

SECTION **PG**

**POWER SUPPLY, GROUND & CIRCUIT ELEMENTS**

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## BASIC INSPECTION

### BATTERY

#### How to Handle Battery

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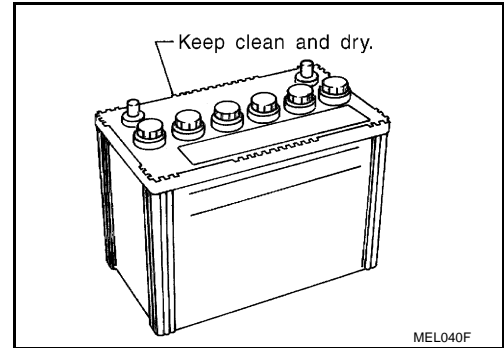
#### CAUTION:

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

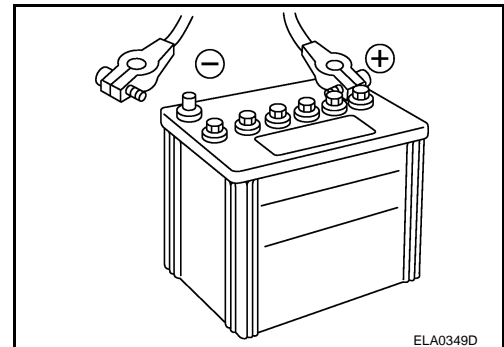
#### METHODS OF PREVENTING OVER-DISCHARGE

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

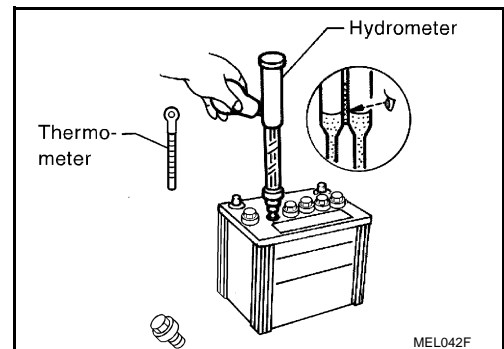
- The battery surface (particularly its top) should always be kept clean and dry.
- The terminal connections should be clean and tight.
- At every routine maintenance, check the electrolyte level. This also applies to batteries designated as "low maintenance" and "maintenance-free".



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



- 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.



#### CHECKING 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.

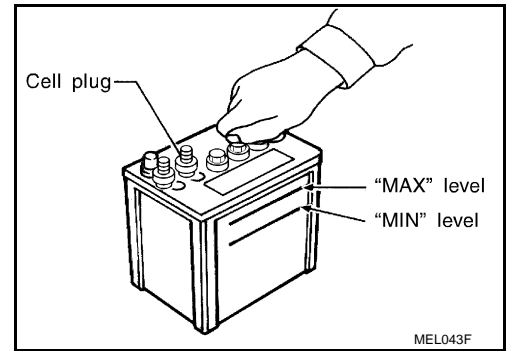
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# BATTERY

## [POWER SUPPLY & GROUND CIRCUIT]

### < BASIC INSPECTION >

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

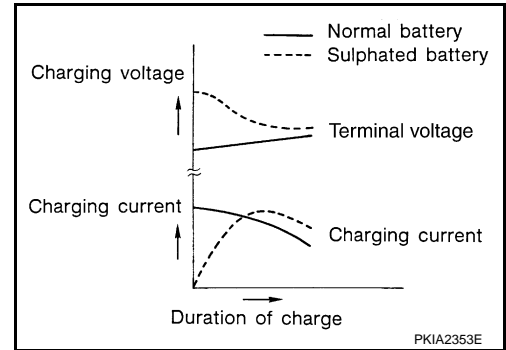


### Sulphation

**A battery will be completely discharged if it is left unattended for a long time and the specific gravity will become less than 1.100. This may result in sulphation on the cell plates.**

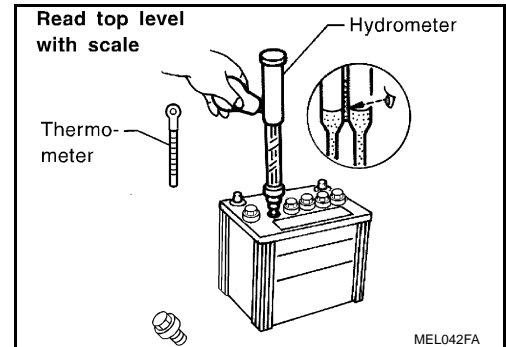
**To determine if a battery has been "sulphated", note its voltage and current when charging it. As shown in the figure, less current and higher voltage are observed in the initial stage of charging sulphated batteries.**

**A sulphated battery may sometimes be brought back into service by means of a long, slow charge, 12 hours or more, followed by a battery capacity test.**



### SPECIFIC GRAVITY CHECK

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                          |
| 4 (40)                                    | -0.016                          |
| -1 (30)                                   | -0.020                          |
| -7 (20)                                   | -0.024                          |

# BATTERY

< BASIC INSPECTION >

[POWER SUPPLY&GROUND CIRCUIT]

| Battery electrolyte temperature [°C (°F)] | Add to specific gravity reading |
|---|---------------------------------|
| -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

| Amps | Time     |
|------|----------|
| 50   | 1 hour   |
| 25   | 2 hours  |
| 10   | 5 hours  |
| 5    | 10 hours |

Do not charge at more than 50 ampere rate.

### 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.

## Work Flow

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## TROUBLE DIAGNOSIS WITH BATTERY SERVICE CENTER

For battery testing, use Battery Service Center (J-48087). For details and operating instructions, refer to Technical Service Bulletin and/or Battery Service Center User Guide.

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# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

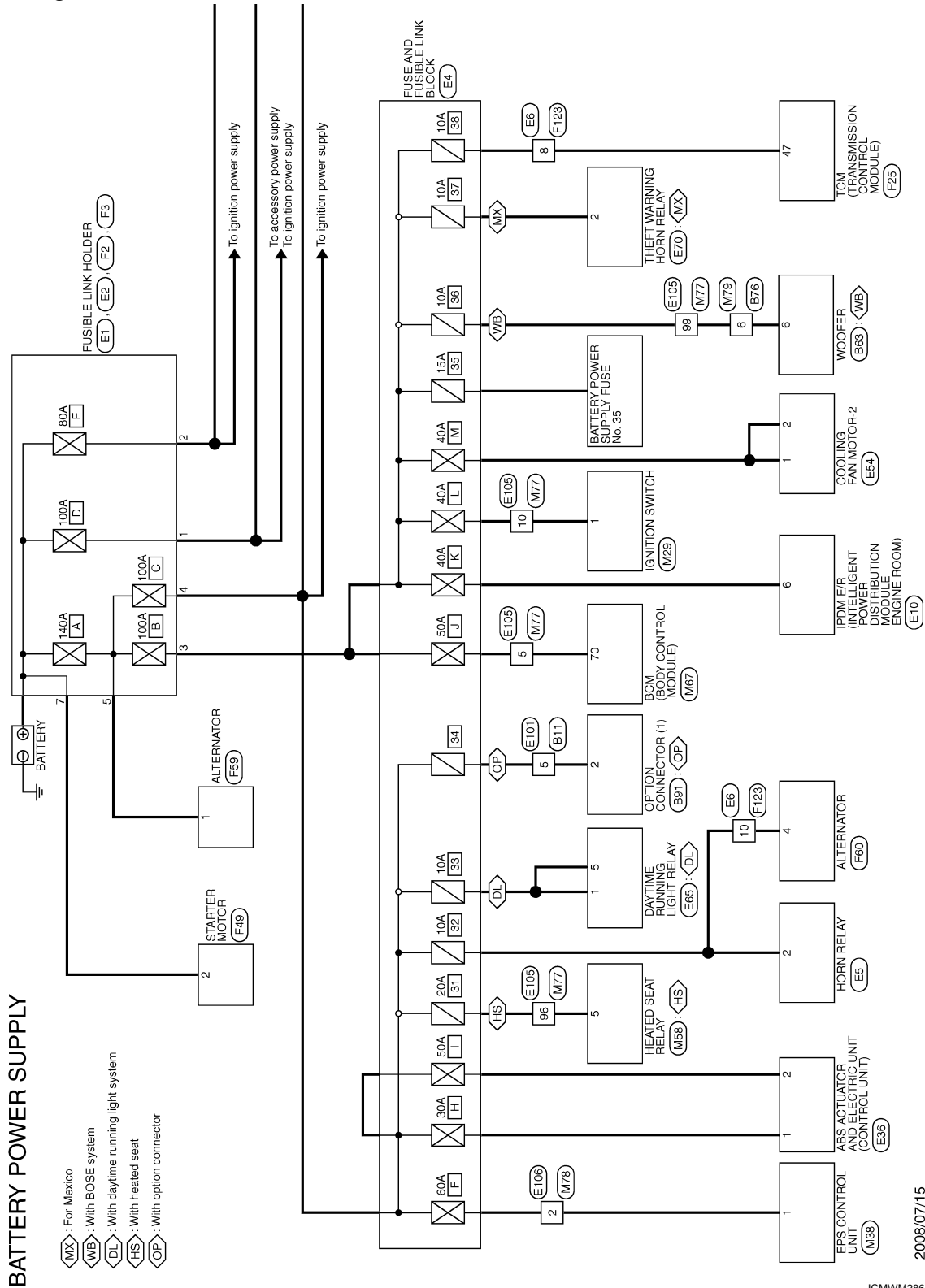
[POWER SUPPLY & GROUND CIRCUIT]

## COMPONENT DIAGNOSIS

### POWER SUPPLY ROUTING CIRCUIT

#### Wiring Diagram - BATTERY POWER SUPPLY -

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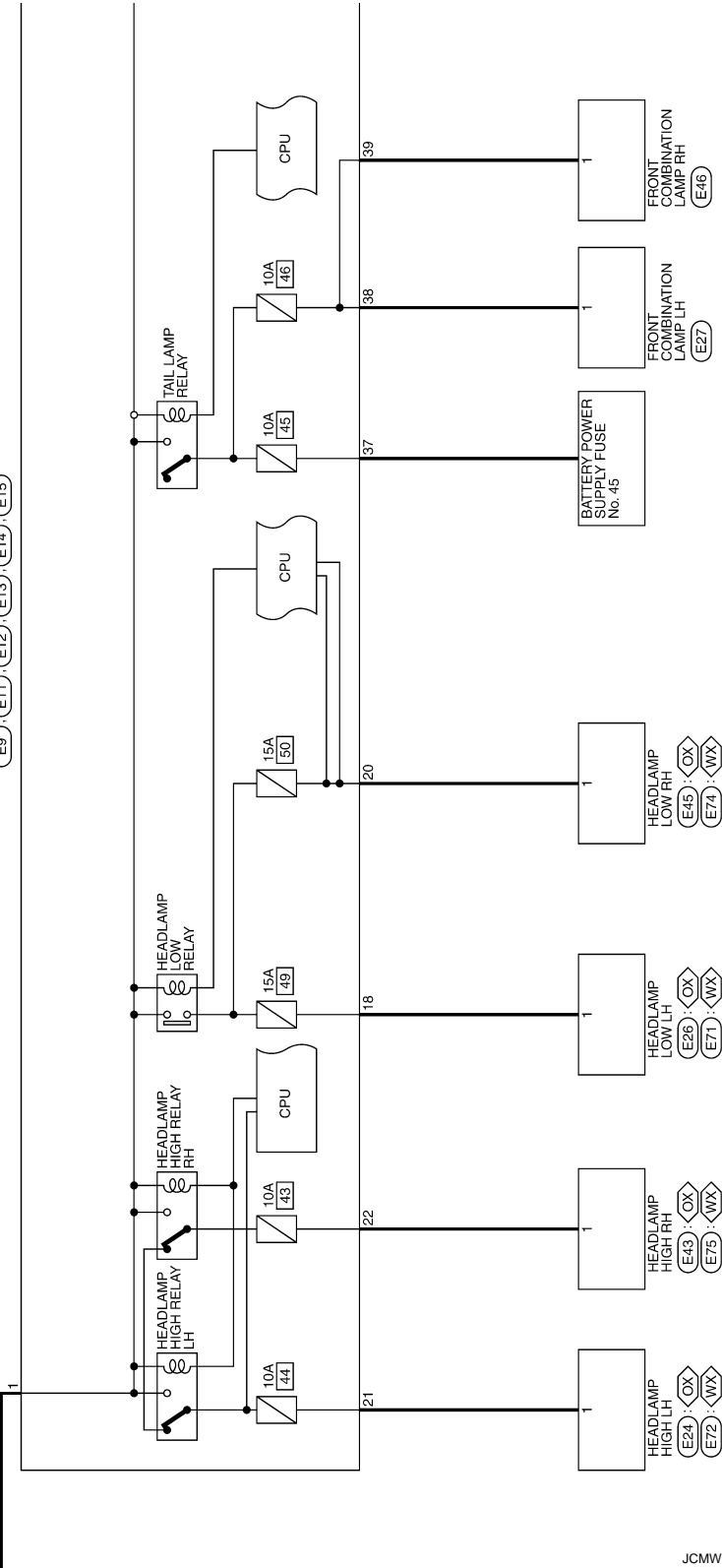
# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

WX: With xenon headlamp  
 OX: Without xenon headlamp

IPDM/ER  
 INTELLIGENT POWER DISTRIBUTION  
 MODULE (ENGINE ROOM)  
 (E9) (E11) (E12) (E13) (E14) (E15)



JCMWM2870G

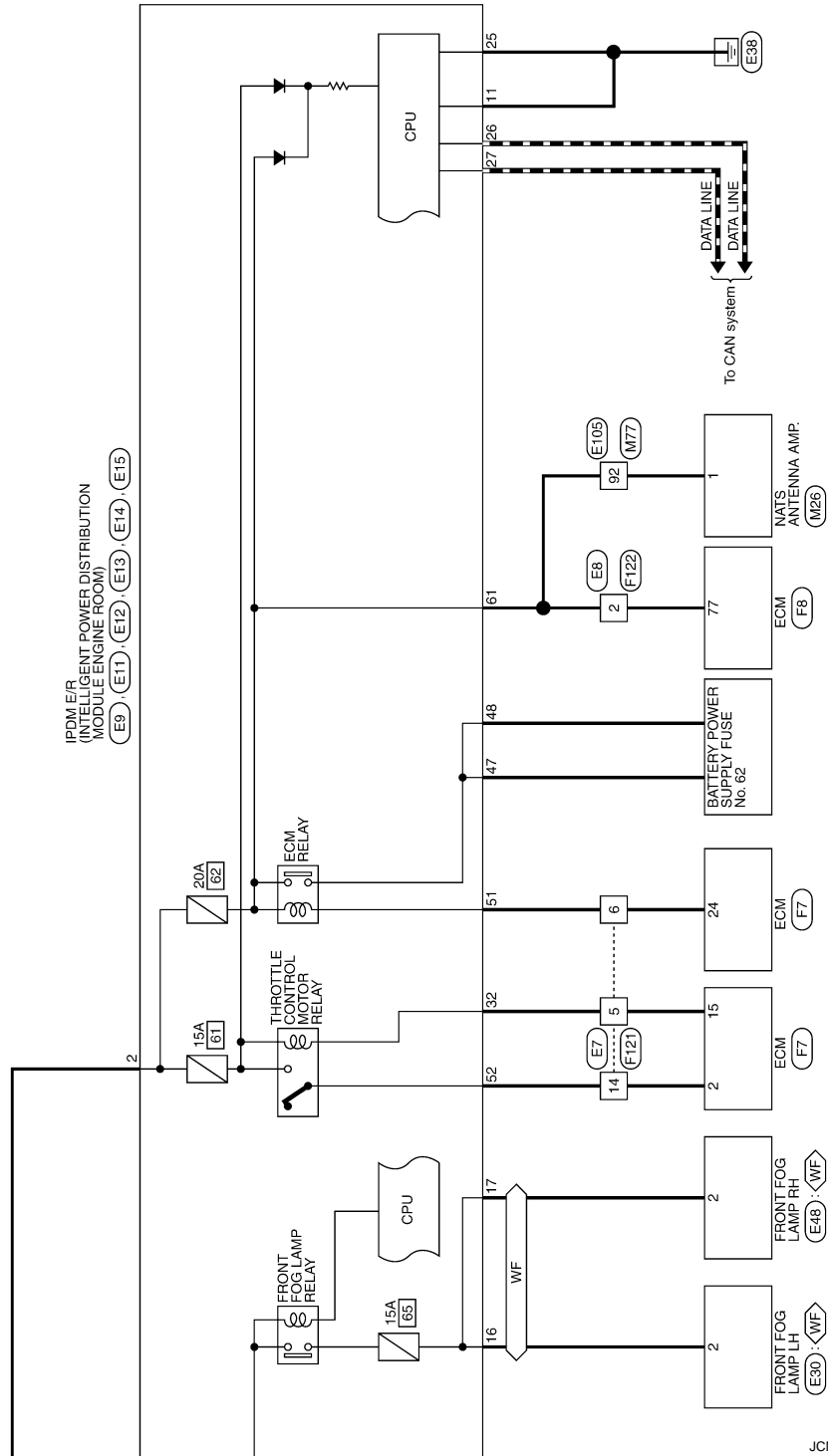


# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

WF: With front fog lamp



JCMWM2871G1

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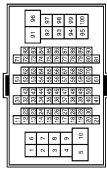
# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## BATTERY POWER SUPPLY


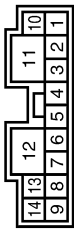
|                |                 |                |              |
|----------------|-----------------|----------------|--------------|
| Connector No.  | B11             | Connector No.  | B76          |
| Connector Name | WIRE TO WIRE    | Connector Name | WIRE TO WIRE |
| Connector Type | TH80MW-CS16-TM4 | Connector Type | NS12MM-CS    |

|                             |   |                             |   |                             |    |
|-----------------------------|---|-----------------------------|---|-----------------------------|----|
| Terminal No.                | 5 | Terminal No.                | 1 | Terminal No.                | 6  |
| Color of Wire               | L | Color of Wire               | W | Color of Wire               | SB |
| Signal Name [Specification] | - | Signal Name [Specification] | - | Signal Name [Specification] | -  |



|                |               |                |            |
|----------------|---------------|----------------|------------|
| Connector No.  | B64           | Connector No.  | E5         |
| Connector Name | BOSE AMP.     | Connector Name | HORN RELAY |
| Connector Type | SGA12FBR-SJA2 | Connector Type | -          |

|                             |     |                             |   |
|-----------------------------|-----|-----------------------------|---|
| Terminal No.                | 11  | Terminal No.                | 2 |
| Color of Wire               | W   | Color of Wire               | P |
| Signal Name [Specification] | BAT | Signal Name [Specification] | - |



|                |            |                |                     |
|----------------|------------|----------------|---------------------|
| Connector No.  | B63        | Connector No.  | E2                  |
| Connector Name | WOOFER     | Connector Name | FUSIBLE LINK HOLDER |
| Connector Type | RS08FGY-PR | Connector Type | LO2FBR-MC-B         |

|                             |     |                             |   |                             |   |
|-----------------------------|-----|-----------------------------|---|-----------------------------|---|
| Terminal No.                | 6   | Terminal No.                | 3 | Terminal No.                | 4 |
| Color of Wire               | SB  | Color of Wire               | W | Color of Wire               | R |
| Signal Name [Specification] | BAT | Signal Name [Specification] | - | Signal Name [Specification] | - |

|                |                      |                |                     |
|----------------|----------------------|----------------|---------------------|
| Connector No.  | B91                  | Connector No.  | E1                  |
| Connector Name | OPTION CONNECTOR (1) | Connector Name | FUSIBLE LINK HOLDER |
| Connector Type | M02FW-LC             | Connector Type | LO2FGY-MC           |

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


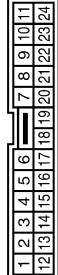











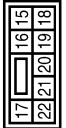




JCMWM2872G

# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## BATTERY POWER SUPPLY

|   |  |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
|---|--|-----|----------------|--|----------------|-----------|--------------|----|---------------|----|---------------|-----------------------------|---------------|----|---|-----------------------------|---------------|----------------|--|----------------|---|---------------|--------------|-----------------------------|--------------|----------------|-----------------------------|--------------|----|---|---------------|--------------|--|--|----------------|----------------|--|----------------|--------------|--------------|-----------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--|---------------|---------------|----------------|---------------|----------------|---------------|---------------|--------------|-----------------------------|----|---------------|-----------------------------|--------------|-----------------------------|---|---------------|----|----------------|--|----------------|----------|--------------|----|--------------|----|---------------|---|---------------|---|--------------|-----------------------------|---|---|---|---|
| <table border="1"> <tr><td>Connector No.</td><td>E6</td></tr> <tr><td>Connector Name</td><td>WIRE TO WIRE</td></tr> <tr><td>Connector Type</td><td>TK2AW-1V</td></tr> </table>   <table border="1"> <tr><td>Terminal No.</td><td>8</td></tr> <tr><td>Terminal No.</td><td>10</td></tr> </table> <table border="1"> <tr><td>Color of Wire</td><td>O</td></tr> <tr><td>Color of Wire</td><td>LG</td></tr> </table> <table border="1"> <tr><td>Terminal No.</td><td>Signal Name [Specification]</td></tr> <tr><td>8</td><td>-</td></tr> <tr><td>10</td><td>-</td></tr> </table>  | Connector No.  | E6  | Connector Name | WIRE TO WIRE   | Connector Type | TK2AW-1V  | Terminal No. | 8  | Terminal No.  | 10 | Color of Wire | O                           | Color of Wire | LG | Terminal No.  | Signal Name [Specification] | 8             | -              | 10   | -              | <table border="1"> <tr><td>Connector No.</td><td>E7</td></tr> <tr><td>Connector Name</td><td>WIRE TO WIRE</td></tr> <tr><td>Connector Type</td><td>NS16MH-CS</td></tr> </table>   <table border="1"> <tr><td>Terminal No.</td><td>5</td></tr> <tr><td>Terminal No.</td><td>6</td></tr> <tr><td>Terminal No.</td><td>14</td></tr> </table> <table border="1"> <tr><td>Color of Wire</td><td>V</td></tr> <tr><td>Color of Wire</td><td>L</td></tr> <tr><td>Color of Wire</td><td>P</td></tr> </table> <table border="1"> <tr><td>Terminal No.</td><td>Signal Name [Specification]</td></tr> <tr><td>5</td><td>-</td></tr> <tr><td>6</td><td>-</td></tr> <tr><td>14</td><td>-</td></tr> </table> | Connector No. | E7           | Connector Name              | WIRE TO WIRE | Connector Type | NS16MH-CS                   | Terminal No. | 5  | Terminal No.  | 6             | Terminal No. | 14   | Color of Wire  | V              | Color of Wire  | L  | Color of Wire  | P            | Terminal No. | Signal Name [Specification] | 5            | -            | 6            | -            | 14           | -            | <table border="1"> <tr><td>Connector No.</td><td>E8</td></tr> <tr><td>Connector Name</td><td>WIRE TO WIRE</td></tr> <tr><td>Connector Type</td><td>M02MH-LC</td></tr> </table>   <table border="1"> <tr><td>Terminal No.</td><td>2</td></tr> </table> <table border="1"> <tr><td>Color of Wire</td><td>R</td></tr> </table> <table border="1"> <tr><td>Terminal No.</td><td>Signal Name [Specification]</td></tr> <tr><td>2</td><td>-</td></tr> </table> | Connector No. | E8            | Connector Name | WIRE TO WIRE  | Connector Type | M02MH-LC      | Terminal No.  | 2            | Color of Wire               | R  | Terminal No.  | Signal Name [Specification] | 2            | -                           | <table border="1"> <tr><td>Connector No.</td><td>E9</td></tr> <tr><td>Connector Name</td><td>IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)</td></tr> <tr><td>Connector Type</td><td>L02FB-MC</td></tr> </table>   <table border="1"> <tr><td>Terminal No.</td><td>1</td></tr> <tr><td>Terminal No.</td><td>2</td></tr> </table> <table border="1"> <tr><td>Color of Wire</td><td>R</td></tr> <tr><td>Color of Wire</td><td>G</td></tr> </table> <table border="1"> <tr><td>Terminal No.</td><td>Signal Name [Specification]</td></tr> <tr><td>1</td><td>-</td></tr> <tr><td>2</td><td>-</td></tr> </table> | Connector No. | E9 | Connector Name | IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) | Connector Type | L02FB-MC | Terminal No. | 1  | Terminal No. | 2  | Color of Wire | R | Color of Wire | G | Terminal No. | Signal Name [Specification] | 1 | - | 2 | - |
| Connector No.   | E6   |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Connector Name  | WIRE TO WIRE   |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Connector Type  | TK2AW-1V   |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Terminal No.  | 8  |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Terminal No.  | 10   |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Color of Wire   | O  |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Color of Wire   | LG   |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Terminal No.  | Signal Name [Specification]                                  |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| 8   | -  |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| 10  | -  |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Connector No.   | E7   |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Connector Name  | WIRE TO WIRE   |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Connector Type  | NS16MH-CS  |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Terminal No.  | 5  |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Terminal No.  | 6  |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Terminal No.  | 14   |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Color of Wire   | V  |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Color of Wire   | L  |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Color of Wire   | P  |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Terminal No.  | Signal Name [Specification]                                  |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| 5   | -  |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| 6   | -  |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| 14  | -  |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Connector No.   | E8   |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Connector Name  | WIRE TO WIRE   |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Connector Type  | M02MH-LC   |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Terminal No.  | 2  |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Color of Wire   | R  |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Terminal No.  | Signal Name [Specification]                                  |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| 2   | -  |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Connector No.   | E9   |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Connector Name  | IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Connector Type  | L02FB-MC   |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Terminal No.  | 1  |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Terminal No.  | 2  |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Color of Wire   | R  |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Color of Wire   | G  |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Terminal No.  | Signal Name [Specification]                                  |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| 1   | -  |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| 2   | -  |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| <table border="1"> <tr><td>Connector No.</td><td>E10</td></tr> <tr><td>Connector Name</td><td>IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)</td></tr> <tr><td>Connector Type</td><td>M08FW-LC</td></tr> </table>   <table border="1"> <tr><td>Terminal No.</td><td>6</td></tr> </table> <table border="1"> <tr><td>Color of Wire</td><td>BR</td></tr> </table> <table border="1"> <tr><td>Terminal No.</td><td>Signal Name [Specification]</td></tr> <tr><td>6</td><td>-</td></tr> </table>  | Connector No.  | E10 | Connector Name | IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) | Connector Type | M08FW-LC  | Terminal No. | 6  | Color of Wire | BR | Terminal No.  | Signal Name [Specification] | 6             | -  | <table border="1"> <tr><td>Connector No.</td><td>E11</td></tr> <tr><td>Connector Name</td><td>IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)</td></tr> <tr><td>Connector Type</td><td>M06FB-LC</td></tr> </table>   <table border="1"> <tr><td>Terminal No.</td><td>11</td></tr> </table> <table border="1"> <tr><td>Color of Wire</td><td>B</td></tr> </table> <table border="1"> <tr><td>Terminal No.</td><td>Signal Name [Specification]</td></tr> <tr><td>11</td><td>-</td></tr> </table> | Connector No.               | E11           | Connector Name | IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) | Connector Type | M06FB-LC  | Terminal No.  | 11           | Color of Wire               | B            | Terminal No.   | Signal Name [Specification] | 11           | -  | <table border="1"> <tr><td>Connector No.</td><td>E12</td></tr> <tr><td>Connector Name</td><td>IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)</td></tr> <tr><td>Connector Type</td><td>NS08FB-CS</td></tr> </table>   <table border="1"> <tr><td>Terminal No.</td><td>16</td></tr> <tr><td>Terminal No.</td><td>17</td></tr> <tr><td>Terminal No.</td><td>18</td></tr> <tr><td>Terminal No.</td><td>20</td></tr> <tr><td>Terminal No.</td><td>21</td></tr> <tr><td>Terminal No.</td><td>22</td></tr> </table> <table border="1"> <tr><td>Color of Wire</td><td>Y</td></tr> <tr><td>Color of Wire</td><td>W</td></tr> <tr><td>Color of Wire</td><td>L</td></tr> <tr><td>Color of Wire</td><td>SB</td></tr> <tr><td>Color of Wire</td><td>G</td></tr> <tr><td>Color of Wire</td><td>LG</td></tr> </table> <table border="1"> <tr><td>Terminal No.</td><td>Signal Name [Specification]</td></tr> <tr><td>16</td><td>-</td></tr> <tr><td>17</td><td>-</td></tr> <tr><td>18</td><td>-</td></tr> <tr><td>20</td><td>-</td></tr> <tr><td>21</td><td>-</td></tr> <tr><td>22</td><td>-</td></tr> </table> | Connector No. | E12          | Connector Name   | IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) | Connector Type | NS08FB-CS      | Terminal No.   | 16             | Terminal No. | 17           | Terminal No.                | 18           | Terminal No. | 20           | Terminal No. | 21           | Terminal No. | 22   | Color of Wire | Y             | Color of Wire  | W             | Color of Wire  | L             | Color of Wire | SB           | Color of Wire               | G  | Color of Wire | LG                          | Terminal No. | Signal Name [Specification] | 16  | -             | 17 | -              | 18   | -              | 20       | -            | 21 | -            | 22 | -             |   |               |   |              |                             |   |   |   |   |
| Connector No.   | E10  |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Connector Name  | IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Connector Type  | M08FW-LC   |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Terminal No.  | 6  |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Color of Wire   | BR   |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Terminal No.  | Signal Name [Specification]                                  |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| 6   | -  |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Connector No.   | E11  |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Connector Name  | IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Connector Type  | M06FB-LC   |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Terminal No.  | 11   |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Color of Wire   | B  |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Terminal No.  | Signal Name [Specification]                                  |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| 11  | -  |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Connector No.   | E12  |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Connector Name  | IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Connector Type  | NS08FB-CS  |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Terminal No.  | 16   |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Terminal No.  | 17   |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Terminal No.  | 18   |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Terminal No.  | 20   |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Terminal No.  | 21   |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Terminal No.  | 22   |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Color of Wire   | Y  |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Color of Wire   | W  |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Color of Wire   | L  |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Color of Wire   | SB   |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Color of Wire   | G  |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Color of Wire   | LG   |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Terminal No.  | Signal Name [Specification]                                  |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| 16  | -  |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| 17  | -  |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| 18  | -  |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| 20  | -  |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| 21  | -  |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| 22  | -  |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| <table border="1"> <tr><td>Connector No.</td><td>E13</td></tr> <tr><td>Connector Name</td><td>IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)</td></tr> <tr><td>Connector Type</td><td>TH12FW-NH</td></tr> </table>   <table border="1"> <tr><td>Terminal No.</td><td>25</td></tr> <tr><td>Terminal No.</td><td>26</td></tr> <tr><td>Terminal No.</td><td>27</td></tr> <tr><td>Terminal No.</td><td>32</td></tr> </table> <table border="1"> <tr><td>Color of Wire</td><td>B</td></tr> <tr><td>Color of Wire</td><td>P</td></tr> <tr><td>Color of Wire</td><td>L</td></tr> <tr><td>Color of Wire</td><td>V</td></tr> </table> <table border="1"> <tr><td>Terminal No.</td><td>Signal Name [Specification]</td></tr> <tr><td>25</td><td>-</td></tr> <tr><td>26</td><td>-</td></tr> <tr><td>27</td><td>-</td></tr> <tr><td>32</td><td>-</td></tr> </table> | Connector No.  | E13 | Connector Name | IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) | Connector Type | TH12FW-NH | Terminal No. | 25 | Terminal No.  | 26 | Terminal No.  | 27                          | Terminal No.  | 32 | Color of Wire   | B                           | Color of Wire | P              | Color of Wire  | L              | Color of Wire   | V             | Terminal No. | Signal Name [Specification] | 25           | -              | 26                          | -            | 27 | -   | 32            | -            | <table border="1"> <tr><td>Connector No.</td><td>E14</td></tr> <tr><td>Connector Name</td><td>IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)</td></tr> <tr><td>Connector Type</td><td>TH12FW-NH</td></tr> </table>   <table border="1"> <tr><td>Terminal No.</td><td>25</td></tr> <tr><td>Terminal No.</td><td>26</td></tr> <tr><td>Terminal No.</td><td>27</td></tr> <tr><td>Terminal No.</td><td>32</td></tr> </table> <table border="1"> <tr><td>Color of Wire</td><td>B</td></tr> <tr><td>Color of Wire</td><td>P</td></tr> <tr><td>Color of Wire</td><td>L</td></tr> <tr><td>Color of Wire</td><td>V</td></tr> </table> <table border="1"> <tr><td>Terminal No.</td><td>Signal Name [Specification]</td></tr> <tr><td>25</td><td>-</td></tr> <tr><td>26</td><td>-</td></tr> <tr><td>27</td><td>-</td></tr> <tr><td>32</td><td>-</td></tr> </table> | Connector No.  | E14            | Connector Name | IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) | Connector Type | TH12FW-NH    | Terminal No. | 25                          | Terminal No. | 26           | Terminal No. | 27           | Terminal No. | 32           | Color of Wire  | B             | Color of Wire | P              | Color of Wire | L              | Color of Wire | V             | Terminal No. | Signal Name [Specification] | 25 | -             | 26                          | -            | 27                          | -   | 32            | -  |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Connector No.   | E13  |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Connector Name  | IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Connector Type  | TH12FW-NH  |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Terminal No.  | 25   |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Terminal No.  | 26   |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Terminal No.  | 27   |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Terminal No.  | 32   |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Color of Wire   | B  |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Color of Wire   | P  |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Color of Wire   | L  |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Color of Wire   | V  |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Terminal No.  | Signal Name [Specification]                                  |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| 25  | -  |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| 26  | -  |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| 27  | -  |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| 32  | -  |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Connector No.   | E14  |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Connector Name  | IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Connector Type  | TH12FW-NH  |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Terminal No.  | 25   |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Terminal No.  | 26   |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Terminal No.  | 27   |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Terminal No.  | 32   |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Color of Wire   | B  |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Color of Wire   | P  |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Color of Wire   | L  |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Color of Wire   | V  |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| Terminal No.  | Signal Name [Specification]                                  |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| 25  | -  |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| 26  | -  |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| 27  | -  |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |
| 32  | -  |     |                |  |                |           |              |    |               |    |               |                             |               |    |   |                             |               |                |  |                |   |               |              |                             |              |                |                             |              |    |   |               |              |  |  |                |                |  |                |              |              |                             |              |              |              |              |              |              |  |               |               |                |               |                |               |               |              |                             |    |               |                             |              |                             |   |               |    |                |  |                |          |              |    |              |    |               |   |               |   |              |                             |   |   |   |   |

JCMWM2873GI

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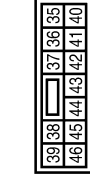
# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

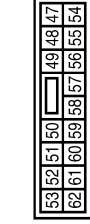
## BATTERY POWER SUPPLY

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



| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 37           | R             | -                           |
| 38           | R             | -                           |
| 39           | GR            | -                           |

|                |  |
|----------------|--|
| Connector No.  | E15  |
| Connector Name | IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) |
| Connector Type | NS12FW-CS  |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 47           | BR            | -                           |
| 48           | R             | -                           |
| 51           | L             | -                           |
| 52           | P             | -                           |
| 61           | R             | -                           |

|                |   |
|----------------|---|
| Connector No.  | E24                                       |
| Connector Name | HEADLAMP HIGH LH (WITHOUT XENON HEADLAMP) |
| Connector Type | U02FB                                     |



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

|                |  |
|----------------|--|
| Connector No.  | E26                                      |
| Connector Name | HEADLAMP LOW LH (WITHOUT XENON HEADLAMP) |
| Connector Type | FH202FB                                  |



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

|                |                           |
|----------------|---------------------------|
| Connector No.  | E27                       |
| Connector Name | FRONT COMBINATION LAMP LH |
| Connector Type | Z03FGY                    |



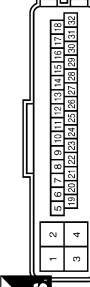
| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | R             | -                           |

|                |                   |
|----------------|-------------------|
| Connector No.  | E30               |
| Connector Name | FRONT FOG LAMP LH |
| Connector Type | FH202FB           |



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

|                |   |
|----------------|---|
| Connector No.  | E36   |
| Connector Name | ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT) |
| Connector Type | RH28FB-NL4-DH                                 |



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

|                |   |
|----------------|---|
| Connector No.  | E43                                       |
| Connector Name | HEADLAMP HIGH RH (WITHOUT XENON HEADLAMP) |
| Connector Type | U02FB                                     |





















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

# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## BATTERY POWER SUPPLY

|  |  |     |                |  |                |            |   |              |    |               |  |                             |  |
|--|--|-----|----------------|--|----------------|------------|---|--------------|----|---------------|--|-----------------------------|--|
| <table border="1"> <tr><td>Connector No.</td><td>E45</td></tr> <tr><td>Connector Name</td><td>HEADLAMP LOW RH (WITHOUT XENON HEADLAMP)</td></tr> <tr><td>Connector Type</td><td>FHZ02FB</td></tr> </table>   | Connector No.                            | E45 | Connector Name | HEADLAMP LOW RH (WITHOUT XENON HEADLAMP) | Connector Type | FHZ02FB    | <table border="1"> <tr><td>Terminal No.</td><td>SB</td></tr> <tr><td>Color of Wire</td><td></td></tr> <tr><td>Signal Name [Specification]</td><td></td></tr> </table> | Terminal No. | SB | Color of Wire |  | Signal Name [Specification] |  |
| Connector No.  | E45                                      |     |                |  |                |            |   |              |    |               |  |                             |  |
| Connector Name   | HEADLAMP LOW RH (WITHOUT XENON HEADLAMP) |     |                |  |                |            |   |              |    |               |  |                             |  |
| Connector Type   | FHZ02FB                                  |     |                |  |                |            |   |              |    |               |  |                             |  |
| Terminal No.   | SB                                       |     |                |  |                |            |   |              |    |               |  |                             |  |
| Color of Wire  |  |     |                |  |                |            |   |              |    |               |  |                             |  |
| Signal Name [Specification]  |  |     |                |  |                |            |   |              |    |               |  |                             |  |
| <table border="1"> <tr><td>Connector No.</td><td>E46</td></tr> <tr><td>Connector Name</td><td>FRONT COMBINATION LAMP RH</td></tr> <tr><td>Connector Type</td><td>Z03FGY</td></tr> </table>                   | Connector No.                            | E46 | Connector Name | FRONT COMBINATION LAMP RH                | Connector Type | Z03FGY     | <table border="1"> <tr><td>Terminal No.</td><td>GR</td></tr> <tr><td>Color of Wire</td><td></td></tr> <tr><td>Signal Name [Specification]</td><td></td></tr> </table> | Terminal No. | GR | Color of Wire |  | Signal Name [Specification] |  |
| Connector No.  | E46                                      |     |                |  |                |            |   |              |    |               |  |                             |  |
| Connector Name   | FRONT COMBINATION LAMP RH                |     |                |  |                |            |   |              |    |               |  |                             |  |
| Connector Type   | Z03FGY                                   |     |                |  |                |            |   |              |    |               |  |                             |  |
| Terminal No.   | GR                                       |     |                |  |                |            |   |              |    |               |  |                             |  |
| Color of Wire  |  |     |                |  |                |            |   |              |    |               |  |                             |  |
| Signal Name [Specification]  |  |     |                |  |                |            |   |              |    |               |  |                             |  |
| <table border="1"> <tr><td>Connector No.</td><td>E48</td></tr> <tr><td>Connector Name</td><td>FRONT FOG LAMP RH</td></tr> <tr><td>Connector Type</td><td>FHZ02FB</td></tr> </table>                              | Connector No.                            | E48 | Connector Name | FRONT FOG LAMP RH                        | Connector Type | FHZ02FB    | <table border="1"> <tr><td>Terminal No.</td><td>W</td></tr> <tr><td>Color of Wire</td><td></td></tr> <tr><td>Signal Name [Specification]</td><td></td></tr> </table>  | Terminal No. | W  | Color of Wire |  | Signal Name [Specification] |  |
| Connector No.  | E48                                      |     |                |  |                |            |   |              |    |               |  |                             |  |
| Connector Name   | FRONT FOG LAMP RH                        |     |                |  |                |            |   |              |    |               |  |                             |  |
| Connector Type   | FHZ02FB                                  |     |                |  |                |            |   |              |    |               |  |                             |  |
| Terminal No.   | W  |     |                |  |                |            |   |              |    |               |  |                             |  |
| Color of Wire  |  |     |                |  |                |            |   |              |    |               |  |                             |  |
| Signal Name [Specification]  |  |     |                |  |                |            |   |              |    |               |  |                             |  |
| <table border="1"> <tr><td>Connector No.</td><td>E44</td></tr> <tr><td>Connector Name</td><td>COOLING FAN MOTOR-2</td></tr> <tr><td>Connector Type</td><td>RS04FGY-PR</td></tr> </table>                         | Connector No.                            | E44 | Connector Name | COOLING FAN MOTOR-2                      | Connector Type | RS04FGY-PR | <table border="1"> <tr><td>Terminal No.</td><td>O</td></tr> <tr><td>Color of Wire</td><td></td></tr> <tr><td>Signal Name [Specification]</td><td></td></tr> </table>  | Terminal No. | O  | Color of Wire |  | Signal Name [Specification] |  |
| Connector No.  | E44                                      |     |                |  |                |            |   |              |    |               |  |                             |  |
| Connector Name   | COOLING FAN MOTOR-2                      |     |                |  |                |            |   |              |    |               |  |                             |  |
| Connector Type   | RS04FGY-PR                               |     |                |  |                |            |   |              |    |               |  |                             |  |
| Terminal No.   | O  |     |                |  |                |            |   |              |    |               |  |                             |  |
| Color of Wire  |  |     |                |  |                |            |   |              |    |               |  |                             |  |
| Signal Name [Specification]  |  |     |                |  |                |            |   |              |    |               |  |                             |  |
| <table border="1"> <tr><td>Connector No.</td><td>E45</td></tr> <tr><td>Connector Name</td><td>HEADLAMP LOW RH (WITHOUT XENON HEADLAMP)</td></tr> <tr><td>Connector Type</td><td>FHZ02FB</td></tr> </table>   | Connector No.                            | E45 | Connector Name | HEADLAMP LOW RH (WITHOUT XENON HEADLAMP) | Connector Type | FHZ02FB    | <table border="1"> <tr><td>Terminal No.</td><td>Y</td></tr> <tr><td>Color of Wire</td><td></td></tr> <tr><td>Signal Name [Specification]</td><td></td></tr> </table>  | Terminal No. | Y  | Color of Wire |  | Signal Name [Specification] |  |
| Connector No.  | E45                                      |     |                |  |                |            |   |              |    |               |  |                             |  |
| Connector Name   | HEADLAMP LOW RH (WITHOUT XENON HEADLAMP) |     |                |  |                |            |   |              |    |               |  |                             |  |
| Connector Type   | FHZ02FB                                  |     |                |  |                |            |   |              |    |               |  |                             |  |
| Terminal No.   | Y  |     |                |  |                |            |   |              |    |               |  |                             |  |
| Color of Wire  |  |     |                |  |                |            |   |              |    |               |  |                             |  |
| Signal Name [Specification]  |  |     |                |  |                |            |   |              |    |               |  |                             |  |
| <table border="1"> <tr><td>Connector No.</td><td>E55</td></tr> <tr><td>Connector Name</td><td>DAYTIME RUNNING LIGHT RELAY</td></tr> <tr><td>Connector Type</td><td>MS03FB-M2</td></tr> </table>              | Connector No.                            | E55 | Connector Name | DAYTIME RUNNING LIGHT RELAY              | Connector Type | MS03FB-M2  | <table border="1"> <tr><td>Terminal No.</td><td>Y</td></tr> <tr><td>Color of Wire</td><td></td></tr> <tr><td>Signal Name [Specification]</td><td></td></tr> </table>  | Terminal No. | Y  | Color of Wire |  | Signal Name [Specification] |  |
| Connector No.  | E55                                      |     |                |  |                |            |   |              |    |               |  |                             |  |
| Connector Name   | DAYTIME RUNNING LIGHT RELAY              |     |                |  |                |            |   |              |    |               |  |                             |  |
| Connector Type   | MS03FB-M2                                |     |                |  |                |            |   |              |    |               |  |                             |  |
| Terminal No.   | Y  |     |                |  |                |            |   |              |    |               |  |                             |  |
| Color of Wire  |  |     |                |  |                |            |   |              |    |               |  |                             |  |
| Signal Name [Specification]  |  |     |                |  |                |            |   |              |    |               |  |                             |  |
| <table border="1"> <tr><td>Connector No.</td><td>E70</td></tr> <tr><td>Connector Name</td><td>THEFT WARNING HORN RELAY</td></tr> <tr><td>Connector Type</td><td>M03FW-R-LC</td></tr> </table>                    | Connector No.                            | E70 | Connector Name | THEFT WARNING HORN RELAY                 | Connector Type | M03FW-R-LC | <table border="1"> <tr><td>Terminal No.</td><td>R</td></tr> <tr><td>Color of Wire</td><td></td></tr> <tr><td>Signal Name [Specification]</td><td></td></tr> </table>  | Terminal No. | R  | Color of Wire |  | Signal Name [Specification] |  |
| Connector No.  | E70                                      |     |                |  |                |            |   |              |    |               |  |                             |  |
| Connector Name   | THEFT WARNING HORN RELAY                 |     |                |  |                |            |   |              |    |               |  |                             |  |
| Connector Type   | M03FW-R-LC                               |     |                |  |                |            |   |              |    |               |  |                             |  |
| Terminal No.   | R  |     |                |  |                |            |   |              |    |               |  |                             |  |
| Color of Wire  |  |     |                |  |                |            |   |              |    |               |  |                             |  |
| Signal Name [Specification]  |  |     |                |  |                |            |   |              |    |               |  |                             |  |
| <table border="1"> <tr><td>Connector No.</td><td>E71</td></tr> <tr><td>Connector Name</td><td>HEADLAMP LOW LH (WITH XENON HEADLAMP)</td></tr> <tr><td>Connector Type</td><td>E02FGY-RS</td></tr> </table>        | Connector No.                            | E71 | Connector Name | HEADLAMP LOW LH (WITH XENON HEADLAMP)    | Connector Type | E02FGY-RS  | <table border="1"> <tr><td>Terminal No.</td><td>L</td></tr> <tr><td>Color of Wire</td><td></td></tr> <tr><td>Signal Name [Specification]</td><td></td></tr> </table>  | Terminal No. | L  | Color of Wire |  | Signal Name [Specification] |  |
| Connector No.  | E71                                      |     |                |  |                |            |   |              |    |               |  |                             |  |
| Connector Name   | HEADLAMP LOW LH (WITH XENON HEADLAMP)    |     |                |  |                |            |   |              |    |               |  |                             |  |
| Connector Type   | E02FGY-RS                                |     |                |  |                |            |   |              |    |               |  |                             |  |
| Terminal No.   | L  |     |                |  |                |            |   |              |    |               |  |                             |  |
| Color of Wire  |  |     |                |  |                |            |   |              |    |               |  |                             |  |
| Signal Name [Specification]  |  |     |                |  |                |            |   |              |    |               |  |                             |  |
| <table border="1"> <tr><td>Connector No.</td><td>E72</td></tr> <tr><td>Connector Name</td><td>HEADLAMP HIGH LH (WITH XENON HEADLAMP)</td></tr> <tr><td>Connector Type</td><td>LU02FB</td></tr> </table>           | Connector No.                            | E72 | Connector Name | HEADLAMP HIGH LH (WITH XENON HEADLAMP)   | Connector Type | LU02FB     | <table border="1"> <tr><td>Terminal No.</td><td>G</td></tr> <tr><td>Color of Wire</td><td></td></tr> <tr><td>Signal Name [Specification]</td><td></td></tr> </table>  | Terminal No. | G  | Color of Wire |  | Signal Name [Specification] |  |
| Connector No.  | E72                                      |     |                |  |                |            |   |              |    |               |  |                             |  |
| Connector Name   | HEADLAMP HIGH LH (WITH XENON HEADLAMP)   |     |                |  |                |            |   |              |    |               |  |                             |  |
| Connector Type   | LU02FB                                   |     |                |  |                |            |   |              |    |               |  |                             |  |
| Terminal No.   | G  |     |                |  |                |            |   |              |    |               |  |                             |  |
| Color of Wire  |  |     |                |  |                |            |   |              |    |               |  |                             |  |
| Signal Name [Specification]  |  |     |                |  |                |            |   |              |    |               |  |                             |  |

















A  
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O  
P

# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## BATTERY POWER SUPPLY

|   |  |               |                |                                       |                |           |              |   |               |    |                             |   |  |               |     |                |  |                |   |               |      |                |                  |                             |          |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |              |   |               |     |                             |   |    |   |    |    |   |   |    |    |   |   |   |   |
|---|--|---------------|----------------|---------------------------------------|----------------|-----------|--------------|---|---------------|----|-----------------------------|---|--|---------------|-----|----------------|--|----------------|---|---------------|------|----------------|------------------|-----------------------------|----------|--|---------------|---------------|----------------|-----------------------------|----------------|---|---------------|----|----------------|---------------------|-----------------------------|---|--|---------------|---------------|----------------|-----------------------------|----------------|---|---------------|----|----------------|---------------------|-----------------------------|---|--------------|---|---------------|-----|-----------------------------|---|----|---|----|----|---|---|----|----|---|---|---|---|
| <table border="1"> <tr><td>Connector No.</td><td>E74</td></tr> <tr><td>Connector Name</td><td>HEADLAMP LOW RH (WITH XENON HEADLAMP)</td></tr> <tr><td>Connector Type</td><td>E02FCY-RS</td></tr> </table>   <table border="1"> <tr><td>Terminal No.</td><td>1</td><td>Color of Wire</td><td>SB</td><td>Signal Name [Specification]</td><td>-</td></tr> </table>   | Connector No.                          | E74           | Connector Name | HEADLAMP LOW RH (WITH XENON HEADLAMP) | Connector Type | E02FCY-RS | Terminal No. | 1 | Color of Wire | SB | Signal Name [Specification] | - | <table border="1"> <tr><td>Connector No.</td><td>E75</td></tr> <tr><td>Connector Name</td><td>HEADLAMP HIGH RH (WITH XENON HEADLAMP)</td></tr> <tr><td>Connector Type</td><td>UD2FB</td></tr> </table>   <table border="1"> <tr><td>Terminal No.</td><td>1</td><td>Color of Wire</td><td>LG</td><td>Signal Name [Specification]</td><td>-</td></tr> </table> | Connector No. | E75 | Connector Name | HEADLAMP HIGH RH (WITH XENON HEADLAMP) | Connector Type | UD2FB   | Terminal No.  | 1    | Color of Wire  | LG               | Signal Name [Specification] | -        | <table border="1"> <tr><td>Connector No.</td><td>E101</td></tr> <tr><td>Connector Name</td><td>WIRE TO WIRE</td></tr> <tr><td>Connector Type</td><td>TH80FW-CS16-TM4</td></tr> </table>   <table border="1"> <tr><td>Terminal No.</td><td>5</td><td>Color of Wire</td><td>L</td><td>Signal Name [Specification]</td><td>-</td></tr> </table> | Connector No. | E101          | Connector Name | WIRE TO WIRE                | Connector Type | TH80FW-CS16-TM4   | Terminal No.  | 5  | Color of Wire  | L                   | Signal Name [Specification] | - | <table border="1"> <tr><td>Connector No.</td><td>E105</td></tr> <tr><td>Connector Name</td><td>WIRE TO WIRE</td></tr> <tr><td>Connector Type</td><td>TH80FW-CS16-TM4</td></tr> </table>   <table border="1"> <tr><td>Terminal No.</td><td>4</td><td>Color of Wire</td><td>V</td><td>Signal Name [Specification]</td><td>-</td></tr> <tr><td>5</td><td>Y</td><td>10</td><td>L</td><td>-</td><td>-</td></tr> <tr><td>82</td><td>O</td><td>96</td><td>BR</td><td>-</td><td>-</td></tr> <tr><td>89</td><td>SB</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> </table> | Connector No. | E105          | Connector Name | WIRE TO WIRE                | Connector Type | TH80FW-CS16-TM4   | Terminal No.  | 4  | Color of Wire  | V                   | Signal Name [Specification] | - | 5            | Y | 10            | L   | -                           | - | 82 | O | 96 | BR | - | - | 89 | SB | - | - | - | - |
| Connector No.   | E74                                    |               |                |                                       |                |           |              |   |               |    |                             |   |  |               |     |                |  |                |   |               |      |                |                  |                             |          |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |              |   |               |     |                             |   |    |   |    |    |   |   |    |    |   |   |   |   |
| Connector Name  | HEADLAMP LOW RH (WITH XENON HEADLAMP)  |               |                |                                       |                |           |              |   |               |    |                             |   |  |               |     |                |  |                |   |               |      |                |                  |                             |          |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |              |   |               |     |                             |   |    |   |    |    |   |   |    |    |   |   |   |   |
| Connector Type  | E02FCY-RS                              |               |                |                                       |                |           |              |   |               |    |                             |   |  |               |     |                |  |                |   |               |      |                |                  |                             |          |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |              |   |               |     |                             |   |    |   |    |    |   |   |    |    |   |   |   |   |
| Terminal No.  | 1                                      | Color of Wire | SB             | Signal Name [Specification]           | -              |           |              |   |               |    |                             |   |  |               |     |                |  |                |   |               |      |                |                  |                             |          |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |              |   |               |     |                             |   |    |   |    |    |   |   |    |    |   |   |   |   |
| Connector No.   | E75                                    |               |                |                                       |                |           |              |   |               |    |                             |   |  |               |     |                |  |                |   |               |      |                |                  |                             |          |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |              |   |               |     |                             |   |    |   |    |    |   |   |    |    |   |   |   |   |
| Connector Name  | HEADLAMP HIGH RH (WITH XENON HEADLAMP) |               |                |                                       |                |           |              |   |               |    |                             |   |  |               |     |                |  |                |   |               |      |                |                  |                             |          |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |              |   |               |     |                             |   |    |   |    |    |   |   |    |    |   |   |   |   |
| Connector Type  | UD2FB                                  |               |                |                                       |                |           |              |   |               |    |                             |   |  |               |     |                |  |                |   |               |      |                |                  |                             |          |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |              |   |               |     |                             |   |    |   |    |    |   |   |    |    |   |   |   |   |
| Terminal No.  | 1                                      | Color of Wire | LG             | Signal Name [Specification]           | -              |           |              |   |               |    |                             |   |  |               |     |                |  |                |   |               |      |                |                  |                             |          |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |              |   |               |     |                             |   |    |   |    |    |   |   |    |    |   |   |   |   |
| Connector No.   | E101                                   |               |                |                                       |                |           |              |   |               |    |                             |   |  |               |     |                |  |                |   |               |      |                |                  |                             |          |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |              |   |               |     |                             |   |    |   |    |    |   |   |    |    |   |   |   |   |
| Connector Name  | WIRE TO WIRE                           |               |                |                                       |                |           |              |   |               |    |                             |   |  |               |     |                |  |                |   |               |      |                |                  |                             |          |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |              |   |               |     |                             |   |    |   |    |    |   |   |    |    |   |   |   |   |
| Connector Type  | TH80FW-CS16-TM4                        |               |                |                                       |                |           |              |   |               |    |                             |   |  |               |     |                |  |                |   |               |      |                |                  |                             |          |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |              |   |               |     |                             |   |    |   |    |    |   |   |    |    |   |   |   |   |
| Terminal No.  | 5                                      | Color of Wire | L              | Signal Name [Specification]           | -              |           |              |   |               |    |                             |   |  |               |     |                |  |                |   |               |      |                |                  |                             |          |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |              |   |               |     |                             |   |    |   |    |    |   |   |    |    |   |   |   |   |
| Connector No.   | E105                                   |               |                |                                       |                |           |              |   |               |    |                             |   |  |               |     |                |  |                |   |               |      |                |                  |                             |          |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |              |   |               |     |                             |   |    |   |    |    |   |   |    |    |   |   |   |   |
| Connector Name  | WIRE TO WIRE                           |               |                |                                       |                |           |              |   |               |    |                             |   |  |               |     |                |  |                |   |               |      |                |                  |                             |          |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |              |   |               |     |                             |   |    |   |    |    |   |   |    |    |   |   |   |   |
| Connector Type  | TH80FW-CS16-TM4                        |               |                |                                       |                |           |              |   |               |    |                             |   |  |               |     |                |  |                |   |               |      |                |                  |                             |          |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |              |   |               |     |                             |   |    |   |    |    |   |   |    |    |   |   |   |   |
| Terminal No.  | 4                                      | Color of Wire | V              | Signal Name [Specification]           | -              |           |              |   |               |    |                             |   |  |               |     |                |  |                |   |               |      |                |                  |                             |          |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |              |   |               |     |                             |   |    |   |    |    |   |   |    |    |   |   |   |   |
| 5   | Y                                      | 10            | L              | -                                     | -              |           |              |   |               |    |                             |   |  |               |     |                |  |                |   |               |      |                |                  |                             |          |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |              |   |               |     |                             |   |    |   |    |    |   |   |    |    |   |   |   |   |
| 82  | O                                      | 96            | BR             | -                                     | -              |           |              |   |               |    |                             |   |  |               |     |                |  |                |   |               |      |                |                  |                             |          |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |              |   |               |     |                             |   |    |   |    |    |   |   |    |    |   |   |   |   |
| 89  | SB                                     | -             | -              | -                                     | -              |           |              |   |               |    |                             |   |  |               |     |                |  |                |   |               |      |                |                  |                             |          |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |              |   |               |     |                             |   |    |   |    |    |   |   |    |    |   |   |   |   |
| <table border="1"> <tr><td>Connector No.</td><td>E106</td></tr> <tr><td>Connector Name</td><td>WIRE TO WIRE</td></tr> <tr><td>Connector Type</td><td>LD2FB-MC</td></tr> </table>   <table border="1"> <tr><td>Terminal No.</td><td>1</td><td>Color of Wire</td><td>L</td><td>Signal Name [Specification]</td><td>-</td></tr> <tr><td>2</td><td>R</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> </table> | Connector No.                          | E106          | Connector Name | WIRE TO WIRE                          | Connector Type | LD2FB-MC  | Terminal No. | 1 | Color of Wire | L  | Signal Name [Specification] | - | 2  | R             | -   | -              | -                                      | -              | <table border="1"> <tr><td>Connector No.</td><td>E115</td></tr> <tr><td>Connector Name</td><td>STOP LAMP SWITCH</td></tr> <tr><td>Connector Type</td><td>M04FW-LC</td></tr> </table>   <table border="1"> <tr><td>Terminal No.</td><td>1</td><td>Color of Wire</td><td>V</td><td>Signal Name [Specification]</td><td>-</td></tr> </table> | Connector No. | E115 | Connector Name | STOP LAMP SWITCH | Connector Type              | M04FW-LC | Terminal No.   | 1             | Color of Wire | V              | Signal Name [Specification] | -              | <table border="1"> <tr><td>Connector No.</td><td>F2</td></tr> <tr><td>Connector Name</td><td>FUSIBLE LINK HOLDER</td></tr> <tr><td>Connector Type</td><td>-</td></tr> </table>   <table border="1"> <tr><td>Terminal No.</td><td>7</td><td>Color of Wire</td><td>B/R</td><td>Signal Name [Specification]</td><td>-</td></tr> </table> | Connector No. | F2 | Connector Name | FUSIBLE LINK HOLDER | Connector Type              | - | Terminal No.   | 7             | Color of Wire | B/R            | Signal Name [Specification] | -              | <table border="1"> <tr><td>Connector No.</td><td>F3</td></tr> <tr><td>Connector Name</td><td>FUSIBLE LINK HOLDER</td></tr> <tr><td>Connector Type</td><td>-</td></tr> </table>   <table border="1"> <tr><td>Terminal No.</td><td>5</td><td>Color of Wire</td><td>B/R</td><td>Signal Name [Specification]</td><td>-</td></tr> </table> | Connector No. | F3 | Connector Name | FUSIBLE LINK HOLDER | Connector Type              | - | Terminal No. | 5 | Color of Wire | B/R | Signal Name [Specification] | - |    |   |    |    |   |   |    |    |   |   |   |   |
| Connector No.   | E106                                   |               |                |                                       |                |           |              |   |               |    |                             |   |  |               |     |                |  |                |   |               |      |                |                  |                             |          |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |              |   |               |     |                             |   |    |   |    |    |   |   |    |    |   |   |   |   |
| Connector Name  | WIRE TO WIRE                           |               |                |                                       |                |           |              |   |               |    |                             |   |  |               |     |                |  |                |   |               |      |                |                  |                             |          |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |              |   |               |     |                             |   |    |   |    |    |   |   |    |    |   |   |   |   |
| Connector Type  | LD2FB-MC                               |               |                |                                       |                |           |              |   |               |    |                             |   |  |               |     |                |  |                |   |               |      |                |                  |                             |          |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |              |   |               |     |                             |   |    |   |    |    |   |   |    |    |   |   |   |   |
| Terminal No.  | 1                                      | Color of Wire | L              | Signal Name [Specification]           | -              |           |              |   |               |    |                             |   |  |               |     |                |  |                |   |               |      |                |                  |                             |          |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |              |   |               |     |                             |   |    |   |    |    |   |   |    |    |   |   |   |   |
| 2   | R                                      | -             | -              | -                                     | -              |           |              |   |               |    |                             |   |  |               |     |                |  |                |   |               |      |                |                  |                             |          |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |              |   |               |     |                             |   |    |   |    |    |   |   |    |    |   |   |   |   |
| Connector No.   | E115                                   |               |                |                                       |                |           |              |   |               |    |                             |   |  |               |     |                |  |                |   |               |      |                |                  |                             |          |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |              |   |               |     |                             |   |    |   |    |    |   |   |    |    |   |   |   |   |
| Connector Name  | STOP LAMP SWITCH                       |               |                |                                       |                |           |              |   |               |    |                             |   |  |               |     |                |  |                |   |               |      |                |                  |                             |          |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |              |   |               |     |                             |   |    |   |    |    |   |   |    |    |   |   |   |   |
| Connector Type  | M04FW-LC                               |               |                |                                       |                |           |              |   |               |    |                             |   |  |               |     |                |  |                |   |               |      |                |                  |                             |          |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |              |   |               |     |                             |   |    |   |    |    |   |   |    |    |   |   |   |   |
| Terminal No.  | 1                                      | Color of Wire | V              | Signal Name [Specification]           | -              |           |              |   |               |    |                             |   |  |               |     |                |  |                |   |               |      |                |                  |                             |          |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |              |   |               |     |                             |   |    |   |    |    |   |   |    |    |   |   |   |   |
| Connector No.   | F2                                     |               |                |                                       |                |           |              |   |               |    |                             |   |  |               |     |                |  |                |   |               |      |                |                  |                             |          |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |              |   |               |     |                             |   |    |   |    |    |   |   |    |    |   |   |   |   |
| Connector Name  | FUSIBLE LINK HOLDER                    |               |                |                                       |                |           |              |   |               |    |                             |   |  |               |     |                |  |                |   |               |      |                |                  |                             |          |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |              |   |               |     |                             |   |    |   |    |    |   |   |    |    |   |   |   |   |
| Connector Type  | -                                      |               |                |                                       |                |           |              |   |               |    |                             |   |  |               |     |                |  |                |   |               |      |                |                  |                             |          |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |              |   |               |     |                             |   |    |   |    |    |   |   |    |    |   |   |   |   |
| Terminal No.  | 7                                      | Color of Wire | B/R            | Signal Name [Specification]           | -              |           |              |   |               |    |                             |   |  |               |     |                |  |                |   |               |      |                |                  |                             |          |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |              |   |               |     |                             |   |    |   |    |    |   |   |    |    |   |   |   |   |
| Connector No.   | F3                                     |               |                |                                       |                |           |              |   |               |    |                             |   |  |               |     |                |  |                |   |               |      |                |                  |                             |          |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |              |   |               |     |                             |   |    |   |    |    |   |   |    |    |   |   |   |   |
| Connector Name  | FUSIBLE LINK HOLDER                    |               |                |                                       |                |           |              |   |               |    |                             |   |  |               |     |                |  |                |   |               |      |                |                  |                             |          |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |              |   |               |     |                             |   |    |   |    |    |   |   |    |    |   |   |   |   |
| Connector Type  | -                                      |               |                |                                       |                |           |              |   |               |    |                             |   |  |               |     |                |  |                |   |               |      |                |                  |                             |          |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |              |   |               |     |                             |   |    |   |    |    |   |   |    |    |   |   |   |   |
| Terminal No.  | 5                                      | Color of Wire | B/R            | Signal Name [Specification]           | -              |           |              |   |               |    |                             |   |  |               |     |                |  |                |   |               |      |                |                  |                             |          |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |  |               |               |                |                             |                |   |               |    |                |                     |                             |   |              |   |               |     |                             |   |    |   |    |    |   |   |    |    |   |   |   |   |


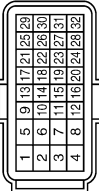

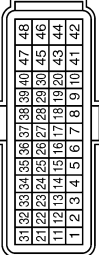



JCMWM2876G





# POWER SUPPLY ROUTING CIRCUIT


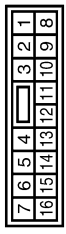


< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## BATTERY POWER SUPPLY

|   |   |   |   |   |  |   |   |
|---|---|---|---|---|--|---|---|
| Connector No.   | F7  | Connector No.   | F25   | Connector No.   | F8   | Connector No.   | F49   |
| Connector Name  | ECM   | Connector Name  | TCM (TRANSMISSION CONTROL MODULE)   | Connector Name  | ECM  | Connector Name  | STARTER MOTOR   |
| Connector Type  | RH24FG-R28-R-LH   | Connector Type  | RH40FB-R28-L-RH   | Connector Type  | RH40FER-R28-L-LH   | Connector Type  | -   |
|  |  |  |  |  |  |  |  |
| Terminal No.  | 2   | Terminal No.  | 47  | Terminal No.  | 77   | Terminal No.  | 2   |
| Color of Wire   | P   | Color of Wire   | O   | Color of Wire   | R  | Color of Wire   | B/R   |
| Signal Name [Specification]   | VMOT-B1<br>MOTRLY-B1<br>SSOFF   | Signal Name [Specification]   | BATT  | Signal Name [Specification]   | BATT   | Signal Name [Specification]   | -   |

|   |   |   |   |
|---|---|---|---|
| Connector No.   | F59   | Connector No.   | F60   |
| Connector Name  | ALTERNATOR  | Connector Name  | ALTERNATOR  |
| Connector Type  | -   | Connector Type  | X02FW   |
|  |  |  |  |
| Terminal No.  | 1   | Terminal No.  | 4   |
| Color of Wire   | B/R   | Color of Wire   | P   |
| Signal Name [Specification]   | -   | Signal Name [Specification]   | -   |

|   |   |   |   |
|---|---|---|---|
| Connector No.   | F121  | Connector No.   | F122  |
| Connector Name  | WIRE TO WIRE  | Connector Name  | WIRE TO WIRE  |
| Connector Type  | NS18FW-CS   | Connector Type  | MM02FW-LC   |
|  |  |  |  |
| Terminal No.  | 5   | Terminal No.  | 2   |
| Color of Wire   | V   | Color of Wire   | R   |
| Signal Name [Specification]   | -   | Signal Name [Specification]   | -   |

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

# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## BATTERY POWER SUPPLY

|                       |                            |              |   |                   |    |                    |                             |                    |    |                    |                             |
|-----------------------|----------------------------|--------------|---|-------------------|----|--------------------|-----------------------------|--------------------|----|--------------------|-----------------------------|
| Connector No.<br>F123 | WIRE TO WIRE               | TK24W-1V     | 11 10 9 8 7 6 5 4 3 2 1<br>24 23 22 21 20 19 18 17 16 15 14 13 12   | Terminal No.<br>8 | O  | Color of Wire<br>P | Signal Name [Specification] | Terminal No.<br>10 | P  | Color of Wire<br>- | Signal Name [Specification] |
| Connector No.<br>M29  | IGNITION SWITCH            | M08FW-LC     | 1 5 3<br>6 2 4  | Terminal No.<br>1 | L  | Color of Wire<br>- | Signal Name [Specification] | Terminal No.<br>1  | L  | Color of Wire<br>- | Signal Name [Specification] |
| Connector No.<br>M1   | FUSE BLOCK (J/B)           | -            | 1   | Terminal No.<br>1 | L  | Color of Wire<br>- | Signal Name [Specification] | Terminal No.<br>1  | L  | Color of Wire<br>- | Signal Name [Specification] |
| Connector No.<br>M10  | DOOR MIRROR DEFOGGER RELAY | MSD2FL-M2-LC | 1 2 3 4   | Terminal No.<br>1 | P  | Color of Wire<br>- | Signal Name [Specification] | Terminal No.<br>1  | P  | Color of Wire<br>- | Signal Name [Specification] |
| Connector No.<br>M26  | NATS ANTENNA AMP.          | TI08FW-NH    | 1 2 3 4   | Terminal No.<br>1 | L  | Color of Wire<br>- | Signal Name [Specification] | Terminal No.<br>1  | L  | Color of Wire<br>+ | Signal Name [Specification] |
| Connector No.<br>M34  | COMBINATION METER          | SAB40FW      | 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20<br>21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 | Terminal No.<br>1 | LG | Color of Wire<br>- | Signal Name [Specification] | Terminal No.<br>1  | LG | Color of Wire<br>- | Signal Name [Specification] |
| Connector No.<br>M38  | EPS CONTROL UNIT           | ANA02FB      | 1 2   | Terminal No.<br>1 | R  | Color of Wire<br>- | Signal Name [Specification] | Terminal No.<br>1  | R  | Color of Wire<br>- | Signal Name [Specification] |
| Connector No.<br>M39  | HEATED SEAT RELAY          | MSD2FL-M2-LC | 3 5<br>2 1  | Terminal No.<br>5 | BR | Color of Wire<br>- | Signal Name [Specification] | Terminal No.<br>5  | BR | Color of Wire<br>- | Signal Name [Specification] |

JCMWM2878G



# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

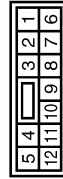
## BATTERY POWER SUPPLY

|                |                         |
|----------------|-------------------------|
| Connector No.  | M67                     |
| Connector Name | BCM BODY CONTROL MODULE |
| Connector Type | FEA3FB-FHA6-SA          |



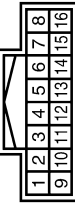
| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 57           | G             | BAT FUSE                    |
| 70           | Y             | BAT FL                      |

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



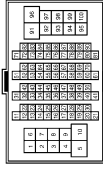
| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | LG            | -                           |
| 6            | SB            | -                           |

|                |                  |
|----------------|------------------|
| Connector No.  | M69              |
| Connector Name | AWD CONTROL UNIT |
| Connector Type | TH1EFV-NH        |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 9            | W             | SOL BATT                    |

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



| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 4            | Y             | -                           |
| 5            | Y             | -                           |
| 10           | L             | -                           |
| 92           | L             | -                           |
| 96           | BR            | -                           |
| 99           | SB            | -                           |

|                |              |
|----------------|--------------|
| Connector No.  | M78          |
| Connector Name | WIRE TO WIRE |
| Connector Type | LO2MB-MC     |



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

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# POWER SUPPLY ROUTING CIRCUIT

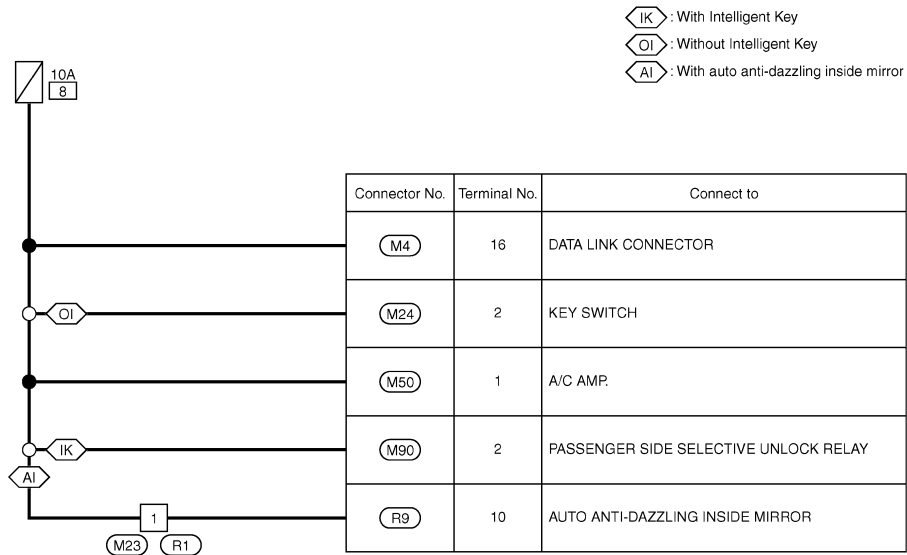
< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

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

INFOID:000000004231199

### BATTERY POWER SUPPLY FUSE No. 8



2008/07/15

JCMWM2880G

# POWER SUPPLY ROUTING CIRCUIT

## [POWER SUPPLY&GROUND CIRCUIT]

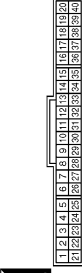
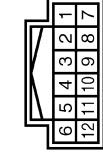
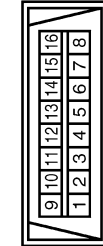
< COMPONENT DIAGNOSIS >

### BATTERY POWER SUPPLY FUSE No. 8

|                |                     |                |              |                |            |                |          |
|----------------|---------------------|----------------|--------------|----------------|------------|----------------|----------|
| Connector No.  | M4                  | Connector No.  | M23          | Connector No.  | M24        | Connector No.  | M60      |
| Connector Name | DATA LINK CONNECTOR | Connector Name | WIRE TO WIRE | Connector Name | KEY SWITCH | Connector Name | A/C AMP. |
| Connector Type | BD16FW              | Connector Type | TH12FW-NH    | Connector Type | TK2MBR-P   | Connector Type | SAB6FW   |

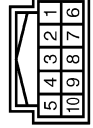
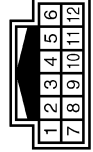
|                             |    |                             |    |                             |    |                             |    |                             |     |
|-----------------------------|----|-----------------------------|----|-----------------------------|----|-----------------------------|----|-----------------------------|-----|
| Terminal No.                | 16 | Terminal No.                | 1  | Terminal No.                | 2  | Terminal No.                | 1  | Terminal No.                | 10  |
| Color of Wire               | V  | Color of Wire               | LG | Color of Wire               | GR | Color of Wire               | LG | Color of Wire               | B/Y |
| Signal Name [Specification] |    | Signal Name [Specification] |    | Signal Name [Specification] |    | Signal Name [Specification] |    | Signal Name [Specification] | BAT |



|                |                                       |                |              |                |                                  |
|----------------|---------------------------------------|----------------|--------------|----------------|----------------------------------|
| Connector No.  | M90                                   | Connector No.  | R1           | Connector No.  | R9                               |
| Connector Name | PASSENGER SIDE SELECTIVE UNLOCK RELAY | Connector Name | WIRE TO WIRE | Connector Name | AUTO ANTI-DAZZLING INSIDE MIRROR |
| Connector Type | MS03FB-MZ-LC                          | Connector Type | TH12MW-NH    | Connector Type | TH10FB-NH                        |

|                             |    |                             |     |                             |     |                             |     |
|-----------------------------|----|-----------------------------|-----|-----------------------------|-----|-----------------------------|-----|
| Terminal No.                | 2  | Terminal No.                | 1   | Terminal No.                | 1   | Terminal No.                | 10  |
| Color of Wire               | LG | Color of Wire               | B/Y | Color of Wire               | B/Y | Color of Wire               | B/Y |
| Signal Name [Specification] |    | Signal Name [Specification] |     | Signal Name [Specification] |     | Signal Name [Specification] |     |



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# POWER SUPPLY ROUTING CIRCUIT

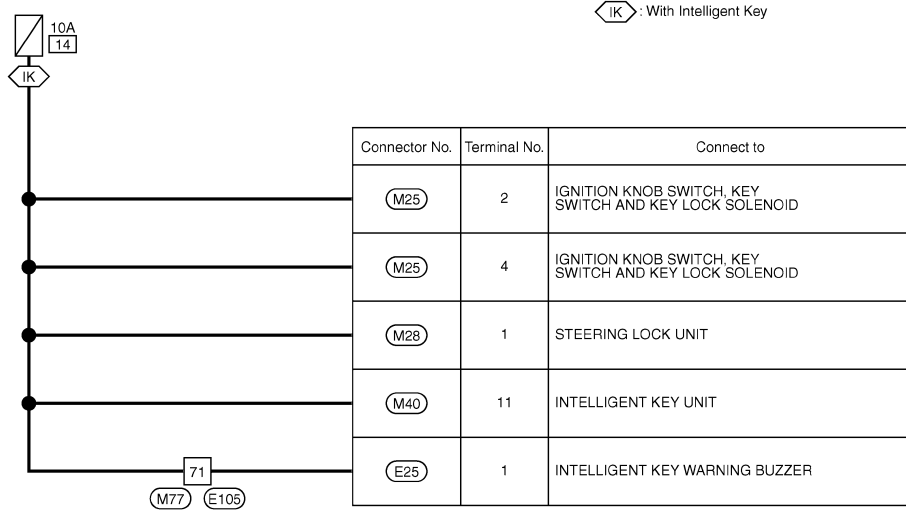
< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

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

INFOID:000000004231200

### BATTERY POWER SUPPLY FUSE No. 14



2008/07/15

JCMWM2882G

# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

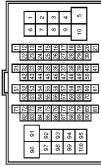
## BATTERY POWER SUPPLY FUSE No. 14

|                |                                |
|----------------|--------------------------------|
| Connector No.  | E23                            |
| Connector Name | INTELLIGENT KEY WARNING BUZZER |
| Connector Type | RK03FB                         |



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

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



|                             |    |   |   |
|-----------------------------|----|---|---|
| Terminal No.                | 71 | O | - |
| Color of Wire               |    |   |   |
| Signal Name [Specification] |    |   |   |

|                |  |
|----------------|--|
| Connector No.  | M25  |
| Connector Name | IGNITION KNIFE SWITCH KEY SWITCH AND KEY LOCK SOLENOID |
| Connector Type | TK08MGY  |



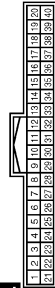
|                             |   |   |   |
|-----------------------------|---|---|---|
| Terminal No.                | 2 | R | - |
| Color of Wire               |   |   |   |
| Signal Name [Specification] |   |   |   |
| Terminal No.                | 4 | P | - |
| Color of Wire               |   | 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

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



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

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



|                             |    |   |       |
|-----------------------------|----|---|-------|
| Terminal No.                | 11 | R | BATT+ |
| Color of Wire               |    |   |       |
| Signal Name [Specification] |    |   |       |

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



|                             |    |   |   |
|-----------------------------|----|---|---|
| Terminal No.                | 71 | P | - |
| Color of Wire               |    |   |   |
| Signal Name [Specification] |    |   |   |

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# POWER SUPPLY ROUTING CIRCUIT

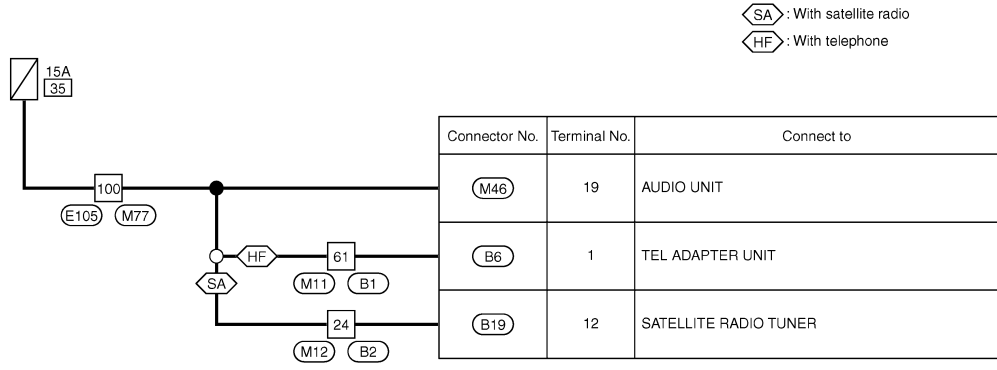
< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

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

INFOID:000000004231201

### BATTERY POWER SUPPLY FUSE No. 35



2008/07/15



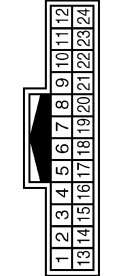
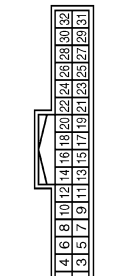
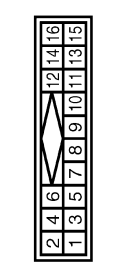
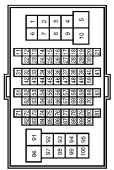
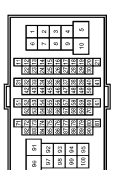
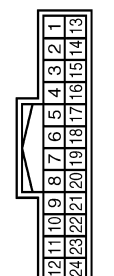
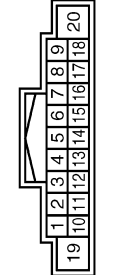
JCMWM2884G

# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## BATTERY POWER SUPPLY FUSE No. 35

|                       |                                 |  |                     |                                    |                     |
|-----------------------|---------------------------------|--|---------------------|------------------------------------|---------------------|
| Connector No.<br>BI   | WIRE TO WIRE<br>TH80FW-CS16-TM4 |   | Color of Wire<br>BR | Signal Name [Specification]<br>-   | Terminal No.<br>61  |
| Connector No.<br>B1   | WIRE TO WIRE<br>TH80FW-CS16-TM4 |   | Color of Wire<br>BR | Signal Name [Specification]<br>-   | Terminal No.<br>100 |
| Connector No.<br>B2   | WIRE TO WIRE<br>TH24MP-NH       |    | Color of Wire<br>BR | Signal Name [Specification]<br>-   | Terminal No.<br>24  |
| Connector No.<br>B5   | TEL ADAPTER UNIT<br>TH24FW-NH   |     | Color of Wire<br>BR | Signal Name [Specification]<br>BAT | Terminal No.<br>1   |
| Connector No.<br>B19  | SATELLITE RADIO TUNER<br>A18FW  |     | Color of Wire<br>BR | Signal Name [Specification]<br>BAT | Terminal No.<br>12  |
| Connector No.<br>E105 | WIRE TO WIRE<br>TH80FW-CS16-TM4 |  | Color of Wire<br>L  | Signal Name [Specification]<br>-   | Terminal No.<br>100 |
| Connector No.<br>M11  | WIRE TO WIRE<br>TH80FW-CS16-TM4 |  | Color of Wire<br>BR | Signal Name [Specification]<br>-   | Terminal No.<br>61  |
| Connector No.<br>M12  | WIRE TO WIRE<br>TH24FW-NH       |    | Color of Wire<br>BR | Signal Name [Specification]<br>-   | Terminal No.<br>24  |
| Connector No.<br>M46  | AUDIO UNIT<br>TH18FW-CS2        |    | Color of Wire<br>Y  | Signal Name [Specification]<br>BAT | Terminal No.<br>19  |

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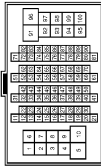
# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## BATTERY POWER SUPPLY FUSE No. 35

|                |                 |
|----------------|-----------------|
| Connector No.  | M77             |
| Connector Name | WIRE TO WIRE    |
| Connector Type | THB0MW-CSJF-TM4 |



|              |     |               |   |                             |   |
|--------------|-----|---------------|---|-----------------------------|---|
| Terminal No. | 100 | Color of Wire | Y | Signal Name [Specification] | - |
|--------------|-----|---------------|---|-----------------------------|---|

JCMWM2886G



# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

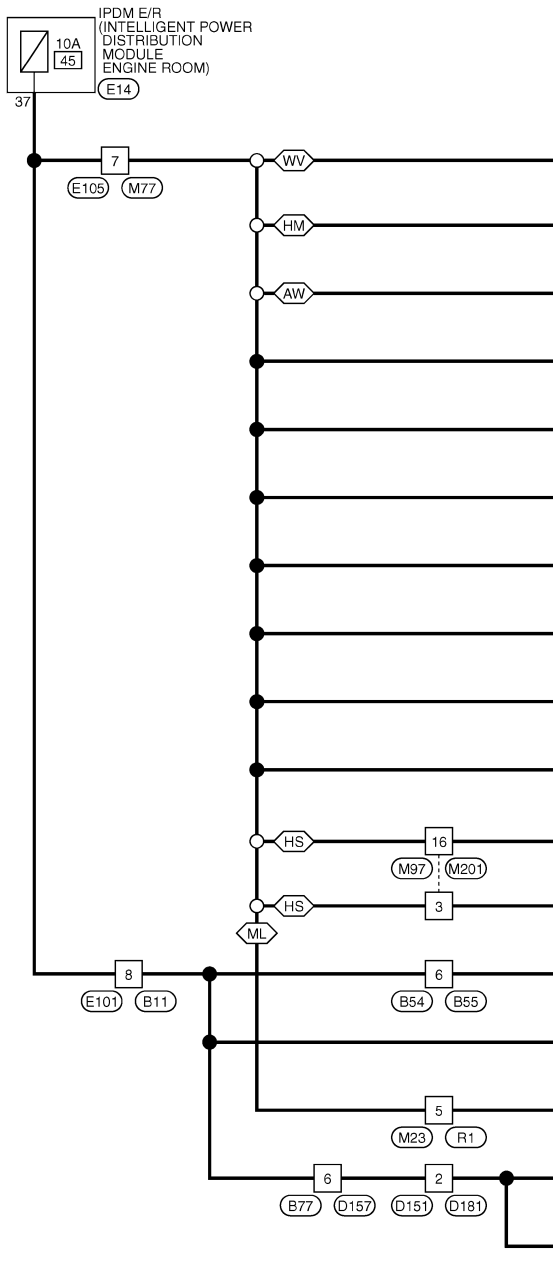
[POWER SUPPLY & GROUND CIRCUIT]

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

INFOID:000000004231202

### BATTERY POWER SUPPLY FUSE No. 45

- : AWD models
- : With VDC
- : With heated seat
- : With mood lamp
- : With headlamp manual aiming



| Connector No. | Terminal No. | Connect to                                     |
|---------------|--------------|--|
| (M5)          | 3            | VDC OFF SWITCH                                 |
| (M6)          | 3            | HEADLAMP AIMING SWITCH                         |
| (M8)          | 4            | AWD LOCK SWITCH                                |
| (M16)         | 1            | GLOVE BOX LAMP                                 |
| (M33)         | 33           | COMBINATION SWITCH (SPIRAL CABLE)              |
| (M45)         | 3            | HAZARD SWITCH                                  |
| (M46)         | 9            | AUDIO UNIT                                     |
| (M50)         | 23           | A/C AMP.                                       |
| (M52)         | 2            | DOOR MIRROR REMOTE CONTROL SWITCH ILLUMINATION |
| (M57)         | 5            | CONTROL DEVICE                                 |
| (M202)        | 5            | HEATED SEAT SWITCH LH                          |
| (M203)        | 5            | HEATED SEAT SWITCH RH                          |
| (B59)         | 1            | REAR COMBINATION LAMP RH                       |
| (B80)         | 1            | REAR COMBINATION LAMP LH                       |
| (R4)          | 6            | MAP LAMP                                       |
| (D195)        | 1            | LICENSE PLATE LAMP LH                          |
| (D196)        | 1            | LICENSE PLATE LAMP RH                          |

2008/07/15

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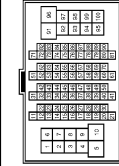
# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

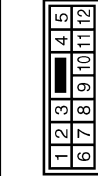
## BATTERY POWER SUPPLY FUSE No. 45

|                |                   |
|----------------|-------------------|
| Connector No.  | B11               |
| Connector Name | WIRE TO WIRE      |
| Connector Type | TH80MW-CS1(F-TM4) |



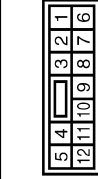
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|-----------------------------|---|---|--|
| Terminal No.                | 8 | R |  |
| Color of Wire               |   |   |  |
| Signal Name [Specification] |   |   |  |

|                |              |
|----------------|--------------|
| Connector No.  | B54          |
| Connector Name | WIRE TO WIRE |
| Connector Type | NS12MF-CS    |



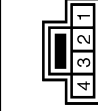
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| Terminal No.                | 6 | R |  |
| Color of Wire               |   |   |  |
| Signal Name [Specification] |   |   |  |

|                |              |
|----------------|--------------|
| Connector No.  | B55          |
| Connector Name | WIRE TO WIRE |
| Connector Type | NS12FW-CS    |



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

|                |                          |
|----------------|--------------------------|
| Connector No.  | B59                      |
| Connector Name | REAR COMBINATION LAMP RH |
| Connector Type | NS30MM-CS                |



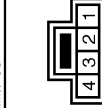
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| Terminal No.                | 1 | R |  |
| Color of Wire               |   |   |  |
| Signal Name [Specification] |   |   |  |

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



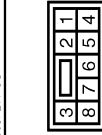
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|-----------------------------|---|---|--|
| Terminal No.                | 6 | R |  |
| Color of Wire               |   |   |  |
| Signal Name [Specification] |   |   |  |

|                |                          |
|----------------|--------------------------|
| Connector No.  | B60                      |
| Connector Name | REAR COMBINATION LAMP LH |
| Connector Type | NS30MM-CS                |



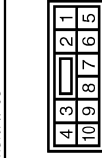
|                             |   |   |  |
|-----------------------------|---|---|--|
| Terminal No.                | 1 | R |  |
| Color of Wire               |   |   |  |
| Signal Name [Specification] |   |   |  |

|                |              |
|----------------|--------------|
| Connector No.  | D151         |
| Connector Name | WIRE TO WIRE |
| Connector Type | NS08FBF-CS   |



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

|                |              |
|----------------|--------------|
| Connector No.  | D157         |
| Connector Name | WIRE TO WIRE |
| Connector Type | NS10FW-CS    |



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

JCMWM2888G

# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## BATTERY POWER SUPPLY FUSE No. 45

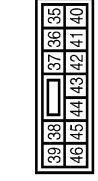
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|----------------|--------------|----------------|-----------------------|----------------|-----------------------|----------------|--|
| Connector No.  | D181         | Connector No.  | D195                  | Connector No.  | D196                  | Connector No.  | E14  |
| Connector Name | WIRE TO WIRE | Connector Name | LICENSE PLATE LAMP LH | Connector Name | LICENSE PLATE LAMP RH | Connector Name | IPDM E/R INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM) |
| Connector Type | NS308MR-CS   | Connector Type | TK02FBR               | Connector Type | TK02FBR               | Connector Type | NS12FBR-CS   |

|                             |   |                             |   |                             |   |                             |    |
|-----------------------------|---|-----------------------------|---|-----------------------------|---|-----------------------------|----|
| Terminal No.                | 2 | Terminal No.                | 1 | Terminal No.                | 1 | Terminal No.                | 37 |
| Color of Wire               | R | Color of Wire               | R | Color of Wire               | R | Color of Wire               | R  |
| Signal Name [Specification] |   | Signal Name [Specification] |   | Signal Name [Specification] |   | Signal Name [Specification] |    |

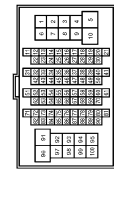
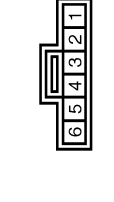
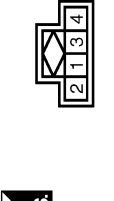
|                             |   |                             |   |                             |   |                             |   |
|-----------------------------|---|-----------------------------|---|-----------------------------|---|-----------------------------|---|
| Terminal No.          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



|                |                 |                |                 |                |                |                |                         |
|----------------|-----------------|----------------|-----------------|----------------|----------------|----------------|-------------------------|
| Connector No.  | E101            | Connector No.  | E105            | Connector No.  | M5             | Connector No.  | M6                      |
| Connector Name | WIRE TO WIRE    | Connector Name | WIRE TO WIRE    | Connector Name | VDC OFF SWITCH | Connector Name | HEADLAMP DIMMING SWITCH |
| Connector Type | TH80FW-CS16-TM4 | Connector Type | TH80FW-CS16-TM4 | Connector Type | TK08FGY        | Connector Type | A04FW                   |

|                             |   |                             |   |                             |   |                             |   |
|-----------------------------|---|-----------------------------|---|-----------------------------|---|-----------------------------|---|
| Terminal No.                | 8 | Terminal No.                | 7 | Terminal No.                | 3 | Terminal No.                | 3 |
| Color of Wire               | R | Color of Wire               | R | Color of Wire               | R | Color of Wire               | R |
| Signal Name [Specification] |   | Signal Name [Specification] |   | Signal Name [Specification] |   | Signal Name [Specification] |   |



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# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BATTERY POWER SUPPLY FUSE No. 45

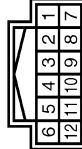
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|----------------|-----------------|
| Connector No.  | M8              |
| Connector Name | AWD LOCK SWITCH |
| Connector Type | TK06FW-TV       |



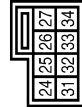
|                |                |
|----------------|----------------|
| Connector No.  | M16            |
| Connector Name | GLOVE BOX LAMP |
| Connector Type | A02FW          |



|                |              |
|----------------|--------------|
| Connector No.  | M23          |
| Connector Name | WIRE TO WIRE |
| Connector Type | TH12FW-RH    |



|                |                                   |
|----------------|-----------------------------------|
| Connector No.  | M33                               |
| Connector Name | COMBINATION SWITCH (SPIRAL CABLE) |
| Connector Type | TK08FGY-TV                        |



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

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

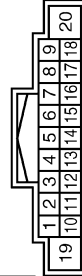
|              |   |               |   |                             |  |
|--------------|---|---------------|---|-----------------------------|--|
| Terminal No. | 5 | Color of Wire | R | Signal Name [Specification] |  |
|--------------|---|---------------|---|-----------------------------|--|

|              |    |               |   |                             |  |
|--------------|----|---------------|---|-----------------------------|--|
| Terminal No. | 33 | Color of Wire | R | Signal Name [Specification] |  |
|--------------|----|---------------|---|-----------------------------|--|

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



|                |            |
|----------------|------------|
| Connector No.  | M46        |
| Connector Name | AUDIO UNIT |
| Connector Type | TH18FW-CSZ |



|                |          |
|----------------|----------|
| Connector No.  | M50      |
| Connector Name | A/C AMP. |
| Connector Type | SA640FW  |



|                |  |
|----------------|--|
| Connector No.  | M52  |
| Connector Name | DOOR MIRROR REMOTE CONTROL SWITCH ILLUMINATION |
| Connector Type | A02FW  |



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

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

|              |    |               |    |                             |        |
|--------------|----|---------------|----|-----------------------------|--------|
| Terminal No. | 23 | Color of Wire | GR | Signal Name [Specification] | LIGHT+ |
|--------------|----|---------------|----|-----------------------------|--------|

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

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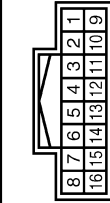
# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

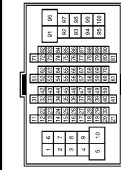
## BATTERY POWER SUPPLY FUSE No. 45

|                |                |
|----------------|----------------|
| Connector No.  | M57            |
| Connector Name | CONTROL DEVICE |
| Connector Type | TH16FW-NH      |



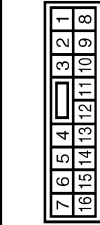
|              |   |   |                             |  |
|--------------|---|---|-----------------------------|--|
| Terminal No. | 5 | R | Signal Name [Specification] |  |
|--------------|---|---|-----------------------------|--|

|                |                  |
|----------------|------------------|
| Connector No.  | M77              |
| Connector Name | WIRE TO WIRE     |
| Connector Type | TH8GMH-CS(B-TM4) |



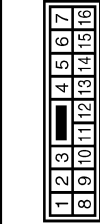
|              |   |   |                             |  |
|--------------|---|---|-----------------------------|--|
| Terminal No. | 7 | R | Signal Name [Specification] |  |
|--------------|---|---|-----------------------------|--|

|                |              |
|----------------|--------------|
| Connector No.  | M97          |
| Connector Name | WIRE TO WIRE |
| Connector Type | NS16FW-CS    |



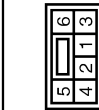
|              |    |   |                             |  |
|--------------|----|---|-----------------------------|--|
| Terminal No. | 3  | V | Signal Name [Specification] |  |
|              | 16 | R |                             |  |

|                |              |
|----------------|--------------|
| Connector No.  | M201         |
| Connector Name | WIRE TO WIRE |
| Connector Type | NS16MP-CS    |



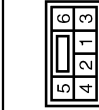
|              |    |   |                             |  |
|--------------|----|---|-----------------------------|--|
| Terminal No. | 3  | R | Signal Name [Specification] |  |
|              | 16 | R |                             |  |

|                |                       |
|----------------|-----------------------|
| Connector No.  | M202                  |
| Connector Name | HEATED SEAT SWITCH LH |
| Connector Type | NS06FW-CS             |



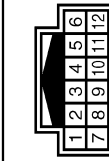
|              |   |   |                             |  |
|--------------|---|---|-----------------------------|--|
| Terminal No. | 5 | R | Signal Name [Specification] |  |
|--------------|---|---|-----------------------------|--|

|                |                       |
|----------------|-----------------------|
| Connector No.  | M203                  |
| Connector Name | HEATED SEAT SWITCH RH |
| Connector Type | NS06FBR-CS            |



|              |   |   |                             |  |
|--------------|---|---|-----------------------------|--|
| Terminal No. | 5 | R | Signal Name [Specification] |  |
|--------------|---|---|-----------------------------|--|

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



|              |   |    |                             |  |
|--------------|---|----|-----------------------------|--|
| Terminal No. | 5 | GR | Signal Name [Specification] |  |
|--------------|---|----|-----------------------------|--|

|                |          |
|----------------|----------|
| Connector No.  | R4       |
| Connector Name | MAP LAMP |
| Connector Type | TK06FGY  |



|              |   |    |                             |  |
|--------------|---|----|-----------------------------|--|
| Terminal No. | 6 | GR | Signal Name [Specification] |  |
|--------------|---|----|-----------------------------|--|

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# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

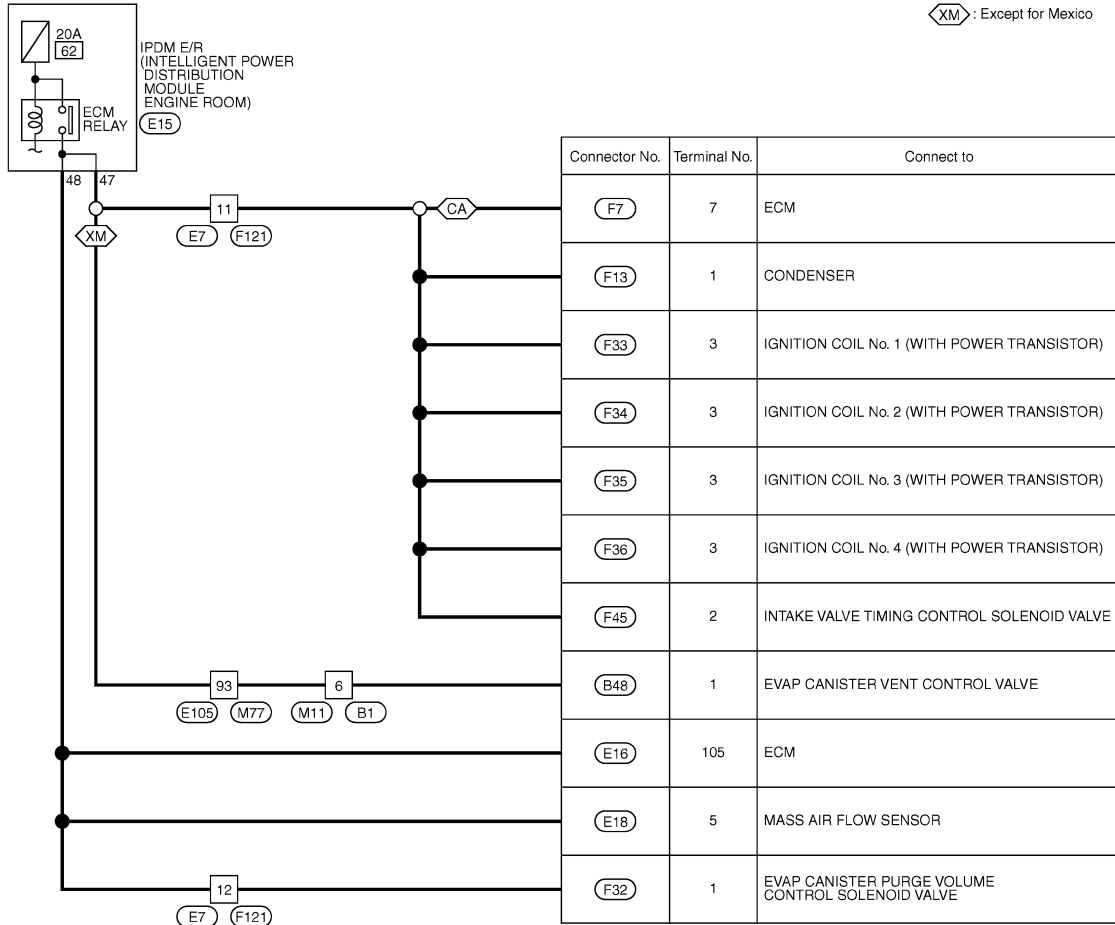
[POWER SUPPLY&GROUND CIRCUIT]

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

INFOID:000000004231203

### BATTERY POWER SUPPLY FUSE No. 62

CA : For California  
 XM : Except for Mexico



2008/07/15

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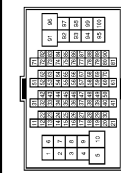
# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## BATTERY POWER SUPPLY FUSE No. 62

|                |                 |
|----------------|-----------------|
| Connector No.  | B1              |
| Connector Name | WIRE TO WIRE    |
| Connector Type | TH80FW-CS1F-TM4 |



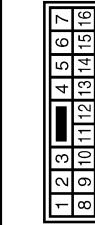
|                             |   |    |   |
|-----------------------------|---|----|---|
| Terminal No.                | 6 | BR | R |
| Color of Wire               |   |    |   |
| Signal Name [Specification] |   |    |   |

|                |                                  |
|----------------|----------------------------------|
| Connector No.  | B48                              |
| Connector Name | EVAP CANISTER VENT CONTROL VALVE |
| Connector Type | E02FB-RS                         |



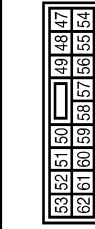
|                             |   |    |  |
|-----------------------------|---|----|--|
| Terminal No.                | 1 | BR |  |
| Color of Wire               |   |    |  |
| Signal Name [Specification] |   |    |  |

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



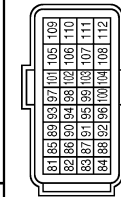
|                             |    |    |   |
|-----------------------------|----|----|---|
| Terminal No.                | 11 | BR | R |
| Color of Wire               |    |    |   |
| Signal Name [Specification] |    |    |   |

|                |  |
|----------------|--|
| Connector No.  | E15  |
| Connector Name | IPDM E/R INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM |
| Connector Type | NS18FW-CS  |



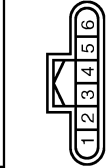
|                             |    |    |   |
|-----------------------------|----|----|---|
| Terminal No.                | 47 | BR | R |
| Color of Wire               |    |    |   |
| Signal Name [Specification] |    |    |   |

|                |                 |
|----------------|-----------------|
| Connector No.  | E16             |
| Connector Name | ECM             |
| Connector Type | RH24FB-RZ8-L-LH |



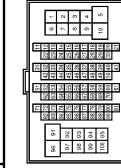
|                             |     |   |     |
|-----------------------------|-----|---|-----|
| Terminal No.                | 105 | R |     |
| Color of Wire               |     |   |     |
| Signal Name [Specification] |     |   | VBR |

|                |                      |
|----------------|----------------------|
| Connector No.  | E18                  |
| Connector Name | MASS AIR FLOW SENSOR |
| Connector Type | RH06FB               |



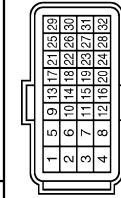
|                             |   |   |  |
|-----------------------------|---|---|--|
| Terminal No.                | 5 | G |  |
| Color of Wire               |   |   |  |
| Signal Name [Specification] |   |   |  |

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



|                             |    |    |  |
|-----------------------------|----|----|--|
| Terminal No.                | 93 | BR |  |
| Color of Wire               |    |    |  |
| Signal Name [Specification] |    |    |  |

|                |                   |
|----------------|-------------------|
| Connector No.  | F7                |
| Connector Name | ECM               |
| Connector Type | RH24FGY-RZ8-RF-LH |



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

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# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## BATTERY POWER SUPPLY FUSE No. 62

|                |           |
|----------------|-----------|
| Connector No.  | F13       |
| Connector Name | CONDENSER |
| Connector Type | MD2FW-LC  |



|              |   |    |                             |   |
|--------------|---|----|-----------------------------|---|
| Terminal No. | 1 | BR | Signal Name [Specification] | - |
|--------------|---|----|-----------------------------|---|

|                |   |
|----------------|---|
| Connector No.  | F32   |
| Connector Name | EVAP CANISTER PURGE VOLUME CONTROL SOLENOID VALVE |
| Connector Type | ED2EL-RS-LGY                                      |



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

|                |   |
|----------------|---|
| Connector No.  | F33   |
| Connector Name | IGNITION COIL No. 1 (WITH POWER TRANSISTOR) |
| Connector Type | E03FGY-RS                                   |



|              |   |    |                             |   |
|--------------|---|----|-----------------------------|---|
| Terminal No. | 3 | BR | Signal Name [Specification] | - |
|--------------|---|----|-----------------------------|---|

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



|              |   |    |                             |   |
|--------------|---|----|-----------------------------|---|
| Terminal No. | 3 | BR | Signal Name [Specification] | - |
|--------------|---|----|-----------------------------|---|

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



|              |   |    |                             |   |
|--------------|---|----|-----------------------------|---|
| Terminal No. | 3 | BR | Signal Name [Specification] | - |
|--------------|---|----|-----------------------------|---|

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



|              |   |    |                             |   |
|--------------|---|----|-----------------------------|---|
| Terminal No. | 3 | BR | Signal Name [Specification] | - |
|--------------|---|----|-----------------------------|---|

|                |  |
|----------------|--|
| Connector No.  | F45  |
| Connector Name | INTAKE VALVE TIMING CONTROL SOLENOID VALVE |
| Connector Type | ED2FG-RS-LGY                               |



|              |   |    |                             |   |
|--------------|---|----|-----------------------------|---|
| Terminal No. | 2 | BR | Signal Name [Specification] | - |
|--------------|---|----|-----------------------------|---|

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



|              |    |    |                             |   |
|--------------|----|----|-----------------------------|---|
| Terminal No. | 11 | BR | Signal Name [Specification] | - |
| Terminal No. | 12 | R  | Signal Name [Specification] | - |

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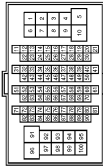
# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

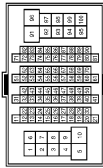
## BATTERY POWER SUPPLY FUSE No. 62

|                |                 |
|----------------|-----------------|
| Connector No.  | M11             |
| Connector Name | WIRE TO WIRE    |
| Connector Type | TH80PW-CS16-TM4 |



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

|                |                 |
|----------------|-----------------|
| Connector No.  | M77             |
| Connector Name | WIRE TO WIRE    |
| Connector Type | TH80MP-CS16-TM4 |



|              |    |               |   |                             |   |
|--------------|----|---------------|---|-----------------------------|---|
| Terminal No. | 93 | Color of Wire | P | Signal Name [Specification] | - |
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# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

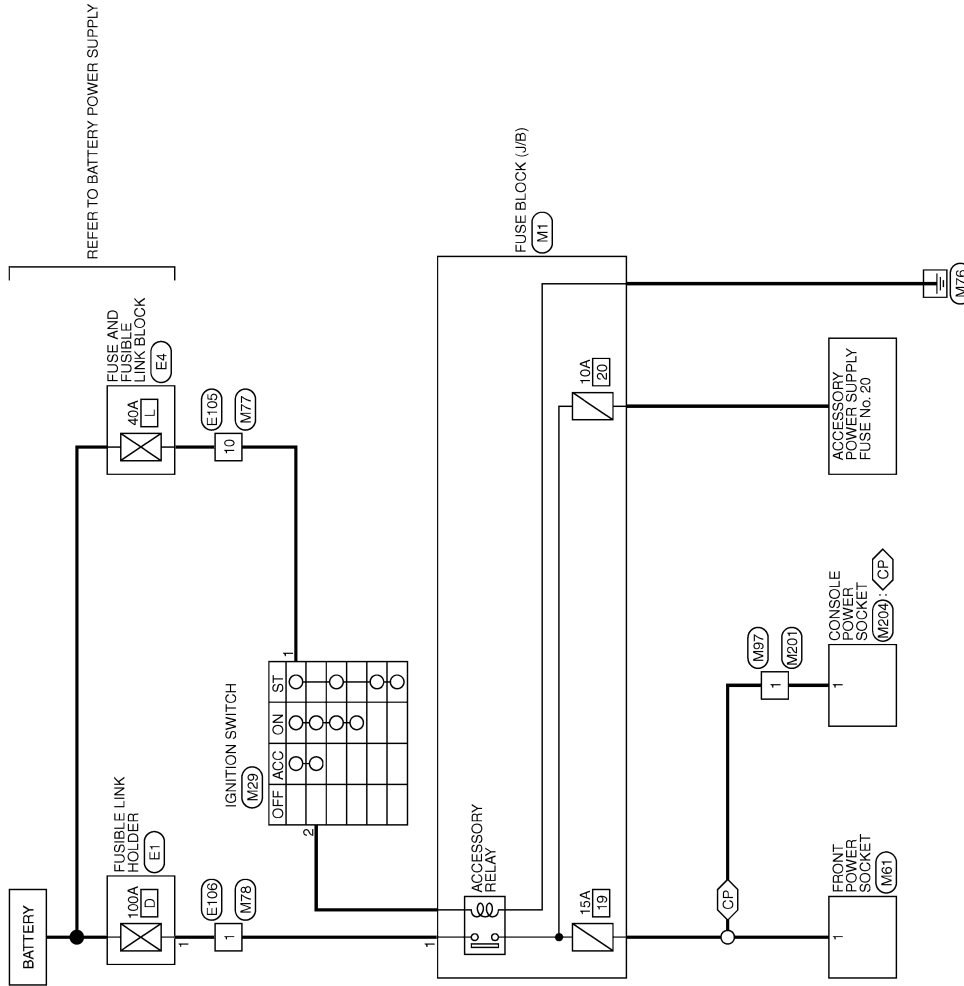
[POWER SUPPLY & GROUND CIRCUIT]

## Wiring Diagram - ACCESSORY POWER SUPPLY -

INFOID:000000004231204

CP: With console power socket

### ACCESSORY POWER SUPPLY



REFER TO BATTERY POWER SUPPLY

FUSE BLOCK (J/B) (M1)

2008/07/15




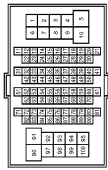









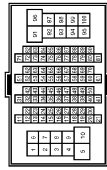


JCMWM2896G

# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## ACCESSORY POWER SUPPLY

|                       |                                       |                                    |  |                    |                          |                             |  |
|-----------------------|---------------------------------------|------------------------------------|--|--------------------|--------------------------|-----------------------------|--|
| Connector No.<br>E1   | Connector Name<br>FUSIBLE LINK HOLDER | Connector Type<br>LO2FCY-MC        | <br> | Terminal No.<br>1  | Color of Wire<br>L       | Signal Name [Specification] |  |
| Connector No.<br>E106 | Connector Name<br>WIRE TO WIRE        | Connector Type<br>TH8GFIY-CS16-TM4 | <br> | Terminal No.<br>10 | Color of Wire<br>L       | Signal Name [Specification] |  |
| Connector No.<br>E106 | Connector Name<br>WIRE TO WIRE        | Connector Type<br>LO2FB-MC         | <br>     | Terminal No.<br>1  | Color of Wire<br>L       | Signal Name [Specification] |  |
| Connector No.<br>M1   | Connector Name<br>FUSE BLOCK (J/B)    | Connector Type<br>-                | <br>     | Terminal No.<br>1  | Color of Wire<br>L       | Signal Name [Specification] |  |
| Connector No.<br>M29  | Connector Name<br>IGNITION SWITCH     | Connector Type<br>M08FW-LC         | <br> | Terminal No.<br>2  | Color of Wire<br>L<br>BR | Signal Name [Specification] |  |
| Connector No.<br>M61  | Connector Name<br>FRONT POWER SOCKET  | Connector Type<br>P02FB-Z          | <br> | Terminal No.<br>1  | Color of Wire<br>O       | Signal Name [Specification] |  |
| Connector No.<br>M77  | Connector Name<br>WIRE TO WIRE        | Connector Type<br>TH8DMW-CS16-TM4  | <br>     | Terminal No.<br>10 | Color of Wire<br>L       | Signal Name [Specification] |  |
| Connector No.<br>M78  | Connector Name<br>WIRE TO WIRE        | Connector Type<br>LO2MB-MC         | <br>     | Terminal No.<br>1  | Color of Wire<br>L       | Signal Name [Specification] |  |

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# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## ACCESSORY POWER SUPPLY

|                |              |
|----------------|--------------|
| Connector No.  | M97          |
| Connector Name | WIRE TO WIRE |
| Connector Type | NS16FW-CS    |



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

|                |              |
|----------------|--------------|
| Connector No.  | M201         |
| Connector Name | WIRE TO WIRE |
| Connector Type | NS16MP-CS    |



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

|                |                      |
|----------------|----------------------|
| Connector No.  | M204                 |
| Connector Name | CONSOLE POWER SOCKET |
| Connector Type | F02FB-Z              |



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

JCMWM2898G

# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

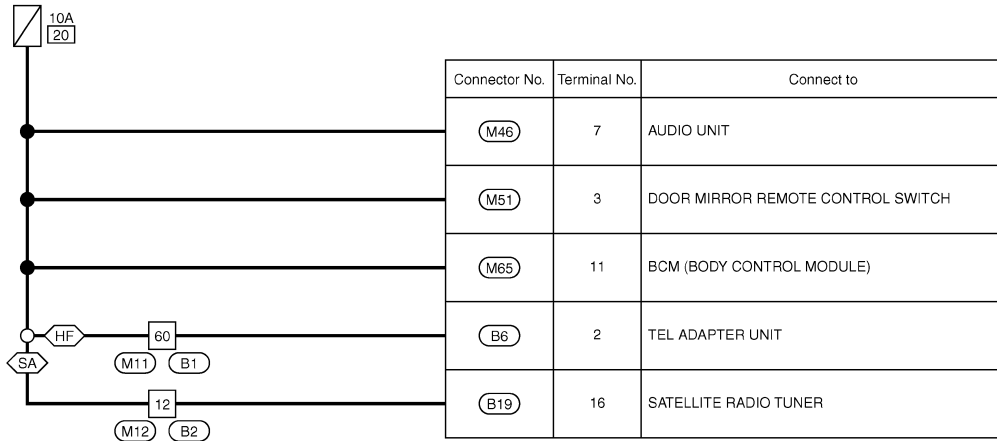
[POWER SUPPLY&GROUND CIRCUIT]

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

INFOID:000000004231205

### ACCESSORY POWER SUPPLY FUSE No. 20

SA : With satellite radio  
 HF : With telephone



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2008/07/15

JCMWM2899GI


# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

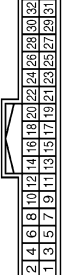
## ACCESSORY POWER SUPPLY FUSE No. 20

|                |                       |
|----------------|-----------------------|
| Connector No.  | B19                   |
| Connector Name | SATELLITE RADIO TUNER |
| Connector Type | A18FW                 |




|              |    |               |    |                             |     |
|--------------|----|---------------|----|-----------------------------|-----|
| Terminal No. | 16 | Color of Wire | SB | Signal Name [Specification] | ACC |
|--------------|----|---------------|----|-----------------------------|-----|

|                |                  |
|----------------|------------------|
| Connector No.  | B5               |
| Connector Name | TEL ADAPTER UNIT |
| Connector Type | TH2FW-NH         |




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

|                |              |
|----------------|--------------|
| Connector No.  | B2           |
| Connector Name | WIRE TO WIRE |
| Connector Type | TH2AMP-NH    |



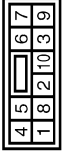
|              |    |               |    |                             |   |
|--------------|----|---------------|----|-----------------------------|---|
| Terminal No. | 12 | Color of Wire | SB | Signal Name [Specification] | - |
|--------------|----|---------------|----|-----------------------------|---|

|                |                 |
|----------------|-----------------|
| Connector No.  | B1              |
| Connector Name | WIRE TO WIRE    |
| Connector Type | TH80FW-CS16-TM4 |




|              |    |               |    |                             |   |
|--------------|----|---------------|----|-----------------------------|---|
| Terminal No. | 60 | Color of Wire | SB | Signal Name [Specification] | - |
|--------------|----|---------------|----|-----------------------------|---|

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




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

|                |            |
|----------------|------------|
| Connector No.  | M46        |
| Connector Name | AUDIO UNIT |
| Connector Type | TH18FW-GS2 |




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

|                |              |
|----------------|--------------|
| Connector No.  | M12          |
| Connector Name | WIRE TO WIRE |
| Connector Type | TH24FW-NH    |



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

|                |                 |
|----------------|-----------------|
| Connector No.  | M11             |
| Connector Name | WIRE TO WIRE    |
| Connector Type | TH60FW-CS16-TM4 |



|              |    |               |    |                             |   |
|--------------|----|---------------|----|-----------------------------|---|
| Terminal No. | 60 | Color of Wire | SB | Signal Name [Specification] | - |
|--------------|----|---------------|----|-----------------------------|---|

JCMWM2900G

# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

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## ACCESSORY POWER SUPPLY FUSE No. 20

|                |                           |
|----------------|---------------------------|
| Connector No.  | M65                       |
| Connector Name | BCM (BODY CONTROL MODULE) |
| Connector Type | TH40FV-NH                 |



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

|              |    |    |                             |     |
|--------------|----|----|-----------------------------|-----|
| Terminal No. | 11 | SB | Signal Name [Specification] | ACC |
|--------------|----|----|-----------------------------|-----|

PG

JCMWM2901G1

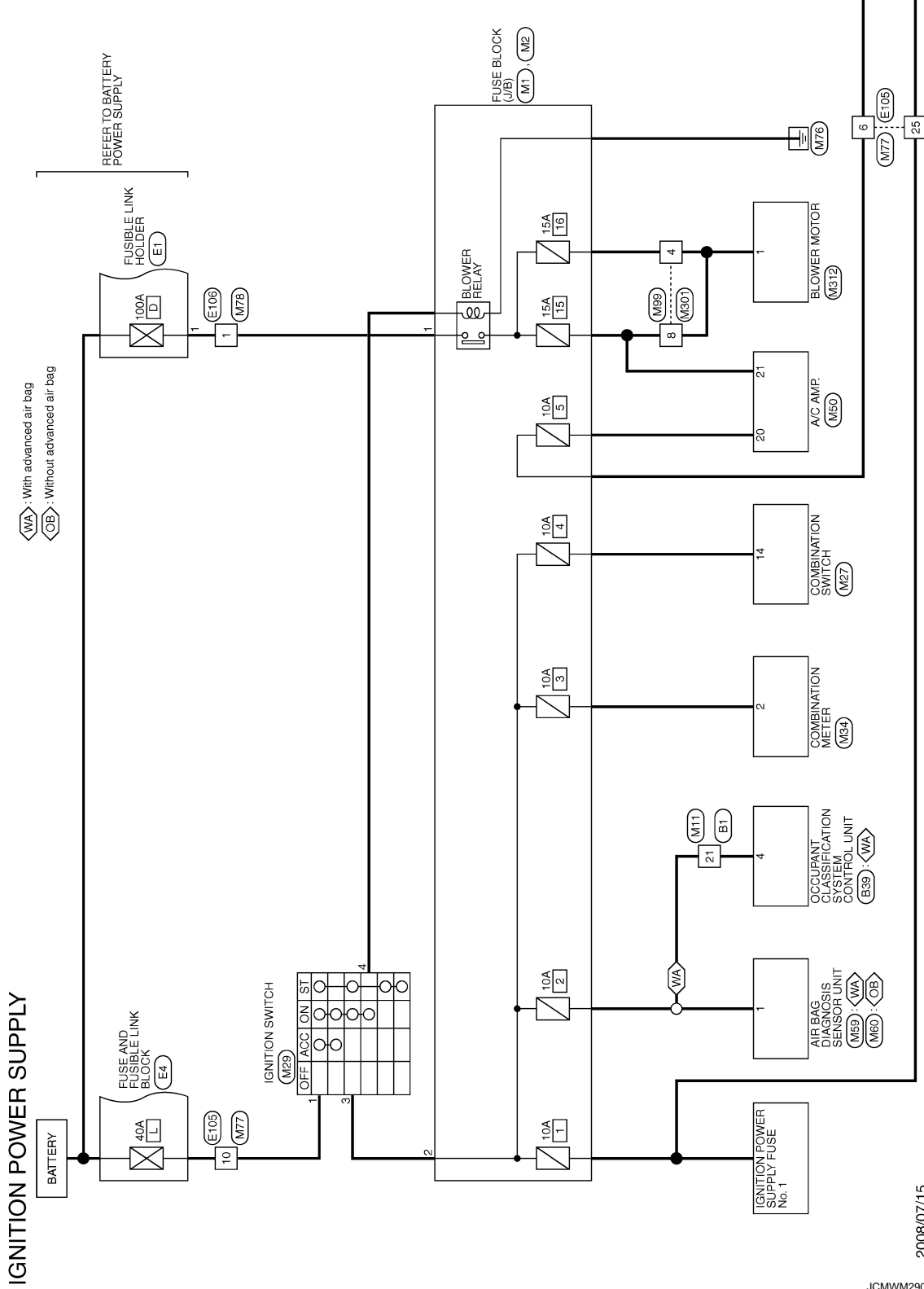
# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Wiring Diagram - IGNITION POWER SUPPLY -

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2008/07/15

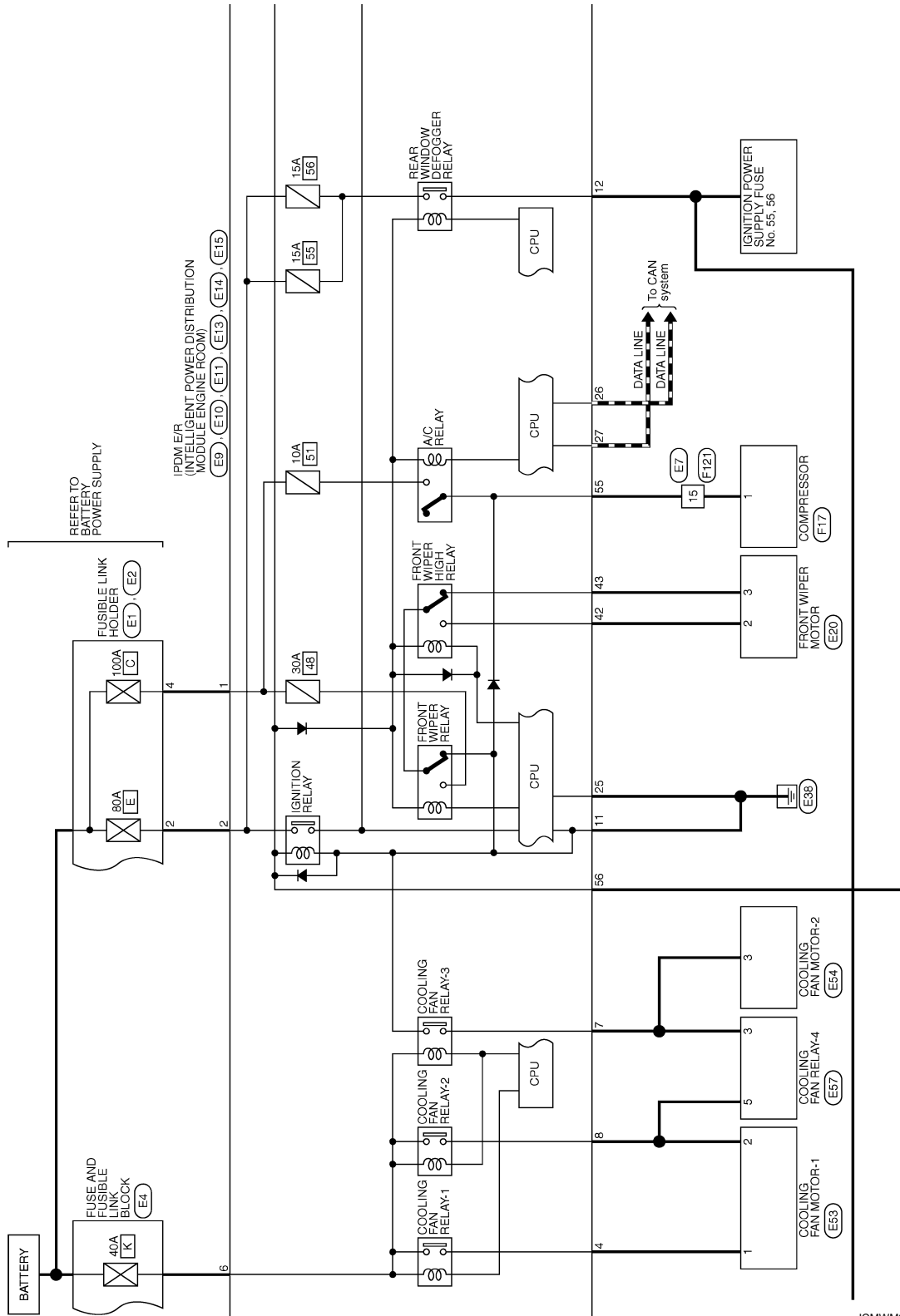
JCMWM2902G



# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]



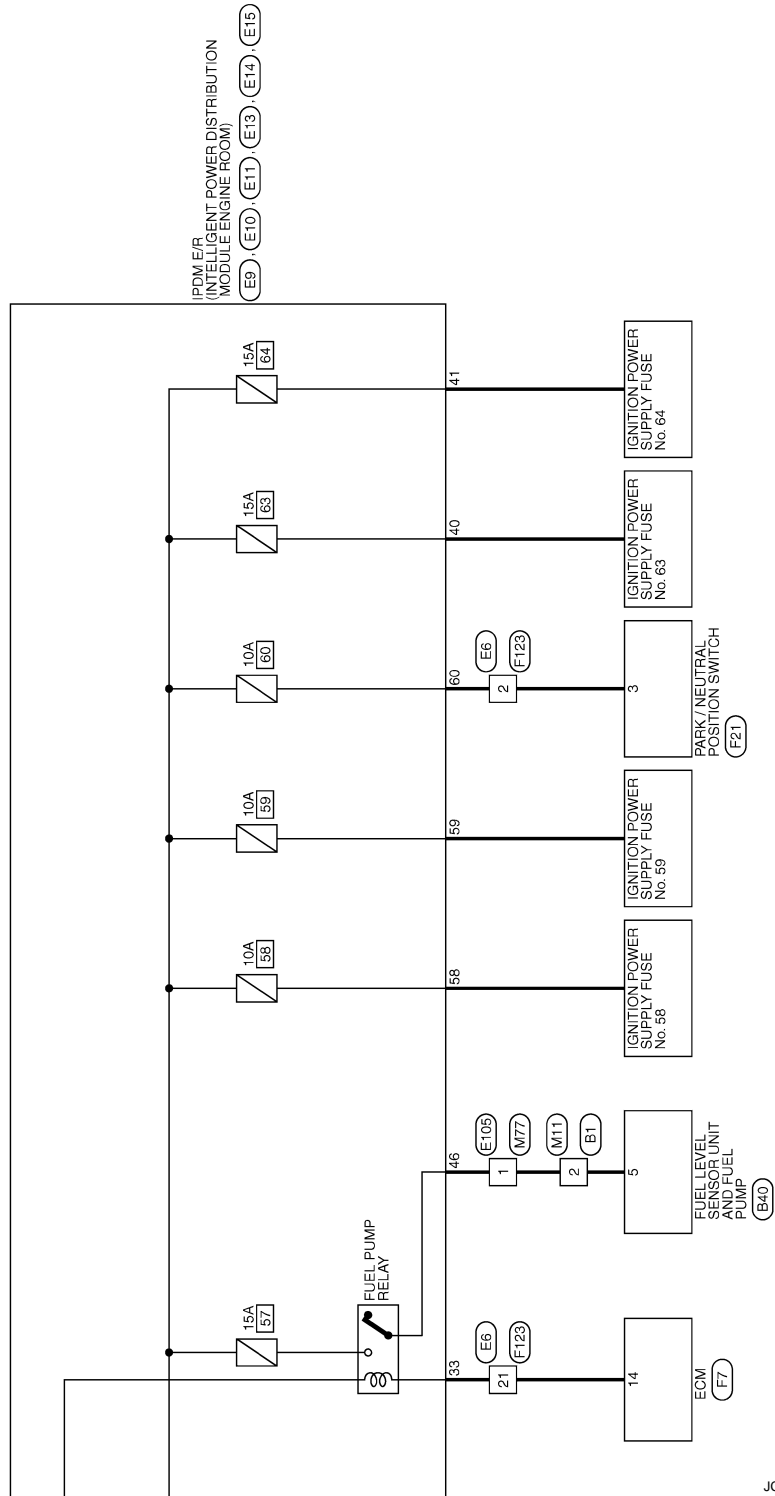
JCMWM2903GI

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# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]



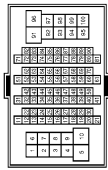


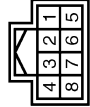






JCMWM2904G

# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## IGNITION POWER SUPPLY

|                     |   |   |                         |                           |   |
|---------------------|---|---|-------------------------|---------------------------|---|
| Connector No.<br>BI | WIRE TO WIRE<br>TH80MW-CS (F-TM4)   |  | Terminal No.<br>2<br>21 | Color of Wire<br>BR<br>R  | Signal Name [Specification]<br>--<br>-- |
| Connector No.<br>E1 | FUSIBLE LINK HOLDER<br>LO2F8Y-MC  |    | Terminal No.<br>1<br>2  | Color of Wire<br>L<br>G   | Signal Name [Specification]<br>--<br>-- |
| Connector No.<br>E2 | FUSIBLE LINK HOLDER<br>LO2F8R-MC-B  |  | Terminal No.<br>4       | Color of Wire<br>R        | Signal Name [Specification]<br>--       |
| Connector No.<br>E3 | OCCUPANT CLASSIFICATION SYSTEM CONTROL UNIT<br>TR06F1P-HH                 |  | Terminal No.<br>4       | Color of Wire<br>R        | Signal Name [Specification]<br>IGN      |
| Connector No.<br>E4 | FUEL LEVEL SENSOR UNIT AND FUEL PUMP<br>E08F8Y-RS                         |    | Terminal No.<br>5       | Color of Wire<br>BR       | Signal Name [Specification]<br>--       |
| Connector No.<br>E5 | WIRE TO WIRE<br>TK24MW-IV   |   | Terminal No.<br>2<br>21 | Color of Wire<br>SB<br>GR | Signal Name [Specification]<br>--<br>-- |
| Connector No.<br>E6 | WIRE TO WIRE<br>TK24MW-IV   |   | Terminal No.<br>15      | Color of Wire<br>O        | Signal Name [Specification]<br>--       |
| Connector No.<br>E7 | WIRE TO WIRE<br>NS16MW-CS   |    | Terminal No.<br>15      | Color of Wire<br>O        | Signal Name [Specification]<br>--       |
| Connector No.<br>E8 | FUSIBLE LINK HOLDER<br>LO2F8R-MC-B  |  | Terminal No.<br>4       | Color of Wire<br>R        | Signal Name [Specification]<br>--       |
| Connector No.<br>E9 | IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)<br>LO2F8R-MC |    | Terminal No.<br>1<br>2  | Color of Wire<br>R<br>G   | Signal Name [Specification]<br>--<br>-- |

JCMWM2905G1

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# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## IGNITION POWER SUPPLY

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



|    |    |    |    |    |
|----|----|----|----|----|
| 39 | 38 | 37 | 36 | 35 |
| 46 | 45 | 44 | 43 | 42 |
| 41 | 40 |    |    |    |

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 40           | BR            | -                           |
| 41           | O             | -                           |
| 42           | L             | -                           |
| 43           | G             | -                           |
| 46           | W             | -                           |

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



|    |    |    |    |    |    |
|----|----|----|----|----|----|
| 28 | 27 | 26 | 25 | 24 | 23 |
| 34 | 33 | 32 | 31 | 30 | 29 |

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 25           | B             | -                           |
| 26           | P             | -                           |
| 27           | L             | -                           |
| 33           | GR            | -                           |

|                |  |
|----------------|--|
| Connector No.  | E11  |
| Connector Name | IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) |
| Connector Type | M06FB-LC   |



|    |    |    |
|----|----|----|
| 11 | 10 | 9  |
| 14 | 13 | 12 |

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

|                |  |
|----------------|--|
| Connector No.  | E10  |
| Connector Name | IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) |
| Connector Type | M08FW-LC   |



|   |   |   |
|---|---|---|
| 5 | 4 | 3 |
| 8 | 7 | 6 |

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

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



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

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



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

|                |                   |
|----------------|-------------------|
| Connector No.  | E20               |
| Connector Name | FRONT WIPER MOTOR |
| Connector Type | RS06FGY-PR        |



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

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



|    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|
| 53 | 52 | 51 | 50 | 49 | 48 | 47 |
| 62 | 61 | 60 | 59 | 58 | 57 | 56 |
| 55 | 54 | 53 | 52 | 51 | 50 | 49 |
| 48 | 47 | 46 | 45 | 44 | 43 | 42 |

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

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

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

| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 55           | O             | -                           |
| 56           | SB            | -                           |
| 58           | LG            | -                           |
| 59           | BR            | -                           |
| 60           | SB            | -                           |

JCMWM2906G

# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## IGNITION POWER SUPPLY

|                |                  |                |              |                |                  |                |            |
|----------------|------------------|----------------|--------------|----------------|------------------|----------------|------------|
| Connector No.  | E17              | Connector No.  | E106         | Connector No.  | E105             | Connector No.  | E17        |
| Connector Name | ECM              | Connector Name | WIRE TO WIRE | Connector Name | WIRE TO WIRE     | Connector Name | COMPRESSOR |
| Connector Type | RH24FGY-R2P-R-LH | Connector Type | L02FB-MC     | Connector Type | TR48PFR-CS16-TM4 | Connector Type | RH02FB     |

|                             |     |                             |   |                             |   |                             |   |
|-----------------------------|-----|-----------------------------|---|-----------------------------|---|-----------------------------|---|
| Terminal No.                | 14  | Terminal No.                | 1 | Terminal No.                | 1 | Terminal No.                | 3 |
| Color of Wire               | GR  | Color of Wire               | L | Color of Wire               | W | Color of Wire               | P |
| Signal Name [Specification] | FRR | Signal Name [Specification] | - | Signal Name [Specification] | - | Signal Name [Specification] | - |

|                             |    |                             |    |                             |    |                             |   |
|-----------------------------|----|-----------------------------|----|-----------------------------|----|-----------------------------|---|
| Terminal No.                | 2  | Terminal No.                | 15 | Terminal No.                | 3  | Terminal No.                | 1 |
| Color of Wire               | SB | Color of Wire               | Y  | Color of Wire               | SB | Color of Wire               | Y |
| Signal Name [Specification] | -  | Signal Name [Specification] | -  | Signal Name [Specification] | -  | Signal Name [Specification] | - |

|                |              |                |              |                |                                |                |            |
|----------------|--------------|----------------|--------------|----------------|--------------------------------|----------------|------------|
| Connector No.  | F123         | Connector No.  | F121         | Connector No.  | F21                            | Connector No.  | F17        |
| Connector Name | WIRE TO WIRE | Connector Name | WIRE TO WIRE | Connector Name | PARK / NEUTRAL POSITION SWITCH | Connector Name | COMPRESSOR |
| Connector Type | TR24FW-1V    | Connector Type | NS18FW-CS    | Connector Type | RK08FG                         | Connector Type | RH02FB     |

|                             |    |                             |   |                             |    |                             |   |
|-----------------------------|----|-----------------------------|---|-----------------------------|----|-----------------------------|---|
| Terminal No.                | 21 | Terminal No.                | 7 | Terminal No.                | 7  | Terminal No.                | 1 |
| Color of Wire               | GR | Color of Wire               | Y | Color of Wire               | SB | Color of Wire               | Y |
| Signal Name [Specification] | -  | Signal Name [Specification] | - | Signal Name [Specification] | -  | Signal Name [Specification] | - |

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JCMWM2907G1

# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

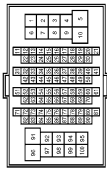
[POWER SUPPLY&GROUND CIRCUIT]

## IGNITION POWER SUPPLY

|                |                  |                |                  |                |                 |                |                    |
|----------------|------------------|----------------|------------------|----------------|-----------------|----------------|--------------------|
| Connector No.  | M1               | Connector No.  | M2               | Connector No.  | M11             | Connector No.  | M27                |
| Connector Name | FUSE BLOCK (J/B) | Connector Name | FUSE BLOCK (J/B) | Connector Name | WIRE TO WIRE    | Connector Name | COMBINATION SWITCH |
| Connector Type | -                | Connector Type | -                | Connector Type | TH80FW-GS16-TM4 | Connector Type | TK16FW             |

|                             |   |                             |   |                             |    |                             |     |
|-----------------------------|---|-----------------------------|---|-----------------------------|----|-----------------------------|-----|
| Terminal No.                | 1 | Terminal No.                | 2 | Terminal No.                | 2  | Terminal No.                | 14  |
| Color of Wire               | L | Color of Wire               | P | Color of Wire               | BR | Color of Wire               | BR  |
| Signal Name [Specification] | - | Signal Name [Specification] | - | Signal Name [Specification] | -  | Signal Name [Specification] | IGN |



|                |                 |                |                   |                |          |                |   |
|----------------|-----------------|----------------|-------------------|----------------|----------|----------------|---|
| Connector No.  | M29             | Connector No.  | M34               | Connector No.  | M50      | Connector No.  | M59   |
| Connector Name | IGNITION SWITCH | Connector Name | COMBINATION METER | Connector Name | A/C AMP. | Connector Name | AIR BAG DIAGNOSIS SENSOR UNIT (WITH ADVANCED AIR BAG) |
| Connector Type | M08FW-LC        | Connector Type | SAB40FW           | Connector Type | SAB40FW  | Connector Type | TK28FY-EX-SC  |

|                             |   |                             |     |                             |            |                             |     |
|-----------------------------|---|-----------------------------|-----|-----------------------------|------------|-----------------------------|-----|
| Terminal No.                | 1 | Terminal No.                | 2   | Terminal No.                | 20         | Terminal No.                | 1   |
| Color of Wire               | L | Color of Wire               | O   | Color of Wire               | GR         | Color of Wire               | R   |
| Signal Name [Specification] | - | Signal Name [Specification] | IGN | Signal Name [Specification] | RR DEF F/S | Signal Name [Specification] | IGN |



JCMWM2908G

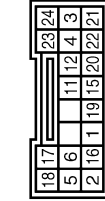
# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

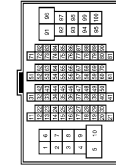
## IGNITION POWER SUPPLY

|                |  |
|----------------|--|
| Connector No.  | M6D  |
| Connector Name | AIR BAG DIAGNOSIS SENSOR UNIT (WITHOUT ADVANCED AIR BAG) |
| Connector Type | TK2DY-EX-SC  |



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

|                |                  |
|----------------|------------------|
| Connector No.  | M77              |
| Connector Name | WIRE TO WIRE     |
| Connector Type | TH6BMH-CS(B-TM4) |



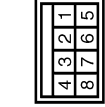
| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | BR            |                             |
| 6            | G             |                             |
| 10           | L             |                             |
| 25           | W             |                             |

|                |              |
|----------------|--------------|
| Connector No.  | M78          |
| Connector Name | WIRE TO WIRE |
| Connector Type | L02MF-MC     |



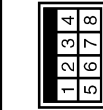
| Terminal No. | Color of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | L             |                             |

|                |              |
|----------------|--------------|
| Connector No.  | M89          |
| Connector Name | WIRE TO WIRE |
| Connector Type | M02FW-GY-LC  |



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

|                |              |
|----------------|--------------|
| Connector No.  | M301         |
| Connector Name | WIRE TO WIRE |
| Connector Type | M03BMW-GY-LC |



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

|                |              |
|----------------|--------------|
| Connector No.  | M312         |
| Connector Name | BLOWER MOTOR |
| Connector Type | M02FW-LC     |



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

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# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

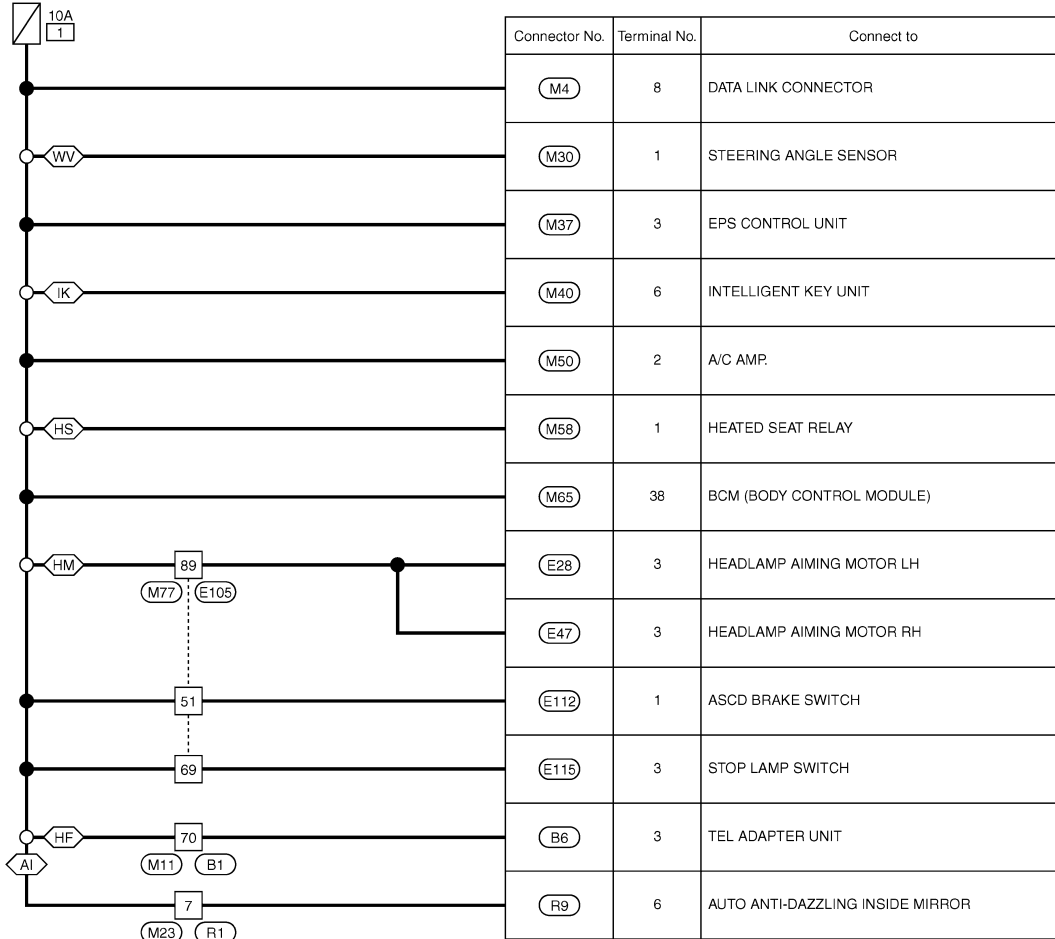
[POWER SUPPLY&GROUND CIRCUIT]

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

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### IGNITION POWER SUPPLY FUSE No. 1

-  : With VDC
-  : With Intelligent Key
-  : With headlamp manual aiming
-  : With heated seat
-  : With auto anti-dazzling inside mirror
-  : With telephone



2008/07/15

JCMWM2910G



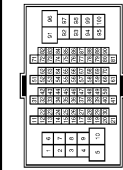
# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

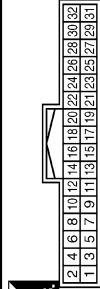
## IGNITION POWER SUPPLY FUSE No. 1

|                |                 |
|----------------|-----------------|
| Connector No.  | B1              |
| Connector Name | WIRE TO WIRE    |
| Connector Type | TH80FW-CS16-TM4 |



|              |    |   |                             |   |
|--------------|----|---|-----------------------------|---|
| Terminal No. | 70 | W | Signal Name [Specification] | - |
|--------------|----|---|-----------------------------|---|

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



|              |   |   |                             |     |
|--------------|---|---|-----------------------------|-----|
| Terminal No. | 3 | W | Signal Name [Specification] | IGN |
|--------------|---|---|-----------------------------|-----|

|                |                          |
|----------------|--------------------------|
| Connector No.  | E28                      |
| Connector Name | HEADLAMP AIMING MOTOR LH |
| Connector Type | FR40FB                   |



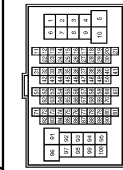
|              |   |   |                             |   |
|--------------|---|---|-----------------------------|---|
| Terminal No. | 3 | R | Signal Name [Specification] | - |
|--------------|---|---|-----------------------------|---|

|                |                          |
|----------------|--------------------------|
| Connector No.  | E47                      |
| Connector Name | HEADLAMP AIMING MOTOR RH |
| Connector Type | FR40FB                   |



|              |   |   |                             |   |
|--------------|---|---|-----------------------------|---|
| Terminal No. | 3 | R | Signal Name [Specification] | - |
|--------------|---|---|-----------------------------|---|

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



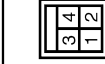
|              |    |   |                             |   |
|--------------|----|---|-----------------------------|---|
| Terminal No. | 51 | L | Signal Name [Specification] | - |
|              | 69 | G |                             | - |
|              | 88 | R |                             | - |

|                |                   |
|----------------|-------------------|
| Connector No.  | E12               |
| Connector Name | ASCD BRAKE SWITCH |
| Connector Type | M02FBR-LC         |



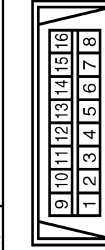
|              |   |   |                             |   |
|--------------|---|---|-----------------------------|---|
| Terminal No. | 1 | L | Signal Name [Specification] | - |
|--------------|---|---|-----------------------------|---|

|                |                  |
|----------------|------------------|
| Connector No.  | E115             |
| Connector Name | STOP LAMP SWITCH |
| Connector Type | M04FW-LC         |



|              |   |   |                             |   |
|--------------|---|---|-----------------------------|---|
| Terminal No. | 3 | G | Signal Name [Specification] | - |
|--------------|---|---|-----------------------------|---|

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



|              |   |   |                             |   |
|--------------|---|---|-----------------------------|---|
| Terminal No. | 8 | W | Signal Name [Specification] | - |
|--------------|---|---|-----------------------------|---|

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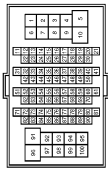
# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## IGNITION POWER SUPPLY FUSE No. 1


|                |                 |
|----------------|-----------------|
| Connector No.  | M11             |
| Connector Name | WIRE TO WIRE    |
| Connector Type | TH80FW-CS16-TM4 |



|              |    |    |                             |   |
|--------------|----|----|-----------------------------|---|
| Terminal No. | 70 | LG | Signal Name [Specification] | - |
|--------------|----|----|-----------------------------|---|


  

|                |                  |
|----------------|------------------|
| Connector No.  | M37              |
| Connector Name | EPS CONTROL UNIT |
| Connector Type | MAA408FB         |



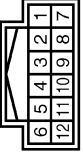
|              |   |   |                             |   |
|--------------|---|---|-----------------------------|---|
| Terminal No. | 3 | W | Signal Name [Specification] | - |
|--------------|---|---|-----------------------------|---|

|                |                       |
|----------------|-----------------------|
| Connector No.  | M30                   |
| Connector Name | STEERING ANGLE SENSOR |
| Connector Type | TH88FW-NH             |




|              |   |   |                             |     |
|--------------|---|---|-----------------------------|-----|
| Terminal No. | 1 | W | Signal Name [Specification] | IGN |
|--------------|---|---|-----------------------------|-----|

|                |              |
|----------------|--------------|
| Connector No.  | M23          |
| Connector Name | WIRE TO WIRE |
| Connector Type | TH12FW-NH    |




|              |   |   |                             |   |
|--------------|---|---|-----------------------------|---|
| Terminal No. | 7 | P | Signal Name [Specification] | - |
|--------------|---|---|-----------------------------|---|

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




|              |   |   |                             |        |
|--------------|---|---|-----------------------------|--------|
| Terminal No. | 6 | W | Signal Name [Specification] | IGN SW |
|--------------|---|---|-----------------------------|--------|

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




|              |    |   |                             |     |
|--------------|----|---|-----------------------------|-----|
| Terminal No. | 38 | G | Signal Name [Specification] | IGN |
|--------------|----|---|-----------------------------|-----|

|                |                   |
|----------------|-------------------|
| Connector No.  | M58               |
| Connector Name | HEATED SEAT RELAY |
| Connector Type | MS02FL-M2-LC      |




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

|                |          |
|----------------|----------|
| Connector No.  | M50      |
| Connector Name | A/C AMP. |
| Connector Type | SAB40FW  |



|              |   |   |                             |     |
|--------------|---|---|-----------------------------|-----|
| Terminal No. | 2 | W | Signal Name [Specification] | IGN |
|--------------|---|---|-----------------------------|-----|

|                |              |
|----------------|--------------|
| Connector No.  | M60          |
| Connector Name | WIRE TO WIRE |
| Connector Type | SAB40FW      |



|              |   |   |                             |     |
|--------------|---|---|-----------------------------|-----|
| Terminal No. | 2 | W | Signal Name [Specification] | IGN |
|--------------|---|---|-----------------------------|-----|

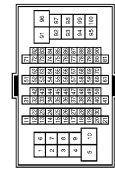
# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## IGNITION POWER SUPPLY FUSE No. 1

|                |                 |
|----------------|-----------------|
| Connector No.  | M77             |
| Connector Name | WIRE TO WIRE    |
| Connector Type | TH80WV-CS1F-TM4 |



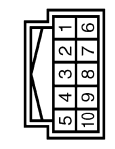
|              |               |                             |
|--------------|---------------|-----------------------------|
| Terminal No. | Color of Wire | Signal Name [Specification] |
| 51           | W             | -                           |
| 66           | W             | -                           |
| 88           | G             | -                           |

|                |              |
|----------------|--------------|
| Connector No.  | R1           |
| Connector Name | WIRE TO WIRE |
| Connector Type | TH12MP-NH    |



|              |               |                             |
|--------------|---------------|-----------------------------|
| Terminal No. | Color of Wire | Signal Name [Specification] |
| 7            | B/R           | -                           |

|                |                                  |
|----------------|----------------------------------|
| Connector No.  | R9                               |
| Connector Name | AUTO ANTI-DAZZLING INSIDE MIRROR |
| Connector Type | TH10FB-NH                        |



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

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# POWER SUPPLY ROUTING CIRCUIT

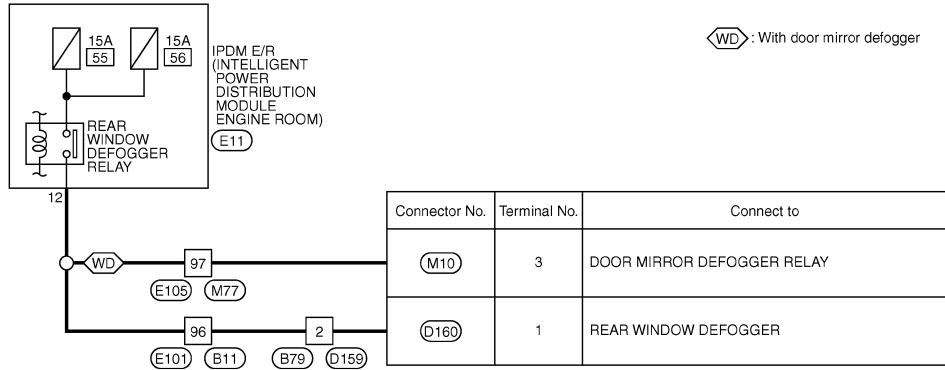
< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

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

INFOID:000000004231208

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



2008/07/15

JCMWM2914G

# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

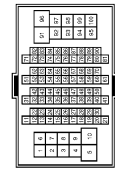
[POWER SUPPLY&GROUND CIRCUIT]

## IGNITION POWER SUPPLY FUSE No. 55, 56

|                |                 |                |              |                |              |                |                      |
|----------------|-----------------|----------------|--------------|----------------|--------------|----------------|----------------------|
| Connector No.  | B01             | Connector No.  | B79          | Connector No.  | D159         | Connector No.  | D160                 |
| Connector Name | WIRE TO WIRE    | Connector Name | WIRE TO WIRE | Connector Name | WIRE TO WIRE | Connector Name | REAR WINDOW DEFOGGER |
| Connector Type | TH80FW-CS16-TM4 | Connector Type | M04MW-LC     | Connector Type | M04FW-LC     | Connector Type | P01FB-A              |

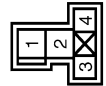
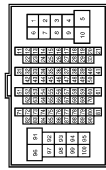
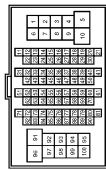
|                             |    |                             |   |                             |   |                             |   |
|-----------------------------|----|-----------------------------|---|-----------------------------|---|-----------------------------|---|
| Terminal No.                | 96 | Terminal No.                | 2 | Terminal No.                | 2 | Terminal No.                | 1 |
| Color of Wire               | G  | Color of Wire               | G | Color of Wire               | G | Color of Wire               | G |
| Signal Name [Specification] | -  | Signal Name [Specification] | - | Signal Name [Specification] | - | Signal Name [Specification] | - |



|                |  |                |                 |                |                 |                |                            |
|----------------|--|----------------|-----------------|----------------|-----------------|----------------|----------------------------|
| Connector No.  | E11  | Connector No.  | E101            | Connector No.  | E105            | Connector No.  | M10                        |
| Connector Name | IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) | Connector Name | WIRE TO WIRE    | Connector Name | WIRE TO WIRE    | Connector Name | DOOR MIRROR DEFOGGER RELAY |
| Connector Type | M08FB-LC   | Connector Type | TH80FW-CS16-TM4 | Connector Type | TH80FW-CS16-TM4 | Connector Type | M50ZFL-M2-LC               |

|                             |    |                             |    |                             |    |                             |   |
|-----------------------------|----|-----------------------------|----|-----------------------------|----|-----------------------------|---|
| Terminal No.                | 12 | Terminal No.                | 96 | Terminal No.                | 97 | Terminal No.                | 3 |
| Color of Wire               | O  | Color of Wire               | O  | Color of Wire               | G  | Color of Wire               | G |
| Signal Name [Specification] | -  | Signal Name [Specification] | -  | Signal Name [Specification] | -  | Signal Name [Specification] | - |



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JCMWM2915G1

# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

IGNITION POWER SUPPLY FUSE No. 55, 56

|                |                  |
|----------------|------------------|
| Connector No.  | W77              |
| Connector Name | WIRE TO WIRE     |
| Connector Type | THEB0WV-CS16-TM4 |



|              |    |               |   |                             |   |
|--------------|----|---------------|---|-----------------------------|---|
| Terminal No. | 97 | Color of Wire | G | Signal Name [Specification] | - |
|--------------|----|---------------|---|-----------------------------|---|

JCMWM2916G

# POWER SUPPLY ROUTING CIRCUIT

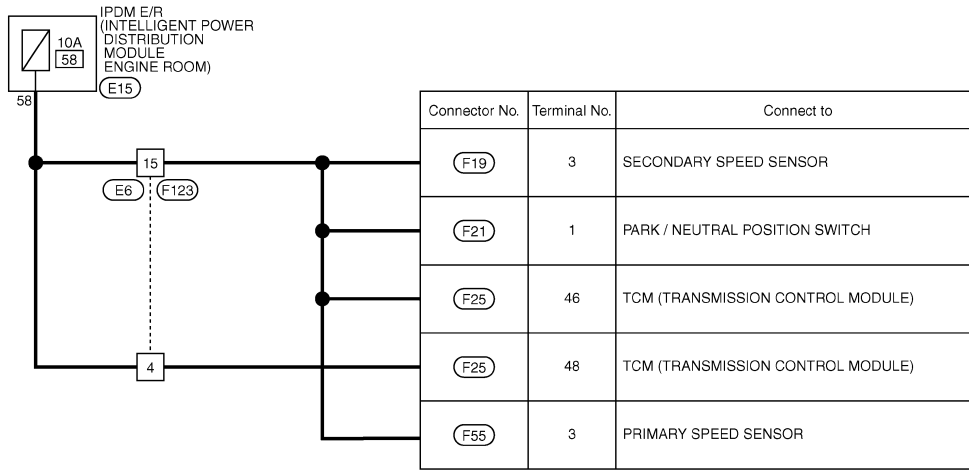
< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

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

INFOID:000000004231209

### IGNITION POWER SUPPLY FUSE No. 58



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2008/07/15

JCMWM2917GI


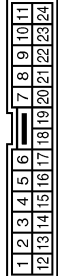
# POWER SUPPLY ROUTING CIRCUIT

## [POWER SUPPLY & GROUND CIRCUIT]

### < COMPONENT DIAGNOSIS >

#### IGNITION POWER SUPPLY FUSE No. 58



|                |              |
|----------------|--------------|
| Connector No.  | E6           |
| Connector Name | WIRE TO WIRE |
| Connector Type | TK24NW-1V    |

|              |   |    |    |    |
|--------------|---|----|----|----|
| Terminal No. | 4 | 15 | LG | LG |
|--------------|---|----|----|----|

|                             |    |    |
|-----------------------------|----|----|
| Color of Wire               | LG | LG |
| Signal Name [Specification] |    |    |



|                |                                |
|----------------|--------------------------------|
| Connector No.  | FZ1                            |
| Connector Name | PARK / NEUTRAL POSITION SWITCH |
| Connector Type | RK08FG                         |

|              |   |   |    |
|--------------|---|---|----|
| Terminal No. | 1 | 1 | LG |
|--------------|---|---|----|

|                             |    |
|-----------------------------|----|
| Color of Wire               | LG |
| Signal Name [Specification] |    |



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

|              |   |    |
|--------------|---|----|
| Terminal No. | 3 | LG |
|--------------|---|----|

|                             |    |
|-----------------------------|----|
| Color of Wire               | LG |
| Signal Name [Specification] |    |


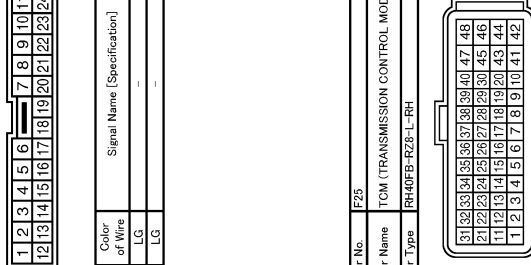
|                |  |
|----------------|--|
| Connector No.  | E15  |
| Connector Name | IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) |
| Connector Type | NS16FW-CS  |

|              |    |    |
|--------------|----|----|
| Terminal No. | 58 | LG |
|--------------|----|----|

|                             |    |
|-----------------------------|----|
| Color of Wire               | LG |
| Signal Name [Specification] |    |


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

|              |    |    |   |   |
|--------------|----|----|---|---|
| Terminal No. | 46 | 48 | Y | Y |
|--------------|----|----|---|---|

|                             |    |   |      |      |
|-----------------------------|----|---|------|------|
| Color of Wire               | LG | Y | VIGN | VIGN |
| Signal Name [Specification] |    |   |      |      |



|                |              |
|----------------|--------------|
| Connector No.  | F123         |
| Connector Name | WIRE TO WIRE |
| Connector Type | TK24FW-1V    |

|              |   |    |    |
|--------------|---|----|----|
| Terminal No. | 4 | 15 | LG |
|--------------|---|----|----|

|                             |   |    |
|-----------------------------|---|----|
| Color of Wire               | Y | LG |
| Signal Name [Specification] |   |    |



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

|              |   |    |
|--------------|---|----|
| Terminal No. | 3 | LG |
|--------------|---|----|

|                             |    |
|-----------------------------|----|
| Color of Wire               | LG |
| Signal Name [Specification] |    |



|                |              |
|----------------|--------------|
| Connector No.  | F123         |
| Connector Name | WIRE TO WIRE |
| Connector Type | TK24FW-1V    |

|              |   |    |    |
|--------------|---|----|----|
| Terminal No. | 4 | 15 | LG |
|--------------|---|----|----|

|                             |   |    |
|-----------------------------|---|----|
| Color of Wire               | Y | LG |
| Signal Name [Specification] |   |    |

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

|              |    |    |   |   |
|--------------|----|----|---|---|
| Terminal No. | 46 | 48 | Y | Y |
|--------------|----|----|---|---|

|                             |    |   |      |      |
|-----------------------------|----|---|------|------|
| Color of Wire               | LG | Y | VIGN | VIGN |
| Signal Name [Specification] |    |   |      |      |



# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

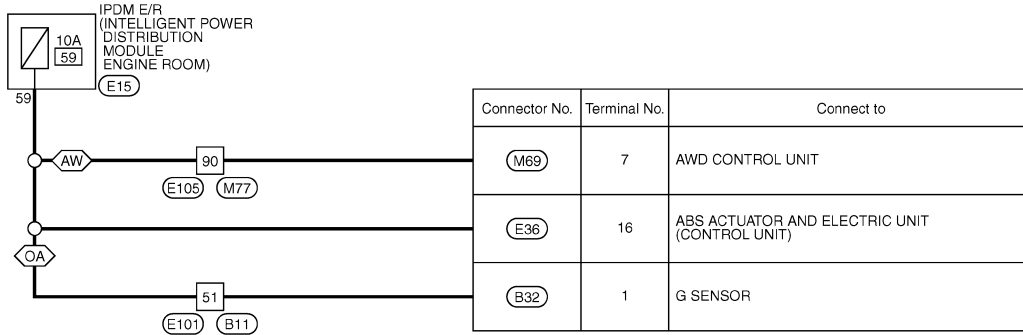
[POWER SUPPLY&GROUND CIRCUIT]

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

INFOID:000000004231210

### IGNITION POWER SUPPLY FUSE No. 59

AW : AWD models  
 OA : AWD models without VDC



A  
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2008/07/15

JCMWM2919G

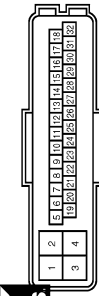
# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]


## IGNITION POWER SUPPLY FUSE No. 59

|                |   |
|----------------|---|
| Connector No.  | E36   |
| Connector Name | ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT) |
| Connector Type | FR28FB-NM4-DH                                 |



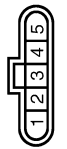
|              |    |               |    |                             |     |
|--------------|----|---------------|----|-----------------------------|-----|
| Terminal No. | 18 | Color of Wire | BR | Signal Name [Specification] | IGN |
|--------------|----|---------------|----|-----------------------------|-----|

|                |  |
|----------------|--|
| Connector No.  | E15  |
| Connector Name | IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) |
| Connector Type | NS18FW-CS  |



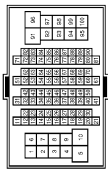
|              |    |               |    |                             |   |
|--------------|----|---------------|----|-----------------------------|---|
| Terminal No. | 59 | Color of Wire | BR | Signal Name [Specification] | - |
|--------------|----|---------------|----|-----------------------------|---|

|                |          |
|----------------|----------|
| Connector No.  | B32      |
| Connector Name | G SENSOR |
| Connector Type | YD28FW   |



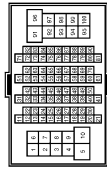
|              |   |               |    |                             |     |
|--------------|---|---------------|----|-----------------------------|-----|
| Terminal No. | 1 | Color of Wire | GR | Signal Name [Specification] | IGN |
|--------------|---|---------------|----|-----------------------------|-----|

|                |                 |
|----------------|-----------------|
| Connector No.  | B11             |
| Connector Name | WIRE TO WIRE    |
| Connector Type | TH80MW-CS16-TM4 |



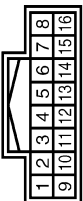
|              |    |               |    |                             |   |
|--------------|----|---------------|----|-----------------------------|---|
| Terminal No. | 51 | Color of Wire | GR | Signal Name [Specification] | - |
|--------------|----|---------------|----|-----------------------------|---|

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




|              |    |               |    |                             |   |
|--------------|----|---------------|----|-----------------------------|---|
| Terminal No. | 90 | Color of Wire | GR | Signal Name [Specification] | - |
|--------------|----|---------------|----|-----------------------------|---|

|                |                  |
|----------------|------------------|
| Connector No.  | M69              |
| Connector Name | AMD CONTROL UNIT |
| Connector Type | TH18FW-NH        |



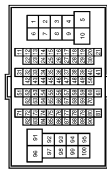
|              |   |               |    |                             |     |
|--------------|---|---------------|----|-----------------------------|-----|
| Terminal No. | 7 | Color of Wire | GR | Signal Name [Specification] | IGN |
|--------------|---|---------------|----|-----------------------------|-----|

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



|              |    |               |    |                             |   |
|--------------|----|---------------|----|-----------------------------|---|
| Terminal No. | 90 | Color of Wire | GR | Signal Name [Specification] | - |
|--------------|----|---------------|----|-----------------------------|---|

|                |                 |
|----------------|-----------------|
| Connector No.  | E101            |
| Connector Name | WIRE TO WIRE    |
| Connector Type | TH80FW-CS16-TM4 |



|              |    |               |    |                             |   |
|--------------|----|---------------|----|-----------------------------|---|
| Terminal No. | 51 | Color of Wire | GR | Signal Name [Specification] | - |
|--------------|----|---------------|----|-----------------------------|---|

# POWER SUPPLY ROUTING CIRCUIT

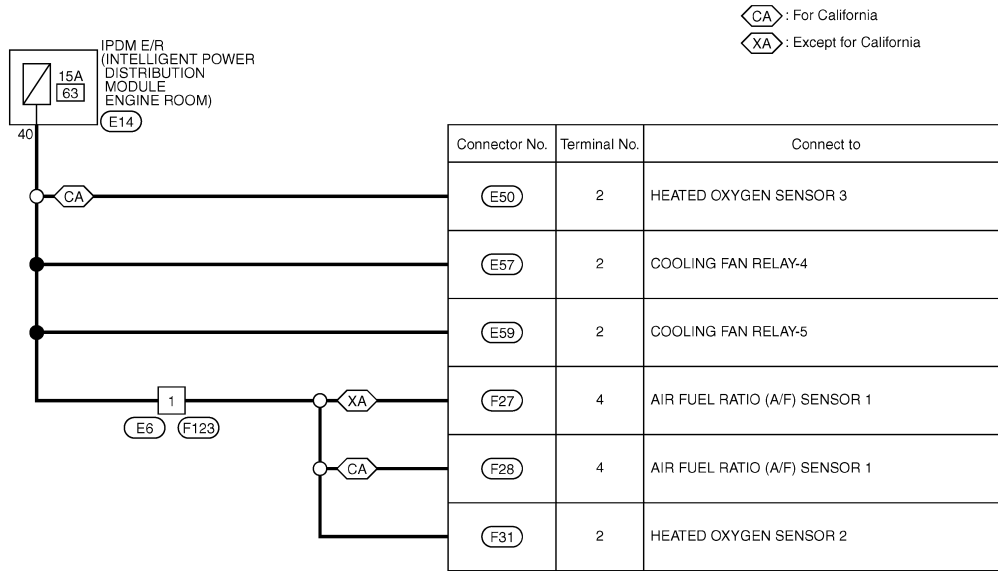
< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

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

INFOID:000000004231211

### IGNITION POWER SUPPLY FUSE No. 63



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2008/07/15

JCMWM2921GI


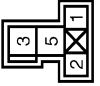
# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]



## IGNITION POWER SUPPLY FUSE No. 63

|                |                     |
|----------------|---------------------|
| Connector No.  | E57                 |
| Connector Name | COOLING FAN RELAY-4 |
| Connector Type | MS02FL-M2           |



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

|                |                        |
|----------------|------------------------|
| Connector No.  | E50                    |
| Connector Name | HEATED OXYGEN SENSOR 3 |
| Connector Type | AFZ04FGY               |


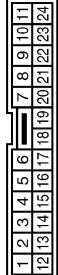
|                             |   |    |
|-----------------------------|---|----|
| Terminal No.                | 2 | BR |
| Color of Wire               |   |    |
| Signal Name [Specification] |   |    |

|                |  |
|----------------|--|
| Connector No.  | E14  |
| Connector Name | IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) |
| Connector Type | NS12FER-CS   |



|                             |    |    |
|-----------------------------|----|----|
| Terminal No.                | 40 | BR |
| Color of Wire               |    |    |
| Signal Name [Specification] |    |    |

|                |              |
|----------------|--------------|
| Connector No.  | E6           |
| Connector Name | WIRE TO WIRE |
| Connector Type | TK2AWP-1V    |



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

|                |                        |
|----------------|------------------------|
| Connector No.  | F31                    |
| Connector Name | HEATED OXYGEN SENSOR 2 |
| Connector Type | AFZ04FB                |



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

|                |  |
|----------------|--|
| Connector No.  | F28  |
| Connector Name | AIR FUEL RATIO (A/F) SENSOR 1 (FOR CALIFORNIA) |
| Connector Type | AFZ04FDGY                                      |



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

|                |   |
|----------------|---|
| Connector No.  | F27   |
| Connector Name | AIR FUEL RATIO (A/F) SENSOR 1 (EXCEPT FOR CALIFORNIA) |
| Connector Type | AFZ04FGY  |

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

|                |                     |
|----------------|---------------------|
| Connector No.  | E59                 |
| Connector Name | COOLING FAN RELAY-5 |
| Connector Type | MS02FL-M2           |

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

JCMWM2922G

# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

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## IGNITION POWER SUPPLY FUSE No. 63

|                |              |
|----------------|--------------|
| Connector No.  | F123         |
| Connector Name | WIRE TO WIRE |
| Connector Type | TK24FW-1V    |



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

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

PG

JCMWM2923GI

# POWER SUPPLY ROUTING CIRCUIT

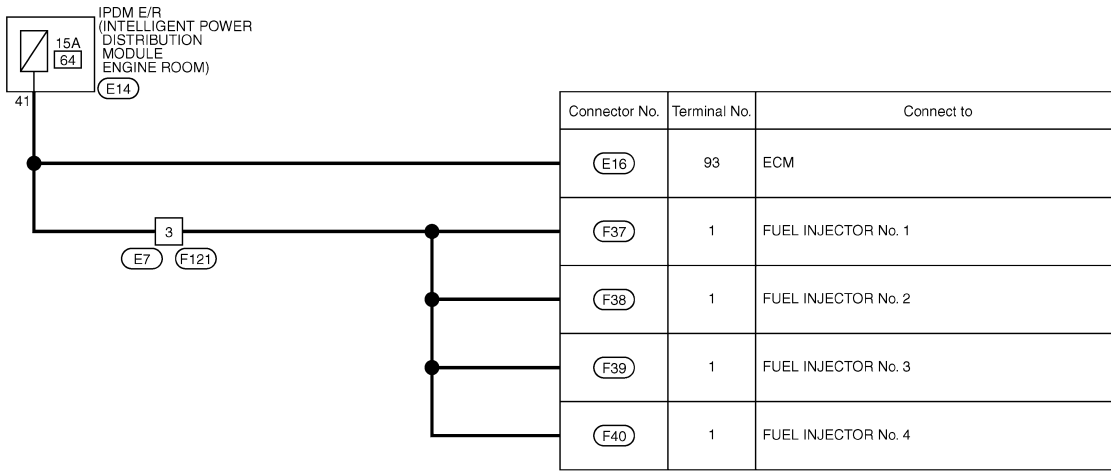
< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

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

INFOID:000000004231212

### IGNITION POWER SUPPLY FUSE No. 64



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JCMWM2924G

# POWER SUPPLY ROUTING CIRCUIT

< COMPONENT DIAGNOSIS >

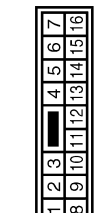
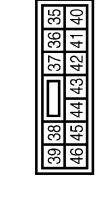
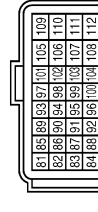
[POWER SUPPLY&GROUND CIRCUIT]

## IGNITION POWER SUPPLY FUSE No. 64

|                |              |  |  |                  |                     |                     |                     |
|----------------|--------------|--|--|------------------|---------------------|---------------------|---------------------|
| Connector No.  | E7           | Connector No.  | E14  | Connector No.    | E16                 | Connector No.       | F37                 |
| Connector Name | WIRE TO WIRE | IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) | IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) | ECM              | FUEL INJECTOR No. 1 | FUEL INJECTOR No. 1 | FUEL INJECTOR No. 1 |
| Connector Type | NS16MW-CS    | NS17PBR-CS   | NS17PBR-CS   | FR124FB-R2B-L-LH | HS02FGY             | HS02FGY             | HS02FGY             |

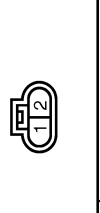
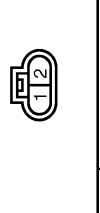
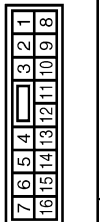
|                             |   |                             |    |                             |       |                             |   |
|-----------------------------|---|-----------------------------|----|-----------------------------|-------|-----------------------------|---|
| Terminal No.                | 3 | Terminal No.                | 41 | Terminal No.                | 93    | Terminal No.                | 1 |
| Color of Wire               | O | Color of Wire               | O  | Color of Wire               | O     | Color of Wire               | O |
| Signal Name [Specification] | - | Signal Name [Specification] | -  | Signal Name [Specification] | IGNSW | Signal Name [Specification] | - |



|                |                     |                     |                     |               |              |               |              |
|----------------|---------------------|---------------------|---------------------|---------------|--------------|---------------|--------------|
| Connector No.  | F38                 | Connector No.       | F39                 | Connector No. | F40          | Connector No. | F121         |
| Connector Name | FUEL INJECTOR No. 2 | FUEL INJECTOR No. 3 | FUEL INJECTOR No. 4 | WIRE TO WIRE  | WIRE TO WIRE | WIRE TO WIRE  | WIRE TO WIRE |
| Connector Type | HS02FGY             | HS02FGY             | HS02FGY             | HS02FGY       | HS02FGY      | NS16FW-CS     | NS16FW-CS    |

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



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JCMWM2925GI

# POWER SUPPLY ROUTING CIRCUIT

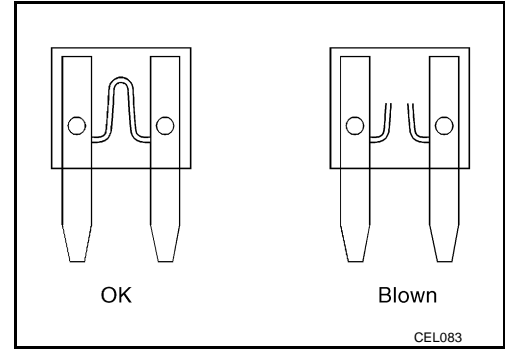
< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## Fuse

INFOID:000000004231213

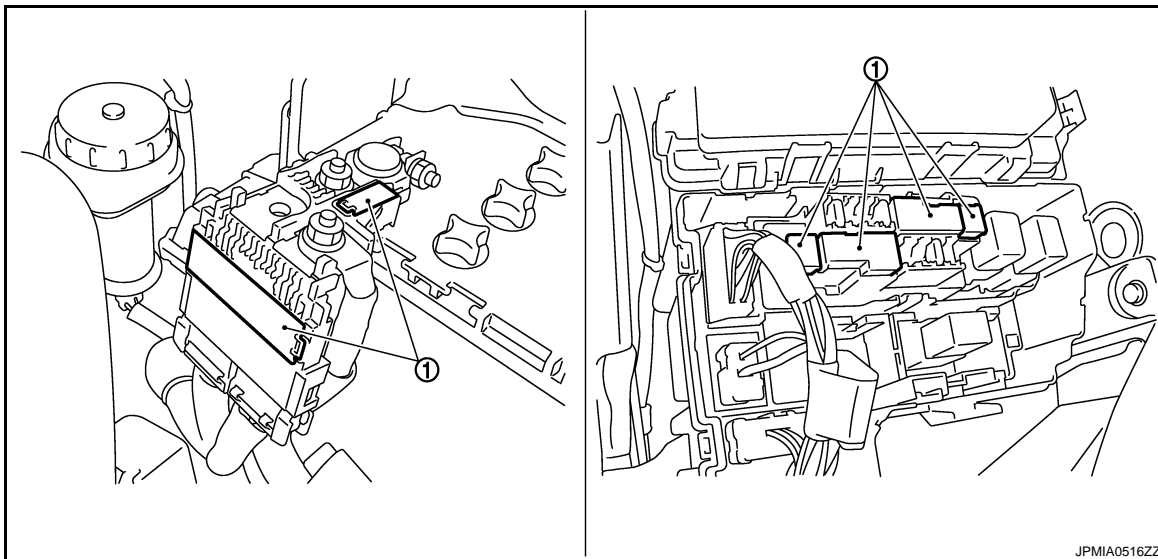
- If fuse is blown, be sure to eliminate cause of malfunction before installing new fuse.
- Use fuse of specified rating. Never use fuse of more than specified rating.
- Do not partially install fuse; always insert it into fuse holder properly.
- Remove fuse for "ELECTRICAL PARTS (BAT)" if vehicle is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



## Fusible Link

INFOID:000000004231214

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



1. Fusible link

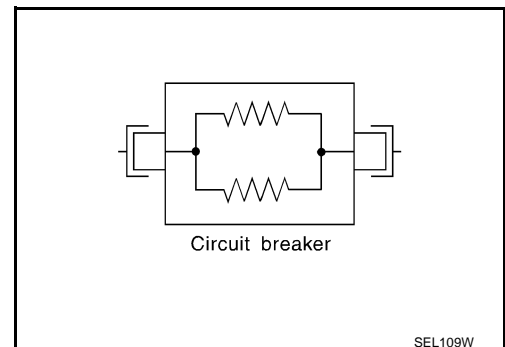
### CAUTION:

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

## Circuit Breaker

INFOID:000000004231215

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





# OPTION HARNESS

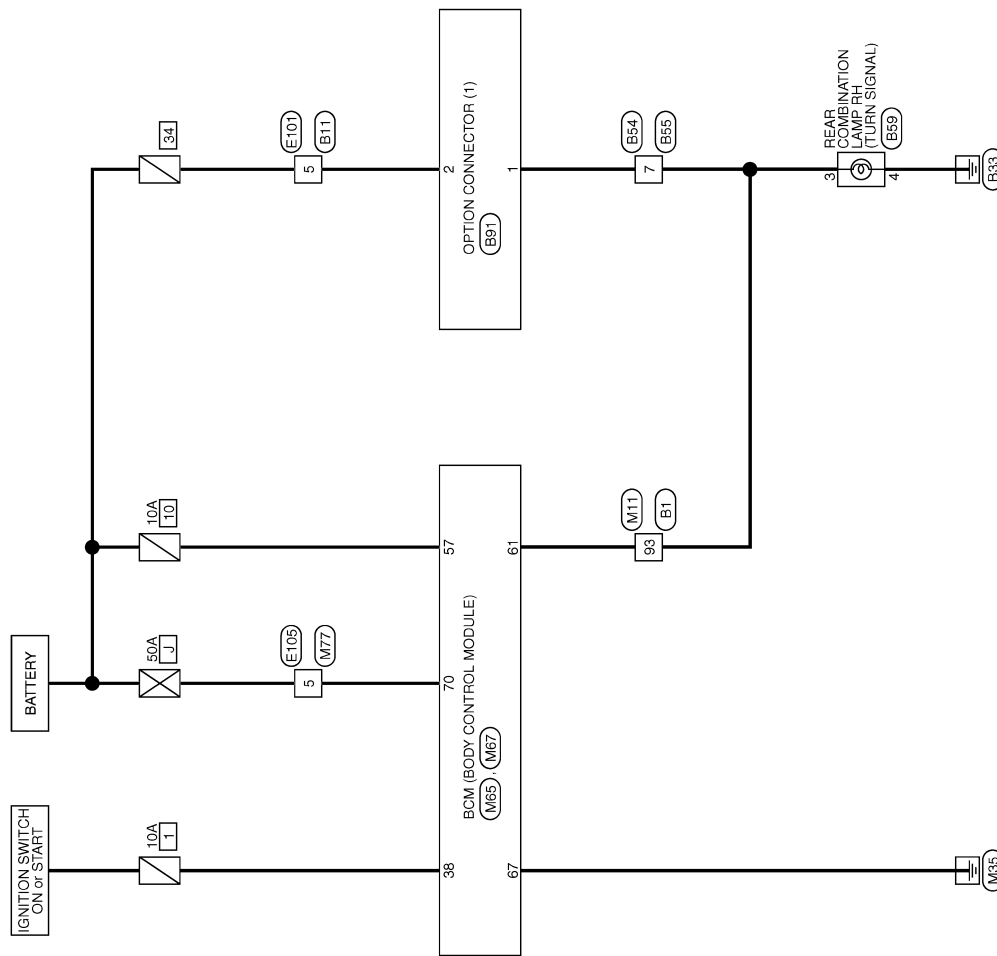
< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## OPTION HARNESS

Wiring Diagram - OPTION HARNESS -

INFOID:000000004510838



OPTION HARNESS

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2008/07/15

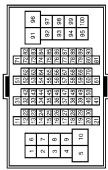
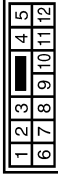

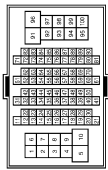

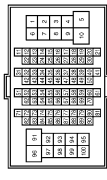
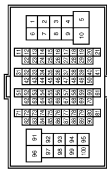

JCMWM2865G

# OPTION HARNESS

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## OPTION HARNESS

|                       |                                       |   |                    |                     |                             |   |
|-----------------------|---------------------------------------|---|--------------------|---------------------|-----------------------------|---|
| Connector No.<br>B1   | WIRE TO WIRE<br>TH80MW-CS16-TM4       |  | Terminal No.<br>93 | Color of Wire<br>W  | Signal Name [Specification] | — |
| Connector No.<br>B54  | WIRE TO WIRE<br>NS12MW-CS             |    | Terminal No.<br>7  | Color of Wire<br>GR | Signal Name [Specification] | — |
| Connector No.<br>B55  | WIRE TO WIRE<br>NS12FW-CS             |    | Terminal No.<br>7  | Color of Wire<br>W  | Signal Name [Specification] | — |
| Connector No.<br>B11  | WIRE TO WIRE<br>TH80MW-CS16-TM4       |  | Terminal No.<br>5  | Color of Wire<br>L  | Signal Name [Specification] | — |
| Connector No.<br>B59  | REAR COMBINATION LAMP RH<br>NS04MW-CS |  | Terminal No.<br>3  | Color of Wire<br>W  | Signal Name [Specification] | — |
| Connector No.<br>E101 | WIRE TO WIRE<br>TH80FW-CS16-TM4       |    | Terminal No.<br>5  | Color of Wire<br>L  | Signal Name [Specification] | — |
| Connector No.<br>E105 | WIRE TO WIRE<br>TH80FW-CS16-TM4       |    | Terminal No.<br>5  | Color of Wire<br>Y  | Signal Name [Specification] | — |
| Connector No.<br>B81  | OPTION CONNECTOR (1)<br>M02FW-LC      |  | Terminal No.<br>1  | Color of Wire<br>GR | Signal Name [Specification] | — |
| Terminal No.<br>2     | Color of Wire<br>L                    | Signal Name [Specification]   | —                  | —                   | —                           | — |

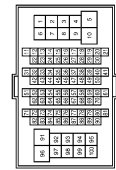
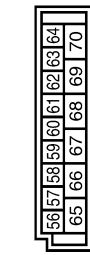
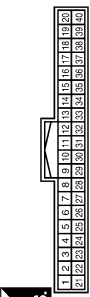

JCMWM2866G

# OPTION HARNESS

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## OPTION HARNESS

|   |                 |   |                           |  |                           |   |                 |
|---|-----------------|---|---------------------------|--|---------------------------|---|-----------------|
| Connector No.   | M11             | Connector No.   | M67                       | Connector No.  | M65                       | Connector No.   | M77             |
| Connector Name  | WIRE TO WIRE    | Connector Name  | BCM (BODY CONTROL MODULE) | Connector Name   | BCM (BODY CONTROL MODULE) | Connector Name  | WIRE TO WIRE    |
| Connector Type  | THBDFW-CS16-TM4 | Connector Type  | FEA9FB-FHAF-SA            | Connector Type   | TH4QFW-NH                 | Connector Type  | THBDMF-CS16-TM4 |
|  |                 |  |                           |  |                           |  |                 |
| Terminal No.  | 93              | Terminal No.  | 57                        | Terminal No.   | 38                        | Terminal No.  | 5               |
| Color of Wire   | GR              | Color of Wire   | G                         | Color of Wire  | G                         | Color of Wire   | Y               |
| Signal Name [Specification]   | -               | Signal Name [Specification]   | BAT FUSE                  | Signal Name [Specification]  | IGN                       | Signal Name [Specification]   | -               |
|   |                 |   | FLASHER OUT PUL (RIGHT)   |  |                           |   |                 |
|   |                 |   | GND                       |  |                           |   |                 |
|   |                 |   | BAT FL                    |  |                           |   |                 |

JCMWM2867G1

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# HARNESS LAYOUT

< COMPONENT DIAGNOSIS >

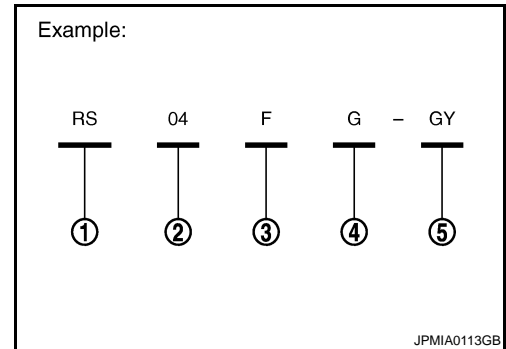
[POWER SUPPLY&GROUND CIRCUIT]

## HARNESS LAYOUT

### How To Read Harness Layout






INFOID:000000004231216

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



### CONNECTOR SYMBOL

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

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

JPMA0114GB

# HARNESSES LAYOUT

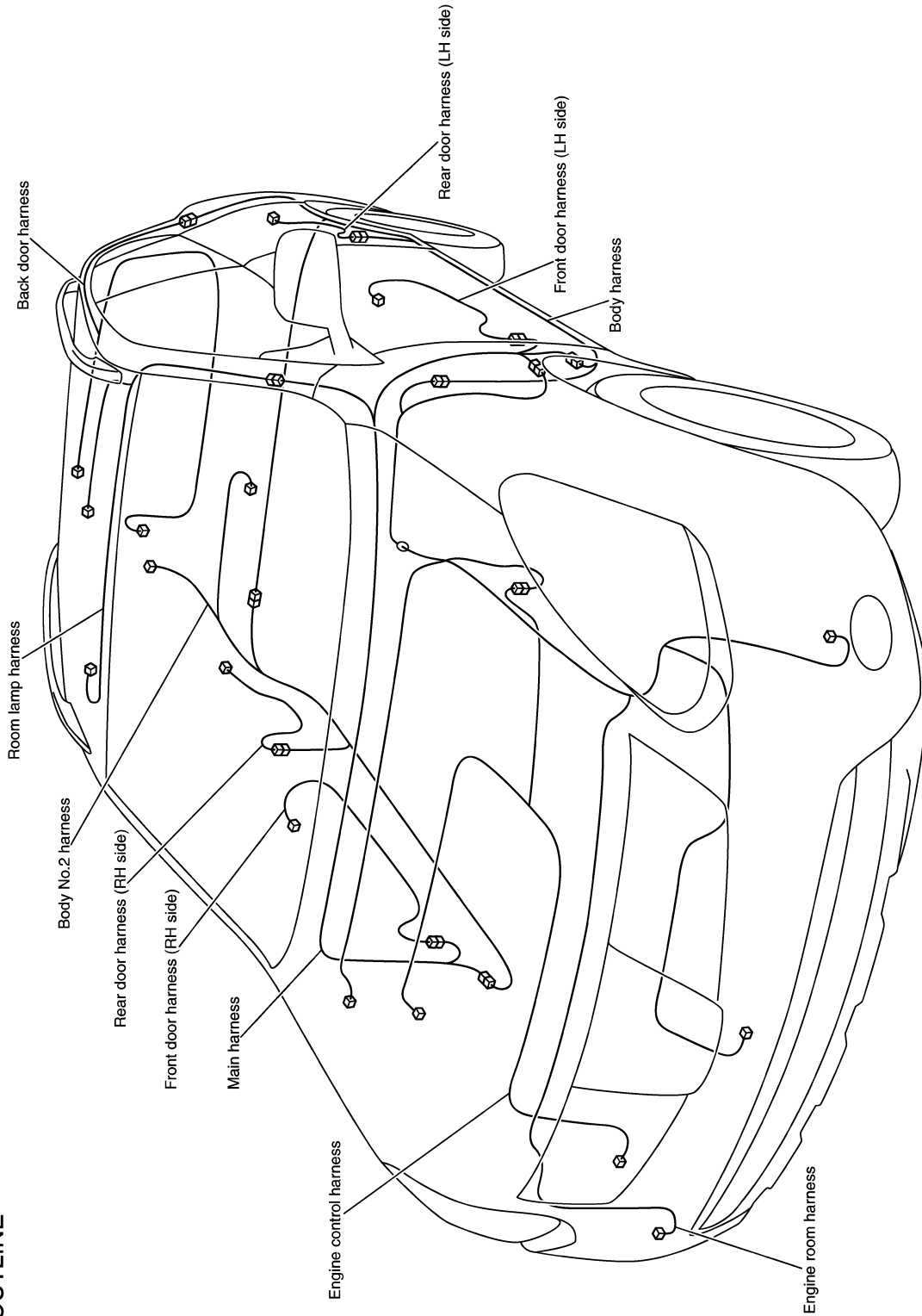
< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Outline

INFOID:000000004231217

OUTLINE



2008/07/15

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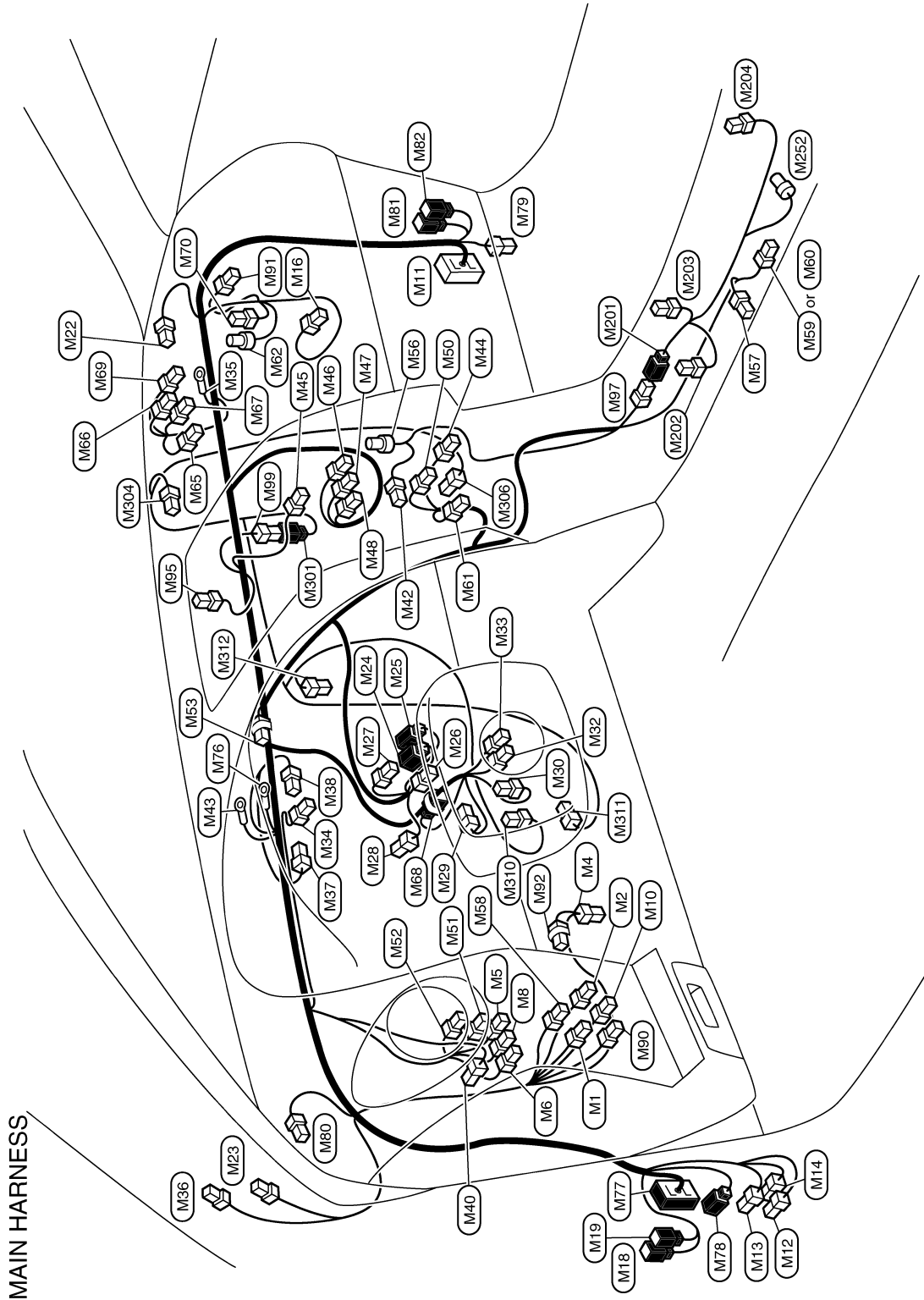
# HARNESS LAYOUT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Main Harness

INFOID:0000000042312.18



MAIN HARNESS

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# HARNES LAYOUT

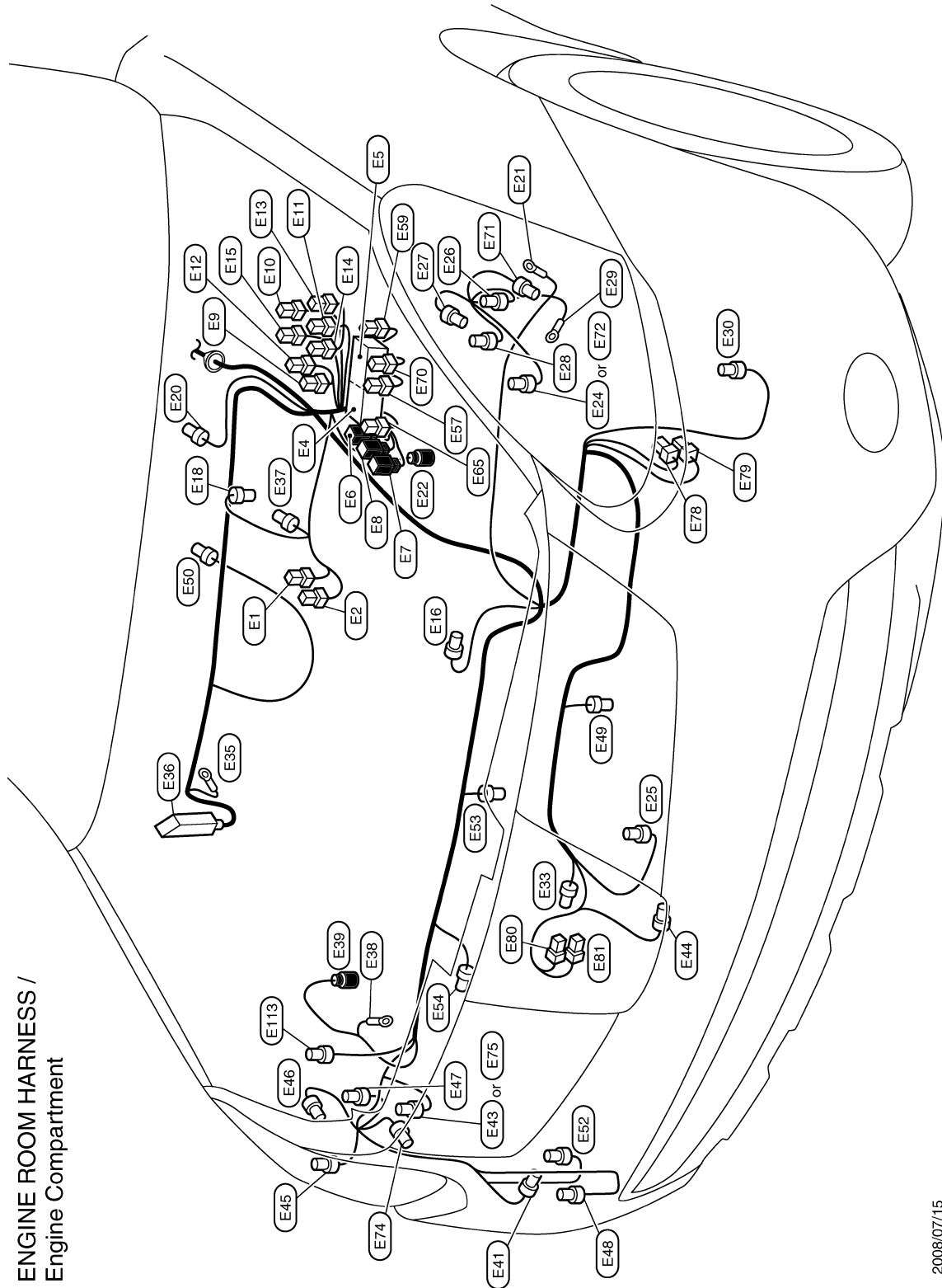
< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## Engine Room Harness

INFOID:000000004231219

### ENGINE COMPARTMENT



ENGINE ROOM HARNESS /  
Engine Compartment

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2008/07/15

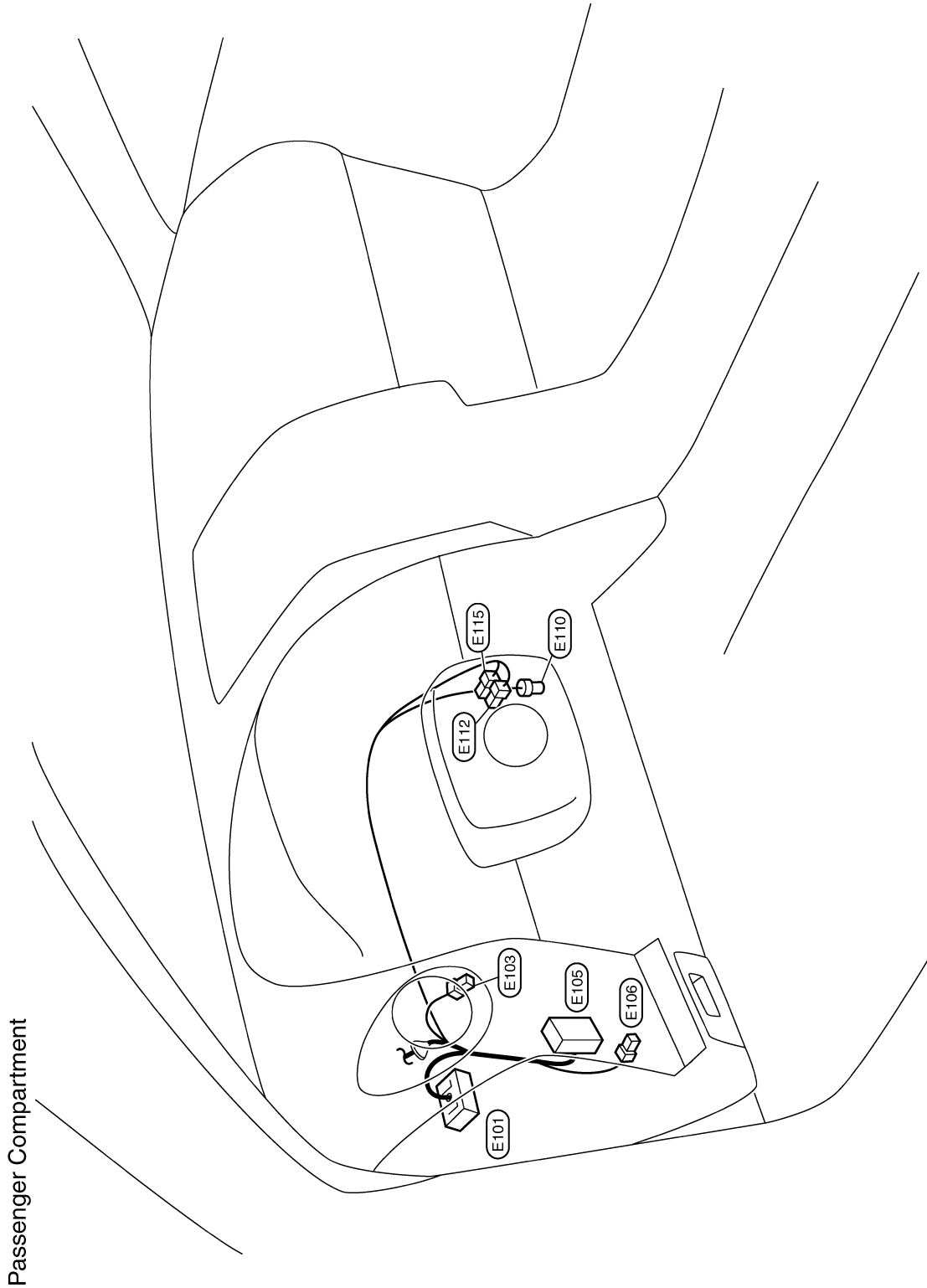
JCMIM0523GB

# HARNES LAYOUT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

PASSENGER COMPARTMENT



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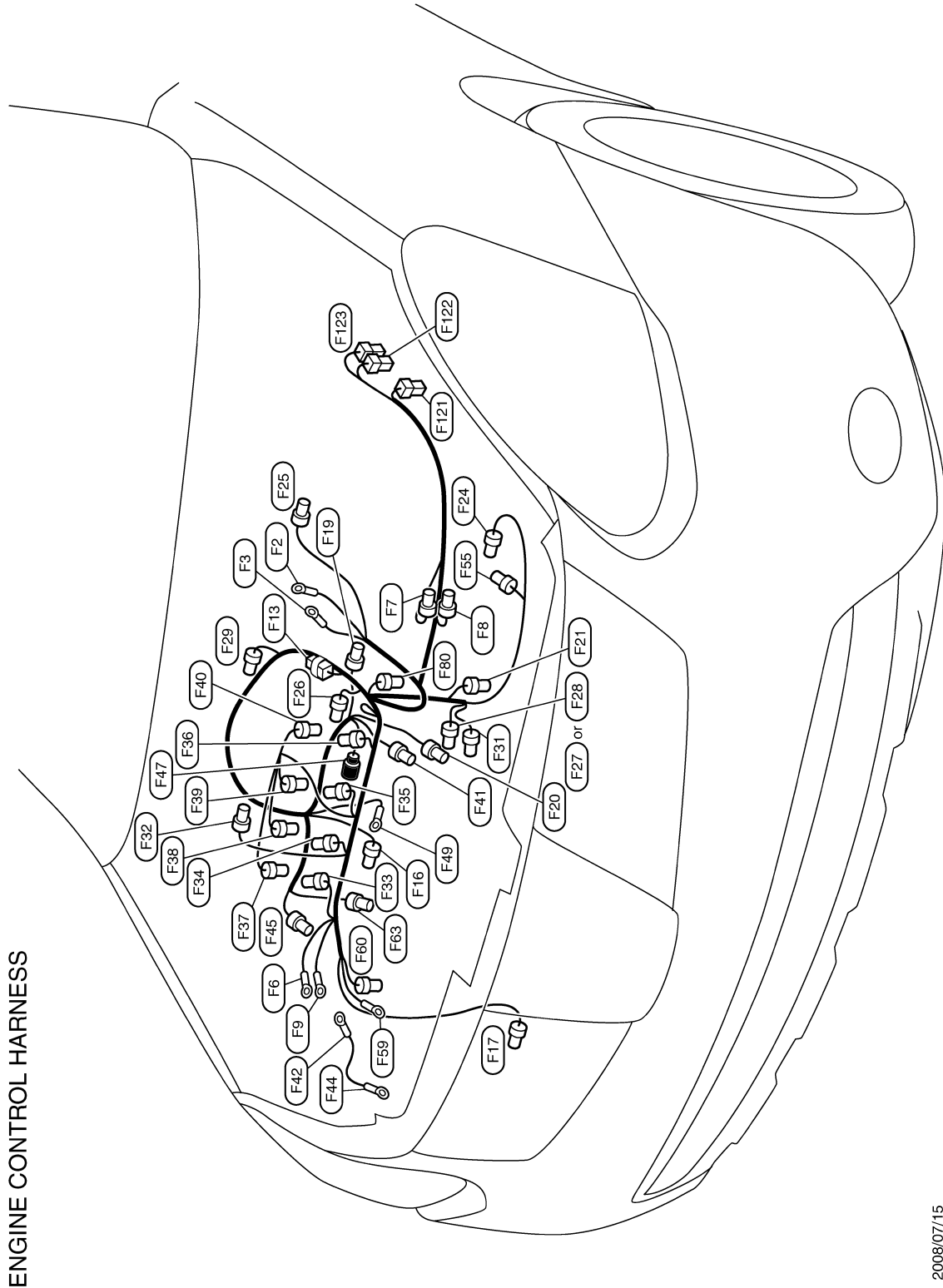
# HARNES LAYOUT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## Engine Control Harness

INFOID:000000004231220



ENGINE CONTROL HARNESS

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2008/07/15

JCMIM0525GB

# HARNES LAYOUT

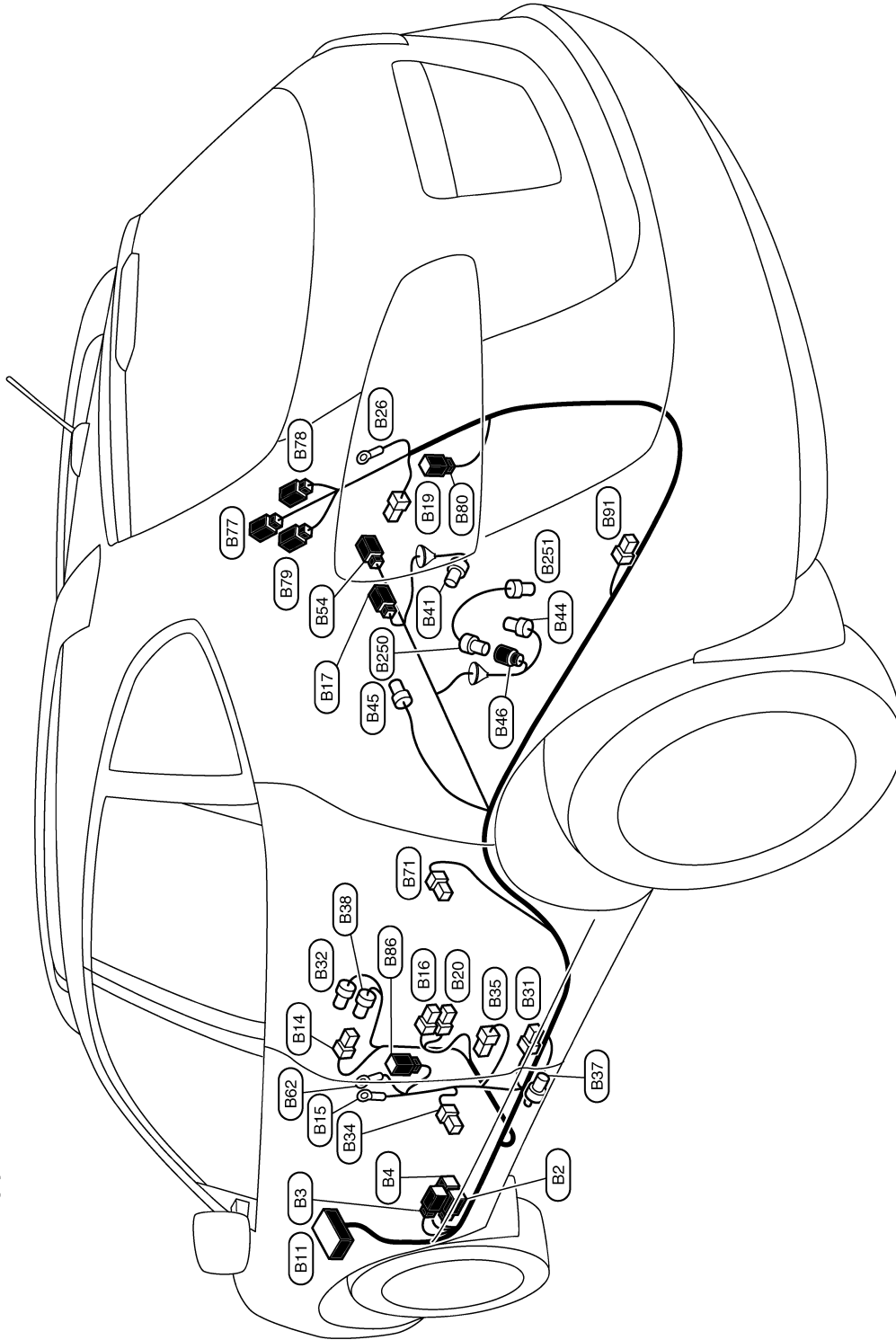
< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## Body Harness

INFOID:000000004231221

BODY HARNESS



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JCMIM0526GB

# HARNES LAYOUT

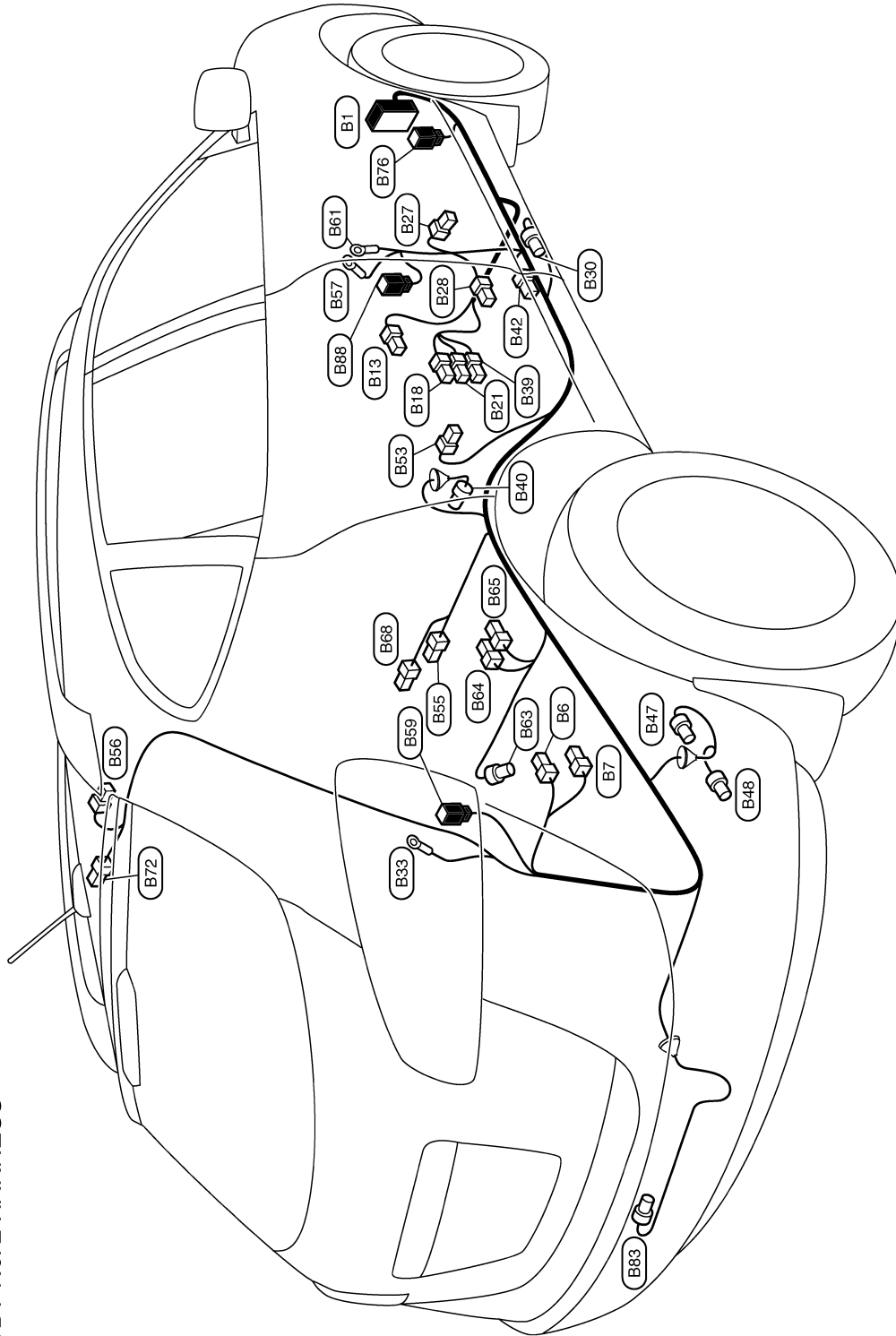
< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

Body No. 2 Harness

INFOID:000000004231222

BODY No. 2 HARNESS



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2008/07/15

JCMIM0527GB

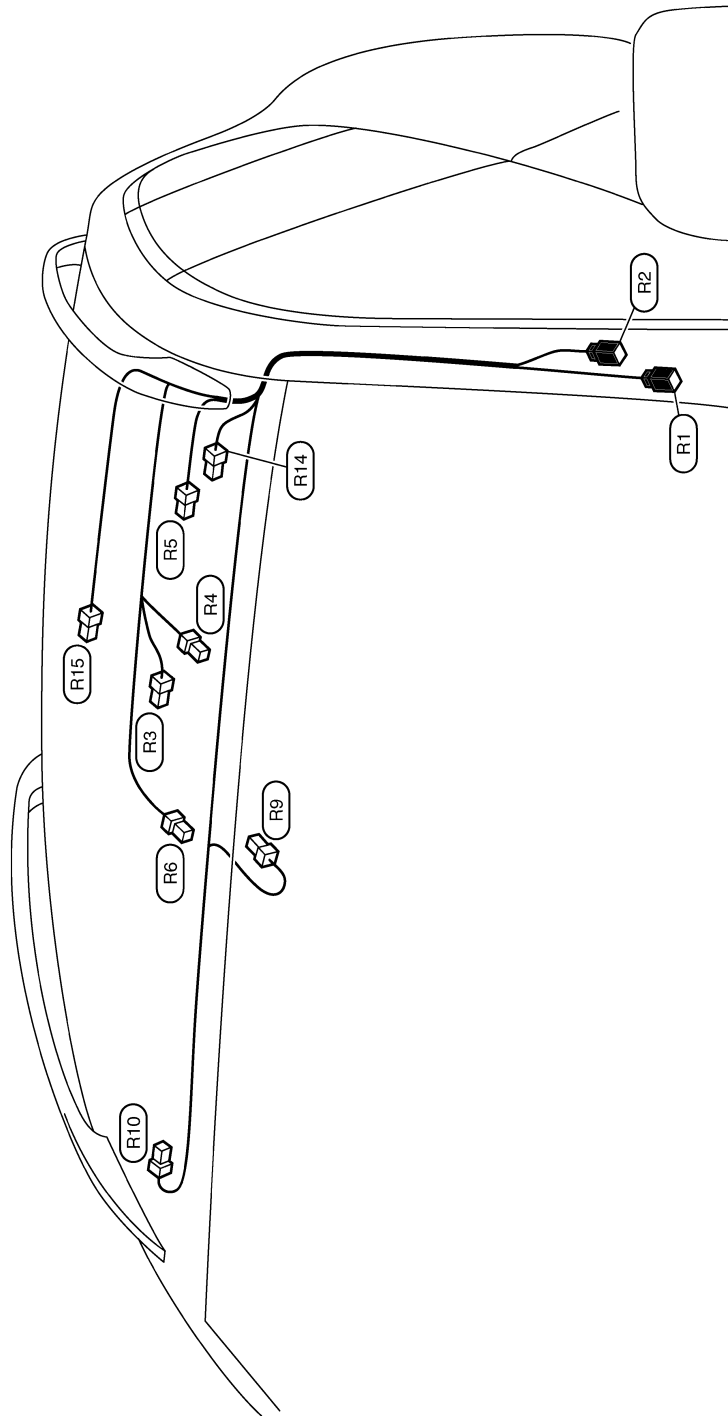
# HARNES LAYOUT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## Room Lamp Harness

INFOID:000000004231223



ROOM LAMP HARNESS

2008/07/15

JCMIM0528GB

# HARNES LAYOUT

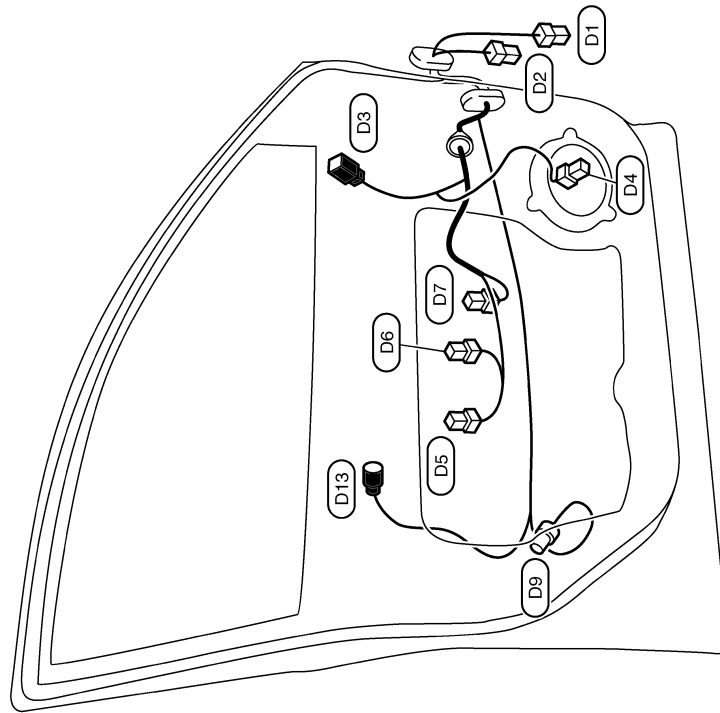
< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## Front Door Harness (LH Side)

INFOID:000000004231224

FRONT DOOR HARNESS (LH SIDE)



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2008/07/15

JCMIM0529GB

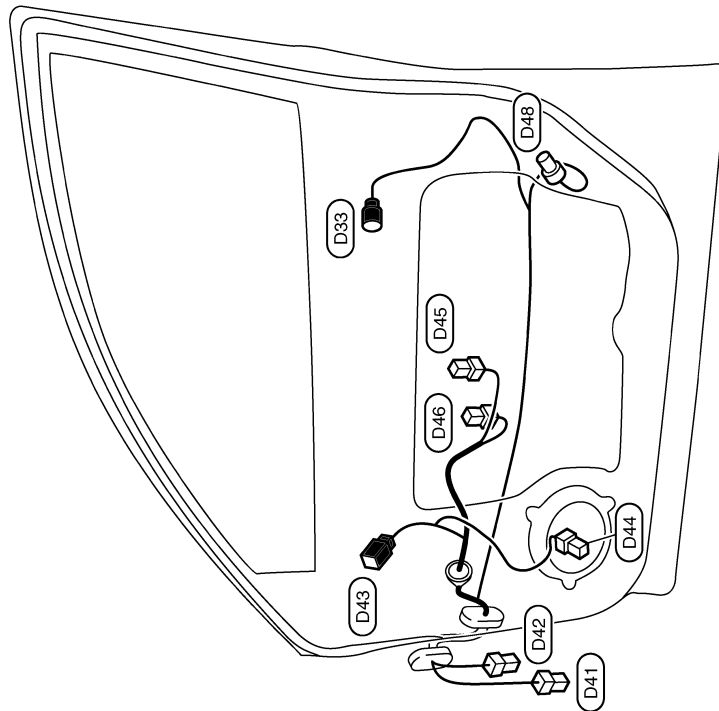
# HARNESS LAYOUT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Front Door Harness (RH Side)

INFOID:000000004231225



FRONT DOOR HARNESS (RH SIDE)

2008/07/15

JCMIM0530GB

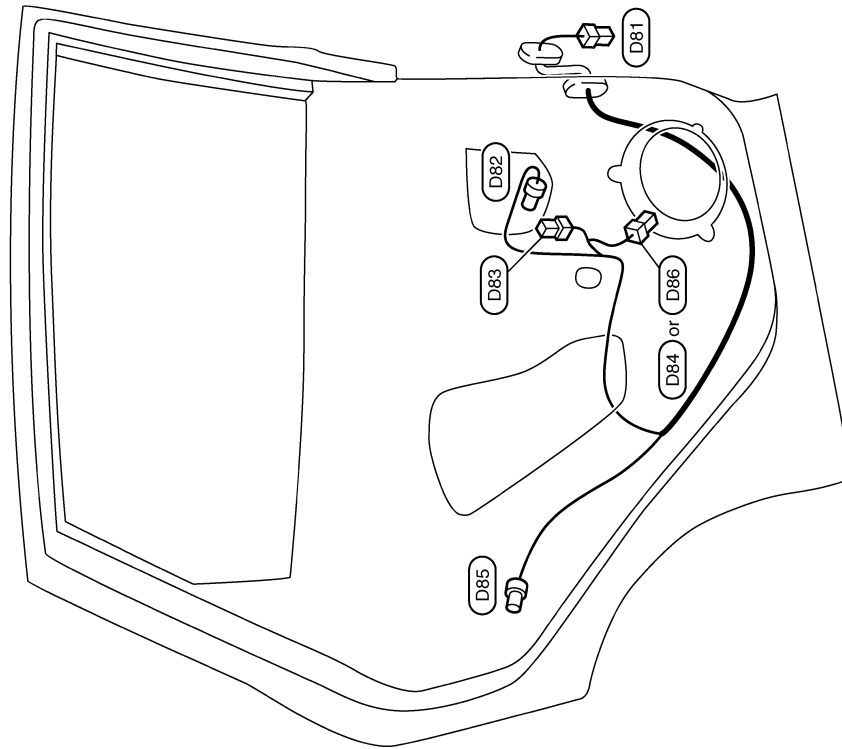
# HARNES LAYOUT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## Rear Door Harness (LH Side)

INFOID:000000004231226



REAR DOOR HARNESS (LH SIDE)

A  
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2008/07/15

JCMIM0531GB

# HARNES LAYOUT

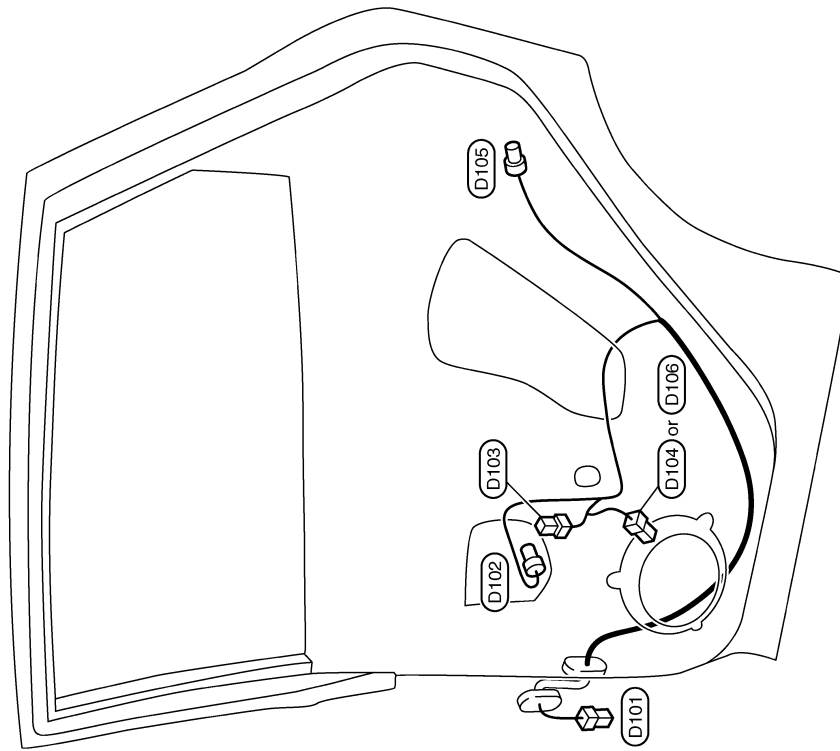
< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## Rear Door Harness (RH Side)

INFOID:000000004231227

REAR DOOR HARNESS (RH SIDE)



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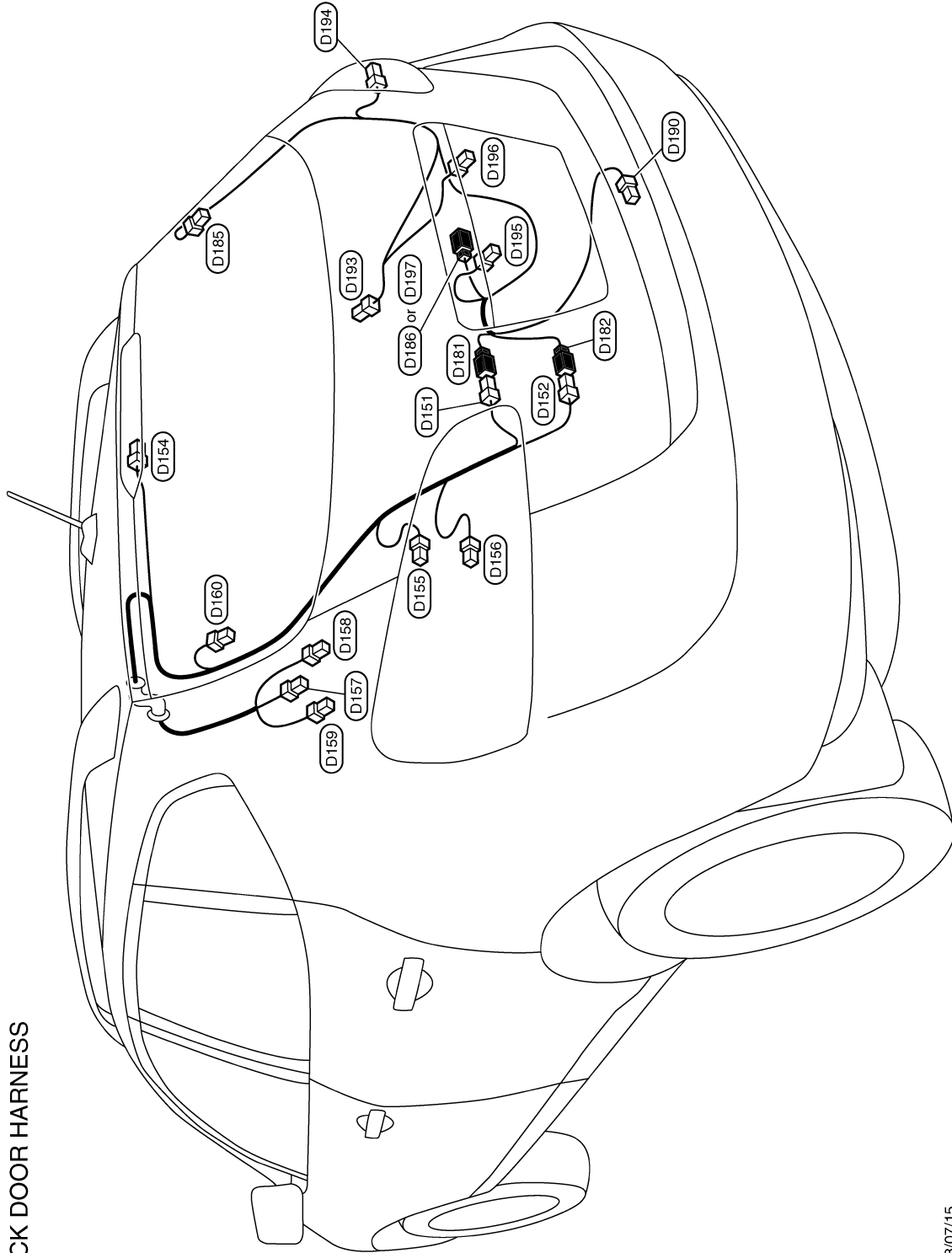
# HARNES LAYOUT

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## Back Door Harness

INFOID:000000004231228



BACK DOOR HARNESS

A  
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2008/07/15

JCMIM0533GB

# HARNESS CONNECTOR

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

## HARNESS CONNECTOR

### Description

INFOID:000000004231229

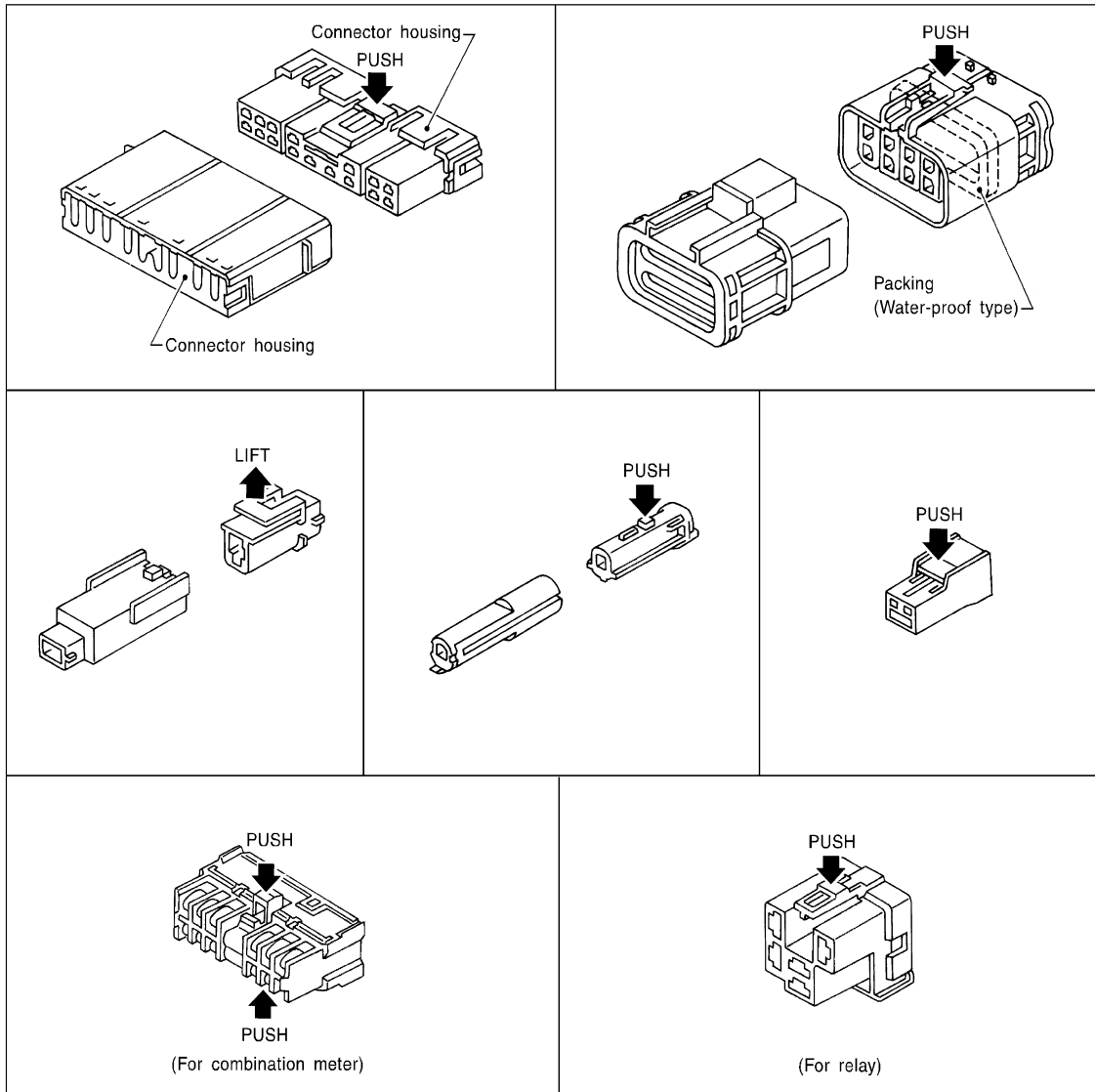
#### HARNESS CONNECTOR (TAB-LOCKING TYPE)

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

#### **CAUTION:**

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

[Example]



SEL769DA

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

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

# HARNESS CONNECTOR

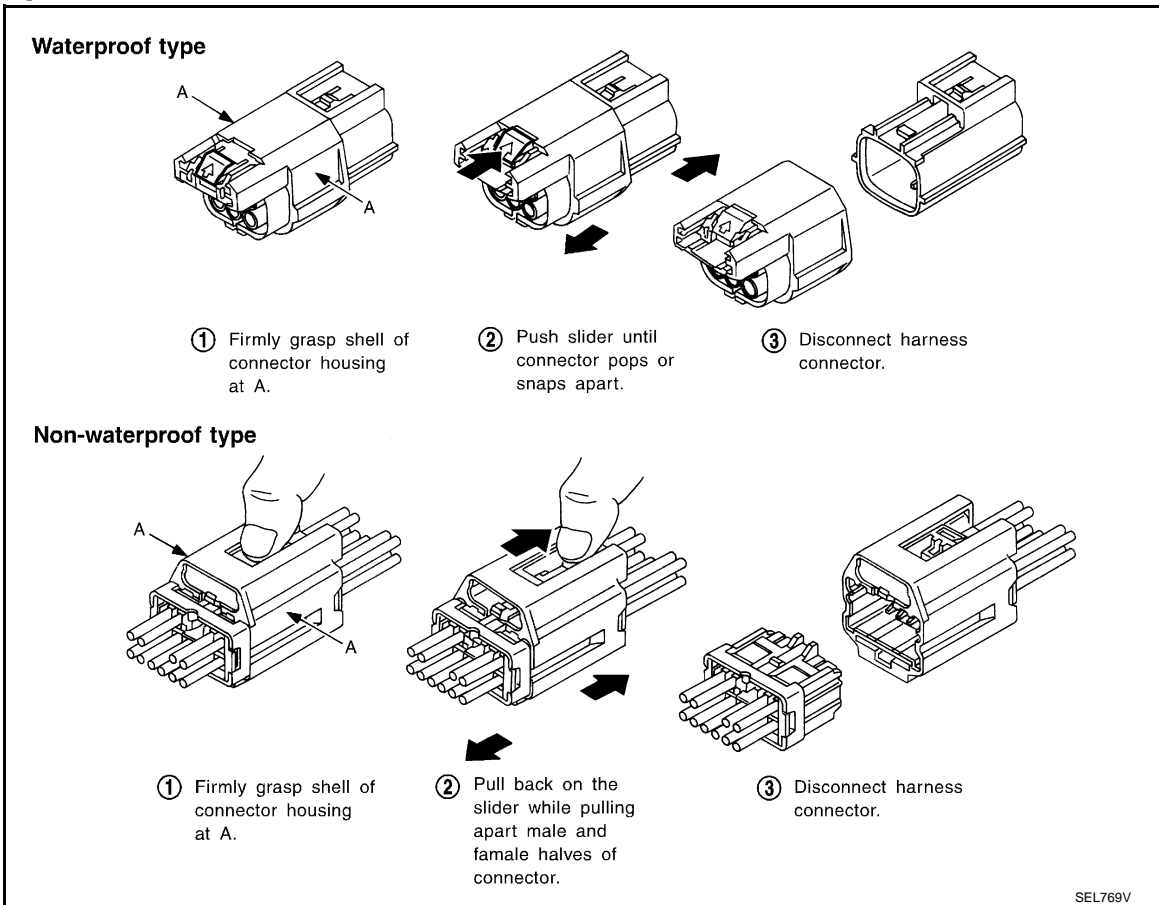
< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

**CAUTION:**

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

[Example]



## HARNESS CONNECTOR (LEVER LOCKING TYPE)

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

**CAUTION:**

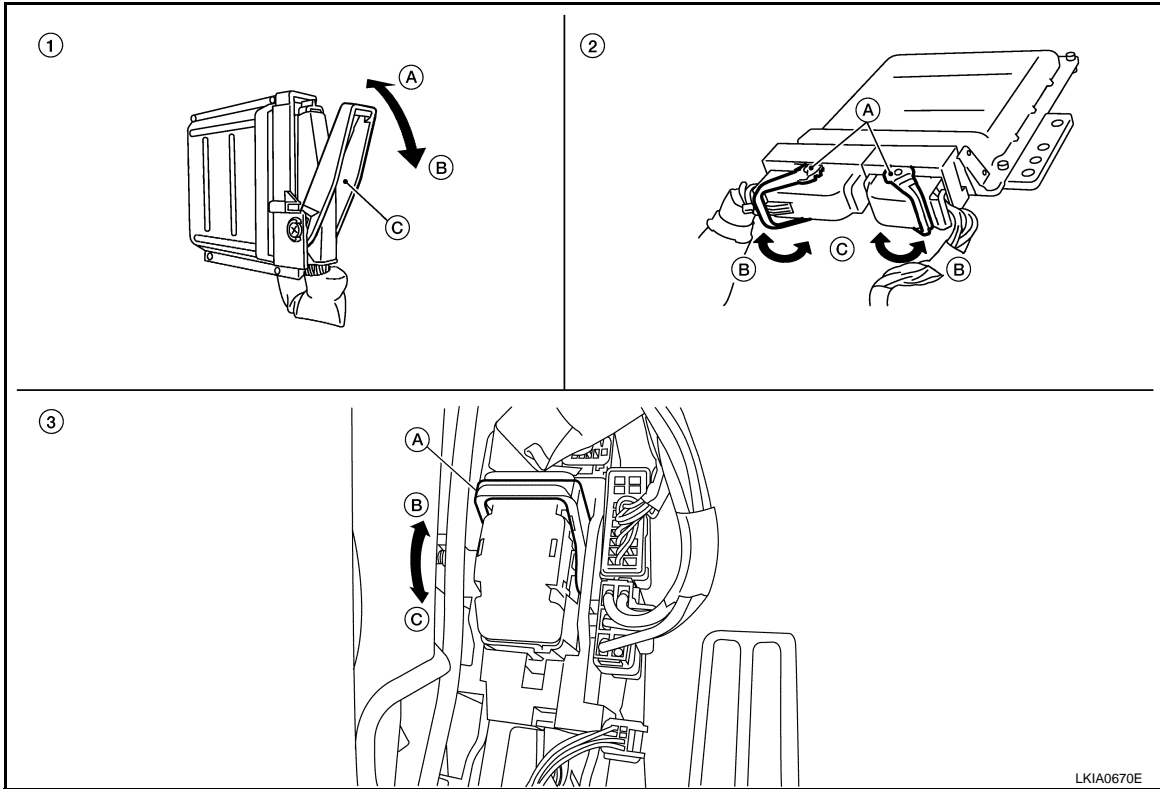
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# HARNES CONNECTOR

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

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



1. Control unit with single lever  
A. Fasten  
B. Loosen  
C. Lever

2. Control unit with dual levers  
A. Levers  
B. Fasten  
C. Loosen

3. SMJ connector  
A. Lever  
B. Fasten  
C. Loosen

# STANDARDIZED RELAY

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

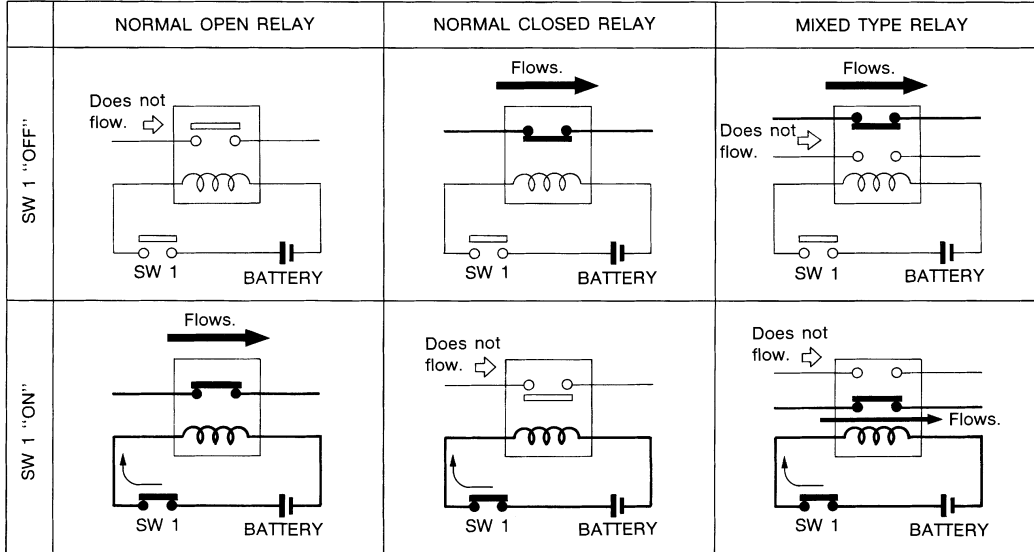
## STANDARDIZED RELAY

### Description

INFOID:000000004231230

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

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



SEL881H

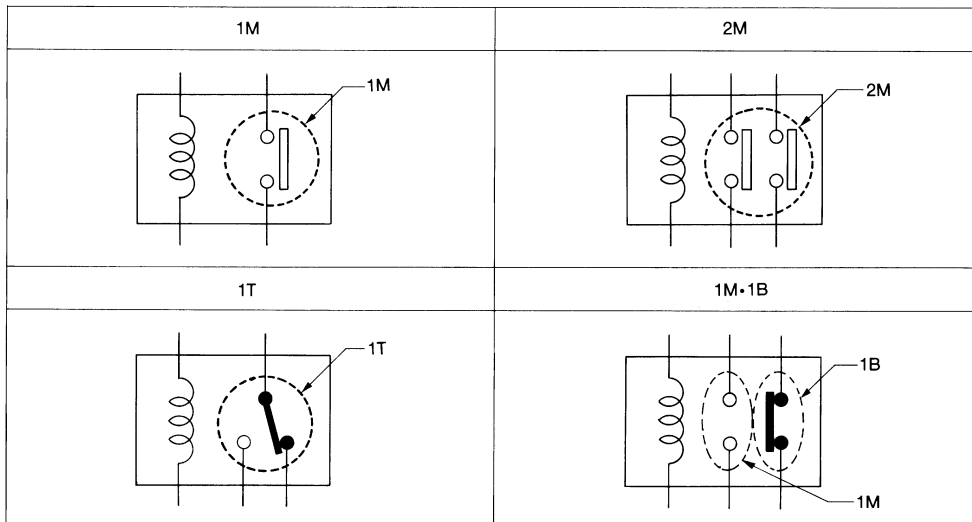
### TYPE OF STANDARDIZED RELAYS

1M ..... 1 Make

2M ..... 2 Make

1T ..... 1 Transfer

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

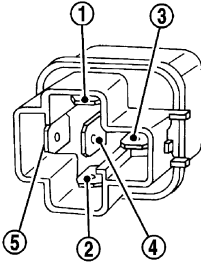
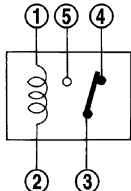
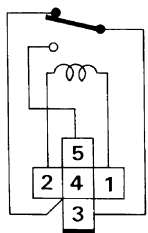
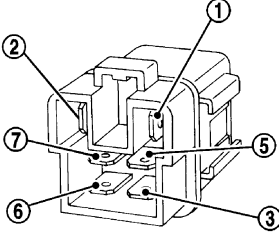
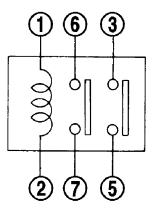
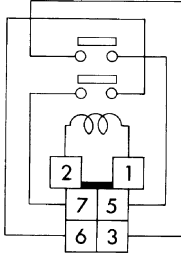
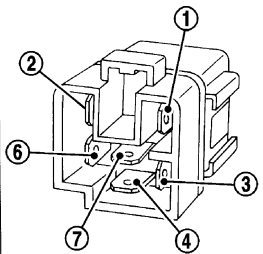
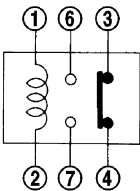
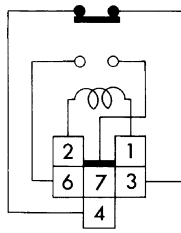
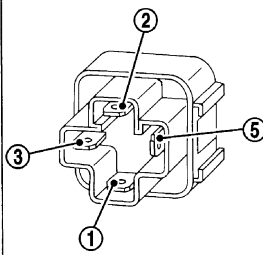
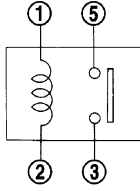
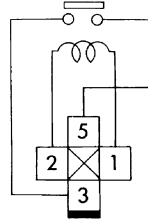
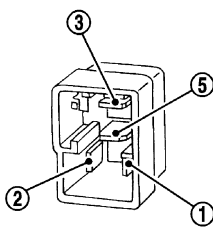
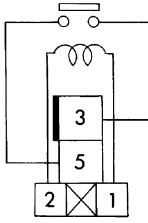


SEL882H

# STANDARDIZED RELAY

< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

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

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

SEL188W

# FUSE BLOCK - JUNCTION BOX (J/B)

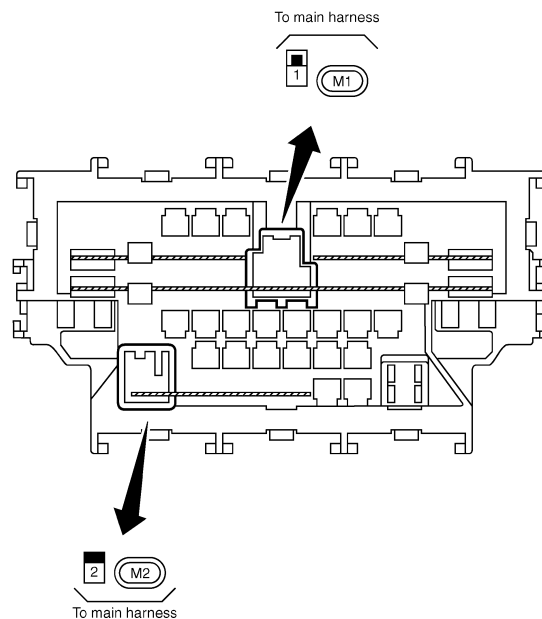
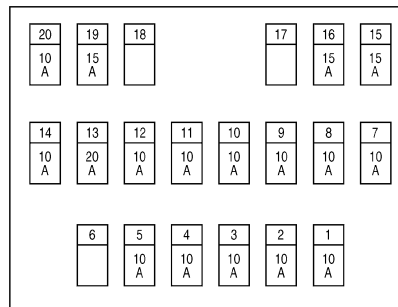
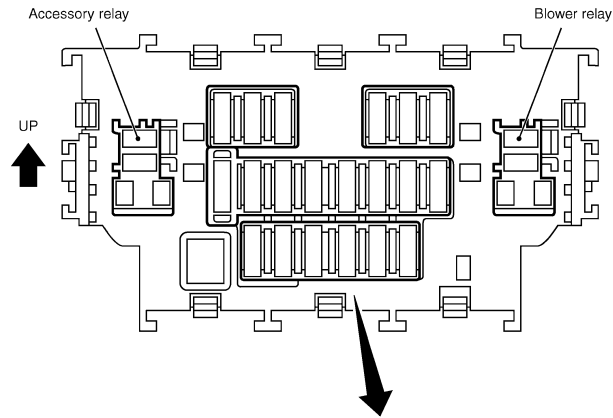
< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

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

### Fuse, Connector and Terminal Arrangement

INFOID:000000004231231



2008/07/15

JCMWM2926G

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# FUSE, FUSIBLE LINK AND RELAY BOX

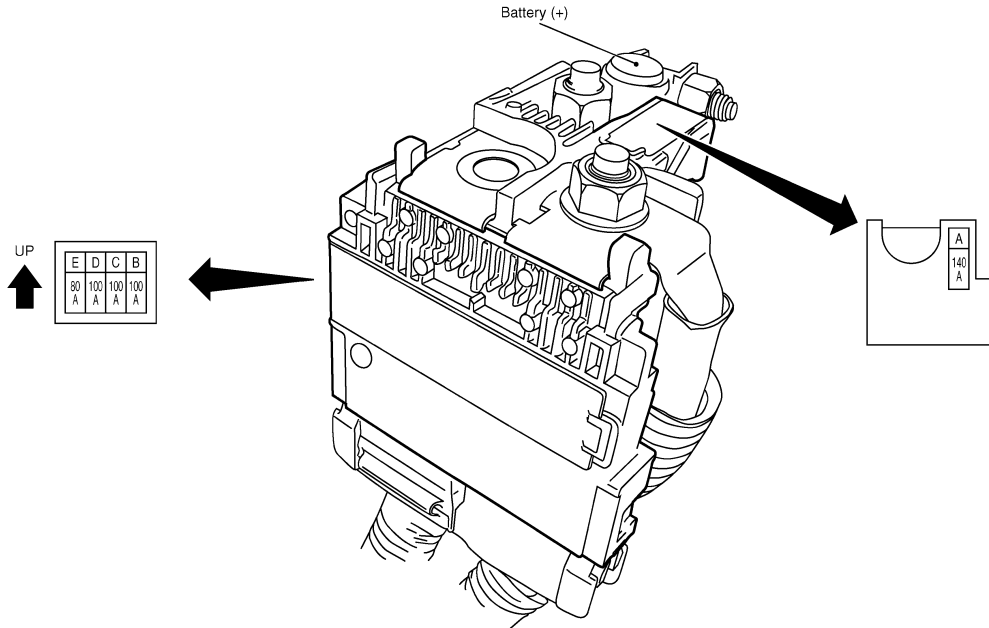
< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

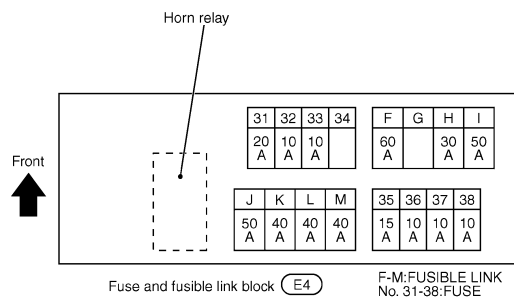
## FUSE, FUSIBLE LINK AND RELAY BOX

### Fuse and Fusible Link Arrangement

INFOID:000000004231232



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



2008/07/15

JCMWM2927G



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

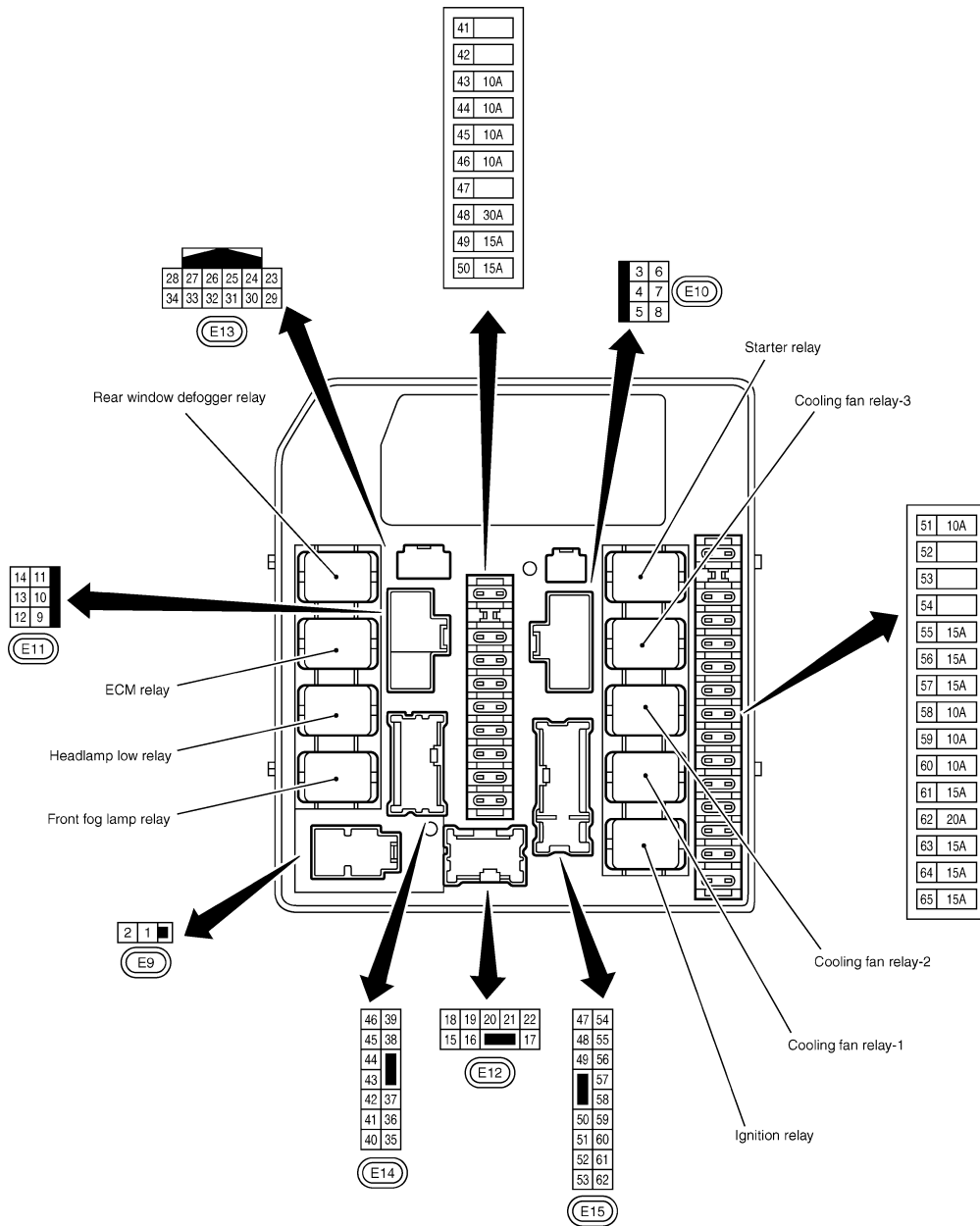
< COMPONENT DIAGNOSIS >

[POWER SUPPLY&GROUND CIRCUIT]

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

### Fuse, Connector and Terminal Arrangement

INFOID:000000004231233



To engine room harness

2008/07/15

JCMWM2928GI

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&lt; PRECAUTION &gt;

## PRECAUTION

### PRECAUTIONS

#### FOR USA AND CANADA

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

INFOID:000000004673699

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

Information necessary to service the system safely is included in the "SRS AIRBAG" and "SEAT BELT" 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 "SRS AIRBAG".
- Never use electrical test equipment on any circuit related to the SRS unless instructed to in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harnesses or harness connectors.

#### FOR MEXICO

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

INFOID:000000004673700

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

# PREPARATION

## [POWER SUPPLY&GROUND CIRCUIT]

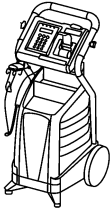
< PREPARATION >

# PREPARATION

## PREPARATION

### Special Service Tools

INFOID:000000004231236

| Tool number<br>(Kent-Moore No.)<br>Tool name   | Description  |
|--|--|
| <p>—<br/>(J-48087)<br/>Battery Service Center</p>  <p>WKIA5280E</p> | <p>Tests battery.<br/>For operating instructions, refer to Technical Service Bulletin and Battery Service Center User Guide.</p> |

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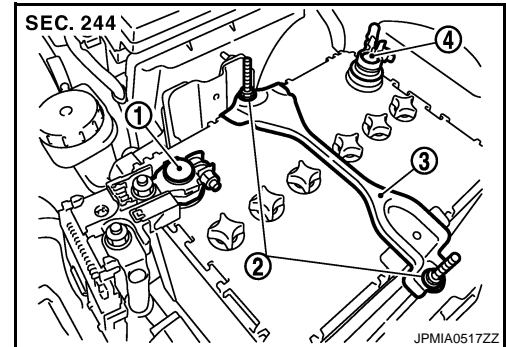
## ON-VEHICLE REPAIR

### BATTERY

#### Exploded View

INFOID:000000004231237

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

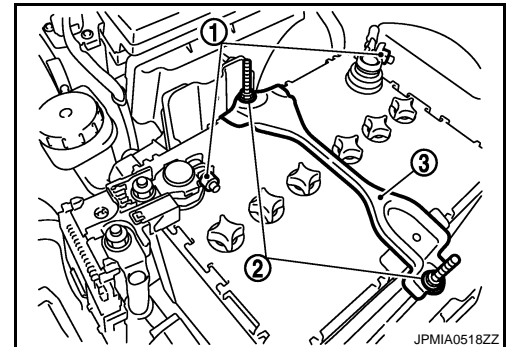


#### Removal and Installation

INFOID:000000004231238

##### REMOVAL

1. Remove cover of battery positive terminal.
2. Loosen battery terminal nuts (1), and disconnect both battery cables from battery terminals.  
**CAUTION:**  
**When disconnecting, disconnect the battery cable from the negative terminal first.**
3. Remove battery fix frame mounting nuts (2) and battery fix frame (3).
4. Remove battery.



##### INSTALLATION

Install in the reverse order of removal.

**CAUTION:**

**When connecting, connect the battery cable to the positive terminal first.**

**Battery fix frame mounting nut**

: 5.4 N·m (0.55 kg·m, 48 in·lb)

**Battery terminal nut**

: 5.4 N·m (0.55 kg·m, 48 in·lb)

Reset electronic systems as necessary. Refer to [GI-54, "ADDITIONAL SERVICE WHEN REMOVING BATTERY NEGATIVE TERMINAL : Required Procedure After Battery Disconnection"](#).

# BATTERY TERMINAL WITH FUSIBLE LINK

< ON-VEHICLE REPAIR >

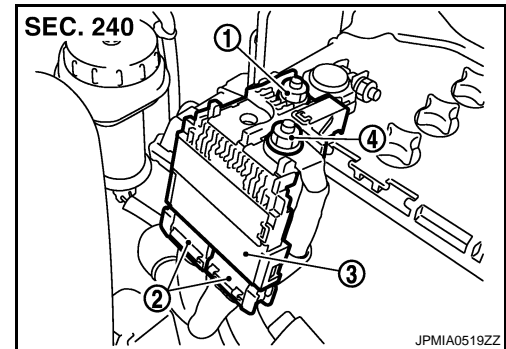
[POWER SUPPLY&GROUND CIRCUIT]

## BATTERY TERMINAL WITH FUSIBLE LINK

### Exploded View

INFOID:000000004231239

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

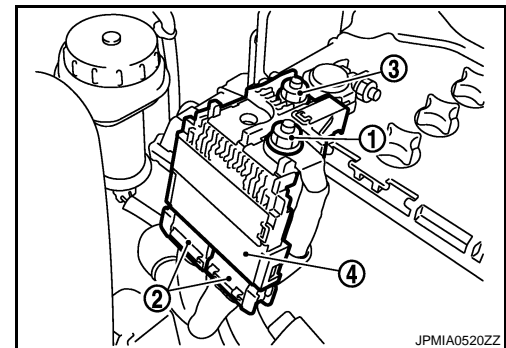


### Removal and Installation

INFOID:000000004231240

#### REMOVAL

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



#### INSTALLATION

Install in the reverse order of removal.

#### Harness mounting nut

: 13.2 N·m (1.3 kg-m, 10 ft-lb)

#### Fusible link holder mounting nut

: 13.2 N·m (1.3 kg-m, 10 ft-lb)

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# SERVICE DATA AND SPECIFICATIONS (SDS)

< SERVICE DATA AND SPECIFICATIONS (SDS)

[POWER SUPPLY&GROUND CIRCUIT]

## SERVICE DATA AND SPECIFICATIONS (SDS)

### SERVICE DATA AND SPECIFICATIONS (SDS)

#### Battery

INFOID:000000004231241

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