

SECTION **PG**

**POWER SUPPLY, GROUND & CIRCUIT ELEMENTS**

**CONTENTS**

|   |  |    |   |
|---|--|----|---|
| <b>POWER SUPPLY &amp; GROUND CIRCUIT</b>        | Circuit Breaker .....  | 55 | F |
| <b>BASIC INSPECTION</b> .....                   | <b>OPTION HARNESS</b> .....  | 56 | G |
| <b>BATTERY</b> .....                            | Wiring Diagram - OPTION HARNESS - .....  | 56 |   |
| How to Handle Battery .....                     | <b>HARNESS LAYOUT</b> .....  | 59 | H |
| Work Flow .....                                 | Outline .....  | 59 |   |
| <b>DTC/CIRCUIT DIAGNOSIS</b> .....              | Engine Room Harness .....  | 60 | I |
| <b>POWER SUPPLY ROUTING CIRCUIT</b> .....       | Engine Control Harness .....   | 62 |   |
| Wiring Diagram - BATTERY POWER SUPPLY - .....   | Main Harness .....   | 63 | J |
| Wiring Diagram - BATTERY POWER SUPPLY           | Body Harness / Tail Harness .....  | 64 |   |
| FUSIBLE LINK No. H - .....                      | Door Harness .....   | 66 | K |
| Wiring Diagram - BATTERY POWER SUPPLY           | Room Lamp Harness .....  | 71 |   |
| FUSE No. 10 - .....                             | <b>HARNESS CONNECTOR</b> .....   | 72 | L |
| Wiring Diagram - BATTERY POWER SUPPLY           | Description .....  | 72 |   |
| FUSE No. 34 - .....                             | <b>STANDARDIZED RELAY</b> .....  | 75 |   |
| Wiring Diagram - BATTERY POWER SUPPLY           | Description .....  | 75 |   |
| FUSE No. 43 - .....                             | <b>FUSE BLOCK - JUNCTION BOX (J/B)</b> .....   | 77 |   |
| Wiring Diagram - BATTERY POWER SUPPLY           | Fuse, Connector and Terminal Arrangement .....   | 77 |   |
| FUSE No. 47 - .....                             | <b>FUSE, FUSIBLE LINK AND RELAY BOX</b> .....  | 78 |   |
| Wiring Diagram - ACCESSORY POWER SUPPLY - ..... | Fuse and Fusible Link Arrangement .....  | 78 |   |
| Wiring Diagram - ACCESSORY POWER SUPPLY         | <b>IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)</b> .....                        | 79 |   |
| FUSE No. 20 - .....                             | Fuse, Connector and Terminal Arrangement .....   | 79 |   |
| Wiring Diagram - IGNITION POWER SUPPLY - .....  | <b>PRECAUTION</b> .....  | 80 |   |
| Wiring Diagram - IGNITION POWER SUPPLY          | <b>PRECAUTIONS</b> .....   | 80 |   |
| FUSE No. 2 - .....                              | Precaution for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TENSIONER" ..... | 80 |   |
| Wiring Diagram - IGNITION POWER SUPPLY          | Precautions for Removing of Battery Terminal .....   | 80 |   |
| FUSE No. 16 - .....                             | <b>PREPARATION</b> .....   | 81 |   |
| Wiring Diagram - IGNITION POWER SUPPLY          | <b>PREPARATION</b> .....   | 81 |   |
| FUSE No. 41, 42 - .....                         | Special Service Tools .....  | 81 |   |
| Wiring Diagram - IGNITION POWER SUPPLY          |  |    |   |
| FUSE No. 55 - .....                             |  |    |   |
| Wiring Diagram - IGNITION POWER SUPPLY          |  |    |   |
| FUSE No. 57 - .....                             |  |    |   |
| Wiring Diagram - IGNITION POWER SUPPLY          |  |    |   |
| FUSE No. 62 - .....                             |  |    |   |
| Fuse .....                                      |  |    |   |
| Fusible Link .....                              |  |    |   |

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| <b>REMOVAL AND INSTALLATION</b> .....         | <b>82</b> | <b>SERVICE DATA AND SPECIFICATIONS</b> |           |
| <b>BATTERY</b> .....                          | <b>82</b> | <b>(SDS)</b> .....                     | <b>84</b> |
| Exploded View .....                           | 82        | <b>SERVICE DATA AND SPECIFICATIONS</b> |           |
| Removal and Installation .....                | 82        | <b>(SDS)</b> .....                     | <b>84</b> |
| <b>BATTERY TERMINAL WITH FUSIBLE LINK</b> ... | <b>83</b> | Battery .....                          | 84        |
| Exploded View .....                           | 83        |  |           |
| Removal and Installation .....                | 83        |  |           |

## BASIC INSPECTION

### BATTERY

#### How to Handle Battery

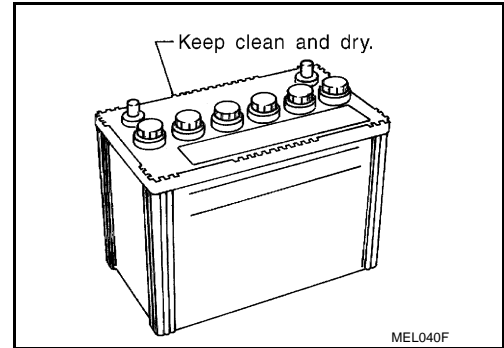
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**CAUTION:**

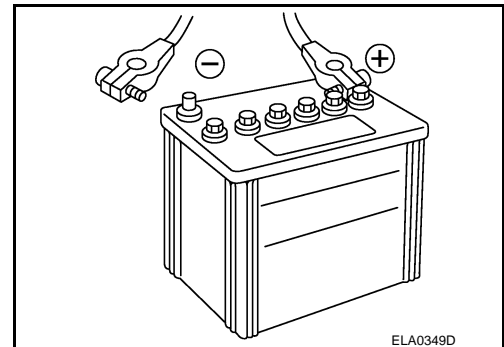
- If it becomes necessary to start the engine with a booster battery and jumper cables, use a 12-volt booster battery.
- After connecting battery cables, ensure that they are tightly clamped to battery terminals for good contact.
- Never add distilled water through the hole used to check specific gravity.

#### 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 fuse switch, turn it off.)



#### Work Flow

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

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

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

**NOTE:**

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

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

##### Check Electrolyte Level

**WARNING:**

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

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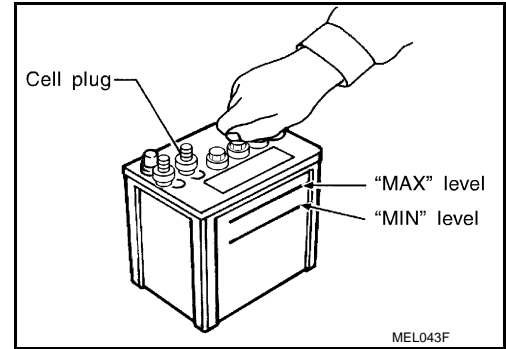
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# BATTERY

## [POWER SUPPLY & GROUND CIRCUIT]

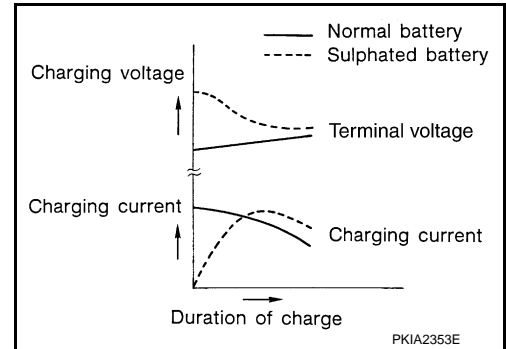
### < BASIC INSPECTION >

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



### SULPHATION

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



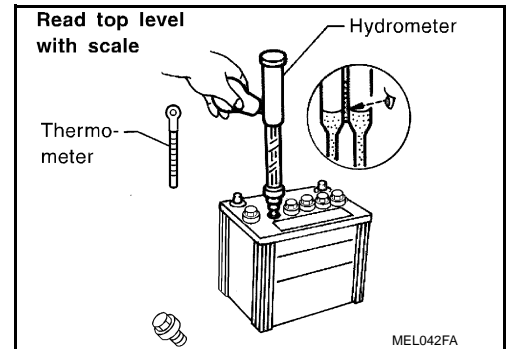
### Specific Gravity Check

#### NOTE:

Check the charge condition of the battery.

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

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



### Hydrometer Temperature Correction

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

# BATTERY

< BASIC INSPECTION >

[POWER SUPPLY & GROUND CIRCUIT]

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

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

## Charging The Battery

### CAUTION:

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

### Charging Rates (Standard Charge)

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

### Charging Rates (Quick Charge)

| Approximate charge condition | Charge current (A) | Charge time (h) |
|------------------------------|--------------------|-----------------|
| Fully charged                | —                  | —               |
| 3/4 charged                  | 13                 | 0.5             |
| 1/2 charged                  | 25                 |                 |
| 1/4 charged                  |                    |                 |
| Almost discharged            | —                  | —               |
| Completely discharged        | —                  |                 |

### NOTE:

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

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

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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

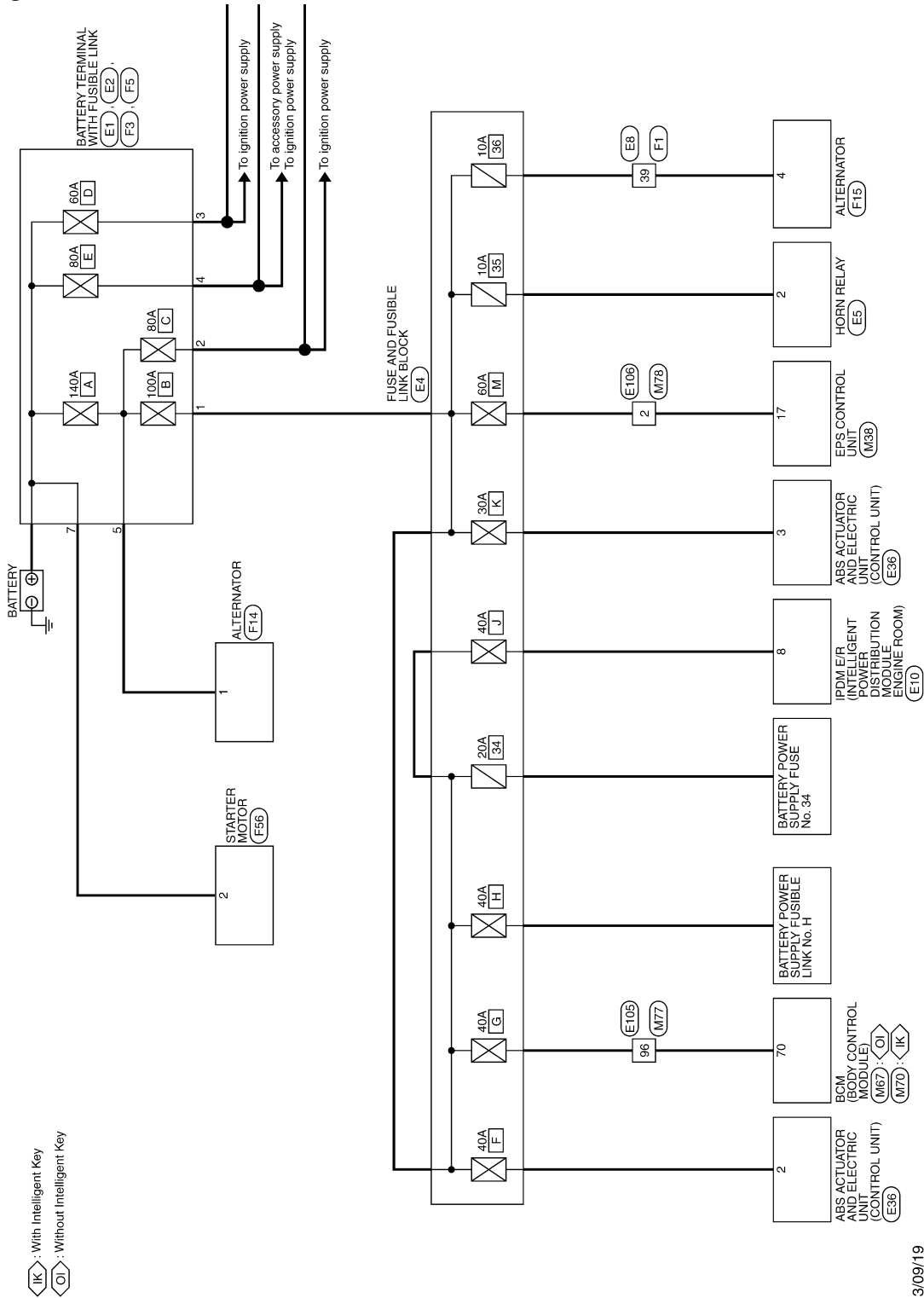
## DTC/CIRCUIT DIAGNOSIS

### POWER SUPPLY ROUTING CIRCUIT

#### Wiring Diagram - BATTERY POWER SUPPLY -

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### BATTERY POWER SUPPLY



(IK) : With Intelligent Key  
 (OI) : Without Intelligent Key

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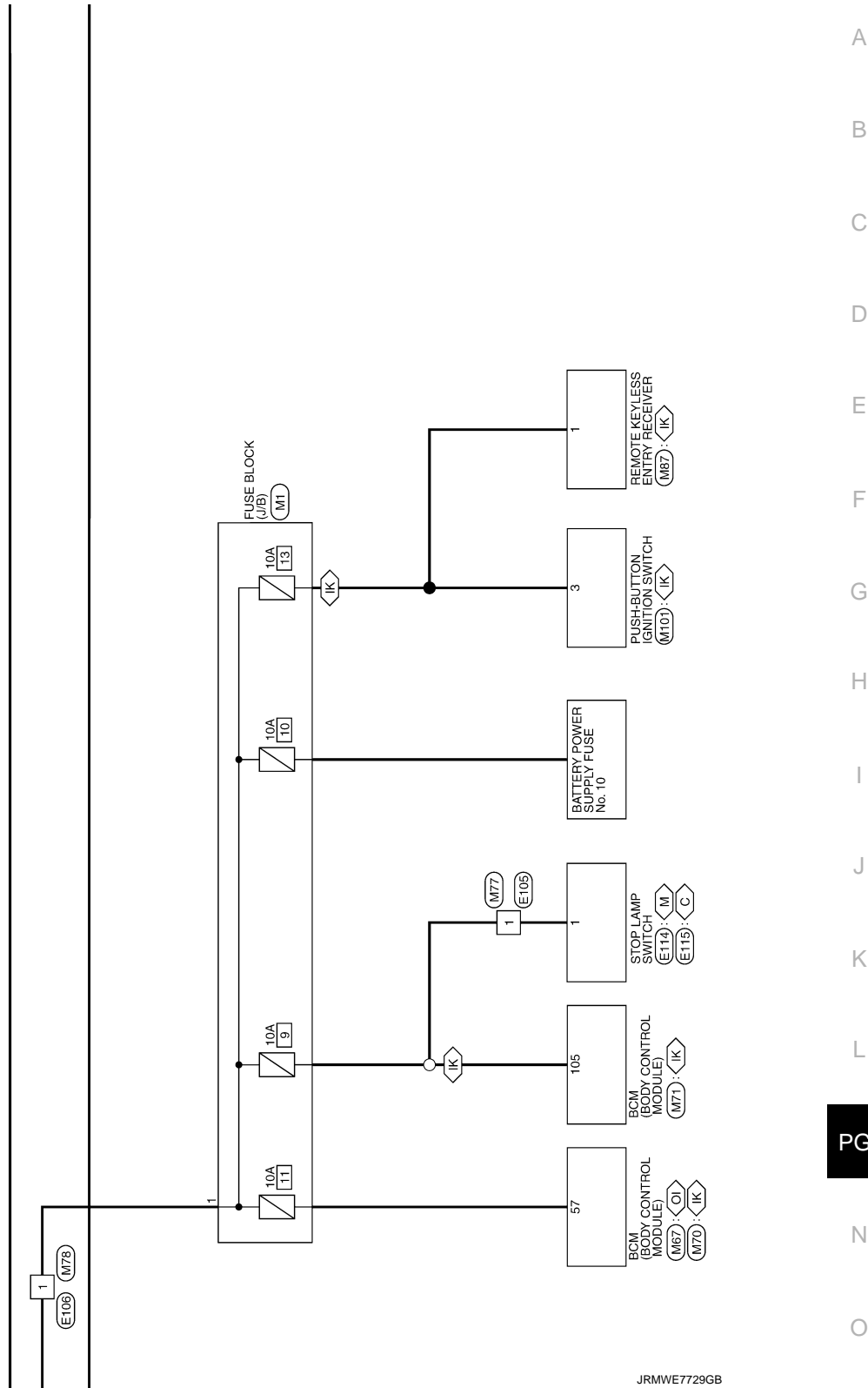
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# POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

- ◻ C : With CVT
- ◻ M : With M/T
- ◻ IK : With Intelligent Key
- ◻ OI : Without Intelligent Key



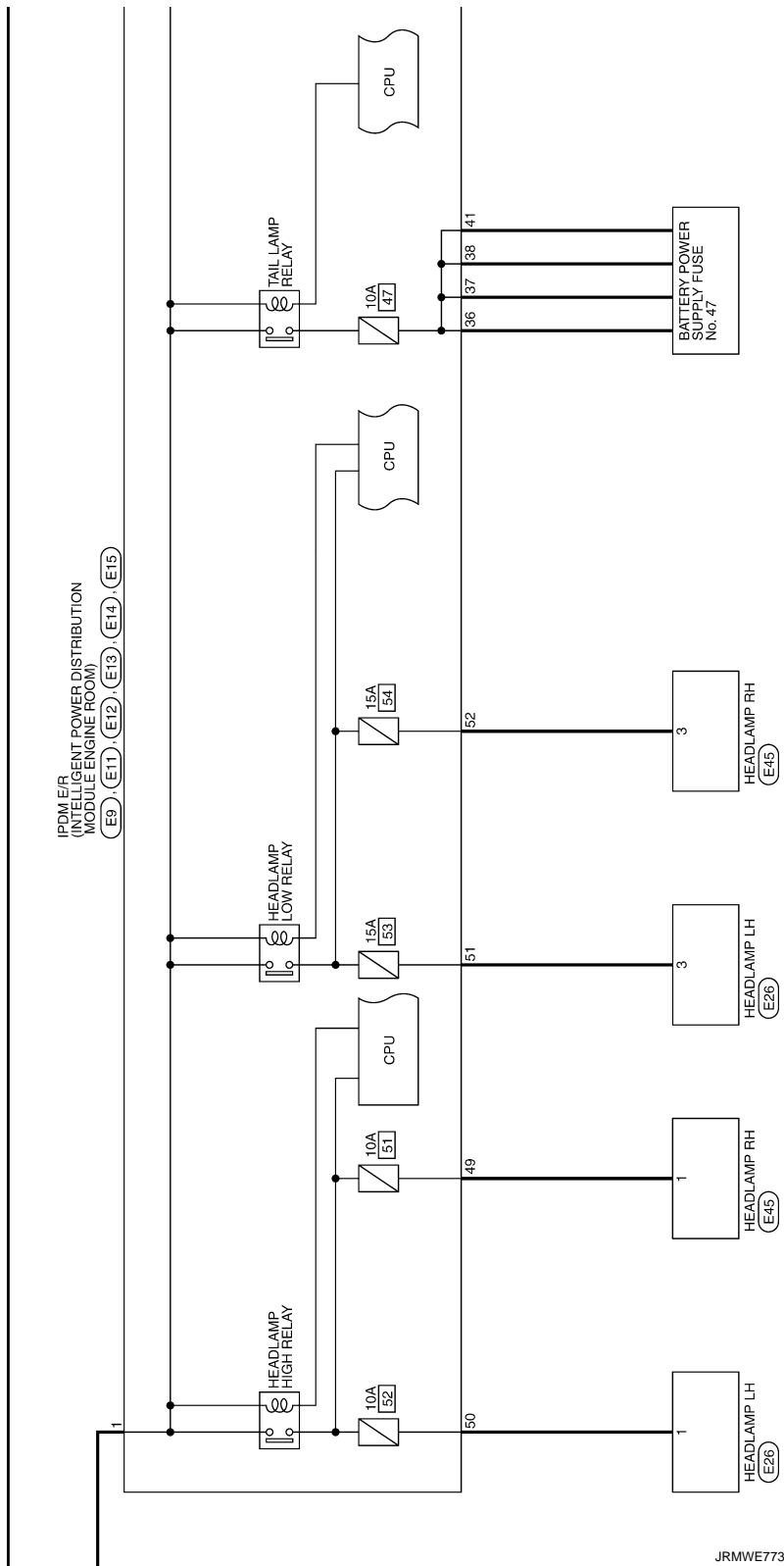
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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]



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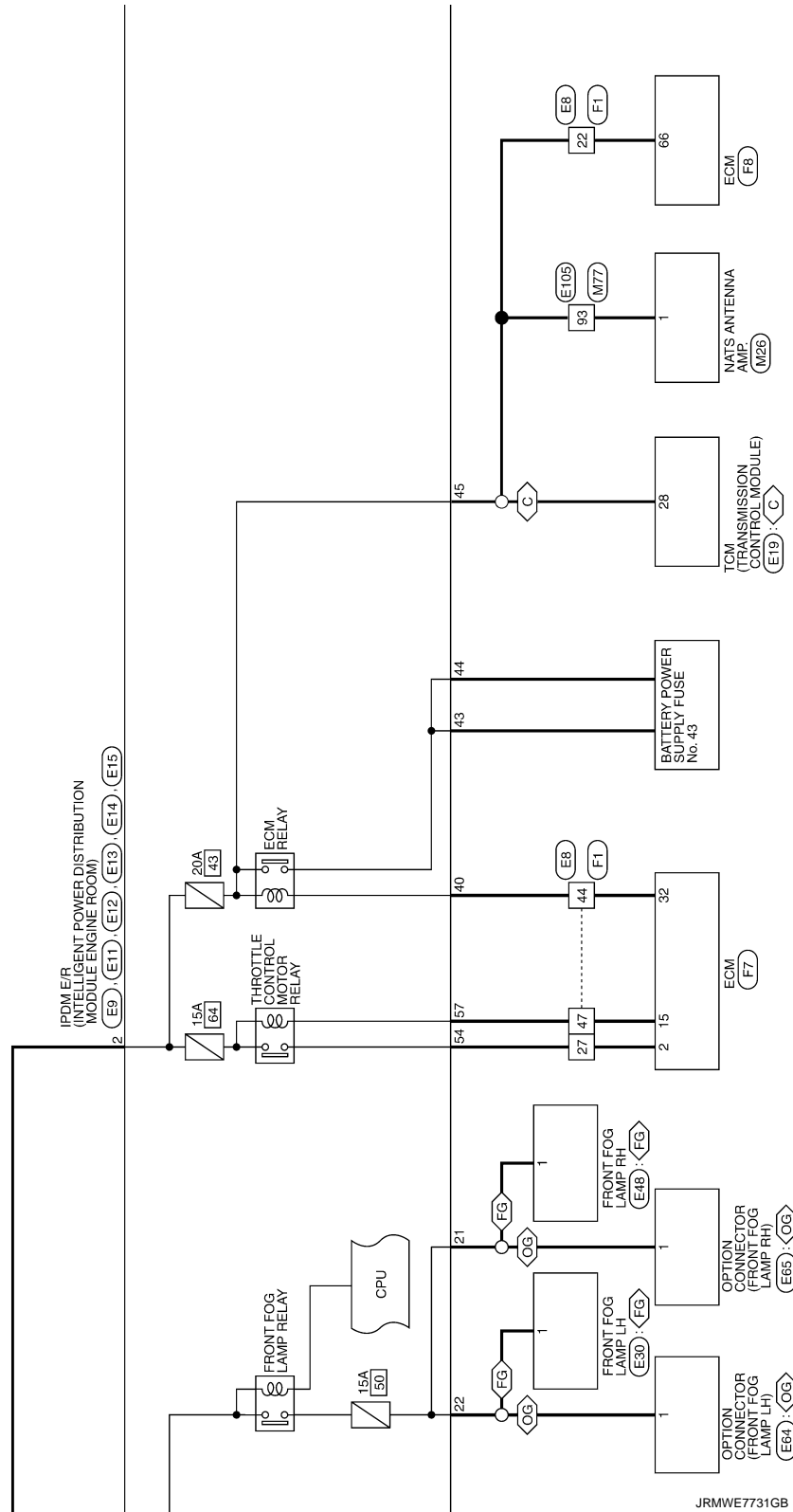


# POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

- C : With CVT
- FG : With front fog lamp
- OG : Without front fog lamp

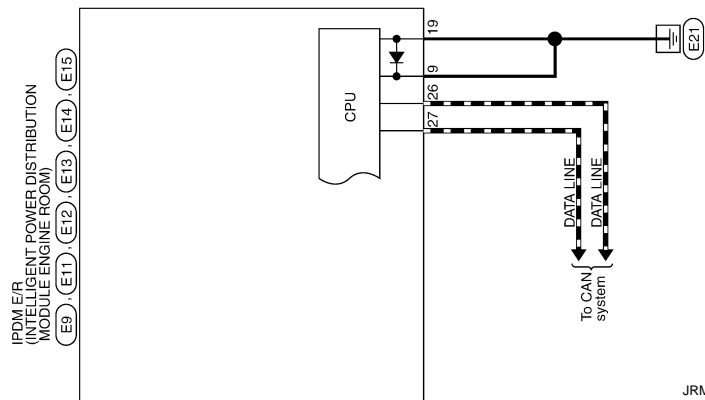


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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]



JRMWE7732GB

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BATTERY POWER SUPPLY

|                |                                  |
|----------------|----------------------------------|
| Connector No.  | B20                              |
| Connector Name | EYAF CANISTER VENT CONTROL VALVE |
| Connector Type | E02FBRS                          |



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

|                |                  |
|----------------|------------------|
| Connector No.  | B54              |
| Connector Name | TEL ADAPTER UNIT |
| Connector Type | TH52FM-NH        |



|   |   |   |    |    |    |    |    |    |
|---|---|---|----|----|----|----|----|----|
| 2 | 4 | 8 | 10 | 14 | 16 | 20 | 24 | 28 |
| 1 | 3 | 7 | 9  | 11 | 15 | 17 | 19 | 23 |
|   |   |   |    |    |    |    |    |    |
|   |   |   |    |    |    |    |    |    |

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

|    |   |                         |
|----|---|-------------------------|
| 22 | B | CONTROL SIGNAL          |
| 23 | B | CONTROL SIGNAL          |
| 24 | B | CONTROL SIGNAL          |
| 27 | B | CONTROL SIGNAL          |
| 28 | O | VEHICLE SPEED (2-PULSE) |
| 29 | R | MICROPHONE VCC          |

|                |                          |
|----------------|--------------------------|
| Connector No.  | B59                      |
| Connector Name | REAR COMBINATION LAMP RH |
| Connector Type | RS08FB-FR                |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | Y             | -                           |
| 3            | B             | -                           |
| 4            | W             | -                           |
| 5            | R             | -                           |
| 6            | V             | -                           |

|                |                          |
|----------------|--------------------------|
| Connector No.  | B80                      |
| Connector Name | REAR COMBINATION LAMP LH |
| Connector Type | RS08FB-FR                |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | Y             | -                           |
| 3            | B             | -                           |
| 4            | P             | -                           |
| 5            | R             | -                           |
| 6            | GR            | -                           |

|                |           |
|----------------|-----------|
| Connector No.  | D127      |
| Connector Name | WOOFER    |
| Connector Type | NS06FM-CS |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | SB            | BATTERY                     |
| 2            | BR            | SOUND SIGNAL WOOFER (+)     |
| 3            | D             | GROUND                      |
| 4            | Y             | WOOFER AMP ON SIGNAL        |
| 6            | R             | SOUND SIGNAL WOOFER (-)     |

|                |                                    |
|----------------|------------------------------------|
| Connector No.  | E1                                 |
| Connector Name | BATTERY TERMINAL WITH FUSIBLE LINK |
| Connector Type | L02FGV-MC                          |



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

|                |                                    |
|----------------|------------------------------------|
| Connector No.  | E2                                 |
| Connector Name | BATTERY TERMINAL WITH FUSIBLE LINK |
| Connector Type | L02FBR-MC                          |



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

|                |                             |
|----------------|-----------------------------|
| Connector No.  | E4                          |
| Connector Name | FUSE AND FUSIBLE LINK BLOCK |
| Connector Type | 24381-C9800                 |



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

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 34           | R             | -                           |
| 35           | G             | -                           |
| 36           | SB            | -                           |
|              | F             | Y                           |
|              | G             | LG                          |
|              | H             | P                           |
|              | J             | V                           |
|              | K             | L                           |
|              | M             | R                           |

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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BATTERY POWER SUPPLY

|                |                   |
|----------------|-------------------|
| Connector No.  | E5                |
| Connector Name | HORN RELAY        |
| Connector Type | Relay_24381_C9900 |



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

|                |                   |
|----------------|-------------------|
| Connector No.  | E8                |
| Connector Name | WIRE TO WIRE      |
| Connector Type | SAJ36MB-RS10-SJ22 |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | BR            | -                           |
| 2            | LG            | -                           |
| 3            | Y             | -                           |
| 4            | W             | -                           |
| 7            | Y             | -                           |
| 8            | SB            | -                           |
| 9            | L             | -                           |
| 10           | V             | -                           |
| 11           | P             | -                           |
| 12           | BR            | -                           |
| 13           | LG            | -                           |
| 14           | Y             | -                           |
| 15           | SB            | -                           |
| 16           | W             | -                           |
| 17           | W             | -                           |
| 18           | O             | -                           |
| 21           | G             | -                           |

|    |    |              |
|----|----|--------------|
| 22 | Y  | -            |
| 23 | SB | -            |
| 24 | W  | -            |
| 25 | BR | -            |
| 26 | BY | -            |
| 27 | GR | -            |
| 28 | P  | -            |
| 29 | V  | -            |
| 30 | G  | -            |
| 31 | G  | -            |
| 32 | O  | -            |
| 33 | W  | -            |
| 34 | Y  | -            |
| 35 | V  | -            |
| 36 | P  | -            |
| 37 | LG | -            |
| 39 | SB | -            |
| 40 | GR | -            |
| 41 | O  | -            |
| 42 | V  | -            |
| 43 | LG | - [With M/T] |
| 43 | R  | - [With CVT] |
| 44 | R  | -            |
| 46 | W  | -            |
| 47 | G  | -            |
| 48 | BR | -            |

|                |   |
|----------------|---|
| Connector No.  | E9  |
| Connector Name | POWER INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM) |
| Connector Type | L02FB-MC  |



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

|                |   |
|----------------|---|
| Connector No.  | E10   |
| Connector Name | POWER INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM) |
| Connector Type | M06FW-LC  |



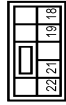
| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 3            | BR            | -                           |
| 4            | P             | -                           |
| 5            | LG            | -                           |
| 6            | SB            | -                           |
| 7            | Y             | -                           |
| 8            | V             | -                           |

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



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 9            | BR            | -                           |
| 10           | L             | -                           |
| 13           | W             | -                           |

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



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 18           | Y             | -                           |
| 19           | BR            | -                           |
| 21           | W             | -                           |
| 22           | V             | -                           |

|                |   |
|----------------|---|
| Connector No.  | E13   |
| Connector Name | POWER INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM) |
| Connector Type | THZFW-NH  |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 24           | G             | -                           |
| 25           | Y             | -                           |
| 26           | P             | -                           |
| 27           | L             | -                           |
| 28           | P             | -                           |
| 30           | SB            | -                           |
| 31           | W             | -                           |
| 33           | O             | -                           |
| 34           | R             | -                           |

JRMWE7847GB

# POWER SUPPLY ROUTING CIRCUIT

## [POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

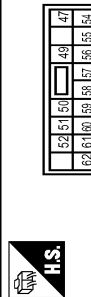
### BATTERY POWER SUPPLY

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



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 36           | O             | -                           |
| 37           | V             | -                           |
| 38           | G             | -                           |
| 39           | V             | -                           |
| 40           | R             | -                           |
| 41           | SB            | -                           |
| 43           | G             | -                           |
| 44           | P             | -                           |
| 45           | Y             | -                           |
| 46           | O             | -                           |

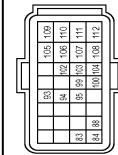
|                |   |
|----------------|---|
| Connector No.  | E15   |
| Connector Name | POWER INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM) |
| Connector Type | NS16FM-CS   |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 47           | BR            | -                           |
| 49           | W             | -                           |
| 50           | GR            | -                           |
| 51           | R             | -                           |
| 52           | P             | -                           |
| 54           | GR            | -                           |
| 55           | P             | -                           |
| 56           | SB            | -                           |
| 57           | G             | -                           |
| 58           | LG            | - [With M/T]                |

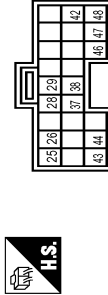
|    |   |              |
|----|---|--------------|
| 58 | R | - [With CVT] |
| 59 | Y | -            |
| 60 | V | -            |
| 61 | W | -            |
| 62 | L | -            |

|                |                  |
|----------------|------------------|
| Connector No.  | E16              |
| Connector Name | ECM              |
| Connector Type | RH24FBR-FZ8-L-RH |



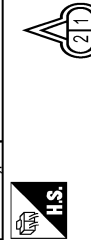
| Terminal No. | Color Of Wire | Signal Name [Specification]         |
|--------------|---------------|-------------------------------------|
| 83           | P             | CAN COMMUNICATION LINE              |
| 84           | L             | CAN COMMUNICATION LINE              |
| 88           | LG            | DATA LINK CONNECTOR                 |
| 93           | L             | IGNITION SWITCH                     |
| 94           | SB            | ASC/D STEERING SWITCH               |
| 95           | BR            | SENSOR GROUND                       |
| 99           | W             | STOP LAMP SWITCH                    |
| 100          | SB            | ASC/D BRAKE SWITCH                  |
| 102          | O             | SENSOR POWER SUPPLY                 |
| 103          | G             | ACCELERATOR PEDAL POSITION SENSOR 2 |
| 104          | R             | SENSOR GROUND                       |
| 105          | G             | POWER SUPPLY FOR ECM                |
| 106          | V             | SENSOR POWER SUPPLY                 |
| 107          | B             | ECM GROUND                          |
| 108          | B             | ECM GROUND                          |
| 109          | B             | ECM GROUND                          |
| 110          | BR            | ACCELERATOR PEDAL POSITION SENSOR 1 |
| 111          | Y             | SENSOR GROUND                       |
| 112          | B             | ECM GROUND                          |

|                |                                   |
|----------------|-----------------------------------|
| Connector No.  | E19                               |
| Connector Name | TCM (TRANSMISSION CONTROL MODULE) |
| Connector Type | TK24FGY                           |



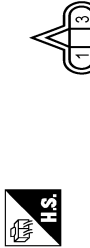
| Terminal No. | Color Of Wire | Signal Name [Specification]      |
|--------------|---------------|----------------------------------|
| 25           | B             | GROUND                           |
| 26           | LG            | N RANGE SW                       |
| 28           | V             | BATTERY FUEL PUMP RELAY (BACKUP) |
| 29           | W             | SECONDARY SPEED SENSOR           |
| 37           | P             | SECONDARY PRESSURE SENSOR        |
| 38           | V             | PRIMARY SPEED SENSOR             |
| 42           | R             | SENSOR GROUND                    |
| 43           | SB            | D RANGE SW                       |
| 44           | L             | L RANGE SW                       |
| 46           | BR            | SENSOR POWER                     |
| 47           | LG            | CVT FLUID TEMPERATURE SENSOR     |
| 48           | B             | GROUND                           |

|                |                 |
|----------------|-----------------|
| Connector No.  | E24             |
| Connector Name | PARKING LAMP LH |
| Connector Type | RK02FB          |



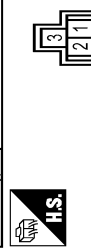
| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | Y             | -                           |
| 2            | BR            | -                           |

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



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

|                |             |
|----------------|-------------|
| Connector No.  | E26         |
| Connector Name | HEADLAMP LH |
| Connector Type | NK03FB      |



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

JRMWE7848GB

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

PG

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

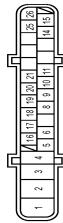
## BATTERY POWER SUPPLY

|                |                   |
|----------------|-------------------|
| Connector No.  | E30               |
| Connector Name | FRONT FOG LAMP LH |
| Connector Type | FCL 240PC023S4019 |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | V             | -                           |
| 2            | BW            | -                           |

|                |   |
|----------------|---|
| Connector No.  | E36   |
| Connector Name | ABS ACTUATOR AND ELECTRIC UNIT (CONTROL LAMP) |
| Connector Type | BA42ZF-AMZL-RH                                |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | B             | GND (MTR)                   |
| 2            | Y             | BAT (MTR)                   |
| 3            | L             | BAT (SOL)                   |
| 4            | B             | GND (SOL)                   |
| 5            | Y             | DS FL                       |
| 6            | W             | DP FL                       |
| 8            | O             | DP RR                       |
| 9            | L             | DP FR                       |
| 10           | R             | DS FR                       |
| 11           | LG            | K LINE                      |
| 14           | GR            | CANL                        |
| 15           | P             | CANH                        |
| 16           | BR            | DP FL                       |
| 17           | G             | DS FL                       |
| 18           | V             | IGSN                        |
| 19           | SB            | DS RR                       |
| 20           | W             | STOP LAMP SW                |
| 21           | P             | VDC OFF SW                  |

|    |   |      |
|----|---|------|
| 25 | R | CANH |
| 26 | L | CANH |

|                |                 |
|----------------|-----------------|
| Connector No.  | E43             |
| Connector Name | PARKING LAMP RH |
| Connector Type | RK02FB          |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | V             | -                           |
| 2            | BY            | -                           |

|                |              |
|----------------|--------------|
| Connector No.  | E45          |
| Connector Name | HEAD LAMP RH |
| Connector Type | INQ03FB      |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | W             | -                           |
| 2            | BY            | -                           |
| 3            | P             | -                           |

|                |                   |
|----------------|-------------------|
| Connector No.  | E48               |
| Connector Name | FRONT FOG LAMP RH |
| Connector Type | FCL 240PC023S4019 |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | W             | -                           |
| 2            | BY            | -                           |

|                |                                      |
|----------------|--------------------------------------|
| Connector No.  | E64                                  |
| Connector Name | OPTION CONNECTOR (FRONT FOG LAMP LH) |
| Connector Type | FCL 240PC023S4019                    |



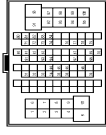
| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | V             | -                           |
| 2            | BW            | -                           |

|                |                                      |
|----------------|--------------------------------------|
| Connector No.  | E65                                  |
| Connector Name | OPTION CONNECTOR (FRONT FOG LAMP RH) |
| Connector Type | FCL 240PC023S4019                    |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | W             | -                           |
| 2            | BY            | -                           |

|                |                 |
|----------------|-----------------|
| Connector No.  | E105            |
| Connector Name | WIRE TO WIRE    |
| Connector Type | TR60MW-CS16-TM4 |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | V             | -                           |
| 2            | W             | -                           |
| 3            | SB            | -                           |
| 4            | G             | -                           |
| 5            | P             | -                           |
| 6            | L             | - [With NAV]                |
| 7            | Y             | - [Without NAV]             |
| 8            | O             | -                           |
| 9            | W             | -                           |
| 10           | SB            | -                           |
| 31           | V             | -                           |
| 32           | R             | -                           |
| 33           | GR            | -                           |
| 34           | P             | -                           |
| 35           | Y             | -                           |
| 36           | BR            | -                           |
| 39           | SB            | -                           |

# POWER SUPPLY ROUTING CIRCUIT

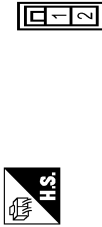
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

**BATTERY POWER SUPPLY**

|     |        |              |   |
|-----|--------|--------------|---|
| 44  | R      | -            | - |
| 45  | V      | -            | - |
| 46  | P      | -            | - |
| 48  | L      | -            | - |
| 51  | B      | - [With M/T] | - |
| 51  | BR     | - [With CVT] | - |
| 53  | SB     | -            | - |
| 54  | O      | - [With M/T] | - |
| 54  | W      | - [With CVT] | - |
| 57  | LG     | -            | - |
| 59  | L      | -            | - |
| 60  | O      | -            | - |
| 61  | G      | -            | - |
| 62  | W      | -            | - |
| 63  | L      | -            | - |
| 67  | GR     | - [With M/T] | - |
| 67  | V      | - [With CVT] | - |
| 69  | P      | -            | - |
| 70  | SHIELD | -            | - |
| 71  | GR     | -            | - |
| 72  | LG     | -            | - |
| 73  | P      | -            | - |
| 74  | V      | -            | - |
| 76  | Y      | -            | - |
| 77  | LG     | -            | - |
| 78  | O      | -            | - |
| 79  | G      | -            | - |
| 80  | P      | -            | - |
| 81  | L      | -            | - |
| 82  | W      | -            | - |
| 83  | BR     | -            | - |
| 84  | B      | -            | - |
| 91  | W      | -            | - |
| 92  | Y      | -            | - |
| 93  | Y      | -            | - |
| 94  | R      | -            | - |
| 95  | V      | -            | - |
| 96  | LG     | -            | - |
| 97  | R      | -            | - |
| 98  | SB     | -            | - |
| 99  | G      | -            | - |
| 100 | P      | -            | - |

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



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

|                |                  |
|----------------|------------------|
| Connector No.  | E114             |
| Connector Name | STOP LAMP SWITCH |
| Connector Type | M02FB-LC         |



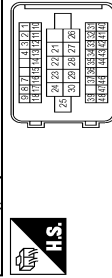
| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | V             | -                           |
| 2            | W             | -                           |

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



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | V             | -                           |
| 2            | W             | -                           |
| 3            | O             | -                           |
| 4            | G             | -                           |

|                |                   |
|----------------|-------------------|
| Connector No.  | F1                |
| Connector Name | WIRE TO WIRE      |
| Connector Type | SA038FB-RS10-SJ22 |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | SB            | -                           |
| 2            | LG            | -                           |
| 3            | R             | -                           |
| 4            | Y             | -                           |
| 7            | V             | -                           |
| 8            | G             | -                           |
| 9            | SB            | -                           |
| 10           | L             | -                           |
| 11           | Y             | -                           |
| 12           | GR            | -                           |
| 13           | BR            | -                           |
| 14           | G             | -                           |
| 15           | W             | -                           |
| 16           | Y             | -                           |
| 17           | P             | -                           |
| 18           | BR            | -                           |

|    |    |   |
|----|----|---|
| 21 | G  | - |
| 22 | L  | - |
| 23 | W  | - |
| 24 | R  | - |
| 25 | R  | - |
| 26 | B  | - |
| 27 | SB | - |
| 28 | V  | - |
| 29 | V  | - |
| 30 | BR | - |
| 31 | GR | - |
| 32 | BR | - |
| 33 | W  | - |
| 34 | LG | - |
| 35 | V  | - |
| 36 | Y  | - |
| 37 | W  | - |
| 38 | G  | - |
| 39 | G  | - |
| 40 | P  | - |
| 41 | O  | - |
| 42 | G  | - |
| 43 | R  | - |
| 44 | P  | - |
| 46 | GR | - |
| 47 | Y  | - |
| 48 | BR | - |

|                |                                    |
|----------------|------------------------------------|
| Connector No.  | F3                                 |
| Connector Name | BATTERY TERMINAL WITH FUSIBLE LINK |
| Connector Type | 24340-79906                        |



|                             |    |
|-----------------------------|----|
| Terminal No.                | 5  |
| Color Of Wire               | BR |
| Signal Name [Specification] | -  |

A  
B  
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H  
I  
J  
K  
L  
N  
O  
P

PG

JRMWE7850GB

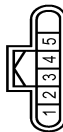
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BATTERY POWER SUPPLY

|                |                      |
|----------------|----------------------|
| Connector No.  | F4                   |
| Connector Name | MASS AIR FLOW SENSOR |
| Connector Type | RH46FB               |



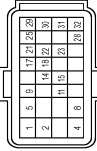
| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | P             | -                           |
| 2            | L             | -                           |
| 3            | G             | -              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

|                |                                    |
|----------------|------------------------------------|
| Connector No.  | F5                                 |
| Connector Name | BATTERY TERMINAL WITH FUSIBLE LINK |
| Connector Type | 24340-79906                        |



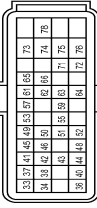
|              |   |               |     |                             |
|--------------|---|---------------|-----|-----------------------------|
| Terminal No. | 7 | Color Of Wire | B/R | Signal Name [Specification] |
|--------------|---|---------------|-----|-----------------------------|

|                |               |
|----------------|---------------|
| Connector No.  | F7            |
| Connector Name | ECM           |
| Connector Type | RH24FY-R28-RH |



| Terminal No. | Color Of Wire | Signal Name [Specification]                 |
|--------------|---------------|---|
| 1            | P             | THROTTLE CONTROL MOTOR (OPEN)               |
| 2            | SB            | THROTTLE CONTROL MOTOR RELAY (POWER SOURCE) |
| 4            | L             | THROTTLE CONTROL MOTOR (OPEN)               |
| 5            | G             | HEATED OXYGEN SENSOR 2 (HEATER)             |
| 6            | G             | A/F SENSOR 1 (HEATER)                       |
| 9            | P             | P/WP (POWER WINDOW) CONTROL SENSOR (VALVE)  |
| 11           | B             | ECM GROUND                                  |
| 14           | L             | PNP SIGNAL                                  |
| 15           | Y             | THROTTLE CONTROL MOTOR RELAY                |
| 17           | R             | IGNITION SIGNAL No. 1                       |
| 18           | LG            | IGNITION SIGNAL No. 2                       |
| 21           | G             | IGNITION SIGNAL No. 4                       |
| 22           | SB            | IGNITION SIGNAL No. 3                       |
| 23           | GR            | FUEL PUMP RELAY                             |
| 25           | V             | FUEL INJECTOR No. 4                         |
| 28           | W             | EVAP CANISTER VENT CONTROL VALVE            |
| 29           | Y             | FUEL INJECTOR No. 3                         |
| 30           | O             | FUEL INJECTOR No. 2                         |
| 31           | L             | FUEL INJECTOR No. 1                         |
| 32           | P             | ECM RELAY (SELF SHUT-OFF)                   |

|                |                |
|----------------|----------------|
| Connector No.  | F8             |
| Connector Name | ECM            |
| Connector Type | RH40FB-R28-LRH |



| Terminal No. | Color Of Wire | Signal Name [Specification]                |
|--------------|---------------|--|
| 33           | LG            | THROTTLE POSITION SENSOR 1                 |
| 34           | R             | THROTTLE POSITION SENSOR 2                 |
| 36           | Y             | SENSOR GROUND                              |
| 37           | W             | KNOCK SENSOR                               |
| 38           | BR            | ENGINE COOLANT TEMPERATURE SENSOR          |
| 40           | SHIELD        | SENSOR GROUND                              |
| 41           | GR            | REFRIGERANT PRESSURE SENSOR                |
| 42           | V             | F/WP CONTROL SYSTEM PRESSURE SENSOR        |
| 43           | P             | FUEL TANK TEMPERATURE SENSOR               |
| 44           | GR            | SENSOR GROUND                              |
| 45           | G             | MASS AIR FLOW SENSOR                       |
| 46           | L             | INTAKE AIR TEMPERATURE SENSOR              |
| 48           | BR            | SENSOR GROUND                              |
| 49           | V             | A/F SENSOR 1                               |
| 50           | W             | HEATED OXYGEN SENSOR 2                     |
| 51           | Y             | SENSOR GROUND                              |
| 52           | R             | SENSOR GROUND                              |
| 53           | LG            | SENSOR GROUND                              |
| 55           | P             | SENSOR GROUND                              |
| 57           | GR            | BATTERY CURRENT SENSOR                     |
| 59           | O             | SENSOR GROUND                              |
| 61           | W             | CRANKSHAFT POSITION SENSOR (POS)           |
| 62           | B             | SENSOR GROUND                              |
| 63           | L             | SENSOR GROUND                              |
| 64           | SB            | SENSOR GROUND                              |
| 65           | Y             | CRANKSHAFT POSITION SENSOR (PHASE)         |
| 66           | L             | POWER SUPPLY FOR ECM (BACK-UP)             |
| 71           | O             | SENSOR POWER SUPPLY                        |
| 72           | O             | SENSOR POWER SUPPLY                        |
| 73           | P             | SENSOR POWER SUPPLY                        |
| 74           | W             | INTAKE VALVE TIMING CONTROL SELECTED VALVE |
| 75           | R             | SENSOR POWER SUPPLY                        |
| 76           | R             | SENSOR POWER SUPPLY                        |
| 78           | LG            | SENSOR POWER SUPPLY                        |
| 78           | G             | SENSOR POWER SUPPLY                        |

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



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

|                |              |
|----------------|--------------|
| Connector No.  | F14          |
| Connector Name | ALTERNATOR   |
| Connector Type | 24340-65F-42 |



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

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





# POWER SUPPLY ROUTING CIRCUIT

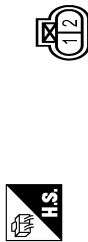
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BATTERY POWER SUPPLY

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

|                |  |
|----------------|--|
| Connector No.  | F32  |
| Connector Name | BUMP GANISTER/POSITIVE VOLUME CONTROL SOLENOID VALVE |
| Connector Type | E02FL-RS-LGY   |



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

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



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

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



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

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



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

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



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

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



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

|                |               |
|----------------|---------------|
| Connector No.  | F56           |
| Connector Name | STARTER MOTOR |
| Connector Type | Z4340_JG04B   |



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

|                |                  |
|----------------|------------------|
| Connector No.  | M1               |
| Connector Name | FUSE BLOCK (J/B) |
| Connector Type | Z4311_ED000      |



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

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



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A  
B  
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J  
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P

PG

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BATTERY POWER SUPPLY

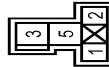
| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 4            | B             | -                           |
| 5            | B             | -                           |
| 6            | L             | -                           |
| 7            | GR/R          | -                           |
| 8            | O             | -                           |
| 14           | P             | -                           |
| 16           | LG/R          | -                           |

| Connector No.  | MIS            |
|----------------|----------------|
| Connector Name | VDC OFF SWITCH |
| Connector Type | TK08FGY        |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | SB            | -                           |
| 2            | B             | -                           |
| 3            | W             | -                           |
| 4            | B/R           | -                           |

| Connector No.  | M10            |
|----------------|----------------|
| Connector Name | IGNITION RELAY |
| Connector Type | MS02FL-M2-LC   |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | B             | -                           |
| 2            | W/R           | -                           |
| 3            | W/B           | -                           |
| 5            | L             | -                           |

| Connector No.  | M24        |
|----------------|------------|
| Connector Name | KEY SWITCH |
| Connector Type | TK08MGY    |



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

| Connector No.  | M26               |
|----------------|-------------------|
| Connector Name | NATS ANTENNA AMP. |
| Connector Type | TH04FH-NH         |



| Terminal No. | Color Of Wire | Signal Name [Specification]    |
|--------------|---------------|--------------------------------|
| 1            | Y             | BAT                            |
| 2            | P/L           | CLK                            |
| 3            | B             | GND [Without Intelligent Key]  |
| 3            | LG            | DATA [With Intelligent Key]    |
| 4            | B             | GND [With Intelligent Key]     |
| 4            | LG            | DATA [Without Intelligent Key] |

| Connector No.  | M29             |
|----------------|-----------------|
| Connector Name | IGNITION SWITCH |
| Connector Type | M08FW-LC        |



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

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



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 23           | W             | -                           |
| 28           | Y             | -                           |
| 29           | L/Y           | -                           |
| 30           | Y/R           | -                           |

| Connector No.  | M38              |
|----------------|------------------|
| Connector Name | EPS CONTROL UNIT |
| Connector Type | L02FB-LH         |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 17           | B             | BAT                         |
| 18           | B             | GROUND                      |

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



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | B             | -                           |
| 2            | L/W           | -                           |
| 3            | W             | -                           |
| 4            | B/R           | -                           |

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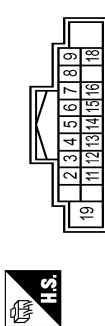
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

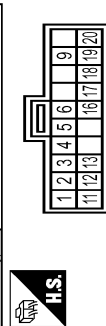
## BATTERY POWER SUPPLY

|                |            |
|----------------|------------|
| Connector No.  | M46        |
| Connector Name | AUDIO UNIT |
| Connector Type | TH8FV-CS2  |



| Terminal No. | Color Of Wire | Signal Name [Specification]             |
|--------------|---------------|---|
| 1            | W             | ACC                                     |
| 2            | P             | STRG SW A                               |
| 3            | V             | ILLUMINATION CONTROL SIGNAL (-)         |
| 4            | V             | ILLUMINATION CONTROL SIGNAL (+)         |
| 5            | R/B           | SOUND SIGNAL FRONT SPEAKER LH (+)       |
| 6            | W/G           | SOUND SIGNAL FRONT SPEAKER RH (+)       |
| 7            | L/Y           | SOUND SIGNAL REAR SPEAKER LH (+)        |
| 8            | B/R           | SOUND SIGNAL REAR SPEAKER RH (+)        |
| 9            | W             | STRG SW B                               |
| 10           | G             | VEHICLE SPEED (S-PULSE)                 |
| 11           | R             | BATTERY                                 |
| 12           | L             | ILLUMINATION POWER SUPPLY               |
| 13           | LG            | AC AUTO AMP CONNECTION CONDITION SIGNAL |
| 14           | GR            | INTAKE DOOR LOCK PWR POWER SUPPLY       |
| 15           | L/B           | BATTERY POWER SUPPLY                    |
| 16           | GR/R          |   |
| 18           | L             |   |
| 19           | L             |   |

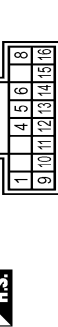
|                |             |
|----------------|-------------|
| Connector No.  | M50         |
| Connector Name | AC AUTO AMP |
| Connector Type | TR20FGY     |



| Terminal No. | Color Of Wire | Signal Name [Specification]             |
|--------------|---------------|---|
| 1            | W             | ILLUMINATION POWER SUPPLY               |
| 2            | R             | AC AUTO AMP CONNECTION CONDITION SIGNAL |
| 3            | R             | INTAKE DOOR LOCK PWR POWER SUPPLY       |
| 4            | LGR           | BATTERY POWER SUPPLY                    |

|    |     |                       |
|----|-----|-----------------------|
| 5  | O   | IGNITION POWER SUPPLY |
| 6  | R/W | SENSOR GROUND         |
| 9  | Y   | IGNITION POWER SUPPLY |
| 11 | BR  | ILLUMINATION GROUND   |
| 12 | L   | FRE DRIVE SIGNAL      |
| 13 | G   | REC DRIVE SIGNAL      |
| 16 | B   | GROUND                |
| 17 | BR  | AMIX DRIVE SIGNAL 4   |
| 18 | SB  | AMIX DRIVE SIGNAL 3   |
| 19 | GR  | AMIX DRIVE SIGNAL 2   |
| 20 | P   | AMIX DRIVE SIGNAL 1   |

|                |             |
|----------------|-------------|
| Connector No.  | M53         |
| Connector Name | A/C CONTROL |
| Connector Type | TH8FV-NH    |



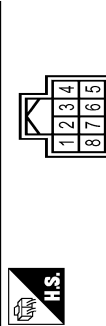
| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | W             |                             |
| 4            | R             |                             |
| 5            | W/L           |                             |
| 6            | G/Y           |                             |
| 8            | G             |                             |
| 9            | B/R           |                             |
| 10           | B/W           |                             |
| 11           | V             |                             |
| 12           | Y/R           |                             |
| 13           | SB            |                             |
| 14           | Y             |                             |
| 15           | B             |                             |
| 16           | L             |                             |

|                |                    |
|----------------|--------------------|
| Connector No.  | M57                |
| Connector Name | CVT SHIFT SELECTOR |
| Connector Type | TH8FV-NH           |



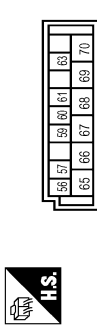
| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | P             |                             |
| 2            | B             |                             |
| 3            | W             |                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

|                |                    |
|----------------|--------------------|
| Connector No.  | M58                |
| Connector Name | CVT SHIFT SELECTOR |
| Connector Type | TH8FV-NH           |



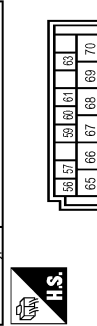
| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | P             |                             |
| 2            | B             |                             |
| 3            | W             |                             |
| 4            | B/R           |                             |
| 5            | LG            |                             |
| 6            | B             |                             |
| 7            | Y/R           |                             |
| 8            | GY            |                             |

|                |                           |
|----------------|---------------------------|
| Connector No.  | M67                       |
| Connector Name | BCM (BODY CONTROL MODULE) |
| Connector Type | FEA09FB-FHAG-SA           |



| Terminal No. | Color Of Wire | Signal Name [Specification]            |
|--------------|---------------|--|
| 56           | L             | INTERIOR ROOM AMP POWER SUPPLY         |
| 57           | Y             | BAT (FUSE)                             |
| 59           | L/B           | DRIVER DOOR UNLOCK OUTPUT              |
| 60           | W/B           | TURN SIGNAL LH OUTPUT                  |
| 61           | W/L           | TURN SIGNAL RH OUTPUT                  |
| 63           | BR            | ROOM LAMP TIMER CONTROL                |
| 65           | V             | ALL DOOR LOCK OUTPUT                   |
| 66           | G             | PASSENGER DOOR REAR DOOR UNLOCK OUTPUT |
| 67           | B             | GROUND                                 |
| 68           | L             | POWER WINDOW POWER SUPPLY (IGN)        |
| 69           | P             | POWER WINDOW POWER SUPPLY (BAT)        |
| 70           | Y             | BAT (F/L)                              |

|                |                           |
|----------------|---------------------------|
| Connector No.  | M70                       |
| Connector Name | BCM (BODY CONTROL MODULE) |
| Connector Type | FEA09FV-FHAG-SA           |



| Terminal No. | Color Of Wire | Signal Name [Specification]    |
|--------------|---------------|--------------------------------|
| 56           | L             | INTERIOR ROOM AMP POWER SUPPLY |
| 57           | Y             | BAT (FUSE)                     |
| 59           | G             | PASSENGER DOOR UNLOCK OUTPUT   |
| 60           | W/B           | TURN SIGNAL LH OUTPUT          |
| 61           | W/L           | TURN SIGNAL RH OUTPUT          |
| 63           | BR            | ROOM LAMP TIMER CONTROL        |
| 65           | V             | ALL DOOR LOCK OUTPUT           |
| 66           | L/B           | DRIVER DOOR UNLOCK OUTPUT      |

A  
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# POWER SUPPLY ROUTING CIRCUIT

[POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

## BATTERY POWER SUPPLY

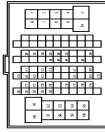
|    |   |                                 |
|----|---|---------------------------------|
| 67 | B | GROUND                          |
| 68 | L | POWER WINDOW POWER SUPPLY (IGN) |
| 69 | P | POWER WINDOW POWER SUPPLY (BAT) |
| 70 | Y | BAT (FL)                        |

|                |                           |
|----------------|---------------------------|
| Connector No.  | M71                       |
| Connector Name | BCM (BODY CONTROL MODULE) |
| Connector Type | TH40FW-NH                 |



| Terminal No. | Color Of Wire | Signal Name [Specification]       |
|--------------|---------------|-----------------------------------|
| 72           | SB            | A/C INDICATOR OUTPUT              |
| 75           | SB            | DRIVER DOOR REQUEST SW            |
| 76           | L/O           | PUSH SW                           |
| 78           | LG            | DRIVER DOOR ANT+                  |
| 79           | V             | DRIVER DOOR ANT-                  |
| 80           | BR/Y          | PASSENGER DOOR ANT+               |
| 81           | L/Y           | PASSENGER DOOR ANT-               |
| 82           | WB            | BACK DOOR ANT+                    |
| 83           | BR            | BACK DOOR ANT-                    |
| 84           | Y/G           | ROOM ANT+                         |
| 85           | Y/L           | ROOM ANT-                         |
| 86           | P             | LUGGAGE ROOM ANT+                 |
| 87           | L             | LUGGAGE ROOM ANT-                 |
| 90           | W/L           | PUSH-BUTTON IGNITION SW ILL POWER |
| 91           | Y             | ACCION IND                        |
| 92           | BR/R          | PUSH-BUTTON IGNITION SW ILL GND   |
| 93           | GR/W          | I-KEY WARN BUZZER                 |
| 96           | BR/W          | ACC RELAY COAT                    |
| 97           | L/R           | STARTER RELAY COAT                |
| 98           | BR            | IGN RELAY (IPDM E/R) COAT         |
| 99           | W/R           | IGN RELAY COAT                    |
| 100          | G             | PASSENGER DOOR REQUEST SW         |
| 102          | G             | SHIFT NIP                         |
| 103          | GY            | FR DEFROSTER SW                   |
| 104          | Y/R           | C/VT SHIFT SELECTOR POWER SUPPLY  |
| 105          | B/O           | STOP LAMP SW 2                    |
| 106          | Y/B           | BLOWER FAN MOTOR RELAY COAT       |

|                |                 |
|----------------|-----------------|
| Connector No.  | M77             |
| Connector Name | WIRE TO WIRE    |
| Connector Type | TH80FW-CS16-TM4 |



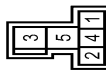
| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | B/O           | -                           |
| 2            | R             | -                           |
| 3            | G/R           | -                           |
| 4            | G/B           | -                           |
| 5            | L             | -                           |
| 6            | L             | -                           |
| 7            | W/R           | -                           |
| 8            | GW            | -                           |
| 9            | Y/L           | -                           |
| 10           | W             | -                           |
| 31           | GR/L          | -                           |
| 32           | L/B           | -                           |
| 33           | R/Y           | -                           |
| 34           | SB            | -                           |
| 35           | BR            | -                           |
| 36           | G             | -                           |
| 39           | L/R           | -                           |
| 44           | G/O           | -                           |
| 45           | LG/R          | -                           |
| 46           | GR/W          | -                           |
| 48           | L/O           | -                           |
| 51           | BR/W          | -                           |
| 53           | R/L           | -                           |
| 54           | O             | -                           |
| 57           | GR            | -                           |
| 59           | V             | -                           |
| 60           | RW            | -                           |
| 61           | PL/W          | -                           |
| 62           | W/L           | -                           |
| 63           | W/B           | -                           |
| 67           | Y/R           | -                           |
| 69           | LG            | -                           |
| 70           | SHIELD        | -                           |
| 71           | PI/B          | -                           |
| 72           | RG            | -                           |
| 73           | R             | -                           |

|                |                               |
|----------------|-------------------------------|
| Connector No.  | M87                           |
| Connector Name | REMOTE KEYLESS ENTRY RECEIVER |
| Connector Type | TH04FW-NH                     |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | P             | -                           |
| 2            | GY            | SIGNAL                      |
| 4            | V             | GROUND                      |

|                |                               |
|----------------|-------------------------------|
| Connector No.  | M90                           |
| Connector Name | BACK DOOR LOCK ACTUATOR RELAY |
| Connector Type | MSS3FB-M2-LC                  |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | R/W           | -                           |
| 2            | LG/R          | -                           |
| 3            | BR            | -                           |
| 4            | B             | -                           |
| 5            | LG/R          | -                           |

|     |      |   |
|-----|------|---|
| 74  | L/Y  | - |
| 76  | W/G  | - |
| 77  | GR/R | - |
| 78  | O    | - |
| 79  | LG   | - |
| 80  | P    | - |
| 81  | L    | - |
| 82  | GR   | - |
| 83  | G/R  | - |
| 84  | B    | - |
| 91  | R    | - |
| 92  | O    | - |
| 93  | Y    | - |
| 94  | R/B  | - |
| 95  | L/W  | - |
| 96  | Y    | - |
| 97  | L    | - |
| 98  | BR/W | - |
| 99  | W    | - |
| 100 | GR   | - |

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



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

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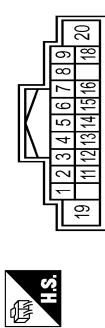
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

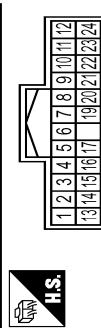
## BATTERY POWER SUPPLY

|                |                   |
|----------------|-------------------|
| Connector No.  | M97               |
| Connector Name | NAVI CONTROL UNIT |
| Connector Type | TH8FV-CS2         |



| Terminal No. | Color Of Wire | Signal Name [Specification]       |
|--------------|---------------|-----------------------------------|
| 1            | Y/B           | WOOFER AMP_ON SIGNAL              |
| 2            | W             | SOUND SIGNAL FRONT SPEAKER LH (+) |
| 3            | P             | SOUND SIGNAL FRONT SPEAKER LH (-) |
| 4            | V             | SOUND SIGNAL REAR SPEAKER LH (+)  |
| 5            | R/B           | SOUND SIGNAL REAR SPEAKER LH (-)  |
| 6            | W/L           | STRG SW A                         |
| 7            | L/Y           | ACC                               |
| 8            | B/R           | ILLUMINATION CONTROL SIGNAL (-)   |
| 9            | W             | ILLUMINATION CONTROL SIGNAL (+)   |
| 10           | G             | SOUND SIGNAL FRONT SPEAKER RH (+) |
| 11           | G             | SOUND SIGNAL FRONT SPEAKER RH (-) |
| 12           | R             | SOUND SIGNAL FRONT SPEAKER RH (+) |
| 13           | LG            | SOUND SIGNAL REAR SPEAKER RH (+)  |
| 14           | GR            | SOUND SIGNAL REAR SPEAKER RH (-)  |
| 15           | L/G           | STRG SW GND                       |
| 16           | GR            | STRG SW B                         |
| 18           | V/R           | VEHICLE SPEED SIGNAL (8-PULSE)    |
| 19           | L             | BATTERY                           |
| 20           | B             | GROUND                            |

|                |              |
|----------------|--------------|
| Connector No.  | M99          |
| Connector Name | IPod ADAPTER |
| Connector Type | TH24FV-NH    |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | R             | IPod SOUND SIGNAL LH (+)    |
| 2            | B             | IPod SOUND SIGNAL RH (+)    |
| 3            | L/Y           | ACC                         |
| 4            | LG            | AV COM1 (L)                 |
| 5            | L             | BATTERY                     |
| 6            | GR            | USB D+ SIGNAL               |
| 7            | LG            | USB D- SIGNAL               |
| 8            | LG            | IPod BATTERY CHARGE 12V     |
| 9            | P             | COMM (IPod ADAPTER-Pod)     |
| 10           | L             | COMM (IPod ADAPTER)         |
| 11           | O             | ACCESSORY IDENTITY          |
| 12           | GR            | IPod SOUND SIGNAL RH (+)    |
| 13           | W             | IPod SOUND SIGNAL LH (-)    |
| 14           | G             | IPod SOUND SIGNAL RH (-)    |
| 15           | SHIELD        | SHIELD                      |
| 16           | BS            | AV COM1 (H)                 |
| 17           | B             | GROUND                      |
| 19           | SHIELD        | SHIELD                      |
| 20           | BR            | IPod BATTERY CHARGE 5V      |
| 21           | W/B           | IPod CONNECTION RECOGNITION |
| 22           | GO            | ACCESSORY DETECT            |
| 23           | G/Y           | IPod SOUND SIGNAL GND       |
| 24           | GO            | IPod SOUND SIGNAL LH (+)    |

|                |                             |
|----------------|-----------------------------|
| Connector No.  | M101                        |
| Connector Name | PUSH-BUTTON IGNITION SWITCH |
| Connector Type | TK08FBR                     |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 3            | P             | -                           |
| 4            | B             | -                           |
| 5            | W/L           | -                           |
| 6            | BR/R          | -                           |
| 7            | Y/G           | -                           |
| 8            | L/O           | -                           |

|                |                       |
|----------------|-----------------------|
| Connector No.  | T2                    |
| Connector Name | LICENSE PLATE LAMP LH |
| Connector Type | FK02FBR               |



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

|                |                       |
|----------------|-----------------------|
| Connector No.  | T3                    |
| Connector Name | LICENSE PLATE LAMP RH |
| Connector Type | FK02FBR               |



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

|                |                     |
|----------------|---------------------|
| Connector No.  | T4                  |
| Connector Name | SIDE MARKER LAMP LH |
| Connector Type | HS02FG-W            |



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

|                |                     |
|----------------|---------------------|
| Connector No.  | T5                  |
| Connector Name | SIDE MARKER LAMP RH |
| Connector Type | HS02FG-W            |



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

A  
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J  
K  
L  
N  
O  
P

PG

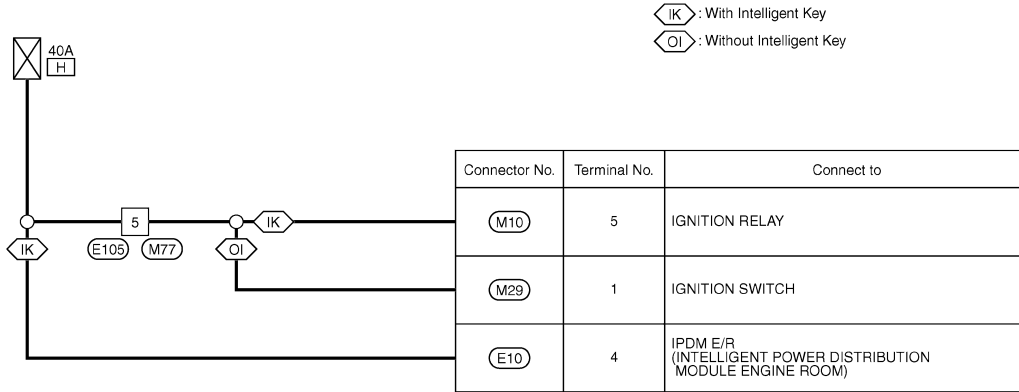
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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

INFOID:000000009945566



2009/02/27

JCMWM4114GB



# POWER SUPPLY ROUTING CIRCUIT

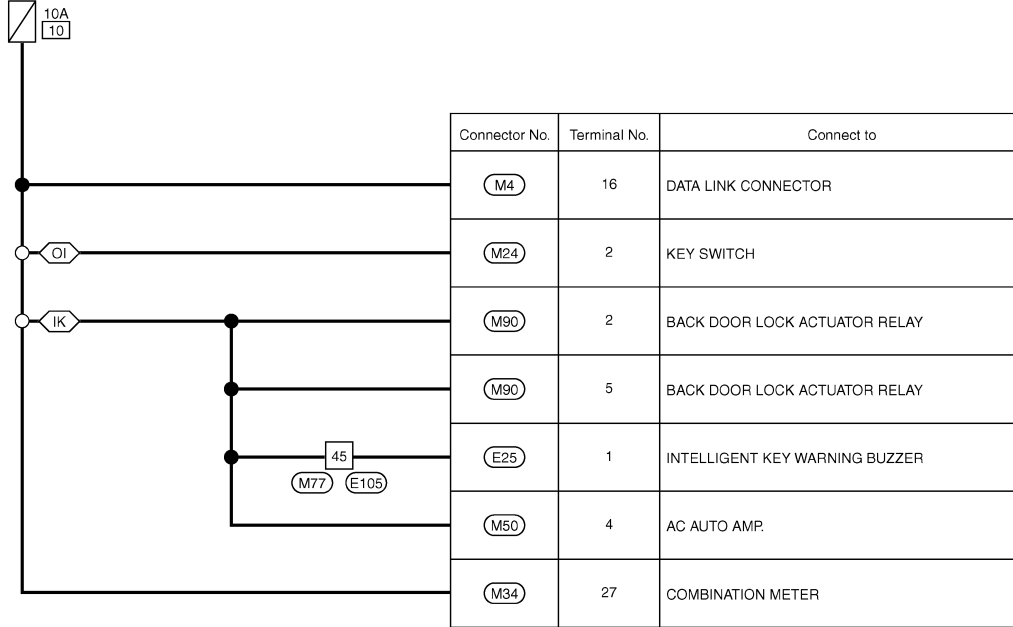
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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

INFOID:000000009945567

 : With Intelligent Key  
 : Without Intelligent Key



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

PG

2012/07/30

JRMWD3946GB

# POWER SUPPLY ROUTING CIRCUIT

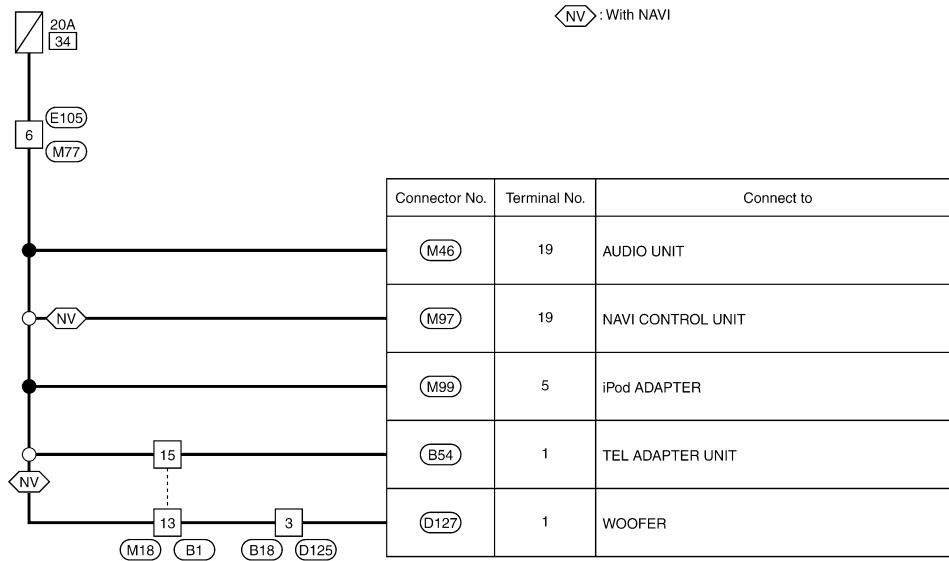
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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

INFOID:000000009945568

### BATTERY POWER SUPPLY FUSE No. 34



2013/09/19

JRMWE7733GB



# POWER SUPPLY ROUTING CIRCUIT

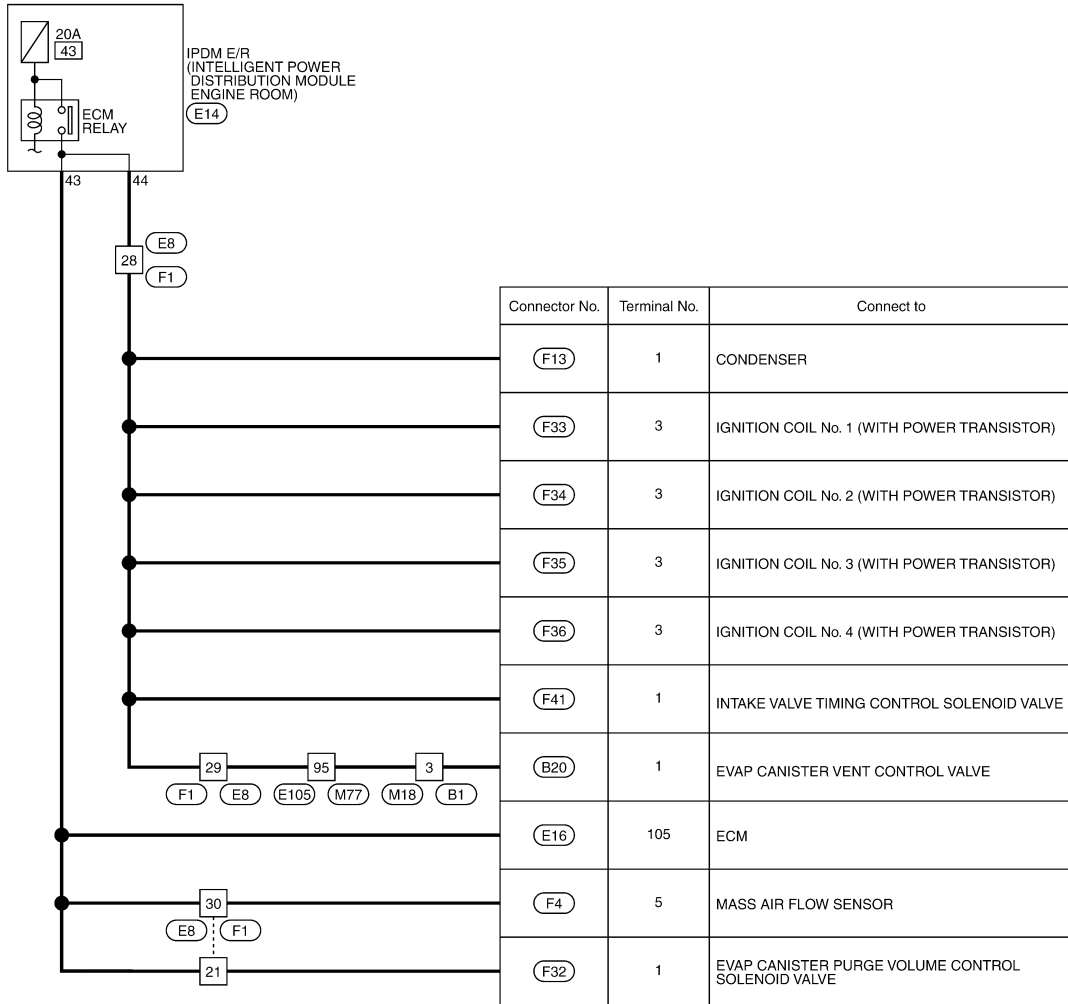
## [POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

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

INFOID:000000009945569

#### BATTERY POWER SUPPLY FUSE No. 43



2013/09/19

JRMWE7734GB

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

PG

# POWER SUPPLY ROUTING CIRCUIT

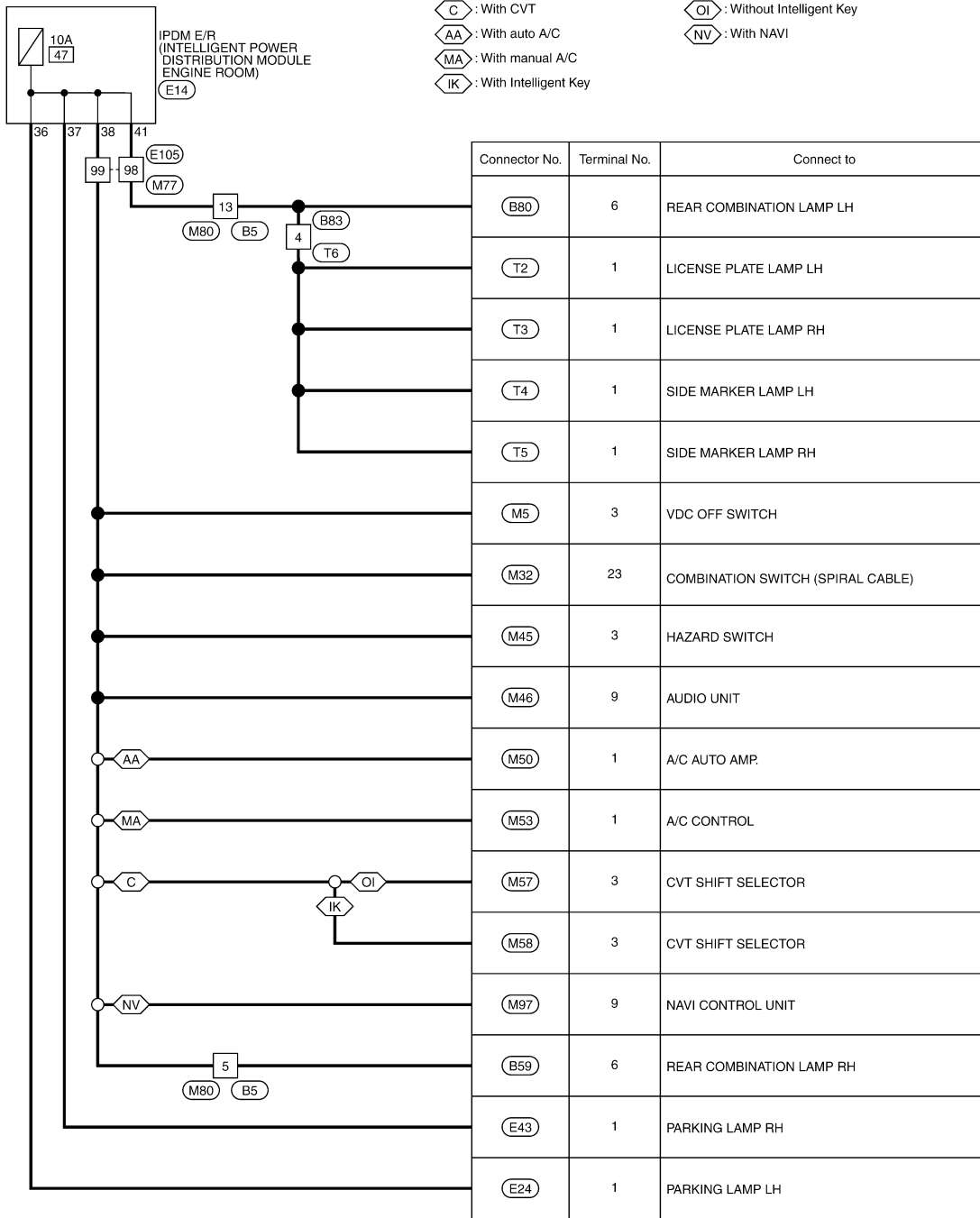
## [POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

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

INFOID:00000009945570

#### BATTERY POWER SUPPLY FUSE No. 47



2013/09/19

JRMWE7735GB

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

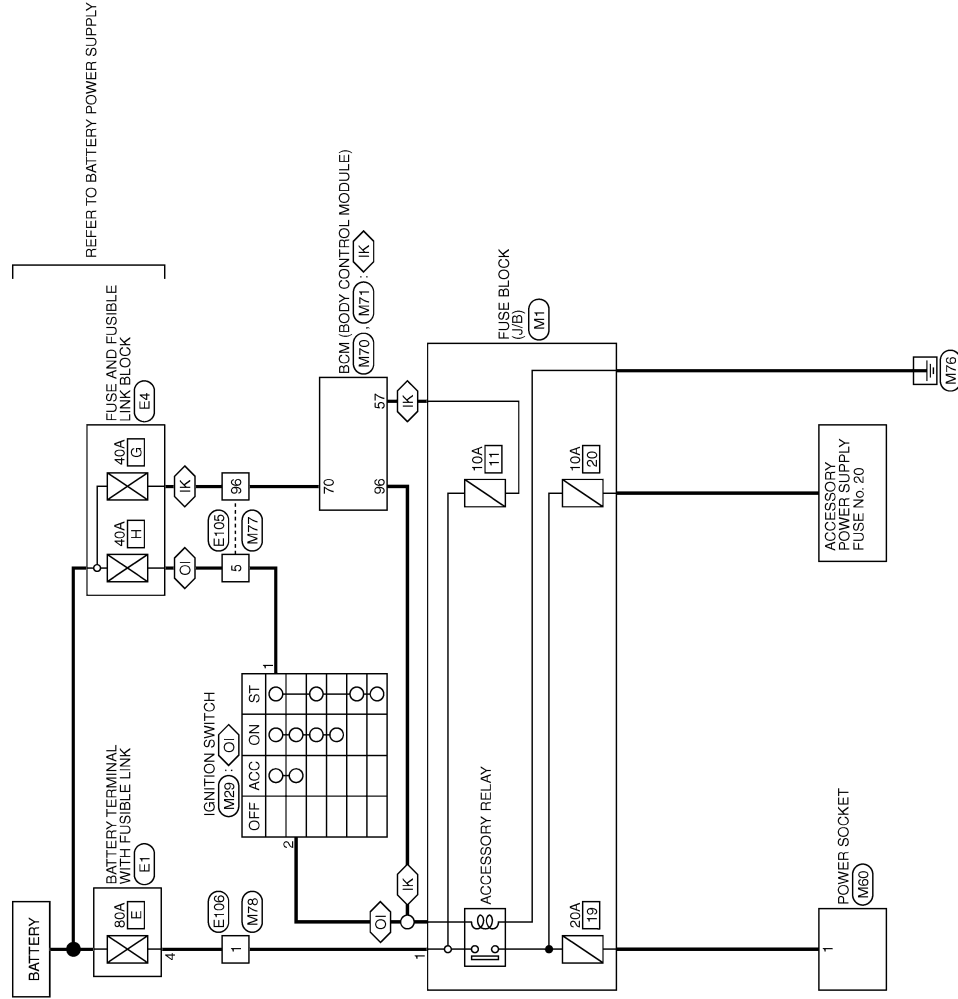
[POWER SUPPLY & GROUND CIRCUIT]

## Wiring Diagram - ACCESSORY POWER SUPPLY -

INFOID:000000009945571

### ACCESSORY POWER SUPPLY

IK : With Intelligent Key  
OI : Without Intelligent Key



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

PG

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## ACCESSORY POWER SUPPLY

|                |                  |
|----------------|------------------|
| Connector No.  | B54              |
| Connector Name | TEL ADAPTER UNIT |
| Connector Type | TH32FW-NH        |



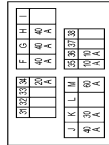
| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | R             | BATTERY                     |
| 2            | L             | ACC                         |
| 3            | LG            | IGNITION                    |
| 4            | B             | GROUND                      |
| 7            | L             | MICROPHONE SIGNAL           |
| 8            | SHIELD        | MICROPHONE SIGNAL GND       |
| 9            | PK            | SOUND SIGNAL (*)            |
| 10           | Y             | SOUND SIGNAL (-)            |
| 11           | SB            | TEL ON SIGNAL               |
| 12           | W             | STRG SW A                   |
| 13           | SB            | STRG SW B                   |
| 14           | GR            | STRG SW GND                 |
| 17           | GR            | STRG SW A                   |
| 18           | P             | STRG SW B                   |
| 19           | L             | STRG SW GND                 |
| 20           | B             | CONTROL SIGNAL              |
| 21           | B             | CONTROL SIGNAL              |
| 22           | B             | CONTROL SIGNAL              |
| 23           | B             | CONTROL SIGNAL              |
| 24           | B             | CONTROL SIGNAL              |
| 27           | B             | CONTROL SIGNAL              |
| 28           | O             | VEHICLE SPEED (2-PULSE)     |
| 29           | R             | MICROPHONE VCC              |



|                |                                    |
|----------------|------------------------------------|
| Connector No.  | E1                                 |
| Connector Name | BATTERY TERMINAL WITH FUSIBLE LINK |
| Connector Type | L02FCY-MC                          |

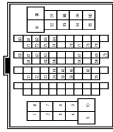
| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 3            | G             | -                           |
| 4            | W             | -                           |

|                |                             |
|----------------|-----------------------------|
| Connector No.  | E4                          |
| Connector Name | FUSE AND FUSIBLE LINK BLOCK |
| Connector Type | Z4381_C3900                 |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 34           | R             | -                           |
| 35           | G             | -                           |
| 36           | SB            | -                           |
| F            | Y             | -                           |
| G            | LG            | -                           |
| H            | P             | -                           |
| J            | V             | -                           |
| K            | L             | -                           |
| M            | R             | -                           |

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



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | V             | -                           |
| 2            | W             | -                           |
| 3            | SB            | -                           |
| 4            | G             | -                           |
| 6            | P             | -                           |
| 8            | L             | - [With NAVI]               |
| 9            | R             | - [Without NAVI]            |
| 10           | SB            | -                           |
| 8            | O             | -                           |
| 9            | W             | -                           |
| 10           | SB            | -                           |
| 31           | V             | -                           |
| 32           | R             | -                           |
| 33           | GR            | -                           |
| 34           | P             | -                           |
| 35           | Y             | -                           |
| 36           | BR            | -                           |
| 39           | SB            | -                           |
| 44           | R             | -                           |
| 45           | V             | -                           |
| 46           | P             | -                           |
| 48           | L             | -                           |
| 51           | B             | - [With M/T]                |
| 51           | BR            | - [With CVT]                |
| 53           | SB            | -                           |
| 54           | O             | - [With M/T]                |
| 54           | W             | - [With CVT]                |
| 57           | LG            | -                           |
| 59           | L             | -                           |
| 60           | O             | -                           |
| 61           | G             | -                           |
| 62           | W             | -                           |
| 63           | L             | -                           |
| 67           | GR            | - [With CVT]                |
| 67           | V             | - [Without M/T]             |

|     |        |   |
|-----|--------|---|
| 69  | P      | - |
| 70  | SHIELD | - |
| 71  | GR     | - |
| 72  | LG     | - |
| 73  | P      | - |
| 74  | V      | - |
| 76  | Y      | - |
| 77  | LG     | - |
| 78  | O      | - |
| 79  | G      | - |
| 80  | P      | - |
| 81  | L      | - |
| 82  | W      | - |
| 83  | BR     | - |
| 84  | B      | - |
| 91  | W      | - |
| 92  | Y      | - |
| 95  | Y      | - |
| 92  | Y      | - |
| 94  | R      | - |
| 95  | V      | - |
| 96  | LG     | - |
| 97  | R      | - |
| 98  | SB     | - |
| 99  | G      | - |
| 100 | P      | - |

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



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

JRMWE7857GB

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

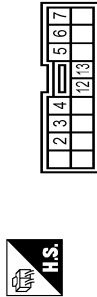
## ACCESSORY POWER SUPPLY

|                |                  |
|----------------|------------------|
| Connector No.  | M1               |
| Connector Name | FUSE BLOCK (L/B) |
| Connector Type | 24311_ED000      |



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

|                |                                   |
|----------------|-----------------------------------|
| Connector No.  | M7                                |
| Connector Name | DOOR MIRROR REMOTE CONTROL SWITCH |
| Connector Type | TK6BW                             |



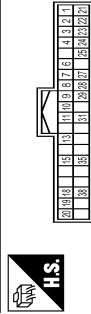
| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 2            | V             | -                           |
| 3            | R             | -                           |
| 4            | G/B           | -                           |
| 5            | BR            | -                           |
| 6            | GR            | -                           |
| 7            | LG            | -                           |
| 12           | B             | -                           |
| 13           | LY            | -                           |

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



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

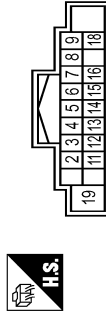
|                |                   |
|----------------|-------------------|
| Connector No.  | M34               |
| Connector Name | COMBINATION METER |
| Connector Type | TH40FW-NH         |



| Terminal No. | Color Of Wire | Signal Name [Specification]                   |
|--------------|---------------|---|
| 1            | L             | CANH  |
| 2            | P             | VEHICLE SPEED SIGNAL (2-PULSE)                |
| 3            | V             | VEHICLE SPEED SIGNAL (2-PULSE)                |
| 4            | L             | VEHICLE SPEED SIGNAL (8-PULSE) (Without NAVI) |
| 4            | V/R           | VEHICLE SPEED SIGNAL (8-PULSE) (With NAVI)    |
| 6            | BR/Y          | FUEL LEVEL SENSOR SIGNAL                      |
| 7            | R/G           | AIR BAG SIGNAL                                |
| 8            | P             | OVERDRIVE CONTROL SWITCH SIGNAL               |
| 9            | O             | SEAT BELT Buckle Switch Signal (GREEN/SEAT)   |
| 10           | SB            | PARKING BRAKE SWITCH SIGNAL                   |
| 11           | G/R           | BRAKE FLUID LEVEL SWITCH SIGNAL               |
| 13           | BR            | ILLUMINATION CONTROL SIGNAL                   |
| 15           | LY            | ACC POWER SUPPLY                              |
| 18           | RY            | SECURITY SIGNAL                               |
| 19           | P/W           | AMBIENT SENSOR SIGNAL                         |

|    |      |   |
|----|------|---|
| 20 | R/W  | AMBIENT SENSOR GROUND                     |
| 21 | B    | GROUND                                    |
| 22 | B    | GROUND                                    |
| 23 | B    | GROUND                                    |
| 24 | PU   | FUEL LEVEL SENSOR GROUND                  |
| 25 | B    | VDC GROUND                                |
| 27 | LG/R | BATTERY POWER SUPPLY                      |
| 28 | GR   | IGNITION SIGNAL                           |
| 29 | BR   | PASSENGER SEAT BELT WARNING SIGNAL        |
| 31 | R    | AC AUTO AMP CONNECTION RECOGNITION SIGNAL |
| 35 | BR   | ENGINE COOLANT TEMPERATURE SIGNAL         |
| 38 | GR   | ALTERNATOR SIGNAL                         |

|                |            |
|----------------|------------|
| Connector No.  | M46        |
| Connector Name | AUDIO UNIT |
| Connector Type | TH8FW-CS2  |



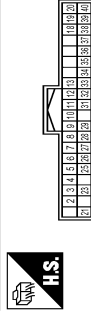
| Terminal No. | Color Of Wire | Signal Name [Specification]       |
|--------------|---------------|-----------------------------------|
| 2            | W             | SOUND SIGNAL FRONT SPEAKER LH (+) |
| 3            | P             | SOUND SIGNAL FRONT SPEAKER LH (-) |
| 4            | V      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

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



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

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



| Terminal No. | Color Of Wire | Signal Name [Specification]         |
|--------------|---------------|-------------------------------------|
| 2            | BR/W          | COMBI SW INPUT 5                    |
| 3            | GR            | COMBI SW INPUT 4                    |
| 4            | LY            | COMBI SW INPUT 3                    |
| 5            | G             | COMBI SW INPUT 2                    |
| 6            | L/R           | COMBI SW INPUT 1                    |
| 7            | W/R           | KEY CYL UNLOCK SW                   |
| 8            | W/B           | KEY CYL LOCK SW                     |
| 9            | R             | STOP LAMP SW                        |
| 10           | W/L           | REAR WINDOW DEFROGGER SW            |
| 11           | LY            | ACC POWER SUPPLY                    |
| 12           | SB            | PASSENGER DOOR SW                   |
| 13           | GR/L          | REAR RH DOOR SW                     |
| 18           | V             | RECEIVER / SENSOR GND               |
| 19           | BR            | KEYLESS ENTRY RECEIVER POWER SUPPLY |
| 20           | G/Y           | KEYLESS ENTRY RECEIVER COMM         |
| 21           | P/L           | NAVS ANTENNA AMP                    |
| 23           | RY            | SECURITY INDICATOR LAMP             |
| 25           | LG            | NAVS ANTENNA AMP                    |

JRMWE7858GB

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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## ACCESSORY POWER SUPPLY

|    |     |                       |
|----|-----|-----------------------|
| 26 | GR  | THERMO CONTROL AMP    |
| 27 | Y/G | A/C SW                |
| 28 | G/W | BLOWER FAN SW         |
| 29 | L/W | HAZARD SW             |
| 31 | GY  | FR DEFROSTER SW       |
| 32 | LG  | COMBI SW OUTPUT 5     |
| 33 | Y/L | COMBI SW OUTPUT 4     |
| 34 | W   | COMBI SW OUTPUT 3     |
| 35 | R/L | COMBI SW OUTPUT 2     |
| 36 | L/O | COMBI SW OUTPUT 1     |
| 37 | R/W | KEY SWITCH            |
| 38 | O   | IGNITION POWER SUPPLY |
| 39 | L   | CANH                  |
| 40 | P   | CANH                  |

|                |                           |
|----------------|---------------------------|
| Connector No.  | M70                       |
| Connector Name | BCM (BODY CONTROL MODULE) |
| Connector Type | FEA09FW-FH4E-SA           |



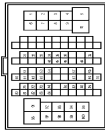
| Terminal No. | Color Of Wire | Signal Name [Specification]     |
|--------------|---------------|---------------------------------|
| 56           | L             | INTERIOR ROOM LAMP POWER SUPPLY |
| 57           | Y             | BAT (FUSE)                      |
| 59           | G             | PASSENGER DOOR UNLOCK OUTPUT    |
| 60           | W/B           | TURN SIGNAL LH OUTPUT           |
| 61           | W/L           | TURN SIGNAL RH OUTPUT           |
| 63           | BR            | ROOM LAMP TIMER CONTROL         |
| 65           | V             | ALL DOOR LOCK OUTPUT            |
| 66           | L/B           | DRIVER DOOR UNLOCK OUTPUT       |
| 67           | B             | GROUND                          |
| 68           | L             | POWER WINDOW POWER SUPPLY (IGN) |
| 69           | P             | POWER WINDOW POWER SUPPLY (BAT) |
| 70           | Y             | BAT (FEL)                       |

|                |                           |
|----------------|---------------------------|
| Connector No.  | M71                       |
| Connector Name | BCM (BODY CONTROL MODULE) |
| Connector Type | TH40FW-NH                 |



| Terminal No. | Color Of Wire | Signal Name [Specification]       |
|--------------|---------------|-----------------------------------|
| 72           | SB            | A/C INDICATOR OUTPUT              |
| 75           | SB            | DRIVER DOOR REQUEST SW            |
| 76           | L/O           | PUSH SW                           |
| 78           | LG            | DRIVER DOOR ANT+                  |
| 79           | V             | DRIVER DOOR ANT-                  |
| 80           | BR/Y          | PASSENGER DOOR ANT+               |
| 81           | L/Y           | PASSENGER DOOR ANT-               |
| 82           | W/B           | BACK DOOR ANT+                    |
| 83           | B/W           | BACK DOOR ANT-                    |
| 84           | Y/G           | ROOM ANT+                         |
| 85           | Y/L           | ROOM ANT-                         |
| 86           | P             | LUGGAGE ROOM ANT+                 |
| 87           | L             | LUGGAGE ROOM ANT-                 |
| 90           | W/L           | PUSH-BUTTON IGNITION SW ILL POWER |
| 91           | Y             | ACC/ON IND.                       |
| 92           | BR            | PUSH-BUTTON IGNITION SW ILL GND   |
| 93           | GR/W          | L-KEY WARN BUZZER                 |
| 96           | BR/W          | ACC RELAY CONT                    |
| 97           | L/R           | STARTER RELAY CONT                |
| 98           | BR            | IGN RELAY (IPDM E/R) CONT         |
| 99           | W/R           | IGN RELAY CONT                    |
| 100          | G             | PASSENGER DOOR REQUEST SW         |
| 102          | G             | SHIFT I/P                         |
| 103          | G/Y           | FR DEFROSTER SW                   |
| 104          | Y/R           | CVT SHIFT SELECTOR POWER SUPPLY   |
| 105          | B/O           | STOP LAMP SW 2                    |
| 106          | Y/B           | BLOWER FAN MOTOR RELAY CONT       |

|                |                 |
|----------------|-----------------|
| Connector No.  | M77             |
| Connector Name | WIRE TO WIRE    |
| Connector Type | TH80FW-CS16-TM4 |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | B/O           | -                           |
| 2            | R             | -                           |
| 3            | G/R           | -                           |
| 4            | G/B           | -                           |
| 6            | L             | -                           |
| 7            | W/R           | -                           |
| 8            | G/W           | -                           |
| 9            | Y/L           | -                           |
| 10           | W             | -                           |
| 31           | GR/L          | -                           |
| 32           | L/B           | -                           |
| 33           | R/Y           | -                           |
| 34           | SB            | -                           |
| 35           | BR            | -                           |
| 36           | G             | -                           |
| 39           | L/R           | -                           |
| 44           | G/O           | -                           |
| 45           | L/G/R         | -                           |
| 46           | GR/W          | -                           |
| 48           | L/O           | -                           |
| 51           | B/W           | -                           |
| 53           | R/L           | -                           |
| 54           | O             | -                           |
| 57           | GR            | -                           |
| 59           | V             | -                           |
| 60           | R/W           | -                           |
| 61           | PL/W          | -                           |
| 62           | W/L           | -                           |
| 63           | W/B           | -                           |
| 67           | Y/R           | -                           |
| 69           | L/G           | -                           |
| 70           | SHIELD        | -                           |
| 71           | P/B           | -                           |
| 72           | R/G           | -                           |
| 73           | R             | -                           |

|     |      |   |
|-----|------|---|
| 74  | L/Y  | - |
| 76  | W/G  | - |
| 77  | GR/R | - |
| 78  | O    | - |
| 79  | LG   | - |
| 80  | P    | - |
| 81  | L    | - |
| 82  | GR   | - |
| 83  | G/R  | - |
| 84  | B    | - |
| 91  | R    | - |
| 92  | O    | - |
| 93  | Y    | - |
| 94  | R/B  | - |
| 95  | L/W  | - |
| 96  | Y    | - |
| 97  | L    | - |
| 98  | BR/W | - |
| 99  | W    | - |
| 100 | GR   | - |

|                |              |
|----------------|--------------|
| Connector No.  | M78          |
| Connector Name | WIRE TO WIRE |
| Connector Type | LQ2MB-MC     |



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

JRMWE7859GB

# POWER SUPPLY ROUTING CIRCUIT

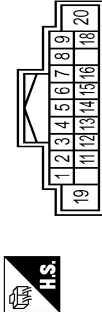
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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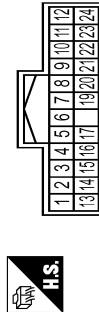
## ACCESSORY POWER SUPPLY

|                |                   |
|----------------|-------------------|
| Connector No.  | M97               |
| Connector Name | NAVI CONTROL UNIT |
| Connector Type | TH8FV-CS2         |



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

|                |              |
|----------------|--------------|
| Connector No.  | M99          |
| Connector Name | IPod ADAPTER |
| Connector Type | TH24FV-NH    |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | R             | IPod SOUND SIGNAL LH (+)    |
| 2            | B             | IPod SOUND SIGNAL RH (+)    |
| 3            | L/Y           | ACC                         |
| 4            | L/G           | AV COMM (L)                 |
| 5            | L             | BATTERY                     |
| 6            | GR            | USB D+ SIGNAL               |
| 7            | L/G           | USB D- SIGNAL               |
| 8            | L/G           | IPod BATTERY CHARGE 12V     |
| 9            | P             | COMM (IPod Adapter-Pod)     |
| 10           | L             | COMM (IPod Adapter)         |
| 11           | O             | ACCESSORY IDENTITY          |
| 12           | G/R           | IPod SOUND SIGNAL RH (+)    |
| 13           | W             | IPod SOUND SIGNAL LH (-)    |
| 14           | G             | IPod SOUND SIGNAL RH (-)    |
| 15           | SHIELD        | SHIELD                      |
| 16           | S5            | AV COMM (H)                 |
| 17           | B             | GROUND                      |
| 19           | SHIELD        | SHIELD                      |
| 20           | BR            | IPod BATTERY CHARGE 5V      |
| 21           | WB            | IPod CONNECTION RECOGNITION |
| 22           | G/O           | ACCESSORY DETECT            |
| 23           | G/Y           | IPod SOUND SIGNAL GND       |
| 24           | G/O           | IPod SOUND SIGNAL LH (+)    |

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PG



# POWER SUPPLY ROUTING CIRCUIT

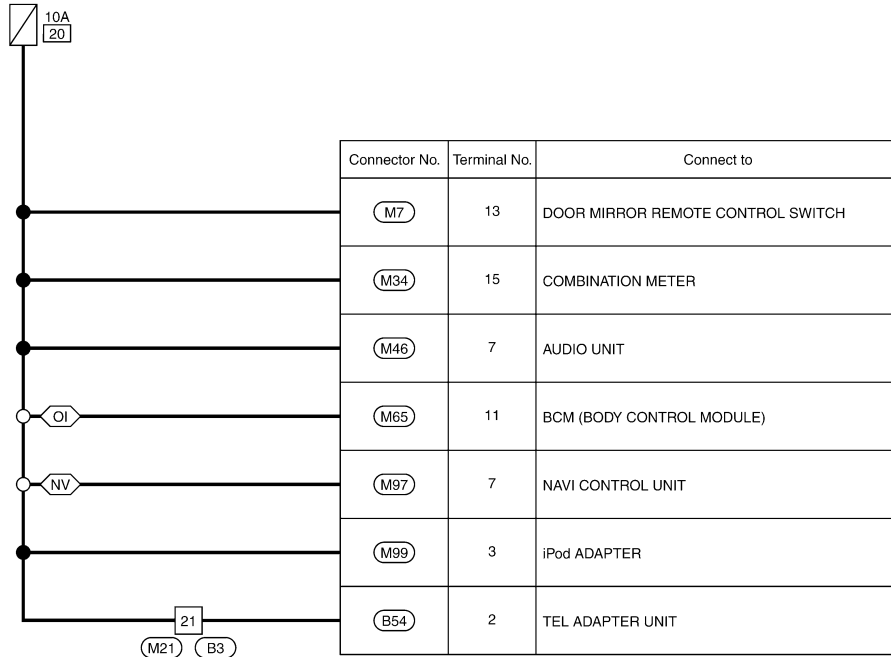
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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

INFOID:000000009945572

 : With NAVI  
 : Without Intelligent Key



2013/09/19

JRMWE7736GB



# POWER SUPPLY ROUTING CIRCUIT

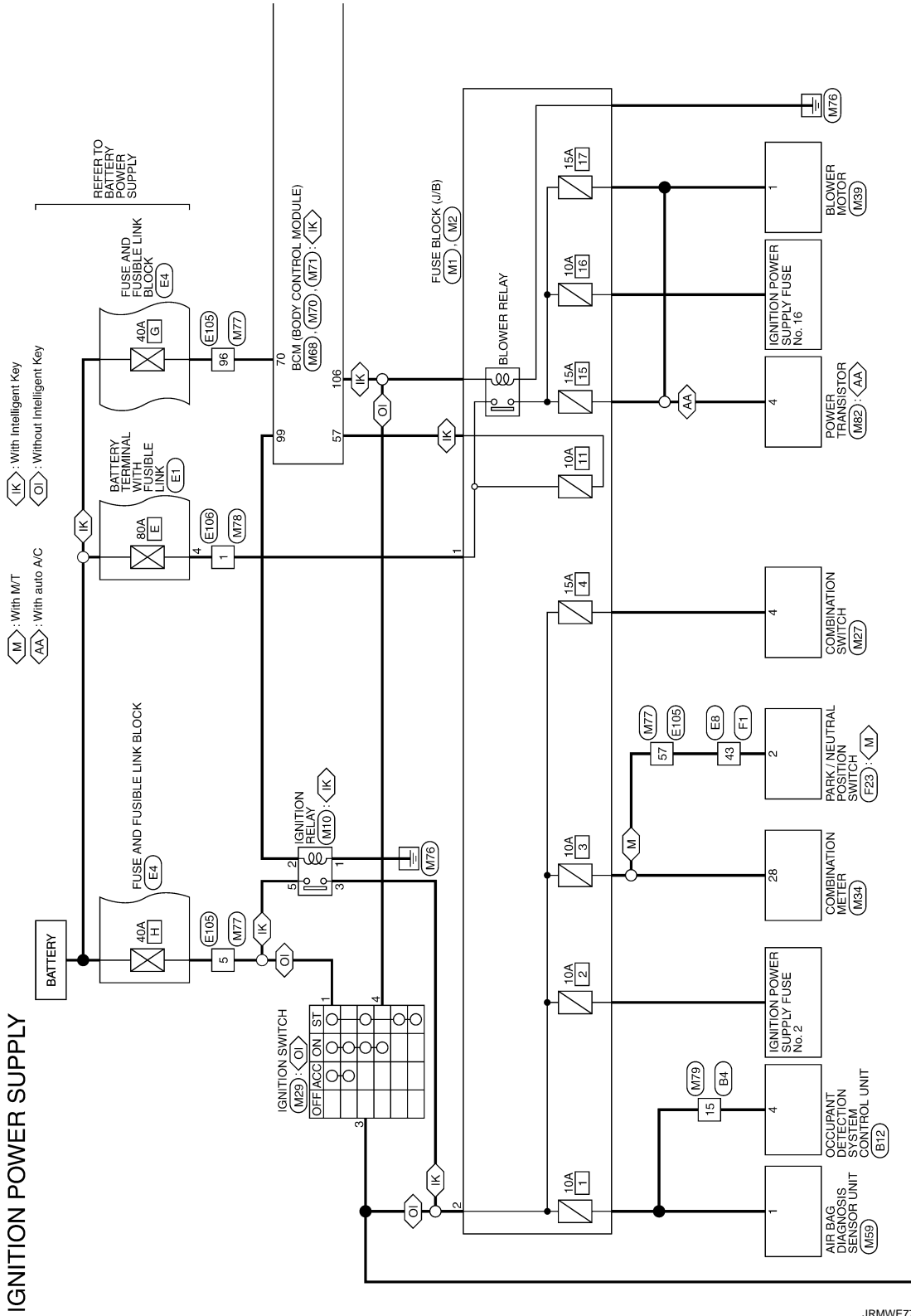
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Wiring Diagram - IGNITION POWER SUPPLY -

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### IGNITION POWER SUPPLY



2013/09/19

JRMWE7737GB

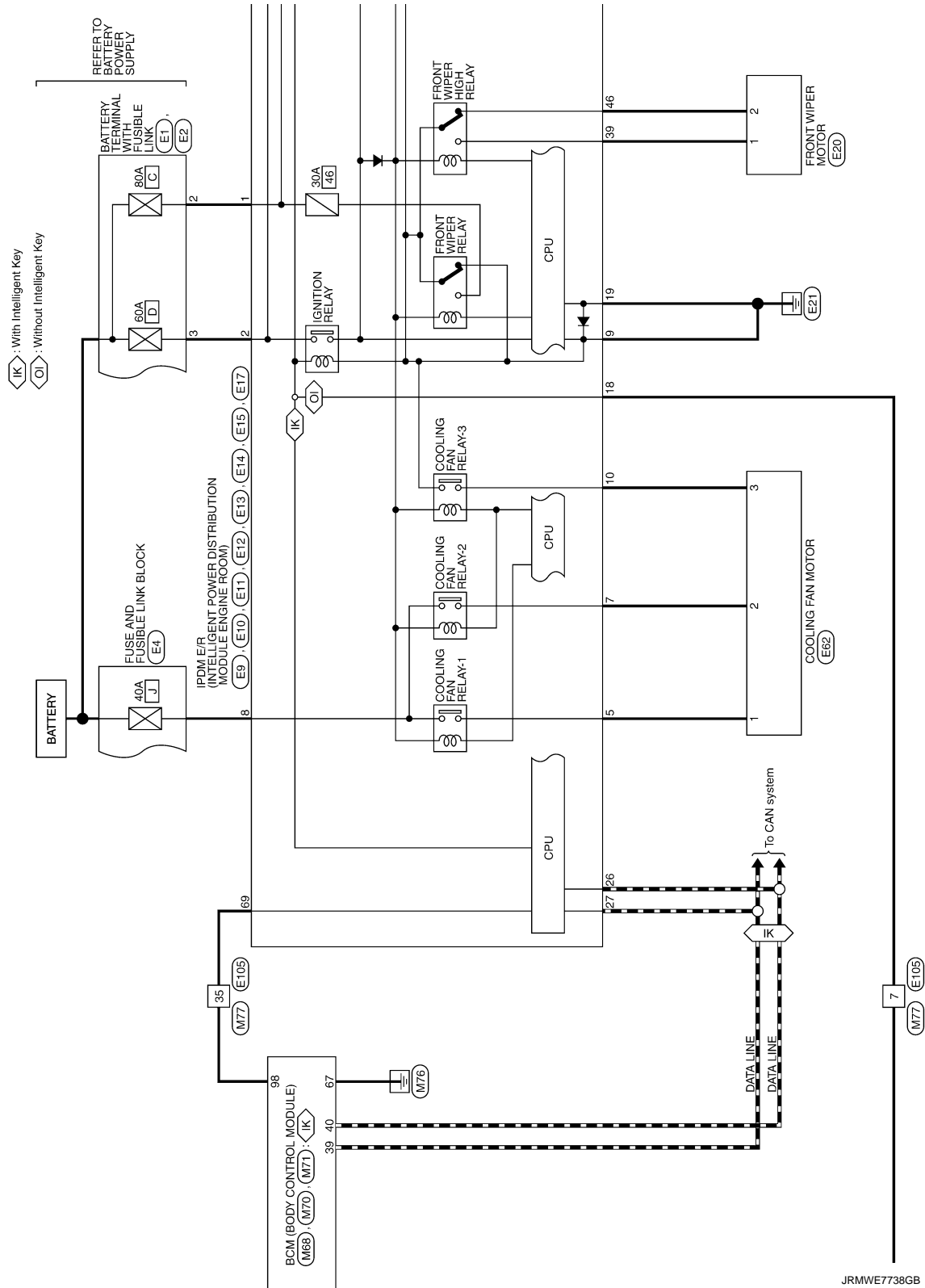
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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]




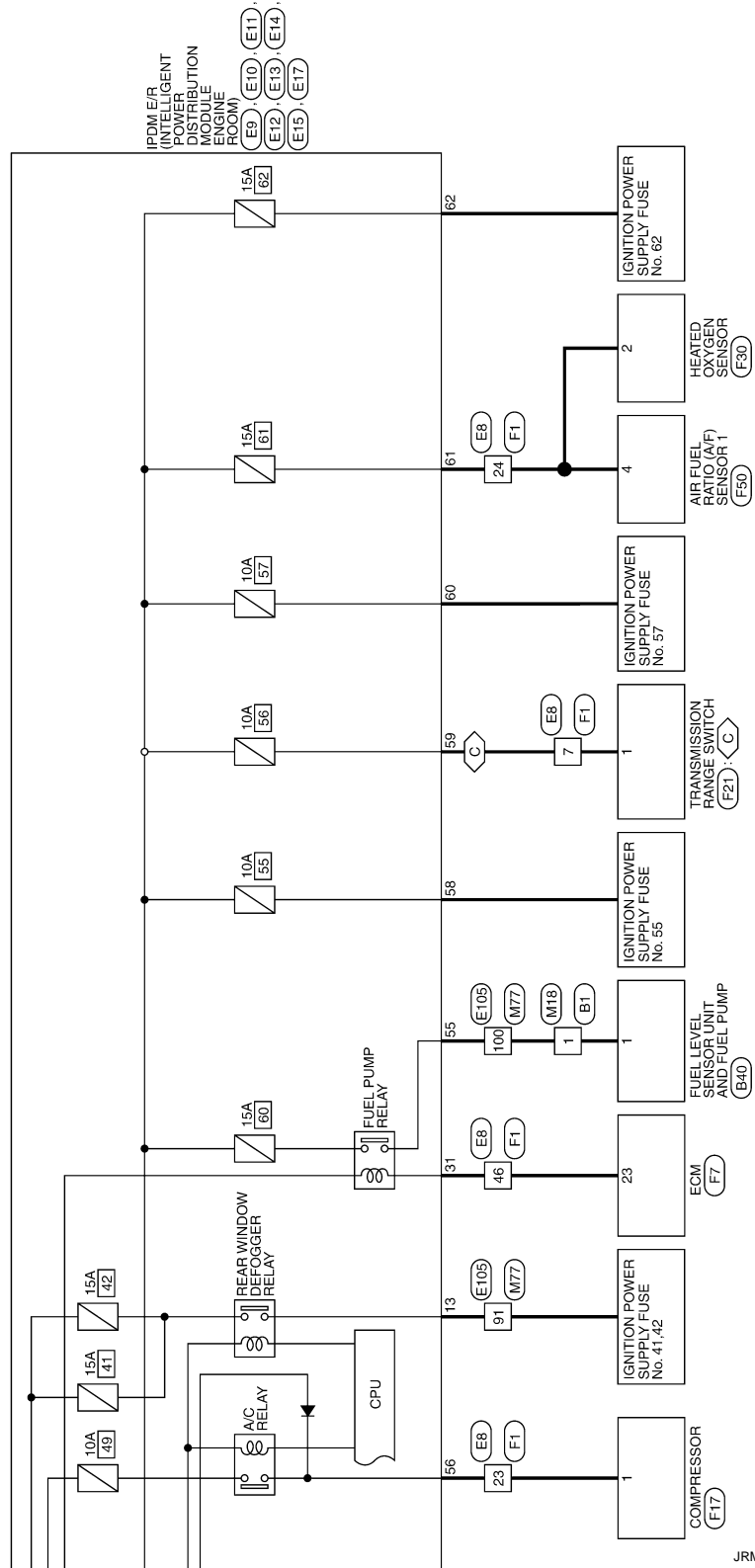
JRMWE7738GB

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

 : With CVT



JRMWE7739GB

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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## IGNITION POWER SUPPLY

|                |              |
|----------------|--------------|
| Connector No.  | B1           |
| Connector Name | WIRE TO WIRE |
| Connector Type | NS16MV-CS    |



|    |    |    |    |    |    |
|----|----|----|----|----|----|
| 1  | 3  | 4  | 5  | 6  | 7  |
| 10 | 11 | 12 | 13 | 15 | 18 |

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

|                |              |
|----------------|--------------|
| Connector No.  | B4           |
| Connector Name | WIRE TO WIRE |
| Connector Type | TH24MV-NH    |



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

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | W             | -                           |
| 2            | V             | -                           |
| 3            | O             | -                           |
| 4            | P             | -                           |
| 5            | W             | -                           |
| 8            | SB            | -                           |
| 9            | GR            | -                           |

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 10           | SB            | -                           |
| 11           | G             | -                           |
| 12           | SB            | -                           |
| 13           | L             | -                           |
| 15           | R             | -                           |
| 16           | GR            | -                           |
| 17           | BR            | -                           |
| 18           | L             | -                           |
| 20           | LG            | -                           |
| 22           | Y             | -                           |
| 23           | BR            | -                           |
| 24           | O             | -                           |

|                |  |
|----------------|--|
| Connector No.  | B12                                    |
| Connector Name | OCCUPANT DETECTION SYSTEM CONTROL UNIT |
| Connector Type | TH04TV-NH                              |



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

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

|                |                                  |
|----------------|----------------------------------|
| Connector No.  | B38                              |
| Connector Name | NAV RATE / SIDE / DECEL G SENSOR |
| Connector Type | AAZ04FB                          |



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

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

|                |                                      |
|----------------|--------------------------------------|
| Connector No.  | B40                                  |
| Connector Name | FUEL LEVEL SENSOR UNIT AND FUEL PUMP |
| Connector Type | E05FGY-RS                            |



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

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

|                |                  |
|----------------|------------------|
| Connector No.  | B54              |
| Connector Name | TEL ADAPTER UNIT |
| Connector Type | TH92TV-NH        |



|   |   |   |    |    |    |    |    |    |    |    |    |
|---|---|---|----|----|----|----|----|----|----|----|----|
| 2 | 4 | 8 | 10 | 12 | 14 | 16 | 20 | 22 | 24 | 26 |    |
| 1 | 3 | 7 | 9  | 11 | 13 | 17 | 19 | 21 | 23 | 27 | 29 |

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | R             | BATTERY                     |
| 2            | L             | ACC                         |
| 3            | LG            | IGNITION                    |
| 4            | B             | GROUND                      |
| 7            | L             | MICROPHONE SIGNAL           |
| 8            | SHIELD        | MICROPHONE SIGNAL GND       |

|    |    |                         |
|----|----|-------------------------|
| 9  | BR | SOUND SIGNAL (+)        |
| 10 | Y  | SOUND SIGNAL (-)        |
| 11 | SB | TEL ON SIGNAL           |
| 12 | W  | STRG SW A               |
| 13 | SB | STRG SW B               |
| 14 | GR | STRG SW GND             |
| 17 | GR | STRG SW A               |
| 18 | P  | STRG SW B               |
| 19 | L  | STRG SW GND             |
| 20 | B  | CONTROL SIGNAL          |
| 21 | B  | CONTROL SIGNAL          |
| 22 | B  | CONTROL SIGNAL          |
| 23 | B  | CONTROL SIGNAL          |
| 24 | B  | CONTROL SIGNAL          |
| 27 | B  | CONTROL SIGNAL          |
| 28 | O  | VEHICLE SPEED (2 PULSE) |
| 29 | R  | MICROPHONE VCC          |

|                |                                     |
|----------------|-------------------------------------|
| Connector No.  | E1                                  |
| Connector Name | BATTERY TERMINAL WITH FLUSIBLE LINK |
| Connector Type | LO2FGY-MC                           |



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

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

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

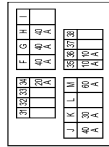
## IGNITION POWER SUPPLY

|                |                                    |
|----------------|------------------------------------|
| Connector No.  | E2                                 |
| Connector Name | BATTERY TERMINAL WITH FUSIBLE LINK |
| Connector Type | L02FBR-MC                          |



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

|                |                             |
|----------------|-----------------------------|
| Connector No.  | E4                          |
| Connector Name | FUSE AND FUSIBLE LINK BLOCK |
| Connector Type | 24381 C9600                 |



| Terminal No. | Wire | Signal Name [Specification] |
|--------------|------|-----------------------------|
| 34           | R    | -                           |
| 35           | G    | -                           |
| 36           | SB   | -                           |
| F            | Y    | -                           |
| G            | LG   | -                           |
| H            | P    | -                           |
| J            | V    | -                           |
| K            | L    | -                           |
| M            | R    | -                           |

|                |                   |
|----------------|-------------------|
| Connector No.  | E8                |
| Connector Name | WIRE TO WIRE      |
| Connector Type | SAA3RMB-RS10-SJZ2 |



| Terminal No. | Wire | Signal Name [Specification] |
|--------------|------|-----------------------------|
| 1            | BR   | -                           |
| 2            | LG   | -                           |
| 3            | Y    | -                           |
| 4            | W    | -                           |
| 7            | Y    | -                           |
| 8            | SB   | -                           |
| 9            | L    | -                           |
| 10           | V    | -                           |
| 11           | P    | -                           |
| 12           | BR   | -                           |
| 13           | LG   | -                           |
| 14           | Y    | -                           |
| 15           | SB   | -                           |
| 16           | L    | -                           |
| 17           | W    | -                           |
| 18           | O    | -                           |
| 21           | G    | -                           |
| 22           | Y    | -                           |
| 23           | SB   | -                           |
| 24           | W    | -                           |
| 25           | BR   | -                           |
| 26           | BY   | -                           |
| 27           | GR   | -                           |
| 28           | P    | -                           |
| 29           | V    | -                           |
| 30           | G    | -                           |
| 31           | G    | -                           |
| 32           | O    | -                           |
| 33           | W    | -                           |
| 34           | Y    | -                           |
| 35           | V    | -                           |
| 36           | P    | -                           |
| 37           | LG   | -                           |
| 39           | SB   | -                           |
| 40           | GR   | -                           |
| 41           | O    | -                           |

|    |    |              |
|----|----|--------------|
| 42 | V  | -            |
| 43 | LG | - [With M/T] |
| 44 | R  | - [With CVT] |
| 46 | W  | -            |
| 47 | G  | -            |
| 48 | BR | -            |

|                |   |
|----------------|---|
| Connector No.  | E9  |
| Connector Name | POWER INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM) |
| Connector Type | L02FB-MC  |



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

|                |   |
|----------------|---|
| Connector No.  | E10   |
| Connector Name | POWER INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM) |
| Connector Type | M06FW-LC  |



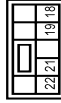
| Terminal No. | Wire | Signal Name [Specification] |
|--------------|------|-----------------------------|
| 3            | BR   | -                           |
| 4            | P    | -                           |
| 5            | LG   | -                           |
| 6            | SB   | -                           |
| 7            | Y    | -                           |
| 8            | V    | -                           |

|                |   |
|----------------|---|
| Connector No.  | E11   |
| Connector Name | POWER INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM) |
| Connector Type | M06FELC   |



| Terminal No. | Wire | Signal Name [Specification] |
|--------------|------|-----------------------------|
| 9            | B/W  | -                           |
| 10           | L    | -                           |
| 13           | W    | -                           |

|                |   |
|----------------|---|
| Connector No.  | E12   |
| Connector Name | POWER INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM) |
| Connector Type | NS58FBR-CS  |



| Terminal No. | Wire | Signal Name [Specification] |
|--------------|------|-----------------------------|
| 18           | Y    | -                           |
| 19           | B/W  | -                           |
| 21           | W    | -                           |
| 22           | V    | -                           |

JRMWE7862GB

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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## IGNITION POWER SUPPLY

|                |   |
|----------------|---|
| Connector No.  | E13   |
| Connector Name | FROM ER INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM) |
| Connector Type | TH12FV-NH   |



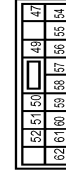
| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 24           | G             | -                           |
| 25           | Y             | -                           |
| 26           | P             | -                           |
| 27           | L             | -                           |
| 28           | P             | -                           |
| 30           | SB            | -                           |
| 31           | W             | -                           |
| 33           | O             | -                           |
| 34           | R             | -                           |

|                |   |
|----------------|---|
| Connector No.  | E14   |
| Connector Name | FROM ER INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM) |
| Connector Type | NS12FBR-CS  |



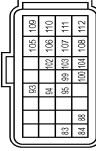
| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 36           | O             | -                           |
| 37           | V             | -                           |
| 38           | G             | -                           |
| 39           | V             | -                           |
| 40           | R             | -                           |
| 41           | SB            | -                           |
| 43           | G             | -                           |
| 44           | P             | -                           |
| 45           | Y             | -                           |
| 46           | O             | -                           |

|                |   |
|----------------|---|
| Connector No.  | E15   |
| Connector Name | FROM ER INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM) |
| Connector Type | NS18FV-CS   |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 47           | BR            | -                           |
| 49           | W             | -                           |
| 50           | GR            | -                           |
| 51           | R             | -                           |
| 52           | P             | -                           |
| 54           | GR            | -                           |
| 55           | P             | -                           |
| 56           | SB            | -                           |
| 57           | G             | -                           |
| 58           | LG            | - [With M/T]                |
| 59           | R             | - [With CVT]                |
| 60           | Y             | -                           |
| 61           | W             | -                           |
| 62           | L             | -                           |

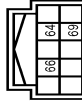
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| Connector No.  | E16            |
| Connector Name | ECM            |
| Connector Type | PK24FB-RZ8L-RH |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 83           | P             | CAN COMMUNICATION LINE      |
| 84           | L             | CAN COMMUNICATION LINE      |
| 88           | LG            | DATA LINK CONNECTOR         |
| 89           | L             | IGNITION SWITCH             |
| 94           | SB            | ASCD STEERING SWITCH        |

|     |    |                                     |
|-----|----|-------------------------------------|
| 95  | BR | SENSOR GROUND                       |
| 99  | W  | STOP LAMP SWITCH                    |
| 100 | SB | ASCD BRAKE SWITCH                   |
| 102 | O  | SENSOR POWER SUPPLY                 |
| 103 | G  | ACCELERATOR PEDAL POSITION SENSOR 2 |
| 104 | R  | SENSOR GROUND                       |
| 105 | G  | POWER SUPPLY FOR ECM                |
| 106 | V  | SENSOR POWER SUPPLY                 |
| 107 | B  | ECM GROUND                          |
| 108 | B  | ECM GROUND                          |
| 109 | B  | ECM GROUND                          |
| 110 | BR | ACCELERATOR PEDAL POSITION SENSOR 1 |
| 111 | Y  | SENSOR GROUND                       |
| 112 | B  | ECM GROUND                          |

|                |   |
|----------------|---|
| Connector No.  | E17   |
| Connector Name | FROM ER INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM) |
| Connector Type | TH10FB-NH   |



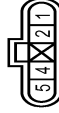
| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 64           | R             | -                           |
| 66           | L             | -                           |
| 69           | O             | -                           |

|                |                                   |
|----------------|-----------------------------------|
| Connector No.  | E18                               |
| Connector Name | TCM (TRANSMISSION CONTROL MODULE) |
| Connector Type | TK24FW                            |



| Terminal No. | Color Of Wire | Signal Name [Specification]            |
|--------------|---------------|--|
| 1            | Y             | LINE PRESSURE SOLENOID VALVE           |
| 2            | LG            | SECONDARY PRESSURE SOLENOID VALVE      |
| 3            | BR            | TORQUE CONVERTER CLUTCH SOLENOID VALVE |
| 4            | O             | LOCK-UP SELECT SOLENOID VALVE          |
| 5            | L             | CAN-H                                  |
| 6            | P             | CAN-L                                  |
| 10           | R             | IGNITION POWER SUPPLY                  |
| 11           | W             | STEP MOTOR A                           |
| 12           | L             | STEP MOTOR B                           |
| 13           | SB            | ROM ASSY (SEL 2)                       |
| 14           | P             | ROM ASSY (SEL 1)                       |
| 15           | V             | ROM ASSY (SEL 3)                       |
| 18           | BR            | P RANGE SW                             |
| 19           | R             | IGNITION POWER SUPPLY                  |
| 20           | SB            | STEP MOTOR C                           |
| 21           | Y             | STEP MOTOR D                           |
| 22           | GR            | R RANGE SW                             |

|                |                   |
|----------------|-------------------|
| Connector No.  | E20               |
| Connector Name | FRONT WIPER MOTOR |
| Connector Type | PHK05FGV-B        |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | V             | -                           |
| 2            | O             | -                           |
| 4            | Y             | -                           |
| 5            | BR            | -                           |

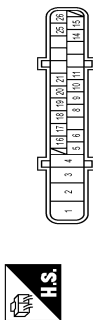
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## IGNITION POWER SUPPLY

|                |  |
|----------------|--|
| Connector No.  | E136   |
| Connector Name | ABS ACTIVATOR AND ELECTRIC LINT (CONTROL LAMP) |
| Connector Type | BAA2ZFBAHZ-RH                                  |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | B             | GND (MTR)                   |
| 2            | Y             | BAT (MTR)                   |
| 3            | B             | BAT (SOL)                   |
| 4            | B             | GND (SOL)                   |
| 5            | Y             | DS FL                       |
| 6            | W             | DP RL                       |
| 8            | O             | DP RR                       |
| 9            | L             | DS PR                       |
| 10           | R             | DS PR                       |
| 11           | LG            | K LINE                      |
| 14           | GR            | CANL                        |
| 15           | P             | CANL                        |
| 16           | BR            | DP FL                       |
| 17           | G             | DS RL                       |
| 18           | V             | IGN                         |
| 19           | SB            | DS RR                       |
| 20           | W             | STOP LAMP SW                |
| 21           | P             | VDC OFF SW                  |
| 25           | R             | CAN-H                       |
| 26           | L             | CAN-H                       |

|                |                   |
|----------------|-------------------|
| Connector No.  | E62               |
| Connector Name | COOLING FAN MOTOR |
| Connector Type | RSMFGY-PR         |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | LG            | -                           |
| 2            | Y             | -                           |
| 3            | L             | -                           |
| 4            | BR            | -                           |

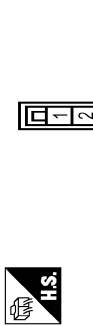
|                |                 |
|----------------|-----------------|
| Connector No.  | E105            |
| Connector Name | WIRE TO WIRE    |
| Connector Type | TH80MW-GS16-TM4 |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | V             | -                           |
| 2            | W             | -                           |
| 3            | SB            | -                           |
| 4            | G             | -                           |
| 5            | P             | -                           |
| 6            | L             | - [With NAVI]               |
| 7            | Y             | - [Without NAVI]            |
| 8            | O             | -                           |
| 9            | W             | -                           |
| 10           | SB            | -                           |
| 31           | V             | -                           |
| 32           | R             | -                           |
| 33           | GR            | -                           |
| 34           | P             | -                           |
| 35           | Y             | -                           |

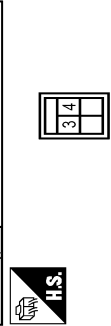
|     |        |              |
|-----|--------|--------------|
| 36  | BR     | -            |
| 39  | SB     | -            |
| 44  | R      | -            |
| 45  | V      | -            |
| 46  | P      | -            |
| 48  | L      | -            |
| 51  | B      | - [With M/T] |
| 51  | BR     | - [With CVT] |
| 53  | SB     | -            |
| 54  | O      | - [With M/T] |
| 54  | W      | - [With CVT] |
| 57  | LG     | -            |
| 59  | L      | -            |
| 60  | O      | -            |
| 61  | G      | -            |
| 62  | W      | -            |
| 63  | L      | -            |
| 67  | GR     | - [With CVT] |
| 67  | V      | - [With M/T] |
| 69  | P      | -            |
| 70  | SHIELD | -            |
| 71  | GR     | -            |
| 72  | LG     | -            |
| 73  | P      | -            |
| 74  | V      | -            |
| 76  | Y      | -            |
| 77  | LG     | -            |
| 78  | O      | -            |
| 79  | G      | -            |
| 80  | P      | -            |
| 81  | L      | -            |
| 82  | W      | -            |
| 83  | BR     | -            |
| 84  | B      | -            |
| 91  | W      | -            |
| 92  | Y      | -            |
| 93  | Y      | -            |
| 94  | R      | -            |
| 95  | V      | -            |
| 96  | LG     | -            |
| 97  | R      | -            |
| 98  | SB     | -            |
| 99  | G      | -            |
| 100 | P      | -            |

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



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

|                |                     |
|----------------|---------------------|
| Connector No.  | E111                |
| Connector Name | ASC D CLUTCH SWITCH |
| Connector Type | MD0FW-LC            |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 3            | O             | -                           |
| 4            | R             | -                           |

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# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## IGNITION POWER SUPPLY

|                |                    |
|----------------|--------------------|
| Connector No.  | E112               |
| Connector Name | ASC D BRAKE SWITCH |
| Connector Type | M02FBR-LC          |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | R             | - [With M/T]                |
| 1            | W             | - [With CVT]                |
| 2            | SB            | -                           |

|                |                         |
|----------------|-------------------------|
| Connector No.  | E113                    |
| Connector Name | CLUTCH INTERLOCK SWITCH |
| Connector Type | M04FW-LC                |



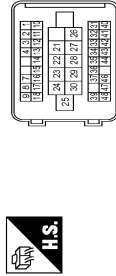
| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 3            | Y             | -                           |
| 4            | BR            | -                           |

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



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | V             | -                           |
| 2            | W             | -                           |
| 3            | O             | -                           |
| 4            | G             | -                           |

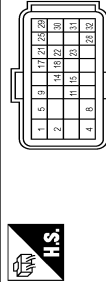
|                |                   |
|----------------|-------------------|
| Connector No.  | F1                |
| Connector Name | WIRE TO WIRE      |
| Connector Type | SAA36FB-RS10-SJ22 |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | SB            | -                           |
| 2            | LG            | -                           |
| 3            | R             | -                           |
| 4            | Y             | -                           |
| 7            | V             | -                           |
| 8            | G             | -                           |
| 9            | SB            | -                           |
| 10           | L             | -                           |
| 11           | Y             | -                           |
| 12           | GR            | -                           |
| 13           | BR            | -                           |
| 14           | G             | -                           |
| 15           | W             | -                           |
| 16           | V             | -                           |
| 17           | P             | -                           |
| 18           | BR            | -                           |

|    |    |   |
|----|----|---|
| 21 | G  | - |
| 22 | L  | - |
| 23 | W  | - |
| 24 | R  | - |
| 25 | R  | - |
| 26 | B  | - |
| 27 | SB | - |
| 28 | V  | - |
| 29 | V  | - |
| 30 | BR | - |
| 31 | GR | - |
| 32 | BR | - |
| 33 | W  | - |
| 34 | LG | - |
| 35 | V  | - |
| 36 | Y  | - |
| 37 | W  | - |
| 38 | G  | - |
| 39 | G  | - |
| 40 | P  | - |
| 41 | O  | - |
| 42 | G  | - |
| 43 | R  | - |
| 44 | P  | - |
| 46 | GR | - |
| 47 | Y  | - |
| 48 | BR | - |

|                |                  |
|----------------|------------------|
| Connector No.  | F7               |
| Connector Name | ECM              |
| Connector Type | RP24FGY-RZ8-R-RH |



| Terminal No. | Color Of Wire | Signal Name [Specification]               |
|--------------|---------------|---|
| 1            | P             | THROTTLE CONTROL MOTOR (OPEN)             |
| 2            | SB            | THROTTLE CONTROL MOTOR RELAY POWER SUPPLY |
| 4            | L             | THROTTLE CONTROL MOTOR (OPEN)             |
| 5            | G             | HEATED OXYGEN SENSOR 2 HEATER             |
| 8            | G             | A/F SENSOR 1 HEATER                       |
| 9            | P             | EVAP CANISTER VENT CONTROL VALVE          |
| 11           | B             | ECM GROUND                                |
| 14           | L             | PNP SIGNAL                                |

|    |    |                                  |
|----|----|----------------------------------|
| 15 | Y  | THROTTLE CONTROL MOTOR RELAY     |
| 17 | R  | IGNITION SIGNAL No. 1            |
| 18 | LG | IGNITION SIGNAL No. 2            |
| 21 | G  | IGNITION SIGNAL No. 4            |
| 22 | SB | IGNITION SIGNAL No. 3            |
| 23 | GR | FUEL PUMP RELAY                  |
| 25 | V  | FUEL INJECTOR No. 4              |
| 28 | W  | EVAP CANISTER VENT CONTROL VALVE |
| 29 | Y  | FUEL INJECTOR No. 3              |
| 30 | O  | FUEL INJECTOR No. 2              |
| 31 | L  | FUEL INJECTOR No. 1              |
| 32 | P  | ECM RELAY (SELF SHUT-OFF)        |

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



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

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



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



















# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## IGNITION POWER SUPPLY

|   |  |  |   |  |  |   |  |  |
|---|--|--|---|--|--|---|--|--|
| <b>Connector No.</b> F21<br><b>Connector Name</b> TRANSMISSION RANGE SWITCH<br><b>Connector Type</b> RK08FG |  |  |  |  |  |                                  |  |  |
| <b>Terminal No.</b> Wire<br>1 R<br>2 W<br>3 W<br>4 GR<br>5 SB<br>6 W<br>7 Y<br>8 G                          |  |  | <b>Signal Name [Specification]</b><br>-<br>-<br>-<br>-<br>-<br>-<br>-               |  |  | <b>Connector No.</b> F23<br><b>Connector Name</b> PARK / NEUTRAL POSITION SWITCH<br><b>Connector Type</b> FEA03FG   |  |  |
|                          |  |  |  |  |  | <b>Terminal No.</b> Wire<br>1 G<br>2 R<br>3 L   |  |  |
| <b>Terminal No.</b> Wire<br>1 R<br>2 W<br>3 W<br>4 GR<br>5 SB<br>6 W<br>7 Y<br>8 G                          |  |  | <b>Signal Name [Specification]</b><br>-<br>-<br>-<br>-<br>-<br>-<br>-               |  |  | <b>Connector No.</b> F30<br><b>Connector Name</b> HEATED OXYGEN SENSOR<br><b>Connector Type</b> AFZ04FB-P           |  |  |
|                          |  |  |  |  |  | <b>Terminal No.</b> Wire<br>1 O<br>2 R<br>3 G<br>4 W  |  |  |
| <b>Terminal No.</b> Wire<br>1 O<br>2 R<br>3 G<br>4 W  |  |  | <b>Signal Name [Specification]</b><br>-<br>-<br>-<br>-                              |  |  | <b>Connector No.</b> F37<br><b>Connector Name</b> FUEL INJECTOR No. 1<br><b>Connector Type</b> HS02FGY              |  |  |
|                          |  |  |  |  |  | <b>Terminal No.</b> Wire<br>1 SB<br>2 L   |  |  |
| <b>Terminal No.</b> Wire<br>1 R<br>2 W<br>3 W<br>4 GR<br>5 SB<br>6 W<br>7 Y<br>8 G                          |  |  | <b>Signal Name [Specification]</b><br>-<br>-<br>-<br>-<br>-<br>-<br>-               |  |  | <b>Connector No.</b> F39<br><b>Connector Name</b> FUEL INJECTOR No. 3<br><b>Connector Type</b> HS02FGY              |  |  |
|                            |  |  |    |  |  | <b>Terminal No.</b> Wire<br>1 SB<br>2 Y   |  |  |
| <b>Terminal No.</b> Wire<br>1 R<br>2 W<br>3 W<br>4 GR<br>5 SB<br>6 W<br>7 Y<br>8 G                          |  |  | <b>Signal Name [Specification]</b><br>-<br>-<br>-<br>-<br>-<br>-<br>-               |  |  | <b>Connector No.</b> F38<br><b>Connector Name</b> FUEL INJECTOR No. 2<br><b>Connector Type</b> HS02FGY              |  |  |
|                            |  |  |    |  |  | <b>Terminal No.</b> Wire<br>1 V<br>2 LG<br>3 G<br>4 R   |  |  |
| <b>Terminal No.</b> Wire<br>1 V<br>2 LG<br>3 G<br>4 R   |  |  | <b>Signal Name [Specification]</b><br>-<br>-<br>-<br>-                              |  |  | <b>Connector No.</b> F40<br><b>Connector Name</b> FUEL INJECTOR No. 4<br><b>Connector Type</b> HS02FGY              |  |  |
|                            |  |  |    |  |  | <b>Terminal No.</b> Wire<br>1 SB<br>2 V   |  |  |
| <b>Terminal No.</b> Wire<br>1 SB<br>2 V   |  |  | <b>Signal Name [Specification]</b><br>-<br>-  |  |  | <b>Connector No.</b> F50<br><b>Connector Name</b> AIR FUEL RATIO (AF) SENSOR 1<br><b>Connector Type</b> RH04MDSY-BR |  |  |
|                            |  |  |    |  |  | <b>Terminal No.</b> Wire<br>1 V<br>2 LG<br>3 G<br>4 R   |  |  |
| <b>Terminal No.</b> Wire<br>1 V<br>2 LG<br>3 G<br>4 R   |  |  | <b>Signal Name [Specification]</b><br>-<br>-<br>-<br>-                              |  |  |   |  |  |

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JRMWE7866GB

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## IGNITION POWER SUPPLY

|                |                      |
|----------------|----------------------|
| Connector No.  | F55                  |
| Connector Name | PRIMARY SPEED SENSOR |
| Connector Type | RK09FB               |



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

|                |                  |
|----------------|------------------|
| Connector No.  | M1               |
| Connector Name | FUSE BLOCK (J/B) |
| Connector Type | 24311-ED000      |



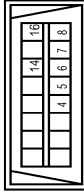
| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | W             | -                           |

|                |                  |
|----------------|------------------|
| Connector No.  | M2               |
| Connector Name | FUSE BLOCK (J/B) |
| Connector Type | M01FYW-MC        |



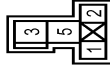
| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 2            | W/B           | - [With Intelligent Key]    |
| 2            | W/R           | - [Without Intelligent Key] |

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



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 4            | B             | -                           |
| 5            | B             | -                           |
| 6            | L             | -                           |
| 7            | GR/R          | -                           |
| 8            | O             | -                           |
| 14           | P             | -                           |
| 16           | LG/R          | -                           |

|                |                |
|----------------|----------------|
| Connector No.  | M10            |
| Connector Name | IGNITION RELAY |
| Connector Type | MS02FL-M2-LC   |



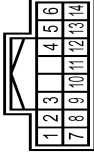
| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | B             | -                           |
| 2            | W/R           | -                           |
| 3            | W/B           | -                           |
| 5            | L             | -                           |

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



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | G/R           | -                           |
| 3            | L/W           | -                           |
| 4            | L             | -                           |
| 5            | Y             | -                           |
| 6            | L/B           | -                           |
| 7            | LG            | -                           |
| 10           | W/L           | -                           |
| 11           | G             | -                           |
| 12           | V             | -                           |
| 13           | L             | -                           |
| 15           | L             | -                           |
| 16           | GR            | -                           |

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



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

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



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

JRMWE7867GB

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

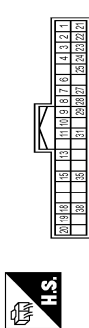
## IGNITION POWER SUPPLY

|                |                       |
|----------------|-----------------------|
| Connector No.  | M330                  |
| Connector Name | STEERING ANGLE SENSOR |
| Connector Type | TH08FW-NH             |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | B             | GROUND                      |
| 2            | P             | CANL                        |
| 4            | GR/L          | IGN                         |
| 5            | L             | CAN-H                       |

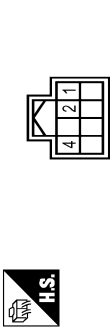
|                |                   |
|----------------|-------------------|
| Connector No.  | M34               |
| Connector Name | COMBINATION METER |
| Connector Type | TH40FW-NH         |



| Terminal No. | Color Of Wire | Signal Name [Specification]                  |
|--------------|---------------|--|
| 1            | L             | CAN-H  |
| 2            | P             | CANL   |
| 3            | V             | VEHICLE SPEED SIGNAL (2-PULSE)               |
| 4            | L             | VEHICLE SPEED SIGNAL (8-PULSE) (WITH NAVI)   |
| 4            | V/R           | VEHICLE SPEED SIGNAL (8-PULSE) (WITH NAVI)   |
| 6            | B/R/Y         | FUEL LEVEL SENSOR SIGNAL                     |
| 7            | R/G           | AIR BAG SIGNAL                               |
| 8            | P             | OVERDRIVE CONTROL SWITCH SIGNAL              |
| 9            | O             | SEAT BELT BUCKLE SWITCH SIGNAL (DRIVER SEAT) |
| 10           | SB            | PARKING BRAKE SWITCH SIGNAL                  |
| 11           | GR            | BRAKE FLUID LEVEL SWITCH SIGNAL              |
| 13           | B/R           | ILLUMINATION CONTROL SIGNAL                  |
| 15           | L/Y           | ACC POWER SUPPLY                             |
| 18           | R/Y           | SECURITY SIGNAL                              |
| 19           | P/W           | AMBIENT SENSOR SIGNAL                        |
| 20           | R/W           | AMBIENT SENSOR GROUND                        |

|    |      |  |
|----|------|--|
| 21 | B    | GROUND                                     |
| 22 | B    | GROUND                                     |
| 23 | B    | GROUND                                     |
| 24 | PU   | FUEL LEVEL SENSOR GROUND                   |
| 25 | B    | VDC GROUND                                 |
| 27 | LG/R | BATTERY POWER SUPPLY                       |
| 28 | GR   | IGNITION SIGNAL                            |
| 29 | BR   | PASSENGER SEAT BELT WARNING SIGNAL         |
| 31 | R    | AC AUTO AMP. CONNECTION RECOGNITION SIGNAL |
| 35 | BR   | ENGINE COOLANT TEMPERATURE SIGNAL          |
| 38 | GR   | ALTERNATOR SIGNAL                          |

|                |                  |
|----------------|------------------|
| Connector No.  | M37              |
| Connector Name | EPS CONTROL UNIT |
| Connector Type | TH08FB           |



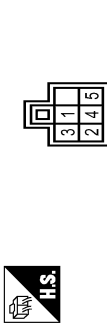
| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | P             | CANL                        |
| 2            | L             | CAN-H                       |
| 4            | O             | IGN            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

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



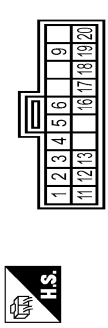
| Terminal No. | Color Of Wire | Signal Name [Specification]                   |
|--------------|---------------|---|
| 1            | Y             | BLOWER MOTOR POWER SUPPLY                     |
| 2            | L             | SENSOR GROUND (WITH manual A/C)               |
| 2            | R             | BLOWER MOTOR CONTROL SIGNAL (WITH manual A/C) |

|                |                     |
|----------------|---------------------|
| Connector No.  | M44                 |
| Connector Name | THERMO CONTROL AMP. |
| Connector Type | SH06FW              |



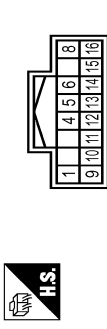
| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | Y             | -                           |
| 2            | GR            | -                           |
| 3            | B             | -                           |
| 4            | V             | -                           |
| 5            | B/W           | -                           |

|                |              |
|----------------|--------------|
| Connector No.  | M50          |
| Connector Name | AC AUTO AMP. |
| Connector Type | TR20FGY      |



| Terminal No. | Color Of Wire | Signal Name [Specification]                |
|--------------|---------------|--|
| 1            | W             | ILLUMINATION POWER SUPPLY                  |
| 2            | R             | AC AUTO AMP. CONNECTION RECOGNITION SIGNAL |
| 3            | R             | INTAKE DOOR MOTOR PWR POWER SUPPLY         |
| 4            | LG/R          | BATTERY POWER SUPPLY                       |
| 5            | O             | IGNITION POWER SUPPLY                      |
| 6            | R/W           | SENSOR GROUND                              |
| 9            | Y             | IGNITION POWER SUPPLY                      |
| 11           | B/R           | ILLUMINATION GROUND                        |
| 12           | L             | FREE DRIVE SIGNAL                          |
| 13           | G             | REC DRIVE SIGNAL                           |
| 16           | B             | GROUND                                     |
| 17           | BR            | AMIX DRIVE SIGNAL 4                        |
| 18           | SB            | AMIX DRIVE SIGNAL 3                        |
| 19           | GR            | AMIX DRIVE SIGNAL 2                        |
| 20           | P             | AMIX DRIVE SIGNAL 1                        |

|                |             |
|----------------|-------------|
| Connector No.  | M53         |
| Connector Name | A/C CONTROL |
| Connector Type | TH18FW-NH   |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | W             | -                           |
| 4            | R             | -                           |
| 6            | W/L           | -                           |
| 6            | C/Y           | -                           |
| 8            | G             | -                           |
| 9            | B/R           | -                           |
| 10           | B/W           | -                           |
| 11           | V             | -                           |
| 12           | Y/R           | -                           |
| 13           | SB            | -                           |
| 14           | Y             | -                           |
| 15           | B             | -                           |
| 16           | L             | -                           |

|                |                    |
|----------------|--------------------|
| Connector No.  | M55                |
| Connector Name | AIR MIX DOOR MOTOR |
| Connector Type | MAA08FB            |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | GR            | AMIX DRIVE SIGNAL 2         |
| 2            | O             | IGNITION POWER SUPPLY       |
| 3            | BR            | AMIX DRIVE SIGNAL 4         |
| 4            | P             | AMIX DRIVE SIGNAL 1         |
| 6            | SB            | AMIX DRIVE SIGNAL 3         |

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PG

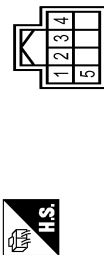
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

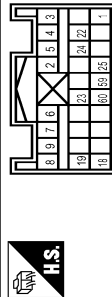
## IGNITION POWER SUPPLY

|                |                 |
|----------------|-----------------|
| Connector No.  | M56             |
| Connector Name | MODE DOOR MOTOR |
| Connector Type | TH98FV-NH       |



| Terminal No. | Color | Wire | Signal Name [Specification] |
|--------------|-------|------|-----------------------------|
| 1            | V     |      | MODE DRIVE SIGNAL 1         |
| 2            | Y     |      | MODE DRIVE SIGNAL 2         |
| 3            | W     |      | MODE DRIVE SIGNAL 3         |
| 4            | GR    |      | MODE DRIVE SIGNAL 4         |
| 5            | O     |      | IGNITION POWER SUPPLY       |

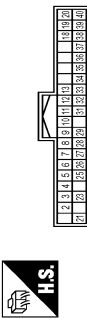
|                |                               |
|----------------|-------------------------------|
| Connector No.  | M59                           |
| Connector Name | AIR BAG DIAGNOSIS SENSOR UNIT |
| Connector Type | M59FY-EX                      |



| Terminal No. | Color  | Wire | Signal Name [Specification] |
|--------------|--------|------|-----------------------------|
| 1            | R/L    |      | IGN                         |
| 2            | B      |      | GROUND                      |
| 3            | Y      |      | DR 1 (+)                    |
| 4            | Y/R    |      | DR 1 (-) DR 2 (+)           |
| 5            | L/Y    |      | DR 2 (-)                    |
| 6            | Y/G    |      | AS 1 (+)                    |
| 7            | Y/B    |      | AS 1 (-)                    |
| 8            | Y/L    |      | AS 2 (+)                    |
| 9            | G/Y    |      | AS 2 (-)                    |
| 10           | L/G    |      | EGZS (+)                    |
| 11           | V      |      | EGZS (-)                    |
| 12           | SHIELD |      | SHIELD                      |
| 13           | R/G    |      | AIR BAG W/L                 |
| 14           | BR     |      | SEAT BELT W/L               |
| 15           | R/B    |      | CUTOFF BELT TALE            |

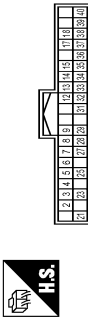
|    |   |  |      |
|----|---|--|------|
| 59 | L |  | CANH |
| 60 | P |  | CANL |

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



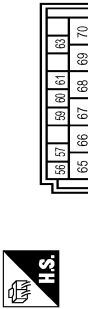
| Terminal No. | Color | Wire | Signal Name [Specification]         |
|--------------|-------|------|-------------------------------------|
| 2            | BR/W  |      | COMBI SW INPUT 5                    |
| 3            | GR    |      | COMBI SW INPUT 4                    |
| 4            | L/Y   |      | COMBI SW INPUT 3                    |
| 5            | G     |      | COMBI SW INPUT 2                    |
| 6            | L/R   |      | COMBI SW INPUT 1                    |
| 7            | W/R   |      | KEY CYL UNLOCK SW                   |
| 8            | W/B   |      | STOP LAMP SW                        |
| 9            | R     |      | REAR WINDOW DEFROGGER SW            |
| 10           | W/L   |      | ACC POWER SUPPLY                    |
| 11           | L/Y   |      | PASSENGER DOOR SW                   |
| 12           | SB    |      | REAR RH DOOR SW                     |
| 13           | GR/L  |      | RECEIVER / SENSOR GND               |
| 14           | V     |      | KEYLESS ENTRY RECEIVER POWER SUPPLY |
| 15           | BR    |      | KEYLESS ENTRY RECEIVER COMM         |
| 16           | G/Y   |      | NATS ANTENNA AMP.                   |
| 17           | P/L   |      | SECURITY INDICATOR LAMP             |
| 18           | R/Y   |      | NATS ANTENNA AMP.                   |
| 19           | LG    |      | THERMO CONTROL AMP.                 |
| 20           | GR    |      | A/C SW                              |
| 21           | Y/G   |      | BLOWER FAN SW                       |
| 22           | L/W   |      | HAZARD SW                           |
| 23           | G/Y   |      | FR DEFROSTER SW                     |
| 24           | LG    |      | COMBI SW OUTPUT 5                   |
| 25           | Y/L   |      | COMBI SW OUTPUT 4                   |
| 26           | W     |      | COMBI SW OUTPUT 3                   |
| 27           | R/L   |      | COMBI SW OUTPUT 2                   |
| 28           | L/O   |      | COMBI SW OUTPUT 1                   |
| 29           | ROW   |      | KEY SWITCH                          |
| 30           | O     |      | IGNITION POWER SUPPLY               |
| 31           | L     |      | CANH                                |
| 32           | P     |      | CANL                                |

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



| Terminal No. | Color | Wire | Signal Name [Specification] |
|--------------|-------|------|-----------------------------|
| 2            | BR/W  |      | COMBI SW INPUT 5            |
| 3            | GR    |      | COMBI SW INPUT 4            |
| 4            | L/Y   |      | COMBI SW INPUT 3            |
| 5            | G     |      | COMBI SW INPUT 2            |
| 6            | L/R   |      | COMBI SW INPUT 1            |
| 7            | W/R   |      | KEY CYL UNLOCK SW           |
| 8            | W/B   |      | KEY CYL LOCK SW             |
| 9            | R     |      | STOP LAMP SW 1              |
| 10           | GR    |      | CENTRAL DOOR LOCK SW        |
| 11           | BR    |      | CENTRAL DOOR UNLOCK SW      |
| 12           | L/G   |      | OPTICAL SENSOR              |
| 13           | W/L   |      | REAR WINDOW DEFROGGER SW    |
| 14           | RG    |      | SENSOR GND                  |
| 15           | V     |      | NATS ANTENNA AMP.           |
| 16           | P/L   |      | SECURITY INDICATOR LAMP     |
| 17           | R/Y   |      | NATS ANTENNA AMP.           |
| 18           | LG    |      | A/C SW                      |
| 19           | O     |      | BLOWER FAN SW               |
| 20           | G/W   |      | HAZARD SW                   |
| 21           | L/W   |      | DR DOOR UNLOCK SENSOR       |
| 22           | G/B   |      | COMBI SW OUTPUT 5           |
| 23           | Y/L   |      | COMBI SW OUTPUT 4           |
| 24           | W     |      | COMBI SW OUTPUT 3           |
| 25           | R/L   |      | COMBI SW OUTPUT 2           |
| 26           | L/O   |      | COMBI SW OUTPUT 1           |
| 27           | G/O   |      | SHIFT P                     |
| 28           | G/Y   |      | RECEIVER COMM               |
| 29           | L     |      | CANH                        |
| 30           | P     |      | CANL                        |

|                |                           |
|----------------|---------------------------|
| Connector No.  | M70                       |
| Connector Name | BCM (BODY CONTROL MODULE) |
| Connector Type | FEA09FV-FHA6-SA           |



| Terminal No. | Color | Wire | Signal Name [Specification]     |
|--------------|-------|------|---------------------------------|
| 56           | L     |      | INTERIOR ROOM AMP POWER SUPPLY  |
| 57           | Y     |      | BAT (FUSE)                      |
| 58           | G     |      | PASSENGER DOOR UNLOCK OUTPUT    |
| 59           | W/B   |      | TURNSIGNAL LH OUTPUT            |
| 60           | W/L   |      | TURNSIGNAL RH OUTPUT            |
| 61           | BR    |      | ROOM LAMP TIMER CONTROL         |
| 62           | V     |      | ALL DOOR LOCK OUTPUT            |
| 63           | L/B   |      | DRIVER DOOR UNLOCK OUTPUT       |
| 64           | B     |      | GROUND                          |
| 65           | L     |      | POWER WINDOW POWER SUPPLY (GS)  |
| 66           | P     |      | POWER WINDOW POWER SUPPLY (BAT) |
| 67           | Y     |      | BAT (F/L)                       |

|                |                           |
|----------------|---------------------------|
| Connector No.  | M71                       |
| Connector Name | BCM (BODY CONTROL MODULE) |
| Connector Type | TH40FW-NH                 |



| Terminal No. | Color | Wire | Signal Name [Specification] |
|--------------|-------|------|-----------------------------|
| 72           | SB    |      | A/C INDICATOR OUTPUT        |
| 73           | SB    |      | DRIVER DOOR REQUEST SW      |
| 74           | L/O   |      | PUSH SW                     |
| 75           | LG    |      | DRIVER DOOR ANT+            |
| 76           | V     |      | DRIVER DOOR ANT-            |
| 77           | BR/Y  |      | PASSENGER DOOR ANT+         |
| 78           | L/Y   |      | PASSENGER DOOR ANT-         |
| 79           | W/B   |      | BACK DOOR ANT+              |

JRMWE7869GB

# POWER SUPPLY ROUTING CIRCUIT

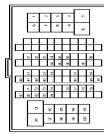
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

**IGNITION POWER SUPPLY**

|     |      |                                   |
|-----|------|-----------------------------------|
| 83  | BAW  | BACK DOOR ANT-                    |
| 84  | Y/G  | ROOM ANT+                         |
| 85  | Y/L  | ROOM ANT-                         |
| 86  | P    | LUGGAGE ROOM ANT+                 |
| 87  | L    | LUGGAGE ROOM ANT-                 |
| 90  | W/L  | PUSH-BUTTON IGNITION SW ILL POWER |
| 91  | Y    | ACCION IND                        |
| 92  | BR/R | PUSH-BUTTON IGNITION SW ILL GND   |
| 93  | GR/W | I-KEY WARN BUZZER                 |
| 96  | BR/W | ACC RELAY CONT                    |
| 97  | L/R  | STARTER RELAY CONT                |
| 98  | BR   | IGN RELAY (IPDM E/R) CONT         |
| 99  | W/R  | IGN RELAY CONT                    |
| 100 | G    | PASSENGER DOOR REQUEST SW         |
| 102 | G    | SHIFT NIP                         |
| 103 | G/Y  | FR DEFROSTER SW                   |
| 104 | Y/R  | C/VT SHIFT SELECTOR POWER SUPPLY  |
| 105 | B/O  | STOP LAMP SW/2                    |
| 106 | Y/B  | BLOWER FAN MOTOR RELAY CONT       |

|                |                 |
|----------------|-----------------|
| Connector No.  | M77             |
| Connector Name | WIRE TO WIRE    |
| Connector Type | TH80FW-GS16-TM4 |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | B/O           | -                           |
| 2            | R             | -                           |
| 3            | G/R           | -                           |
| 4            | G/B           | -                           |
| 5            | L             | -                           |
| 6            | L             | -                           |
| 7            | W/R           | -                           |
| 8            | G/W           | -                           |
| 9            | Y/L           | -                           |
| 10           | W             | -                           |
| 31           | GS/L          | -                           |
| 32           | GR/L          | -                           |
| 33           | R/Y           | -                           |
| 34           | SB            | -                           |
| 35           | BR            | -                           |

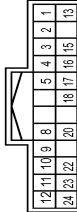
|     |        |   |
|-----|--------|---|
| 36  | G      | - |
| 39  | L/R    | - |
| 44  | G/O    | - |
| 45  | LG/R   | - |
| 46  | GR/W   | - |
| 48  | L/O    | - |
| 51  | BAW    | - |
| 53  | R/L    | - |
| 54  | O      | - |
| 57  | GR     | - |
| 59  | V      | - |
| 60  | RAW    | - |
| 61  | PU/W   | - |
| 62  | W/L    | - |
| 63  | W/B    | - |
| 67  | Y/R    | - |
| 69  | L/G    | - |
| 70  | SHIELD | - |
| 71  | P/B    | - |
| 72  | R/G    | - |
| 73  | R      | - |
| 74  | L/Y    | - |
| 76  | W/G    | - |
| 77  | GR/R   | - |
| 78  | O      | - |
| 79  | LG     | - |
| 80  | P      | - |
| 81  | L      | - |
| 82  | GR     | - |
| 83  | G/R    | - |
| 84  | B      | - |
| 91  | R      | - |
| 92  | O      | - |
| 93  | Y      | - |
| 94  | R/B    | - |
| 95  | L/W    | - |
| 96  | Y      | - |
| 97  | L      | - |
| 98  | BR/W   | - |
| 99  | W      | - |
| 100 | G/R    | - |

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



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

|                |              |
|----------------|--------------|
| Connector No.  | M79          |
| Connector Name | WIRE TO WIRE |
| Connector Type | TH24FW-NH    |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | W/G           | -                           |
| 2            | L/Y           | -                           |
| 3            | R             | -                           |
| 4            | P/B           | -                           |
| 5            | W             | -                           |
| 8            | SB            | -                           |
| 9            | L/G           | -                           |
| 10           | GR/B          | -                           |
| 11           | G/B           | -                           |
| 12           | G/R           | -                           |
| 13           | R/G           | -                           |
| 15           | R/L           | -                           |
| 16           | GS/R          | -                           |
| 17           | BR/Y          | -                           |
| 18           | PU            | -                           |
| 20           | GR/L          | -                           |
| 22           | L             | -                           |
| 23           | Y/L           | -                           |

|    |     |   |
|----|-----|---|
| 24 | GAW | - |
|----|-----|---|

|                |                  |
|----------------|------------------|
| Connector No.  | M82              |
| Connector Name | POWER TRANSISTOR |
| Connector Type | M04FW-LC         |



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

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# POWER SUPPLY ROUTING CIRCUIT





< DTC/CIRCUIT DIAGNOSIS >

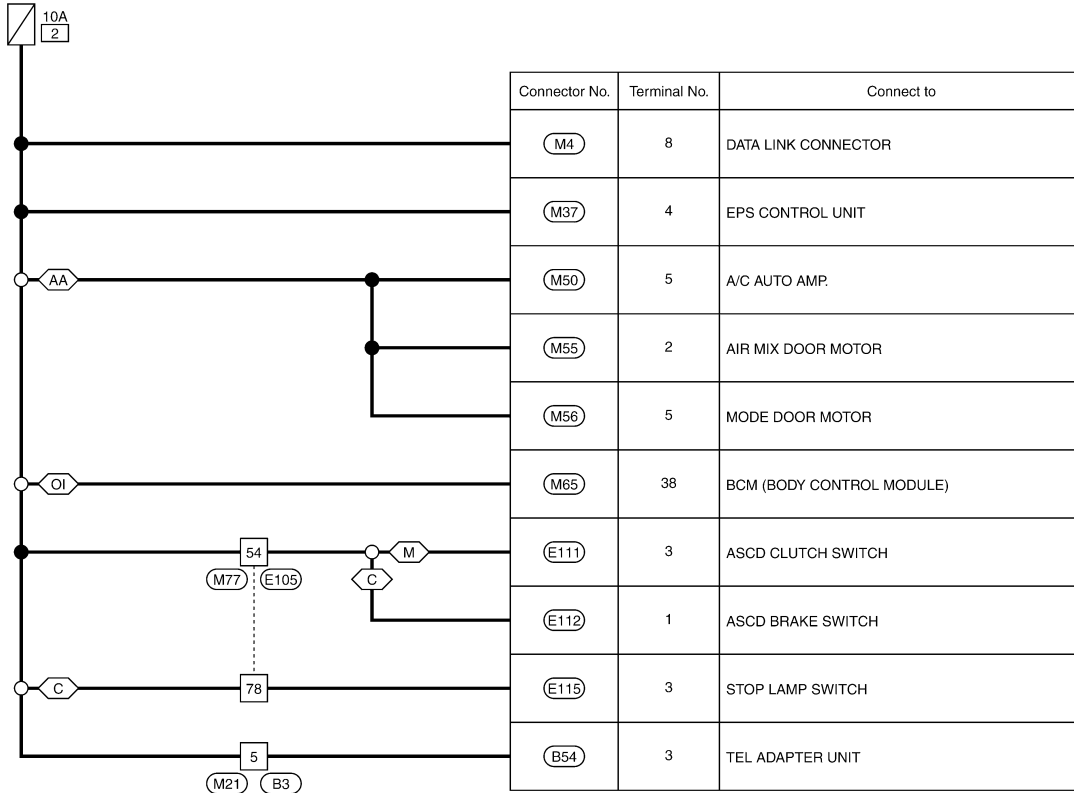
[POWER SUPPLY & GROUND CIRCUIT]

## Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 2 -

INFOID:000000009945574

### IGNITION POWER SUPPLY FUSE No. 2

-  : With CVT
-  : With M/T
-  : With auto A/C
-  : Without Intelligent Key



2013/09/19

JRMWE7740GB

# POWER SUPPLY ROUTING CIRCUIT

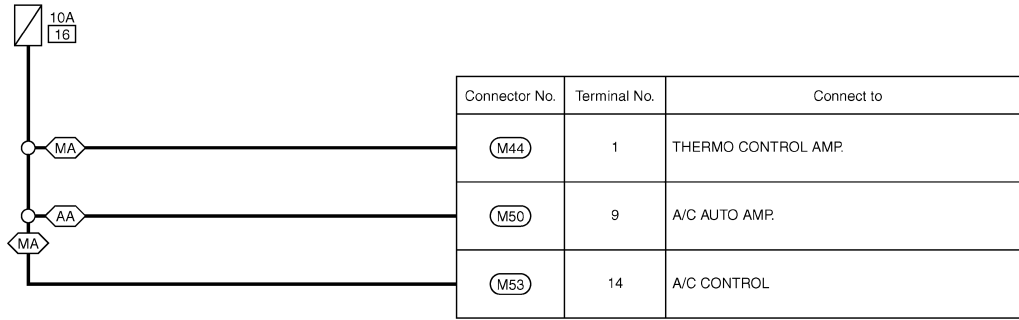
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 16 - IGNITION POWER SUPPLY FUSE No. 16

INFOID:000000009945575

AA: With auto A/C  
MA: With manual A/C



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

2009/10/02

JCMWM5388GB

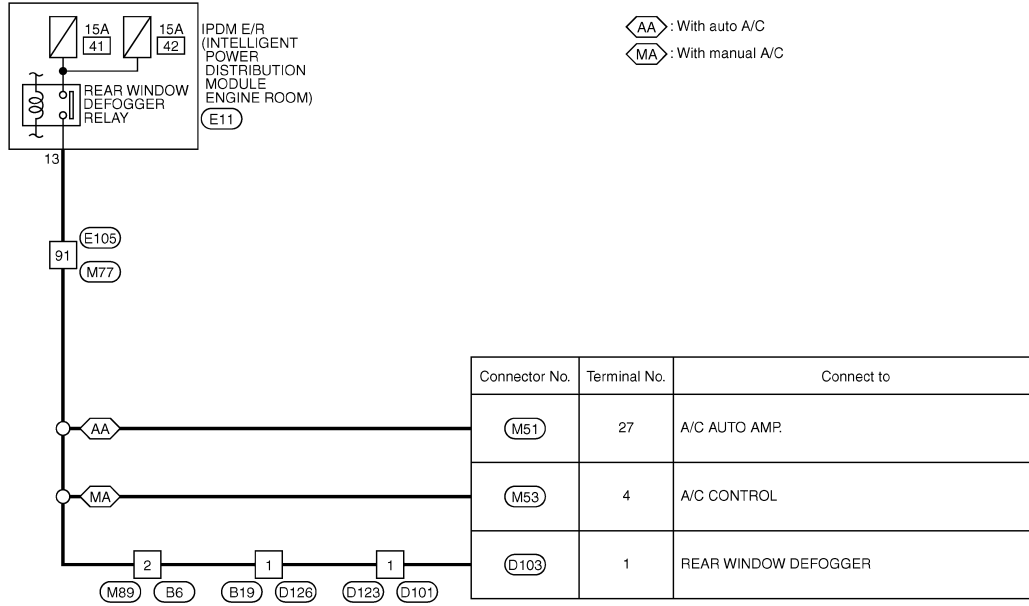
# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 41, 42 - IGNITION POWER SUPPLY FUSE No. 41, 42

INFOID:000000009945576



2010/10/14

JCMWN0453GB



# POWER SUPPLY ROUTING CIRCUIT



< DTC/CIRCUIT DIAGNOSIS >

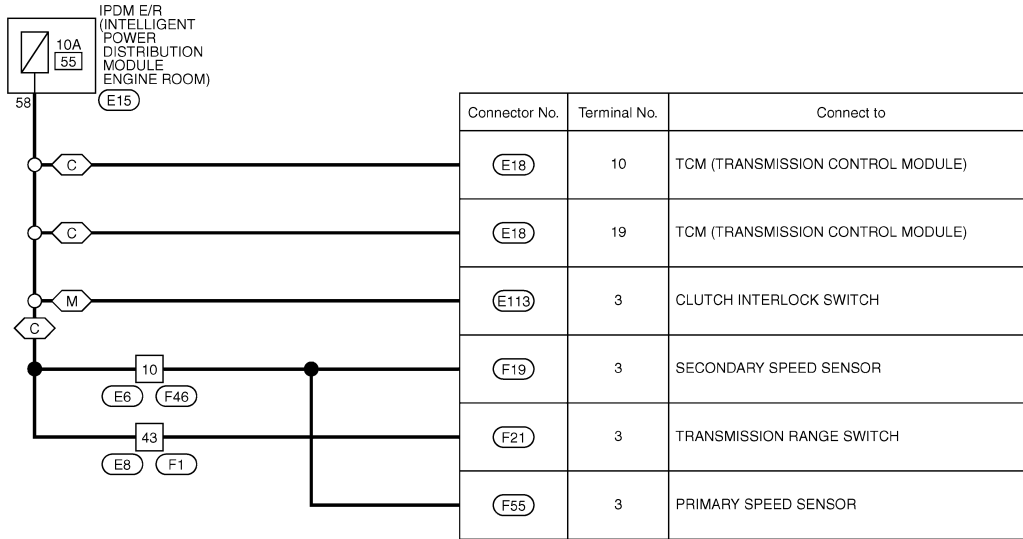
[POWER SUPPLY & GROUND CIRCUIT]

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

INFOID:000000009945577

### IGNITION POWER SUPPLY FUSE No. 55

 : With CVT  
 : With M/T



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

PG

2009/02/27

JCMWM4154GB

# POWER SUPPLY ROUTING CIRCUIT

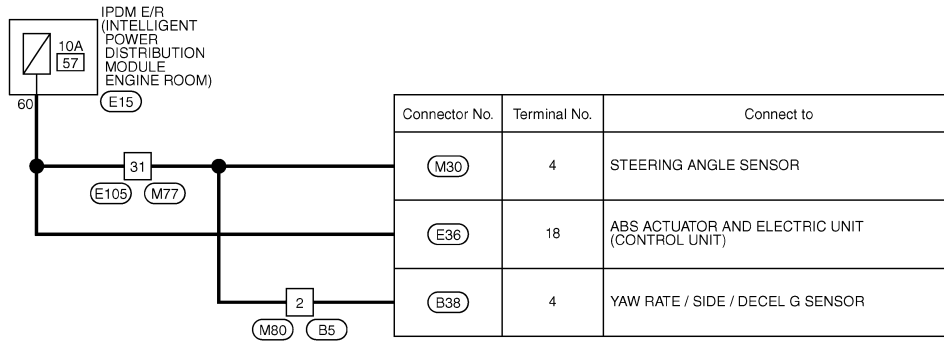
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 57 -

INFOID:000000009945578

### IGNITION POWER SUPPLY FUSE No. 57



2009/02/27

JCMWM4157GB

# POWER SUPPLY ROUTING CIRCUIT

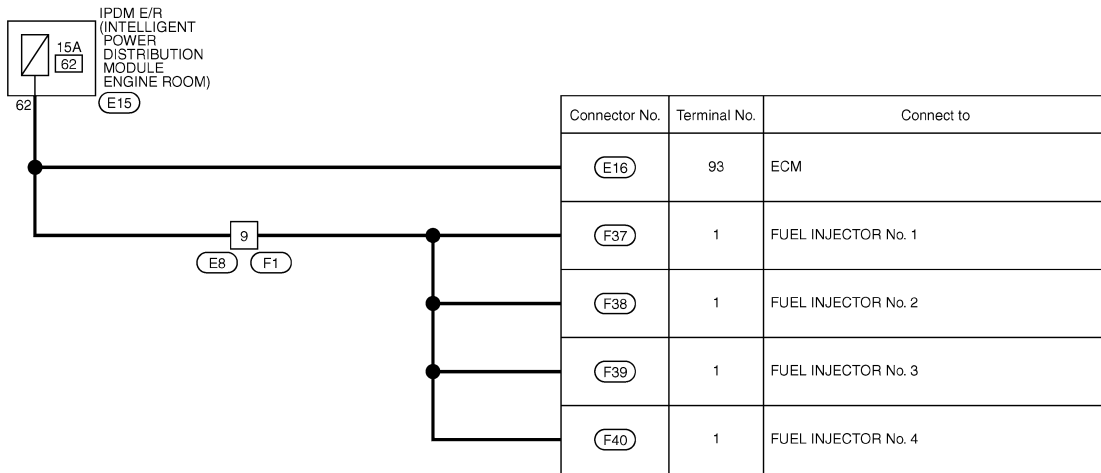
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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

INFOID:000000009945579

### IGNITION POWER SUPPLY FUSE No. 62



A  
B  
C  
D  
E  
F  
G  
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J  
K  
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P

PG

2009/02/27

JCMWM4159GB

# POWER SUPPLY ROUTING CIRCUIT

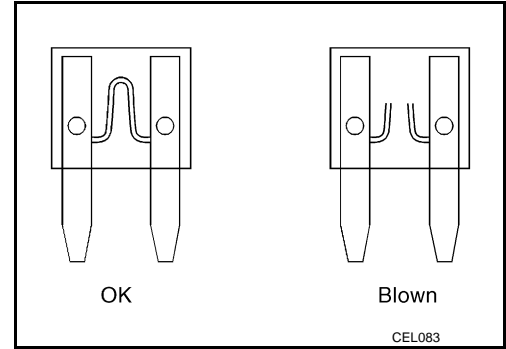
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Fuse

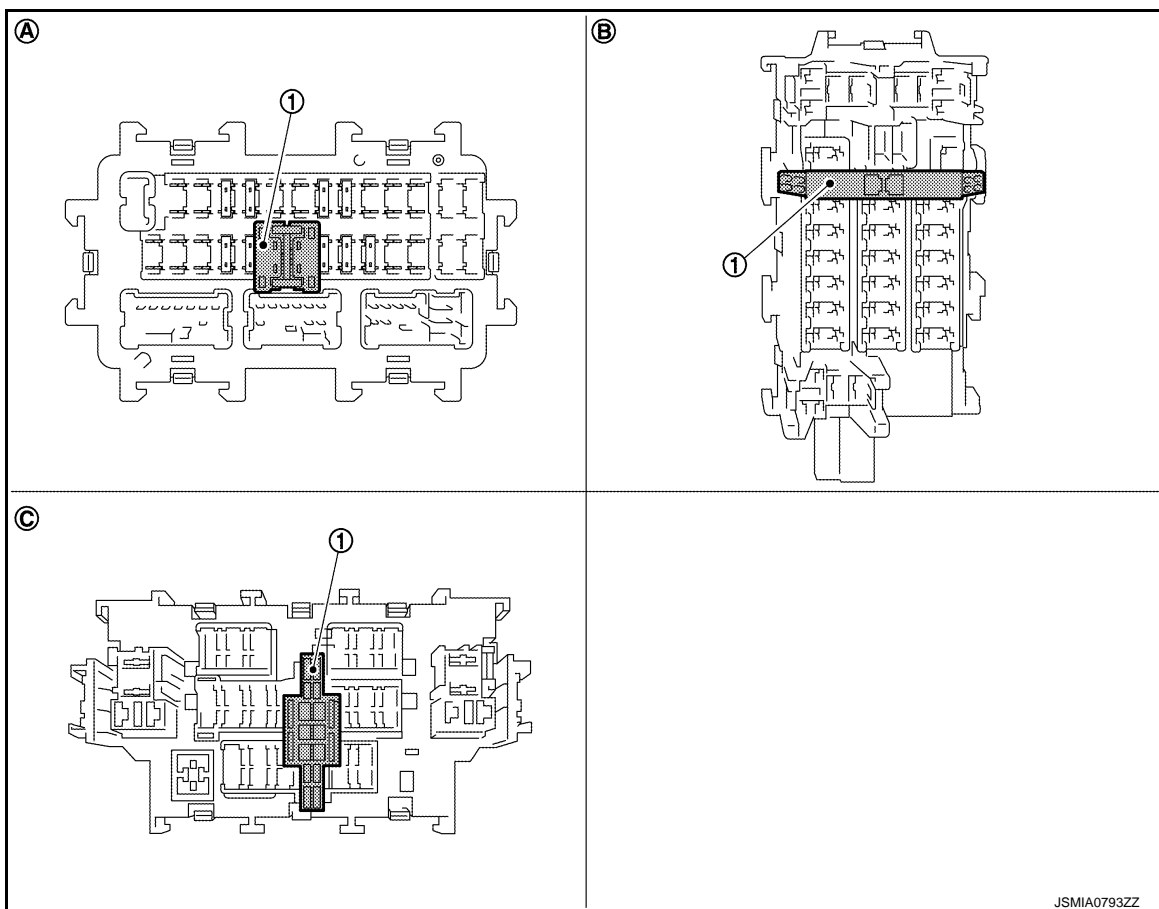
INFOID:000000009945580

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



## EXTENDED STORAGE FUSE SWITCH (IF EQUIPPED)

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



1. Extended storage fuse switch

A. Type A

B. Type B

C. Type C

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

How To Extended Storage Fuse Switch ON/OFF

### CAUTION:

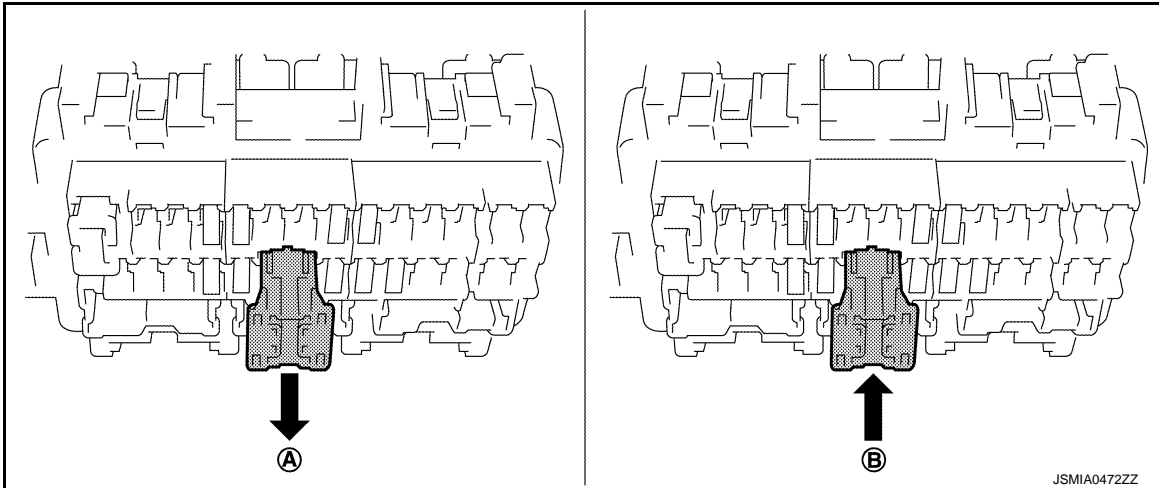
- Turn the ignition switch OFF when operating the extended storage fuse switch.
- Under normal conditions, keep the extended storage fuse switch in ON state. Never operate the extended storage fuse switch except when necessary.

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

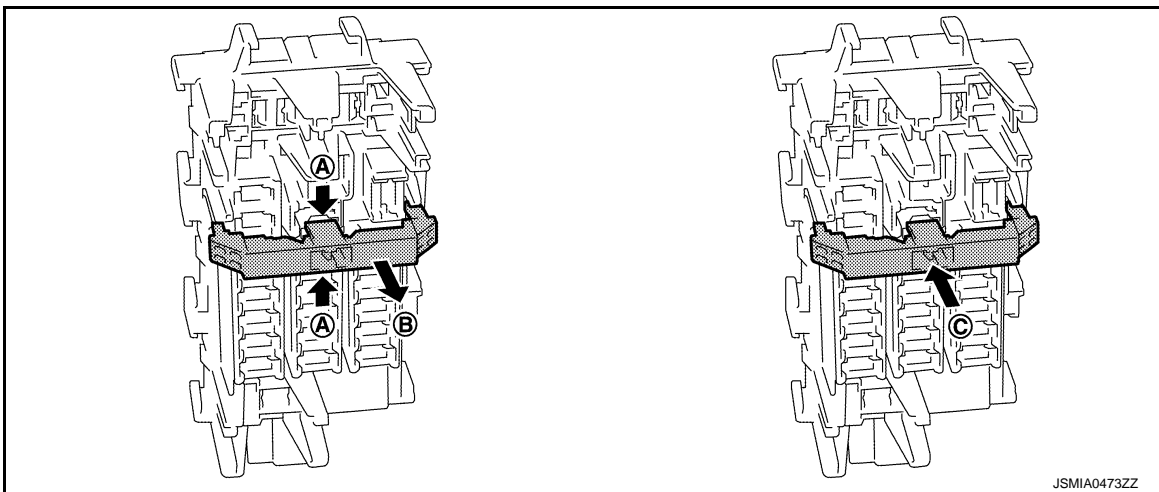
[POWER SUPPLY & GROUND CIRCUIT]

- Type A



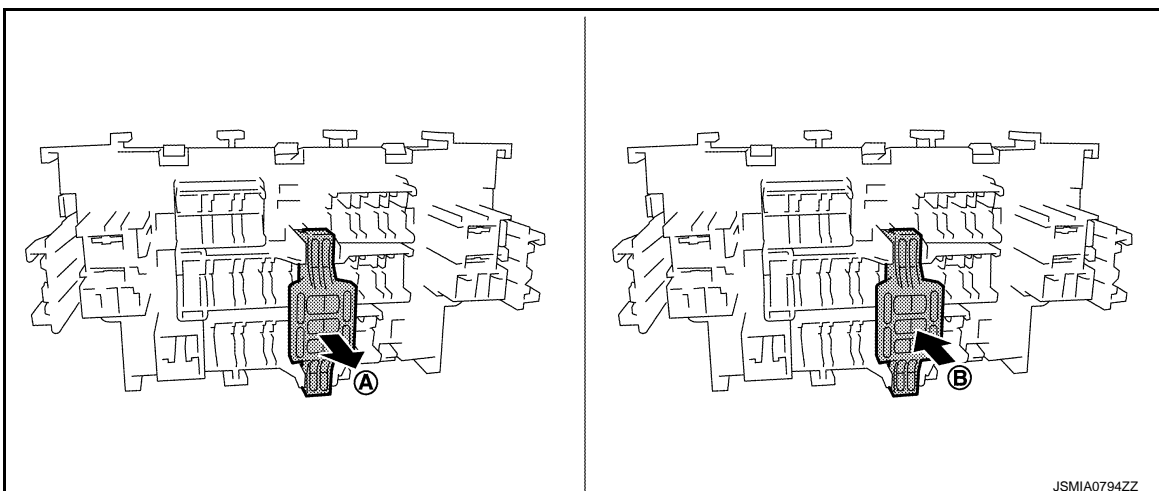
- To turn the extended storage fuse switch OFF, pull it up in (A) direction as shown in the figure.
- To turn the extended storage fuse switch ON, press it in (B) direction as shown in the figure.

- Type B



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

- Type C



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

## How To Remove Extended Storage Fuse Switch

Type A

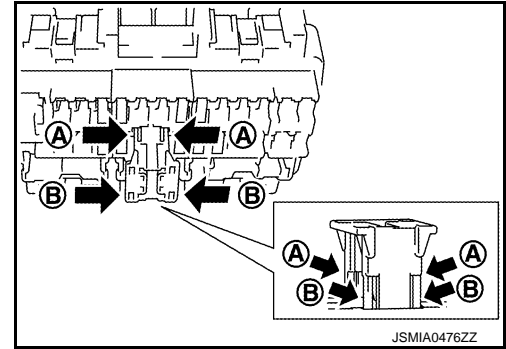
A  
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# POWER SUPPLY ROUTING CIRCUIT

## [POWER SUPPLY & GROUND CIRCUIT]

### < DTC/CIRCUIT DIAGNOSIS >

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

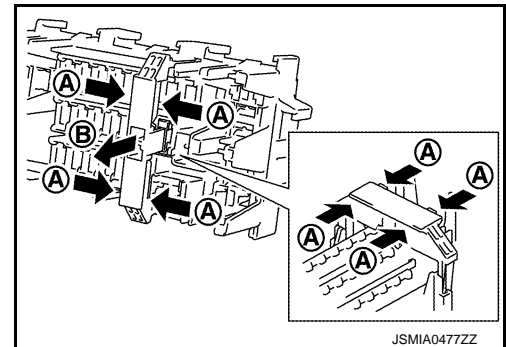


#### NOTE:

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

#### Type B

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

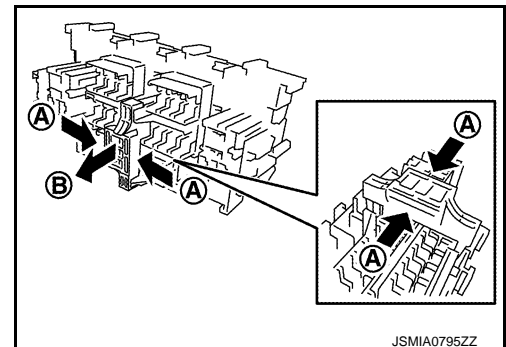


#### NOTE:

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

#### Type C

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



#### NOTE:

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

# POWER SUPPLY ROUTING CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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

## Fusible Link

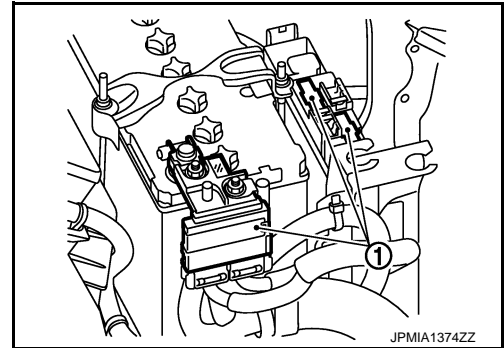
INFOID:000000009945581

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:

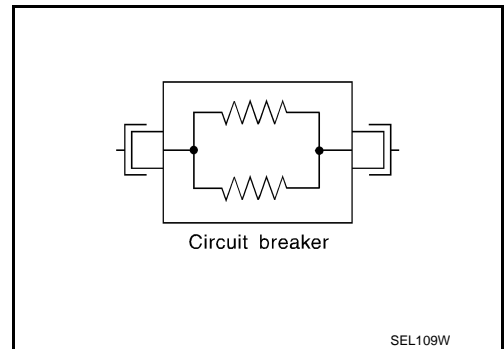
- If fusible link should melt, it is possible that critical circuit (power supply or large current carrying circuit) is shorted. In such a case, carefully check and eliminate cause of malfunction.
- Never wrap outside of fusible link with vinyl tape. Important: Never let fusible link touch any other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



## Circuit Breaker

INFOID:000000009945582

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.



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# OPTION HARNESS

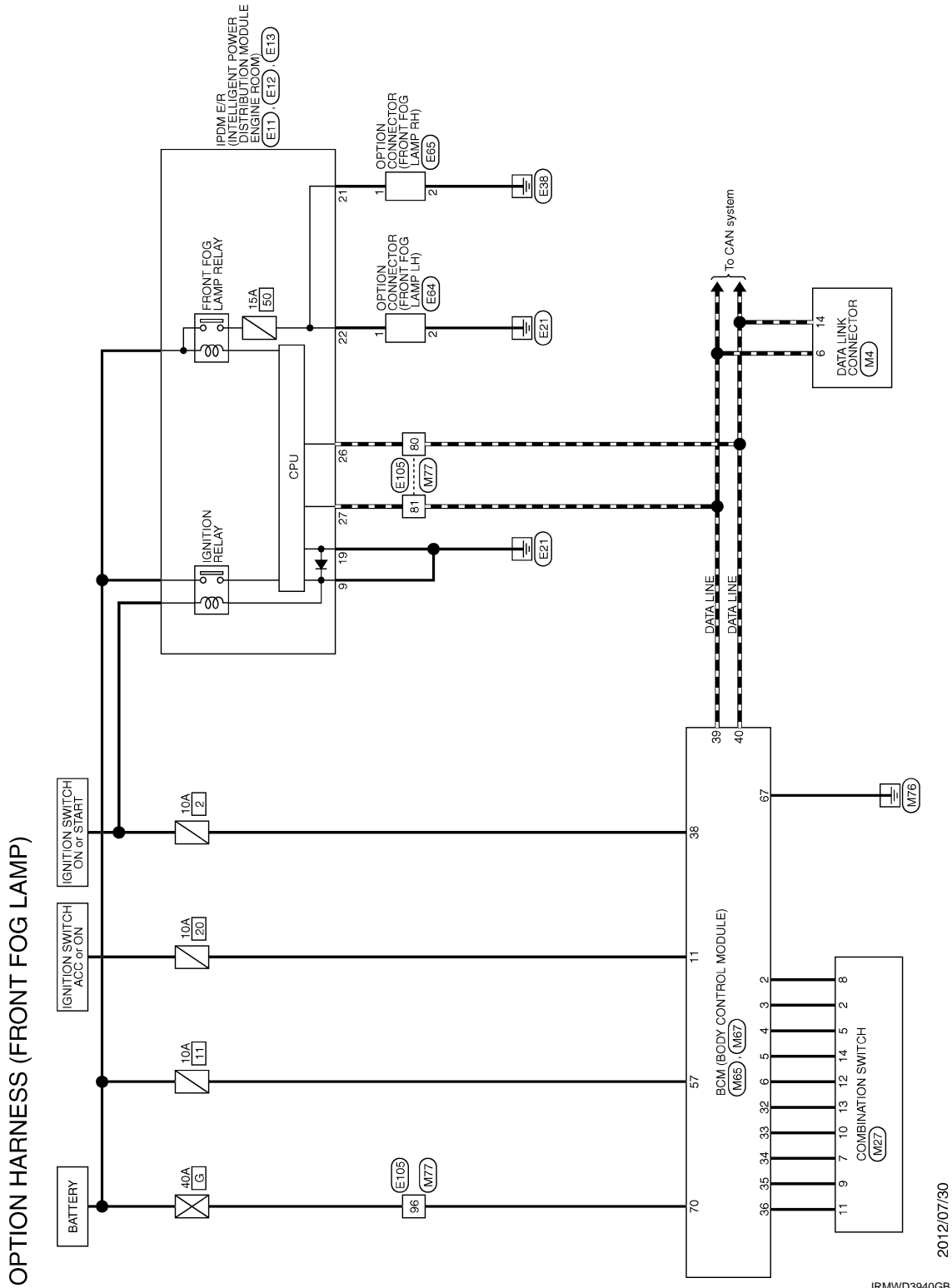
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## OPTION HARNESS

### Wiring Diagram - OPTION HARNESS -

INFOID:000000009945583





# OPTION HARNESS

< DTC/CIRCUIT DIAGNOSIS >

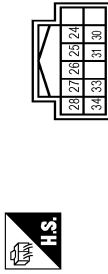
[POWER SUPPLY & GROUND CIRCUIT]

## OPTION HARNESS (FRONT FOG LAMP)

|                |   |
|----------------|---|
| Connector No.  | E11   |
| Connector Name | POWER INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM) |
| Connector Type | M06FELC   |

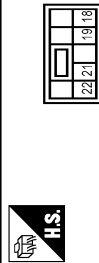


|                |   |
|----------------|---|
| Connector No.  | E13   |
| Connector Name | POWER INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM) |
| Connector Type | TH12FM-NH   |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 9            | BR            | -                           |
| 10           | BL            | -                           |
| 13           | W             | -                           |

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



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 18           | Y             | -                           |
| 19           | BR            | -                           |
| 21           | W             | -                           |
| 22           | V             | -                           |

|                |                                      |
|----------------|--------------------------------------|
| Connector No.  | E65                                  |
| Connector Name | OPTION CONNECTOR (FRONT FOG LAMP RH) |
| Connector Type | FCL240PC023S4019                     |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | W             | -                           |
| 2            | BY            | -                           |

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



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | V             | -                           |
| 2            | W             | -                           |
| 3            | SB            | -                           |
| 4            | G             | -                           |
| 5            | P             | -                           |
| 6            | L             | - [With NAVI]               |
| 7            | Y             | - [Without NAVI]            |
| 8            | O             | -                           |
| 9            | W             | -                           |
| 10           | SB            | -                           |
| 31           | V             | -                           |
| 32           | R             | -                           |
| 33           | GR            | -                           |
| 34           | P             | -                           |
| 35           | Y             | -                           |
| 36           | BR            | -                           |

|     |        |              |
|-----|--------|--------------|
| 39  | SB     | -            |
| 44  | R      | -            |
| 45  | V      | -            |
| 46  | P      | -            |
| 48  | L      | -            |
| 51  | B      | - [With M/T] |
| 51  | BR     | - [With CVT] |
| 53  | SB     | -            |
| 54  | O      | - [With M/T] |
| 54  | W      | - [With CVT] |
| 57  | LG     | -            |
| 59  | L      | -            |
| 60  | O      | -            |
| 61  | G      | -            |
| 62  | W      | -            |
| 63  | L      | -            |
| 65  | L      | -            |
| 67  | GR     | - [With CVT] |
| 67  | V      | - [With M/T] |
| 69  | P      | -            |
| 70  | SHIELD | -            |
| 71  | GR     | -            |
| 72  | LG     | -            |
| 73  | P      | -            |
| 74  | V      | -            |
| 76  | Y      | -            |
| 77  | LG     | -            |
| 78  | O      | -            |
| 79  | G      | -            |
| 80  | P      | -            |
| 81  | L      | -            |
| 82  | W      | -            |
| 83  | BR     | -            |
| 84  | B      | -            |
| 91  | W      | -            |
| 92  | Y      | -            |
| 93  | Y      | -            |
| 94  | R      | -            |
| 95  | V      | -            |
| 96  | LG     | -            |
| 97  | R      | -            |
| 98  | SB     | -            |
| 99  | G      | -            |
| 100 | P      | -            |

A  
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PG

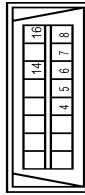
# OPTION HARNESS

## [POWER SUPPLY & GROUND CIRCUIT]

< DTC/CIRCUIT DIAGNOSIS >

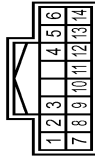
### OPTION HARNESS (FRONT FOG LAMP)

|                |                     |
|----------------|---------------------|
| Connector No.  | M4                  |
| Connector Name | DATA LINK CONNECTOR |
| Connector Type | BD16FV              |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 4            | B             | -                           |
| 5            | B             | -                           |
| 6            | L             | -                           |
| 7            | GR            | -                           |
| 8            | GR            | -                           |
| 14           | D             | -                           |
| 16           | LG/R          | -                           |

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



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

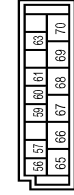
|    |   |          |
|----|---|----------|
| 14 | G | OUTPUT 2 |
|----|---|----------|

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



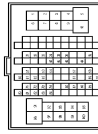
| Terminal No. | Color Of Wire | Signal Name [Specification]         |
|--------------|---------------|-------------------------------------|
| 2            | BR/W          | COMBI SW INPUT 5                    |
| 3            | GR            | COMBI SW INPUT 4                    |
| 4            | L/Y           | COMBI SW INPUT 3                    |
| 5            | G             | COMBI SW INPUT 2                    |
| 6            | L/R           | COMBI SW INPUT 1                    |
| 7            | W/B           | KEY CYL LOCK SW                     |
| 8            | W/B           | STOP LAMP SW                        |
| 9            | R             | KEY CYL UNLOCK SW                   |
| 10           | W/L           | REAR WINDOW DEFROGGER SW            |
| 11           | L/Y           | ACC POWER SUPPLY                    |
| 12           | SB            | PASSENGER DOOR SW                   |
| 13           | GR/L          | REAR RH DOOR SW                     |
| 18           | V             | RECEIVER / SENSOR GND               |
| 19           | BR            | KEYLESS ENTRY RECEIVER POWER SUPPLY |
| 20           | G/Y           | KEYLESS ENTRY RECEIVER COMM         |
| 21           | P/L           | NATS ANTENNA AMP.                   |
| 23           | R/Y           | SECURITY INDICATOR LAMP             |
| 25           | LG            | NATS ANTENNA AMP.                   |
| 26           | GR            | THERMO CONTROL AMP.                 |
| 27           | Y/G           | A/C SW                              |
| 28           | G/W           | BLOWER FAN SW                       |
| 29           | L/W           | HAZARD SW                           |
| 31           | G/Y           | FR DEFROSTER SW                     |
| 32           | LG            | COMBI SW OUTPUT 5                   |
| 33           | Y/L           | COMBI SW OUTPUT 4                   |
| 34           | W             | COMBI SW OUTPUT 3                   |
| 35           | R/L           | COMBI SW OUTPUT 2                   |
| 36           | L/O           | COMBI SW OUTPUT 1                   |
| 37           | R/W           | KEY SWITCH                          |
| 38           | O             | IGNITION POWER SUPPLY               |
| 39           | L             | CANH                                |
| 40           | P             | CANL                                |

|                |                           |
|----------------|---------------------------|
| Connector No.  | M67                       |
| Connector Name | BCM (BODY CONTROL MODULE) |
| Connector Type | FEA09FB-FHAG-SA           |



| Terminal No. | Color Of Wire | Signal Name [Specification]            |
|--------------|---------------|--|
| 56           | L             | INTERIOR ROOM LAMP POWER SUPPLY        |
| 57           | Y             | BAT (ELSE)                             |
| 59           | L/B           | DRIVER DOOR LOCK OUTPUT                |
| 60           | W/B           | TURN SIGNAL LH OUTPUT                  |
| 61           | W/L           | TURN SIGNAL RH OUTPUT                  |
| 63           | BR            | ROOM LAMP TIMER CONTROL                |
| 65           | V             | ALL DOOR LOCK OUTPUT                   |
| 66           | G             | PASSENGER DOOR REAR DOOR UNLOCK OUTPUT |
| 67           | B             | GROUND                                 |
| 68           | L             | POWER WINDOW POWER SUPPLY (IGN)        |
| 69           | P             | POWER WINDOW POWER SUPPLY (BAT)        |
| 70           | Y             | BAT (F/L)                              |

|                |                 |
|----------------|-----------------|
| Connector No.  | M77             |
| Connector Name | WIRE TO WIRE    |
| Connector Type | TH80FW-CS16-TM4 |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | B/O           | -                           |
| 2            | R             | -                           |
| 3            | G/R           | -                           |
| 4            | G/B           | -                           |
| 5            | L             | -                           |
| 6            | L             | -                           |
| 7            | W/R           | -                           |
| 8            | G/W           | -                           |

|     |        |   |
|-----|--------|---|
| 9   | Y/L    | - |
| 10  | W      | - |
| 31  | GR/L   | - |
| 32  | L/B    | - |
| 33  | R/Y    | - |
| 34  | SB     | - |
| 35  | BR     | - |
| 36  | G      | - |
| 39  | L/R    | - |
| 44  | G/O    | - |
| 45  | LG/R   | - |
| 46  | GR/W   | - |
| 48  | L/O    | - |
| 51  | B/W    | - |
| 53  | R/L    | - |
| 54  | O      | - |
| 57  | GR     | - |
| 59  | Y      | - |
| 60  | R/W    | - |
| 61  | P/W    | - |
| 62  | W/L    | - |
| 63  | W/B    | - |
| 67  | Y/R    | - |
| 69  | LG     | - |
| 70  | SHIELD | - |
| 71  | P/B    | - |
| 72  | R/G    | - |
| 73  | R      | - |
| 74  | L/Y    | - |
| 76  | W/G    | - |
| 77  | GR/R   | - |
| 78  | O      | - |
| 79  | LG     | - |
| 80  | P      | - |
| 81  | L      | - |
| 82  | GR     | - |
| 83  | G/R    | - |
| 84  | B      | - |
| 91  | R      | - |
| 92  | O      | - |
| 93  | Y      | - |
| 94  | R/B    | - |
| 95  | L/W    | - |
| 96  | Y      | - |
| 97  | L      | - |
| 98  | BR/W   | - |
| 99  | W      | - |
| 100 | GR     | - |

# HARNESS LAYOUT

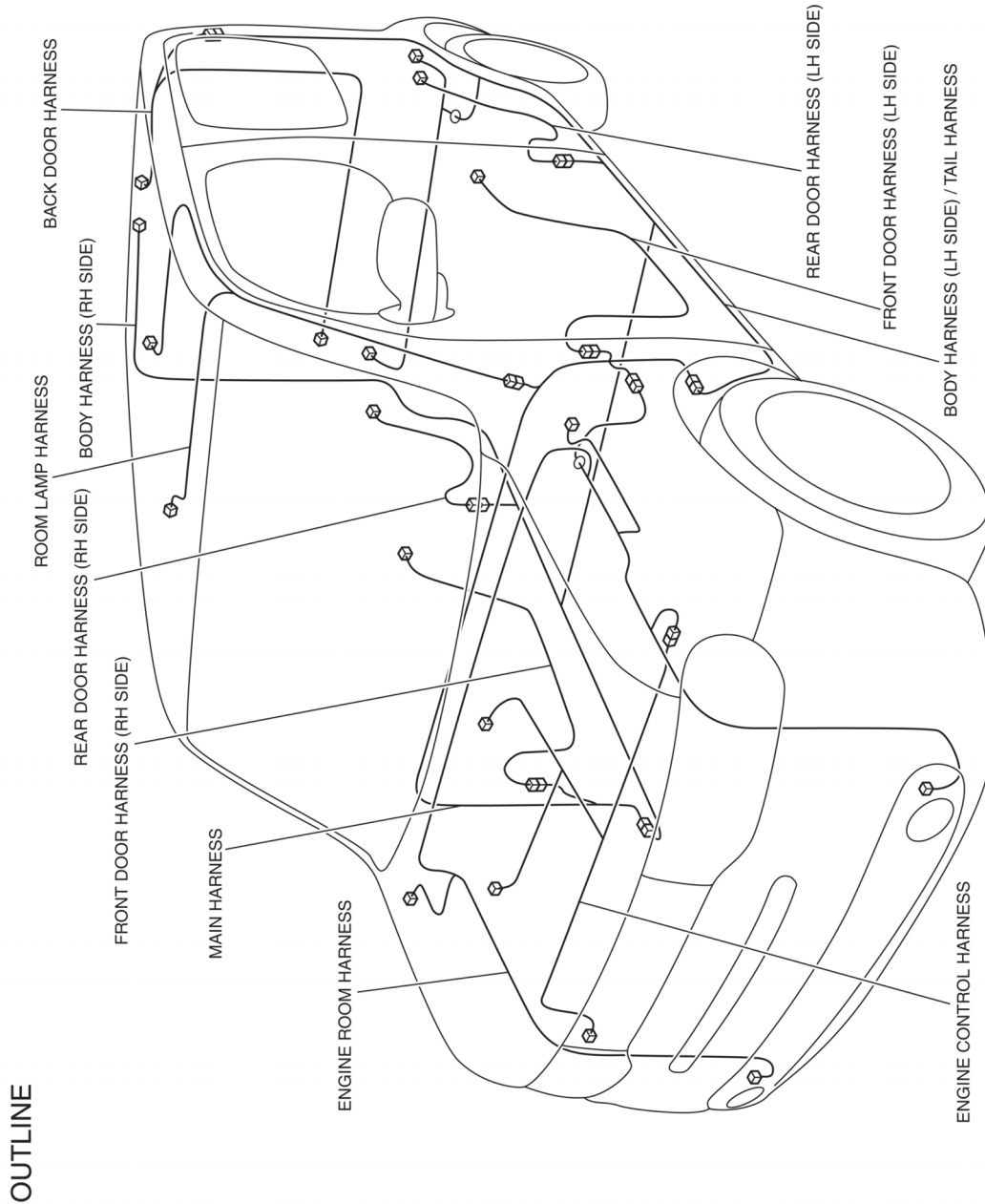
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## HARNESS LAYOUT

### Outline

INFOID:000000009945585



OUTLINE

A  
B  
C  
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PG

2012/07/30

JRMIC2011GB

# HARNES LAYOUT

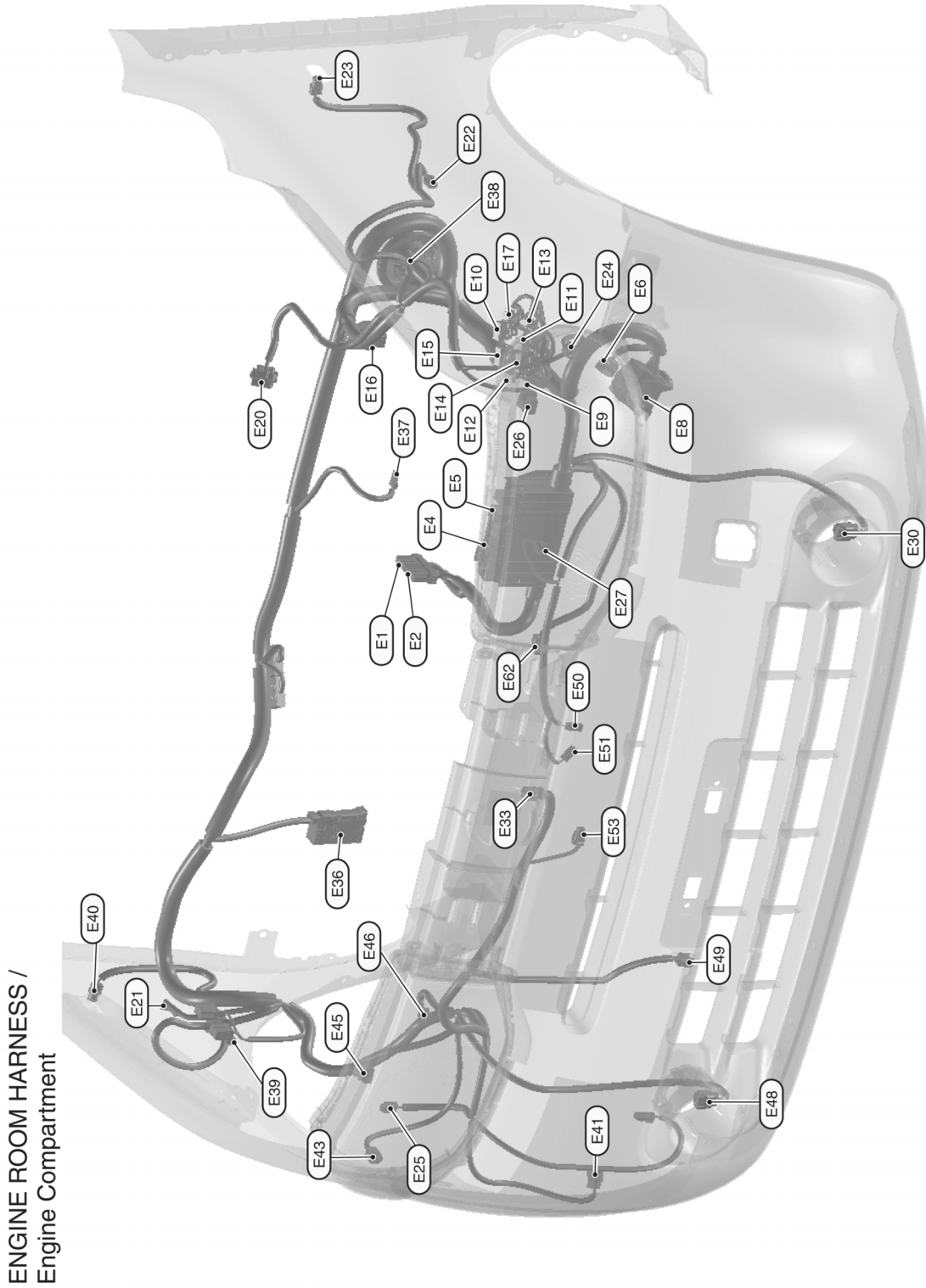
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Engine Room Harness

INFOID:000000009945586

### ENGINE COMPARTMENT



ENGINE ROOM HARNESS /  
Engine Compartment

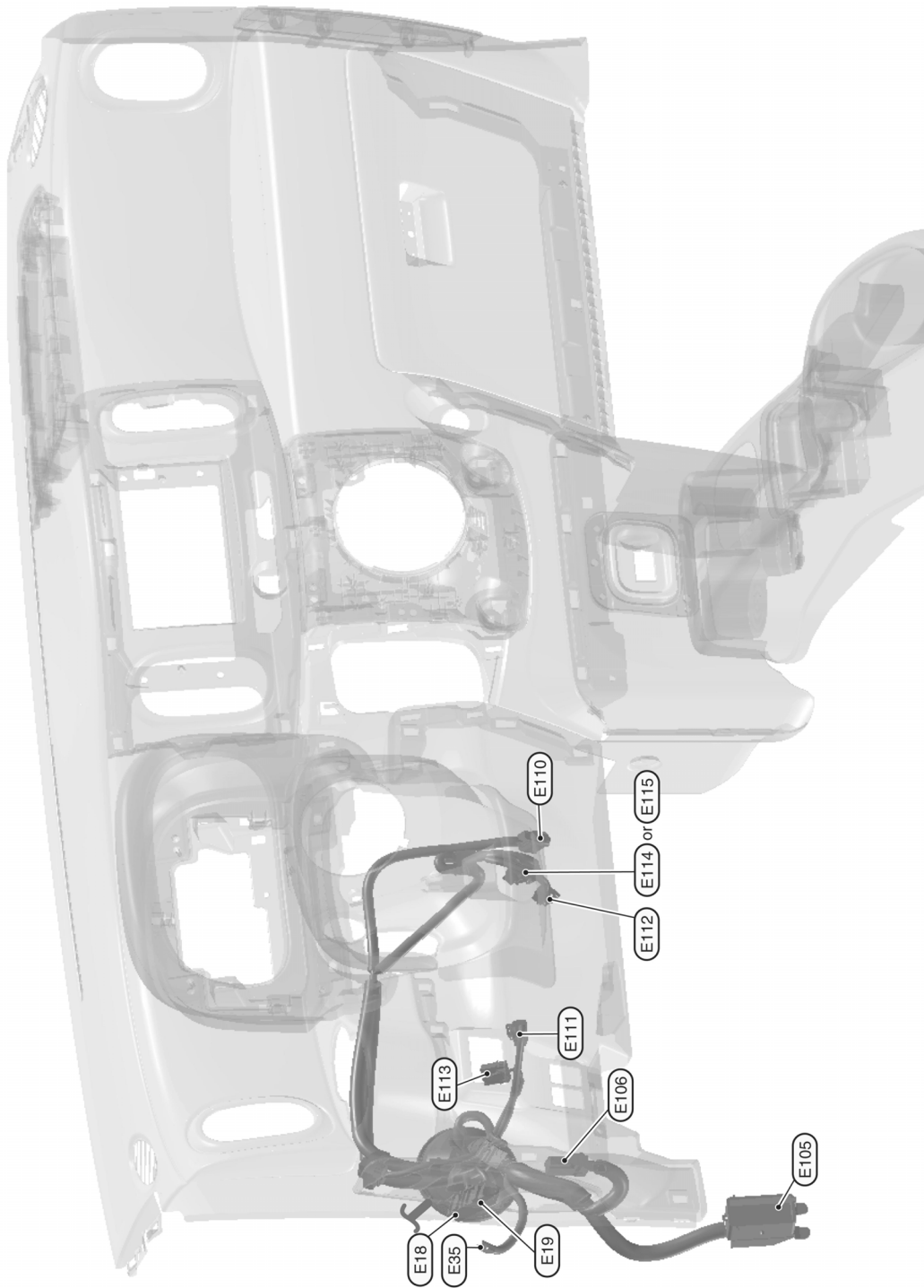
JRMIC3911GB  
2013/09/19

# HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >  
PASSENGER COMPARTMENT

[POWER SUPPLY & GROUND CIRCUIT]

Passenger Compartment



A  
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2012/07/30

JRMIC2035GB

# HARNESS LAYOUT

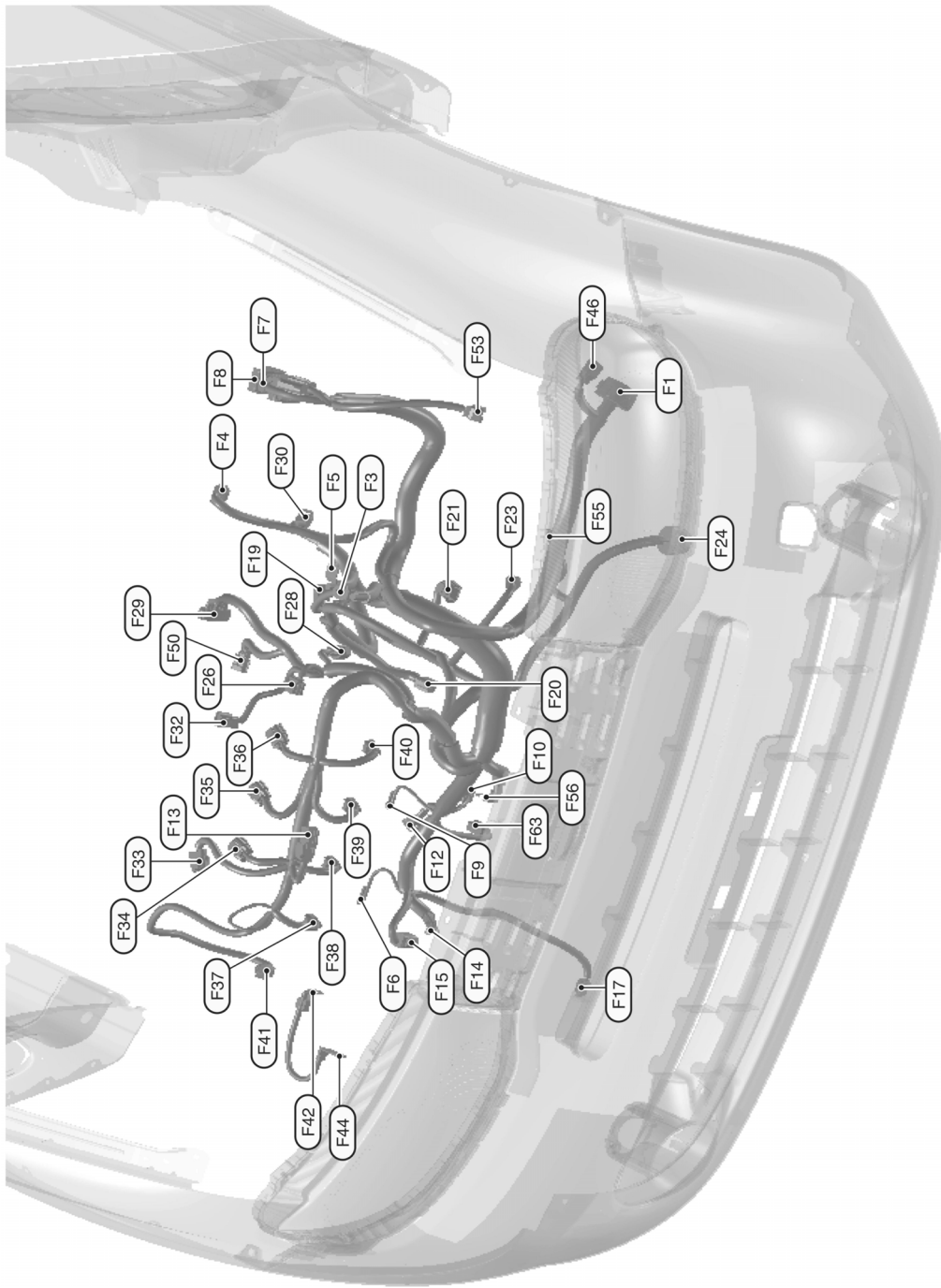
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Engine Control Harness

INFOID:000000009945587

ENGINE CONTROL HARNESS



2013/09/19

JRMIC3912GB

# HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Main Harness

INFOID:000000009945588



MAIN HARNESS

2013/09/19

JRMIC3910GB

# HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

Body Harness / Tail Harness

INFOID:000000009945589

BODY HARNESS (LH SIDE) / TAIL HARNESS

BODY HARNESS (LH SIDE) / TAIL HARNESS



2013/09/19

JRMIC3913GB

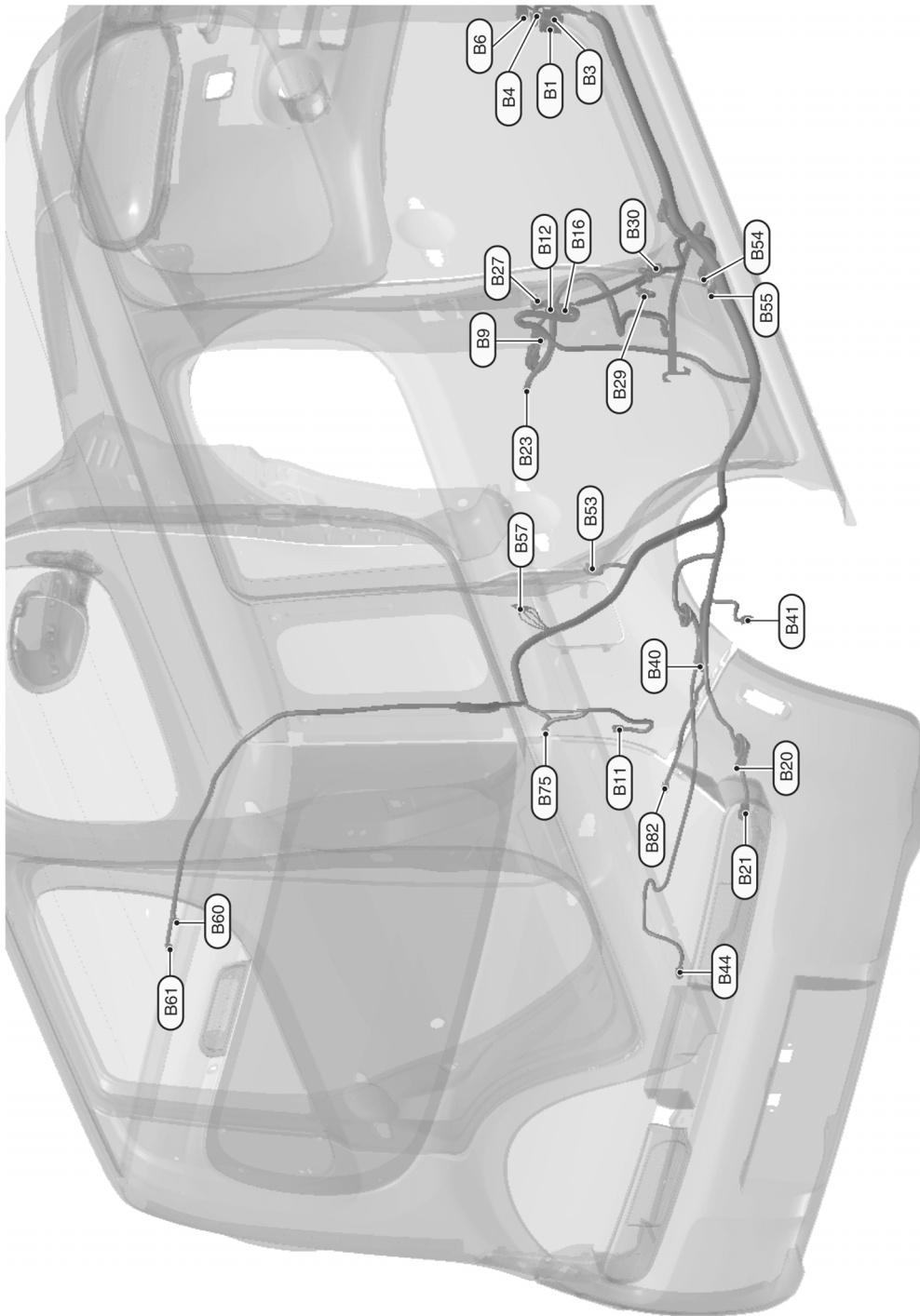


# HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

BODY HARNESS (RH SIDE)



BODY HARNESS (RH SIDE)

2013/09/19

JRMIC3914GB

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# HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

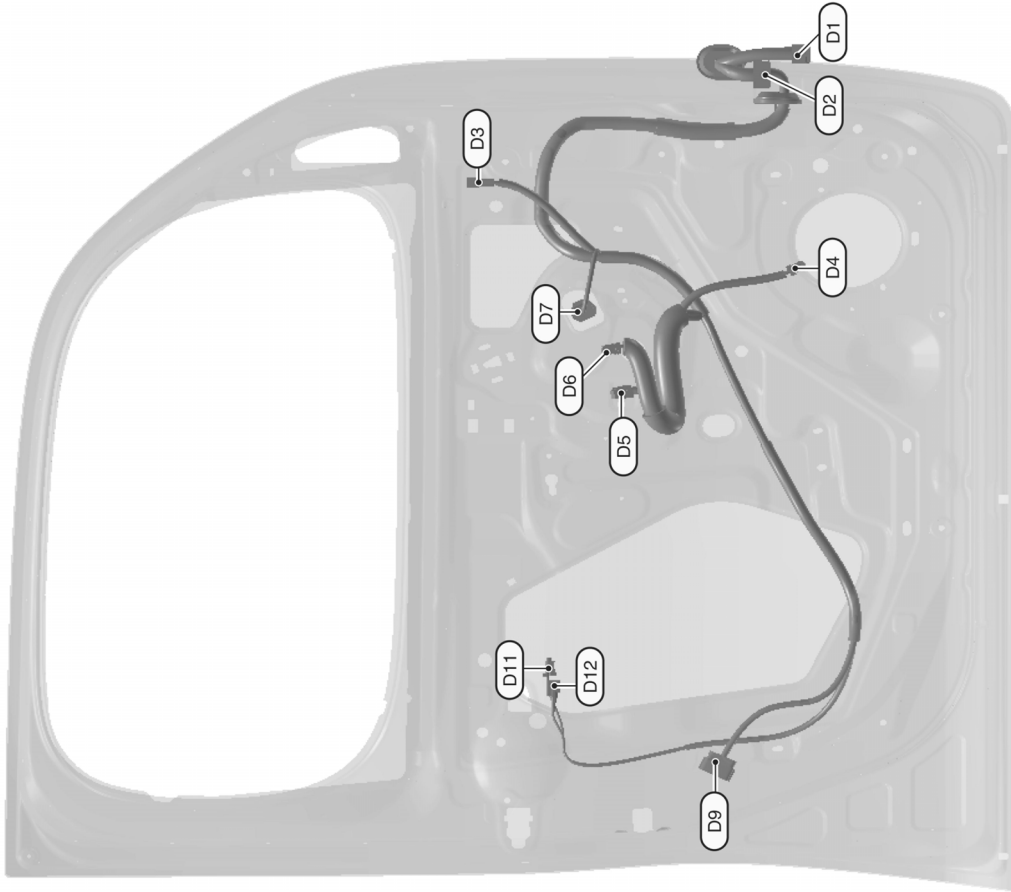
[POWER SUPPLY & GROUND CIRCUIT]

## Door Harness

INFOID:000000009945590

### FRONT DOOR HARNESS (LH SIDE)

FRONT DOOR HARNESS (LH SIDE)



2012/07/30

JRMIC2018GB

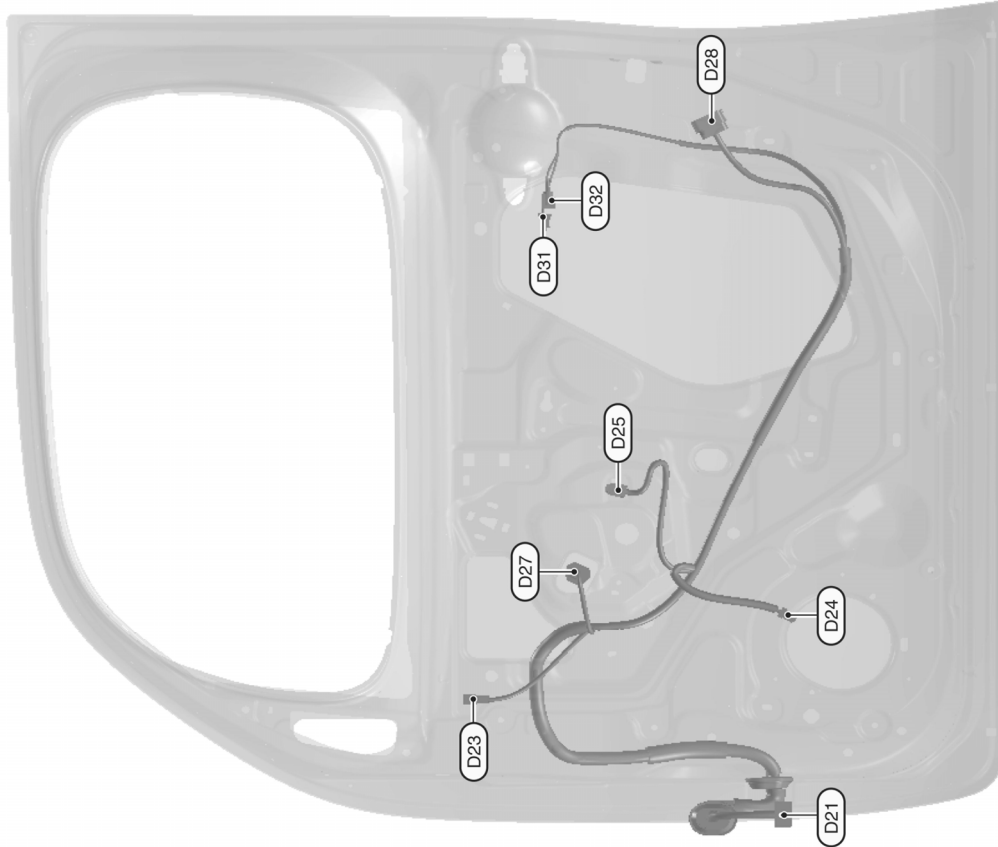
# HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## FRONT DOOR HARNESS (RH SIDE)

FRONT DOOR HARNESS (RH SIDE)



JRMIC2019GB  
2012/07/30

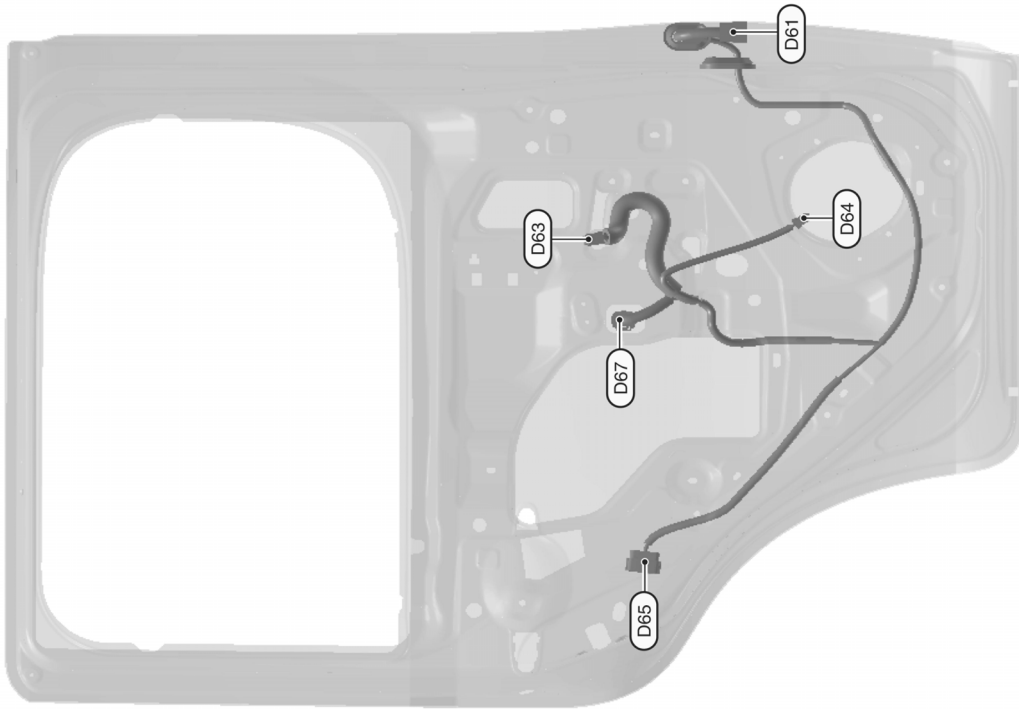
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# HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

REAR DOOR HARNESS (LH SIDE)



REAR DOOR HARNESS (LH SIDE)

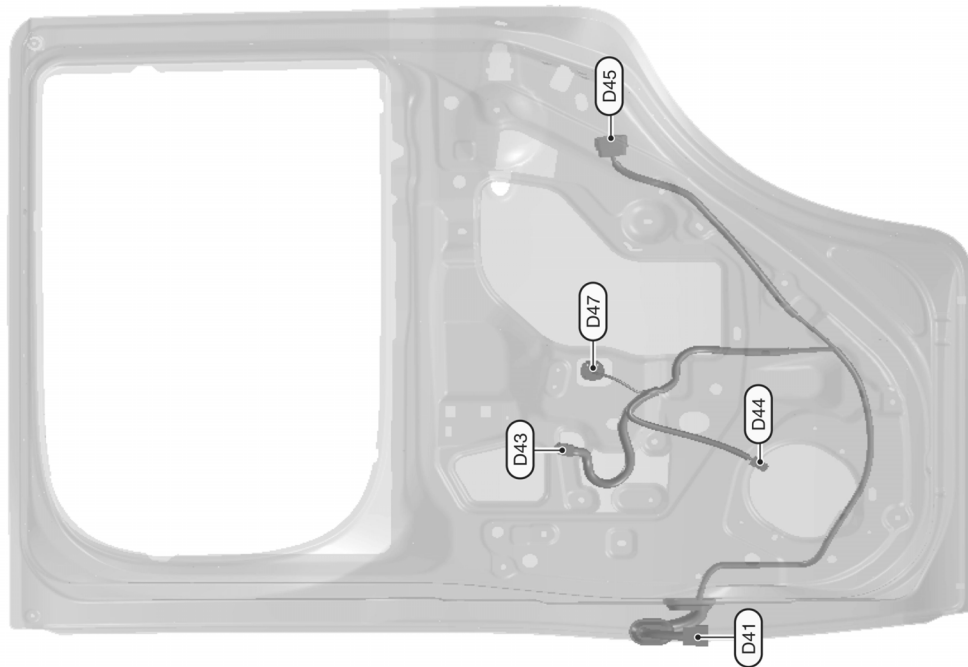
JRMIC2020GB  
2012/07/30

# HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

REAR DOOR HARNESS (RH SIDE)



REAR DOOR HARNESS (RH SIDE)

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2012/07/30

JRMIC2021GB

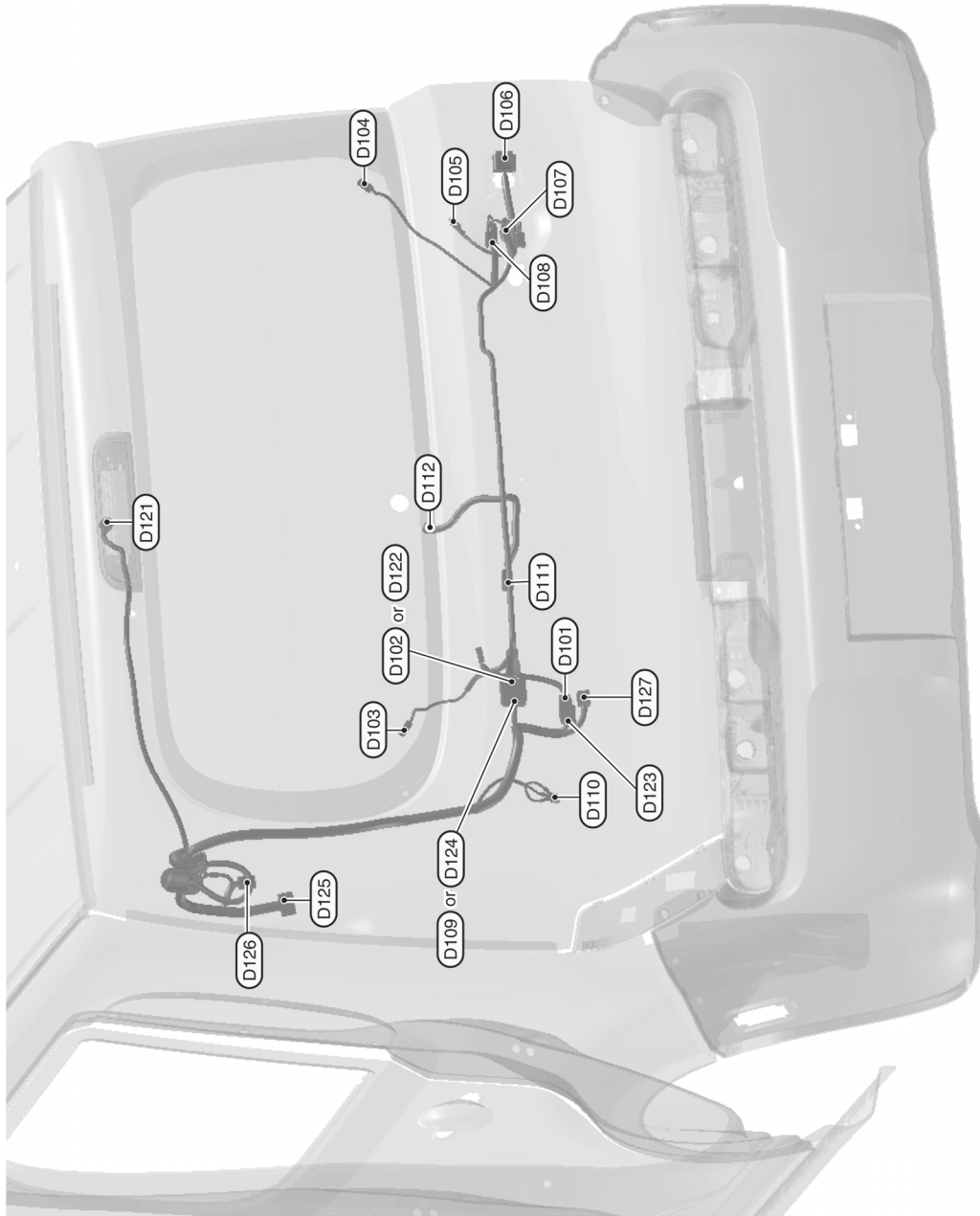
# HARNESS LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## BACK DOOR HARNESS

BACK DOOR HARNESS



2012/07/30

JRMIC2022GB

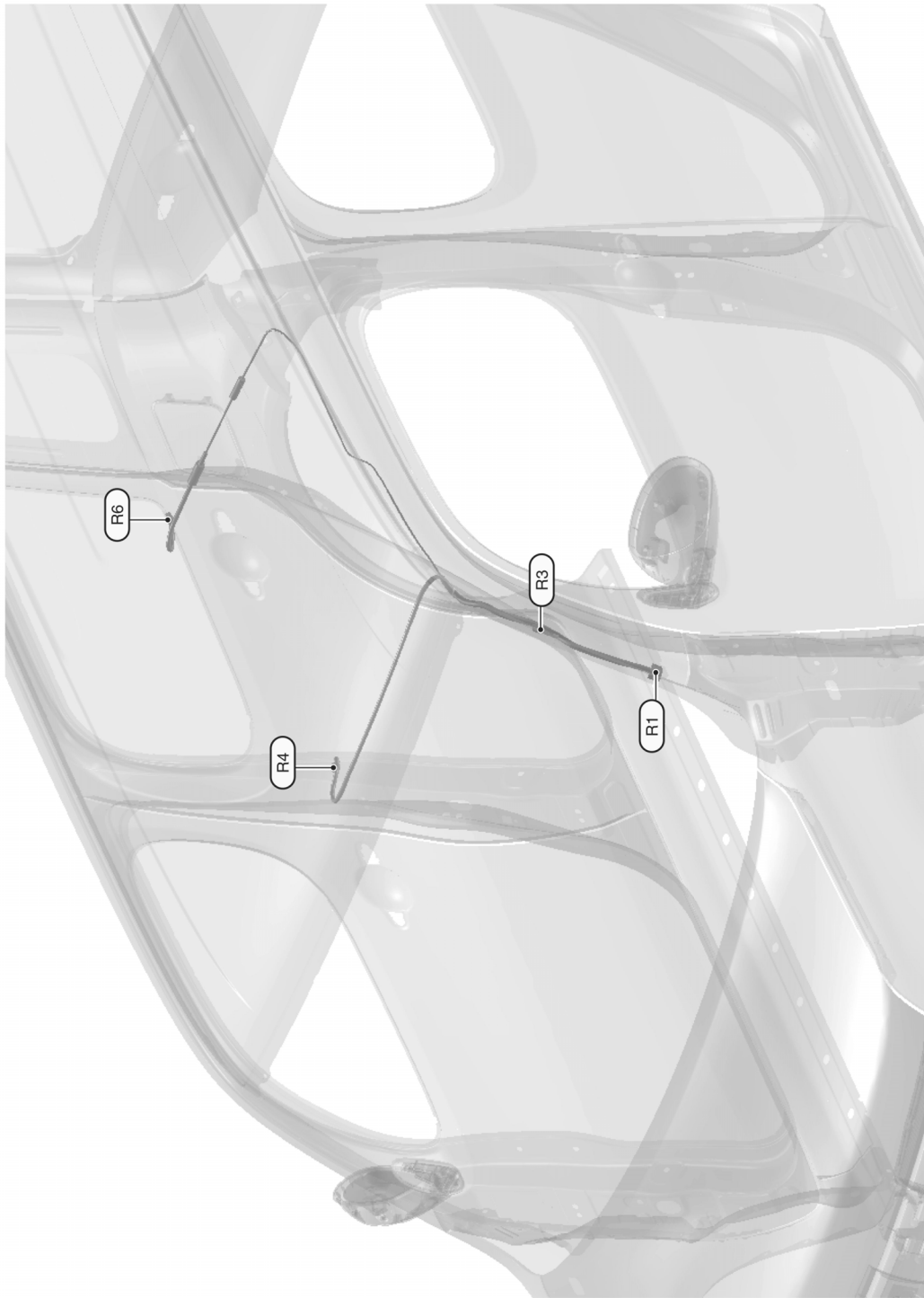
# HARNES LAYOUT

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

## Room Lamp Harness

INFOID:000000009945591



ROOM LAMP HARNESS

- A
- B
- C
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- E
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- G
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- I
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- PG**
- N
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2012/07/30

JRMIC2017GB

## HARNESS CONNECTOR

### Description

INFOID:000000009945600

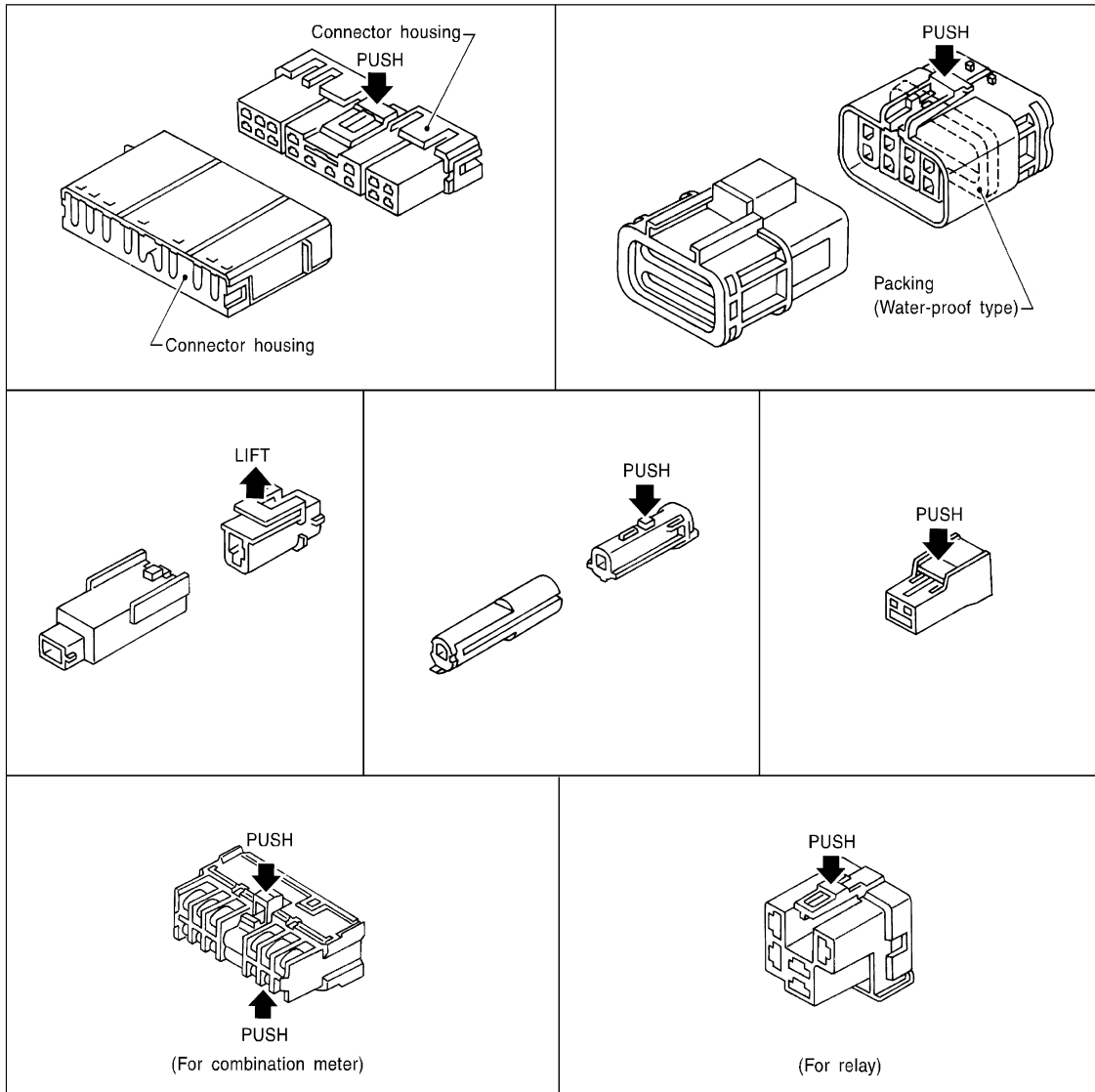
#### HARNESS CONNECTOR (TAB-LOCKING TYPE)

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

**CAUTION:**

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

[Example]



SEL769DA

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

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



# HARNESS CONNECTOR

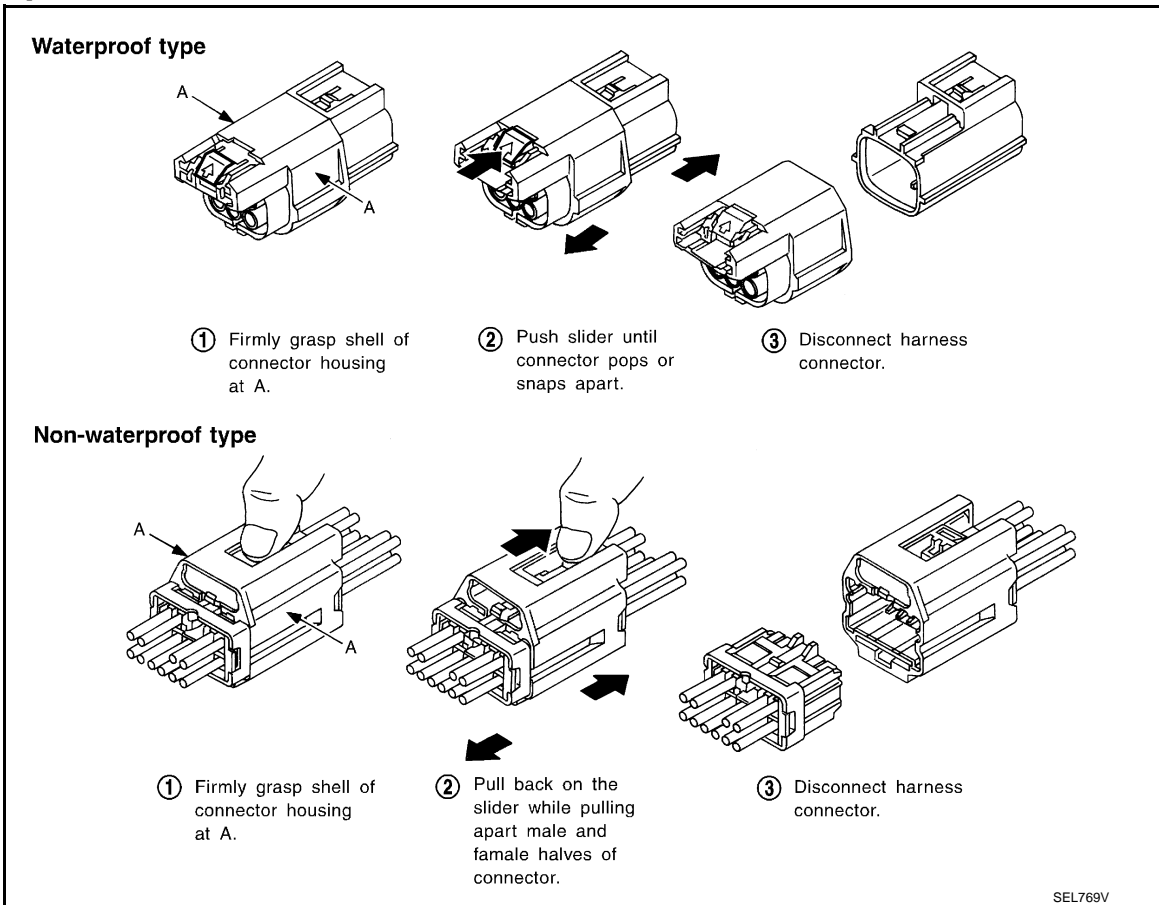
< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

**CAUTION:**

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

[Example]



## HARNESS CONNECTOR (LEVER LOCKING TYPE)

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

**CAUTION:**

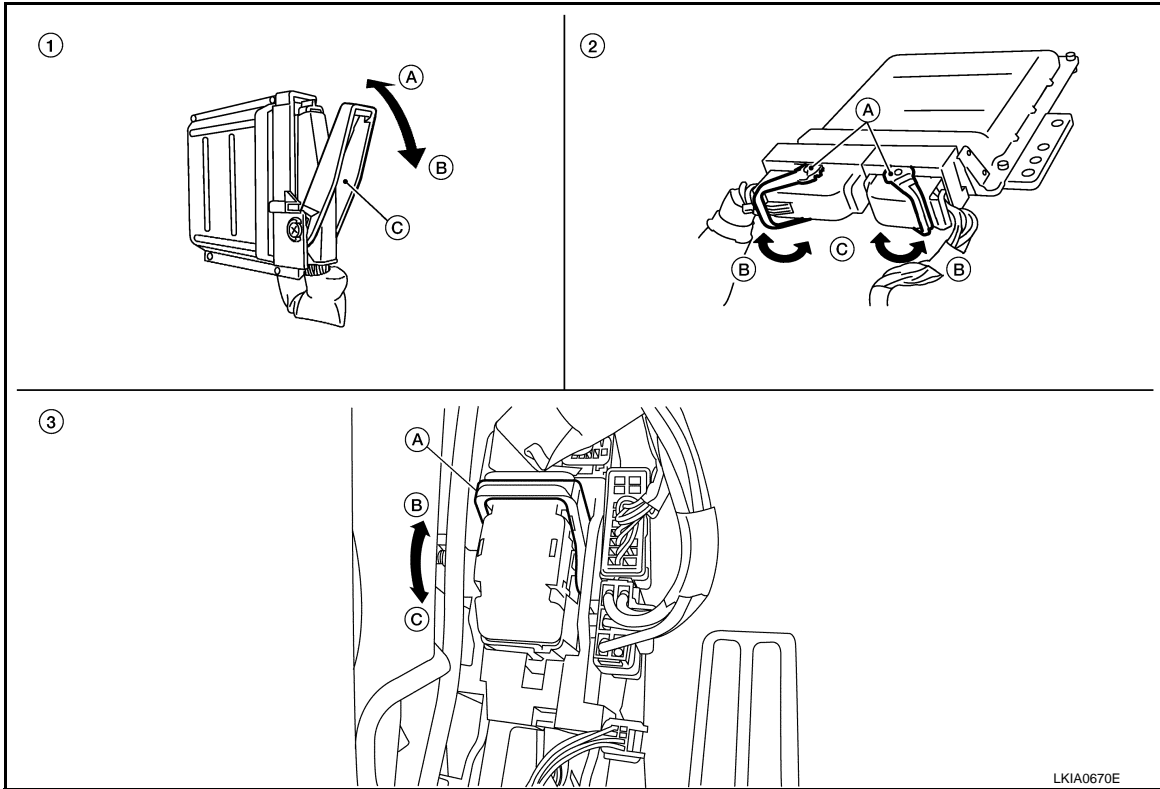
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# HARNESS CONNECTOR

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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



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

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

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

# STANDARDIZED RELAY

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

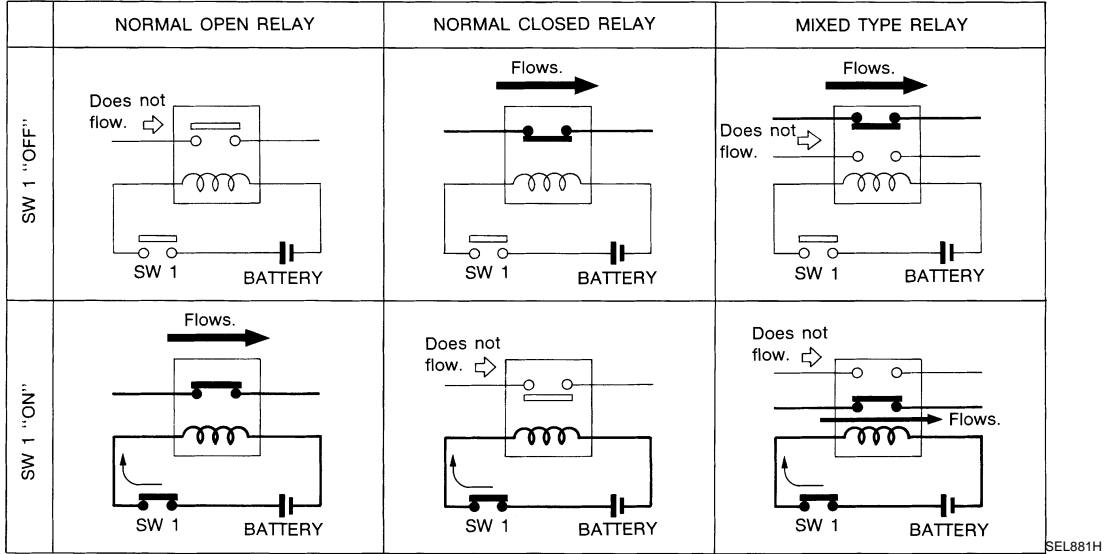
## STANDARDIZED RELAY

### Description

INFOID:000000009945601

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

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



SEL881H

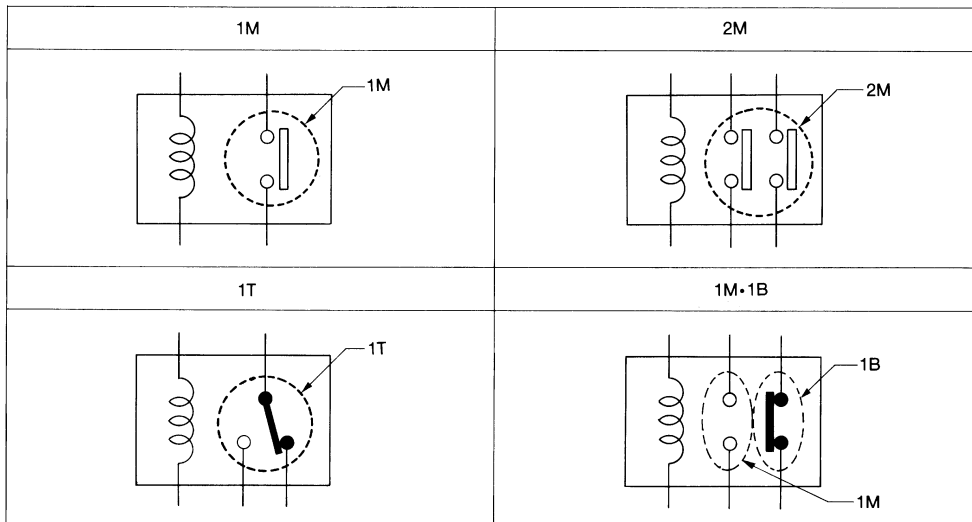
### TYPE OF STANDARDIZED RELAYS

1M ..... 1 Make

2M ..... 2 Make

1T ..... 1 Transfer

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

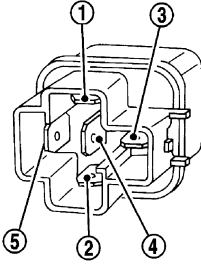
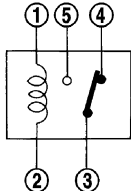
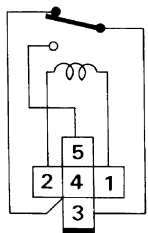
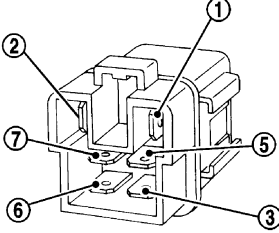
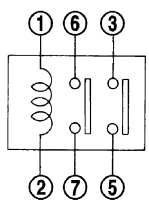
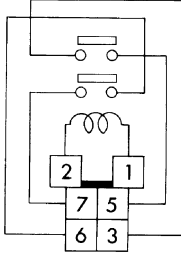
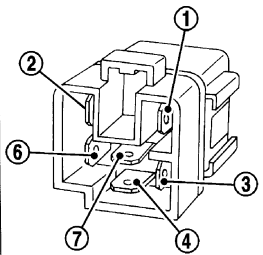
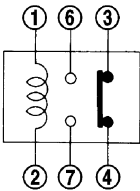
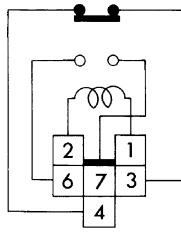
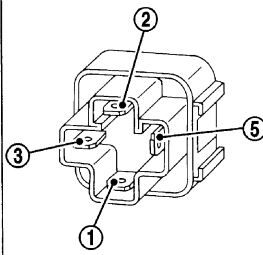
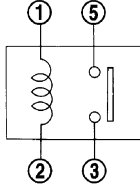
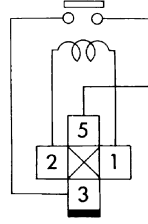
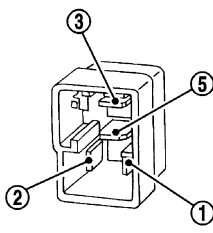
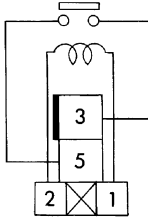


SEL882H

# STANDARDIZED RELAY

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

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

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

SEL188W

# FUSE BLOCK - JUNCTION BOX (J/B)

< DTC/CIRCUIT DIAGNOSIS >

[POWER SUPPLY & GROUND CIRCUIT]

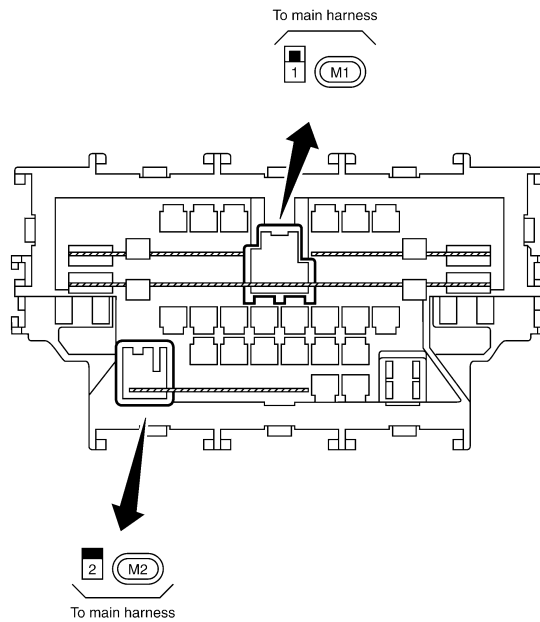
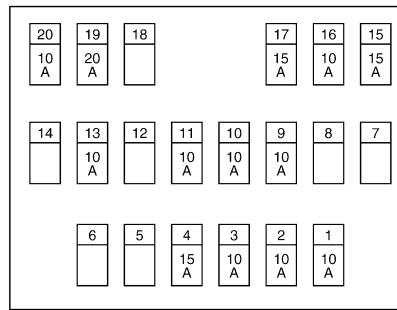
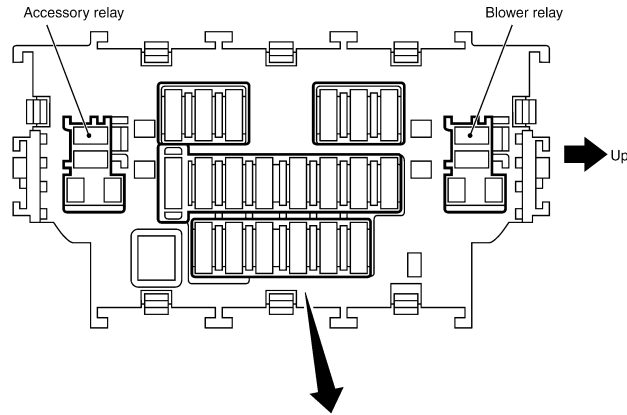
## FUSE BLOCK - JUNCTION BOX (J/B)

### Fuse, Connector and Terminal Arrangement

INFOID:000000009945602

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

#### Fuse, Connector and Terminal Arrangement



2013/09/19

JRMWE7741GB

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# FUSE, FUSIBLE LINK AND RELAY BOX

< DTC/CIRCUIT DIAGNOSIS >

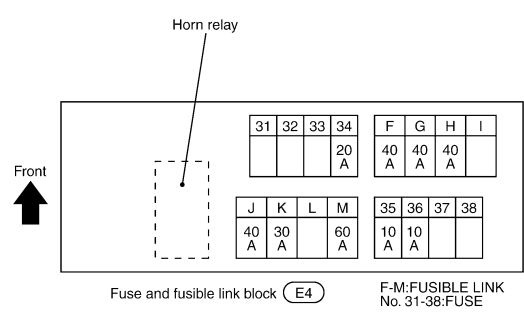
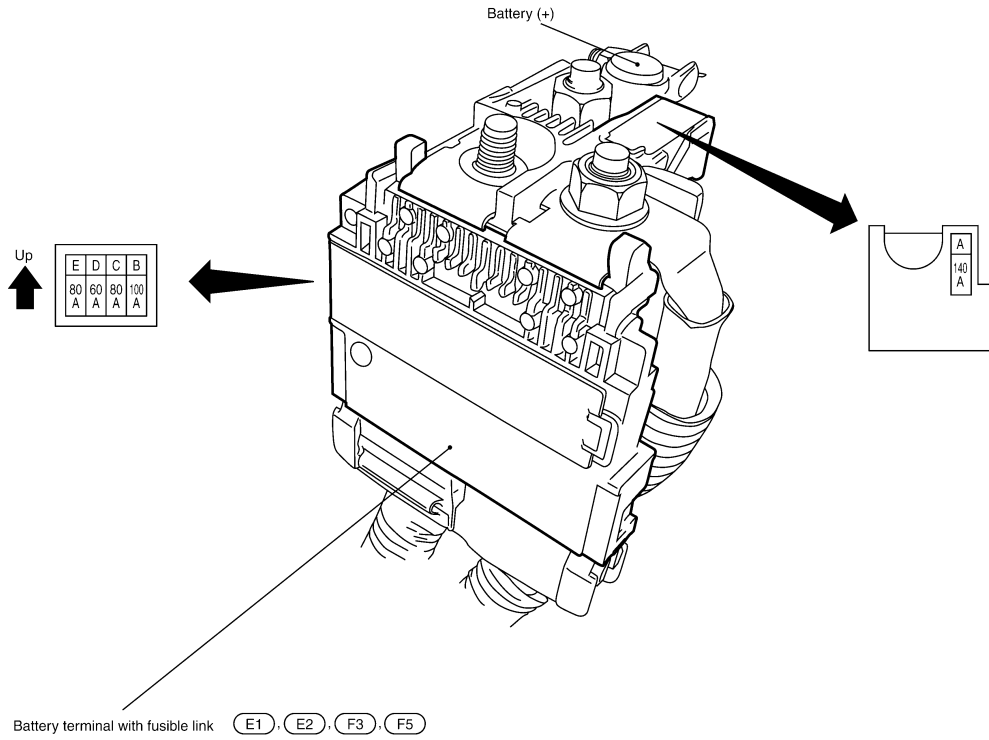
[POWER SUPPLY & GROUND CIRCUIT]

## FUSE, FUSIBLE LINK AND RELAY BOX

### Fuse and Fusible Link Arrangement

INFOID:000000009945603

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



2013/09/19

JRMWE7742GB

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

< DTC/CIRCUIT DIAGNOSIS >

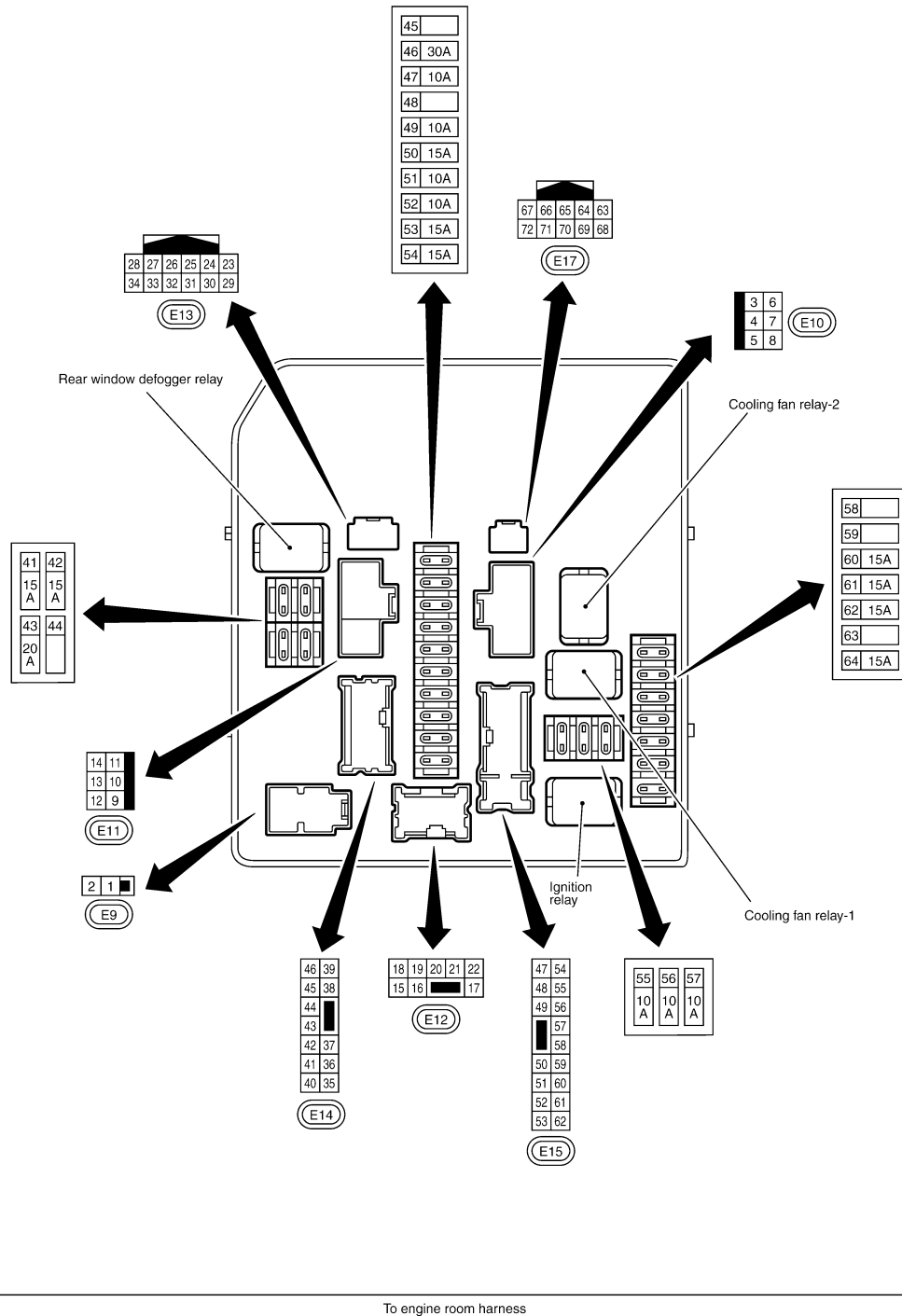
[POWER SUPPLY & GROUND CIRCUIT]

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

### Fuse, Connector and Terminal Arrangement

INFOID:000000009945604

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



To engine room harness

2013/09/19

JRMWE7743GB

# PRECAUTIONS

< PRECAUTION >

[POWER SUPPLY & GROUND CIRCUIT]

## PRECAUTION

### PRECAUTIONS

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

INFOID:000000009945605

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

#### **WARNING:**

Always observe the following items for preventing accidental activation.

- To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision that would result in air bag inflation, all maintenance must be performed by an authorized NISSAN/INFINITI dealer.
- Improper maintenance, including incorrect removal and installation of the SRS, can lead to personal injury caused by unintentional activation of the system. For removal of Spiral Cable and Air Bag Module, see "SRS AIR BAG".
- Never use electrical test equipment on any circuit related to the SRS unless instructed to in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harnesses or harness connectors.

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

#### **WARNING:**

Always observe the following items for preventing accidental activation.

- When working near the Air Bag Diagnosis Sensor Unit or other Air Bag System sensors with the ignition ON or engine running, never use air or electric power tools or strike near the sensor(s) with a hammer. Heavy vibration could activate the sensor(s) and deploy the air bag(s), possibly causing serious injury.
- When using air or electric power tools or hammers, always switch the ignition OFF, disconnect the battery, and wait at least 3 minutes before performing any service.

#### Precautions for Removing of Battery Terminal

INFOID:000000010248509

- When removing the 12V battery terminal, turn OFF the ignition switch and wait at least 30 seconds.

#### **NOTE:**

ECU may be active for several tens of seconds after the ignition switch is turned OFF. If the battery terminal is removed before ECU stops, then a DTC detection error or ECU data corruption may occur.

- For vehicles with the 2-batteries, be sure to connect the main battery and the sub battery before turning ON the ignition switch.

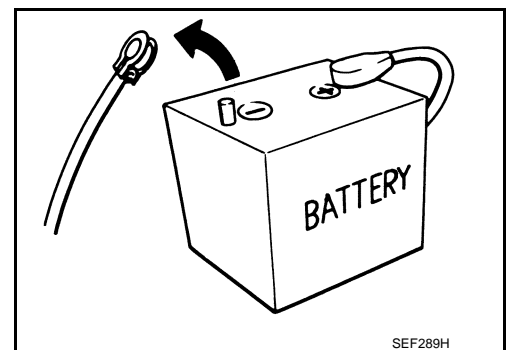
#### **NOTE:**

If the ignition switch is turned ON with any one of the terminals of main battery and sub battery disconnected, then DTC may be detected.

- After installing the 12V battery, always check "Self Diagnosis Result" of all ECUs and erase DTC.

#### **NOTE:**

The removal of 12V battery may cause a DTC detection error.



SEF289H



# PREPARATION

## [POWER SUPPLY & GROUND CIRCUIT]

< PREPARATION >

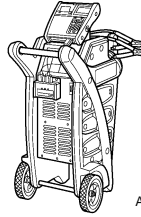
# PREPARATION

## PREPARATION

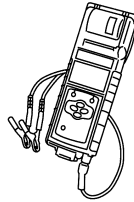
### Special Service Tools

INFOID:000000009945606

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



AWI1A1239ZZ



JSMIA0806ZZ

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# BATTERY

< REMOVAL AND INSTALLATION >

[POWER SUPPLY & GROUND CIRCUIT]

## REMOVAL AND INSTALLATION

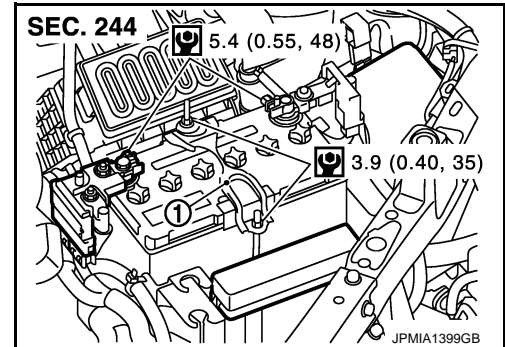
### BATTERY

#### Exploded View

INFOID:000000009945607

1 : Battery fix frame

Refer to [GI-4, "Components"](#) for symbols in the figure.



#### Removal and Installation

INFOID:000000009945608

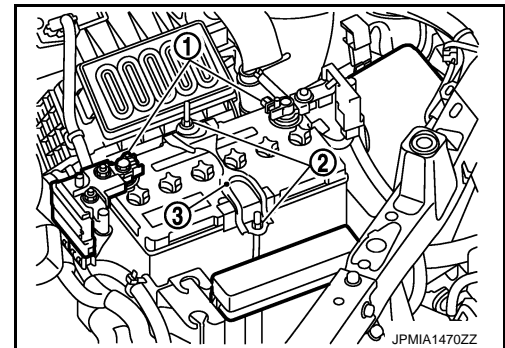
##### REMOVAL

1. Remove resonator.
2. Remove cover of battery positive terminal.
3. 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.**

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



##### INSTALLATION

Install in the reverse order of removal.

**CAUTION:**

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

Reset electronic systems as necessary. Refer to [GI-53, "ADDITIONAL SERVICE WHEN REMOVING BATTERY NEGATIVE TERMINAL : Required Procedure After Battery Disconnection"](#).

# BATTERY TERMINAL WITH FUSIBLE LINK

< REMOVAL AND INSTALLATION >

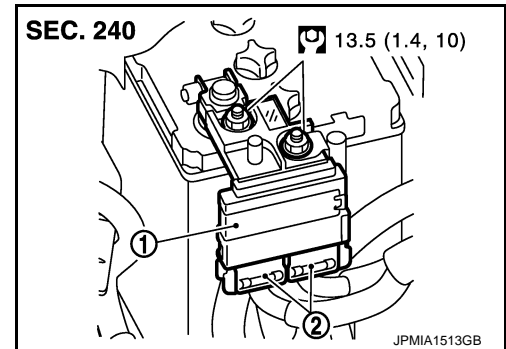
[POWER SUPPLY & GROUND CIRCUIT]

## BATTERY TERMINAL WITH FUSIBLE LINK

### Exploded View

INFOID:000000009945609

- 1 : Battery terminal with fusible link
  - 2 : Harness connector
- Refer to [GI-4. "Components"](#) for symbols in the figure.

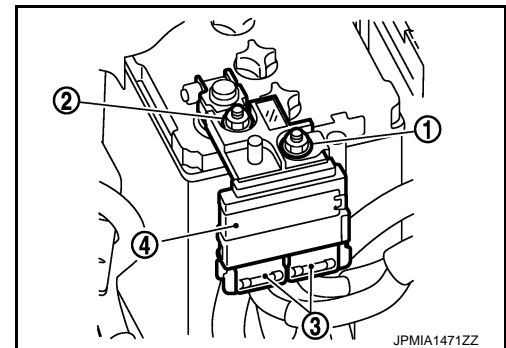


### Removal and Installation

INFOID:000000009945610

#### REMOVAL

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



#### INSTALLATION

Install in the reverse order of removal.

A  
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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:000000009945611

|   |          |         |
|---|----------|---------|
| Type  |          | 55D23L  |
| 20 hour rate capacity                       | [V – Ah] | 12 – 60 |
| Cold cranking current (For reference value) | [A]      | 356     |