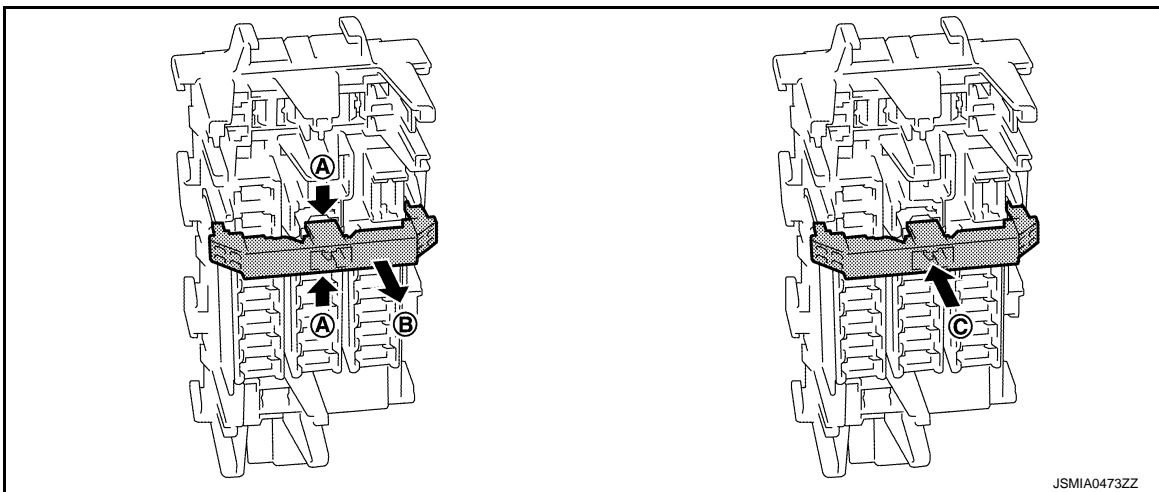
[POWER SUPPLY & GROUND CIRCUIT]

- Type A



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

- Type B

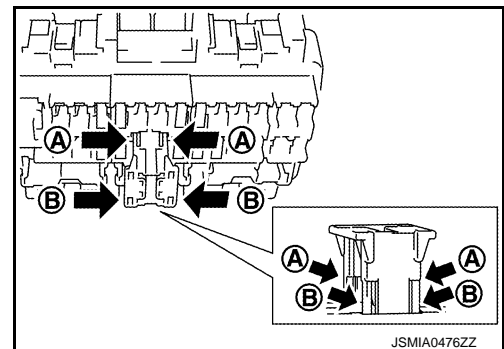


- To turn the extended storage switch OFF, hold (A) of the switch and pull up in (B) direction as shown in the figure.
- To turn the extended storage switch ON, press it in (C) direction as shown in the figure.

## How To Remove Extended Storage Switch

Type A

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



### NOTE:

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

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

PG

# POWER SUPPLY ROUTING CIRCUIT

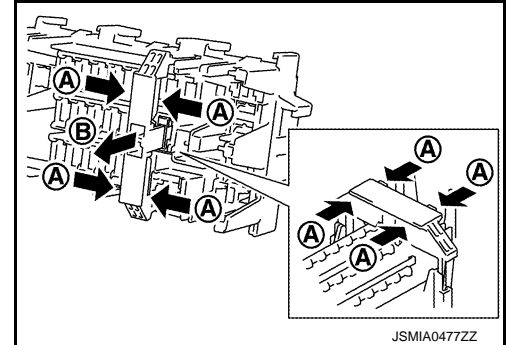
## [POWER SUPPLY & GROUND CIRCUIT]

### < DTC/CIRCUIT DIAGNOSIS >

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

Type B

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



### NOTE:

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

## Fusible Link

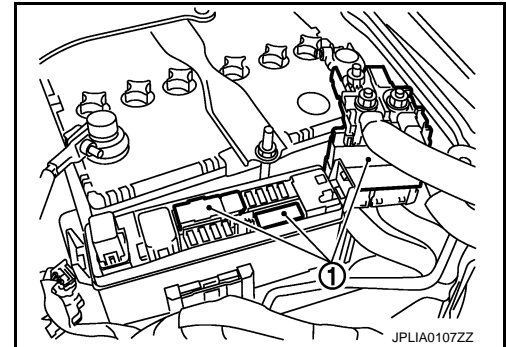
INFOID:000000007467061

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:

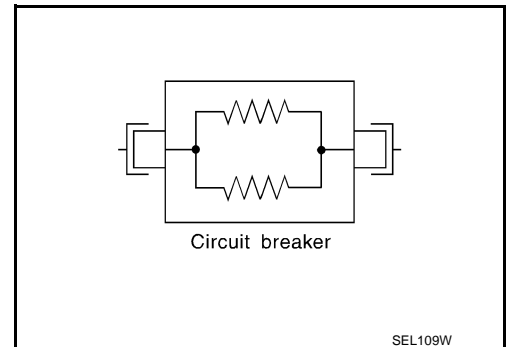
- If fusible link should melt, it is possible that critical circuit (power supply or large current carrying circuit) is shorted. In such a case, carefully check and eliminate cause of malfunction.
- Never wrap outside of fusible link with vinyl tape. Important: Never let fusible link touch any other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



## Circuit Breaker

INFOID:000000007467061

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





# HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >






[POWER SUPPLY & GROUND CIRCUIT]

## HARNESS LAYOUT

### How To Read Harness Layout

INFOID:000000007770795

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

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

JPMIA0114GB

A

B

C

D

E

F

G

H

I

J

K

L

PG

N

O

P

# HARNESS LAYOUT

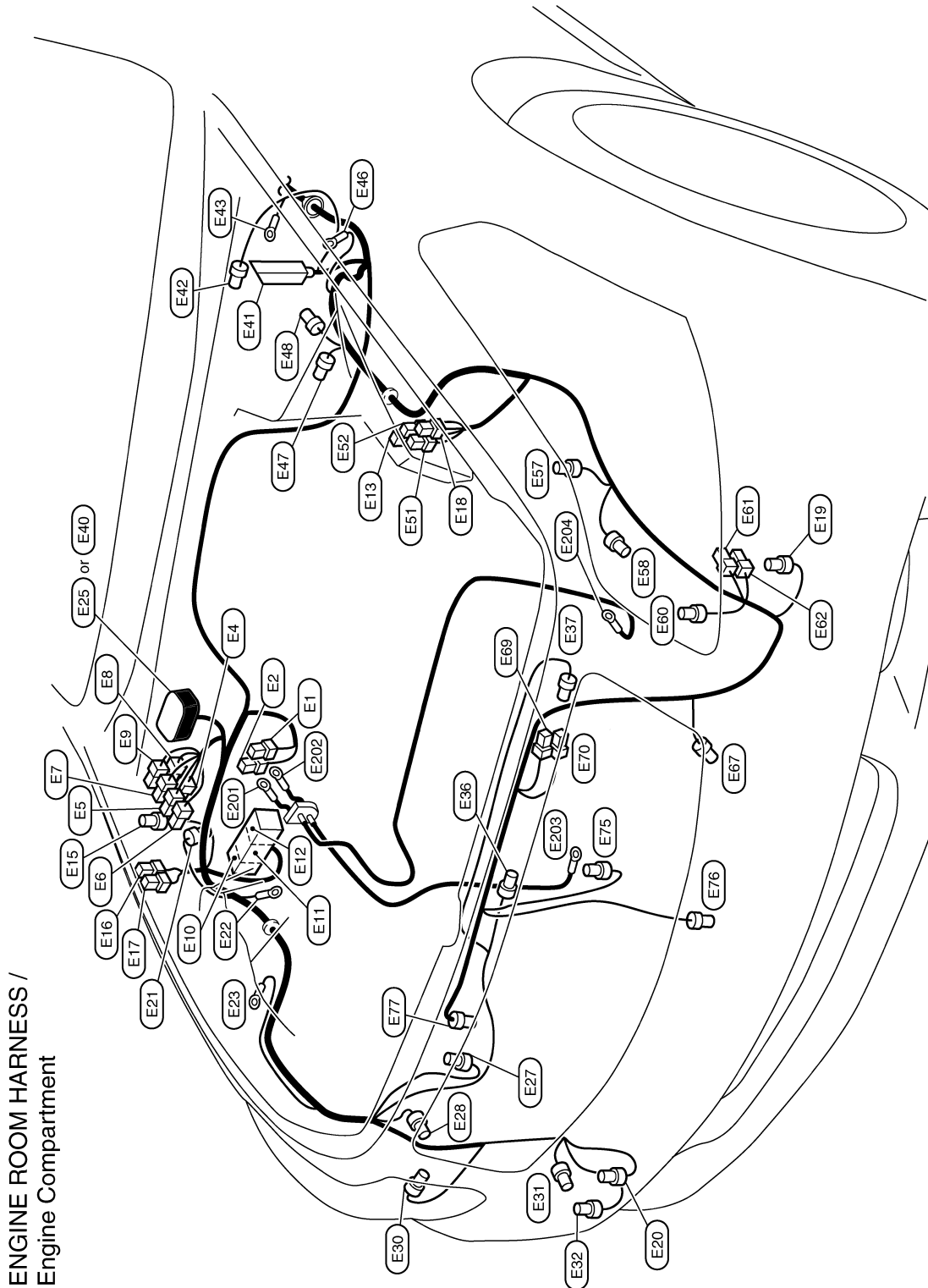
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Engine Room Harness

INFOID:000000007770796

### ENGINE COMPARTMENT



ENGINE ROOM HARNESS /  
Engine Compartment

2011/07/07

JRMIC0679GB

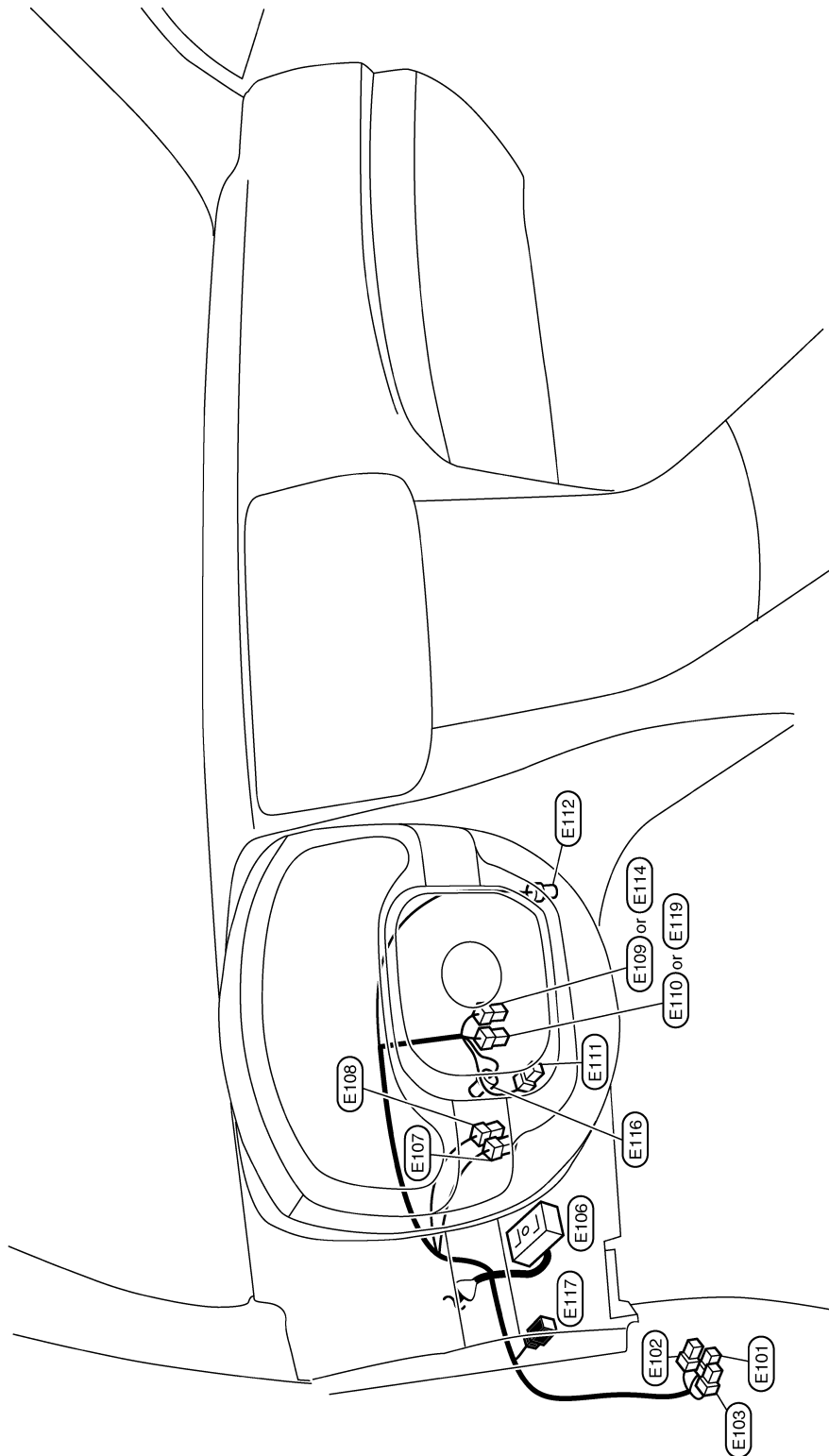
# HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## PASSENGER COMPARTMENT

Passenger Compartment



Engine Control Harness

VQ25HR

2011/07/07

JRMIC0680GB

INFOID:000000007770803

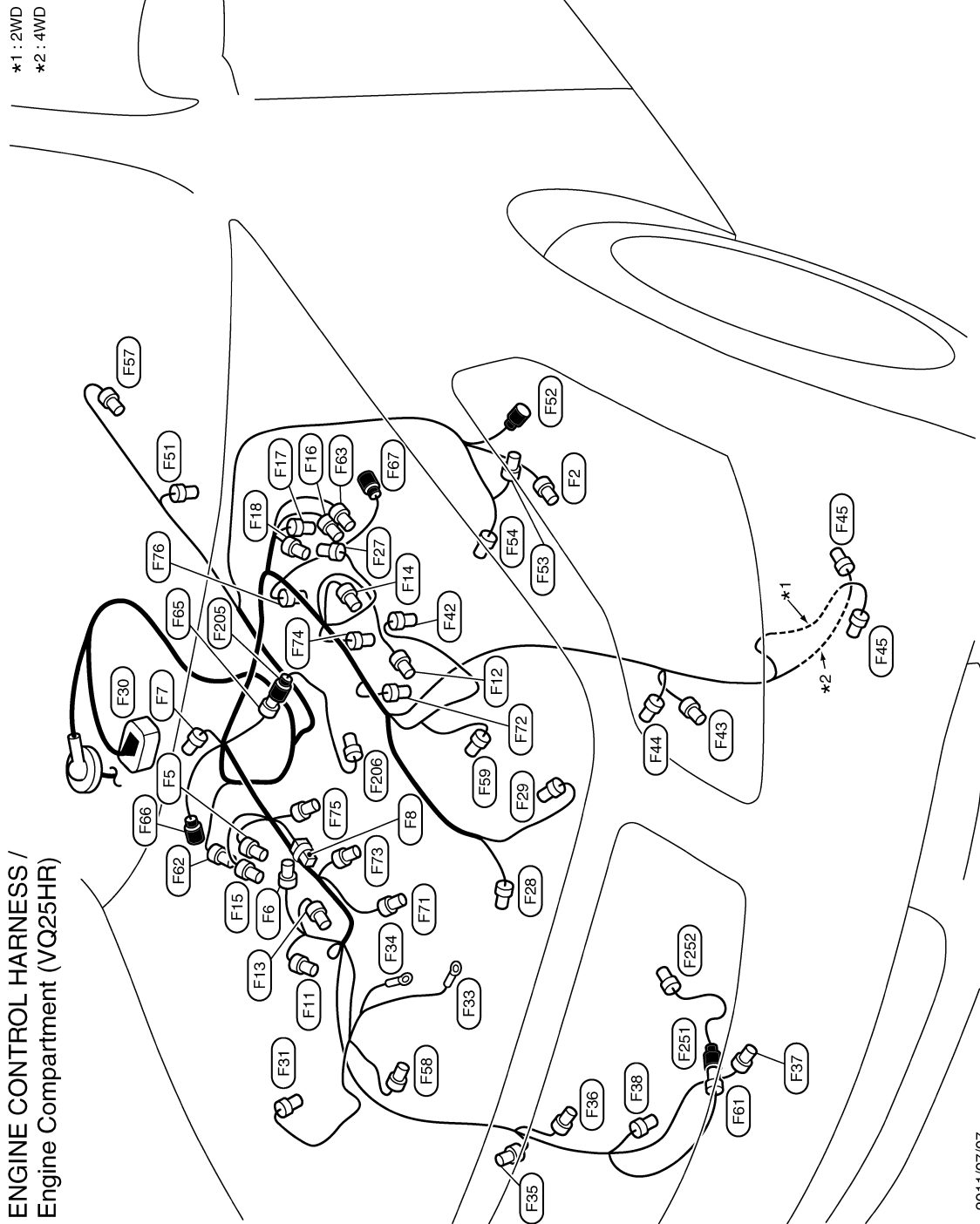
A  
B  
C  
D  
E  
F  
G  
H  
I  
J  
K  
L  
PG  
N  
O  
P

# HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Engine Compartment

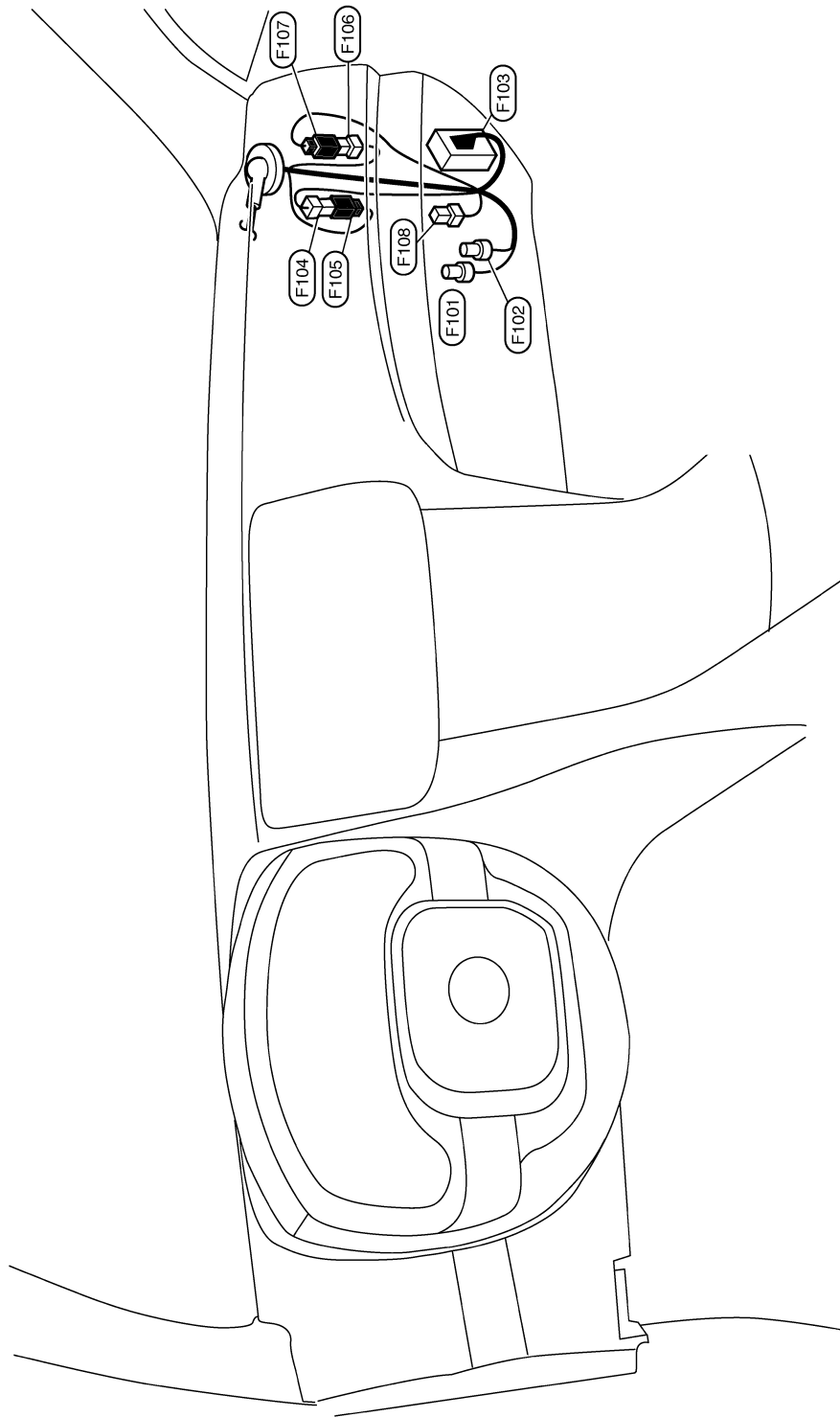


# HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Passenger Compartment



Passenger Compartment (VQ25HR)

VQ37VHR

2011/07/07

JRMIC0682GB

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

# HARNES LAYOUT

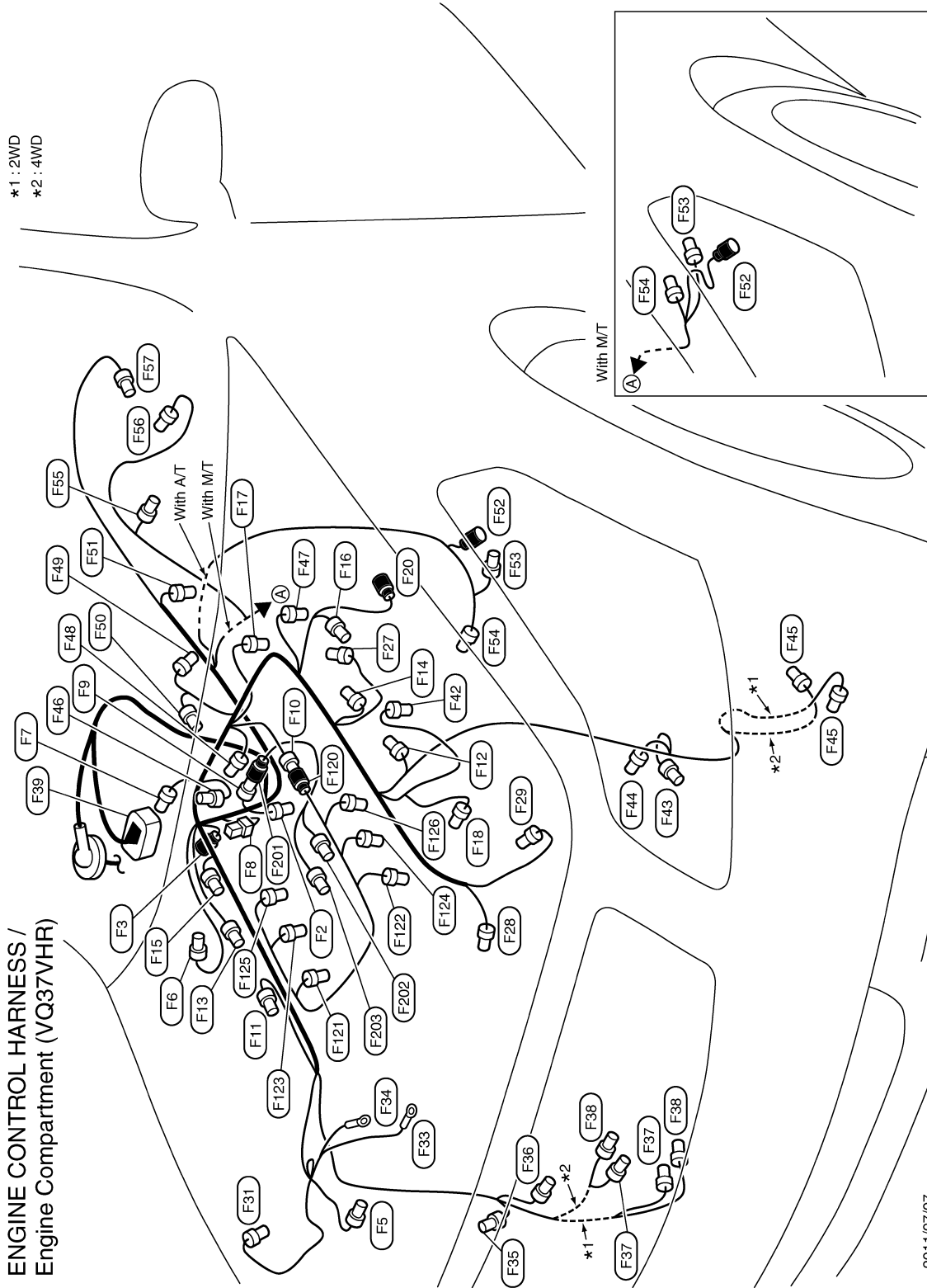
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Engine Compartment

\*1 : 2WD  
\*2 : 4WD

ENGINE CONTROL HARNESS /  
Engine Compartment (VQ37VHR)



JRMIC0683GB

2011/07/07

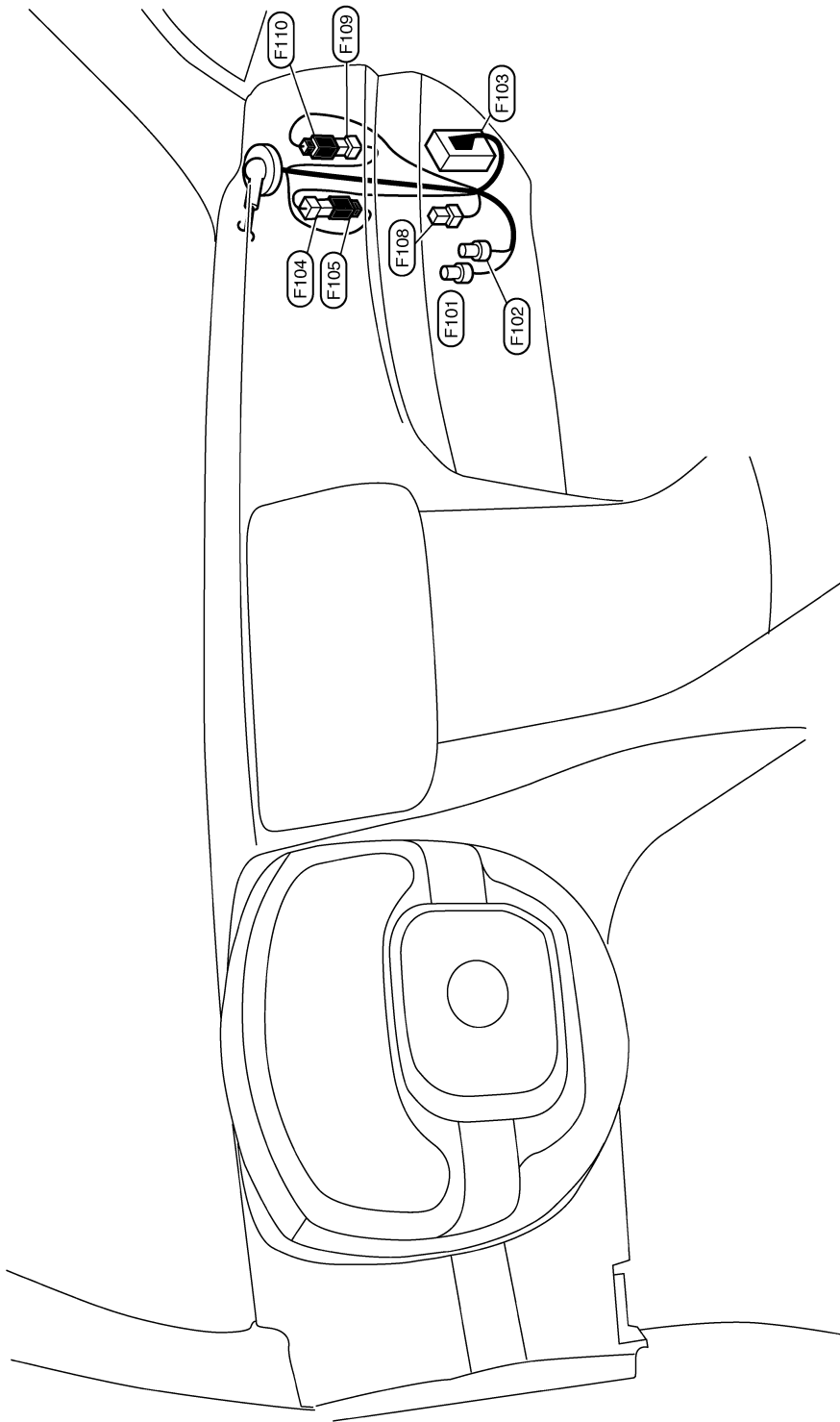
# HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Passenger Compartment

Passenger Compartment (VQ37VHR)



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

2011/07/07

JRMIC0684GB

# HARNES LAYOUT

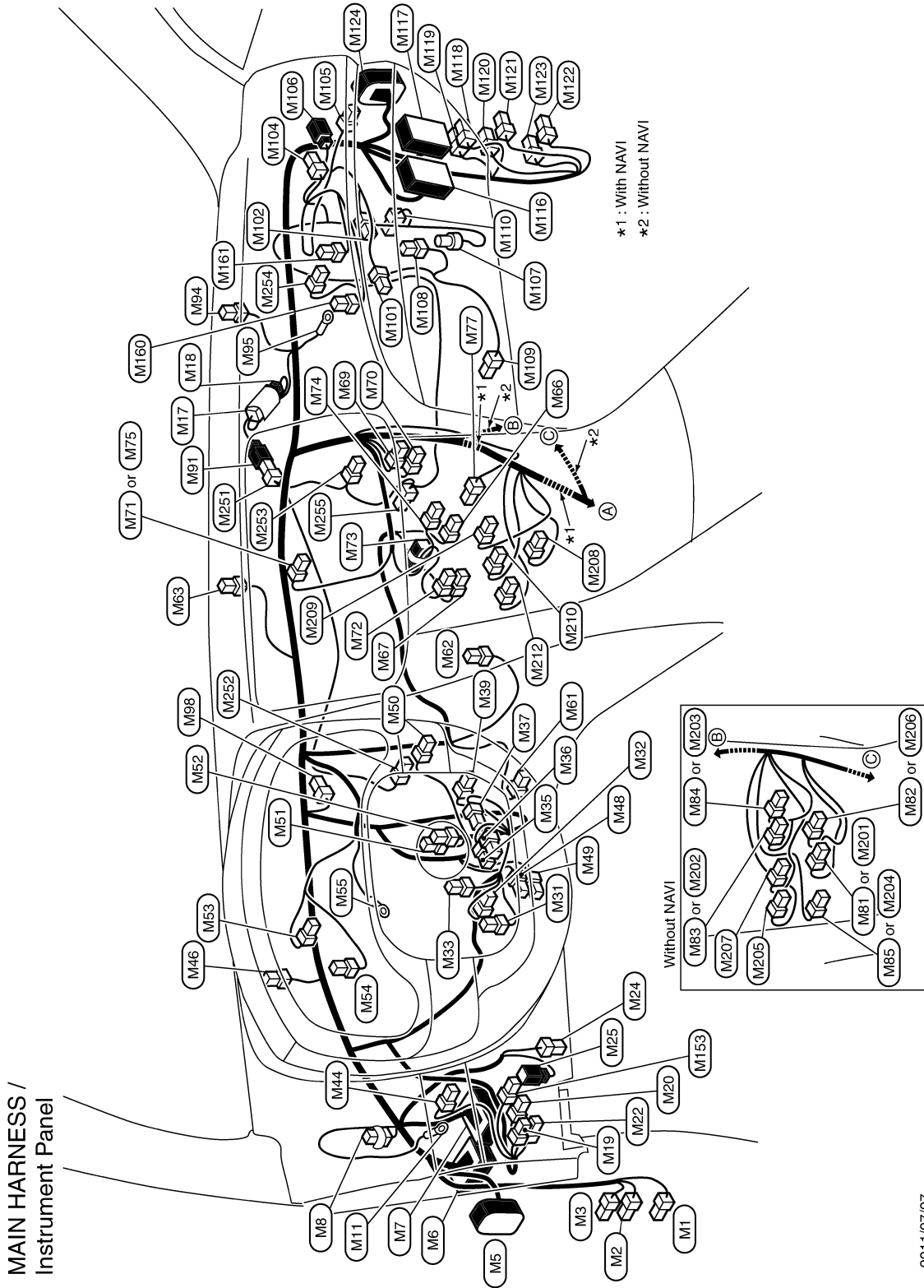
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Main Harness

INFOID:000000007770798

### INSTRUMENT PANEL



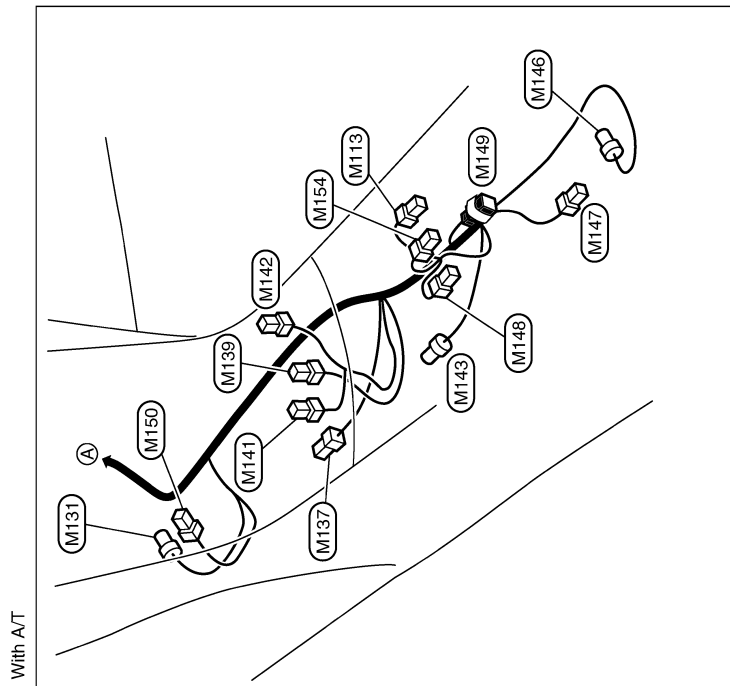
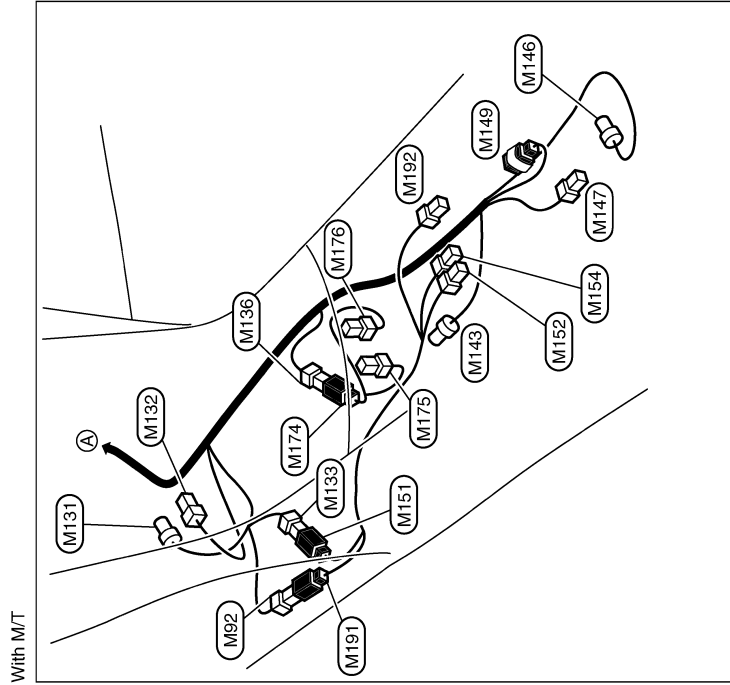


# HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## FLOOR CONSOLE



Floor Console

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

2011/07/07

JRMIC0678GB

# HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

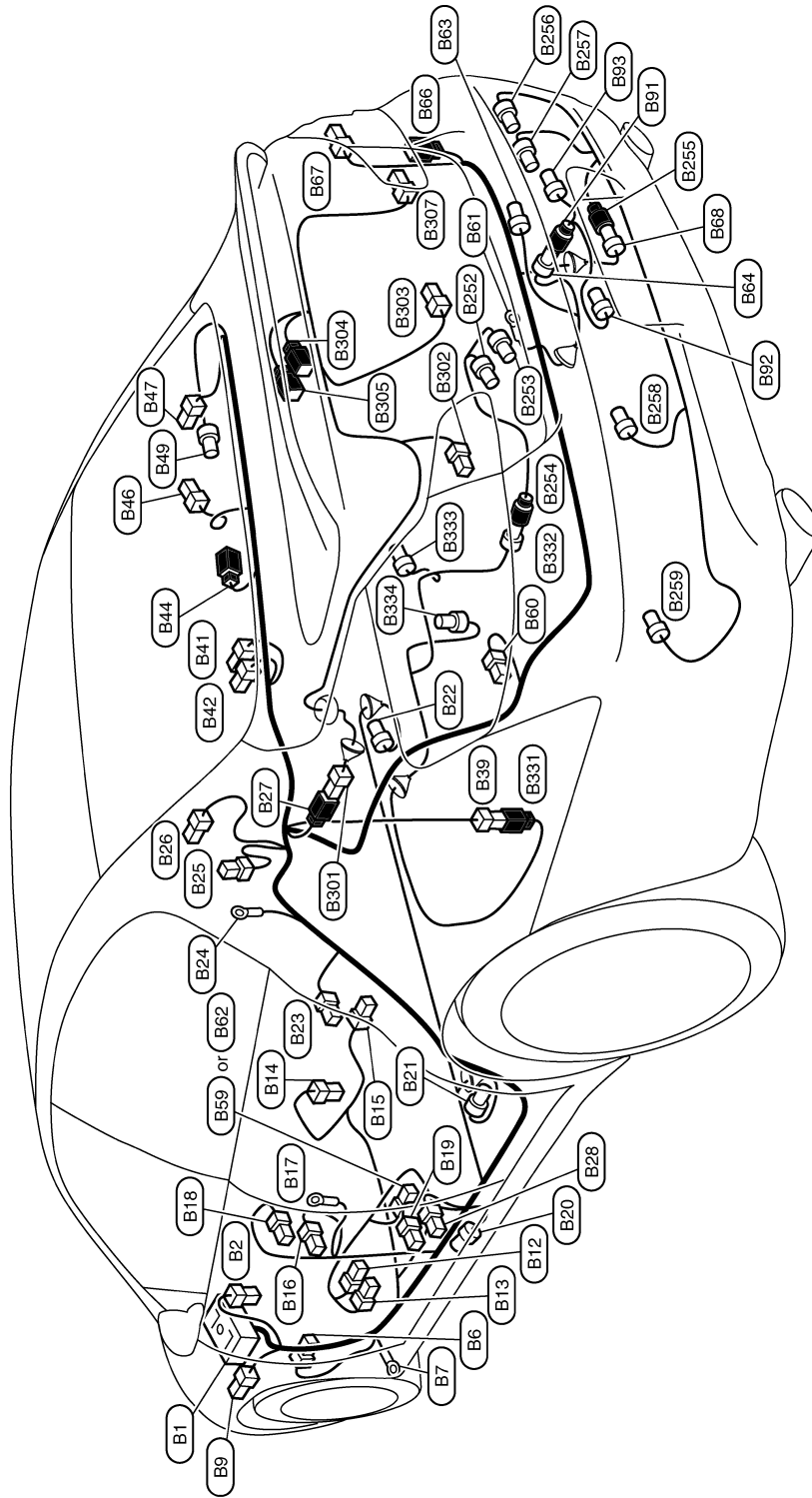
[POWER SUPPLY & GROUND CIRCUIT]

## Body Harness

INFOID:000000007770799

## BODY HARNESS

BODY HARNESS



2011/07/07

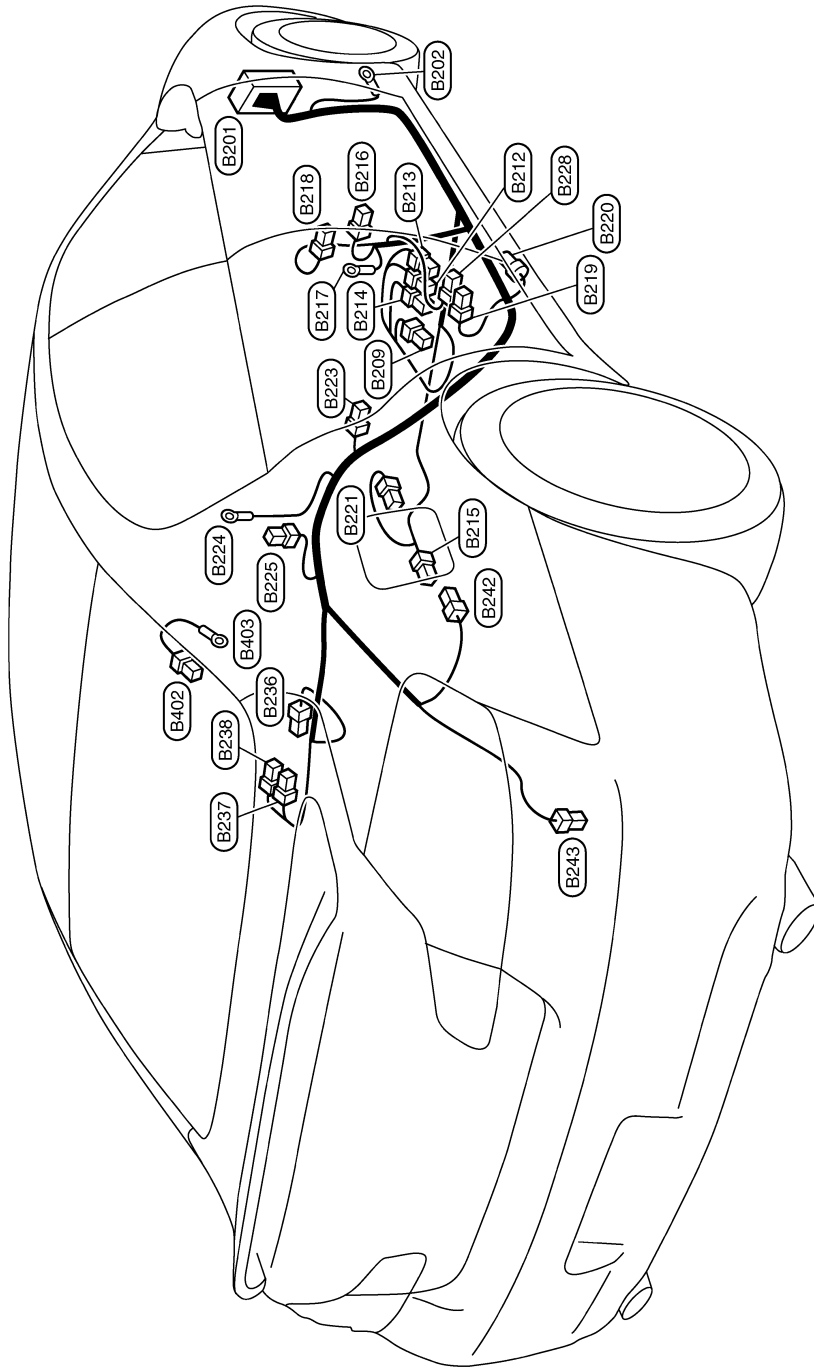
JRMIC0685GB

# HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BODY No. 2 HARNESS



BODY No. 2 HARNESS

2011/07/07

JRMIC0686GB

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

# HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

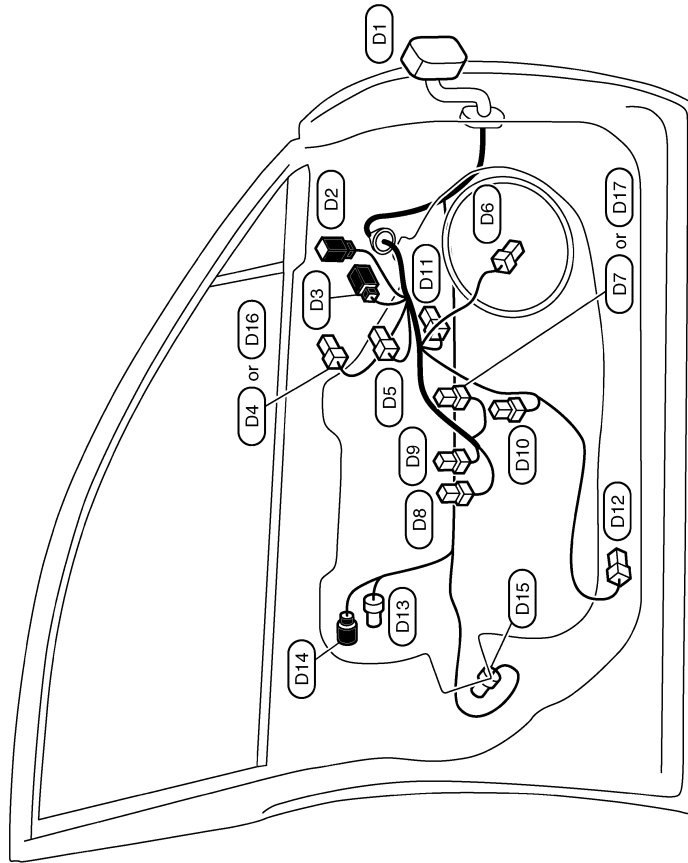
[POWER SUPPLY & GROUND CIRCUIT]

## Door Harness

INFOID:000000007770800

### FRONT DOOR HARNESS (LH SIDE)

FRONT DOOR HARNESS (LH SIDE)



2011/07/07

JRMIC0687GB

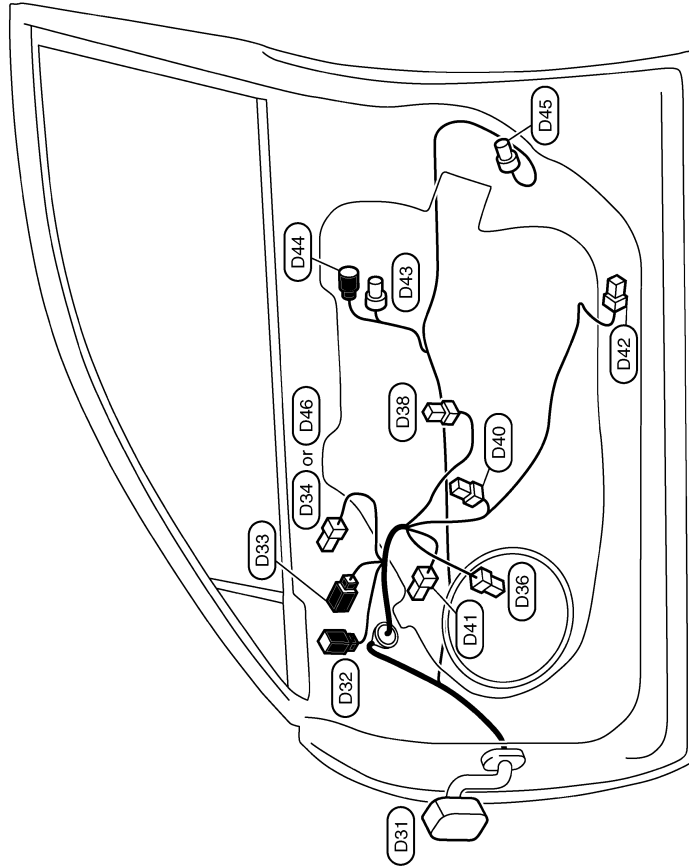
# HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## FRONT DOOR HARNESS (RH SIDE)

FRONT DOOR HARNESS (RH SIDE)



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

2008/08/07

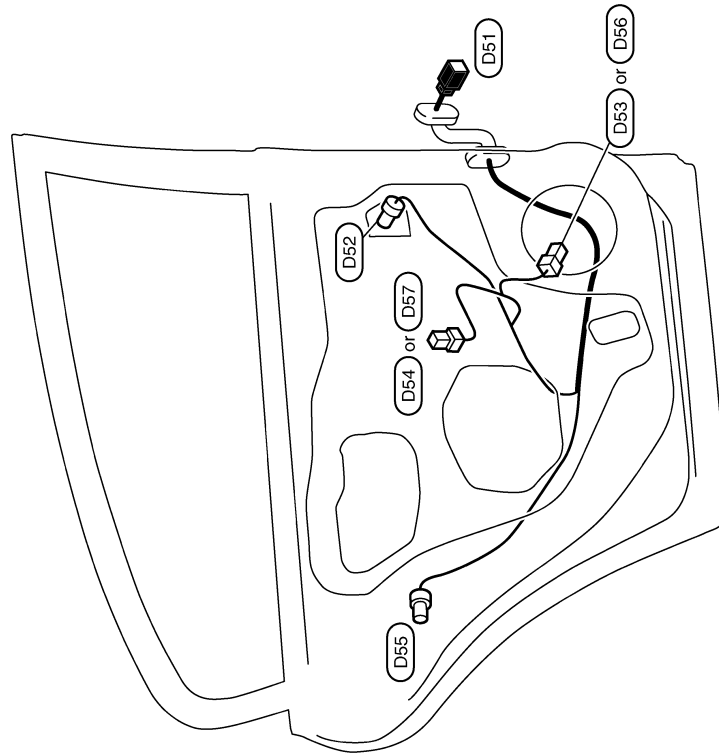
JCMIM0545GB

# HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## REAR DOOR HARNESS (LH SIDE)



REAR DOOR HARNESS (LH SIDE)

2010/08/18

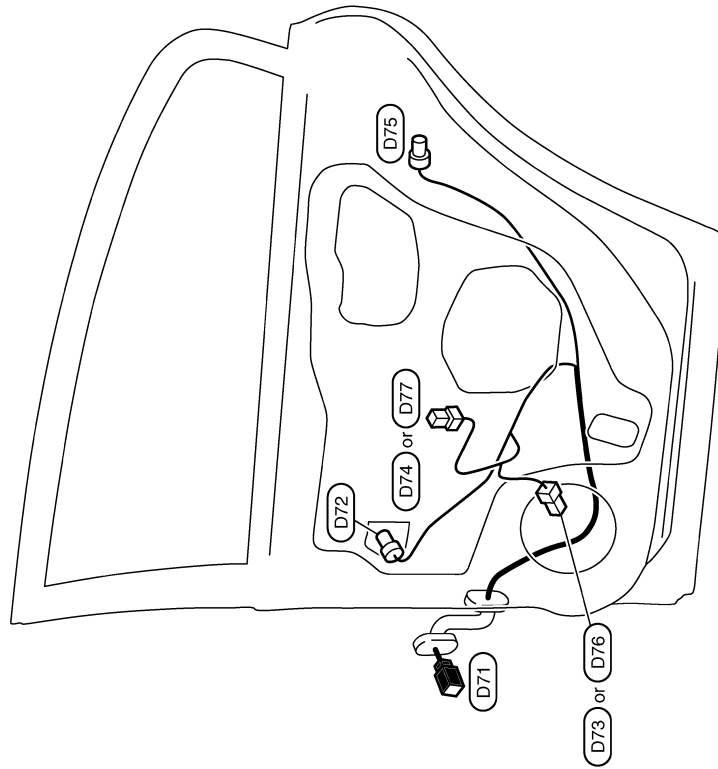
JCMIM1660GB

# 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

2010/08/18

JCMIM1661GB

# HARNES LAYOUT

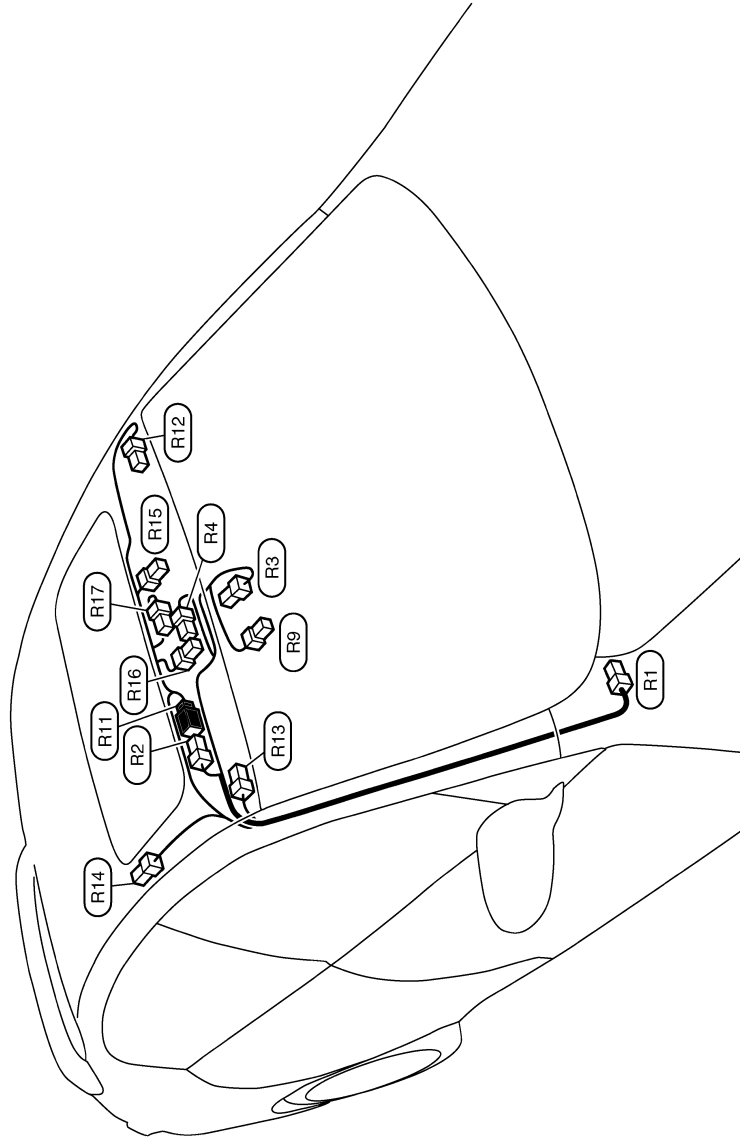
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Room Lamp Harness

INFOID:000000007770801

ROOM LAMP HARNESS



2009/10/30

JCMIA0701GB

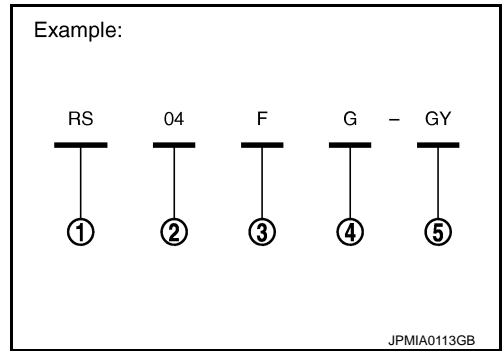


## CONNECTOR INFORMATION

### How to Read Connector Type

INFOID:000000007770838

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



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

# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## B Body Harness

INFOID:000000007770839

### BODY HARNESS

Connector No.	B1
Connector Name	WIRE TO WIRE
Connector Type	TR80FW-CS (6-TM4)



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
2	BG	-
3	L	-
4	Y	-
6	R	-
7	P	-
8	W	-
9	LG	- [With rear anti-pinch system]
9	GR	- [Without rear anti-pinch system]
15	Y	-
16	BR	-
17	LG	-
18	BG	-
20	L	-
21	P	-
22	L	-
23	P	-
24	V	-
25	SB	-
26	G	-
27	W	-
28	R	-
31	V	-
32	SB	-
33	SHIELD	-
34	W	-
35	BR	-
36	Y	-
37	SHIELD	-
38	X	-
38	SB	-
40	P	-
41	L	-
42	SHIELD	-
43	R	-
44	C	-
45	SHIELD	-
46	SB	-

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

Connector No.	B2
Connector Name	WIRE TO WIRE
Connector Type	NS16FW-CS



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

10	Y	-
11	LG	-
12	P	-
13	GR	-
14	R	-
15	G	-
16	W	-

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



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

Connector No.	B9
Connector Name	WIRE TO WIRE
Connector Type	M06FW-LC



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

Connector No.	B12
Connector Name	FRONT LH SIDE AIR BAG MODULE
Connector Type	TR02FY-EX-IV



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

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



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

Connector No.	B14
Connector Name	PARKING BRAKE SWITCH
Connector Type	FR11EB-A



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

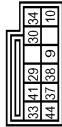
# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BODY HARNESS

Connector No.	B15
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	TKIZFY-ZV-EX



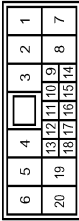
Terminal No.	Color of Wire	Signal Name [Specification]
9	Y	PLH (+)
10	Y	PLH (-)
29	Y	CLH (+)
30	Y/B	CLH (-)
33	Y	SLH (+)
34	Y	SLH (-)
37	P	SATELLITE LH (+)
38	L	SATELLITE LH (-)
41	SB	LH BUCKLE SW INPUT
44	SHIELD	GROUND

Connector No.	B16
Connector Name	FRONT DOOR SWITCH (DRIVER SIDE)
Connector Type	AG3FW



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

Connector No.	B18
Connector Name	WIRE TO WIRE
Connector Type	NH10FW-CS10



Terminal No.	Color of Wire	Signal Name [Specification]
1	P	-
2	LG	- [With rear anti-pinch system]
3	GR	- [Without rear anti-pinch system]
4	W	-
5	P	-
6	BR	-
7	B	-
19	L	- [With BOSE system]
18	SB	- [Without BOSE system]
20	P	- [With BOSE system]
20	Y	- [Without BOSE system]

Connector No.	B19
Connector Name	FRONT LH SEAT BELT PRE-TENSIONER
Connector Type	AG30GFY



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

Connector No.	B20
Connector Name	LH SIDE AIR BAG (SATELLITE) SENSOR
Connector Type	HK02FY-IV-EX-1C



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

Connector No.	B21
Connector Name	FUEL LEVEL SENSOR UNIT (SUB)
Connector Type	EG2FY-RS



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

Connector No.	B22
Connector Name	FUEL LEVEL SENSOR UNIT AND FUEL PUMP (MAIN)
Connector Type	EG5FY-RS



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

3	B	-
4	V	-
5	Y	-

Connector No.	B23
Connector Name	REAR DOOR SWITCH LH
Connector Type	AG3FW



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

Connector No.	B25
Connector Name	LH SIDE CURTAIN AIR BAG MODULE
Connector Type	AG30GFY



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

JRMWC4292GB

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

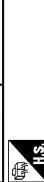
# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BODY HARNESS

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



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

Connector No.	B27
Connector Name	WIRE TO WIRE
Connector Type	NS1DMW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
2	BG	-
3	B	-
4	Y	-
5	B	-
6	W	-
11	G	-
12	SHIELD	-
13	B	-
14	W	-
15	R	-

Connector No.	B28
Connector Name	PRE-CRASH SEAT BELT MOTOR LH
Connector Type	TB2ZFW-ZV



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

Connector No.	B39
Connector Name	WIRE TO WIRE
Connector Type	NS1EFW-CS



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

Connector No.	B41
Connector Name	BOSE AMP.
Connector Type	ISCA19FBR-SG44



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

Connector No.	B42
Connector Name	BOSE AMP.
Connector Type	ISGA12FBR-SJA2



Terminal No.	Color of Wire	Signal Name [Specification]
9	L	SOUND SIGNAL FRONT LH (+)
10	W	SOUND SIGNAL FRONT LH (-)

3	LG	SOUND SIGNAL FRONT RH (-)
4	V	SOUND SIGNAL FRONT RH (+)
5	G	SOUND SIGNAL DOOR WOOFER RH (+)
6	R	SOUND SIGNAL DOOR WOOFER RH (-)
7	B	GROUND
9	W	SOUND SIGNAL FRONT DOOR WOOFER LH (-)
10	Y	BATTERY
11	GR	BATTERY
12	B	GROUND
14	B	SOUND SIGNAL FRONT DOOR WOOFER LH (+)

Connector No.	B44
Connector Name	BOE-MOUNTED STOP LAMP ON THE REAR PARCEL SHELF
Connector Type	TK02MR-F



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

Connector No.	B46
Connector Name	WOOFER
Connector Type	NS06FBR-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	SOUND SIGNAL WOOFER (-)
2	SB	SOUND SIGNAL WOOFER (+)
4	GR	WOOFER AMP. ON SIGNAL
5	B	GROUND
6	P	BATTERY

# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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

## BODY HARNESS

Connector No.	B67
Connector Name	TRUNK ROOM LAMP
Connector Type	ISO2FW



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

Connector No.	B49
Connector Name	INSIDE KEY ANTENNA (TRUNK ROOM)
Connector Type	PKOZFGY



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

Connector No.	B59
Connector Name	WIRE TO WIRE
Connector Type	NSJ4FW-CS



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

Terminal No.	Color of Wire	Signal Name [Specification]
8	Y	-
17	LG	-
19	P	-
21	Y	-
32	B	-
33	L	-
40	BR	-
48	B	-
67	BG	-
68	GR	-
69	R	-

Connector No.	B60
Connector Name	REAR COMBINATION LAMP LH
Connector Type	NSJ4FW-CS



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

Connector No.	B62
Connector Name	WIRE TO WIRE
Connector Type	MSJ5FW-LC



Terminal No.	Color of Wire	Signal Name [Specification]
2	L	-
14	BG	-
15	GR	-
16	R	-

Connector No.	B63
Connector Name	OUTSIDE KEY ANTENNA (REAR BUMPER)
Connector Type	PKOZFGY



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

Connector No.	B64
Connector Name	WIRE TO WIRE
Connector Type	PKOZFGY



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

Connector No.	B66
Connector Name	WIRE TO WIRE
Connector Type	TH08MM-NH



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

Terminal No.	3	W	-
Terminal No.	4	R	-

Connector No.	B67
Connector Name	REAR COMBINATION LAMP RH
Connector Type	NSJ4FW-CS



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

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



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

# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BODY HARNESS

Connector No.	B81
Connector Name	WIRE TO WIRE
Connector Type	RK02MGY



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

Connector No.	B82
Connector Name	LICENSE PLATE LAMP LH
Connector Type	RV02FBR



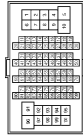
Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	B	-

Connector No.	B83
Connector Name	LICENSE PLATE LAMP RH
Connector Type	RV02FBR



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

Connector No.	B201
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-C31F-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	-
3	W	-
5	P	-
6	L	-
7	V	-
9	LG	-
10	L	-
31	L	-
32	P	-
33	G	-
34	R	-
40	GR	-
41	LG	-
42	BG	-
43	R	-
45	G	-
46	SHIELD	-
47	G	-
48	Y	-
49	SHIELD	-
50	W	-
71	R	-
72	V	-
80	BG	-
81	SHIELD	-
82	G	-
83	P	-
84	L	-
85	SHIELD	-
86	G	-
87	R	-
88	W	-
89	B	-
90	Y	-
91	V	-
92	W	- [With rear anti-pinch system]
92	R	- [Without rear anti-pinch system]
93	BG	- [With rear anti-pinch system]

93	BR	- [Without rear anti-pinch system]
94	R	-
95	SB	-
96	G	-
97	GR	-
98	BR	-
99	P	-
100	L	-

Connector No.	B209
Connector Name	WIRE TO WIRE
Connector Type	M06FW-LC



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	B	-
14	L	-
15	V	-
16	BR	-

Connector No.	B212
Connector Name	FRONT RH SIDE AIR BAG MODULE
Connector Type	TW02FY-EX-1V



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

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



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

Connector No.	B214
Connector Name	OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT
Connector Type	TH80FW-NH



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

JRMWC4295GB

# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BODY HARNESS

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



27	25	31
8	7	36
18	35	40

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

Connector No.	B216
Connector Name	FRONT DOOR SWITCH (PASSENGER SIDE)
Connector Type	A03FW



2
---

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

Connector No.	B218
Connector Name	WIRE TO WIRE
Connector Type	NH10FW-CS10



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

Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	W	- [With rear anti-pinch system]
3	R	- [Without rear anti-pinch system]
4	BG	- [With rear anti-pinch system]
5	BR	- [Without rear anti-pinch system]
6	V	-
7	B	-
19	L	-
20	P	-

Connector No.	B219
Connector Name	FRONT RH SEAT BELT PRE-TENSIONER
Connector Type	AG300FY



2	1
---	---

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

Connector No.	B220
Connector Name	RH SIDE AIR BAG (SATELLITE) SENSOR
Connector Type	H00ZFY-IV-EX-1C



1	2
---	---

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

Connector No.	B221
Connector Name	WIRE TO WIRE
Connector Type	TH1ZFW-NH



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

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

Connector No.	B223
Connector Name	REAR DOOR SWITCH RH
Connector Type	A03FW



2
---

Terminal No.	Color of Wire	Signal Name [Specification]

2	BR	-
---	----	---

Connector No.	B225
Connector Name	RH SIDE CURTAIN AIR BAG MODULE
Connector Type	ACB02FY



1	2
---	---

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

Connector No.	B228
Connector Name	PRE-CRASH SEAT BELT MOTOR RH
Connector Type	TEB02FW-2V



1	2
---	---

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

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

PG

JRMWC4296GB

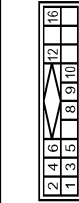
# CONNECTOR INFORMATION

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

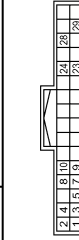
## BODY HARNESS

Connector No.	B238
Connector Name	SATELLITE RADIO TUNER
Connector Type	A10FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	SATELLITE RADIO SOUND SIGNAL LH (-)
2	R	SATELLITE RADIO SOUND SIGNAL LH (+)
3	W	SATELLITE RADIO SOUND SIGNAL RH (-)
4	B	SATELLITE RADIO SOUND SIGNAL RH (+)
5	SHIELD	SHIELD
6	SHIELD	SHIELD
8	G	REQUEST (SAT->CONT)
9	L	COMM (SAT->CONT)
10	P	COMM (CONT->SAT)
12	Y	BATTERY
16	BG	ACC

Connector No.	B237
Connector Name	TEL ADAPTER UNIT
Connector Type	TH42FW-NH



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

Terminal No.	28	W	VEHICLE SPEED (8-PULSE)
29	G	—	MICROPHONE VCC

Connector No.	B238
Connector Name	TEL ADAPTER UNIT
Connector Type	TH08FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
35	SB	AV COMM (H)
36	LG	AV COMM (L)

Connector No.	B242
Connector Name	FUEL LID LOCK ACTUATOR
Connector Type	MM4FW-LC



Terminal No.	1	SB	—
2	V	—	—

Connector No.	B243
Connector Name	WIPE TO WIRE
Connector Type	TH08FW-NH



Terminal No.	1	B	—
2	SHIELD	—	—
3	W	—	—
4	R	—	—

Connector No.	B252
Connector Name	EVAP CONTROL SYSTEM PRESSURE SENSOR
Connector Type	EG0FY-RS



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

Connector No.	B253
Connector Name	EVAP CARBISTER VENT CONTROL VALVE
Connector Type	EG0FB-RS



Terminal No.	1	W	—
2	L	—	—

Connector No.	B254
Connector Name	WIPE TO WIRE
Connector Type	RS08MB



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

Connector No.	B255
Connector Name	WIPE TO WIRE
Connector Type	RK08MGY



Terminal No.	1	R	—
2	W	—	—
3	B	—	—
5	Y	—	—
6	G	—	—





# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BODY HARNESS

Connector No.	B331
Connector Name	WIRE TO WIRE
Connector Type	NS16MM-CS



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

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

Connector No.	B332
Connector Name	WIRE TO WIRE
Connector Type	RS30FB-PR



3	2	1
6	5	4

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

Connector No.	B333
Connector Name	REAR WHEEL SENSOR RH
Connector Type	AAZ02FB1



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

Connector No.	B334
Connector Name	REAR WHEEL SENSOR LH
Connector Type	AAZ02FB2



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

Connector No.	B401
Connector Name	REAR WINDOW DEFOGGER
Connector Type	FR1FB-A



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

Connector No.	B402
Connector Name	REAR WINDOW DEFOGGER
Connector Type	FR1FB-A



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

Connector No.	B414
Connector Name	POWER SEAT SWITCH
Connector Type	NS10FW-CS



2	1	8	7		
4	3	6	5	10	9

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

Connector No.	B415
Connector Name	RECLINING MOTOR
Connector Type	NS32FW-CS



2	1
---	---

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

Connector No.	B416
Connector Name	SLIDING MOTOR
Connector Type	R098-0238



6	5
---	---

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

Connector No.	B417
Connector Name	LIFTING MOTOR (FRONT)
Connector Type	NS32FW-CS



9	10
---	----

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

# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BODY HARNESS

Connector No.	B418	Connector No.	B438
Connector Name	LIFTING MOTOR (REAR)	Connector Name	LIFTING MOTOR (REAR)
Connector Type	NS10FW-CS	Connector Type	NS10FW-CS



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

Connector No.	B421	Connector No.	B439
Connector Name	WIRE TO WIRE	Connector Name	WIRE TO WIRE
Connector Type	MO2FW-LC	Connector Type	MO2FW-LC



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

Connector No.	B435	Connector No.	B438
Connector Name	RECLINING MOTOR	Connector Name	LIFTING MOTOR (REAR)
Connector Type	NS10FW-CS	Connector Type	NS10FW-CS



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

Connector No.	B438	Connector No.	B439
Connector Name	SLIDING MOTOR	Connector Name	WIRE TO WIRE
Connector Type	6088-0239	Connector Type	MO2FW-LC



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

Connector No.	B437	Connector No.	B438
Connector Name	LIFTING MOTOR (FRONT)	Connector Name	SLIDING MOTOR
Connector Type	NS10FW-CS	Connector Type	6088-0239



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

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



Connector No.	B425	Connector No.	B425
Connector Name	WIRE TO WIRE	Connector Name	WIRE TO WIRE
Connector Type	MO2MW-LC	Connector Type	MO2MW-LC

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



Connector No.	B434	Connector No.	B434
Connector Name	POWER SEAT SWITCH	Connector Name	POWER SEAT SWITCH
Connector Type	NS10FW-CS	Connector Type	NS10FW-CS



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

Connector No.	B418	Connector No.	B418
Connector Name	LIFTING MOTOR (REAR)	Connector Name	LIFTING MOTOR (REAR)
Connector Type	NS10FW-CS	Connector Type	NS10FW-CS



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

Connector No.	B421	Connector No.	B421
Connector Name	WIRE TO WIRE	Connector Name	WIRE TO WIRE
Connector Type	MO2FW-LC	Connector Type	MO2FW-LC



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

Connector No.	B424	Connector No.	B424
Connector Name	WIRE TO WIRE	Connector Name	WIRE TO WIRE
Connector Type	MO2FW-LC	Connector Type	MO2FW-LC



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

PG

JRMWC4300GB

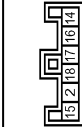
# CONNECTOR INFORMATION

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

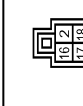
## BODY HARNESS

Connector No.	B440
Connector Name	HEATED SEAT CONTROL UNIT
Connector Type	T74923-1



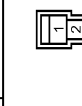
Terminal No.	Color of Wire	Signal Name [Specification]
2	B	GROUND
14	R	HEATER (+)
15	L/W	HEATER SW
16	R/W	THERMISTOR INPUT
17	R/L	HEATER (+)
18	R/B	THERMISTOR OUTPUT

Connector No.	B441
Connector Name	SEAT CUSHION HEATER
Connector Type	SM6FW



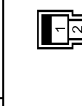
Terminal No.	Color of Wire	Signal Name [Specification]
2	B	-
16	R/W	-
17	R/L	-
18	R/B	-

Connector No.	B444
Connector Name	WIRE TO WIRE
Connector Type	M02FW-LC



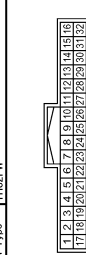
Terminal No.	Color of Wire	Signal Name [Specification]
1	-	-
2	-	-

Connector No.	B445
Connector Name	WIRE TO WIRE
Connector Type	M02MW-LC



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

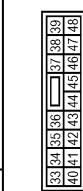
Connector No.	B451
Connector Name	DRIVER SEAT CONTROL UNIT
Connector Type	TR032FW



Terminal No.	Color of Wire	Signal Name [Specification]
3	R/Y	RX
		CAN-H

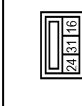
Terminal No.	Color of Wire	Signal Name [Specification]
8	LG	PARKING BRAKE SW
9	W/G	PULSE (RECLINING)
10	P/B	PULSE (RR LIFTING)
11	BR	SLIDING SW (BACKWARD)
12	SB	RECLINING SW (BACKWARD)
13	LG/R	FRONT LIFTING SW (DOWNWARD)
14	G/B	REAR LIFTING SW (DOWNWARD)
16	O	VCC
17	Y/R	TX
19	V	CAN-L
21	L/Y	P RANGE SW
24	R	PULSE (SLIDING)
25	Y/B	PULSE (FR LIFTING)
26	Y	SLIDING SW (FORWARD)
27	R/G	RECLINING SW (FORWARD)
28	W/B	FRONT LIFTING SW (UPWARD)
29	P/L	REAR LIFTING SW (UPWARD)
31	GR	SENSOR GND
32	B/W	GND (SIGNAL)

Connector No.	B452
Connector Name	DRIVER SEAT CONTROL UNIT
Connector Type	NS16FW-CS



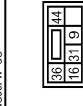
Terminal No.	Color of Wire	Signal Name [Specification]
33	R	BAT (C/B)
35	W/R	SLIDING MOTOR (FORWARD)
36	G/Y	RECLINING MOTOR (FORWARD)
37	G/W	FRONT LIFTING MOTOR (DOWNWARD)
38	L/Y	REAR LIFTING MOTOR (UPWARD)
39	R/B	REAR LIFTING MOTOR (BACKWARD)
40	R/W	BAT (E/SE)
42	W/B	SLIDING MOTOR (BACKWARD)
44	P	RECLINING MOTOR (BACKWARD)
45	L/R	FRONT LIFTING MOTOR (UPWARD)
48	B	GND (POWER)

Connector No.	B453
Connector Name	SLIDING SENSOR
Connector Type	R099-0241



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

Connector No.	B454
Connector Name	RECLINING MOTOR
Connector Type	NS06FW-CS



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

# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BODY HARNESS

Connector No.	B455
Connector Name	LIFTING MOTOR (FRONT)
Connector Type	NS30FW-CS



15	37
16	31
17	25

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

Connector No.	B459
Connector Name	POWER SEAT SWITCH
Connector Type	NS10FW-CS



32	14	29
12	27	11
27	26	13
28	26	13

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

Connector No.	B461
Connector Name	SLIDING MOTOR
Connector Type	B098-0239



17	65
12	65

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

Connector No.	B462
Connector Name	WIRE TO WIRE
Connector Type	NS16MW-LC



19	3	1	17	40
8	69	32	48	21
8	69	32	48	21
8	69	32	48	21

Terminal No.	Color of Wire	Signal Name [Specification]
1	L/W	-
3	R/Y	-
8	LG	-
17	Y/R	-
19	V	-
21	L/Y	-
32	B/W	-
33	P	-
40	P/W	-
48	B	-
67	R	-
69	L	-
69	BR/W	-

Connector No.	B463
Connector Name	LIFTING MOTOR (REAR)
Connector Type	NS30FBR-CS



63	63
16	31
10	10

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

Connector No.	B464
Connector Name	SIDE SUPPORT SWITCH
Connector Type	NS30FW-CS



55	54
53	48

Terminal No.	Color of Wire	Signal Name [Specification]
48	B	-
52	G	- [With automatic drive positioner]
52	GR	- [Without automatic drive positioner]
53	B/R	- [With automatic drive positioner]
53	W/R	- [Without automatic drive positioner]
54	V/W	- [With automatic drive positioner]
54	BR	- [Without automatic drive positioner]
55	R/L	-
55	LG	- [Without automatic drive positioner]

Connector No.	B465
Connector Name	SIDE SUPPORT UNIT
Connector Type	NS30FW-CS



15	54
33	53
52	48

Terminal No.	Color of Wire	Signal Name [Specification]
33	R	-
48	B	-
52	G	- [With automatic drive positioner]
52	GR	- [Without automatic drive positioner]
53	B/R	- [With automatic drive positioner]
53	W/R	- [Without automatic drive positioner]
54	V/W	- [With automatic drive positioner]
54	BR	- [Without automatic drive positioner]
55	R/L	-
55	LG	- [Without automatic drive positioner]

Connector No.	B466
Connector Name	HEATED SEAT CONTROL UNIT
Connector Type	174923-1



68	48	71	70	69	67
----	----	----	----	----	----

Terminal No.	Color of Wire	Signal Name [Specification]
48	B	GROUND
67	R	HEATER (+)
68	L	HEATER SW [With automatic drive positioner]
68	L/W	HEATER SW [Without automatic drive positioner]
69	BR/W	HEATER SW [With automatic drive positioner]
69	BR/W	HEATER SW [Without automatic drive positioner]
70	L/W	HEATER (-) [With automatic drive positioner]
70	R/L	HEATER (-) [Without automatic drive positioner]
71	R/B	THERMISTOR OUTPUT

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

PG

# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BODY HARNESS

Connector No.	B487
Connector Name	SEAT CUSHION HEATER
Connector Type	ISAFW



Terminal No.	Color of Wire	Signal Name [Specification]
48	B	-
69	BR/W	- [With automatic drive positioner]
69	R/W	- [Without automatic drive positioner]
70	L/W	- [With automatic drive positioner]
70	R/L	- [Without automatic drive positioner]
71	R/B	-

Connector No.	B471
Connector Name	TEL ADAPTER UNIT
Connector Type	GT16C-IS-HU



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

Connector No.	B482
Connector Name	SATELLITE RADIO TUNER
Connector Type	FAKBA CONNECTOR



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

Connector No.	B483
Connector Name	SATELLITE RADIO ANTENNA
Connector Type	GT16C-1PP-HU



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

JRMWC4303GB

# CONNECTOR INFORMATION

## [POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

### D Door Harness

INFOID:000000007770840

#### DOOR HARNESS

Connector No.	D1
Connector Name	WIRE TO WIRE
Connector Type	TH40FW-CS15



4E	R	-
4B	SB	-
50	W	-
51	P	-
52	V	-

Connector No.	D2
Connector Name	TWEETER LH
Connector Type	TK02MR-P



Connector No.	D4
Connector Name	TWEETER LH
Connector Type	TK02FBR



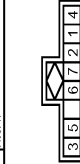
Connector No.	D6
Connector Name	FRONT DOOR SPEAKER LH
Connector Type	NS02FW-CS



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

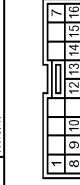
Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	W	-

Connector No.	D5
Connector Name	SEAT MEMORY SWITCH
Connector Type	A08FW



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

Connector No.	D7
Connector Name	DOOR MIRROR REMOTE CONTROL SWITCH
Connector Type	TK18FW



Connector No.	D3
Connector Name	DOOR MIRROR (DRIVER SIDE)
Connector Type	TH12MW-NH



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

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

Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
7	V	-
8	B	-
9	R	-
10	G	-
12	G	-
13	GR	-
14	GR	-
15	BG	-
16	BG	-

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

# CONNECTOR INFORMATION

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

## DOOR HARNESS

Connector No.	D8
Connector Name	POWER WINDOW MAIN SWITCH
Connector Type	NS30FW-CS



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

Connector No.	D9
Connector Name	POWER WINDOW MAIN SWITCH
Connector Type	NS30FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
17	B	-
18	Y	-

Connector No.	D10
Connector Name	FRONT POWER WINDOW MOTOR (DRIVER SIDE)
Connector Type	NS30FW-CS



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

Connector No.	D11
Connector Name	FRONT DOOR WOOFER LH
Connector Type	NS30ZFW-CS



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

Connector No.	D12
Connector Name	STEP LAMP (DRIVER SIDE)
Connector Type	TE30ZFW



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



Connector No.	D13
Connector Name	FRONT OUTSIDE HANDLE LH (REQUEST SWITCH)
Connector Type	PK02FL



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

Connector No.	D14
Connector Name	FRONT OUTSIDE HANDLE LH (OUTSIDE REF. ANTENNA)
Connector Type	PK02MGY



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

Connector No.	D15
Connector Name	FRONT DOOR LOCK ASSEMBLY (DRIVER SIDE)
Connector Type	EQ0FY-RS



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

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



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

JRMWC4305GB



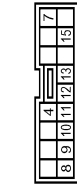
# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

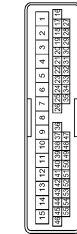
## DOOR HARNESS

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



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

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



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	Y	-
3	B	-
7	LG	-
8	P	-
10	L	-
11	W	-
12	G	-
13	R	-
16	W	-
17	V	-
18	V	-
19	BR	-

42	L	-
43	GR	-
44	BG	-
45	G	-
47	R	-
48	SB	-
49	W	-
50	P	-
51	V	-
52	GR	-
53	BG	-
54	G	-

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



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

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



Terminal No.	Color of Wire	Signal Name [Specification]
4	BG	-
5	BG	-
6	GR	-
7	G	-
8	B	-
9	P	-

10	BR	-
11	W	-
12	V	-

Connector No.	D34
Connector Name	TWEETER RH
Connector Type	TK02FBR



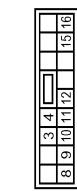
Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	W	-

Connector No.	D38
Connector Name	FRONT DOOR SPEAKER RH
Connector Type	NS02FW-CS



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

Connector No.	D38
Connector Name	FRONT POWER WINDOW SWITCH (PASSENGER SIDE)
Connector Type	NS16FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
3	LG	-
4	B	-
8	L	-
9	G	-
10	Y	-
11	B	-
12	P	-
15	BG	-
16	V	-

Connector No.	D40
Connector Name	FRONT POWER WINDOW MOTOR (PASSENGER SIDE)
Connector Type	NS06FW-CS



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




















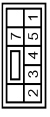
A  
B  
C  
D  
E  
F  
G  
H  
I  
J  
K  
L  
PG  
N  
O  
P

JRMWC4306GB

# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

DOOR HARNESS																																																									
<table border="1"> <tr><td>Connector No.</td><td>D41</td></tr> <tr><td>Connector Name</td><td>FRONT DOOR WOOFER RH</td></tr> <tr><td>Connector Type</td><td>NS32FW-CS</td></tr> </table>  	Connector No.	D41	Connector Name	FRONT DOOR WOOFER RH	Connector Type	NS32FW-CS	<table border="1"> <tr><td>Terminal No.</td><td>Color of Wire</td><td>Signal Name [Specification]</td></tr> <tr><td>1</td><td>G</td><td>-</td></tr> <tr><td>2</td><td>R</td><td>-</td></tr> </table>	Terminal No.	Color of Wire	Signal Name [Specification]	1	G	-	2	R	-	<table border="1"> <tr><td>Connector No.</td><td>D44</td></tr> <tr><td>Connector Name</td><td>FRONT OUTSIDE HANDLE RH (OUTSIDE KEY ANTENNA)</td></tr> <tr><td>Connector Type</td><td>FR02MGY</td></tr> </table>  	Connector No.	D44	Connector Name	FRONT OUTSIDE HANDLE RH (OUTSIDE KEY ANTENNA)	Connector Type	FR02MGY	<table border="1"> <tr><td>Terminal No.</td><td>Color of Wire</td><td>Signal Name [Specification]</td></tr> <tr><td>1</td><td>P</td><td>-</td></tr> <tr><td>2</td><td>V</td><td>-</td></tr> </table>	Terminal No.	Color of Wire	Signal Name [Specification]	1	P	-	2	V	-																								
Connector No.	D41																																																								
Connector Name	FRONT DOOR WOOFER RH																																																								
Connector Type	NS32FW-CS																																																								
Terminal No.	Color of Wire	Signal Name [Specification]																																																							
1	G	-																																																							
2	R	-																																																							
Connector No.	D44																																																								
Connector Name	FRONT OUTSIDE HANDLE RH (OUTSIDE KEY ANTENNA)																																																								
Connector Type	FR02MGY																																																								
Terminal No.	Color of Wire	Signal Name [Specification]																																																							
1	P	-																																																							
2	V	-																																																							
<table border="1"> <tr><td>Connector No.</td><td>D42</td></tr> <tr><td>Connector Name</td><td>STEP LAMP (PASSENGER SIDE)</td></tr> <tr><td>Connector Type</td><td>TB02FW</td></tr> </table>  	Connector No.	D42	Connector Name	STEP LAMP (PASSENGER SIDE)	Connector Type	TB02FW	<table border="1"> <tr><td>Terminal No.</td><td>Color of Wire</td><td>Signal Name [Specification]</td></tr> <tr><td>1</td><td>G</td><td>-</td></tr> <tr><td>2</td><td>R</td><td>-</td></tr> </table>	Terminal No.	Color of Wire	Signal Name [Specification]	1	G	-	2	R	-	<table border="1"> <tr><td>Connector No.</td><td>D45</td></tr> <tr><td>Connector Name</td><td>FRONT DOOR LOCK ASSEMBLY (PASSENGER SIDE)</td></tr> <tr><td>Connector Type</td><td>EB0FY-RS</td></tr> </table>  	Connector No.	D45	Connector Name	FRONT DOOR LOCK ASSEMBLY (PASSENGER SIDE)	Connector Type	EB0FY-RS	<table border="1"> <tr><td>Terminal No.</td><td>Color of Wire</td><td>Signal Name [Specification]</td></tr> <tr><td>1</td><td>P</td><td>-</td></tr> <tr><td>2</td><td>LG</td><td>-</td></tr> </table>	Terminal No.	Color of Wire	Signal Name [Specification]	1	P	-	2	LG	-																								
Connector No.	D42																																																								
Connector Name	STEP LAMP (PASSENGER SIDE)																																																								
Connector Type	TB02FW																																																								
Terminal No.	Color of Wire	Signal Name [Specification]																																																							
1	G	-																																																							
2	R	-																																																							
Connector No.	D45																																																								
Connector Name	FRONT DOOR LOCK ASSEMBLY (PASSENGER SIDE)																																																								
Connector Type	EB0FY-RS																																																								
Terminal No.	Color of Wire	Signal Name [Specification]																																																							
1	P	-																																																							
2	LG	-																																																							
<table border="1"> <tr><td>Connector No.</td><td>D43</td></tr> <tr><td>Connector Name</td><td>FRONT OUTSIDE HANDLE RH (REQUEST SWITCH)</td></tr> <tr><td>Connector Type</td><td>FR02FL</td></tr> </table>  	Connector No.	D43	Connector Name	FRONT OUTSIDE HANDLE RH (REQUEST SWITCH)	Connector Type	FR02FL	<table border="1"> <tr><td>Terminal No.</td><td>Color of Wire</td><td>Signal Name [Specification]</td></tr> <tr><td>1</td><td>R</td><td>-</td></tr> <tr><td>2</td><td>SB</td><td>-</td></tr> </table>	Terminal No.	Color of Wire	Signal Name [Specification]	1	R	-	2	SB	-	<table border="1"> <tr><td>Connector No.</td><td>D46</td></tr> <tr><td>Connector Name</td><td>FRONT DOOR SQUAWKER RH</td></tr> <tr><td>Connector Type</td><td>TR02FR</td></tr> </table>  	Connector No.	D46	Connector Name	FRONT DOOR SQUAWKER RH	Connector Type	TR02FR	<table border="1"> <tr><td>Terminal No.</td><td>Color of Wire</td><td>Signal Name [Specification]</td></tr> <tr><td>1</td><td>P</td><td>-</td></tr> <tr><td>2</td><td>LG</td><td>-</td></tr> </table>	Terminal No.	Color of Wire	Signal Name [Specification]	1	P	-	2	LG	-																								
Connector No.	D43																																																								
Connector Name	FRONT OUTSIDE HANDLE RH (REQUEST SWITCH)																																																								
Connector Type	FR02FL																																																								
Terminal No.	Color of Wire	Signal Name [Specification]																																																							
1	R	-																																																							
2	SB	-																																																							
Connector No.	D46																																																								
Connector Name	FRONT DOOR SQUAWKER RH																																																								
Connector Type	TR02FR																																																								
Terminal No.	Color of Wire	Signal Name [Specification]																																																							
1	P	-																																																							
2	LG	-																																																							
<table border="1"> <tr><td>Connector No.</td><td>D41</td></tr> <tr><td>Connector Name</td><td>WIRE TO WIRE</td></tr> <tr><td>Connector Type</td><td>NH10MW-CS10</td></tr> </table>  	Connector No.	D41	Connector Name	WIRE TO WIRE	Connector Type	NH10MW-CS10	<table border="1"> <tr><td>Terminal No.</td><td>Color of Wire</td><td>Signal Name [Specification]</td></tr> <tr><td>1</td><td>V</td><td>-</td></tr> <tr><td>2</td><td>Y</td><td>- [With rear anti-pinch system]</td></tr> <tr><td>3</td><td>R</td><td>- [Without rear anti-pinch system]</td></tr> <tr><td>4</td><td>W</td><td>- [With rear anti-pinch system]</td></tr> <tr><td>5</td><td>G</td><td>- [Without rear anti-pinch system]</td></tr> <tr><td>6</td><td>V</td><td>-</td></tr> <tr><td>7</td><td>B</td><td>-</td></tr> <tr><td>19</td><td>L</td><td>-</td></tr> <tr><td>20</td><td>P</td><td>-</td></tr> </table>	Terminal No.	Color of Wire	Signal Name [Specification]	1	V	-	2	Y	- [With rear anti-pinch system]	3	R	- [Without rear anti-pinch system]	4	W	- [With rear anti-pinch system]	5	G	- [Without rear anti-pinch system]	6	V	-	7	B	-	19	L	-	20	P	-	<table border="1"> <tr><td>Connector No.</td><td>D51</td></tr> <tr><td>Connector Name</td><td>REAR DOOR SPEAKER LH</td></tr> <tr><td>Connector Type</td><td>NS32FW-CS</td></tr> </table>  	Connector No.	D51	Connector Name	REAR DOOR SPEAKER LH	Connector Type	NS32FW-CS	<table border="1"> <tr><td>Terminal No.</td><td>Color of Wire</td><td>Signal Name [Specification]</td></tr> <tr><td>1</td><td>L</td><td>-</td></tr> <tr><td>2</td><td>P</td><td>-</td></tr> </table>	Terminal No.	Color of Wire	Signal Name [Specification]	1	L	-	2	P	-			
Connector No.	D41																																																								
Connector Name	WIRE TO WIRE																																																								
Connector Type	NH10MW-CS10																																																								
Terminal No.	Color of Wire	Signal Name [Specification]																																																							
1	V	-																																																							
2	Y	- [With rear anti-pinch system]																																																							
3	R	- [Without rear anti-pinch system]																																																							
4	W	- [With rear anti-pinch system]																																																							
5	G	- [Without rear anti-pinch system]																																																							
6	V	-																																																							
7	B	-																																																							
19	L	-																																																							
20	P	-																																																							
Connector No.	D51																																																								
Connector Name	REAR DOOR SPEAKER LH																																																								
Connector Type	NS32FW-CS																																																								
Terminal No.	Color of Wire	Signal Name [Specification]																																																							
1	L	-																																																							
2	P	-																																																							
<table border="1"> <tr><td>Connector No.</td><td>D52</td></tr> <tr><td>Connector Name</td><td>REAR POWER WINDOW MOTOR LH</td></tr> <tr><td>Connector Type</td><td>FR06FG</td></tr> </table>  	Connector No.	D52	Connector Name	REAR POWER WINDOW MOTOR LH	Connector Type	FR06FG	<table border="1"> <tr><td>Terminal No.</td><td>Color of Wire</td><td>Signal Name [Specification]</td></tr> <tr><td>1</td><td>W</td><td>- [With rear anti-pinch system]</td></tr> <tr><td>2</td><td>G</td><td>- [Without rear anti-pinch system]</td></tr> <tr><td>3</td><td>SB</td><td>-</td></tr> <tr><td>4</td><td>BR</td><td>-</td></tr> <tr><td>5</td><td>CR</td><td>-</td></tr> <tr><td>6</td><td>BG</td><td>-</td></tr> </table>	Terminal No.	Color of Wire	Signal Name [Specification]	1	W	- [With rear anti-pinch system]	2	G	- [Without rear anti-pinch system]	3	SB	-	4	BR	-	5	CR	-	6	BG	-	<table border="1"> <tr><td>Connector No.</td><td>D54</td></tr> <tr><td>Connector Name</td><td>REAR POWER WINDOW SWITCH LH (WITHOUT REAR ANTI-PINCH SYSTEM)</td></tr> <tr><td>Connector Type</td><td>NS38FW-CS</td></tr> </table>  	Connector No.	D54	Connector Name	REAR POWER WINDOW SWITCH LH (WITHOUT REAR ANTI-PINCH SYSTEM)	Connector Type	NS38FW-CS	<table border="1"> <tr><td>Terminal No.</td><td>Color of Wire</td><td>Signal Name [Specification]</td></tr> <tr><td>1</td><td>Y</td><td>-</td></tr> <tr><td>2</td><td>V</td><td>-</td></tr> <tr><td>3</td><td>R</td><td>-</td></tr> <tr><td>4</td><td>L</td><td>-</td></tr> <tr><td>5</td><td>G</td><td>-</td></tr> <tr><td>7</td><td>B</td><td>-</td></tr> </table>	Terminal No.	Color of Wire	Signal Name [Specification]	1	Y	-	2	V	-	3	R	-	4	L	-	5	G	-	7	B	-
Connector No.	D52																																																								
Connector Name	REAR POWER WINDOW MOTOR LH																																																								
Connector Type	FR06FG																																																								
Terminal No.	Color of Wire	Signal Name [Specification]																																																							
1	W	- [With rear anti-pinch system]																																																							
2	G	- [Without rear anti-pinch system]																																																							
3	SB	-																																																							
4	BR	-																																																							
5	CR	-																																																							
6	BG	-																																																							
Connector No.	D54																																																								
Connector Name	REAR POWER WINDOW SWITCH LH (WITHOUT REAR ANTI-PINCH SYSTEM)																																																								
Connector Type	NS38FW-CS																																																								
Terminal No.	Color of Wire	Signal Name [Specification]																																																							
1	Y	-																																																							
2	V	-																																																							
3	R	-																																																							
4	L	-																																																							
5	G	-																																																							
7	B	-																																																							

JRMWC4307GB

# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## DOOR HARNESS

Connector No.	D65
Connector Name	REAR DOOR LOCK ASSEMBLY LH
Connector Type	EOBFY-RS



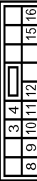
Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-
2	G	-

Connector No.	D66
Connector Name	REAR DOOR SPEAKER LH
Connector Type	NS0ZFBR-CS



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

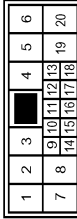
Connector No.	D67
Connector Name	REAR POWER WINDOW SWITCH LH
Connector Type	NS1EFW-CS



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

8	W	-
9	L	-
10	W	-
11	B	-
12	GR	-
15	BG	-
16	Y	-

Connector No.	D71
Connector Name	WIRE TO WIRE
Connector Type	NH10MW-CS10



Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-
2	Y	- [With rear anti-pinch system]
3	W	- [Without rear anti-pinch system]
5	P	-
6	LG	-
7	B	-
19	L	-
20	P	-

Connector No.	D72
Connector Name	REAR POWER WINDOW MOTOR RH
Connector Type	RS98FG



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	- [With rear anti-pinch system]
2	G	- [Without rear anti-pinch system]
3	L	-

4	BR	-
5	GR	-
6	BG	-

Connector No.	D73
Connector Name	REAR DOOR SPEAKER RH
Connector Type	NS0ZFW-CS



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

Connector No.	D74
Connector Name	REAR POWER WINDOW SWITCH RH WITHOUT REAR ANTI-PINCH SYSTEM
Connector Type	NS09FW-CS



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

Connector No.	D75
Connector Name	REAR DOOR LOCK ASSEMBLY RH
Connector Type	EOBFY-RS



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

Connector No.	D76
Connector Name	REAR DOOR SPEAKER RH
Connector Type	NS0ZFBR-CS



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

JRMWC4308GB

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

# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## DOOR HARNESS

Connector No.	D77
Connector Name	REAR POWER WINDOW SWITCH RH
Connector Type	INSIDEFW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
3	BR	-
4	SB	-
6	W	-
9	L	-
10	W	-
11	B	-
12	GR	-
15	BG	-
16	Y	-

JRMWC4309GB

# CONNECTOR INFORMATION

## [POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

### E Engine Room Harness

INFOID:000000007770841

#### ENGINE ROOM HARNESS

Connector No.	E1
Connector Name	FUSIBLE LINK HOLDER
Connector Type	LO2FBR-MC



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

Connector No.	E2
Connector Name	FUSIBLE LINK HOLDER
Connector Type	LO2FGV-MC



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

Connector No.	E4
Connector Name	FRAME INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	LO2FEB-MC



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

Connector No.	E5
Connector Name	FRAME INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	TH20FW-CS12-M-IV



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

Connector No.	E6
Connector Name	FRAME INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	TH08FW-NH



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

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



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

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



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

Connector No.	89
Connector No.	90
Connector No.	BR
Connector No.	P

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



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

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



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

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

PG

# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## ENGINE ROOM HARNESS

Connector No.	E13
Connector Name	DAYTIME RUNNING LIGHT RELAY
Connector Type	MSDF-MZ-LC



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

Connector No.	E15
Connector Name	VEL CONTROL MODULE
Connector Type	RH18FB-AJ28-RH



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	CAN-L
2	W	VMOT L
3	L/B	MOTOR L1
4	G	VEL/S-R 1
5	W	AGND 1
6	B	VEL/S-L 1
7	B	AGND 3
8	SB	AVCC 3
9	BG	VEB
10	BG	VEB
11	LG	AVCC 1
12	GR	CAN-H
13	G	MOTOR R 1
14	Y	V-MOT (R)
15	B/W	PGND
16	GY	MOTOR L 2
17	R	VEL-S-R 2
18	G	AGND 2
19	G	VEL-S-L 2

19	W	AGND 4
20	BR	AVCC 4
21	V	ABDR1
22	P	AVCC 2
23	Y	M-RLY
24	L	CAN-L
25	BR	MOTOR R 2

Connector No.	E16
Connector Name	VEL ACTUATOR MOTOR RELAY
Connector Type	24347 9F300



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

Connector No.	E17
Connector Name	COOLING FAN RELAY
Connector Type	24347 9F300



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

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



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

Connector No.	E19
Connector Name	FRONT FOGLAMP LH
Connector Type	FH202FB



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

Connector No.	E20
Connector Name	FRONT FOGLAMP RH
Connector Type	FH202FB



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

2	B/W	-
---	-----	---

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



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

JRMWC4311GB

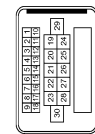
# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## ENGINE ROOM HARNESS

Connector No.	E25
Connector Name	WIRE TO WIRE
Connector Type	SA118MB-RS1P-SL72



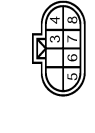
Terminal No.	Color of Wire	Signal Name [Specification]
1	BG	-
2	G	-
3	Y	-
4	BR	-
5	GR	-
10	V	-
11	R	-
12	P	-
13	W	-
14	SB	-
19	BG	-
21	P	-
22	L	-
23	BR	-
24	GR	-
25	Y	-
26	G	-
27	W	-
29	W	-
30	SB	-

Connector No.	E27
Connector Name	FRONT WHEEL SENSOR RH
Connector Type	A1Z02FB1



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

Connector No.	E28
Connector Name	FRONT COMBINATION LAMP RH
Connector Type	RS30FB-PR



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

Connector No.	E30
Connector Name	HOOD SWITCH
Connector Type	RH02FB



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

Connector No.	E31
Connector Name	WASHER PUMP
Connector Type	EG2FB-RS



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

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



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

Connector No.	E36
Connector Name	CRASH ZONE SENSOR
Connector Type	HR02FY-1V-EX-LC



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

Connector No.	E37
Connector Name	COOLING FAN CONTROL MODULE
Connector Type	LS201FY-SN22



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

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

PG

JRMWC4312GB

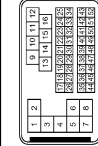
# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## ENGINE ROOM HARNESS

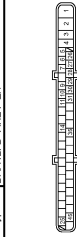
Connector No.	E40
Connector Name	WIRE TO WIRE
Connector Type	SAAS3MB-FSS-SHZ2



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

43	G	-
45	GR	-
46	SHIELD	-
47	W	-
48	BR	-
49	G	-
50	B	-
51	SB	-
52	R	-

Connector No.	E41
Connector Name	ABS ACTUATOR AND ELECTRIC UNIT CONTROL UNIT
Connector Type	BAA4ZFB-AHZ4-LH



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

Connector No.	E42
Connector Name	FRONT WIPER MOTOR
Connector Type	HS95FGY



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

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



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

Connector No.	E48
Connector Name	BRAME BOOSTER PRESSURE SENSOR
Connector Type	FR03FB



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

1	Y	-
2	BG	-
3	B	-

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



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

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



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

JRMWC4313GB



# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## ENGINE ROOM HARNESS

Connector No.	E75
Connector Name	EXHAUST GAS / OUTSIDE DOOR DETECTING SENSOR
Connector Type	RS3ZFB



Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	POWER
2	P	GROUND
3	L	EXHAUST GAS / OUTSIDE DOOR DETECTING SENSOR SIGNAL

Connector No.	E76
Connector Name	AMBIENT SENSOR
Connector Type	RS3ZFB



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

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

Connector No.	E69
Connector Name	HORN (LOW)
Connector Type	PO1FB-A



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

Connector No.	E70
Connector Name	HORN (LOW)
Connector Type	PO1FB-A



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

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

Connector No.	E61
Connector Name	HORN (HIGH)
Connector Type	PO1FB-A



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

Connector No.	E62
Connector Name	HORN (HIGH)
Connector Type	PO1FB-A



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

Connector No.	E67
Connector Name	LOC SENSOR INTEGRATED UNIT
Connector Type	RS36FB-PR

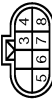


Connector No.	E57
Connector Name	INTELLIGENT KEY WORKING BUZZER (ENGINE ROOM)
Connector Type	RS3ZFB



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

Connector No.	E58
Connector Name	FRONT COMBINATION LAMP LH
Connector Type	RS36FB-PR



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

Connector No.	E60
Connector Name	FRONT WHEEL SENSOR LH
Connector Type	AZ3ZFE1



JRMWC4314GB

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

PG

# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## ENGINE ROOM HARNESS

Connector No.	E177
Connector Name	REFRIGERANT PRESSURE SENSOR
Connector Type	FRQ3FB



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

Connector No.	E101
Connector Name	FUSE BLOCK (J/B)
Connector Type	LQ1FW-MC



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

Connector No.	E102
Connector Name	FUSE BLOCK (J/B)
Connector Type	M02FB-LC



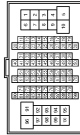
Terminal No.	Color of Wire	Signal Name [Specification]
1E	V	

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



Terminal No.	Color of Wire	Signal Name [Specification]
1F	SB	
2F	W	
4F	G	
6F	BR	
8F	L	
9F	P	

Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4



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

20	LG	
30	BR	
31	L	
32	BG	
36	SB	
37	Y	
38	R	
39	B	
40	G	
41	R	
42	LG	
43	G	
44	GR	
45	BR	
46	LG	
47	V	
48	P	
49	L	
59	B	
66	GR	
67	LG	
68	SB	
69	P	
70	G	
80	R	
81	P	
82	G	
83	V	
84	L	
85	W	
86	L	
87	BR	
88	GR	
89	V	
91	W	
93	GR	
95	LG	
97	SB	
98	SHIELD	
99	L	
100	P	

Connector No.	E107
Connector Name	PARKING BRAKE SWITCH
Connector Type	TEB01FW



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

Connector No.	E108
Connector Name	ASCD CLUTCH SWITCH
Connector Type	S02FL



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

Connector No.	E109
Connector Name	ASCD BRAKE SWITCH
Connector Type	S02FL



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

JRMWC4315GB

# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## ENGINE ROOM HARNESS

Connector No.	E110
Connector Name	STOP LAMP SWITCH
Connector Type	M04FW-LC



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

Connector No.	E111
Connector Name	CLUTCH INTERLOCK SWITCH
Connector Type	S02FL



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

Connector No.	E112
Connector Name	ACCELERATOR PEDAL POSITION SENSOR
Connector Type	R06EFB



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

1	P	-
2	V	-
3	R	-
4	W	-
5	L	-
6	GR	-



Connector No.	E114
Connector Name	IGCC BRAKE SWITCH
Connector Type	S02FL



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



Connector No.	E116
Connector Name	BRAKE PEDAL STROKE SENSOR
Connector Type	H504FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	P	S1
2	SB	VCC
3	G	S2
4	B	GROUND

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



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

Connector No.	E119
Connector Name	STOP LAMP SWITCH
Connector Type	M04FW-LC



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

Connector No.	E201
Connector Name	FUSIBLE LINK HOLDER
Connector Type	-



Terminal No.	Color of Wire	Signal Name [Specification]
5	Y	- [With M.T]

Connector No.	E202
Connector Name	FUSIBLE LINK HOLDER
Connector Type	-



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

Connector No.	E203
Connector Name	ALTERNATOR
Connector Type	-



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

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

PG

JRMWC4316GB

# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## ENGINE ROOM HARNESS

Connector No.	E304
Connector Name	STARTER MOTOR
Connector Type	-



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

Connector No.	E301
Connector Name	COOLING FAN CONTROL MODULE (COOLING FAN MOTOR-1)
Connector Type	61185-0259



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

Connector No.	E302
Connector Name	COOLING FAN CONTROL MODULE (COOLING FAN MOTOR-2)
Connector Type	61185-0259



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

JRMWC4317GB

# CONNECTOR INFORMATION

## [POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

### F Engine Control Harness

INFOID:000000007770842

#### ENGINE CONTROL HARNESS

Connector No.	F2
Connector Name	CRANKSHAFT POSITION SENSOR (POS)
Connector Type	RH08FB



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

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



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

Connector No.	F5
Connector Name	CRANKSHAFT POSITION SENSOR (PHASE 1)
Connector Type	RH08FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	- [With VQ25HR engine]
2	P	- [Except for VQ37VHR engine and AMD models]
3	LG	- [With VQ25HR engine]
3	O	- [With VQ37VHR engine and AMD models]
3	L	- [With VQ37VHR engine and AMD models]

Connector No.	F6
Connector Name	ELECTRIC SEATBELT CONTROL ACTUATOR (BANK 1)
Connector Type	RH08FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	AVCC-TPS [With VQ25HR engine]
1	G	MOTOR 1-1 [With VQ37VHR engine]
2	BR	MOTOR 1-2 [With VQ37VHR engine]
2	B	TPS 1-1 [With VQ25HR engine]
3	R	GND-A (TPS) [With VQ37VHR engine]
3	G	TPS 2-1 [With VQ25HR engine]
4	R	GND (TPS) [With VQ25HR engine]
4	Y	TPS 1-1 [With VQ37VHR engine]
5	V	MOTOR 1-2 [With VQ25HR engine]
5	B	TPS 2-1 [With VQ37VHR engine]
6	L	AVCC-TPS [With VQ37VHR engine]
6	P	MOTOR 1-1 [With VQ25HR engine]

Connector No.	F7
Connector Name	EVAP CANISTER PURGE VOLUME CONTROL SOLENOID VALVE
Connector Type	ES2FL-RS-LGY



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	V	- [With VQ25HR engine]
2	GR	- [With VQ37VHR engine]

Connector No.	F8
Connector Name	CONDENSER
Connector Type	MD2FW-LC



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

Connector No.	F9
Connector Name	WIRE TO WIRE
Connector Type	RS04FL-B



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

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



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

Connector No.	F11
Connector Name	(SPECIAL CASE, NO. 1) WITH POWER INDICATION
Connector Type	EQMFGY-RS



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

JRMWC4318GB

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

PG

# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## ENGINE CONTROL HARNESS

Connector No.	F12
Connector Name	IGNITION COIL No. 2 (WITH POWER TRANSISTOR)
Connector Type	EQ3FGY-RS



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

Connector No.	F13
Connector Name	IGNITION COIL No. 3 (WITH POWER TRANSISTOR)
Connector Type	EQ3FGY-RS



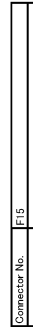
Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	B	-
3	W	-

Connector No.	F14
Connector Name	IGNITION COIL No. 4 (WITH POWER TRANSISTOR)
Connector Type	EQ3FGY-RS



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

Terminal No.	1	GR	-
	2	B	-
	3	W	-



Connector No.	F15
Connector Name	IGNITION COIL No. 5 (WITH POWER TRANSISTOR)
Connector Type	EQ3FGY-RS

Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	- [With VQ25HR engine]
2	B	- [With VQ37VHR engine]
3	W	-

Connector No.	F16
Connector Name	IGNITION COIL No. 6 (WITH POWER TRANSISTOR)
Connector Type	EQ3FGY-RS



Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	- [With VQ25HR engine]
2	B	- [With VQ37VHR engine]
3	W	-

Connector No.	F17
Connector Name	ENGINE COOLANT TEMPERATURE SENSOR
Connector Type	EQ2FGY-RS



Terminal No.	Color of Wire	Signal Name [Specification]
1	BG	- [With VQ25HR engine]
2	Y	- [With VQ37VHR engine]
3	B	-

Connector No.	F18
Connector Name	IGNITION POSITION SENSOR (PANEL) (BANK 2)
Connector Type	RH03FB



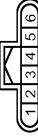
Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	- [With VQ25HR engine]
2	SB	- [With VQ37VHR engine]
3	R	- [With VQ25HR engine]
4	G	- [With VQ37VHR engine]
5	L	-

Connector No.	F20
Connector Name	AIR FUEL RATIO (A/F) SENSOR (BANK 2)
Connector Type	RH04MDGY-BR



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
2	V	-
3	W	- [AMD models]
4	SB	- [AMD models]
5	Y	- [AMD models]
6	O	- [AMD models]

Connector No.	F27
Connector Name	LOCKING THROTTLE CONTROL ACTUATOR (BANK 2)
Connector Type	RH03FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	R	-
3	W	-
4	B	-
5	P	- [With VQ25HR engine]
6	GR	- [With VQ37VHR engine]
7	L	- [With VQ25HR engine]
8	V	- [With VQ37VHR engine]

Connector No.	F28
Connector Name	INTAKE MANIFOLD THROTTLE CONTROL SOLENOID VALVE (BANK 1)
Connector Type	EQ2FG-RS-LGY



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

# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

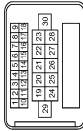
## ENGINE CONTROL HARNESS

Connector No.	F29
Connector Name	INTAKE VALVE TIMING CONTROL SOLENOID VALVE BANK 1
Connector Type	E02FC-RS-LGY



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	- [With VQ25HR engine]
2	R	- [With VQ37VHR engine]

Connector No.	F30
Connector Name	WIRE TO WIRE
Connector Type	SAA18FB-RS1P-S4ZZ



Terminal No.	Color of Wire	Signal Name [Specification]
1	BG	-
2	G	-
3	GR	-
4	SB	-
5	BG	-
10	V	-
11	R	-
12	R	-
13	W	-
14	Y	-
18	BR	-
21	R	-
22	Y	-
23	Y	-
24	GR	-
25	P	-
26	G	-
27	W	-
28	W	-

30	R	-
Connector No.	F31	
Connector Name	MASS AIR FLOW SENSOR (BANK 1)	
Connector Type	RH06FB	



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
2	Y	- [With VQ25HR engine]
2	P	- [With VQ37VHR engine]
3	L	- [With VQ25HR engine]
3	SB	- [With VQ37VHR engine]
4	P	- [With VQ25HR engine]
4	LG	- [With VQ37VHR engine]
5	G	- [With VQ25HR engine]
5	Y	- [With VQ37VHR engine]

Connector No.	F35
Connector Name	POWER STEERING PRESSURE SENSOR
Connector Type	RK03FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	- [With VQ25HR engine]
1	LG	- [With VQ37VHR engine]
2	SB	- [With VQ25HR engine]
2	P	- [With VQ37VHR engine]
3	R	-

Connector No.	F36
Connector Name	ALTERNATOR
Connector Type	HS03FB



Terminal No.	Color of Wire	Signal Name [Specification]
2	G	L
3	V	S
4	GR	C [With VQ25HR engine]
4	W	C [With VQ37VHR engine]

Connector No.	F37
Connector Name	OIL PRESSURE SWITCH
Connector Type	E01FSY-RS-AR



Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	- [With VQ25HR engine]
1	Y	- [With VQ37VHR engine]

Connector No.	F38
Connector Name	ENGINE OIL TEMPERATURE SENSOR
Connector Type	EG2FSY-RS



Terminal No.	Color of Wire	Signal Name [Specification]

1	G	-
2	B	- [Except for VQ37VHR engine and AMD models]
2	B/W	- [With VQ37VHR engine and AMD models]

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

PG

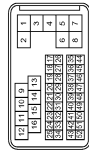
# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

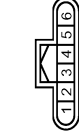
**ENGINE CONTROL HARNESS**

Connector No.	F39
Connector Name	WIRE TO WIRE
Connector Type	SAAS3FF-RSP-SH28



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

Connector No.	F47
Connector Name	VEH. CONTROL SW/FT POSITION SENSOR (BANK 2)
Connector Type	RH06FB



Connector No.	F44
Connector Name	COMPRESSOR
Connector Type	RK02FDY



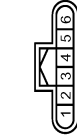
Terminal No.	Color of Wire	Signal Name [Specification]
2	Y	-
3	BQ	- [With VQ37VHR engine]
3	O	- [With VQ37VHR engine]

Connector No.	F45
Connector Name	POWER STEERING SOLENOID VALVE
Connector Type	RS02FBR-DGY



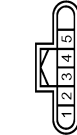
Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
2	B	-

Connector No.	F46
Connector Name	VEH. CONTROL SW/FT POSITION SENSOR (BANK 1)
Connector Type	RH06FB



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

Connector No.	F42
Connector Name	MASS AIR FLOW SENSOR (BANK 2)
Connector Type	RH06FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
2	Y	-
3	W	- [With VQ25HR engine]
3	BR	- [With VQ37VHR engine]
4	B	- [With VQ25HR engine]
4	Y	- [With VQ37VHR engine]
5	L	- [With VQ25HR engine]
5	GR	- [With VQ37VHR engine]

Connector No.	F43
Connector Name	COMPRESSOR
Connector Type	RS01FB



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

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

JRMWC4321 GB



# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## ENGINE CONTROL HARNESS

Connector No.	F43
Connector Name	VVEL ACTUATOR MOTOR (BANK 2)
Connector Type	X02FB



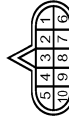
Terminal No.	Color of Wire	Signal Name [Specification]
1	L/B	-
2	L/Y	-

Connector No.	F50
Connector Name	MANIFOLD ABSOLUTE PRESSURE (MAP) SENSOR
Connector Type	RH03FB



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

Connector No.	F51
Connector Name	A/T ASSEMBLY
Connector Type	RK08FG-DGY



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

2	BR	- [With VQ25HR engine]
2	R	- [With VQ27VHR engine]
3	L	-
4	V	-
5	B	-
6	Y	- [With VQ25HR engine]
6	G	- [With VQ27VHR engine]
7	R	-
8	P	-
9	GR	-
10	B	-

Connector No.	F52
Connector Name	STARTER MOTOR
Connector Type	X01MGY



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

Connector No.	F53
Connector Name	HEATED OXYGEN SENSOR 2 (BANK 2)
Connector Type	AF204FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
2	G	- [With VQ25HR engine]
2	LG	- [With VQ27VHR engine]
3	LG	- [With VQ25HR engine]
3	SB	- [With VQ27VHR engine]
4	BR	- [With VQ25HR engine]
4	O	- [With VQ27VHR engine]

Connector No.	F54
Connector Name	HEATED OXYGEN SENSOR 2 (BANK 1)
Connector Type	AF204FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
2	G	- [With VQ25HR engine]
2	R	- [With VQ27VHR engine]
3	P	-
4	GR	- [With VQ25HR engine]
4	W	- [With VQ27VHR engine]

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



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

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



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

Connector No.	F57
Connector Name	AWD SOLENOID
Connector Type	RK08FB



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

Connector No.	F58
Connector Name	BANKSET VALUE TRIMMING CONTROL MARKET RETARDER (BANK 1)
Connector Type	RS04FL-B

























Terminal No.	Color of Wire	Signal Name [Specification]
1	P	POWER
2	SB	ELECTOR

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

# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

ENGINE CONTROL HARNESS			
Connector No.	F83	Color of Wire	GR
Connector Name	EXHAUST VALVE TIMING CONTROL MARKET RETARDER (BANK 2)	Terminal No.	3
Connector Type	RS34FE-B	Signal Name [Specification]	OUTPUT
 			
Terminal No.	1	Color of Wire	R
Terminal No.	2	Color of Wire	Y
Signal Name [Specification]	POWER EVTCOIL		
Connector No.	F81	Color of Wire	GR
Connector Name	WIRE TO WIRE	Terminal No.	1
Connector Type	RS3ZFBR-DGY	Signal Name [Specification]	POWER
 			
Terminal No.	1	Color of Wire	B
Terminal No.	2	Color of Wire	G
Signal Name [Specification]	-		
Connector No.	F82	Color of Wire	SHIELD
Connector Name	EXHAUST VALVE TIMING CONTROL POSITION SENSOR (BANK 1)	Terminal No.	1
Connector Type	RR33FB	Signal Name [Specification]	GROUND
 			
Terminal No.	1	Color of Wire	R
Terminal No.	2	Color of Wire	LG
Signal Name [Specification]	POWER		
Terminal No.	3	Color of Wire	GR
Terminal No.	4	Color of Wire	R
Signal Name [Specification]	OUTPUT		
Connector No.	F83	Color of Wire	L
Connector Name	EXHAUST VALVE TIMING CONTROL POSITION SENSOR (BANK 2)	Terminal No.	2
Connector Type	RR33FB	Signal Name [Specification]	GROUND
 			
Terminal No.	1	Color of Wire	L
Terminal No.	2	Color of Wire	P
Terminal No.	3	Color of Wire	G
Terminal No.	4	Color of Wire	R
Signal Name [Specification]	-		
Connector No.	F84	Color of Wire	W
Connector Name	AIR FUEL RATIO (A/F) SENSOR (BANK 2)	Terminal No.	1
Connector Type	RR34MLGY	Signal Name [Specification]	POWER
 			
Terminal No.	1	Color of Wire	V
Terminal No.	2	Color of Wire	LG
Terminal No.	3	Color of Wire	W
Terminal No.	4	Color of Wire	Y
Signal Name [Specification]	-		
Connector No.	F85	Color of Wire	W
Connector Name	WIRE TO WIRE	Terminal No.	1
Connector Type	RS3ZFLGY	Signal Name [Specification]	GROUND
 			
Terminal No.	1	Color of Wire	SHIELD
Terminal No.	2	Color of Wire	W
Signal Name [Specification]	-		
Connector No.	F86	Color of Wire	SHIELD
Connector Name	AIR FUEL RATIO (A/F) SENSOR (BANK 1)	Terminal No.	1
Connector Type	RR34MLGY	Signal Name [Specification]	GROUND
 			
Terminal No.	1	Color of Wire	P
Terminal No.	2	Color of Wire	L
Signal Name [Specification]	-		
Connector No.	F71	Color of Wire	W
Connector Name	FUEL INJECTOR No. 1	Terminal No.	1
Connector Type	HS32FGY	Signal Name [Specification]	GROUND
 			
Terminal No.	1	Color of Wire	W
Terminal No.	2	Color of Wire	P
Signal Name [Specification]	-		
Connector No.	F72	Color of Wire	W
Connector Name	FUEL INJECTOR No. 2	Terminal No.	1
Connector Type	HS32FGY	Signal Name [Specification]	GROUND
 			
Terminal No.	1	Color of Wire	W
Terminal No.	2	Color of Wire	GR
Signal Name [Specification]	-		
Connector No.	F73	Color of Wire	W
Connector Name	FUEL INJECTOR No. 3	Terminal No.	1
Connector Type	HS32FGY	Signal Name [Specification]	GROUND
 			
Terminal No.	1	Color of Wire	W
Terminal No.	2	Color of Wire	P
Signal Name [Specification]	-		
Connector No.	F74	Color of Wire	W
Connector Name	FUEL INJECTOR No. 4	Terminal No.	1
Connector Type	HS32FGY	Signal Name [Specification]	GROUND
 			
Terminal No.	1	Color of Wire	W
Terminal No.	2	Color of Wire	BR
Signal Name [Specification]	-		

JRMWC4323GB

# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## ENGINE CONTROL HARNESS

Connector No.	F75
Connector Name	FUEL INJECTOR No. 5
Connector Type	HSZDFGY



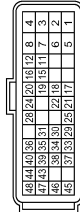
Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	BG	-

Connector No.	F76
Connector Name	FUEL INJECTOR No. 6
Connector Type	HSZDFGY



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

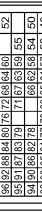
Connector No.	F101
Connector Name	ECM
Connector Type	RH40FB-R28-L-LH-Z



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	AFH 1 [With VQ25HR engine]
2	W	AFH 1 [With VQ37VHR engine]

2	P	MOTOR 1-B 1 [With VQ25HR engine]
2	G	MOTOR 1-B 1 [With VQ37VHR engine]
3	R	VMOT 1-B 1
4	V	MOTOR 2-B 1 [With VQ25HR engine]
4	BR	MOTOR 2-B 1 [With VQ37VHR engine]
5	SB	AFH 2 [Except for VQ37VHR engine and AWD models]
5	SB	AFH 2 [With VQ37VHR engine and AWD models]
6	Y	EVTCM1
7	Y	EVTCM2
8	B	GROUND
11	GR	IGNH4
12	L	IGNH3
15	LG	IGNH5 [With VQ25HR engine]
15	V	IGNH5 [With VQ37VHR engine]
16	G	IGNH2
17	P	O2HR 1
18	W	CVTCM1
19	BR	IGNH6 [With VQ25HR engine]
19	SB	IGNH6 [With VQ37VHR engine]
20	Y	IGNH1
21	V	EVAP [With VQ25HR engine]
21	GR	EVAP [With VQ37VHR engine]
22	R	FPR
24	SB	SSOFF [With VQ25HR engine]
24	P	SSOFF [With VQ37VHR engine]
25	BG	MOTRLY 1-B 1 [With VQ25HR engine]
25	O	MOTRLY 1-B 1 [With VQ37VHR engine and AWD models]
25	BR	MOTRLY 1-B 1 [With VQ37VHR engine and AWD models]
28	BR	ABORT
29	GR	CVTCM2 [With VQ25HR engine]
29	G	CVTCM2 [With VQ37VHR engine]
30	B	TPS 1-B 1 [With VQ25HR engine]
30	Y	TPS 1-B 1 [With VQ37VHR engine]
31	R	TPS 1-B 2
33	LG	O2HR 2 [With VQ25HR engine]
33	SB	O2HR 2 [With VQ37VHR engine]
34	G	TPS 2-B 1 [With VQ25HR engine]
34	B	TPS 2-B 1 [With VQ37VHR engine]
35	W	TPS 2-B 2
36	O	GNDA-IMPRES
37	W	IMPRES
38	O	IMPRES
39	P	GNDA-TPS-E 1
40	R	AVCC-TPS-E 2
43	C	AVCC-TPS-E 2
44	W	AVCC-TPS-B 1 [With VQ25HR engine]
44	LG	AVCC-TPS-B 1 [With VQ37VHR engine]
46	R	AVCC-POS
47	Y	GNDA-POS
48	B	GNDA-TPS-E 2

Connector No.	F102
Connector Name	ECM
Connector Type	RH40FB-R28-L-LH-Z



Terminal No.	Color of Wire	Signal Name [Specification]
48	P	MOTOR 2-B 2 [With VQ25HR engine]
48	GR	MOTOR 2-B 2 [With VQ37VHR engine]
50	L	MOTOR 1-B 2 [With VQ25HR engine]
50	V	MOTOR 1-B 2 [With VQ37VHR engine]
52	R	VMOT 2-B 2
53	W	IGNSW
54	Y	ENG CAN-L 1
55	LG	ENG CAN-H 1
57	L	AF-1
58	GR	E-PHASE#1
59	LG	PHASE#1 [With VQ25HR engine]
59	O	PHASE#1 [With VQ37VHR engine and AWD models]
59	L	PHASE#1 [With VQ37VHR engine and AWD models]
60	R	AVCC-PHS 1-E-PHS 1/FS [With VQ25HR engine]
60	G	AVCC-PHS 1-E-PHS 1/FS [With VQ37VHR engine]
61	P	AF-1 [With VQ25HR engine]
61	R	AF-1 [With VQ37VHR engine]
62	G	E-PHASE#2
63	L	PHASE#2
64	BR	AVCC-PHASE#2 [With VQ25HR engine]
64	SB	AVCC-PHASE#2 [With VQ37VHR engine]
65	V	AF-2 [With VQ25HR engine]
65	LG	AF-2 [With VQ37VHR engine]
66	LG	AF-2 [With VQ25HR engine]
66	LQ	AF-2 [With VQ37VHR engine]
67	Y	TA 1 [With VQ25HR engine]
67	V	TA 1 [With VQ37VHR engine]
68	P	GNDA-OA 1/TA 1 [With VQ25HR engine]
68	LG	GNDA-OA 1/TA 1 [With VQ37VHR engine]
69	W	IGNK 2
71	BG	TH [With VQ25HR engine]
71	EG	TH [With VQ37VHR engine]
72	SHIELD	GNDA-RNK
73	W	RNK
76	GR	O2SR 1 [With VQ25HR engine]
76	W	O2SR 1 [With VQ37VHR engine]
77	L	O2SR 1 [With VQ25HR engine]
77	L	O2SR 1 [With VQ37VHR engine]
77	L	GNDA-TPS-E 2
77	SB	GNDA-TPS-E 2

78	G	TO
79	W	OA 2 [With VQ25HR engine]
79	BR	OA 2 [With VQ37VHR engine]
80	BR	O2SR 2 [With VQ25HR engine]
80	O	O2SR 2 [With VQ37VHR engine]
81	P	INJ#3 [With VQ25HR engine]
81	R	INJ#3 [With VQ37VHR engine]
82	V	INJ#6
83	Y	TA 2
84	B	GNDA-O2S-TW-TO
85	GR	INJ#2 [With VQ25HR engine]
85	BR	INJ#2 [With VQ37VHR engine]
86	W	INJ#5 [With VQ25HR engine]
86	BG	INJ#5 [With VQ37VHR engine]
87	SB	PSPRES [With VQ25HR engine]
87	Y	PSPRES [With VQ37VHR engine]
88	LG	GNDA-EPHASE
89	L	INJ#1 [With VQ25HR engine]
89	GR	INJ#1 [With VQ37VHR engine]
90	BR	INJ#4 [With VQ25HR engine]
90	O	INJ#4 [With VQ37VHR engine]
91	G	CURSEN [With VQ25HR engine]
91	SB	CURSEN [With VQ37VHR engine]
92	R	GNDA-PHASE#2 [With VQ25HR engine]
92	G	GNDA-PHASE#2 [With VQ37VHR engine]
93	R	BATT [With VQ25HR engine]
93	P	BATT [With VQ37VHR engine]
94	B	GNDA-OA 2 [With VQ25HR engine]
94	Y	GNDA-OA 2 [With VQ37VHR engine]
95	W	GNDA-CURSEN [With VQ25HR engine]
95	G	GNDA-CURSEN [With VQ37VHR engine]
96	P	GNDA-PHASE#1 [PS Except for VQ37VHR engine and AWD models]
96	BR	GNDA-PHASE#1 [PS [With VQ37VHR engine and AWD models]

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

PG

# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## ENGINE CONTROL HARNESS

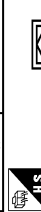
Connector No.	F103
Connector Name	WIRE TO WIRE
Connector Type	TH03FW-HS10



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

Terminal No.	Color of Wire	Signal Name [Specification]
2	G	-
3	W	-
4	R	-
5	B	-
9	G	- [With VQ25HR engine]
9	Y	- [With VQ37VHR engine]
10	L	- [With VQ25HR engine]
10	GR	- [With VQ37VHR engine]
19	O	- [Except for VQ37VHR engine and AWD models]
19	BG	- [VQ25HR engine with 4 and 6th, 10th and 11th cylinders (excludes model 2204)]
20	Y	-
28	B	-
29	LG	-
30	R	-
31	R	-
33	B	-
34	B	-
35	L	-
36	P	-
37	Y	-
38	G	-
41	O	-
42	BR	-
43	P	-
44	L	-
45	Y	- [With VQ25HR engine]
45	G	- [With VQ37VHR engine]
46	V	-

Connector No.	F104
Connector Name	WIRE TO WIRE
Connector Type	TH08FW-NH



1	2	3	4	5
---	---	---	---	---

Terminal No.	Color of Wire	Signal Name [Specification]
1	SB	- [VQ25HR engine]
1	P	- [VQ37VHR engine and 2WD models]
1	Y	- [VQ37VHR engine and AWD models]
2	LG	- [VQ25HR engine]
2	V	- [VQ37VHR engine and 2WD models]
2	W	- [VQ37VHR engine and AWD models]
3	L	- [Except for VQ37VHR engine and AWD models]
3	R	- [VQ37VHR engine and AWD models]
4	Y	- [Except for VQ37VHR engine and AWD models]
4	GR	- [VQ37VHR engine and AWD models]
6	V	- [Except for VQ37VHR engine and 2WD models]
6	GR	- [VQ37VHR engine and 2WD models]
7	R	- [Except for VQ37VHR engine and AWD models]
7	O	- [VQ37VHR engine and AWD models]
8	BG	- [VQ25HR engine]
8	O	- [VQ37VHR engine and AWD models]
8	BR	- [VQ37VHR engine and AWD models]

Connector No.	F105
Connector Name	WIRE TO WIRE
Connector Type	TH08MK-NH



1	2	3	4	5
---	---	---	---	---

Terminal No.	Color of Wire	Signal Name [Specification]
1	SB	- [VQ25HR engine]
1	P	- [VQ37VHR engine and 2WD models]
1	Y	- [VQ37VHR engine and AWD models]
2	LG	- [VQ25HR engine]
2	V	- [VQ37VHR engine and 2WD models]

2	W	- [VQ37VHR engine and AWD models]
3	L	- [Except for VQ37VHR engine and AWD models]
3	R	- [VQ37VHR engine and AWD models]
4	Y	- [Except for VQ37VHR engine and AWD models]
4	GR	- [VQ37VHR engine and AWD models]
6	V	- [Except for VQ37VHR engine and 2WD models]
6	GR	- [VQ37VHR engine and 2WD models]
7	R	- [Except for VQ37VHR engine and AWD models]
7	O	- [VQ37VHR engine and AWD models]
8	BG	- [VQ25HR engine]
8	O	- [VQ37VHR engine and AWD models]
8	BR	- [VQ37VHR engine and AWD models]

Connector No.	F106
Connector Name	WIRE TO WIRE
Connector Type	TH08FW-NH



1	2	3	4	5	6
---	---	---	---	---	---

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

Connector No.	F107
Connector Name	WIRE TO WIRE
Connector Type	TH08MK-NH



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

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

1	L	-
2	R	-
3	BR	-
4	BG	-
5	Y	-
6	GR	-
7	BR	-
8	V	-

Connector No.	F108
Connector Name	AWD CONTROL UNIT
Connector Type	TH16FW-NH



9	10	11	13	15	16
---	----	----	----	----	----

Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	AWD SOL (+)
2	Y	AWD SOL (-)
3	W	OIL TEMP (-)
7	G	IGN
8	L	CAN-H
9	BG	AWD SOL BAT [With VQ25HR engine]
9	O	AWD SOL BAT [With VQ37VHR engine]
10	B	GROUND
11	B	GROUND
13	LG	OIL TEMP (+)
15	Y	BATTERY
16	P	CAN-L

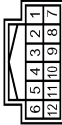
# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## ENGINE CONTROL HARNESS

Connector No.	F109
Connector Name	WIRE TO WIRE
Connector Type	TH12FW-NH



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

Connector No.	F110
Connector Name	WIRE TO WIRE
Connector Type	TH12MK-NH



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

Terminal No.	Color of Wire	Signal Name [Specification]
3	R	- [AVD models]
4	W	- [AVD models]
5	P	- [AVD models]
6	Y	- [AVD models]
7	BR	- [AVD models]
8	R	- [AVD models]
9	O	- [AVD models]
10	V	- [AVD models]
11	SB	- [AVD models]

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



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

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



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

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



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

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



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

Connector No.	F124
Connector Name	FUEL INJECTOR No. 4
Connector Type	HS02FGY



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

Connector No.	F125
Connector Name	FUEL INJECTOR No. 5
Connector Type	HS02FGY



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

Connector No.	F126
Connector Name	FUEL INJECTOR No. 6
Connector Type	HS02FGY



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

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

# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## ENGINE CONTROL HARNESS

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



Terminal No.	Color of Wire	Signal Name [Specification]
1	-	VIGN
2	-	BATT
3	-	CAN-H
4	-	K-LINE
5	-	GROUND
6	-	VIGN
7	-	REV LAMP RLY
8	-	CAN-L
9	-	STARTER RLY
10	-	GROUND

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



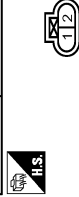
Terminal No.	Color of Wire	Signal Name [Specification]
1	-	GROUND
2	-	VOUT
3	-	VCC

Connector No.	F201
Connector Name	WIRE TO WIRE
Connector Type	RS94ML-B



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

Connector No.	F202
Connector Name	KNOCK SENSOR (BANK 2)
Connector Type	EG2FG-RS-LCY



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

Connector No.	F203
Connector Name	KNOCK SENSOR (BANK 1)
Connector Type	EG2EG-RS-LCY



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

Terminal No.	1	W	-
	2	SHIELD	-

Connector No.	F205
Connector Name	WIRE TO WIRE
Connector Type	RS32MLGY



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

Connector No.	F206
Connector Name	KNOCK SENSOR
Connector Type	EG2FG-RS



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

Connector No.	F251
Connector Name	WIRE TO WIRE
Connector Type	RS320MBR



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

Connector No.	F252
Connector Name	ENGINE OIL TEMPERATURE SENSOR
Connector Type	EG2FG-RS



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

JRMWC4327GB

# CONNECTOR INFORMATION

## [POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

### M Main Harness

INFOID:000000007770843

#### MAIN HARNESS

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



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

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



Terminal No.	Color of Wire	Signal Name [Specification]
1B	SB	-
2B	P	-
3B	G	-
4B	Y	-
5B	BC	-
6B	Y	-
7B	P	-
8B	B	-
9B	SB	-

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



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

Connector No.	M5
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-CS15



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

16	R	-
17	BR	-
18	V	-
19	EG	-
20	P	-
21	W	-
25	Y	-
26	G	-
27	L	-
28	Y	-
29	G	-
30	SB	-
31	LG	-
32	W	-
33	B	-
36	W	-
37	GR	-
38	Y	-
39	B	-
42	Y	-
43	L	-
44	G	- [With automatic drive positioner] - [Without automatic drive positioner]
47	L	-
48	GR	-
49	SB	-
50	P	-
51	LG	-
52	V	-

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



Terminal No.	Color of Wire	Signal Name [Specification]
1	EG	-
3	R	-
5	G	-
6	LG	-
7	W	-
9	G	-
10	W	-

11	V	-
12	R	-
13	L	-
14	GR	-
15	P	-
16	W	-
17	BR	-
18	P	-
19	L	-
20	L	-
30	BR	-
31	L	-
32	Y	-
36	R	-
37	Y	-
38	R	-
39	SB	-
40	G	-
41	V	-
42	LG	-
43	P	-
44	B	- [With A/T] - [With M/T]
45	BG	-
46	G	-
47	L	-
48	P	-
49	L	-
59	B	-
66	Y	-
67	G	-
68	R	-
69	W	-
70	G	-
80	SB	-
81	B	-
82	V	-
83	W	-
84	L	-
85	GR	-
86	G	-
87	R	-
88	B	-
89	LG	-
90	Y	-
91	W	-
95	Y	-
97	GR	-
98	SHIELD	-
99	V	-
100	SB	-

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

# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## MAIN HARNESS

Connector No.	M7
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS1E-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
45	SHIELD	
46	SB	
49	L	
50	P	
55	W	
56	B	
58	V	
59	Y	
60	Y	
61	W	
62	R	
63	G	
64	B	
65	SHIELD	
71	V	
72	P	
73	SB	
74	V	
81	W	
82	BR	
84	LG	
85	BG	
86	SB	
87	G	
88	GR	
89	L	
90	P	
91	BG	
92	L	
93	P	
95	BG	
96	Y	
100	P	

Connector No.	M17
Connector Name	WIRE TO WIRE
Connector Type	TR02FW



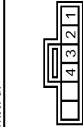
Terminal No.	Color of Wire	Signal Name [Specification]
1	L	
2	P	

Connector No.	M18
Connector Name	WIRE TO WIRE
Connector Type	TR02MW



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

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



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

Terminal No.	3	SB	
Terminal No.	4	B	

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



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

Connector No.	M22
Connector Name	KEY SLOTT
Connector Type	TH12FW-NH



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

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



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

Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	
2	P	
3	SB	[With automatic drive positioner]
3	P	[Without automatic drive positioner]
4	Y	
6	L	
7	W	
8	G	[With rear anti-pinch system]
8	Y	[Without rear anti-pinch system]
9	Y	[With rear anti-pinch system]
9	G	[Without rear anti-pinch system]
15	R	
16	BR	
17	P	
18	V	
20	L	
21	P	
22	L	
23	P	
24	V	
25	LG	
26	BR	
27	BG	
28	LG	
31	V	
32	LG	
33	SHIELD	
34	GR	
35	BR	
36	Y	
37	SHIELD	
38	SB	
39	G	
40	O	
41	W	
42	SHIELD	
43	R	
44	G	

JRMWC4329GB



# CONNECTOR INFORMATION

## [POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

### MAIN HARNESS

Connector No.	M24	Terminal No.	18	W	-
Connector Name	DATA LINK CONNECTOR	Terminal No.	1	Color of Wire	B
Connector Type	BD16FW-P	Signal Name [Specification]	3	Color of Wire	LG
			4	Color of Wire	B
			5	Color of Wire	B
			6	Color of Wire	L
			7	Color of Wire	V
			8	Color of Wire	G
			11	Color of Wire	SB
			14	Color of Wire	P
			16	Color of Wire	R
Connector No.	M25	Terminal No.	1	Color of Wire	L
Connector Name	WIRE TO WIRE	Signal Name [Specification]	2	Color of Wire	W
Connector Type	NS16MW-CS		3	Color of Wire	BR
			4	Color of Wire	R
			5	Color of Wire	L
			6	Color of Wire	LG
			7	Color of Wire	B
			10	Color of Wire	P
			12	Color of Wire	Y
			13	Color of Wire	SB
			14	Color of Wire	R
			15	Color of Wire	G
Connector No.	M26	Terminal No.	1	Color of Wire	L
Connector Name	COMBINATION SWITCH (SPRAL CABLE)	Signal Name [Specification]	2	Color of Wire	P
Connector Type	TH08FY-IV		3	Color of Wire	B
			7	Color of Wire	B
			8	Color of Wire	G
Connector No.	M33	Terminal No.	1	Color of Wire	GR
Connector Name	COMBINATION SWITCH	Signal Name [Specification]	2	Color of Wire	SB
Connector Type	TH16FW-NH		5	Color of Wire	L
			6	Color of Wire	B
			7	Color of Wire	BG
			8	Color of Wire	BR
			9	Color of Wire	W
			10	Color of Wire	R
			11	Color of Wire	LG
			12	Color of Wire	P
			13	Color of Wire	Y
			14	Color of Wire	G
Connector No.	M35	Terminal No.	1	Color of Wire	GR
Connector Name	COMBINATION SWITCH (SPRAL CABLE)	Signal Name [Specification]	2	Color of Wire	SB
Connector Type	TH08FY-EX-1V		5	Color of Wire	L
			6	Color of Wire	B
			7	Color of Wire	BG
			8	Color of Wire	BR
			9	Color of Wire	W
			10	Color of Wire	R
			11	Color of Wire	LG
			12	Color of Wire	P
			13	Color of Wire	Y
			14	Color of Wire	G
Connector No.	M37	Terminal No.	1	Color of Wire	L
Connector Name	STEERING ANGLE SENSOR	Signal Name [Specification]	2	Color of Wire	P
Connector Type	TH08FW-NH		7	Color of Wire	B
			8	Color of Wire	G
Connector No.	M38	Terminal No.	1	Color of Wire	L
Connector Name	COMBINATION SWITCH (SPRAL CABLE)	Signal Name [Specification]	2	Color of Wire	P
Connector Type	TH08FY-IV		7	Color of Wire	B
			8	Color of Wire	G

JRMWC4330GB

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

PG

# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## MAIN HARNESS

Connector No.	M89
Connector Name	PADDLE SHIFTER (SHIFT-UP)
Connector Type	AMFW



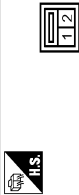
Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
3	BG	-

Connector No.	M44
Connector Name	SONAR CONTROL UNIT
Connector Type	TH3AFW-NH



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

Connector No.	M48
Connector Name	SUNLOAD SENSOR
Connector Type	K02FB



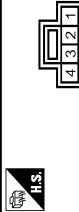
Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	SB	-

Connector No.	M48
Connector Name	TILT & TELESCOPIC SENSOR
Connector Type	TR04FW



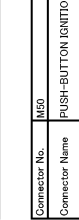
Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	P	-
3	BG	-
4	Y	-

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



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	TILT SW (UPWARD)
2	LG	MIRROR SELECT SW (RH)
3	G	MIRROR SW (UPWARD)
4	Y	MIRROR SW (LEFTWARD)
5	B	MIRROR SENSOR (H) (VERTICAL)
6	GR	MIRROR SENSOR (LH) (VERTICAL)
7	BG	TILT SENSOR

Connector No.	M50
Connector Name	PUSH-BUTTON IGNITION SWITCH
Connector Type	TR08FBR



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

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



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	TILT SW (UPWARD)
2	LG	MIRROR SELECT SW (RH)
3	G	MIRROR SW (UPWARD)
4	Y	MIRROR SW (LEFTWARD)
5	B	MIRROR SENSOR (H) (VERTICAL)
6	GR	MIRROR SENSOR (LH) (VERTICAL)
7	BG	TILT SENSOR

9	BR	ADDRESS 1
10	V	TX (UARD)
11	GR	TELESCOPIC SW (FRONTWARD)
12	BG	IND 1
13	P	IND 2
14	W	MIRROR MOTOR (RH) (VERTICAL)
15	BG	MIRROR MOTOR (RH) (HORIZONTAL)
16	Y	MIRROR MOTOR (LH) (COMMON)
17	BR	TILT SW (DOWNWARD)
18	W	MIRROR SELECT SW (LH)
19	SB	MIRROR SW (DOWNWARD)
20	L	MIRROR SW (RIGHTWARD)
21	L	MIRROR SENSOR (RH) (HORIZONTAL)
22	B	MIRROR SENSOR (LH) (HORIZONTAL)
23	P	TELESCOPIC SENSOR
24	R	SET SW
25	V	ADDRESS 2
26	P	RX (UARD)
27	G	TELESCOPIC SW (BACKWARD)
30	SB	MIRROR MOTOR (RH) (COMMON)
31	G	MIRROR MOTOR (LH) (VERTICAL)
32	L	MIRROR MOTOR (LH) (HORIZONTAL)

Connector No.	M52
Connector Name	AUTOMATIC DRIVE POSITIONER CONTROL UNIT
Connector Type	NS16FW-CS



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

JRMWC4331 GB

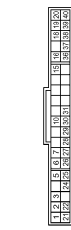
# CONNECTOR INFORMATION

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

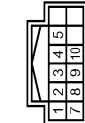
## MAIN HARNESS

Connector No.	M63
Connector Name	COMBINATION METER
Connector Type	SB40FW



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

Connector No.	M64
Connector Name	METER CONTROL SWITCH
Connector Type	TH12FW-RH



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

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



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

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



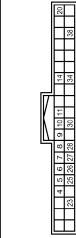
Terminal No.	Color of Wire	Signal Name [Specification]
1	L	- [With automatic drive positioner]
1	W	- [Without automatic drive positioner]
2	SB	- [With automatic drive positioner]
2	P	- [Without automatic drive positioner]

Connector No.	M63
Connector Name	CENTER SPEAKER
Connector Type	TK02FBR



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

Connector No.	M66
Connector Name	UNITED METER AND A/C AMP.
Connector Type	TH40FW-NH



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

4	G	STOP LAMP SWITCH SIGNAL
5	L	MANUAL MODE SHIFT UP SIGNAL
6	BG	PADDLE SHIFTER UP SIGNAL
7	GR	COMMUNICATION SIGNAL (AMP->METER)
8	L	VEHICLE SPEED SIGNAL (2-PULSE)
9	SB	SEAT BELT BUCKLE SWITCH SIGNAL (DRIVER SIDE)
10	W	MANUAL MODE SIGNAL
11	G	NON-MANUAL MODE SIGNAL
14	BR	COMMUNICATION SIGNAL (LCD->AMP.)
20	BR	ION ON / OFF SIGNAL
23	Y	A/T SHOW SWITCH SIGNAL
25	V	MANUAL MODE SHIFT DOWN SIGNAL
26	G	PADDLE SHIFTER DOWN SIGNAL
27	LG	COMMUNICATION SIGNAL (METER->AMP.)
28	R	VEHICLE SPEED SIGNAL (8-PULSE)
30	V	PARKING BRAKE SWITCH SIGNAL
34	Y	COMMUNICATION SIGNAL (AMP->LCD)
38	P	BLOWER MOTOR CONTROL SIGNAL

JRMWC4332GB

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

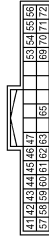
# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## MAIN HARNESS

Connector No.	M67
Connector Name	UNIFIED METER AND A/C AMP.
Connector Type	TH32FW-NH



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

Connector No.	M69
Connector Name	BACK-UP LAMP RELAY
Connector Type	MS02FL-M2-LC



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

Connector No.	M70
Connector Name	HEATED SEAT RELAY
Connector Type	MS02FL-M2-LC



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

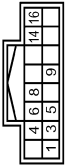
Connector No.	M71
Connector Name	DISPLAY UNIT
Connector Type	TH24FW-NH



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

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

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



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

Connector No.	M73
Connector Name	FRONT PASSENGER AIR BAG OFF INDICATOR
Connector Type	TH10MW-NH



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

Connector No.	M74
Connector Name	CLOCK
Connector Type	TH104FW-NH



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

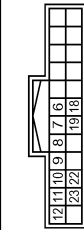
# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## MAIN HARNESS

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



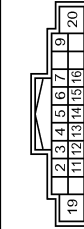
Terminal No.	Color of Wire	Signal Name [Specification]
6	SHIELD	SHIELD
7	SHIELD	SHIELD
8	W	CAMERA IMAGE SIGNAL
9	L	COMM (DISP->CONT)
10	P	COMM (CONT->DISP)
11	Y	BATTERY
12	B	GROUND
18	L	COMPOSITE IMAGE SIGNAL
19	P	COMPOSITE IMAGE GND
22	SHIELD	SHIELD
23	LG	ACC

Connector No.	M77
Connector Name	INTAKE SENSOR
Connector Type	TH04FEW



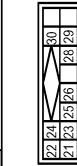
Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	
2	GR	

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



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

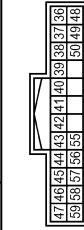
Connector No.	M82
Connector Name	AV CONTROL UNIT
Connector Type	A12FW



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

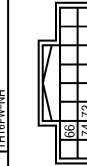
29	G	COMM (SAT->CONT)
30	L	COMM (CONT->SAT)

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



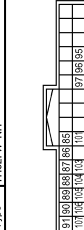
Terminal No.	Color of Wire	Signal Name [Specification]
36	BR	COMPOSITE IMAGE SIGNAL
37	Y	COMPOSITE IMAGE GND
38	P	RGB (BLUE) SIGNAL
39	L	RGB (GREEN) SIGNAL
40	G	RGB (RED) SIGNAL
41	W	RGB SYNC
42	SHIELD	SHIELD
43	B	RGB AREA (YS) SIGNAL
44	L	COMM (DISP->CONT)
45	R	HP
46	LG	SIGNAL GND
47	BG	SIGNAL VCC
48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

Connector No.	M84
Connector Name	AV CONTROL UNIT
Connector Type	TH16FW-NH



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

Connector No.	M85
Connector Name	AV CONTROL UNIT
Connector Type	TH24FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
85	B	GROUND
86	L	CAN-H
87	P	CAN-L
88	SB	AV COMM (H)
89	LG	AV COMM (L)
90	SB	AV COMM (H)
91	LG	AV COMM (L)
95	R	AUX SOUND SIGNAL RH (+)
96	W	AUX SOUND SIGNAL LH (+)
97	B	AUX SOUND SIGNAL GND
101	BR	SW GND
103	V	EJECT SIGNAL
104	G	IGNITION
105	BG	REVERSE
106	SB	PARKING BRAKE
107	R	VEHICLE SPEED (8-PULSE)

JRMWC4334GB

# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## MAIN HARNESS

<table border="1"> <tr><td>Connector No.</td><td>M81</td></tr> <tr><td>Connector Name</td><td>WIRE TO WIRE</td></tr> <tr><td>Connector Type</td><td>A03MW-P</td></tr> </table> <table border="1"> <tr><td>Terminal No.</td><td>1</td><td>2</td><td>3</td></tr> <tr><td>Color of Wire</td><td>R</td><td>B</td><td>P</td></tr> <tr><td>Signal Name [Specification]</td><td>-</td><td>-</td><td>-</td></tr> </table> <table border="1"> <tr><td>Connector No.</td><td>M82</td></tr> <tr><td>Connector Name</td><td>WIRE TO WIRE</td></tr> <tr><td>Connector Type</td><td>C00EFCY</td></tr> </table> <table border="1"> <tr><td>Terminal No.</td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td></tr> <tr><td>Color of Wire</td><td>W</td><td>L</td><td>G</td><td>R</td><td>SHIELD</td><td>-</td><td>-</td></tr> <tr><td>Signal Name [Specification]</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> </table> <table border="1"> <tr><td>Connector No.</td><td>M84</td></tr> <tr><td>Connector Name</td><td>OPTICAL SENSOR</td></tr> <tr><td>Connector Type</td><td>T003FW</td></tr> </table> <table border="1"> <tr><td>Terminal No.</td><td>1</td><td>2</td><td>3</td></tr> <tr><td>Color of Wire</td><td>L</td><td>L</td><td>V</td></tr> <tr><td>Signal Name [Specification]</td><td>GROUND</td><td>SIGNAL</td><td>BATTERY</td></tr> </table>	Connector No.	M81	Connector Name	WIRE TO WIRE	Connector Type	A03MW-P	Terminal No.	1	2	3	Color of Wire	R	B	P	Signal Name [Specification]	-	-	-	Connector No.	M82	Connector Name	WIRE TO WIRE	Connector Type	C00EFCY	Terminal No.	1	2	3	4	5	6	7	Color of Wire	W	L	G	R	SHIELD	-	-	Signal Name [Specification]	-	-	-	-	-	-	-	Connector No.	M84	Connector Name	OPTICAL SENSOR	Connector Type	T003FW	Terminal No.	1	2	3	Color of Wire	L	L	V	Signal Name [Specification]	GROUND	SIGNAL	BATTERY	<table border="1"> <tr><td>Terminal No.</td><td>1</td><td>2</td><td>3</td></tr> <tr><td>Color of Wire</td><td>Y</td><td>BG</td><td>B</td></tr> <tr><td>Signal Name [Specification]</td><td>POWER OUTPUT</td><td>GROUND</td><td>-</td></tr> </table> <table border="1"> <tr><td>Connector No.</td><td>M88</td></tr> <tr><td>Connector Name</td><td>IONIZER</td></tr> <tr><td>Connector Type</td><td>T104FW-NH</td></tr> </table> <table border="1"> <tr><td>Terminal No.</td><td>1</td><td>2</td><td>3</td><td>4</td></tr> <tr><td>Color of Wire</td><td>V</td><td>L</td><td>B</td><td>BR</td></tr> <tr><td>Signal Name [Specification]</td><td>IGN</td><td>ION MODE</td><td>GROUND</td><td>ION ON / OFF</td></tr> </table> <table border="1"> <tr><td>Connector No.</td><td>M101</td></tr> <tr><td>Connector Name</td><td>TIRE PRESSURE RECEIVER</td></tr> <tr><td>Connector Type</td><td>T104FW</td></tr> </table> <table border="1"> <tr><td>Terminal No.</td><td>1</td><td>2</td><td>4</td></tr> <tr><td>Color of Wire</td><td>BG</td><td>Y</td><td>P</td></tr> <tr><td>Signal Name [Specification]</td><td>GROUND</td><td>SIGNAL OUTPUT</td><td>BATTERY</td></tr> </table>	Terminal No.	1	2	3	Color of Wire	Y	BG	B	Signal Name [Specification]	POWER OUTPUT	GROUND	-	Connector No.	M88	Connector Name	IONIZER	Connector Type	T104FW-NH	Terminal No.	1	2	3	4	Color of Wire	V	L	B	BR	Signal Name [Specification]	IGN	ION MODE	GROUND	ION ON / OFF	Connector No.	M101	Connector Name	TIRE PRESSURE RECEIVER	Connector Type	T104FW	Terminal No.	1	2	4	Color of Wire	BG	Y	P	Signal Name [Specification]	GROUND	SIGNAL OUTPUT	BATTERY	<table border="1"> <tr><td>Terminal No.</td><td>1</td><td>2</td><td>3</td></tr> <tr><td>Color of Wire</td><td>R</td><td>B</td><td>-</td></tr> <tr><td>Signal Name [Specification]</td><td>-</td><td>-</td><td>-</td></tr> </table> <table border="1"> <tr><td>Connector No.</td><td>M104</td></tr> <tr><td>Connector Name</td><td>REMOTE KEYLESS ENTRY RECEIVER</td></tr> <tr><td>Connector Type</td><td>JAB04FB</td></tr> </table> <table border="1"> <tr><td>Terminal No.</td><td>1</td><td>2</td><td>4</td></tr> <tr><td>Color of Wire</td><td>BG</td><td>Y</td><td>P</td></tr> <tr><td>Signal Name [Specification]</td><td>GROUND</td><td>SIGNAL OUTPUT</td><td>BATTERY</td></tr> </table>	Terminal No.	1	2	3	Color of Wire	R	B	-	Signal Name [Specification]	-	-	-	Connector No.	M104	Connector Name	REMOTE KEYLESS ENTRY RECEIVER	Connector Type	JAB04FB	Terminal No.	1	2	4	Color of Wire	BG	Y	P	Signal Name [Specification]	GROUND	SIGNAL OUTPUT	BATTERY	<table border="1"> <tr><td>Terminal No.</td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td></tr> <tr><td>Color of Wire</td><td>L</td><td>SHIELD</td><td>G</td><td>BR</td><td>BG</td><td>Y</td><td>P</td><td>LG</td><td>V</td><td>B</td><td>B</td><td>R</td><td>R</td><td>R</td><td>R</td><td>G</td><td>SHIELD</td><td>B</td><td>Y</td><td>R</td><td>-</td></tr> <tr><td>Signal Name [Specification]</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> </table>	Terminal No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	Color of Wire	L	SHIELD	G	BR	BG	Y	P	LG	V	B	B	R	R	R	R	G	SHIELD	B	Y	R	-	Signal Name [Specification]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<table border="1"> <tr><td>Terminal No.</td><td>1</td><td>2</td></tr> <tr><td>Color of Wire</td><td>BG</td><td>BG</td></tr> <tr><td>Signal Name [Specification]</td><td>-</td><td>-</td></tr> </table> <table border="1"> <tr><td>Connector No.</td><td>M105</td></tr> <tr><td>Connector Name</td><td>TRUNK LID OPENER CANCEL SWITCH</td></tr> <tr><td>Connector Type</td><td>S02FW</td></tr> </table> <table border="1"> <tr><td>Terminal No.</td><td>1</td></tr> <tr><td>Color of Wire</td><td>BG</td></tr> <tr><td>Signal Name [Specification]</td><td>-</td></tr> </table>	Terminal No.	1	2	Color of Wire	BG	BG	Signal Name [Specification]	-	-	Connector No.	M105	Connector Name	TRUNK LID OPENER CANCEL SWITCH	Connector Type	S02FW	Terminal No.	1	Color of Wire	BG	Signal Name [Specification]	-	<table border="1"> <tr><td>Terminal No.</td><td>2</td><td>B</td></tr> </table> <table border="1"> <tr><td>Connector No.</td><td>M106</td></tr> <tr><td>Connector Name</td><td>WIRE TO WIRE</td></tr> <tr><td>Connector Type</td><td>NH10MW-CS10</td></tr> </table> <table border="1"> <tr><td>Terminal No.</td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td></tr> <tr><td>Color of Wire</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> <tr><td>Signal Name [Specification]</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> </table>	Terminal No.	2	B	Connector No.	M106	Connector Name	WIRE TO WIRE	Connector Type	NH10MW-CS10	Terminal No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	Color of Wire	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Signal Name [Specification]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Connector No.	M81																																																																																																																																																																																																																																																																																																																							
Connector Name	WIRE TO WIRE																																																																																																																																																																																																																																																																																																																							
Connector Type	A03MW-P																																																																																																																																																																																																																																																																																																																							
Terminal No.	1	2	3																																																																																																																																																																																																																																																																																																																					
Color of Wire	R	B	P																																																																																																																																																																																																																																																																																																																					
Signal Name [Specification]	-	-	-																																																																																																																																																																																																																																																																																																																					
Connector No.	M82																																																																																																																																																																																																																																																																																																																							
Connector Name	WIRE TO WIRE																																																																																																																																																																																																																																																																																																																							
Connector Type	C00EFCY																																																																																																																																																																																																																																																																																																																							
Terminal No.	1	2	3	4	5	6	7																																																																																																																																																																																																																																																																																																																	
Color of Wire	W	L	G	R	SHIELD	-	-																																																																																																																																																																																																																																																																																																																	
Signal Name [Specification]	-	-	-	-	-	-	-																																																																																																																																																																																																																																																																																																																	
Connector No.	M84																																																																																																																																																																																																																																																																																																																							
Connector Name	OPTICAL SENSOR																																																																																																																																																																																																																																																																																																																							
Connector Type	T003FW																																																																																																																																																																																																																																																																																																																							
Terminal No.	1	2	3																																																																																																																																																																																																																																																																																																																					
Color of Wire	L	L	V																																																																																																																																																																																																																																																																																																																					
Signal Name [Specification]	GROUND	SIGNAL	BATTERY																																																																																																																																																																																																																																																																																																																					
Terminal No.	1	2	3																																																																																																																																																																																																																																																																																																																					
Color of Wire	Y	BG	B																																																																																																																																																																																																																																																																																																																					
Signal Name [Specification]	POWER OUTPUT	GROUND	-																																																																																																																																																																																																																																																																																																																					
Connector No.	M88																																																																																																																																																																																																																																																																																																																							
Connector Name	IONIZER																																																																																																																																																																																																																																																																																																																							
Connector Type	T104FW-NH																																																																																																																																																																																																																																																																																																																							
Terminal No.	1	2	3	4																																																																																																																																																																																																																																																																																																																				
Color of Wire	V	L	B	BR																																																																																																																																																																																																																																																																																																																				
Signal Name [Specification]	IGN	ION MODE	GROUND	ION ON / OFF																																																																																																																																																																																																																																																																																																																				
Connector No.	M101																																																																																																																																																																																																																																																																																																																							
Connector Name	TIRE PRESSURE RECEIVER																																																																																																																																																																																																																																																																																																																							
Connector Type	T104FW																																																																																																																																																																																																																																																																																																																							
Terminal No.	1	2	4																																																																																																																																																																																																																																																																																																																					
Color of Wire	BG	Y	P																																																																																																																																																																																																																																																																																																																					
Signal Name [Specification]	GROUND	SIGNAL OUTPUT	BATTERY																																																																																																																																																																																																																																																																																																																					
Terminal No.	1	2	3																																																																																																																																																																																																																																																																																																																					
Color of Wire	R	B	-																																																																																																																																																																																																																																																																																																																					
Signal Name [Specification]	-	-	-																																																																																																																																																																																																																																																																																																																					
Connector No.	M104																																																																																																																																																																																																																																																																																																																							
Connector Name	REMOTE KEYLESS ENTRY RECEIVER																																																																																																																																																																																																																																																																																																																							
Connector Type	JAB04FB																																																																																																																																																																																																																																																																																																																							
Terminal No.	1	2	4																																																																																																																																																																																																																																																																																																																					
Color of Wire	BG	Y	P																																																																																																																																																																																																																																																																																																																					
Signal Name [Specification]	GROUND	SIGNAL OUTPUT	BATTERY																																																																																																																																																																																																																																																																																																																					
Terminal No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20																																																																																																																																																																																																																																																																																																				
Color of Wire	L	SHIELD	G	BR	BG	Y	P	LG	V	B	B	R	R	R	R	G	SHIELD	B	Y	R	-																																																																																																																																																																																																																																																																																																			
Signal Name [Specification]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																																																																																																																																																																																																																																																																																																			
Terminal No.	1	2																																																																																																																																																																																																																																																																																																																						
Color of Wire	BG	BG																																																																																																																																																																																																																																																																																																																						
Signal Name [Specification]	-	-																																																																																																																																																																																																																																																																																																																						
Connector No.	M105																																																																																																																																																																																																																																																																																																																							
Connector Name	TRUNK LID OPENER CANCEL SWITCH																																																																																																																																																																																																																																																																																																																							
Connector Type	S02FW																																																																																																																																																																																																																																																																																																																							
Terminal No.	1																																																																																																																																																																																																																																																																																																																							
Color of Wire	BG																																																																																																																																																																																																																																																																																																																							
Signal Name [Specification]	-																																																																																																																																																																																																																																																																																																																							
Terminal No.	2	B																																																																																																																																																																																																																																																																																																																						
Connector No.	M106																																																																																																																																																																																																																																																																																																																							
Connector Name	WIRE TO WIRE																																																																																																																																																																																																																																																																																																																							
Connector Type	NH10MW-CS10																																																																																																																																																																																																																																																																																																																							
Terminal No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20																																																																																																																																																																																																																																																																																																				
Color of Wire	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																																																																																																																																																																																																																																																																																																			
Signal Name [Specification]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																																																																																																																																																																																																																																																																																																			

JRMWC4335GB

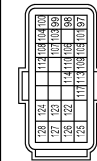
# CONNECTOR INFORMATION

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

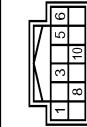
## MAIN HARNESS

Connector No.	M107
Connector Name	ECM
Connector Type	FR24FCV-R2B-R-LH-Z



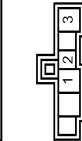
Terminal No.	Color of Wire	Signal Name [Specification]
97	R	APS 1
98	P	APS 2
99	L	AVCC-APS 1
100	W	GND-A-APS 1
101	SB	ASQDSW
102	LG	FTRPS
103	GR	AVCC-APS 2
104	V	GND-APS 2
105	L	PDPRESS
106	W	TF
107	GR	AVCC-FTRPS
108	Y	GND-A-ASQD
109	G	NEUT-H
110	R	TACHO
112	V	GND-A [With EVAP]
113	W	GND-A [Without EVAP]
114	P	VEHICAN-L 1
117	V	VEHICAN-H 1
121	LG	KLINE
122	P	CDCV
123	B	BRAKE
124	B	GROUND
125	R	GROUND
126	BR	VBR
127	B	BNC SW
128	B	GROUND

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



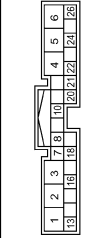
Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	SOL
3	G	VGN
5	B	SOL GND
6	B	GROUND
8	SB	VSP
10	R	TACHO

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



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

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



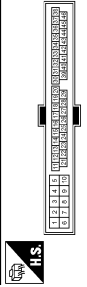
Terminal No.	Color of Wire	Signal Name [Specification]
1	P	MOTOR (RH) (RELEASE)
2	W	+B
3	L	MOTOR (RH) (FASTEN)
4	BG	MOTOR (LH) (FASTEN)
5	W	GND (DRIVE)
6	Y	MOTOR (LH) (RELEASE)
7	G	INDICATOR
8	LG	BUCKLE SW RH
10	SB	BUCKLE SW LH
13	W	IGN
16	W	SENS OUTPUT 1
18	R	SENS POWER
20	G	SENS OUTPUT 2
21	B	SENS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

Connector No.	M113
Connector Name	USB CONNECTOR
Connector Type	HA04FG



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

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



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

JRMWC4336GB

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

PG

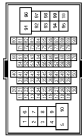
# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## MAIN HARNESS

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



Terminal No.	Color of Wire	Signal Name [Specification]
93	W	- [Without rear anti-pinch system]
94	Y	-
95	G	-
96	G	-
97	R	-
98	BG	-
99	P	-
100	L	-

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



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

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



Terminal No.	Color of Wire	Signal Name [Specification]
4	LG	INTERIOR ROOM LAMP POWER SUPPLY
5	P	PASSENGER DOOR UNLOCK OUTPUT
7	SB	STEP LAMP CONT.
8	V	ALL DOOR FUEL LID LOCK OUTPUT
9	G	DRIVER DOOR FUEL LID UNLOCK OUTPUT
10	B	REAR DOOR UNLOCK OUTPUT
13	B	BAT (TRUSE)
14	W	GROUND

Terminal No.	Color of Wire	Signal Name [Specification]
15	BG	ACC IND
17	W	TURN SIGNAL RH (FRONT)
18	BG	TURN SIGNAL LH (FRONT)
19	V	INT ROOM LAMP CONT

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



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

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



Terminal No.	Color of Wire	Signal Name [Specification]
34	SB	TRUNK ROOM ANT-
35	V	TRUNK ROOM ANT+
38	B	REAR BUMPER ANT-
39	W	REAR BUMPER ANT+
41	Y	IGN RELAY (IDLE P) CONT
50	BG	TRUNK ROOM LAMP SW
56	R	STARTER RELAY CONT
60	BR	BUSH SW
61	SB	TRUNK LID OPEN REQUEST SW
64	G	1-KEY MAIN BUZZER (ENG ROOM)
67	GR	TRUNK LID OPERATOR SW
68	BG	REAR RH DOOR SW

Terminal No.	Color of Wire	Signal Name [Specification]
69	L	REAR LH DOOR SW

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



Terminal No.	Color of Wire	Signal Name [Specification]
72	R	ROOM ANT -
73	G	ROOM ANT +
74	SB	PASSENGER DOOR ANT-
75	BR	PASSENGER DOOR ANT+
76	V	TRUNK LID OPEN OUTPUT
77	LG	DRIVER DOOR ANT-
78	Y	ROOM ANT -
79	BR	ROOM ANT +
80	GR	NATS ANT AMP
81	W	NATS ANT AMP
82	SB	IGN RELAY (F/B) CONT
83	Y	KEYLESS ENTRY RECEIVER COMM
88	BG	COMBI SW INPUT 5
89	P	COMBI SW INPUT 3
90	P	CAN-L
91	L	CAN-H
92	LG	KEY SLOT ILL CONT
93	GR	ON LID
95	BG	ACC RELAY CONT
96	GR	A/T SHIFT SELECTOR POWER SUPPLY
99	BR	ASC/D CLUTCH SW (Veh. M/T)
99	R	SHIFT P (Veh. A/T)
100	R	PASSENGER DOOR REQUEST SW
101	P	DRIVER DOOR REQUEST SW
102	BG	BLOWER FAN MOTOR RELAY CONT
103	P	KEYLESS ENTRY RECEIVER POWER SUPPLY
107	LG	COMBI SW INPUT 1
108	R	COMBI SW INPUT 4
109	W	COMBI SW INPUT 2
110	G	HAZARD SW



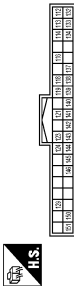
# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

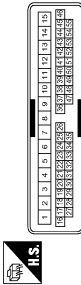
[POWER SUPPLY & GROUND CIRCUIT]

## MAIN HARNESS

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



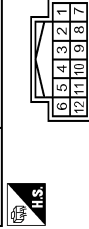
Connector No.	M124
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-CS15



Connector No.	M131
Connector Name	INSIDE KEY ANTENNA (INSTRUMENT CENTER)
Connector Type	PRO2FGY



Connector No.	M138
Connector Name	WIRE TO WIRE
Connector Type	TH12FW-RH



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

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

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

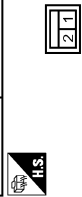
Connector No.	M132
Connector Name	CIGARETTE LIGHTER SOCKET
Connector Type	NS30FW-CS



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

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

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



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

JRMWC4338GB

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

PG

# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## MAIN HARNESS

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



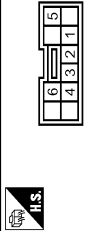
Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	V	-
3	L	-
4	B	-
5	G	-
7	Y	-
8	LG	-
9	B	-
10	GR	-
11	R	-

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



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

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



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

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



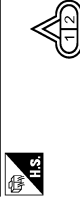
Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
2	SB	-
3	V	-
4	B	-
5	BG	-
6	B	-

Connector No.	M143
Connector Name	YAW RATE / SIDE G SENSOR
Connector Type	FAZ0FE-S



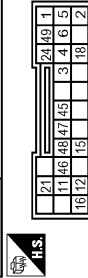
Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
2	Y	-
3	SB	-
4	G	-

Connector No.	M146
Connector Name	INSIDE KEY ANTENNA (CONSOLE)
Connector Type	RK02FGY



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

Connector No.	M147
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	TK28FY-EK-SG



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

Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	IGN
2	B	GROUND
3	Y	DR1 (+)
4	Y	DR1 (-) DR2 (-)
5	Y	AS1 (+)
6	Y	AS1 (-)
11	SB	EC2S (+)
12	V	EC2S (-)
15	LG	AIR BAG W/L
16	SHIELD	GROUND
18	R	CUTOFF TELLTALE
21	L	CAN-H
24	G	SEAT BELT
45	Y	DR2 (+)
46	P	CAN-L
47	Y	AS2 (+)
48	Y	AS2 (-)
49	L	ODS INPUT

Connector No.	M148
Connector Name	CONSOLE POWER SOCKET
Connector Type	PQ2FB-Z



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

# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## MAIN HARNESS

Connector No.	M148	Terminal No.	7	Color of Wire	SHIELD	Signal Name [Specification]	
Connector Name	WIRE TO WIRE	Terminal No.	8	Color of Wire	R		
Connector Type	TH12MW-NH	Terminal No.	9	Color of Wire	W		
		Terminal No.	10	Color of Wire	B		
Connector No.	M149	Terminal No.	1	Color of Wire	Y	Signal Name [Specification]	
Connector Name	AUXILIARY INPUT JACKS	Terminal No.	2	Color of Wire	Y		
Connector Type	AG8FW	Terminal No.	3	Color of Wire			
		Terminal No.	7	Color of Wire			
		Terminal No.	8	Color of Wire			
Connector No.	M152	Terminal No.	1	Color of Wire	R	Signal Name [Specification]	
Connector Name	POWER SOCKET	Terminal No.	2	Color of Wire	B		
Connector Type	PR02FB-Z	Terminal No.	3	Color of Wire			
		Terminal No.	4	Color of Wire			
		Terminal No.	5	Color of Wire			
		Terminal No.	6	Color of Wire			
Connector No.	M153	Terminal No.	1	Color of Wire	R	Signal Name [Specification]	
Connector Name	SONAR CANCEL SWITCH	Terminal No.	2	Color of Wire	B		
Connector Type	TX08FW	Terminal No.	3	Color of Wire			
		Terminal No.	4	Color of Wire			
		Terminal No.	5	Color of Wire			
		Terminal No.	6	Color of Wire			
Connector No.	M150	Terminal No.	1	Color of Wire	P	Signal Name [Specification]	
Connector Name	FRONT POWER SOCKET	Terminal No.	2	Color of Wire	B		
Connector Type	PR02FB-Z	Terminal No.	3	Color of Wire			
		Terminal No.	4	Color of Wire			
		Terminal No.	5	Color of Wire			
		Terminal No.	6	Color of Wire			
Connector No.	M151	Terminal No.	1	Color of Wire	Y	Signal Name [Specification]	
Connector Name	WIRE TO WIRE	Terminal No.	2	Color of Wire	Y		
Connector Type	M02MB-P-LC	Terminal No.	3	Color of Wire			
		Terminal No.	4	Color of Wire			
		Terminal No.	5	Color of Wire			
		Terminal No.	6	Color of Wire			
Connector No.	M160	Terminal No.	1	Color of Wire	L	Signal Name [Specification]	
Connector Name	FRONT PASSENGER AIR BAG MODULE-1	Terminal No.	2	Color of Wire	GR		
Connector Type	JCA02FB	Terminal No.	3	Color of Wire	W		
		Terminal No.	4	Color of Wire	R		
		Terminal No.	5	Color of Wire	W		
		Terminal No.	6	Color of Wire	W		
		Terminal No.	7	Color of Wire	B		
		Terminal No.	8	Color of Wire	R		
		Terminal No.	9	Color of Wire	W		
		Terminal No.	10	Color of Wire	GR		
		Terminal No.	11	Color of Wire	GR		
		Terminal No.	12	Color of Wire	SB		
Connector No.	M161	Terminal No.	1	Color of Wire	Y	Signal Name [Specification]	
Connector Name	FRONT PASSENGER AIR BAG MODULE-2	Terminal No.	2	Color of Wire	Y		
Connector Type	JCA02FB	Terminal No.	3	Color of Wire			
		Terminal No.	4	Color of Wire			

JRMWC4340GB

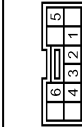
# CONNECTOR INFORMATION

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

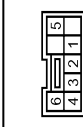
## MAIN HARNESS

Connector No.	M175
Connector Name	HEATED SEAT SWITCH (DRIVER SIDE)
Connector Type	TK0DFW



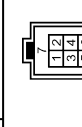
Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	GR	-
3	R	-
4	W	-
5	W	-
6	B	-

Connector No.	M176
Connector Name	HEATED SEAT SWITCH (PASSENGER SIDE)
Connector Type	TK0BFBR



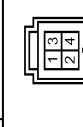
Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	-
2	SB	-
3	R	-
4	W	-
5	W	-
6	GR	-

Connector No.	M181
Connector Name	WIRE TO WIRE
Connector Type	CP06MGY-S



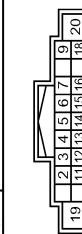
Terminal No.	Color of Wire	Signal Name [Specification]
2	W	-
3	L	-
4	G	-
5	R	-
7	SHIELD	-

Connector No.	M182
Connector Name	USB CONNECTOR
Connector Type	HAA04FG



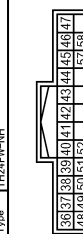
Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	L	-
3	G	-
4	R	-
5	SHIELD	-

Connector No.	M201
Connector Name	AV CONTROL UNIT
Connector Type	TH18FW-CS2



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

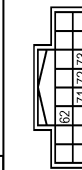
Connector No.	M202
Connector Name	AV CONTROL UNIT
Connector Type	TH24FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
26	BG	SIGNAL VCC
27	L	SIGNAL GND
38	R	HP
38	R	COM1 (USER->CONT)
40	B	RGB AREA (TS) SIGNAL
41	SHIELD	SHIELD

42	W	RGB SYNC
43	G	RGB (RED) SIGNAL
44	L	RGB (GREEN) SIGNAL
45	P	RGB (BLUE) SIGNAL
46	Y	COMPOSITE IMAGE GND
47	BR	COMPOSITE IMAGE SIGNAL
48	Y	INVERTER VCC
49	BR	INVERTER GND
50	G	VP
51	P	COMM (CONT->DISP)
52	SHIELD	SHIELD
57	SHIELD	SHIELD
58	SHIELD	SHIELD

Connector No.	M203
Connector Name	AV CONTROL UNIT
Connector Type	TH16FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
62	W	CAMERA IMAGE SIGNAL
71	SHIELD	SHIELD
72	B	CAMERA GND
73	R	CAMERA POWER SUPPLY

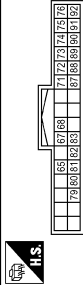
# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

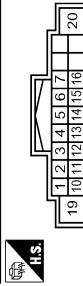
## MAIN HARNESS

Connector No.	M210
Connector Name	AV CONTROL UNIT
Connector Type	TH42FW-RH



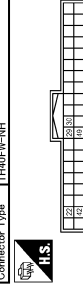
Terminal No.	Color of Wire	Signal Name [Specification]
65	SB	PARKING BRAKE
67	P	COMPOSITE IMAGE GND
68	L	COMPOSITE IMAGE SIGNAL
71	SHIELD	MICROPHONE GND
72	G	MICROPHONE VCC
73	P	COMM.(CONT->DISP)
74	P	CAN-L
75	LG	AV COMM (L)
76	LG	AV COMM (L)
79	L	ILLUMINATION
80	G	IGNITION
81	BG	REVERSE
82	R	VEHICLE SPEED (8-PULSE)
83	SHIELD	SHIELD
87	R	MICROPHONE SIGNAL
88	SHIELD	SHIELD
89	L	COMM (DISP->CONT)
90	L	CAN-H
91	SB	AV COMM (R)
92	SB	AV COMM (R)

Connector No.	M208
Connector Name	AV CONTROL UNIT
Connector Type	TH18FW-CSZ



Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	AMP_ON SIGNAL
2	G	SOUND SIGNAL FRONT LH (+)
3	W	SOUND SIGNAL FRONT LH (-)
4	V	SOUND SIGNAL REAR LH (+)
5	LG	SOUND SIGNAL REAR LH (-)
6	P	STRG SW A
7	V	ACC
10	B	SHIELD
11	R	SOUND SIGNAL FRONT RH (+)
12	G	SOUND SIGNAL FRONT RH (-)
13	BR	SOUND SIGNAL REAR RH (+)
14	Y	SOUND SIGNAL REAR RH (-)
15	B	STRG SW GND
16	L	STRG SW B
19	Y	BATTERY
20	B	GROUND

Connector No.	M209
Connector Name	AV CONTROL UNIT
Connector Type	TH40FW-RH



Terminal No.	Color of Wire	Signal Name [Specification]
22	R	CAMERA POWER SUPPLY
28	G	DISK EJECT SIGNAL
30	SB	MODE CHANGE SIGNAL
42	B	CAMERA GND
49	BR	SW GND

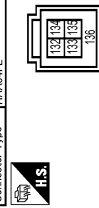
Terminal No.	115	G	SOUND SIGNAL FRONT RH (-)
Terminal No.	118	LG	SOUND SIGNAL REAR LH (-)
Terminal No.	119	W	SOUND SIGNAL FRONT LH (-)

Connector No.	M206
Connector Name	AV CONTROL UNIT
Connector Type	A12FW



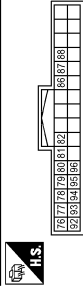
Terminal No.	Color of Wire	Signal Name [Specification]
120	B	SATELLITE SOUND SIGNAL LH (+)
121	G	SATELLITE SOUND SIGNAL RH (+)
122	L	COMM.(CONT->SAT)
124	W	SATELLITE SOUND SIGNAL LH (-)
125	R	SATELLITE SOUND SIGNAL RH (-)
126	SHIELD	SHIELD
127	SHIELD	SHIELD
128	SB	MODE CHANGE SIGNAL
129	P	REQUEST (SAT->CONT)
130	G	COMM.(SAT->CONT)

Connector No.	M207
Connector Name	AV CONTROL UNIT
Connector Type	HA404FL



Terminal No.	Color of Wire	Signal Name [Specification]
132	G	USE GND
133	R	USE D- SIGNAL
134	W	V BUS SIGNAL
135	L	USE D+ SIGNAL
136	SHIELD	SHIELD

Connector No.	M204
Connector Name	AV CONTROL UNIT
Connector Type	TH42FW-RH



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

Connector No.	M205
Connector Name	AV CONTROL UNIT
Connector Type	TH12FW-RH



Terminal No.	Color of Wire	Signal Name [Specification]
108	BR	SOUND SIGNAL REAR RH (+)
109	R	SOUND SIGNAL FRONT RH (+)
110	GR	AMP_ON SIGNAL
111	B	SHIELD
112	V	SOUND SIGNAL REAR LH (+)
113	O	SOUND SIGNAL FRONT LH (+)
114	Y	SOUND SIGNAL REAR RH (-)

JRMWC4342GB

# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

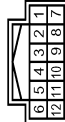
## MAIN HARNESS

Connector No.	M212
Connector Name	AV CONTROL UNIT
Connector Type	HAAMFL



Terminal No.	Color of Wire	Signal Name [Specification]
129	G	USB GND
130	R	USB D- SIGNAL
131	W	V BUS SIGNAL
132	L	USB D+ SIGNAL
133	SHIELD	SHIELD

Connector No.	M21
Connector Name	SHIFT POSITION SWITCH
Connector Type	TH1ZFW



Terminal No.	Color of Wire	Signal Name [Specification]
2	L	N
3	BR	D
4	G	R
5	P	P
6	V	M
7	O	AT
8	Y	MT
10	B	ILL
11	B	GROUND

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



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

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



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

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



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

2	B	-
3	L	-

Connector No.	M253
Connector Name	MODE DOOR MOTOR
Connector Type	A03FW



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

Connector No.	M254
Connector Name	INTAKE DOOR MOTOR
Connector Type	A03FW



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

Connector No.	M255
Connector Name	AIR MIX DOOR MOTOR RH
Connector Type	A03FW



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

Connector No.	M301
Connector Name	DRIVER AIR BAG MODULE
Connector Type	A0A02FOR



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

JRMWC4343GB

# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## MAIN HARNESS

Connector No.	M302
Connector Name	DRIVER AIR BAG MODULE
Connector Type	ACAD02F-2V



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

Connector No.	M303
Connector Name	COMBINATION SWITCH (SERIAL CABLE)
Connector Type	TQ08FGY



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

Connector No.	M370
Connector Name	AV CONTROL UNIT
Connector Type	GT13SH-2/1S-HU



Terminal No.	Color of Wire	Signal Name [Specification]
137	-	FM SUB
138	-	AM-FM MAIN
139	-	ANTENNA-AMP. ON SIGNAL

Connector No.	M371
Connector Name	AV CONTROL UNIT
Connector Type	GT13SH-2/1S-HU



Terminal No.	Color of Wire	Signal Name [Specification]
150	-	FM SUB
151	-	AM-FM MAIN
152	-	ANTENNA-AMP. ON SIGNAL

Connector No.	M372
Connector Name	AV CONTROL UNIT
Connector Type	FAKSA JACK



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

159	SHIELD	SATELLITE ANTENNA
160	SHIELD	SHIELD

Connector No.	M373
Connector Name	AV CONTROL UNIT
Connector Type	GT5-1S-HU



Terminal No.	Color of Wire	Signal Name [Specification]
153	-	GPS ANTENNA
154	SHIELD	SHIELD

Connector No.	M374
Connector Name	WIRE TO WIRE
Connector Type	GT16C-1PP-HU



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

Connector No.	M375
Connector Name	WIRE TO WIRE
Connector Type	GT13SC-2/1S-HU



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

Connector No.	M376
Connector Name	WIRE TO WIRE
Connector Type	GT13SCH-2/1PP-HU



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

Connector No.	M377
Connector Name	WIRE TO WIRE
Connector Type	GT16C-1S-HU



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

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



















PG

JRMWC4344GB

# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

MAIN HARNESS		
Connector No.	M678	
Connector Name	ANTENNA AMP.	
Connector Type	GT13SC-1/IS-HU	
Terminal No.	Color of Wire	Signal Name [Specification]
1	-	ANTENNA AMP. ON SIGNAL
2	-	AM-FM MAIN
		
		
Connector No.	M681	
Connector Name	GLASS ANTENNA (MAIN)	
Connector Type	P01FB-A	
Terminal No.	Color of Wire	Signal Name [Specification]
1	-	-
		
		
Connector No.	M679	
Connector Name	GLASS ANTENNA (SUB)	
Connector Type	P01FB-A	
Terminal No.	Color of Wire	Signal Name [Specification]
1	-	-
		
		
Connector No.	M680	
Connector Name	WIRE TO WIRE	
Connector Type	GT16-IPP-HU	
Terminal No.	Color of Wire	Signal Name [Specification]
1	-	-
		
		
Terminal No.	Color of Wire	Signal Name [Specification]
1	-	-
2	SHIELD	-
		
		
Connector No.	M683	
Connector Name	SATELLITE RADIO ANTENNA	
Connector Type	GT16C-IPP-HU	
Terminal No.	Color of Wire	Signal Name [Specification]
1	-	-
2	SHIELD	-
		
		
Connector No.	M685	
Connector Name	AV CONTROL UNIT	
Connector Type	GT17HN-4DS-HU	
Terminal No.	Color of Wire	Signal Name [Specification]
157	-	RGB DIGITAL IMAGE SIGNAL (-)
158	-	RGB DIGITAL IMAGE SIGNAL (+)
		
		
Connector No.	M686	
Connector Name	DISPLAY UNIT	
Connector Type	GT17HNZ-4DS-HU	
Terminal No.	Color of Wire	Signal Name [Specification]
27	-	RGB DIGITAL IMAGE SIGNAL (-)
28	-	RGB DIGITAL IMAGE SIGNAL (+)
		
		
Terminal No.	Color of Wire	Signal Name [Specification]
1	-	-
2	SHIELD	-
		
		

JRMWC4345GB



# CONNECTOR INFORMATION

## [POWER SUPPLY & GROUND CIRCUIT]

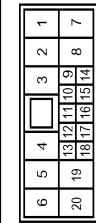
< DTC/CIRCUIT DIAGNOSIS >

### R Room Lamp Harness

INFOID:000000007770844

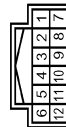
#### ROOM LAMP HARNESS

Connector No.	R1
Connector Name	WIRE TO WIRE
Connector Type	NH10PW-CS10



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

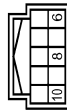
Connector No.	R2
Connector Name	WIRE TO WIRE
Connector Type	TH12FW-NH



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

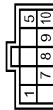
5	G	-
6	B	-
7	P	-
8	GR	-
9	V	-
11	Y	-
12	R	-

Connector No.	R3
Connector Name	AUTO ANTI-DAZZLING INSIDE MIRROR
Connector Type	TH10FB-NH



Terminal No.	Color of Wire	Signal Name [Specification]
6	BR	IGN
8	B	GROUND
10	GR	BAT

Connector No.	R4
Connector Name	SUNROOF MOTOR ASSEMBLY
Connector Type	YEA10FGY



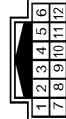
Terminal No.	Color of Wire	Signal Name [Specification]
1	GR	SW-BT 1
5	P	SW-BT 0
7	BR	-
8	L	SPEED SENSOR (2P)
9	Y	TRIPER (GDM)
10	G	GROUND

Connector No.	R9
Connector Name	LIGHT & RAIN SENSOR
Connector Type	AAB08FB



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

Connector No.	R11
Connector Name	WIRE TO WIRE
Connector Type	TH12MW-NH



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

Connector No.	R12
Connector Name	VANITY MIRROR LAMP LH
Connector Type	MCA02FW



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

Connector No.	R13
Connector Name	VANITY MIRROR LAMP RH
Connector Type	MCA02FW



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

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

PG

JRMWC4346GB

# CONNECTOR INFORMATION

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## ROOM LAMP HARNESS

Connector No.	RT14
Connector Name	PERSONAL LAMP
Connector Type	TR04FW-NH



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

Connector No.	RT15
Connector Name	MAP LAMP
Connector Type	TR08FCY



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

Connector No.	RT16
Connector Name	SUNROOF SWITCH
Connector Type	TR03FEW



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

Connector No.	RT17
Connector Name	MICROPHONE
Connector Type	TR04FEW



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

JRMWC4347GB

# HARNESS CONNECTOR

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## HARNESS CONNECTOR

### Description

INFOID:000000007467074

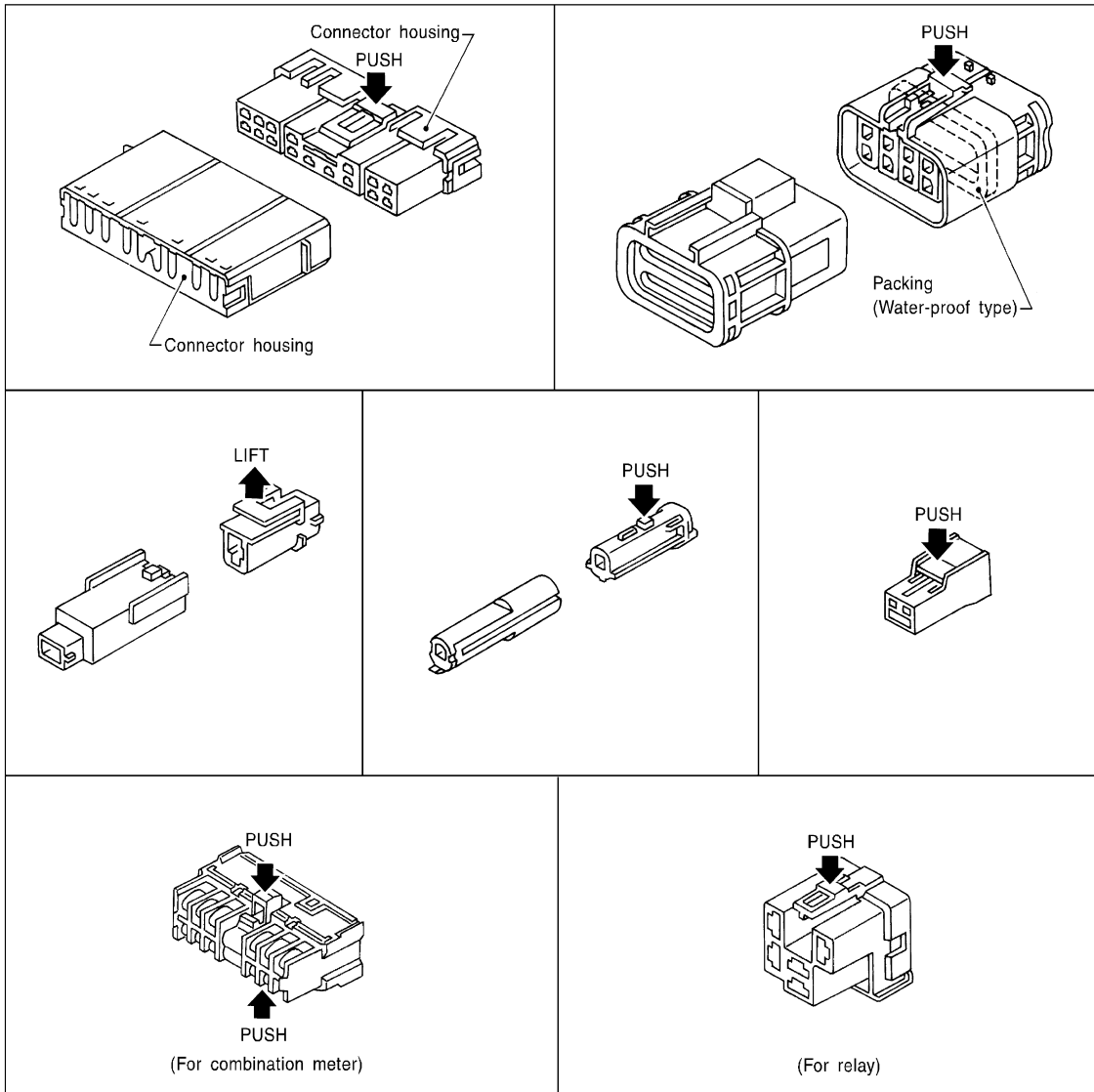
#### HARNESS CONNECTOR (TAB-LOCKING TYPE)

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

#### **CAUTION:**

**Never pull the harness or wires when disconnecting the connector.**

[Example]



SEL769DA

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

- A new style slide-locking type connector is used on certain systems and components, especially those related to OBD.
- The slide-locking type connectors help prevent incomplete locking and accidental looseness or disconnection.
- The slide-locking type connectors are disconnected by pushing or pulling the slider. Refer to the figure below.

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

# HARNESS CONNECTOR

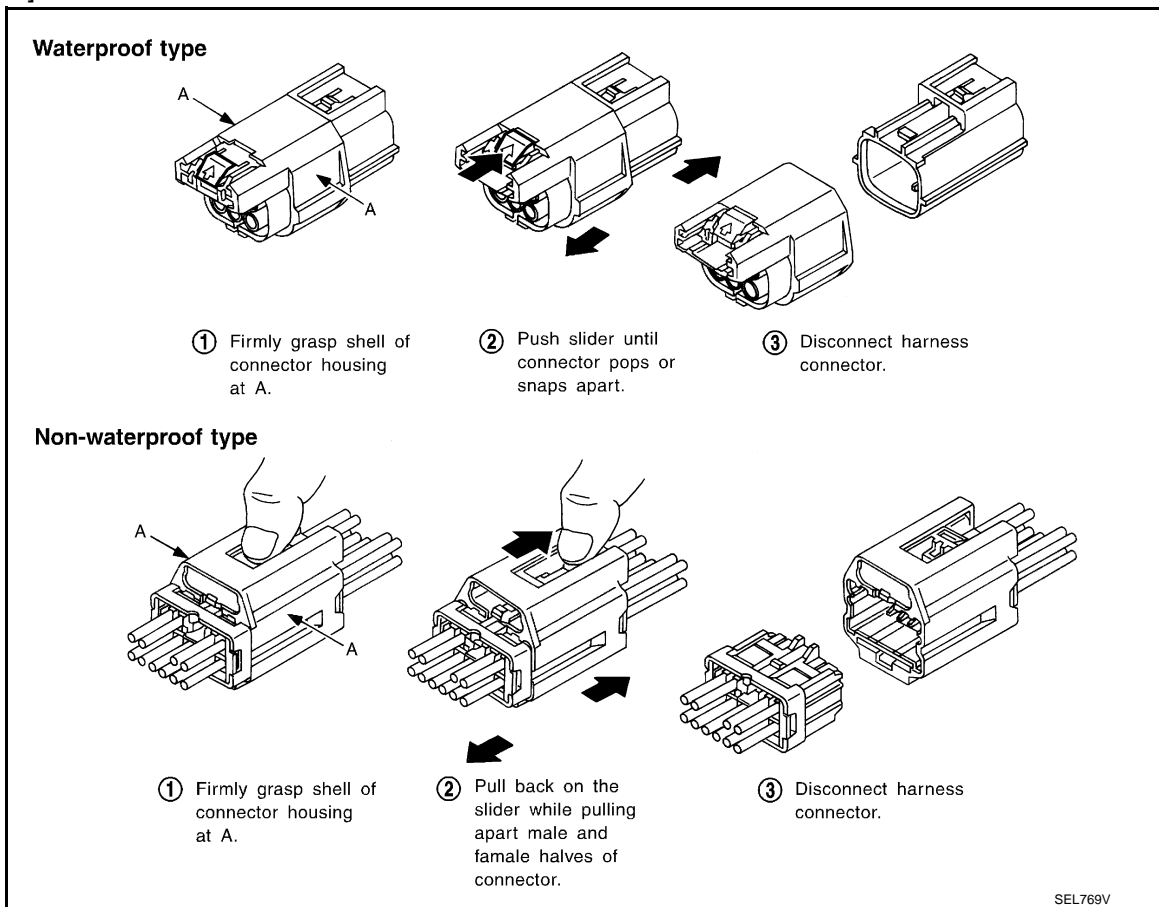
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## CAUTION:

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

[Example]



## HARNESS CONNECTOR (LEVER LOCKING TYPE)

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

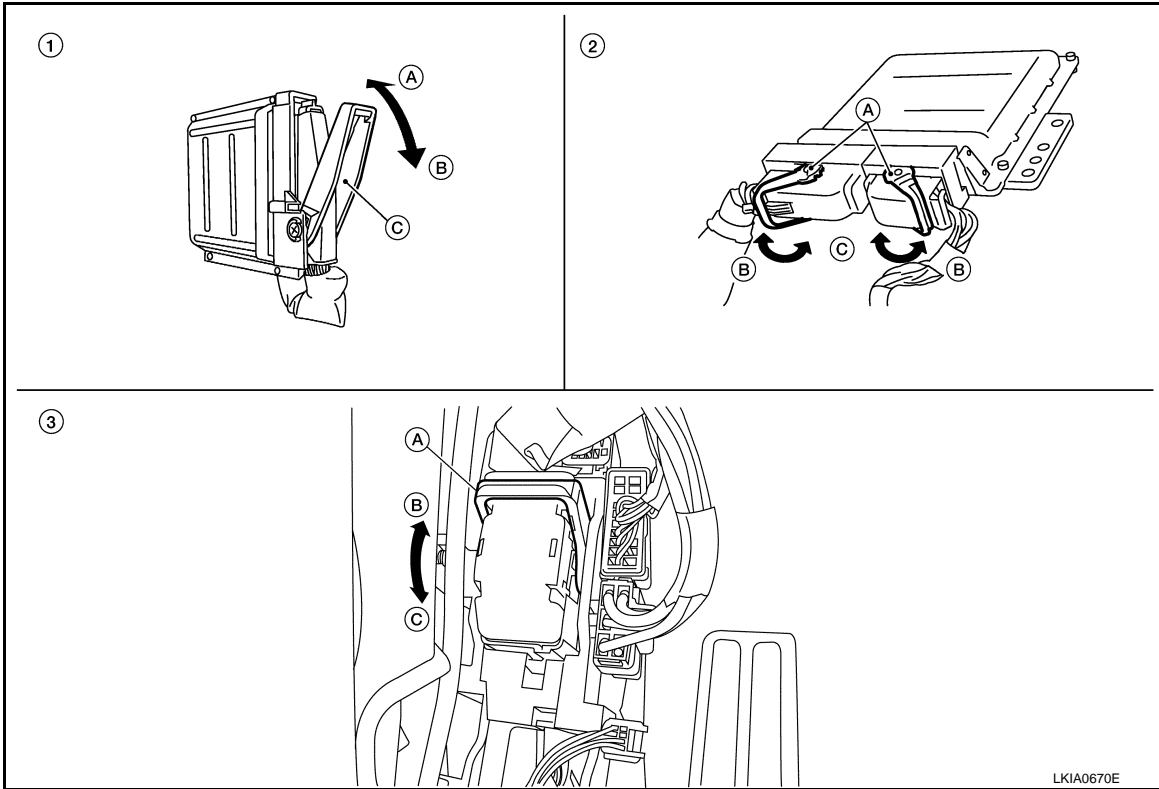
## CAUTION:

# HARNESS CONNECTOR

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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



1. Control unit with single lever  
A. Fasten  
B. Loosen  
C. Lever

2. Control unit with dual levers  
A. Levers  
B. Fasten  
C. Loosen

3. SMJ connector  
A. Lever  
B. Fasten  
C. Loosen

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

PG

# STANDARDIZED RELAY

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

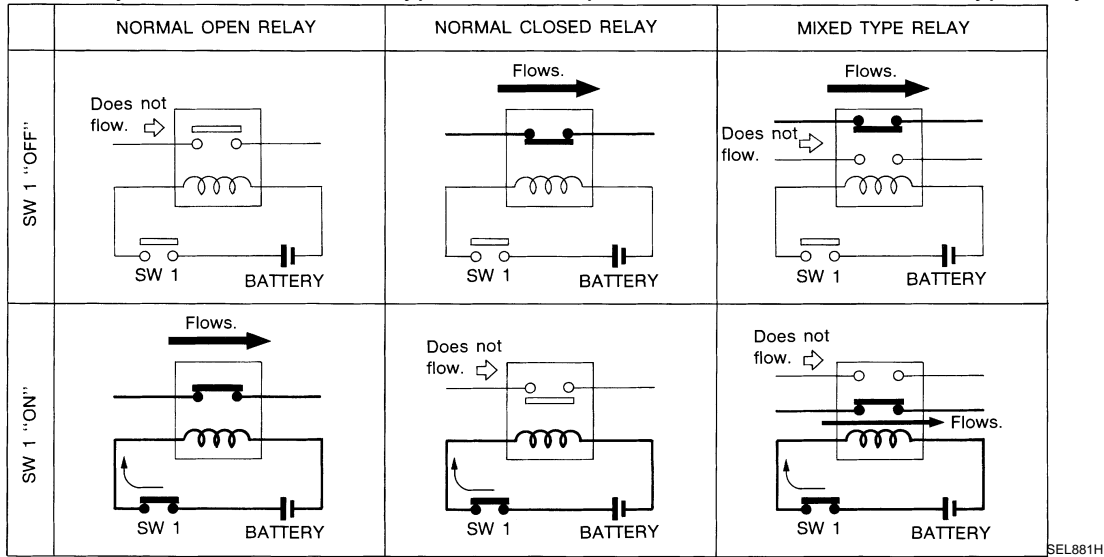
## STANDARDIZED RELAY

### Description

INFOID:000000007467075

### NORMAL OPEN, NORMAL CLOSED AND MIXED TYPE RELAYS

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



SEL881H

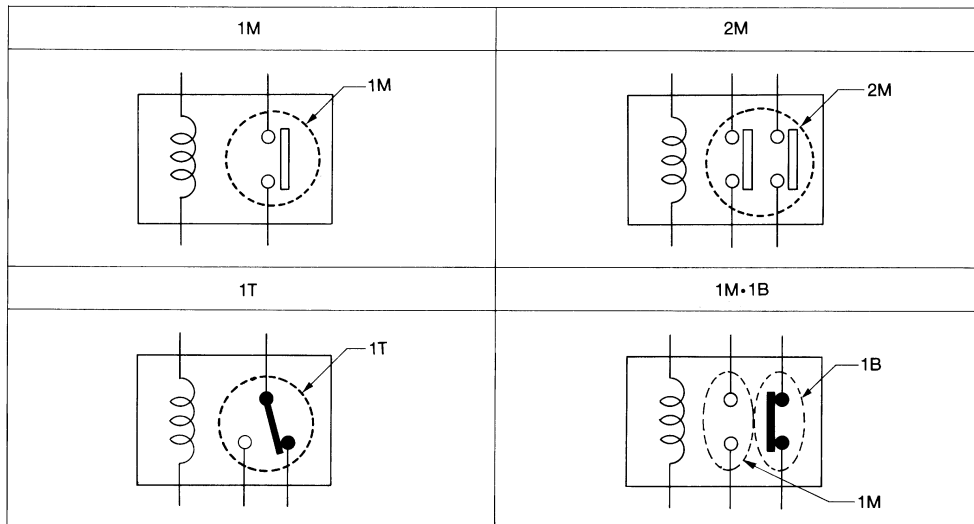
### TYPE OF STANDARDIZED RELAYS

1M ..... 1 Make

2M ..... 2 Make

1T ..... 1 Transfer

1M·1B ..... 1 Make 1 Break

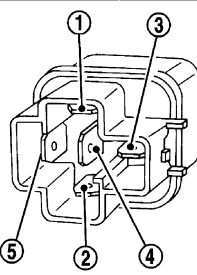
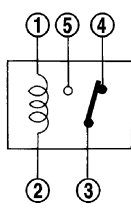
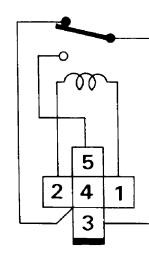
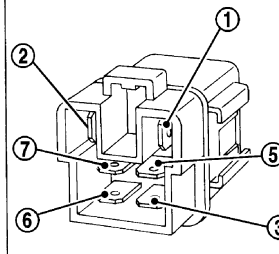
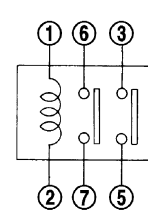
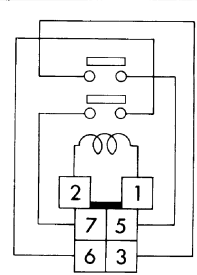
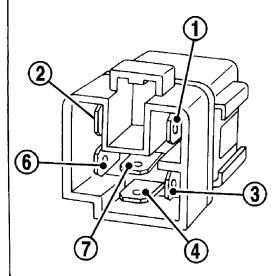
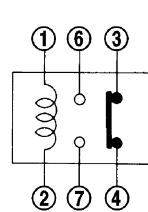
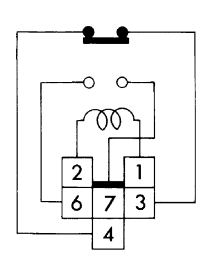
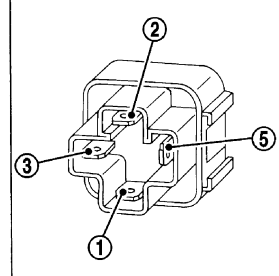
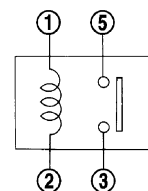
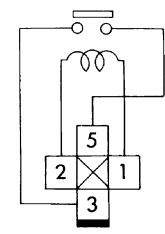
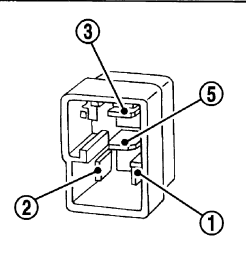
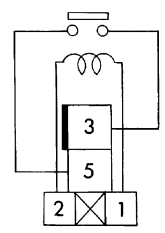


SEL882H

# STANDARDIZED RELAY

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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

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

SEL188W

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

# FUSE BLOCK - JUNCTION BOX (J/B)

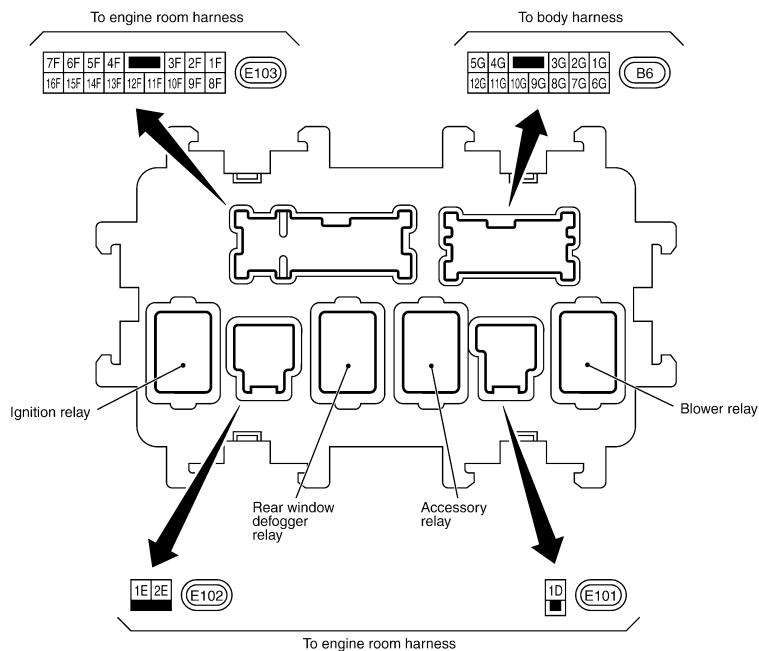
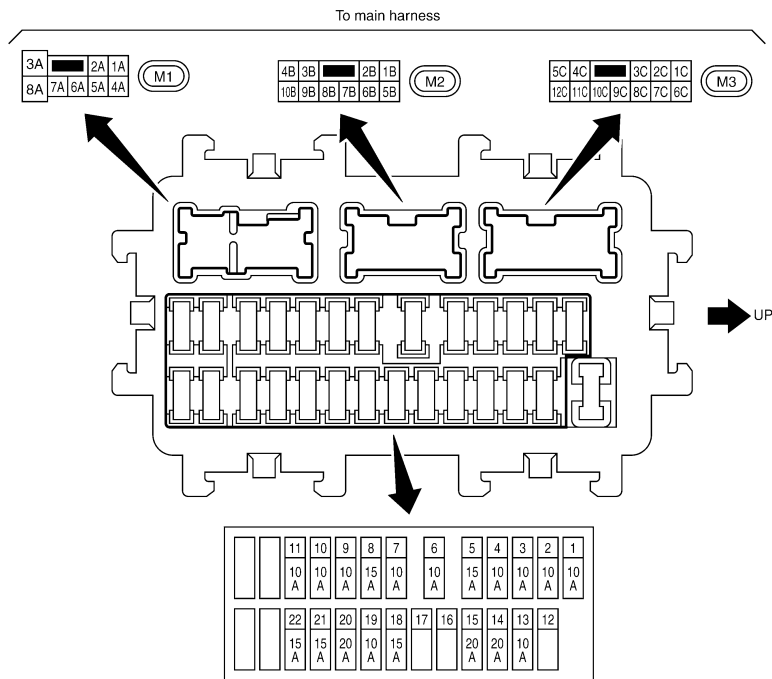
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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

### Fuse, Connector and Terminal Arrangement

INFOID:000000007467076



2009/10/30

JCMWM5889GB



# FUSE, FUSIBLE LINK AND RELAY BOX

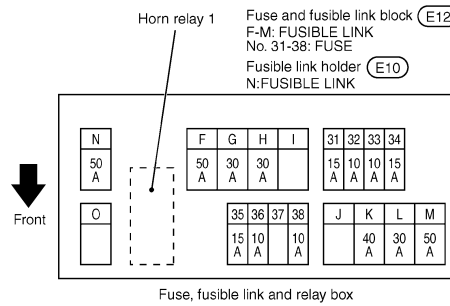
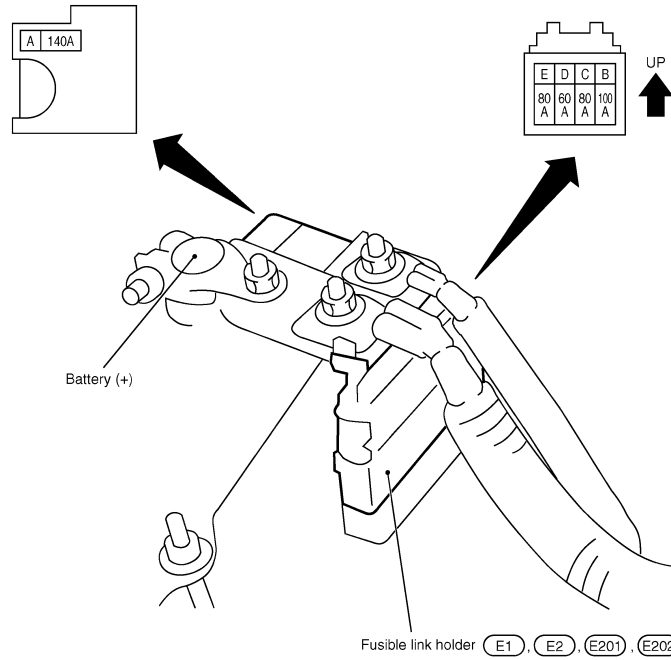
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## FUSE, FUSIBLE LINK AND RELAY BOX

### Fuse and Fusible Link Arrangement

INFOID:000000007467077



2010/08/18

JCMWM9862GB

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

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

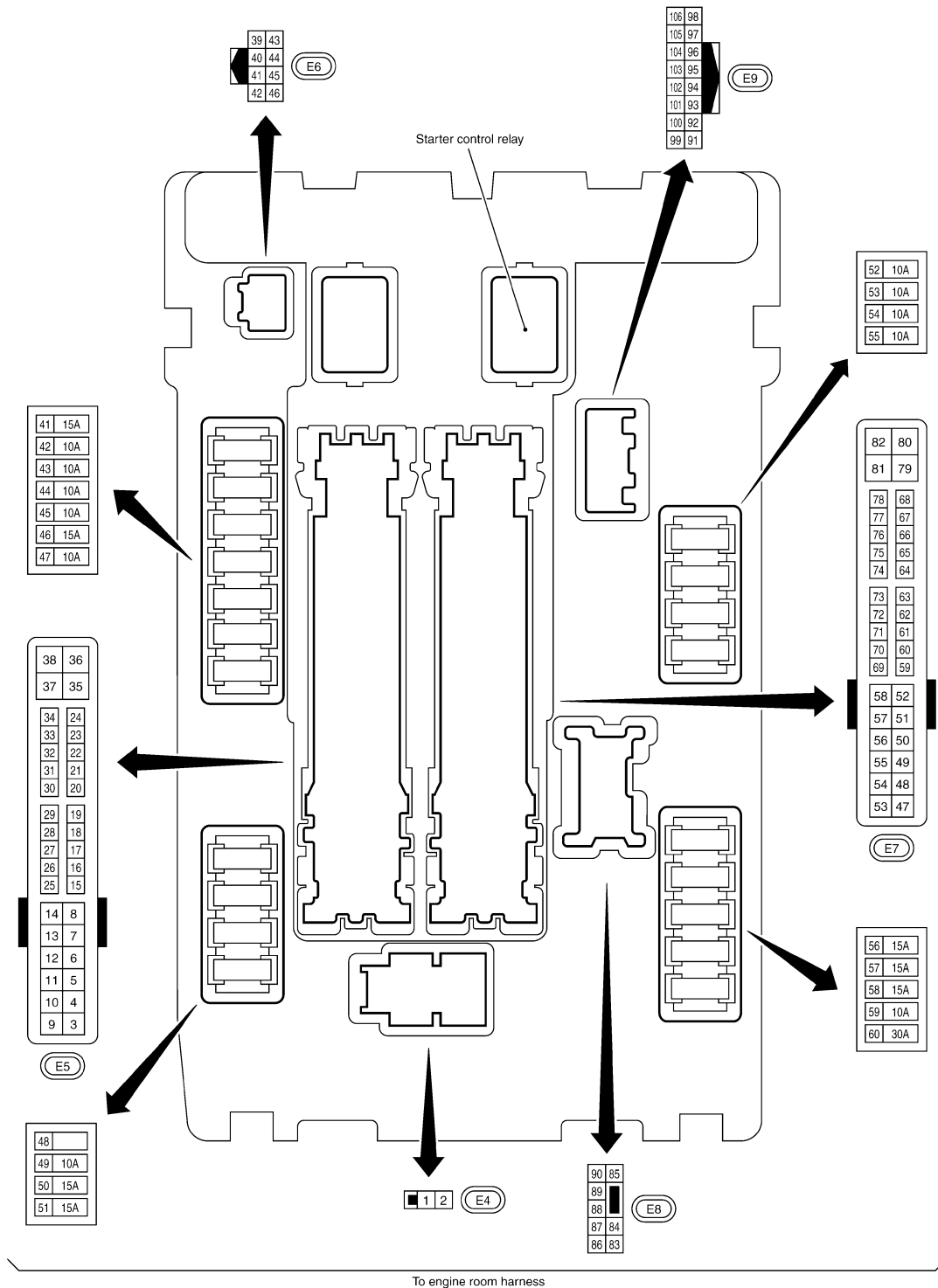
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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

### Fuse, Connector and Terminal Arrangement

INFOID:000000007467078



2011/07/07

JRMWC4290GB

< PRECAUTION >

PRECAUTION

PRECAUTIONS

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

INFOID:000000007467079

The Supplemental Restraint System such as "AIR BAG" and "SEAT BELT PRE-TENSIONER", used along with a front seat belt, helps to reduce the risk or severity of injury to the driver and front passenger for certain types of collision. This system includes seat belt switch inputs and dual stage front air bag modules. The SRS system uses the seat belt switches to determine the front air bag deployment, and may only deploy one front air bag, depending on the severity of a collision and whether the front occupants are belted or unbelted. Information necessary to service the system safely is included in the "SRS AIR BAG" and "SEAT BELT" of this Service Manual.

**WARNING:**

Always observe the following items for preventing accidental activation.

- To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision that would result in air bag inflation, all maintenance must be performed by an authorized NISSAN/INFINITI dealer.
- Improper maintenance, including incorrect removal and installation of the SRS, can lead to personal injury caused by unintentional activation of the system. For removal of Spiral Cable and Air Bag Module, see "SRS AIR BAG".
- Never use electrical test equipment on any circuit related to the SRS unless instructed to in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harnesses or harness connectors.

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

**WARNING:**

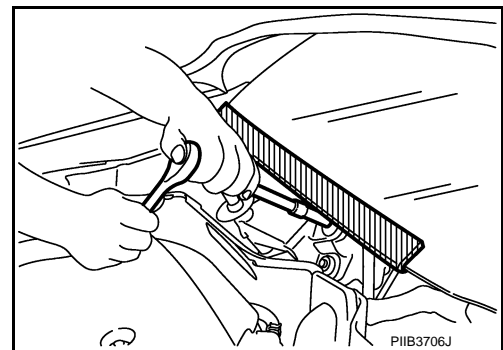
Always observe the following items for preventing accidental activation.

- When working near the Air Bag Diagnosis Sensor Unit or other Air Bag System sensors with the ignition ON or engine running, never use air or electric power tools or strike near the sensor(s) with a hammer. Heavy vibration could activate the sensor(s) and deploy the air bag(s), possibly causing serious injury.
- When using air or electric power tools or hammers, always switch the ignition OFF, disconnect the battery, and wait at least 3 minutes before performing any service.

Precaution for Procedure without Cowl Top Cover

INFOID:000000007467080

When performing the procedure after removing cowl top cover, cover the lower end of windshield with urethane, etc to prevent damage to windshield.



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

# PREPARATION

[POWER SUPPLY & GROUND CIRCUIT]

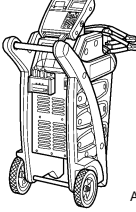
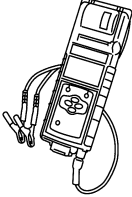
< PREPARATION >

## PREPARATION

### PREPARATION

#### Special Service Tools

INFOID:000000007732911

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

# BATTERY

< REMOVAL AND INSTALLATION >

[POWER SUPPLY & GROUND CIRCUIT]

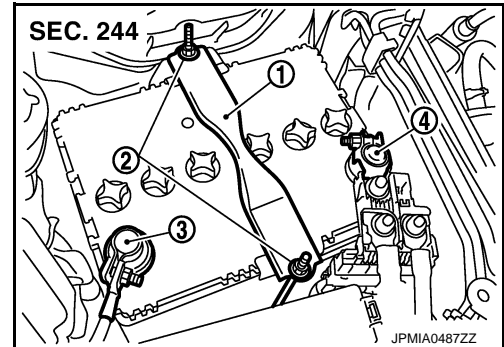
## REMOVAL AND INSTALLATION

### BATTERY

#### Exploded View

INFOID:000000007467082

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

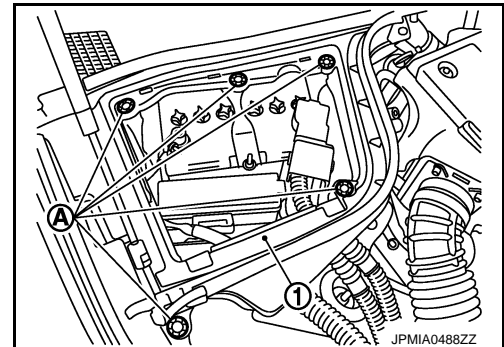


#### Removal and Installation

INFOID:000000007467083

##### REMOVAL

1. Remove battery cover.
2. Remove the clips (A), and remove hoodledge cover (RH) (1).

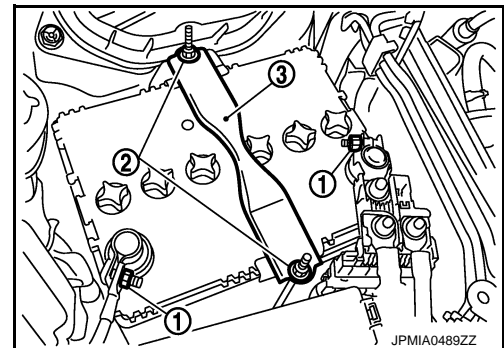


3. Remove cowl top cover (RH). Refer to [EXT-24. "Exploded View"](#).
4. Remove cover of battery positive terminal.
5. Loosen battery terminal nuts (1), and disconnect both battery cables from battery terminals.

**CAUTION:**

**When disconnecting, disconnect the battery cable from the negative terminal first.**

6. Remove battery fix frame mounting nuts (2) and battery fix frame (3).
7. Remove battery.



##### INSTALLATION

Install in the reverse order of removal.

**CAUTION:**

**When connecting, connect the battery cable to the positive terminal first.**

**Battery fix frame mounting nut**

: 3.9 N·m (0.40 kg·m, 35 in·lb)

**Battery terminal nut**

: 5.4 N·m (0.55 kg·m, 48 in·lb)

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

## BATTERY

< REMOVAL AND INSTALLATION >

[POWER SUPPLY & GROUND CIRCUIT]

Reset electronic systems as necessary. Refer to [GI-54. "ADDITIONAL SERVICE WHEN REMOVING BATTERY NEGATIVE TERMINAL : Required Procedure After Battery Disconnection"](#).

# BATTERY TERMINAL WITH FUSIBLE LINK

< REMOVAL AND INSTALLATION >

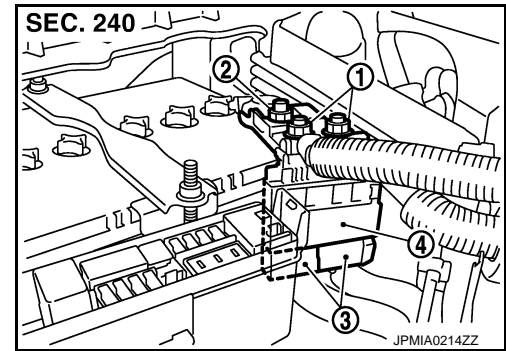
[POWER SUPPLY & GROUND CIRCUIT]

## BATTERY TERMINAL WITH FUSIBLE LINK

### Exploded View

INFOID:000000007467084

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

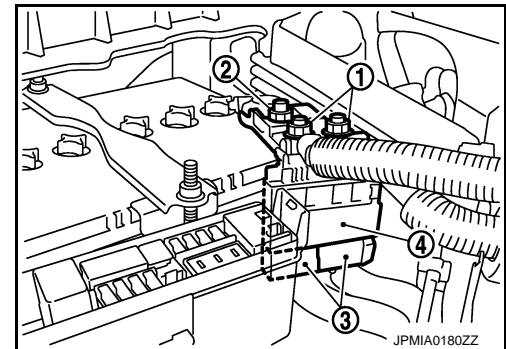


### Removal and Installation

INFOID:000000007467085

#### REMOVAL

1. Remove battery cover.
2. Disconnect the battery cable from the negative terminal.
3. Remove cover of battery positive terminal.
4. Remove harness mounting nuts (1) to disconnect harness connectors (3).
5. Remove fusible link holder mounting nut (2) to remove battery terminal with fusible link (4).



#### INSTALLATION

Install in the reverse order of removal.

#### Harness mounting nut

: 13.2 N·m (1.3 kg-m, 10 ft-lb)

#### Fusible link holder mounting nut

: 13.2 N·m (1.3 kg-m, 10 ft-lb)

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

## SERVICE DATA AND SPECIFICATIONS (SDS)

< SERVICE DATA AND SPECIFICATIONS (SDS)

[POWER SUPPLY & GROUND CIRCUIT]

## SERVICE DATA AND SPECIFICATIONS (SDS)

### SERVICE DATA AND SPECIFICATIONS (SDS)

#### Battery

INFOID:000000007467086

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