

# PG

## SECTION

## POWER SUPPLY, GROUND & CIRCUIT ELEMENTS

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# PRECAUTIONS

< PRECAUTION >

## PRECAUTION

### PRECAUTIONS

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

INFOID:000000008273549

The Supplemental Restraint System such as "AIR BAG" and "SEAT BELT PRE-TENSIONER", used along with a front seat belt, helps to reduce the risk or severity of injury to the driver and front passenger for certain types of collision. This system includes seat belt switch inputs and dual stage front air bag modules. The SRS system uses the seat belt switches to determine the front air bag deployment, and may only deploy one front air bag, depending on the severity of a collision and whether the front occupants are belted or unbelted. Information necessary to service the system safely is included in the SR and SB section of this Service Manual.

#### **WARNING:**

- To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision which would result in air bag inflation, all maintenance must be performed by an authorized NISSAN/INFINITI dealer.
- Improper maintenance, including incorrect removal and installation of the SRS, can lead to personal injury caused by unintentional activation of the system. For removal of Spiral Cable and Air Bag Module, see the SR section.
- Do not use electrical test equipment on any circuit related to the SRS unless instructed to in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harnesses or harness connectors.

#### PRECAUTIONS WHEN USING POWER TOOLS (AIR OR ELECTRIC) AND HAMMERS

#### **WARNING:**

- When working near the Airbag Diagnosis Sensor Unit or other Airbag System sensors with the Ignition ON or engine running, DO NOT use air or electric power tools or strike near the sensor(s) with a hammer. Heavy vibration could activate the sensor(s) and deploy the air bag(s), possibly causing serious injury.
- When using air or electric power tools or hammers, always switch the Ignition OFF, disconnect the battery and wait at least three minutes before performing any service.

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# PREPARATION

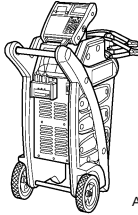
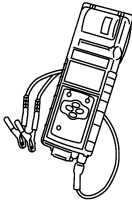
< PREPARATION >

## PREPARATION

### PREPARATION

#### Special Service Tools

INFOID:000000008273550

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

## COMPONENT PARTS

< SYSTEM DESCRIPTION >

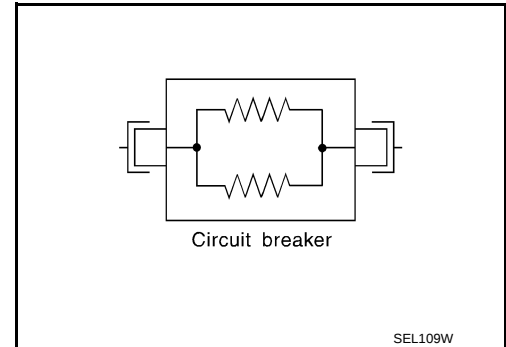
### SYSTEM DESCRIPTION

#### COMPONENT PARTS

##### Circuit Breaker

INFOID:0000000008273551

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



##### Battery

INFOID:0000000008273552

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

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

##### Harness Connector

INFOID:0000000008273553

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

- The tab-locking type connectors help prevent accidental looseness or disconnection.
- The tab-locking type connectors are disconnected by pushing or lifting the locking tab(s). Refer to the figure below.

##### **CAUTION:**

**Never pull the harness or wires when disconnecting the connector.**

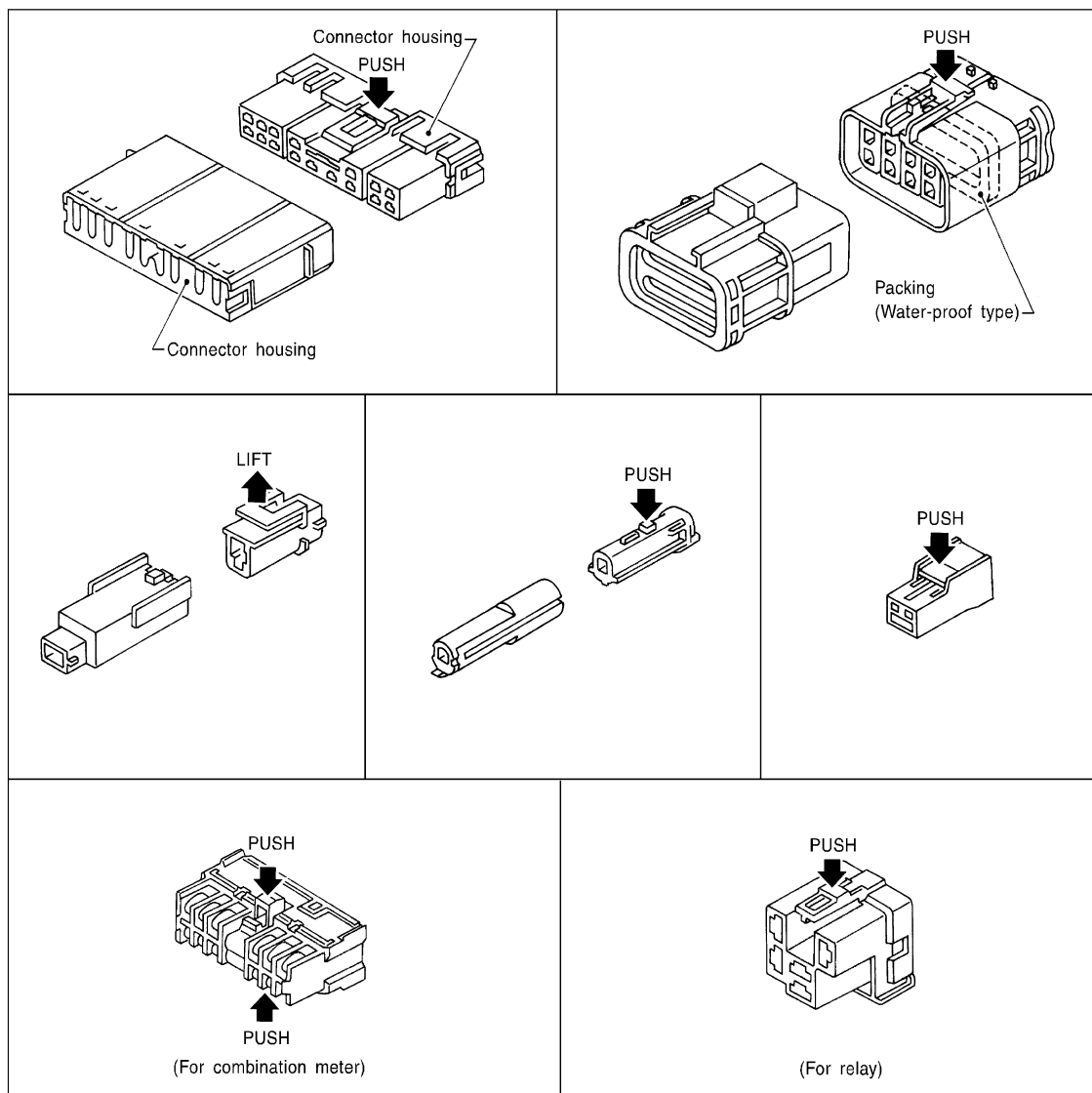
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## COMPONENT PARTS

### < SYSTEM DESCRIPTION >

[Example]



SEL769DA

### HARNESS CONNECTOR (SLIDE-LOCKING TYPE)

- A new style slide-locking type connector is used on certain systems and components, especially those related to OBD.
- The slide-locking type connectors help prevent incomplete locking and accidental looseness or disconnection.
- The slide-locking type connectors are disconnected by pushing or pulling the slider. Refer to the figure below.

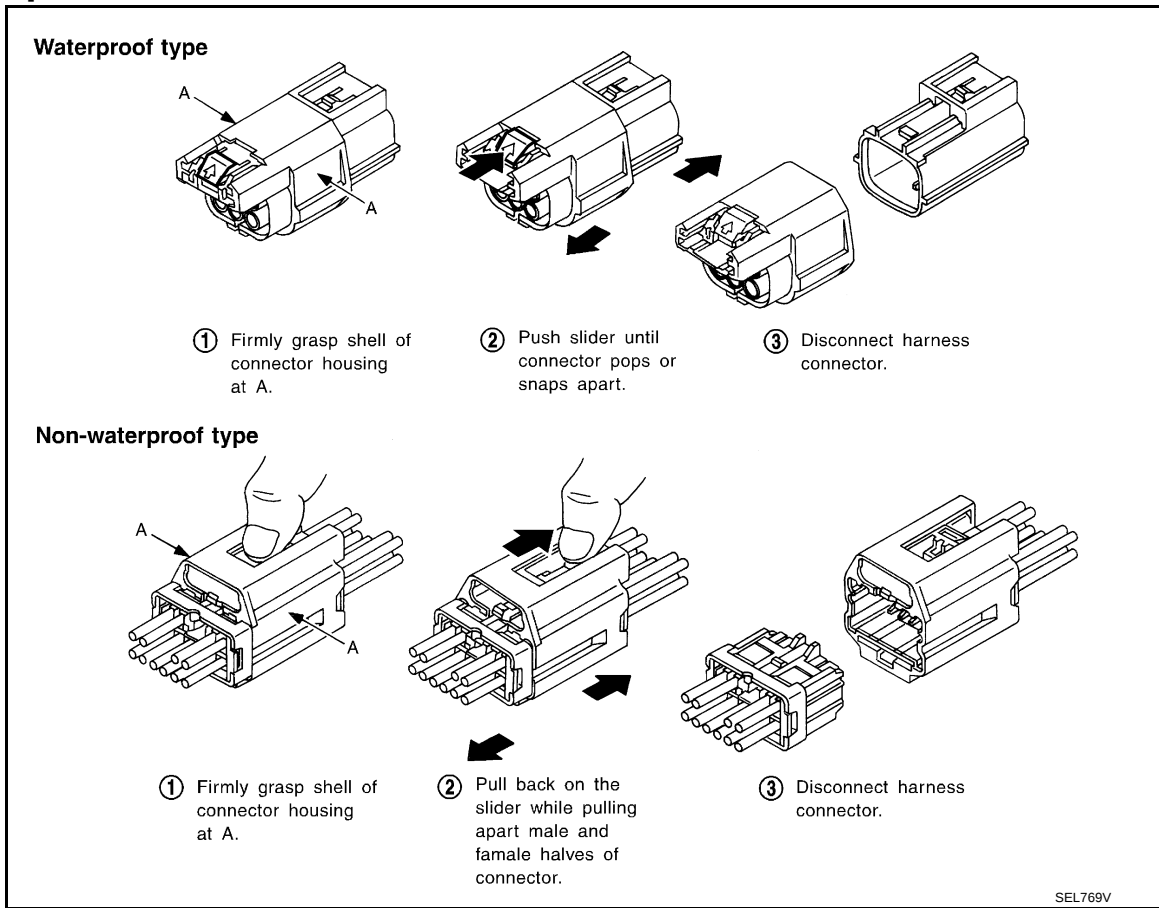
#### **CAUTION:**

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

## COMPONENT PARTS

### < SYSTEM DESCRIPTION >

[Example]



### HARNESS CONNECTOR (LEVER LOCKING TYPE)

- Lever locking type harness connectors are used on certain control units and control modules such as ECM, ABS actuator and electric unit (control unit), etc.
- Lever locking type harness connectors are also used on super multiple junction (SMJ) connectors.
- Always confirm the lever is fully locked in place by moving the lever as far as it will go to ensure full connection.

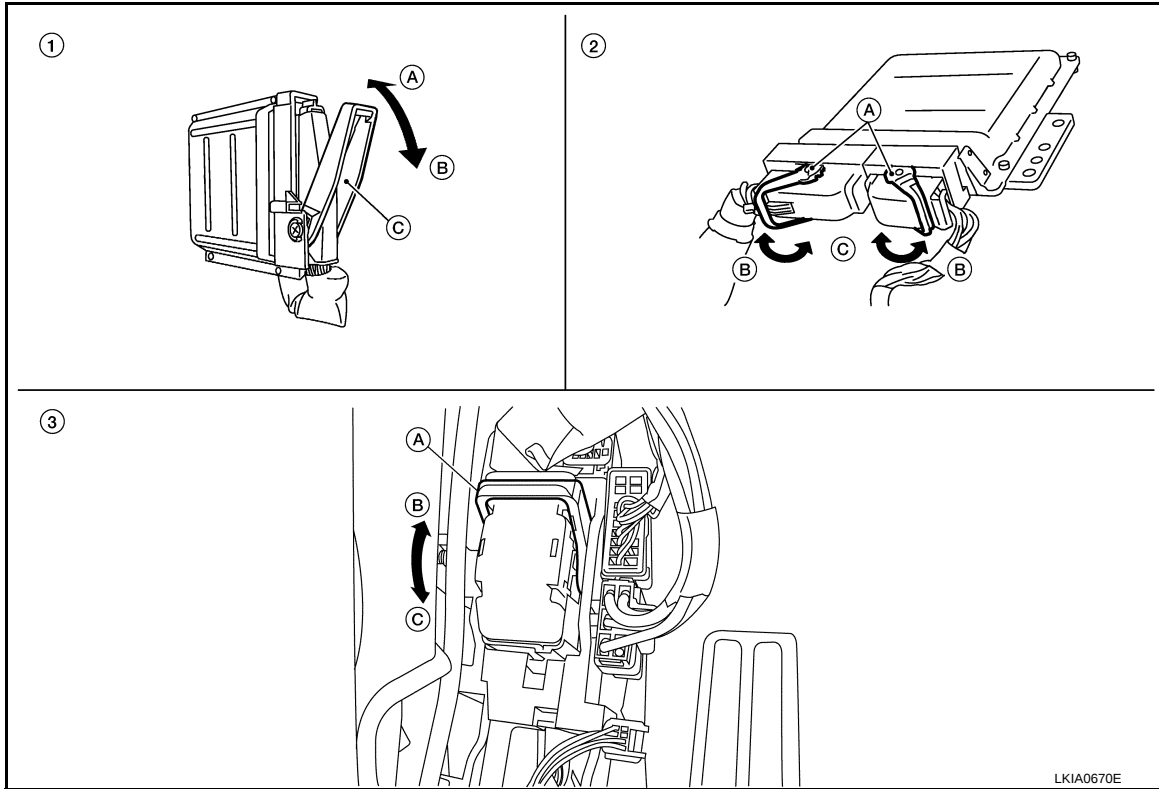
**CAUTION:**

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# COMPONENT PARTS

## < SYSTEM DESCRIPTION >

Always confirm the lever is fully released (loosened) before attempting to disconnect or connect these connectors to avoid damage to the connector housing or terminals.



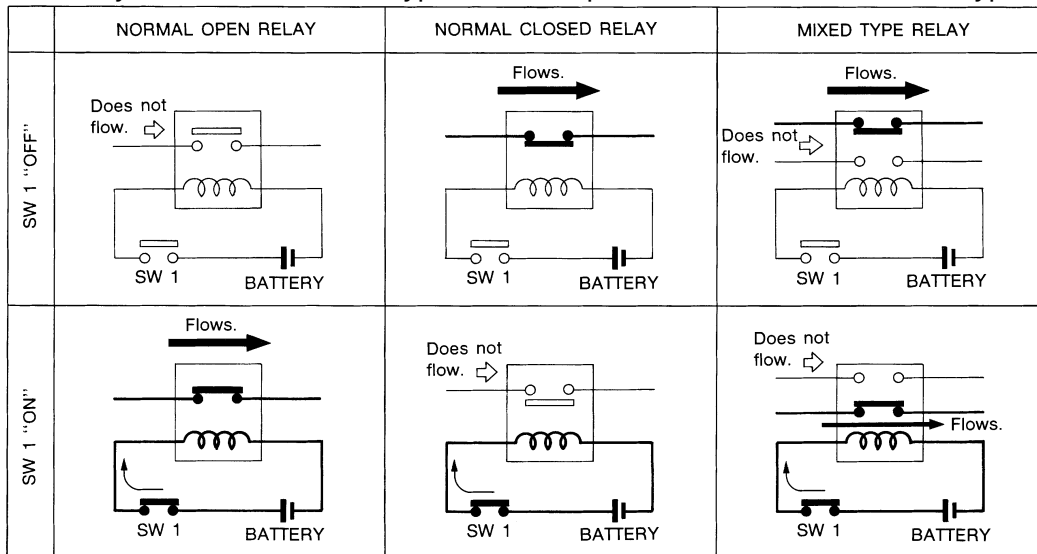
- |                                   |                                  |                  |
|-----------------------------------|----------------------------------|------------------|
| 1. Control unit with single lever | 2. Control unit with dual levers | 3. SMJ connector |
| A. Fasten           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

## Standardized Relay

INFOID:000000008273554

### NORMAL OPEN, NORMAL CLOSED AND MIXED TYPE RELAYS

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



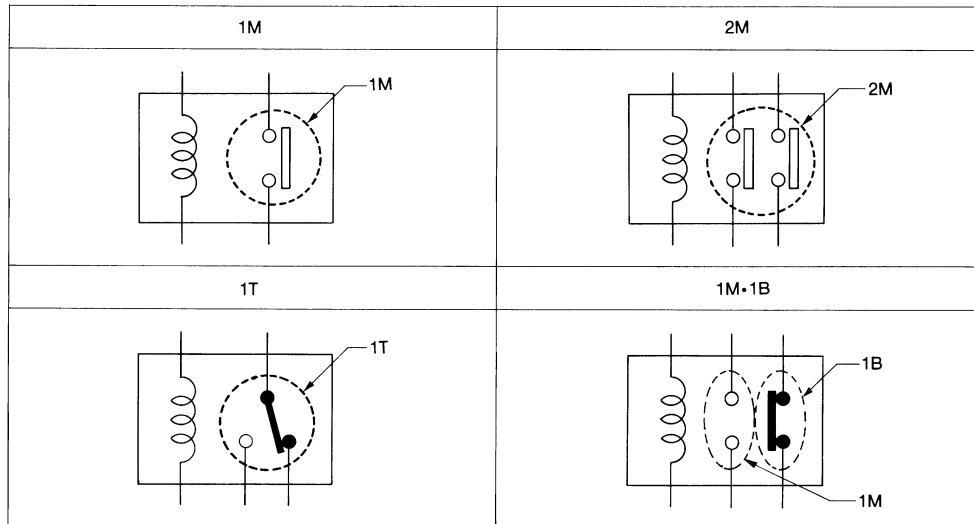
SEL881H

## TYPE OF STANDARDIZED RELAYS

# COMPONENT PARTS

## < SYSTEM DESCRIPTION >

1M ..... 1 Make                      2M ..... 2 Make  
 1T ..... 1 Transfer                  1M·1B ..... 1 Make 1 Break



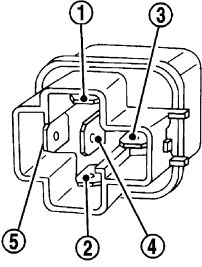
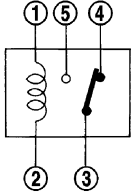
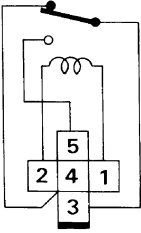
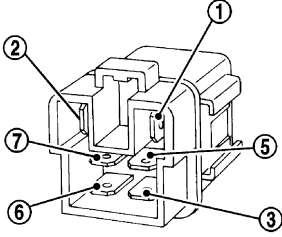
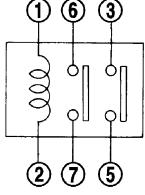
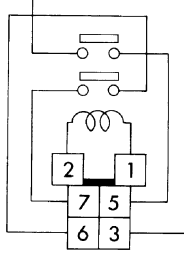
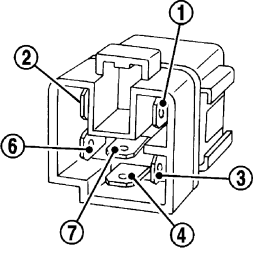
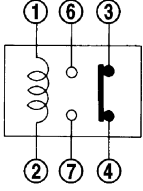
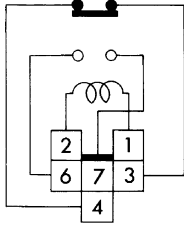
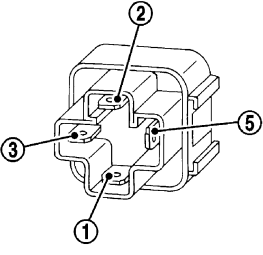
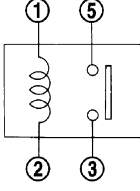
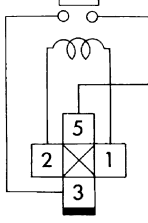
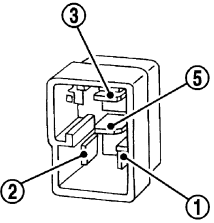
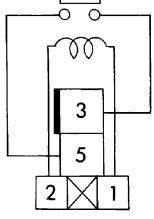
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# COMPONENT PARTS

## < SYSTEM DESCRIPTION >

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

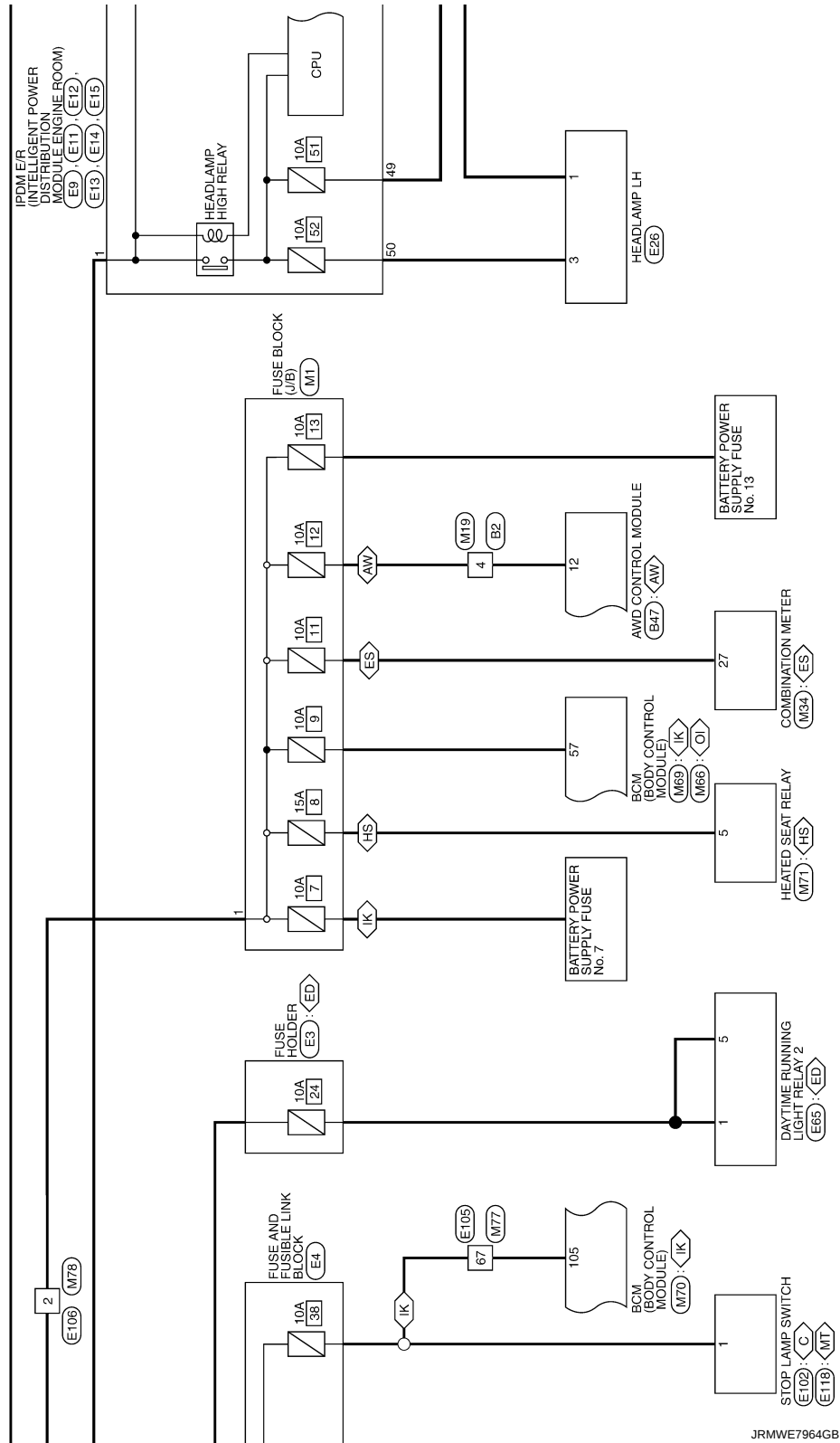
The arrangement of terminal numbers on the actual relays may differ from those shown above.

SEL188W



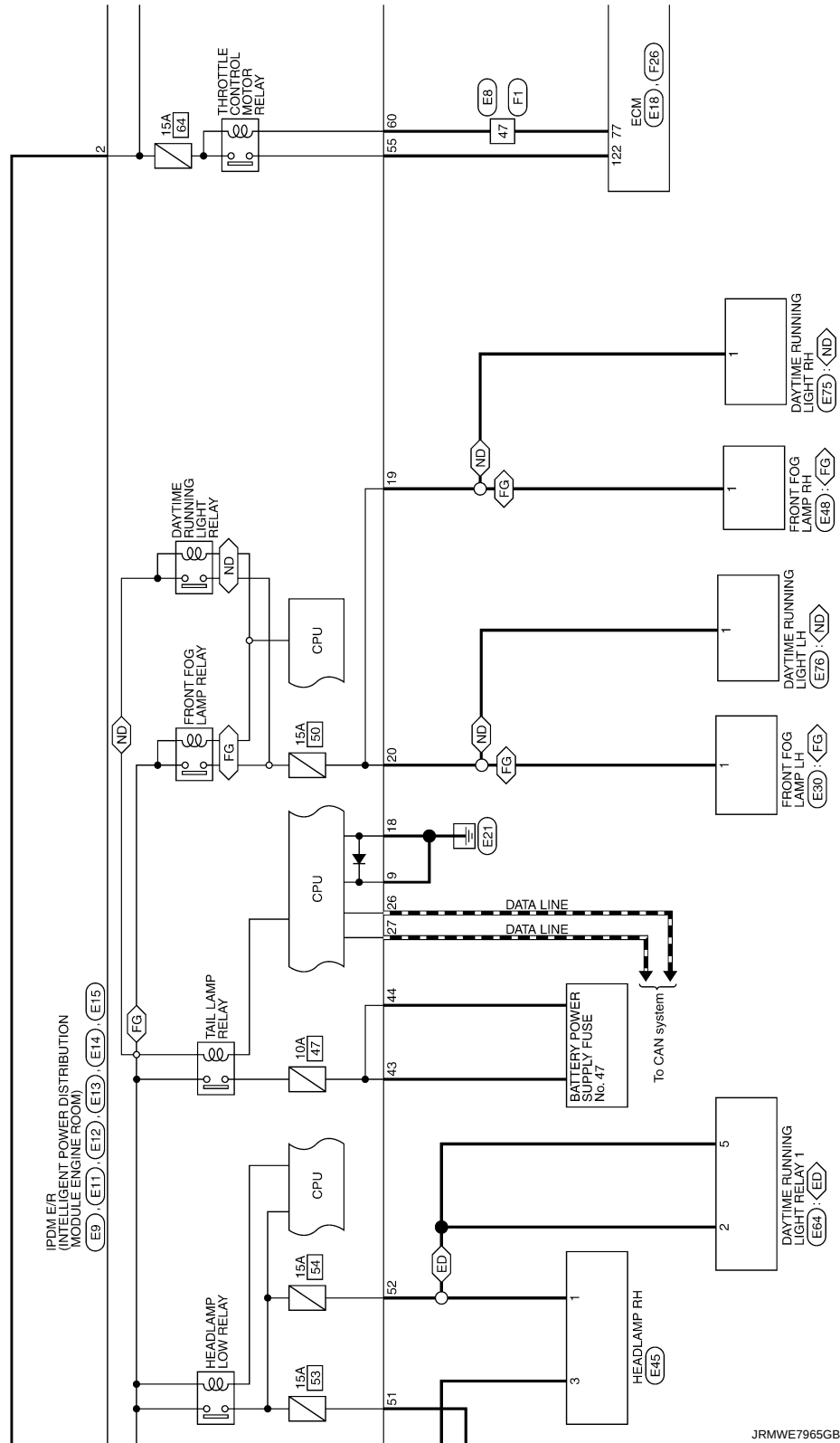
# POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >



# POWER SUPPLY ROUTING CIRCUIT

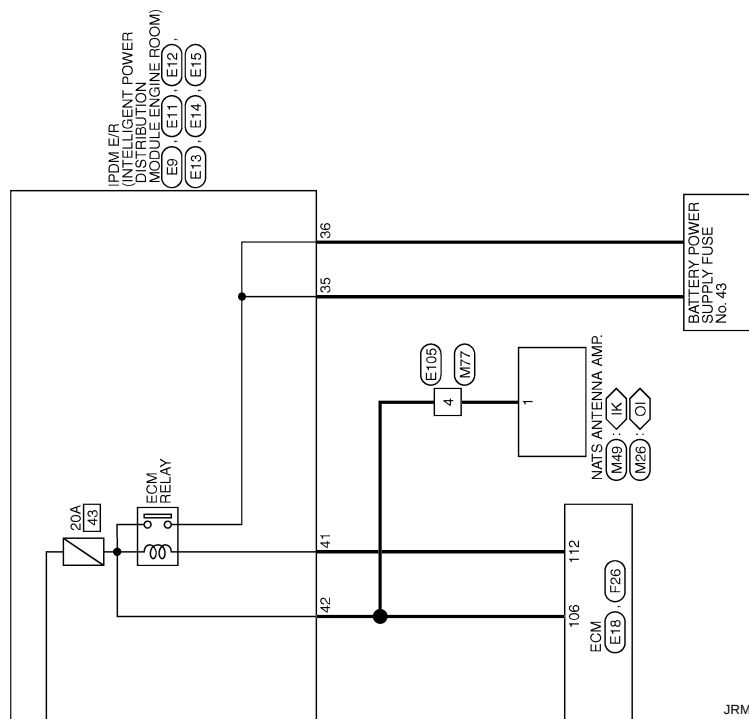
< WIRING DIAGRAM >



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# POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >



JRMWD6989GB

# POWER SUPPLY ROUTING CIRCUIT

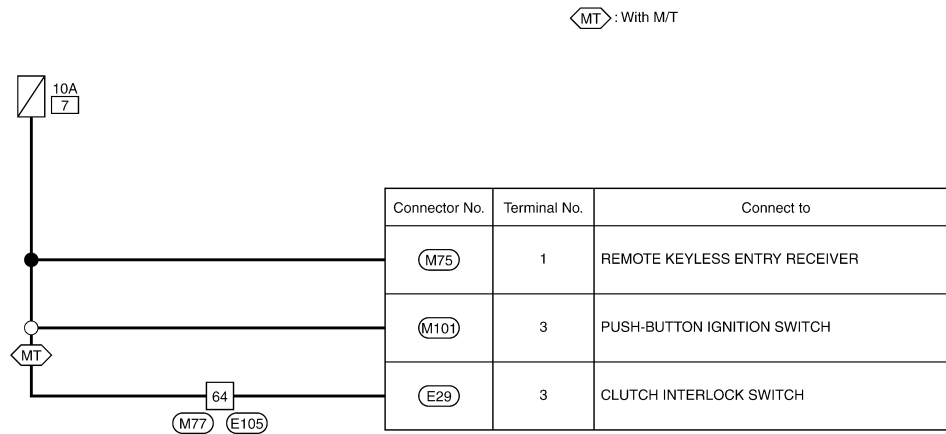
< WIRING DIAGRAM >

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

INFOID:000000008273556

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



2011/08/18

JRMWC5522GB

# POWER SUPPLY ROUTING CIRCUIT

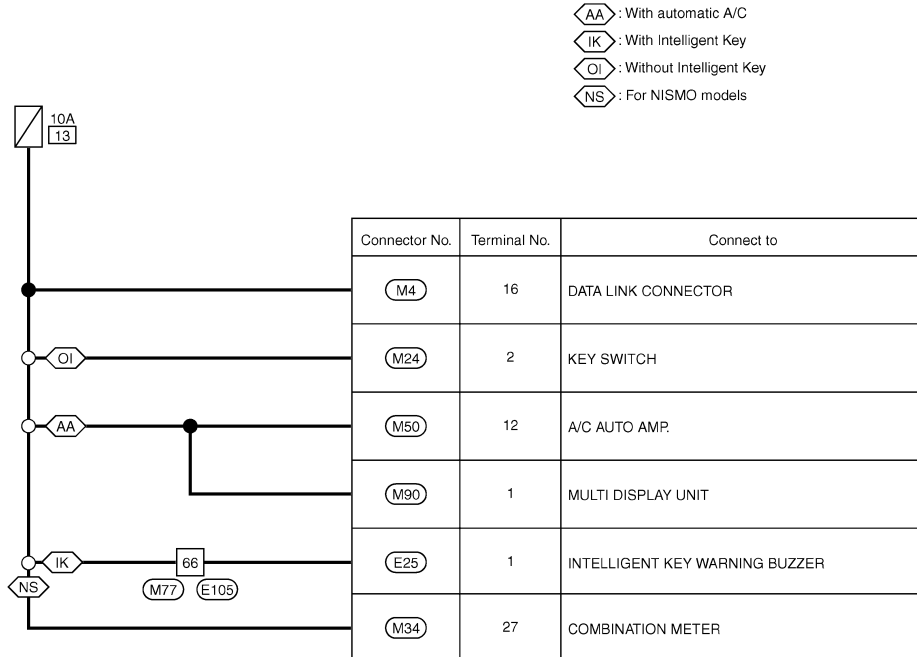
< WIRING DIAGRAM >

## Wiring Diagram - BATTERY POWER SUPPLY FUSE No.13 -

INFOID:000000008273557

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

### BATTERY POWER SUPPLY FUSE No. 13



2012/12/12

JRMWD6990GB

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INFOID:0000000008273558

## BATTERY POWER SUPPLY FUSE No. 34



# POWER SUPPLY ROUTING CIRCUIT

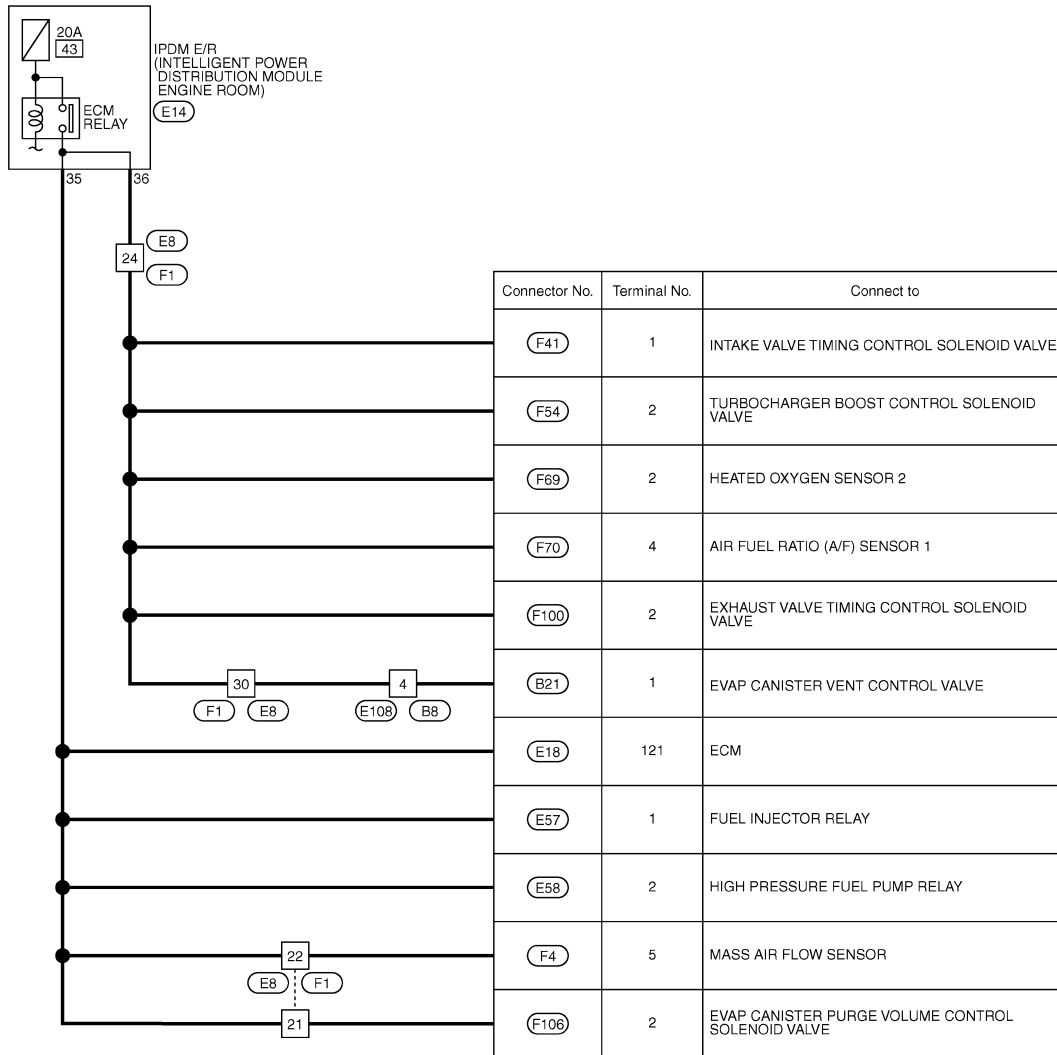
< WIRING DIAGRAM >

## Wiring Diagram - BATTERY POWER SUPPLY FUSE No.43 -

INFOID:000000008273559

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

### BATTERY POWER SUPPLY FUSE No. 43



2010/08/30

JCMWA6117GB

# POWER SUPPLY ROUTING CIRCUIT

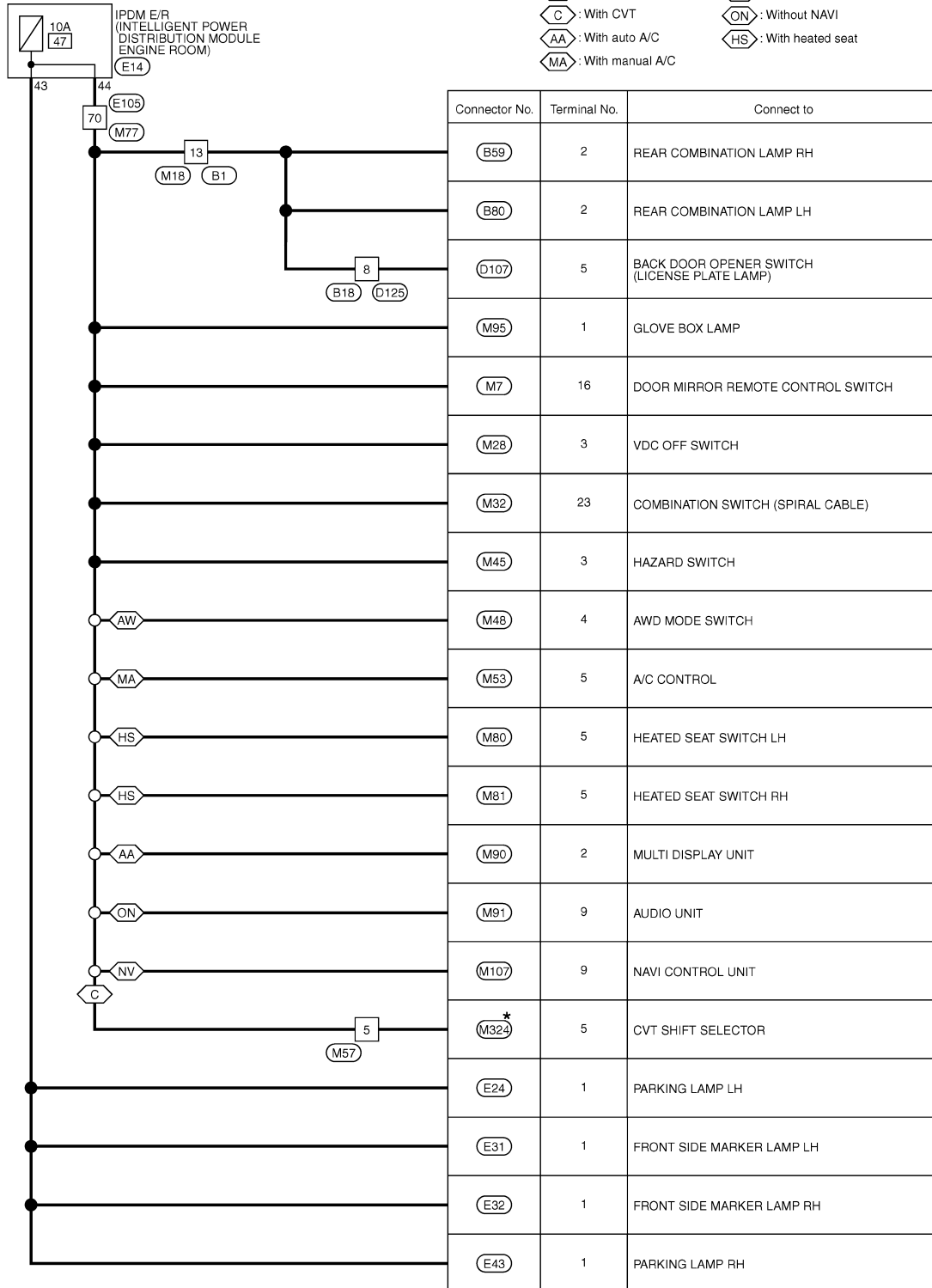
< WIRING DIAGRAM >

## Wiring Diagram - BATTERY POWER SUPPLY FUSE No.47 -

INFOID:000000008273560

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

### BATTERY POWER SUPPLY FUSE No. 47



2012/07/20

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

JRMWD3820GB

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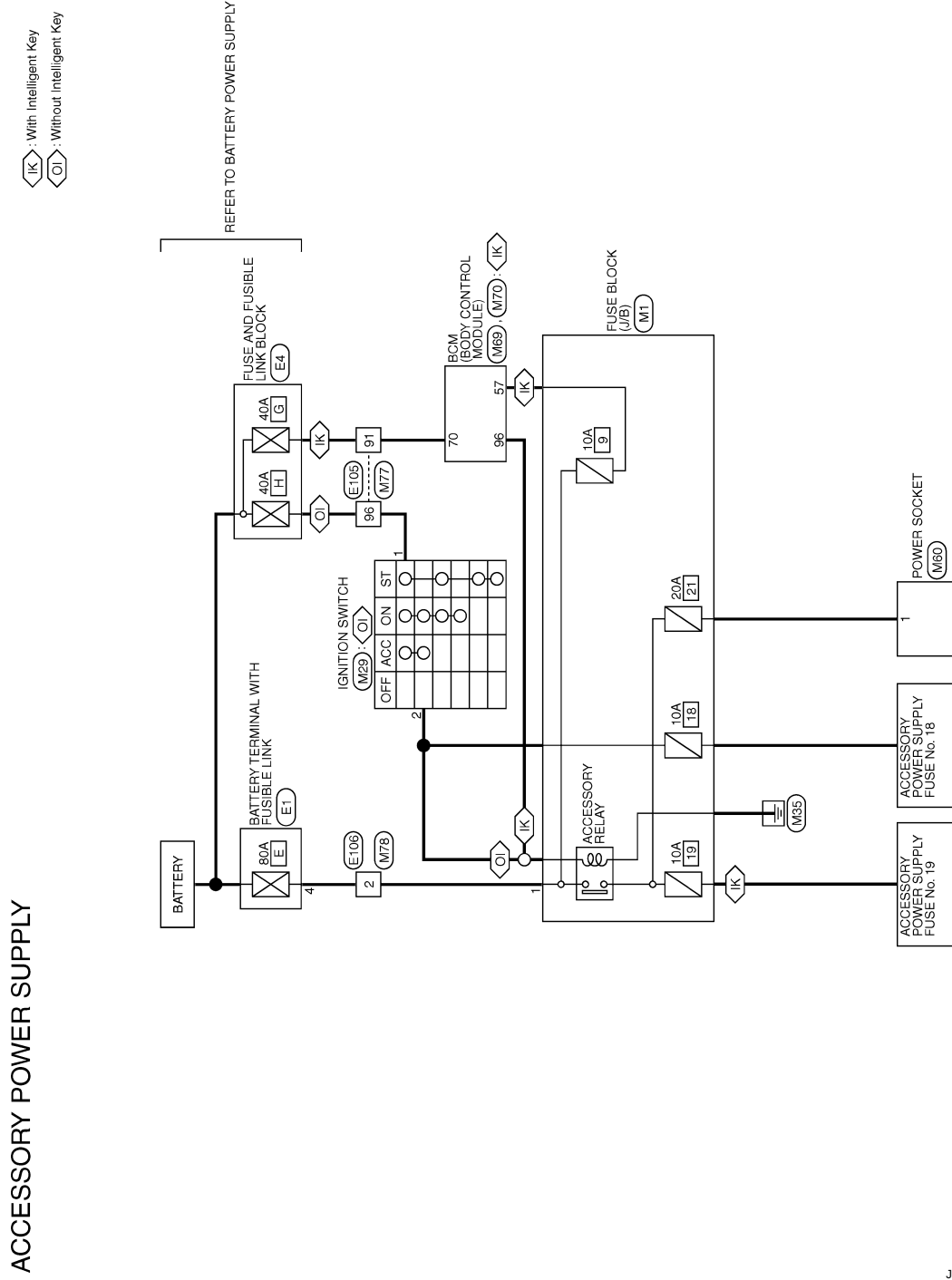
# POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

## Wiring Diagram - ACCESSORY POWER SUPPLY -

INFOID:000000008273561

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



# POWER SUPPLY ROUTING CIRCUIT

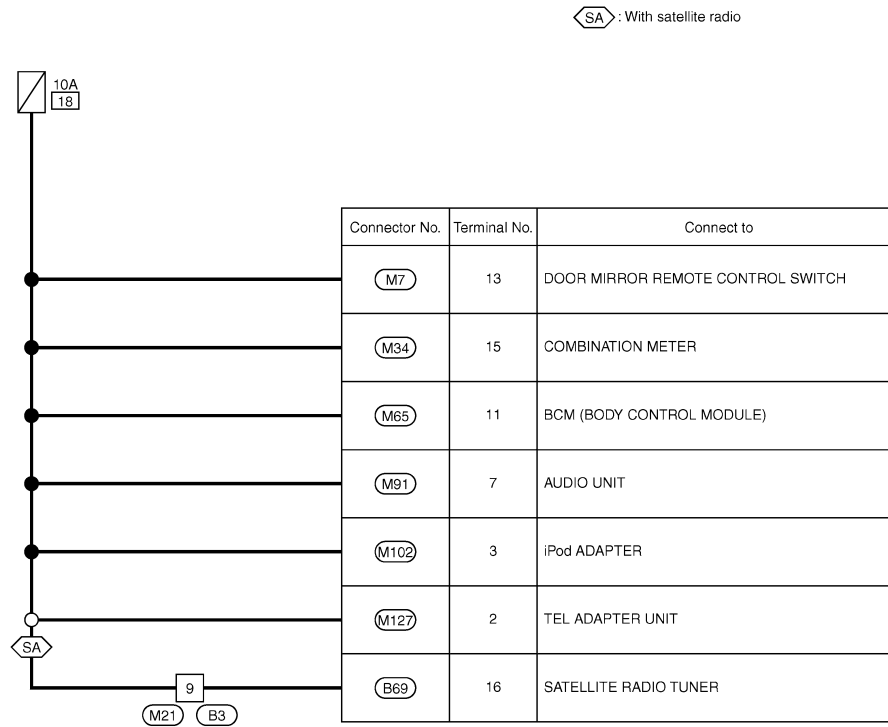
< WIRING DIAGRAM >

## Wiring Diagram - ACCESSORY POWER SUPPLY FUSE No.18 -

INFOID:000000008273562

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

### ACCESSORY POWER SUPPLY FUSE No. 18



2010/08/30

JCMWA6129GB

# POWER SUPPLY ROUTING CIRCUIT

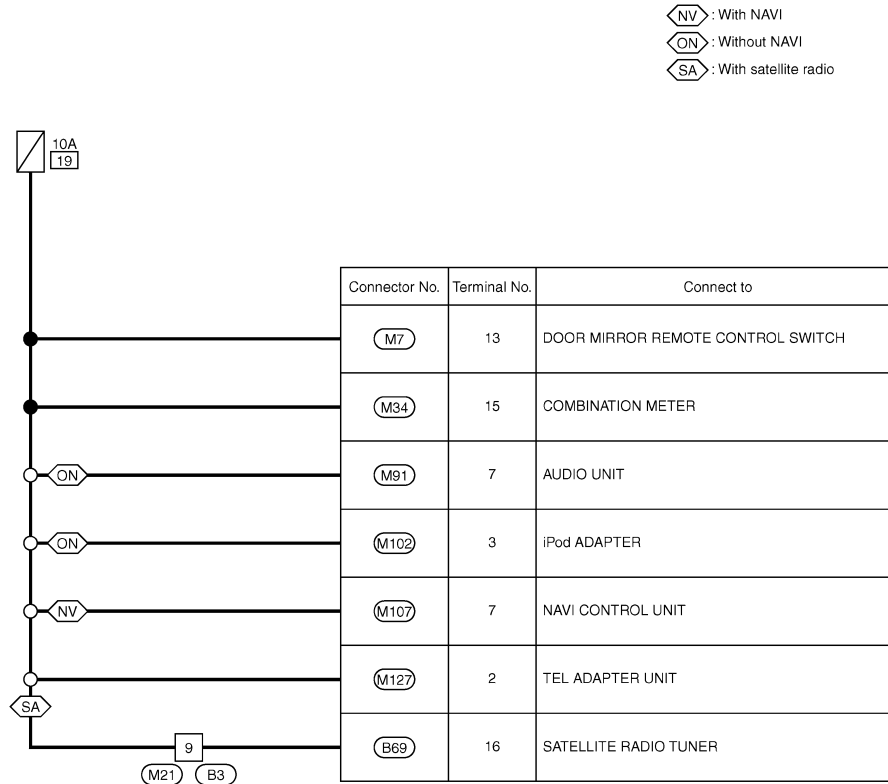
< WIRING DIAGRAM >

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

INFOID:000000008273563

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

### ACCESSORY POWER SUPPLY FUSE No. 19



2010/08/30

JCMWA6132GB

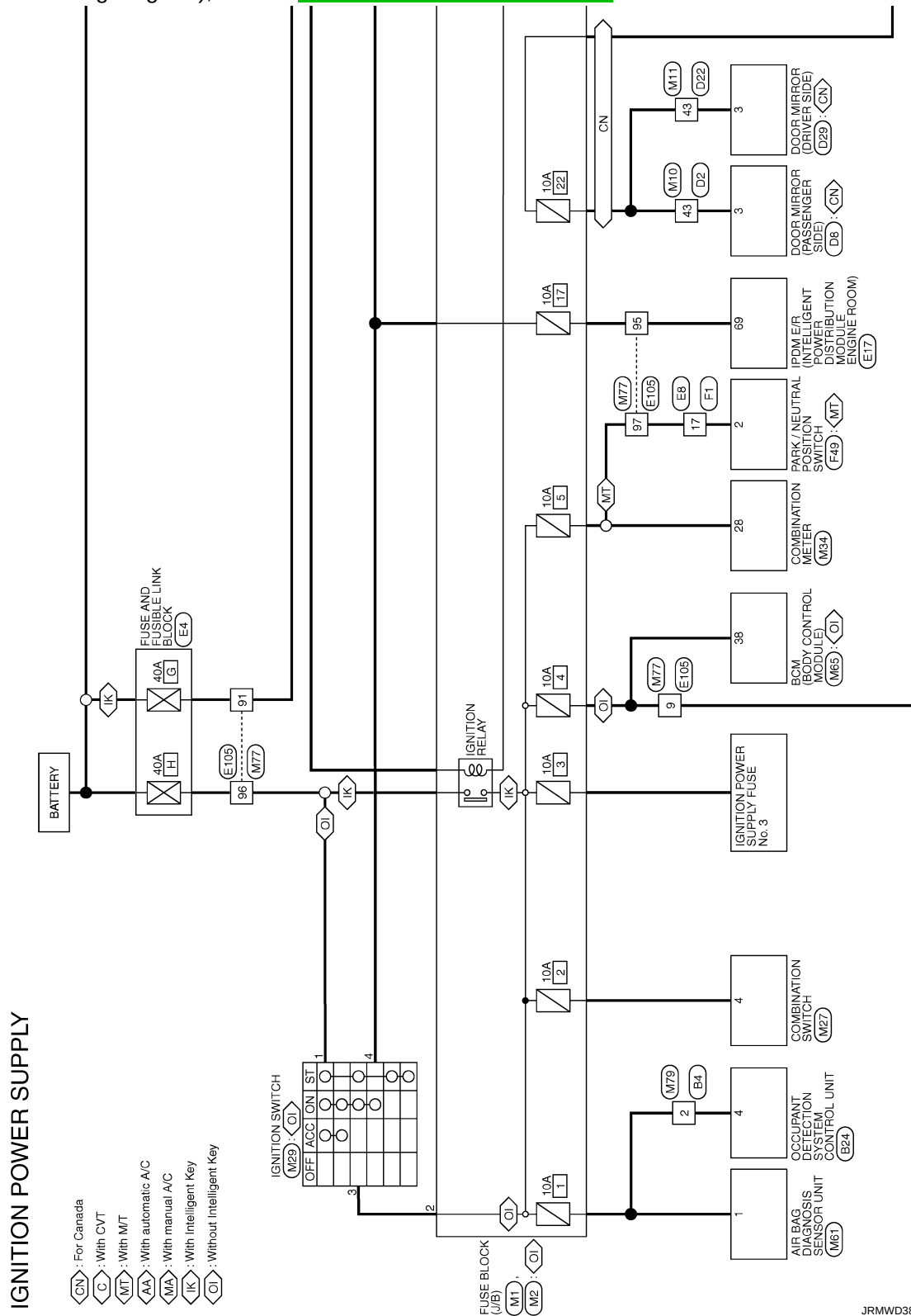
# POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

## Wiring Diagram - IGNITION POWER SUPPLY -

INFOID:000000008273564

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



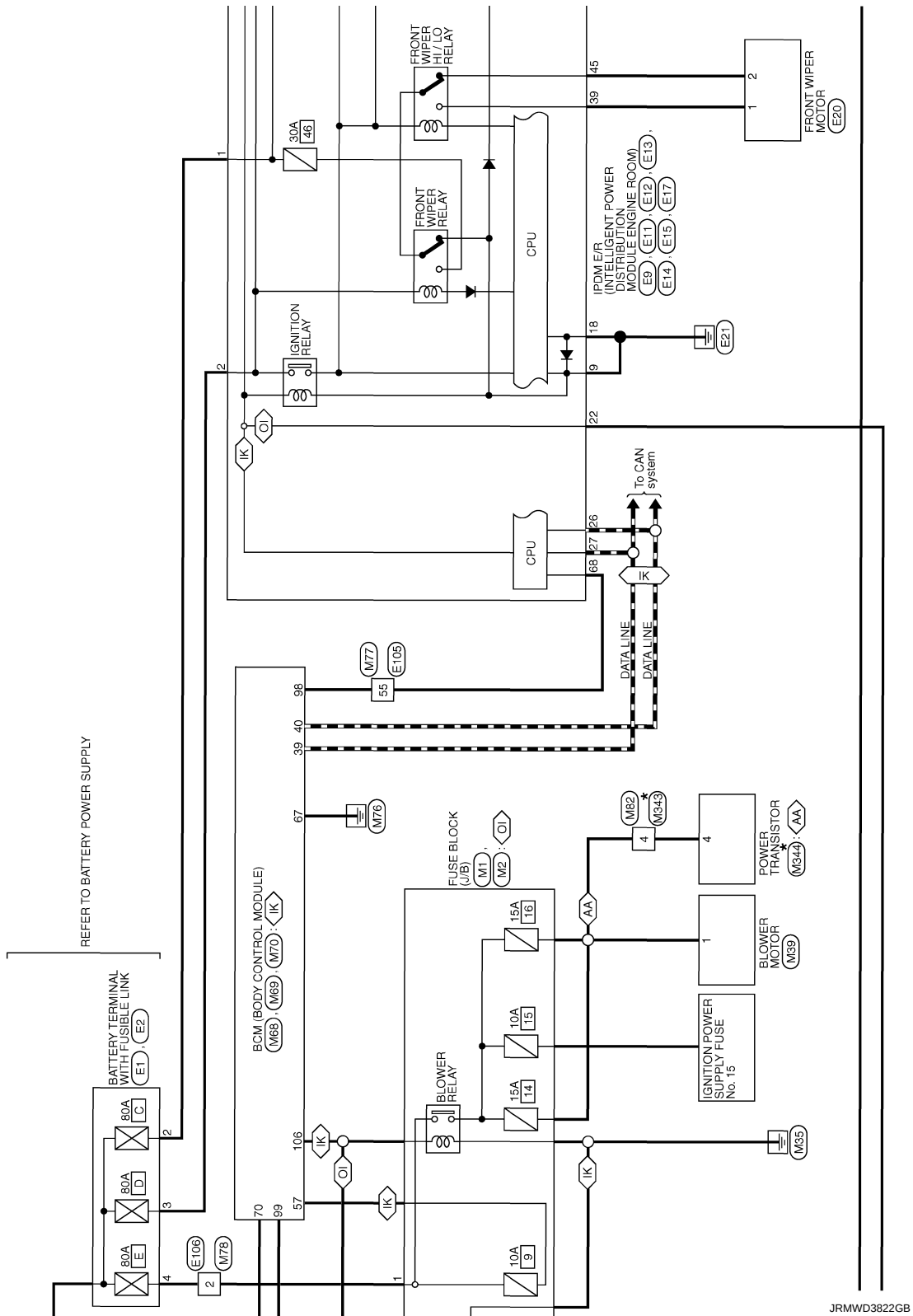
\* : This connector is not shown in "Harness Layout".

2012/07/20

JRMWD3821GB

# POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >



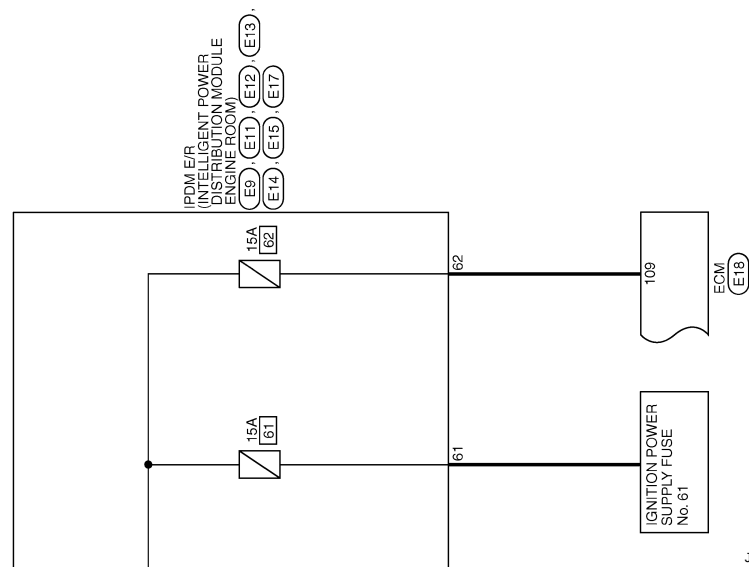
JRMWD3822GB

## < WIRING DIAGRAM >



# POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >



JRMWD3824GB

# POWER SUPPLY ROUTING CIRCUIT

< WIRING DIAGRAM >

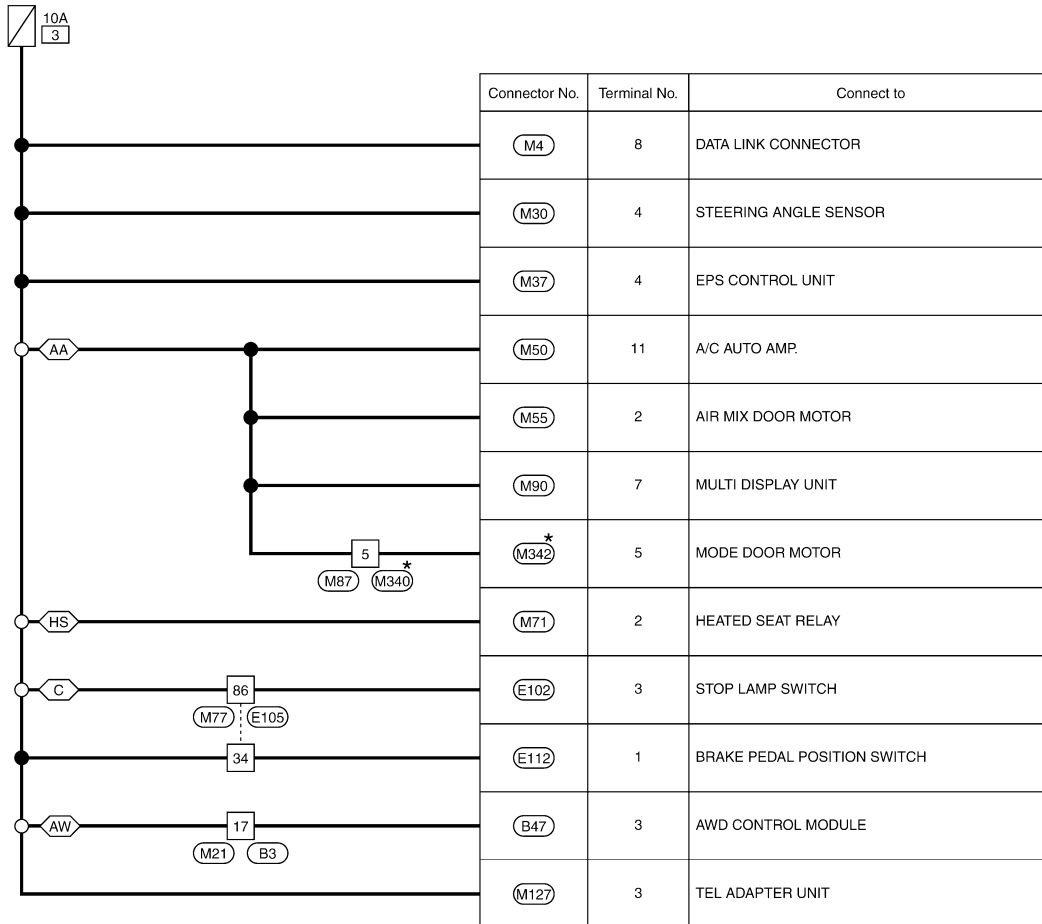
## Wiring Diagram - IGNITION POWER SUPPLY FUSE No.3 -

INFOID:000000008273565

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

### IGNITION POWER SUPPLY FUSE No. 3

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



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

2011/08/18

JRMWC5528GB

# POWER SUPPLY ROUTING CIRCUIT

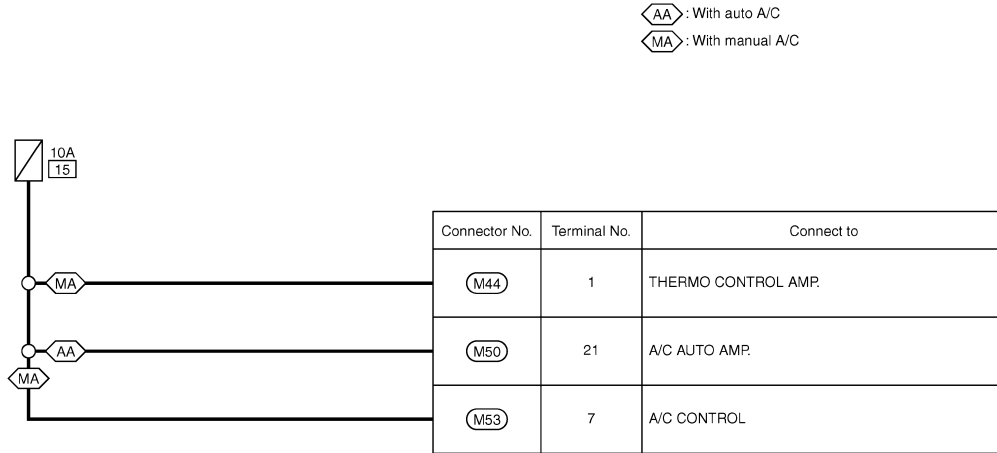
< WIRING DIAGRAM >

## Wiring Diagram - IGNITION POWER SUPPLY FUSE No.15 -

INFOID:000000008273566

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

### IGNITION POWER SUPPLY FUSE No. 15



2010/08/30

JCMWA6152GB

# POWER SUPPLY ROUTING CIRCUIT

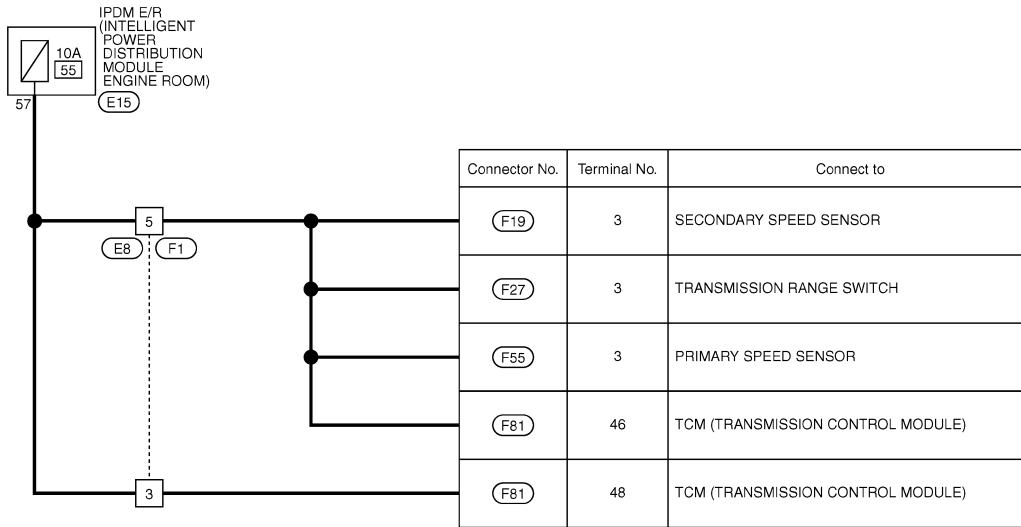
< WIRING DIAGRAM >

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

INFOID:000000008273567

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

### IGNITION POWER SUPPLY FUSE No. 55



2010/08/30

JCMWA6154GB

# POWER SUPPLY ROUTING CIRCUIT

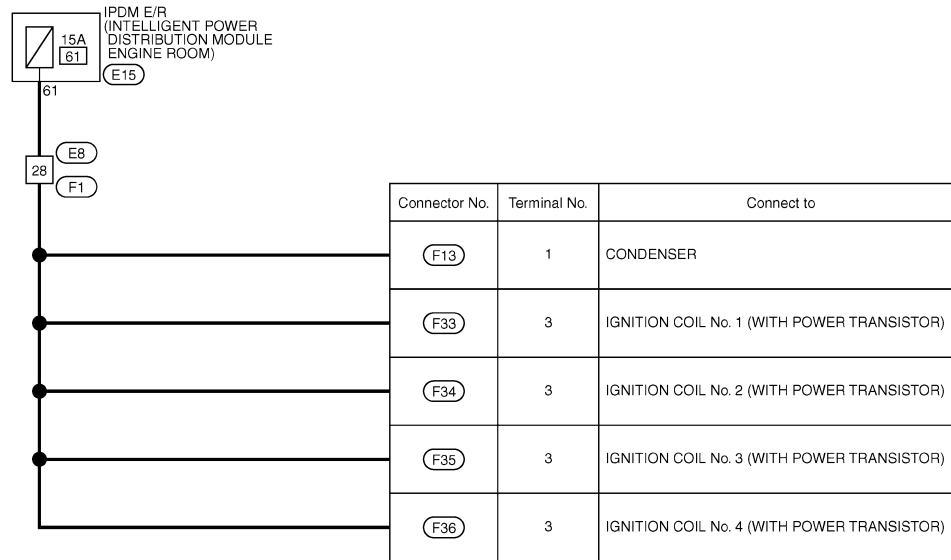
< WIRING DIAGRAM >

## Wiring Diagram - IGNITION POWER SUPPLY FUSE No.61 -

INFOID:000000008273568

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

### IGNITION POWER SUPPLY FUSE No. 61



2010/08/30

JCMWA6157GB

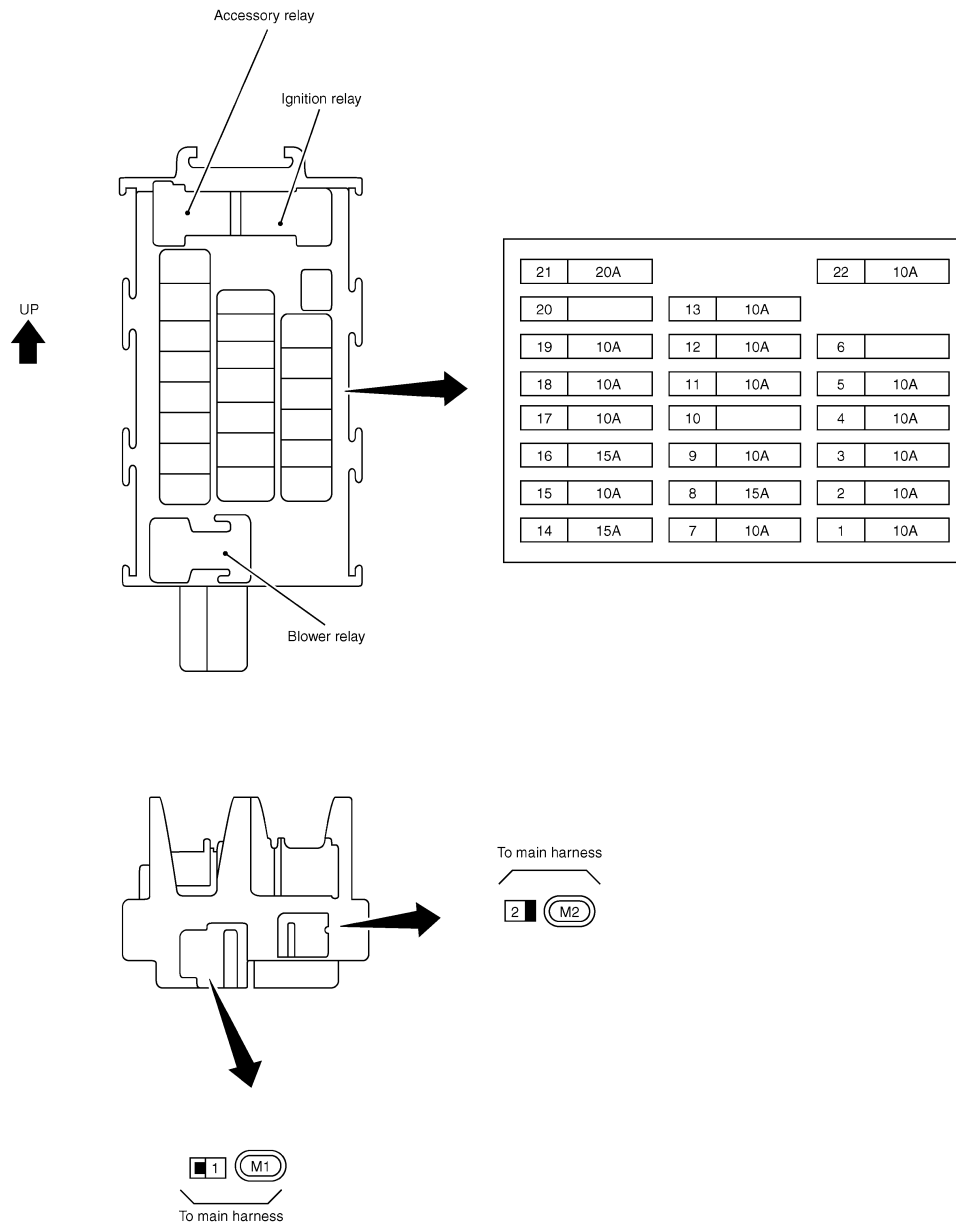
# FUSE BLOCK - JUNCTION BOX (J/B)

< WIRING DIAGRAM >

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

Fuse, Connector and Terminal Arrangement

INFOID:000000008273569



2010/08/30

JCMWA6160GB

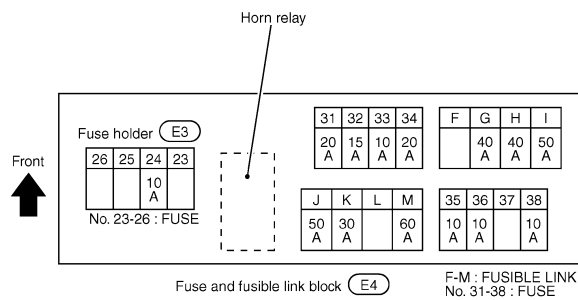
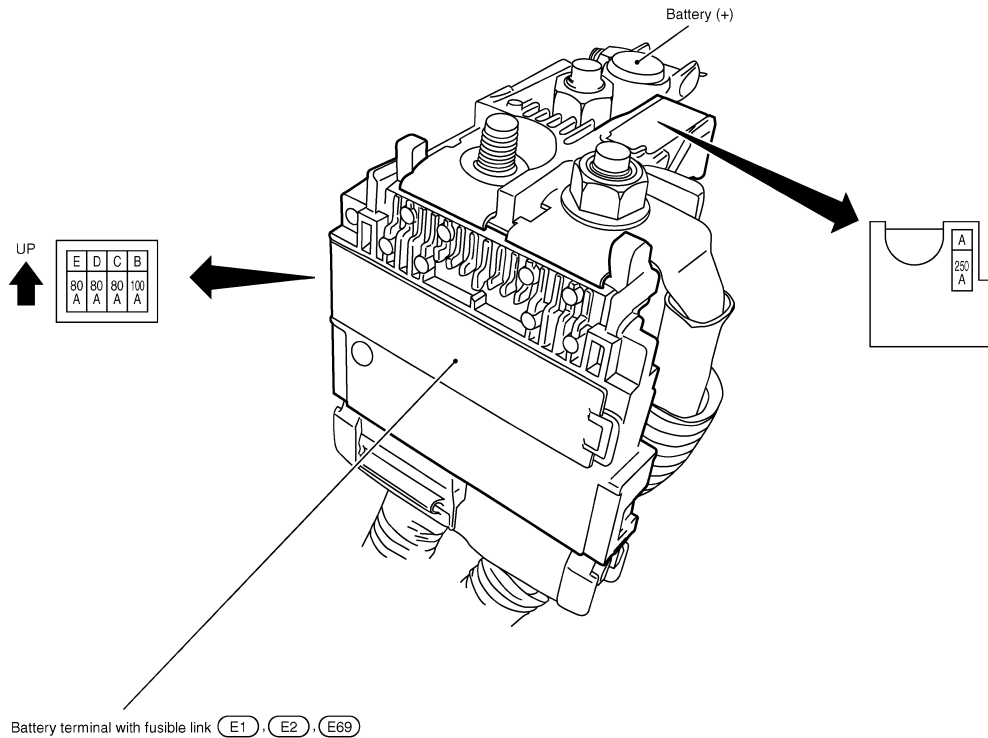
# FUSE, FUSIBLE LINK AND RELAY BOX

< WIRING DIAGRAM >

## FUSE, FUSIBLE LINK AND RELAY BOX

### Fuse and Fusible Link Arrangement

INFOID:000000008273570



2010/08/30

JCMWA6161GB

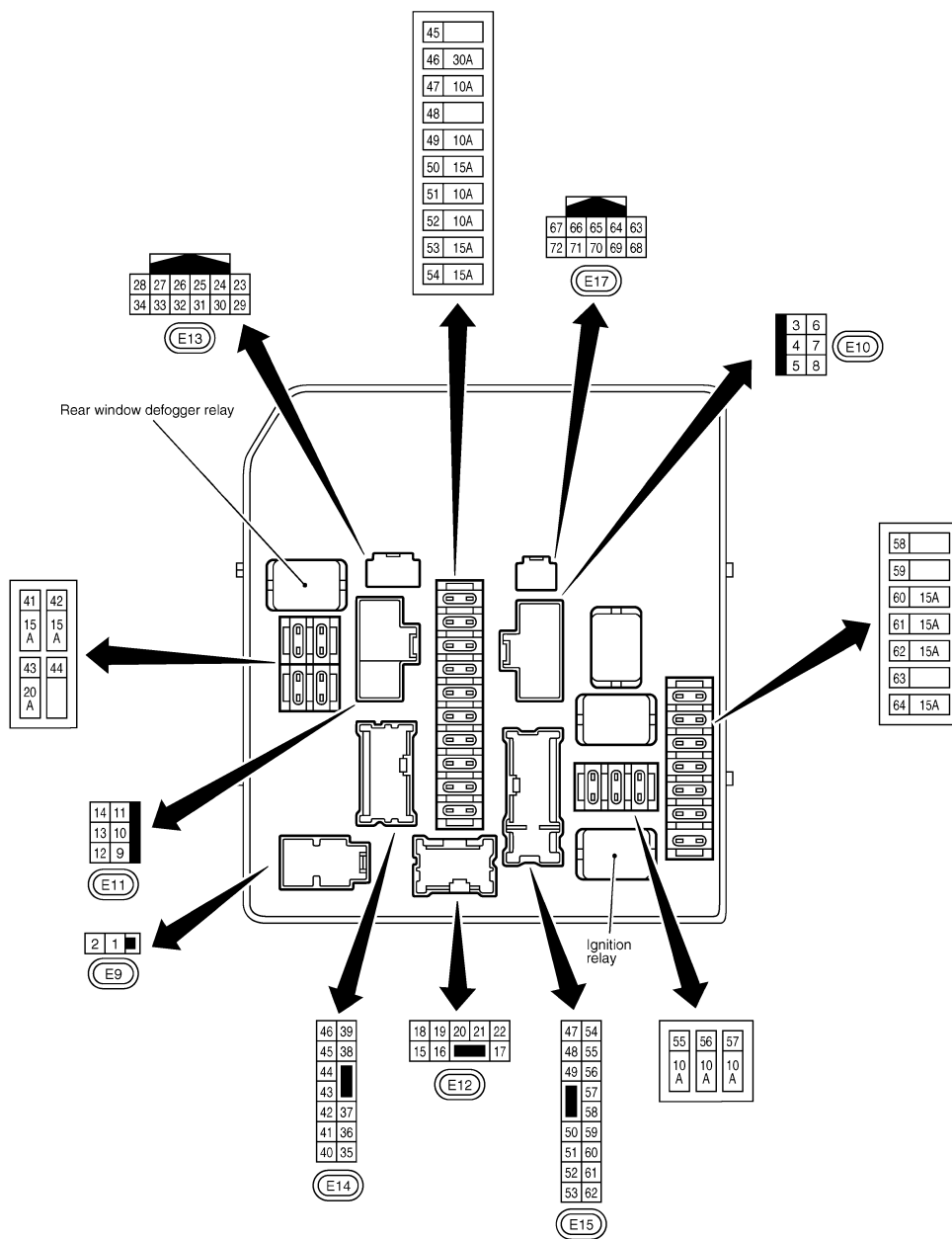
# IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)

< WIRING DIAGRAM >

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

### Fuse, Connector and Terminal Arrangement

INFOID:000000008273571



To engine room harness

2012/07/20

JRMWD3825GB

# HARNESS LAYOUT

< WIRING DIAGRAM >

## HARNESS LAYOUT

### How To Read Harness Layout

INFOID:000000008273572

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

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

JPMIA0114GB

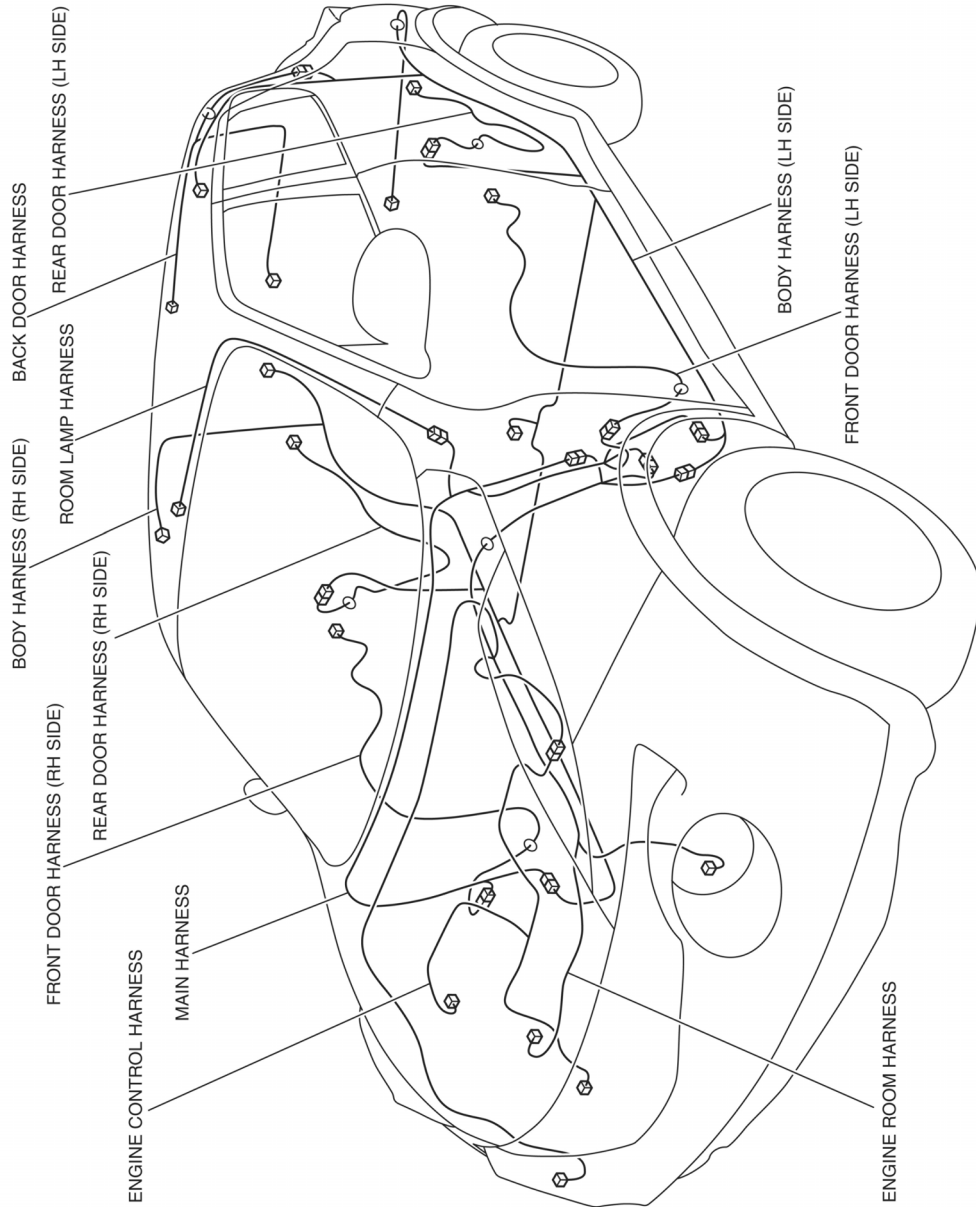
# HARNESS LAYOUT

< WIRING DIAGRAM >

## Outline

INFOID:000000008772821

OUTLINE



2012/07/20

JRMIC1998GB

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

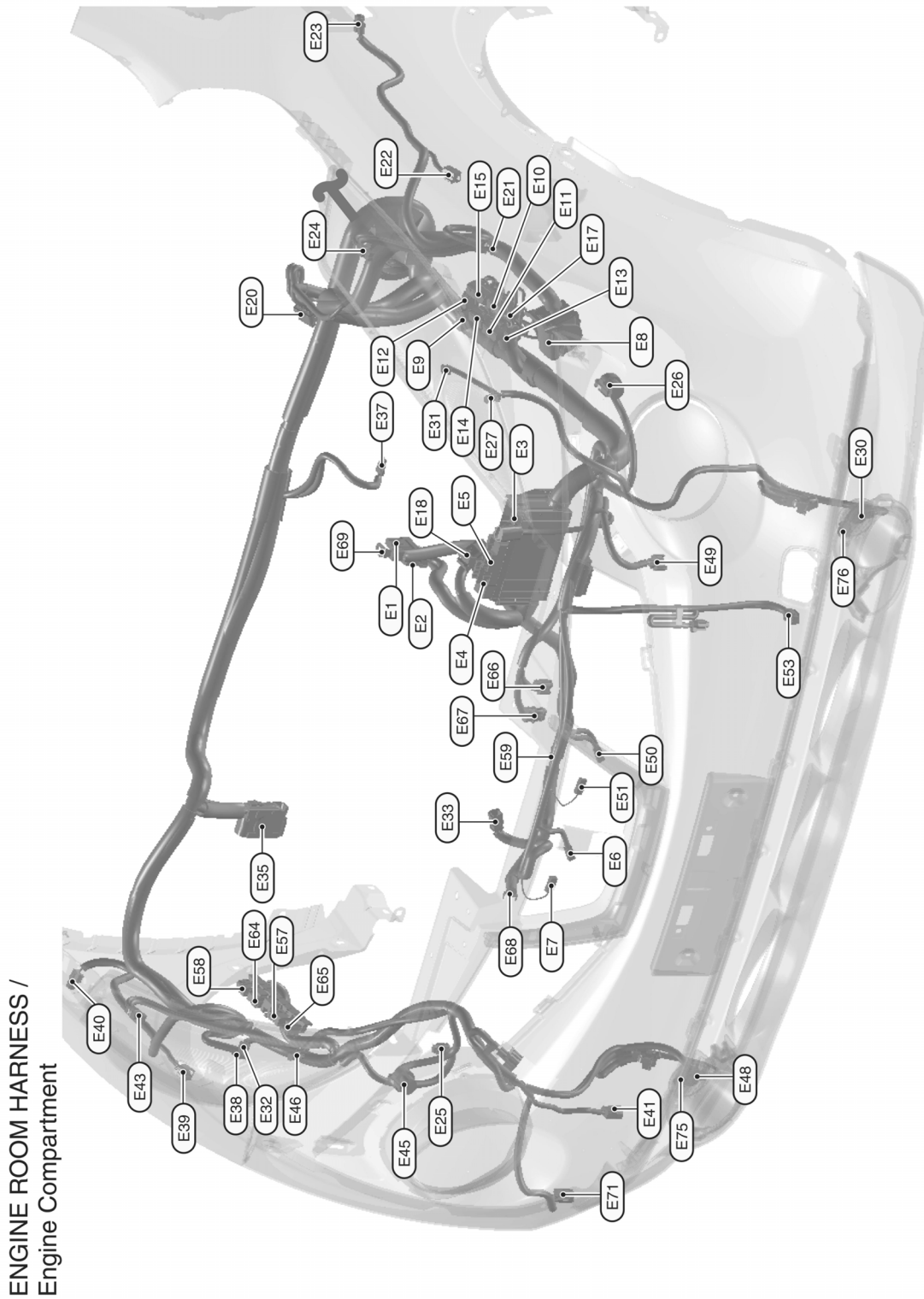
# HARNESS LAYOUT

< WIRING DIAGRAM >

## Engine Room Harness

INFOID:000000008273573

### ENGINE COMPARTMENT



2012/12/12

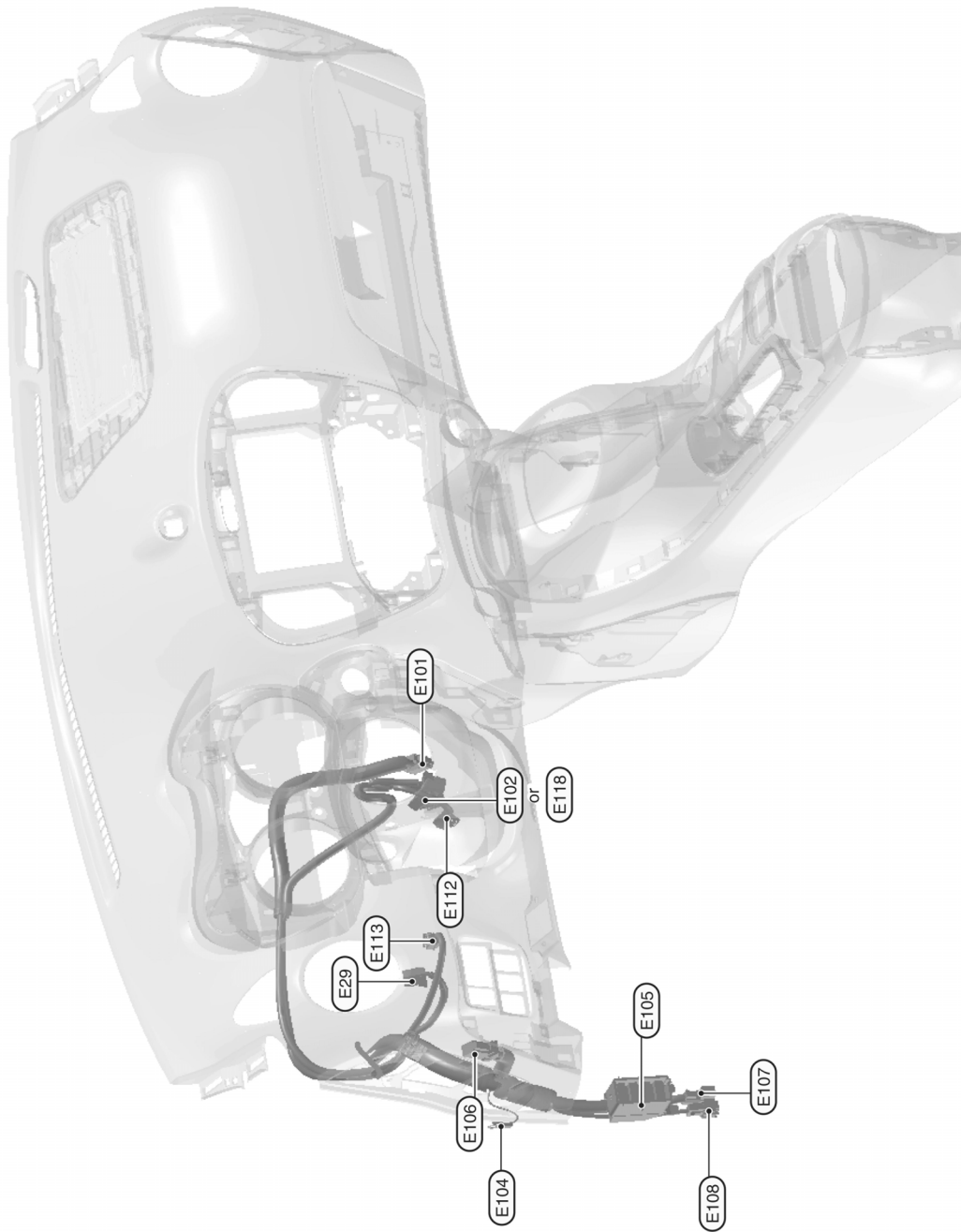
JRMIC2635GB

# HARNESS LAYOUT

< WIRING DIAGRAM >

PASSENGER COMPARTMENT

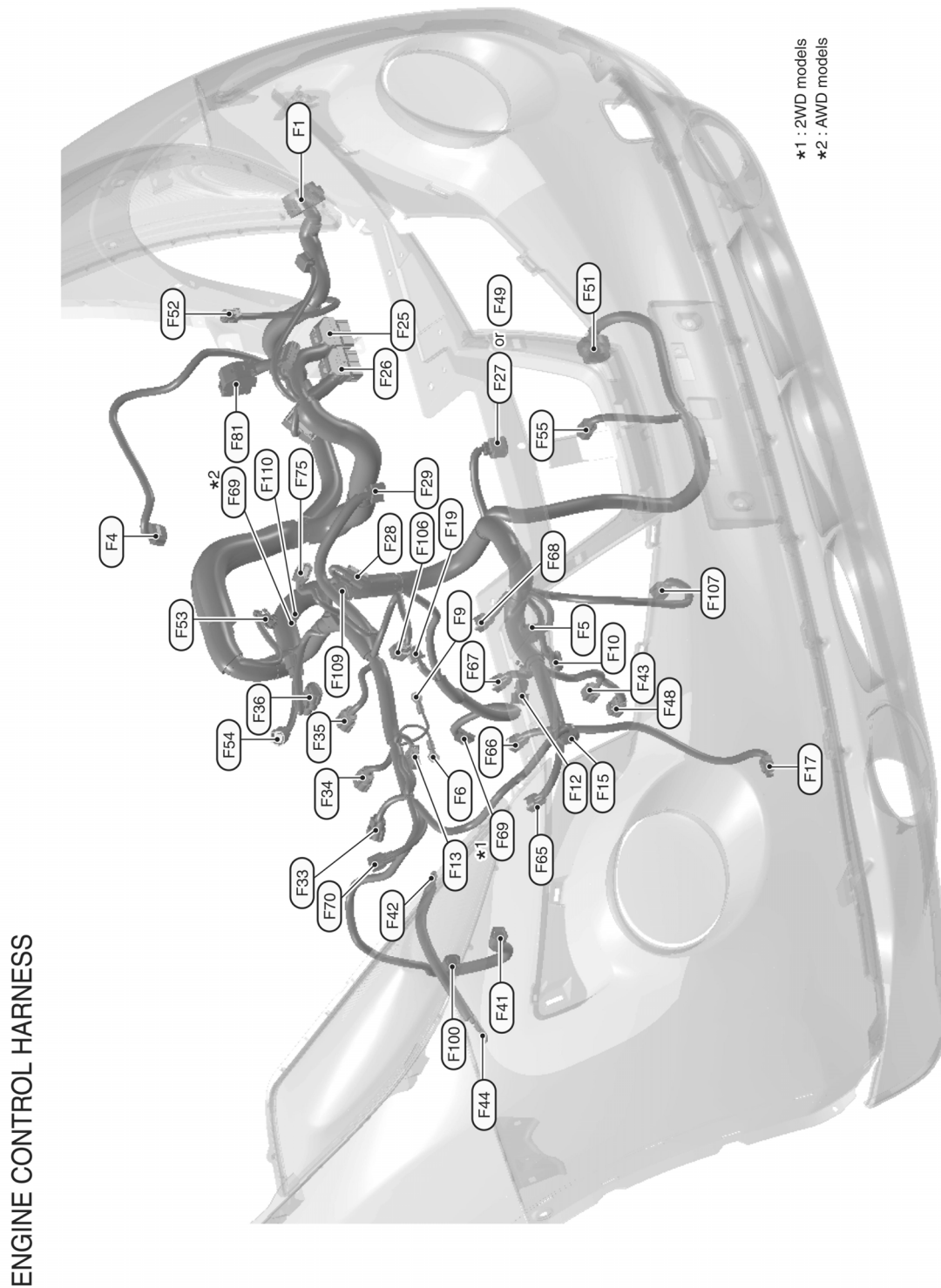
Passenger Compartment



2012/07/20

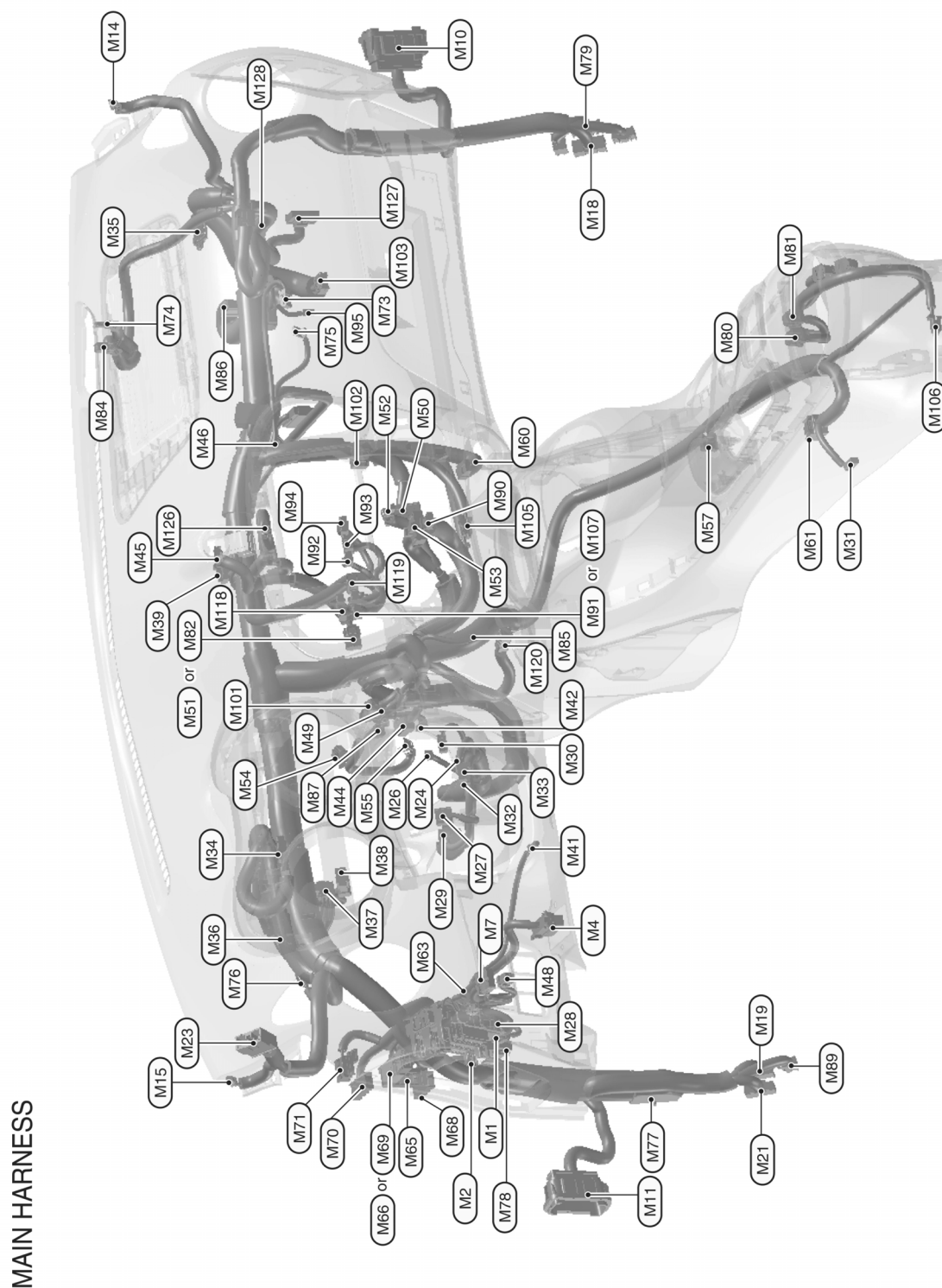
JRMIC2000GB

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



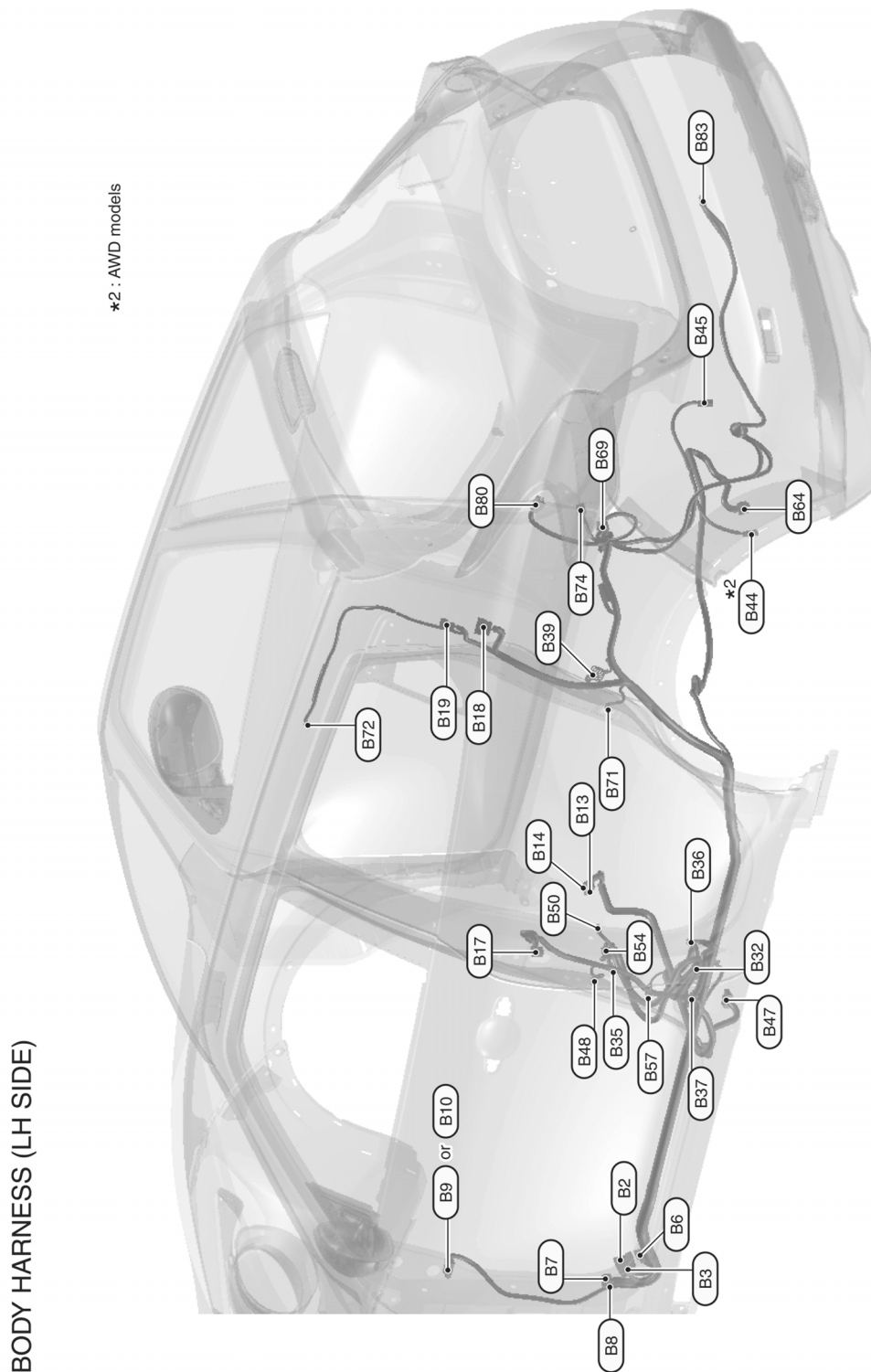
JRMIC2001GB

2012/07/20



2012/07/20

JRMIC2002GB



\*2: AWD models

BODY HARNESS (LH SIDE)

2012/12/12

JRMIC2636GB

## RH SIDE



P

# HARNESS LAYOUT

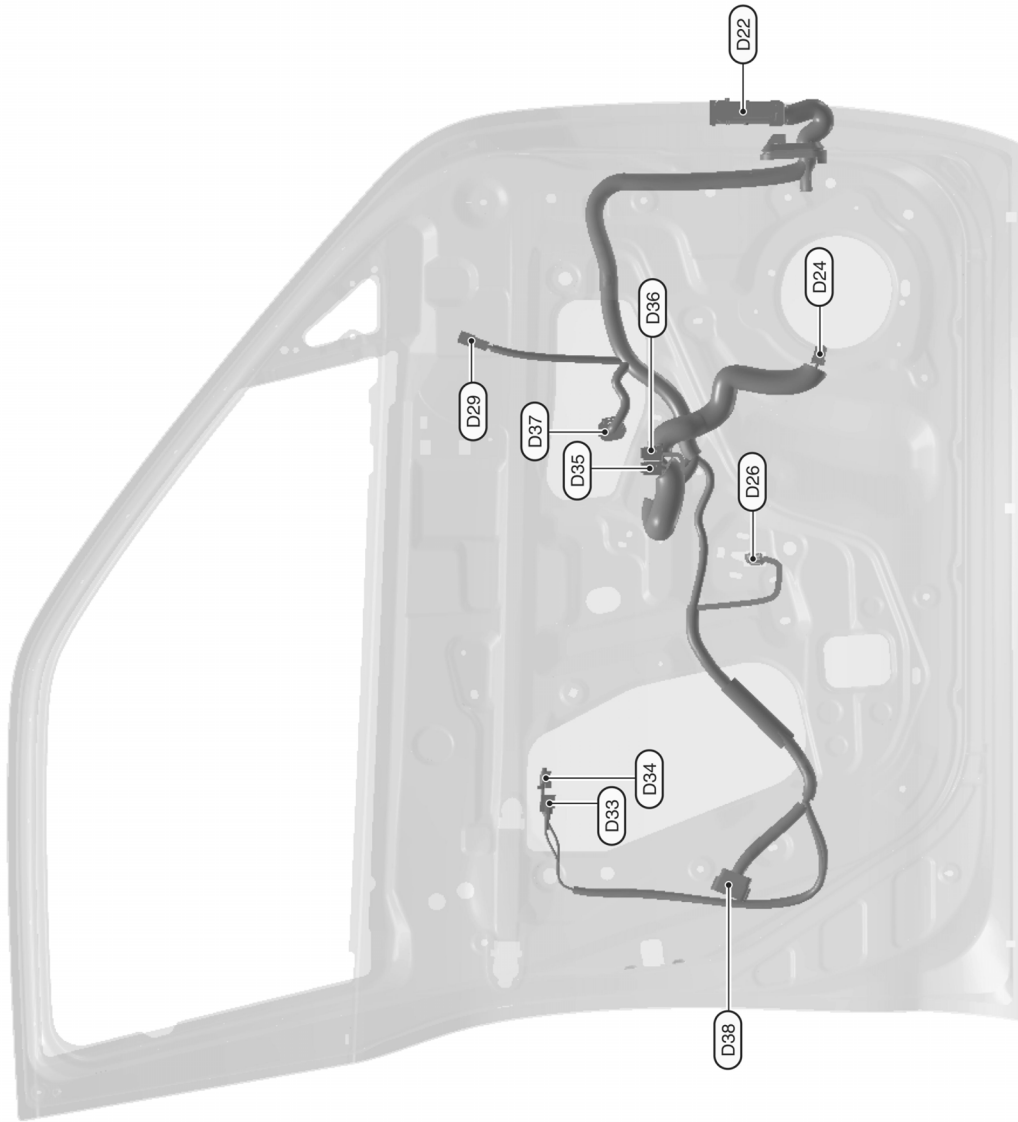
< WIRING DIAGRAM >

## Door Harness

INFOID:000000008273577

### FRONT DOOR HARNESS (LH SIDE)

FRONT DOOR HARNESS (LH SIDE)



2012/07/20

JRMIC2005GB

# HARNESS LAYOUT

< WIRING DIAGRAM >

FRONT DOOR HARNESS (RH SIDE)

FRONT DOOR HARNESS (RH SIDE)



JRMIC2006GB  
2012/07/20

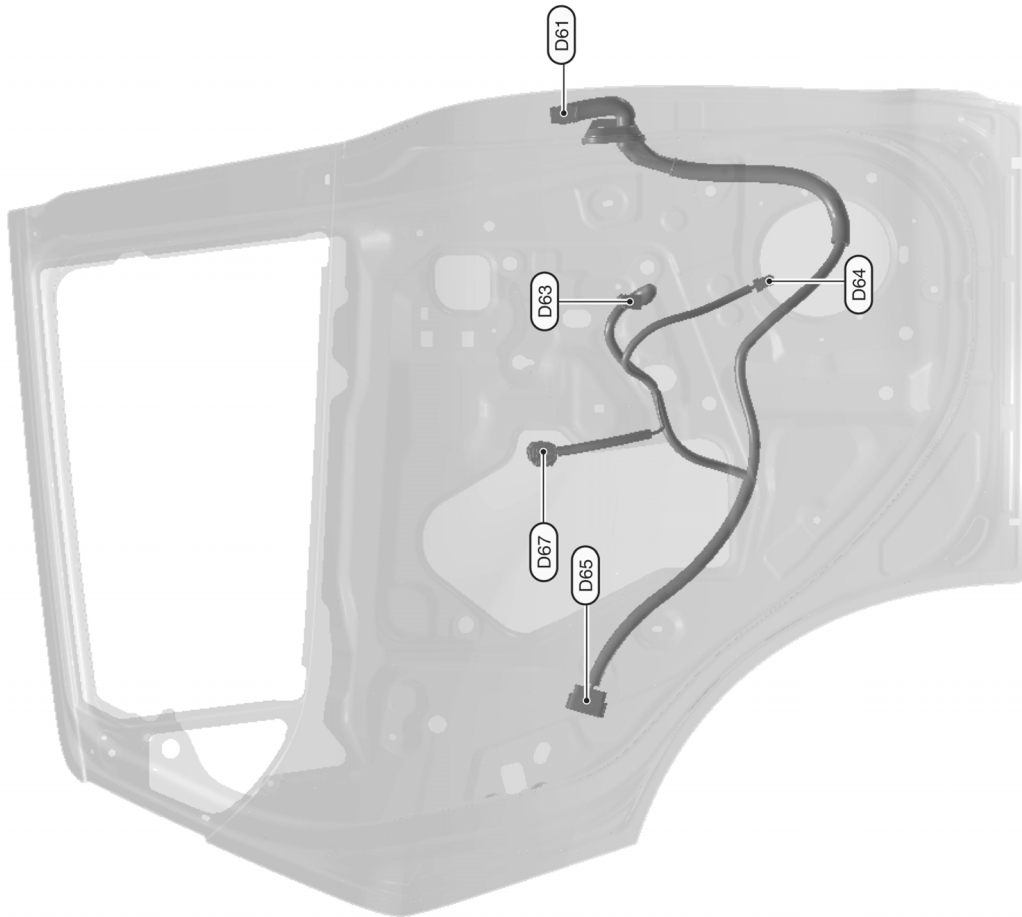
A  
B  
C  
D  
E  
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G  
H  
I  
J  
K  
L  
PG  
N  
O  
P

# HARNESS LAYOUT

< WIRING DIAGRAM >

REAR DOOR HARNESS (LH SIDE)

REAR DOOR HARNESS (LH SIDE)



2012/07/20

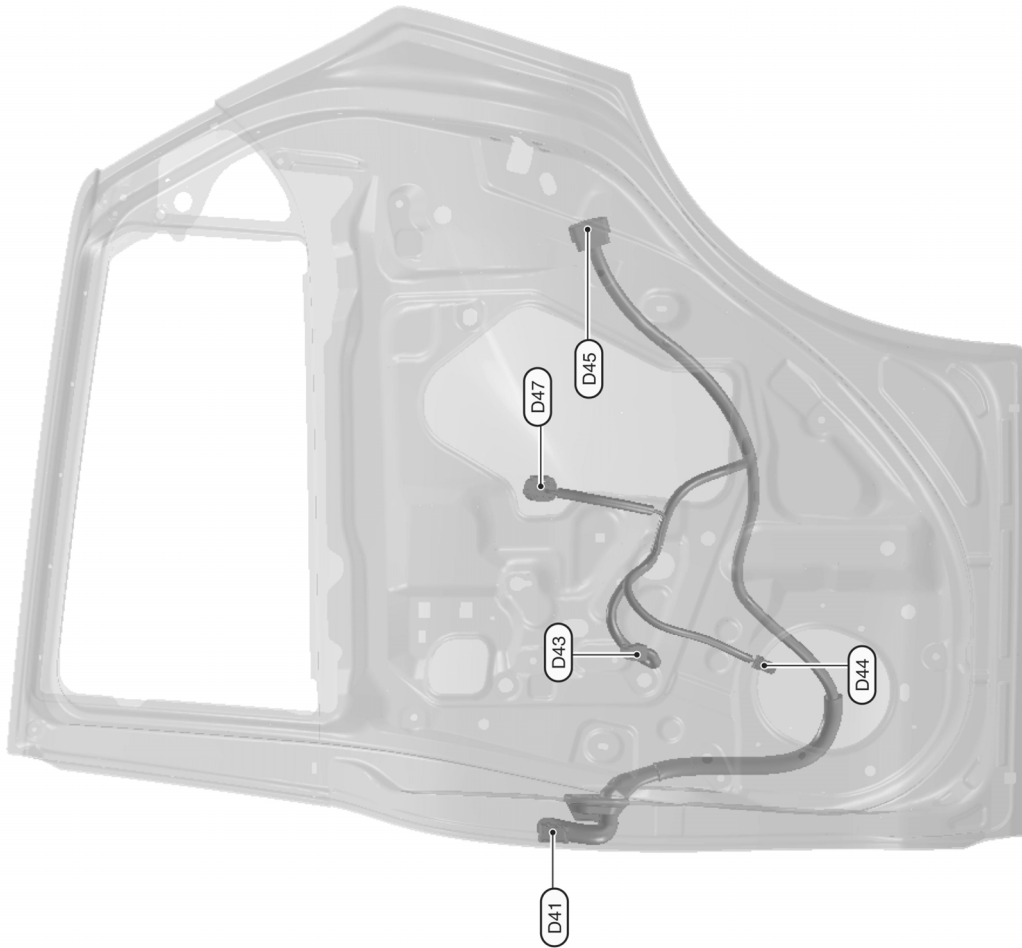
JRMIC2007GB

# HARNESS LAYOUT

< WIRING DIAGRAM >

REAR DOOR HARNESS (RH SIDE)

REAR DOOR HARNESS (RH SIDE)



2012/07/20

JRMIC2008GB

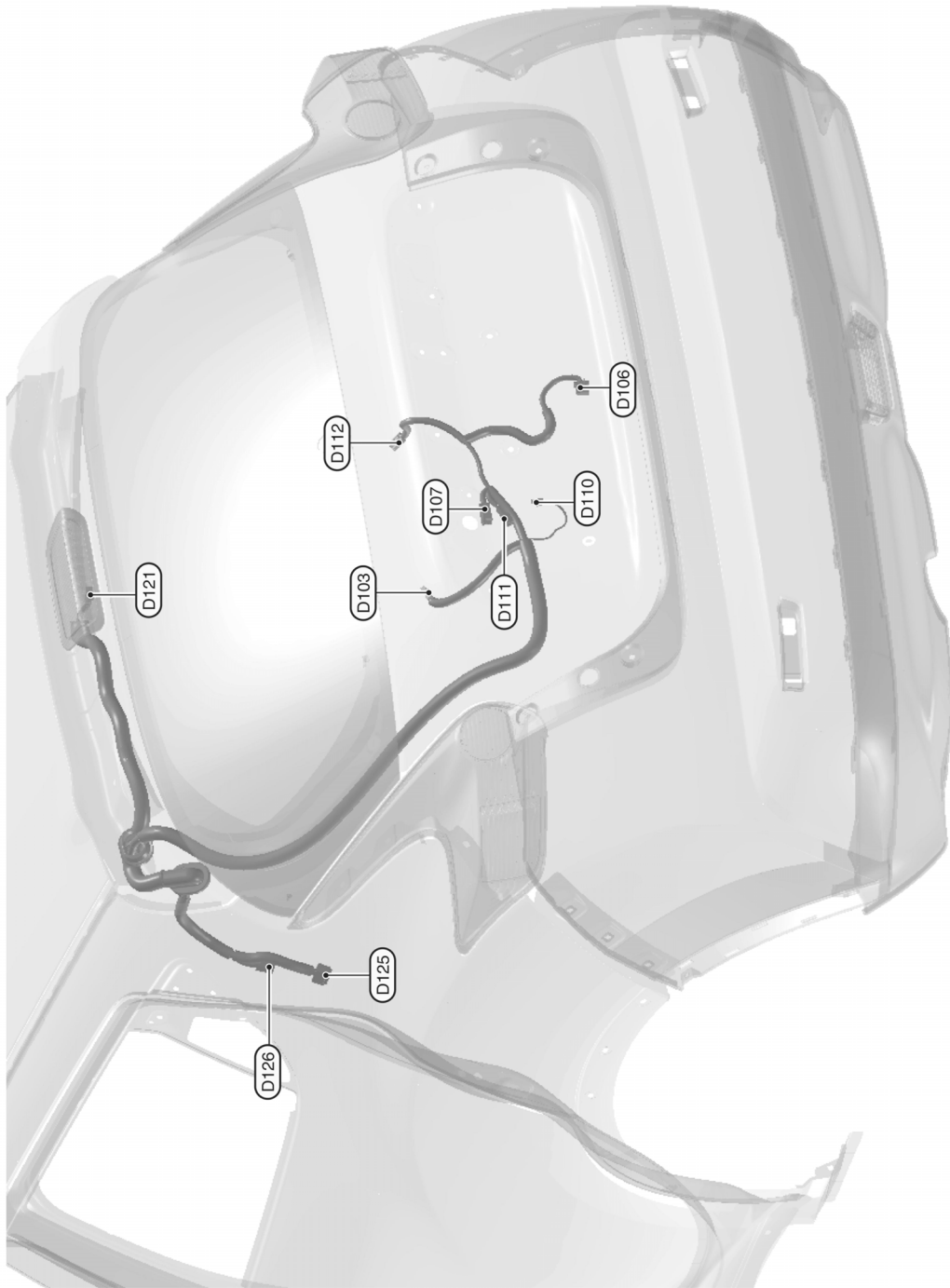
A  
B  
C  
D  
E  
F  
G  
H  
I  
J  
K  
L  
PG  
N  
O  
P

# HARNESS LAYOUT

< WIRING DIAGRAM >

## BACK DOOR HARNESS

BACK DOOR HARNESS



2012/07/20

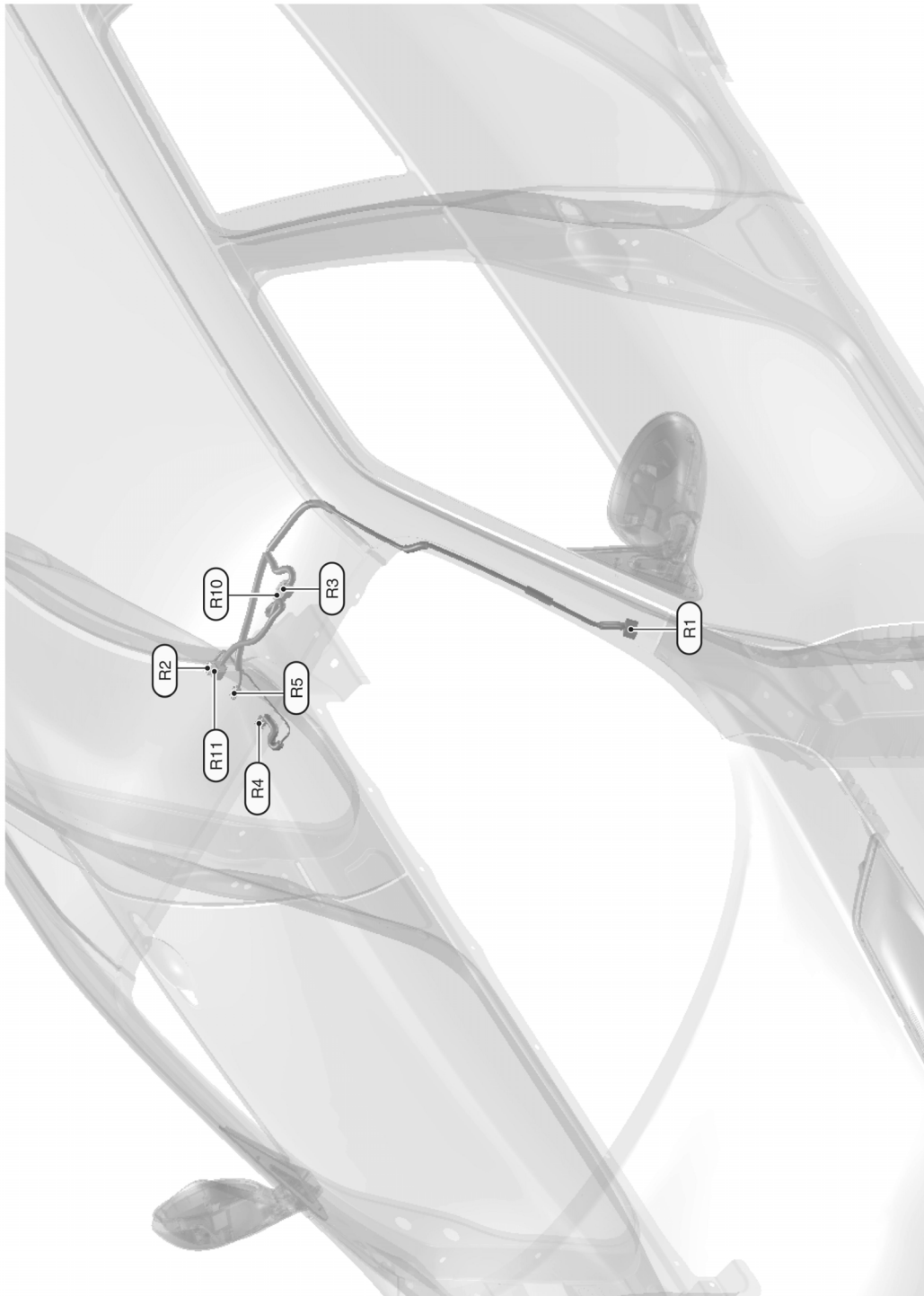
JRMIC2009GB

# HARNESS LAYOUT

< WIRING DIAGRAM >

## Room Lamp Harness

INFOID:0000000008273578



ROOM LAMP HARNESS

2012/07/20

JRMIC2010GB

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

## CONNECTOR INFORMATION

< WIRING DIAGRAM >

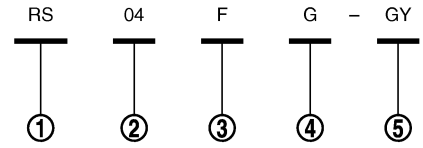
### CONNECTOR INFORMATION

#### How to Read Connector Type

INFOID:000000008273579

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

Example:



JPMIA0113GB

# CONNECTOR INFORMATION

< WIRING DIAGRAM >

## B Body Harness

INFOID:000000008273580

### BODY HARNESS

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



|    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|
| 1  | 2  | 3  | 4  | 5  | 6  | 7  |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |

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

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



|   |    |    |    |    |    |    |
|---|----|----|----|----|----|----|
| 1 | 2  | 3  | 4  | 5  | 6  | 7  |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 |

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

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

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



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

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

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



|    |    |   |   |   |
|----|----|---|---|---|
| 2  | 3  | 4 | 5 | 6 |
| 10 | 11 |   |   |   |

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

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



|   |
|---|
| 1 |
|---|

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

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



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

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

|                |              |
|----------------|--------------|
| Connector No.  | B8           |
| Connector Name | WIRE TO WIRE |
| Connector Type | NS04FW-CS    |



|   |   |   |   |
|---|---|---|---|
| 4 | 3 | 2 | 1 |
|---|---|---|---|

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

JRMWD7035GB

# CONNECTOR INFORMATION

< WIRING DIAGRAM >

## BODY HARNESS

|                |                           |
|----------------|---------------------------|
| Connector No.  | B9                        |
| Connector Name | BCM (BODY CONTROL MODULE) |
| Connector Type | FEA08FB-F1A6-SA           |



|    |    |    |    |    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|----|----|----|----|----|
| 41 | 42 | 43 | 44 | 45 | 47 | 48 | 49 | 50 | 53 | 54 | 55 |
|----|----|----|----|----|----|----|----|----|----|----|----|

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

|                |                           |
|----------------|---------------------------|
| Connector No.  | B10                       |
| Connector Name | BCM (BODY CONTROL MODULE) |
| Connector Type | FEA08FB-F1A6-SA           |



|    |    |    |    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|----|----|----|----|
| 43 | 44 | 45 | 46 | 47 | 48 | 49 | 51 | 53 | 54 | 55 |
|----|----|----|----|----|----|----|----|----|----|----|

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

|                |                                  |
|----------------|----------------------------------|
| Connector No.  | B11                              |
| Connector Name | LUGGAGE ROOM LAMP (LUGGAGE SIDE) |
| Connector Type | NSD2FN-CS                        |



|   |   |
|---|---|
| 1 | 2 |
|---|---|

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

|                |                               |
|----------------|-------------------------------|
| Connector No.  | B13                           |
| Connector Name | AIR BAG DIAGNOSIS SENSOR UNIT |
| Connector Type | NH2FTY-IV-EX                  |



|    |    |    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|----|----|----|
| 35 | 36 | 31 | 32 | 26 | 47 | 48 | 28 | 11 | 10 |
|----|----|----|----|----|----|----|----|----|----|

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

|                |                               |
|----------------|-------------------------------|
| Connector No.  | B14                           |
| Connector Name | AIR BAG DIAGNOSIS SENSOR UNIT |
| Connector Type | NH2FTY-2V-EX                  |



|    |    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|----|----|
| 12 | 13 | 20 | 50 | 49 | 33 | 34 | 38 | 37 |
|----|----|----|----|----|----|----|----|----|

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

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



|   |    |   |   |   |   |
|---|----|---|---|---|---|
| 4 | 10 | 9 | 8 | 7 | 5 |
|---|----|---|---|---|---|

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

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



|   |    |   |   |   |   |
|---|----|---|---|---|---|
| 4 | 10 | 9 | 8 | 7 | 5 |
|---|----|---|---|---|---|

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

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



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

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

JRMWD7036GB

## < WIRING DIAGRAM >

## BODY HARNESS

|                                                                                     |                                        |   |   |                                                                                     |                |                            |                        |
|-------------------------------------------------------------------------------------|----------------------------------------|---|---|-------------------------------------------------------------------------------------|----------------|----------------------------|------------------------|
| DO NOT REUSE                                                                        |                                        |   |   | DO NOT REUSE                                                                        |                |                            |                        |
| Connector No.                                                                       | B19                                    | 3 | G | -                                                                                   | Connector No.  | B29                        |                        |
| Connector Name                                                                      | WIRE TO WIRE                           |   |   |                                                                                     | Connector Name | SEAT BELT PRE-TENSIONER RH |                        |
| Connector Type                                                                      | M02MB-P-LC                             |   |   |                                                                                     | Connector Type | ACB02FY                    |                        |
|  |                                        |   |   |  |                |                            |                        |
| Connector No.                                                                       | B24                                    |   |   |                                                                                     |                | Connector No.              | B35                    |
| Connector Name                                                                      | OCCUPANT DETECTION SYSTEM CONTROL UNIT |   |   |                                                                                     |                | Connector Name             | SIDE AIR BAG MODULE LH |
| Connector Type                                                                      | TH08FW-NH                              |   |   |                                                                                     |                | Connector Type             | TK02FY-EX-1V           |
|  |                                        |   |   |  |                |                            |                        |
|                                                                                     |                                        |   |   | POWER SUPPLY                                                                        |                |                            |                        |

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

4

2

5

7

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

1

2

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

1

2

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 2            | R             | -                           |
| 4            | BR            | IGN                         |

Connector No. B21

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

Connector No. B30

[illegible]

|  |  |                             |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|
| Terminal No.                                                                      | Color of Wire                                                                     | Signal Name [Specification] |
| 1                                                                                 | R                                                                                 | -                           |
| 2                                                                                 | L                                                                                 | -                           |
| <b>Connector No. B22</b>                                                          |                                                                                   |                             |
| Terminal No.                                                                      | Color of Wire                                                                     | Signal Name [Specification] |
| 1                                                                                 | Y                                                                                 | -                           |
| 2                                                                                 | Y                                                                                 | -                           |
| <b>Connector No. B32</b>                                                          |                                                                                   |                             |
| Terminal No.                                                                      | Color of Wire                                                                     | Signal Name [Specification] |
| 1                                                                                 | G                                                                                 | -                           |
| 2                                                                                 | R                                                                                 | -                           |

|                |                                     |                             |                       |   |                                                                                     |
|----------------|-------------------------------------|-----------------------------|-----------------------|---|-------------------------------------------------------------------------------------|
| Connector No.  | B22                                 | Signal Name [Specification] | Color of terminal No. |   |  |
| Connector Name | EVAP CONTROL SYSTEM PRESSURE SENSOR |                             | 1                     | Y |                                                                                     |
| Connector Type | ED3FGY-HS                           |                             | 2                     | Y |                                                                                     |

|                |           |                             |                       |   |                                                                                     |
|----------------|-----------|-----------------------------|-----------------------|---|-------------------------------------------------------------------------------------|
| Connector No.  | B32       | Signal Name [Specification] | Color of terminal No. |   |  |
| Connector Name | G. SENSOR |                             | 1                     | Y |                                                                                     |
| Connector Type | HS03FB-2V |                             | 2                     | Y |                                                                                     |

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

JRMWD7037GB

# CONNECTOR INFORMATION

< WIRING DIAGRAM >

|                             |                                       |    |   |
|-----------------------------|---------------------------------------|----|---|
| <b>BODY HARNESS</b>         |                                       |    |   |
| Connector No.               | B37                                   |    |   |
| Connector Name              | LH SATELLITE SENSOR                   |    |   |
| Connector Type              | TH02FY-TV-EX                          |    |   |
| Terminal No.                | 1                                     | L  | - |
| Terminal No.                | 2                                     | P  | - |
| Color of Wire               |                                       |    |   |
| Signal Name [Specification] |                                       |    |   |
| Connector No.               | B44                                   |    |   |
| Connector Name              | REAR WHEEL SENSOR LH                  |    |   |
| Connector Type              | RH02MB                                |    |   |
| Terminal No.                | 1                                     | B  | - |
| Terminal No.                | 2                                     | BR | - |
| Color of Wire               |                                       |    |   |
| Signal Name [Specification] |                                       |    |   |
| Connector No.               | B38                                   |    |   |
| Connector Name              | YAW RATE / SIDE / DECEL G SENSOR      |    |   |
| Connector Type              | SC20FB                                |    |   |
| Terminal No.                | 1                                     | P  | - |
| Terminal No.                | 2                                     | L  | - |
| Color of Wire               |                                       |    |   |
| Signal Name [Specification] |                                       |    |   |
| Connector No.               | B41                                   |    |   |
| Connector Name              | REAR WHEEL SENSOR RH                  |    |   |
| Connector Type              | RH02MGY                               |    |   |
| Terminal No.                | 1                                     | L  | - |
| Terminal No.                | 2                                     | G  | - |
| Terminal No.                | 4                                     | B  | - |
| Terminal No.                | 5                                     | R  | - |
| Terminal No.                | 6                                     | W  | - |
| Color of Wire               |                                       |    |   |
| Signal Name [Specification] |                                       |    |   |
| Connector No.               | B46                                   |    |   |
| Connector Name              | FUEL LEVEL SENSOR UNIT AND FUEL PUMP  |    |   |
| Connector Type              | ED0FGY-RS                             |    |   |
| Terminal No.                | 1                                     | L  | - |
| Terminal No.                | 2                                     | P  | - |
| Color of Wire               |                                       |    |   |
| Signal Name [Specification] |                                       |    |   |
| Connector No.               | B47                                   |    |   |
| Connector Name              | AMD CONTROL MODULE                    |    |   |
| Connector Type              | TH20FW-TB6                            |    |   |
| Terminal No.                | 1                                     | G  | - |
| Terminal No.                | 2                                     | BR | - |
| Terminal No.                | 3                                     | B  | - |
| Terminal No.                | 4                                     | P  | - |
| Terminal No.                | 5                                     | L  | - |
| Color of Wire               |                                       |    |   |
| Signal Name [Specification] |                                       |    |   |
| Connector No.               | B49                                   |    |   |
| Connector Name              | FRONT DOOR SWITCH (PASSENGER SIDE)    |    |   |
| Connector Type              | A03FW                                 |    |   |
| Terminal No.                | 1                                     | R  | - |
| Terminal No.                | 2                                     | SB | - |
| Color of Wire               |                                       |    |   |
| Signal Name [Specification] |                                       |    |   |
| Connector No.               | B50                                   |    |   |
| Connector Name              | SEAT BELT BUCKLE SWITCH (DRIVER SIDE) |    |   |
| Connector Type              | TH04FW-NH                             |    |   |
| Terminal No.                | 1                                     | R  | - |
| Terminal No.                | 2                                     | R  | - |
| Color of Wire               |                                       |    |   |
| Signal Name [Specification] |                                       |    |   |
| Connector No.               | B48                                   |    |   |
| Connector Name              | FRONT DOOR SWITCH (DRIVER SIDE)       |    |   |
| Connector Type              | A03FW                                 |    |   |
| Terminal No.                | 1                                     | R  | - |
| Terminal No.                | 2                                     | B  | - |
| Color of Wire               |                                       |    |   |
| Signal Name [Specification] |                                       |    |   |

JRMWD7038GB



# CONNECTOR INFORMATION

< WIRING DIAGRAM >

## BODY HARNESS

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



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

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

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



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

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

|                |                                   |
|----------------|-----------------------------------|
| Connector No.  | BB2                               |
| Connector Name | INSIDE KEY ANTENNA (LUGGAGE ROOM) |
| Connector Type | FKG2FL                            |



|   |   |
|---|---|
| 1 | 2 |
|---|---|

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

|                |                                   |
|----------------|-----------------------------------|
| Connector No.  | BB3                               |
| Connector Name | OUTSIDE KEY ANTENNA (REAR BUMPER) |
| Connector Type | FKG2FL                            |



|   |   |
|---|---|
| 1 | 2 |
|---|---|

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

|                |                              |
|----------------|------------------------------|
| Connector No.  | BB4                          |
| Connector Name | REAR FINAL DRIVE SUB-HARNESS |
| Connector Type | HS08MB-PR                    |



|   |   |   |
|---|---|---|
| 8 | 6 | 2 |
| 4 |   |   |

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

|   |   |   |
|---|---|---|
| 6 | - | - |
| 8 | - | - |

|                |                                     |
|----------------|-------------------------------------|
| Connector No.  | BB5                                 |
| Connector Name | ELECTRIC CONTROLLED COUPLING (LEFT) |
| Connector Type | RS02FB                              |



|   |   |
|---|---|
| 8 | 4 |
|---|---|

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

|                |                                      |
|----------------|--------------------------------------|
| Connector No.  | BB6                                  |
| Connector Name | ELECTRIC CONTROLLED COUPLING (RIGHT) |
| Connector Type | RS02FGY                              |



|   |   |
|---|---|
| 6 | 2 |
|---|---|

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

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



|   |   |
|---|---|
| 3 | 1 |
|---|---|

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

|                |              |
|----------------|--------------|
| Connector No.  | B302         |
| Connector Name | ANTENNA BASE |
| Connector Type | GT16C-IPP-HU |



|   |
|---|
| 3 |
|---|

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

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



|   |   |
|---|---|
| 6 | 7 |
|---|---|

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

JRMWD7040GB

# CONNECTOR INFORMATION

< WIRING DIAGRAM >

## D Door Harness

INFOID:000000008273581

### DOOR HARNESS

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



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

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



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

|                |                                |
|----------------|--------------------------------|
| Connector No.  | D6                             |
| Connector Name | FRONT DOOR SATELLITE SENSOR RH |
| Connector Type | HK02FY-IV-EX                   |



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

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



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

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



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

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



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

|                |                                            |
|----------------|--------------------------------------------|
| Connector No.  | D15                                        |
| Connector Name | FRONT DOOR REQUEST SWITCH (PASSENGER SIDE) |
| Connector Type | RK02FGY                                    |



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

|                |                                           |
|----------------|-------------------------------------------|
| Connector No.  | D16                                       |
| Connector Name | FRONT POWER WINDOW MOTOR (PASSENGER SIDE) |
| Connector Type | RS08FG                                    |



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

|                |                                           |
|----------------|-------------------------------------------|
| Connector No.  | D17                                       |
| Connector Name | FRONT DOOR LOCK ASSEMBLY (PASSENGER SIDE) |
| Connector Type | EC08FGY-RS                                |



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

JRMWD7041GB

# CONNECTOR INFORMATION

< WIRING DIAGRAM >

## DOOR HARNESS

|                |              |
|----------------|--------------|
| Connector No.  | D22          |
| Connector Name | WIRE TO WIRE |
| Connector Type | TH08FW-CS15  |



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

|                |                       |
|----------------|-----------------------|
| Connector No.  | D24                   |
| Connector Name | FRONT DOOR SPEAKER LH |
| Connector Type | NS02FW-CS             |



|   |   |
|---|---|
| 2 | 1 |
|---|---|

|   |    |   |
|---|----|---|
| 3 | GR | - |
| 7 | BG | - |
| 8 | Y  | - |

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



|   |   |
|---|---|
| 1 | 2 |
|---|---|

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

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

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



|   |   |
|---|---|
| 1 | 2 |
|---|---|

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



|    |    |    |
|----|----|----|
| 17 | 18 | 19 |
|----|----|----|

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

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

|                |                           |
|----------------|---------------------------|
| Connector No.  | D29                       |
| Connector Name | DOOR MIRROR (DRIVER SIDE) |
| Connector Type | TH08MW-NH                 |



|   |   |   |
|---|---|---|
| 3 | 2 | 1 |
| 8 | 7 | - |

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

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

JRMWD7042GB

# CONNECTOR INFORMATION

< WIRING DIAGRAM >

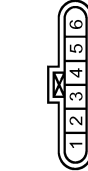
## DOOR HARNESS

|                |                                        |
|----------------|----------------------------------------|
| Connector No.  | D37                                    |
| Connector Name | FRONT POWER WINDOW MOTOR (DRIVER SIDE) |
| Connector Type | PSDBFG                                 |



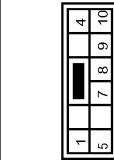
| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | G             | -                           |
| 2            | R             | -                           |
| 3            | GR            | -              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

|                |                                        |
|----------------|----------------------------------------|
| Connector No.  | D38                                    |
| Connector Name | FRONT DOOR LOCK ASSEMBLY (DRIVER SIDE) |
| Connector Type | E0BFQY-RS                              |



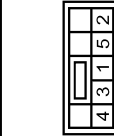
| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | V             | -                           |
| 2            | SB            | -                           |
| 3            | G             | -              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

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



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

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



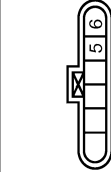
| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | L             | -                           |
| 2            | BR            | -                           |
| 3            | Y             | -              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

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



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

|                |                            |
|----------------|----------------------------|
| Connector No.  | D45                        |
| Connector Name | REAR DOOR LOCK ASSEMBLY RH |
| Connector Type | E0BFQY-RS                  |



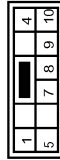
| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 5            | V             | -                           |
| 6            | G             | -                           |

|                |                            |
|----------------|----------------------------|
| Connector No.  | D47                        |
| Connector Name | REAR POWER WINDOW MOTOR RH |
| Connector Type | PSDBFG                     |



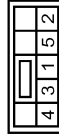
| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | G             | -                           |
| 3            | R             | -                           |

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



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

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



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

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## DOOR HARNESS

|                |                      |
|----------------|----------------------|
| Connector No.  | D84                  |
| Connector Name | REAR DOOR SPEAKER LH |
| Connector Type | NS02FW-GS            |



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

|                |                            |
|----------------|----------------------------|
| Connector No.  | D65                        |
| Connector Name | REAR DOOR LOCK ASSEMBLY LH |
| Connector Type | E08FGY-RS                  |



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

|                |                            |
|----------------|----------------------------|
| Connector No.  | D67                        |
| Connector Name | REAR POWER WINDOW MOTOR LH |
| Connector Type | RS06F-G                    |



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

|                |           |
|----------------|-----------|
| Connector No.  | D103      |
| Connector Name | CONDENSER |
| Connector Type | P01FB-A   |



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

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



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

|                |                         |
|----------------|-------------------------|
| Connector No.  | D107                    |
| Connector Name | BACK DOOR OPENER SWITCH |
| Connector Type | TK06MM-1V               |



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

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



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



|   |   |   |
|---|---|---|
|   |   |   |
|   | ← |   |
| 1 | 2 | 3 |
| 4 |   |   |

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



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



|   |   |   |
|---|---|---|
| 3 | 2 | 1 |
|---|---|---|

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

|                |                        |
|----------------|------------------------|
| Connector No.  | D121                   |
| Connector Name | HIGH-MOUNTED STOP LAMP |
| Connector Type | T020FW                 |



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

|                |              |
|----------------|--------------|
| Connector No.  | D125         |
| Connector Name | WIRE TO WIRE |
| Connector Type | MS12FW-OS    |



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

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

CONNECTOR INFORMATION

< WIRING DIAGRAM >

# DOOR HARNESS

|                |              |
|----------------|--------------|
| Connector No.  | D126         |
| Connector Name | WIRE TO WIRE |
| Connector Type | M02FB-LC     |

|   |   |
|---|---|
| 2 | 1 |
|---|---|

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

|                |           |
|----------------|-----------|
| Connector No.  | D201      |
| Connector Name | CONDENSER |
| Connector Type | P01FB-A   |

|   |
|---|
| 2 |
|---|

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

|                |                      |
|----------------|----------------------|
| Connector No.  | D202                 |
| Connector Name | REAR WINDOW DEFOGGER |
| Connector Type | P01FB-A              |

|   |
|---|
| 1 |
|---|

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

|                |                      |
|----------------|----------------------|
| Connector No.  | D203                 |
| Connector Name | REAR WINDOW DEFOGGER |
| Connector Type | P01FB-A              |

|   |
|---|
| 2 |
|---|

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

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

# CONNECTOR INFORMATION

< WIRING DIAGRAM >

## E Engine Room Harness

INFOID:000000008273582

### ENGINE ROOM HARNESS

|                |                                    |
|----------------|------------------------------------|
| Connector No.  | E1                                 |
| Connector Name | BATTERY TERMINAL WITH FUSE/LE LINK |
| Connector Type | LOFGY-MC                           |



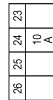
| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 3            | G             | -                           |
| 4            | W             | -                           |

|                |                                    |
|----------------|------------------------------------|
| Connector No.  | E2                                 |
| Connector Name | BATTERY TERMINAL WITH FUSE/LE LINK |
| Connector Type | LOFBR-MC                           |



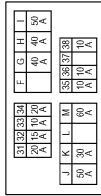
| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | R             | -                           |
| 2            | W             | -                           |

|                |             |
|----------------|-------------|
| Connector No.  | E3          |
| Connector Name | FUSE HOLDER |
| Connector Type | 24380-5P600 |



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

|                |                             |
|----------------|-----------------------------|
| Connector No.  | E4                          |
| Connector Name | FUSE AND FUSIBLE LINK BLOCK |
| Connector Type | 24381-05900                 |



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

|                |                   |
|----------------|-------------------|
| Connector No.  | E5                |
| Connector Name | HORN RELAY        |
| Connector Type | Relay 24381-05900 |



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

|                |           |
|----------------|-----------|
| Connector No.  | E6        |
| Connector Name | HORN HIGH |
| Connector Type | P01FB-A   |



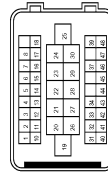
| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | G             | -                           |

|                |           |
|----------------|-----------|
| Connector No.  | E7        |
| Connector Name | HORN HIGH |
| Connector Type | P01FB-A   |



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

|                |                   |
|----------------|-------------------|
| Connector No.  | E8                |
| Connector Name | WIRE TO WIRE      |
| Connector Type | SAA36MB-RS1D-SJ22 |



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

|    |        |   |
|----|--------|---|
| 5  | O      | - |
| 6  | V      | - |
| 7  | BR     | - |
| 8  | SB     | - |
| 10 | R      | - |
| 11 | O      | - |
| 12 | G      | - |
| 13 | O      | - |
| 14 | Y      | - |
| 15 | R      | - |
| 16 | SB     | - |
| 17 | GR     | - |
| 18 | W      | - |
| 19 | L/B    | - |
| 20 | L/W    | - |
| 21 | G      | - |
| 22 | G      | - |
| 23 | SHIELD | - |
| 24 | P      | - |
| 25 | R      | - |
| 26 | B      | - |
| 27 | B      | - |
| 28 | LG     | - |
| 29 | SB     | - |
| 30 | R      | - |
| 31 | G      | - |
| 32 | Y      | - |
| 33 | BR     | - |
| 34 | W      | - |
| 37 | L      | - |
| 39 | B      | - |
| 40 | P      | - |
| 41 | V      | - |
| 42 | L      | - |
| 43 | BR     | - |
| 44 | G      | - |
| 45 | BR     | - |
| 46 | Y      | - |
| 47 | SB     | - |
| 48 | LG     | - |

# CONNECTOR INFORMATION

< WIRING DIAGRAM >

## ENGINE ROOM HARNESS

|                |                                                               |
|----------------|---------------------------------------------------------------|
| Connector No.  | E9                                                            |
| Connector Name | FROM E/R INTELLIGENT POWER DISTRIBUTION MODULE<br>ENGINE ROOM |
| Connector Type | L07FB-MC                                                      |



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

|                |                                                               |
|----------------|---------------------------------------------------------------|
| Connector No.  | E10                                                           |
| Connector Name | FROM E/R INTELLIGENT POWER DISTRIBUTION MODULE<br>ENGINE ROOM |
| Connector Type | M06FW-LC                                                      |



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

|                |                                                               |
|----------------|---------------------------------------------------------------|
| Connector No.  | E11                                                           |
| Connector Name | FROM E/R INTELLIGENT POWER DISTRIBUTION MODULE<br>ENGINE ROOM |
| Connector Type | M06FB-LC                                                      |



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

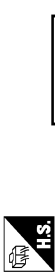
|    |   |   |
|----|---|---|
| 14 | R | - |
|----|---|---|

|                |                                                               |
|----------------|---------------------------------------------------------------|
| Connector No.  | E12                                                           |
| Connector Name | FROM E/R INTELLIGENT POWER DISTRIBUTION MODULE<br>ENGINE ROOM |
| Connector Type | NSD8FB-CS                                                     |



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

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



| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 23           | SB            | -                           |
| 25           | BR            | -                           |
| 26           | P             | -                           |
| 27           | L             | -                           |
| 28           | Y             | -                           |
| 30           | V             | -                           |
| 31           | Y             | -                           |
| 33           | G             | -                           |
| 34           | L             | -                           |

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



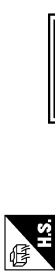
| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 35           | G             | -                           |
| 38           | P             | -                           |
| 39           | L             | -              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

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



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

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



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

# CONNECTOR INFORMATION

< WIRING DIAGRAM >

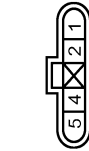
## ENGINE ROOM HARNESS

|                |                  |
|----------------|------------------|
| Connector No.  | E18              |
| Connector Name | ECM              |
| Connector Type | R124FGY-R28-R-RH |



| Terminal No. | Color of Wire | Signal Name [Specification]                         |
|--------------|---------------|-----------------------------------------------------|
| 99           | P             | CAN COMMUNICATION LINE (CAN-L)                      |
| 100          | L             | CAN COMMUNICATION LINE (CAN-H)                      |
| 101          | V             | SENSOR POWER SUPPLY                                 |
| 102          | R             | ACCELERATOR PEDAL POSITION SENSOR 1                 |
| 103          | BR            | PNP SIGNAL                                          |
| 104          | R             | DATA LINK CONNECTOR                                 |
| 105          | GR            | SENSOR GROUND (ACCELERATOR PEDAL POSITION SENSOR 1) |
| 106          | Y             | POWER SUPPLY FOR ECM (BACKUP)                       |
| 108          | GR            | CLUTCH PEDAL POSITION SWITCH                        |
| 109          | O             | IGNITION SWITCH                                     |
| 110          | P             | ASCD STEERING SWITCH                                |
| 111          | B             | SENSOR GROUND                                       |
| 112          | BR            | ECM RELAY (SELF SHUT-OFF)                           |
| 115          | SB            | STOP LAMP SWITCH                                    |
| 116          | G             | BRAKE PEDAL POSITION SWITCH                         |
| 117          | Y             | FUEL PUMP RELAY                                     |
| 118          | O             | SENSOR POWER SUPPLY                                 |
| 119          | BR            | ACCELERATOR PEDAL POSITION SENSOR 2                 |
| 120          | Y             | SENSOR GROUND                                       |
| 121          | G             | POWER SUPPLY FOR ECM                                |
| 122          | GR            | THROTTLE CONTROL MOTOR POWER SUPPLY                 |
| 123          | B/Y           | ECM GROUND                                          |
| 124          | B/Y           | ECM GROUND                                          |
| 125          | L             | A/F SENSOR 1 HEATER                                 |
| 126          | W             | HEATED OXYGEN SENSOR 2 HEATER                       |
| 127          | B/Y           | ECM GROUND                                          |

|                |                   |
|----------------|-------------------|
| Connector No.  | E20               |
| Connector Name | FRONT WIPER MOTOR |
| Connector Type | FXH05FGY-B        |



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

|                |                       |
|----------------|-----------------------|
| Connector No.  | E22                   |
| Connector Name | FRONT WHEEL SENSOR LH |
| Connector Type | FRH02FGY              |



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

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



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

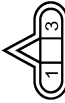
|   |   |   |
|---|---|---|
| 1 | V | - |
| 2 | B | - |

|                |                 |
|----------------|-----------------|
| Connector No.  | E24             |
| Connector Name | PARKING LAMP LH |
| Connector Type | TD2FB           |



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

|                |                                |
|----------------|--------------------------------|
| Connector No.  | E25                            |
| Connector Name | INTELLIGENT KEY WARNING BUZZER |
| Connector Type | IRK03FBR                       |



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

|                |             |
|----------------|-------------|
| Connector No.  | E26         |
| Connector Name | HEADLAMP LH |
| Connector Type | UD03FB      |



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

|                |                           |
|----------------|---------------------------|
| Connector No.  | E27                       |
| Connector Name | FRONT TURN SIGNAL LAMP LH |
| Connector Type | ZD2FGY                    |



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

|                |                         |
|----------------|-------------------------|
| Connector No.  | E29                     |
| Connector Name | CLUTCH INTERLOCK SWITCH |
| Connector Type | MC4FW-LC                |



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

JRMWD7048GB

# CONNECTOR INFORMATION

< WIRING DIAGRAM >

## ENGINE ROOM HARNESS

|                                                                                         |                             |                             |              |              |
|-----------------------------------------------------------------------------------------|-----------------------------|-----------------------------|--------------|--------------|
| <div>Connector No.</div> <div>Connector Name</div> <div>Connector Type</div>            | E30                         | FRONT FOG LAMP LH           | <div> </div> | <div> </div> |
|                                                                                         | Front Fog Lamp LH           | Front Fog Lamp LH           |              |              |
|                                                                                         | Front Fog Lamp LH           | Front Fog Lamp LH           |              |              |
| <div>Connector No.</div> <div>Connector Name</div> <div>Connector Type</div>            | E33                         | GRASH ZONE SENSOR           | <div> </div> | <div> </div> |
|                                                                                         | Grash Zone Sensor           | Grash Zone Sensor           |              |              |
|                                                                                         | Grash Zone Sensor           | Grash Zone Sensor           |              |              |
| <div>Connector No.</div> <div>Connector Name</div> <div>Connector Type</div>            | E37                         | BRAKE FLUID LEVEL SWITCH    | <div> </div> | <div> </div> |
|                                                                                         | Brake Fluid Level Switch    | Brake Fluid Level Switch    |              |              |
|                                                                                         | Brake Fluid Level Switch    | Brake Fluid Level Switch    |              |              |
| <div>Terminal No.</div> <div>Color of Wire</div> <div>Signal Name [Specification]</div> | 1                           | V                           | <div> </div> | <div> </div> |
|                                                                                         | 2                           | B/R                         |              |              |
|                                                                                         | Signal Name [Specification] | Signal Name [Specification] |              |              |
| <div>Connector No.</div> <div>Connector Name</div> <div>Connector Type</div>            | E31                         | FRONT SIDE MARKER LAMP LH   | <div> </div> | <div> </div> |
|                                                                                         | Front Side Marker Lamp LH   | Front Side Marker Lamp LH   |              |              |
|                                                                                         | Front Side Marker Lamp LH   | Front Side Marker Lamp LH   |              |              |
| <div>Terminal No.</div> <div>Color of Wire</div> <div>Signal Name [Specification]</div> | 1                           | L                           | <div> </div> | <div> </div> |
|                                                                                         | 2                           | B/R                         |              |              |
|                                                                                         | Signal Name [Specification] | Signal Name [Specification] |              |              |
| <div>Connector No.</div> <div>Connector Name</div> <div>Connector Type</div>            | E32                         | FRONT SIDE MARKER LAMP RH   | <div> </div> | <div> </div> |
|                                                                                         | Front Side Marker Lamp RH   | Front Side Marker Lamp RH   |              |              |
|                                                                                         | Front Side Marker Lamp RH   | Front Side Marker Lamp RH   |              |              |
| <div>Terminal No.</div> <div>Color of Wire</div> <div>Signal Name [Specification]</div> | 1                           | L                           | <div> </div> | <div> </div> |
|                                                                                         | 2                           | B/R                         |              |              |
|                                                                                         | Signal Name [Specification] | Signal Name [Specification] |              |              |
| <div>Connector No.</div> <div>Connector Name</div> <div>Connector Type</div>            | E40                         | SIDE TURN SIGNAL LAMP RH    | <div> </div> | <div> </div> |
|                                                                                         | Side Turn Signal Lamp RH    | Side Turn Signal Lamp RH    |              |              |
|                                                                                         | Side Turn Signal Lamp RH    | Side Turn Signal Lamp RH    |              |              |
| <div>Terminal No.</div> <div>Color of Wire</div> <div>Signal Name [Specification]</div> | 1                           | Y                           | <div> </div> | <div> </div> |
|                                                                                         | 2                           | B                           |              |              |
|                                                                                         | Signal Name [Specification] | Signal Name [Specification] |              |              |
| <div>Connector No.</div> <div>Connector Name</div> <div>Connector Type</div>            | E41                         | WASHER PUMP                 | <div> </div> | <div> </div> |
|                                                                                         | Washer Pump                 | Washer Pump                 |              |              |
|                                                                                         | Washer Pump                 | Washer Pump                 |              |              |
| <div>Terminal No.</div> <div>Color of Wire</div> <div>Signal Name [Specification]</div> | 1                           | V                           | <div> </div> | <div> </div> |
|                                                                                         | 2                           | O                           |              |              |
|                                                                                         | Signal Name [Specification] | Signal Name [Specification] |              |              |
| <div>Connector No.</div> <div>Connector Name</div> <div>Connector Type</div>            | E43                         | PARKING LAMP RH             | <div> </div> | <div> </div> |
|                                                                                         | Parking Lamp RH             | Parking Lamp RH             |              |              |
|                                                                                         | Parking Lamp RH             | Parking Lamp RH             |              |              |
| <div>Terminal No.</div> <div>Color of Wire</div> <div>Signal Name [Specification]</div> | 1                           | L                           | <div> </div> | <div> </div> |
|                                                                                         | 2                           | B                           |              |              |
|                                                                                         | Signal Name [Specification] | Signal Name [Specification] |              |              |

JRMWD7049GB

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

PG

# CONNECTOR INFORMATION

< WIRING DIAGRAM >

## ENGINE ROOM HARNESS

|                |             |
|----------------|-------------|
| Connector No.  | E48         |
| Connector Name | HEADLAMP RH |
| Connector Type | U03FB       |



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

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



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

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



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

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



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

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



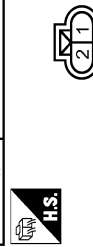
| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | G             | -                           |

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



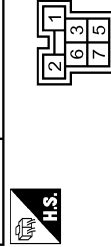
| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 2            | B/R           | -                           |

|                |                |
|----------------|----------------|
| Connector No.  | E53            |
| Connector Name | AMBIENT SENSOR |
| Connector Type | RS02FB         |



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

|                |                     |
|----------------|---------------------|
| Connector No.  | E57                 |
| Connector Name | FUEL INJECTOR RELAY |
| Connector Type | M06FBF-F-LC         |



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

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

|                |                               |
|----------------|-------------------------------|
| Connector No.  | E58                           |
| Connector Name | HIGH PRESSURE FUEL PUMP RELAY |
| Connector Type | MS02FL-M2-LC                  |



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

|                |               |
|----------------|---------------|
| Connector No.  | E59           |
| Connector Name | STARTER MOTOR |
| Connector Type | 24340 EN013   |



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

JRMWD7050GB

# CONNECTOR INFORMATION

< WIRING DIAGRAM >

## ENGINE ROOM HARNESS

Connector No.

E64

Connector Name

DAYTIME RUNNING LIGHT RELAY 1

Connector Type

MS2ZFL-M2-LC

HS

3

5

2

1

Terminal No.

Color of Wire

Signal Name [Specification]

1

B

-

2

P

-

3

SB

-

5

P

-

Connector No.

E65

Connector Name

DAYTIME RUNNING LIGHT RELAY 2

Connector Type

MS3ZFB-M2-LC

HS

3

5

2

4

1

Terminal No.

Color of Wire

Signal Name [Specification]

1

LG

-

2

Y

-

3

W

-

4

B

-

5

LG

-

Connector No.

E66

Connector Name

WIRE TO WIRE

Connector Type

FRH3FB

HS

3

2

Terminal No.

Color of Wire

Signal Name [Specification]

2

L

-

3

W

-

Connector No.

E67

Connector Name

WIRE TO WIRE

Connector Type

X2ZFB

HS

2

1

Terminal No.

Color of Wire

Signal Name [Specification]

2

L

-

3

W

-

Connector No.

E68

Connector Name

ALTERNATOR

Connector Type

24340-55F45

HS

1

Terminal No.

Color of Wire

Signal Name [Specification]

1

R

-

2

B

-

Connector No.

E69

Connector Name

BATTERY TERMINAL WITH FUSIBLE LINK

Connector Type

24340-79506

HS

5

Terminal No.

Color of Wire

Signal Name [Specification]

5

B/R

-

Connector No.

E71

Connector Name

WASHER LEVEL SWITCH

Connector Type

HS2FW-B

HS

2

1

Terminal No.

Color of Wire

Signal Name [Specification]

5

B/R

-

Connector No.

E76

Connector Name

DAYTIME RUNNING LIGHT LH

Connector Type

FRS2ZFB

HS

2

1

Terminal No.

Color of Wire

Signal Name [Specification]

1

G

-

2

B/R

-

Connector No.

E101

Connector Name

ACCELERATOR PEDAL POSITION SENSOR

Connector Type

FRH3FB

HS

1

2

3

4

5

6

Terminal No.

Color of Wire

Signal Name [Specification]

1

Y

-

2

GR

-

3

R

-

4

V

-

5

O

-

6

W

-

Connector No.

E101

Connector Name

ACCELERATOR PEDAL POSITION SENSOR

Connector Type

FRH3FB

HS

1

2

3

4

5

6

Terminal No.

Color of Wire

Signal Name [Specification]

1

Y

-

2

GR

-

3

R

-

4

V

-

5

O

-

6

W

-

JRMWD7051GB

A  
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PG  
N  
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P

## < WIRING DIAGRAM >

|                |                  |
|----------------|------------------|
| Connector No.  | E102             |
| Connector Name | STOP LAMP SWITCH |
| Connector Type | M04FW-LC         |



H.S.

|   |   |
|---|---|
|   |   |
| 3 | 4 |
| 1 | 2 |

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

|                |                 |
|----------------|-----------------|
| Connector No.  | E105            |
| Connector Name | WIRE TO WIRE    |
| Connector Type | TH80MW-CS16-TM4 |

[illegible]

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

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

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

|                |              |
|----------------|--------------|
| Connector No.  | E107         |
| Connector Name | WIRE TO WIRE |
| Connector Type | TH24MW-NH    |

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

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

|                |              |
|----------------|--------------|
| Connector No.  | E108         |
| Connector Name | WIRE TO WIRE |
| Connector Type | NSCMM-CS     |

| Terminal | Color | Signal Name [Specification] |
|----------|-------|-----------------------------|
|----------|-------|-----------------------------|

# CONNECTOR INFORMATION

< WIRING DIAGRAM >

## ENGINE ROOM HARNESS

|                |                  |
|----------------|------------------|
| Connector No.  | E118             |
| Connector Name | STOP LAMP SWITCH |
| Connector Type | M02FE-LC         |



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

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



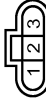
| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 2            | R/Y           | -                           |
| 3            | W/L           | -                           |

|                |              |
|----------------|--------------|
| Connector No.  | E202         |
| Connector Name | WIRE TO WIRE |
| Connector Type | X03MB        |



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

|                |                            |
|----------------|----------------------------|
| Connector No.  | E203                       |
| Connector Name | COOLING FAN CONTROL MODULE |
| Connector Type | SJZ01FGY-SNZ2              |



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

|                |                   |
|----------------|-------------------|
| Connector No.  | E204              |
| Connector Name | COOLING FAN RELAY |
| Connector Type | 24347 JF500       |



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

|                |                                                  |
|----------------|--------------------------------------------------|
| Connector No.  | E301                                             |
| Connector Name | COOLING FAN CONTROL MODULE (COOLING FAN MOTOR-1) |
| Connector Type | 6188-0259                                        |



| 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 | 6188-0259                                        |



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

JRMWD7053GB

A  
B  
C  
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E  
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J  
K  
L  
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O  
P

# CONNECTOR INFORMATION

< WIRING DIAGRAM >

## F Engine Control Harness

INFOID:000000008273583

### ENGINE CONTROL HARNESS

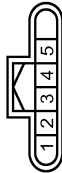
|                |                   |
|----------------|-------------------|
| Connector No.  | F1                |
| Connector Name | WIRE TO WIRE      |
| Connector Type | SAA30FB-RS10-SJZ2 |



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

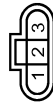
|    |    |   |
|----|----|---|
| 43 | L  | - |
| 44 | G  | - |
| 45 | BR | - |
| 46 | R  | - |
| 47 | Y  | - |
| 48 | GR | - |

|                |                      |
|----------------|----------------------|
| Connector No.  | F4                   |
| Connector Name | MASS AIR FLOW SENSOR |
| Connector Type | RH00FB               |



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

|                |                           |
|----------------|---------------------------|
| Connector No.  | F5                        |
| Connector Name | FUEL RAIL PRESSURE SENSOR |
| Connector Type | AF20FB                    |



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

|                |               |
|----------------|---------------|
| Connector No.  | F10           |
| Connector Name | STARTER MOTOR |
| Connector Type | 24300 ED024   |



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

|                |               |
|----------------|---------------|
| Connector No.  | F12           |
| Connector Name | KNOCK SENSOR  |
| Connector Type | BS02FGY B-4HY |



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

|                |           |
|----------------|-----------|
| Connector No.  | F13       |
| Connector Name | CONDENSER |
| Connector Type | M02FW-LG  |



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

|                |            |
|----------------|------------|
| Connector No.  | F15        |
| Connector Name | ALTERNATOR |
| Connector Type | HS03FB     |



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

|                |            |
|----------------|------------|
| Connector No.  | F17        |
| Connector Name | COMPRESSOR |
| Connector Type | RS01FB     |



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

JRMWD7054GB

# CONNECTOR INFORMATION

< WIRING DIAGRAM >

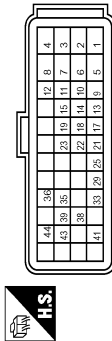
## ENGINE CONTROL HARNESS

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



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

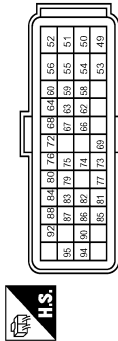
|                |                 |
|----------------|-----------------|
| Connector No.  | F25             |
| Connector Name | ECM             |
| Connector Type | RH4UFB-R28-L-RH |



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

|    |        |                               |
|----|--------|-------------------------------|
| 22 | Y      | ENGINE OIL TEMPERATURE SENSOR |
| 23 | W      | SENSOR POWER SUPPLY           |
| 25 | B      | A/F SENSOR 1                  |
| 29 | W      | HEATED OXYGEN SENSOR 2        |
| 33 | R      | SENSOR GROUND                 |
| 35 | SHIELD | SENSOR GROUND                 |
| 36 | W      | KNOCK SENSOR                  |
| 38 | B      | SHIELD                        |
| 39 | R      | SENSOR POWER SUPPLY           |
| 41 | W      | TURBOCHARGER BOOST SENSOR     |
| 43 | G      | ENGINE OIL PRESSURE SENSOR    |
| 44 | SB     | SENSOR GROUND                 |

|                |                 |
|----------------|-----------------|
| Connector No.  | F26             |
| Connector Name | ECM             |
| Connector Type | RH40FB-R28-L-RH |



| Terminal No. | Color of Wire | Signal Name [Specification]                  |
|--------------|---------------|----------------------------------------------|
| 49           | G             | FUEL INJECTOR DRIVER POWER SUPPLY 1          |
| 50           | B             | ECM GROUND (HIGH PRESSURE FUEL PUMP)         |
| 51           | GR            | THROTTLE CONTROL MOTOR (OPEN)                |
| 52           | BR            | THROTTLE CONTROL MOTOR (CLOSE)               |
| 53           | BR            | FUEL INJECTOR DRIVER POWER SUPPLY 2          |
| 54           | R             | HIGH PRESSURE FUEL PUMP DRIVER POWER SUPPLY  |
| 55           | BR            | HIGH PRESSURE FUEL PUMP (HI)                 |
| 56           | Y             | HIGH PRESSURE FUEL PUMP (LO)                 |
| 58           | G             | SENSOR POWER SUPPLY                          |
| 59           | L             | SENSOR GROUND                                |
| 60           | W             | SENSOR GROUND                                |
| 62           | B             | SENSOR POWER SUPPLY                          |
| 63           | BR            | CAMSHAFT POSITION SENSOR (PHASE)             |
| 64           | R             | CAMSHAFT POSITION SENSOR (POS)               |
| 66           | SB            | STARTER RELAY CONTROL                        |
| 67           | LG            | EXHAUST VALVE TIMING CONTROL POSITION SENSOR |
| 68           | Y             | SENSOR POWER SUPPLY                          |
| 69           | L             | EVAP CANISTER VENT CONTROL VALVE             |
| 72           | GR            | SENSOR POWER SUPPLY                          |
| 73           | BR            | TURBOCHARGER BOOST CONTROL SOLENOID VALVE    |
| 74           | R             | SENSOR GROUND                                |
| 75           | G             | THROTTLE POSITION SENSOR 1                   |
| 76           | W             | THROTTLE POSITION SENSOR 2                   |
| 77           | Y             | THROTTLE CONTROL RELAY                       |

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

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



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

|                |                                   |
|----------------|-----------------------------------|
| Connector No.  | F28                               |
| Connector Name | ENGINE COOLANT TEMPERATURE SENSOR |
| Connector Type | ED02GY-RS                         |



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

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



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

|                |                                             |
|----------------|---------------------------------------------|
| Connector No.  | F33                                         |
| Connector Name | IGNITION COIL No. 1 (WITH POWER TRANSISTOR) |
| Connector Type | ED03GY-RS                                   |



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

# CONNECTOR INFORMATION

< WIRING DIAGRAM >

## ENGINE CONTROL HARNESS

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



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

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



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

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



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

|   |    |   |
|---|----|---|
| 1 | SB | - |
| 2 | B  | - |
| 3 | R  | - |

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



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

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



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

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



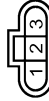
| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | SB            | -                           |
| 2            | G             | -                           |
| 3            | R             | -              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

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



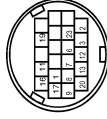
| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | Y             | -                           |
| 2            | P             | -                           |

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



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

|                |                      |
|----------------|----------------------|
| Connector No.  | F51                  |
| Connector Name | CVT UNIT             |
| Connector Type | Yazaki, 7283-8730-30 |



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

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



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

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# CONNECTOR INFORMATION

< WIRING DIAGRAM >

## ENGINE CONTROL HARNESS

|                |                          |
|----------------|--------------------------|
| Connector No.  | F53                      |
| Connector Name | HIGHT PRESSURE FUEL PUMP |
| Connector Type | HS02FGY-YR               |



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

|                |                                           |
|----------------|-------------------------------------------|
| Connector No.  | F54                                       |
| Connector Name | TURBOCHARGER BOOST CONTROL SOLENOID VALVE |
| Connector Type | E02FL-RS-LGY                              |



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

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



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

|   |    |   |
|---|----|---|
| 3 | LG | - |
|---|----|---|

|                |                     |
|----------------|---------------------|
| Connector No.  | F65                 |
| Connector Name | FUEL INJECTOR No. 1 |
| Connector Type | HS02FGY             |



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

|                |                     |
|----------------|---------------------|
| Connector No.  | F66                 |
| Connector Name | FUEL INJECTOR No. 2 |
| Connector Type | HS02FGY             |



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

|                |                     |
|----------------|---------------------|
| Connector No.  | F67                 |
| Connector Name | FUEL INJECTOR No. 3 |
| Connector Type | HS02FGY             |



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

|                |                     |
|----------------|---------------------|
| Connector No.  | F68                 |
| Connector Name | FUEL INJECTOR No. 4 |
| Connector Type | HS02FGY             |



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

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



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

|                |                               |
|----------------|-------------------------------|
| Connector No.  | F70                           |
| Connector Name | AIR FUEL RATIO (A/F) SENSOR 1 |
| Connector Type | FR04MLGY                      |



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

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



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

JRMWD7057GB

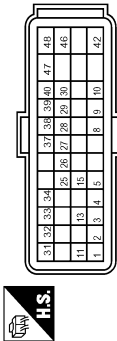
A  
B  
C  
D  
E  
F  
G  
H  
I  
J  
K  
L  
PG  
N  
O  
P

# CONNECTOR INFORMATION

< WIRING DIAGRAM >

## ENGINE CONTROL HARNESS

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



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

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



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

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



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

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



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

|   |   |   |
|---|---|---|
| 3 | G | - |
|---|---|---|

|                |                          |
|----------------|--------------------------|
| Connector No.  | F108                     |
| Connector Name | CAMSHAFT POSITION SENSOR |
| Connector Type | RH03FB                   |



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

|                |                                              |
|----------------|----------------------------------------------|
| Connector No.  | F110                                         |
| Connector Name | EXHAUST VALVE TIMING CONTROL POSITION SENSOR |
| Connector Type | RH03FB                                       |



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

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# CONNECTOR INFORMATION

< WIRING DIAGRAM >

## M Main Harness

INFOID:000000008273584

### MAIN HARNESS

|                |                  |
|----------------|------------------|
| Connector No.  | M1               |
| Connector Name | FUSE BLOCK (J/B) |
| Connector Type | LD1FW-MC         |



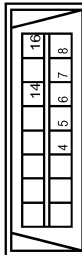
| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | W             | -                           |

|                |                  |
|----------------|------------------|
| Connector No.  | M2               |
| Connector Name | FUSE BLOCK (J/B) |
| Connector Type | 24311, 1H20A     |



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

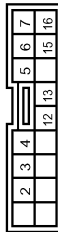
|                |                     |
|----------------|---------------------|
| Connector No.  | M4                  |
| Connector Name | DATA LINK CONNECTOR |
| Connector Type | BD16FW              |



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

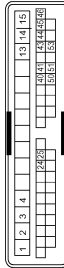
|    |    |   |
|----|----|---|
| 8  | LG | - |
| 14 | P  | - |
| 16 | Y  | - |

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



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

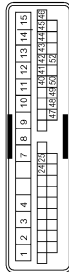
|                |              |
|----------------|--------------|
| Connector No.  | M10          |
| Connector Name | WIRE TO WIRE |
| Connector Type | TH40MW-CS15  |



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

|    |    |   |
|----|----|---|
| 24 | R  | - |
| 25 | G  | - |
| 40 | LG | - |
| 41 | Y  | - |
| 43 | V  | - |
| 44 | V  | - |
| 45 | LG | - |
| 46 | BR | - |
| 50 | P  | - |
| 51 | B  | - |
| 53 | B  | - |

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



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

|    |    |   |
|----|----|---|
| 50 | LG | - |
| 52 | BR | - |

|                |            |
|----------------|------------|
| Connector No.  | M14        |
| Connector Name | TWEETER RH |
| Connector Type | TK02FBR    |



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

|                |            |
|----------------|------------|
| Connector No.  | M15        |
| Connector Name | TWEETER LH |
| Connector Type | TK02FBR    |



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

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# CONNECTOR INFORMATION

< WIRING DIAGRAM >

## MAIN HARNESS

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



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

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

|                |              |
|----------------|--------------|
| Connector No.  | M19          |
| Connector Name | WIRE TO WIRE |
| Connector Type | NS16FW-CS    |



|   |   |   |   |   |   |
|---|---|---|---|---|---|
| 7 | 6 | 4 | 3 | 2 | 1 |
|---|---|---|---|---|---|

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

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

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



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

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

|                |              |
|----------------|--------------|
| Connector No.  | M23          |
| Connector Name | WIRE TO WIRE |
| Connector Type | NH10MH-CS10  |



|   |   |   |   |
|---|---|---|---|
| 3 | 4 | 5 | 6 |
|---|---|---|---|

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

|                |            |
|----------------|------------|
| Connector No.  | M24        |
| Connector Name | KEY SWITCH |
| Connector Type | TK06MGY    |



|   |   |
|---|---|
| 1 | 2 |
|---|---|

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

|                |                   |
|----------------|-------------------|
| Connector No.  | M26               |
| Connector Name | NATS ANTENNA AMP. |
| Connector Type | TH06FW-NH         |



|   |   |   |   |
|---|---|---|---|
| 1 | 2 | 3 | 4 |
|---|---|---|---|

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

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



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

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

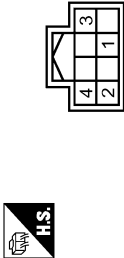
JRMWD7060GB

# CONNECTOR INFORMATION

< WIRING DIAGRAM >

## MAIN HARNESS

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



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

|                |                 |
|----------------|-----------------|
| Connector No.  | M29             |
| Connector Name | IGNITION SWITCH |
| Connector Type | M06FW-LG        |



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

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



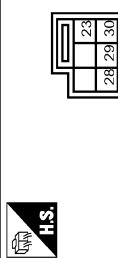
| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | B             | GND                         |
| 2            | P             | CAN-L                       |
| 4            | LG            | IGN            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

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



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

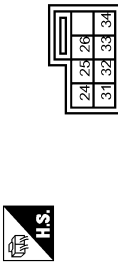
|                |                                   |
|----------------|-----------------------------------|
| Connector No.  | M32                               |
| Connector Name | COMBINATION SWITCH (SPIRAL CABLE) |
| Connector Type | TK08FY-EX-1V                      |



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

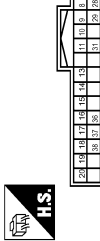
|    |     |   |
|----|-----|---|
| 28 | Y   | - |
| 29 | Y/W | - |
| 30 | Y/G | - |

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



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

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



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

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

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



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

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# CONNECTOR INFORMATION

< WIRING DIAGRAM >

## MAIN HARNESS

|                |                  |
|----------------|------------------|
| Connector No.  | M38              |
| Connector Name | EPS CONTROL UNIT |
| Connector Type | L07FB-MC         |



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

|                |              |
|----------------|--------------|
| Connector No.  | M39          |
| Connector Name | BLOWER MOTOR |
| Connector Type | TM02FW       |



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

|                |                   |
|----------------|-------------------|
| Connector No.  | M41               |
| Connector Name | IN-VEHICLE SENSOR |
| Connector Type | X02FW             |



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

|                |               |
|----------------|---------------|
| Connector No.  | M42           |
| Connector Name | INTAKE SENSOR |
| Connector Type | TK02FB        |



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

|                |                     |
|----------------|---------------------|
| Connector No.  | M44                 |
| Connector Name | THERMO CONTROL AMP. |
| Connector Type | S00FW               |



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

|                |               |
|----------------|---------------|
| Connector No.  | M45           |
| Connector Name | HAZARD SWITCH |
| Connector Type | TK04FW        |



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

|                |                          |
|----------------|--------------------------|
| Connector No.  | M46                      |
| Connector Name | PASSENGER AIR BAG MODULE |
| Connector Type | PK04FY-BD                |



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

|                |                 |
|----------------|-----------------|
| Connector No.  | M48             |
| Connector Name | AMD MODE SWITCH |
| Connector Type | TK00FW-IV       |



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

|                |                   |
|----------------|-------------------|
| Connector No.  | M49               |
| Connector Name | NATS ANTENNA AMP. |
| Connector Type | TT08FW-NH         |



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

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# CONNECTOR INFORMATION

< WIRING DIAGRAM >

## MAIN HARNESS

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



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

| Terminal No. | Color of Wire | Signal Name [Specification]                 |
|--------------|---------------|---------------------------------------------|
| 1            | LG            | IN-VEHICLE SENSOR SIGNAL                    |
| 2            | V             | INTAKE SENSOR SIGNAL                        |
| 3            | GR            | AMBIENT SENSOR SIGNAL                       |
| 4            | P             | SUNLOAD SENSOR SIGNAL                       |
| 5            | L             | CAN-H                                       |
| 6            | P             | CAN-L                                       |
| 7            | W             | INTAKE DOOR MOTOR PRE POWER SUPPLY          |
| 8            | P             | A/C AUTO AMP. CONNECTION RECOGNITION SIGNAL |
| 9            | R             | SENSOR GROUND                               |
| 10           | SB            | IGNITION POWER SUPPLY                       |
| 11           | Y             | BATTERY POWER SUPPLY                        |
| 12           | Y             | POWER TRANSISTOR CONTROL SIGNAL             |
| 13           | GR            | BLOWER FAN ON SIGNAL                        |
| 14           | LG            | A/C ON SIGNAL                               |
| 15           | Y             | A/MIX DRIVE SIGNAL 1                        |
| 16           | BR            | A/MIX DRIVE SIGNAL 2                        |
| 17           | GR            | A/MIX DRIVE SIGNAL 3                        |
| 18           | W             | A/MIX DRIVE SIGNAL 4                        |
| 19           | L             | A/MIX DRIVE SIGNAL 5                        |
| 20           | G             | IGNITION POWER SUPPLY                       |
| 21           | SB            | INTAKE DOOR MOTOR PBR F/B SIGNAL            |
| 22           | B             | GROUND                                      |
| 23           | G             | REC DRIVE SIGNAL                            |
| 24           | V             | FRE DRIVE SIGNAL                            |
| 25           | R             | MODE DRIVE SIGNAL 1                         |
| 26           | P             | MODE DRIVE SIGNAL 2                         |
| 27           | Y             | MODE DRIVE SIGNAL 3                         |
| 28           | V             | MODE DRIVE SIGNAL 4                         |
| 29           | V             | MODE DRIVE SIGNAL 5                         |

|                |              |
|----------------|--------------|
| Connector No.  | M51          |
| Connector Name | WIRE TO WIRE |
| Connector Type | M04FW-LG     |



|   |   |   |   |
|---|---|---|---|
| 1 | 2 | 3 | 4 |
|---|---|---|---|

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

|                |             |
|----------------|-------------|
| Connector No.  | M52         |
| Connector Name | A/C CONTROL |
| Connector Type | G04FW       |



|    |    |    |    |
|----|----|----|----|
| 16 | 17 | 18 | 19 |
|----|----|----|----|

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

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



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

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

|                |                   |
|----------------|-------------------|
| Connector No.  | M54               |
| Connector Name | INTAKE DOOR MOTOR |
| Connector Type | 98193-0001        |



|   |   |   |   |   |
|---|---|---|---|---|
| 1 | 2 | 3 | 5 | 6 |
|---|---|---|---|---|

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

|                |                    |
|----------------|--------------------|
| Connector No.  | M55                |
| Connector Name | AIR MIX DOOR MOTOR |
| Connector Type | MAA06FB            |



|   |   |   |   |
|---|---|---|---|
|   | 4 |   | 6 |
| 1 | 2 | 3 |   |

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

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



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

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

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

# CONNECTOR INFORMATION

< WIRING DIAGRAM >

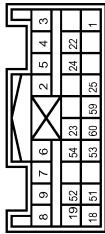
## MAIN HARNESS

|                |              |
|----------------|--------------|
| Connector No.  | M60          |
| Connector Name | POWER SOCKET |
| Connector Type | P02FB-Z      |



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

|                |                               |
|----------------|-------------------------------|
| Connector No.  | M61                           |
| Connector Name | AIR BAG DIAGNOSIS SENSOR UNIT |
| Connector Type | IN2BFY-EX                     |



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

|    |   |       |
|----|---|-------|
| 60 | P | CAN-L |
|----|---|-------|

|                |             |
|----------------|-------------|
| Connector No.  | M63         |
| Connector Name | DIODE       |
| Connector Type | 2433S C9800 |



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

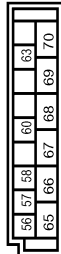
|                |                           |
|----------------|---------------------------|
| Connector No.  | M65                       |
| Connector Name | BCM (BODY CONTROL MODULE) |
| Connector Type | TH40FW-NH                 |



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

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

|                |                           |
|----------------|---------------------------|
| Connector No.  | M66                       |
| Connector Name | BCM (BODY CONTROL MODULE) |
| Connector Type | FE409FW-FH4F-SA           |



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

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



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

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# CONNECTOR INFORMATION

< WIRING DIAGRAM >

## MAIN HARNESS

|                |                           |
|----------------|---------------------------|
| Connector No.  | M69                       |
| Connector Name | BCM (BODY CONTROL MODULE) |
| Connector Type | TEA8FW-FH4G-SA            |



|    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|
| 56 | 57 | 59 | 60 | 61 | 63 | 64 |
| 65 | 66 | 67 | 68 | 69 | 70 |    |

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

|                |                           |
|----------------|---------------------------|
| Connector No.  | M70                       |
| Connector Name | BCM (BODY CONTROL MODULE) |
| Connector Type | TH4UFW-NH                 |



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

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

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



|   |   |
|---|---|
| 3 | 5 |
| 2 | 1 |

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

|                |                               |
|----------------|-------------------------------|
| Connector No.  | M73                           |
| Connector Name | REMOTE KEYLESS ENTRY RECEIVER |
| Connector Type | TH4UFW                        |



|   |   |   |
|---|---|---|
| 1 | 2 | 4 |
|---|---|---|

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

|                |                |
|----------------|----------------|
| Connector No.  | M74            |
| Connector Name | SUNLOAD SENSOR |
| Connector Type | A02FW          |



|   |   |
|---|---|
| 1 | 2 |
|---|---|

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

|                |                               |
|----------------|-------------------------------|
| Connector No.  | M75                           |
| Connector Name | REMOTE KEYLESS ENTRY RECEIVER |
| Connector Type | TH4UFW-NH                     |



|   |   |   |
|---|---|---|
| 1 | 2 | 4 |
|---|---|---|

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

JRMWD7065GB

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

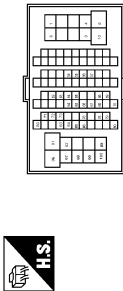
PG

# CONNECTOR INFORMATION

< WIRING DIAGRAM >

## MAIN HARNESS

|                |                 |
|----------------|-----------------|
| Connector No.  | M77             |
| Connector Name | WIRE TO WIRE    |
| Connector Type | TH10FW-CS16-TM4 |



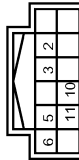
|     |    |   |
|-----|----|---|
| 96  | L  | - |
| 97  | GR | - |
| 98  | G  | - |
| 99  | W  | - |
| 100 | LG | - |

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



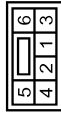
|              |               |                             |
|--------------|---------------|-----------------------------|
| Terminal No. | Color of Wire | Signal Name [Specification] |
| 1            | R             | -                           |
| 2            | W             | -              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

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



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

|                |                       |
|----------------|-----------------------|
| Connector No.  | M80                   |
| Connector Name | HEATED SEAT SWITCH LH |
| Connector Type | NS00FW-CS             |



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

|                |                       |
|----------------|-----------------------|
| Connector No.  | M81                   |
| Connector Name | HEATED SEAT SWITCH RH |
| Connector Type | NS00FBR-CS            |



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

|                |              |
|----------------|--------------|
| Connector No.  | M82          |
| Connector Name | WIRE TO WIRE |
| Connector Type | MS4FW-LC     |



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

|                |                |
|----------------|----------------|
| Connector No.  | M84            |
| Connector Name | OPTICAL SENSOR |
| Connector Type | TK03FW         |



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

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# CONNECTOR INFORMATION

< WIRING DIAGRAM >

## MAIN HARNESS

|                |                                   |
|----------------|-----------------------------------|
| Connector No.  | M85                               |
| Connector Name | THE PRESSURE WARNING CHECK SWITCH |
| Connector Type | TK02FW                            |



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

|                |             |
|----------------|-------------|
| Connector No.  | M86         |
| Connector Name | DONGLE UNIT |
| Connector Type | NS08FR-CS   |



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

|                |              |
|----------------|--------------|
| Connector No.  | M87          |
| Connector Name | WIPE TO WIPE |
| Connector Type | TH08FW-NH    |



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

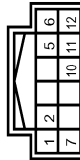
|   |    |   |
|---|----|---|
| 4 | R  | - |
| 5 | SB | - |

|                |              |
|----------------|--------------|
| Connector No.  | M88          |
| Connector Name | WIPE TO WIPE |
| Connector Type | M02FW-LC     |



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

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



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

|                |            |
|----------------|------------|
| Connector No.  | M91        |
| Connector Name | AUDIO UNIT |
| Connector Type | TH16FW-CS2 |



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

|                |            |
|----------------|------------|
| Connector No.  | M92        |
| Connector Name | AUDIO UNIT |
| Connector Type | TH08FW-NH  |



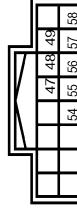
| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 21           | R             | iPod SOUND SIGNAL LH (+)    |
| 23           | B             | iPod SOUND SIGNAL RH (+)    |
| 25           | W             | iPod SOUND SIGNAL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

|                |            |
|----------------|------------|
| Connector No.  | M93        |
| Connector Name | AUDIO UNIT |
| Connector Type | A12FW      |



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

|                |            |
|----------------|------------|
| Connector No.  | M94        |
| Connector Name | AUDIO UNIT |
| Connector Type | TH16FW-NH  |



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

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# CONNECTOR INFORMATION

< WIRING DIAGRAM >

## MAIN HARNESS

|                |                |
|----------------|----------------|
| Connector No.  | M85            |
| Connector Name | GLOVE BOX LAMP |
| Connector Type | XG2FW          |



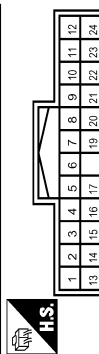
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|--------------|---------------|-----------------------------|
| Terminal No. | Color of Wire | Signal Name [Specification] |
| 1            | V             | -                           |
| 2            | B             | -                        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

|                |                             |
|----------------|-----------------------------|
| Connector No.  | M101                        |
| Connector Name | PUSH-BUTTON IGNITION SWITCH |
| Connector Type | TK08BR                      |



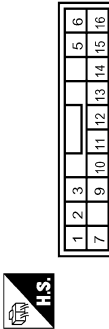
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|--------------|---------------|-----------------------------|
| Terminal No. | Color of Wire | Signal Name [Specification] |
| 3            | G             | -                           |
| 4            | B             | -                        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

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



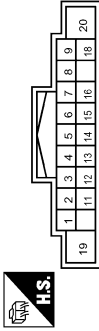
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|--------------|---------------|-----------------------------|
| Terminal No. | Color of Wire | Signal Name [Specification] |
| 1            | R             | iPod SOUND SIGNAL LH (+)    |
| 2            | B             | iPod SOUND SIGNAL RH (+) 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

|                |                |
|----------------|----------------|
| Connector No.  | M103           |
| Connector Name | iPod CONNECTOR |
| Connector Type | IP18GY         |



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

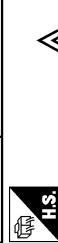
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|----------------|-------------------|
| Connector No.  | M107              |
| Connector Name | NAVI CONTROL UNIT |
| Connector Type | TH18FW-CS2        |



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

|    |        |                    |
|----|--------|--------------------|
| 14 | SHIELD | SHIELD             |
| 15 | P      | ACCESSORY DETECT   |
| 16 | R      | ACCESSORY IDENTIFY |

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



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

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



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

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# CONNECTOR INFORMATION

< WIRING DIAGRAM >

## MAIN HARNESS

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



|              |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|--------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| Terminal No. | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 |
|--------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|

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

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



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

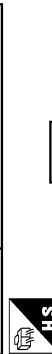
|    |        |        |
|----|--------|--------|
| 52 | SHIELD | SHIELD |
| 53 | SHIELD | SHIELD |

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



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

|                |                                       |
|----------------|---------------------------------------|
| Connector No.  | M126                                  |
| Connector Name | FRONT PASSENGER AIR BAG OFF INDICATOR |
| Connector Type | TK02FBR                               |



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

|                |                  |
|----------------|------------------|
| Connector No.  | M127             |
| Connector Name | TEL ADAPTER UNIT |
| Connector Type | TH25FW-NH        |



|              |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|--------------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| Terminal No. | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 |
|--------------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|

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

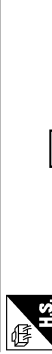
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|----------------|------------------|
| Connector No.  | M128             |
| Connector Name | TEL ADAPTER UNIT |
| Connector Type | TH05FW-NH        |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 35           | 39            | 41                          |
| 36           | 40            | 42                          |

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

|                |                       |
|----------------|-----------------------|
| Connector No.  | M300                  |
| Connector Name | DRIVER AIR BAG MODULE |
| Connector Type | ACA02E0R              |



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

|                |                       |
|----------------|-----------------------|
| Connector No.  | M301                  |
| Connector Name | DRIVER AIR BAG MODULE |
| Connector Type | ACA02EY-2V            |



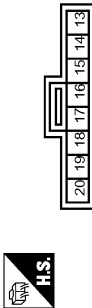
| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 10           | -             | -                           |
| 11           | -             | -                           |

# CONNECTOR INFORMATION

< WIRING DIAGRAM >

## MAIN HARNESS

|                |                                   |
|----------------|-----------------------------------|
| Connector No.  | M302                              |
| Connector Name | COMBINATION SWITCH (SPIRAL CABLE) |
| Connector Type | TK08FGY                           |



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

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



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

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



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

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



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

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



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

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



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

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



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

|                |                  |
|----------------|------------------|
| Connector No.  | M313             |
| Connector Name | ANTENNA BASE     |
| Connector Type | GT13SCN-1,1PP-HU |



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

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



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

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



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

|                |                               |
|----------------|-------------------------------|
| Connector No.  | M317                          |
| Connector Name | NAVI CONTROL UNIT             |
| Connector Type | FAKEA connector female Code C |



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

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## MAIN HARNESS

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



|                |                      |
|----------------|----------------------|
| Connector No.  | M325                 |
| Connector Name | PARK POSITION SWITCH |
| Connector Type | TK02FW               |



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

|                |                    |
|----------------|--------------------|
| Connector No.  | M324               |
| Connector Name | CVT SHIFT SELECTOR |
| Connector Type | TH16MW-NH          |



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

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

|                |                     |
|----------------|---------------------|
| Connector No.  | M326                |
| Connector Name | SHIFT LOCK SOLENOID |
| Connector Type | Yazaki 7283-5845    |



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

|                |              |
|----------------|--------------|
| Connector No.  | M340         |
| Connector Name | WIRE TO WIRE |
| Connector Type | TH08MW       |



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

|   |   |   |
|---|---|---|
| 3 | — | — |
| 4 | — | — |
| 5 | — | — |

|                |                 |
|----------------|-----------------|
| Connector No.  | M342            |
| Connector Name | MODE DOOR MOTOR |
| Connector Type | 98192-1001      |



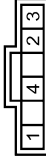
| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | -             | MODE DRIVE SIGNAL 1         |
| 2            | -             | MODE DRIVE SIGNAL 2         |
| 3            | -             | MODE DRIVE SIGNAL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

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



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

|                |                  |
|----------------|------------------|
| Connector No.  | M344             |
| Connector Name | POWER TRANSISTOR |
| Connector Type | TRW 8512100-F    |



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

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



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

CONNECTOR INFORMATION

< WIRING DIAGRAM >

|                                                                                     |                     |                             |
|-------------------------------------------------------------------------------------|---------------------|-----------------------------|
| MAIN HARNESS                                                                        |                     |                             |
| Connector No.                                                                       | M346                |                             |
| Connector Name                                                                      | BLOWER FAN RESISTOR |                             |
| Connector Type                                                                      | M04FER              |                             |
|  |                     |                             |
|  |                     |                             |
| Terminal No.                                                                        | Color of Wire       | Signal Name [Specification] |
| 1                                                                                   | Y                   | -                           |
| 2                                                                                   | G                   | -                           |
| 3                                                                                   | L                   | -                           |
| 4                                                                                   | R                   | -                           |

JRMWD7072GB

## < WIRING DIAGRAM >

## R Room Lamp Harness

## ROOM LAMP HARNESS

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



|   |   |   |                                                                                                                                       |   |  |
|---|---|---|---------------------------------------------------------------------------------------------------------------------------------------|---|--|
| 6 | 5 | 4 | <div style="border: 2px solid black; width: 40px; height: 20px; display: flex; align-items: center; justify-content: center;">3</div> | 3 |  |
|   |   |   | 13 12 11 10 9                                                                                                                         |   |  |
|   |   |   | 18                                                                                                                                    |   |  |

| Terminal | Color of Wire | Signal Name [Specification] |
|----------|---------------|-----------------------------|
| 3        | B             | -                           |
| 4        | W             | -                           |
| 5        | L/W           | -                           |
| 6        | R/Y           | -                           |
| 9        | V             | -                           |
| 10       | R             | -                           |
| 11       | R             | -                           |
| 12       | SHIELD        | -                           |
| 13       | L             | -                           |
| 18       | B             | -                           |

|                |            |
|----------------|------------|
| Connector No.  | R2         |
| Connector Name | MICROPHONE |
| Connector Type | TK04FW     |



|   |   |   |
|---|---|---|
| 1 | 2 | 4 |
|---|---|---|

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | L             | MICROPHONE SIGNAL           |
| 2            | SHIELD        | MICROPHONE GND              |
| 3            | B             | MICROPHONE VCC              |
| 4            | B             | MICROPHONE VCC              |

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



|   |                      |   |
|---|----------------------|---|
| 2 | <input type="text"/> | 1 |
| 6 | 5                    | 4 |
|   |                      | 3 |

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

|                |          |
|----------------|----------|
| Connector No.  | R4       |
| Connector Name | MAP LAMP |
| Connector Type | GAA06FW  |



|  |  |  |   |   |   |  |
|--|--|--|---|---|---|--|
|  |  |  | 4 | 3 | 2 |  |
|--|--|--|---|---|---|--|

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

|                |                |
|----------------|----------------|
| Connector No.  | R5             |
| Connector Name | SUNROOF SWITCH |
| Connector Type | TK03FW         |



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

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



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

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

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



|   |   |   |    |
|---|---|---|----|
|   |   | 5 |    |
|   | 3 |   | 10 |
| 1 |   |   | 6  |

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

# BATTERY INSPECTION

< BASIC INSPECTION >

## BASIC INSPECTION

### BATTERY INSPECTION

#### How to Handle Battery

INFOID:000000008273586

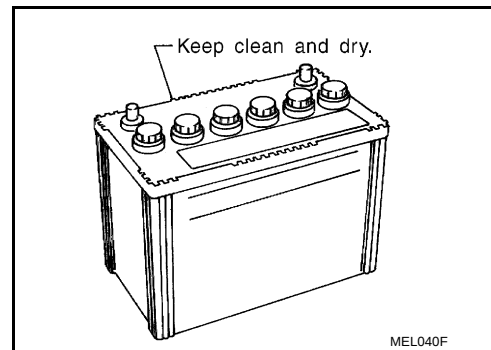
#### CAUTION:

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

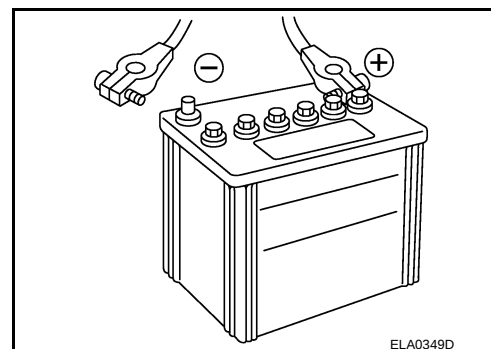
#### METHODS OF PREVENTING OVER-DISCHARGE

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

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



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



#### Work Flow

INFOID:000000008273587

#### BATTERY DIAGNOSIS WITH EXP-800 NI OR GR8-1200 NI

To diagnose and confirm the condition of the battery, use the following special service tools:

- EXP-800 NI Battery and electrical diagnostic analyzer
- GR8-1200 NI Multitasking battery and electrical diagnostic station

#### NOTE:

Refer to the applicable instruction manual for proper battery diagnosis procedures.

#### BATTERY DIAGNOSIS WITHOUT EXP-800 NI OR GR8-1200 NI

##### Check Electrolyte Level

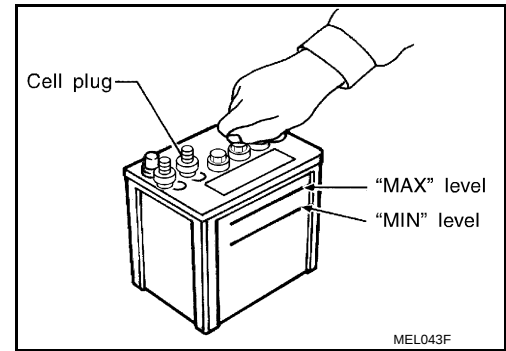
#### WARNING:

Never allow battery fluid to come in contact with skin, eyes, fabrics, or painted surfaces. After touching a battery, never touch or rub your eyes until you have thoroughly washed your hands. If acid contacts eyes, skin or clothing, immediately flush with water for 15 minutes and seek medical attention. Failure to do this may cause personal injury or damage to clothing or the painted surfaces.

# BATTERY INSPECTION

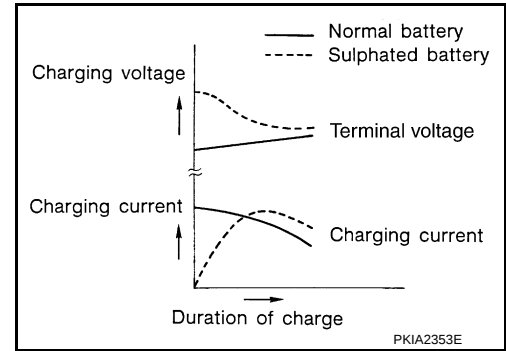
## < BASIC INSPECTION >

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



## SULPHATION

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



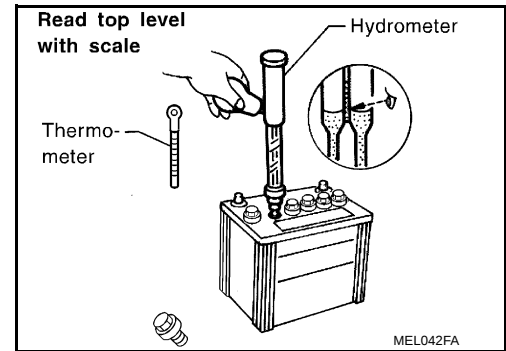
## Specific Gravity Check

### NOTE:

Check the charge condition of the battery.

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

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



## Hydrometer Temperature Correction

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

## BATTERY INSPECTION

### < BASIC INSPECTION >

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

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

#### Charging The Battery

##### **CAUTION:**

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

#### Charging Rates (Standard Charge)

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

#### Charging Rates (Quick Charge)

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

##### **NOTE:**

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

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

# FUSE INSPECTION

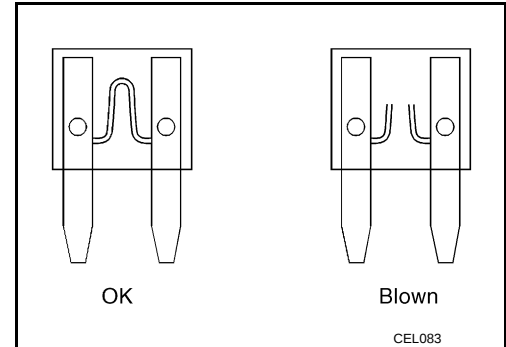
< BASIC INSPECTION >

## FUSE INSPECTION

### How To Check

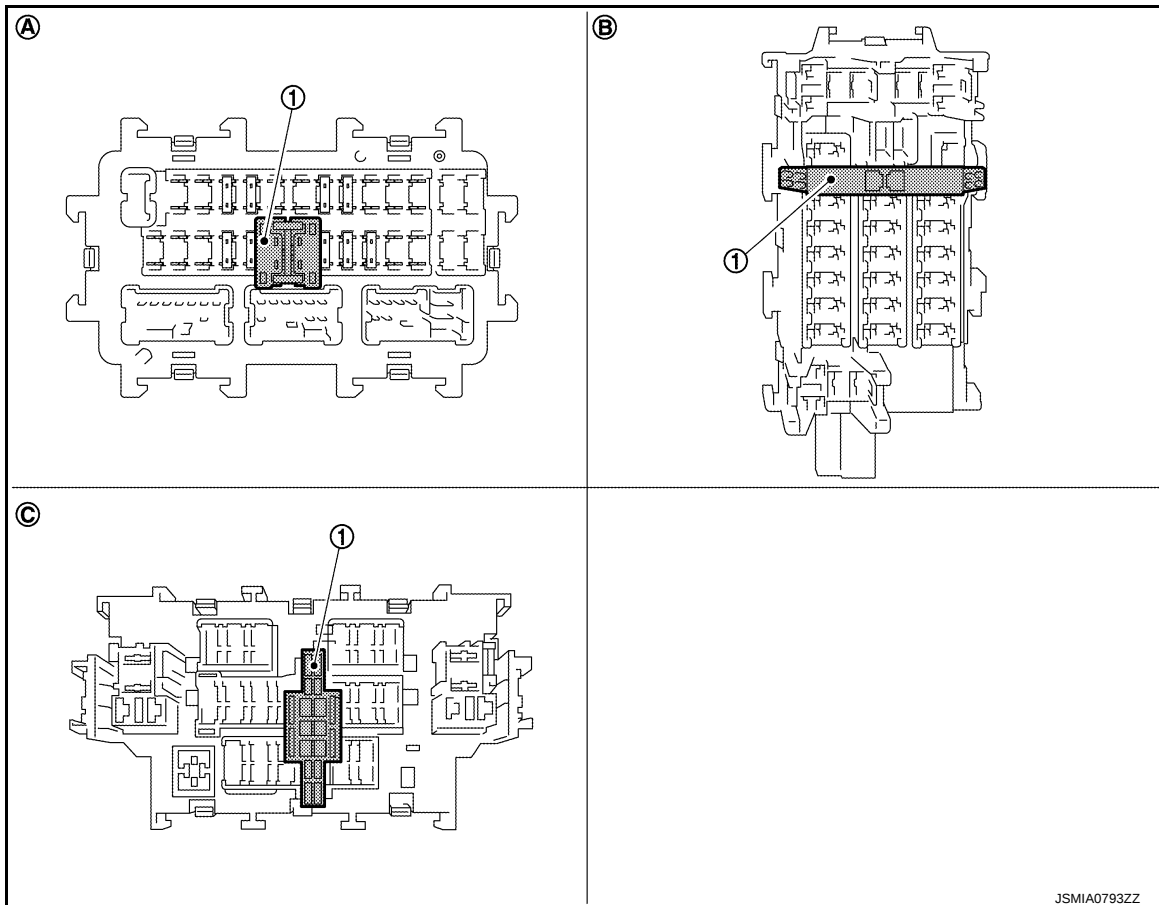
INFOID:000000008273588

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



### EXTENDED STORAGE FUSE SWITCH (IF EQUIPPED)

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



1. Extended storage fuse switch

A. Type A

B. Type B

C. Type C

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

How To Extended Storage Fuse Switch ON/OFF

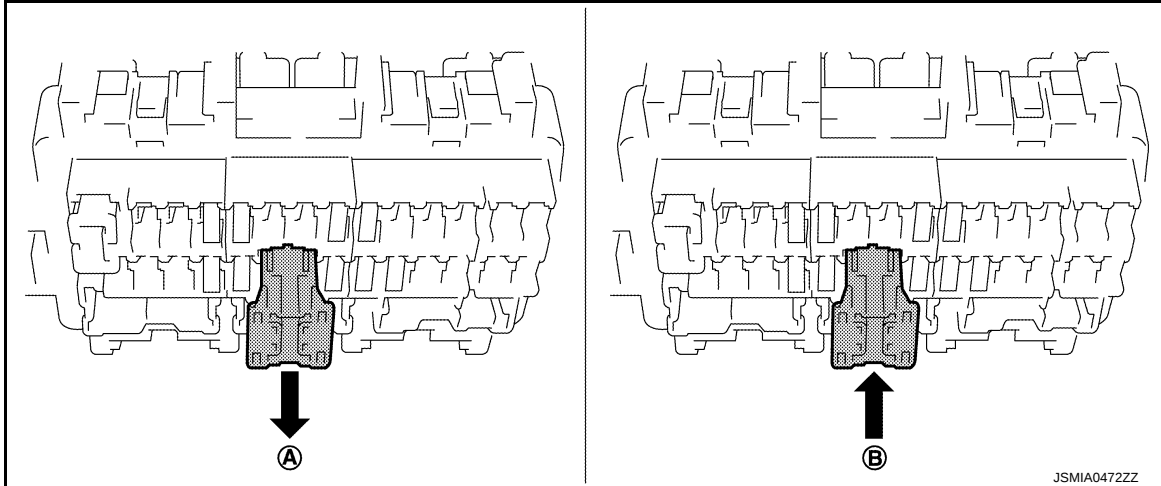
#### CAUTION:

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

## FUSE INSPECTION

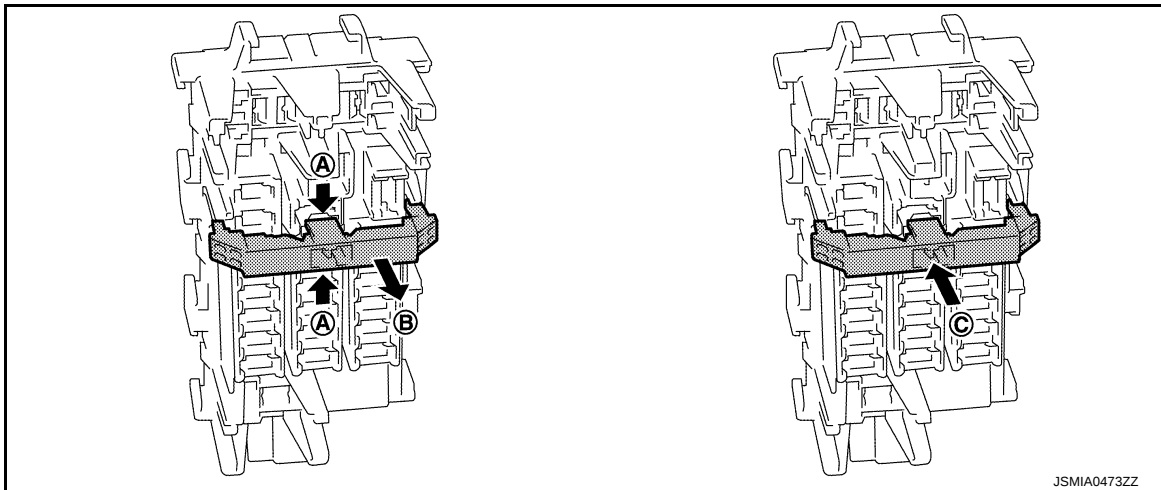
### < BASIC INSPECTION >

- Type A



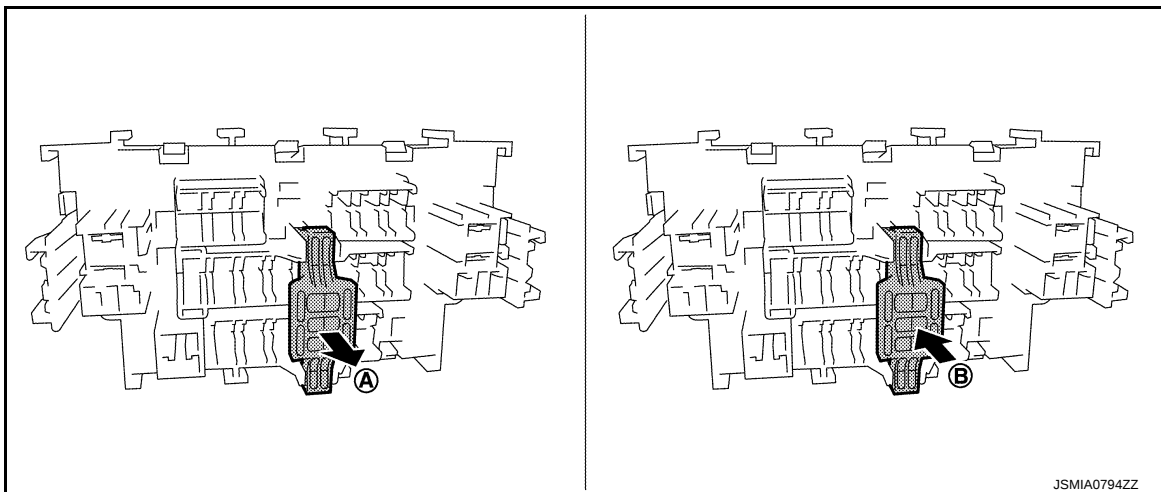
- To turn the extended storage fuse switch OFF, pull it up in (A) direction as shown in the figure.
- To turn the extended storage fuse switch ON, press it in (B) direction as shown in the figure.

- Type B



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

- Type C



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

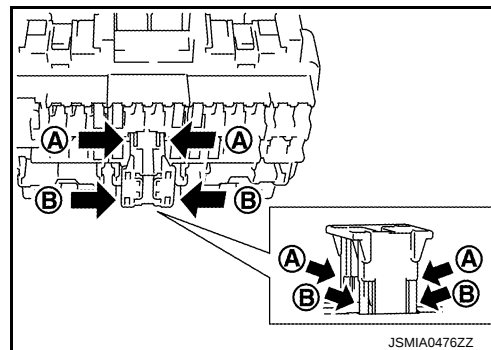
### How To Remove Extended Storage Fuse Switch

#### Type A

# FUSE INSPECTION

## < BASIC INSPECTION >

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

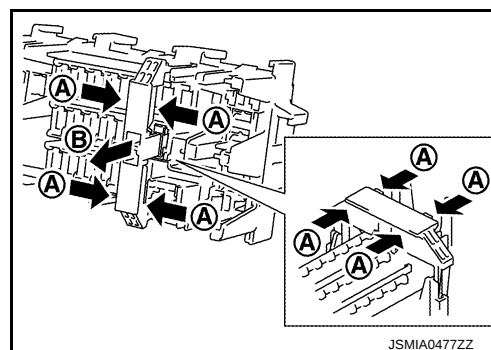


### NOTE:

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

### Type B

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

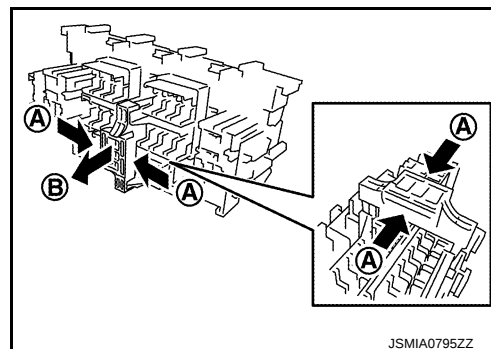


### NOTE:

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

### Type C

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



### NOTE:

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

## FUSE INSPECTION

### < BASIC INSPECTION >

---

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

# FUSIBLE LINK INSPECTION

< BASIC INSPECTION >

## FUSIBLE LINK INSPECTION

### How To Check

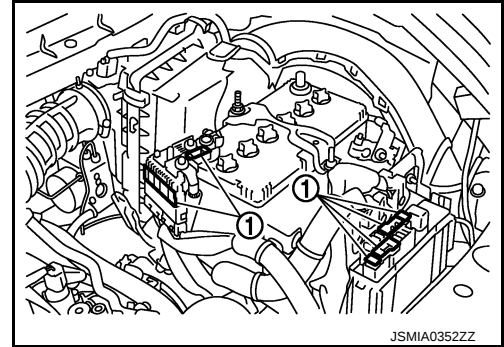
INFOID:000000008273589

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.



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

PG

# BATTERY

< REMOVAL AND INSTALLATION >

## REMOVAL AND INSTALLATION

### BATTERY

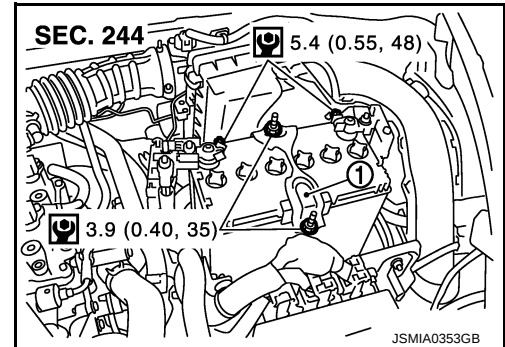
#### Exploded View

INFOID:000000008273590

1 : Battery fix frame



:N·m (kg-m, in-lb)



#### Removal and Installation

INFOID:000000008273591

##### REMOVAL

1. Disconnect the battery cable from the negative terminal.

##### **CAUTION:**

**When disconnecting, disconnect the battery cable from the negative terminal first.**

2. Remove cover of battery positive terminal.
3. Disconnect the battery cable from the positive terminal.
4. Remove battery fix frame mounting nuts and battery fix frame.
5. Remove battery.

##### INSTALLATION

Install in the reverse order of removal.

##### **CAUTION:**

To install the battery, carefully read the following instructions.

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

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

# BATTERY TERMINAL WITH FUSIBLE LINK

< REMOVAL AND INSTALLATION >

## BATTERY TERMINAL WITH FUSIBLE LINK

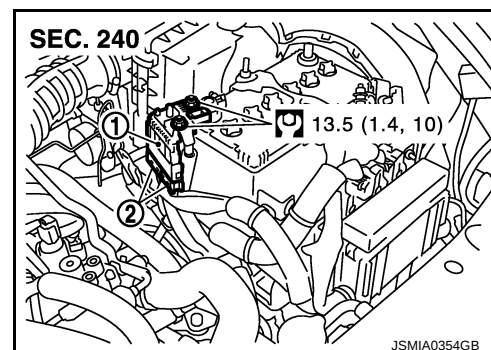
### Exploded View

INFOID:000000008273592

1 : Battery terminal with fusible link

2 : Harness connector

 : N·m (kg-m, ft-lb)



### Removal and Installation

INFOID:000000008273593

#### REMOVAL

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

#### INSTALLATION

Install in the reverse order of removal.

PG

## SERVICE DATA AND SPECIFICATIONS (SDS)

< SERVICE DATA AND SPECIFICATIONS (SDS)

## SERVICE DATA AND SPECIFICATIONS (SDS)

### SERVICE DATA AND SPECIFICATIONS (SDS)

#### Battery

INFOID:0000000008273594

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