# SECTION PG

# POWER SUPPLY, GROUND & CIRCUIT ELEMENTS

## CONTENTS

# PRECAUTION

## PRECAUTIONS

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

INFOID:0000000012791604

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, it is recommended that all maintenance and repair be performed by an authorized NISSAN/INFINITI dealer.**
- **Improper repair, 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:**

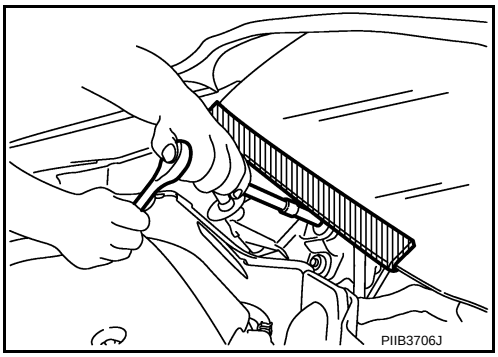
**Always observe the following items for preventing accidental activation.**

- **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 or batteries, and wait at least 3 minutes before performing any service.**

### Precaution for Procedure without Cowl Top Cover

INFOID:0000000012791605

When performing the procedure after removing cowl top cover, cover the lower end of windshield with urethane, etc to prevent damage to windshield.




### Precautions As to Battery Designed for Stop/Start System

INFOID:0000000013480130

- Vehicles equipped with the stop/start system use a special battery designed for the stop/start system. This battery has upgrades in charge-discharge performance and lifetime.
- It is mandatory to always use a battery designed for the stop/start system. Failure to do this causes early deterioration or system malfunction.

**NOTE:**

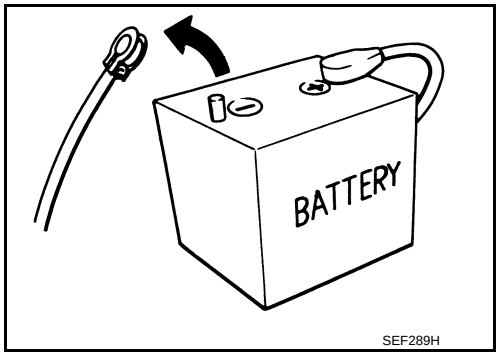
- The stop/start system is not activated if the battery temperature is 5 °C (41 °F) or less.
- The stop/start system is not activated if the battery becomes weak.

## Precautions for Removing Battery Terminal

INFOID:0000000013493925

When disconnecting the battery terminal, pay attention to the following.

- Always use a 12V battery as power source.
- Never disconnect battery terminal while engine is running.
- When removing the 12V battery terminal, turn OFF the ignition switch and wait at least 30 seconds.
- For vehicles with the engine listed below, remove the battery terminal after a lapse of the specified time:




| | | | |
|---|---|---|---|
| BR08DE | : 4 minutes | V9X engine | : 4 minutes |
| D4D engine | : 20 minutes | YD25DDTi | : 2 minutes |
| HR09DET | : 12 minutes | YS23DDT | : 4 minutes |
| HRA2DDT | : 12 minutes | YS23DDTT | : 4 minutes |
| K9K engine | : 4 minutes | ZD30DDTi | : 60 seconds |
| M9R engine | : 4 minutes | ZD30DDTT | : 60 seconds |
| R9M engine | : 4 minutes | | |

**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.

- After high-load driving, if the vehicle is equipped with the V9X engine, turn the ignition switch OFF and wait for at least 15 minutes to remove the battery terminal.

**NOTE:**
- Turbocharger cooling pump may operate in a few minutes after the ignition switch is turned OFF.
- Example of high-load driving
  - Driving for 30 minutes or more at 140 km/h (86 MPH) or more.
  - Driving for 30 minutes or more on a steep slope.

- 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.

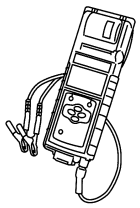
**NOTE:**
The removal of 12V battery may cause a DTC detection error.

# PREPARATION

## PREPARATION

### Special Service Tools

INFOID:0000000012791607

| Tool number<br>(Kent-Moore No.)<br>Tool name | | Description |
|---|---|---|
| —<br>(—) Model GR8-1200 NI<br>Multitasking battery and electrical diagnostic station |  <br>AWIIA1239ZZ | Tests batteries, starting and charging systems and charges batteries.<br>For operating instructions, refer to diagnostic station instruction manual. |
| —<br>(—) Model EXP-800 NI<br>Battery and electrical diagnostic analyzer |  <br>JSMIA0806ZZ | Tests batteries and charging systems.<br>For operating instructions, refer to diagnostic analyzer instruction manual. |

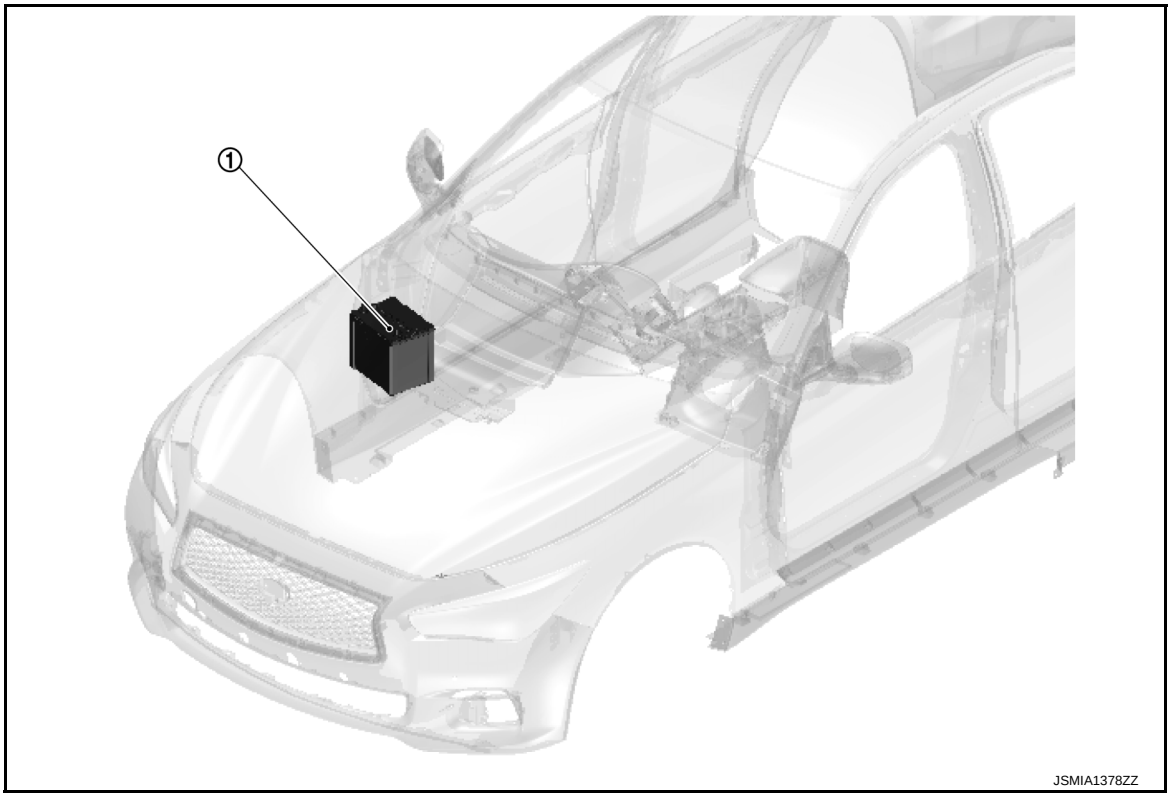
# SYSTEM DESCRIPTION

## COMPONENT PARTS

### VR30DDTT

#### VR30DDTT : Component Parts Location

INFOID:0000000013389095




| No. | Component | Function |
|---|---|---|
| ① | Battery | Refer to PG-7, "VR30DDTT : Battery". |

#### VR30DDTT : Battery

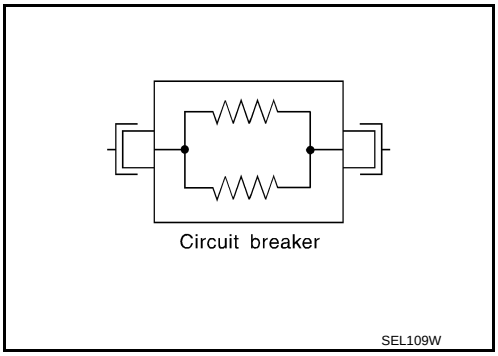
INFOID:0000000013389096

| | | |
|---|---|---|
| Type | | Q-85 |
| 20 hour rate capacity | [V – Ah] | 12 – 62 |
| Cold cranking current (For reference value) | [A] | 600 |

#### VR30DDTT : Circuit Breaker

INFOID:0000000013389097

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.



## VR30DDTT : Harness Connector

INFOID:0000000013389098

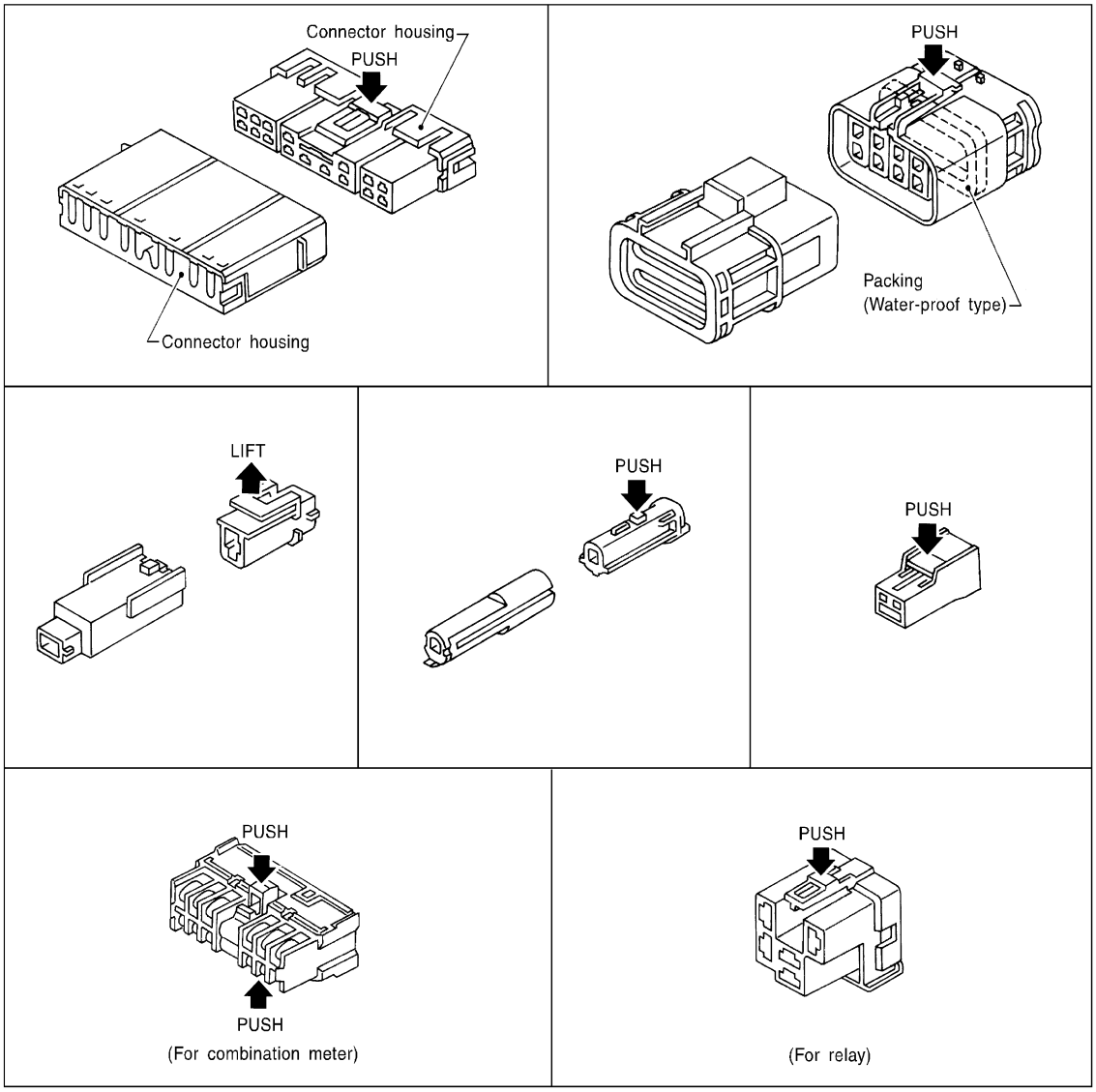
### HARNESS CONNECTOR (TAB-LOCKING TYPE)

- 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]

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### HARNESS CONNECTOR (SLIDE-LOCKING TYPE)

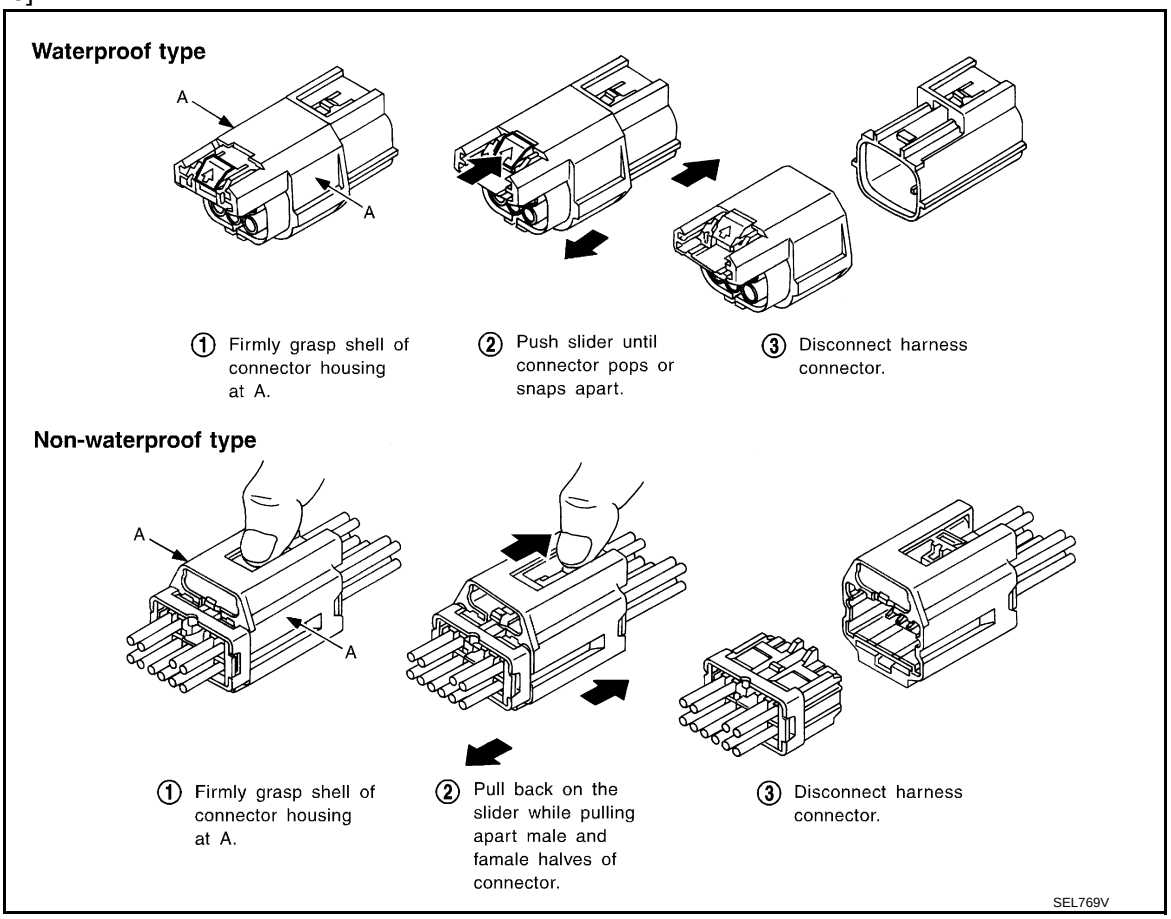
- A new style slide-locking type connector is used on certain systems and components, especially those related to OBD.
- The slide-locking type connectors help prevent incomplete locking and accidental looseness or disconnection.
- The slide-locking type connectors are disconnected by pushing or pulling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

**CAUTION:**

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

- **Be careful not to damage the connector support bracket when disconnecting the connector.**

[Example]

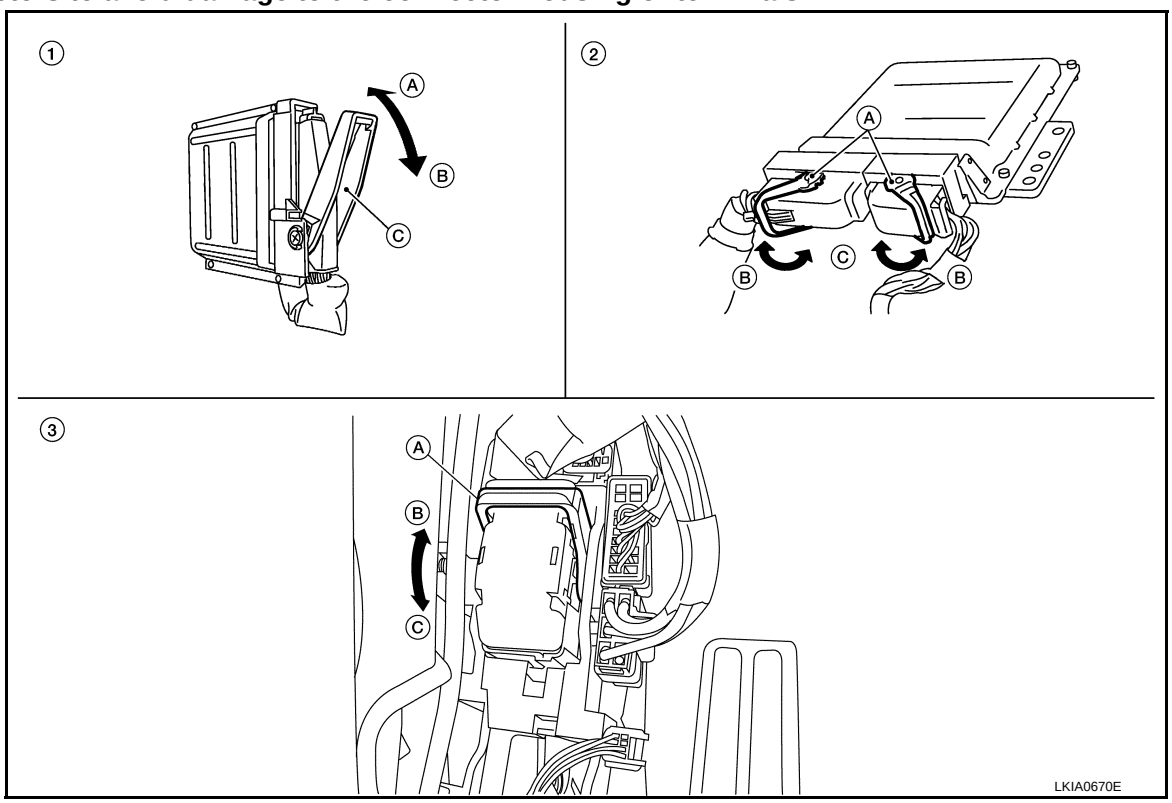



HARNESS CONNECTOR (LEVER LOCKING TYPE)

- 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:**

**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
- Ⓐ Fasten
- Ⓑ Loosen
- Ⓒ Lever

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

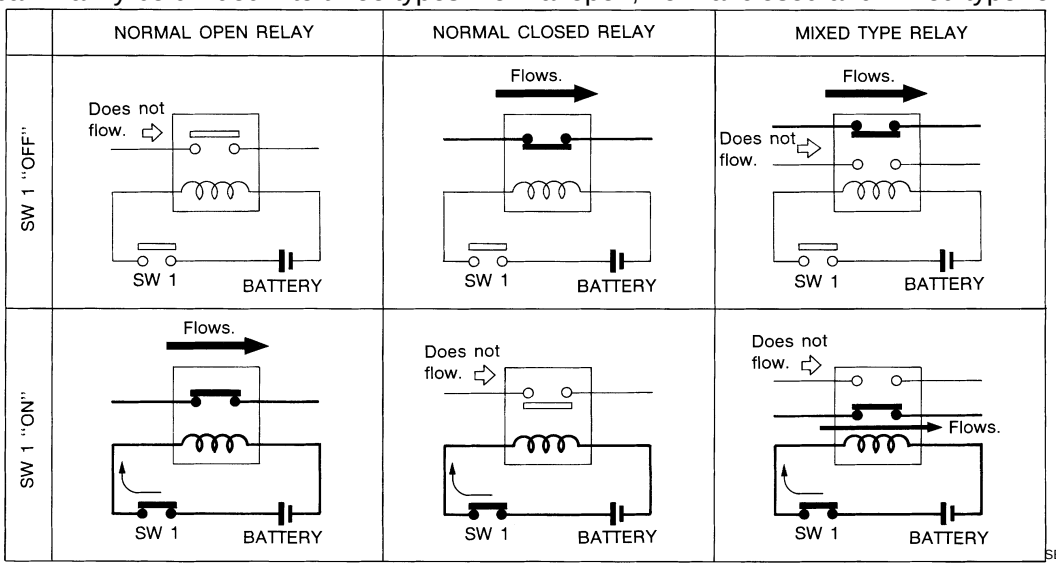
③ SMJ connector
- Ⓐ Lever
- Ⓑ Fasten
- Ⓒ Loosen

## VR30DDTT : Standardized Relay

INFOID:0000000013389099

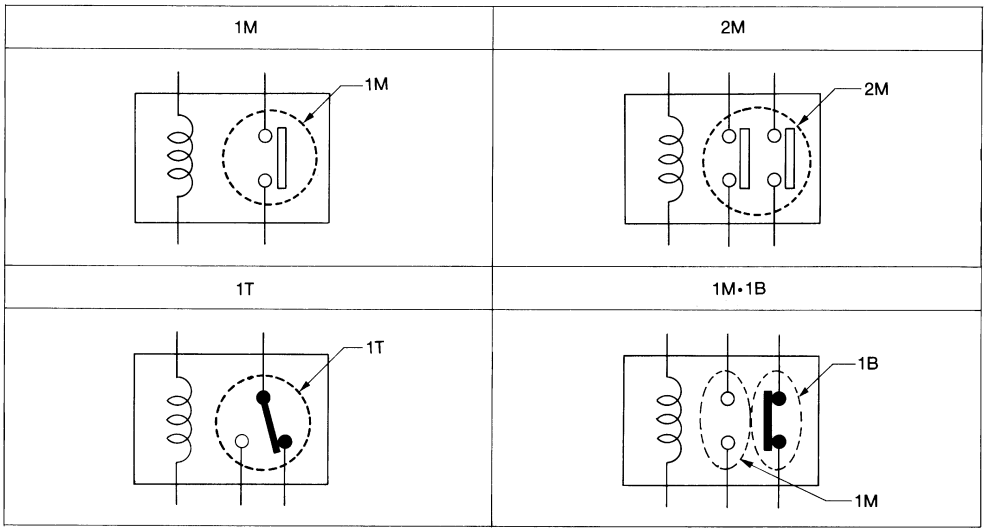
### NORMAL OPEN, NORMAL CLOSED AND MIXED TYPE RELAYS

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

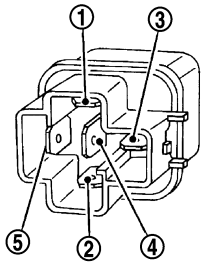
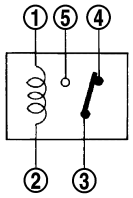
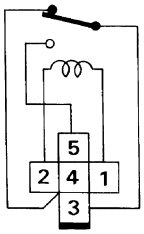
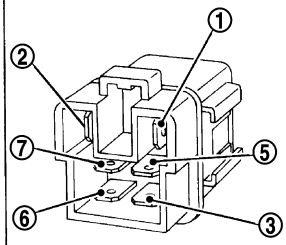
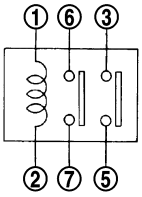
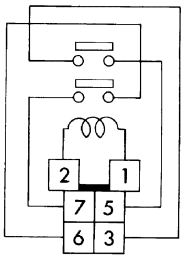
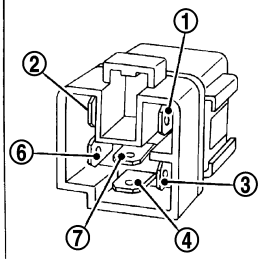
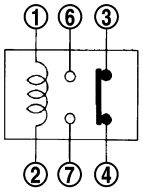
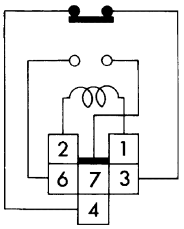
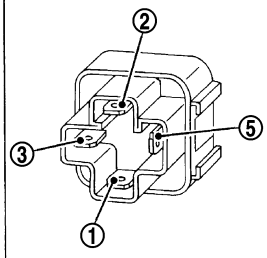
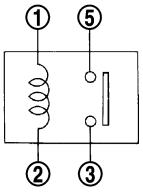
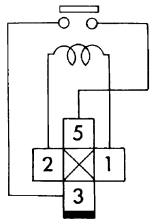
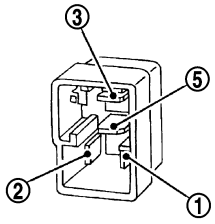
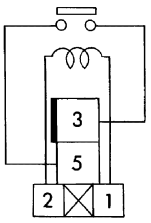



### TYPE OF STANDARDIZED RELAYS

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




SEL882H

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

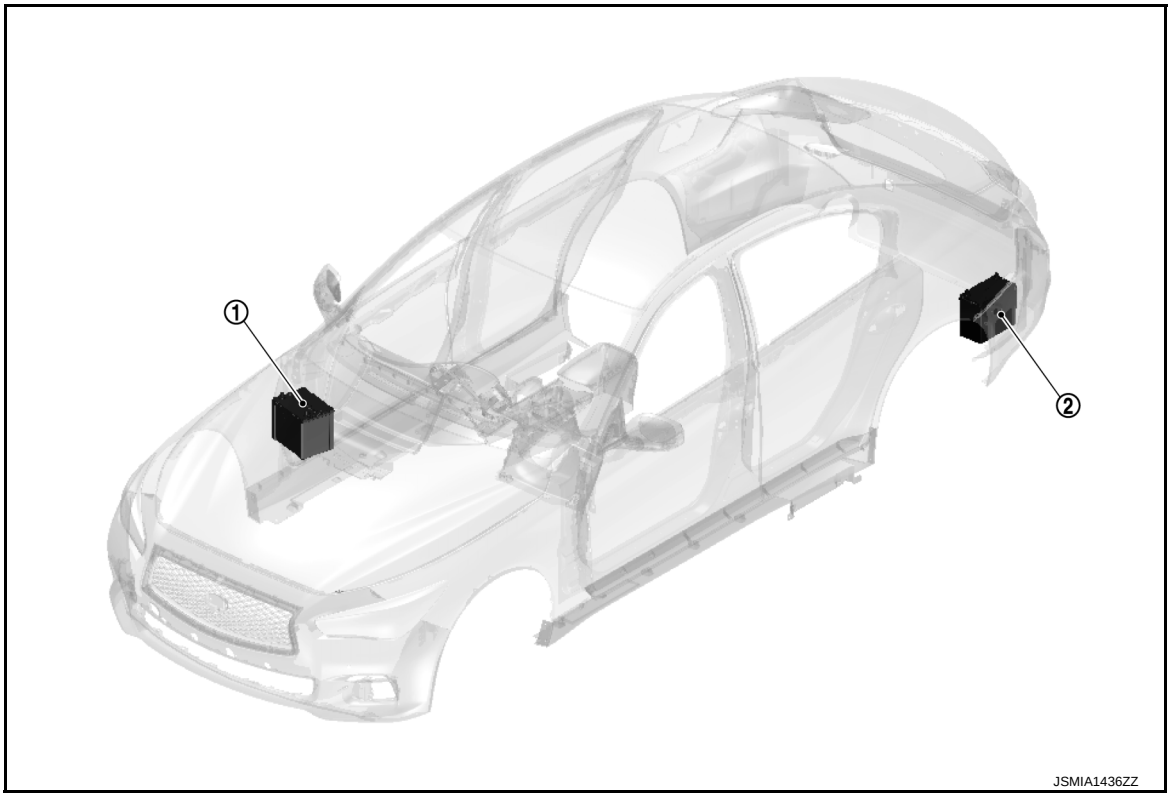
The arrangement of terminal numbers on the actual relays may differ from those shown above.

JSMIA1499GB

## 2.0L TURBO GASOLINE ENGINE

## 2.0L TURBO GASOLINE ENGINE : Component Parts Location

INFOID:0000000013389111




| No. | Component | Function |
|---|---|---|
| ① | Main battery | Refer to PG-13, "2.0L TURBO GASOLINE ENGINE : Main battery". |
| ② | Sub battery | Refer to PG-13, "2.0L TURBO GASOLINE ENGINE : Sub battery". |

## 2.0L TURBO GASOLINE ENGINE : Main battery

INFOID:0000000013389112

| | | |
|---|---|---|
| Type | | S-95 |
| 20 hour rate capacity | [V – Ah] | 12 – 75 |
| Cold cranking current (For reference value) | [A] | 780 |

**CAUTION:**

**It is mandatory to always use a battery designed for the stop/start system. Failure to do this causes early deterioration or system malfunction.**

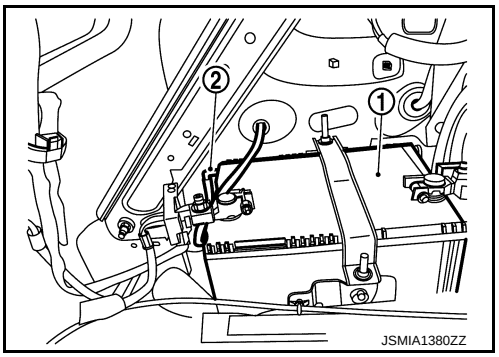
## 2.0L TURBO GASOLINE ENGINE : Sub battery

INFOID:0000000013389113

- The battery ① is mounted in the trunk room.
- Vent tube ② is installed to the battery to protect the trunk room from being filled with combustible gas when overcharge occurs. (Combustible gas is not emitted during normal charge.)

**CAUTION:**

**For gas leakage, remove the battery from the vehicle to charge in a well-ventilated area.**




SPECIFICATIONS

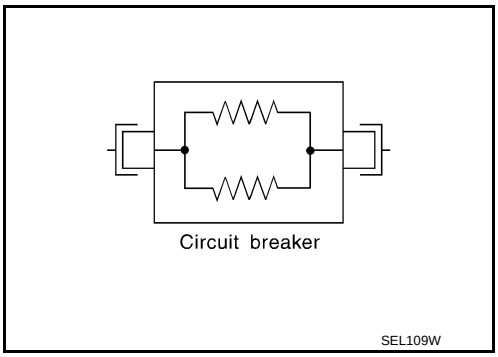
| | | |
|---|---|---|
| Type | | Q-85-MF |
| 20 hour rate capacity | [V – Ah] | 12 – 62 |
| Cold cranking current (For reference value) | [A] | 600 |

**CAUTION:**
**It is mandatory to always use a battery designed for the stop/start system. Failure to do this causes early deterioration or system malfunction.**

## 2.0L TURBO GASOLINE ENGINE : Circuit Breaker

INFOID:0000000013389114

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.




## 2.0L TURBO GASOLINE ENGINE : Harness Connector

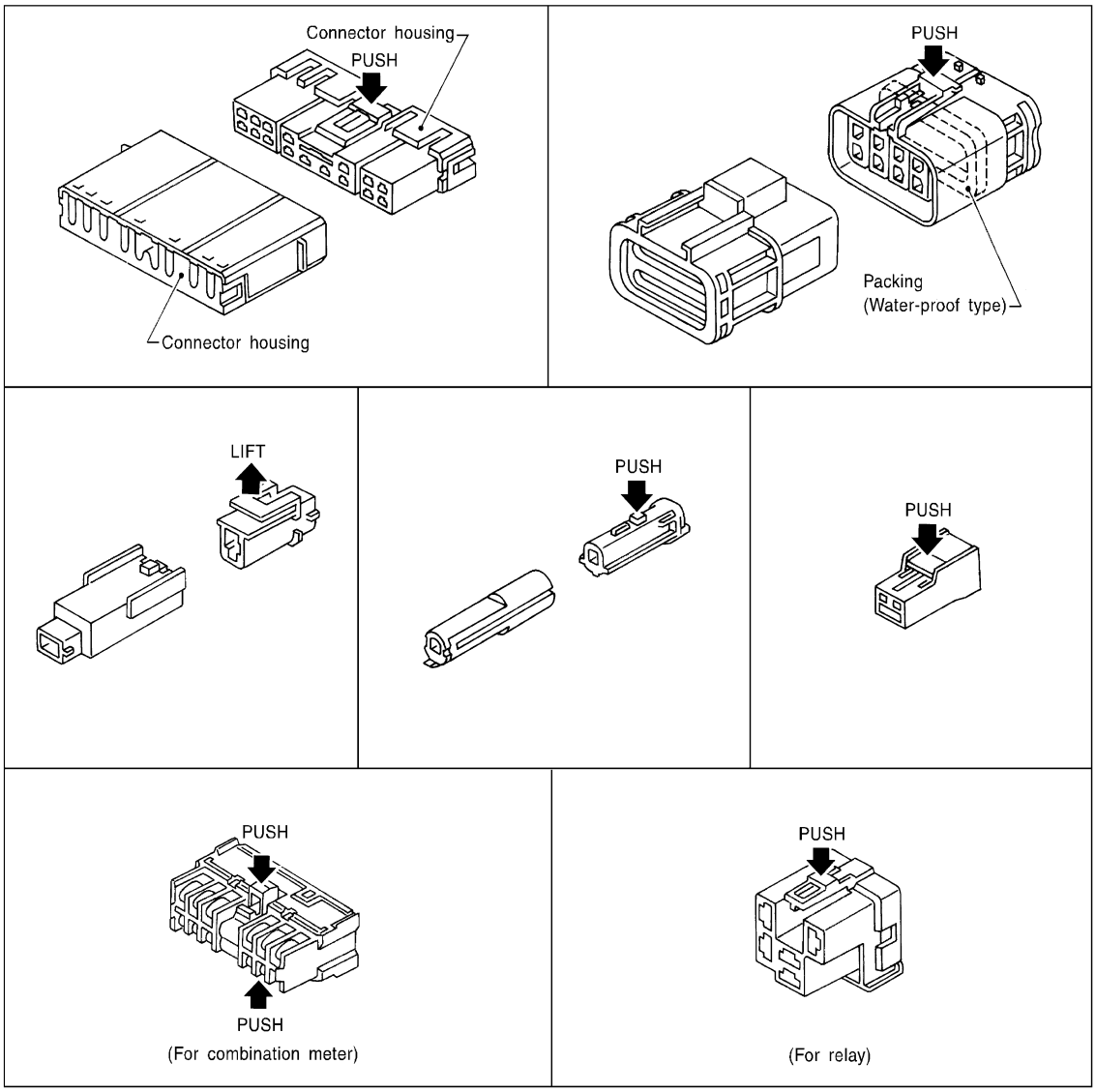
INFOID:0000000013389115

### 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]

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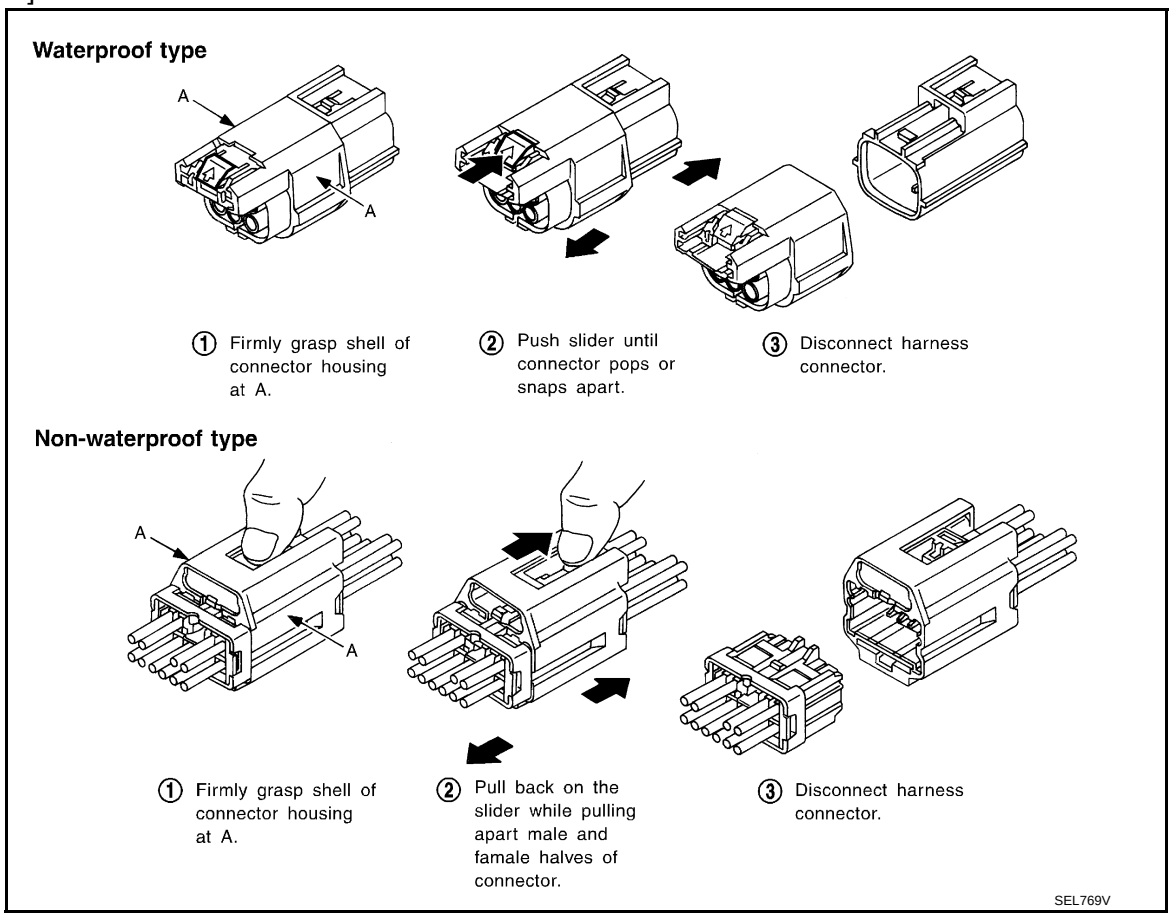
## HARNESS CONNECTOR (SLIDE-LOCKING TYPE)

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

**CAUTION:**

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

[Example]

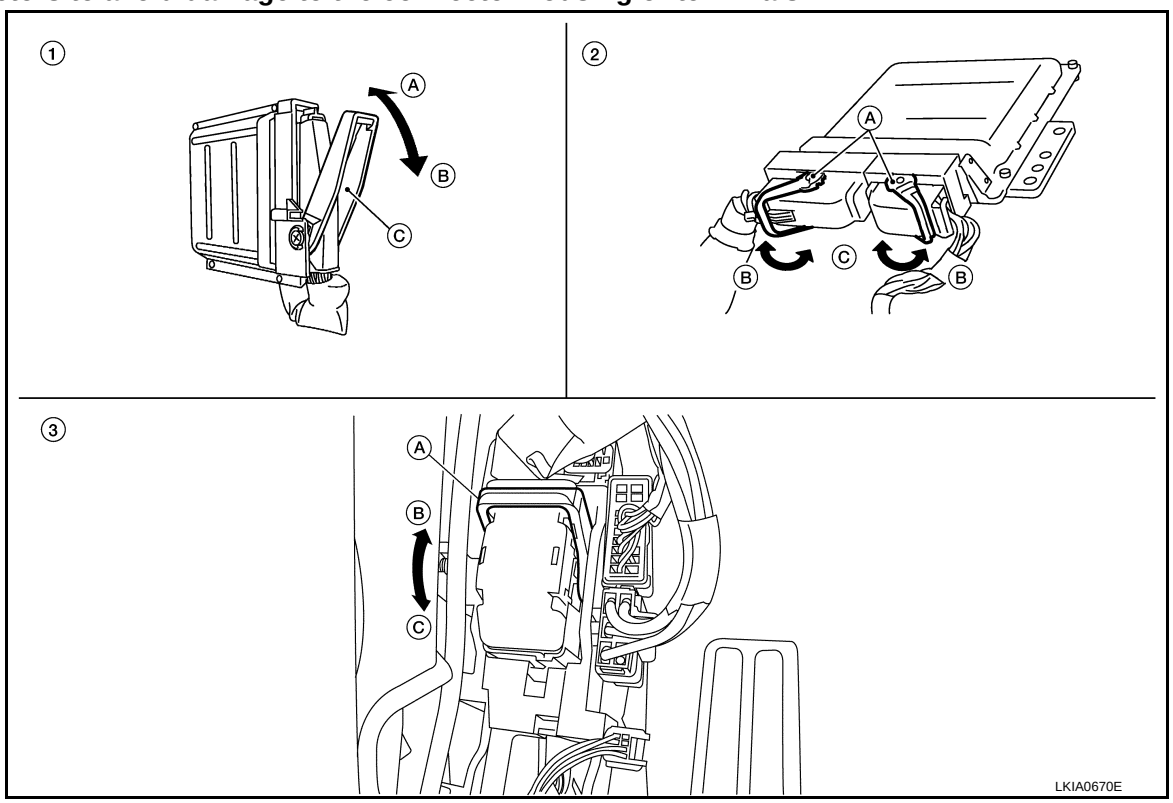



HARNESS CONNECTOR (LEVER LOCKING TYPE)

- 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:**

**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
Ⓐ Fasten
Ⓑ Loosen
Ⓒ Lever

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

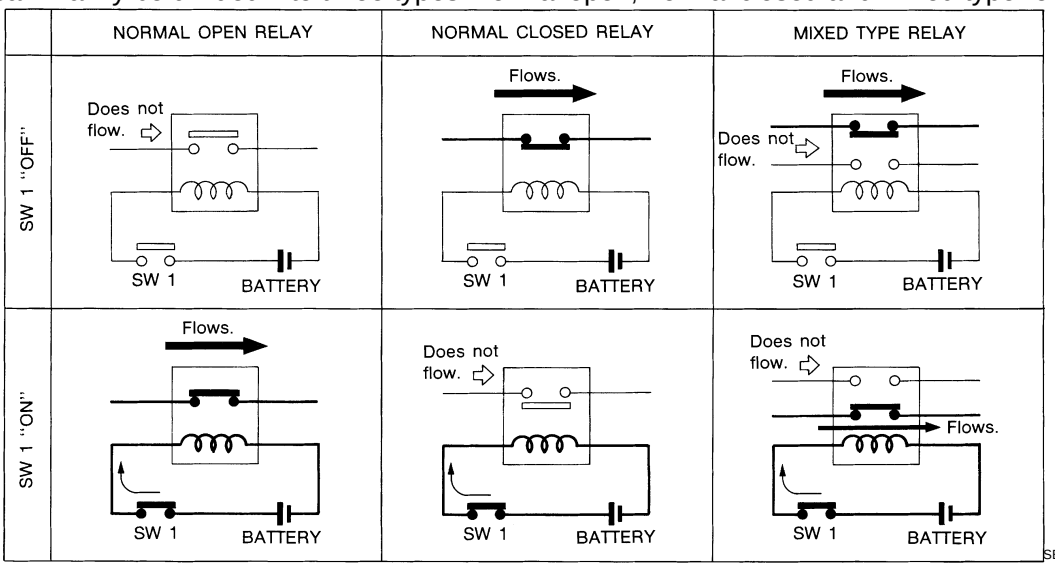
③ SMJ connector
Ⓐ Lever
Ⓑ Fasten
Ⓒ Loosen

## 2.0L TURBO GASOLINE ENGINE : Standardized Relay

INFOID:0000000013389116

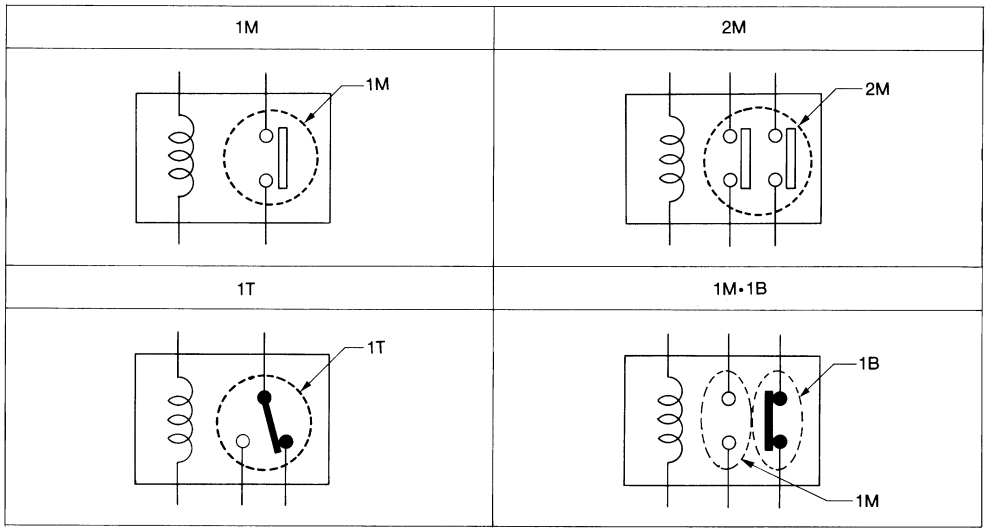
### NORMAL OPEN, NORMAL CLOSED AND MIXED TYPE RELAYS

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




### TYPE OF STANDARDIZED RELAYS

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

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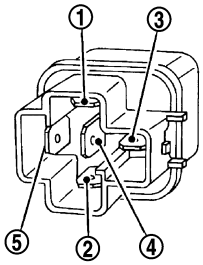
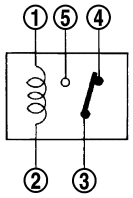
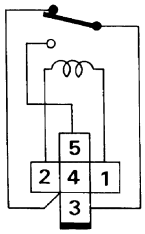
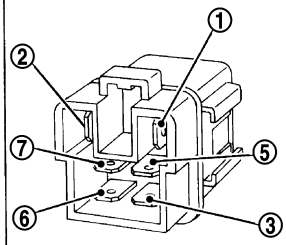
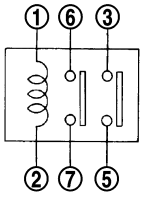
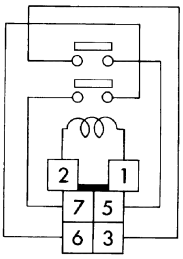
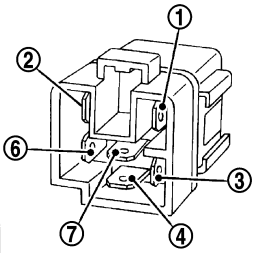
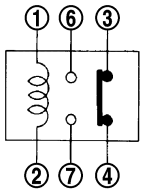
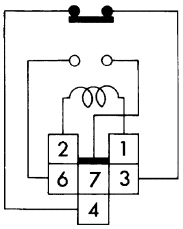
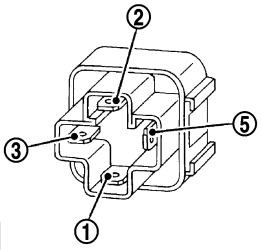
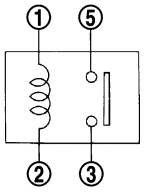
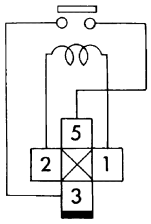
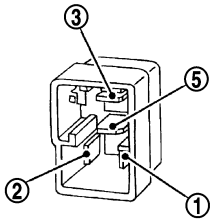
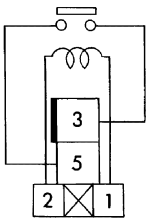
| Type | Outer view | Circuit | Connector symbol and connection | Case color |
|---|---|---|---|---|
| 1T |  |  |  | BLACK |
| 2M |  |  |  | BROWN |
| 1M•1B |  |  |  | GRAY |
| 1M |  |  |  | BLACK |
| |  | |  | BLUE |

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

JSMIA1499GB

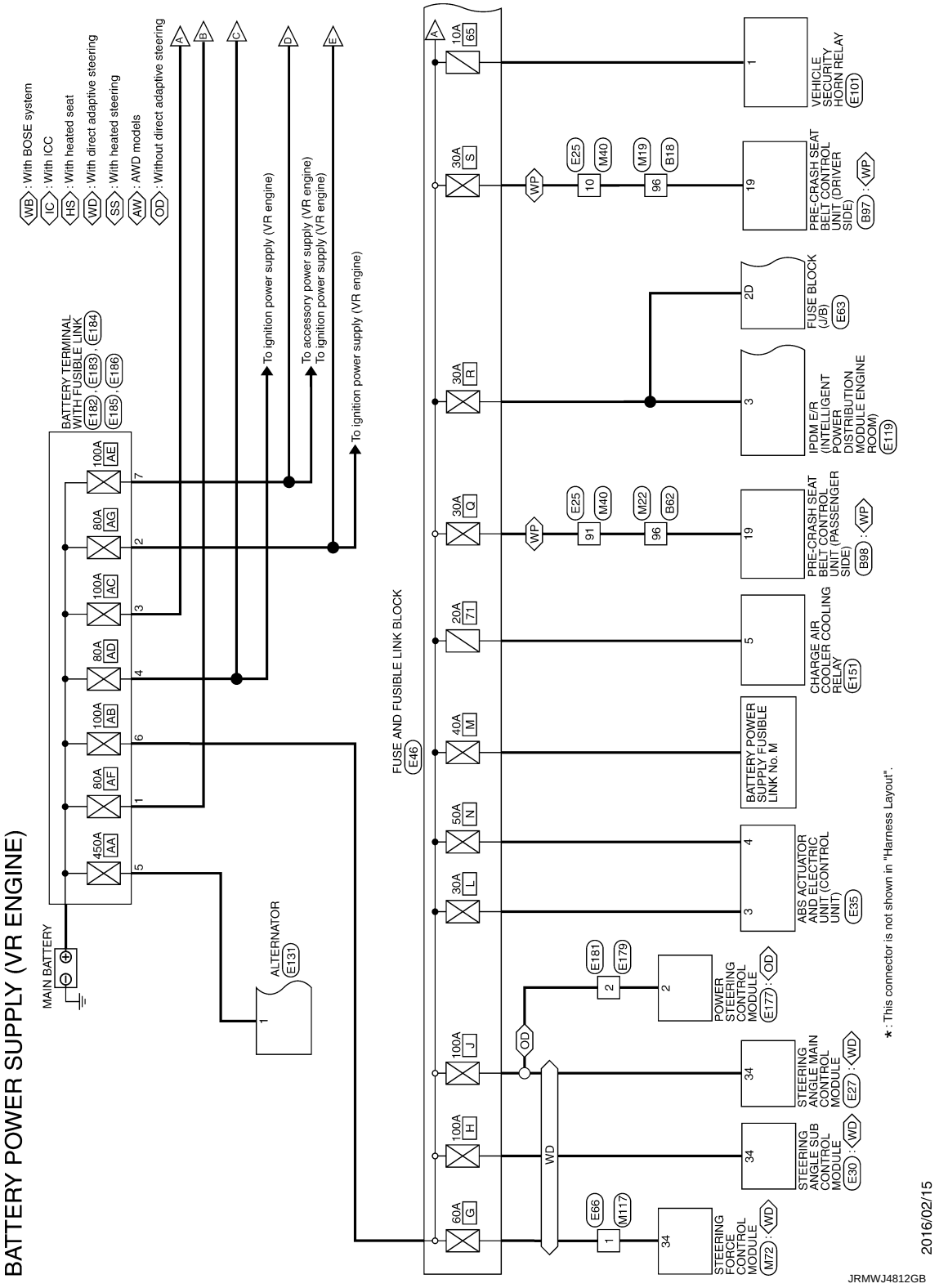
# WIRING DIAGRAM

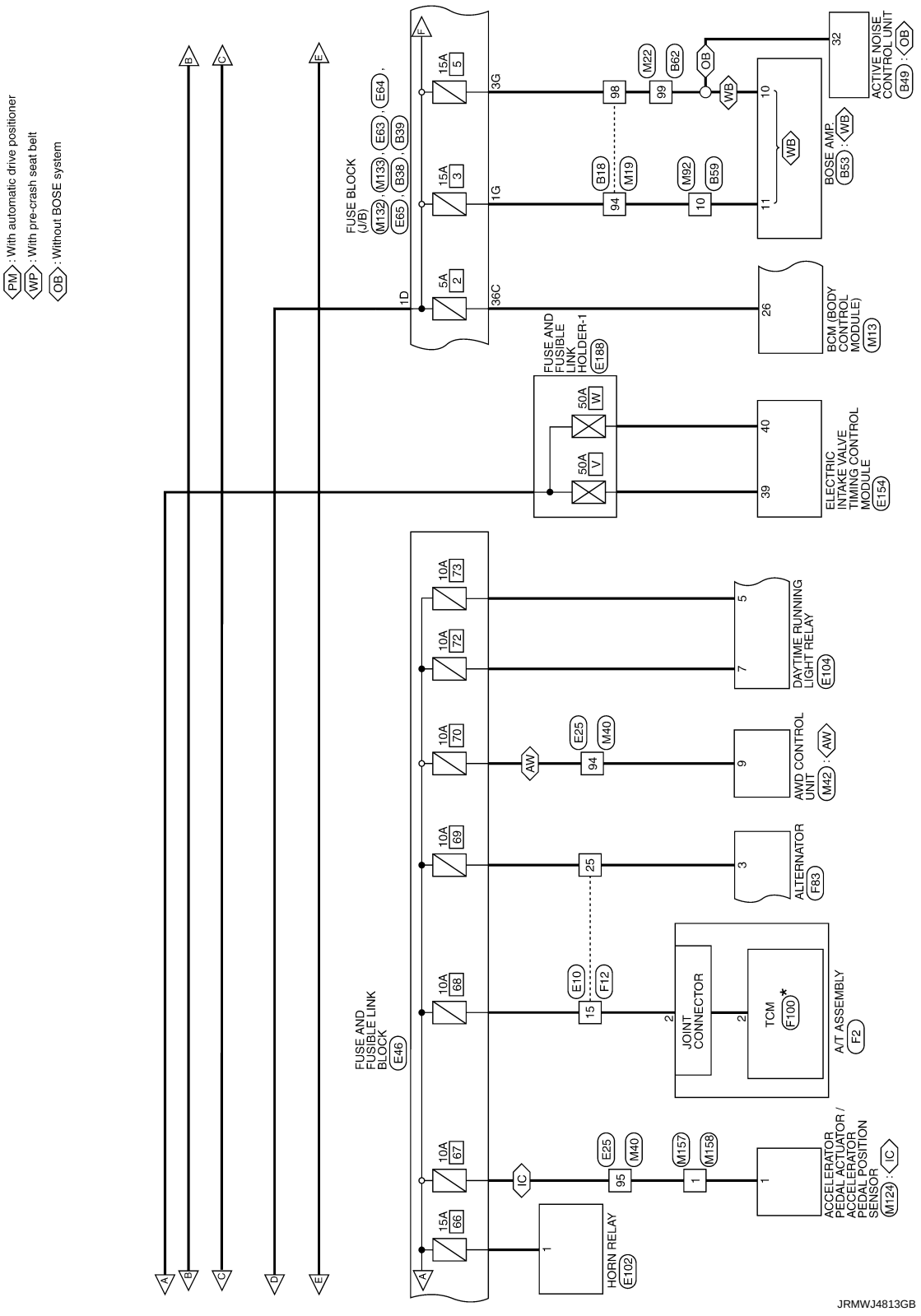
## POWER SUPPLY ROUTING CIRCUIT

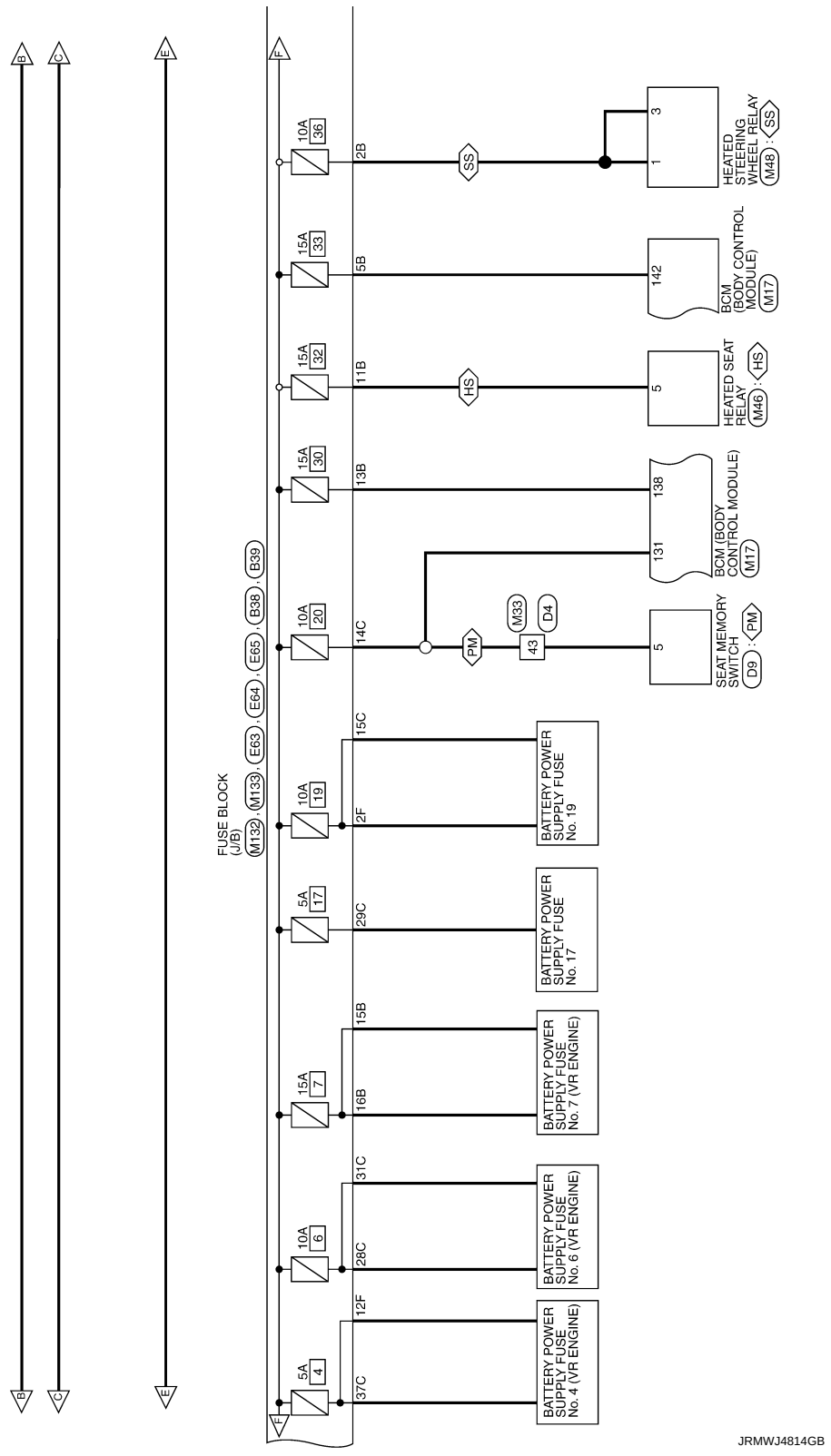
### VR30DDTT

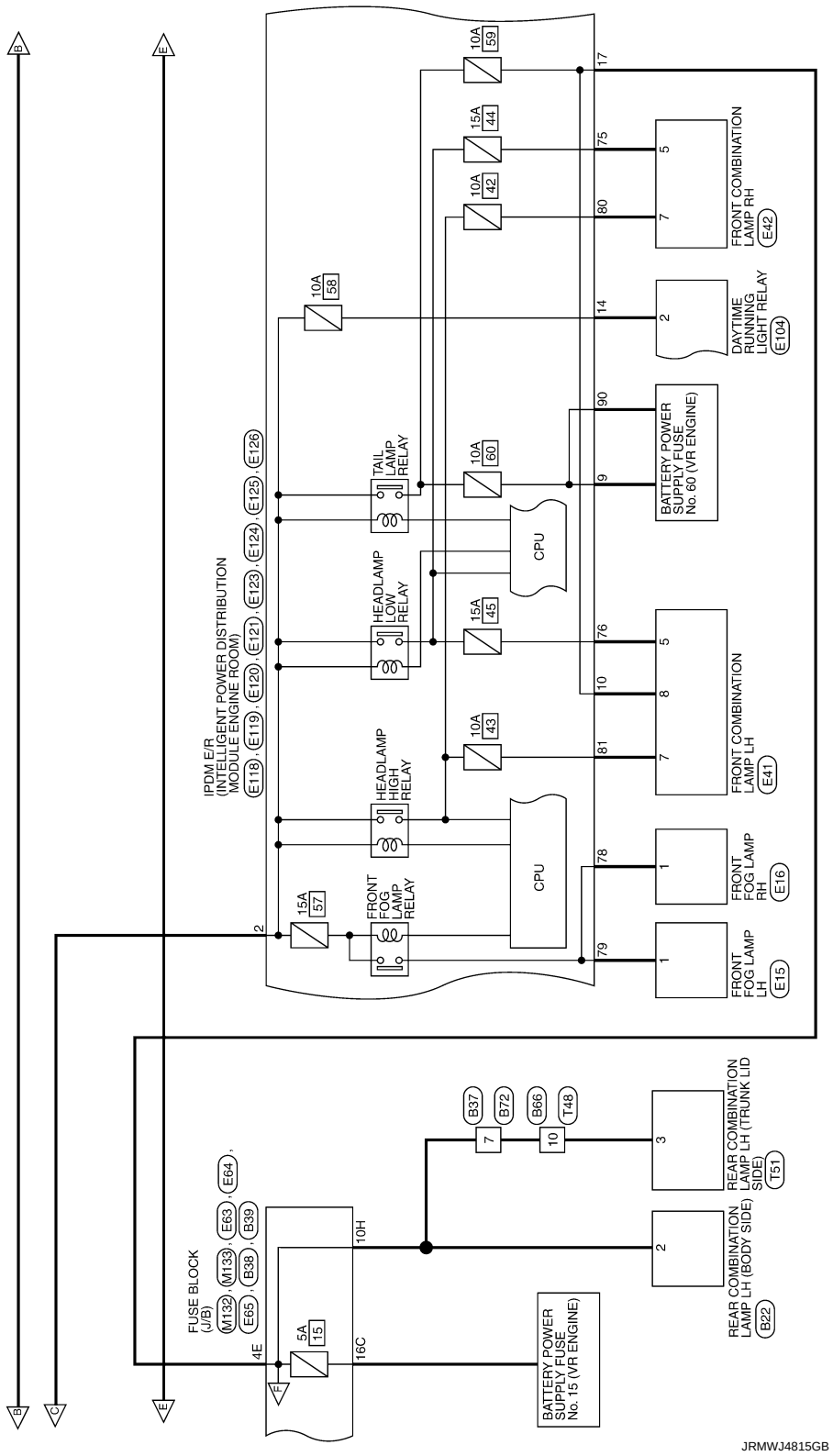
### VR30DDTT : Wiring Diagram - BATTERY POWER SUPPLY -

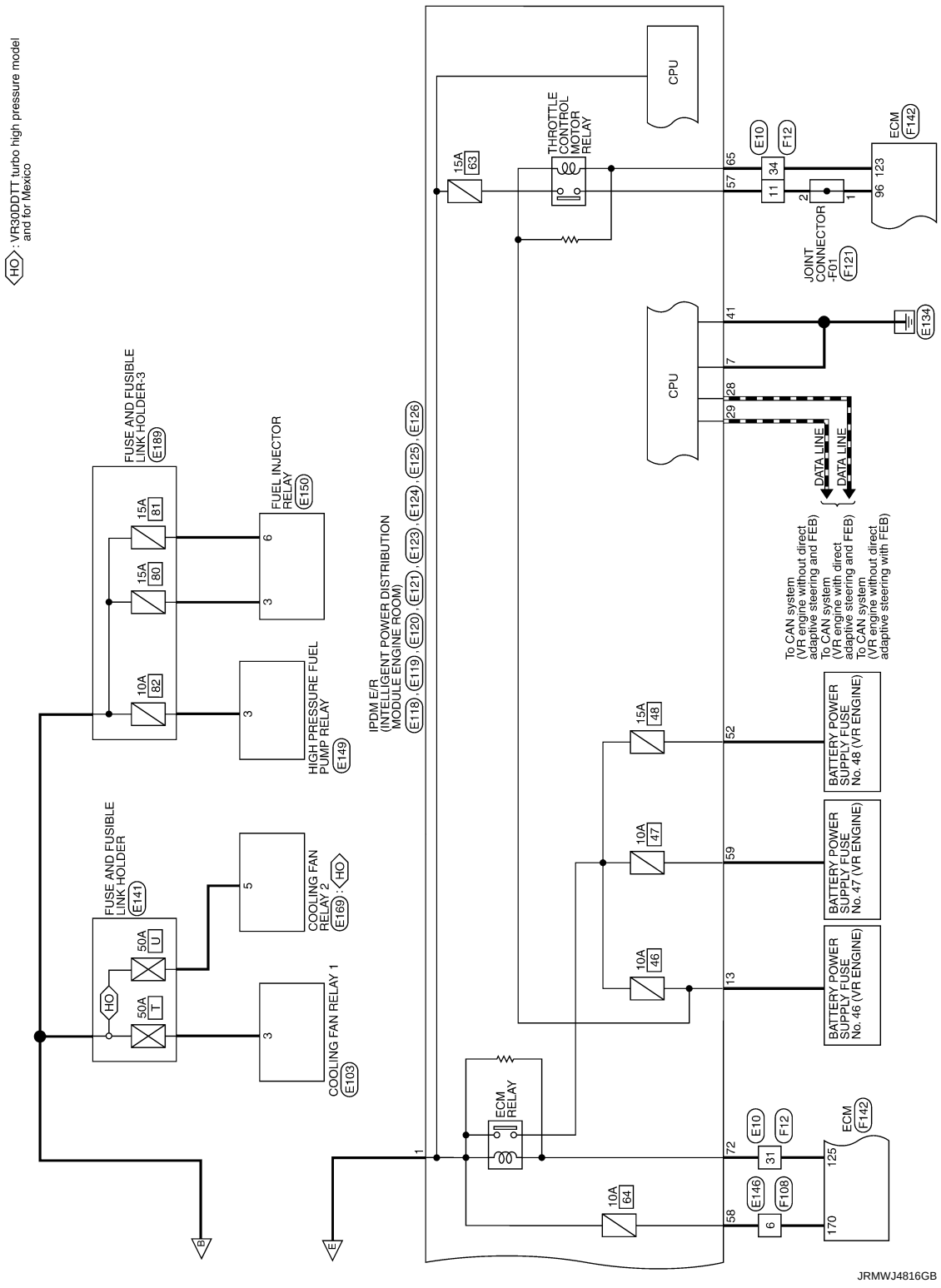
INFOID:0000000012791613




PM : With automatic drive positioner
WP : With pre-crash seat belt
OB : Without BOSE system
FUSE BLOCK (J/B) M132, M133, E63, E64, E65, E38, B38, B39
15A 5
15A 3
5A 2
3G
1G
1D
36C
98
94
99
10
11
M22
B62
OB
WB
B18
M19
M92
B59
ACTIVE NOISE CONTROL UNIT 32
B49 : OB
BOSE AMP. B53 : WB
BCM (BODY CONTROL MODULE) M13
26
FUSE AND FUSIBLE LINK HOLDER-1 E188
50A W
50A V
ELECTRIC INTAKE VALVE TIMING CONTROL MODULE E154
40
39
FUSE AND FUSIBLE LINK BLOCK E46
10A 73
10A 72
10A 70
10A 69
10A 68
10A 67
15A 66
DAYTIME RUNNING LIGHT RELAY E104
5
7
AWD CONTROL UNIT M42 : AW
9
AW
E25
M40
94
ALTERNATOR F83
3
25
JOINT CONNECTOR
TCM * F100
A/T ASSEMBLY F2
2
E10
F12
15
IC
95
M157
M158
1
ACCELERATOR PEDAL ACTUATOR / ACCELERATOR PEDAL POSITION SENSOR M124 : IC
HORN RELAY E102
A
B
C
D
E
F
JRMWJ4813GB


FUSE BLOCK (J/B)
M132, M133, E63, E64, E65, B38, B39
10A 36
2B
SS
HEATED STEERING WHEEL RELAY
M48 : SS
15A 33
5B
142
BCM (BODY CONTROL MODULE)
M17
15A 32
11B
HS
5
HEATED SEAT RELAY
M46 : HS
15A 30
13B
138
131
BCM (BODY CONTROL MODULE)
M17
10A 20
14C
PM
M33
D4
43
5
SEAT MEMORY SWITCH
D9 : PM
10A 19
15C
2F
BATTERY POWER SUPPLY FUSE No. 19
5A 17
29C
BATTERY POWER SUPPLY FUSE No. 17
15A 7
15B
16B
BATTERY POWER SUPPLY FUSE No. 7 (VR ENGINE)
10A 6
31C
28C
BATTERY POWER SUPPLY FUSE No. 6 (VR ENGINE)
5A 4
12F
37C
BATTERY POWER SUPPLY FUSE No. 4 (VR ENGINE)
JRMWJ4814GB


IPDM E/R
(INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
E118, E119, E120, E121, E123, E124, E125, E126
TAIL LAMP RELAY
HEADLAMP LOW RELAY
HEADLAMP HIGH RELAY
FRONT FOG LAMP RELAY
CPU
10A 59
15A 44
10A 42
10A 58
10A 60
15A 45
10A 43
15A 57
FRONT COMBINATION LAMP RH E42
DAYTIME RUNNING LIGHT RELAY E104
BATTERY POWER SUPPLY FUSE No. 60 (VR ENGINE)
FRONT COMBINATION LAMP LH E41
FRONT FOG LAMP RH E16
FRONT FOG LAMP LH E15
FUSE BLOCK (J/B)
M132, M133, E38, E63, E64, E65, B39
5A 15
BATTERY POWER SUPPLY FUSE No. 15 (VR ENGINE)
B37, B72, B66, T48
REAR COMBINATION LAMP LH (TRUNK LID SIDE) T51
REAR COMBINATION LAMP LH (BODY SIDE) B22
JRMWJ4815GB


HO : VR30DDTT turbo high pressure model and for Mexico
FUSE AND FUSIBLE LINK HOLDER:3 E189
15A 81
15A 80
10A 82
FUEL INJECTOR RELAY E150
HIGH PRESSURE FUEL PUMP RELAY E149
FUSE AND FUSIBLE LINK HOLDER E141
50A U
50A T
HO
COOLING FAN RELAY 2 E169 HO
COOLING FAN RELAY 1 E103
IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
E118 E119 E120 E121 E123 E124 E125 E126
ECM RELAY
THROTTLE CONTROL MOTOR RELAY
15A 63
10A 64
15A 48
10A 47
10A 46
CPU
DATA LINE
DATA LINE
To CAN system (VR engine without direct adaptive steering and FEB)
To CAN system (VR engine with direct adaptive steering and FEB)
To CAN system (VR engine without direct adaptive steering with FEB)
BATTERY POWER SUPPLY FUSE No. 48 (VR ENGINE)
BATTERY POWER SUPPLY FUSE No. 47 (VR ENGINE)
BATTERY POWER SUPPLY FUSE No. 46 (VR ENGINE)
JOINT CONNECTOR -F01 F121
ECM F142
E10 F12
E146 F108
E134
JRMWJ4816GB

BATTERY POWER SUPPLY (VR ENGINE)

| Connector No. | B18 |
|---|---|
| Connector Name | WIRE TO WIRE |
| Connector Type | TH80FW-CS16-TM4 |

H.S.



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | Y | - |
| 2 | G | - |
| 3 | L | - |
| 4 | LG | - |
| 5 | Y | - |
| 6 | R | - |
| 7 | V | - |
| 8 | LG | - |
| 10 | BG | - |
| 11 | BG | - |
| 12 | LG | - |
| 13 | GR | - |
| 14 | R | - |
| 15 | L | - |
| 16 | V | - |
| 18 | W | - |
| 19 | BR | - |
| 20 | W | - |
| 22 | R | - |
| 23 | V | - |
| 24 | R | - [With 2.0L turbo gasoline engine] |
| 24 | Y | - [With VR30 engine] |
| 25 | P | - [With 2.0L turbo gasoline engine and without gateway] |
| 25 | V | - [With 2.0L turbo gasoline engine and with gateway] |
| 25 | W | - [With VR30 engine] |
| 26 | G | - |
| 27 | R | - |
| 28 | R | - |
| 31 | B | - [With VR30 engine] |
| 31 | BR | - [With 2.0L turbo gasoline engine] |
| 32 | B | - |
| 33 | B | - |
| 34 | LG | - |
| 35 | P | - |
| 36 | W | - |
| 37 | SB | - |
| 38 | LG | - |
| 40 | P | - |
| 41 | SB | - |
| 42 | BR | - |
| 43 | BG | - |
| 44 | BG | - |
| 46 | R | - |
| 50 | W | - |
| 51 | SB | - |
| 52 | V | - |
| 53 | LG | - |
| 54 | R | - |
| 55 | R | - |
| 57 | W | - |
| 58 | V | - |
| 59 | GR | - |
| 60 | G | - |
| 61 | G | - |
| 62 | BG | - |
| 63 | BR | - |
| 64 | Y | - |
| 66 | R | - |
| 70 | R | - |
| 71 | W | - |
| 72 | B | - |
| 73 | W | - |
| 74 | L | - |
| 75 | R | - [Without paddle shift] |
| 75 | V | - [With paddle shift] |
| 76 | BR | - |
| 77 | B | - |
| 78 | SB | - |
| 79 | V | - [With VR30 engine] |
| 79 | W | - [With 2.0L turbo gasoline engine] |
| 81 | B | - |
| 82 | R | - |
| 83 | BG | - |
| 84 | L | - |
| 85 | R | - [Without paddle shift] |
| 85 | V | - [With paddle shift] |
| 86 | B | - |
| 88 | G | - |
| 89 | V | - [With 2.0L turbo gasoline engine] |
| 89 | W | - [With VR30 engine] |
| 91 | GR | - |
| 94 | GR | - |
| 96 | Y | - |
| 97 | V | - |

| 98 | BR | - [With VR30 engine and with BOSE system] |
|---|---|---|
| 98 | Y | - [Except with VR30 engine and with BOSE system] |

| Connector No. | B22 |
|---|---|
| Connector Name | REAR COMBINATION LAMP LH(BODY SIDE) |
| Connector Type | NS04MW-CS |

H.S.



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | LG | - |
| 2 | P | - |
| 3 | SB | - |
| 4 | B | - |

| Connector No. | B23 |
|---|---|
| Connector Name | REAR COMBINATION LAMP RH(BODY SIDE) |
| Connector Type | NS04MW-CS |

H.S.



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

| Connector No. | B37 |
|---|---|
| Connector Name | WIRE TO WIRE |
| Connector Type | TH08MW-NH |

H.S.



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 2 | SHIELD | - |
| 3 | R | - |
| 4 | L | - |
| 5 | R | - |
| 7 | P | - |

| Connector No. | B38 |
|---|---|
| Connector Name | FUSE BLOCK (J/B) |
| Connector Type | NS10FW-CS |

H.S.



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

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BATTERY POWER SUPPLY (VR ENGINE)

| Connector No. | B39 |
|---|---|
| Connector Name | FUSE BLOCK (J/B) |
| Connector Type | TH10FB-NH |

H.S.

| 5H | 4H | 3H | 4 |
|---|---|---|---|
| 10H | 9H | 8H | 7H | 6H |

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 10H | P | - |
| 3H | L | - |
| 4H | R | - |
| 5H | V | - |
| 6H | L | - |
| 7H | LG | - |
| 8H | P | - |
| 9H | GR | - |

| Connector No. | B49 |
|---|---|
| Connector Name | ACTIVE NOISE CONTROL UNIT |
| Connector Type | TH32FW-NH |

H.S.

| 16 | 15 | 14 | 13 | 12 | | 9 | 8 | | 4 | 3 | 2 | 1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 32 | 31 | 30 | 29 | 28 | | 25 | 24 | 23 | | 20 | 19 | 18 |

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | SHIELD | GND |
| 2 | P | CAN-L [For 2.0L turbo gasoline engine] |
| 2 | R | CAN-L [For VR30 engine] |
| 3 | B | ENGINE TYPE SIGNAL 1 |
| 4 | B | ENGINE TYPE SIGNAL 2 |
| 8 | G | FRONT MICROPHONE SIGNAL (+) |
| 9 | BG | REAR MICROPHONE SIGNAL (+) |
| 12 | G | SOUND SIGNAL FRONT LH (+) |
| 13 | R | SOUND SIGNAL FRONT RH (+) |
| 14 | LG | SOUND SIGNAL REAR LH (+) |
| 15 | B | SOUND SIGNAL REAR RH (+) |
| 16 | V | ACC |

| 18 | L | CAN-H |
|---|---|---|
| 19 | P | ENGINE SPEED SIGNAL |
| 20 | W | IGN |
| 23 | B | GND |
| 24 | R | FRONT MICROPHONE SIGNAL (-) |
| 25 | W | REAR MICROPHONE SIGNAL (-) |
| 28 | L | SOUND SIGNAL FRONT LH (-) |
| 29 | L | SOUND SIGNAL FRONT RH (-) |
| 30 | P | SOUND SIGNAL REAR LH (-) |
| 31 | W | SOUND SIGNAL REAR RH (-) |
| 32 | Y | BAT |

| Connector No. | B50 |
|---|---|
| Connector Name | AROUND VIEW MONITOR CONTROL UNIT |
| Connector Type | TH40FW-NH |

H.S.

| 2 | 4 | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3 | | | | | | | | 19 | | | | | | | 28 | 30 | 32 | | |

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | B | GND |
| 2 | Y | BAT |
| 3 | LG | IGN |
| 4 | P | ACC |
| 19 | P | AV COMM (H) |
| 20 | LG | AV COMM (L) |
| 23 | SHIELD | AV COMM GND |
| 25 | BG | REVERSE SIGNAL |
| 27 | L | CAN-H |
| 28 | P | CAN-L [Without ADAS] [For VR30 engine] |
| 28 | R | CAN-L [With ADAS] |
| 28 | Y | CAN-L [Without ADAS] [For 2.0L turbo gasoline engine] |
| 29 | B | CAN GND |
| 30 | W | RETRACT MOTOR OPERATING SIGNAL [OPEN] |
| 32 | G | RETRACT MOTOR OPERATING SIGNAL [CLOSE] |

| Connector No. | B53 |
|---|---|
| Connector Name | BOSE AMP. |
| Connector Type | SGA12FBR-SJA2 |

H.S.

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

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

| Connector No. | B59 |
|---|---|
| Connector Name | WIRE TO WIRE |
| Connector Type | NS16FW-CS |

H.S.

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

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

| Connector No. | B62 |
|---|---|
| Connector Name | WIRE TO WIRE |
| Connector Type | TH80FW-CS16-TM4 |

H.S.

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
| 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 |
| 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 |

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | BR | - [With 2.0L turbo gasoline engine and without BOSE System] |
| 1 | LG | - [With VR30 engine] |
| 1 | W | - [With 2.0L turbo gasoline engine and with BOSE system] |
| 2 | L | - [With VR30 engine] |
| 2 | SHIELD | - [With 2.0L turbo gasoline engine] |
| 3 | BR | - [With 2.0L turbo gasoline engine] |
| 3 | R | - [With VR30 engine and with BOSE system] |
| 3 | W | - [With VR30 engine and without BOSE system] |
| 4 | SHIELD | - [With VR30 engine] |
| 4 | Y | - [With 2.0L turbo gasoline engine] |
| 5 | G | - [With VR30 engine] |
| 5 | V | - [With 2.0L turbo gasoline engine] |
| 6 | BG | - [With VR30 engine] |
| 6 | BR | - [With 2.0L turbo gasoline engine] |
| 7 | B | - [With 2.0L turbo gasoline engine and with BOSE system] |
| 7 | BR | - [With VR30 engine and without BOSE system] |
| 7 | W | - [With VR30 engine and with BOSE system] |
| 7 | Y | - [With 2.0L turbo gasoline engine and without BOSE System] |
| 8 | B | - [With VR30 engine and with BOSE system] |
| 8 | G | - [With 2.0L turbo gasoline engine] |
| 8 | Y | - [With VR30 engine and without BOSE system] |
| 9 | LG | - [With 2.0L turbo gasoline engine] |
| 9 | SHIELD | - [With VR30 engine] |
| 10 | V | - |
| 11 | GR | - |

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BATTERY POWER SUPPLY (VR ENGINE)

| | | |
|---|---|---|
| 12 | Y | - |
| 13 | R | - |
| 14 | BG | - |
| 15 | BG | - [With 2.0L turbo gasoline engine] |
| 15 | GR | - [With VR30 engine] |
| 16 | V | - |
| 17 | P | - |
| 18 | L | - |
| 19 | R | - |
| 20 | GR | - |
| 21 | R | - |
| 22 | V | - |
| 23 | W | - |
| 24 | BG | - [With 2.0L turbo gasoline engine] |
| 24 | V | - [With VR30 engine] |
| 25 | L | - [With 2.0L turbo gasoline engine] |
| 25 | SB | - [With VR30 engine] |
| 26 | G | - [With VR30 engine] |
| 26 | W | - [With 2.0L turbo gasoline engine] |
| 27 | R | - |
| 29 | LG | - |
| 30 | LG | - [With 2.0L turbo gasoline engine] |
| 30 | P | - [With VR30 engine] |
| 31 | SHIELD | - |
| 32 | L | - |
| 33 | B | - [With VR30 engine] |
| 33 | LG | - [With 2.0L turbo gasoline engine] |
| 34 | SHIELD | - |
| 35 | LG | - [With VR30 engine] |
| 35 | W | - [With 2.0L turbo gasoline engine] |
| 36 | R | - [With VR30 engine] |
| 36 | W | - [With 2.0L turbo gasoline engine] |
| 37 | P | - [With 2.0L turbo gasoline engine and without BOSE system] |
| 37 | R | - [With VR30 engine] |
| 37 | W | - [With 2.0L turbo gasoline engine and with BOSE system] |
| 38 | W | - |
| 39 | P | - [With VR30 engine and without BOSE system] |
| 39 | R | - [With 2.0L turbo gasoline engine] |
| 39 | W | - [With VR30 engine and with BOSE system] |
| 40 | G | - |
| 41 | L | - |
| 42 | R | - |
| 43 | SHIELD | - |
| 44 | P | - |
| 45 | B | - [With 2.0L turbo gasoline engine] |
| 45 | G | - [With VR30 engine] |
| 46 | SHIELD | - |
| 47 | G | - |
| 48 | BG | - |
| 49 | G | - |
| 50 | V | - |
| 51 | GR | - |
| 52 | W | - [With 2.0L turbo gasoline engine] |
| 52 | Y | - [With VR30 engine] |
| 53 | R | - |
| 54 | GR | - |
| 55 | L | - |
| 56 | V | - |
| 57 | R | - |
| 58 | LG | - |
| 59 | P | - |
| 61 | L | - |
| 62 | P | - [With VR30 engine] |
| 62 | V | - [With 2.0L turbo gasoline engine] |
| 63 | L | - |
| 64 | W | - |
| 66 | LG | - |
| 68 | L | - |
| 69 | P | - |
| 71 | GR | - [With 2.0L turbo gasoline engine] |
| 71 | R | - [With VR30 engine] |
| 72 | G | - [With VR30 engine] |
| 72 | Y | - [With 2.0L turbo gasoline engine] |
| 73 | R | - [With 2.0L turbo gasoline engine] |
| 73 | SHIELD | - [With VR30 engine] |
| 74 | BG | - [With 2.0L turbo gasoline engine] |
| 74 | L | - [With VR30 engine] |
| 75 | GR | - [With 2.0L turbo gasoline engine] |
| 75 | V | - [With VR30 engine] |
| 76 | GR | - [With VR30 engine] |
| 76 | V | - [With 2.0L turbo gasoline engine] |
| 77 | P | - |
| 78 | L | - |
| 79 | R | - |
| 80 | GR | - [With 2.0L turbo gasoline engine] |
| 80 | W | - [With VR30 engine] |
| 81 | B | - [With VR30 engine] |
| 81 | R | - [With 2.0L turbo gasoline engine] |
| 82 | G | - [With 2.0L turbo gasoline engine] |
| 82 | SHIELD | - [With VR30 engine] |
| 83 | R | - [With 2.0L turbo gasoline engine] |
| 83 | W | - [With VR30 engine] |
| 84 | BR | - [With VR30 engine] |
| 84 | SHIELD | - [With 2.0L turbo gasoline engine] |
| 85 | BG | - [With VR30 engine] |
| 85 | G | - [With 2.0L turbo gasoline engine] |
| 86 | R | - [With 2.0L turbo gasoline engine] |
| 86 | W | - [With VR30 engine] |
| 87 | LG | - [With VR30 engine] |
| 87 | SHIELD | - [With 2.0L turbo gasoline engine] |
| 89 | LG | - |
| 90 | P | - [With 2.0L turbo gasoline engine] |
| 90 | V | - [With VR30 engine] |
| 92 | L | - [With 2.0L turbo gasoline engine] |
| 92 | W | - [With VR30 engine] |
| 93 | R | - [With VR30 engine] |
| 93 | SHIELD | - [With 2.0L turbo gasoline engine] |
| 94 | R | - |
| 95 | L | - [With 2.0L turbo gasoline engine] |
| 95 | Y | - [With VR30 engine] |
| 96 | R | - [With 2.0L turbo gasoline engine] |
| 96 | W | - [With VR30 engine] |
| 97 | L | - [With VR30 engine] |
| 97 | R | - [With 2.0L turbo gasoline engine and with BOSE system] |
| 97 | W | - [With 2.0L turbo gasoline engine and without BOSE system] |
| 98 | LG | - |
| 99 | BR | - [With VR30 engine and with BOSE system] |
| 99 | P | - [With 2.0L turbo gasoline engine] |
| 99 | Y | - [With VR30 engine and without BOSE system] |
| 100 | BR | - [With VR30 engine] |
| 100 | W | - [With 2.0L turbo gasoline engine] |

| | |
|---|---|
| Connector No. | B66 |
| Connector Name | WIRE TO WIRE |
| Connector Type | NS16MW-CS |

H.S.




| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | R | - |
| 2 | BG | - |
| 4 | SHIELD | - |
| 5 | W | - |
| 6 | GR | - |
| 8 | B | - |
| 9 | R | - |
| 10 | P | - |
| 11 | B | - |
| 13 | SHIELD | - [With rear view monitor] |
| 13 | W | - [With around view monitor] |
| 14 | B | - [With rear view monitor] |
| 14 | G | - [With around view monitor] |
| 15 | R | - [With around view monitor] |
| 15 | W | - [With rear view monitor] |
| 16 | B | - [With around view monitor] |
| 16 | R | - [With rear view monitor] |

| | |
|---|---|
| Connector No. | B72 |
| Connector Name | WIRE TO WIRE |
| Connector Type | TH08FW-NH |

H.S.




| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 2 | SHIELD | - |
| 3 | R | - |
| 4 | L | - |
| 5 | R | - |
| 7 | P | - |

| | |
|---|---|
| Connector No. | B85 |
| Connector Name | EVAP CANISTER VENT CONTROL VALVE |
| Connector Type | E02FB-RS |

H.S.




| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | BG | VCC |
| 2 | LG | GND |

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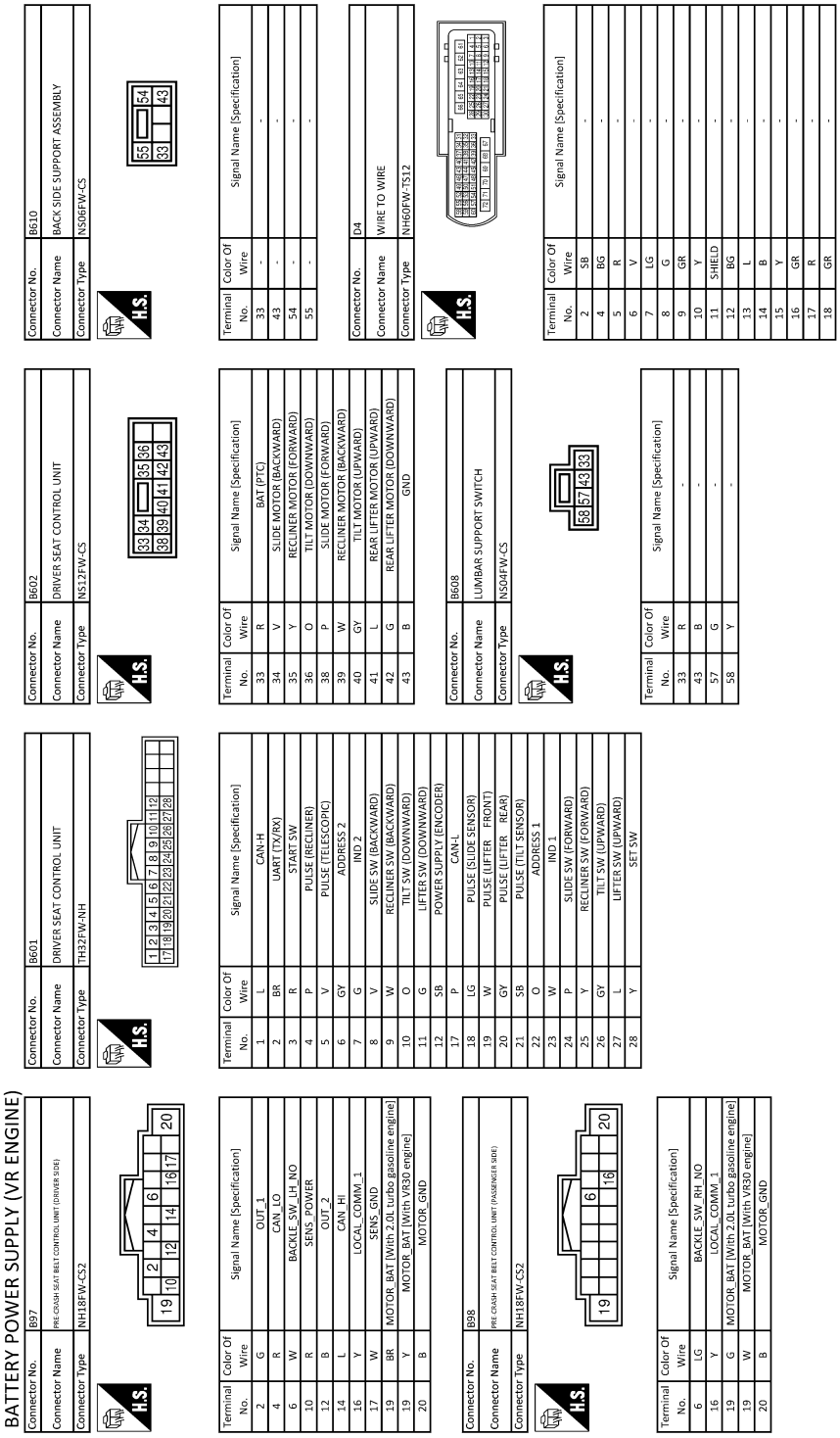


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BATTERY POWER SUPPLY (VR ENGINE)

| | | |
|---|---|---|
| 19 | R | - |
| 20 | W | - |
| 21 | LG | - |
| 22 | W | - |
| 23 | L | - |
| 24 | G | - |
| 25 | BR | - |
| 26 | R | - |
| 27 | BR | - |
| 28 | V | - |
| 29 | B | - |
| 30 | W | - |
| 31 | P | - |
| 32 | Y | - |
| 33 | BR | - |
| 34 | L | - |
| 35 | R | - |
| 36 | GR | - |
| 37 | G | - |
| 40 | LG | - [Color of wire differs depending on production] |
| 40 | P | - [Color of wire differs depending on production] |
| 41 | L | - |
| 43 | BG | - |
| 44 | Y | - |
| 46 | W | - |
| 47 | R | - |
| 49 | BR | - |
| 50 | B | - |
| 52 | V | - |
| 53 | GR | - |
| 55 | GR | - [Color of wire differs depending on production] |
| 55 | SB | - [Color of wire differs depending on production] |
| 56 | BR | - |
| 57 | R | - |
| 58 | L | - |
| 59 | V | - |
| 60 | G | - |
| 61 | BG | - |
| 62 | Y | - |
| 63 | SB | - |
| 64 | B | - |
| 65 | Y | - |
| 66 | BR | - |
| 68 | Y | - |
| 69 | L | - |
| 70 | W | - |
| 71 | LG | - |
| 72 | P | - |

| | |
|---|---|
| Connector No. | D9 |
| Connector Name | SEAT MEMORY SWITCH |
| Connector Type | TH16FW-NH |

H.S.




| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | V | - |
| 2 | BR | - |
| 3 | GR | - [Color of wire differs depending on production] |
| 3 | SB | - [Color of wire differs depending on production] |
| 4 | B | - |
| 5 | BG | - |
| 6 | W | - |
| 7 | LG | - [Color of wire differs depending on production] |
| 7 | P | - [Color of wire differs depending on production] |
| 8 | L | - |
| 9 | G | - |

| | |
|---|---|
| Connector No. | E10 |
| Connector Name | WIRE TO WIRE |
| Connector Type | SAA36MB-RS8-SH28 |

H.S.




| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | R | - |
| 2 | R | - |
| 3 | LG | - |
| 4 | R | - |
| 5 | G | - |
| 7 | V | - |
| 8 | W | - |
| 9 | W | - |
| 10 | BG | - |

| | |
|---|---|
| 11 | LG |
| 12 | BG |
| 13 | L |
| 14 | Y |
| 15 | LG |
| 16 | G |
| 17 | L |
| 18 | P |
| 19 | GR |
| 20 | G |
| 21 | GR |
| 22 | W |
| 23 | G |
| 24 | BG |
| 25 | V |
| 26 | BR |
| 27 | W |
| 28 | BG |
| 29 | LG |
| 30 | G |
| 31 | Y |
| 32 | R |
| 33 | B |
| 34 | V |
| 35 | LG |
| 36 | W |
| 37 | V |
| 38 | BR |
| 39 | GR |
| 40 | SHIELD |
| 41 | B |
| 42 | R |
| 43 | Y |
| 44 | SHIELD |
| 45 | Y |
| 46 | P |
| 47 | L |
| 48 | LG |
| 49 | BG |
| 50 | SHIELD |
| 51 | W |
| 52 | G |

| | |
|---|---|
| Connector No. | E15 |
| Connector Name | FRONT FOG LAMP LH |
| Connector Type | FH2021FB |

H.S.




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

| | |
|---|---|
| Connector No. | E16 |
| Connector Name | FRONT FOG LAMP RH |
| Connector Type | FH2021FB |

H.S.




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

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BATTERY POWER SUPPLY (VR ENGINE)

| Connector No. | E25 |
|---|---|
| Connector Name | WIRE TO WIRE |
| Connector Type | TH80FW-CS16-TM4 |

H.S.



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | BG | - |
| 6 | V | - |
| 7 | L | - |
| 8 | BG | - [With VR30 engine] |
| 8 | BR | - [With 2.0L turbo gasoline engine] |
| 9 | B | - [With 2.0L turbo gasoline engine] |
| 9 | GR | - [With VR30 engine] [Color of wire differs depending on production] |
| 9 | LG | - [With VR30 engine] [Color of wire differs depending on production] |
| 10 | BR | - |
| 11 | L | - |
| 12 | GR | - [With VR30 engine] |
| 12 | P | - [With 2.0L turbo gasoline engine] |
| 13 | SHIELD | - [With 2.0L turbo gasoline engine] |
| 13 | W | - [With VR30 engine] |
| 14 | B | - |
| 15 | GR | - [With 2.0L turbo gasoline engine] |
| 15 | SB | - [With VR30 engine] |
| 16 | BR | - [With 2.0L turbo gasoline engine] |
| 16 | Y | - [With VR30 engine] |
| 17 | BR | - [With VR30 engine] |
| 17 | GR | - [With 2.0L turbo gasoline engine] |
| 18 | G | - [With 2.0L turbo gasoline engine] |
| 18 | P | - [With VR30 engine] |
| 19 | Y | - |
| 31 | W | - [With 2.0L turbo gasoline engine] |
| 31 | Y | - [With VR30 engine] |
| 32 | G | - [With 2.0L turbo gasoline engine] |
| 32 | GR | - [With VR30 engine] |
| 33 | L | - [With VR30 engine] |
| 33 | Y | - [With 2.0L turbo gasoline engine] |
| 34 | P | - |
| 35 | GR | - |
| 36 | R | - |
| 37 | L | - [With 2.0L turbo gasoline engine] |
| 37 | V | - [With VR30 engine] |
| 38 | L | - [With VR30 engine] |

| 38 | P | - [With 2.0L turbo gasoline engine and without gateway] |
|---|---|---|
| 38 | R | - [With 2.0L turbo gasoline engine and with gateway] |
| 39 | BR | - [With 2.0L turbo gasoline engine] |
| 39 | Y | - [With VR30 engine] |
| 40 | SB | - |
| 41 | LG | - |
| 44 | Y | - |
| 45 | L | - [With 2.0L turbo gasoline engine] |
| 45 | W | - [With VR30 engine] |
| 46 | B | - [With VR30 engine] |
| 46 | Y | - [With 2.0L turbo gasoline engine] |
| 47 | G | - |
| 48 | SHIELD | - |
| 49 | R | - |
| 50 | BR | - [With VR30 engine] |
| 50 | GR | - [With 2.0L turbo gasoline engine] |
| 51 | L | - |
| 52 | W | - |
| 53 | V | - |
| 54 | P | - [With VR30 engine] |
| 54 | W | - [With 2.0L turbo gasoline engine] |
| 55 | B | - [With 2.0L turbo gasoline engine] |
| 55 | W | - [With VR30 engine] |
| 56 | BG | - [With 2.0L turbo gasoline engine] |
| 56 | SB | - [With VR30 engine] |
| 57 | BG | - [With VR30 engine] |
| 57 | W | - [With 2.0L turbo gasoline engine] |
| 58 | B | - [Color of wire differs depending on production] |
| 58 | B/W | - [Color of wire differs depending on production] |
| 59 | W | - |
| 61 | R | - |
| 64 | Y | - |
| 65 | BR | - [Color of wire differs depending on production] |
| 65 | GR | - [Color of wire differs depending on production] |
| 66 | GR | - |
| 67 | LG | - |
| 68 | BG | - |
| 69 | L | - |
| 70 | R | - |
| 71 | G | - [With 2.0L turbo gasoline engine] |
| 71 | LG | - [With VR30 engine] |
| 72 | L | - [With 2.0L turbo gasoline engine] |
| 72 | V | - [With VR30 engine] |
| 73 | G | - [With VR30 engine] |
| 73 | W | - [With 2.0L turbo gasoline engine] |
| 74 | BR | - [With VR30 engine] |
| 74 | L | - [With 2.0L turbo gasoline engine] |
| 75 | P | - [With 2.0L turbo gasoline engine and without gateway] |
| 75 | R | - [With 2.0L turbo gasoline engine and with gateway] |
| 75 | V | - [With VR30 engine] |

| 76 | G | - |
|---|---|---|
| 77 | Y | - |
| 78 | LG | - [With 2.0L turbo gasoline engine and with ADAS] |
| 78 | P | - [With VR30 engine] |
| 78 | V | - [With 2.0L turbo gasoline engine and without ADAS] |
| 79 | SB | - |
| 80 | G | - |
| 81 | R | - |
| 82 | V | - |
| 83 | BR | - [With 2.0L turbo gasoline engine] |
| 83 | R | - [With VR30 engine] |
| 84 | LG | - |
| 86 | BG | - |
| 87 | G | - |
| 89 | LG | - [With VR30 engine] |
| 90 | G | - [With 2.0L turbo gasoline engine] |
| 90 | GR | - [With VR30 engine] |
| 91 | G | - |
| 93 | BG | - |
| 94 | GR | - [With VR30 engine] |
| 94 | L | - [With 2.0L turbo gasoline engine] |
| 95 | BG | - [With VR30 engine] |
| 95 | P | - [With 2.0L turbo gasoline engine and without gateway] |
| 95 | R | - [With 2.0L turbo gasoline engine and with gateway] |
| 96 | W | - |
| 97 | LG | - |
| 98 | L | - |
| 99 | LG | - [With 2.0L turbo gasoline engine] |
| 99 | P | - [With VR30 engine] |
| 100 | SHIELD | - |

| Connector No. | E27 |
|---|---|
| Connector Name | STEERING ANGLE MAIN CONTROL MODULE |
| Connector Type | Y02FB-1V |

H.S.



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 33 | B | GROUND |
| 34 | R | BATTERY POWER SUPPLY |

| Connector No. | E30 |
|---|---|
| Connector Name | STEERING ANGLE SUB CONTROL MODULE |
| Connector Type | Y02FB-1V |

H.S.



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 33 | B | GROUND |
| 34 | G | BATTERY POWER SUPPLY |

| Connector No. | E35 |
|---|---|
| Connector Name | ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT) |
| Connector Type | 5AZ30FB-SJZ4-U |

H.S.



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | B | GND |
| 2 | B | GND |
| 3 | G | VALVE BATTERY [With VR30 engine] |
| 3 | P | VALVE BATTERY [With 2.0L turbo gasoline engine] |
| 4 | Y | MOTOR BATTERY |
| 5 | LG | STOP LAMP SW SIGNAL [With ADAS] |
| 5 | V | STOP LAMP SW SIGNAL [With ASCD] |
| 7 | GR | RR LH WHEEL SENSOR SIGNAL |
| 8 | G | RR LH WHEEL SENSOR POWER SUPPLY |
| 9 | BR | FR RH WHEEL SENSOR SIGNAL |
| 10 | GR | FR RH WHEEL SENSOR POWER SUPPLY |
| 13 | R | VACUUM SENSOR SIGNAL |
| 15 | P | CAN-L [Without Gateway] |
| 15 | R | CAN-L [With gateway] |
| 17 | Y | RR RH WHEEL SENSOR SIGNAL |
| 18 | LG | RR RH WHEEL SENSOR POWER SUPPLY [With 2.0L turbo gasoline engine] |
| 18 | V | RR RH WHEEL SENSOR POWER SUPPLY [With VR30 engine] |
| 19 | SB | FR LH WHEEL SENSOR SIGNAL |

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BATTERY POWER SUPPLY (VR ENGINE)

| 20 | BG | FR LH WHEEL SENSOR POWER SUPPLY |
|---|---|---|
| 25 | L | CAN-H |
| 28 | G | VACUUM SENSOR POWER SUPPLY |
| 30 | R | VDC OFF SW SIGNAL |
| 32 | SHIELD | VACUUM SENSOR GROUND |
| 34 | G | IGN |

| Connector No. | E41 |
|---|---|
| Connector Name | FRONT COMBINATION LAMP LH |
| Connector Type | RS08FB-PR |

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | GR | - |
| 2 | Y | - |
| 3 | B/Y | - |
| 4 | B | - [With 2.0L turbo gasoline engine] |
| 4 | B/W | - [With VR30 engine] |
| 5 | SB | - [Color of wire differs depending on production] |
| 5 | V | - [Color of wire differs depending on production] |
| 7 | P | - |
| 8 | LG | - |

| Connector No. | E42 |
|---|---|
| Connector Name | FRONT COMBINATION LAMP RH |
| Connector Type | RS08FB-PR |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | LG | - [With 2.0L turbo gasoline engine] |
| 1 | Y | - [With VR30 engine] |
| 2 | V | - |

| 3 | B/Y | - |
|---|---|---|
| 4 | B | - [With 2.0L turbo gasoline engine] |
| 4 | B/W | - [With VR30 engine] |
| 5 | R | - |
| 7 | BR | - |
| 8 | P | - |

| Connector No. | E45 |
|---|---|
| Connector Name | INTELLIGENT KEY WARNING BUZZER |
| Connector Type | RK03FBR |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | Y | (+)BAT |
| 3 | BG | BUZZER_SIGNAL [With VR30 engine] |
| 3 | LG | BUZZER_SIGNAL [With 2.0L turbo gasoline engine] |

| Connector No. | E46 |
|---|---|
| Connector Name | FUSE AND FUSIBLE LINK BLOCK |
| Connector Type | 24384_4GA0A |





| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 65 | GR | - |
| 66 | SB | - |
| 67 | BG | - |
| 68 | LG | - [With VR30 engine] |
| 68 | Y | - [With 2.0L turbo gasoline engine] |
| 69 | V | - [With VR30 engine] |
| 69 | W | - [With 2.0L turbo gasoline engine] |
| 70 | GR | - [With VR30 engine] |
| 70 | LG | - [With 2.0L turbo gasoline engine] |

| 71 | BG | - [With VR30 engine] |
|---|---|---|
| 71 | GR | - [With 2.0L turbo gasoline engine] |
| 72 | G | - |
| 73 | P | - |
| G | L | - [With VR30 engine] |
| G | R | - [With 2.0L turbo gasoline engine] |
| H | G | - [With 2.0L turbo gasoline engine] |
| H | R | - [With VR30 engine] |
| J | BR | - [With EPS] [With 2.0L turbo gasoline engine] |
| J | R | - [Without EPS] |
| J | W | - [With EPS] [With VR30 engine] |
| K | L | - |
| L | G | - [With VR30 engine] |
| L | P | - [With 2.0L turbo gasoline engine] |
| M | W | - |
| N | Y | - |
| O | L | - |
| Q | BG | - [With 2.0L turbo gasoline engine] |
| Q | G | - [With VR30 engine] |
| R | GR | - |
| S | BG | - [With 2.0L turbo gasoline engine] |
| S | BR | - [With VR30 engine] |

| Connector No. | E52 |
|---|---|
| Connector Name | ICC BRAKE HOLD RELAY |
| Connector Type | MS02FL-M2-LC |





| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | Y | - |
| 2 | G | - |
| 3 | V | - |
| 5 | BR | - [With 2.0L turbo gasoline engine] |
| 5 | L | - [With VR30 engine] |

| Connector No. | E57 |
|---|---|
| Connector Name | STOP LAMP SWITCH |
| Connector Type | M04FW-LC |





| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | G | - [With ASCD] |
| 1 | L | - [With ADAS] |
| 2 | GR | - [With ASCD] |
| 2 | LG | - [With ADAS] |
| 3 | BR | - |
| 4 | V | - |

| Connector No. | E63 |
|---|---|
| Connector Name | FUSE BLOCK (J/B) |
| Connector Type | L02FB-MC |





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

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BATTERY POWER SUPPLY (VR ENGINE)

| Connector No. | E64 |
|---|---|
| Connector Name | FUSE BLOCK (J/B) |
| Connector Type | NS08FW-CS |

H.S.


| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1E | G | - |
| 2E | P | - |
| 3E | V | - |
| 4E | GR | - |
| 6E | L | - |
| 7E | BG | - |

| Connector No. | E65 |
|---|---|
| Connector Name | FUSE BLOCK (J/B) |
| Connector Type | TH12FW-NH |

H.S.




| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 10F | W | - |
| 11F | G | - [Color of wire differs depending on production] |
| 11F | R | - [Color of wire differs depending on production] |
| 12F | W | - [With VR30 engine] |
| 12F | Y | - [With 2.0L turbo gasoline engine] |
| 1F | R | - |
| 2F | BR | - |
| 3F | P | - |
| 5F | P | - |
| 6F | L | - |
| 7F | R | - |
| 8F | L | - |
| 9F | L | - |

| Connector No. | E66 |
|---|---|
| Connector Name | WIRE TO WIRE |
| Connector Type | L01FB-MC |

H.S.


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

| Connector No. | E101 |
|---|---|
| Connector Name | VEHICLE SECURITY HORN RELAY |
| Connector Type | 24384_4GA0A |

H.S.


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

| Connector No. | E102 |
|---|---|
| Connector Name | HORN RELAY |
| Connector Type | 24384_4GA0A |

H.S.


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

| Connector No. | E103 |
|---|---|
| Connector Name | COOLING FAN RELAY 1 |
| Connector Type | 24384_4GA0A |

H.S.


| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | G | - |
| 2 | SB | - |
| 3 | BR | - |
| 5 | R | - |

| Connector No. | E104 |
|---|---|
| Connector Name | DAYTIME RUNNINGLIGHT RELAY |
| Connector Type | 24384_4GA0A |

H.S.


| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | L | - |
| 2 | W | - |
| 3 | GR | - |
| 5 | P | - |
| 6 | LG | - [With 2.0L turbo gasoline engine] |
| 6 | Y | - [With VR30 engine] |
| 7 | G | - |

| Connector No. | E118 |
|---|---|
| Connector Name | IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) |
| Connector Type | L02FB-MC |

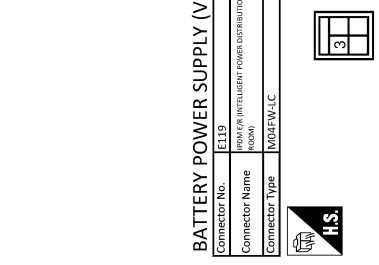
H.S.


| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | L | - [With 2.0L turbo gasoline engine] |
| 1 | W | - [With VR30 engine] |
| 2 | L | - [With VR30 engine] |
| 2 | R | - [With 2.0L turbo gasoline engine] |

JRMWJ4824GB

BATTERY POWER SUPPLY (VR ENGINE)

| Connector No. | E119 |
|---|---|
| Connector Name | IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) |
| Connector Type | M04FW-LC |



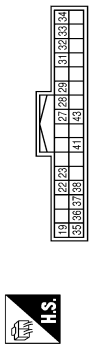

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 3 | GR | - |

| Connector No. | E120 |
|---|---|
| Connector Name | IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) |
| Connector Type | NS12FW-CS |




| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 7 | B/W | - |
| 9 | P | - |
| 10 | LG | - |
| 11 | V | - |
| 13 | BG | - |
| 14 | SB | - |
| 15 | BR | - |
| 17 | GR | - |
| 18 | L | - |

| Connector No. | E121 |
|---|---|
| Connector Name | IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) |
| Connector Type | TH32FW-NH |

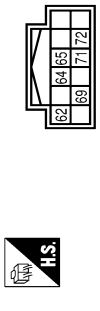



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 19 | L | - [With 2.0L turbo gasoline engine] |
| 19 | P | - [With VR30 engine] |
| 22 | BG | - |
| 23 | GR | - [With VR30 engine] |
| 23 | LG | - [With 2.0L turbo gasoline engine and without Anti theft diode] |
| 23 | P | - [With 2.0L turbo gasoline engine and with Anti theft diode] |
| 27 | GR | - |
| 28 | P | - |
| 29 | L | - |
| 31 | G | - |
| 32 | SB | - |
| 33 | SB | - |
| 34 | Y | - |
| 35 | G | - |
| 36 | SB | - [With VR30 engine] |
| 36 | W | - [With 2.0L turbo gasoline engine] |
| 37 | GR | - |
| 38 | BR | - |
| 41 | GR | - |
| 43 | V | - |

| Connector No. | E123 |
|---|---|
| Connector Name | IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) |
| Connector Type | NS10FW-CS |


| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 52 | Y | - |
| 54 | SB | - |
| 55 | W | - |
| 56 | L | - |
| 57 | LG | - |
| 58 | P | - |
| 59 | R | - |
| 61 | GR | - |

| Connector No. | E124 |
|---|---|
| Connector Name | IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) |
| Connector Type | TH12FW-NH |




| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 62 | G | - |
| 64 | SB | - |
| 65 | V | - |
| 69 | G | - |
| 71 | W | - |
| 72 | Y | - |

| Connector No. | E125 |
|---|---|
| Connector Name | IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) |
| Connector Type | NS08FW-CS |


| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 74 | G | - |
| 75 | R | - |
| 76 | SB | - [Color of wire differs depending on production] |
| 76 | V | - [Color of wire differs depending on production] |
| 78 | W | - |
| 79 | L | - |
| 80 | BR | - |
| 81 | P | - |

| Connector No. | E126 |
|---|---|
| Connector Name | IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) |
| Connector Type | TH16FW-NH |




| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 85 | L | - |
| 90 | BR | - |
| 93 | V | - |
| 94 | Y | - |
| 96 | P | - [With VR30 engine] |
| 96 | SB | - [With 2.0L turbo gasoline engine] |

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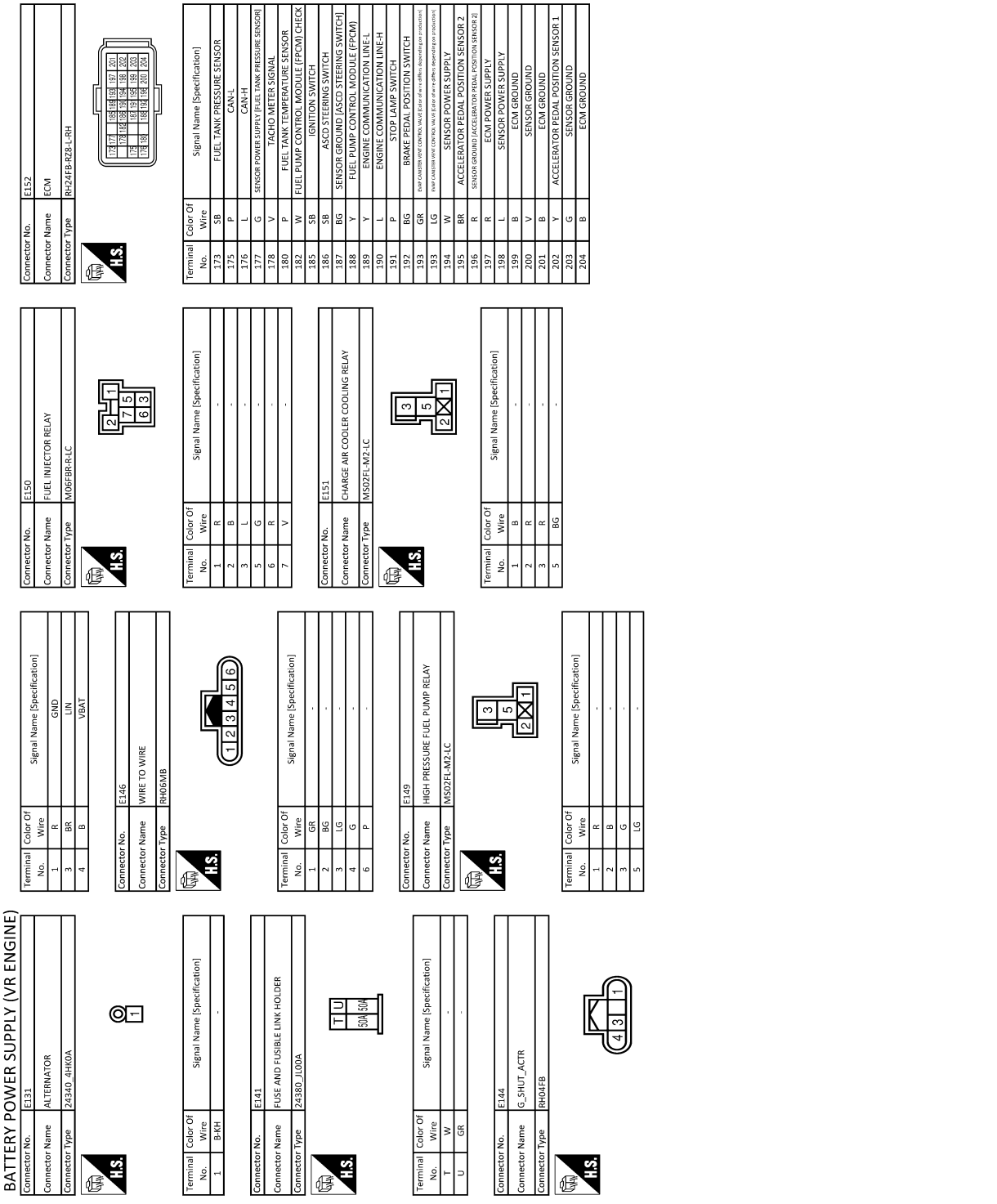


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BATTERY POWER SUPPLY (VR ENGINE)

| Connector No. | E154 |
|---|---|
| Connector Name | ELECTRIC INTAKE VALVE TIMING CONTROL MODULE |
| Connector Type | SJT02FB-SNZ2 |

H.S.




| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 39 | R | POWER SUPPLY |
| 40 | L | POWER SUPPLY |
| 41 | B | GROUND |

| Connector No. | E169 |
|---|---|
| Connector Name | COOLING FAN RELAY 2 |
| Connector Type | 24347-9F900 |

H.S.




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

| Connector No. | E173 |
|---|---|
| Connector Name | JOINT CONNECTOR-E02 |
| Connector Type | SGA28FDGY-J |

H.S.



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | G | - [Color of wire differs depending on production] |
| 1 | R | - [Color of wire differs depending on production] |
| 3 | B | - |
| 4 | B | |
| 5 | G | - |
| 6 | BR | - |
| 7 | B | - |
| 8 | B | - |
| 9 | G | - |
| 10 | L | - |
| 12 | B | - |
| 13 | G | - |
| 14 | BR | - |
| 17 | G | - |
| 21 | G | - |
| 25 | R | - |
| 26 | L | - |

| Connector No. | E177 |
|---|---|
| Connector Name | POWER STEERING CONTROL MODULE |
| Connector Type | Y02FB-1V |

H.S.




| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | B | GROUND |
| 2 | W | BATTERY POWER SUPPLY |

| Connector No. | E179 |
|---|---|
| Connector Name | WIRE TO WIRE |
| Connector Type | Y02FGY |

H.S.




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

| Connector No. | E181 |
|---|---|
| Connector Name | WIRE TO WIRE |
| Connector Type | Y02MGY |

H.S.




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

| Connector No. | E182 |
|---|---|
| Connector Name | BATTERY TERMINAL WITH FUSIBLE LINK |
| Connector Type | L02FBR-MC |

H.S.




| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 3 | R | - |
| 4 | L | - [With VR30 engine] |
| 4 | R | - [With 2.0L turbo gasoline engine] |

| Connector No. | E183 |
|---|---|
| Connector Name | BATTERY TERMINAL WITH FUSIBLE LINK |
| Connector Type | L02FGY-MC |

H.S.




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

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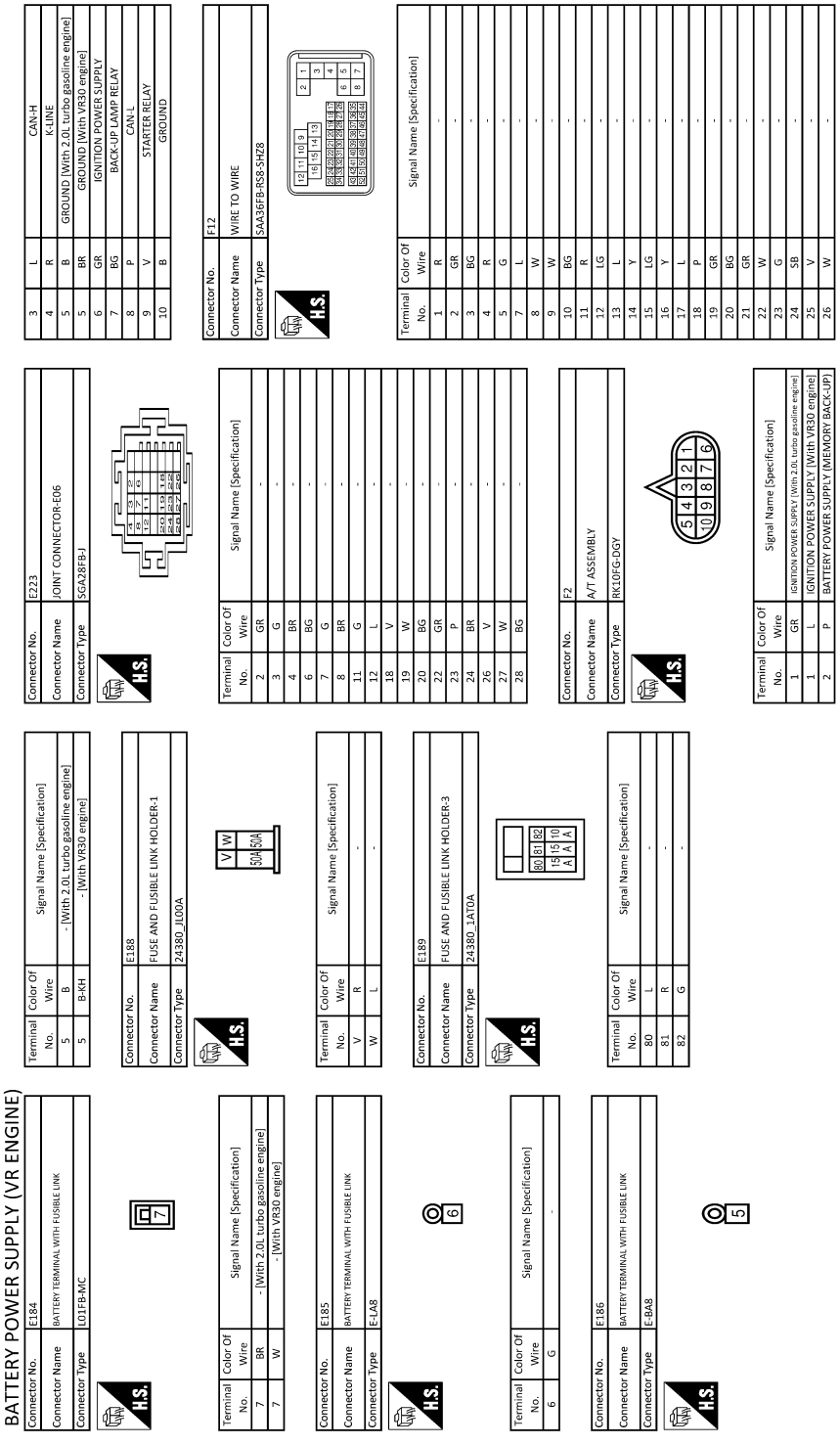
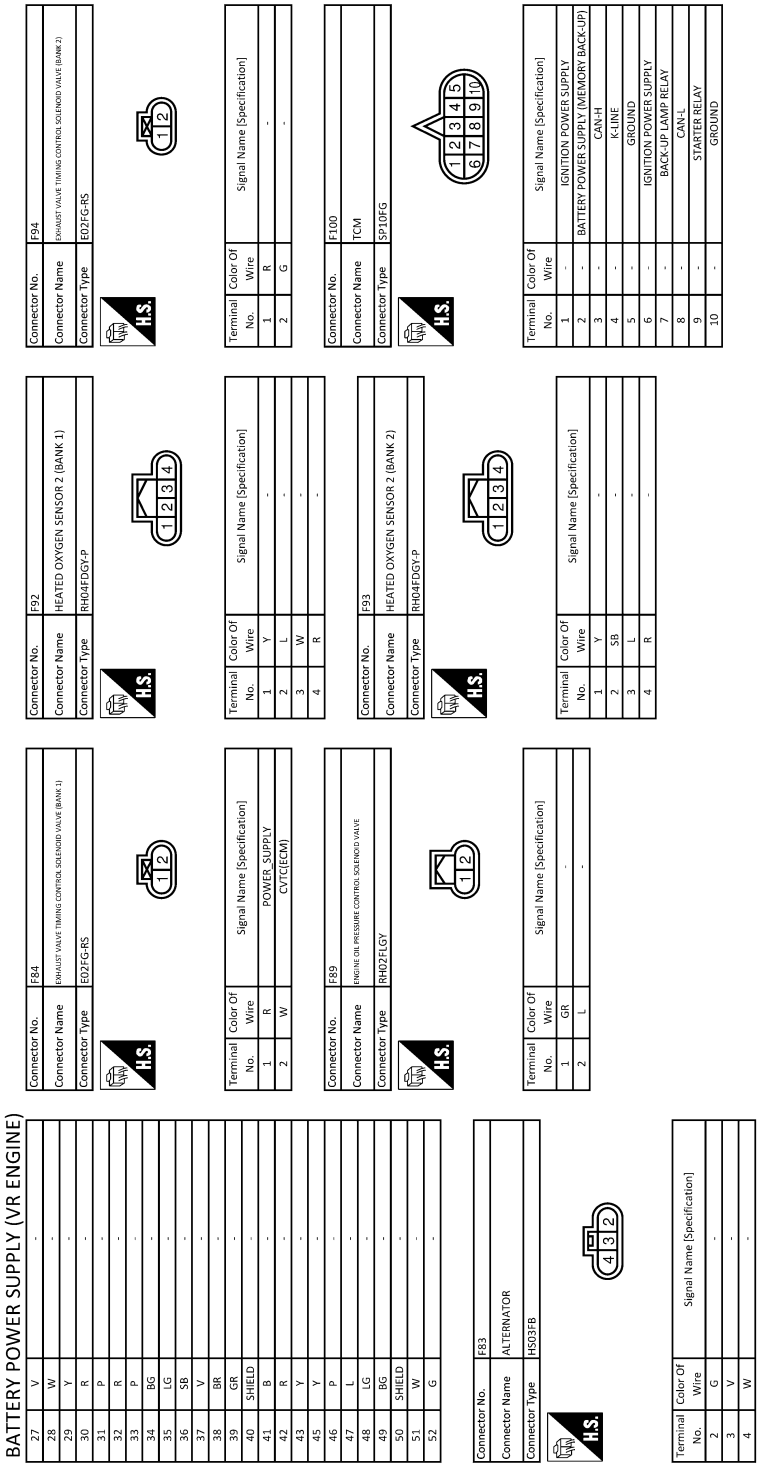



JRMWJ4828GB

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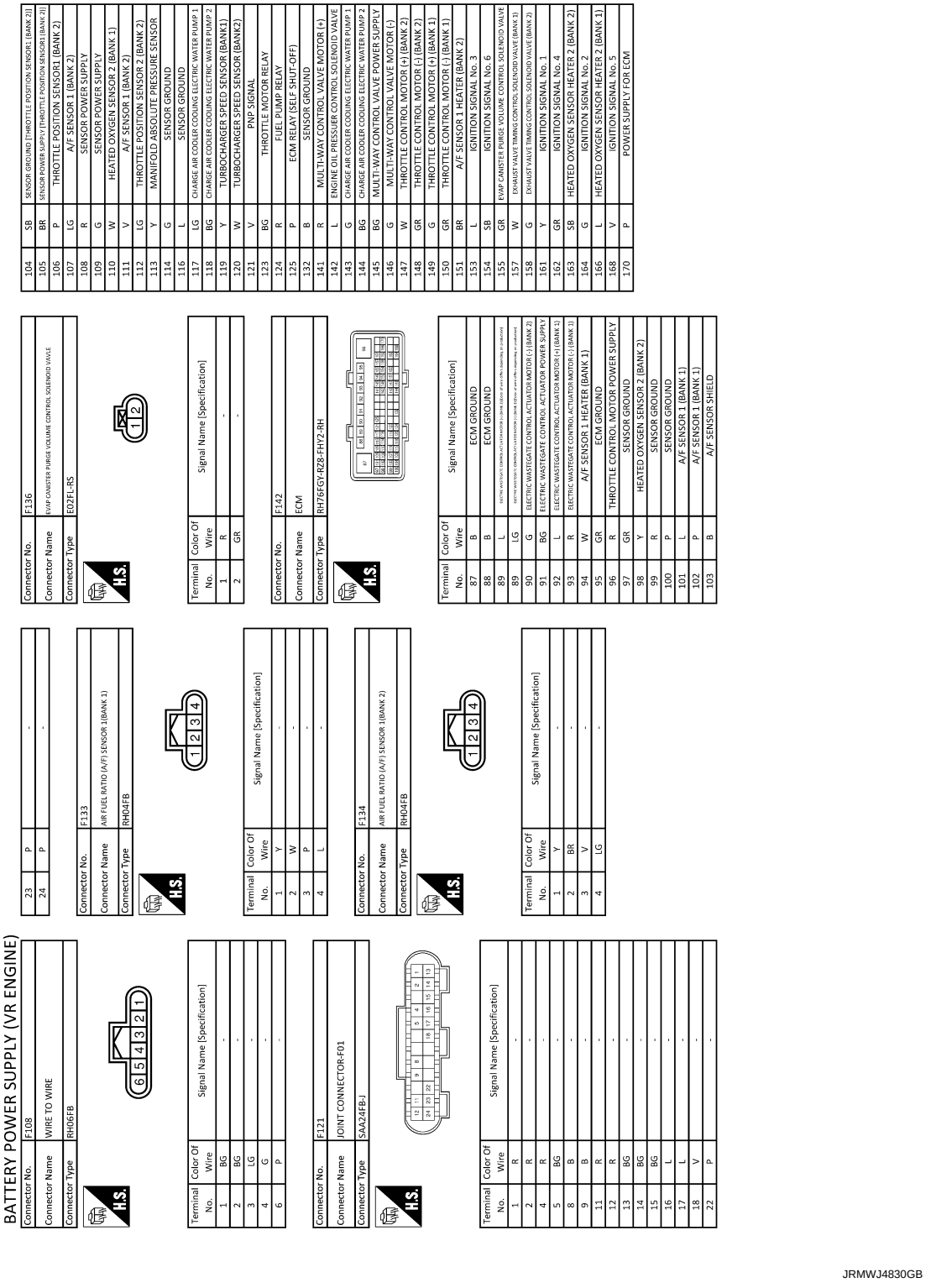
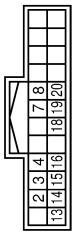



JRMWJ4830GB

BATTERY POWER SUPPLY (VR ENGINE)

| Connector No. | M1 |
|---|---|
| Connector Name | INTEGRAL SWITCH |
| Connector Type | TH24FW-NH |

H.S.




| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 2 | R | ILLUMINATION SIGNAL |
| 3 | LG | AV COMM (L) |
| 4 | SB | AV COMM (H) |
| 7 | W/B | DISK EJECT SIGNAL |
| 8 | G | HAZERD SIGNAL |
| 13 | B | GND |
| 14 | SB | ACC [For 2.0L turbo gasoline engine] |
| 14 | V | ACC [For VR30 engine] |
| 15 | B | ILLUMINATION CONTROL SIGNAL |
| 16 | BG | DISK EJECT SIGNAL GROUND |
| 18 | R | IGN [For VR30 engine] |
| 19 | W | IGN [For 2.0L turbo gasoline engine] |
| 19 | BR | CAMERA SWITCH SIGNAL |
| 20 | LG | AIR BAG INDICATOR OFF SIGNAL |

| Connector No. | M7 |
|---|---|
| Connector Name | A/T SHIFT SELECTOR |
| Connector Type | TH12FW-NH |

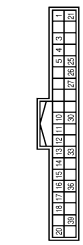
H.S.


| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | SB | - |
| 2 | GR | - |
| 3 | BG | - |
| 4 | B | - |
| 5 | G | - |
| 7 | R | - |

| 8 | P | - [With VR30 engine] |
|---|---|---|
| 8 | V | - [With 2.0L turbo gasoline engine] |
| 9 | B | - |
| 10 | GR | - |
| 11 | R | - |

| Connector No. | M13 |
|---|---|
| Connector Name | BCM (BODY CONTROL MODULE) |
| Connector Type | TH40FG-NH |

H.S.




| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | R | PUSH SW |
| 3 | Y | SENS PWR SPLY |
| 4 | BG | OPTICAL SENSOR |
| 5 | LG | - |
| 10 | W | COMBI SW OUTPUT 5 |
| 11 | SB | COMBI SW OUTPUT 4 |
| 12 | L | COMBI SW OUTPUT 3 |
| 13 | G | COMBI SW OUTPUT 2 |
| 14 | P | COMBI SW OUTPUT 1 |
| 15 | G | ONE TOUCH UNLK SENS [DR] |
| 16 | G | ONE TOUCH UNLK SENS [PASS] |
| 17 | P | RECEIVER/SENSOR GND |
| 18 | L | SECURITY IND LAMP CONT |
| 20 | R | DETENT SW |
| 21 | SB | STEP LAMP CONT |
| 25 | R | STOP LAMP SW2 |
| 26 | R | EXTENDED STORAGE FUSE SW |
| 27 | P | STOP LAMP SW |
| 30 | W | DR DOOR UNLK SENS |
| 33 | V | TR LID OP CANCEL SW |
| 36 | G | HAZARD SW |
| 39 | BR | P/N POSITION |

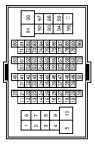
| Connector No. | M17 |
|---|---|
| Connector Name | BCM (BODY CONTROL MODULE) |
| Connector Type | FEA09FW-FHA6-SA |

H.S.


| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 129 | LG | INT ROOM LAMP PWR SPLY |
| 130 | P | PASS DOOR UNLK OUTPUT |
| 131 | Y | BAT (FUSE) |
| 132 | V | RR, RL DOOR LK OUTPUT |
| 133 | BR | RR, RL DOOR UNLK OUTPUT |
| 134 | B | GND |
| 135 | V | FRONT DOOR, FL LID LK OUTPUT |
| 136 | V | INT ROOM LAMP CONT |
| 137 | LG | FRONT DOOR, FL LID UNLK OUTPUT |
| 138 | P | REAR DOORS ACT PWR SPLY [With VR30 engine] |
| 138 | R | REAR DOORS ACT PWR SPLY [With 2.0L turbo gasoline engine] |
| 139 | W | BAT (F/L) |
| 140 | BR | IGN ON |
| 141 | R | PWR SPLY (BAT) |
| 142 | R | FRONT DOORS, FL LID ACT PWR SPLY |
| 143 | B | GND |

| Connector No. | M19 |
|---|---|
| Connector Name | WIRE TO WIRE |
| Connector Type | TH80MW-CS16-TM4 |

H.S.



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

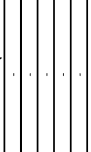
| 5 | Y | - |
|---|---|---|
| 6 | R | - |
| 7 | W | - |
| 8 | V | - |
| 10 | BG | - |
| 11 | BR | - |
| 12 | LG | - |
| 13 | GR | - |
| 14 | R | - |
| 15 | L | - |
| 16 | V | - |
| 18 | W | - |
| 19 | BR | - |
| 20 | W | - |
| 22 | SB | - |
| 23 | R | - |
| 24 | R | - [With 2.0L turbo gasoline engine] |
| 24 | Y | - [With VR30 engine] |
| 25 | P | - [With 2.0L turbo gasoline engine] |
| 25 | W | - [With VR30 engine] |
| 26 | G | - |
| 27 | R | - |
| 28 | R | - |
| 31 | BR | - |
| 32 | B | - |
| 33 | B | - |
| 34 | V | - |
| 35 | P | - |
| 36 | W | - |
| 37 | SB | - |
| 38 | LG | - |
| 40 | P | - |
| 41 | G | - |
| 42 | BR | - |
| 43 | BR | - |
| 44 | BR | - |
| 46 | BG | - |
| 50 | W | - |
| 51 | Y | - |
| 52 | V | - |
| 53 | LG | - |
| 54 | R | - |
| 55 | R | - |
| 57 | W | - |
| 58 | V | - |
| 59 | BG | - |
| 60 | G | - |
| 61 | G | - |
| 62 | BG | - |
| 63 | BR | - |

JRMWJ4831GB

BATTERY POWER SUPPLY (VR ENGINE)

| | | |
|---|---|---|
| 64 | Y | - |
| 66 | R | - |
| 70 | LG | - |
| 71 | W | - |
| 72 | B | - |
| 73 | W | - |
| 74 | L | - |
| 75 | W | - |
| 76 | BR | - |
| 77 | B | - |
| 78 | SB | - |
| 79 | P | - [With VR30 engine] |
| 79 | W | - [With 2.0L turbo gasoline engine] |
| 81 | B | - |
| 82 | R | - |
| 83 | BG | - |
| 84 | L | - |
| 85 | W | - |
| 86 | B | - |
| 88 | G | - |
| 89 | V | - [With 2.0L turbo gasoline engine] |
| 89 | W | - [With VR30 engine] |
| 91 | GR | - |
| 94 | GR | - |
| 96 | W | - |
| 97 | V | - |
| 98 | BR | - [With VR30 engine and with BOSE system] |
| 98 | Y | - [Except with VR30 engine and with BOSE system] |

| | |
|---|---|
| Connector No. | M22 |
| Connector Name | WIRE TO WIRE |
| Connector Type | TH80MW-CS16-TM4 |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | LG | - |
| 2 | L | - [With VR30 engine] |
| 2 | SHIELD | - [With 2.0L turbo gasoline engine] |
| 3 | BR | - [With 2.0L turbo gasoline engine] |
| 3 | R | - [With VR30 engine] |
| 4 | SHIELD | - [With VR30 engine] |

| | | |
|---|---|---|
| 4 | Y | - [With 2.0L turbo gasoline engine] |
| 5 | G | - [With VR30 engine] |
| 5 | V | - [With 2.0L turbo gasoline engine] |
| 6 | BG | - [With VR30 engine] |
| 6 | BR | - [With 2.0L turbo gasoline engine] |
| 7 | LG | - [With VR30 engine] |
| 7 | P | - [With 2.0L turbo gasoline engine] |
| 8 | G | - [With 2.0L turbo gasoline engine] |
| 8 | P | - [With VR30 engine] |
| 9 | LG | - [With 2.0L turbo gasoline engine] |
| 9 | SHIELD | - [With VR30 engine] |
| 10 | V | - |
| 11 | GR | - |
| 12 | V | - |
| 13 | LG | - |
| 14 | LG | - |
| 15 | BR | - [With 2.0L turbo gasoline engine] |
| 15 | P | - [With VR30 engine] |
| 16 | SB | - [With DCM] |
| 16 | V | - [Without DCM] |
| 17 | Y | - |
| 18 | L | - |
| 19 | G | - |
| 20 | GR | - |
| 21 | R | - |
| 22 | V | - |
| 23 | L | - |
| 24 | BG | - [With 2.0L turbo gasoline engine] |
| 24 | V | - [With VR30 engine] |
| 25 | L | - [With 2.0L turbo gasoline engine] |
| 25 | SB | - [With VR30 engine] |
| 26 | G | - [With VR30 engine] |
| 26 | W | - [With 2.0L turbo gasoline engine] |
| 27 | R | - |
| 29 | LG | - |
| 30 | SB | - [With VR30 engine] |
| 30 | W | - [With 2.0L turbo gasoline engine] |
| 31 | SHIELD | - |
| 32 | L | - |
| 33 | B | - [With VR30 engine] |
| 33 | LG | - [With 2.0L turbo gasoline engine] |
| 34 | SHIELD | - |
| 35 | LG | - [With VR30 engine] |
| 35 | W | - [With 2.0L turbo gasoline engine] |
| 36 | R | - [With VR30 engine] |
| 36 | V | - [With 2.0L turbo gasoline engine] |
| 37 | R | - [With VR30 engine] |
| 37 | V | - [With 2.0L turbo gasoline engine] |
| 38 | W | - |
| 39 | P | - [With VR30 engine and without BOSE system] |

| | | |
|---|---|---|
| 39 | R | - [With 2.0L turbo gasoline engine] |
| 39 | V | - [With VR30 engine and with BOSE system] |
| 40 | G | - |
| 41 | L | - |
| 42 | R | - |
| 43 | SHIELD | - |
| 44 | P | - |
| 45 | B | - [With 2.0L turbo gasoline engine] |
| 45 | G | - [With VR30 engine] |
| 46 | SHIELD | - |
| 47 | G | - |
| 48 | BG | - [Except with VR30 engine and with BOSE system] |
| 48 | BR | - [With VR30 engine and with BOSE system] |
| 49 | G | - |
| 50 | V | - |
| 51 | V | - |
| 52 | L | - [With 2.0L turbo gasoline engine] |
| 52 | Y | - [With VR30 engine] |
| 53 | R | - |
| 54 | GR | - |
| 55 | L | - |
| 56 | P | - |
| 57 | R | - |
| 58 | LG | - |
| 59 | SB | - |
| 61 | L | - |
| 62 | P | - [With 2.0L turbo gasoline engine] |
| 62 | V | - [With VR30 engine] |
| 63 | L | - |
| 64 | W | - |
| 66 | R | - |
| 68 | L | - |
| 69 | P | - |
| 71 | GR | - [With 2.0L turbo gasoline engine] |
| 71 | R | - [With VR30 engine] |
| 72 | G | - [With VR30 engine] |
| 72 | V | - [With 2.0L turbo gasoline engine] |
| 73 | LG | - [With 2.0L turbo gasoline engine] |
| 73 | SHIELD | - [With VR30 engine] |
| 74 | L | - [With VR30 engine] |
| 74 | LG | - [With 2.0L turbo gasoline engine] |
| 75 | P | - |
| 76 | SB | - [With 2.0L turbo gasoline engine] |
| 76 | V | - [With VR30 engine] |
| 77 | Y | - |
| 78 | L | - |
| 79 | G | - |
| 80 | GR | - [With 2.0L turbo gasoline engine] |
| 80 | W | - [With VR30 engine] |
| 81 | B | - [With VR30 engine] |

| | | |
|---|---|---|
| 81 | R | - [With 2.0L turbo gasoline engine] |
| 82 | G | - [With 2.0L turbo gasoline engine] |
| 82 | SHIELD | - [With VR30 engine] |
| 83 | R | - [With 2.0L turbo gasoline engine] |
| 83 | W | - [With VR30 engine] |
| 84 | BR | - [With VR30 engine] |
| 84 | SHIELD | - [With 2.0L turbo gasoline engine] |
| 85 | BR | - [With VR30 engine] |
| 85 | G | - [With 2.0L turbo gasoline engine] |
| 86 | R | - [With 2.0L turbo gasoline engine] |
| 86 | V | - [With VR30 engine] |
| 87 | LG | - [With VR30 engine] |
| 87 | SHIELD | - [With 2.0L turbo gasoline engine] |
| 89 | BR | - [With VR30 engine] |
| 89 | LG | - [With 2.0L turbo gasoline engine] |
| 90 | SB | - [With 2.0L turbo gasoline engine] |
| 90 | V | - [With VR30 engine] |
| 92 | L | - [With 2.0L turbo gasoline engine] |
| 92 | W | - [With VR30 engine] |
| 93 | R | - [With VR30 engine] |
| 93 | SHIELD | - [With 2.0L turbo gasoline engine] |
| 94 | R | - |
| 95 | L | - [With 2.0L turbo gasoline engine] |
| 95 | Y | - [With VR30 engine] |
| 96 | R | - [With 2.0L turbo gasoline engine] |
| 96 | W | - [With VR30 engine] |
| 97 | L | - [With VR30 engine] |
| 97 | R | - [With 2.0L turbo gasoline engine] |
| 98 | BR | - |
| 99 | BR | - [With VR30 engine and with BOSE system] |
| 99 | P | - [With 2.0L turbo gasoline engine] |
| 99 | Y | - [With VR30 engine and without BOSE system] |
| 100 | BR | - [With VR30 engine] |
| 100 | W | - [With 2.0L turbo gasoline engine] |

JRMWJ4832GB

BATTERY POWER SUPPLY (VR ENGINE)

| Connector No. | M24 |
|---|---|
| Connector Name | CAN GATEWAY |
| Connector Type | TH12FW-NH |

H.S.

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

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | L | CAN-H [CAN COMMUNICATION CIRCUIT 1] |
| 3 | W | BATTERY POWER SUPPLY |
| 4 | L | CAN-H [CAN COMMUNICATION CIRCUIT 2] |
| 5 | B | GROUND |
| 6 | L | CAN-H [CAN COMMUNICATION CIRCUIT 2] |
| 7 | P | CAN-L [CAN COMMUNICATION CIRCUIT 1] |
| 9 | R | IGNITION POWER SUPPLY [With VR30 engine and without ISS] |
| 9 | W | IGNITION POWER SUPPLY [Except with VR30 engine and without ISS] |
| 10 | R | CAN-L [CAN COMMUNICATION CIRCUIT 2] |
| 11 | B | GROUND |
| 12 | R | CAN-L [CAN COMMUNICATION CIRCUIT 2] |

| Connector No. | M25 |
|---|---|
| Connector Name | DATA LINK CONNECTOR |
| Connector Type | BD16FW |

H.S.

| 11 | 12 | 13 | 14 | 16 |
|---|---|---|---|---|
| 3 | 4 | 5 | 6 | 7 | 8 |

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 3 | LG | M_CAN_L |
| 4 | B | EARTH |
| 5 | B | EARTH |
| 6 | L | CAN-H |
| 7 | V | K-LINE [With 2.0L turbo gasoline engine] |
| 7 | W | K-LINE [With VR30 engine] |
| 8 | W | IGN_SW |
| 11 | SB | M_CAN_H |
| 12 | R | CAN-L |

| 13 | L | CAN-H |
|---|---|---|
| 14 | P | CAN-L |
| 16 | W | POWER |

| Connector No. | M33 |
|---|---|
| Connector Name | WIRE TO WIRE |
| Connector Type | NH60MW-TS12 |

H.S.



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 2 | W | - |
| 4 | G | - |
| 5 | G | - |
| 6 | R | - |
| 7 | R | - |
| 8 | GR | - |
| 9 | GR | - |
| 10 | W | - |
| 11 | SHIELD | - |
| 12 | P | - |
| 13 | SB | - |
| 14 | LG | - |
| 15 | Y | - |
| 16 | Y | - |
| 17 | P | - |
| 18 | W/B | - |
| 19 | LG | - [With DRPO] |
| 19 | Y | - [Without DRPO] |
| 20 | V | - |
| 21 | B | - |
| 22 | BG | - [Without DRPO] |
| 22 | G | - [With DRPO] |
| 23 | L | - |
| 24 | Y | - |
| 25 | BG | - [Without DRPO] |
| 25 | L | - [With DRPO] |
| 26 | Y | - |
| 27 | GR | - |
| 28 | V | - |
| 29 | B | - |
| 30 | W | - |

| 31 | B | - |
|---|---|---|
| 32 | SB | - |
| 33 | L | - |
| 34 | BR | - |
| 35 | LG | - |
| 36 | W | - |
| 37 | B | - |
| 40 | P | - |
| 41 | SB | - |
| 43 | W | - [Except with VR30 engine and without ISS] |
| 43 | Y | - [With VR30 engine and without ISS] |
| 44 | BG | - |
| 46 | BR | - |
| 47 | G | - |
| 49 | V | - |
| 50 | B | - |
| 52 | BR | - |
| 53 | B | - |
| 55 | BG | - |
| 56 | LG | - |
| 57 | V | - |
| 58 | R | - |
| 59 | G | - |
| 60 | L | - |
| 61 | G | - |
| 62 | R | - |
| 63 | V | - |
| 64 | B | - |
| 65 | R | - |
| 66 | BR | - |
| 68 | P | - |
| 69 | V | - |
| 70 | W | - |
| 71 | LG | - |
| 72 | V | - |

| Connector No. | M35 |
|---|---|
| Connector Name | DRIVE MODE SELECT SWITCH |
| Connector Type | TH08FW-NH |

H.S.

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

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

| Connector No. | M38 |
|---|---|
| Connector Name | PUSH-BUTTON IGNITION SWITCH |
| Connector Type | TH08FW-NH |

H.S.

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

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

JRMWJ4833GB

BATTERY POWER SUPPLY (VR ENGINE)

| Connector No. | M40 |
|---|---|
| Connector Name | WIRE TO WIRE |
| Connector Type | TH80MW-CS16-TM4 |

H.S.



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | BG | - |
| 6 | W/B | - |
| 7 | V | - |
| 8 | BG | - [With VR30 engine] |
| 8 | BR | - [With 2.0L turbo gasoline engine] |
| 9 | LG | - [With VR30 engine] |
| 9 | P | - [With 2.0L turbo gasoline engine] |
| 10 | W | - |
| 11 | W | - [With VR30 engine] |
| 11 | Y | - [With 2.0L turbo gasoline engine] |
| 12 | B | - [With VR30 engine] |
| 12 | BR | - [With 2.0L turbo gasoline engine] |
| 13 | GR | - [With VR30 engine] |
| 13 | SHIELD | - [With 2.0L turbo gasoline engine] |
| 14 | B | - |
| 15 | BG | - [With 2.0L turbo gasoline engine] |
| 15 | SB | - [With VR30 engine] |
| 16 | B | - [With VR30 engine] |
| 16 | BR | - [With 2.0L turbo gasoline engine] |
| 17 | LG | - |
| 18 | B | - [With VR30 engine] |
| 18 | W/B | - [With 2.0L turbo gasoline engine] |
| 19 | Y | - |
| 31 | W | - |
| 32 | G | - [With 2.0L turbo gasoline engine] |
| 32 | V | - [With VR30 engine] |
| 33 | L | - [With VR30 engine] |
| 33 | Y | - [With 2.0L turbo gasoline engine] |
| 34 | P | - |
| 35 | BG | - |
| 36 | G | - [With VR30 engine] |
| 37 | B | - [With 2.0L turbo gasoline engine] |
| 37 | L | - [With VR30 engine] |
| 38 | L | - [With 2.0L turbo gasoline engine and without gateway] |
| 38 | P | - [With 2.0L turbo gasoline engine and with gateway] |
| 38 | R | - [With 2.0L turbo gasoline engine and with gateway] |

| 39 | R | - [With 2.0L turbo gasoline engine] |
|---|---|---|
| 39 | Y | - [With VR30 engine] |
| 40 | GR | - |
| 41 | L | - |
| 44 | BR | - |
| 45 | L | - [With 2.0L turbo gasoline engine] |
| 45 | W | - [With VR30 engine] |
| 46 | G | - [With VR30 engine] |
| 46 | Y | - [With 2.0L turbo gasoline engine] |
| 47 | BG | - [With 2.0L turbo gasoline engine] |
| 47 | R | - [With VR30 engine] |
| 48 | SHIELD | - |
| 49 | B | - [With VR30 engine] |
| 49 | G | - [With 2.0L turbo gasoline engine] |
| 50 | B | - [With 2.0L turbo gasoline engine] |
| 50 | BR | - [With VR30 engine] |
| 51 | L | - |
| 52 | W | - |
| 53 | G | - |
| 54 | SB | - [With 2.0L turbo gasoline engine] |
| 54 | Y | - [With VR30 engine] |
| 55 | B | - [With 2.0L turbo gasoline engine] |
| 55 | P | - [With VR30 engine] |
| 56 | BG | - [With VR30 engine] |
| 56 | GR | - [With 2.0L turbo gasoline engine] |
| 57 | GR | [With VR30 engine] |
| 57 | P | - [With 2.0L turbo gasoline engine] |
| 58 | B | - |
| 59 | SB | - |
| 61 | W/B | |
| 64 | Y | - |
| 65 | R | - |
| 66 | P | - [Color of wire differs depending on production] |
| 66 | V | - [Color of wire differs depending on production] |
| 67 | LG | - |
| 68 | BG | - |
| 69 | L | - |
| 70 | R | - |
| 71 | V | - [With VR30 engine] |
| 71 | W | - [With 2.0L turbo gasoline engine] |
| 72 | L | - [With 2.0L turbo gasoline engine] |
| 72 | LG | - [With VR30 engine] |
| 73 | R | - [With VR30 engine] |
| 73 | W | - [With 2.0L turbo gasoline engine] |
| 74 | BR | - [With VR30 engine] |
| 74 | L | - [With 2.0L turbo gasoline engine] |
| 75 | B | - [With VR30 engine] |
| 75 | P | - [With 2.0L turbo gasoline engine and without gateway] |
| 75 | R | - [With 2.0L turbo gasoline engine and with gateway] |
| 76 | W/B | - |

| 77 | SB | - |
|---|---|---|
| 78 | G | - [With VR30 engine] |
| 78 | LG | - [With 2.0L turbo gasoline engine] |
| 79 | R | - |
| 80 | G | - |
| 81 | R | - |
| 82 | LG | - |
| 83 | BR | - [With 2.0L turbo gasoline engine] |
| 83 | R | - [With VR30 engine] |
| 84 | V | - |
| 86 | V | - |
| 87 | G | - |
| 89 | V | - |
| 90 | G | - [With VR30 engine] |
| 90 | V | - [With 2.0L turbo gasoline engine] |
| 91 | W | - |
| 92 | G | - |
| 93 | BR | - |
| 94 | GR | - [With VR30 engine] |
| 94 | L | - [With 2.0L turbo gasoline engine] |
| 95 | BR | - [With VR30 engine] |
| 95 | P | - [With 2.0L turbo gasoline engine and without gateway] |
| 95 | R | - [With 2.0L turbo gasoline engine and with gateway] |
| 96 | W | - |
| 97 | LG | - |
| 98 | Y | - |
| 99 | BR | - [With VR30 engine] |
| 99 | LG | - [With 2.0L turbo gasoline engine] |
| 100 | SHIELD | - |

| Connector No. | M42 |
|---|---|
| Connector Name | AWD CONTROL UNIT |
| Connector Type | TH16FW-NH |

H.S.



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | BR | AWD SOL (+) |
| 2 | Y | AWD SOL (-) |
| 3 | W/B | FLUID TEMP (-) |
| 7 | G | IGN |
| 8 | L | CAN-H |

| 9 | BG | AWD SOL BAT |
|---|---|---|
| 10 | B | GND |
| 11 | B | GND |
| 13 | LG | FLUID TEMP (+) |
| 15 | W | BATTERY POWER SUPPLY |
| 16 | P | CAN-L [Without Gateway] |
| 16 | R | CAN-L [With Gateway] |

| Connector No. | M44 |
|---|---|
| Connector Name | AUTOMATIC DRIVE POSITIONER CONTROL UNIT |
| Connector Type | NS06FW-CS |

H.S.



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 25 | SB | BAT |
| 26 | G | BACKWARD |
| 27 | W | POWER_SUPLLY(SENSOR_for_16V) |
| 28 | BR | DOWNWARD |
| 29 | L | UPWARD/FORWARD |
| 30 | B | GND(POWER SYSTEM) |

| Connector No. | M45 |
|---|---|
| Connector Name | GLOVE BOX LAMP |
| Connector Type | A02FW |

H.S.



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

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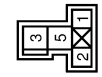
BATTERY POWER SUPPLY (VR ENGINE)

| Connector No. | M46 |
|---|---|
| Connector Name | HEATED SEAT RELAY |
| Connector Type | MSO2FL-M2-LC |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | B | - |
| 2 | R | - [With VR30 engine and without ISS] |
| 2 | W | - [Except with VR30 engine and without ISS] |
| 3 | G | - |
| 5 | LG | - |

| Connector No. | M48 |
|---|---|
| Connector Name | HEATED STEERING WHEEL RELAY |
| Connector Type | MSO2FL-M2-LC |



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

| Connector No. | M58 |
|---|---|
| Connector Name | COMBINATION METER |
| Connector Type | TH12FW-NH |

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 41 | L | CAN-H |
| 42 | P | CAN-L |
| 43 | B | ILLUMINATION CONTROL SIGNAL |
| 44 | Y | FUEL LEVEL SENSOR GROUND |
| 45 | W | BATTERY POWER SUPPLY |
| 46 | BG | IGNITION SIGNAL [Except with VR30 engine and without ISS] |
| 46 | R | IGNITION SIGNAL [With VR30 engine and without ISS] |
| 47 | SB | AV COMMUNICATION SIGNAL (H) |
| 48 | LG | AV COMMUNICATION SIGNAL (L) |
| 51 | BR | FUEL LEVEL SENSOR SIGNAL |
| 52 | B | GROUND |

| Connector No. | M59 |
|---|---|
| Connector Name | METER CONTROL SWITCH |
| Connector Type | TH08FW-NH |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | R | - |
| 2 | B | - |
| 4 | BR | - |
| 5 | SB | - |
| 6 | V | - |
| 7 | GR | - |

| Connector No. | M60 |
|---|---|
| Connector Name | NAVI CONTROL UNIT |
| Connector Type | TH28FW |

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | Y | BAT |
| 3 | B | GND |
| 5 | SB | ACC [Except for VR30 engine and with ISS] |
| 5 | V | ACC [For VR30 engine and with ISS] |
| 7 | R | VEHICLE SPEED SIGNAL (8-PULSE) |
| 12 | G | MICROPHONE SIGNAL |
| 13 | SHIELD | SHIELD |
| 14 | W | VOICE GUIDANCE SIGNAL OUTPUT (+) |
| 15 | Y | BAT |
| 17 | B | GND |
| 19 | R | IGN [For VR30 engine and with ISS] |
| 19 | W | IGN [Except for VR30 engine and with ISS] |
| 21 | BR | REVERSE SIGNAL |
| 26 | R | MICROPHONE SIGNAL GND |
| 27 | SHIELD | SHIELD |
| 28 | B | VOICE GUIDANCE SIGNAL OUTPUT (-) |

| Connector No. | M72 |
|---|---|
| Connector Name | STEERING FORCE CONTROL MODULE |
| Connector Type | YO2FB-1V |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 33 | B | GROUND |
| 34 | R | BATTERY POWER SUPPLY |

| Connector No. | M80 |
|---|---|
| Connector Name | TRIPLE SWITCH |
| Connector Type | TH12FB-NH |

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | L | - |
| 2 | W | - |
| 3 | R | - |
| 5 | B | - |
| 6 | R | - |
| 7 | B | - |
| 9 | R | INDICATOR+ |
| 11 | GR | INDICATOR- |

| Connector No. | M86 |
|---|---|
| Connector Name | COMBINATION SWITCH (SPIRAL CABLE) |
| Connector Type | TK06FY-EX-1V |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 23 | R | - |
| 26 | B | - |
| 28 | Y/R | - |
| 29 | Y | - |
| 30 | Y/B | - |
| 34 | LG | - |

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BATTERY POWER SUPPLY (VR ENGINE)

| Connector No. | M88 |
|---|---|
| Connector Name | A/C AUTO AMP. |
| Connector Type | TH40FW-NH |

H.S.

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | L | CAN-H |
| 2 | B | GROUND |
| 3 | W | BATTERY POWER SUPPLY |
| 7 | G | AMBIENT SENSOR SIGNAL |
| 9 | R | SUNLOAD SENSOR SIGNAL |
| 13 | SB | ACC POWER SUPPLY [With 2.0L turbo gasoline engine] |
| 13 | V | ACC POWER SUPPLY [With VR30 engine] |
| 16 | P | LIN SIGNAL |
| 17 | R | DOOR MOTOR POWER SUPPLY |
| 18 | P | BLOWER MOTOR CONTROL SIGNAL |
| 20 | L | HEATED STEERING WHEEL RELAY CONTROL SIGNAL |
| 21 | P | CAN-L |
| 22 | B | GROUND |
| 23 | R | IGNITION POWER SUPPLY [With VR30 engine and with ISS] |
| 23 | W | IGNITION POWER SUPPLY [Except with VR30 engine and with ISS] |
| 26 | B | SENSOR GROUND |
| 27 | LG | IN-VEHICLE SENSOR SIGNAL |
| 28 | BR | INTAKE SENSOR SIGNAL |
| 30 | BG | EXHAUST GAS / OUTSIDE DOOR DETECTING SENSOR SIGNAL |
| 37 | B | GROUND |
| 38 | BG | IONIZER (ON/OFF) CONTROL SIGNAL |
| 40 | BG | ECV CONTROL SIGNAL |

| Connector No. | M92 |
|---|---|
| Connector Name | WIRE TO WIRE |
| Connector Type | NS16MW-CS |

H.S.

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

| Connector No. | M100 |
|---|---|
| Connector Name | DISPLAY CONTROL UNIT |
| Connector Type | TH24FW-NH |

H.S.

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 16 | LG | AV COMM (L) |
| 17 | P | CAN-L |
| 19 | R | DIMMER SIGNAL |
| 20 | BR | REVERSE SIGNAL |
| 22 | B | GND |

| 26 | BR | CAMERA SWITCH SIGNAL |
|---|---|---|
| 28 | SB | AV COMM (H) |
| 29 | L | CAN-H |
| 30 | R | IGN [For VR30 engine] |
| 30 | W | IGN [For 2.0L turbo gasoline engine] |
| 31 | R | VEHICLE SPEED SIGNAL (8-PULSE) |
| 33 | SB | ACC [Except for VR30 engine and with ISS] |
| 33 | V | ACC [For VR30 engine and with ISS] |
| 34 | Y | BAT |

| Connector No. | M113 |
|---|---|
| Connector Name | REMOTE KEYLESS ENTRY RECEIVER |
| Connector Type | AAC04FB |

H.S.

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | W | +12V |
| 2 | L | SIGNAL |
| 3 | P | GND |

| Connector No. | M117 |
|---|---|
| Connector Name | WIRE TO WIRE |
| Connector Type | L01MB-MC |

H.S.

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

| Connector No. | M118 |
|---|---|
| Connector Name | CIRCUIT BREAKER |
| Connector Type | M02FW-LC |

H.S.

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

| Connector No. | M124 |
|---|---|
| Connector Name | ACCELERATOR PEDAL ACTUATOR/ACCELERATOR PEDAL POSITION SENSOR |
| Connector Type | RH12FB |

H.S.

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | BR | BATTERY |
| 2 | G | IGNITION |
| 3 | L | ITS COMM-H |
| 4 | W | - |
| 5 | G | - |
| 6 | Y | - |
| 7 | B | GROUND |
| 9 | Y | ITS COMM-L |
| 10 | L | - |
| 11 | R | - |
| 12 | BR | - |

JRMWJ4836GB

BATTERY POWER SUPPLY (VR ENGINE)

| Connector No. | M132 |
|---|---|
| Connector Name | FUSE BLOCK (J/B) |
| Connector Type | NS16FW-CS |

H.S.

| 16B | 15B | 14B | 13B | 12B | 11B | 10B | 9B |
|---|---|---|---|---|---|---|---|
| | | 5B | 4B | | | 2B | |
| | | | | | | | |

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 11B | LG | - |
| 13B | P | - |
| 14B | G | - |
| 15B | Y | - |
| 16B | Y | - |
| 2B | B | - |
| 4B | W | - |
| 5B | R | - |
| 9B | Y | - |

| Connector No. | M133 |
|---|---|
| Connector Name | FUSE BLOCK (J/B) |
| Connector Type | TH40FW-NH |

H.S.

| 1C | 2C | 3C | 4C | 5C | 6C | 7C | 8C | 9C | 10C | 11C | 12C | 13C | 14C | 15C | 16C | 17C | 18C | 19C | 20C | 21C | 22C | 23C | 25C | 26C | 27C | 28C | 29C | 2C | 30C | 31C | 32C | 33C | 34C | 35C | 36C | 37C | 38C | 39C | 3C | 40C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 41C | 42C | 43C | 44C | 45C | 46C | 47C | 48C | 49C | 50C | 51C | 52C | 53C | 54C | 55C | 56C | 57C | 58C | 59C | 60C | 61C | 62C | 63C | 65C | 66C | 67C | 68C | 69C | 6C | 70C | 71C | 72C | 73C | 74C | 75C | 76C | 77C | 78C | 79C | 7C | 80C |

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 10C | V | - |
| 12C | L | - |
| 13C | L | - |
| 14C | Y | - |
| 15C | R | - |
| 16C | R | - |
| 17C | L | - |
| 18C | BG | - [Without DRPO] |
| 19C | P | - [With DRPO] |
| 1C | B | - |
| 20C | W | - |
| 21C | L | - |
| 22C | L | - |
| 23C | L | - |
| 25C | LG | - |
| 26C | SB | - |
| 27C | P | - |
| 28C | W | - |
| 29C | W | - |
| 2C | R | - |
| 30C | R | - |
| 31C | W | - |
| 32C | R | - |
| 33C | B | - [With VR30 engine] |
| 33C | R | - [With 2.0L turbo gasoline engine] |
| 34C | W/B | - |
| 35C | SB | - |
| 36C | R | - |
| 37C | W | - |
| 38C | SB | - |
| 39C | V | - |
| 3C | P | - |
| 40C | G | - |
| 4C | P | - |
| 5C | P | - |
| 6C | G | - |
| 7C | G | - |
| 8C | G | - |
| 9C | V | - |

| Connector No. | M135 |
|---|---|
| Connector Name | JOINT CONNECTOR-M09 |
| Connector Type | 24342_4GA2A |

H.S.

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

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | B | - |
| 2 | B | - |
| 3 | B | - |
| 4 | B | - |
| 5 | B | - |
| 6 | B | - |
| 9 | LG | - |
| 10 | LG | - |
| 11 | LG | - |
| 13 | B | - [With VR30 engine] |
| 13 | SB | - [With 2.0L turbo gasoline engine] |
| 14 | B | - [With VR30 engine] |
| 14 | SB | - [With 2.0L turbo gasoline engine] |
| 15 | B | - [With VR30 engine] |
| 15 | SB | - [With 2.0L turbo gasoline engine] |
| 16 | SB | - [With 2.0L turbo gasoline engine] |
| 16 | Y | - [With VR30 engine] |
| 17 | SB | - [With 2.0L turbo gasoline engine] |
| 17 | Y | - [With VR30 engine] |
| 18 | SB | - [With 2.0L turbo gasoline engine] |
| 18 | Y | - [With VR30 engine] |
| 19 | SHIELD | - |
| 20 | R | - |
| 21 | R | - |
| 22 | SHIELD | - |
| 23 | L | - |
| 24 | L | - |

| Connector No. | M138 |
|---|---|
| Connector Name | CONSOLE BOX LAMP |
| Connector Type | C02FBR |

H.S.

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

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

| Connector No. | M140 |
|---|---|
| Connector Name | OPTION CONNECTOR (TOTAL ILLUMINATION CONTROL UNIT [PASSENGER SIDE]) |
| Connector Type | TH12MW-NH |

H.S.

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

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | R | IGN |
| 2 | W | BAT |
| 3 | R | TAIL_LAMP |
| 4 | V | ROOM_LAMP_OUTPUT |
| 5 | LG | BATTERY_SAVER_OUTPUT |
| 6 | GR | FR_DOOR_SW_RH |
| 7 | V | FR_DOOR_SW_LH |
| 8 | V | THRU_SIGNAL_1 |
| 9 | G | RR_DOOR_RH |
| 10 | W | RR_DOOR_LH |
| 11 | SB | ACC [With 2.0L turbo gasoline engine] |
| 11 | V | ACC [With VR30 engine] |
| 12 | B | GND |

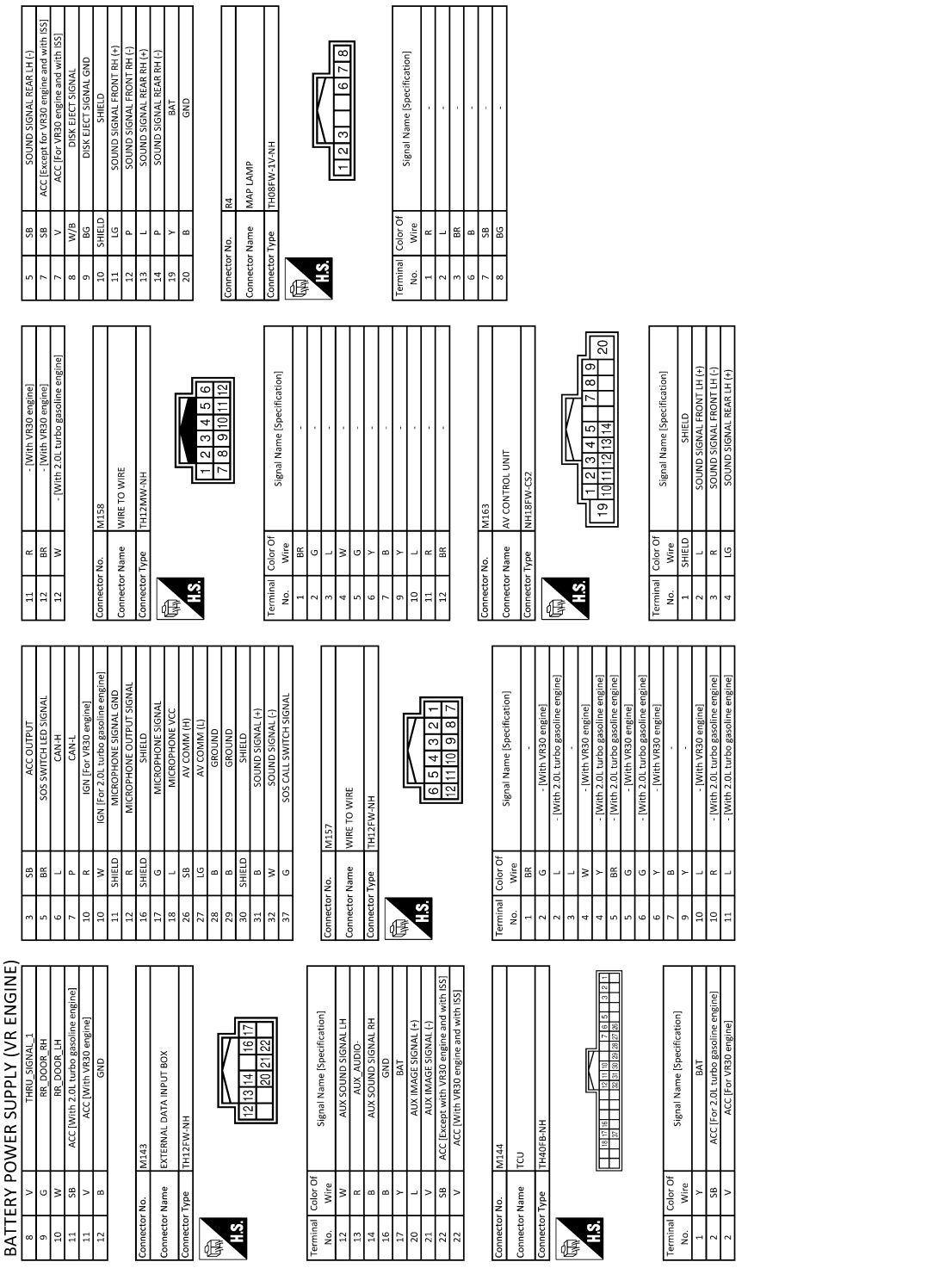
| Connector No. | M141 |
|---|---|
| Connector Name | OPTION CONNECTOR (TOTAL ILLUMINATION CONTROL UNIT[DRIVER SIDE]) |
| Connector Type | TH12MW-NH |

H.S.

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

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | R | IGN |
| 2 | W | BAT |
| 3 | R | TAIL_LAMP |
| 4 | V | ROOM_LAMP_OUTPUT |
| 5 | LG | BATTERY_SAVER_OUTPUT |
| 6 | GR | FR_DOOR_SW_RH |
| 7 | V | FR_DOOR_SW_LH |

JRMWJ4837GB




JRMWJ4838GB

BATTERY POWER SUPPLY (VR ENGINE)

| Connector No. | R5 |
|---|---|
| Connector Name | RAIN SENSOR |
| Connector Type | AA803FB |

H.S.

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

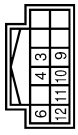
| Connector No. | R8 |
|---|---|
| Connector Name | AUTO ANTI-DAZZLING INSIDE MIRROR |
| Connector Type | TH10FB-NH |

H.S.

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 4 | BG | - |
| 6 | GR | - |
| 8 | B | - |
| 9 | BR | - |
| 10 | BG | - [Color of wire differs depending on production] |
| 10 | P | - [Color of wire differs depending on production] |

| Connector No. | R9 |
|---|---|
| Connector Name | AUTO ANTI-DAZZLING INSIDE MIRROR |
| Connector Type | TH12FW-NH-B |

H.S.



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 3 | B | GROUND |
| 4 | BG | AUTO ANTI-DAZZLING OUTSIDE MIRROR CONTROL SIGNAL |
| 6 | GR | IGNITION POWER SUPPLY |
| 9 | BR | AUTO ANTI-DAZZLING OUTSIDE MIRROR GROUND |
| 10 | BG | BATTERY POWER SUPPLY [Color of wire differs depending on production] |
| 10 | P | BATTERY POWER SUPPLY [Color of wire differs depending on production] |
| 11 | GR | CAN-L |
| 12 | BR | CAN-H |

| Connector No. | R22 |
|---|---|
| Connector Name | TELEMATICS SWITCH |
| Connector Type | TH08FW-NH |

H.S.

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | V | - |
| 3 | G | - |
| 5 | SB | - |
| 6 | B | - |
| 7 | B | - |

| Connector No. | T47 |
|---|---|
| Connector Name | TRUNK LID OPENER REQUEST SWITCH ASSEMBLY |
| Connector Type | TH04MW-NH |

H.S.

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

| Connector No. | T48 |
|---|---|
| Connector Name | WIRE TO WIRE |
| Connector Type | NS16FW-CS |

H.S.

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | Y | - |
| 2 | BG | - |
| 4 | L | - |
| 5 | P | - |
| 6 | G | - |
| 8 | B | - |
| 9 | R | - |
| 10 | P | - |
| 11 | L | - |
| 13 | G | - [With around view monitor] |
| 13 | L | - [With rear view monitor] |
| 14 | B | - [With rear view monitor] |
| 14 | R | - [With around view monitor] |
| 15 | B | - [With around view monitor] |
| 15 | W | - [With rear view monitor] |
| 16 | R | - [With rear view monitor] |

| 16 | W | - [With around view monitor] |
|---|---|---|

| Connector No. | T51 |
|---|---|
| Connector Name | REAR COMBINATION LAMP LH (TRUNK LID SIDE) |
| Connector Type | NS04FW-CS |

H.S.

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 2 | BG | - |
| 3 | P | - |
| 4 | B | - |

| Connector No. | T52 |
|---|---|
| Connector Name | REAR COMBINATION LAMP RH (TRUNK LID SIDE) |
| Connector Type | NS04FW-CS |

H.S.

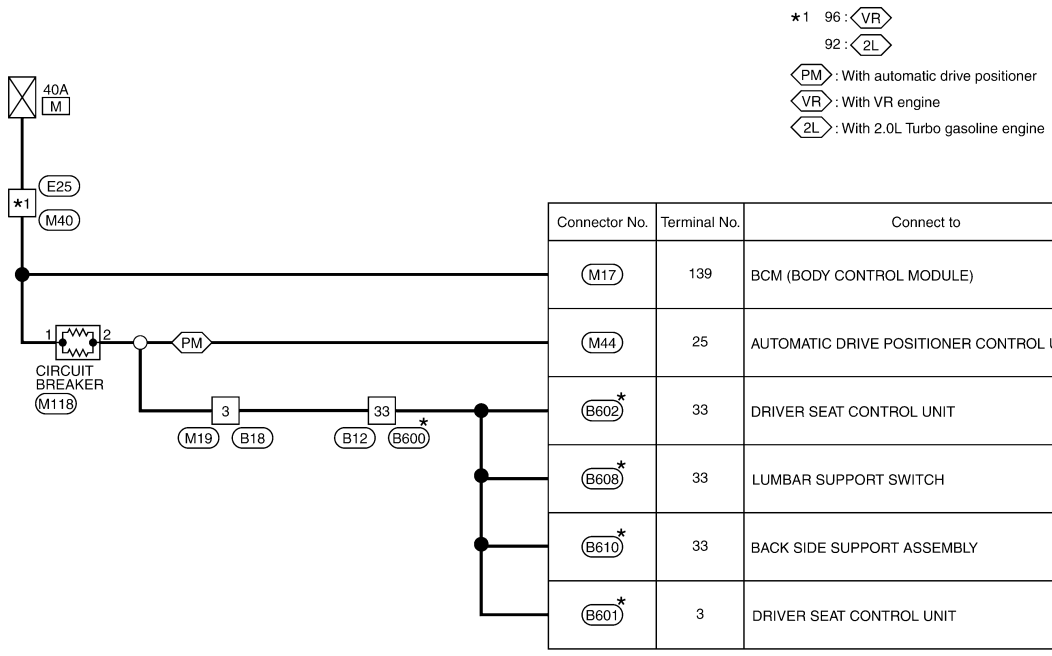
| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 2 | BG | - |
| 3 | R | - |
| 4 | B | - |

JRMWJ4839GB

# VR30DDTT : Wiring Diagram - BATTERY POWER SUPPLY FUSIBLE LINK No. M -

INFOID:0000000012791614

## BATTERY POWER SUPPLY FUSIBLE LINK No. M




| Connector No. | Terminal No. | Connect to |
|---|---|---|
| M17 | 139 | BCM (BODY CONTROL MODULE) |
| M44 | 25 | AUTOMATIC DRIVE POSITIONER CONTROL UNIT |
| B602* | 33 | DRIVER SEAT CONTROL UNIT |
| B608* | 33 | LUMBAR SUPPORT SWITCH |
| B610* | 33 | BACK SIDE SUPPORT ASSEMBLY |
| B601* | 3 | DRIVER SEAT CONTROL UNIT |

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

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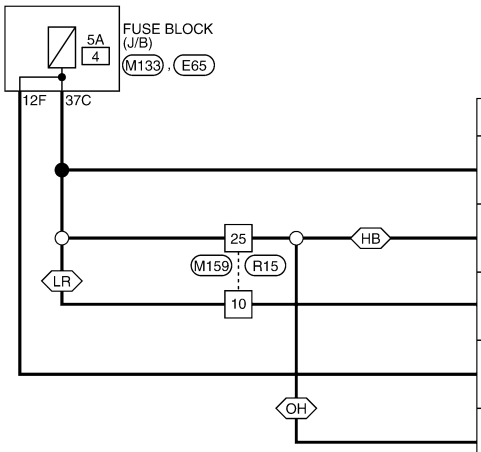
JRMWJ1828GB

# VR30DDTT : Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 4 - INFOID:0000000012791615

## BATTERY POWER SUPPLY FUSE No. 4 (VR ENGINE)

HB : With high beam assist system
LR : With rain sensor
OH : Without high beam assist system




| Connector No. | Terminal | Connect to |
|---|---|---|
| M25 | 16 | DATA LINK CONNECTOR |
| R9 | 10 | AUTO ANTI-DAZZLING INSIDE MIRROR |
| R5 | 1 | RAIN SENSOR |
| E45 | 1 | INTELLIGENT KEY WARNING BUZZER |
| R8 | 10 | AUTO ANTI-DAZZLING INSIDE MIRROR |

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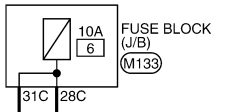
# VR30DDTT : Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 6 - INFOID:0000000012791616

BATTERY POWER SUPPLY FUSE No. 6 (VR ENGINE)




| Connector No. | Terminal No. | Connect to |
|---|---|---|
| M38 | 3 | PUSH-BUTTON IGNITION SWITCH |
| M58 | 45 | COMBINATION METER |
| M88 | 3 | A/C AUTO AMP. |
| M140 | 2 | OPTION CONNECTOR (TOTAL ILLUMINATION CONTROL UNIT (PASSENGER SIDE)) |
| M141 | 2 | OPTION CONNECTOR (TOTAL ILLUMINATION CONTROL UNIT (DRIVER SIDE)) |

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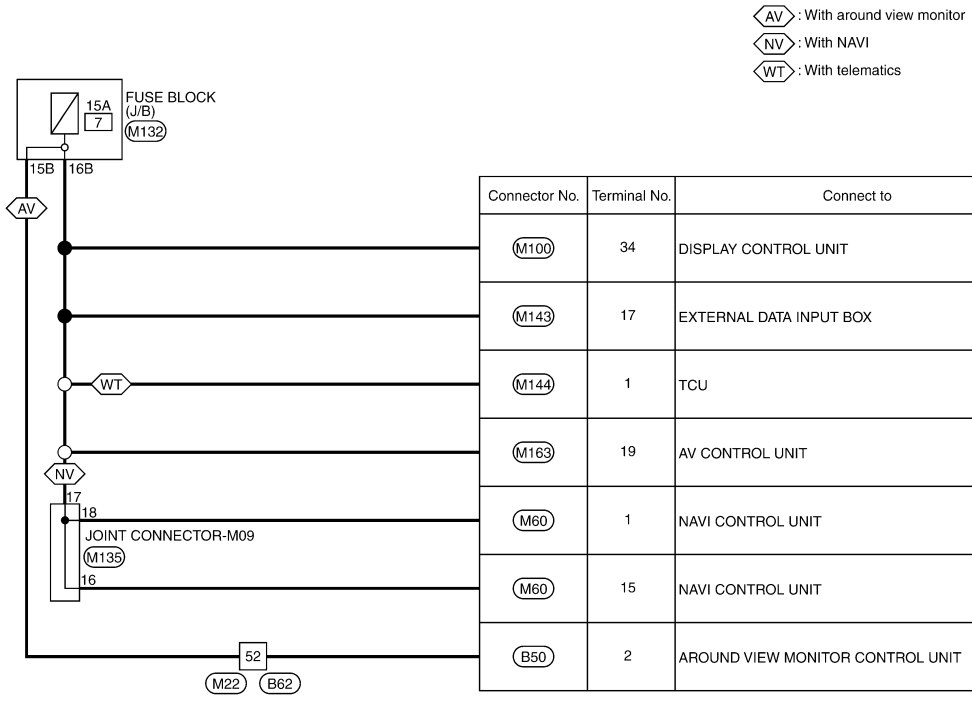
# VR30DDTT : Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 7 - INFOID:0000000012791617

## BATTERY POWER SUPPLY FUSE No. 7 (VR ENGINE)




| Connector No. | Terminal No. | Connect to |
|---|---|---|
| M100 | 34 | DISPLAY CONTROL UNIT |
| M143 | 17 | EXTERNAL DATA INPUT BOX |
| M144 | 1 | TCU |
| M163 | 19 | AV CONTROL UNIT |
| M60 | 1 | NAVI CONTROL UNIT |
| M60 | 15 | NAVI CONTROL UNIT |
| B50 | 2 | AROUND VIEW MONITOR CONTROL UNIT |

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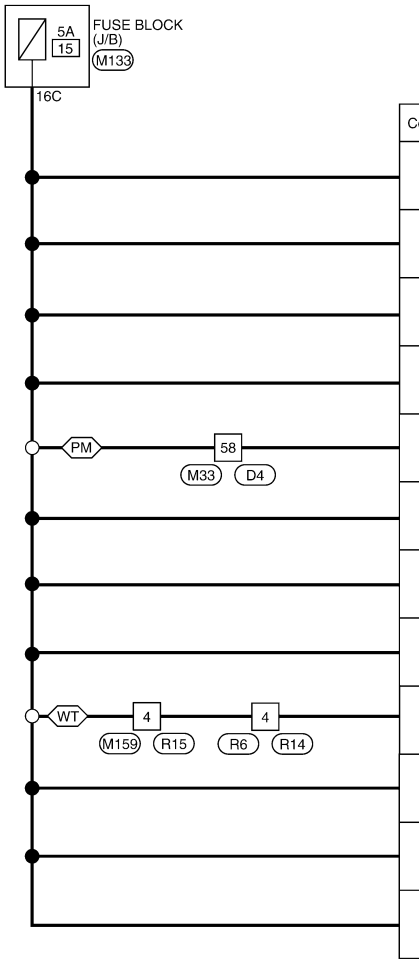
JRMWJ1832GB

# VR30DDTT : Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 15 -

INFOID:0000000012791618

## BATTERY POWER SUPPLY FUSE No. 15 (VR ENGINE)

PM : With automatic drive positioner
WT : With telematics




| Connector No. | Terminal No. | Connect to |
|---|---|---|
| M35 | 4 | DRIVE MODE SELECT SWITCH |
| M59 | 1 | METER CONTROL SWITCH |
| M7 | 7 | A/T SHIFT SELECTOR |
| M45 | 1 | GLOVE BOX LAMP |
| D9 | 8 | SEAT MEMORY SWITCH |
| M80 | 6 | TRIPLE SWITCH |
| M86 | 23 | COMBINATION SWITCH (SPIRAL CABLE) |
| M1 | 2 | INTEGRAL SWITCH |
| R22 | 5 | TELEMATICS SWITCH |
| M141 | 3 | OPTION CONNECTOR (TOTAL ILLUMINATION CONTROL UNIT (DRIVER SIDE)) |
| M140 | 3 | OPTION CONNECTOR (TOTAL ILLUMINATION CONTROL UNIT (PASSENGER SIDE)) |
| M138 | 1 | CONSOLE BOX LAMP |

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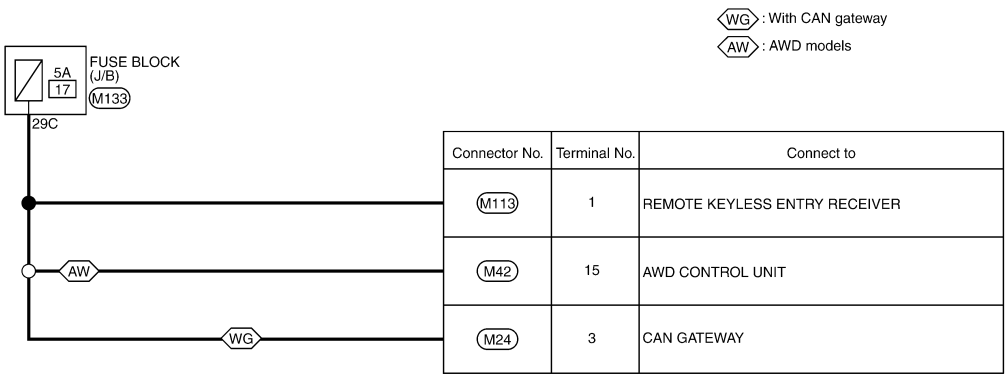
JRMWJ1833GB

# VR30DDTT : Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 17 -

INFOID:0000000012791619

## BATTERY POWER SUPPLY FUSE No. 17




| Connector No. | Terminal No. | Connect to |
|---|---|---|
| M113 | 1 | REMOTE KEYLESS ENTRY RECEIVER |
| M42 | 15 | AWD CONTROL UNIT |
| M24 | 3 | CAN GATEWAY |

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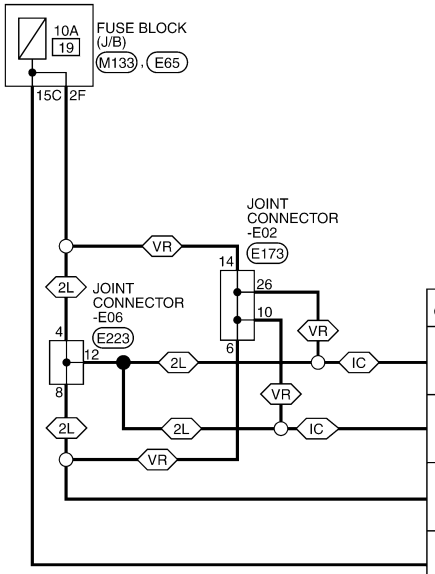
# VR30DDTT : Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 19 -

INFOID:0000000012791620

## BATTERY POWER SUPPLY FUSE No. 19

IC : With ICC
VR : With VR engine
2L : 2.0L Turbo gasoline engine




| Connector No. | Terminal No. | Connect to |
|---|---|---|
| E52 | 5 | ICC BRAKE HOLD RELAY |
| E57 | 1 | STOP LAMP SWITCH |
| E57 | 3 | STOP LAMP SWITCH |
| M13 | 25 | BCM (BODY CONTROL MODULE) |

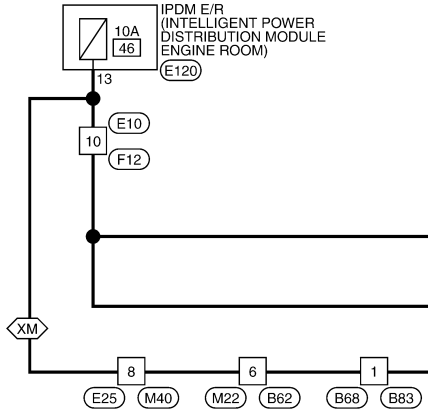
2015/11/27

JRMWJ1835GB

# VR30DDTT : Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 46 -

INFOID:0000000012791621

## BATTERY POWER SUPPLY FUSE No. 46 (VR ENGINE)




XM : Except for Mexico

| Connector No. | Terminal No. | Connect to |
|---|---|---|
| F142 | 91 | ECM |
| F142 | 145 | ECM |
| B85 | 1 | EVAP CANISTER VENT CONTROL VALVE |

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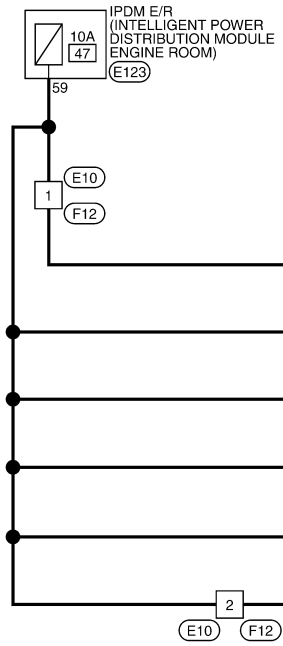
JRMWJ4871GB

# VR30DDTT : Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 47 -

INFOID:0000000012791622

## BATTERY POWER SUPPLY FUSE No. 47 (VR ENGINE)




| Connector No. | Terminal No. | Connect to |
|---|---|---|
| F136 | 1 | EVAP CANISTER PURGE VOLUME CONTROL SOLENOID VALVE |
| E152 | 197 | ECM |
| E149 | 1 | HIGH PRESSURE FUEL PUMP RELAY |
| E150 | 1 | FUEL INJECTOR RELAY |
| E151 | 2 | CHARGE AIR COOLER COOLING RELAY |
| F84 | 1 | EXHAUST VALVE TIMING CONTROL SOLENOID VALVE (BANK 1) |
| F89 | 1 | ENGINE OIL PRESSURE CONTROL SOLENOID VALVE |
| F94 | 1 | EXHAUST VALVE TIMING CONTROL SOLENOID VALVE (BANK 2) |

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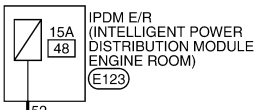
# VR30DDTT : Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 48 -

INFOID:0000000012791623

## BATTERY POWER SUPPLY FUSE No. 48 (VR ENGINE)

MX : For Mexico
XM : Except for Mexico




| Connector No. | Terminal | Connect to |
|---|---|---|
| F93 | 1 | HEATED OXYGEN SENSOR 2 (BANK 2) |
| F92 | 1 | HEATED OXYGEN SENSOR 2 (BANK 1) |
| F133 | 1 | AIR FUEL RATIO (A/F) SENSOR 1 (BANK 1) |
| F134 | 1 | AIR FUEL RATIO (A/F) SENSOR 1 (BANK 2) |
| F126 | 1 | HEATED OXYGEN SENSOR 2 (BANK 2) |
| F125 | 1 | HEATED OXYGEN SENSOR 2 (BANK 1) |

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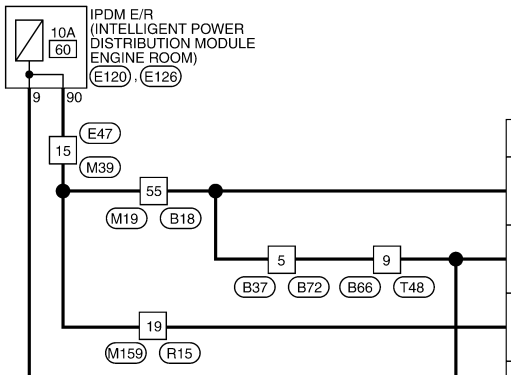
JRMWJ4953GB

# VR30DDTT : Wiring Diagram - BATTERY POWER SUPPLY FUSE No. 60 -

INFOID:0000000012791624

## BATTERY POWER SUPPLY FUSE No. 60 (VR ENGINE)




| Connector No. | Terminal No. | Connect to |
|---|---|---|
| B23 | 2 | REAR COMBINATION LAMP RH (BODY SIDE) |
| T52 | 3 | REAR COMBINATION LAMP RH (TRUNK LID SIDE) |
| R4 | 8 | MAP LAMP |
| E42 | 8 | FRONT COMBINATION LAMP RH |
| T47 | 4 | TRUNK LID OPENER REQUEST SWITCH ASSEMBLY |

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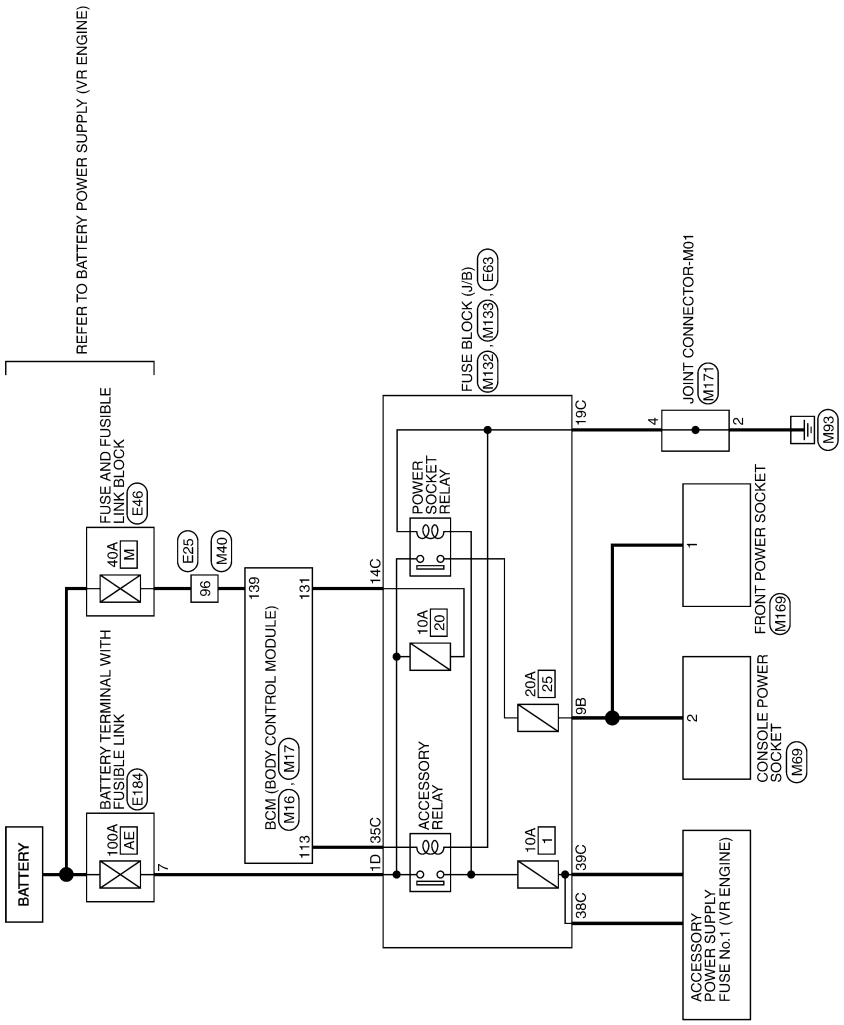
# VR30DDTT : Wiring Diagram - ACCESSORY POWER SUPPLY -

INFOID:0000000012791625

ACCESSORY POWER SUPPLY (VR ENGINE)

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ACCESSORY POWER SUPPLY (VR ENGINE)

| Connector No. | E25 |
|---|---|
| Connector Name | WIRE TO WIRE |
| Connector Type | TH80FW-CS16-TM4 |

H.S.



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | BG | - |
| 6 | V | - |
| 7 | L | - |
| 8 | BG | - [With VR30 engine] |
| 8 | BR | - [With 2.0L turbo gasoline engine] |
| 9 | B | - [With 2.0L turbo gasoline engine] |
| 9 | GR | - [With VR30 engine] [Color of wire differs depending on production] |
| 9 | LG | - [With VR30 engine] [Color of wire differs depending on production] |
| 10 | BR | - |
| 11 | L | - |
| 12 | GR | - [With VR30 engine] |
| 12 | P | - [With 2.0L turbo gasoline engine] |
| 13 | SHIELD | - [With 2.0L turbo gasoline engine] |
| 13 | W | - [With VR30 engine] |
| 14 | B | - |
| 15 | GR | - [With 2.0L turbo gasoline engine] |
| 15 | SB | - [With VR30 engine] |
| 16 | BR | - [With 2.0L turbo gasoline engine] |
| 16 | Y | - [With VR30 engine] |
| 17 | BR | - [With VR30 engine] |
| 17 | GR | - [With 2.0L turbo gasoline engine] |
| 18 | G | - [With 2.0L turbo gasoline engine] |
| 18 | P | - [With VR30 engine] |
| 19 | Y | - |
| 31 | W | - [With 2.0L turbo gasoline engine] |
| 31 | Y | - [With VR30 engine] |
| 32 | G | - [With 2.0L turbo gasoline engine] |
| 32 | GR | - [With VR30 engine] |
| 33 | L | - [With VR30 engine] |
| 33 | Y | - [With 2.0L turbo gasoline engine] |
| 34 | P | - |
| 35 | GR | - |
| 36 | R | - |
| 37 | L | - [With 2.0L turbo gasoline engine] |
| 37 | V | - [With VR30 engine] |
| 38 | L | - [With VR30 engine] |
| 38 | P | - [With 2.0L turbo gasoline engine and without gateway] |
| 38 | R | - [With 2.0L turbo gasoline engine and with gateway] |
| 39 | BR | - [With 2.0L turbo gasoline engine] |
| 39 | Y | - [With VR30 engine] |
| 40 | SB | - |
| 41 | LG | - |
| 44 | Y | - |
| 45 | L | - [With 2.0L turbo gasoline engine] |
| 45 | W | - [With VR30 engine] |
| 46 | B | - [With VR30 engine] |
| 46 | Y | - [With 2.0L turbo gasoline engine] |
| 47 | G | - |
| 48 | SHIELD | - |
| 49 | R | - |
| 50 | BR | - [With VR30 engine] |
| 50 | GR | - [With 2.0L turbo gasoline engine] |
| 51 | L | - |
| 52 | W | - |
| 53 | V | - |
| 54 | P | - [With VR30 engine] |
| 54 | W | - [With 2.0L turbo gasoline engine] |
| 55 | B | - [With 2.0L turbo gasoline engine] |
| 55 | W | - [With VR30 engine] |
| 56 | BG | - [With 2.0L turbo gasoline engine] |
| 56 | SB | - [With VR30 engine] |
| 57 | BG | - [With VR30 engine] |
| 57 | W | - [With 2.0L turbo gasoline engine] |
| 58 | B | - [Color of wire differs depending on production] |
| 58 | B/W | - [Color of wire differs depending on production] |
| 59 | W | - |
| 61 | R | - |
| 64 | Y | - |
| 65 | BR | - [Color of wire differs depending on production] |
| 65 | GR | - [Color of wire differs depending on production] |
| 66 | GR | - |
| 67 | LG | - |
| 68 | BG | - |
| 69 | L | - |
| 70 | R | - |
| 71 | G | - [With 2.0L turbo gasoline engine] |
| 71 | LG | - [With VR30 engine] |
| 72 | L | - [With 2.0L turbo gasoline engine] |
| 72 | V | - [With VR30 engine] |
| 73 | G | - [With VR30 engine] |
| 73 | W | - [With 2.0L turbo gasoline engine] |
| 74 | BR | - [With VR30 engine] |
| 74 | L | - [With 2.0L turbo gasoline engine] |
| 75 | P | - [With 2.0L turbo gasoline engine and without gateway] |
| 75 | R | - [With 2.0L turbo gasoline engine and with gateway] |
| 75 | V | - [With VR30 engine] |
| 76 | G | - |
| 77 | Y | - |
| 78 | LG | - [With 2.0L turbo gasoline engine and with ADAS] |
| 78 | P | - [With VR30 engine] |
| 78 | V | - [With 2.0L turbo gasoline engine and without ADAS] |
| 79 | SB | - |
| 80 | G | - |
| 81 | R | - |
| 82 | V | - |
| 83 | BR | - [With 2.0L turbo gasoline engine] |
| 83 | R | - [With VR30 engine] |
| 84 | LG | - |
| 86 | BG | - |
| 87 | G | - |
| 89 | LG | - |
| 90 | G | - [With VR30 engine] |
| 90 | GR | - [With 2.0L turbo gasoline engine] |
| 91 | G | - |
| 93 | BG | - |
| 94 | GR | - [With VR30 engine] |
| 94 | L | - [With 2.0L turbo gasoline engine] |
| 95 | BG | - [With VR30 engine] |
| 95 | P | - [With 2.0L turbo gasoline engine and without gateway] |
| 95 | R | - [With 2.0L turbo gasoline engine and with gateway] |
| 96 | W | - |
| 97 | LG | - |
| 98 | L | - |
| 99 | LG | - [With 2.0L turbo gasoline engine] |
| 99 | P | - [With VR30 engine] |
| 100 | SHIELD | - |

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 65 | GR | - |
| 65 | SB | - |
| 66 | BG | - |
| 67 | BG | - [With VR30 engine] |
| 68 | LG | - [With 2.0L turbo gasoline engine] |
| 68 | Y | - [With VR30 engine] |
| 69 | V | - [With 2.0L turbo gasoline engine] |
| 69 | W | - [With VR30 engine] |
| 70 | GR | - [With 2.0L turbo gasoline engine] |
| 70 | LG | - [With VR30 engine] |
| 71 | BG | - [With 2.0L turbo gasoline engine] |
| 71 | GR | - [With VR30 engine] |
| 72 | G | - |
| 73 | P | - |
| G | L | - [With VR30 engine] |
| G | R | - [With 2.0L turbo gasoline engine] |
| H | G | - [With 2.0L turbo gasoline engine] |
| H | R | - [With VR30 engine] |
| J | BR | - [With EPS] [With 2.0L turbo gasoline engine] |
| J | R | - [Without EPS] |
| J | W | - [With EPS] [With VR30 engine] |
| K | L | - |
| L | G | - [With VR30 engine] |
| L | P | - [With 2.0L turbo gasoline engine] |
| M | W | - |
| N | Y | - |
| O | L | - |
| Q | BG | - [With 2.0L turbo gasoline engine] |
| Q | G | - [With VR30 engine] |
| R | GR | - |
| S | BG | - [With 2.0L turbo gasoline engine] |
| S | BR | - [With VR30 engine] |

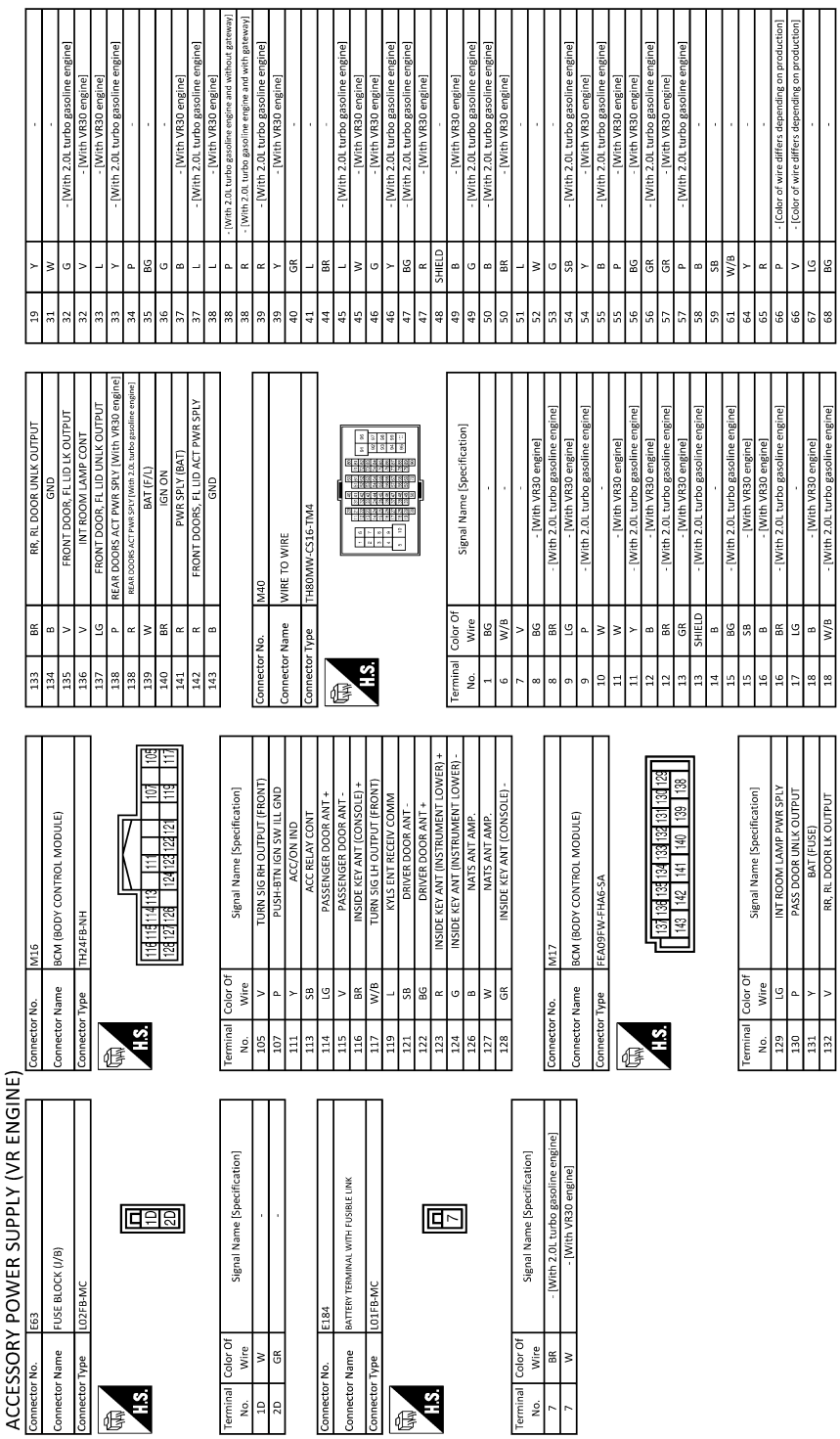
| Connector No. | E46 |
|---|---|
| Connector Name | FUSE AND FUSIBLE LINK BLOCK |
| Connector Type | 24384_4GA0A |

H.S.




JRMWJ4872GB

ACCESSORY POWER SUPPLY (VR ENGINE)



| Connector No. | E63 |
|---|---|
| Connector Name | FUSE BLOCK (J/B) |
| Connector Type | LO2FB-MC |

H.S.

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

| Connector No. | E184 |
|---|---|
| Connector Name | BATTERY TERMINAL WITH FUSIBLE LINK |
| Connector Type | LO1FB-MC |

H.S.

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 7 | BR | - [With 2.0L turbo gasoline engine] |
| 7 | W | - [With VR30 engine] |

| Connector No. | M16 |
|---|---|
| Connector Name | BCM (BODY CONTROL MODULE) |
| Connector Type | TH24FB-NH |

H.S.

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 105 | V | TURN SIG RH OUTPUT (FRONT) |
| 107 | P | PUSH-BTN IGN SW ILL GND |
| 111 | Y | ACC/ON IND |
| 113 | SB | ACC RELAY CONT |
| 114 | LG | PASSENGER DOOR ANT + |
| 115 | V | PASSENGER DOOR ANT - |
| 116 | BR | INSIDE KEY ANT (CONSOLE) + |
| 117 | W/B | TURN SIG LH OUTPUT (FRONT) |
| 119 | L | KYLS ENT RECEIV COMM |
| 121 | SB | DRIVER DOOR ANT - |
| 122 | BG | DRIVER DOOR ANT + |
| 123 | R | INSIDE KEY ANT (INSTRUMENT LOWER) + |
| 124 | G | INSIDE KEY ANT (INSTRUMENT LOWER) - |
| 126 | B | NATS ANT AMP. |
| 127 | W | NATS ANT AMP. |
| 128 | GR | INSIDE KEY ANT (CONSOLE) - |

| Connector No. | M17 |
|---|---|
| Connector Name | BCM (BODY CONTROL MODULE) |
| Connector Type | FEA09FW-FHA6-5A |

H.S.

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 129 | LG | INT ROOM LAMP PWR SPLY |
| 130 | P | PASS DOOR UNLK OUTPUT |
| 131 | Y | BAT (FUSE) |
| 132 | V | RR, RL DOOR LK OUTPUT |
| 133 | BR | RR, RL DOOR UNLK OUTPUT |
| 134 | B | GND |
| 135 | V | FRONT DOOR, FL LID LK OUTPUT |
| 136 | V | INT ROOM LAMP CONT |
| 137 | LG | FRONT DOOR, FL LID UNLK OUTPUT |
| 138 | P | REAR DOORS ACT PWR SPLY [With VR30 engine] |
| 138 | R | REAR DOORS ACT PWR SPLY [With 2.0L turbo gasoline engine] |
| 139 | W | BAT (F/L) |
| 140 | BR | IGN ON |
| 141 | R | PWR SPLY (BAT) |
| 142 | R | FRONT DOORS, FL LID ACT PWR SPLY |
| 143 | B | GND |

| Connector No. | M40 |
|---|---|
| Connector Name | WIRE TO WIRE |
| Connector Type | TH80MW-CS16-TM4 |

H.S.

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | BG | - |
| 6 | W/B | - |
| 7 | V | |
| 8 | BG | - [With VR30 engine] |
| 8 | BR | - [With 2.0L turbo gasoline engine] |
| 9 | LG | - [With VR30 engine] |
| 9 | P | - [With 2.0L turbo gasoline engine] |
| 10 | W | - |
| 11 | W | - [With VR30 engine] |
| 11 | Y | - [With 2.0L turbo gasoline engine] |
| 12 | B | - [With VR30 engine] |
| 12 | BR | - [With 2.0L turbo gasoline engine] |
| 13 | GR | - [With VR30 engine] |
| 13 | SHIELD | - [With 2.0L turbo gasoline engine] |
| 14 | B | - |
| 15 | BG | - [With 2.0L turbo gasoline engine] |
| 15 | SB | - [With VR30 engine] |
| 16 | B | - [With VR30 engine] |
| 16 | BR | - [With 2.0L turbo gasoline engine] |
| 17 | LG | - |
| 18 | B | - [With VR30 engine] |
| 18 | W/B | - [With 2.0L turbo gasoline engine] |
| 19 | Y | - |
| 31 | W | - |
| 32 | G | - [With 2.0L turbo gasoline engine] |
| 32 | V | - [With VR30 engine] |
| 33 | L | - [With VR30 engine] |
| 33 | Y | - [With 2.0L turbo gasoline engine] |
| 34 | P | - |
| 35 | BG | - |
| 36 | G | - |
| 37 | B | - [With VR30 engine] |
| 37 | L | - [With 2.0L turbo gasoline engine] |
| 38 | L | - [With VR30 engine] |
| 38 | P | - [With 2.0L turbo gasoline engine and without gateway] |
| 38 | R | - [With 2.0L turbo gasoline engine and with gateway] |
| 39 | R | - [With 2.0L turbo gasoline engine] |
| 39 | Y | - [With VR30 engine] |
| 40 | GR | - |
| 41 | L | - |
| 44 | BR | - |
| 45 | L | - [With 2.0L turbo gasoline engine] |
| 45 | W | - [With VR30 engine] |
| 46 | G | - [With VR30 engine] |
| 46 | Y | - [With 2.0L turbo gasoline engine] |
| 47 | BG | - [With 2.0L turbo gasoline engine] |
| 47 | R | - [With VR30 engine] |
| 48 | SHIELD | - |
| 49 | B | - [With VR30 engine] |
| 49 | G | - [With 2.0L turbo gasoline engine] |
| 50 | B | - [With 2.0L turbo gasoline engine] |
| 50 | BR | - [With VR30 engine] |
| 51 | L | - |
| 52 | W | - |
| 53 | G | - |
| 54 | SB | - [With 2.0L turbo gasoline engine] |
| 54 | Y | - [With VR30 engine] |
| 55 | B | - [With 2.0L turbo gasoline engine] |
| 55 | P | - [With VR30 engine] |
| 56 | BG | - [With VR30 engine] |
| 56 | GR | - [With 2.0L turbo gasoline engine] |
| 57 | GR | - [With VR30 engine] |
| 57 | P | - [With 2.0L turbo gasoline engine] |
| 58 | B | - |
| 59 | SB | - |
| 61 | W/B | - |
| 64 | Y | - |
| 65 | R | - |
| 66 | P | - [Color of wire differs depending on production] |
| 66 | V | - [Color of wire differs depending on production] |
| 67 | LG | - |
| 68 | BG | - |

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ACCESSORY POWER SUPPLY (VR ENGINE)

| | | |
|---|---|---|
| 69 | L | - |
| 70 | R | - |
| 71 | V | - [With VR30 engine] |
| 71 | W | - [With 2.0L turbo gasoline engine] |
| 72 | L | - [With 2.0L turbo gasoline engine] |
| 72 | LG | - [With VR30 engine] |
| 73 | R | - [With VR30 engine] |
| 73 | W | - [With 2.0L turbo gasoline engine] |
| 74 | BR | - [With VR30 engine] |
| 74 | L | - [With 2.0L turbo gasoline engine] |
| 75 | B | - [With VR30 engine] |
| 75 | P | - [With 2.0L turbo gasoline engine and without gateway] |
| 75 | R | - [With 2.0L turbo gasoline engine and with gateway] |
| 76 | W/B | - |
| 77 | SB | - |
| 78 | G | - [With VR30 engine] |
| 78 | LG | - [With 2.0L turbo gasoline engine] |
| 79 | R | - |
| 80 | G | - |
| 81 | R | - |
| 82 | LG | - |
| 83 | BR | - [With 2.0L turbo gasoline engine] |
| 83 | R | - [With VR30 engine] |
| 84 | V | - |
| 86 | V | - |
| 87 | G | - |
| 89 | V | - |
| 90 | G | - [With VR30 engine] |
| 90 | V | - [With 2.0L turbo gasoline engine] |
| 91 | W | - |
| 92 | G | - |
| 93 | BR | - |
| 94 | GR | - [With VR30 engine] |
| 94 | L | - [With 2.0L turbo gasoline engine] |
| 95 | BR | - [With VR30 engine] |
| 95 | P | - [With 2.0L turbo gasoline engine and without gateway] |
| 95 | R | - [With 2.0L turbo gasoline engine and with gateway] |
| 96 | W | - |
| 97 | LG | - |
| 98 | Y | - |
| 99 | BR | - [With VR30 engine] |
| 99 | LG | - [With 2.0L turbo gasoline engine] |
| 100 | SHIELD | - |

| | |
|---|---|
| Connector No. | M69 |
| Connector Name | CONSOLE POWER SOCKET |
| Connector Type | CEA01FB-CHA2 |

H.S.


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

| | |
|---|---|
| Connector No. | M132 |
| Connector Name | FUSE BLOCK (J/B) |
| Connector Type | NS16FW-CS |

H.S.


| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 11B | LG | - |
| 13B | P | - |
| 14B | G | - |
| 15B | Y | - |
| 16B | Y | - |
| 2B | B | - |
| 4B | W | - |
| 5B | R | - |
| 9B | Y | - |

| | |
|---|---|
| Connector No. | M133 |
| Connector Name | FUSE BLOCK (J/B) |
| Connector Type | TH40FW-NH |

H.S.



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 10C | V | - |
| 12C | L | - |
| 13C | L | - |
| 14C | Y | - |
| 15C | R | - |
| 16C | R | - |
| 17C | L | - |
| 18C | BG | - [Without DRPO] |
| 18C | P | - [With DRPO] |
| 19C | B | - |
| 1C | R | - |
| 20C | W | - |
| 21C | L | - |
| 22C | L | - |
| 23C | L | - |
| 25C | LG | - |
| 26C | SB | - |
| 27C | P | - |
| 28C | W | - |
| 29C | W | - |
| 2C | R | - |
| 30C | R | - |
| 31C | W | - |
| 32C | R | - |
| 33C | B | - [With VR30 engine] |
| 33C | R | - [With 2.0L turbo gasoline engine] |
| 34C | W/B | - |
| 35C | SB | - |
| 36C | R | - |
| 37C | W | - |
| 38C | SB | - |
| 39C | V | - |
| 3C | P | - |
| 40C | G | - |
| 4C | P | - |
| 5C | P | - |

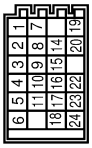
| | |
|---|---|
| Connector No. | M169 |
| Connector Name | FRONT POWER SOCKET |
| Connector Type | NS03FW-CS |

H.S.


| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | Y | +ACC |
| 2 | R | TAIL_LAMP_RLY |
| 3 | B | GND |

| | |
|---|---|
| Connector No. | M171 |
| Connector Name | JOINT CONNECTOR-M01 |
| Connector Type | 24342_4GA2A |

H.S.




| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | B | - |
| 2 | B | - |
| 3 | B | - |
| 4 | B | - |
| 5 | B | - |
| 6 | B | - |
| 7 | B | - |
| 8 | B | - |
| 9 | B | - |
| 10 | G | - |
| 11 | G | - |

| | |
|---|---|
| 6C | G |
| 7C | G |
| 8C | G |
| 9C | V |

JRMWJ4874GB

ACCESSORY POWER SUPPLY (VR ENGINE)

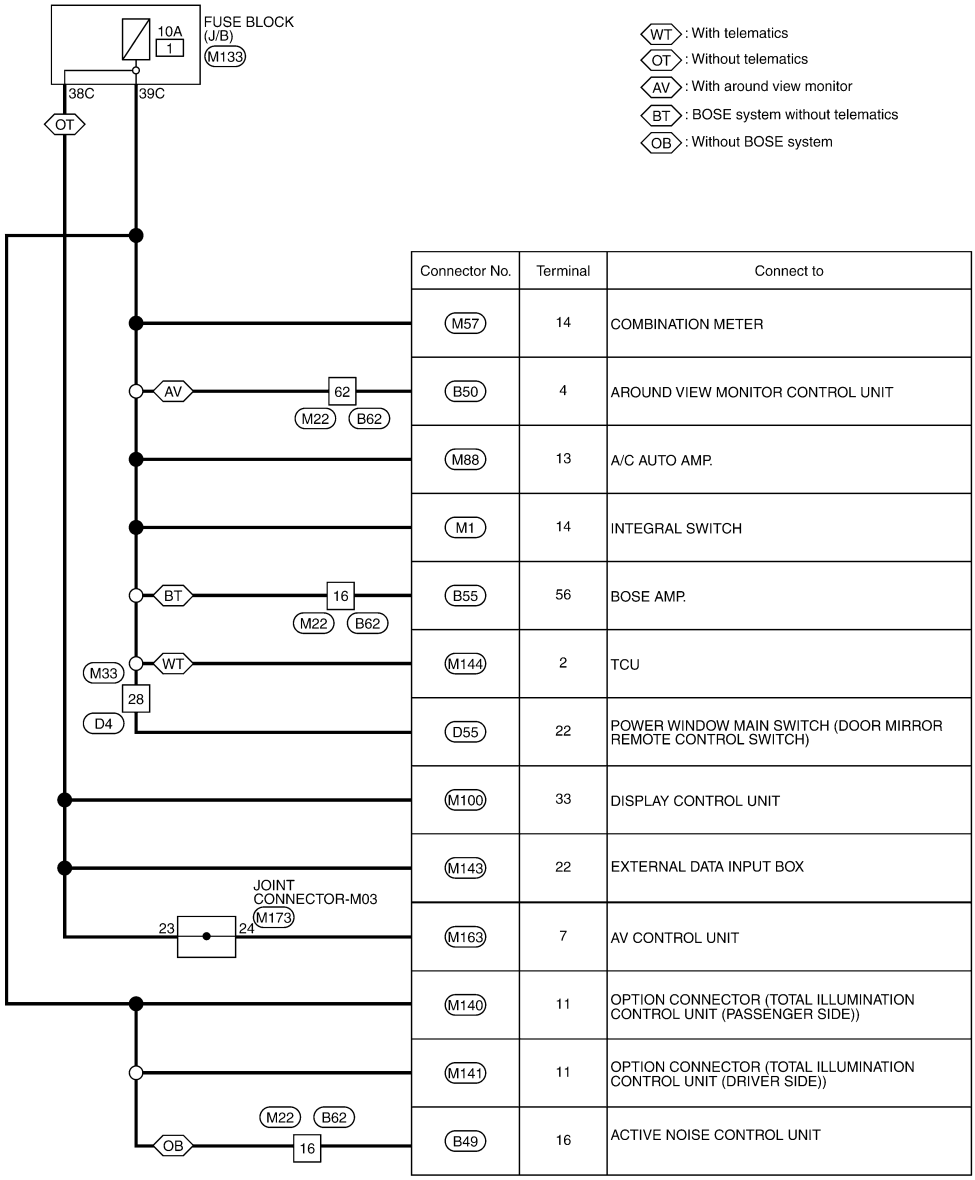
| | | |
|---|---|---|
| 14 | B | - |
| 15 | B | - |
| 16 | SB | - [With VR30 engine] |
| 16 | Y | - [With 2.0L turbo gasoline engine] |
| 17 | SB | - [With VR30 engine] |
| 17 | Y | - [With 2.0L turbo gasoline engine] |
| 18 | SB | - [With VR30 engine] |
| 18 | Y | - [With 2.0L turbo gasoline engine] |
| 19 | G | - |
| 20 | G | - |
| 22 | LG | - [With VR30 engine] |
| 22 | SB | - [With 2.0L turbo gasoline engine] |
| 23 | LG | - [With VR30 engine] |
| 23 | SB | - [With 2.0L turbo gasoline engine] |
| 24 | LG | - [With VR30 engine] |
| 24 | SB | - [With 2.0L turbo gasoline engine] |

JRMWJ4875GB

# VR30DDTT : Wiring Diagram - ACCESSORY POWER SUPPLY FUSE No. 1 -

INFOID:0000000012791626

## ACCESSORY POWER SUPPLY FUSE No. 1 (VR ENGINE)



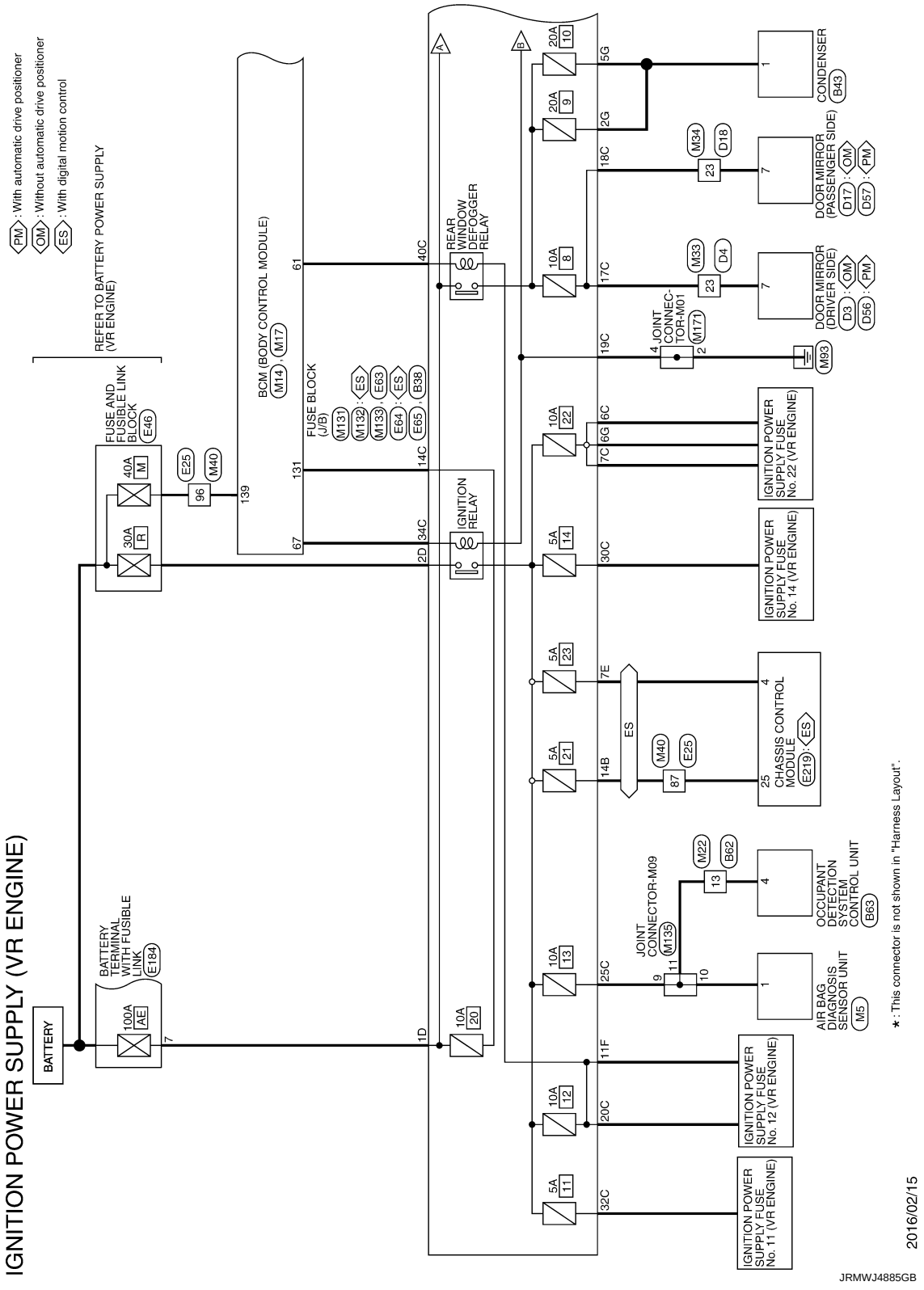

| Connector No. | Terminal | Connect to |
|---|---|---|
| M57 | 14 | COMBINATION METER |
| B50 | 4 | AROUND VIEW MONITOR CONTROL UNIT |
| M88 | 13 | A/C AUTO AMP. |
| M1 | 14 | INTEGRAL SWITCH |
| B55 | 56 | BOSE AMP. |
| M144 | 2 | TCU |
| D55 | 22 | POWER WINDOW MAIN SWITCH (DOOR MIRROR REMOTE CONTROL SWITCH) |
| M100 | 33 | DISPLAY CONTROL UNIT |
| M143 | 22 | EXTERNAL DATA INPUT BOX |
| M163 | 7 | AV CONTROL UNIT |
| M140 | 11 | OPTION CONNECTOR (TOTAL ILLUMINATION CONTROL UNIT (PASSENGER SIDE)) |
| M141 | 11 | OPTION CONNECTOR (TOTAL ILLUMINATION CONTROL UNIT (DRIVER SIDE)) |
| B49 | 16 | ACTIVE NOISE CONTROL UNIT |

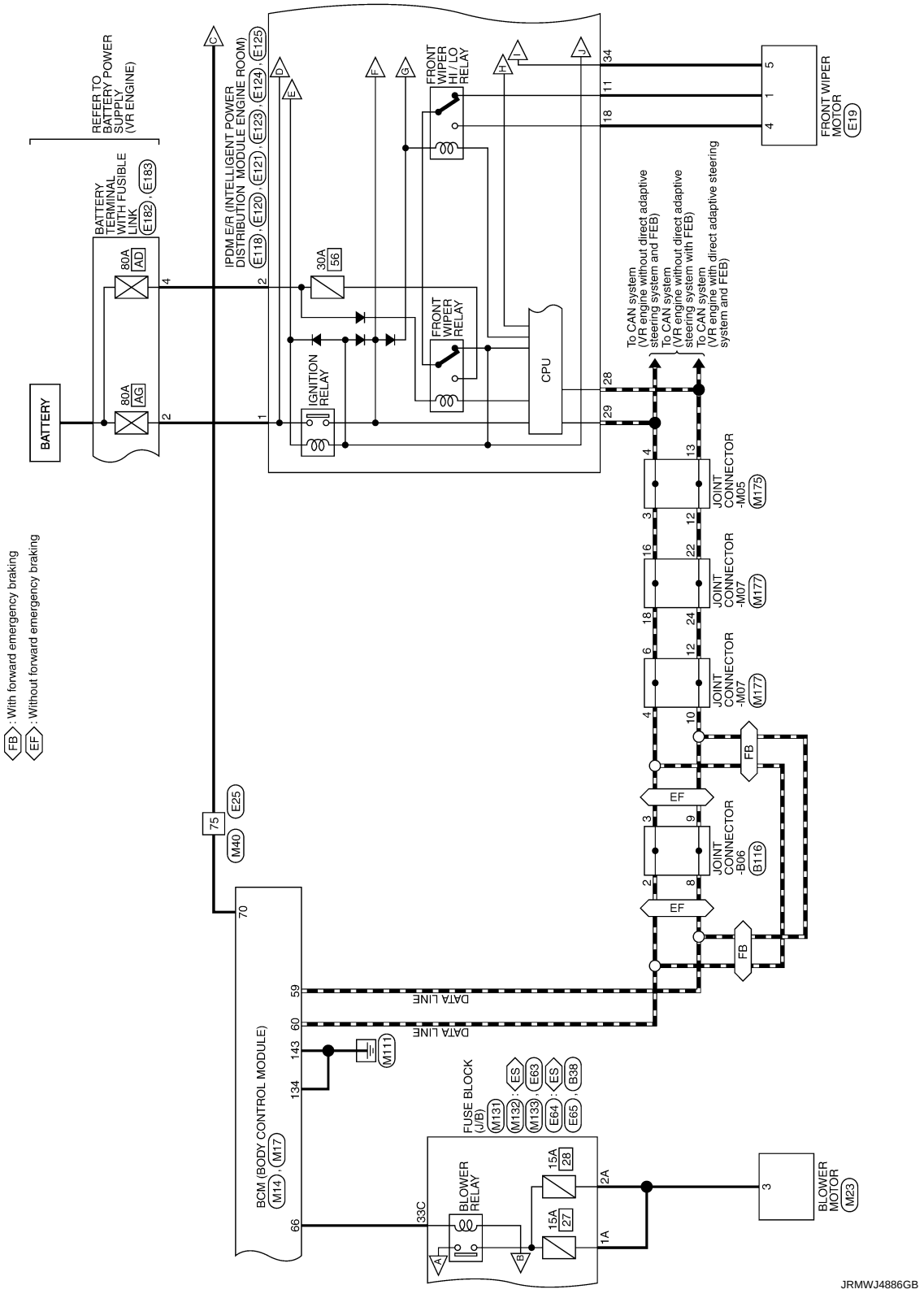
2016/02/15

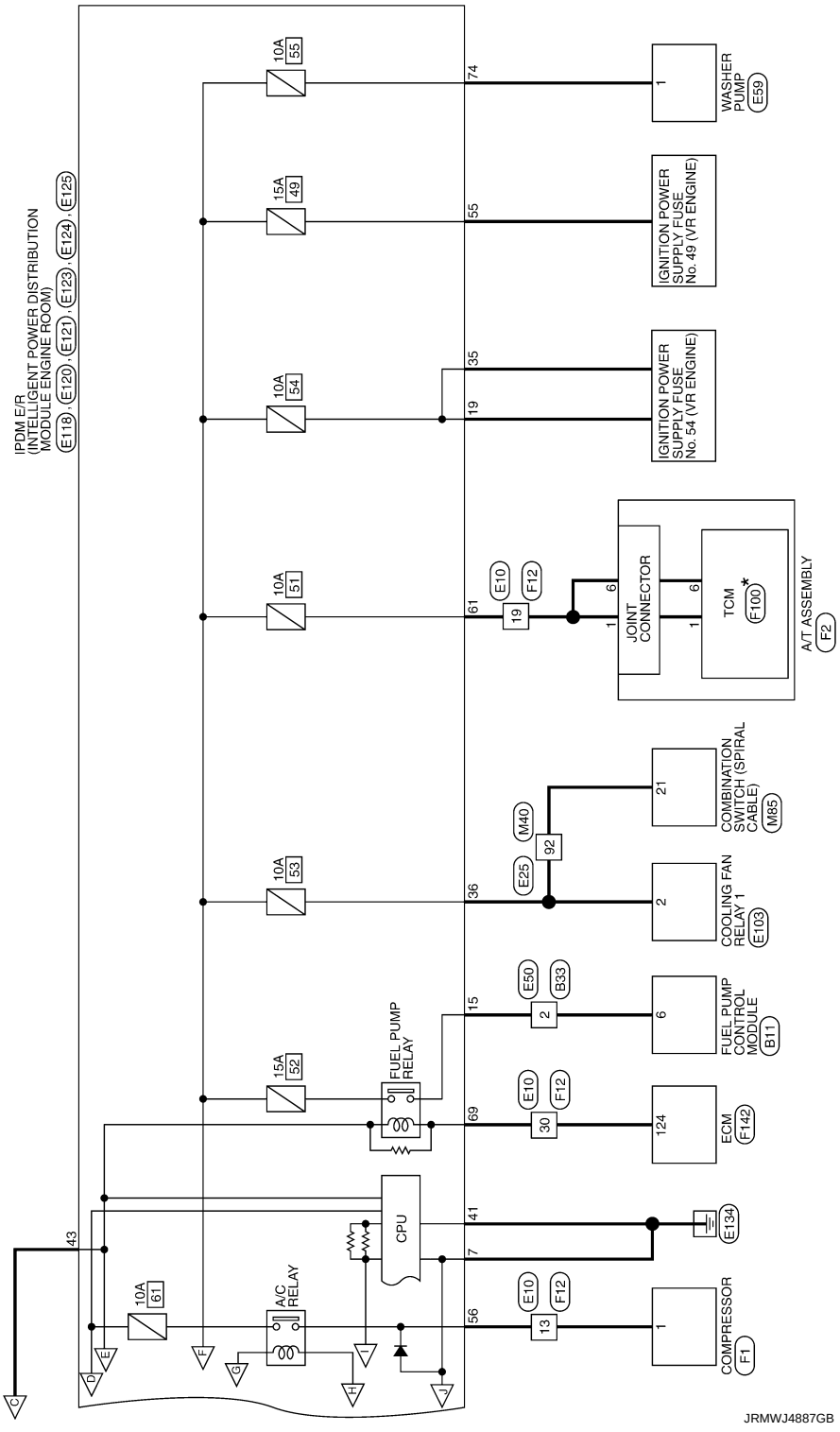
JRMWJ4876GB

## VR30DDTT : Wiring Diagram - IGNITION POWER SUPPLY -

INFOID:0000000012791627




REFER TO BATTERY POWER SUPPLY (VR ENGINE)
BATTERY TERMINAL WITH FUSIBLE LINK (E182), (E183)
80A AD
80A AG
BATTERY
IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) (E118), (E120), (E121), (E123), (E124), (E125)
30A 56
IGNITION RELAY
FRONT WIPER RELAY
FRONT WIPER HI / LO RELAY
CPU
FRONT WIPER MOTOR (E19)
To CAN system (VR engine without direct adaptive steering system and FEB)
To CAN system (VR engine without direct adaptive steering system with FEB)
To CAN system (VR engine with direct adaptive steering system and FEB)
JOINT CONNECTOR -M05 (M175)
JOINT CONNECTOR -M07 (M177)
JOINT CONNECTOR -M07 (M177)
JOINT CONNECTOR -B06 (B116)
FB
EF
75 (M40), (E25)
BCM (BODY CONTROL MODULE) (M14), (M17)
DATA LINE
DATA LINE
(M111)
FUSE BLOCK (J/B) (M131), (M132) : ES, (E63), (M133), (E64) : ES, (E65), (B38)
BLOWER RELAY
15A 28
15A 27
BLOWER MOTOR (M23)
FB : With forward emergency braking
EF : Without forward emergency braking
JRMWJ4886GB


IPDM E/R
(INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
(E118), (E120), (E121), (E123), (E124), (E125)
10A 55
15A 49
10A 54
10A 51
10A 53
15A 52
10A 61
A/C RELAY
FUEL PUMP RELAY
CPU
74
55
35
19
61
36
15
69
41
7
56
43
WASHER PUMP E59
IGNITION POWER SUPPLY FUSE No. 49 (VR ENGINE)
IGNITION POWER SUPPLY FUSE No. 54 (VR ENGINE)
JOINT CONNECTOR
TCM *
(F100)
A/T ASSEMBLY F2
E10 F12
19
6
1
COMBINATION SWITCH (SPIRAL CABLE) M85
21
M40
92
E25
COOLING FAN RELAY 1 E103
2
E50 B33
2
FUEL PUMP CONTROL MODULE B11
6
E10 F12
30
ECM F142
124
E134
COMPRESSOR F1
13
JRMWJ4887GB

IGNITION POWER SUPPLY (VR ENGINE)

| Connector No. | B1 |
|---|---|
| Connector Name | ADAS CONTROL UNIT |
| Connector Type | TH24FW-NH |

H.S.


| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | L | CAN-H |
| 2 | R | CAN-L |
| 5 | B | GROUND |
| 6 | L | ITS COMM-H |
| 7 | Y | ITS COMM-L |
| 8 | L | CHASSIS COMM-H |
| 9 | R | CHASSIS COMM-L |
| 12 | G | IGNITION [Except with VR30 engine and without ISS] |
| 12 | GR | IGNITION [VR30 engine and without ISS] |
| 17 | V | BRAKE HOLD RLY DRIVE SIGNAL |
| 23 | Y | STEERING SW SIGNAL GROUND |
| 24 | SB | STEERING SW SIGNAL |

| Connector No. | B11 |
|---|---|
| Connector Name | FUEL PUMP CONTROL MODULE |
| Connector Type | TB06FB |

H.S.


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

| Connector No. | B33 |
|---|---|
| Connector Name | WIRE TO WIRE |
| Connector Type | M06FW-LC |

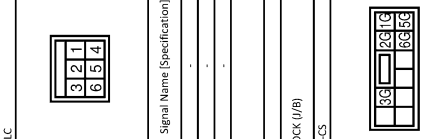
H.S.




| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 2 | BR | - |
| 4 | L | - |
| 5 | R | - |

| Connector No. | B38 |
|---|---|
| Connector Name | FUSE BLOCK (J/B) |
| Connector Type | NS10FW-CS |

H.S.




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

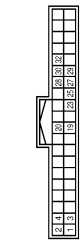
| Connector No. | B43 |
|---|---|
| Connector Name | CONDENSER |
| Connector Type | M01FW-LC |

H.S.


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

| Connector No. | B50 |
|---|---|
| Connector Name | AROUND VIEW MONITOR CONTROL UNIT |
| Connector Type | TH40FW-NH |

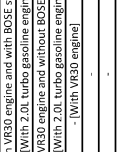
H.S.




| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | B | GND |
| 2 | Y | BAT |
| 3 | LG | IGN |
| 4 | P | ACC |
| 19 | P | AV COMM (H) |
| 20 | LG | AV COMM (L) |
| 23 | SHIELD | AV COMM GND |
| 25 | BG | REVERSE SIGNAL |
| 27 | L | CAN-H |
| 28 | P | CAN-L [Without ADAS] [For VR30 engine] |
| 28 | R | CAN-L [With ADAS] |
| 28 | Y | CAN-L [Without ADAS] [For 2.0L turbo gasoline engine] |
| 29 | B | CAN GND |
| 30 | W | RETRACT MOTOR OPERATING SIGNAL [OPEN] |
| 32 | G | RETRACT MOTOR OPERATING SIGNAL [CLOSE] |

| Connector No. | B62 |
|---|---|
| Connector Name | WIRE TO WIRE |
| Connector Type | TH80FW-CS16-TM4 |

H.S.



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | BR | [With 2.0L turbo gasoline engine and without BOSE system] |
| 1 | LG | - [With VR30 engine] |
| 1 | W | - [With 2.0L turbo gasoline engine and with BOSE system] |
| 2 | L | - [With VR30 engine] |
| 2 | SHIELD | - [With 2.0L turbo gasoline engine] |
| 3 | BR | - [With 2.0L turbo gasoline engine] |
| 3 | R | - [With VR30 engine and with BOSE system] |
| 3 | W | - [With VR30 engine and without BOSE system] |
| 4 | SHIELD | - [With VR30 engine] |
| 4 | Y | - [With 2.0L turbo gasoline engine] |
| 5 | G | - [With VR30 engine] |
| 5 | V | - [With 2.0L turbo gasoline engine] |
| 6 | BG | - [With VR30 engine] |
| 6 | BR | - [With 2.0L turbo gasoline engine] |
| 7 | B | [With 2.0L turbo gasoline engine and with BOSE system] |
| 7 | BR | - [With VR30 engine and without BOSE system] |
| 7 | W | - [With VR30 engine and with BOSE system] |
| 7 | Y | [With 2.0L turbo gasoline engine and without BOSE system] |
| 8 | B | - [With VR30 engine and with BOSE system] |
| 8 | G | - [With 2.0L turbo gasoline engine] |
| 8 | Y | - [With VR30 engine and without BOSE system] |
| 9 | LG | - [With 2.0L turbo gasoline engine] |
| 9 | SHIELD | - [With VR30 engine] |
| 10 | V | - |
| 11 | GR | - |
| 12 | Y | - |
| 13 | R | - |
| 14 | BG | - |
| 15 | BG | - [With 2.0L turbo gasoline engine] |
| 15 | GR | - [With VR30 engine] |
| 16 | V | - |
| 17 | P | - |
| 18 | L | - |
| 19 | R | - |
| 20 | GR | - |

JRMWJ4888GB

IGNITION POWER SUPPLY (VR ENGINE)

| | | |
|---|---|---|
| 21 | R | - |
| 22 | V | - |
| 23 | W | - |
| 24 | BG | - [With 2.0L turbo gasoline engine] |
| 24 | V | - [With VR30 engine] |
| 25 | L | - [With 2.0L turbo gasoline engine] |
| 25 | SB | - [With VR30 engine] |
| 26 | G | - [With VR30 engine] |
| 26 | W | - [With 2.0L turbo gasoline engine] |
| 27 | R | - |
| 29 | LG | - |
| 30 | LG | - [With 2.0L turbo gasoline engine] |
| 30 | P | - [With VR30 engine] |
| 31 | SHIELD | - |
| 32 | L | - [With VR30 engine] |
| 33 | B | - [With 2.0L turbo gasoline engine] |
| 33 | LG | - [With VR30 engine] |
| 34 | SHIELD | - |
| 35 | LG | - [With VR30 engine] |
| 35 | W | - [With 2.0L turbo gasoline engine] |
| 36 | R | - [With VR30 engine] |
| 36 | W | - [With 2.0L turbo gasoline engine] |
| 37 | P | - [With 2.0L turbo gasoline engine and without BOSE system] |
| 37 | R | - [With VR30 engine] |
| 37 | W | - [With 2.0L turbo gasoline engine and with BOSE system] |
| 38 | W | - |
| 39 | P | - [With VR30 engine and without BOSE system] |
| 39 | R | - [With 2.0L turbo gasoline engine] |
| 39 | W | - [With VR30 engine and with BOSE system] |
| 40 | G | - |
| 41 | L | - |
| 42 | R | - |
| 43 | SHIELD | - |
| 44 | P | - |
| 45 | B | - [With 2.0L turbo gasoline engine] |
| 45 | G | - [With VR30 engine] |
| 46 | SHIELD | - |
| 47 | G | - |
| 48 | BG | - |
| 49 | G | - |
| 50 | V | - |
| 51 | GR | - |
| 52 | W | - [With 2.0L turbo gasoline engine] |
| 52 | Y | - [With VR30 engine] |
| 53 | R | - |
| 54 | GR | - |
| 55 | L | - |
| 56 | V | - |
| 57 | R | - |
| 58 | LG | - |
| 59 | P | - |
| 61 | L | - |
| 62 | P | - [With VR30 engine] |
| 62 | V | - [With 2.0L turbo gasoline engine] |
| 63 | L | - |
| 64 | W | - |
| 66 | LG | - |
| 68 | L | - |
| 69 | P | - |
| 71 | GR | - [With 2.0L turbo gasoline engine] |
| 71 | R | - [With VR30 engine] |
| 72 | G | - [With VR30 engine] |
| 72 | Y | - [With 2.0L turbo gasoline engine] |
| 73 | R | - [With 2.0L turbo gasoline engine] |
| 73 | SHIELD | - [With VR30 engine] |
| 74 | BG | - [With 2.0L turbo gasoline engine] |
| 74 | L | - [With VR30 engine] |
| 75 | GR | - [With 2.0L turbo gasoline engine] |
| 75 | V | - [With VR30 engine] |
| 76 | GR | - [With VR30 engine] |
| 76 | V | - [With 2.0L turbo gasoline engine] |
| 77 | P | - |
| 78 | L | - |
| 79 | R | - |
| 80 | GR | - [With 2.0L turbo gasoline engine] |
| 80 | W | - [With VR30 engine] |
| 81 | B | - [With VR30 engine] |
| 81 | R | - [With 2.0L turbo gasoline engine] |
| 82 | G | - [With 2.0L turbo gasoline engine] |
| 82 | SHIELD | - [With VR30 engine] |
| 83 | R | - [With 2.0L turbo gasoline engine] |
| 83 | W | - [With VR30 engine] |
| 84 | BR | - [With VR30 engine] |
| 84 | SHIELD | - [With 2.0L turbo gasoline engine] |
| 85 | BG | - [With VR30 engine] |
| 85 | G | - [With 2.0L turbo gasoline engine] |
| 86 | R | - [With 2.0L turbo gasoline engine] |
| 86 | W | - [With VR30 engine] |
| 87 | LG | - [With VR30 engine] |
| 87 | SHIELD | - [With 2.0L turbo gasoline engine] |
| 89 | LG | - |
| 90 | P | - [With 2.0L turbo gasoline engine] |
| 90 | V | - [With VR30 engine] |
| 92 | L | - [With 2.0L turbo gasoline engine] |
| 92 | W | - [With VR30 engine] |
| 93 | R | - [With VR30 engine] |
| 93 | SHIELD | - [With 2.0L turbo gasoline engine] |
| 94 | R | - |
| 95 | L | - [With 2.0L turbo gasoline engine] |
| 95 | Y | - [With VR30 engine] |
| 96 | R | - [With 2.0L turbo gasoline engine] |
| 96 | W | - [With VR30 engine] |
| 97 | L | - [With VR30 engine] |
| 97 | R | - [With 2.0L turbo gasoline engine and with BOSE system] |
| 97 | W | - [With 2.0L turbo gasoline engine and without BOSE system] |
| 98 | LG | - |
| 99 | BR | - [With VR30 engine and with BOSE system] |
| 99 | P | - [With 2.0L turbo gasoline engine] |
| 99 | Y | - [With VR30 engine and without BOSE system] |
| 100 | BR | - [With VR30 engine] |
| 100 | W | - [With 2.0L turbo gasoline engine] |

| | |
|---|---|
| Connector No. | B63 |
| Connector Name | OCCUPANT DETECTION SYSTEM CONTROL UNIT |
| Connector Type | TH08FW-NH |







| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 2 | V | COMMUNICATION |
| 4 | R | IGN |
| 5 | B | GND |
| 7 | Y | K-LINE |

| | |
|---|---|
| Connector No. | B92 |
| Connector Name | SIDE RADAR LH |
| Connector Type | AAC06FB-WP-5P |







| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 2 | B | GROUND |
| 3 | R | ITS COMM-L |
| 4 | L | ITS COMM-H |
| 5 | GR | IGNITION |
| 6 | BR | BLIND SPOT WARNING/BLIND SPOT INTERVENTION INDICATOR |

| | |
|---|---|
| Connector No. | B93 |
| Connector Name | SIDE RADAR RH |
| Connector Type | AAC06FB-WP |







| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | B | RIGHT/LEFT SWITCHING SIGNAL |
| 2 | B | GROUND |
| 3 | P | ITS COMM-L |
| 4 | L | ITS COMM-H |
| 5 | GR | IGNITION |
| 6 | SB | BLIND SPOT WARNING/BLIND SPOT INTERVENTION INDICATOR |

| | |
|---|---|
| Connector No. | B116 |
| Connector Name | JOINT CONNECTOR-B06 |
| Connector Type | 24342_4GA2A |







| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | L | - |
| 2 | L | - |
| 3 | L | - |
| 4 | L | - |
| 5 | L | - |
| 6 | L | - |
| 7 | R | - |
| 8 | R | - [With Gateway] |
| 8 | V | - [Without Gateway] |
| 9 | R | - [With Gateway] |

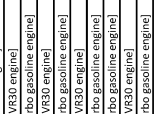
JRMWJ4889GB

IGNITION POWER SUPPLY (VR ENGINE)

| | | |
|---|---|---|
| 9 | V | - [Without Gateway] |
| 10 | R | - [With VR30 engine] |
| 10 | V | - [With 2.0L turbo gasoline engine] |
| 11 | V | - |
| 12 | P | - [With Gateway] |
| 12 | R | - [Without Gateway] |
| 13 | SHIELD | - |
| 14 | SHIELD | - |
| 15 | B | - [With 2.0L turbo gasoline engine] |
| 15 | SHIELD | - [With VR30 engine] |
| 16 | L | - [With VR30 engine] |
| 16 | SHIELD | - [With 2.0L turbo gasoline engine] |
| 17 | L | - [With VR30 engine] |
| 17 | SHIELD | - [With 2.0L turbo gasoline engine] |
| 18 | L | - [With VR30 engine] |
| 18 | SHIELD | - [With 2.0L turbo gasoline engine] |
| 19 | L | - [With 2.0L turbo gasoline engine] |
| 19 | SHIELD | - [With VR30 engine] |
| 20 | L | - [With 2.0L turbo gasoline engine] |
| 20 | SHIELD | - [With VR30 engine] |
| 21 | L | - |
| 22 | P | - |
| 23 | P | - |
| 24 | P | - [With VR30 engine] |
| 24 | Y | - [With 2.0L turbo gasoline engine] |

| | |
|---|---|
| Connector No. | B120 |
| Connector Name | JOINT CONNECTOR-802 |
| Connector Type | 24342_4GA2A |

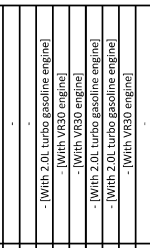
H.S.




| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | R | - |
| 2 | R | - |
| 3 | L | - [With VR30 engine] |
| 3 | R | - [With 2.0L turbo gasoline engine] |
| 4 | L | - [With VR30 engine] |
| 4 | R | - [With 2.0L turbo gasoline engine] |
| 5 | L | - |
| 6 | L | - |
| 7 | L | - |
| 8 | L | - |
| 9 | L | - [With 2.0L turbo gasoline engine] |
| 9 | R | - [With VR30 engine] |
| 10 | L | - [With 2.0L turbo gasoline engine] |
| 10 | R | - [With VR30 engine] |
| 11 | R | - |
| 12 | R | - |
| 13 | W | - |
| 14 | W | - |
| 15 | W | - |
| 17 | SHIELD | - |
| 18 | B | - |
| 19 | B | - [With 2.0L turbo gasoline engine] |
| 19 | GR | - [With VR30 engine] |
| 20 | GR | - [With VR30 engine] |
| 20 | SHIELD | - [With 2.0L turbo gasoline engine] |
| 21 | B | - [With 2.0L turbo gasoline engine] |
| 21 | GR | - [With VR30 engine] |
| 22 | W | - |
| 23 | W | - |
| 24 | W | - |

| | |
|---|---|
| Connector No. | D3 |
| Connector Name | DOOR MIRROR (DRIVER SIDE) |
| Connector Type | TH24MW-NH |

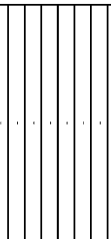
H.S.




| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 2 | R | - |
| 3 | G | - |
| 5 | B | - |
| 6 | W | - |
| 7 | L | - |
| 10 | Y | - |
| 11 | GR | - |
| 12 | L | - |
| 14 | B | - |
| 17 | SHIELD | - |
| 18 | R | - |
| 19 | B | - |

| | |
|---|---|
| Connector No. | D4 |
| Connector Name | WIRE TO WIRE |
| Connector Type | NH60FW-TS12 |

H.S.



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 2 | SB | - |
| 4 | BG | - |
| 5 | R | - |
| 6 | V | - |
| 7 | LG | - |
| 8 | G | - |
| 9 | GR | - |
| 10 | Y | - |
| 11 | SHIELD | - |
| 12 | BG | - |
| 13 | L | - |
| 14 | B | - |
| 15 | Y | - |
| 16 | GR | - |
| 17 | R | - |
| 18 | GR | - |
| 19 | R | - |
| 20 | W | - |
| 21 | LG | - |
| 22 | W | - |
| 23 | L | - |
| 24 | G | - |
| 25 | BR | - |
| 26 | R | - |
| 27 | BR | - |
| 28 | V | - |
| 29 | B | - |
| 30 | W | - |
| 31 | P | - |
| 32 | Y | - |
| 33 | BR | - |
| 34 | L | - |
| 35 | R | - |
| 36 | GR | - |
| 37 | G | - |
| 40 | LG | - [Color of wire differs depending on production] |
| 40 | P | - [Color of wire differs depending on production] |
| 41 | L | - |
| 43 | BG | - |
| 44 | Y | - |
| 46 | W | - |
| 47 | R | - |
| 49 | BR | - |
| 50 | B | - |
| 52 | V | - |
| 53 | GR | - |
| 55 | GR | - [Color of wire differs depending on production] |
| 55 | SB | - [Color of wire differs depending on production] |
| 56 | BR | - |
| 57 | R | - |
| 58 | L | - |
| 59 | V | - |
| 60 | G | - |
| 61 | BG | - |
| 62 | Y | - |
| 63 | SB | - |
| 64 | B | - |
| 65 | Y | - |
| 66 | BR | - |
| 68 | Y | - |
| 69 | L | - |
| 70 | W | - |
| 71 | LG | - |
| 72 | P | - |

| | |
|---|---|
| Connector No. | D17 |
| Connector Name | DOOR MIRROR (PASSENGER SIDE) |
| Connector Type | TH24MW-NH |

H.S.


| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 2 | R | - |
| 3 | W | - |
| 5 | B | - |
| 6 | R | - |
| 7 | BG | - |
| 10 | G | - |

JRMWJ4890GB

IGNITION POWER SUPPLY (VR ENGINE)

| | |
|---|---|
| 11 | V |
| 12 | Y |
| 14 | B |
| 17 | SHIELD |
| 18 | G |
| 19 | B |

| Connector No. | D18 |
|---|---|
| Connector Name | WIRE TO WIRE |
| Connector Type | NH60FW-TS12 |

H.S.



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | GR | - |
| 2 | P | - |
| 4 | SB | - |
| 5 | BR | - |
| 6 | Y | - |
| 7 | LG | - |
| 8 | W | - |
| 9 | L | - |
| 10 | L | - |
| 11 | GR | - |
| 13 | Y | - |
| 14 | R | - |
| 16 | R | - |
| 17 | B | - |
| 18 | W | - |
| 19 | B | - |
| 20 | G | - |
| 21 | SHIELD | - |
| 22 | GR | - |
| 23 | BG | - |
| 24 | B | - |
| 25 | BR | - |
| 26 | V | - |
| 27 | G | - |
| 28 | V | - |
| 29 | Y | - |
| 30 | R | - |
| 49 | LG | - |

| | |
|---|---|
| 52 | P |
| 55 | L |
| 56 | Y |
| 57 | R |
| 58 | SB |
| 59 | R |
| 60 | G |
| 63 | B |
| 64 | Y |
| 65 | BR |
| 66 | GR |
| 69 | W |
| 70 | L |
| 71 | BG |
| 72 | Y |

| Connector No. | D56 |
|---|---|
| Connector Name | DOOR MIRROR (DRIVER SIDE) |
| Connector Type | TH24MW-NH |

H.S.



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

| 24 | G | - |
|---|---|---|

| Connector No. | D57 |
|---|---|
| Connector Name | DOOR MIRROR (PASSENGER SIDE) |
| Connector Type | TH24MW-NH |

H.S.



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | L | - |
| 2 | R | - |
| 3 | W | - |
| 5 | B | - |
| 6 | R | - |
| 7 | BG | - |
| 8 | LG | - |
| 9 | SB | - |
| 10 | G | - |
| 11 | V | - |
| 12 | Y | - |
| 13 | Y | - |
| 14 | B | - |
| 17 | SHIELD | - |
| 18 | G | - |
| 19 | B | - |
| 21 | P | - |
| 22 | BR | - |
| 23 | W | - |
| 24 | GR | - |

| Connector No. | E10 |
|---|---|
| Connector Name | WIRE TO WIRE |
| Connector Type | SAA36MB-RS8-SHZ8 |

H.S.



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

JRMWJ4891GB

IGNITION POWER SUPPLY (VR ENGINE)

| | |
|---|---|
| 38 | BR |
| 39 | GR |
| 40 | SHIELD |
| 41 | B |
| 42 | R |
| 43 | Y |
| 44 | SHIELD |
| 45 | Y |
| 46 | P |
| 47 | L |
| 48 | LG |
| 49 | BG |
| 50 | SHIELD |
| 51 | W |
| 52 | G |

| | |
|---|---|
| Connector No. | E19 |
| Connector Name | FRONT WIPER MOTOR |
| Connector Type | HS05FGY |

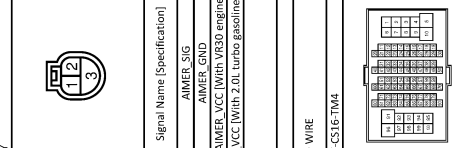
| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | V | - |
| 4 | L | - |
| 5 | Y | - |

| | |
|---|---|
| Connector No. | E21 |
| Connector Name | HEADLAMP AIMING MOTOR LH |
| Connector Type | HS03FGY |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | W | AIMER_SIG |
| 2 | B | AIMER_GND |
| 3 | G | AIMER_VCC [With VR30 engine] |
| 3 | GR | AIMER_VCC [With 2.0L turbo gasoline engine] |

| | |
|---|---|
| Connector No. | E25 |
| Connector Name | WIRE TO WIRE |
| Connector Type | TH80FW-CS16-TM4 |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | BG | - |
| 6 | V | - |
| 7 | L | - |
| 8 | BG | - |
| 8 | BR | - [With 2.0L turbo gasoline engine] |
| 9 | B | - [With 2.0L turbo gasoline engine] |
| 9 | GR | - [With VR30 engine] [Color of wire differs depending on production] |
| 9 | LG | - [With VR30 engine] [Color of wire differs depending on production] |
| 10 | BR | - |
| 11 | L | - |
| 12 | GR | - [With VR30 engine] |
| 12 | P | - [With 2.0L turbo gasoline engine] |
| 13 | SHIELD | - [With 2.0L turbo gasoline engine] |
| 13 | W | - [With VR30 engine] |
| 14 | B | - |
| 15 | GR | - [With 2.0L turbo gasoline engine] |
| 15 | SB | - [With VR30 engine] |
| 16 | BR | - [With 2.0L turbo gasoline engine] |
| 16 | Y | - [With VR30 engine] |
| 17 | BR | - [With VR30 engine] |
| 17 | GR | - [With 2.0L turbo gasoline engine] |
| 18 | G | - [With 2.0L turbo gasoline engine] |
| 18 | P | - [With VR30 engine] |
| 19 | Y | - |
| 31 | W | - [With 2.0L turbo gasoline engine] |
| 31 | Y | - [With VR30 engine] |
| 32 | G | - [With 2.0L turbo gasoline engine] |
| 32 | GR | - [With VR30 engine] |
| 33 | L | - [With VR30 engine] |
| 33 | Y | - [With 2.0L turbo gasoline engine] |
| 34 | P | - |
| 35 | GR | - |
| 36 | R | - |
| 37 | L | - [With 2.0L turbo gasoline engine] |
| 37 | V | - [With VR30 engine] |
| 38 | L | - [With VR30 engine] |
| 38 | P | - [With 2.0L turbo gasoline engine and without gateway] |
| 38 | R | - [With 2.0L turbo gasoline engine and with gateway] |
| 39 | BR | - [With 2.0L turbo gasoline engine] |
| 39 | Y | - [With VR30 engine] |
| 40 | SB | - |
| 41 | LG | - |
| 44 | Y | - |
| 45 | L | - [With 2.0L turbo gasoline engine] |
| 45 | W | - [With VR30 engine] |
| 46 | B | - [With VR30 engine] |
| 46 | Y | - [With 2.0L turbo gasoline engine] |
| 47 | G | - |
| 48 | SHIELD | - |
| 49 | R | - |
| 50 | BR | - [With VR30 engine] |
| 50 | GR | - [With 2.0L turbo gasoline engine] |
| 51 | L | - |
| 52 | W | - |
| 53 | V | - |
| 54 | P | - [With VR30 engine] |
| 54 | W | - [With 2.0L turbo gasoline engine] |
| 55 | B | - [With 2.0L turbo gasoline engine] |
| 55 | W | - [With VR30 engine] |
| 56 | BG | - [With 2.0L turbo gasoline engine] |
| 56 | SB | - [With VR30 engine] |
| 57 | BG | - [With VR30 engine] |
| 57 | W | - [With 2.0L turbo gasoline engine] |
| 58 | B | - [Color of wire differs depending on production] |
| 58 | B/W | - [Color of wire differs depending on production] |
| 59 | W | - |
| 61 | R | - |
| 64 | Y | - |
| 65 | BR | - [Color of wire differs depending on production] |
| 65 | GR | - [Color of wire differs depending on production] |
| 66 | GR | - |
| 67 | LG | - |
| 68 | BG | - |
| 69 | L | - |
| 70 | R | - |
| 71 | G | - [With 2.0L turbo gasoline engine] |
| 71 | LG | - [With VR30 engine] |
| 72 | L | - [With 2.0L turbo gasoline engine] |
| 72 | V | - [With VR30 engine] |
| 73 | G | - [With VR30 engine] |
| 73 | W | - [With 2.0L turbo gasoline engine] |
| 74 | BR | - [With VR30 engine] |
| 74 | L | - [With 2.0L turbo gasoline engine] |
| 75 | P | - [With 2.0L turbo gasoline engine and without gateway] |
| 75 | R | - [With 2.0L turbo gasoline engine and with gateway] |
| 75 | V | - [With VR30 engine] |
| 76 | G | - |
| 77 | Y | - |
| 78 | LG | - [With 2.0L turbo gasoline engine and with ADAS] |
| 78 | P | - [With VR30 engine] |
| 78 | V | - [With 2.0L turbo gasoline engine and without ADAS] |
| 79 | SB | - |
| 80 | G | - |
| 81 | R | - |
| 82 | V | - |
| 83 | BR | - [With 2.0L turbo gasoline engine] |
| 83 | R | - [With VR30 engine] |
| 84 | LG | - |
| 86 | BG | - |
| 87 | G | - |
| 89 | LG | - |
| 90 | G | - [With VR30 engine] |
| 90 | GR | - [With 2.0L turbo gasoline engine] |
| 91 | G | - |
| 93 | BG | - |
| 94 | GR | - [With VR30 engine] |
| 94 | L | - [With 2.0L turbo gasoline engine] |
| 95 | BG | - [With VR30 engine] |
| 95 | P | - [With 2.0L turbo gasoline engine and without gateway] |
| 95 | R | - [With 2.0L turbo gasoline engine and with gateway] |
| 96 | W | - |
| 97 | LG | - |
| 98 | L | - |
| 99 | LG | - [With 2.0L turbo gasoline engine] |
| 99 | P | - [With VR30 engine] |
| 100 | SHIELD | - |

JRMWJ4892GB

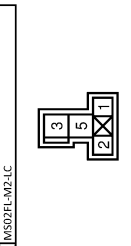
IGNITION POWER SUPPLY (VR ENGINE)

| Connector No. | E34 |
|---|---|
| Connector Name | SHIFT LOCK RELAY |
| Connector Type | MS02FL-M2-LC |



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

| Connector No. | E35 |
|---|---|
| Connector Name | ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT) |
| Connector Type | SAZ30FB-SJZ4-U |

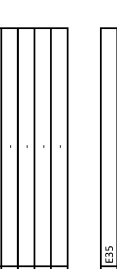


| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | B | GND |
| 2 | B | GND |
| 3 | G | VALVE BATTERY [With VR30 engine] |
| 3 | P | VALVE BATTERY [With 2.0L turbo gasoline engine] |
| 4 | Y | MOTOR BATTERY |
| 5 | LG | STOP LAMP SW SIGNAL [With ADAS] |
| 5 | V | STOP LAMP SW SIGNAL [With ASCD] |
| 7 | GR | RR LH WHEEL SENSOR SIGNAL |
| 8 | G | RR LH WHEEL SENSOR POWER SUPPLY |
| 9 | BR | FR RH WHEEL SENSOR SIGNAL |
| 10 | GR | FR RH WHEEL SENSOR POWER SUPPLY |
| 13 | R | VACUUM SENSOR SIGNAL |
| 15 | P | CAN-L [Without Gateway] |
| 15 | R | CAN-L [With gateway] |
| 17 | Y | RR RH WHEEL SENSOR SIGNAL |
| 18 | LG | RR RH WHEEL SENSOR POWER SUPPLY [With 2.0L turbo gasoline engine] |
| 18 | V | RR RH WHEEL SENSOR POWER SUPPLY [With VR30 engine] |
| 19 | SB | FR LH WHEEL SENSOR SIGNAL |
| 20 | BG | FR LH WHEEL SENSOR POWER SUPPLY |
| 25 | L | CAN-H |
| 28 | G | VACUUM SENSOR POWER SUPPLY |
| 30 | R | VDC OFF SW SIGNAL |
| 32 | SHIELD | VACUUM SENSOR GROUND |
| 34 | G | IGN |

| Connector No. | E44 |
|---|---|
| Connector Name | BRAKE PEDAL POSITION SWITCH |
| Connector Type | S02FL |

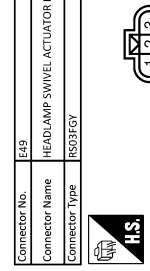
| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | G | - [Color of wire differs depending on production] |
| 1 | V | - [Color of wire differs depending on production] |
| 2 | BG | - [With VR30 engine] |
| 2 | BR | - [With 2.0L turbo gasoline engine] |

| Connector No. | E46 |
|---|---|
| Connector Name | FUSE AND FUSIBLE LINK BLOCK |
| Connector Type | 24384_4GA0A |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 65 | GR | - |
| 66 | SB | - |
| 67 | BG | - |
| 68 | LG | - [With VR30 engine] |
| 68 | Y | - [With 2.0L turbo gasoline engine] |
| 69 | V | - [With VR30 engine] |
| 69 | W | - [With 2.0L turbo gasoline engine] |
| 70 | GR | - [With VR30 engine] |
| 70 | LG | - [With 2.0L turbo gasoline engine] |
| 71 | BG | - [With VR30 engine] |
| 71 | GR | - [With 2.0L turbo gasoline engine] |
| 72 | G | - |
| 73 | P | - |
| G | L | - [With VR30 engine] |
| G | R | - [With 2.0L turbo gasoline engine] |
| H | G | - [With 2.0L turbo gasoline engine] |
| H | R | - [With VR30 engine] |
| J | BR | - [With EPS] [With 2.0L turbo gasoline engine] |
| J | R | - [Without EPS] |
| J | W | - [With EPS] [With VR30 engine] |
| K | L | - |
| L | G | - [With VR30 engine] |
| L | P | - [With 2.0L turbo gasoline engine] |
| M | W | - |
| N | Y | - |
| O | L | - |
| Q | BG | - [With 2.0L turbo gasoline engine] |
| Q | G | - [With VR30 engine] |
| R | GR | - |
| S | BG | - [With 2.0L turbo gasoline engine] |
| S | BR | - [With VR30 engine] |

| Connector No. | E49 |
|---|---|
| Connector Name | HEADLAMP SWIVEL ACTUATOR LH |
| Connector Type | RS03FGY |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | G | - |
| 1 | V | - [With VR30 engine] |
| 2 | BG | - [With 2.0L turbo gasoline engine] |
| 2 | BR | [With VR30 engine] [Color of wire differs depending on production] |
| 2 | LG | - [With 2.0L turbo gasoline engine] |
| 3 | P | - [With VR30 engine] [Color of wire differs depending on production] |
| 3 | SB | - [With 2.0L turbo gasoline engine] |
| 3 | W | [With VR30 engine] [Color of wire differs depending on production] |

| Connector No. | E50 |
|---|---|
| Connector Name | WIRE TO WIRE |
| Connector Type | M06MW-LC |

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

| Connector No. | E52 |
|---|---|
| Connector Name | ICC BRAKE HOLD RELAY |
| Connector Type | MS02FL-M2-LC |

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | Y | - |
| 2 | G | - |
| 3 | V | - |
| 5 | BR | - [With 2.0L turbo gasoline engine] |
| 5 | L | - [With VR30 engine] |

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IGNITION POWER SUPPLY (VR ENGINE)

| Connector No. | E58 |
|---|---|
| Connector Name | ESS RELAY |
| Connector Type | MS03FB-M2-LC |

H.S.


| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | P | - [With VR30 engine] |
| 1 | R | - [With 2.0L turbo gasoline engine] |
| 2 | G | - |
| 3 | W | - |
| 4 | LG | - |

| Connector No. | E59 |
|---|---|
| Connector Name | WASHER PUMP |
| Connector Type | FEA02FB-LC |

H.S.




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

| Connector No. | E63 |
|---|---|
| Connector Name | FUSE BLOCK (J/B) |
| Connector Type | L02FB-MC |

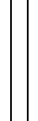
H.S.




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

| Connector No. | E64 |
|---|---|
| Connector Name | FUSE BLOCK (J/B) |
| Connector Type | NS08FW-CS |

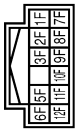
H.S.




| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1E | G | - |
| 2E | P | - |
| 3E | V | - |
| 4E | GR | - |
| 6E | L | - |
| 7E | BG | - |

| Connector No. | E65 |
|---|---|
| Connector Name | FUSE BLOCK (J/B) |
| Connector Type | TH12FW-NH |

H.S.




| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 10F | W | - |
| 11F | G | - [Color of wire differs depending on production] |
| 11F | R | - [Color of wire differs depending on production] |
| 12F | W | - [With VR30 engine] |
| 12F | Y | - [With 2.0L turbo gasoline engine] |
| 1F | R | - |
| 2F | BR | - |
| 3F | P | - |
| 5F | P | - |
| 6F | L | - |
| 7F | R | - |
| 8F | L | - |
| 9F | L | - |

| Connector No. | E71 |
|---|---|
| Connector Name | HEADLAMP AIMING MOTOR RH |
| Connector Type | H503FGY |

H.S.


| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | W | AIMER_SIG |
| 2 | B | AIMER_GND |
| 3 | G | AIMER_VCC [With VR30 engine] |
| 3 | V | AIMER_VCC [With 2.0L turbo gasoline engine] |

| Connector No. | E72 |
|---|---|
| Connector Name | HEADLAMP SWIVEL ACTUATOR RH |
| Connector Type | RS03FGY |

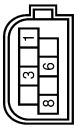
H.S.




| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | G | - [With VR30 engine] |
| 1 | W | - [With 2.0L turbo gasoline engine] |
| 2 | BG | - |
| 3 | W | - |

| Connector No. | E80 |
|---|---|
| Connector Name | ICC SENSOR |
| Connector Type | AAZ08FB |

H.S.




| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | R | IGNITION |
| 3 | L | ITS COMM-H |
| 6 | Y | ITS COMM-L |
| 8 | B | GROUND |

JRMWJ4894GB

IGNITION POWER SUPPLY (VR ENGINE)

| Connector No. | E83 |
|---|---|
| Connector Name | EXHAUST GAS / OUTSIDE ODOR DETECTING SENSOR |
| Connector Type | RH03FB |

H.S.


| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | V | AQS_POWER |
| 2 | P | AQS_S_GND |
| 3 | G | AQS_S_OUTPUT |

| Connector No. | E103 |
|---|---|
| Connector Name | COOLING FAN RELAY 1 |
| Connector Type | 24384_4GA0A |

H.S.


| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | G | - |
| 2 | SB | - |
| 3 | BR | - |
| 5 | R | - |

| Connector No. | E118 |
|---|---|
| Connector Name | IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) |
| Connector Type | L02FB-MC |

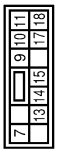
H.S.




| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | L | - [With 2.0L turbo gasoline engine] |
| 1 | W | - [With VR30 engine] |
| 2 | L | - [With VR30 engine] |
| 2 | R | - [With 2.0L turbo gasoline engine] |

| Connector No. | E120 |
|---|---|
| Connector Name | IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) |
| Connector Type | NS12FW-CS |

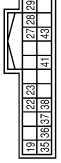
H.S.




| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 7 | B/W | - |
| 9 | P | - |
| 10 | LG | - |
| 11 | V | - |
| 13 | BG | - |
| 14 | SB | - |
| 15 | BR | - |
| 17 | GR | - |
| 18 | L | - |

| Connector No. | E121 |
|---|---|
| Connector Name | IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) |
| Connector Type | TH32FW-NH |

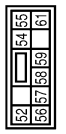
H.S.




| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 19 | L | - [With 2.0L turbo gasoline engine] |
| 19 | P | - [With VR30 engine] |
| 22 | BG | - |
| 23 | GR | - [With VR30 engine] |
| 23 | LG | - [With 2.0L turbo gasoline engine and without Anti-theft diode] |
| 23 | P | - [With 2.0L turbo gasoline engine and with Anti-theft diode] |
| 27 | GR | - |
| 28 | P | - |
| 29 | L | - |
| 31 | G | - |
| 32 | SB | - |
| 33 | SB | - |
| 34 | Y | - |
| 35 | G | - |
| 36 | SB | - [With VR30 engine] |
| 36 | W | - [With 2.0L turbo gasoline engine] |
| 37 | GR | - |
| 38 | BR | - |
| 41 | GR | - |
| 43 | V | - |

| Connector No. | E123 |
|---|---|
| Connector Name | IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) |
| Connector Type | NS10FW-CS |

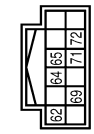
H.S.




| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 52 | Y | - |
| 54 | SB | - |
| 55 | W | - |
| 56 | L | - |
| 57 | LG | - |
| 58 | P | - |
| 59 | R | - |
| 61 | GR | - |

| Connector No. | E124 |
|---|---|
| Connector Name | IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) |
| Connector Type | TH12FW-NH |

H.S.




| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 62 | G | - |
| 64 | SB | - |
| 65 | V | - |
| 69 | G | - |
| 71 | W | - |
| 72 | Y | - |

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IGNITION POWER SUPPLY (VR ENGINE)

| Connector No. | E125 |
|---|---|
| Connector Name | IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) |
| Connector Type | NS08FW-CS |

H.S.

74 75 76
78 79 80 81

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 74 | G | - |
| 75 | R | - |
| 76 | SB | - [Color of wire differs depending on production] |
| 76 | V | - [Color of wire differs depending on production] |
| 78 | W | - |
| 79 | L | - |
| 80 | BR | - |
| 81 | P | - |

| Connector No. | E154 |
|---|---|
| Connector Name | ELECTRIC INTAKE VALVE TIMING CONTROL MODULE |
| Connector Type | SJ202FB-SNZ2 |

H.S.

40 39
41

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 39 | R | POWER SUPPLY |
| 40 | L | POWER SUPPLY |
| 41 | B | GROUND |

| Connector No. | E173 |
|---|---|
| Connector Name | JOINT CONNECTOR-E02 |
| Connector Type | SGA28FDGY-J |

H.S.

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | G | - [Color of wire differs depending on production] |
| 1 | R | - [Color of wire differs depending on production] |
| 3 | B | - |
| 4 | B | - |
| 5 | G | - |
| 6 | BR | - |
| 7 | B | - |
| 8 | B | - |
| 9 | G | - |
| 10 | L | - |
| 12 | B | - |
| 13 | G | - |
| 14 | BR | - |
| 17 | G | - |
| 21 | G | - |
| 25 | R | - |
| 26 | L | - |

| Connector No. | E182 |
|---|---|
| Connector Name | BATTERY TERMINAL WITH FUSIBLE LINK |
| Connector Type | L02FBR-MC |

H.S.

3 4

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 3 | R | - |
| 4 | L | - [With VR30 engine] |
| 4 | R | - [With 2.0L turbo gasoline engine] |

| Connector No. | E183 |
|---|---|
| Connector Name | BATTERY TERMINAL WITH FUSIBLE LINK |
| Connector Type | L02FGY-MC |

H.S.

1 2

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

| Connector No. | E184 |
|---|---|
| Connector Name | BATTERY TERMINAL WITH FUSIBLE LINK |
| Connector Type | L01FB-MC |

H.S.

7

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 7 | BR | - [With 2.0L turbo gasoline engine] |
| 7 | W | - [With VR30 engine] |

| Connector No. | E219 |
|---|---|
| Connector Name | CHASSIS CONTROL MODULE |
| Connector Type | TH28FW |

H.S.

1 3 4 5 6 8 9 10 12 13 14
15 17 19 21 22 23 24 25 26 28

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | LG | ACTUATOR (FL)-L |
| 3 | BR | ACTUATOR (RR)-H |
| 4 | BG | IGN |
| 5 | W | CHASSIS COMM-L |
| 6 | B | GROUND |
| 8 | BR | CHASSIS COMM-H [Color of wire differs depending on production] |
| 8 | L | CHASSIS COMM-H [Color of wire differs depending on production] |
| 9 | G | DRIVE MODE SELECT SW (DOWN) [Color of wire differs depending on production] |
| 9 | Y | DRIVE MODE SELECT SW (DOWN) [Color of wire differs depending on production] |
| 10 | L | CAN-H |
| 12 | G | ACTUATOR (FR)-H |
| 13 | G | ESS RELAY |
| 14 | L | ACTUATOR (RL)-L |
| 15 | Y | ACTUATOR (RR)-L |
| 17 | V | ACTUATOR (FL)-H |
| 19 | L | CHASSIS COMM-H |
| 21 | W | CHASSIS COMM-L |
| 22 | V | DRIVE MODE SELECT SWITCH (UP) |
| 23 | B | GROUND |
| 24 | P | CAN-L [Without Gateway] |
| 24 | R | CAN-L [With Gateway] |
| 25 | G | IGN |
| 26 | V | ACTUATOR (RL)-H |
| 28 | R | ACTUATOR (FR)-L |

JRMWJ4896GB

IGNITION POWER SUPPLY (VR ENGINE)

| Connector No. | F1 |
|---|---|
| Connector Name | COMPRESSOR |
| Connector Type | RH02FB |

H.S.



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

| Connector No. | F2 |
|---|---|
| Connector Name | A/T ASSEMBLY |
| Connector Type | RK10FG-DGY |

H.S.



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | GR | (IGNITION POWER SUPPLY [With 2.0L turbo gasoline engine]) |
| 1 | L | IGNITION POWER SUPPLY [With VR30 engine] |
| 2 | P | BATTERY POWER SUPPLY [MEMORY BACK-UP] |
| 3 | L | CAN-H |
| 4 | R | K-LINE |
| 5 | B | GROUND [With 2.0L turbo gasoline engine] |
| 5 | BR | GROUND [With VR30 engine] |
| 6 | GR | IGNITION POWER SUPPLY |
| 7 | BG | BACK-UP LAMP RELAY |
| 8 | P | CAN-L |
| 9 | V | STARTER RELAY |
| 10 | B | GROUND |

| Connector No. | F12 |
|---|---|
| Connector Name | WIRE TO WIRE |
| Connector Type | SAA36FB-RS8-SHZ8 |

H.S.



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | R | - |
| 2 | GR | - |
| 3 | BG | - |
| 4 | R | - |
| 5 | G | - |
| 7 | L | - |
| 8 | W | - |
| 9 | W | - |
| 10 | BG | - |
| 11 | R | - |
| 12 | LG | - |
| 13 | L | - |
| 14 | Y | - |
| 15 | LG | - |
| 16 | Y | - |
| 17 | L | - |
| 18 | P | - |
| 19 | GR | - |
| 20 | BG | - |
| 21 | GR | - |
| 22 | W | - |
| 23 | G | - |
| 24 | SB | - |
| 25 | V | - |
| 26 | W | - |
| 27 | V | - |
| 28 | W | - |
| 29 | Y | - |
| 30 | R | - |
| 31 | P | - |
| 32 | R | - |
| 33 | P | - |
| 34 | BG | - |
| 35 | LG | - |
| 36 | SB | - |
| 37 | V | - |
| 38 | BR | - |
| 39 | GR | - |
| 40 | SHIELD | - |
| 41 | B | - |
| 42 | R | - |
| 43 | Y | - |
| 45 | Y | - |
| 46 | P | - |
| 47 | L | - |
| 48 | LG | - |
| 49 | BG | - |
| 50 | SHIELD | - |
| 51 | W | - |
| 52 | G | - |

| Connector No. | F64 |
|---|---|
| Connector Name | COMPRESSOR |
| Connector Type | RK02FGY |

H.S.



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

| Connector No. | F85 |
|---|---|
| Connector Name | COMPRESSOR |
| Connector Type | M02FW-GY-LC |

H.S.



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

| Connector No. | F100 |
|---|---|
| Connector Name | TCM |
| Connector Type | SP10FG |

H.S.



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | - | IGNITION POWER SUPPLY |
| 2 | - | BATTERY POWER SUPPLY [MEMORY BACK-UP] |
| 3 | - | CAN-H |
| 4 | - | K-LINE |
| 5 | - | GROUND |
| 6 | - | IGNITION POWER SUPPLY |
| 7 | - | BACK-UP LAMP RELAY |
| 8 | - | CAN-L |
| 9 | - | STARTER RELAY |
| 10 | - | GROUND |

| Connector No. | F111 |
|---|---|
| Connector Name | (IGNITION COIL No. 1 [WITH POWER TRANSISTOR]) |
| Connector Type | E03FGY-RS |

H.S.



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

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IGNITION POWER SUPPLY (VR ENGINE)

| Connector No. | F113 |
|---|---|
| Connector Name | IGNITION COIL No. 3 (WITH POWER TRANSISTOR) |
| Connector Type | E03FGY-RS |

H.S.

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

| Connector No. | F114 |
|---|---|
| Connector Name | IGNITION COIL No. 4 (WITH POWER TRANSISTOR) |
| Connector Type | E03FGY-RS |

H.S.



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

| Connector No. | F115 |
|---|---|
| Connector Name | IGNITION COIL No. 5 (WITH POWER TRANSISTOR) |
| Connector Type | E03FGY-RS |

H.S.

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

| Connector No. | F116 |
|---|---|
| Connector Name | IGNITION COIL No. 6 (WITH POWER TRANSISTOR) |
| Connector Type | E03FGY-RS |

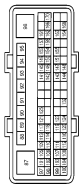
H.S.



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

| Connector No. | F142 |
|---|---|
| Connector Name | ECM |
| Connector Type | RH76FGY-RZB-HY2-RH |

H.S.



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 87 | B | ECM GROUND |
| 88 | B | ECM GROUND |
| 89 | L | (ELECTRIC WASTEGATE CONTROL ACTUATOR MOTOR (-) (BANK 2) and ELECTRIC WASTEGATE CONTROL ACTUATOR MOTOR (+) (BANK 2) are connected.) |
| 89 | LG | (ELECTRIC WASTEGATE CONTROL ACTUATOR MOTOR (-) (BANK 1) and ELECTRIC WASTEGATE CONTROL ACTUATOR MOTOR (+) (BANK 1) are connected.) |
| 90 | G | ELECTRIC WASTEGATE CONTROL ACTUATOR MOTOR (-) (BANK 2) |
| 91 | BG | ELECTRIC WASTEGATE CONTROL ACTUATOR POWER SUPPLY |
| 92 | L | ELECTRIC WASTEGATE CONTROL ACTUATOR MOTOR (+) (BANK 2) |
| 93 | R | ELECTRIC WASTEGATE CONTROL ACTUATOR MOTOR (-) (BANK 1) |
| 94 | W | A/F SENSOR 1 HEATER (BANK 1) |
| 95 | GR | ECM GROUND |
| 96 | R | THROTTLE CONTROL MOTOR POWER SUPPLY |
| 97 | GR | SENSOR GROUND |
| 98 | Y | HEATED OXYGEN SENSOR 2 (BANK 2) |
| 99 | R | SENSOR GROUND |
| 100 | P | SENSOR GROUND |
| 101 | L | A/F SENSOR 1 (BANK 1) |
| 102 | P | A/F SENSOR 1 (BANK 1) |
| 103 | B | A/F SENSOR SHIELD |
| 104 | SB | SENSOR GROUND [THROTTLE POSITION SENSOR1 (BANK 2)] |
| 105 | BR | SENSOR POWER SUPPLY [THROTTLE POSITION SENSOR1 (BANK 2)] |
| 106 | P | THROTTLE POSITION SENSOR1 (BANK 2) |
| 107 | LG | A/F SENSOR 1 (BANK 2) |
| 108 | R | SENSOR POWER SUPPLY |
| 109 | G | SENSOR POWER SUPPLY |
| 110 | W | HEATED OXYGEN SENSOR 2 (BANK 1) |
| 111 | V | A/F SENSOR 1 (BANK 2) |
| 112 | LG | THROTTLE POSITION SENSOR 2 (BANK 2) |
| 113 | Y | MANIFOLD ABSOLUTE PRESSURE SENSOR |
| 114 | G | SENSOR GROUND |
| 116 | L | SENSOR GROUND |
| 117 | LG | CHARGE AIR COOLER COOLING ELECTRIC WATER PUMP 1 |
| 118 | BG | CHARGE AIR COOLER COOLING ELECTRIC WATER PUMP 2 |
| 119 | Y | TURBOCHARGER SPEED SENSOR (BANK1) |
| 120 | W | TURBOCHARGER SPEED SENSOR (BANK2) |
| 121 | V | PNP SIGNAL |
| 123 | BG | THROTTLE MOTOR RELAY |
| 124 | R | FUEL PUMP RELAY |
| 125 | P | ECM RELAY (SELF SHUT-OFF) |
| 132 | B | SENSOR GROUND |
| 141 | R | MULTI-WAY CONTROL VALVE MOTOR (+) |
| 142 | L | ENGINE OIL PRESSURE CONTROL SOLENOID VALVE |
| 143 | G | CHARGE AIR COOLER COOLING ELECTRIC WATER PUMP 1 |
| 144 | BG | CHARGE AIR COOLER COOLING ELECTRIC WATER PUMP 2 |
| 145 | BG | MULTI-WAY CONTROL VALVE POWER SUPPLY |
| 146 | G | MULTI-WAY CONTROL VALVE MOTOR (-) |
| 147 | W | THROTTLE CONTROL MOTOR (+) (BANK 2) |
| 148 | GR | THROTTLE CONTROL MOTOR (-) (BANK 2) |
| 149 | G | THROTTLE CONTROL MOTOR (+) (BANK 1) |
| 150 | GR | THROTTLE CONTROL MOTOR (-) (BANK 1) |
| 151 | BR | A/F SENSOR 1 HEATER (BANK 2) |
| 153 | L | IGNITION SIGNAL No. 3 |
| 154 | SB | IGNITION SIGNAL No. 6 |
| 155 | GR | EVAP CANISTER PURGE VOLUME CONTROL SOLENOID VALVE |
| 157 | W | EXHAUST VALVE TIMING CONTROL SOLENOID VALVE (BANK 1) |
| 158 | G | EXHAUST VALVE TIMING CONTROL SOLENOID VALVE (BANK 2) |
| 161 | Y | IGNITION SIGNAL No. 1 |
| 162 | GR | IGNITION SIGNAL No. 4 |
| 163 | SB | HEATED OXYGEN SENSOR HEATER 2 (BANK 2) |
| 164 | G | IGNITION SIGNAL No. 2 |
| 166 | L | HEATED OXYGEN SENSOR HEATER 2 (BANK 1) |
| 168 | V | IGNITION SIGNAL No. 5 |
| 170 | P | POWER SUPPLY FOR ECM |

| Connector No. | M1 |
|---|---|
| Connector Name | INTEGRAL SWITCH |
| Connector Type | TH24FW-NH |

H.S.

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 2 | R | ILLUMINATION SIGNAL |
| 3 | LG | AV COMM (L) |
| 4 | SB | AV COMM (H) |
| 7 | W/B | DISK EJECT SIGNAL |
| 8 | G | HAZERD SIGNAL |
| 13 | B | GND |
| 14 | SB | ACC [For 2.0L turbo gasoline engine] |
| 14 | V | ACC [For VR30 engine] |

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IGNITION POWER SUPPLY (VR ENGINE)

| | | |
|---|---|---|
| 15 | B | ILLUMINATION CONTROL SIGNAL |
| 16 | BG | DISK EJECT SIGNAL GROUND |
| 18 | R | IGN [For VR30 engine] |
| 18 | W | IGN [For 2.0L turbo gasoline engine] |
| 19 | BR | CAMERA SWITCH SIGNAL |
| 20 | LG | AIR BAG INDICATOR OFF SIGNAL |

| | |
|---|---|
| Connector No. | M4 |
| Connector Name | AFS CONTROL UNIT |
| Connector Type | TH24FW-NH |

H.S.

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 6 | 8 | | | 11 | 12 | | |
| 13 | | | | | 19 | | 21 | 22 | 23 | 24 | |

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | L | CAN-H |
| 6 | BR | HEIGHT SENSOR SIGNAL |
| 8 | GR | SWIVEL ACTUATOR LIN SIGNAL |
| 11 | B | GROUND |
| 12 | R | IGNITION POWER SUPPLY [With VR30 engine] |
| 12 | W | IGNITION POWER SUPPLY [With 2.0L turbo gasoline engine] |
| 13 | P | CAN-L |
| 19 | P | SWIVEL ACTUATOR GROUND |
| 21 | LG | HEIGHT SENSOR POWER SUPPLY |
| 22 | SB | AIMING MOTOR DRIVE SIGNAL |
| 23 | GR | HEIGHT SENSOR GROUND |
| 24 | B | AIMING MOTOR GROUND |

| | |
|---|---|
| Connector No. | M5 |
| Connector Name | AIR BAG DIAGNOSIS SENSOR UNIT |
| Connector Type | NH28FY-EX |

H.S.

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 8 | 9 | 17 | 6 | | 2 | 5 | 4 | 3 | | |
| 19 | 52 | 21 | 54 | 23 | | | | | 24 | 22 | | | |
| 18 | 51 | 20 | 53 | 60 | 59 | 25 | 57 | | | | 1 | | |

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | LG | IGN |
| 2 | B | GND |
| 3 | Y/R | DR1 (+) |
| 4 | Y/B | DR1 (-) |
| 5 | Y | DR2 (+) |
| 6 | Y/R | AS1 (+) |
| 7 | Y/B | AS1 (-) |
| 8 | Y/G | AS2 (+) |
| 9 | Y | AS2 (-) |
| 18 | Y | ECZS+ |
| 19 | BR | ECZS- |
| 20 | Y/R | ACT_VENT+ |
| 21 | Y/B | ACT_VENT- |
| 22 | SHIELD | GND |
| 23 | V | AIRBAG W/L |
| 24 | G | - |
| 25 | GR | A/B_OFF_IND |
| 51 | G | SATELLITE RH2 (+) |
| 52 | R | SIDE_SENS_RH2- |
| 53 | V | SIDE_SENS_LH2+ |
| 54 | L | SIDE_SENS_LH2- |
| 57 | LG | IVCS |
| 59 | L | CAN-H |
| 60 | P | CAN-L |

| | |
|---|---|
| Connector No. | M14 |
| Connector Name | BCM (BODY CONTROL MODULE) |
| Connector Type | TH40FB-NH |

H.S.

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | 48 | | | | | | | | | | | |
| 69 | 68 | 67 | 66 | 65 | 64 | 63 | 62 | 61 | 60 | 59 | 58 | 57 | 56 | 55 | 54 | 53 | 52 | 51 | 50 |
| 49 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | | | | | | | | |

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 48 | R | PUSH-BTN IGN SW ILL PWR |
| 52 | G | DONGLE LINK |
| 54 | V | COMM LINE |
| 55 | R | RAIN SENSOR |
| 59 | P | CAN-L |
| 60 | L | CAN-H |
| 61 | G | REAR WINDOW DEF RLY CONT |
| 62 | R | STARTER RLY CONT |
| 64 | V | I-KEY WARN BUZZER |
| 65 | B | OUTS HD LAMP CONT |
| 66 | B | BLOWER FAN RLY CONT [With VR30 engine] |
| 66 | Y | BLOWER FAN RLY CONT [With 2.0L turbo gasoline engine] |
| 67 | W/B | IGN RLYAY (F/B) CONT |
| 68 | R | DIMMER |
| 69 | GR | A/T SHIFT SELECT PWR SPLY |
| 70 | B | IGN RLYAY (IPDM E/R) CONT |
| 71 | G | DR DOOR REQ SW |
| 72 | SB | PASS DOOR REQ SW |
| 75 | BR | COMBI SW INPUT 5 |
| 76 | BG | COMBI SW INPUT 4 |
| 77 | V | COMBI SW INPUT 3 |
| 78 | Y | COMBI SW INPUT 2 |
| 79 | LG | COMBI SW INPUT 1 |
| 80 | L | TR LID OPNR SW |

| | |
|---|---|
| Connector No. | M17 |
| Connector Name | BCM (BODY CONTROL MODULE) |
| Connector Type | FEA09FW-FHA6-SA |

H.S.

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 131 | 132 | 133 | 134 | 135 | 136 | 137 | 138 | 139 | 140 | 141 | 142 | 143 | | | | | | | |
| 144 | 145 | 146 | 147 | 148 | 149 | 150 | 151 | 152 | 153 | 154 | 155 | 156 | 157 | 158 | 159 | 160 | 161 | 162 | 163 |

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 129 | LG | INT ROOM LAMP PWR SPLY |
| 130 | P | PASS DOOR UNLK OUTPUT |
| 131 | Y | BAT (FUSE) |
| 132 | V | RR, RL DOOR LK OUTPUT |
| 133 | BR | RR, RL DOOR UNLK OUTPUT |
| 134 | B | GND |
| 135 | V | FRONT DOOR, FL LID LK OUTPUT |
| 136 | V | INT ROOM LAMP CONT |
| 137 | LG | FRONT DOOR, FL LID UNLK OUTPUT |
| 138 | P | REAR DOORS ACT PWR SPLY [With VR30 engine] |
| 138 | R | REAR DOORS ACT PWR SPLY [With 2.0L turbo gasoline engine] |
| 139 | W | BAT (F/L) |
| 140 | BR | IGN ON |
| 141 | R | PWR SPLY (BAT) |
| 142 | R | FRONT DOORS, FL LID ACT PWR SPLY |
| 143 | B | GND |

| | |
|---|---|
| Connector No. | M22 |
| Connector Name | WIRE TO WIRE |
| Connector Type | TH80MW-CS16-TM4 |

H.S.

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | LG | - |
| 2 | L | - [With VR30 engine] |
| 2 | SHIELD | - [With 2.0L turbo gasoline engine] |
| 3 | BR | - [With 2.0L turbo gasoline engine] |

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IGNITION POWER SUPPLY (VR ENGINE)

| | | |
|---|---|---|
| 3 | R | - [With VR30 engine] |
| 4 | SHIELD | - [With VR30 engine] |
| 4 | Y | - [With 2.0L turbo gasoline engine] |
| 5 | G | - [With VR30 engine] |
| 5 | V | - [With 2.0L turbo gasoline engine] |
| 6 | BG | - [With VR30 engine] |
| 6 | BR | - [With 2.0L turbo gasoline engine] |
| 7 | LG | - [With VR30 engine] |
| 7 | P | - [With 2.0L turbo gasoline engine] |
| 8 | G | - [With 2.0L turbo gasoline engine] |
| 8 | P | - [With VR30 engine] |
| 9 | LG | - [With 2.0L turbo gasoline engine] |
| 9 | SHIELD | - [With VR30 engine] |
| 10 | V | - |
| 11 | GR | - |
| 12 | V | - |
| 13 | LG | - |
| 14 | LG | - |
| 15 | BR | - [With 2.0L turbo gasoline engine] |
| 15 | P | - [With VR30 engine] |
| 16 | SB | - [With DCM] |
| 16 | V | - [Without DCM] |
| 17 | Y | - |
| 18 | L | - |
| 19 | G | - |
| 20 | GR | - |
| 21 | R | - |
| 22 | V | - |
| 23 | L | - |
| 24 | BG | - [With 2.0L turbo gasoline engine] |
| 24 | V | - [With VR30 engine] |
| 25 | L | - [With 2.0L turbo gasoline engine] |
| 25 | SB | - [With VR30 engine] |
| 26 | G | - [With VR30 engine] |
| 26 | W | - [With 2.0L turbo gasoline engine] |
| 27 | R | - |
| 29 | LG | - |
| 30 | SB | - [With VR30 engine] |
| 30 | W | - [With 2.0L turbo gasoline engine] |
| 31 | SHIELD | - |
| 32 | L | - |
| 33 | B | - [With VR30 engine] |
| 33 | LG | - [With 2.0L turbo gasoline engine] |
| 34 | SHIELD | - |
| 35 | LG | - [With VR30 engine] |
| 35 | W | - [With 2.0L turbo gasoline engine] |
| 36 | R | - [With VR30 engine] |
| 36 | V | - [With 2.0L turbo gasoline engine] |
| 37 | R | - [With VR30 engine] |
| 37 | V | - [With 2.0L turbo gasoline engine] |
| 38 | W | - |
| 39 | P | - [With VR30 engine and without BOSE system] |
| 39 | R | - [With 2.0L turbo gasoline engine] |
| 39 | V | - [With VR30 engine and with BOSE system] |
| 40 | G | - |
| 41 | L | - |
| 42 | R | - |
| 43 | SHIELD | - |
| 44 | P | - |
| 45 | B | - [With 2.0L turbo gasoline engine] |
| 45 | G | - [With VR30 engine] |
| 46 | SHIELD | - |
| 47 | G | - |
| 48 | BG | - [Except with VR30 engine and with BOSE system] |
| 48 | BR | - [With VR30 engine and with BOSE system] |
| 49 | G | - |
| 50 | V | - |
| 51 | V | - |
| 52 | L | - [With 2.0L turbo gasoline engine] |
| 52 | Y | - [With VR30 engine] |
| 53 | R | - |
| 54 | GR | - |
| 55 | L | - |
| 56 | P | - |
| 57 | R | - |
| 58 | LG | - |
| 59 | SB | - |
| 61 | L | - |
| 62 | P | - [With 2.0L turbo gasoline engine] |
| 62 | V | - [With VR30 engine] |
| 63 | L | - |
| 64 | W | - |
| 66 | R | - |
| 68 | L | - |
| 69 | P | - |
| 71 | GR | - [With 2.0L turbo gasoline engine] |
| 71 | R | - [With VR30 engine] |
| 72 | G | - [With VR30 engine] |
| 72 | V | - [With 2.0L turbo gasoline engine] |
| 73 | LG | - [With 2.0L turbo gasoline engine] |
| 73 | SHIELD | - [With VR30 engine] |
| 74 | L | - [With VR30 engine] |
| 74 | LG | - [With 2.0L turbo gasoline engine] |
| 75 | P | - |
| 76 | SB | - [With 2.0L turbo gasoline engine] |
| 76 | V | - [With VR30 engine] |
| 77 | Y | - |
| 78 | L | - |
| 79 | G | - |
| 80 | GR | - [With 2.0L turbo gasoline engine] |
| 80 | W | - [With VR30 engine] |
| 81 | B | - [With VR30 engine] |
| 81 | R | - [With 2.0L turbo gasoline engine] |
| 82 | G | - [With 2.0L turbo gasoline engine] |
| 82 | SHIELD | - [With VR30 engine] |
| 83 | R | - [With 2.0L turbo gasoline engine] |
| 83 | W | - [With VR30 engine] |
| 84 | BR | - [With VR30 engine] |
| 84 | SHIELD | - [With 2.0L turbo gasoline engine] |
| 85 | BR | - [With VR30 engine] |
| 85 | G | - [With 2.0L turbo gasoline engine] |
| 86 | R | - [With 2.0L turbo gasoline engine] |
| 86 | V | - [With VR30 engine] |
| 87 | LG | - [With VR30 engine] |
| 87 | SHIELD | - [With 2.0L turbo gasoline engine] |
| 89 | BR | - [With VR30 engine] |
| 89 | LG | - [With 2.0L turbo gasoline engine] |
| 90 | SB | - [With 2.0L turbo gasoline engine] |
| 90 | V | - [With VR30 engine] |
| 92 | L | - [With 2.0L turbo gasoline engine] |
| 92 | W | - [With VR30 engine] |
| 93 | R | - [With VR30 engine] |
| 93 | SHIELD | - [With 2.0L turbo gasoline engine] |
| 94 | R | - |
| 95 | L | - [With 2.0L turbo gasoline engine] |
| 95 | Y | - [With VR30 engine] |
| 96 | R | - [With 2.0L turbo gasoline engine] |
| 96 | W | - [With VR30 engine] |
| 97 | L | - [With VR30 engine] |
| 97 | R | - [With 2.0L turbo gasoline engine] |
| 98 | BR | - |
| 99 | BR | - [With VR30 engine and with BOSE system] |
| 99 | P | - [With 2.0L turbo gasoline engine] |
| 99 | Y | - [With VR30 engine and without BOSE system] |
| 100 | BR | - [With VR30 engine] |
| 100 | W | - [With 2.0L turbo gasoline engine] |

| | |
|---|---|
| Connector No. | M23 |
| Connector Name | BLOWER MOTOR |
| Connector Type | NS03FW-M3 |




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

| | |
|---|---|
| Connector No. | M24 |
| Connector Name | CAN GATEWAY |
| Connector Type | TH12FW-NH |




| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | L | CAN-H (CAN COMMUNICATION CIRCUIT 1) |
| 3 | W | BATTERY POWER SUPPLY |
| 4 | L | CAN-H (CAN COMMUNICATION CIRCUIT 2) |
| 5 | B | GROUND |
| 6 | L | CAN-H (CAN COMMUNICATION CIRCUIT 2) |
| 7 | P | CAN-L (CAN COMMUNICATION CIRCUIT 1) |
| 9 | R | IGNITION POWER SUPPLY [With VR30 engine and without ISS] |
| 9 | W | IGNITION POWER SUPPLY [Except with VR30 engine and without ISS] |
| 10 | R | CAN-L (CAN COMMUNICATION CIRCUIT 2) |
| 11 | B | GROUND |
| 12 | R | CAN-L (CAN COMMUNICATION CIRCUIT 2) |

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IGNITION POWER SUPPLY (VR ENGINE)

| Connector No. | M25 |
|---|---|
| Connector Name | DATA LINK CONNECTOR |
| Connector Type | BD16FW |

H.S.




| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 3 | LG | M_CAN_L |
| 4 | B | EARTH |
| 5 | B | EARTH |
| 6 | L | CAN-H |
| 7 | V | K-LINE [With 2.0L turbo gasoline engine] |
| 7 | W | K-LINE [With VR30 engine] |
| 8 | W | IGN_SW |
| 11 | SB | M_CAN_H |
| 12 | R | CAN-L |
| 13 | L | CAN-H |
| 14 | P | CAN-L |
| 16 | W | POWER |

| Connector No. | M33 |
|---|---|
| Connector Name | WIRE TO WIRE |
| Connector Type | NH60MW-TS12 |

H.S.



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 2 | W | - |
| 4 | G | - |
| 5 | G | - |
| 6 | R | - |
| 7 | R | - |
| 8 | GR | - |
| 9 | GR | - |
| 10 | W | - |
| 11 | SHIELD | - |
| 12 | P | - |
| 13 | SB | - |
| 14 | LG | - |
| 15 | Y | - |
| 16 | Y | - |
| 17 | P | - |
| 18 | W/B | - |
| 19 | LG | - [With DRPO] |
| 19 | Y | - [Without DRPO] |
| 20 | V | - |
| 21 | B | - |
| 22 | BG | - [Without DRPO] |
| 22 | G | - [With DRPO] |
| 23 | L | - |
| 24 | Y | - |
| 25 | BG | - [Without DRPO] |
| 25 | L | - [With DRPO] |
| 26 | Y | - |
| 27 | GR | - |
| 28 | V | - |
| 29 | B | - |
| 30 | W | - |
| 31 | B | - |
| 32 | SB | - |
| 33 | L | - |
| 34 | BR | - |
| 35 | LG | - |
| 36 | W | - |
| 37 | B | - |
| 40 | P | - |
| 41 | SB | - |
| 43 | W | - [Except with VR30 engine and without ISS] |
| 43 | Y | - [With VR30 engine and without ISS] |
| 44 | BG | - |
| 46 | BR | - |
| 47 | G | - |
| 49 | V | - |
| 50 | B | - |
| 52 | BR | - |
| 53 | B | - |
| 55 | BG | - |
| 56 | LG | - |
| 57 | V | - |
| 58 | R | - |
| 59 | G | - |
| 60 | L | - |
| 61 | G | - |
| 62 | R | - |
| 63 | V | - |
| 64 | B | - |
| 65 | R | - |
| 66 | BR | - |
| 68 | P | - |
| 69 | V | - |
| 70 | W | - |
| 71 | LG | - |
| 72 | V | - |

| Connector No. | M34 |
|---|---|
| Connector Name | WIRE TO WIRE |
| Connector Type | NH60MW-TS12 |

H.S.



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | V | - |
| 2 | R | - |
| 4 | G | - [With DRPO] |
| 4 | SB | - [Without DRPO] |
| 5 | L | - |
| 6 | R | - |
| 7 | R | - |
| 8 | W | - |
| 9 | GR | - |
| 10 | V | - |
| 11 | Y | - |
| 13 | LG | - |
| 14 | W | - |
| 16 | G | - |
| 17 | B | - |
| 18 | W | - |
| 19 | B | - |
| 20 | SB | - [With DRPO] |
| 20 | Y | - [Without DRPO] |
| 21 | SHIELD | - |
| 22 | B | - |
| 23 | BG | - [Without DRPO] |
| 23 | P | - [With DRPO] |
| 24 | G | - |
| 25 | LG | - |
| 26 | BG | - [Without DRPO] |
| 26 | BR | - [With DRPO] |
| 27 | R | - |
| 28 | SB | - |
| 29 | BG | - [Without DRPO] |
| 29 | W/B | - [With DRPO] |
| 30 | L | - |
| 49 | P | - |
| 52 | V | - |
| 55 | B | - |
| 56 | SB | - |
| 57 | G | - |
| 58 | G | - |
| 59 | LG | - |
| 60 | R | - |
| 63 | B | - |
| 64 | R | - |
| 65 | BR | - |
| 66 | Y | - |
| 69 | BR | - |
| 70 | Y | - |
| 71 | SB | - |
| 72 | W | - |

| Connector No. | M40 |
|---|---|
| Connector Name | WIRE TO WIRE |
| Connector Type | TH80MW-CS16-TM4 |

H.S.



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | BG | - |
| 6 | W/B | - |
| 7 | V | - |
| 8 | BG | - [With VR30 engine] |
| 8 | BR | - [With 2.0L turbo gasoline engine] |
| 9 | LG | - [With VR30 engine] |
| 9 | P | - [With 2.0L turbo gasoline engine] |
| 10 | W | - |
| 11 | W | - [With VR30 engine] |
| 11 | Y | - [With 2.0L turbo gasoline engine] |
| 12 | B | - [With VR30 engine] |
| 12 | BR | - [With 2.0L turbo gasoline engine] |

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IGNITION POWER SUPPLY (VR ENGINE)

| | | |
|---|---|---|
| 13 | GR | - [With VR30 engine] |
| 13 | SHIELD | - [With 2.0L turbo gasoline engine] |
| 14 | B | - |
| 15 | BG | - [With 2.0L turbo gasoline engine] |
| 15 | SB | - [With VR30 engine] |
| 16 | B | - [With VR30 engine] |
| 16 | BR | - [With 2.0L turbo gasoline engine] |
| 17 | LG | - |
| 18 | B | - [With VR30 engine] |
| 18 | W/B | - [With 2.0L turbo gasoline engine] |
| 19 | Y | - |
| 31 | W | - |
| 32 | G | - [With 2.0L turbo gasoline engine] |
| 32 | V | - [With VR30 engine] |
| 33 | L | - [With VR30 engine] |
| 33 | Y | - [With 2.0L turbo gasoline engine] |
| 34 | P | - |
| 35 | BG | - |
| 36 | G | - [With VR30 engine] |
| 37 | B | - [With 2.0L turbo gasoline engine] |
| 37 | L | - [With VR30 engine] |
| 38 | L | - [With 2.0L turbo gasoline engine and without gateway] |
| 38 | P | - [With 2.0L turbo gasoline engine and without gateway] |
| 38 | R | - [With 2.0L turbo gasoline engine and with gateway] |
| 39 | R | - [With 2.0L turbo gasoline engine] |
| 39 | Y | - [With VR30 engine] |
| 40 | GR | - |
| 41 | L | - |
| 44 | BR | - |
| 45 | L | - [With 2.0L turbo gasoline engine] |
| 45 | W | - [With VR30 engine] |
| 46 | G | - [With 2.0L turbo gasoline engine] |
| 46 | Y | - [With 2.0L turbo gasoline engine] |
| 47 | BG | - [With 2.0L turbo gasoline engine] |
| 47 | R | - [With VR30 engine] |
| 48 | SHIELD | - |
| 49 | B | - [With VR30 engine] |
| 49 | G | - [With 2.0L turbo gasoline engine] |
| 50 | B | - [With 2.0L turbo gasoline engine] |
| 50 | BR | - [With VR30 engine] |
| 51 | L | - |
| 52 | W | - |
| 53 | G | - |
| 54 | SB | - [With 2.0L turbo gasoline engine] |
| 54 | Y | - [With VR30 engine] |
| 55 | B | - [With 2.0L turbo gasoline engine] |
| 55 | P | - [With VR30 engine] |
| 56 | BG | - [With 2.0L turbo gasoline engine] |
| 56 | GR | - [With VR30 engine] |
| 57 | GR | - [With 2.0L turbo gasoline engine] |
| 57 | P | - [With VR30 engine] |
| 58 | B | - |
| 59 | SB | - |
| 61 | W/B | - |
| 64 | Y | - |
| 65 | R | - |
| 66 | P | - [Color of wire differs depending on production] |
| 66 | V | - [Color of wire differs depending on production] |
| 67 | LG | - |
| 68 | BG | - |
| 69 | L | - |
| 70 | R | - |
| 71 | V | - [With VR30 engine] |
| 71 | W | - [With 2.0L turbo gasoline engine] |
| 72 | L | - [With 2.0L turbo gasoline engine] |
| 72 | LG | - [With VR30 engine] |
| 73 | R | - [With VR30 engine] |
| 73 | W | - [With 2.0L turbo gasoline engine] |
| 74 | BR | - [With VR30 engine] |
| 74 | L | - [With 2.0L turbo gasoline engine] |
| 75 | B | - [With VR30 engine] |
| 75 | P | - [With 2.0L turbo gasoline engine and without gateway] |
| 75 | R | - [With 2.0L turbo gasoline engine and with gateway] |
| 76 | W/B | - |
| 77 | SB | - |
| 78 | G | - [With VR30 engine] |
| 78 | LG | - [With 2.0L turbo gasoline engine] |
| 79 | R | - |
| 80 | G | - |
| 81 | R | - |
| 82 | LG | - |
| 83 | BR | - [With 2.0L turbo gasoline engine] |
| 83 | R | - [With VR30 engine] |
| 84 | V | - |
| 86 | V | - |
| 87 | G | - |
| 89 | V | - |
| 90 | G | - [With VR30 engine] |
| 90 | V | - [With 2.0L turbo gasoline engine] |
| 91 | W | - |
| 92 | G | - |
| 93 | BR | - |
| 94 | GR | - [With VR30 engine] |
| 94 | L | - [With 2.0L turbo gasoline engine] |
| 95 | BR | - [With VR30 engine] |
| 95 | P | - [With 2.0L turbo gasoline engine and without gateway] |
| 95 | R | - [With 2.0L turbo gasoline engine and with gateway] |
| 96 | W | - |
| 97 | LG | - |
| 98 | Y | - |
| 99 | BR | - [With VR30 engine] |
| 99 | LG | - [With 2.0L turbo gasoline engine] |
| 100 | SHIELD | - |

| Connector No. | M42 |
|---|---|
| Connector Name | AWD CONTROL UNIT |
| Connector Type | TH16FW-NH |

H.S.

| 1 | 2 | 3 | | | | 7 | 8 |
|---|---|---|---|---|---|---|---|
| 9 | 10 | 11 | | | 13 | 15 | 16 |

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | BR | AWD SOL (+) |
| 2 | Y | AWD SOL (-) |
| 3 | W/B | FLUID TEMP (-) |
| 7 | G | IGN |
| 8 | L | CAN-H |
| 9 | BG | AWD SOL BAT |
| 10 | B | GND |
| 11 | B | GND |
| 13 | LG | FLUID TEMP (+) |
| 15 | W | BATTERY POWER SUPPLY |
| 16 | P | CAN-L [Without Gateway] |
| 16 | R | CAN-L [With Gateway] |

| Connector No. | M46 |
|---|---|
| Connector Name | HEATED SEAT RELAY |
| Connector Type | MS02FL-M2-LC |

H.S.

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

| Terminal No. | Signal Name [Specification] |
|---|---|
| 1 | B |
| 2 | R |
| 2 | W |
| 3 | G |
| 5 | LG |

| Connector No. | M56 |
|---|---|
| Connector Name | DRIVER ASSISTANCE BUZZER CONTROL MODULE |
| Connector Type | TH16FW-NH |

H.S.

| 8 | | | 5 | | 3 | | 11 |
|---|---|---|---|---|---|---|---|
| 16 | | | 13 | | 11 | | |

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | G | IGNITION |
| 3 | L | ITS COMM-H |
| 5 | B | GROUND |
| 8 | R | WARNING BUZZER SIGNAL |
| 11 | Y | ITS COMM-L |
| 13 | B | GROUND |
| 16 | G | WARNING BUZZER SIGNAL GROUND |

| Connector No. | M58 |
|---|---|
| Connector Name | COMBINATION METER |
| Connector Type | TH12FW-NH |

H.S.

| 41 | 42 | 43 | 44 | 45 | 46 |
|---|---|---|---|---|---|
| 47 | 48 | | | 51 | 52 |

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 41 | L | CAN-H |
| 42 | P | CAN-L |
| 43 | B | ILLUMINATION CONTROL SIGNAL |
| 44 | Y | FUEL LEVEL SENSOR GROUND |
| 45 | W | BATTERY POWER SUPPLY |
| 46 | BG | IGNITION SIGNAL [Except with VR30 engine and without ISS] |
| 46 | R | IGNITION SIGNAL [With VR30 engine and without ISS] |
| 47 | SB | AV COMMUNICATION SIGNAL (H) |
| 48 | LG | AV COMMUNICATION SIGNAL (L) |

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IGNITION POWER SUPPLY (VR ENGINE)

| | | |
|---|---|---|
| 51 | BR | FUEL LEVEL SENSOR SIGNAL |
| 52 | B | GROUND |

| | |
|---|---|
| Connector No. | M60 |
| Connector Name | NAVI CONTROL UNIT |
| Connector Type | TH28FW |

H.S.

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3 | 5 | 7 | | | | | | | | 12 | 13 | 14 | |
| 15 | 17 | 19 | 21 | | | | | | | | 26 | 27 | 28 | |

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | Y | BAT |
| 3 | B | GND |
| 5 | SB | ACC [Except for VR30 engine and with ISS] |
| 5 | V | ACC [For VR30 engine and with ISS] |
| 7 | R | VEHICLE SPEED SIGNAL [8-PULSE] |
| 12 | G | MICROPHONE SIGNAL |
| 13 | SHIELD | SHIELD |
| 14 | W | VOICE GUIDANCE SIGNAL OUTPUT (+) |
| 15 | Y | BAT |
| 17 | B | GND |
| 19 | R | IGN [For VR30 engine and with ISS] |
| 19 | W | IGN [Except for VR30 engine and with ISS] |
| 21 | BR | REVERSE SIGNAL |
| 26 | R | MICROPHONE SIGNAL GND |
| 27 | SHIELD | SHIELD |
| 28 | B | VOICE GUIDANCE SIGNAL OUTPUT (-) |

| | |
|---|---|
| Connector No. | M71 |
| Connector Name | STEERING FORCE CONTROL MODULE |
| Connector Type | RH24FB-RZ8-L-RH |

H.S.

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2 | | 4 | 5 | 6 | | 25 | | 26 | | | | | |
| | | | 10 | 11 | | | 27 | | 28 | | | | | |
| | 14 | | 15 | | 17 | 18 | 29 | | 30 | | | | | |
| | 19 | | 20 | | 22 | 23 | 24 | | 31 | | 32 | | | |

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 2 | Y | STEERING FORCE MOTOR RESOLVER SIGNAL [S1-S3] |
| 4 | W | STEERING FORCE MOTOR RESOLVER SIGNAL [S1-S3] |
| 5 | G | STEERING FORCE MOTOR RESOLVER SIGNAL [S2-S4] |
| 6 | L | STEERING FORCE MOTOR RESOLVER SIGNAL [S2-S4] |
| 10 | B | STEERING FORCE MOTOR RESOLVER SIGNAL [R1-R2] |
| 11 | R | STEERING FORCE MOTOR RESOLVER SIGNAL [R1-R2] |
| 14 | L | CAN COMMUNICATION-H |
| 15 | P | CAN COMMUNICATION-L [Without Gateway] |
| 15 | R | CAN COMMUNICATION-L [With Gateway] |
| 17 | Y | BACK UP SIGNAL [FROM STEERING ANGLE MAIN CONTROL MODULE] |
| 18 | Y | BACK UP SIGNAL [FROM STEERING ANGLE SUB CONTROL MODULE] |
| 19 | W | FLEXRAY COMMUNICATION-H |
| 20 | V | FLEXRAY COMMUNICATION-L |
| 22 | BG | BACK UP SIGNAL [TO STEERING ANGLE MAIN CONTROL MODULE] |
| 23 | BR | CAN WAKE UP |
| 24 | R | BACK UP SIGNAL [TO STEERING ANGLE SUB CONTROL MODULE] |
| 25 | W | IGNITION POWER SUPPLY |
| 26 | R/W | STEERING CLUTCH + |
| 27 | W/B | IGNITION POWER SUPPLY [TO STEERING ANGLE SUB CONTROL MODULE] |
| 28 | R | STEERING CLUTCH - |
| 29 | L | FORCE MOTOR TEMPERATURE SENSOR - |
| 30 | B | GROUND |
| 31 | R | FORCE MOTOR TEMPERATURE SENSOR + |
| 32 | B | GROUND |

| | |
|---|---|
| Connector No. | M76 |
| Connector Name | SONAR CONTROL UNIT |
| Connector Type | TH24FW-NH |

H.S.

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 | | 10 | 9 | | | 6 | 5 | 4 | 3 | 2 | 1 | | | |
| | 22 | 21 | | 19 | 18 | | | | 15 | 14 | 13 | | | |

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | SB | CENTER SENSOR SIGNAL FRONT RH |
| 2 | LG | CENTER SENSOR SIGNAL FRONT LH |
| 3 | W | CORNER SENSOR SIGNAL FRONT LH |
| 4 | GR | CORNER SENSOR SIGNAL FRONT RH |
| 5 | L | CAN-H |
| 6 | P | CAN-L [Without Gateway] |
| 6 | R | CAN-L [With Gateway] |
| 9 | G | CENTER SENSOR SIGNAL REAR RH |
| 10 | BG | CORNER SENSOR SIGNAL REAR RH |
| 12 | R | IGN [For VR30 engine] |
| 12 | W | IGN [For 2.0L turbo gasoline engine] |
| 13 | B | FRONT SENSOR GND |
| 14 | B | REAR SENSOR GND |
| 15 | B | GND |
| 18 | GR | FRONT BUZZER DRIVE SIGNAL |
| 19 | P | BUZZER POWER SUPPLY |
| 21 | BR | CENTER SENSOR SIGNAL REAR LH |
| 22 | W | CORNER SENSOR SIGNAL REAR LH |

| | |
|---|---|
| Connector No. | M77 |
| Connector Name | STEERING ANGLE SENSOR |
| Connector Type | TH08FW-NH |

H.S.

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

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | B | GROUND |
| 2 | P | CAN-L [Without Gateway] |
| 2 | R | CAN-L [With Gateway] |
| 4 | G | IGN |
| 5 | L | CAN-H |

| | |
|---|---|
| Connector No. | M85 |
| Connector Name | RESISTOR |
| Connector Type | M02FBR-LC |

H.S.

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

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

| | |
|---|---|
| Connector No. | M88 |
| Connector Name | A/C AUTO AMP. |
| Connector Type | TH40FW-NH |

H.S.

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | | | | 7 | | 9 | | | 13 | | 15 | 16 |
| 21 | 22 | 23 | | | | 28 | | 30 | | | 36 | | 38 | 40 |

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | L | CAN-H |
| 2 | B | GROUND |
| 3 | W | BATTERY POWER SUPPLY |
| 7 | G | AMBIENT SENSOR SIGNAL |
| 9 | R | SUNLOAD SENSOR SIGNAL |
| 13 | SB | ACC POWER SUPPLY [With 2.0L turbo gasoline engine] |
| 13 | V | ACC POWER SUPPLY [With VR30 engine] |
| 16 | P | LIN SIGNAL |
| 17 | R | DOOR MOTOR POWER SUPPLY |

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IGNITION POWER SUPPLY (VR ENGINE)

| | | |
|---|---|---|
| 18 | P | BLOWER MOTOR CONTROL SIGNAL |
| 20 | L | HEATED STEERING WHEEL RELAY CONTROL SIGNAL |
| 21 | P | CAN-L |
| 22 | B | GROUND |
| 23 | R | IGNITION POWER SUPPLY (With VR30 engine and with ISS) |
| 23 | W | IGNITION POWER SUPPLY (Except with VR30 engine and with ISS) |
| 26 | B | SENSOR GROUND |
| 27 | LG | IN-VEHICLE SENSOR SIGNAL |
| 28 | BR | INTAKE SENSOR SIGNAL |
| 30 | BG | EXHAUST GAS / OUTSIDE DOOR DETECTING SENSOR SIGNAL |
| 37 | B | GROUND |
| 38 | BG | IONIZER (ON/OFF) CONTROL SIGNAL |
| 40 | BG | ECV CONTROL SIGNAL |

| | |
|---|---|
| Connector No. | M100 |
| Connector Name | DISPLAY CONTROL UNIT |
| Connector Type | TH24FW-NH |

H.S.

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 16 | 17 | | 19 | 20 | | | 22 |
| | | | | 26 | | 28 | 29 | 30 | 31 | | 33 | 34 |

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 16 | LG | AV COMM (L) |
| 17 | P | CAN-L |
| 19 | R | DIMMER SIGNAL |
| 20 | BR | REVERSE SIGNAL |
| 22 | B | GND |
| 26 | BR | CAMERA SWITCH SIGNAL |
| 28 | SB | AV COMM (H) |
| 29 | L | CAN-H |
| 30 | R | IGN [For VR30 engine] |
| 30 | W | IGN [For 2.0L turbo gasoline engine] |
| 31 | R | VEHICLE SPEED SIGNAL (8-PULSE) |
| 33 | SB | ACC [Except for VR30 engine and with ISS] |
| 33 | V | ACC [For VR30 engine and with ISS] |
| 34 | Y | BAT |

| | |
|---|---|
| Connector No. | M97 |
| Connector Name | BACK-UP LAMP RELAY |
| Connector Type | MS02FL-M2-LC |

H.S.

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

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | R | - |
| 2 | SB | - [With 2.0L turbo gasoline engine] |
| 2 | W | - [With VR30 engine] |
| 3 | R | - |
| 5 | BR | - |

| | |
|---|---|
| Connector No. | M124 |
| Connector Name | ACCELERATOR PEDAL ACTUATOR/ACCELERATOR PEDAL POSITION SENSOR |
| Connector Type | RH12FB |

H.S.

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

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | BR | BATTERY |
| 2 | G | IGNITION |
| 3 | L | ITS COMM-H |
| 4 | W | - |
| 5 | G | - |
| 6 | Y | - |

| | | |
|---|---|---|
| 7 | B | GROUND |
| 9 | Y | ITS COMM-L |
| 10 | L | - |
| 11 | R | - |
| 12 | BR | - |

| | |
|---|---|
| Connector No. | M131 |
| Connector Name | FUSE BLOCK (J/B) |
| Connector Type | M02FW-LC |

H.S.

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

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

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 5B | 4B | | | | | 2B | | | |
| 16B | 15B | 14B | 13B | | | | 11B | | 9B | | | |

| | |
|---|---|
| Connector No. | M132 |
| Connector Name | FUSE BLOCK (J/B) |
| Connector Type | NS16FW-CS |

H.S.

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 11B | LG | - |
| 13B | P | - |
| 14B | G | - |
| 15B | Y | - |
| 16B | Y | - |
| 2B | B | - |
| 4B | W | - |
| 5B | R | - |
| 9B | Y | - |

| | |
|---|---|
| Connector No. | M133 |
| Connector Name | FUSE BLOCK (J/B) |
| Connector Type | TH40FW-NH |

H.S.

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1C | 2C | 3C | 4C | 5C | 6C | 7C | 8C | 9C | 10C | 11C | 12C | 13C | 14C | 15C | 16C | 17C | 18C | 19C | 20C | 21C |
| 40 | 39 | 38 | 37 | 36 | 35 | 34 | 33 | 32 | 31 | 30 | 29 | 28 | 27 | 26 | 25 | 24 | 23 | 22 | 21 | |

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 10C | V | - |
| 12C | L | - |
| 13C | L | - |
| 14C | Y | - |
| 15C | R | - |
| 16C | R | - |
| 17C | L | - |
| 18C | BG | - [Without DRPO] |
| 18C | P | - [With DRPO] |
| 19C | B | - |
| 1C | R | - |
| 20C | W | - |
| 21C | L | - |
| 22C | L | - |
| 23C | L | - |
| 25C | LG | - |
| 26C | SB | - |
| 27C | P | - |
| 28C | W | - |
| 29C | W | - |
| 2C | R | - |
| 30C | R | - |
| 31C | W | - |
| 32C | R | - |
| 33C | B | - [With VR30 engine] |
| 33C | R | - [With 2.0L turbo gasoline engine] |
| 34C | W/B | - |
| 35C | SB | - |
| 36C | R | - |
| 37C | W | - |
| 38C | SB | - |
| 39C | V | - |
| 3C | P | - |
| 40C | G | - |
| 4C | P | - |
| 5C | P | - |

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IGNITION POWER SUPPLY (VR ENGINE)

| | |
|---|---|
| 6C | G |
| 7C | G |
| 8C | G |
| 9C | V |

| | |
|---|---|
| Connector No. | M135 |
| Connector Name | JOINT CONNECTOR-M09 |
| Connector Type | 24342_4GA2A |

H.S.

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

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | B | - |
| 2 | B | - |
| 3 | B | - |
| 4 | B | - |
| 5 | B | - |
| 6 | B | - |
| 9 | LG | - |
| 10 | LG | - |
| 11 | LG | - |
| 13 | B | - [With VR30 engine] |
| 13 | SB | - [With 2.0L turbo gasoline engine] |
| 14 | B | - [With VR30 engine] |
| 14 | SB | - [With 2.0L turbo gasoline engine] |
| 15 | B | - [With VR30 engine] |
| 15 | SB | - [With 2.0L turbo gasoline engine] |
| 16 | SB | - [With 2.0L turbo gasoline engine] |
| 16 | Y | - [With VR30 engine] |
| 17 | SB | - [With 2.0L turbo gasoline engine] |
| 17 | Y | - [With VR30 engine] |
| 18 | SB | - [With 2.0L turbo gasoline engine] |
| 18 | Y | - [With VR30 engine] |
| 19 | SHIELD | - |
| 20 | R | - |
| 21 | R | - |
| 22 | SHIELD | - |
| 23 | L | - |
| 24 | L | - |

| | |
|---|---|
| Connector No. | M136 |
| Connector Name | IONIZER |
| Connector Type | JA803FB |

H.S.

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

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | W | IGN |
| 2 | BG | ION_ON_OFF |
| 3 | B | GND |

| | |
|---|---|
| Connector No. | M140 |
| Connector Name | OPTION CONNECTOR (TOTAL ILLUMINATION CONTROL UNIT [PASSENGER SIDE]) |
| Connector Type | TH12MW-NH |

H.S.

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

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | R | IGN |
| 2 | W | BAT |
| 3 | R | TAIL_LAMP |
| 4 | V | ROOM_LAMP_OUTPUT |
| 5 | LG | BATTERY_SAVER_OUTPUT |
| 6 | GR | FR_DOOR_SW_RH |
| 7 | V | FR_DOOR_SW_LH |
| 8 | V | THRU_SIGNAL_1 |
| 9 | G | RR_DOOR_RH |
| 10 | W | RR_DOOR_LH |
| 11 | SB | ACC [With 2.0L turbo gasoline engine] |
| 11 | V | ACC [With VR30 engine] |
| 12 | B | GND |

| | |
|---|---|
| Connector No. | M141 |
| Connector Name | OPTION CONNECTOR (TOTAL ILLUMINATION CONTROL UNIT[DRIVER SIDE]) |
| Connector Type | TH12MW-NH |

H.S.

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

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | R | IGN |
| 2 | W | BAT |
| 3 | R | TAIL_LAMP |
| 4 | V | ROOM_LAMP_OUTPUT |
| 5 | LG | BATTERY_SAVER_OUTPUT |
| 6 | GR | FR_DOOR_SW_RH |
| 7 | V | FR_DOOR_SW_LH |
| 8 | V | THRU_SIGNAL_1 |
| 9 | G | RR_DOOR_RH |
| 10 | W | RR_DOOR_LH |
| 11 | SB | ACC [With 2.0L turbo gasoline engine] |
| 11 | V | ACC [With VR30 engine] |
| 12 | B | GND |

| | |
|---|---|
| Connector No. | M144 |
| Connector Name | TCU |
| Connector Type | TH40FB-NH |

H.S.

| 18 | 17 | 16 | | | | 12 | 11 | 10 | | | 7 | 6 | 5 | | 3 | 2 | 1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 57 | | | | 33 | 31 | 30 | 29 | 28 | 27 | 26 | | | | | |

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | Y | BAT |
| 2 | SB | ACC [For 2.0L turbo gasoline engine] |
| 2 | V | ACC [For VR30 engine] |
| 3 | SB | ACC OUTPUT |
| 5 | BR | SOS SWITCH LED SIGNAL |
| 6 | L | CAN-H |
| 7 | P | CAN-L |

| | |
|---|---|
| 10 | R |
| 10 | W |
| 11 | SHIELD |
| 12 | R |
| 16 | SHIELD |
| 17 | G |
| 18 | L |
| 26 | SB |
| 27 | LG |
| 28 | B |
| 29 | B |
| 30 | SHIELD |
| 31 | B |
| 32 | W |
| 37 | G |

IGN [For VR30 engine]
IGN [For 2.0L turbo gasoline engine]
MICROPHONE SIGNAL GND
MICROPHONE OUTPUT SIGNAL
SHIELD
MICROPHONE SIGNAL
MICROPHONE VCC
AV COMM (H)
AV COMM (L)
GROUND
GROUND
SHIELD
SOUND SIGNAL (+)
SOUND SIGNAL (-)
SOS CALL SWITCH SIGNAL

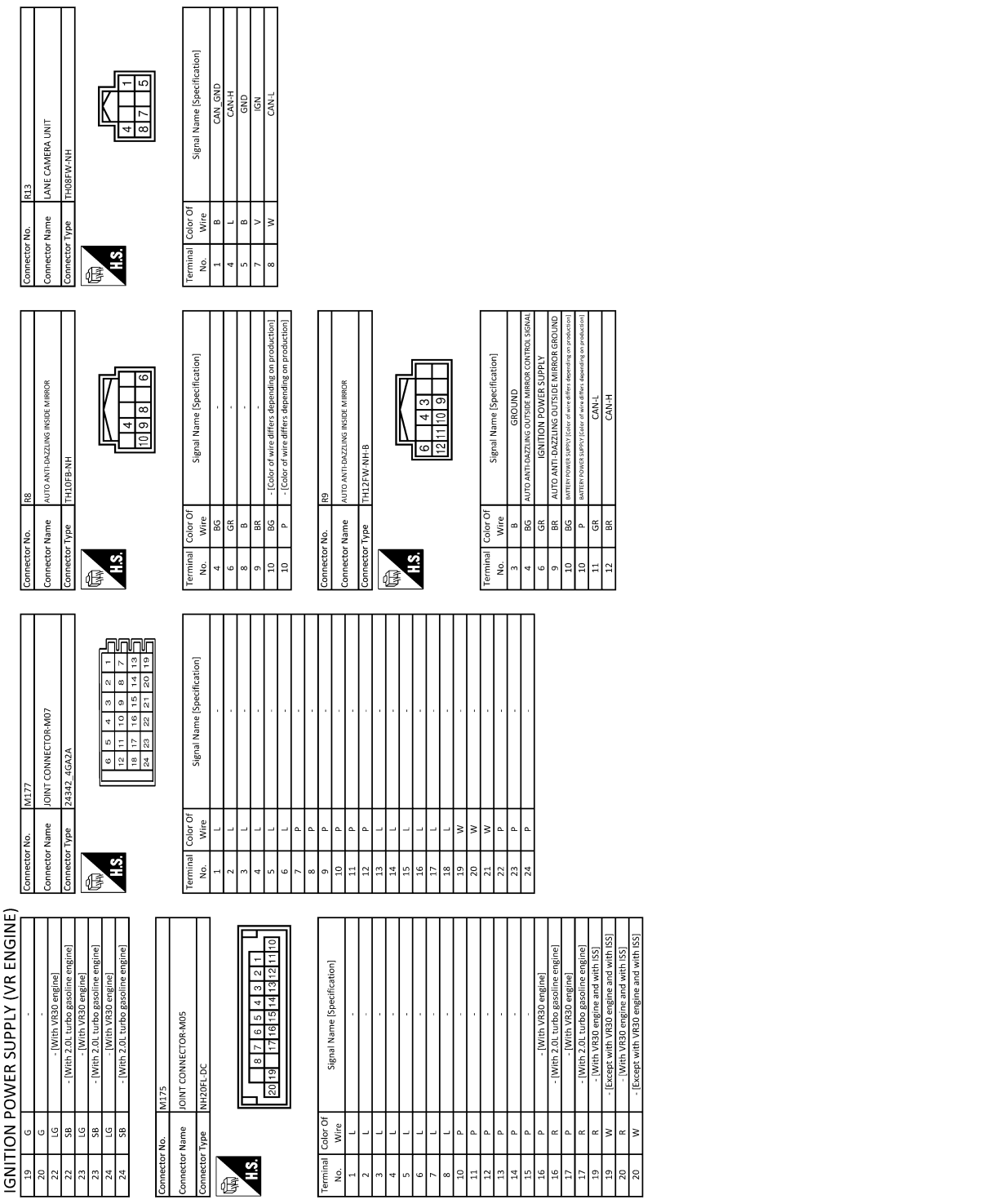
| | |
|---|---|
| Connector No. | M171 |
| Connector Name | JOINT CONNECTOR-M01 |
| Connector Type | 24342_4GA2A |

H.S.

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

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | B | - |
| 2 | B | - |
| 3 | B | - |
| 4 | B | - |
| 5 | B | - |
| 6 | B | - |
| 7 | B | - |
| 8 | B | - |
| 9 | B | - |
| 10 | G | - |
| 11 | G | - |
| 14 | B | - |
| 15 | B | - |
| 16 | SB | - [With VR30 engine] |
| 16 | Y | - [With 2.0L turbo gasoline engine] |
| 17 | SB | - [With VR30 engine] |
| 17 | Y | - [With 2.0L turbo gasoline engine] |
| 18 | SB | - [With VR30 engine] |
| 18 | Y | - [With 2.0L turbo gasoline engine] |

JRMWJ4905GB

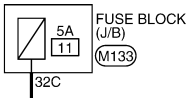



JRMWJ4906GB

# VR30DDTT : Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 11 -

INFOID:0000000012791628

## IGNITION POWER SUPPLY FUSE No. 11 (VR ENGINE)




| Connector No. | Terminal No. | Connect to |
|---|---|---|
| M58 | 46 | COMBINATION METER |
| M97 | 1 | BACK-UP LAMP RELAY |
| M97 | 3 | BACK-UP LAMP RELAY |
| M1 | 18 | INTEGRAL SWITCH |
| M140 | 1 | OPTION CONNECTOR (TOTAL ILLUMINATION CONTROL UNIT (PASSENGER SIDE)) |
| M141 | 1 | OPTION CONNECTOR (TOTAL ILLUMINATION CONTROL UNIT (DRIVER SIDE)) |

2015/11/27

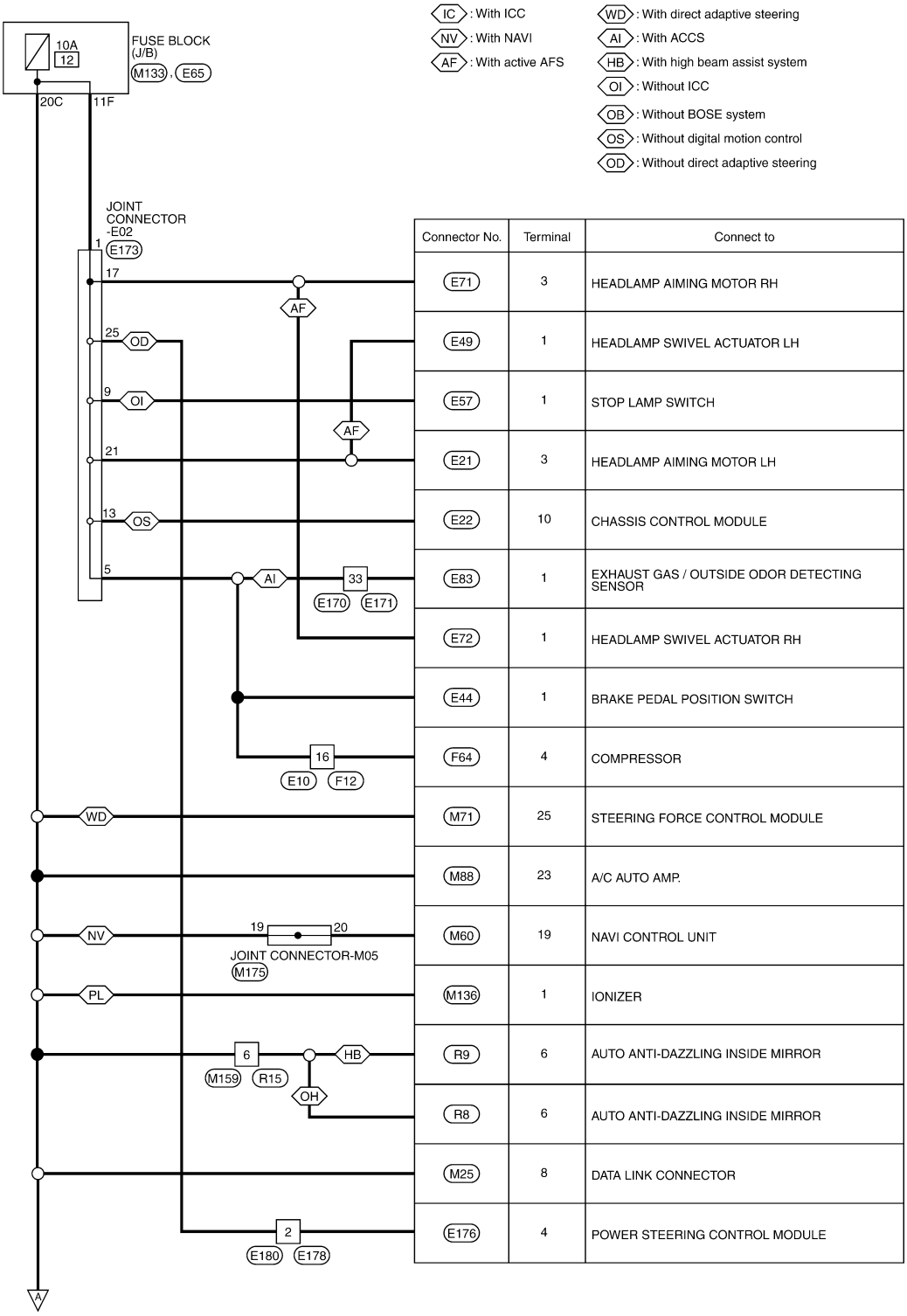
JRMWJ1883GB

# VR30DDTT : Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 12 -

INFOID:0000000012791629

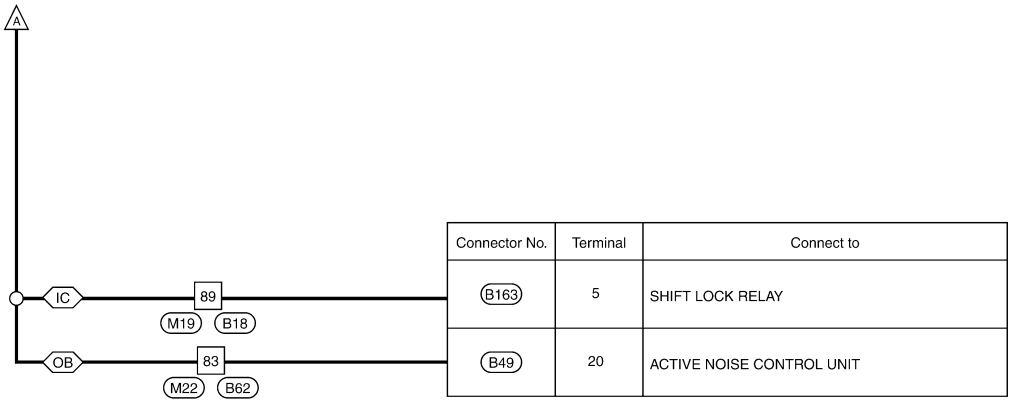
## IGNITION POWER SUPPLY FUSE No. 12 (VR ENGINE)

IC : With ICC
NV : With NAVI
AF : With active AFS
OH : Without high beam assist system
WD : With direct adaptive steering
AI : With ACCS
HB : With high beam assist system
OI : Without ICC
OB : Without BOSE system
OS : Without digital motion control
OD : Without direct adaptive steering




| Connector No. | Terminal | Connect to |
|---|---|---|
| E71 | 3 | HEADLAMP AIMING MOTOR RH |
| E49 | 1 | HEADLAMP SWIVEL ACTUATOR LH |
| E57 | 1 | STOP LAMP SWITCH |
| E21 | 3 | HEADLAMP AIMING MOTOR LH |
| E22 | 10 | CHASSIS CONTROL MODULE |
| E83 | 1 | EXHAUST GAS / OUTSIDE ODOR DETECTING SENSOR |
| E72 | 1 | HEADLAMP SWIVEL ACTUATOR RH |
| E44 | 1 | BRAKE PEDAL POSITION SWITCH |
| F64 | 4 | COMPRESSOR |
| M71 | 25 | STEERING FORCE CONTROL MODULE |
| M88 | 23 | A/C AUTO AMP. |
| M60 | 19 | NAVI CONTROL UNIT |
| M136 | 1 | IONIZER |
| R9 | 6 | AUTO ANTI-DAZZLING INSIDE MIRROR |
| R8 | 6 | AUTO ANTI-DAZZLING INSIDE MIRROR |
| M25 | 8 | DATA LINK CONNECTOR |
| E176 | 4 | POWER STEERING CONTROL MODULE |

JRMWJ4907GB




| Connector No. | Terminal | Connect to |
|---|---|---|
| B163 | 5 | SHIFT LOCK RELAY |
| B49 | 20 | ACTIVE NOISE CONTROL UNIT |

2016/02/15

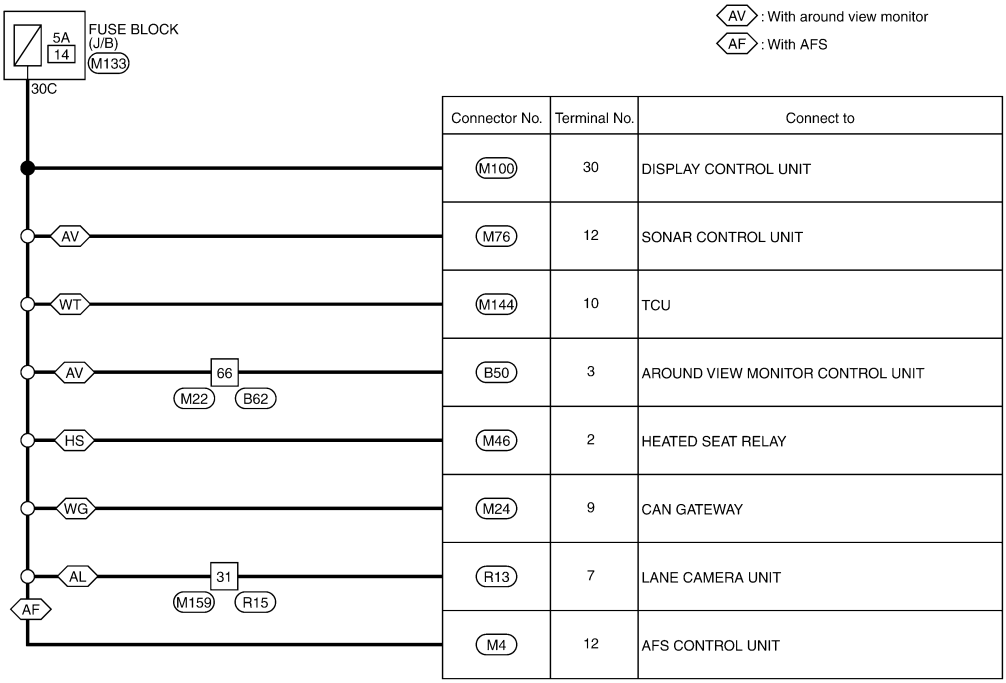
JRMWJ4908GB

# VR30DDTT : Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 14 -

INFOID:0000000012791630

## IGNITION POWER SUPPLY FUSE No. 14 (VR ENGINE)

WG : With CAN gateway
AL : With active lane control
HS : With heated seat
WT : With telematics
AV : With around view monitor
AF : With AFS




| Connector No. | Terminal No. | Connect to |
|---|---|---|
| M100 | 30 | DISPLAY CONTROL UNIT |
| M76 | 12 | SONAR CONTROL UNIT |
| M144 | 10 | TCU |
| B50 | 3 | AROUND VIEW MONITOR CONTROL UNIT |
| M46 | 2 | HEATED SEAT RELAY |
| M24 | 9 | CAN GATEWAY |
| R13 | 7 | LANE CAMERA UNIT |
| M4 | 12 | AFS CONTROL UNIT |

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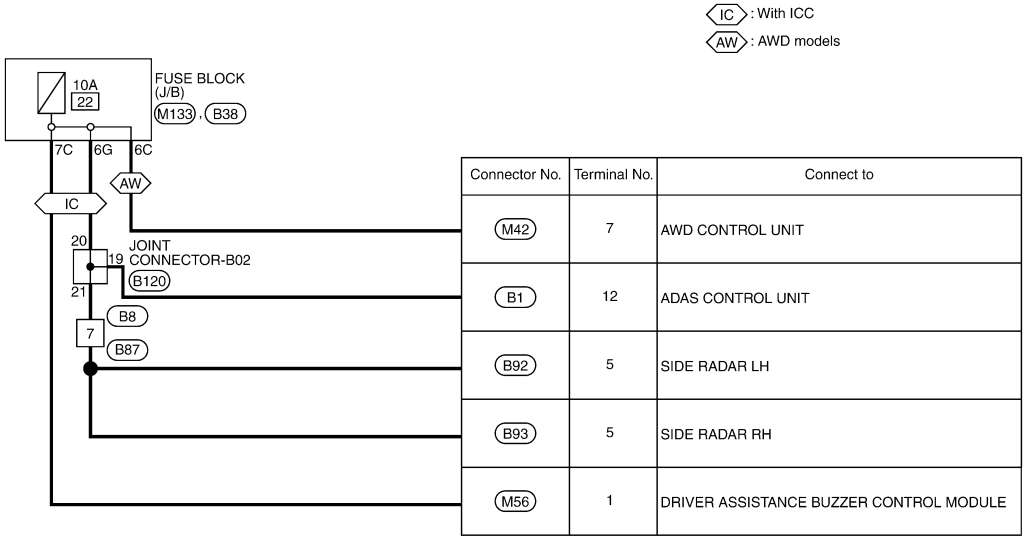
JRMWJ1885GB

# VR30DDTT : Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 22 -

INFOID:0000000012791631

## IGNITION POWER SUPPLY FUSE No. 22 (VR ENGINE)




| Connector No. | Terminal No. | Connect to |
|---|---|---|
| M42 | 7 | AWD CONTROL UNIT |
| B1 | 12 | ADAS CONTROL UNIT |
| B92 | 5 | SIDE RADAR LH |
| B93 | 5 | SIDE RADAR RH |
| M56 | 1 | DRIVER ASSISTANCE BUZZER CONTROL MODULE |

2015/11/27

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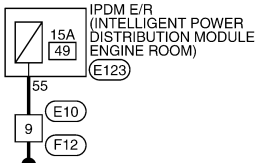
# VR30DDTT : Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 49 -

INFOID:0000000012791632

## IGNITION POWER SUPPLY FUSE No. 49 (VR ENGINE)




| Connector No. | Terminal No. | Connect to |
|---|---|---|
| F111 | 3 | IGNITION COIL No.1 (WITH POWER TRANSISTOR) |
| F112 | 3 | IGNITION COIL No.2 (WITH POWER TRANSISTOR) |
| F113 | 3 | IGNITION COIL No.3 (WITH POWER TRANSISTOR) |
| F114 | 3 | IGNITION COIL No.4 (WITH POWER TRANSISTOR) |
| F85 | 1 | CONDENSER |
| F115 | 3 | IGNITION COIL No.5 (WITH POWER TRANSISTOR) |
| F116 | 3 | IGNITION COIL No.6 (WITH POWER TRANSISTOR) |
| F142 | 185 | ECM |
| E154 | 28 | VTC CONT UNIT |

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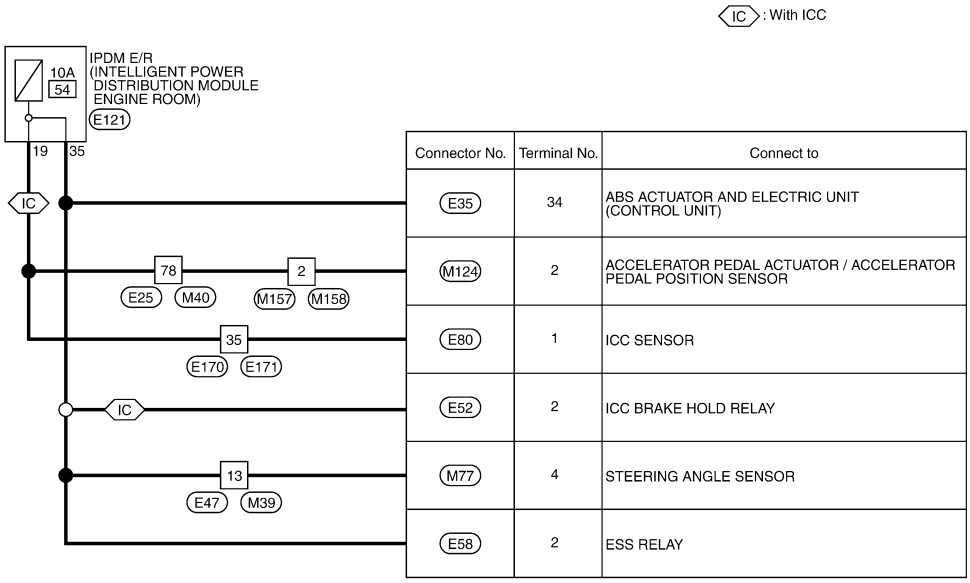
# VR30DDTT : Wiring Diagram - IGNITION POWER SUPPLY FUSE No. 54 -

INFOID:0000000012791634

## IGNITION POWER SUPPLY FUSE No. 54 (VR ENGINE)




| Connector No. | Terminal No. | Connect to |
|---|---|---|
| E35 | 34 | ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT) |
| M124 | 2 | ACCELERATOR PEDAL ACTUATOR / ACCELERATOR PEDAL POSITION SENSOR |
| E80 | 1 | ICC SENSOR |
| E52 | 2 | ICC BRAKE HOLD RELAY |
| M77 | 4 | STEERING ANGLE SENSOR |
| E58 | 2 | ESS RELAY |

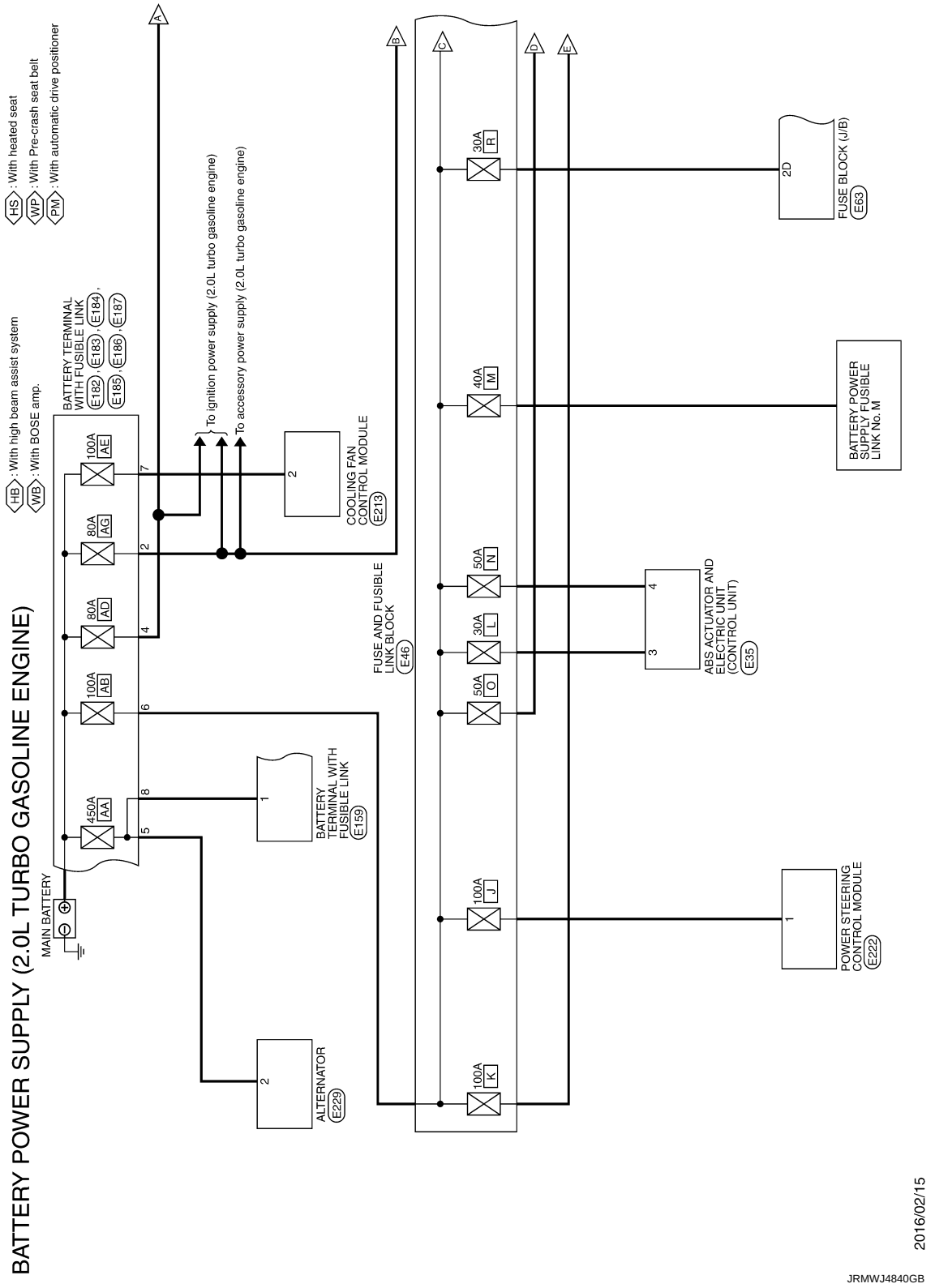
2015/11/27

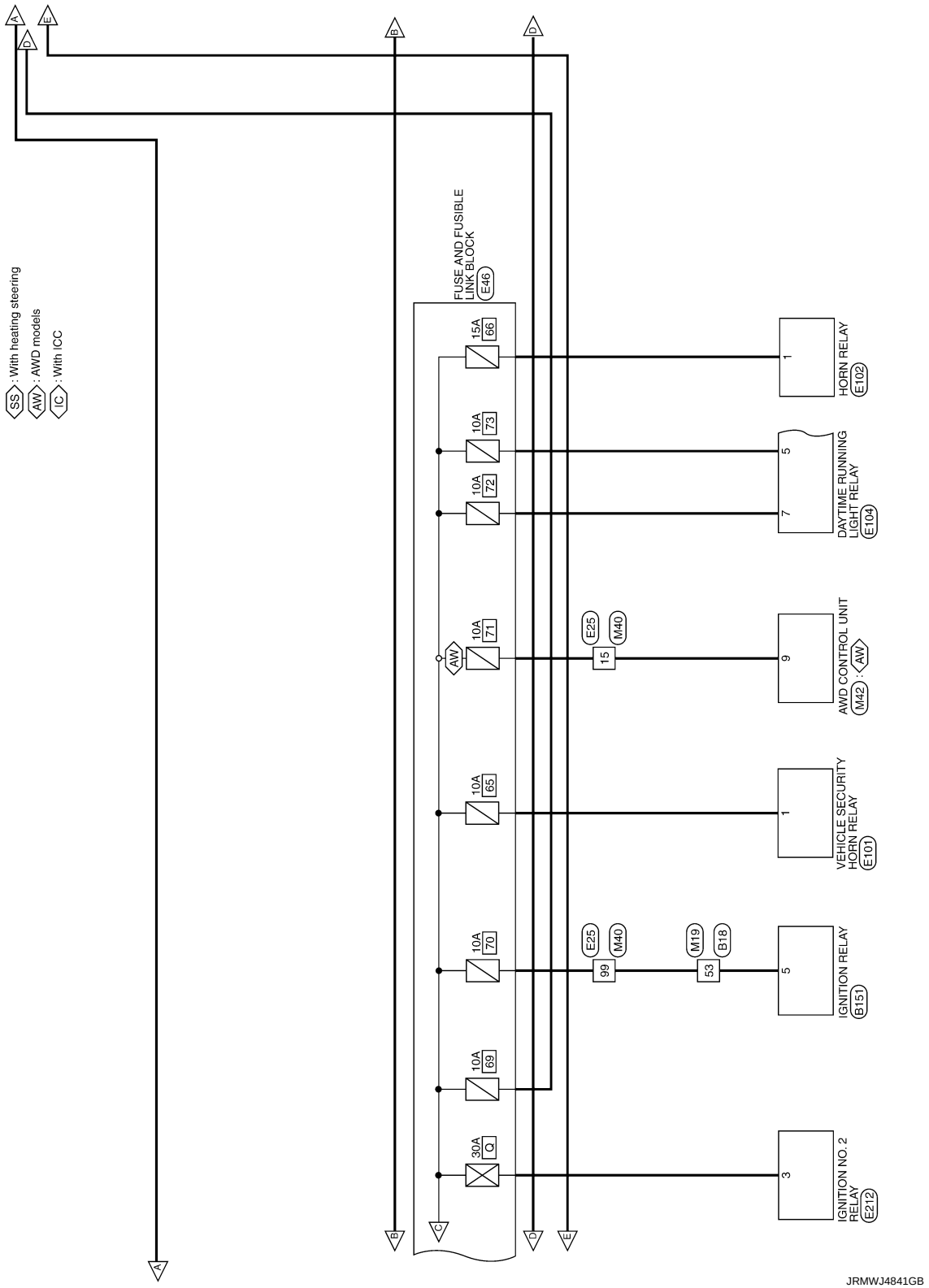
JRMWJ1888GB

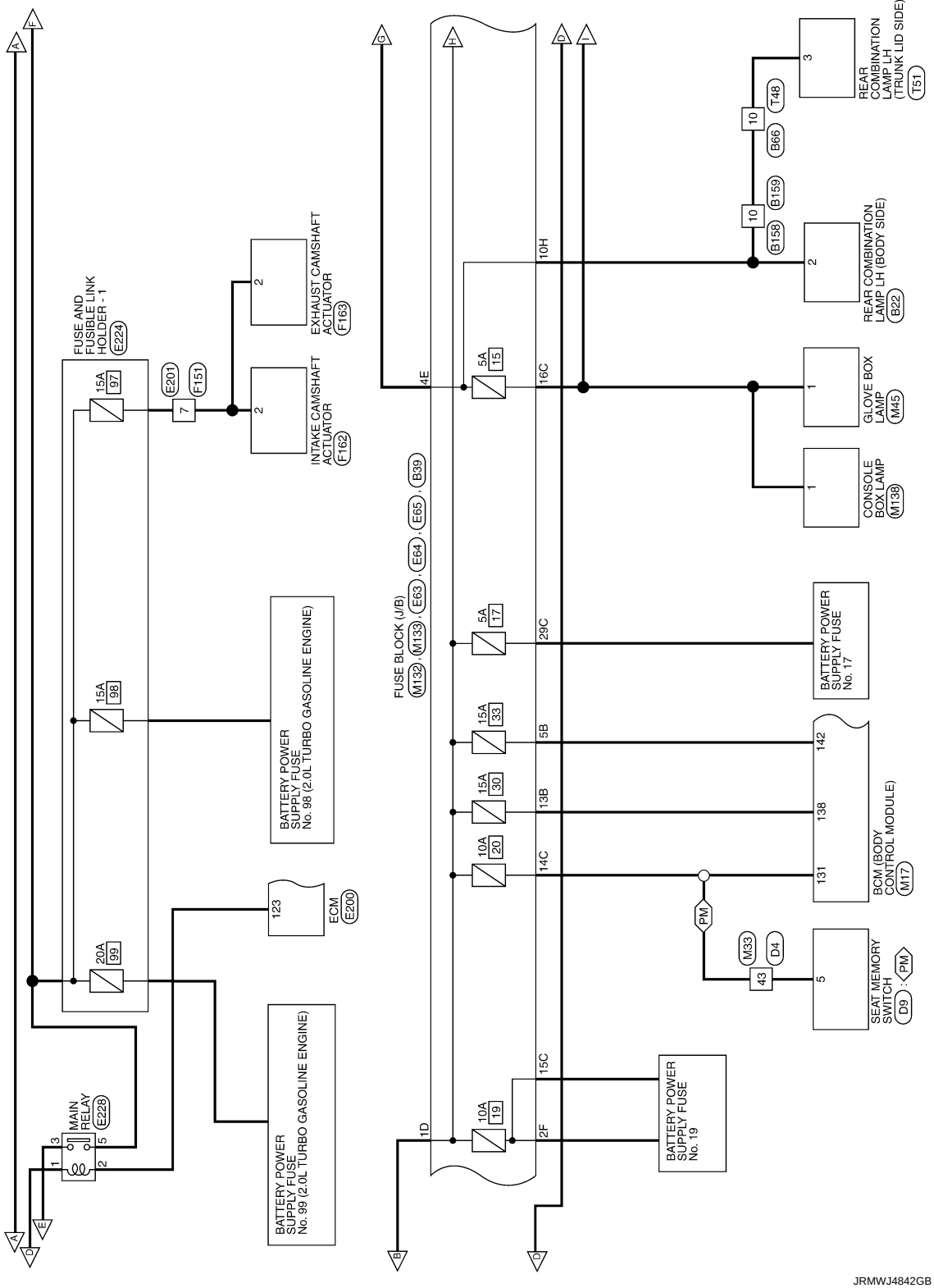
## 2.0L TURBO GASOLINE ENGINE

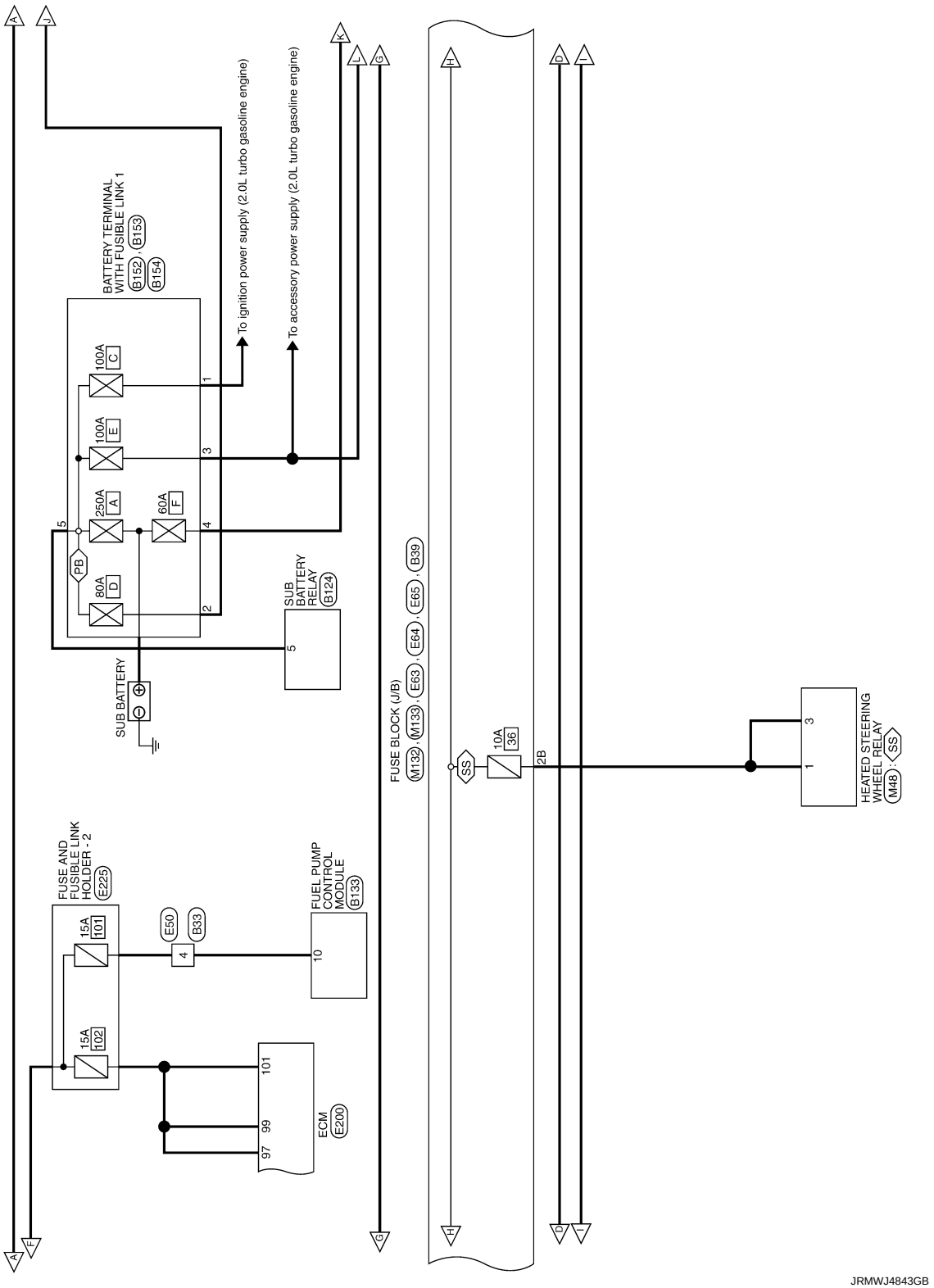
# 2.0L TURBO GASOLINE ENGINE : Wiring Diagram - BATTERY POWER SUPPLY -

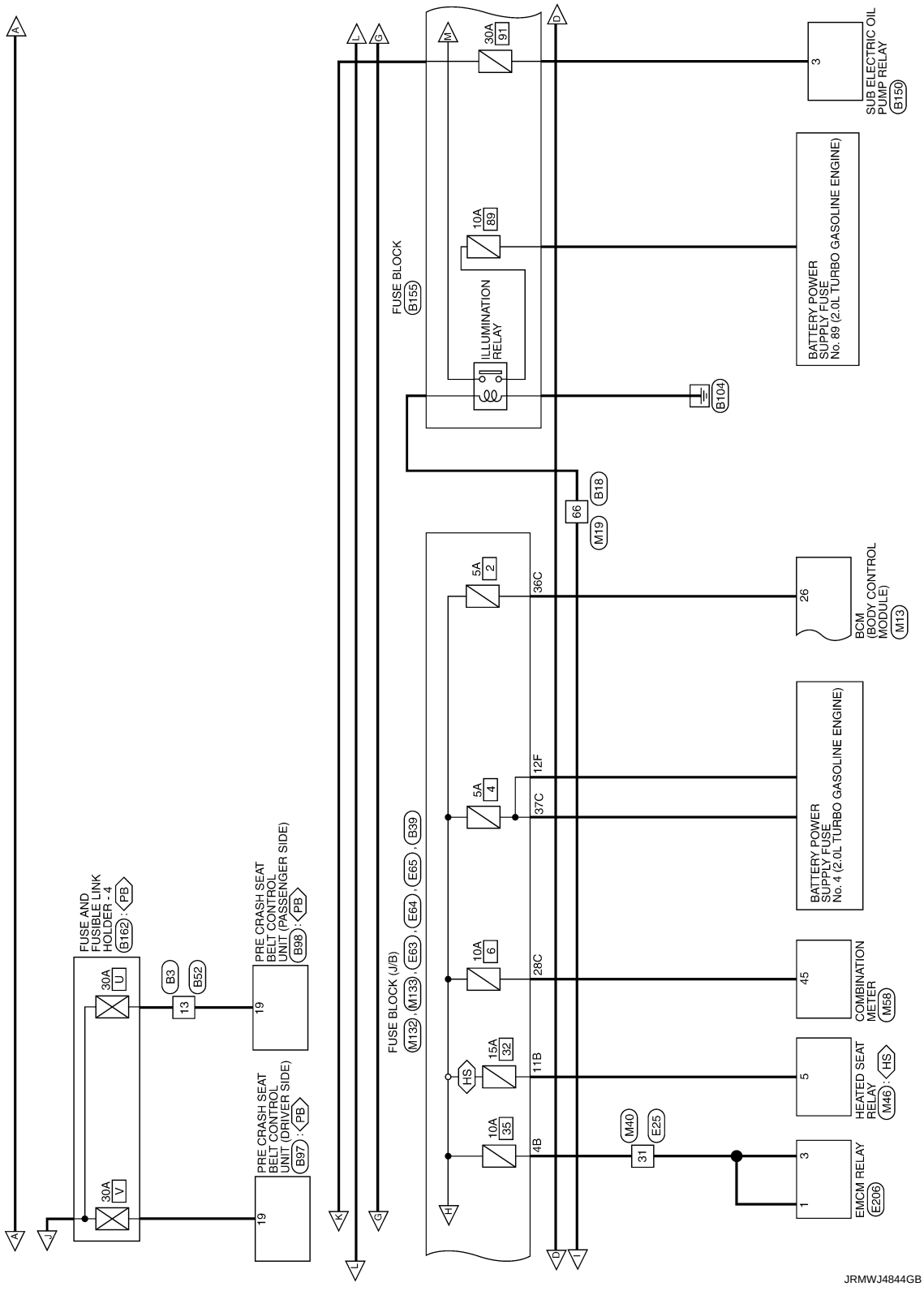
INFOID:0000000013358777

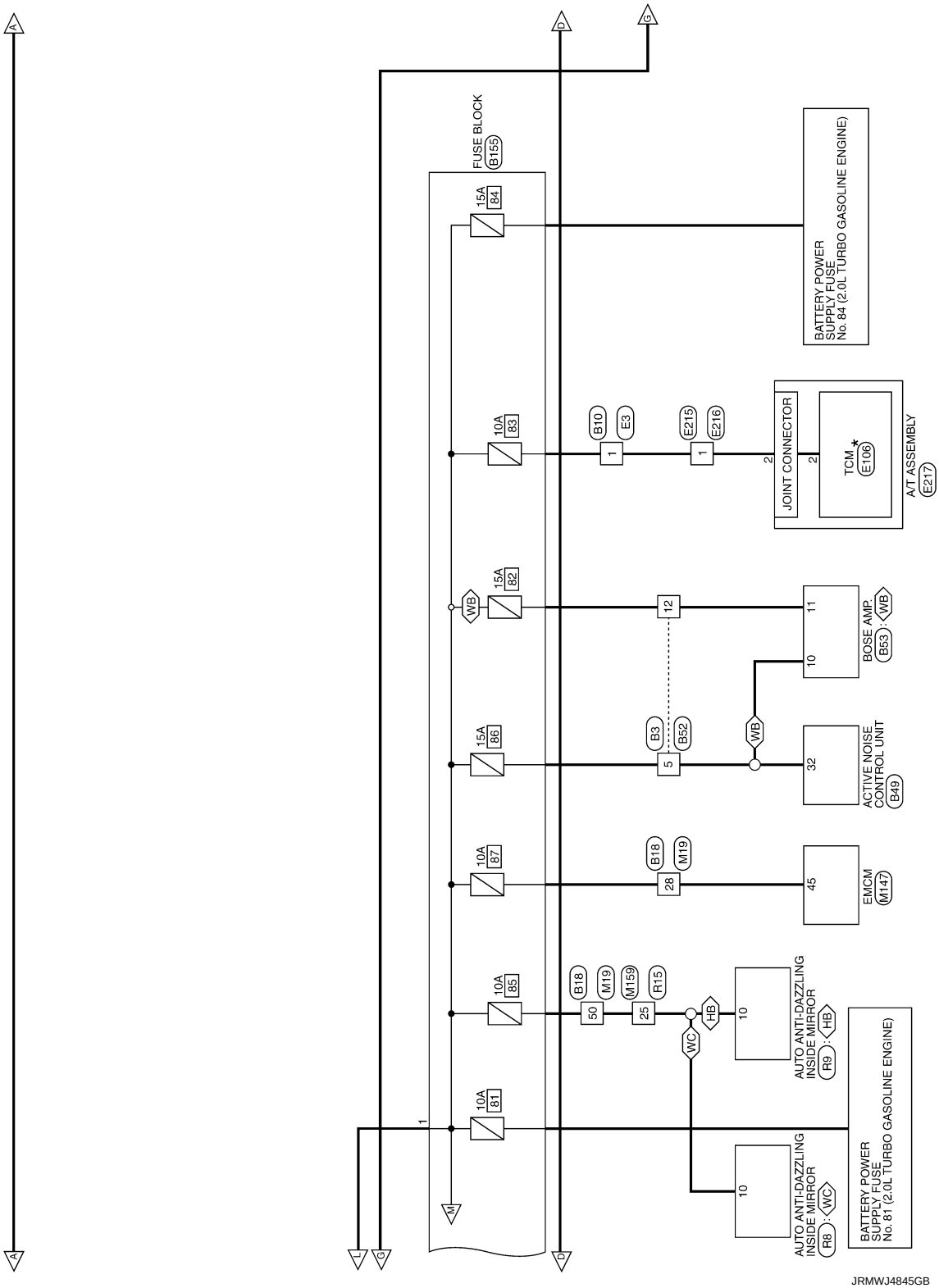


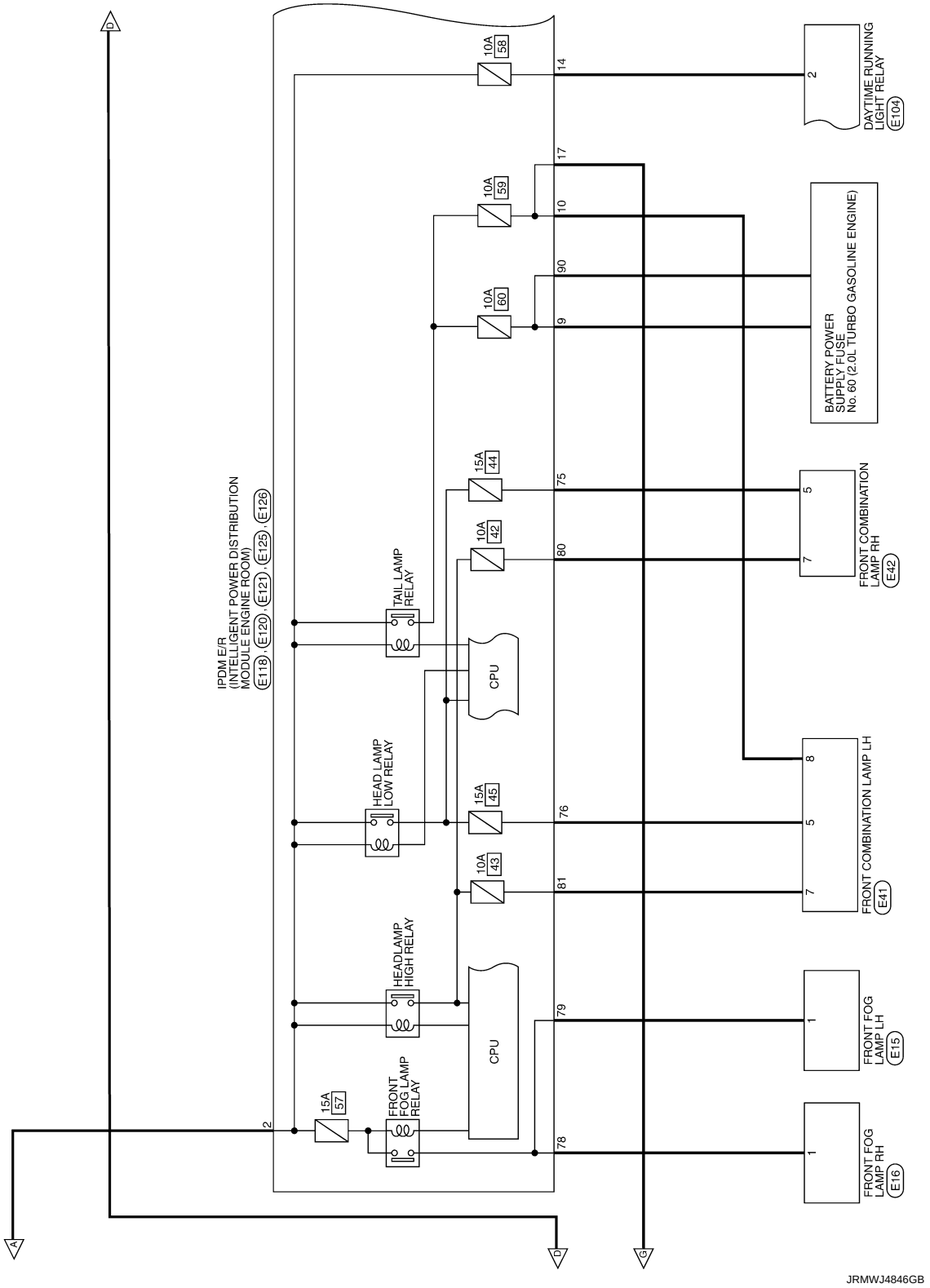

SS : With heating steering
AW : AWD models
IC : With ICC
FUSE AND FUSIBLE LINK BLOCK E46
15A 66
10A 73
10A 72
10A 71
10A 65
10A 70
10A 69
30A Q
HORN RELAY E102
DAYTIME RUNNING LIGHT RELAY E104
AWD CONTROL UNIT M42 : AW
VEHICLE SECURITY HORN RELAY E101
IGNITION RELAY B151
IGNITION NO. 2 RELAY E212
E25 M40 15
E25 M40 99
M19 B18 53
JRMWJ4841GB

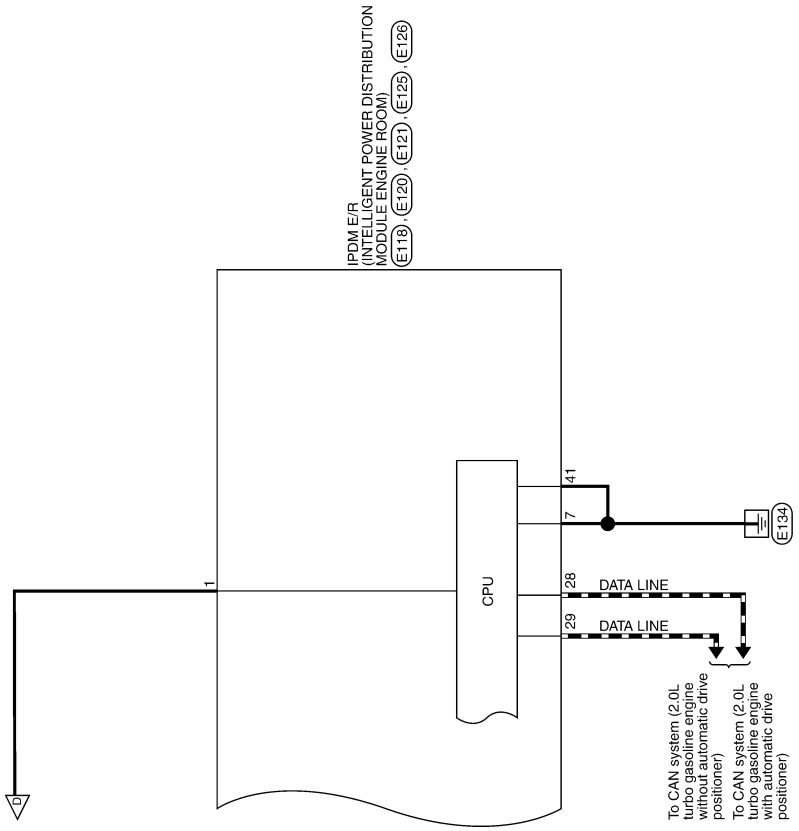

FUSE AND FUSIBLE LINK HOLDER - 1 E224
15A 97
15A 98
20A 99
E201
7
F151
EXHAUST CAMSHAFT ACTUATOR F163
INTAKE CAMSHAFT ACTUATOR F162
MAIN RELAY E228
BATTERY POWER SUPPLY FUSE No. 98 (2.0L TURBO GASOLINE ENGINE)
BATTERY POWER SUPPLY FUSE No. 99 (2.0L TURBO GASOLINE ENGINE)
ECM E200
FUSE BLOCK (J/B) M132, M133, E63, E64, E65, B39
5A 15
5A 17
15A 33
15A 30
10A 20
10A 19
BATTERY POWER SUPPLY FUSE No. 17
BATTERY POWER SUPPLY FUSE No. 19
BCM (BODY CONTROL MODULE) M17
SEAT MEMORY SWITCH D9
REAR COMBINATION LAMP LH (TRUNK LID SIDE) T51
REAR COMBINATION LAMP LH (BODY SIDE) B22
GLOVE BOX LAMP M45
CONSOLE BOX LAMP M138
JRMWJ4842GB


BATTERY TERMINAL WITH FUSIBLE LINK 1
B152, B153, B154
100A C
100A E
250A A
60A F
80A D
PB
SUB BATTERY RELAY
B124
SUB BATTERY
To ignition power supply (2.0L turbo gasoline engine)
To accessory power supply (2.0L turbo gasoline engine)
FUSE BLOCK (J/B)
M132, M133, E63, E64, E65, B39
10A 36
2B
SS
HEATED STEERING WHEEL RELAY
M48, SS
FUSE AND FUSIBLE LINK HOLDER - 2
E225
15A 101
15A 102
E50
B33
FUEL PUMP CONTROL MODULE
B133
ECM
E200
JRMWJ4843GB


FUSE AND FUSIBLE LINK HOLDER - 4
B162 : PB
30A U
30A V
B3
B52
13
PRE CRASH SEAT BELT CONTROL UNIT (PASSENGER SIDE)
B98 : PB
19
PRE CRASH SEAT BELT CONTROL UNIT (DRIVER SIDE)
B97 : PB
19
FUSE BLOCK (J/B)
M132 , M133 , E63 , E64 , E65 , B39
FUSE BLOCK
B155
30A 91
10A 89
ILLUMINATION RELAY
B104
66
B18
M19
5A 2
36C
5A 4
12F
37C
10A 6
28C
15A 32
11B
HS
10A 35
4B
M40
E25
31
SUB ELECTRIC OIL PUMP RELAY
B150
3
BATTERY POWER SUPPLY FUSE
No. 89 (2.0L TURBO GASOLINE ENGINE)
BCM (BODY CONTROL MODULE)
M13
26
BATTERY POWER SUPPLY FUSE
No. 4 (2.0L TURBO GASOLINE ENGINE)
COMBINATION METER
M58
45
HEATED SEAT RELAY
M46 : HS
5
EMCM RELAY
E206
1
3
JRMWJ4844GB


FUSE BLOCK
B155
15A 84
10A 83
15A 82
15A 86
10A 87
10A 85
10A 81
BATTERY POWER SUPPLY FUSE No. 84 (2.0L TURBO GASOLINE ENGINE)
B10
E3
E215
E216
JOINT CONNECTOR
TCM
E106
A/T ASSEMBLY
E217
WB
12
11
10
BOSE AMP.
B53
B3
B52
5
32
ACTIVE NOISE CONTROL UNIT
B49
B18
M19
28
45
EMCM
M147
M159
R15
50
25
HB
WC
AUTO ANTI-DAZZLING INSIDE MIRROR
R9
R8
BATTERY POWER SUPPLY FUSE No. 81 (2.0L TURBO GASOLINE ENGINE)
JRMWJ4845GB


IPDM E/R
(INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
E118, E120, E121, E125, E126
10A 58
10A 59
10A 60
15A 44
10A 42
15A 45
10A 43
15A 57
TAIL LAMP RELAY
HEAD LAMP LOW RELAY
HEADLAMP HIGH RELAY
FRONT FOG LAMP RELAY
CPU
CPU
14
17
10
90
9
75
80
76
81
79
78
2
DAYTIME RUNNING LIGHT RELAY E104
BATTERY POWER SUPPLY FUSE No. 60 (2.0L TURBO GASOLINE ENGINE)
FRONT COMBINATION LAMP RH E42
FRONT COMBINATION LAMP LH E41
FRONT FOG LAMP LH E15
FRONT FOG LAMP RH E16
JRMWJ4846GB


IPDM E/R
(INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
E118, E120, E121, E125, E126
CPU
1
41
7
E134
28
29
DATA LINE
DATA LINE
To CAN system (2.0L turbo gasoline engine without automatic drive positioner)
To CAN system (2.0L turbo gasoline engine with automatic drive positioner)
JRMWJ4847GB

BATTERY POWER SUPPLY (2.0L TURBO GASOLINE ENGINE)

| Connector No. | B3 |
|---|---|
| Connector Name | WIRE TO WIRE |
| Connector Type | NS16FW-CS |

H.S.

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

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | L | - |
| 4 | B | - |
| 5 | BR | - [With BOSE system] |
| 5 | Y | - [Without BOSE system] |
| 7 | R | - |
| 8 | B | - |
| 9 | Y | - |
| 11 | B | - |
| 12 | GR | - |
| 13 | G | - |
| 14 | B | - |
| 15 | W | - |
| 16 | BR | - |

| Connector No. | B10 |
|---|---|
| Connector Name | WIRE TO WIRE |
| Connector Type | TH24FW-NH |

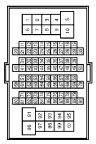
H.S.

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

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | LG | - [With 2.0L turbo gasoline engine] |
| 1 | Y | - [With VR30 engine] |
| 2 | W | - |
| 3 | LG | - |
| 4 | P | - [With VR30 engine] |
| 4 | SB | - [With 2.0L turbo gasoline engine] |
| 5 | L | - |
| 6 | V | - |
| 7 | LG | - |
| 8 | R | - |
| 9 | W | - |
| 10 | B | - |
| 11 | G | - |
| 12 | R | - |
| 13 | GR | - |
| 14 | BG | - |
| 15 | BR | - |
| 16 | LG | - |
| 17 | V | - |
| 18 | BR | - |
| 19 | LG | - [With 2.0L turbo gasoline engine] |
| 19 | Y | - [With VR30 engine] |
| 20 | Y | - |
| 21 | R | - [With 2.0L turbo gasoline engine] |
| 21 | V | - [With VR30 engine] |
| 22 | L | - |
| 23 | V | - |
| 24 | B | - [With VR30 engine] |
| 24 | R | - [With 2.0L turbo gasoline engine] |

| Connector No. | B18 |
|---|---|
| Connector Name | WIRE TO WIRE |
| Connector Type | TH80FW-CS16-TM4 |

H.S.



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | Y | - |
| 2 | G | - |
| 3 | L | - |
| 4 | LG | - |
| 5 | Y | - |
| 6 | R | - |
| 7 | V | - |
| 8 | LG | - |
| 10 | BG | - |
| 11 | BG | - |
| 12 | LG | - |
| 13 | GR | - |
| 14 | R | - |
| 15 | L | - |
| 16 | V | - |
| 18 | W | - |
| 19 | BR | - |
| 20 | W | - |
| 22 | R | - |
| 23 | V | - |
| 24 | R | - [With 2.0L turbo gasoline engine] |
| 24 | Y | - [With VR30 engine] |
| 25 | P | [With 2.0L turbo gasoline engine and without gateway] |
| 25 | V | - [With 2.0L turbo gasoline engine and with gateway] |
| 25 | W | - [With VR30 engine] |
| 26 | G | - |
| 27 | R | - |
| 28 | R | - |
| 31 | B | - [With VR30 engine] |
| 31 | BR | - [With 2.0L turbo gasoline engine] |
| 32 | B | - |
| 33 | B | - |
| 34 | LG | - |
| 35 | P | - |
| 36 | W | - |
| 37 | SB | - |
| 38 | LG | - |
| 40 | P | - |
| 41 | SB | - |
| 42 | BR | - |
| 43 | BG | - |
| 44 | BG | - |
| 46 | R | - |
| 50 | W | - |
| 51 | SB | - |
| 52 | V | - |
| 53 | LG | - |
| 54 | R | - |
| 55 | R | - |
| 57 | W | - |
| 58 | V | - |
| 59 | GR | - |
| 60 | G | - |
| 61 | G | - |
| 62 | BG | - |
| 63 | BR | - |
| 64 | Y | - |
| 66 | R | - |
| 70 | R | - |
| 71 | W | - |
| 72 | B | - |
| 73 | W | - |
| 74 | L | - |
| 75 | R | - [Without paddle shift] |
| 75 | V | - [With paddle shift] |
| 76 | BR | - |
| 77 | B | - |
| 78 | SB | - |
| 79 | V | [With VR30 engine] |
| 79 | W | - [With 2.0L turbo gasoline engine] |
| 81 | B | - |
| 82 | R | - |
| 83 | BG | - |
| 84 | L | - |
| 85 | R | - [Without paddle shift] |
| 85 | V | - [With paddle shift] |
| 86 | B | - |
| 88 | G | - |
| 89 | V | - [With 2.0L turbo gasoline engine] |
| 89 | W | - [With VR30 engine] |
| 91 | GR | - |
| 94 | GR | - |
| 96 | Y | - |
| 97 | V | - |
| 98 | BR | [With VR30 engine and with BOSE system] |
| 98 | Y | - [Except with VR30 engine and with BOSE system] |

| Connector No. | B22 |
|---|---|
| Connector Name | REAR COMBINATION LAMP LH (BODY SIDE) |
| Connector Type | NS04MW-CS |

H.S.

4 3 2 1

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | LG | - |
| 2 | P | - |
| 3 | SB | - |
| 4 | B | - |

JRMWJ4848GB

BATTERY POWER SUPPLY (2.0L TURBO GASOLINE ENGINE)

| Connector No. | B23 |
|---|---|
| Connector Name | REAR COMBINATION LAMP RH(BODY SIDE) |
| Connector Type | NS04MW-CS |

H.S.


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

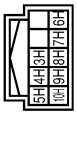
| Connector No. | B33 |
|---|---|
| Connector Name | WIRE TO WIRE |
| Connector Type | M06FW-LC |

H.S.


| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 2 | BR | - |
| 4 | L | - |
| 5 | R | - |

| Connector No. | B39 |
|---|---|
| Connector Name | FUSE BLOCK (J/B) |
| Connector Type | TH10FB-NH |

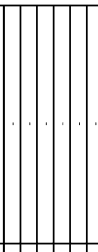
H.S.




| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 10H | P | - |
| 3H | L | - |
| 4H | R | - |
| 5H | V | - |
| 6H | L | - |
| 7H | LG | - |
| 8H | P | - |
| 9H | GR | - |

| Connector No. | B49 |
|---|---|
| Connector Name | ACTIVE NOISE CONTROL UNIT |
| Connector Type | TH32FW-NH |

H.S.




| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | SHIELD | GND |
| 2 | P | CAN-L [For 2.0L turbo gasoline engine] |
| 2 | R | CAN-L [For VR30 engine] |
| 3 | B | ENGINE TYPE SIGNAL 1 |
| 4 | B | ENGINE TYPE SIGNAL 2 |
| 8 | G | FRONT MICROPHONE SIGNAL (+) |
| 9 | BG | REAR MICROPHONE SIGNAL (+) |
| 12 | G | SOUND SIGNAL FRONT LH (+) |
| 13 | R | SOUND SIGNAL FRONT RH (+) |
| 14 | LG | SOUND SIGNAL REAR LH (+) |
| 15 | B | SOUND SIGNAL REAR RH (+) |
| 16 | V | ACC |

| 18 | L | CAN-H |
|---|---|---|
| 19 | P | ENGINE SPEED SIGNAL |
| 20 | W | IGN |
| 23 | B | GND |
| 24 | R | FRONT MICROPHONE SIGNAL (-) |
| 25 | W | REAR MICROPHONE SIGNAL (-) |
| 28 | L | SOUND SIGNAL FRONT LH (-) |
| 29 | L | SOUND SIGNAL FRONT RH (-) |
| 30 | P | SOUND SIGNAL REAR LH (-) |
| 31 | W | SOUND SIGNAL REAR RH (-) |
| 32 | Y | BAT |

| Connector No. | B50 |
|---|---|
| Connector Name | AROUND VIEW MONITOR CONTROL UNIT |
| Connector Type | TH40FW-NH |

H.S.


| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | B | GND |
| 2 | Y | BAT |
| 3 | LG | IGN |
| 4 | P | ACC |
| 19 | P | AV COMM (H) |
| 20 | LG | AV COMM (L) |
| 23 | SHIELD | AV COMM GND |
| 25 | BG | REVERSE SIGNAL |
| 27 | L | CAN-H |
| 28 | P | CAN-L [Without ADAS] [For VR30 engine] |
| 28 | R | CAN-L [With ADAS] |
| 28 | Y | CAN-L [Without ADAS] [For 2.0L turbo gasoline engine] |
| 29 | B | CAN GND |
| 30 | W | RETRACT MOTOR OPERATING SIGNAL [OPEN] |
| 32 | G | RETRACT MOTOR OPERATING SIGNAL [CLOSE] |

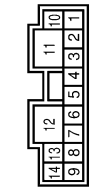
| Connector No. | B52 |
|---|---|
| Connector Name | WIRE TO WIRE |
| Connector Type | NS16MW-CS |

H.S.


| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | L | - |
| 4 | B | - |
| 5 | BR | - [With BOSE system] |
| 5 | Y | - [Without BOSE system] |
| 7 | R | - |
| 8 | SHIELD | - |
| 9 | P | - |
| 11 | B | - |
| 12 | GR | - |
| 13 | G | - |
| 14 | B | - |
| 15 | W | - |
| 16 | BR | - |

| Connector No. | B53 |
|---|---|
| Connector Name | BOSE AMP. |
| Connector Type | SGA12FBR-SJA2 |

H.S.




| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | R | SOUND SIGNAL REAR WOOFER (+) |
| 2 | L | SOUND SIGNAL REAR WOOFER (-) |
| 3 | L | SOUND SIGNAL FRONT DOOR WOOFER RH (+) |
| 4 | Y | SOUND SIGNAL FRONT DOOR WOOFER RH (-) |
| 5 | BR | SOUND SIGNAL REAR DOOR SPEAKER LH (+) |
| 6 | R | SOUND SIGNAL REAR DOOR SPEAKER LH (-) |
| 7 | B | GND |

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BATTERY POWER SUPPLY (2.0L TURBO GASOLINE ENGINE)

| | | |
|---|---|---|
| 8 | V | SOUND SIGNAL FRONT DOOR WOOFER LH (-) |
| 9 | P | SOUND SIGNAL REAR DOOR SPEAKER RH (-) |
| 10 | BR | BAT |
| 11 | GR | BAT |
| 12 | B | GND |
| 13 | P | SOUND SIGNAL FRONT DOOR WOOFER LH (+) |
| 14 | L | SOUND SIGNAL REAR DOOR SPEAKER RH (+) |

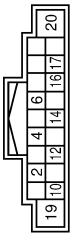
| | |
|---|---|
| Connector No. | B66 |
| Connector Name | WIRE TO WIRE |
| Connector Type | NS16MW-CS |

H.S.


| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | R | - |
| 2 | BG | - |
| 4 | SHIELD | - |
| 5 | W | - |
| 6 | GR | - |
| 8 | B | - |
| 9 | R | - |
| 10 | P | - |
| 11 | B | - |
| 13 | SHIELD | - [With rear view monitor] |
| 13 | W | - [With around view monitor] |
| 14 | B | - [With rear view monitor] |
| 14 | G | - [With around view monitor] |
| 15 | R | - [With around view monitor] |
| 15 | W | - [With rear view monitor] |
| 16 | B | - [With around view monitor] |
| 16 | R | - [With rear view monitor] |

| | |
|---|---|
| Connector No. | B97 |
| Connector Name | PRE-CRASH SEAT BELT CONTROL UNIT (DRIVER SIDE) |
| Connector Type | NH18FW-CS2 |

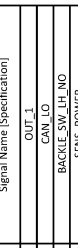
H.S.




| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 2 | G | OUT_1 |
| 4 | R | CAN_LO |
| 6 | W | BACKLE_SW_LH_NO |
| 10 | R | SENS_POWER |
| 12 | B | OUT_2 |
| 14 | L | CAN_HI |
| 16 | Y | LOCAL_COMM_1 |
| 17 | W | SENS_GND |
| 19 | BR | MOTOR_BAT [With 2.0L turbo gasoline engine] |
| 19 | Y | MOTOR_BAT [With VR30 engine] |
| 20 | B | MOTOR_GND |

| | |
|---|---|
| Connector No. | B98 |
| Connector Name | PRE-CRASH SEAT BELT CONTROL UNIT (PASSENGER SIDE) |
| Connector Type | NH18FW-CS2 |

H.S.




| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 6 | LG | BACKLE_SW_RH_NO |
| 16 | Y | LOCAL_COMM_1 |
| 19 | G | MOTOR_BAT [With 2.0L turbo gasoline engine] |
| 19 | W | MOTOR_BAT [With VR30 engine] |
| 20 | B | MOTOR_GND |

| | |
|---|---|
| Connector No. | B131 |
| Connector Name | EVAP CANISTER VENT CONTROL VALVE |
| Connector Type | E02FB-RS |

H.S.


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

| | |
|---|---|
| Connector No. | B133 |
| Connector Name | FUEL PUMP CONTROL MODULE |
| Connector Type | HIRSCHMANN_772-717-501 |

H.S.


| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 9 | B | GROUND |
| 10 | L | BATTERY POWER SUPPLY |
| 11 | G | FUEL PUMP GROUND |
| 12 | O | FUEL PUMP CONTROL SIGNAL (PWM) |

| | |
|---|---|
| Connector No. | B150 |
| Connector Name | SUB ELECTRIC OIL PUMP RELAY |
| Connector Type | 24347_9F900 |

H.S.


| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | R | - |
| 2 | LG | - |
| 3 | R | - |
| 5 | G | - |

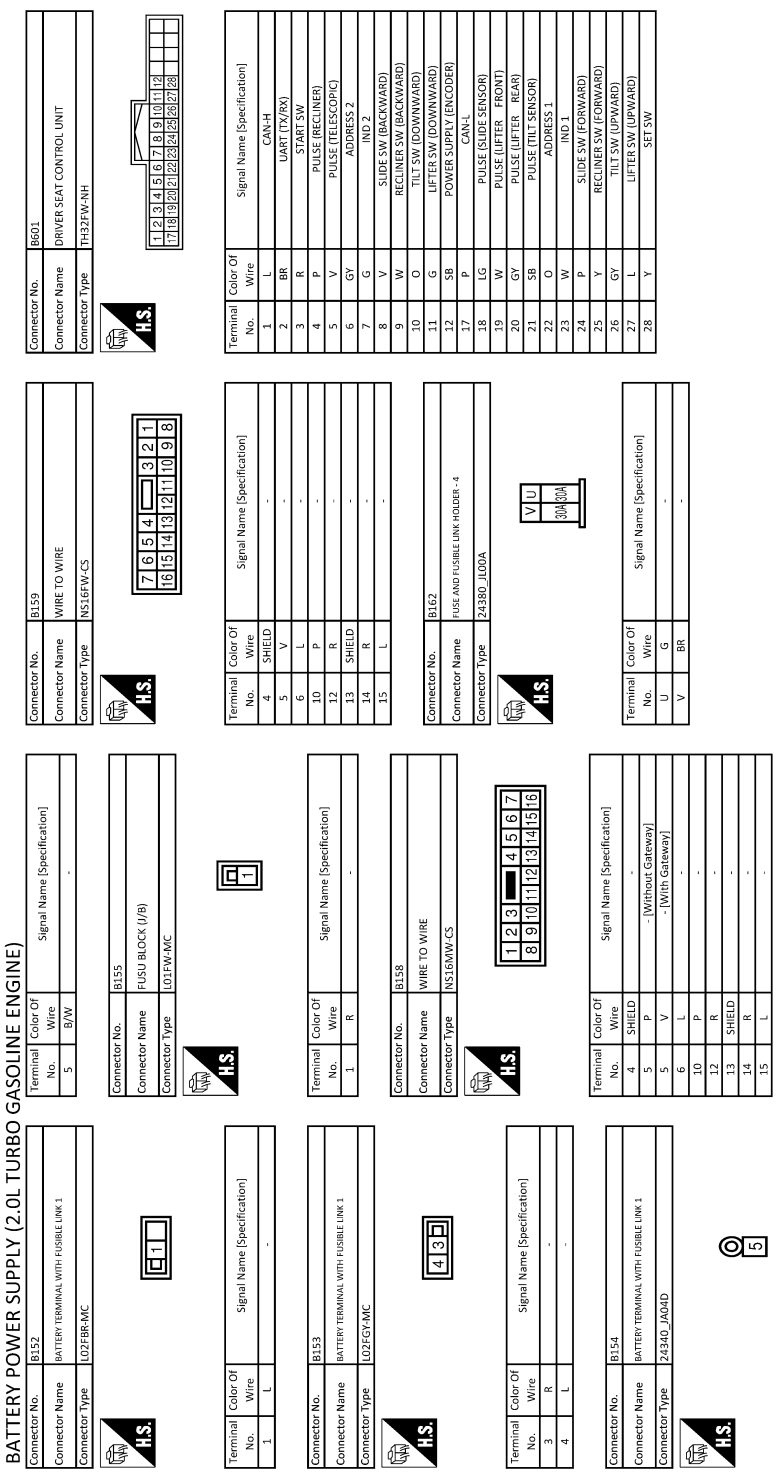
| | |
|---|---|
| Connector No. | B151 |
| Connector Name | IGNITION RELAY |
| Connector Type | MS02FL-M2-LC |

H.S.


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

JRMWJ4850GB

BATTERY POWER SUPPLY (2.0L TURBO GASOLINE ENGINE)




JRMWJ4851GB

BATTERY POWER SUPPLY (2.0L TURBO GASOLINE ENGINE)

| Connector No. | B602 |
|---|---|
| Connector Name | DRIVER SEAT CONTROL UNIT |
| Connector Type | NS12FW-CS |

H.S.

33 34 35 36
38 39 40 41 42 43

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 33 | R | BAT (PTC) |
| 34 | V | SLIDE MOTOR (BACKWARD) |
| 35 | Y | RECLINER MOTOR (FORWARD) |
| 36 | O | TILT MOTOR (DOWNWARD) |
| 38 | P | SLIDE MOTOR (FORWARD) |
| 39 | W | RECLINER MOTOR (BACKWARD) |
| 40 | GY | TILT MOTOR (UPWARD) |
| 41 | L | REAR LIFTER MOTOR (UPWARD) |
| 42 | G | REAR LIFTER MOTOR (DOWNWARD) |
| 43 | B | GND |

| Connector No. | B608 |
|---|---|
| Connector Name | LUMBAR SUPPORT SWITCH |
| Connector Type | NS04FW-CS |

H.S.

58 57 43 33

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 33 | R | - |
| 43 | B | - |
| 57 | G | - |
| 58 | Y | - |

| Connector No. | B610 |
|---|---|
| Connector Name | BACK SIDE SUPPORT ASSEMBLY |
| Connector Type | NS06FW-CS |

H.S.

55 54
33 43

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 33 | - | - |
| 43 | - | - |
| 54 | - | - |
| 55 | - | - |

| Connector No. | D4 |
|---|---|
| Connector Name | WIRE TO WIRE |
| Connector Type | NH60FW-TS12 |

H.S.

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 2 | SB | - |
| 4 | BG | - |
| 5 | R | - |
| 6 | V | - |
| 7 | LG | - |
| 8 | G | - |
| 9 | GR | - |
| 10 | Y | - |
| 11 | SHIELD | - |
| 12 | BG | - |
| 13 | L | - |
| 14 | B | - |
| 15 | Y | - |
| 16 | GR | - |
| 17 | R | - |
| 18 | GR | - |

| 19 | R | - |
|---|---|---|
| 20 | W | - |
| 21 | LG | - |
| 22 | W | - |
| 23 | L | - |
| 24 | G | - |
| 25 | BR | - |
| 26 | R | - |
| 27 | BR | - |
| 28 | V | - |
| 29 | B | - |
| 30 | W | - |
| 31 | P | - |
| 32 | Y | - |
| 33 | BR | - |
| 34 | L | - |
| 35 | R | - |
| 36 | GR | - |
| 37 | G | - |
| 40 | LG | - [Color of wire differs depending on production] |
| 40 | P | - [Color of wire differs depending on production] |
| 41 | L | - |
| 43 | BG | - |
| 44 | Y | - |
| 46 | W | - |
| 47 | R | - |
| 49 | BR | - |
| 50 | B | - |
| 52 | V | - |
| 53 | GR | - |
| 55 | GR | - [Color of wire differs depending on production] |
| 55 | SB | - [Color of wire differs depending on production] |
| 56 | BR | - |
| 57 | R | - |
| 58 | L | - |
| 59 | V | - |
| 60 | G | - |
| 61 | BG | - |
| 62 | Y | - |
| 63 | SB | - |
| 64 | B | - |
| 65 | Y | - |
| 66 | BR | - |
| 68 | Y | - |
| 69 | L | - |
| 70 | W | - |
| 71 | LG | - |
| 72 | P | - |

| Connector No. | D9 |
|---|---|
| Connector Name | SEAT MEMORY SWITCH |
| Connector Type | TH16FW-NH |

H.S.

8
2 5 6 7 9 1 4 3

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | V | - |
| 2 | BR | - |
| 3 | GR | - [Color of wire differs depending on production] |
| 3 | SB | - [Color of wire differs depending on production] |
| 4 | B | - |
| 5 | BG | - |
| 6 | W | - |
| 7 | LG | - [Color of wire differs depending on production] |
| 7 | P | - [Color of wire differs depending on production] |
| 8 | L | - |
| 9 | G | - |

| Connector No. | E3 |
|---|---|
| Connector Name | WIRE TO WIRE |
| Connector Type | TH24MW-NH |

H.S.

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

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | LG | - [With 2.0L turbo gasoline engine] |
| 1 | Y | - [With VR30 engine] |
| 2 | W | - |
| 3 | LG | - |
| 4 | P | - [With VR30 engine] |
| 4 | SB | - [With 2.0L turbo gasoline engine] |
| 5 | L | - |
| 6 | Y | - |
| 7 | LG | - |

JRMWJ4852GB

BATTERY POWER SUPPLY (2.0L TURBO GASOLINE ENGINE)

| | |
|---|---|
| 8 | BG |
| 9 | W |
| 10 | B |
| 11 | G |
| 12 | R |
| 13 | GR |
| 14 | G |
| 15 | LG |
| 15 | V |
| 16 | Y |
| 17 | P |
| 18 | BR |
| 19 | LG |
| 19 | Y |
| 20 | GR |
| 21 | R |
| 21 | V |
| 22 | L |
| 23 | P |
| 24 | B |
| 24 | BR |

| | |
|---|---|
| - | |
| - | |
| - | |
| - | |
| - | |
| - | |
| - [With 2.0L turbo gasoline engine] | |
| - [With VR30 engine] | |
| - | |
| - | |
| - | |
| - [With 2.0L turbo gasoline engine] | |
| - [With VR30 engine] | |
| - | |
| - [With 2.0L turbo gasoline engine] | |
| - [With VR30 engine] | |
| - | |
| - [With VR30 engine] | |
| - [With 2.0L turbo gasoline engine] | |

| | |
|---|---|
| Connector No. | E15 |
| Connector Name | FRONT FOG LAMP LH |
| Connector Type | FHZ02FB |

H.S.

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

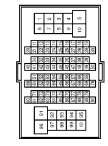
| | |
|---|---|
| Connector No. | E16 |
| Connector Name | FRONT FOG LAMP RH |
| Connector Type | FHZ02FB |

H.S.

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

| | |
|---|---|
| Connector No. | E25 |
| Connector Name | WIRE TO WIRE |
| Connector Type | TH80FW-CS16-TM4 |

H.S.



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | BG | - |
| 6 | V | - |
| 7 | L | - |
| 8 | BG | - [With VR30 engine] |
| 8 | BR | - [With 2.0L turbo gasoline engine] |
| 9 | B | - [With 2.0L turbo gasoline engine] |
| 9 | GR | - [With VR30 engine] [Color of wire differs depending on production] |
| 9 | LG | - [With VR30 engine] [Color of wire differs depending on production] |
| 10 | BR | - |
| 11 | L | - |
| 12 | GR | - [With VR30 engine] |
| 12 | P | - [With 2.0L turbo gasoline engine] |
| 13 | SHIELD | - [With 2.0L turbo gasoline engine] |
| 13 | W | - [With VR30 engine] |
| 14 | B | - |
| 15 | GR | - [With 2.0L turbo gasoline engine] |
| 15 | SB | - [With VR30 engine] |
| 16 | BR | - [With 2.0L turbo gasoline engine] |

| | |
|---|---|
| 16 | Y |
| 17 | BR |
| 17 | GR |
| 18 | G |
| 18 | P |
| 19 | Y |
| 31 | W |
| 31 | Y |
| 32 | G |
| 32 | GR |
| 33 | L |
| 33 | Y |
| 34 | P |
| 35 | GR |
| 36 | R |
| 37 | L |
| 37 | V |
| 38 | L |
| 38 | P |
| 38 | R |
| 39 | BR |
| 39 | Y |
| 40 | SB |
| 41 | LG |
| 44 | Y |
| 45 | L |
| 45 | W |
| 46 | B |
| 46 | Y |
| 47 | G |
| 48 | SHIELD |
| 49 | R |
| 50 | BR |
| 50 | GR |
| 51 | L |
| 52 | W |
| 53 | V |
| 54 | P |
| 54 | W |
| 55 | B |
| 55 | W |
| 56 | BG |
| 56 | SB |
| 57 | BG |
| 57 | W |
| 58 | B |
| 58 | B/W |
| 59 | W |
| 61 | R |
| 64 | Y |

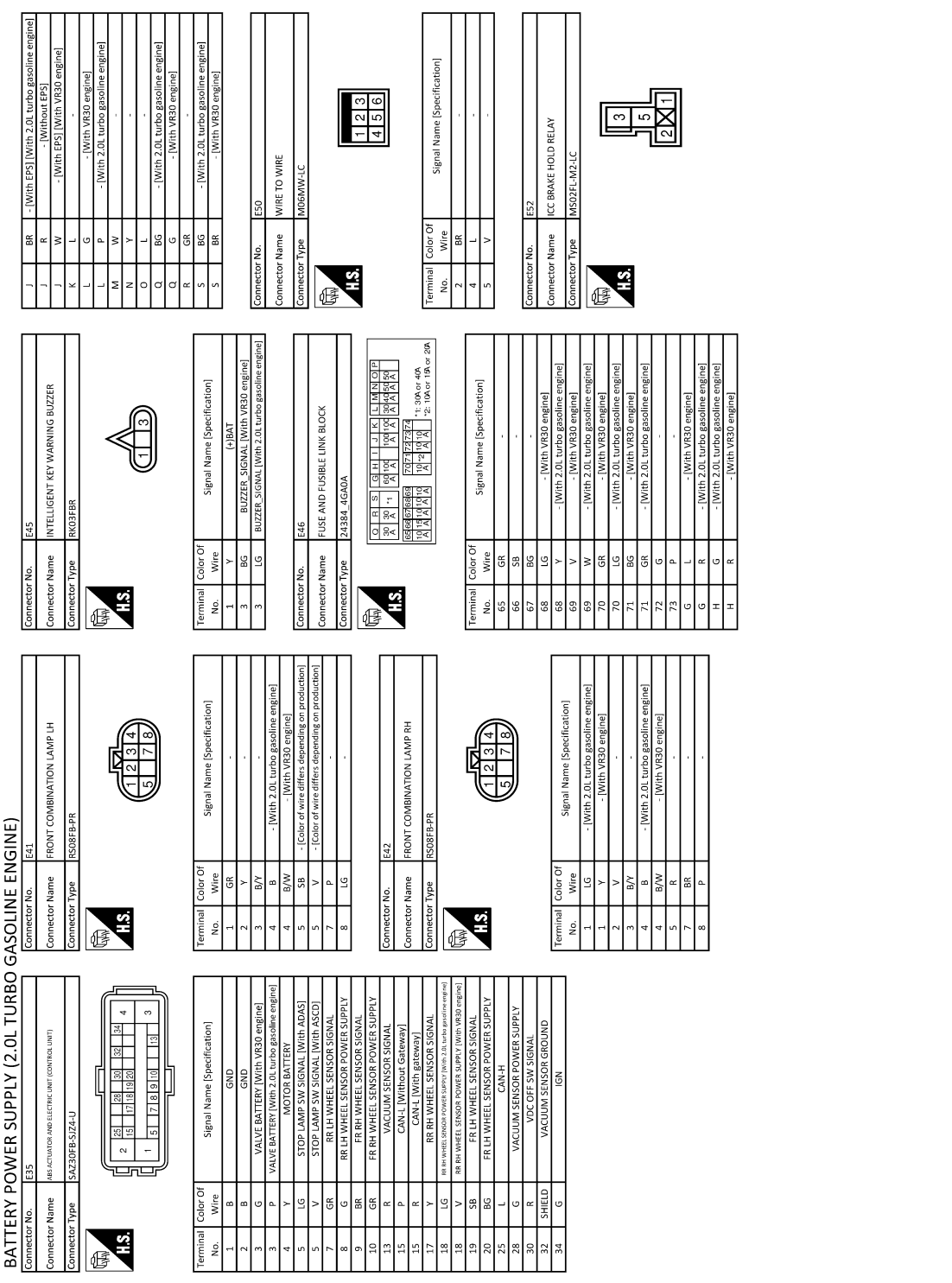
| | |
|---|---|
| - [With VR30 engine] | |
| - [With VR30 engine] | |
| - [With 2.0L turbo gasoline engine] | |
| - [With 2.0L turbo gasoline engine] | |
| - [With VR30 engine] | |
| - | |
| - [With 2.0L turbo gasoline engine] | |
| - [With VR30 engine] | |
| - [With 2.0L turbo gasoline engine] | |
| - [With VR30 engine] | |
| - [With 2.0L turbo gasoline engine] | |
| - | |
| - [With 2.0L turbo gasoline engine] | |
| - [With VR30 engine] | |
| - [With VR30 engine] | |
| - | |
| - [With 2.0L turbo gasoline engine and with gateway] | |
| - [With VR30 engine] | |
| - [With 2.0L turbo gasoline engine] | |
| - | |
| - | |
| - [With 2.0L turbo gasoline engine] | |
| - [With VR30 engine] | |
| - | |
| - | |
| - [With 2.0L turbo gasoline engine] | |
| - [With VR30 engine] | |
| - | |
| - | |
| - [With 2.0L turbo gasoline engine] | |
| - [With VR30 engine] | |
| - | |
| - | |
| - [With 2.0L turbo gasoline engine] | |
| - [With VR30 engine] | |
| - | |
| - | |
| - [With 2.0L turbo gasoline engine] | |
| - [With VR30 engine] | |
| - | |
| - | |
| - | |

| | |
|---|---|
| 65 | BR |
| 65 | GR |
| 66 | GR |
| 67 | LG |
| 68 | BG |
| 69 | L |
| 70 | R |
| 71 | G |
| 71 | LG |
| 72 | L |
| 72 | V |
| 73 | G |
| 73 | W |
| 74 | BR |
| 74 | L |
| 75 | P |
| 75 | R |
| 75 | V |
| 76 | G |
| 77 | Y |
| 78 | LG |
| 78 | P |
| 78 | V |
| 79 | SB |
| 80 | G |
| 81 | R |
| 82 | V |
| 83 | BR |
| 83 | R |
| 84 | LG |
| 86 | BG |
| 87 | G |
| 89 | LG |
| 90 | G |
| 90 | GR |
| 91 | G |
| 93 | BG |
| 94 | GR |
| 94 | L |
| 95 | BG |
| 95 | P |
| 95 | R |
| 96 | W |
| 97 | LG |
| 98 | L |
| 99 | LG |
| 99 | P |
| 100 | SHIELD |

| | |
|---|---|
| - [Color of wire differs depending on production] | |
| - [Color of wire differs depending on production] | |
| - | |
| - | |
| - | |
| - | |
| - [With 2.0L turbo gasoline engine] | |
| - [With VR30 engine] | |
| - [With 2.0L turbo gasoline engine] | |
| - [With VR30 engine] | |
| - [With 2.0L turbo gasoline engine] | |
| - [With VR30 engine] | |
| - [With 2.0L turbo gasoline engine] | |
| - [With VR30 engine] | |
| - [With 2.0L turbo gasoline engine] | |
| - [With 2.0L turbo gasoline engine and with gateway] | |
| - [With VR30 engine] | |
| - | |
| - [With 2.0L turbo gasoline engine and with ADAS] | |
| - [With VR30 engine] | |
| - [With 2.0L turbo gasoline engine and without ADAS] | |
| - | |
| - | |
| - | |
| - [With 2.0L turbo gasoline engine] | |
| - [With VR30 engine] | |
| - | |
| - | |
| - [With VR30 engine] | |
| - [With 2.0L turbo gasoline engine] | |
| - | |
| - | |
| - [With VR30 engine] | |
| - [With 2.0L turbo gasoline engine] | |
| - | |
| - | |
| - [With 2.0L turbo gasoline engine] | |
| - [With VR30 engine] | |
| - | |
| - | |
| - [With 2.0L turbo gasoline engine] | |
| - [With VR30 engine] | |
| - | |
| - | |
| - [With 2.0L turbo gasoline engine] | |
| - [With VR30 engine] | |
| - | |
| - | |

JRMWJ4853GB

## BATTERY POWER SUPPLY (2.0L TURBO GASOLINE ENGINE)

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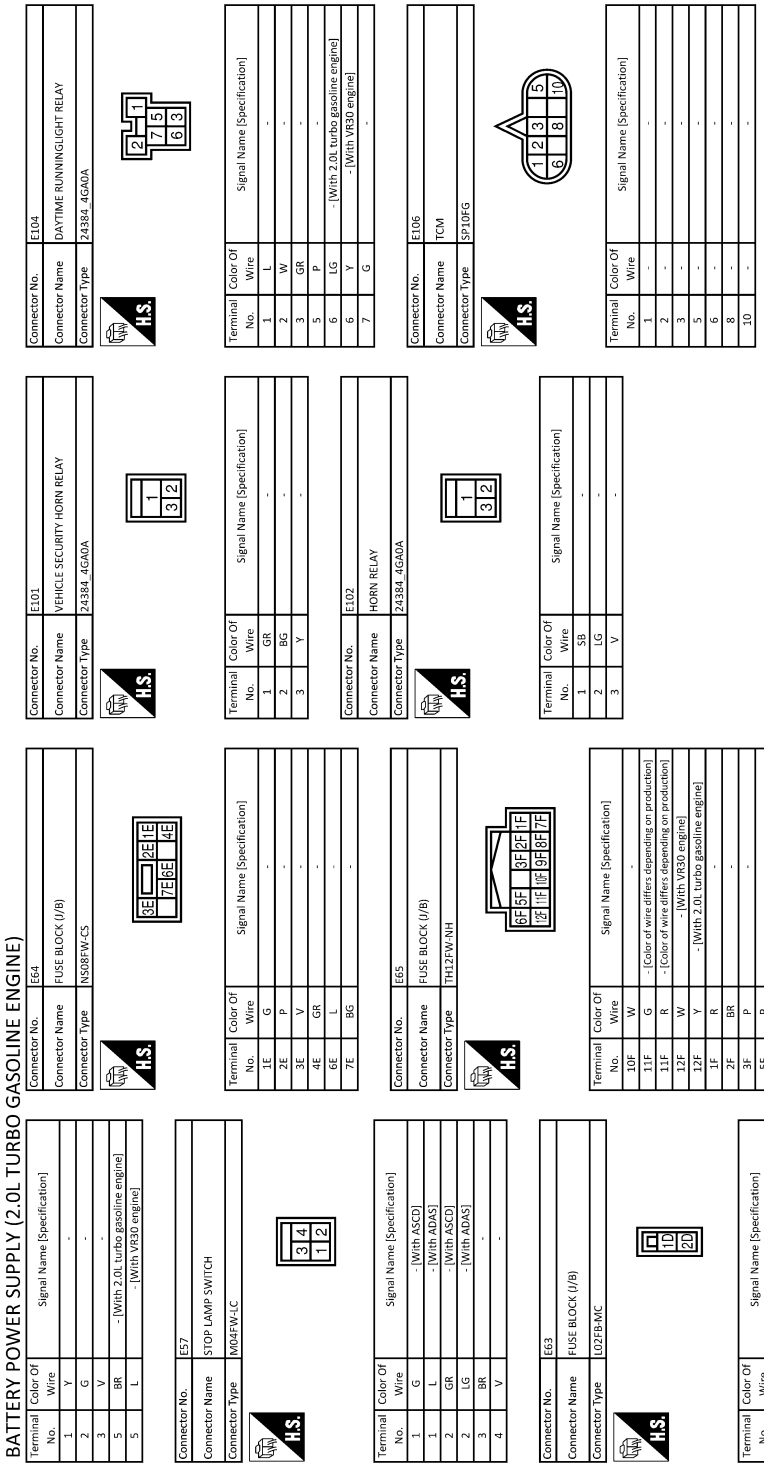
BATTERY POWER SUPPLY (2.0L TURBO GASOLINE ENGINE)




JRMWJ4855GB

BATTERY POWER SUPPLY (2.0L TURBO GASOLINE ENGINE)

| Connector No. | E118 |
|---|---|
| Connector Name | IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) |
| Connector Type | LO2FB-MC |

H.S.


| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | L | - [With 2.0L turbo gasoline engine] |
| 1 | W | - [With VR30 engine] |
| 2 | L | - [With VR30 engine] |
| 2 | R | - [With 2.0L turbo gasoline engine] |

| Connector No. | E120 |
|---|---|
| Connector Name | IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) |
| Connector Type | NS12FW-CS |

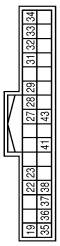
H.S.




| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 7 | B/W | - |
| 9 | P | - |
| 10 | LG | - |
| 11 | V | - |
| 13 | BG | - |
| 14 | SB | - |
| 15 | BR | - |
| 17 | GR | - |
| 18 | L | - |

| Connector No. | E121 |
|---|---|
| Connector Name | IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) |
| Connector Type | TH32FW-NH |

H.S.




| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 19 | L | - [With 2.0L turbo gasoline engine] |
| 19 | P | - [With VR30 engine] |
| 22 | BG | - |
| 23 | GR | - [With VR30 engine] |
| 23 | LG | - [With 2.0L turbo gasoline engine and without Anti theft diode] |
| 23 | P | - [With 2.0L turbo gasoline engine and with Anti theft diode] |
| 27 | GR | - |
| 28 | P | - |
| 29 | L | - |
| 31 | G | - |
| 32 | SB | - |
| 33 | SB | - |
| 34 | Y | - |
| 35 | G | - |
| 36 | SB | - [With VR30 engine] |
| 36 | W | - [With 2.0L turbo gasoline engine] |
| 37 | GR | - |
| 38 | BR | - |
| 41 | GR | - |
| 43 | V | - |

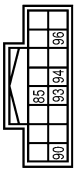
| Connector No. | E125 |
|---|---|
| Connector Name | IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) |
| Connector Type | NS08FW-CS |

H.S.


| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 74 | G | - |
| 75 | R | - |
| 76 | SB | - [Color of wire differs depending on production] |
| 76 | V | - [Color of wire differs depending on production] |
| 78 | W | - |
| 79 | L | - |
| 80 | BR | - |
| 81 | P | - |

| Connector No. | E126 |
|---|---|
| Connector Name | IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) |
| Connector Type | TH16FW-NH |

H.S.




| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 85 | L | - |
| 90 | BR | - |
| 93 | V | - |
| 94 | Y | - |
| 96 | P | - [With VR30 engine] |
| 96 | SB | - [With 2.0L turbo gasoline engine] |

| Connector No. | E159 |
|---|---|
| Connector Name | BATTERY TERMINAL WITH FUSIBLE LINK |
| Connector Type | 24340_1SU0D |

H.S.


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

| Connector No. | E173 |
|---|---|
| Connector Name | JOINT CONNECTOR-E02 |
| Connector Type | SGA28FDGY-J |

H.S.


| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | G | - [Color of wire differs depending on production] |
| 1 | R | - [Color of wire differs depending on production] |
| 3 | B | - |
| 4 | B | - |
| 5 | G | - |
| 6 | BR | - |
| 7 | B | - |
| 8 | B | - |
| 9 | G | - |
| 10 | L | - |
| 12 | B | - |
| 13 | G | - |
| 14 | BR | - |
| 17 | G | - |
| 21 | G | - |
| 25 | R | - |
| 26 | L | - |

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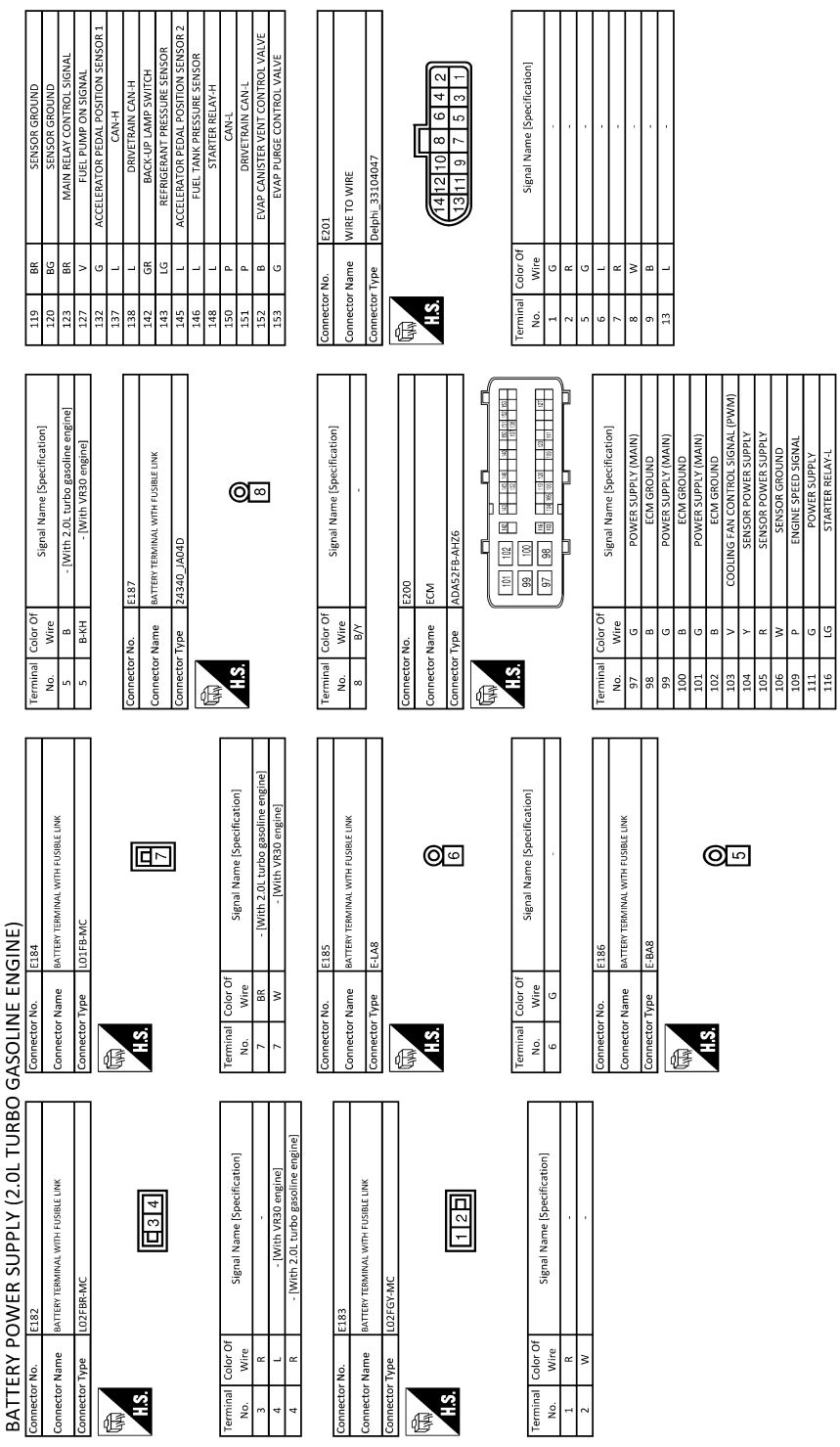
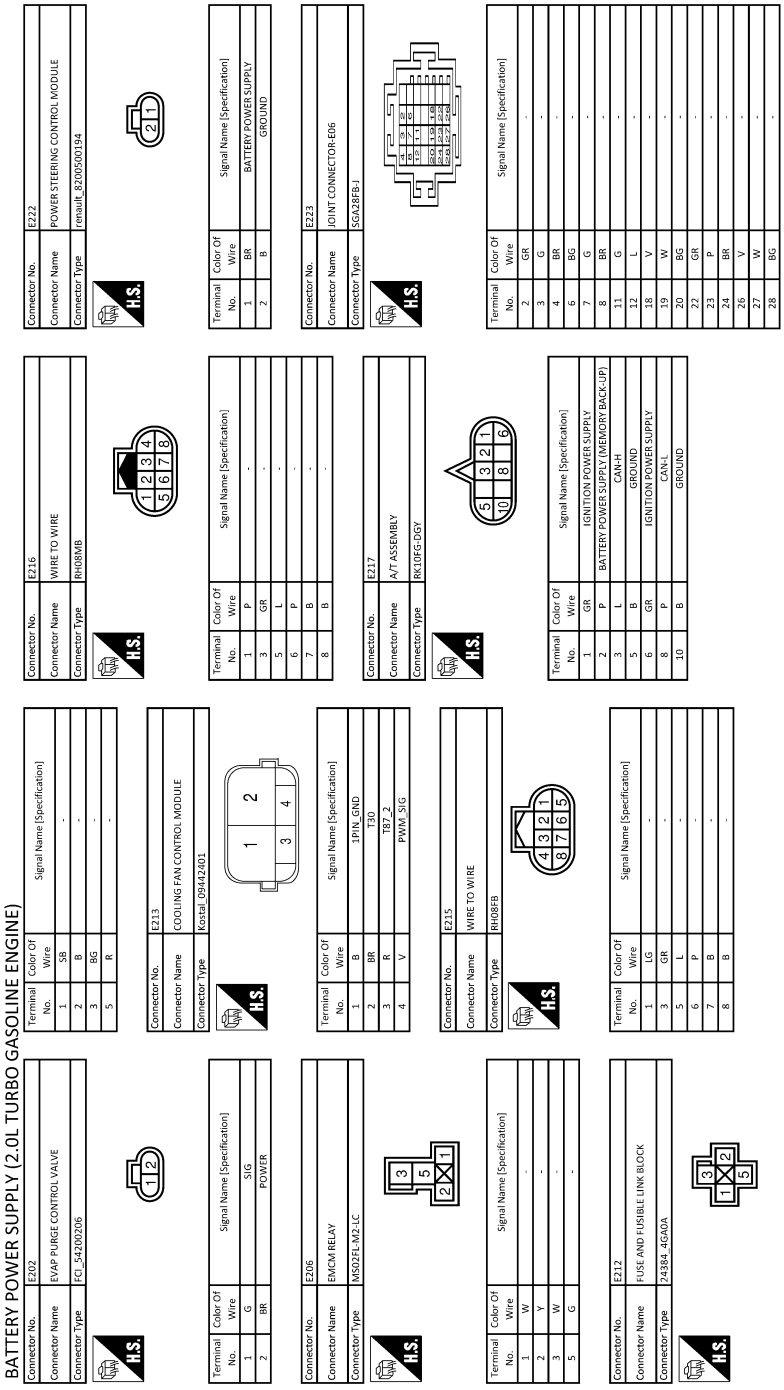
BATTERY POWER SUPPLY (2.0L TURBO GASOLINE ENGINE)

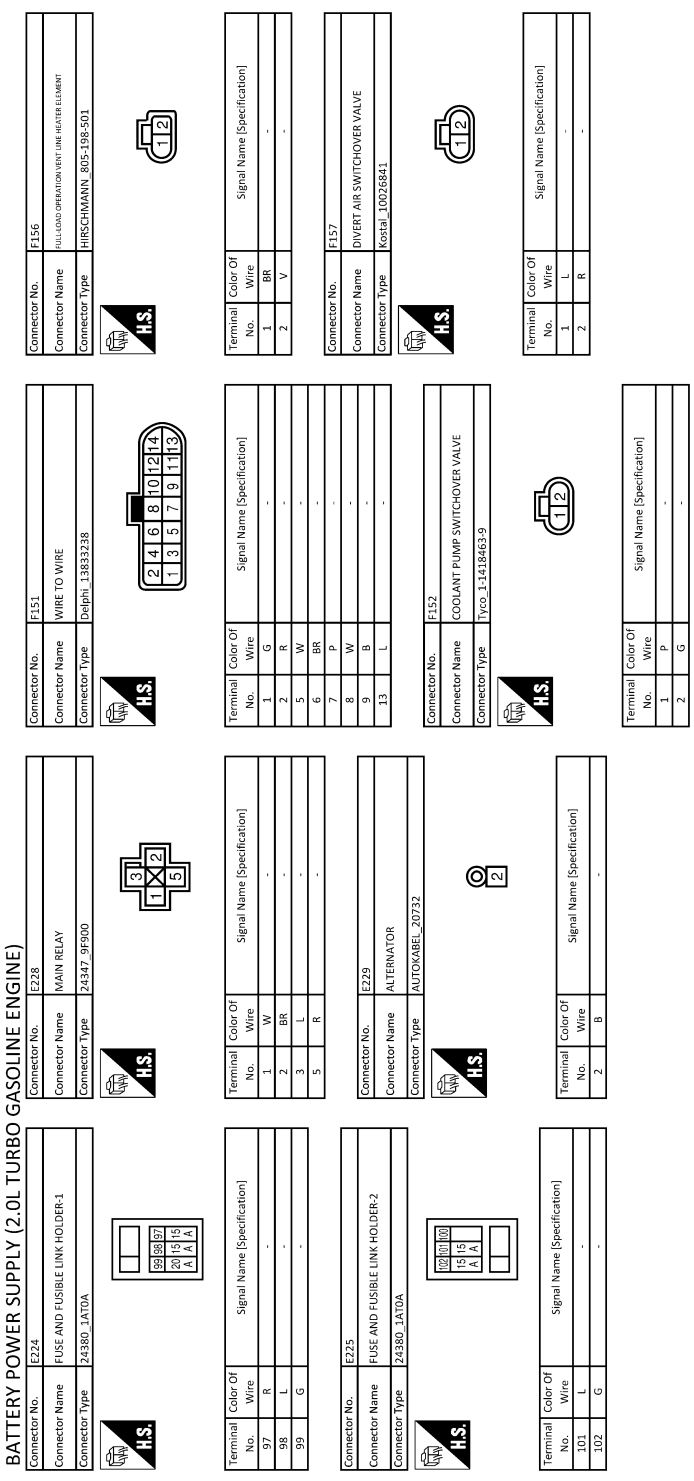



JRMWJ4857GB




JRMWJ4858GB

BATTERY POWER SUPPLY (2.0L TURBO GASOLINE ENGINE)

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BATTERY POWER SUPPLY (2.0L TURBO GASOLINE ENGINE)

| Connector No. | F159 |
|---|---|
| Connector Name | PARTIAL LOAD OPERATION CRANKCASE VENTILATION VALVE |
| Connector Type | HIRSCHMANN_805-120-507 |

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

| Connector No. | F161 |
|---|---|
| Connector Name | BOOST PRESSURE CONTROL VACCUM TRANSDUCER |
| Connector Type | Kostal_10026841 |



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

| Connector No. | F162 |
|---|---|
| Connector Name | INTAKE CAMSHAFT ACTUATOR |
| Connector Type | Kostal_10026841 |

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

| Connector No. | F163 |
|---|---|
| Connector Name | EXHAUST CAMSHAFT ACTUATOR |
| Connector Type | Kostal_10026841 |



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

| Connector No. | F166 |
|---|---|
| Connector Name | EXHAUST CAMSHAFT POSITION SENSOR |
| Connector Type | HIRSCHMANN_805-121-501 |

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

| Connector No. | F167 |
|---|---|
| Connector Name | INTAKE CAMSHAFT POSITION SENSOR |
| Connector Type | HIRSCHMANN_805-121-501 |



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

| Connector No. | F169 |
|---|---|
| Connector Name | COOLANT THERMOSTAT HEATER ELEMENT |
| Connector Type | HIRSCHMANN_805-120-507 |

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

| Connector No. | F176 |
|---|---|
| Connector Name | ENGINE OIL PUMP VALVE |
| Connector Type | HIRSCHMANN_805-120-501 |



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

JRMWJ4860GB

BATTERY POWER SUPPLY (2.0L TURBO GASOLINE ENGINE)

| Connector No. | F179 |
|---|---|
| Connector Name | IGNITION COIL No.1 |
| Connector Type | HIRSCHMANN_805-200-501 |

H.S.




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

| Connector No. | F180 |
|---|---|
| Connector Name | IGNITION COIL No.2 |
| Connector Type | HIRSCHMANN_805-200-501 |

H.S.




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

| Connector No. | F181 |
|---|---|
| Connector Name | IGNITION COIL No.3 |
| Connector Type | HIRSCHMANN_805-200-501 |

H.S.




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

| Connector No. | F182 |
|---|---|
| Connector Name | IGNITION COIL No.4 |
| Connector Type | HIRSCHMANN_805-200-501 |

H.S.




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

| Connector No. | F183 |
|---|---|
| Connector Name | HEATED OXYGEN SENSOR |
| Connector Type | Tyco_1843355-2 |

H.S.




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

| Connector No. | F184 |
|---|---|
| Connector Name | AIR FUEL RATIO (A/F) SENSOR 1 |
| Connector Type | Kostal_09442111 |

H.S.




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

| Connector No. | M1 |
|---|---|
| Connector Name | INTEGRAL SWITCH |
| Connector Type | TH24FW-NH |

H.S.




| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 2 | R | ILLUMINATION SIGNAL |
| 3 | LG | AV COMM (L) |
| 4 | SB | AV COMM (H) |
| 7 | W/B | DISK EJECT SIGNAL |
| 8 | G | HAZERD SIGNAL |
| 13 | B | GND |
| 14 | SB | ACC [For 2.0L turbo gasoline engine] |
| 14 | V | ACC [For VR30 engine] |
| 15 | B | ILLUMINATION CONTROL SIGNAL |
| 16 | BG | DISK EJECT SIGNAL GROUND |
| 18 | R | IGN [For VR30 engine] |
| 18 | W | IGN [For 2.0L turbo gasoline engine] |
| 19 | BR | CAMERA SWITCH SIGNAL |
| 20 | LG | AIR BAG INDICATOR OFF SIGNAL |

| Connector No. | M7 |
|---|---|
| Connector Name | A/T SHIFT SELECTOR |
| Connector Type | TH12FW-NH |

H.S.




| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | SB | - |
| 2 | GR | - |
| 3 | BG | - |
| 4 | B | - |
| 5 | G | - |
| 7 | R | - |

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BATTERY POWER SUPPLY (2.0L TURBO GASOLINE ENGINE)

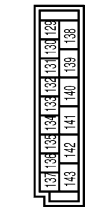
| | | |
|---|---|---|
| 8 | P | - [With VR30 engine] |
| 8 | V | - [With 2.0L turbo gasoline engine] |
| 9 | B | - |
| 10 | GR | - |
| 11 | R | - |

| | |
|---|---|
| Connector No. | M13 |
| Connector Name | BCM (BODY CONTROL MODULE) |
| Connector Type | TH40FG-NH |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | R | PUSH SW |
| 3 | Y | SENS PWR SPLY |
| 4 | BG | OPTICAL SENSOR |
| 5 | LG | - |
| 10 | W | COMBI SW OUTPUT 5 |
| 11 | SB | COMBI SW OUTPUT 4 |
| 12 | L | COMBI SW OUTPUT 3 |
| 13 | G | COMBI SW OUTPUT 2 |
| 14 | P | COMBI SW OUTPUT 1 |
| 15 | G | ONE TOUCH UNLK SENS [DR] |
| 16 | G | ONE TOUCH UNLK SENS [PASS] |
| 17 | P | RECEIVER/SENSOR GND |
| 18 | L | SECURITY IND LAMP CONT |
| 20 | R | DETENT SW |
| 21 | SB | STEP LAMP CONT |
| 25 | R | STOP LAMP SW2 |
| 26 | R | EXTENDED STORAGE FUSE SW |
| 27 | P | STOP LAMP SW |
| 30 | W | DR DOOR UNLK SENS |
| 33 | V | TR LID OP CANCEL SW |
| 36 | G | HAZARD SW |
| 39 | BR | P/N POSITION |

| | |
|---|---|
| Connector No. | M17 |
| Connector Name | BCM (BODY CONTROL MODULE) |
| Connector Type | FEA09FW-FHA6-SA |



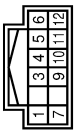
| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 129 | LG | INT ROOM LAMP PWR SPLY |
| 130 | P | PASS DOOR UNLK OUTPUT |
| 131 | Y | BAT (FUSE) |
| 132 | V | RR, RL DOOR LK OUTPUT |
| 133 | BR | RR, RL DOOR UNLK OUTPUT |
| 134 | B | GND |
| 135 | V | FRONT DOOR, FL LID LK OUTPUT |
| 136 | V | INT ROOM LAMP CONT |
| 137 | LG | FRONT DOOR, FL LID UNLK OUTPUT |
| 138 | P | REAR DOORS ACT PWR SPLY [With VR30 engine] |
| 138 | R | REAR DOORS ACT PWR SPLY [With 2.0L turbo gasoline engine] |
| 139 | W | BAT (F/L) |
| 140 | BR | IGN ON |
| 141 | R | PWR SPLY (BAT) |
| 142 | R | FRONT DOORS, FL LID ACT PWR SPLY |
| 143 | B | GND |

| | |
|---|---|
| Connector No. | M19 |
| Connector Name | WIRE TO WIRE |
| Connector Type | TH80MW-CS16-TM4 |

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

| | | |
|---|---|---|
| 5 | Y | - |
| 6 | R | - |
| 7 | W | - |
| 8 | V | - |
| 10 | BG | - |
| 11 | BR | - |
| 12 | LG | - |
| 13 | GR | - |
| 14 | R | - |
| 15 | L | - |
| 16 | V | - |
| 18 | W | - |
| 19 | BR | - |
| 20 | W | - |
| 22 | SB | - |
| 23 | R | - |
| 24 | R | - [With 2.0L turbo gasoline engine] |
| 24 | Y | - [With VR30 engine] |
| 25 | P | - [With 2.0L turbo gasoline engine] |
| 25 | W | - [With VR30 engine] |
| 26 | G | - |
| 27 | R | - |
| 28 | R | - |
| 31 | BR | - |
| 32 | B | - |
| 33 | B | - |
| 34 | V | - |
| 35 | P | - |
| 36 | W | - |
| 37 | SB | - |
| 38 | LG | - |
| 40 | P | - |
| 41 | G | - |
| 42 | BR | - |
| 43 | BR | - |
| 44 | BR | - |
| 46 | BG | - |
| 50 | W | - |
| 51 | Y | - |
| 52 | V | - |
| 53 | LG | - |
| 54 | R | - |
| 55 | R | - |
| 57 | W | - |
| 58 | V | - |
| 59 | BG | - |
| 60 | G | - |
| 61 | G | - |
| 62 | BG | - |
| 63 | BR | - |
| 64 | Y | - |
| 66 | R | - |
| 70 | LG | - |
| 71 | W | - |
| 72 | B | - |
| 73 | W | - |
| 74 | L | - |
| 75 | W | - |
| 76 | BR | - |
| 77 | B | - |
| 78 | SB | - |
| 79 | P | - [With VR30 engine] |
| 79 | W | - [With 2.0L turbo gasoline engine] |
| 81 | B | - |
| 82 | R | - |
| 83 | BG | - |
| 84 | L | - |
| 85 | W | - |
| 86 | B | - |
| 88 | G | - |
| 89 | V | - [With 2.0L turbo gasoline engine] |
| 89 | W | - [With VR30 engine] |
| 91 | GR | - |
| 94 | GR | - |
| 96 | W | - |
| 97 | V | - |
| 98 | BR | - [With VR30 engine and with BOSE system] |
| 98 | Y | - [Except with VR30 engine and with BOSE system] |

| | |
|---|---|
| Connector No. | M24 |
| Connector Name | CAN GATEWAY |
| Connector Type | TH12FW-NH |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | L | CAN-H (CAN COMMUNICATION CIRCUIT 1) |
| 3 | W | BATTERY POWER SUPPLY |
| 4 | L | CAN-H (CAN COMMUNICATION CIRCUIT 2) |
| 5 | B | GROUND |
| 6 | L | CAN-H (CAN COMMUNICATION CIRCUIT 2) |
| 7 | P | CAN-L (CAN COMMUNICATION CIRCUIT 1) |

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BATTERY POWER SUPPLY (2.0L TURBO GASOLINE ENGINE)

| 9 | R |
|---|---|
| 9 | W |
| 10 | R |
| 11 | B |
| 12 | R |

IGNITION POWER SUPPLY [With VR30 engine and without ISS]
IGNITION POWER SUPPLY [Except with VR30 engine and without ISS]
CAN-L (CAN COMMUNICATION CIRCUIT 2)
GROUND
CAN-L (CAN COMMUNICATION CIRCUIT 2)

| Connector No. | M25 |
|---|---|
| Connector Name | DATA LINK CONNECTOR |
| Connector Type | BD16FW |

H.S.

| 11 | 12 | 13 | 14 | 16 |
|---|---|---|---|---|
| 3 | 4 | 5 | 6 | 7 | 8 |

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 3 | LG | M_CAN_L |
| 4 | B | EARTH |
| 5 | B | EARTH |
| 6 | L | CAN-H |
| 7 | V | K-LINE [With 2.0L turbo gasoline engine] |
| 7 | W | K-LINE [With VR30 engine] |
| 8 | W | IGN_SW |
| 11 | SB | M_CAN_H |
| 12 | R | CAN-L |
| 13 | L | CAN-H |
| 14 | P | CAN-L |
| 16 | W | POWER |

| Connector No. | M33 |
|---|---|
| Connector Name | WIRE TO WIRE |
| Connector Type | NH60MW-TS12 |

H.S.

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

| 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 |
| 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 |
| 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 |
| 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 2 | W | - |
| 4 | G | - |
| 5 | G | - |
| 6 | R | - |
| 7 | R | - |
| 8 | GR | - |
| 9 | GR | - |
| 10 | W | - |
| 11 | SHIELD | - |
| 12 | P | - |
| 13 | SB | - |
| 14 | LG | - |
| 15 | Y | - |
| 16 | Y | - |
| 17 | P | - |
| 18 | W/B | - |
| 19 | LG | - [With DRPO] |
| 19 | Y | - [Without DRPO] |
| 20 | V | - |
| 21 | B | - |
| 22 | BG | - [Without DRPO] |
| 22 | G | - [With DRPO] |
| 23 | L | - |
| 24 | Y | - |
| 25 | BG | - [Without DRPO] |
| 25 | L | - [With DRPO] |
| 26 | Y | - |
| 27 | GR | - |
| 28 | V | - |
| 29 | B | - |
| 30 | W | - |
| 31 | B | - |
| 32 | SB | - |
| 33 | L | - |
| 34 | BR | - |
| 35 | LG | - |
| 36 | W | - |
| 37 | B | - |
| 40 | P | - |
| 41 | SB | - |
| 43 | W | - [Except with VR30 engine and without ISS] |
| 43 | Y | - [With VR30 engine and without ISS] |
| 44 | BG | - |
| 46 | BR | - |
| 47 | G | - |
| 49 | V | - |
| 50 | B | - |
| 52 | BR | - |

| 53 | B |
|---|---|
| 55 | BG |
| 56 | LG |
| 57 | V |
| 58 | R |
| 59 | G |
| 60 | L |
| 61 | G |
| 62 | R |
| 63 | V |
| 64 | B |
| 65 | R |
| 66 | BR |
| 68 | P |
| 69 | V |
| 70 | W |
| 71 | LG |
| 72 | V |

| Connector No. | M35 |
|---|---|
| Connector Name | DRIVE MODE SELECT SWITCH |
| Connector Type | TH08FW-NH |

H.S.

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

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

| Connector No. | M38 |
|---|---|
| Connector Name | PUSH-BUTTON IGNITION SWITCH |
| Connector Type | TH08FW-NH |

H.S.

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

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

| Connector No. | M40 |
|---|---|
| Connector Name | WIRE TO WIRE |
| Connector Type | TH80MW-CS16-TM4 |

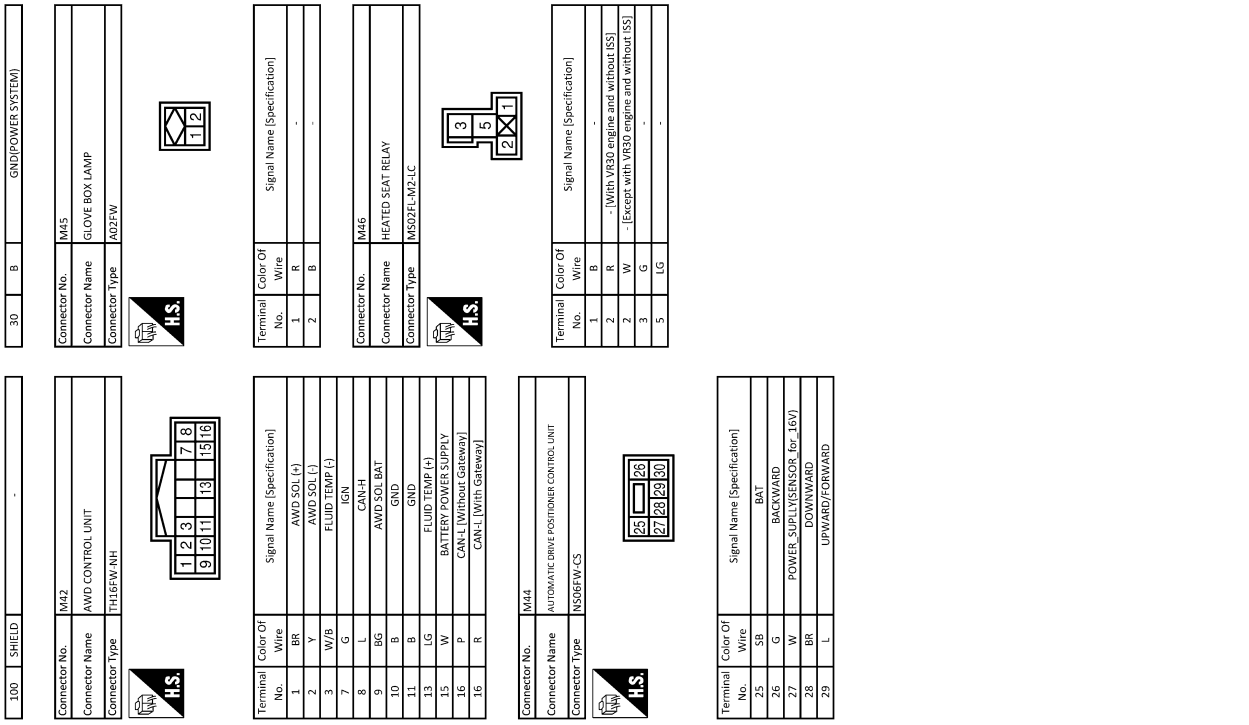
H.S.

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | BG | - |
| 6 | W/B | - |
| 7 | V | - |
| 8 | BG | - [With VR30 engine] |
| 8 | BR | - [With 2.0L turbo gasoline engine] |
| 9 | LG | - [With VR30 engine] |
| 9 | P | - [With 2.0L turbo gasoline engine] |
| 10 | W | - |
| 11 | W | - [With VR30 engine] |
| 11 | Y | - [With 2.0L turbo gasoline engine] |
| 12 | B | - [With VR30 engine] |
| 12 | BR | - [With 2.0L turbo gasoline engine] |
| 13 | GR | - [With VR30 engine] |
| 13 | SHIELD | - [With 2.0L turbo gasoline engine] |

JRMWJ4863GB

BATTERY POWER SUPPLY (2.0L TURBO GASOLINE ENGINE)

| | | |
|---|---|---|
| 14 | B | - |
| 15 | BG | - [With 2.0L turbo gasoline engine] |
| 15 | SB | - [With VR30 engine] |
| 16 | B | - [With VR30 engine] |
| 16 | BR | - [With 2.0L turbo gasoline engine] |
| 17 | LG | - |
| 18 | B | - [With VR30 engine] |
| 18 | W/B | - [With 2.0L turbo gasoline engine] |
| 19 | Y | - |
| 31 | W | - |
| 32 | G | - [With 2.0L turbo gasoline engine] |
| 32 | V | - [With VR30 engine] |
| 33 | L | - [With VR30 engine] |
| 33 | Y | - [With 2.0L turbo gasoline engine] |
| 34 | P | - [With VR30 engine] |
| 35 | BG | - |
| 36 | G | - [With VR30 engine] |
| 37 | B | - [With 2.0L turbo gasoline engine] |
| 37 | L | - [With VR30 engine] |
| 38 | L | - [With 2.0L turbo gasoline engine and without gateway] |
| 38 | P | - [With 2.0L turbo gasoline engine and with gateway] |
| 38 | R | - [With 2.0L turbo gasoline engine and with gateway] |
| 39 | R | - [With 2.0L turbo gasoline engine] |
| 39 | Y | - [With VR30 engine] |
| 40 | GR | - |
| 41 | L | - |
| 44 | BR | - |
| 45 | L | - [With 2.0L turbo gasoline engine] |
| 45 | W | - [With VR30 engine] |
| 46 | G | - [With VR30 engine] |
| 46 | Y | - [With 2.0L turbo gasoline engine] |
| 47 | BG | - [With 2.0L turbo gasoline engine] |
| 47 | R | - [With VR30 engine] |
| 48 | SHIELD | - |
| 49 | B | - [With VR30 engine] |
| 49 | G | - [With 2.0L turbo gasoline engine] |
| 50 | B | - [With 2.0L turbo gasoline engine] |
| 50 | BR | - [With VR30 engine] |
| 51 | L | - |
| 52 | W | - |
| 53 | G | - |
| 54 | SB | - [With 2.0L turbo gasoline engine] |
| 54 | Y | - [With VR30 engine] |
| 55 | B | - [With 2.0L turbo gasoline engine] |
| 55 | P | - [With VR30 engine] |
| 56 | BG | - [With VR30 engine] |
| 56 | GR | - [With 2.0L turbo gasoline engine] |
| 57 | GR | - [With VR30 engine] |
| 57 | P | - [With 2.0L turbo gasoline engine] |
| 58 | B | - |
| 59 | SB | - |
| 61 | W/B | - |
| 64 | Y | - |
| 65 | R | - |
| 66 | P | - [Color of wire differs depending on production] |
| 66 | V | - [Color of wire differs depending on production] |
| 67 | LG | - |
| 68 | BG | - |
| 69 | L | - |
| 70 | R | - |
| 71 | V | - [With VR30 engine] |
| 71 | W | - [With 2.0L turbo gasoline engine] |
| 72 | L | - [With 2.0L turbo gasoline engine] |
| 72 | LG | - [With VR30 engine] |
| 73 | R | - [With VR30 engine] |
| 73 | W | - [With 2.0L turbo gasoline engine] |
| 74 | BR | - [With VR30 engine] |
| 74 | L | - [With 2.0L turbo gasoline engine] |
| 75 | B | - [With VR30 engine] |
| 75 | P | - [With 2.0L turbo gasoline engine and without gateway] |
| 75 | R | - [With 2.0L turbo gasoline engine and with gateway] |
| 76 | W/B | - |
| 77 | SB | - |
| 78 | G | - [With VR30 engine] |
| 78 | LG | - [With 2.0L turbo gasoline engine] |
| 79 | R | - |
| 80 | G | - |
| 81 | R | - |
| 82 | LG | - |
| 83 | BR | - [With 2.0L turbo gasoline engine] |
| 83 | R | - [With VR30 engine] |
| 84 | V | - |
| 86 | V | - |
| 87 | G | - |
| 89 | V | - |
| 90 | G | - [With VR30 engine] |
| 90 | V | - [With 2.0L turbo gasoline engine] |
| 91 | W | - [With 2.0L turbo gasoline engine] |
| 92 | G | - |
| 93 | BR | - |
| 94 | GR | - [With VR30 engine] |
| 94 | L | - [With 2.0L turbo gasoline engine] |
| 95 | BR | - [With VR30 engine] |
| 95 | P | - [With 2.0L turbo gasoline engine and without gateway] |
| 95 | R | - [With 2.0L turbo gasoline engine and with gateway] |
| 96 | W | - |
| 97 | LG | - |
| 98 | Y | - |
| 99 | BR | - [With VR30 engine] |
| 99 | LG | - [With 2.0L turbo gasoline engine] |

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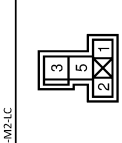
BATTERY POWER SUPPLY (2.0L TURBO GASOLINE ENGINE)

| Connector No. | M48 |
|---|---|
| Connector Name | HEATED STEERING WHEEL RELAY |
| Connector Type | MS02FL-M2-LC |

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

| Connector No. | M58 |
|---|---|
| Connector Name | COMBINATION METER |
| Connector Type | TH12FW-NH |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 41 | L | CAN-H |
| 42 | P | CAN-L |
| 43 | B | ILLUMINATION CONTROL SIGNAL |
| 44 | Y | FUEL LEVEL SENSOR GROUND |
| 45 | W | BATTERY POWER SUPPLY |
| 46 | BG | IGNITION SIGNAL [Except with VR30 engine and without ISS] |
| 46 | R | IGNITION SIGNAL [With VR30 engine and without ISS] |
| 47 | SB | AV COMMUNICATION SIGNAL [H] |
| 48 | LG | AV COMMUNICATION SIGNAL [L] |
| 51 | BR | FUEL LEVEL SENSOR SIGNAL |
| 52 | B | GROUND |

| Connector No. | M59 |
|---|---|
| Connector Name | METER CONTROL SWITCH |
| Connector Type | TH08FW-NH |

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | R | - |
| 2 | B | - |
| 4 | BR | - |
| 5 | SB | - |
| 6 | V | - |
| 7 | GR | - |

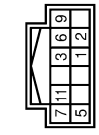
| Connector No. | M60 |
|---|---|
| Connector Name | NAVI CONTROL UNIT |
| Connector Type | TH28FW |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | Y | BAT |
| 3 | B | GND |
| 5 | SB | ACC [Except for VR30 engine and with ISS] |
| 5 | V | ACC [For VR30 engine and with ISS] |
| 7 | R | VEHICLE SPEED SIGNAL [8-PULSE] |
| 12 | G | MICROPHONE SIGNAL |
| 13 | SHIELD | SHIELD |
| 14 | W | VOICE GUIDANCE SIGNAL OUTPUT (+) |
| 15 | Y | BAT |
| 17 | B | GND |
| 19 | R | IGN [For VR30 engine and with ISS] |
| 19 | W | IGN [Except for VR30 engine and with ISS] |
| 21 | BR | REVERSE SIGNAL |
| 26 | R | MICROPHONE SIGNAL GND |

| 27 | SHIELD | SHIELD |
|---|---|---|
| 28 | B | VOICE GUIDANCE SIGNAL OUTPUT (-) |

| Connector No. | M80 |
|---|---|
| Connector Name | TRIPLE SWITCH |
| Connector Type | TH12FB-NH |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | L | - |
| 2 | W | - |
| 3 | R | - |
| 5 | B | - |
| 6 | R | - |
| 7 | B | - |
| 9 | R | INDICATOR+ |
| 11 | GR | INDICATOR- |

| Connector No. | M86 |
|---|---|
| Connector Name | COMBINATION SWITCH (SPIRAL CABLE) |
| Connector Type | TK06FY-EX-1V |

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 23 | R | - |
| 26 | B | - |
| 28 | Y/R | - |
| 29 | Y | - |
| 30 | Y/B | - |
| 34 | LG | - |

| Connector No. | M88 |
|---|---|
| Connector Name | A/C AUTO AMP. |
| Connector Type | TH40FW-NH |

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | L | CAN-H |
| 2 | B | GROUND |
| 3 | W | BATTERY POWER SUPPLY |
| 7 | G | AMBIENT SENSOR SIGNAL |
| 9 | R | SUNLOAD SENSOR SIGNAL |
| 13 | SB | ACC POWER SUPPLY [With 2.0L turbo gasoline engine] |
| 13 | V | ACC POWER SUPPLY [With VR30 engine] |
| 16 | P | LIN SIGNAL |
| 17 | R | DOOR MOTOR POWER SUPPLY |
| 18 | P | BLOWER MOTOR CONTROL SIGNAL |
| 20 | L | HEATED STEERING WHEEL RELAY CONTROL SIGNAL |
| 21 | P | CAN-L |
| 22 | B | GROUND |
| 23 | R | IGNITION POWER SUPPLY [With VR30 engine and with ISS] |
| 23 | W | IGNITION POWER SUPPLY [Except with VR30 engine and with ISS] |
| 26 | B | SENSOR GROUND |
| 27 | LG | IN-VEHICLE SENSOR SIGNAL |
| 28 | BR | INTAKE SENSOR SIGNAL |
| 30 | BG | EXHAUST GAS / OUTSIDE ODOR DETECTING SENSOR SIGNAL |
| 37 | B | GROUND |
| 38 | BG | IONIZER (ON/OFF) CONTROL SIGNAL |
| 40 | BG | ECV CONTROL SIGNAL |

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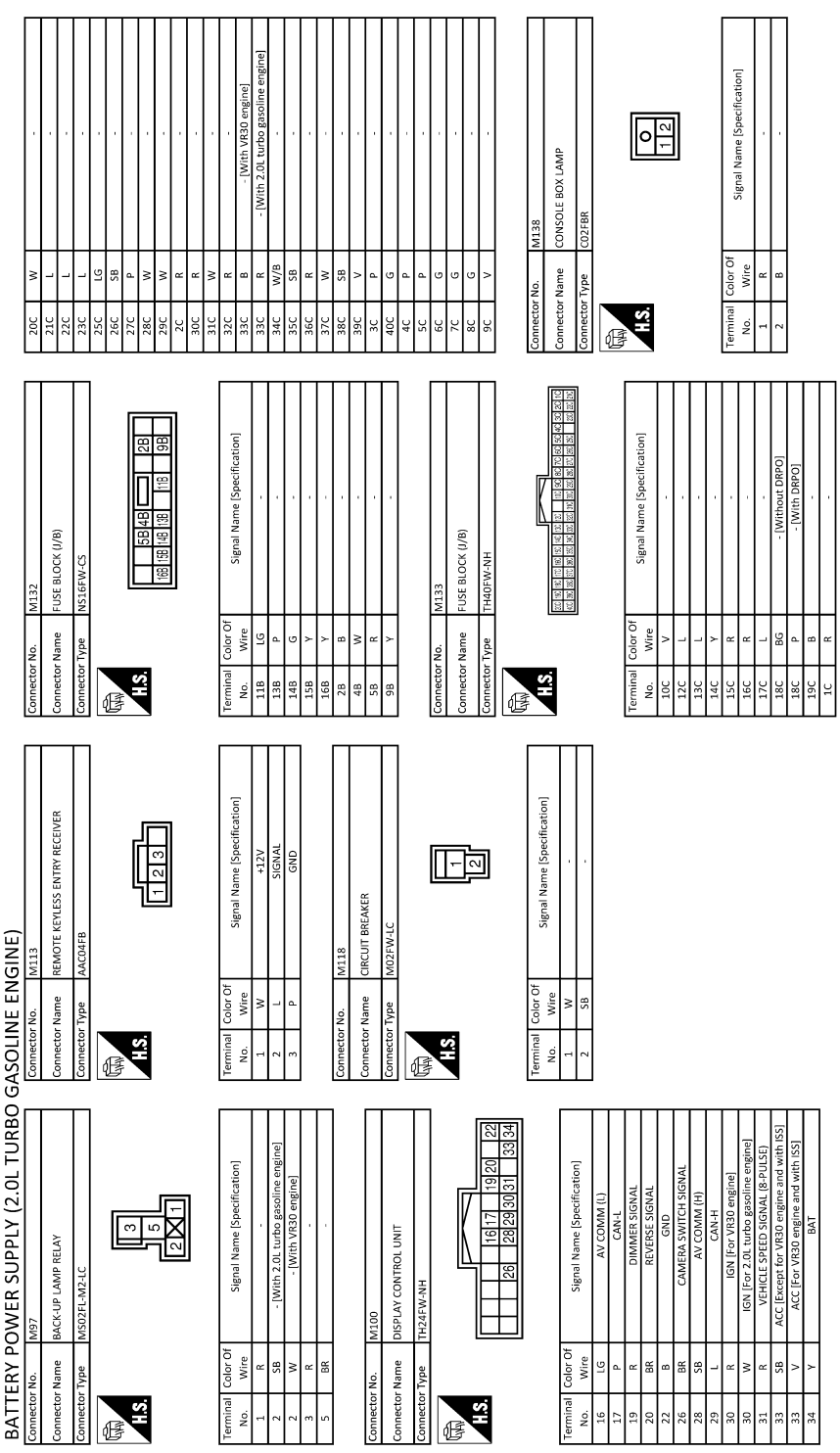
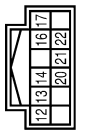
BATTERY POWER SUPPLY (2.0L TURBO GASOLINE ENGINE)




JRMWJ4866GB

BATTERY POWER SUPPLY (2.0L TURBO GASOLINE ENGINE)

| Connector No. | M143 |
|---|---|
| Connector Name | EXTERNAL DATA INPUT BOX |
| Connector Type | TH12FW-NH |

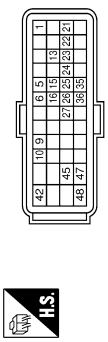


| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 12 | W | AUX SOUND SIGNAL LH |
| 13 | R | AUX_AUDIO- |
| 14 | B | AUX SOUND SIGNAL RH |
| 16 | B | GND |
| 17 | Y | BAT |
| 20 | L | AUX IMAGE SIGNAL (+) |
| 21 | V | AUX IMAGE SIGNAL (-) |
| 22 | SB | ACC [Except with VR30 engine and with ISS] |
| 22 | V | ACC [With VR30 engine and with ISS] |

| Connector No. | M144 |
|---|---|
| Connector Name | TCU |
| Connector Type | TH40FB-NH |

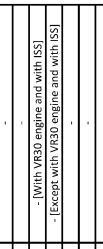
| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | Y | BAT |
| 2 | SB | ACC [For 2.0L turbo gasoline engine] |
| 2 | V | ACC [For VR30 engine] |
| 3 | SB | ACC OUTPUT |
| 5 | BR | SOS SWITCH LED SIGNAL |
| 6 | L | CAN-H |
| 7 | P | CAN-L |
| 10 | R | IGN [For VR30 engine] |
| 10 | W | IGN [For 2.0L turbo gasoline engine] |
| 11 | SHIELD | MICROPHONE SIGNAL GND |
| 12 | R | MICROPHONE OUTPUT SIGNAL |
| 16 | SHIELD | SHIELD |
| 17 | G | MICROPHONE SIGNAL |
| 18 | L | MICROPHONE VCC |
| 26 | SB | AV COMM (H) |
| 27 | LG | AV COMM (L) |
| 28 | B | GROUND |
| 29 | B | GROUND |
| 30 | SHIELD | SHIELD |
| 31 | B | SOUND SIGNAL (+) |
| 32 | W | SOUND SIGNAL (-) |
| 37 | G | SOS CALL SWITCH SIGNAL |

| Connector No. | M147 |
|---|---|
| Connector Name | EMCM |
| Connector Type | RH40FB-RZ8-R-LH-Z |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | Y | EMCM RELAY CONTROL (SSOFF) |
| 5 | L | IGNITION SWITCH |
| 6 | LG | STOP LAMP SWITCH |
| 9 | L | CAN-H |
| 10 | P | CAN-L |
| 13 | W | STOP/START OFF SWITCH |
| 15 | Y | SENSOR POWER SUPPLY [MAIN BATTERY CURRENT/TEMPERATURE SENSOR] |
| 16 | W | SENSOR POWER SUPPLY [SUB BATTERY CURRENT/TEMPERATURE SENSOR] |
| 21 | V | SUB BATTERY RELAY CONTROL |
| 22 | G | ENGINE RESTART BYPASS CONTROL RELAY |
| 23 | BR | BRAKE PEDAL POSITION SWITCH |
| 24 | GR | MAIN BATTERY CURRENT SENSOR |
| 25 | BG | MAIN BATTERY TEMPERATURE SENSOR |
| 26 | R | SUB BATTERY CURRENT SENSOR |
| 27 | BR | SUB BATTERY TEMPERATURE SENSOR |
| 35 | SB | SENSOR GROUND [MAIN BATTERY CURRENT/TEMPERATURE SENSOR] |
| 36 | G | SENSOR GROUND [SUB BATTERY CURRENT/TEMPERATURE SENSOR] |
| 42 | G | EMCM POWER SUPPLY |
| 45 | R | SUB BATTERY VOLTAGE MONITOR |
| 47 | B | EMCM GROUND |
| 48 | B | EMCM GROUND |

| Connector No. | M159 |
|---|---|
| Connector Name | WIRE TO WIRE |
| Connector Type | TH40FW-NH |

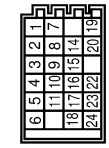


| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | G | - |
| 2 | B | - |
| 3 | BR | - |
| 4 | R | - |
| 5 | GR | - |
| 6 | R | - [With VR30 engine and with ISS] |
| 6 | W | - [Except with VR30 engine and with ISS] |
| 7 | L | - |
| 9 | SHIELD | - |
| 10 | W | - |
| 11 | R | - |
| 12 | L | - |
| 13 | G | - |
| 14 | Y | - |
| 15 | B | - |
| 17 | B | - |
| 19 | R | - |
| 20 | BG | - [Except with VR30 engine and with BOSE system] |
| 20 | BR | - [With VR30 engine and with BOSE system] |
| 21 | R | - |
| 22 | G | - |
| 24 | B | - |
| 25 | W | - |
| 26 | R | - |
| 27 | P | - |
| 28 | B | - |
| 29 | G | - |
| 30 | L | - |
| 31 | W | - |
| 32 | W | - |
| 33 | L | - |
| 36 | V | - |
| 38 | LG | - |
| 40 | W | - |

| Connector No. | M163 |
|---|---|
| Connector Name | AV CONTROL UNIT |
| Connector Type | N+18FW-CS2 |

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | SHIELD | SHIELD |
| 2 | L | SOUND SIGNAL FRONT LH (+) |
| 3 | R | SOUND SIGNAL FRONT LH (-) |
| 4 | LG | SOUND SIGNAL REAR LH (+) |
| 5 | SB | SOUND SIGNAL REAR LH (-) |
| 7 | SB | ACC [Except for VR30 engine and with ISS] |
| 7 | V | ACC [For VR30 engine and with ISS] |
| 8 | W/B | DISK EJECT SIGNAL |
| 9 | BG | DISK EJECT SIGNAL GND |
| 10 | SHIELD | SHIELD |
| 11 | LG | SOUND SIGNAL FRONT RH (+) |
| 12 | P | SOUND SIGNAL FRONT RH (-) |
| 13 | L | SOUND SIGNAL REAR RH (+) |
| 14 | P | SOUND SIGNAL REAR RH (-) |
| 19 | Y | BAT |
| 20 | B | GND |

| Connector No. | M171 |
|---|---|
| Connector Name | JOINT CONNECTOR-M01 |
| Connector Type | 24342_4GA2A |



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

JRMWJ4867GB

BATTERY POWER SUPPLY (2.0L TURBO GASOLINE ENGINE)

| | | |
|---|---|---|
| 5 | B | - |
| 6 | B | - |
| 7 | B | - |
| 8 | B | - |
| 9 | B | - |
| 10 | G | - |
| 11 | G | - |
| 14 | B | - |
| 15 | B | - |
| 16 | SB | - [With VR30 engine] |
| 16 | Y | - [With 2.0L turbo gasoline engine] |
| 17 | SB | - [With VR30 engine] |
| 17 | Y | - [With 2.0L turbo gasoline engine] |
| 18 | SB | - [With VR30 engine] |
| 18 | Y | - [With 2.0L turbo gasoline engine] |
| 19 | G | - |
| 20 | G | - |
| 22 | LG | - [With VR30 engine] |
| 22 | SB | - [With 2.0L turbo gasoline engine] |
| 23 | LG | - [With VR30 engine] |
| 23 | SB | - [With 2.0L turbo gasoline engine] |
| 24 | LG | - [With VR30 engine] |
| 24 | SB | - [With 2.0L turbo gasoline engine] |

| | |
|---|---|
| Connector No. | M178 |
| Connector Name | JOINT CONNECTOR-M08 |
| Connector Type | NH20FW-DC |

H.S.

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

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | R | - |
| 2 | R | - |
| 7 | B | - |
| 8 | B | - |
| 9 | B | - |
| 10 | B | - [With VR30 engine] |
| 10 | W | - [With 2.0L turbo gasoline engine] |
| 11 | B | - [With VR30 engine] |
| 11 | W | - [With 2.0L turbo gasoline engine] |
| 12 | B | - [With VR30 engine] |
| 12 | W | - [With 2.0L turbo gasoline engine] |
| 13 | B | - [With VR30 engine] |
| 13 | W | - [With 2.0L turbo gasoline engine] |
| 14 | B | - |
| 15 | B | - [With VR30 engine] |
| 15 | W | - [With 2.0L turbo gasoline engine] |
| 17 | BR | - |
| 18 | BR | - |
| 20 | BR | - |

| | |
|---|---|
| Connector No. | R4 |
| Connector Name | MAP LAMP |
| Connector Type | TH08FW-1V-NH |

H.S.

| 1 | 2 | 3 | | | 6 | 7 | 8 |
|---|---|---|---|---|---|---|---|

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | R | - |
| 2 | L | - |
| 3 | BR | - |
| 6 | B | - |
| 7 | SB | - |
| 8 | BG | - |

| | |
|---|---|
| Connector No. | R5 |
| Connector Name | RAIN SENSOR |
| Connector Type | AA803FB |

H.S.

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

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

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

H.S.

| 4 | | | 6 |
|---|---|---|---|
| 10 | 9 | 8 | |

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 4 | BG | - |
| 6 | GR | - |
| 8 | B | - |
| 9 | BR | - |
| 10 | BG | - [Color of wire differs depending on production] |
| 10 | P | - [Color of wire differs depending on production] |

| | |
|---|---|
| Connector No. | R9 |
| Connector Name | AUTO ANTI-DAZZLING INSIDE MIRROR |
| Connector Type | TH12FW-NH-B |

H.S.

| 6 | | 4 | 3 | |
|---|---|---|---|---|
| 12 | 11 | 10 | 9 | |

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 3 | B | GROUND |
| 4 | BG | AUTO ANTI-DAZZLING OUTSIDE MIRROR CONTROL SIGNAL |
| 6 | GR | IGNITION POWER SUPPLY |
| 9 | BR | AUTO ANTI-DAZZLING OUTSIDE MIRROR GROUND |
| 10 | BG | BATTERY POWER SUPPLY [Color of wire differs depending on production] |
| 10 | P | BATTERY POWER SUPPLY [Color of wire differs depending on production] |
| 11 | GR | CAN-L |
| 12 | BR | CAN-H |

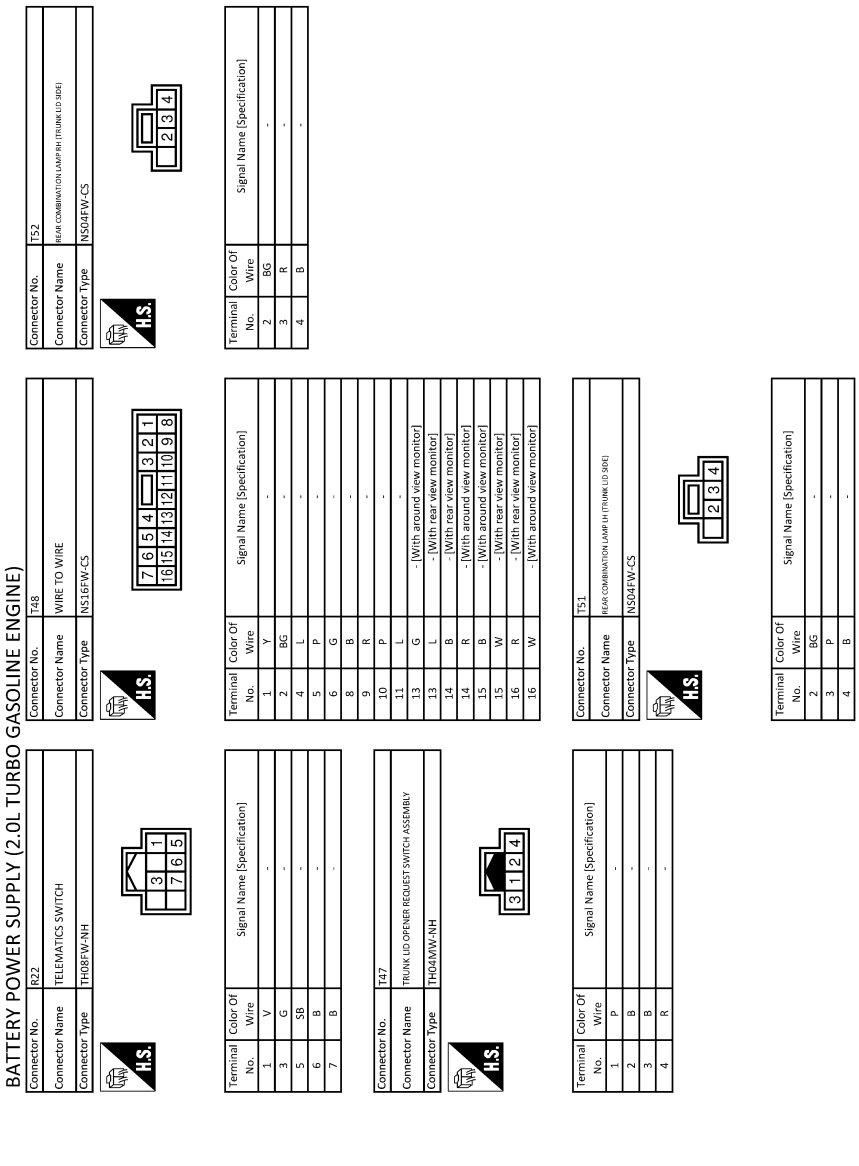
| | |
|---|---|
| Connector No. | R15 |
| Connector Name | WIRE TO WIRE |
| Connector Type | TH40MW-NH |

H.S.

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | G | - |
| 2 | LG | - |
| 3 | BR | - |
| 4 | V | - |
| 5 | BG | - |
| 6 | GR | - |
| 7 | BR | - |
| 9 | SHIELD | - |
| 10 | GR | - |
| 11 | R | - |
| 12 | L | - |
| 13 | G | - |
| 14 | Y | - |
| 15 | B | - |
| 17 | SB | - |
| 19 | BG | - |
| 20 | BG | - [Without BOSE system] |
| 20 | BR | - [With BOSE system] |
| 21 | R | - |
| 22 | G | - |
| 24 | B | - |
| 25 | BG | - [Color of wire differs depending on production] |
| 25 | P | - [Color of wire differs depending on production] |
| 26 | BR | - |
| 27 | GR | - |
| 28 | B | - |
| 29 | R | - |
| 30 | L | - |
| 31 | V | - |
| 32 | W | - |
| 33 | L | - |
| 36 | BR | - |
| 38 | SB | - |
| 40 | W | - |

JRMWJ4868GB



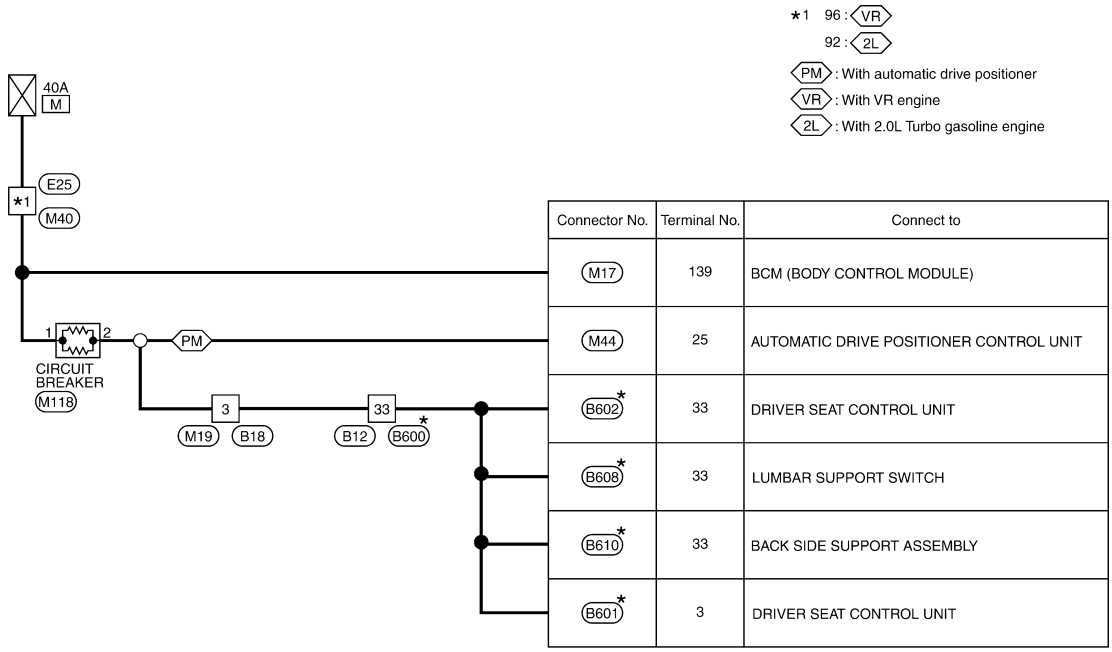

JRMWJ4869GB

## 2.0L TURBO GASOLINE ENGINE : Wiring Diagram - BATTERY POWER SUPPLY

# FUSIBLE LINK No. M -

INFOID:0000000013358778

## BATTERY POWER SUPPLY FUSIBLE LINK No. M




| Connector No. | Terminal No. | Connect to |
|---|---|---|
| M17 | 139 | BCM (BODY CONTROL MODULE) |
| M44 | 25 | AUTOMATIC DRIVE POSITIONER CONTROL UNIT |
| B602* | 33 | DRIVER SEAT CONTROL UNIT |
| B608* | 33 | LUMBAR SUPPORT SWITCH |
| B610* | 33 | BACK SIDE SUPPORT ASSEMBLY |
| B601* | 3 | DRIVER SEAT CONTROL UNIT |

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

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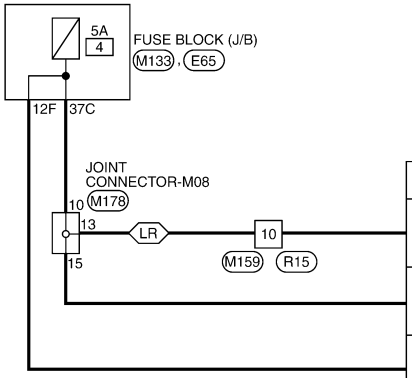
## 2.0L TURBO GASOLINE ENGINE : Wiring Diagram - BATTERY POWER SUPPLY

## FUSE No. 4 -

INFOID:0000000013358779

### BATTERY POWER SUPPLY FUSE No. 4 (2.0L TURBO GASOLINE ENGINE)

LR : With rain sensor




| Connector No. | Terminal No. | Connect to |
|---|---|---|
| R5 | 1 | RAIN SENSOR |
| M25 | 16 | DATA LINK CONNECTOR |
| E45 | 1 | INTELLIGENT KEY WARNING BUZZER |

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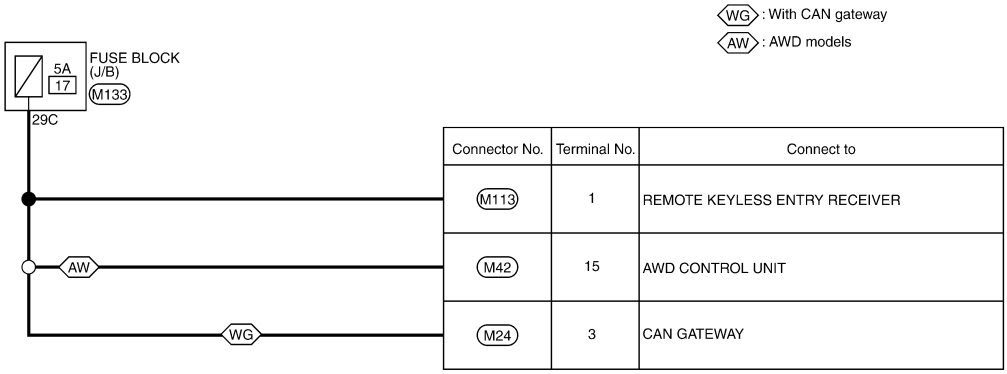
## 2.0L TURBO GASOLINE ENGINE : Wiring Diagram - BATTERY POWER SUPPLY

## FUSE No. 17 -

INFOID:0000000013358783

BATTERY POWER SUPPLY FUSE No. 17




| Connector No. | Terminal No. | Connect to |
|---|---|---|
| M113 | 1 | REMOTE KEYLESS ENTRY RECEIVER |
| M42 | 15 | AWD CONTROL UNIT |
| M24 | 3 | CAN GATEWAY |

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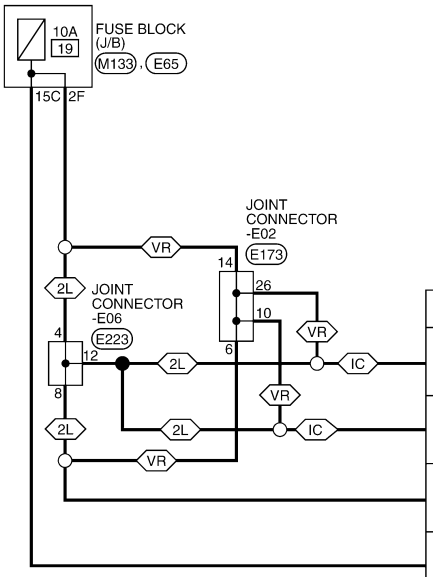
## 2.0L TURBO GASOLINE ENGINE : Wiring Diagram - BATTERY POWER SUPPLY

## FUSE No. 19 -

INFOID:0000000013358784

BATTERY POWER SUPPLY FUSE No. 19

IC : With ICC
VR : With VR engine
2L : 2.0L Turbo gasoline engine




| Connector No. | Terminal No. | Connect to |
|---|---|---|
| E52 | 5 | ICC BRAKE HOLD RELAY |
| E57 | 1 | STOP LAMP SWITCH |
| E57 | 3 | STOP LAMP SWITCH |
| M13 | 25 | BCM (BODY CONTROL MODULE) |

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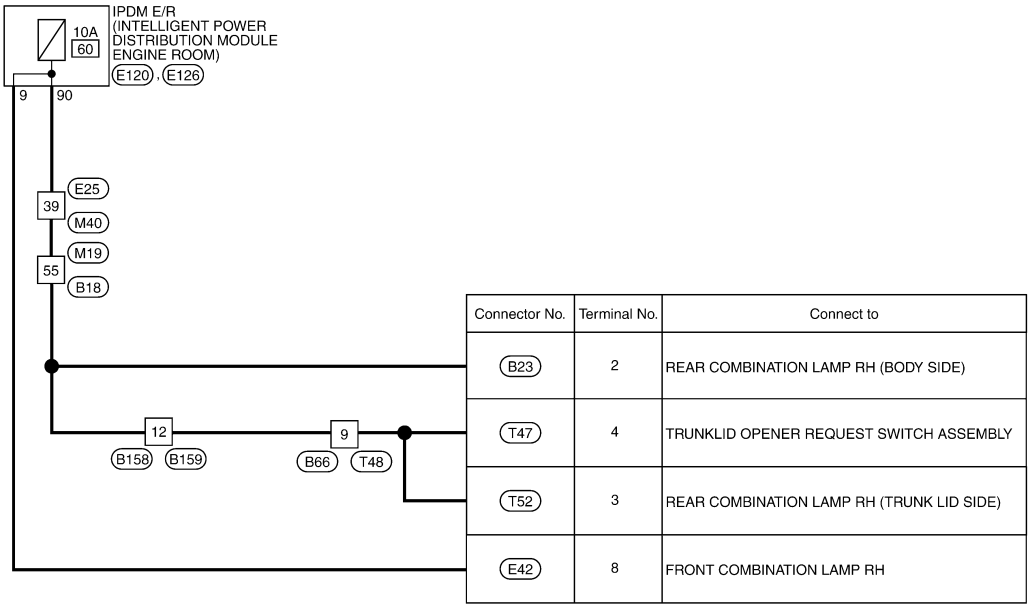
## 2.0L TURBO GASOLINE ENGINE : Wiring Diagram - BATTERY POWER SUPPLY

# FUSE No. 60 -

INFOID:0000000013358788

BATTERY POWER SUPPLY FUSE No. 60 (2.0L TURBO GASOLINE ENGINE)




| Connector No. | Terminal No. | Connect to |
|---|---|---|
| B23 | 2 | REAR COMBINATION LAMP RH (BODY SIDE) |
| T47 | 4 | TRUNKLID OPENER REQUEST SWITCH ASSEMBLY |
| T52 | 3 | REAR COMBINATION LAMP RH (TRUNK LID SIDE) |
| E42 | 8 | FRONT COMBINATION LAMP RH |

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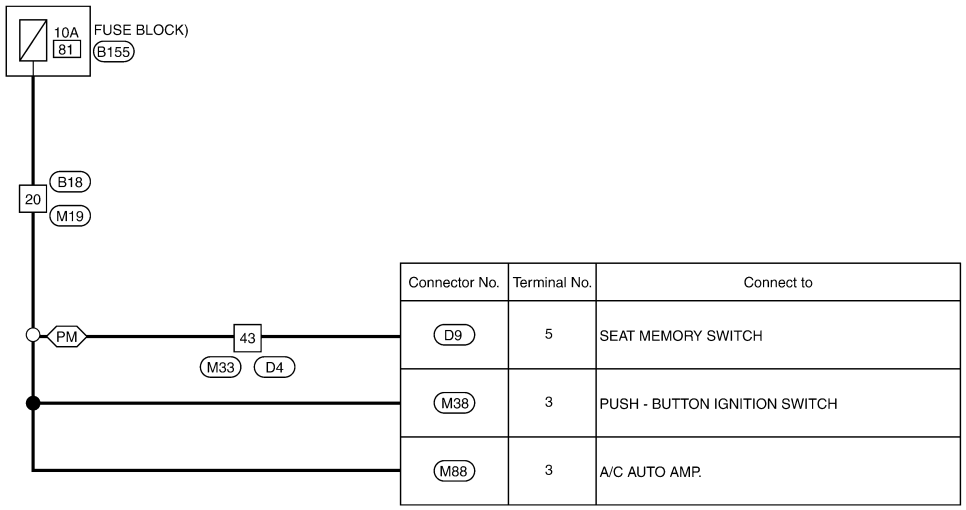
## 2.0L TURBO GASOLINE ENGINE : Wiring Diagram - BATTERY POWER SUPPLY

# FUSE No. 81 -

INFOID:0000000013358825

## BATTERY POWER SUPPLY FUSE No. 81 (2.0L TURBO GASOLINE ENGINE)

PM : With automatic drive positioner




| Connector No. | Terminal No. | Connect to |
|---|---|---|
| D9 | 5 | SEAT MEMORY SWITCH |
| M38 | 3 | PUSH - BUTTON IGNITION SWITCH |
| M88 | 3 | A/C AUTO AMP. |

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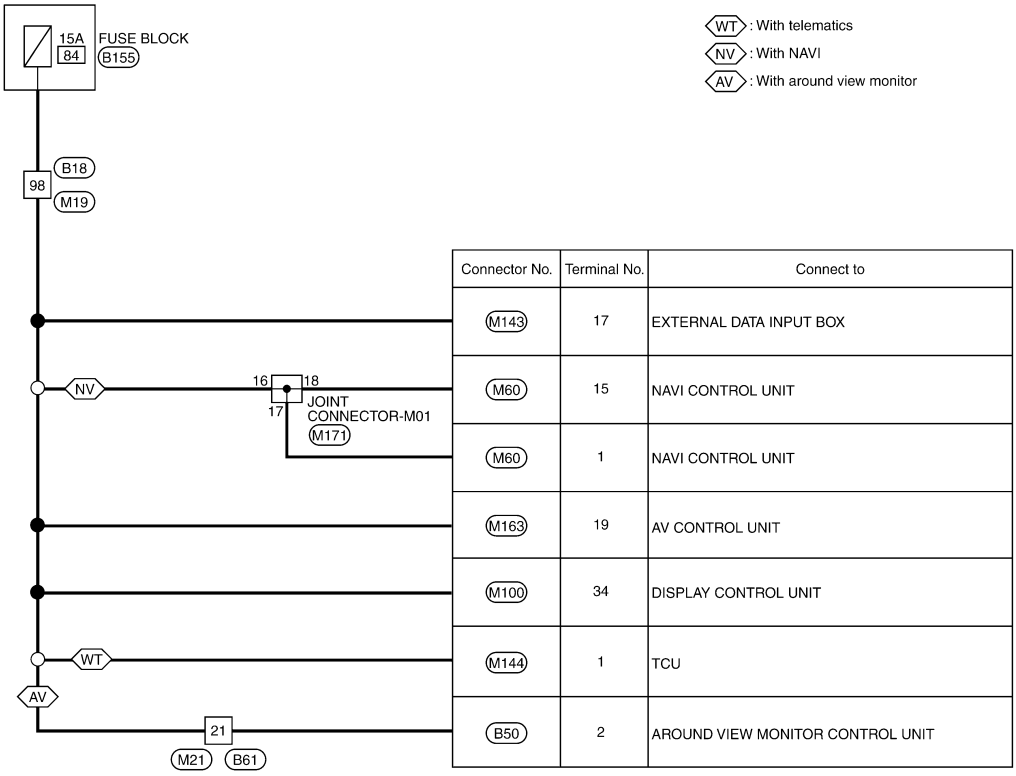
# 2.0L TURBO GASOLINE ENGINE : Wiring Diagram - BATTERY POWER SUPPLY

# FUSE No. 84 -

INFOID:0000000013358826

## BATTERY POWER SUPPLY FUSE No. 84 (2.0L TURBO GASOLINE ENGINE)




| Connector No. | Terminal No. | Connect to |
|---|---|---|
| M143 | 17 | EXTERNAL DATA INPUT BOX |
| M60 | 15 | NAVI CONTROL UNIT |
| M60 | 1 | NAVI CONTROL UNIT |
| M163 | 19 | AV CONTROL UNIT |
| M100 | 34 | DISPLAY CONTROL UNIT |
| M144 | 1 | TCU |
| B50 | 2 | AROUND VIEW MONITOR CONTROL UNIT |

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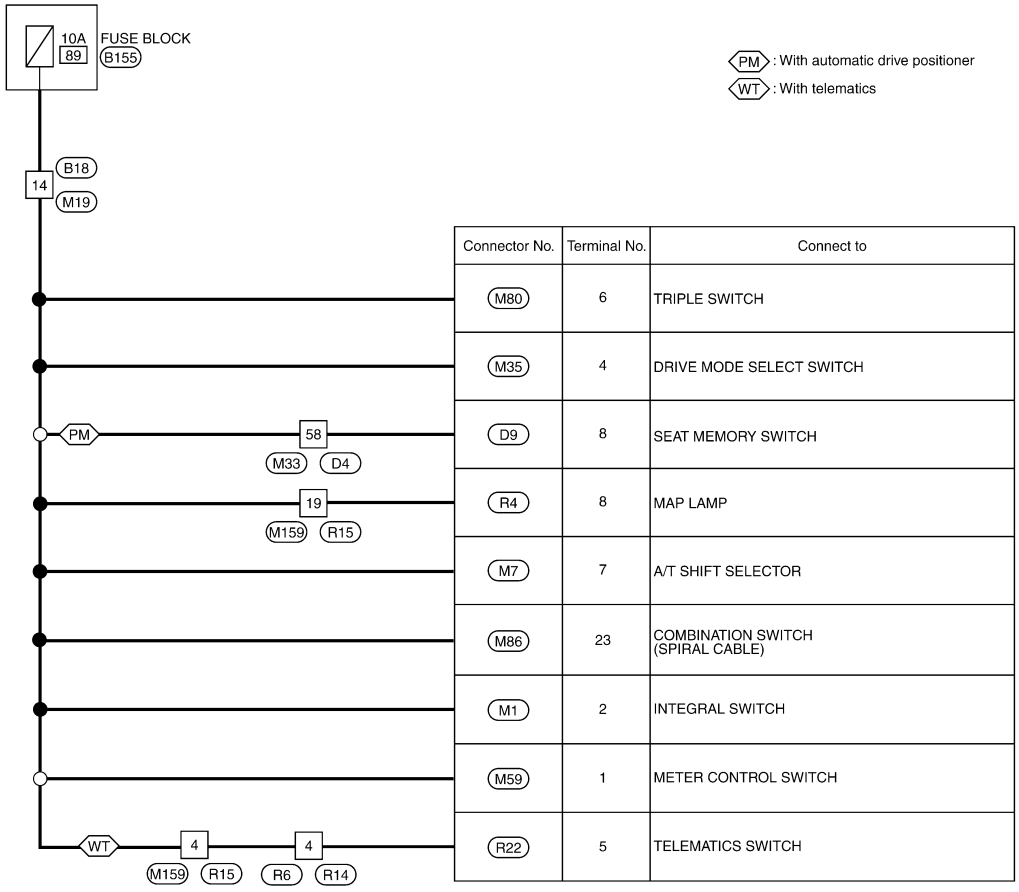
## 2.0L TURBO GASOLINE ENGINE : Wiring Diagram - BATTERY POWER SUPPLY

# FUSE No. 89 -

INFOID:0000000013358827

## BATTERY POWER SUPPLY FUSE No. 89 (2.0L TURBO GASOLINE ENGINE)




| Connector No. | Terminal No. | Connect to |
|---|---|---|
| M80 | 6 | TRIPLE SWITCH |
| M35 | 4 | DRIVE MODE SELECT SWITCH |
| D9 | 8 | SEAT MEMORY SWITCH |
| R4 | 8 | MAP LAMP |
| M7 | 7 | A/T SHIFT SELECTOR |
| M86 | 23 | COMBINATION SWITCH (SPIRAL CABLE) |
| M1 | 2 | INTEGRAL SWITCH |
| M59 | 1 | METER CONTROL SWITCH |
| R22 | 5 | TELEMATICS SWITCH |

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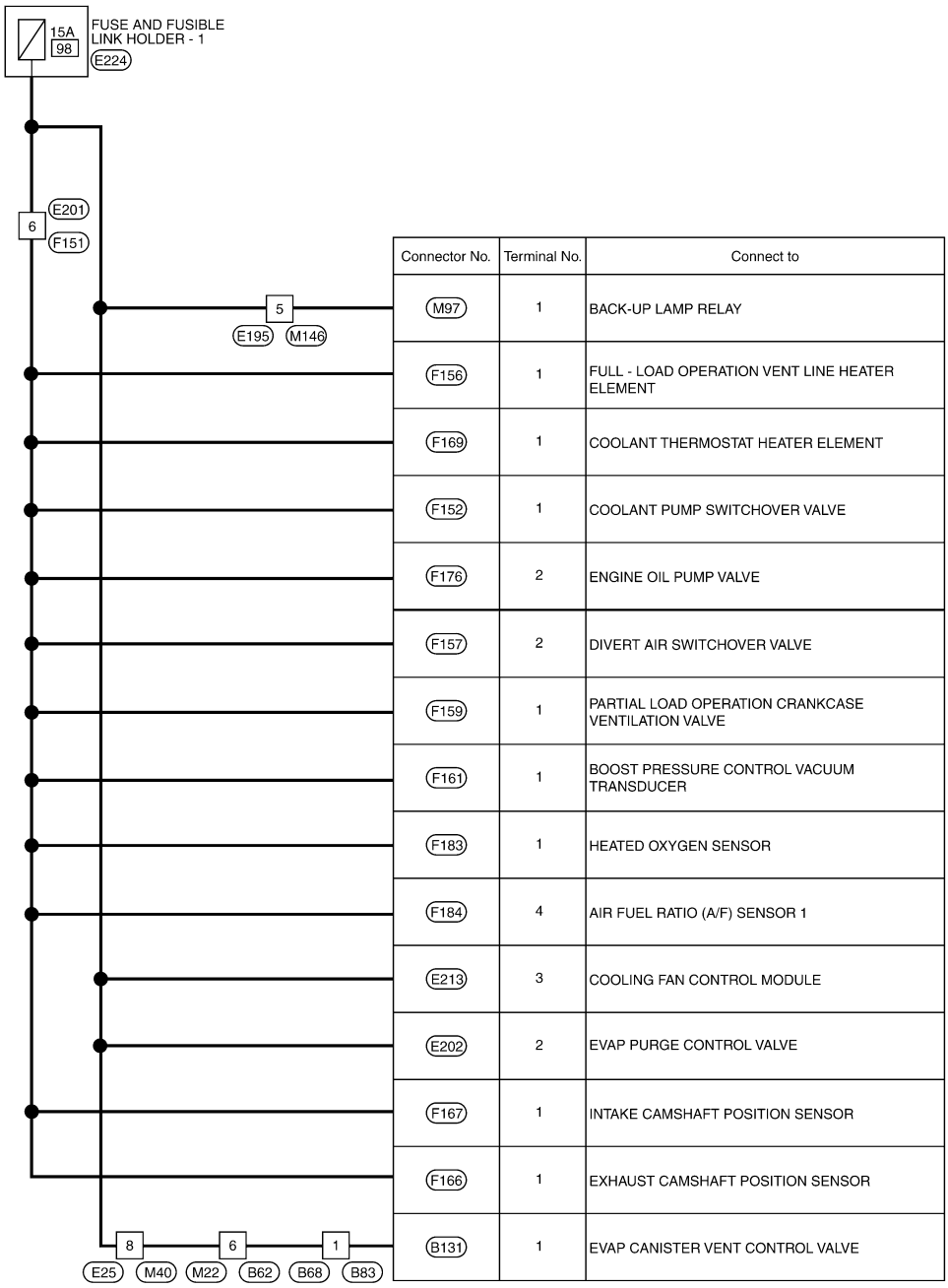
# 2.0L TURBO GASOLINE ENGINE : Wiring Diagram - BATTERY POWER SUPPLY

# FUSE No. 98 -

INFOID:0000000013358828

BATTERY POWER SUPPLY FUSIBLE LINK No. 98 (2.0L TURBO GASOLINE ENGINE)




| Connector No. | Terminal No. | Connect to |
|---|---|---|
| M97 | 1 | BACK-UP LAMP RELAY |
| F156 | 1 | FULL - LOAD OPERATION VENT LINE HEATER ELEMENT |
| F169 | 1 | COOLANT THERMOSTAT HEATER ELEMENT |
| F152 | 1 | COOLANT PUMP SWITCHOVER VALVE |
| F176 | 2 | ENGINE OIL PUMP VALVE |
| F157 | 2 | DIVERT AIR SWITCHOVER VALVE |
| F159 | 1 | PARTIAL LOAD OPERATION CRANKCASE VENTILATION VALVE |
| F161 | 1 | BOOST PRESSURE CONTROL VACUUM TRANSDUCER |
| F183 | 1 | HEATED OXYGEN SENSOR |
| F184 | 4 | AIR FUEL RATIO (A/F) SENSOR 1 |
| E213 | 3 | COOLING FAN CONTROL MODULE |
| E202 | 2 | EVAP PURGE CONTROL VALVE |
| F167 | 1 | INTAKE CAMSHAFT POSITION SENSOR |
| F166 | 1 | EXHAUST CAMSHAFT POSITION SENSOR |
| B131 | 1 | EVAP CANISTER VENT CONTROL VALVE |

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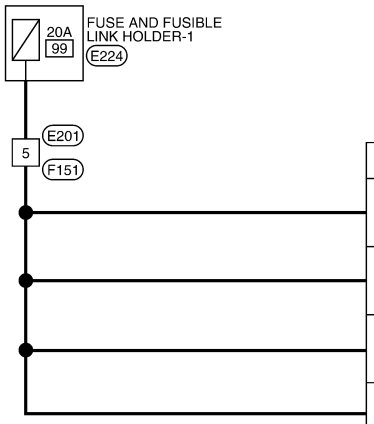
## 2.0L TURBO GASOLINE ENGINE : Wiring Diagram - BATTERY POWER SUPPLY

## FUSE No. 99 -

INFOID:0000000013358829

### BATTERY POWER SUPPLY FUSE No. 99 (2.0L TURBO GASOLINE ENGINE)




| Connector No. | Terminal No. | Connect to |
|---|---|---|
| F182 | 1 | IGNITION COIL (No.4) |
| F181 | 1 | IGNITION COIL (No.3) |
| F180 | 1 | IGNITION COIL (No.2) |
| F179 | 1 | IGNITION COIL (No.1) |

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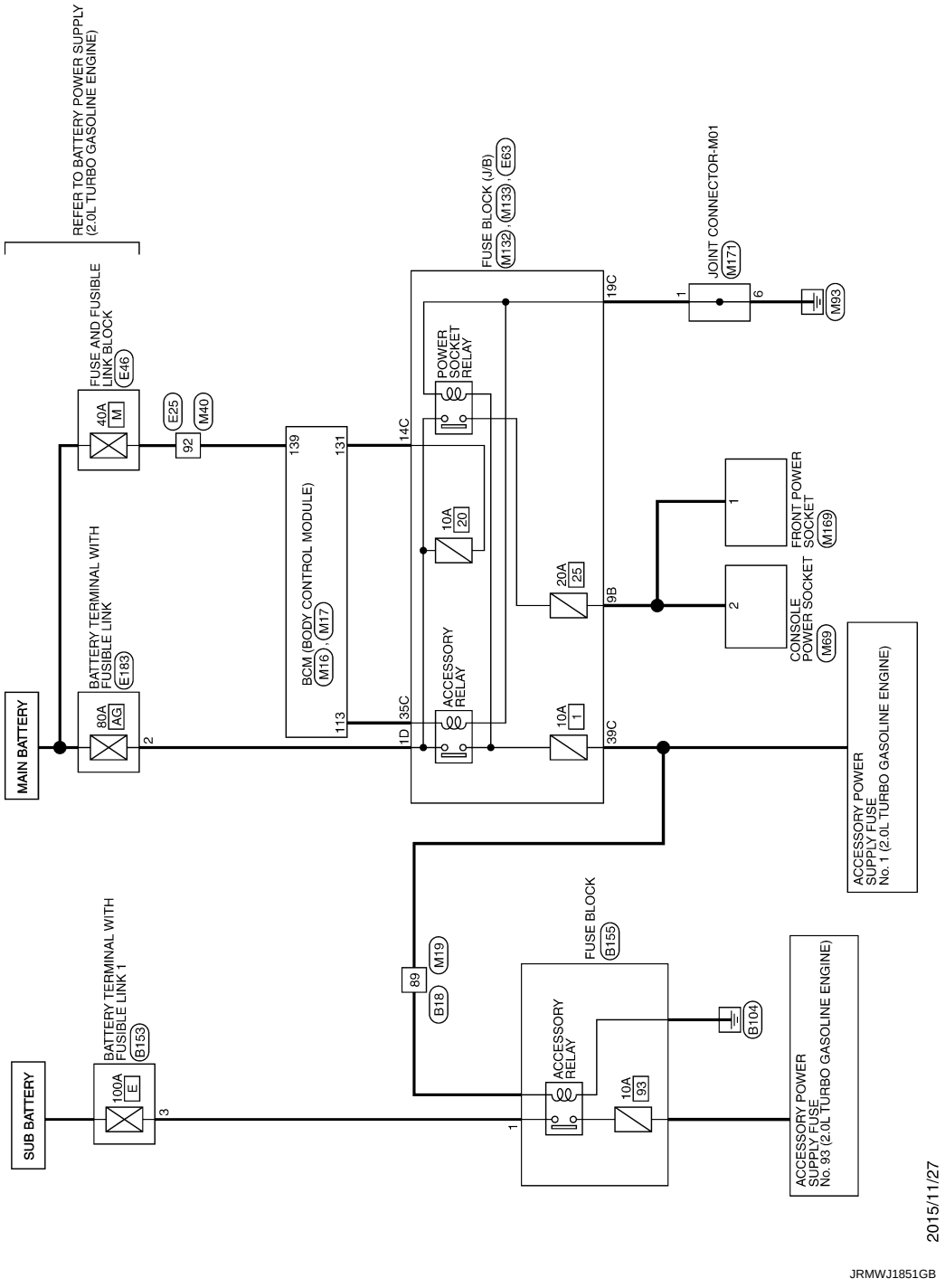
## 2.0L TURBO GASOLINE ENGINE : Wiring Diagram - ACCESSORY POWER SUPPLY

INFOID:0000000013358789

ACCESSORY POWER SUPPLY (2.0L TURBO GASOLINE ENGINE)



ACCESSORY POWER SUPPLY (2.0L TURBO GASOLINE ENGINE)

| Connector No. | B18 |
|---|---|
| Connector Name | WIRE TO WIRE |
| Connector Type | TH80FW-CS16-TM4 |

H.S.



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | Y | - |
| 2 | G | - |
| 3 | L | - |
| 4 | LG | - |
| 5 | Y | - |
| 6 | R | - |
| 7 | V | - |
| 8 | LG | - |
| 10 | BG | - |
| 11 | BG | - |
| 12 | LG | - |
| 13 | GR | - |
| 14 | R | - |
| 15 | L | - |
| 16 | V | - |
| 18 | W | - |
| 19 | BR | - |
| 20 | W | - |
| 22 | R | - |
| 23 | V | - |
| 24 | R | - [With 2.0L turbo gasoline engine] |
| 24 | Y | - [With VR30 engine] |
| 25 | P | - [With 2.0L turbo gasoline engine and without gateway] |
| 25 | V | - [With 2.0L turbo gasoline engine and with gateway] |
| 25 | W | - [With VR30 engine] |
| 26 | G | - |
| 27 | R | - |
| 28 | R | - |
| 31 | B | - [With VR30 engine] |
| 31 | BR | - [With 2.0L turbo gasoline engine] |
| 32 | B | - |
| 33 | B | - |
| 34 | LG | - |
| 35 | P | - |
| 36 | W | - |
| 37 | SB | - |
| 38 | LG | - |
| 40 | P | - |
| 41 | SB | - |
| 42 | BR | - |
| 43 | BG | - |
| 44 | BG | - |
| 46 | R | - |
| 50 | W | - |
| 51 | SB | - |
| 52 | V | - |
| 53 | LG | - |
| 54 | R | - |
| 55 | R | - |
| 57 | W | - |
| 58 | V | - |
| 59 | GR | - |
| 60 | G | - |
| 61 | G | - |
| 62 | BG | - |
| 63 | BR | - |
| 64 | Y | - |
| 66 | R | - |
| 70 | R | - |
| 71 | W | - |
| 72 | B | - |
| 73 | W | - |
| 74 | L | - |
| 75 | R | - [Without paddle shift] |
| 75 | V | - [With paddle shift] |
| 76 | BR | - |
| 77 | B | - |
| 78 | SB | - |
| 79 | V | - [With VR30 engine] |
| 79 | W | - [With 2.0L turbo gasoline engine] |
| 81 | B | - |
| 82 | R | - |
| 83 | BG | - |
| 84 | L | - |
| 85 | R | - [Without paddle shift] |
| 85 | V | - [With paddle shift] |
| 86 | B | - |
| 88 | G | - |
| 89 | V | - [With 2.0L turbo gasoline engine] |
| 89 | W | - [With VR30 engine] |
| 91 | GR | - |
| 94 | GR | - |
| 96 | Y | - |
| 97 | V | - |

| 98 | BR | - [With VR30 engine and with BOSE system] |
|---|---|---|
| 98 | Y | - [Except with VR30 engine and with BOSE system] |

| Connector No. | B49 |
|---|---|
| Connector Name | ACTIVE NOISE CONTROL UNIT |
| Connector Type | TH32FW-NH |

H.S.



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | SHIELD | GND |
| 2 | P | CAN-L [For 2.0L turbo gasoline engine] |
| 2 | R | CAN-L [For VR30 engine] |
| 3 | B | ENGINE TYPE SIGNAL 1 |
| 4 | B | ENGINE TYPE SIGNAL 2 |
| 8 | G | FRONT MICROPHONE SIGNAL (+) |
| 9 | BG | REAR MICROPHONE SIGNAL (+) |
| 12 | G | SOUND SIGNAL FRONT LH (+) |
| 13 | R | SOUND SIGNAL FRONT RH (+) |
| 14 | LG | SOUND SIGNAL REAR LH (+) |
| 15 | B | SOUND SIGNAL REAR RH (+) |
| 16 | V | ACC |
| 18 | L | CAN-H |
| 19 | P | ENGINE SPEED SIGNAL |
| 20 | W | IGN |
| 23 | B | GND |
| 24 | R | FRONT MICROPHONE SIGNAL (-) |
| 25 | W | REAR MICROPHONE SIGNAL (-) |
| 28 | L | SOUND SIGNAL FRONT LH (-) |
| 29 | L | SOUND SIGNAL FRONT RH (-) |
| 30 | P | SOUND SIGNAL REAR LH (-) |
| 31 | W | SOUND SIGNAL REAR RH (-) |
| 32 | Y | BAT |

| Connector No. | B50 |
|---|---|
| Connector Name | AROUND VIEW MONITOR CONTROL UNIT |
| Connector Type | TH40FW-NH |

H.S.



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | B | GND |
| 2 | Y | BAT |
| 3 | LG | IGN |
| 4 | P | ACC |
| 19 | P | AV COMM (H) |
| 20 | LG | AV COMM (L) |
| 23 | SHIELD | AV COMM GND |
| 25 | BG | REVERSE SIGNAL |
| 27 | L | CAN-H |
| 28 | P | CAN-L [Without ADAS] [For VR30 engine] |
| 28 | R | CAN-L [With ADAS] |
| 28 | Y | CAN-L [Without ADAS] [For 2.0L turbo gasoline engine] |
| 29 | B | CAN GND |
| 30 | W | RETRACT MOTOR OPERATING SIGNAL [OPEN] |
| 32 | G | RETRACT MOTOR OPERATING SIGNAL [CLOSE] |

| Connector No. | B55 |
|---|---|
| Connector Name | BOSE AMP. |
| Connector Type | TH40FW-NH |

H.S.



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 43 | W | REAR MICROPHONE GND |
| 44 | R | VOICE GUIDANCE SIGNAL (-) |
| 45 | R | SOUND SIGNAL LH (+) |
| 46 | B | SOUND SIGNAL RH (+) |

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ACCESSORY POWER SUPPLY (2.0L TURBO GASOLINE ENGINE)

| | | |
|---|---|---|
| 52 | R | FRONT MICROPHONE GND |
| 54 | LG | AV COMM (L) |
| 56 | V | ACC |
| 58 | B | ENGINE TYPE SIGNAL 1 |
| 63 | BG | REAR MICROPHONE SIGNAL |
| 64 | G | VOICE GUIDANCE SIGNAL (+) |
| 65 | L | SOUND SIGNAL LH (+) |
| 66 | W | SOUND SIGNAL RH (+) |
| 72 | G | FRONT MICROPHONE SIGNAL |
| 74 | P | AV COMM (H) |
| 78 | W | ENGINE SPEED SIGNAL |
| 79 | SHIELD | SHIELD |

| | |
|---|---|
| Connector No. | B153 |
| Connector Name | BATTERY TERMINAL WITH FUSIBLE LINK 1 |
| Connector Type | L02FGY-MC |

H.S.

4 3

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

| | |
|---|---|
| Connector No. | B155 |
| Connector Name | FUSU BLOCK (J/B) |
| Connector Type | L01FW-MC |

H.S.

1

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

| | |
|---|---|
| Connector No. | D12 |
| Connector Name | POWER WINDOW MAIN SWITCH(DOOR MIRROR REMOTE CONTROL SWITCH) |
| Connector Type | TH12FW-NH |

H.S.

23 24 25 26 27 28 22

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 22 | V | - |
| 23 | Y | - |
| 24 | GR | - |
| 25 | L | - |
| 26 | W | - |
| 27 | BR | - |
| 28 | R | - |

| | |
|---|---|
| Connector No. | D55 |
| Connector Name | POWER WINDOW MAIN SWITCH(DOOR MIRROR REMOTE CONTROL SWITCH) |
| Connector Type | TH12FW-NH |

H.S.

23 24 25 26 27 28 22

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 22 | V | - |
| 23 | Y | - |
| 24 | GR | - |
| 25 | L | - |
| 26 | W | - |
| 27 | BR | - |
| 28 | R | - |

| | |
|---|---|
| Connector No. | E25 |
| Connector Name | WIRE TO WIRE |
| Connector Type | TH80FW-CS16-TM4 |

H.S.

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | BG | - |
| 6 | V | - |
| 7 | L | - |
| 8 | BG | - [With VR30 engine] |
| 8 | BR | - [With 2.0L turbo gasoline engine] |
| 9 | B | - [With 2.0L turbo gasoline engine] |
| 9 | GR | - [With VR30 engine] [Color of wire differs depending on production] |
| 9 | LG | [With VR30 engine] [Color of wire differs depending on production] |
| 10 | BR | - |
| 11 | L | - |
| 12 | GR | - [With VR30 engine] |
| 12 | P | [With 2.0L turbo gasoline engine] |
| 13 | SHIELD | - [With 2.0L turbo gasoline engine] |
| 13 | W | - [With VR30 engine] |
| 14 | B | - |
| 15 | GR | - [With 2.0L turbo gasoline engine] |
| 15 | SB | - [With VR30 engine] |
| 16 | BR | - [With 2.0L turbo gasoline engine] |
| 16 | Y | - [With VR30 engine] |
| 17 | BR | - [With VR30 engine] |
| 17 | GR | - [With 2.0L turbo gasoline engine] |
| 18 | G | - [With 2.0L turbo gasoline engine] |
| 18 | P | - [With VR30 engine] |
| 19 | Y | - |
| 31 | W | - [With 2.0L turbo gasoline engine] |
| 31 | Y | - [With VR30 engine] |
| 32 | G | - [With 2.0L turbo gasoline engine] |
| 32 | GR | - [With VR30 engine] |
| 33 | L | - [With VR30 engine] |
| 33 | Y | - [With 2.0L turbo gasoline engine] |
| 34 | P | - |
| 35 | GR | - |
| 36 | R | - |
| 37 | L | - [With 2.0L turbo gasoline engine] |
| 37 | V | - [With VR30 engine] |
| 38 | L | - [With VR30 engine] |
| 38 | P | - [With 2.0L turbo gasoline engine and without gateway] |
| 38 | R | - [With 2.0L turbo gasoline engine and with gateway] |
| 39 | BR | - [With 2.0L turbo gasoline engine] |
| 39 | Y | - [With VR30 engine] |
| 40 | SB | - |
| 41 | LG | - |
| 44 | Y | - |
| 45 | L | - [With 2.0L turbo gasoline engine] |
| 45 | W | - [With VR30 engine] |
| 46 | B | - [With VR30 engine] |
| 46 | Y | - [With 2.0L turbo gasoline engine] |
| 47 | G | - |
| 48 | SHIELD | - |
| 49 | R | - |
| 50 | BR | - [With VR30 engine] |
| 50 | GR | - [With 2.0L turbo gasoline engine] |
| 51 | L | - |
| 52 | W | - |
| 53 | V | - |
| 54 | P | - [With VR30 engine] |
| 54 | W | - [With 2.0L turbo gasoline engine] |
| 55 | B | - [With 2.0L turbo gasoline engine] |
| 55 | W | - [With VR30 engine] |
| 56 | BG | - [With 2.0L turbo gasoline engine] |
| 56 | SB | - [With VR30 engine] |
| 57 | BG | [With VR30 engine] |
| 57 | W | - [With 2.0L turbo gasoline engine] |
| 58 | B | - [Color of wire differs depending on production] |
| 58 | B/W | - [Color of wire differs depending on production] |
| 59 | W | - |
| 61 | R | - |
| 64 | Y | - |
| 65 | BR | - [Color of wire differs depending on production] |
| 65 | GR | - [Color of wire differs depending on production] |
| 66 | GR | - |
| 67 | LG | - |
| 68 | BG | - |
| 69 | L | - |
| 70 | R | - |
| 71 | G | - [With 2.0L turbo gasoline engine] |
| 71 | LG | - [With VR30 engine] |
| 72 | L | - [With 2.0L turbo gasoline engine] |
| 72 | V | - [With VR30 engine] |
| 73 | G | - [With VR30 engine] |
| 73 | W | - [With 2.0L turbo gasoline engine] |
| 74 | BR | - [With VR30 engine] |
| 74 | L | - [With 2.0L turbo gasoline engine] |
| 75 | P | [With 2.0L turbo gasoline engine and without gateway] |
| 75 | R | - [With 2.0L turbo gasoline engine and with gateway] |
| 75 | V | - [With VR30 engine] |

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ACCESSORY POWER SUPPLY (2.0L TURBO GASOLINE ENGINE)

| | | |
|---|---|---|
| 76 | G | - |
| 77 | Y | - |
| 78 | LG | - [With 2.0L turbo gasoline engine and with ADAS] |
| 78 | P | - [With VR30 engine] |
| 78 | V | [With 2.0L turbo gasoline engine and without ADAS] |
| 79 | SB | - |
| 80 | G | - |
| 81 | R | - |
| 82 | V | - |
| 83 | BR | - [With 2.0L turbo gasoline engine] |
| 83 | R | - [With VR30 engine] |
| 84 | LG | - |
| 86 | BG | - |
| 87 | G | - |
| 89 | LG | - |
| 90 | G | - [With VR30 engine] |
| 90 | GR | - [With 2.0L turbo gasoline engine] |
| 91 | G | - |
| 93 | BG | - |
| 94 | GR | - [With VR30 engine] |
| 94 | L | - [With 2.0L turbo gasoline engine] |
| 95 | BG | - [With VR30 engine] |
| 95 | P | - [With 2.0L turbo gasoline engine and without gateway] |
| 95 | R | - [With 2.0L turbo gasoline engine and with gateway] |
| 96 | W | - |
| 97 | LG | - |
| 98 | L | - |
| 99 | LG | - [With 2.0L turbo gasoline engine] |
| 99 | P | - [With VR30 engine] |
| 100 | SHIELD | - |

| | |
|---|---|
| Connector No. | E46 |
| Connector Name | FUSE AND FUSIBLE LINK BLOCK |
| Connector Type | 24384_4GADA |







| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 65 | GR | - |
| 66 | SB | - |
| 67 | BG | - |
| 68 | LG | - [With VR30 engine] |
| 68 | Y | - [With 2.0L turbo gasoline engine] |
| 69 | V | - [With VR30 engine] |
| 69 | W | - [With 2.0L turbo gasoline engine] |
| 70 | GR | - [With VR30 engine] |
| 70 | LG | - [With 2.0L turbo gasoline engine] |
| 71 | BG | - [With VR30 engine] |
| 71 | GR | - [With 2.0L turbo gasoline engine] |
| 72 | G | - |
| 73 | P | - |
| G | L | - [With VR30 engine] |
| G | R | - [With 2.0L turbo gasoline engine] |
| H | G | - [With 2.0L turbo gasoline engine] |
| H | R | - [With VR30 engine] |
| J | BR | - [With EPS] [With 2.0L turbo gasoline engine] |
| J | R | - [Without EPS] |
| J | W | - [With EPS] [With VR30 engine] |
| K | L | - |
| L | G | - [With VR30 engine] |
| L | P | - [With 2.0L turbo gasoline engine] |
| M | W | - |
| N | Y | - |
| O | L | - |
| Q | BG | - [With 2.0L turbo gasoline engine] |
| Q | G | - [With VR30 engine] |
| R | GR | - |
| S | BG | - [With 2.0L turbo gasoline engine] |
| S | BR | - [With VR30 engine] |

| | |
|---|---|
| Connector No. | E63 |
| Connector Name | FUSE BLOCK (J/B) |
| Connector Type | L02FB-MC |







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

| | |
|---|---|
| Connector No. | E183 |
| Connector Name | BATTERY TERMINAL WITH FUSIBLE LINK |
| Connector Type | L02FGY-MC |







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

| | |
|---|---|
| Connector No. | M1 |
| Connector Name | INTEGRAL SWITCH |
| Connector Type | TH24FW-NH |







| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 2 | R | ILLUMINATION SIGNAL |
| 3 | LG | AV COMM (L) |
| 4 | SB | AV COMM (H) |
| 7 | W/B | DISK EJECT SIGNAL |
| 8 | G | HAZERD SIGNAL |
| 13 | B | GND |
| 14 | SB | ACC [For 2.0L turbo gasoline engine] |
| 14 | V | ACC [For VR30 engine] |
| 15 | B | ILLUMINATION CONTROL SIGNAL |
| 16 | BG | DISK EJECT SIGNAL GROUND |
| 18 | R | IGN [For VR30 engine] |
| 18 | W | IGN [For 2.0L turbo gasoline engine] |
| 19 | BR | CAMERA SWITCH SIGNAL |
| 20 | LG | AIR BAG INDICATOR OFF SIGNAL |

| | |
|---|---|
| Connector No. | M16 |
| Connector Name | BCM (BODY CONTROL MODULE) |
| Connector Type | TH24FB-NH |







| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 105 | V | TURN SIG RH OUTPUT (FRONT) |
| 107 | P | PUSH-BTN IGN SW ILL GND |
| 111 | Y | ACC/ON IND |
| 113 | SB | ACC RELAY CONT |
| 114 | LG | PASSENGER DOOR ANT + |
| 115 | V | PASSENGER DOOR ANT - |
| 116 | BR | INSIDE KEY ANT (CONSOLE) + |
| 117 | W/B | TURN SIG LH OUTPUT (FRONT) |
| 119 | L | KYLS ENT RECEIV COMM |
| 121 | SB | DRIVER DOOR ANT - |
| 122 | BG | DRIVER DOOR ANT + |
| 123 | R | INSIDE KEY ANT (INSTRUMENT LOWER) + |
| 124 | G | INSIDE KEY ANT (INSTRUMENT LOWER) - |
| 126 | B | NATS ANT AMP. |
| 127 | W | NATS ANT AMP. |
| 128 | GR | INSIDE KEY ANT (CONSOLE) - |

| | |
|---|---|
| Connector No. | M17 |
| Connector Name | BCM (BODY CONTROL MODULE) |
| Connector Type | FEA09FW-FHA6-SA |







| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 129 | LG | INT ROOM LAMP PWR SPLY |
| 130 | P | PASS DOOR UNLK OUTPUT |
| 131 | Y | BAT (FUSE) |
| 132 | V | RR, RL DOOR LK OUTPUT |

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ACCESSORY POWER SUPPLY (2.0L TURBO GASOLINE ENGINE)

| | | |
|---|---|---|
| 133 | BR | RR, RL DOOR UNLK OUTPUT |
| 134 | B | GND |
| 135 | V | FRONT DOOR, FL LID LK OUTPUT |
| 136 | V | INT ROOM LAMP CONT |
| 137 | LG | FRONT DOOR, FL LID UNLK OUTPUT |
| 138 | P | REAR DOORS ACT PWR SPLY [With VR30 engine] |
| 138 | R | REAR DOORS ACT PWR SPLY [With 2.0L turbo gasoline engine] |
| 139 | W | BAT (F/L) |
| 140 | BR | IGN ON |
| 141 | R | PWR SPLY (BAT) |
| 142 | R | FRONT DOORS, FL LID ACT PWR SPLY |
| 143 | B | GND |

| | |
|---|---|
| Connector No. | M19 |
| Connector Name | WIRE TO WIRE |
| Connector Type | TH80MW-CS16-TM4 |

H.S.

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | Y | - |
| 2 | G | - |
| 3 | SB | - |
| 4 | BR | - |
| 5 | Y | - |
| 6 | R | - |
| 7 | W | - |
| 8 | V | - |
| 10 | BG | - |
| 11 | BR | - |
| 12 | LG | - |
| 13 | GR | - |
| 14 | R | - |
| 15 | L | - |
| 16 | V | - |
| 18 | W | - |
| 19 | BR | - |
| 20 | W | - |
| 22 | SB | - |
| 23 | R | - |
| 24 | R | - [With 2.0L turbo gasoline engine] |
| 24 | Y | - [With VR30 engine] |
| 25 | P | - [With 2.0L turbo gasoline engine] |
| 25 | W | - [With VR30 engine] |
| 26 | G | - |
| 27 | R | - |
| 28 | R | - |
| 31 | BR | - |
| 32 | B | - |
| 33 | B | - |
| 34 | V | - |
| 35 | P | - |
| 36 | W | - |
| 37 | SB | - |
| 38 | LG | - |
| 40 | P | - |
| 41 | G | - |
| 42 | BR | - |
| 43 | BR | - |
| 44 | BR | - |
| 46 | BG | - |
| 50 | W | - |
| 51 | Y | - |
| 52 | V | - |
| 53 | LG | - |
| 54 | R | - |
| 55 | R | - |
| 57 | W | - |
| 58 | V | - |
| 59 | BG | - |
| 60 | G | - |
| 61 | G | - |
| 62 | BG | - |
| 63 | BR | - |
| 64 | Y | - |
| 66 | R | - |
| 70 | LG | - |
| 71 | W | - |
| 72 | B | - |
| 73 | W | - |
| 74 | L | - |
| 75 | W | - |
| 76 | BR | - |
| 77 | B | - |
| 78 | SB | - |
| 79 | P | - [With VR30 engine] |
| 79 | W | - [With 2.0L turbo gasoline engine] |
| 81 | B | - |
| 82 | R | - |
| 83 | BG | - |
| 84 | L | - |
| 85 | W | - |
| 86 | B | - |
| 88 | G | - |
| 89 | V | - [With 2.0L turbo gasoline engine] |
| 89 | W | - [With VR30 engine] |
| 91 | GR | - |
| 94 | GR | - |
| 96 | W | - |
| 97 | V | - |
| 98 | BR | - [With VR30 engine and with BOSE system] |
| 98 | Y | - [Except with VR30 engine and with BOSE system] |

| | |
|---|---|
| Connector No. | M40 |
| Connector Name | WIRE TO WIRE |
| Connector Type | TH80MW-CS16-TM4 |

H.S.

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | BG | - |
| 6 | W/B | - |
| 7 | V | - |
| 8 | BG | - [With VR30 engine] |
| 8 | BR | - [With 2.0L turbo gasoline engine] |
| 9 | LG | - [With VR30 engine] |
| 9 | P | - [With 2.0L turbo gasoline engine] |
| 10 | W | - |
| 11 | W | - [With VR30 engine] |
| 11 | Y | - [With 2.0L turbo gasoline engine] |
| 12 | B | - [With VR30 engine] |
| 12 | BR | - [With 2.0L turbo gasoline engine] |
| 13 | GR | - [With VR30 engine] |
| 13 | SHIELD | - [With 2.0L turbo gasoline engine] |
| 14 | B | - |
| 15 | BG | - [With 2.0L turbo gasoline engine] |
| 15 | SB | - [With VR30 engine] |
| 16 | B | - [With VR30 engine] |
| 16 | BR | - [With 2.0L turbo gasoline engine] |
| 17 | LG | - |
| 18 | B | - [With VR30 engine] |
| 18 | W/B | - [With 2.0L turbo gasoline engine] |
| 19 | Y | - |
| 31 | W | - |
| 32 | G | - [With 2.0L turbo gasoline engine] |
| 32 | V | - [With VR30 engine] |
| 33 | L | - [With VR30 engine] |
| 33 | Y | - [With 2.0L turbo gasoline engine] |
| 34 | P | - |
| 35 | BG | - |
| 36 | G | - |
| 37 | B | - [With VR30 engine] |
| 37 | L | - [With 2.0L turbo gasoline engine] |
| 38 | L | - [With VR30 engine] |
| 38 | P | - [With 2.0L turbo gasoline engine and without gateway] |
| 38 | R | - [With 2.0L turbo gasoline engine and with gateway] |
| 39 | R | - [With 2.0L turbo gasoline engine] |
| 39 | Y | - [With VR30 engine] |
| 40 | GR | - |
| 41 | L | - |
| 44 | BR | - |
| 45 | L | - [With 2.0L turbo gasoline engine] |
| 45 | W | - [With VR30 engine] |
| 46 | G | - [With VR30 engine] |
| 46 | Y | - [With 2.0L turbo gasoline engine] |
| 47 | BG | - [With 2.0L turbo gasoline engine] |
| 47 | R | - [With VR30 engine] |
| 48 | SHIELD | - |
| 49 | B | - [With VR30 engine] |
| 49 | G | [With 2.0L turbo gasoline engine] |
| 50 | B | - [With 2.0L turbo gasoline engine] |
| 50 | BR | - [With VR30 engine] |
| 51 | L | - |
| 52 | W | - |
| 53 | G | - |
| 54 | SB | - [With 2.0L turbo gasoline engine] |
| 54 | Y | - [With VR30 engine] |
| 55 | B | - [With 2.0L turbo gasoline engine] |
| 55 | P | - [With VR30 engine] |
| 56 | BG | - [With 2.0L turbo gasoline engine] |
| 56 | GR | - [With VR30 engine] |
| 57 | GR | - [With 2.0L turbo gasoline engine] |
| 57 | P | - [With VR30 engine] |
| 58 | B | - |
| 59 | SB | - |
| 61 | W/B | - |
| 64 | Y | - |
| 65 | R | - |
| 66 | P | - [Color of wire differs depending on production] |
| 66 | V | - [Color of wire differs depending on production] |
| 67 | LG | - |
| 68 | BG | - |
| 69 | L | - |
| 70 | R | - |

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ACCESSORY POWER SUPPLY (2.0L TURBO GASOLINE ENGINE)

| | | |
|---|---|---|
| 71 | V | - [With VR30 engine] |
| 71 | W | - [With 2.0L turbo gasoline engine] |
| 72 | L | - [With 2.0L turbo gasoline engine] |
| 72 | LG | - [With VR30 engine] |
| 73 | R | - [With VR30 engine] |
| 73 | W | - [With 2.0L turbo gasoline engine] |
| 74 | BR | - [With VR30 engine] |
| 74 | L | - [With 2.0L turbo gasoline engine] |
| 75 | B | - [With VR30 engine] |
| 75 | P | - [With 2.0L turbo gasoline engine and without gateway] |
| 75 | R | - [With 2.0L turbo gasoline engine and with gateway] |
| 76 | W/B | - |
| 77 | SB | - |
| 78 | G | - [With VR30 engine] |
| 78 | LG | - [With 2.0L turbo gasoline engine] |
| 79 | R | - |
| 80 | G | - |
| 81 | R | - |
| 82 | LG | - |
| 83 | BR | - [With 2.0L turbo gasoline engine] |
| 83 | R | - [With VR30 engine] |
| 84 | V | - |
| 86 | V | - |
| 87 | G | - |
| 89 | V | - |
| 90 | G | - [With VR30 engine] |
| 90 | V | - [With 2.0L turbo gasoline engine] |
| 91 | W | - |
| 92 | G | - |
| 93 | BR | - |
| 94 | GR | - [With VR30 engine] |
| 94 | L | - [With 2.0L turbo gasoline engine] |
| 95 | BR | - [With VR30 engine] |
| 95 | P | - [With 2.0L turbo gasoline engine and without gateway] |
| 95 | R | - [With 2.0L turbo gasoline engine and with gateway] |
| 96 | W | - |
| 97 | LG | - |
| 98 | Y | - |
| 99 | BR | - [With VR30 engine] |
| 99 | LG | - [With 2.0L turbo gasoline engine] |
| 100 | SHIELD | - |

| Connector No. | M57 |
|---|---|
| Connector Name | COMBINATION METER |
| Connector Type | TH40FW-NH |

H.S.

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 |

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | B | GROUND |
| 6 | GR | STOP/START OFF SWITCH INDICATOR SIGNAL |
| 7 | G | SECURITY SIGNAL |
| 8 | B | - |
| 11 | W | ALTERNATOR SIGNAL |
| 12 | G | LED HEADLAMP (RH) WARNING SIGNAL |
| 13 | BR | LED HEADLAMP (LH) WARNING SIGNAL |
| 14 | V | ACC POWER SUPPLY |
| 16 | V | AIR BAG SIGNAL |
| 17 | BR | METER CONTROL SWITCH GROUND |
| 18 | SB | TRIP/RESET SIGNAL |
| 21 | B | STEERING SWITCH SIGNAL GROUND |
| 22 | P | STEERING SWITCH SIGNAL A |
| 23 | W/B | STEERING SWITCH SIGNAL B |
| 24 | L | WASHER LEVEL SWITCH SIGNAL |
| 25 | LG | BRAKE FLUID LEVEL SWITCH SIGNAL |
| 26 | V | PARKING BRAKE SWITCH SIGNAL |
| 27 | G | PASSENGER SEAT BELT WARNING SIGNAL |
| 28 | W | SEAT BELT BUCKLE SWITCH SIGNAL [DRIVER SIDE] |
| 30 | G | MANUAL MODE SIGNAL [With 2.0L turbo gasoline engine] |
| 30 | SB | MANUAL MODE SIGNAL [With VR30 engine] |
| 31 | G | NON-MANUAL MODE SIGNAL [With VR30 engine] |
| 31 | L | NON-MANUAL MODE SIGNAL [With 2.0L turbo gasoline engine] |
| 32 | BG | MANUAL MODE SHIFT UP SIGNAL |
| 33 | GR | MANUAL MODE SHIFT DOWN SIGNAL [With VR30 engine] |
| 33 | P | MANUAL MODE SHIFT DOWN SIGNAL [With 2.0L turbo gasoline engine] |
| 34 | BG | PADDLE SHIFTER UP SWITCH SIGNAL |
| 35 | G | PADDLE SHIFTER DOWN SWITCH SIGNAL |
| 36 | V | ILLUMINATION CONTROL SWITCH SIGNAL (+) |
| 37 | GR | ILLUMINATION CONTROL SWITCH SIGNAL (-) |
| 38 | R | VEHICLE SPEED SIGNAL (8-PULSE) |

| Connector No. | M60 |
|---|---|
| Connector Name | NAVI CONTROL UNIT |
| Connector Type | TH28FW |

H.S.

| 1 | 3 | 5 | 7 | 12 | 13 | 14 |
|---|---|---|---|---|---|---|
| 15 | 17 | 19 | 21 | 26 | 27 | 28 |

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | Y | BAT |
| 3 | B | GND |
| 5 | SB | ACC [Except for VR30 engine and with ISS] |
| 5 | V | ACC [For VR30 engine and with ISS] |
| 7 | R | VEHICLE SPEED SIGNAL (8-PULSE) |
| 12 | G | MICROPHONE SIGNAL |
| 13 | SHIELD | SHIELD |
| 14 | W | VOICE GUIDANCE SIGNAL OUTPUT (+) |
| 15 | Y | BAT |
| 17 | B | GND |
| 19 | R | IGN [For VR30 engine and with ISS] |
| 19 | W | IGN [Except for VR30 engine and with ISS] |
| 21 | BR | REVERSE SIGNAL |
| 26 | R | MICROPHONE SIGNAL GND |
| 27 | SHIELD | SHIELD |
| 28 | B | VOICE GUIDANCE SIGNAL OUTPUT (-) |

| Connector No. | M69 |
|---|---|
| Connector Name | CONSOLE POWER SOCKET |
| Connector Type | CEA01FB-CHA2 |

H.S.

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

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

| Connector No. | M88 |
|---|---|
| Connector Name | A/C AUTO AMP. |
| Connector Type | TH40FW-NH |

H.S.

| 1 | 2 | 3 | | | | | | 9 | | | | | | 17 | 18 | 19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 | 21 | 22 | 23 | | | 26 | 27 | 28 | 29 | | | | | 35 | 36 | 37 |

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | L | CAN-H |
| 2 | B | GROUND |
| 3 | W | BATTERY POWER SUPPLY |
| 7 | G | AMBIENT SENSOR SIGNAL |
| 9 | R | SUNLOAD SENSOR SIGNAL |
| 13 | SB | ACC POWER SUPPLY [With 2.0L turbo gasoline engine] |
| 13 | V | ACC POWER SUPPLY [With VR30 engine] |
| 16 | P | LIN SIGNAL |
| 17 | R | DOOR MOTOR POWER SUPPLY |
| 18 | P | BLOWER MOTOR CONTROL SIGNAL |
| 20 | L | HEATED STEERING WHEEL RELAY CONTROL SIGNAL |
| 21 | P | CAN-L |
| 22 | B | GROUND |
| 23 | R | IGNITION POWER SUPPLY [With VR30 engine and with ISS] |
| 23 | W | IGNITION POWER SUPPLY [Except with VR30 engine and with ISS] |
| 26 | B | SENSOR GROUND |
| 27 | LG | IN-VEHICLE SENSOR SIGNAL |
| 28 | BR | INTAKE SENSOR SIGNAL |
| 30 | BG | EXHAUST GAS / OUTSIDE ODOR DETECTING SENSOR SIGNAL |
| 37 | B | GROUND |
| 38 | BG | IONIZER (ON/OFF) CONTROL SIGNAL |
| 40 | BG | ECV CONTROL SIGNAL |

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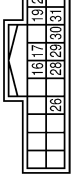
ACCESSORY POWER SUPPLY (2.0L TURBO GASOLINE ENGINE)

| Connector No. | M100 |
|---|---|
| Connector Name | DISPLAY CONTROL UNIT |
| Connector Type | TH24FW-NH |


| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 16 | LG | AV COMM (L) |
| 17 | P | CAN-L |
| 19 | R | DIMMER SIGNAL |
| 20 | BR | REVERSE SIGNAL |
| 22 | B | GND |
| 26 | BR | CAMERA SWITCH SIGNAL |
| 28 | SB | AV COMM (H) |
| 29 | L | CAN-H |
| 30 | R | IGN [For VR30 engine] |
| 30 | W | IGN [For 2.0L turbo gasoline engine] |
| 31 | R | VEHICLE SPEED SIGNAL (8-PULSE) |
| 33 | SB | ACC [Except for VR30 engine and with ISS] |
| 33 | V | ACC [For VR30 engine and with ISS] |
| 34 | Y | BAT |

| Connector No. | M132 |
|---|---|
| Connector Name | FUSE BLOCK (J/B) |
| Connector Type | NS16FW-CS |





| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 11B | LG | - |
| 13B | P | - |
| 14B | G | - |
| 15B | Y | - |
| 16B | Y | - |
| 2B | B | - |
| 4B | W | - |
| 5B | R | - |
| 9B | Y | - |

| Connector No. | M133 |
|---|---|
| Connector Name | FUSE BLOCK (J/B) |
| Connector Type | TH40FW-NH |







| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 10C | V | - |
| 12C | L | - |
| 13C | L | - |
| 14C | Y | - |
| 15C | R | - |
| 16C | R | - |
| 17C | L | - |
| 18C | BG | - [Without DRPO] |
| 18C | P | - [With DRPO] |
| 19C | B | - |
| 1C | R | - |
| 20C | W | - |
| 21C | L | - |
| 22C | L | - |
| 23C | L | - |
| 25C | LG | - |
| 26C | SB | - |
| 27C | P | - |
| 28C | W | - |
| 29C | W | - |
| 2C | R | - |
| 30C | R | - |
| 31C | W | - |
| 32C | R | - |
| 33C | B | - [With VR30 engine] |
| 33C | R | - [With 2.0L turbo gasoline engine] |
| 34C | W/B | - |
| 35C | SB | - |
| 36C | R | - |
| 37C | W | - |
| 38C | SB | - |
| 39C | V | - |
| 3C | P | - |
| 40C | G | - |
| 4C | P | - |
| 5C | P | - |
| 6C | G | - |
| 7C | G | - |
| 8C | G | - |
| 9C | V | - |

| Connector No. | M143 |
|---|---|
| Connector Name | EXTERNAL DATA INPUT BOX |
| Connector Type | TH12FW-NH |







| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 12 | W | AUX SOUND SIGNAL LH |
| 13 | R | AUX_AUDIO- |
| 14 | B | AUX SOUND SIGNAL RH |
| 16 | B | GND |
| 17 | Y | BAT |
| 20 | L | AUX IMAGE SIGNAL (+) |
| 21 | V | AUX IMAGE SIGNAL (-) |
| 22 | SB | ACC [Except with VR30 engine and with ISS] |
| 22 | V | ACC [With VR30 engine and with ISS] |

| Connector No. | M144 |
|---|---|
| Connector Name | TCU |
| Connector Type | TH40FB-NH |







| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | Y | BAT |
| 2 | SB | ACC [For 2.0L turbo gasoline engine] |
| 2 | V | ACC [For VR30 engine] |
| 3 | SB | ACC OUTPUT |
| 5 | BR | SOS SWITCH LED SIGNAL |
| 6 | L | CAN-H |
| 7 | P | CAN-L |
| 10 | R | IGN [For VR30 engine] |
| 10 | W | IGN [For 2.0L turbo gasoline engine] |
| 11 | SHIELD | MICROPHONE SIGNAL GND |
| 12 | R | MICROPHONE OUTPUT SIGNAL |
| 16 | SHIELD | SHIELD |
| 17 | G | MICROPHONE SIGNAL |
| 18 | L | MICROPHONE VCC |
| 26 | SB | AV COMM (H) |
| 27 | LG | AV COMM (L) |
| 28 | B | GROUND |
| 29 | B | GROUND |
| 30 | SHIELD | SHIELD |
| 31 | B | SOUND SIGNAL (+) |
| 32 | W | SOUND SIGNAL (-) |
| 37 | G | SOS CALL SWITCH SIGNAL |

JRMWJ4883GB

ACCESSORY POWER SUPPLY (2.0L TURBO GASOLINE ENGINE)

| | |
|---|---|
| Connector No. | M163 |
| Connector Name | AV CONTROL UNIT |
| Connector Type | NH18FW-CS2 |

H.S.

| 1 | 2 | 3 | 4 | 5 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|
| 19 | 10 | 11 | 12 | 13 | 14 | | 20 |

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | SHIELD | SHIELD |
| 2 | L | SOUND SIGNAL FRONT LH (+) |
| 3 | R | SOUND SIGNAL FRONT LH (-) |
| 4 | LG | SOUND SIGNAL REAR LH (+) |
| 5 | SB | SOUND SIGNAL REAR LH (-) |
| 7 | SB | ACC [Except for VR30 engine and with ISS] |
| 7 | V | ACC [For VR30 engine and with ISS] |
| 8 | W/B | DISK EJECT SIGNAL |
| 9 | BG | DISK EJECT SIGNAL GND |
| 10 | SHIELD | SHIELD |
| 11 | LG | SOUND SIGNAL FRONT RH (+) |
| 12 | P | SOUND SIGNAL FRONT RH (-) |
| 13 | L | SOUND SIGNAL REAR RH (+) |
| 14 | P | SOUND SIGNAL REAR RH (-) |
| 19 | Y | BAT |
| 20 | B | GND |

| | |
|---|---|
| Connector No. | M171 |
| Connector Name | JOINT CONNECTOR-M01 |
| Connector Type | 24342_4GA2A |

H.S.

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

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | B | - |
| 2 | B | - |
| 3 | B | - |
| 4 | B | - |
| 5 | B | - |
| 6 | B | - |
| 7 | B | - |
| 8 | B | - |
| 9 | B | - |
| 10 | G | - |
| 11 | G | - |
| 14 | B | - |
| 15 | B | - |
| 16 | SB | - [With VR30 engine] |
| 16 | Y | - [With 2.0L turbo gasoline engine] |
| 17 | SB | - [With VR30 engine] |
| 17 | Y | - [With 2.0L turbo gasoline engine] |
| 18 | SB | - [With VR30 engine] |
| 18 | Y | - [With 2.0L turbo gasoline engine] |
| 19 | G | - |
| 20 | G | - |
| 22 | LG | - [With VR30 engine] |
| 22 | SB | - [With 2.0L turbo gasoline engine] |
| 23 | LG | - [With VR30 engine] |
| 23 | SB | - [With 2.0L turbo gasoline engine] |
| 24 | LG | - [With VR30 engine] |
| 24 | SB | - [With 2.0L turbo gasoline engine] |

| | |
|---|---|
| Connector No. | M169 |
| Connector Name | FRONT POWER SOCKET |
| Connector Type | NS03FW-CS |

H.S.

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

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | Y | +ACC |
| 2 | R | TAIL_LAMP_RLY |
| 3 | B | GND |

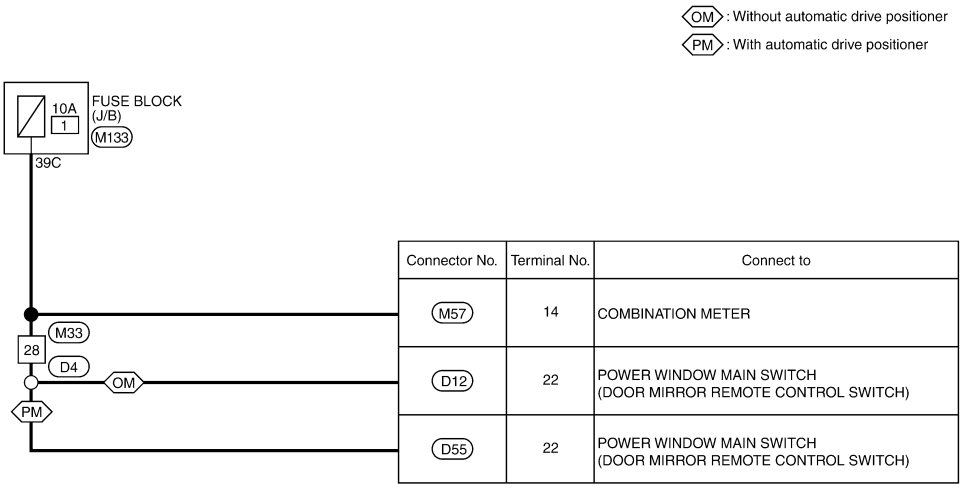
JRMWJ4884GB

## 2.0L TURBO GASOLINE ENGINE : Wiring Diagram - ACCESSORY POWER SUPPLY

## FUSE No. 1 -

INFOID:0000000013358790

ACCESSORY POWER SUPPLY FUSE No. 1 (2.0L TURBO GASOLINE ENGINE)




| Connector No. | Terminal No. | Connect to |
|---|---|---|
| M57 | 14 | COMBINATION METER |
| D12 | 22 | POWER WINDOW MAIN SWITCH (DOOR MIRROR REMOTE CONTROL SWITCH) |
| D55 | 22 | POWER WINDOW MAIN SWITCH (DOOR MIRROR REMOTE CONTROL SWITCH) |

2015/11/27

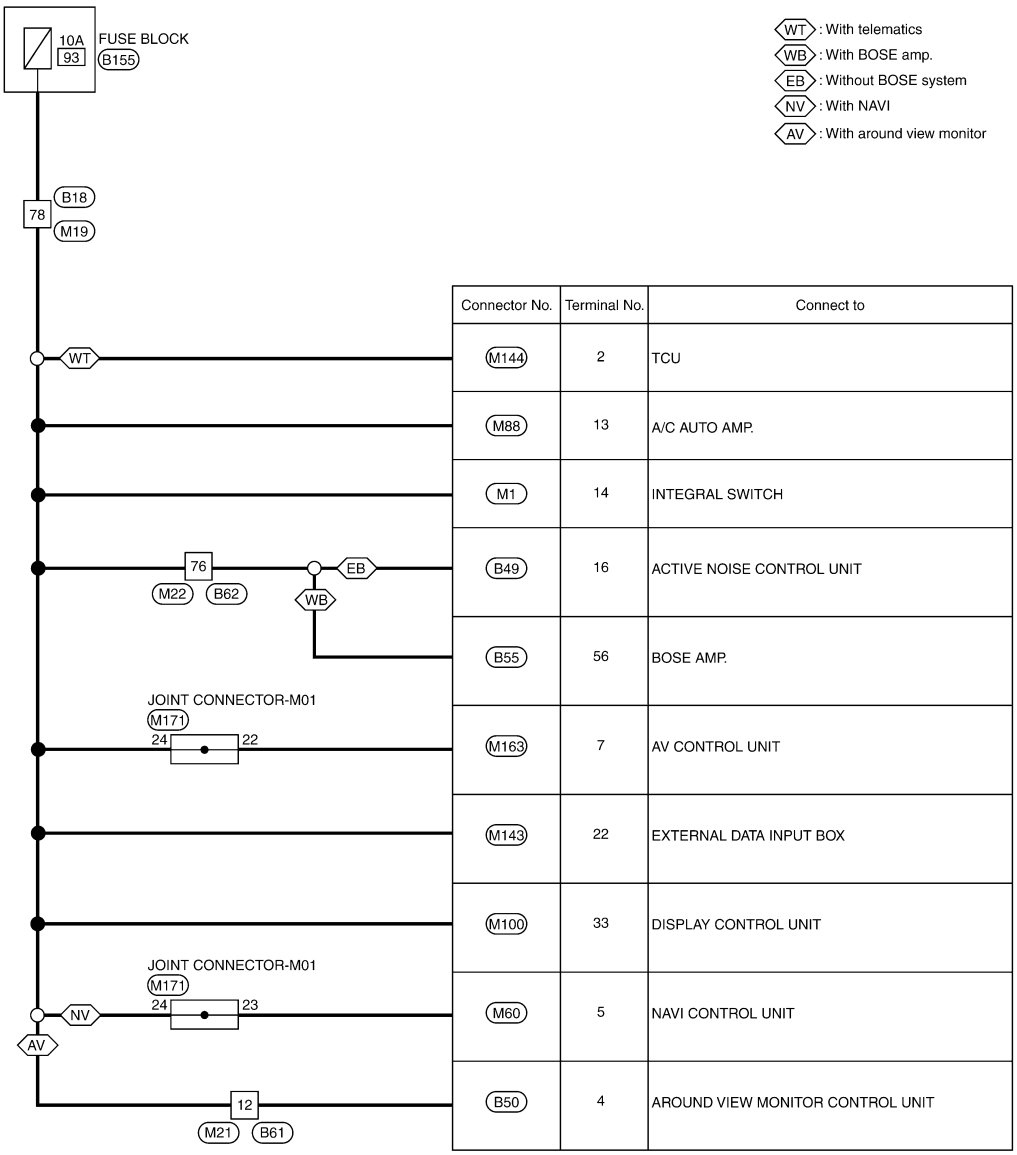
JRMWJ1859GB

## 2.0L TURBO GASOLINE ENGINE : Wiring Diagram - ACCESSORY POWER SUPPLY

# FUSE No. 93 -

INFOID:0000000013358874

## ACCESSORY POWER SUPPLY FUSE No. 93 (2.0L TURBO GASOLINE ENGINE)



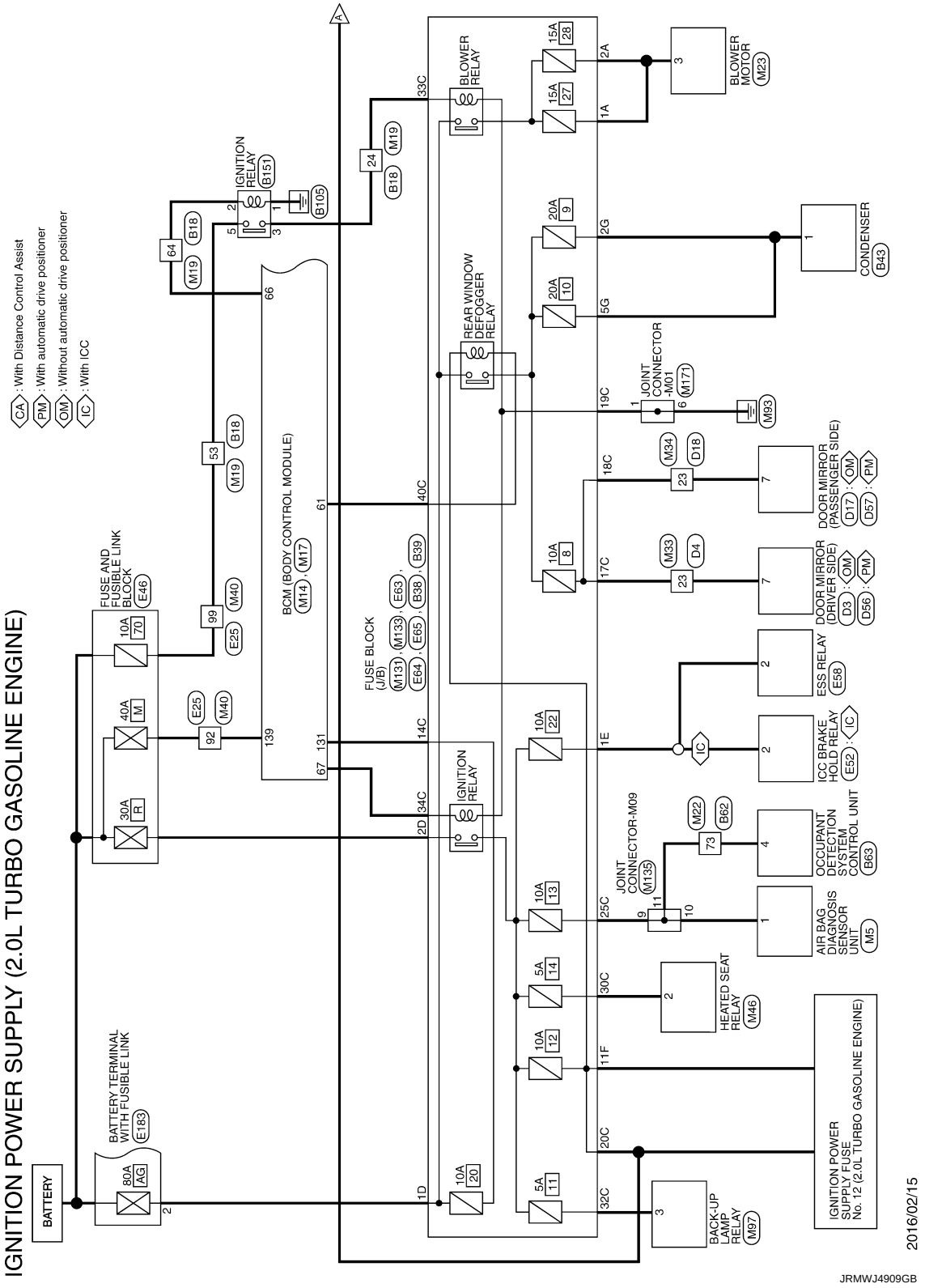

| Connector No. | Terminal No. | Connect to |
|---|---|---|
| M144 | 2 | TCU |
| M88 | 13 | A/C AUTO AMP. |
| M1 | 14 | INTEGRAL SWITCH |
| B49 | 16 | ACTIVE NOISE CONTROL UNIT |
| B55 | 56 | BOSE AMP. |
| M163 | 7 | AV CONTROL UNIT |
| M143 | 22 | EXTERNAL DATA INPUT BOX |
| M100 | 33 | DISPLAY CONTROL UNIT |
| M60 | 5 | NAVI CONTROL UNIT |
| B50 | 4 | AROUND VIEW MONITOR CONTROL UNIT |

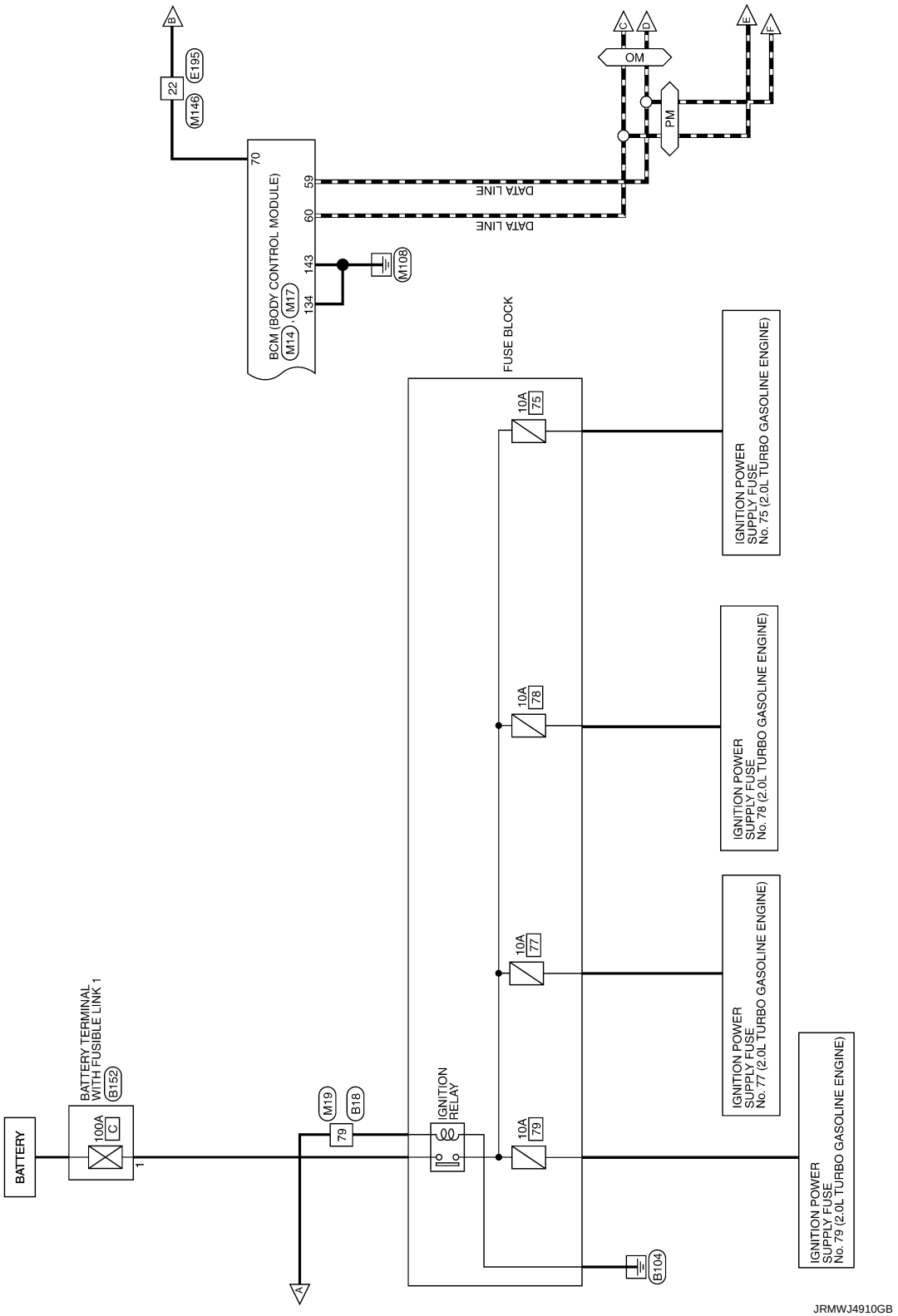
2015/11/27

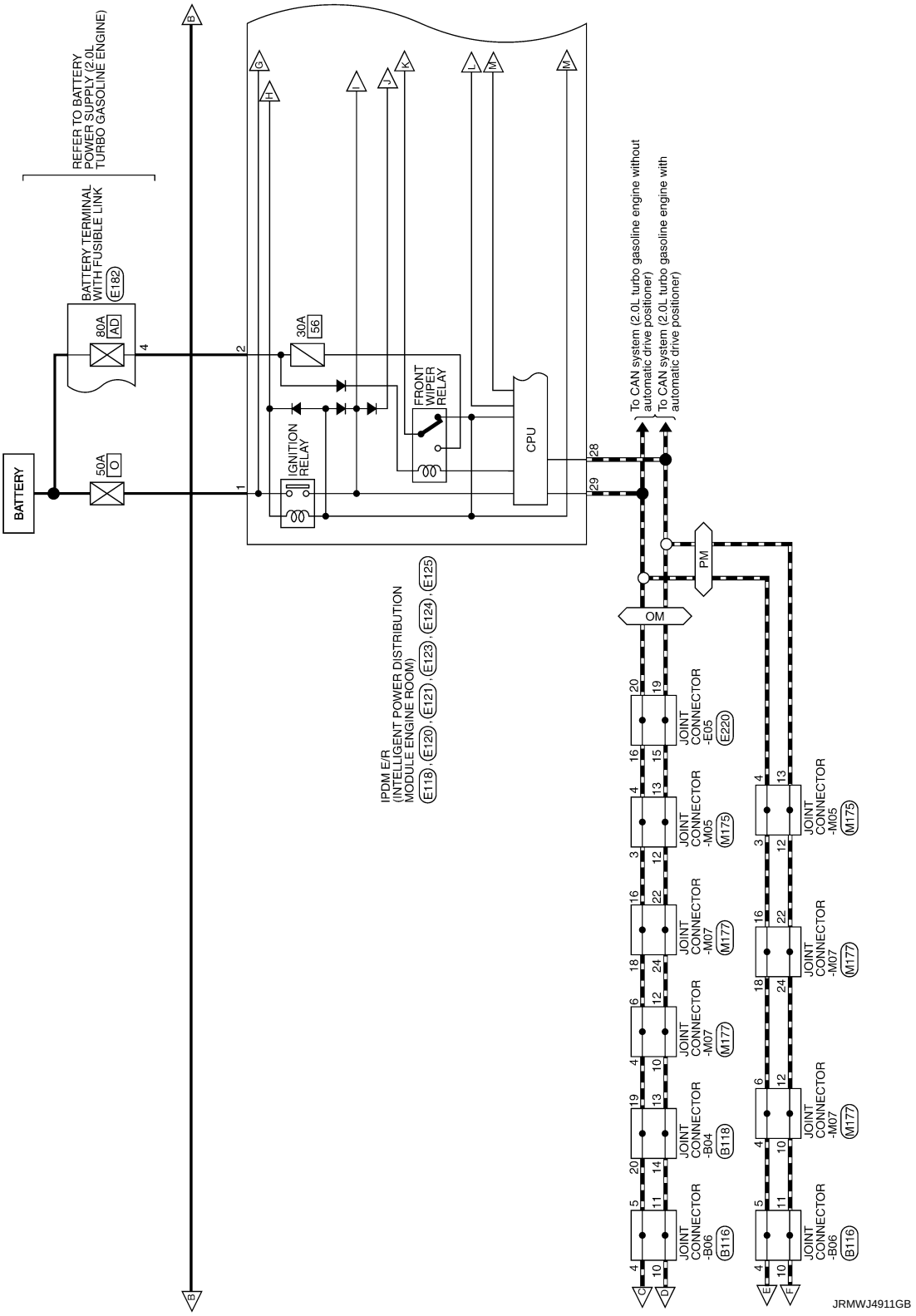
JRMWJ1860GB

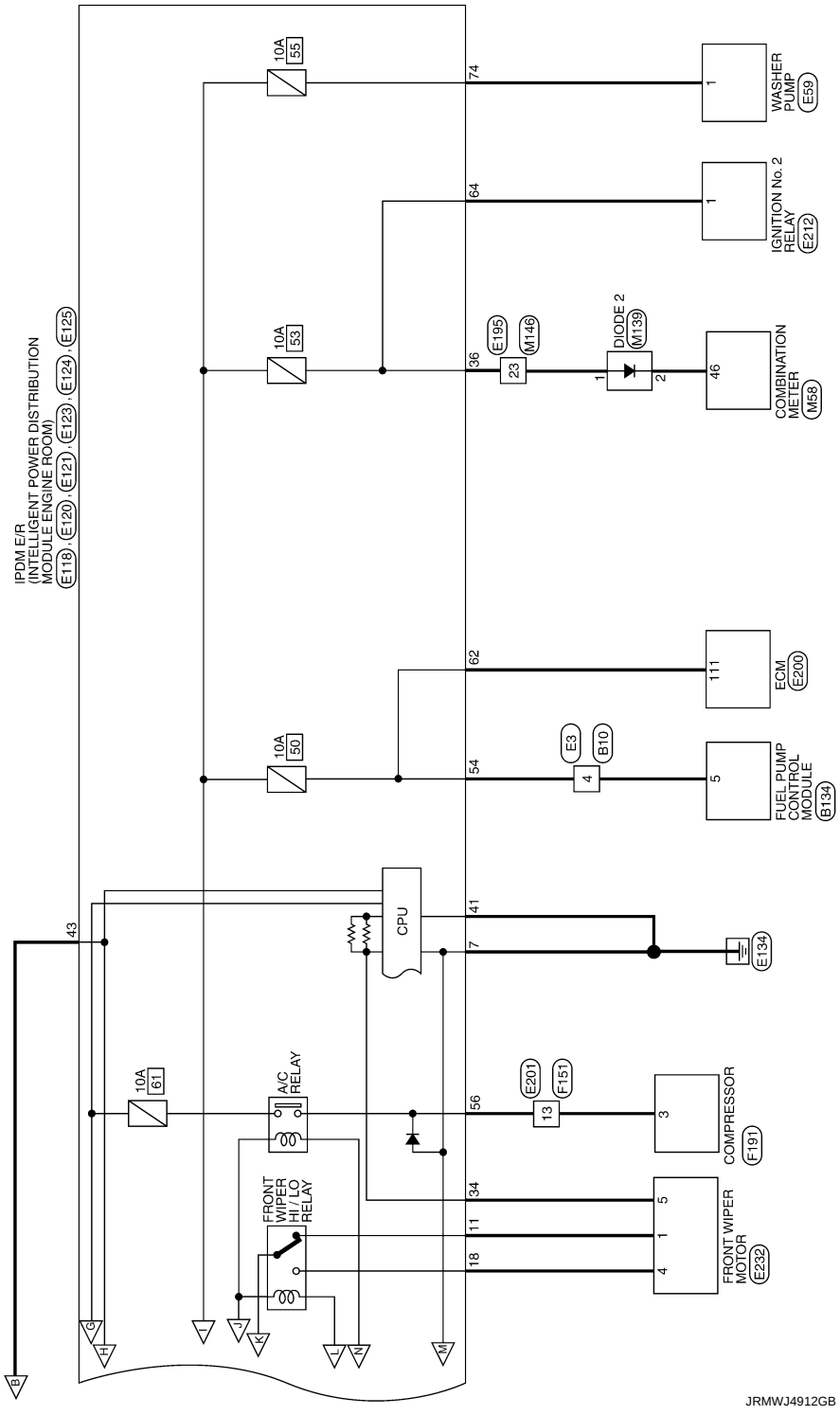
## 2.0L TURBO GASOLINE ENGINE : Wiring Diagram - IGNITION POWER SUPPLY -

INFOID:0000000013358791




B
22
E195
M146
70
BCM (BODY CONTROL MODULE)
M14
M17
134
143
59
60
DATA LINE
DATA LINE
M108
C
D
OM
PM
E
F
FUSE BLOCK
10A 75
10A 78
10A 77
10A 79
IGNITION POWER SUPPLY FUSE No. 75 (2.0L TURBO GASOLINE ENGINE)
IGNITION POWER SUPPLY FUSE No. 78 (2.0L TURBO GASOLINE ENGINE)
IGNITION POWER SUPPLY FUSE No. 77 (2.0L TURBO GASOLINE ENGINE)
IGNITION POWER SUPPLY FUSE No. 79 (2.0L TURBO GASOLINE ENGINE)
IGNITION RELAY
M19
B18
79
BATTERY TERMINAL WITH FUSIBLE LINK 1
B152
100A C
1
BATTERY
A
B104
JRMWJ4910GB


REFER TO BATTERY POWER SUPPLY (2.0L TURBO GASOLINE ENGINE)
BATTERY TERMINAL WITH FUSIBLE LINK (E182)
80A AD
50A O
30A 56
BATTERY
IGNITION RELAY
FRONT WIPER RELAY
CPU
To CAN system (2.0L turbo gasoline engine without automatic drive positioner)
To CAN system (2.0L turbo gasoline engine with automatic drive positioner)
IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) (E118), (E120), (E121), (E123), (E124), (E125)
PM
OM
JOINT CONNECTOR -E05 (E220)
JOINT CONNECTOR -M05 (M175)
JOINT CONNECTOR -M07 (M177)
JOINT CONNECTOR -B04 (B118)
JOINT CONNECTOR -B06 (B116)
JRMWJ4911GB


IPDM E/R
(INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
(E118), (E120), (E121), (E123), (E124), (E125)
10A 55
10A 53
10A 50
10A 61
74
64
36
62
54
43
41
7
56
34
11
18
WASHER PUMP
E59
IGNITION No. 2 RELAY
E212
DIODE 2
M139
E195
M146
23
COMBINATION METER
M58
ECM
E200
E3
B10
FUEL PUMP CONTROL MODULE
B134
CPU
E134
A/C RELAY
E201
F151
COMPRESSOR
F191
FRONT WIPER HI / LO RELAY
FRONT WIPER MOTOR
E232
JRMWJ4912GB

IGNITION POWER SUPPLY (2.0L TURBO GASOLINE ENGINE)

| Connector No. | B1 |
|---|---|
| Connector Name | ADAS CONTROL UNIT |
| Connector Type | TH24FW-NH |



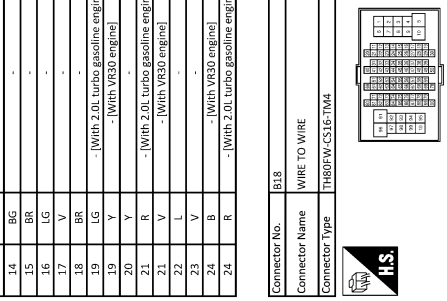
| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | L | CAN-H |
| 2 | R | CAN-L |
| 5 | B | GROUND |
| 6 | L | ITS COMM-H |
| 7 | Y | ITS COMM-L |
| 8 | L | CHASSIS COMM-H |
| 9 | R | CHASSIS COMM-L |
| 12 | G | IGNITION [Except with VR30 engine and without ISS] |
| 12 | GR | IGNITION [VR30 engine and without ISS] |
| 17 | V | BRAKE HOLD RLY DRIVE SIGNAL |
| 23 | Y | STEERING SW SIGNAL GROUND |
| 24 | SB | STEERING SW SIGNAL |

| Connector No. | B10 |
|---|---|
| Connector Name | WIRE TO WIRE |
| Connector Type | TH24FW-NH |



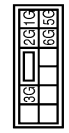
| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | LG | - [With 2.0L turbo gasoline engine] |
| 1 | Y | - [With VR30 engine] |
| 2 | W | - |
| 3 | LG | - |
| 4 | P | - [With VR30 engine] |
| 4 | SB | - [With 2.0L turbo gasoline engine] |
| 5 | L | - |
| 6 | V | - |
| 7 | LG | - |
| 8 | R | - |
| 9 | W | - |
| 10 | B | - |
| 11 | G | - |
| 12 | R | - |
| 13 | GR | - |
| 14 | BG | - |
| 15 | BR | - |
| 16 | LG | - |
| 17 | V | - |
| 18 | BR | - |
| 19 | LG | - [With 2.0L turbo gasoline engine] |
| 19 | Y | - [With VR30 engine] |
| 20 | Y | - |
| 21 | R | - [With 2.0L turbo gasoline engine] |
| 21 | V | - [With VR30 engine] |
| 22 | L | - |
| 23 | V | - |
| 24 | B | - [With VR30 engine] |
| 24 | R | - [With 2.0L turbo gasoline engine] |

| Connector No. | B18 |
|---|---|
| Connector Name | WIRE TO WIRE |
| Connector Type | TH80FW-CS16-TM4 |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | Y | - |
| 2 | G | - |
| 3 | L | - |
| 4 | LG | - |
| 5 | Y | - |
| 6 | R | - |
| 7 | V | - |
| 8 | LG | - |
| 10 | BG | - |
| 11 | BG | - |
| 12 | LG | - |
| 13 | GR | - |
| 14 | R | - |
| 15 | L | - |
| 16 | V | - |
| 18 | W | - |
| 19 | BR | - |
| 20 | W | - |
| 22 | R | - |
| 23 | V | - |
| 24 | R | - [With 2.0L turbo gasoline engine] |
| 24 | Y | - [With VR30 engine] |
| 25 | P | - [With 2.0L turbo gasoline engine and without gateway] |
| 25 | V | - [With 2.0L turbo gasoline engine and with gateway] |
| 25 | W | - [With VR30 engine] |
| 26 | G | - |
| 27 | R | - |
| 28 | R | - |
| 31 | B | - [With VR30 engine] |
| 31 | BR | - [With 2.0L turbo gasoline engine] |
| 32 | B | - |
| 33 | B | - |
| 34 | LG | - |
| 35 | P | - |
| 36 | W | - |
| 37 | SB | - |
| 38 | LG | - |
| 40 | P | - |
| 41 | SB | - |
| 42 | BR | - |
| 43 | BG | - |
| 44 | BG | - |
| 46 | R | - |
| 50 | W | - |
| 51 | SB | - |
| 52 | V | - |
| 53 | LG | - |
| 54 | R | - |
| 55 | R | - |
| 57 | W | - |
| 58 | V | - |
| 59 | GR | - |
| 60 | G | - |
| 61 | G | - |
| 62 | BG | - |
| 63 | BR | - |
| 64 | Y | - |
| 66 | R | - |
| 70 | R | - |
| 71 | W | - |
| 72 | B | - |
| 73 | W | - |
| 74 | L | - |
| 75 | R | - [Without paddle shift] |
| 75 | V | - [With paddle shift] |
| 76 | BR | - |
| 77 | B | - |
| 78 | SB | - |
| 79 | V | - [With VR30 engine] |
| 79 | W | - [With 2.0L turbo gasoline engine] |
| 81 | B | - |
| 82 | R | - |
| 83 | BG | - |
| 84 | L | - [Without paddle shift] |
| 85 | R | - [With paddle shift] |
| 85 | V | - |
| 86 | B | - |
| 88 | G | - |
| 89 | V | - [With 2.0L turbo gasoline engine] |
| 89 | W | - [With VR30 engine] |
| 91 | GR | - |
| 94 | GR | - |
| 96 | Y | - |
| 97 | V | - |
| 98 | BR | - [With VR30 engine and with BOSE system] |
| 98 | Y | - [Except with VR30 engine and with BOSE system] |

| Connector No. | B38 |
|---|---|
| Connector Name | FUSE BLOCK (J/B) |
| Connector Type | NS10FW-CS |



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

JRMWJ4913GB

IGNITION POWER SUPPLY (2.0L TURBO GASOLINE ENGINE)

| Connector No. | B39 |
|---|---|
| Connector Name | FUSE BLOCK (J/B) |
| Connector Type | TH10FB-NH |

H.S.




| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 10H | P | - |
| 3H | L | - |
| 4H | R | - |
| 5H | V | - |
| 6H | L | - |
| 7H | LG | - |
| 8H | P | - |
| 9H | GR | - |

| Connector No. | B43 |
|---|---|
| Connector Name | CONDENSER |
| Connector Type | M01FW-LC |

H.S.




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

| Connector No. | B49 |
|---|---|
| Connector Name | ACTIVE NOISE CONTROL UNIT |
| Connector Type | TH32FW-NH |

H.S.




| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | SHIELD | GND |
| 2 | P | CAN-L [For 2.0L turbo gasoline engine] |
| 2 | R | CAN-L [For VR30 engine] |
| 3 | B | ENGINE TYPE SIGNAL 1 |
| 4 | B | ENGINE TYPE SIGNAL 2 |
| 8 | G | FRONT MICROPHONE SIGNAL (+) |
| 9 | BG | REAR MICROPHONE SIGNAL (+) |
| 12 | G | SOUND SIGNAL FRONT LH (+) |
| 13 | R | SOUND SIGNAL FRONT RH (+) |
| 14 | LG | SOUND SIGNAL REAR LH (+) |
| 15 | B | SOUND SIGNAL REAR RH (+) |
| 16 | V | ACC |
| 18 | L | CAN-H |
| 19 | P | ENGINE SPEED SIGNAL |
| 20 | W | IGN |
| 23 | B | GND |
| 24 | R | FRONT MICROPHONE SIGNAL (-) |
| 25 | W | REAR MICROPHONE SIGNAL (-) |
| 28 | L | SOUND SIGNAL FRONT LH (-) |
| 29 | L | SOUND SIGNAL FRONT RH (-) |
| 30 | P | SOUND SIGNAL REAR LH (-) |
| 31 | W | SOUND SIGNAL REAR RH (-) |
| 32 | Y | BAT |

| Connector No. | B50 |
|---|---|
| Connector Name | AROUND VIEW MONITOR CONTROL UNIT |
| Connector Type | TH40FW-NH |

H.S.




| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | B | GND |
| 2 | Y | BAT |
| 3 | LG | IGN |
| 4 | P | ACC |
| 19 | P | AV COMM (H) |
| 20 | LG | AV COMM (L) |
| 23 | SHIELD | AV COMM GND |
| 25 | BG | REVERSE SIGNAL |
| 27 | L | CAN-H |
| 28 | P | CAN-L [Without ADAS] [For VR30 engine] |
| 28 | R | CAN-L [With ADAS] |
| 28 | Y | CAN-L [Without ADAS] [For 2.0L turbo gasoline engine] |
| 29 | B | CAN GND |
| 30 | W | RETRACT MOTOR OPERATING SIGNAL (OPEN) |
| 32 | G | RETRACT MOTOR OPERATING SIGNAL (CLOSE) |

| Connector No. | B62 |
|---|---|
| Connector Name | WIRE TO WIRE |
| Connector Type | TH80FW-CS16-TM4 |

H.S.



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | BR | - [With 2.0L turbo gasoline engine and without BOSE System] |
| 1 | LG | - [With VR30 engine] |
| 1 | W | - [With 2.0L turbo gasoline engine and with BOSE system] |
| 2 | L | - [With VR30 engine] |
| 2 | SHIELD | - [With 2.0L turbo gasoline engine] |

| 3 | BR | - [With 2.0L turbo gasoline engine] |
|---|---|---|
| 3 | R | - [With VR30 engine and with BOSE system] |
| 3 | W | - [With VR30 engine and without BOSE system] |
| 4 | SHIELD | - [With VR30 engine] |
| 4 | Y | - [With 2.0L turbo gasoline engine] |
| 5 | G | - [With VR30 engine] |
| 5 | V | - [With 2.0L turbo gasoline engine] |
| 6 | BG | - [With VR30 engine] |
| 6 | BR | - [With 2.0L turbo gasoline engine] |
| 7 | B | - [With 2.0L turbo gasoline engine and with BOSE system] |
| 7 | BR | - [With VR30 engine and without BOSE system] |
| 7 | W | - [With VR30 engine and with BOSE system] |
| 7 | Y | - [With 2.0L turbo gasoline engine and without BOSE System] |
| 8 | B | - [With VR30 engine and with BOSE system] |
| 8 | G | - [With 2.0L turbo gasoline engine] |
| 8 | Y | - [With VR30 engine and without BOSE system] |
| 9 | LG | - [With 2.0L turbo gasoline engine] |
| 9 | SHIELD | - [With VR30 engine] |
| 10 | V | - |
| 11 | GR | - |
| 12 | Y | - |
| 13 | R | - |
| 14 | BG | - |
| 15 | BG | - [With 2.0L turbo gasoline engine] |
| 15 | GR | - [With VR30 engine] |
| 16 | V | - |
| 17 | P | - |
| 18 | L | - |
| 19 | R | - |
| 20 | GR | - |
| 21 | R | - |
| 22 | V | - |
| 23 | W | - |
| 24 | BG | - [With 2.0L turbo gasoline engine] |
| 24 | V | - [With VR30 engine] |
| 25 | L | - [With 2.0L turbo gasoline engine] |
| 25 | SB | - [With VR30 engine] |
| 26 | G | - [With VR30 engine] |
| 26 | W | - [With 2.0L turbo gasoline engine] |
| 27 | R | - |
| 29 | LG | - |
| 30 | LG | - [With 2.0L turbo gasoline engine] |
| 30 | P | - [With VR30 engine] |
| 31 | SHIELD | - |
| 32 | L | - |
| 33 | B | - [With VR30 engine] |
| 33 | LG | - [With 2.0L turbo gasoline engine] |
| 34 | SHIELD | - |
| 35 | LG | - [With VR30 engine] |
| 35 | W | - [With 2.0L turbo gasoline engine] |

JRMWJ4914GB

IGNITION POWER SUPPLY (2.0L TURBO GASOLINE ENGINE)

| | | |
|---|---|---|
| 36 | R | - [With VR30 engine] |
| 36 | W | - [With 2.0L turbo gasoline engine] |
| 37 | P | - [With 2.0L turbo gasoline engine and without BOSE system] |
| 37 | R | - [With VR30 engine] |
| 37 | W | - [With 2.0L turbo gasoline engine and with BOSE system] |
| 38 | W | - |
| 39 | P | - [With VR30 engine and without BOSE system] |
| 39 | R | - [With 2.0L turbo gasoline engine] |
| 39 | W | - [With VR30 engine and with BOSE system] |
| 40 | G | - |
| 41 | L | - |
| 42 | R | - |
| 43 | SHIELD | - |
| 44 | P | - |
| 45 | B | - [With 2.0L turbo gasoline engine] |
| 45 | G | - [With VR30 engine] |
| 46 | SHIELD | - |
| 47 | G | - |
| 48 | BG | - |
| 49 | G | - |
| 50 | V | - |
| 51 | GR | - |
| 52 | W | - [With 2.0L turbo gasoline engine] |
| 52 | Y | - [With VR30 engine] |
| 53 | R | - |
| 54 | GR | - |
| 55 | L | - |
| 56 | V | - |
| 57 | R | - |
| 58 | LG | - |
| 59 | P | - |
| 61 | L | - |
| 62 | P | - [With VR30 engine] |
| 62 | V | - [With 2.0L turbo gasoline engine] |
| 63 | L | - |
| 64 | W | - |
| 66 | LG | - |
| 68 | L | - |
| 69 | P | - |
| 71 | GR | - [With 2.0L turbo gasoline engine] |
| 71 | R | - [With VR30 engine] |
| 72 | G | - [With VR30 engine] |
| 72 | Y | - [With 2.0L turbo gasoline engine] |
| 73 | R | - [With 2.0L turbo gasoline engine] |
| 73 | SHIELD | - [With VR30 engine] |
| 74 | BG | - [With 2.0L turbo gasoline engine] |
| 74 | L | - [With VR30 engine] |
| 75 | GR | - [With 2.0L turbo gasoline engine] |
| 75 | V | - [With VR30 engine] |
| 76 | GR | - [With VR30 engine] |
| 76 | V | - [With 2.0L turbo gasoline engine] |
| 77 | P | - |
| 78 | L | - |
| 79 | R | - |
| 80 | GR | - [With 2.0L turbo gasoline engine] |
| 80 | W | - [With VR30 engine] |
| 81 | B | - [With VR30 engine] |
| 81 | R | - [With 2.0L turbo gasoline engine] |
| 82 | G | - [With 2.0L turbo gasoline engine] |
| 82 | SHIELD | - [With VR30 engine] |
| 83 | R | - [With 2.0L turbo gasoline engine] |
| 83 | W | - [With VR30 engine] |
| 84 | BR | - [With VR30 engine] |
| 84 | SHIELD | - [With 2.0L turbo gasoline engine] |
| 85 | BG | - [With VR30 engine] |
| 85 | G | - [With 2.0L turbo gasoline engine] |
| 86 | R | - [With 2.0L turbo gasoline engine] |
| 86 | W | - [With VR30 engine] |
| 87 | LG | - [With VR30 engine] |
| 87 | SHIELD | - [With 2.0L turbo gasoline engine] |
| 89 | LG | - |
| 90 | P | - [With 2.0L turbo gasoline engine] |
| 90 | V | - [With VR30 engine] |
| 92 | L | - [With 2.0L turbo gasoline engine] |
| 92 | W | - [With VR30 engine] |
| 93 | R | - [With VR30 engine] |
| 93 | SHIELD | - [With 2.0L turbo gasoline engine] |
| 94 | R | - |
| 95 | L | - [With 2.0L turbo gasoline engine] |
| 95 | Y | - [With VR30 engine] |
| 96 | R | - [With 2.0L turbo gasoline engine] |
| 96 | W | - [With VR30 engine] |
| 97 | L | - [With VR30 engine] |
| 97 | R | - [With 2.0L turbo gasoline engine and with BOSE system] |
| 97 | W | - [With 2.0L turbo gasoline engine and without BOSE system] |
| 98 | LG | - |
| 99 | BR | - [With VR30 engine and with BOSE system] |
| 99 | P | - [With 2.0L turbo gasoline engine] |
| 99 | Y | - [With VR30 engine and without BOSE system] |
| 100 | BR | - [With VR30 engine] |
| 100 | W | - [With 2.0L turbo gasoline engine] |

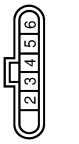
| | |
|---|---|
| Connector No. | B63 |
| Connector Name | OCCUPANT DETECTION SYSTEM CONTROL UNIT |
| Connector Type | TH08FW-NH |

H.S.


| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 2 | V | COMMUNICATION |
| 4 | R | IGN |
| 5 | B | GND |
| 7 | Y | K-LINE |

| | |
|---|---|
| Connector No. | B92 |
| Connector Name | SIDE RADAR LH |
| Connector Type | AAC06FB-WP-5P |

H.S.




| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 2 | B | GROUND |
| 3 | R | ITS COMM-L |
| 4 | L | ITS COMM-H |
| 5 | GR | IGNITION |
| 6 | BR | BLIND SPOT WARNING/BLIND SPOT INTERVENTION INDICATOR |

| | |
|---|---|
| Connector No. | B93 |
| Connector Name | SIDE RADAR RH |
| Connector Type | AAC06FB-WP |

H.S.




| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | B | RIGHT/LEFT SWITCHING SIGNAL |
| 2 | B | GROUND |
| 3 | P | ITS COMM-L |
| 4 | L | ITS COMM-H |
| 5 | GR | IGNITION |
| 6 | SB | BLIND SPOT WARNING/BLIND SPOT INTERVENTION INDICATOR |

| | |
|---|---|
| Connector No. | B116 |
| Connector Name | JOINT CONNECTOR-B06 |
| Connector Type | 24342_4GA2A |

H.S.




| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | L | - |
| 2 | L | - |
| 3 | L | - |
| 4 | L | - |
| 5 | L | - |
| 6 | L | - |
| 7 | R | - |
| 8 | R | - [With Gateway] |
| 8 | V | - [Without Gateway] |
| 9 | R | - [With Gateway] |
| 9 | V | - [Without Gateway] |
| 10 | R | - [With VR30 engine] |
| 10 | V | - [With 2.0L turbo gasoline engine] |
| 11 | V | - |

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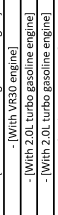
IGNITION POWER SUPPLY (2.0L TURBO GASOLINE ENGINE)

| | | |
|---|---|---|
| 12 | P | - [With Gateway] |
| 12 | R | - [Without Gateway] |
| 13 | SHIELD | - |
| 14 | SHIELD | - |
| 15 | B | - [With 2.0L turbo gasoline engine] |
| 15 | SHIELD | - [With VR30 engine] |
| 16 | L | - [With VR30 engine] |
| 16 | SHIELD | - [With 2.0L turbo gasoline engine] |
| 17 | L | - [With VR30 engine] |
| 17 | SHIELD | - [With 2.0L turbo gasoline engine] |
| 18 | L | - [With VR30 engine] |
| 18 | SHIELD | - [With 2.0L turbo gasoline engine] |
| 19 | L | - [With 2.0L turbo gasoline engine] |
| 19 | SHIELD | - [With VR30 engine] |
| 20 | L | - [With 2.0L turbo gasoline engine] |
| 20 | SHIELD | - [With VR30 engine] |
| 21 | L | - |
| 22 | P | - |
| 23 | P | - |
| 24 | P | - [With VR30 engine] |
| 24 | Y | - [With 2.0L turbo gasoline engine] |

| | | |
|---|---|---|
| 8 | LG | - [With 2.0L turbo gasoline engine] |
| 8 | R | - [With VR30 engine and without paddle shift] |
| 8 | V | - [With VR30 engine and with paddle shift] |
| 9 | LG | - [With 2.0L turbo gasoline engine] |
| 9 | R | - [With VR30 engine and without paddle shift] |
| 9 | V | - [With VR30 engine and with paddle shift] |
| 10 | LG | - [With 2.0L turbo gasoline engine] |
| 10 | SHIELD | - [With VR30 engine] |
| 11 | LG | - [With 2.0L turbo gasoline engine] |
| 11 | SHIELD | - [With VR30 engine] |
| 12 | LG | - [With 2.0L turbo gasoline engine] |
| 12 | SHIELD | - [With VR30 engine] |
| 13 | L | - [With VR30 engine] |
| 13 | P | - [With 2.0L turbo gasoline engine and without gateway] |
| 13 | R | - [With 2.0L turbo gasoline engine and with gateway] |
| 14 | L | - [With VR30 engine] |
| 14 | P | - [With 2.0L turbo gasoline engine and without gateway] |
| 14 | R | - [With 2.0L turbo gasoline engine and with gateway] |
| 15 | L | - [With VR30 engine] |
| 15 | R | - [With 2.0L turbo gasoline engine] |
| 16 | L | - |
| 17 | L | - |
| 18 | L | - |
| 19 | L | - [With 2.0L turbo gasoline engine] |
| 19 | SHIELD | - [With VR30 engine] |
| 20 | L | - [With 2.0L turbo gasoline engine] |
| 20 | SHIELD | - [With VR30 engine] |
| 21 | L | - [With 2.0L turbo gasoline engine] |
| 21 | SHIELD | - [With VR30 engine] |
| 22 | R | - |
| 23 | R | - |
| 24 | R | - |

| | |
|---|---|
| Connector No. | B118 |
| Connector Name | JOINT CONNECTOR-B04 |
| Connector Type | 24342_4GA2A |



| | |
|---|---|
| Connector No. | B128 |
| Connector Name | DIODE-1 |
| Connector Type | ET02-2W |

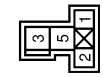
| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | LG | - [With VR30 engine] |
| 1 | SHIELD | - [With 2.0L turbo gasoline engine] |
| 2 | LG | - [With VR30 engine] |
| 2 | SHIELD | - [With 2.0L turbo gasoline engine] |
| 3 | SHIELD | - |
| 4 | LG | - [With VR30 engine] |
| 4 | SHIELD | - [With 2.0L turbo gasoline engine] |
| 5 | LG | - [With VR30 engine] |
| 5 | SHIELD | - [With 2.0L turbo gasoline engine] |
| 6 | LG | - [With VR30 engine] |
| 6 | SHIELD | - [With 2.0L turbo gasoline engine] |
| 7 | R | - [Color of wire differs depending on production] |
| 7 | V | - [Color of wire differs depending on production] |

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

| | |
|---|---|
| Connector No. | B134 |
| Connector Name | FUEL PUMP CONTROL MODULE |
| Connector Type | Tyco_1-969474-1 |

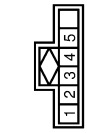
| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 2 | R | FUEL PUMP ACTIVATION REQUEST SIGNAL |
| 3 | L | DRIVETRAIN CAN-H |
| 4 | V | DRIVETRAIN CAN-L |
| 5 | SB | IGNITION POWER SUPPLY |
| 6 | Y | SENSOR GROUND [FUEL PRESSURE SENSOR] |
| 7 | R | FUEL PRESSURE SENSOR SIGNAL |
| 8 | LG | SENSOR POWER SUPPLY [FUEL PRESSURE SENSOR] |

| | |
|---|---|
| Connector No. | B136 |
| Connector Name | TCM RELAY |
| Connector Type | M502FL-M2-LC |



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

| | |
|---|---|
| Connector No. | B138 |
| Connector Name | SUB ELECTRIC OIL PUMP INVERTER |
| Connector Type | A06FW |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | R | IGN |
| 2 | L | A/T RELAY |
| 3 | L | CAN-H |
| 4 | V | CAN-L |
| 5 | LG | E-OP RELAY |

| | |
|---|---|
| Connector No. | B150 |
| Connector Name | SUB ELECTRIC OIL PUMP RELAY |
| Connector Type | 24347_9F900 |

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | R | - |
| 2 | LG | - |
| 3 | R | - |
| 5 | G | - |

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IGNITION POWER SUPPLY (2.0L TURBO GASOLINE ENGINE)

| Connector No. | B151 |
|---|---|
| Connector Name | IGNITION RELAY |
| Connector Type | MS02FL-M2-LC |

H.S.

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

| Connector No. | B152 |
|---|---|
| Connector Name | BATTERY TERMINAL WITH FUSIBLE LINK 1 |
| Connector Type | L02FBR-MC |

H.S.



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

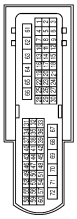
| Connector No. | D3 |
|---|---|
| Connector Name | DOOR MIRROR (DRIVER SIDE) |
| Connector Type | TH24MW-NH |

H.S.

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 2 | R | - |
| 3 | G | - |
| 5 | B | - |
| 6 | W | - |
| 7 | L | - |
| 10 | Y | - |
| 11 | GR | - |
| 12 | L | - |
| 14 | B | - |
| 17 | SHIELD | - |
| 18 | R | - |
| 19 | B | - |

| Connector No. | D4 |
|---|---|
| Connector Name | WIRE TO WIRE |
| Connector Type | NH60FW-TS12 |

H.S.



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 2 | SB | - |
| 4 | BG | - |
| 5 | R | - |
| 6 | V | - |
| 7 | LG | - |
| 8 | G | - |
| 9 | GR | - |
| 10 | Y | - |
| 11 | SHIELD | - |
| 12 | BG | - |
| 13 | L | - |
| 14 | B | - |
| 15 | Y | - |
| 16 | GR | - |
| 17 | R | - |
| 18 | GR | - |
| 19 | R | - |
| 20 | W | - |
| 21 | LG | - |
| 22 | W | - |
| 23 | L | - |
| 24 | G | - |
| 25 | BR | - |
| 26 | R | - |
| 27 | BR | - |
| 28 | V | - |
| 29 | B | - |
| 30 | W | - |
| 31 | P | - |
| 32 | Y | - |
| 33 | BR | - |
| 34 | L | - |
| 35 | R | - |
| 36 | GR | - |
| 37 | G | - |
| 40 | LG | - [Color of wire differs depending on production] |
| 40 | P | - [Color of wire differs depending on production] |
| 41 | L | - |
| 43 | BG | - |
| 44 | Y | - |
| 46 | W | - |
| 47 | R | - |
| 49 | BR | - |
| 50 | B | - |
| 52 | V | - |
| 53 | GR | - |
| 55 | GR | - [Color of wire differs depending on production] |
| 55 | SB | - [Color of wire differs depending on production] |
| 56 | BR | - |
| 57 | R | - |
| 58 | L | - |
| 59 | V | - |
| 60 | G | - |
| 61 | BG | - |
| 62 | Y | - |
| 63 | SB | - |
| 64 | B | - |
| 65 | Y | - |
| 66 | BR | - |
| 68 | Y | - |
| 69 | L | - |
| 70 | W | - |
| 71 | LG | - |
| 72 | P | - |

| Connector No. | D17 |
|---|---|
| Connector Name | DOOR MIRROR (PASSENGER SIDE) |
| Connector Type | TH24MW-NH |

H.S.

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 2 | R | - |
| 3 | W | - |
| 5 | B | - |
| 6 | R | - |
| 7 | BG | - |
| 10 | G | - |
| 11 | V | - |
| 12 | Y | - |
| 14 | B | - |
| 17 | SHIELD | - |
| 18 | G | - |
| 19 | B | - |

JRMWJ4917GB

IGNITION POWER SUPPLY (2.0L TURBO GASOLINE ENGINE)

| Connector No. | D18 |
|---|---|
| Connector Name | WIRE TO WIRE |
| Connector Type | NH60FW-TS12 |

H.S.



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | GR | - |
| 2 | P | - |
| 4 | SB | - |
| 5 | BR | - |
| 6 | Y | - |
| 7 | LG | - |
| 8 | W | - |
| 9 | L | - |
| 10 | L | - |
| 11 | GR | - |
| 13 | Y | - |
| 14 | R | - |
| 16 | R | - |
| 17 | B | - |
| 18 | W | - |
| 19 | B | - |
| 20 | G | - |
| 21 | SHIELD | - |
| 22 | GR | - |
| 23 | BG | - |
| 24 | B | - |
| 25 | BR | - |
| 26 | V | - |
| 27 | G | - |
| 28 | V | - |
| 29 | Y | - |
| 30 | R | - |
| 49 | LG | - |
| 52 | P | - |
| 55 | L | - |
| 56 | Y | - |
| 57 | R | - |
| 58 | SB | - |
| 59 | R | - |
| 60 | G | - |
| 63 | B | - |
| 64 | Y | - |
| 65 | BR | - |
| 66 | GR | - |
| 69 | W | - |
| 70 | L | - |
| 71 | BG | - |
| 72 | Y | - |

| Connector No. | D56 |
|---|---|
| Connector Name | DOOR MIRROR (DRIVER SIDE) |
| Connector Type | TH24MW-NH |

H.S.



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | GR | - |
| 2 | R | - |
| 3 | G | - |
| 5 | B | - |
| 6 | W | - |
| 7 | L | - |
| 8 | SB | - |
| 9 | P | - |
| 10 | Y | - |
| 11 | GR | - |
| 12 | BG | - |
| 13 | V | - |
| 14 | B | - |
| 17 | SHIELD | - |
| 18 | R | - |
| 19 | B | - |
| 21 | BR | - |
| 22 | LG | - |
| 23 | W | - |
| 24 | G | - |

| Connector No. | D57 |
|---|---|
| Connector Name | DOOR MIRROR (PASSENGER SIDE) |
| Connector Type | TH24MW-NH |

H.S.



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | L | - |
| 2 | R | - |
| 3 | W | - |
| 5 | B | - |
| 6 | R | - |
| 7 | BG | - |
| 8 | LG | - |
| 9 | SB | - |
| 10 | G | - |
| 11 | V | - |
| 12 | Y | - |
| 13 | Y | - |
| 14 | B | - |
| 17 | SHIELD | - |
| 18 | G | - |
| 19 | B | - |
| 21 | P | - |
| 22 | BR | - |
| 23 | W | - |
| 24 | GR | - |

| Connector No. | E3 |
|---|---|
| Connector Name | WIRE TO WIRE |
| Connector Type | TH24MW-NH |

H.S.



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | LG | - [With 2.0L turbo gasoline engine] |
| 1 | Y | - [With VR30 engine] |
| 2 | W | - |
| 3 | LG | - |
| 4 | P | - [With VR30 engine] |
| 4 | SB | - [With 2.0L turbo gasoline engine] |
| 5 | L | - |
| 6 | Y | - |
| 7 | LG | - |
| 8 | BG | - |
| 9 | W | - |
| 10 | B | - |
| 11 | G | - |
| 12 | R | - |
| 13 | GR | - |
| 14 | G | - |
| 15 | LG | - [With 2.0L turbo gasoline engine] |
| 15 | V | - [With VR30 engine] |
| 16 | Y | - |
| 17 | P | - |
| 18 | BR | - |
| 19 | LG | - [With 2.0L turbo gasoline engine] |
| 19 | Y | - [With VR30 engine] |
| 20 | GR | - |
| 21 | R | - [With 2.0L turbo gasoline engine] |
| 21 | V | - [With VR30 engine] |
| 22 | L | - |
| 23 | P | - |
| 24 | B | - [With VR30 engine] |
| 24 | BR | - [With 2.0L turbo gasoline engine] |

JRMWJ4918GB

## IGNITION POWER SUPPLY (2.0L TURBO GASOLINE ENGINE)

| Connector No. | E21 |
|---|---|
| Connector Name | HEADLAMP AIMING MOTOR LH |
| Connector Type | HS03FGY |

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | W | AIMER_SIG |
| 2 | B | AIMER_GND |
| 3 | G | AIMER_VCC [With VR30 engine] |
| 3 | GR | AIMER_VCC [With 2.0L turbo gasoline engine] |

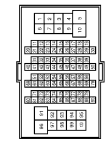
| Connector No. | E22 |
|---|---|
| Connector Name | CHASSIS CONTROL MODULE |
| Connector Type | TH24FW-NH |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 3 | P | CAN-L [Without Gateway] |
| 3 | R | CAN-L [With Gateway] |
| 4 | L | CAN-H |
| 5 | V | DRIVE MODE SELECT SWITCH (UP) [With VR30 engine] |
| 5 | Y | DRIVE MODE SELECT SWITCH (UP) [With 2.0L turbo gasoline engine] |
| 6 | G | DRIVE MODE SELECT SW (DOWN) [With 2.0L turbo gasoline engine] |
| 6 | Y | DRIVE MODE SELECT SW (DOWN) [With VR30 engine] |
| 7 | W | CHASSIS COMM-L |
| 8 | W | CHASSIS COMM-L |
| 10 | BG | IGN [With 2.0L turbo gasoline engine] |
| 10 | G | IGN [With VR30 engine] |
| 11 | L | CHASSIS COMM-H |
| 12 | B | GROUND [With VR30 engine] |
| 12 | B/W | GROUND [With 2.0L turbo gasoline engine] |
| 19 | BR | CHASSIS COMM-H [With VR30 engine] |
| 19 | L | CHASSIS COMM-H [With 2.0L turbo gasoline engine] |

| 23 | G | ESS RELAY [With VR30 engine] |
|---|---|---|
| 23 | R | ESS RELAY [With 2.0L turbo gasoline engine] |

| Connector No. | E25 |
|---|---|
| Connector Name | WIRE TO WIRE |
| Connector Type | TH80FW-CS16-TM4 |



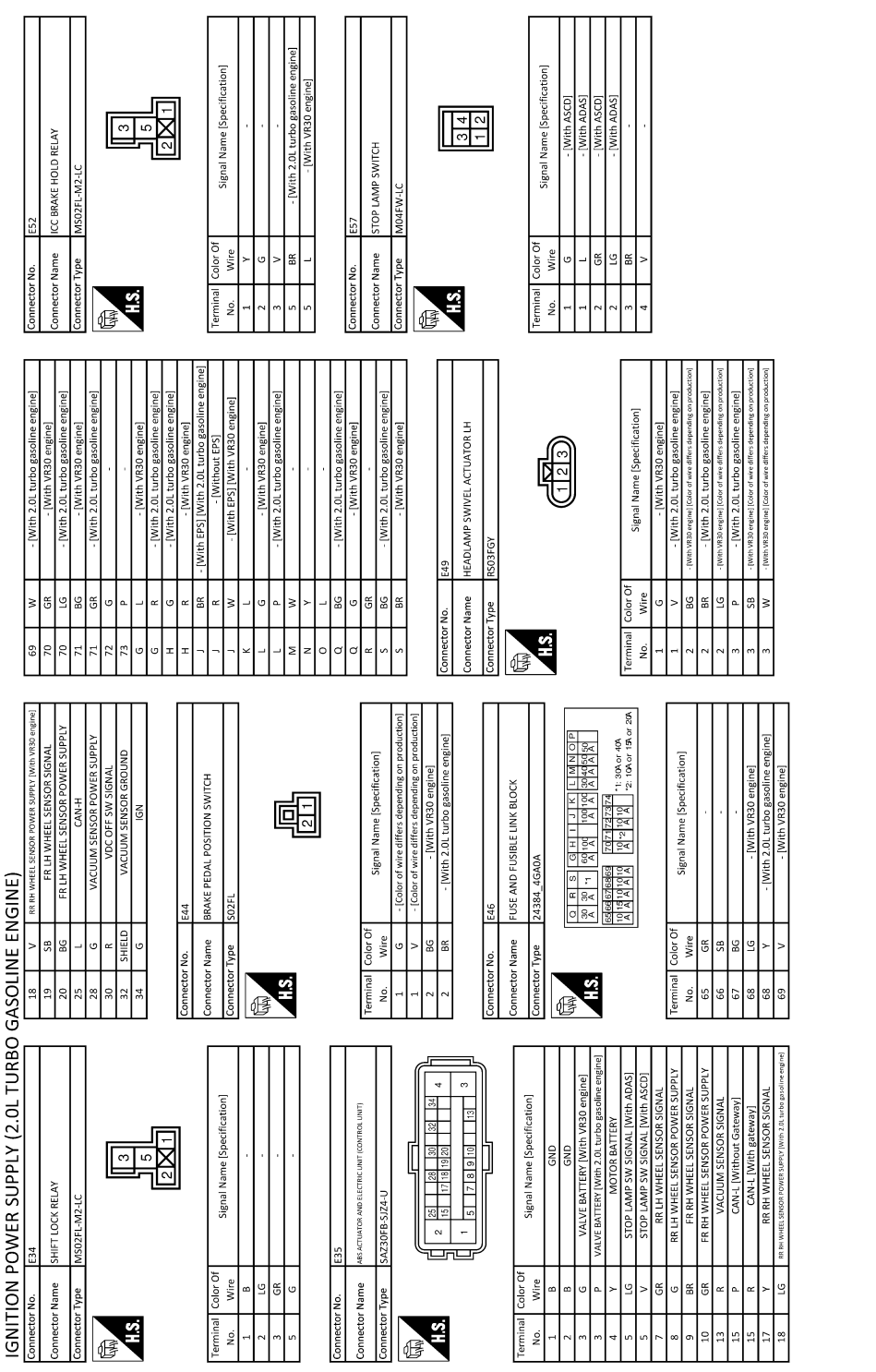
| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | BG | - |
| 6 | V | - |
| 7 | L | - |
| 8 | BG | - [With VR30 engine] |
| 8 | BR | - [With 2.0L turbo gasoline engine] |
| 9 | B | - [With 2.0L turbo gasoline engine] |
| 9 | GR | - [With VR30 engine] [Color of wire differs depending on production] |
| 9 | LG | [With VR30 engine] [Color of wire differs depending on production] |
| 10 | BR | - |
| 11 | L | - |
| 12 | GR | - [With VR30 engine] |
| 12 | P | - [With 2.0L turbo gasoline engine] |
| 13 | SHIELD | - [With 2.0L turbo gasoline engine] |
| 13 | W | - [With VR30 engine] |
| 14 | B | - |
| 15 | GR | - [With 2.0L turbo gasoline engine] |
| 15 | SB | - [With VR30 engine] |
| 16 | BR | - [With 2.0L turbo gasoline engine] |
| 16 | Y | - [With VR30 engine] |
| 17 | BR | - [With VR30 engine] |
| 17 | GR | - [With 2.0L turbo gasoline engine] |
| 18 | G | - [With 2.0L turbo gasoline engine] |
| 18 | P | - [With VR30 engine] |
| 19 | Y | - |
| 31 | W | - [With 2.0L turbo gasoline engine] |
| 31 | Y | - [With VR30 engine] |
| 32 | G | - [With 2.0L turbo gasoline engine] |
| 32 | GR | - [With VR30 engine] |
| 33 | L | - [With VR30 engine] |
| 33 | Y | - [With 2.0L turbo gasoline engine] |
| 34 | P | - |
| 35 | GR | - |

| 36 | R | - |
|---|---|---|
| 37 | L | - [With 2.0L turbo gasoline engine] |
| 37 | V | - [With VR30 engine] |
| 38 | L | - [With VR30 engine] |
| 38 | P | [With 2.0L turbo gasoline engine and without gateway] |
| 38 | R | [With 2.0L turbo gasoline engine and with gateway] |
| 39 | BR | - [With 2.0L turbo gasoline engine] |
| 39 | Y | - [With VR30 engine] |
| 40 | SB | - |
| 41 | LG | - |
| 44 | Y | - |
| 45 | L | - [With 2.0L turbo gasoline engine] |
| 45 | W | - [With VR30 engine] |
| 46 | B | - [With VR30 engine] |
| 46 | Y | - [With 2.0L turbo gasoline engine] |
| 47 | G | - |
| 48 | SHIELD | - |
| 49 | R | - |
| 50 | BR | - [With VR30 engine] |
| 50 | GR | - [With 2.0L turbo gasoline engine] |
| 51 | L | - |
| 52 | W | - |
| 53 | V | - |
| 54 | P | - [With VR30 engine] |
| 54 | W | - [With 2.0L turbo gasoline engine] |
| 55 | B | - [With 2.0L turbo gasoline engine] |
| 55 | W | - [With VR30 engine] |
| 56 | BG | - [With 2.0L turbo gasoline engine] |
| 56 | SB | - [With VR30 engine] |
| 57 | BG | - [With VR30 engine] |
| 57 | W | - [With 2.0L turbo gasoline engine] |
| 58 | B | - [Color of wire differs depending on production] |
| 58 | B/W | - [Color of wire differs depending on production] |
| 59 | W | - |
| 61 | R | - |
| 64 | Y | - |
| 65 | BR | - [Color of wire differs depending on production] |
| 65 | GR | - [Color of wire differs depending on production] |
| 66 | GR | - |
| 67 | LG | - |
| 68 | BG | - |
| 69 | L | - |
| 70 | R | - |
| 71 | G | - [With 2.0L turbo gasoline engine] |
| 71 | LG | - [With VR30 engine] |
| 72 | L | - [With 2.0L turbo gasoline engine] |
| 72 | V | - [With VR30 engine] |
| 73 | G | - [With VR30 engine] |
| 73 | W | - [With 2.0L turbo gasoline engine] |
| 74 | BR | - [With VR30 engine] |

| 74 | L | - [With 2.0L turbo gasoline engine] |
|---|---|---|
| 75 | P | - [With 2.0L turbo gasoline engine and without gateway] |
| 75 | R | - [With 2.0L turbo gasoline engine and with gateway] |
| 75 | V | - [With VR30 engine] |
| 76 | G | - |
| 77 | Y | - |
| 78 | LG | - [With 2.0L turbo gasoline engine and with ADAS] |
| 78 | P | - [With VR30 engine] |
| 78 | V | - [With 2.0L turbo gasoline engine and without ADAS] |
| 79 | SB | - |
| 80 | G | - |
| 81 | R | - |
| 82 | V | - |
| 83 | BR | - [With 2.0L turbo gasoline engine] |
| 83 | R | - [With VR30 engine] |
| 84 | LG | - |
| 86 | BG | - |
| 87 | G | - |
| 89 | LG | - |
| 90 | G | - [With VR30 engine] |
| 90 | GR | - [With 2.0L turbo gasoline engine] |
| 91 | G | - |
| 93 | BG | - |
| 94 | GR | - [With VR30 engine] |
| 94 | L | - [With 2.0L turbo gasoline engine] |
| 95 | BG | [With VR30 engine] |
| 95 | P | - [With 2.0L turbo gasoline engine and without gateway] |
| 95 | R | - [With 2.0L turbo gasoline engine and with gateway] |
| 96 | W | - |
| 97 | LG | - |
| 98 | L | - |
| 99 | LG | - [With 2.0L turbo gasoline engine] |
| 99 | P | - [With VR30 engine] |
| 100 | SHIELD | - |

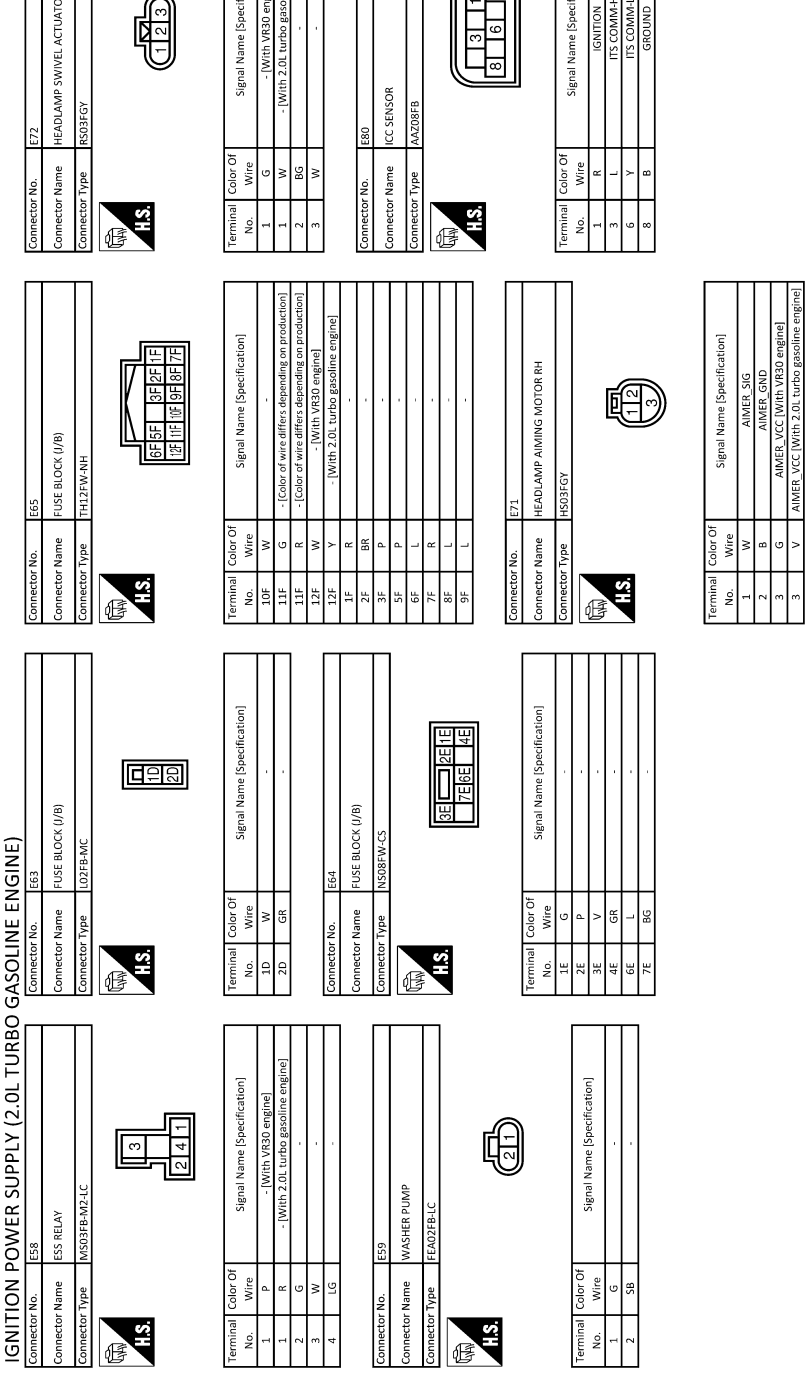
JRMWJ4919GB

## IGNITION POWER SUPPLY (2.0L TURBO GASOLINE ENGINE)




JRMWJ4920GB

IGNITION POWER SUPPLY (2.0L TURBO GASOLINE ENGINE)

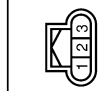



JRMWJ4921GB

IGNITION POWER SUPPLY (2.0L TURBO GASOLINE ENGINE)

| Connector No. | E83 |
|---|---|
| Connector Name | EXHAUST GAS / OUTSIDE ODOR DETECTING SENSOR |
| Connector Type | RH03FB |

H.S.




| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | V | AQS_POWER |
| 2 | P | AQS_S_GND |
| 3 | G | AQS_S_OUTPUT |

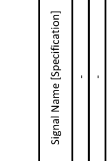
| Connector No. | E118 |
|---|---|
| Connector Name | IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) |
| Connector Type | L02FB-MC |

H.S.


| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | L | - [With 2.0L turbo gasoline engine] |
| 1 | W | - [With VR30 engine] |
| 2 | L | - [With VR30 engine] |
| 2 | R | - [With 2.0L turbo gasoline engine] |

| Connector No. | E120 |
|---|---|
| Connector Name | IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) |
| Connector Type | NS12FW-CS |

H.S.




| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 7 | B/W | - |
| 9 | P | - |
| 10 | LG | - |
| 11 | V | - |
| 13 | BG | - |
| 14 | SB | - |
| 15 | BR | - |
| 17 | GR | - |
| 18 | L | - |

| Connector No. | E121 |
|---|---|
| Connector Name | IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) |
| Connector Type | TH32FW-NH |

H.S.

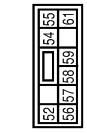



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 19 | L | - [With 2.0L turbo gasoline engine] |
| 19 | P | - [With VR30 engine] |
| 22 | BG | |
| 23 | GR | - [With VR30 engine] |
| 23 | LG | - [With 2.0L turbo gasoline engine and without Anti theft diode] |
| 23 | P | - [With 2.0L turbo gasoline engine and with Anti theft diode] |
| 27 | GR | - |
| 28 | P | - |
| 29 | L | - |
| 31 | G | - |
| 32 | SB | - |

| 33 | SB | - |
|---|---|---|
| 34 | Y | - |
| 35 | G | - |
| 36 | SB | - [With VR30 engine] |
| 36 | W | - [With 2.0L turbo gasoline engine] |
| 37 | GR | - |
| 38 | BR | - |
| 41 | GR | - |
| 43 | V | - |

| Connector No. | E123 |
|---|---|
| Connector Name | IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) |
| Connector Type | NS10FW-CS |

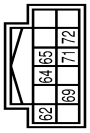
H.S.




| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 52 | Y | - |
| 54 | SB | - |
| 55 | W | - |
| 56 | L | - |
| 57 | LG | - |
| 58 | P | - |
| 59 | R | - |
| 61 | GR | - |

| Connector No. | E124 |
|---|---|
| Connector Name | IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) |
| Connector Type | TH12FW-NH |

H.S.




| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 62 | G | - |
| 64 | SB | - |
| 65 | V | - |
| 69 | G | - |
| 71 | W | - |
| 72 | Y | - |

| Connector No. | E125 |
|---|---|
| Connector Name | IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) |
| Connector Type | NS08FW-CS |

H.S.




| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 74 | G | - |
| 75 | R | - |
| 76 | SB | - [Color of wire differs depending on production] |
| 76 | V | - [Color of wire differs depending on production] |
| 78 | W | - |
| 79 | L | - |
| 80 | BR | - |
| 81 | P | - |

| Connector No. | E173 |
|---|---|
| Connector Name | JOINT CONNECTOR-E02 |
| Connector Type | SGA28FDGY-J |

H.S.




JRMWJ4922GB

IGNITION POWER SUPPLY (2.0L TURBO GASOLINE ENGINE)

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | G | - [Color of wire differs depending on production] |
| 1 | R | - [Color of wire differs depending on production] |
| 3 | B | - |
| 4 | B | - |
| 5 | G | - |
| 6 | BR | - |
| 7 | B | - |
| 8 | B | - |
| 9 | G | - |
| 10 | L | - |
| 12 | B | - |
| 13 | G | - |
| 14 | BR | - |
| 17 | G | - |
| 21 | G | - |
| 25 | R | - |
| 26 | L | - |

| Connector No. | E182 |
|---|---|
| Connector Name | BATTERY TERMINAL WITH FUSIBLE LINK |
| Connector Type | LO2FBR-MC |

H.S.

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 3 | R | - |
| 4 | L | - [With VR30 engine] |
| 4 | R | - [With 2.0L turbo gasoline engine] |

| Connector No. | E183 |
|---|---|
| Connector Name | BATTERY TERMINAL WITH FUSIBLE LINK |
| Connector Type | LO2FGY-MC |

H.S.

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

| Connector No. | E195 |
|---|---|
| Connector Name | WIRE TO WIRE |
| Connector Type | TK36FW-NS10 |

H.S.

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 5 | BR | - |
| 8 | GR | - |
| 9 | P | - |
| 10 | R | - |
| 11 | L | - |
| 12 | P | - |
| 13 | GR | - |
| 14 | Y | - |
| 15 | G | - |
| 16 | W | - |
| 17 | L | - |
| 18 | R | - |
| 19 | BR | - |
| 20 | SHIELD | - |
| 21 | BR | - |
| 22 | V | - |
| 23 | W | - |
| 24 | L | - |

| 25 | G | - |
|---|---|---|
| 26 | G | - |
| 30 | Y | - |
| 31 | GR | - |
| 32 | SB | - |
| 33 | W | - |
| 34 | W | - |
| 35 | B | - |
| 36 | G | - |
| 37 | SHIELD | - |
| 38 | R | - |
| 39 | L | - |
| 40 | GR | - |
| 41 | W | - |
| 42 | B | - |
| 43 | BR | - |
| 44 | P | - |
| 45 | SB | - |
| 46 | Y | - |

| Connector No. | E200 |
|---|---|
| Connector Name | ECM |
| Connector Type | ADAS2FB-AHZ6 |

H.S.

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 97 | G | POWER SUPPLY (MAIN) |
| 98 | B | ECM GROUND |
| 99 | G | POWER SUPPLY (MAIN) |
| 100 | B | ECM GROUND |
| 101 | G | POWER SUPPLY (MAIN) |
| 102 | B | ECM GROUND |
| 103 | V | COOLING FAN CONTROL SIGNAL (PWM) |
| 104 | Y | SENSOR POWER SUPPLY |
| 105 | R | SENSOR POWER SUPPLY |
| 106 | W | SENSOR GROUND |
| 109 | P | ENGINE SPEED SIGNAL |
| 111 | G | POWER SUPPLY |
| 116 | LG | STARTER RELAY-L |
| 119 | BR | SENSOR GROUND |
| 120 | BG | SENSOR GROUND |

| 123 | BR | MAIN RELAY CONTROL SIGNAL |
|---|---|---|
| 127 | V | FUEL PUMP ON SIGNAL |
| 132 | G | ACCELERATOR PEDAL POSITION SENSOR 1 |
| 137 | L | CAN-H |
| 138 | L | DRIVETRAIN CAN-H |
| 142 | GR | BACK-UP LAMP SWITCH |
| 143 | LG | REFRIGERANT PRESSURE SENSOR |
| 145 | L | ACCELERATOR PEDAL POSITION SENSOR 2 |
| 146 | L | FUEL TANK PRESSURE SENSOR |
| 148 | L | STARTER RELAY-H |
| 150 | P | CAN-L |
| 151 | P | DRIVETRAIN CAN-L |
| 152 | B | EVAP CANISTER VENT CONTROL VALVE |
| 153 | G | EVAP PURGE CONTROL VALVE |

| Connector No. | E201 |
|---|---|
| Connector Name | WIRE TO WIRE |
| Connector Type | Delphi_33104047 |

H.S.

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | G | - |
| 2 | R | - |
| 5 | G | - |
| 6 | L | - |
| 7 | R | - |
| 8 | W | - |
| 9 | B | - |
| 13 | L | - |

JRMWJ4923GB

IGNITION POWER SUPPLY (2.0L TURBO GASOLINE ENGINE)

| Connector No. | E212 |
|---|---|
| Connector Name | FUSE AND FUSIBLE LINK BLOCK |
| Connector Type | 24384_4GA0A |

H.S.

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | SB | - |
| 2 | B | - |
| 3 | BG | - |
| 5 | R | - |

| Connector No. | E221 |
|---|---|
| Connector Name | POWER STEERING CONTROL MODULE |
| Connector Type | FEA04FB-FHA2-LC |

H.S.

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 5 | V | IGNITION POWER SUPPLY |
| 7 | P | CAN-L |
| 8 | L | CAN-H |

| Connector No. | E223 |
|---|---|
| Connector Name | JOINT CONNECTOR-E06 |
| Connector Type | SGA28FB-J |

H.S.

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 2 | GR | - |
| 3 | G | - |
| 4 | BR | - |
| 6 | BG | - |
| 7 | G | - |
| 8 | BR | - |
| 11 | G | - |
| 12 | L | - |
| 18 | V | - |
| 19 | W | - |
| 20 | BG | - |
| 22 | GR | - |
| 23 | P | - |
| 24 | BR | - |
| 26 | V | - |
| 27 | W | - |
| 28 | BG | - |

| Connector No. | E220 |
|---|---|
| Connector Name | JOINT CONNECTOR-E05 |
| Connector Type | NH24FB-J |

H.S.

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 3 | W | - |
| 4 | L | - |
| 7 | W | - |
| 8 | L | - |
| 11 | W | - |
| 12 | L | - |
| 15 | P | - [Without Gateway] |
| 15 | R | - [With Gateway] |
| 16 | L | - |
| 19 | P | - [Without Gateway] |
| 19 | R | - [With Gateway] |
| 20 | L | - |
| 23 | P | - [Without Gateway] |
| 23 | R | - [With Gateway] |
| 24 | L | - |

| Connector No. | E232 |
|---|---|
| Connector Name | FRONT WIPER MOTOR |
| Connector Type | HS05FGY |

H.S.

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

| Connector No. | F151 |
|---|---|
| Connector Name | WIRE TO WIRE |
| Connector Type | Delphi_13833238 |

H.S.

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | G | - |
| 2 | R | - |
| 5 | W | - |
| 6 | BR | - |
| 7 | P | - |
| 8 | W | - |
| 9 | B | - |
| 13 | L | - |

| Connector No. | F191 |
|---|---|
| Connector Name | COMPRESSOR |
| Connector Type | HIRSCHMANN_805-121-501 |

H.S.

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

| Connector No. | M1 |
|---|---|
| Connector Name | INTEGRAL SWITCH |
| Connector Type | TH24FW-NH |

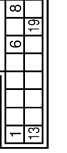
H.S.

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 2 | R | ILLUMINATION SIGNAL |
| 3 | LG | AV COMM (L) |
| 4 | SB | AV COMM (H) |
| 7 | W/B | DISK EJECT SIGNAL |
| 8 | G | HAZERD SIGNAL |
| 13 | B | GND |
| 14 | SB | ACC [For 2.0L turbo gasoline engine] |
| 14 | V | ACC [For VR30 engine] |
| 15 | B | ILLUMINATION CONTROL SIGNAL |
| 16 | BG | DISK EJECT SIGNAL GROUND |
| 18 | R | IGN [For VR30 engine] |
| 18 | W | IGN [For 2.0L turbo gasoline engine] |
| 19 | BR | CAMERA SWITCH SIGNAL |
| 20 | LG | AIR BAG INDICATOR OFF SIGNAL |

JRMWJ4924GB

IGNITION POWER SUPPLY (2.0L TURBO GASOLINE ENGINE)

| Connector No. | M4 |
|---|---|
| Connector Name | AFS CONTROL UNIT |
| Connector Type | TH24FW-NH |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | L | CAN-H |
| 6 | BR | HEIGHT SENSOR SIGNAL |
| 8 | GR | SWIVEL ACTUATOR LIN SIGNAL |
| 11 | B | GROUND |
| 12 | R | IGNITION POWER SUPPLY [With VR30 engine] |
| 12 | W | IGNITION POWER SUPPLY [With 2.0L turbo gasoline engine] |
| 13 | P | CAN-L |
| 19 | P | SWIVEL ACTUATOR GROUND |
| 21 | LG | HEIGHT SENSOR POWER SUPPLY |
| 22 | SB | AIMING MOTOR DRIVE SIGNAL |
| 23 | GR | HEIGHT SENSOR GROUND |
| 24 | B | AIMING MOTOR GROUND |

| Connector No. | M5 |
|---|---|
| Connector Name | AIR BAG DIAGNOSIS SENSOR UNIT |
| Connector Type | NH28FY-EX |

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | LG | IGN |
| 2 | B | GND |
| 3 | Y/R | DR1 (+) |
| 4 | Y/B | DR1 (-) |
| 5 | Y | DR2 (+) |
| 6 | Y/R | AS1 (+) |
| 7 | Y/B | AS1 (-) |
| 8 | Y/G | AS2 (+) |
| 9 | Y | AS2 (-) |
| 18 | Y | ECZS+ |
| 19 | BR | ECZS- |
| 20 | Y/R | ACT_VENT+ |
| 21 | Y/B | ACT_VENT- |
| 22 | SHIELD | GND |
| 23 | V | AIRBAG W/L |
| 24 | G | - |
| 25 | GR | A/B_OFF_IND |
| 51 | G | SATELLITE RH2 (+) |
| 52 | R | SIDE_SENS_RH2- |
| 53 | V | SIDE_SENS_LH2+ |
| 54 | L | SIDE_SENS_LH2- |
| 57 | LG | IVCS |
| 59 | L | CAN-H |
| 60 | P | CAN-L |

| Connector No. | M14 |
|---|---|
| Connector Name | BCM (BODY CONTROL MODULE) |
| Connector Type | TH40FB-NH |

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 48 | R | PUSH-BTN IGN SW ILL PWR |
| 52 | G | DONGLE LINK |
| 54 | V | COMM LINE |
| 55 | R | RAIN SENSOR |
| 59 | P | CAN-L |
| 60 | L | CAN-H |
| 61 | G | REAR WINDOW DEF RLY CONT |
| 62 | R | STARTER RLY CONT |
| 64 | V | I-KEY WARN BUZZER |
| 65 | B | OUTS HD LAMP CONT |
| 66 | B | BLOWER FAN RLY CONT [With VR30 engine] |
| 66 | Y | BLOWER FAN RLY CONT [With 2.0L turbo gasoline engine] |
| 67 | W/B | IGN RLYAY (F/B) CONT |
| 68 | R | DIMMER |
| 69 | GR | A/T SHIFT SELECT PWR SPLY |
| 70 | B | IGN RLYAY (IPDM E/R) CONT |
| 71 | G | DR DOOR REQ SW |
| 72 | SB | PASS DOOR REQ SW |
| 75 | BR | COMBI SW INPUT 5 |
| 76 | BG | COMBI SW INPUT 4 |
| 77 | V | COMBI SW INPUT 3 |
| 78 | Y | COMBI SW INPUT 2 |
| 79 | LG | COMBI SW INPUT 1 |
| 80 | L | TR LID OPNR SW |

| Connector No. | M17 |
|---|---|
| Connector Name | BCM (BODY CONTROL MODULE) |
| Connector Type | FEA09FW-FHA6-SA |

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 129 | LG | INT ROOM LAMP PWR SPLY |
| 130 | P | PASS DOOR UNLK OUTPUT |
| 131 | Y | BAT (FUSE) |
| 132 | V | RR, RL DOOR LK OUTPUT |
| 133 | BR | RR, RL DOOR UNLK OUTPUT |
| 134 | B | GND |
| 135 | V | FRONT DOOR, FL LID LK OUTPUT |
| 136 | V | INT ROOM LAMP CONT |
| 137 | LG | FRONT DOOR, FL LID UNLK OUTPUT |
| 138 | P | REAR DOORS ACT PWR SPLY [With VR30 engine] |
| 138 | R | REAR DOORS ACT PWR SPLY [With 2.0L turbo gasoline engine] |
| 139 | W | BAT (F/L) |
| 140 | BR | IGN ON |
| 141 | R | PWR SPLY (BAT) |
| 142 | R | FRONT DOORS, FL LID ACT PWR SPLY |
| 143 | B | GND |

| Connector No. | M19 |
|---|---|
| Connector Name | WIRE TO WIRE |
| Connector Type | TH80MW-CS16-TM4 |

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | Y | - |
| 2 | G | - |
| 3 | SB | - |
| 4 | BR | - |
| 5 | Y | - |
| 6 | R | - |
| 7 | W | - |
| 8 | V | - |
| 10 | BG | - |
| 11 | BR | - |
| 12 | LG | - |
| 13 | GR | - |
| 14 | R | - |
| 15 | L | - |
| 16 | V | - |
| 18 | W | - |
| 19 | BR | - |
| 20 | W | - |
| 22 | SB | - |
| 23 | R | - |
| 24 | R | - [With 2.0L turbo gasoline engine] |
| 24 | Y | - [With VR30 engine] |
| 25 | P | - [With 2.0L turbo gasoline engine] |
| 25 | W | - [With VR30 engine] |
| 26 | G | - |
| 27 | R | - |
| 28 | R | - |
| 31 | BR | - |
| 32 | B | - |
| 33 | B | - |
| 34 | V | - |
| 35 | P | - |
| 36 | W | - |
| 37 | SB | - |
| 38 | LG | - |
| 40 | P | - |

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IGNITION POWER SUPPLY (2.0L TURBO GASOLINE ENGINE)

| | | |
|---|---|---|
| 41 | G | - |
| 42 | BR | - |
| 43 | BR | - |
| 44 | BR | - |
| 46 | BG | - |
| 50 | W | - |
| 51 | Y | - |
| 52 | V | - |
| 53 | LG | - |
| 54 | R | - |
| 55 | R | - |
| 57 | W | - |
| 58 | V | - |
| 59 | BG | - |
| 60 | G | - |
| 61 | G | - |
| 62 | BG | - |
| 63 | BR | - |
| 64 | Y | - |
| 66 | R | - |
| 70 | LG | - |
| 71 | W | - |
| 72 | B | - |
| 73 | W | - |
| 74 | L | - |
| 75 | W | - |
| 76 | BR | - |
| 77 | B | - |
| 78 | SB | - |
| 79 | P | - [With VR30 engine] |
| 79 | W | - [With 2.0L turbo gasoline engine] |
| 81 | B | - |
| 82 | R | - |
| 83 | BG | - |
| 84 | L | - |
| 85 | W | - |
| 86 | B | - |
| 88 | G | - |
| 89 | V | - [With 2.0L turbo gasoline engine] |
| 89 | W | - [With VR30 engine] |
| 91 | GR | - |
| 94 | GR | - |
| 96 | W | - |
| 97 | V | - |
| 98 | BR | - [With VR30 engine and with BOSE system] |
| 98 | Y | - [Except with VR30 engine and with BOSE system] |

Connector No. M22

Connector Name WIRE TO WIRE

Connector Type TH80MW-CS16-TM4



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | LG | - |
| 2 | L | - [With VR30 engine] |
| 2 | SHIELD | - [With 2.0L turbo gasoline engine] |
| 3 | BR | - [With 2.0L turbo gasoline engine] |
| 3 | R | - [With VR30 engine] |
| 4 | SHIELD | - [With VR30 engine] |
| 4 | Y | - [With 2.0L turbo gasoline engine] |
| 5 | G | - [With VR30 engine] |
| 5 | V | - [With 2.0L turbo gasoline engine] |
| 6 | BG | - [With VR30 engine] |
| 6 | BR | - [With 2.0L turbo gasoline engine] |
| 7 | LG | - [With VR30 engine] |
| 7 | P | - [With 2.0L turbo gasoline engine] |
| 8 | G | - [With 2.0L turbo gasoline engine] |
| 8 | P | - [With VR30 engine] |
| 9 | LG | - [With 2.0L turbo gasoline engine] |
| 9 | SHIELD | - [With VR30 engine] |
| 10 | V | - |
| 11 | GR | - |
| 12 | V | - |
| 13 | LG | - |
| 14 | LG | - |
| 15 | BR | - [With 2.0L turbo gasoline engine] |
| 15 | P | - [With VR30 engine] |
| 16 | SB | - [With DCM] |
| 16 | V | - [Without DCM] |
| 17 | Y | - |
| 18 | L | - |
| 19 | G | - |
| 20 | GR | - |
| 21 | R | - |
| 22 | V | - |
| 23 | L | - |
| 24 | BG | - [With 2.0L turbo gasoline engine] |
| 24 | V | - [With VR30 engine] |
| 25 | L | - [With 2.0L turbo gasoline engine] |

| | | |
|---|---|---|
| 25 | SB | - [With VR30 engine] |
| 26 | G | - [With VR30 engine] |
| 26 | W | - [With 2.0L turbo gasoline engine] |
| 27 | R | - |
| 29 | LG | - |
| 30 | SB | - [With VR30 engine] |
| 30 | W | - [With 2.0L turbo gasoline engine] |
| 31 | SHIELD | - |
| 32 | L | - |
| 33 | B | - [With VR30 engine] |
| 33 | LG | - [With 2.0L turbo gasoline engine] |
| 34 | SHIELD | - |
| 35 | LG | - [With VR30 engine] |
| 35 | W | - [With 2.0L turbo gasoline engine] |
| 36 | R | - [With VR30 engine] |
| 36 | V | - [With 2.0L turbo gasoline engine] |
| 37 | R | - [With VR30 engine] |
| 37 | V | - [With 2.0L turbo gasoline engine] |
| 38 | W | - |
| 39 | P | - [With VR30 engine and without BOSE system] |
| 39 | R | - [With 2.0L turbo gasoline engine] |
| 39 | V | - [With VR30 engine and with BOSE system] |
| 40 | G | - |
| 41 | L | - |
| 42 | R | - |
| 43 | SHIELD | - |
| 44 | P | - |
| 45 | B | - [With 2.0L turbo gasoline engine] |
| 45 | G | - [With VR30 engine] |
| 46 | SHIELD | - |
| 47 | G | - |
| 48 | BG | - [Except with VR30 engine and with BOSE system] |
| 48 | BR | - [With VR30 engine and with BOSE system] |
| 49 | G | - |
| 50 | V | - |
| 51 | V | - |
| 52 | L | - [With 2.0L turbo gasoline engine] |
| 52 | Y | - [With VR30 engine] |
| 53 | R | - |
| 54 | GR | - |
| 55 | L | - |
| 56 | P | - |
| 57 | R | - |
| 58 | LG | - |
| 59 | SB | - |
| 61 | L | - |
| 62 | P | - [With 2.0L turbo gasoline engine] |
| 62 | V | - [With VR30 engine] |
| 63 | L | - |
| 64 | W | - |

| | | |
|---|---|---|
| 66 | R | - |
| 68 | L | - |
| 69 | P | - |
| 71 | GR | - [With 2.0L turbo gasoline engine] |
| 71 | R | - [With VR30 engine] |
| 72 | G | - [With VR30 engine] |
| 72 | V | - [With 2.0L turbo gasoline engine] |
| 73 | LG | - [With 2.0L turbo gasoline engine] |
| 73 | SHIELD | - [With VR30 engine] |
| 74 | L | - [With VR30 engine] |
| 74 | LG | - [With 2.0L turbo gasoline engine] |
| 75 | P | - |
| 76 | SB | - [With 2.0L turbo gasoline engine] |
| 76 | V | - [With VR30 engine] |
| 77 | Y | - |
| 78 | L | - |
| 79 | G | - [With 2.0L turbo gasoline engine] |
| 80 | GR | - [With VR30 engine] |
| 80 | W | - |
| 81 | B | - [With VR30 engine] |
| 81 | R | - [With 2.0L turbo gasoline engine] |
| 82 | G | - [With 2.0L turbo gasoline engine] |
| 82 | SHIELD | - [With VR30 engine] |
| 83 | R | - [With 2.0L turbo gasoline engine] |
| 83 | W | - [With VR30 engine] |
| 84 | BR | - [With VR30 engine] |
| 84 | SHIELD | - [With 2.0L turbo gasoline engine] |
| 85 | BR | - [With VR30 engine] |
| 85 | G | - [With 2.0L turbo gasoline engine] |
| 86 | R | - [With 2.0L turbo gasoline engine] |
| 86 | V | - [With VR30 engine] |
| 87 | LG | - [With 2.0L turbo gasoline engine] |
| 87 | SHIELD | - [With VR30 engine] |
| 89 | BR | - [With 2.0L turbo gasoline engine] |
| 89 | LG | - [With VR30 engine] |
| 90 | SB | - [With 2.0L turbo gasoline engine] |
| 90 | V | - [With VR30 engine] |
| 92 | L | - [With 2.0L turbo gasoline engine] |
| 92 | W | - [With VR30 engine] |
| 93 | R | - [With VR30 engine] |
| 93 | SHIELD | - [With 2.0L turbo gasoline engine] |
| 94 | R | - |
| 95 | L | - [With 2.0L turbo gasoline engine] |
| 95 | Y | - [With VR30 engine] |
| 96 | R | - [With 2.0L turbo gasoline engine] |
| 96 | W | - [With VR30 engine] |
| 97 | L | - [With VR30 engine] |
| 97 | R | - [With 2.0L turbo gasoline engine] |
| 98 | BR | - |
| 99 | BR | - [With VR30 engine and with BOSE system] |

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IGNITION POWER SUPPLY (2.0L TURBO GASOLINE ENGINE)

| | | |
|---|---|---|
| 99 | P | - [With 2.0L turbo gasoline engine] |
| 99 | Y | - [With VR30 engine and without BOSE system] |
| 100 | BR | - [With VR30 engine] |
| 100 | W | - [With 2.0L turbo gasoline engine] |

| | |
|---|---|
| Connector No. | M23 |
| Connector Name | BLOWER MOTOR |
| Connector Type | N503FW-M3 |

H.S.




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

| | |
|---|---|
| Connector No. | M24 |
| Connector Name | CAN GATEWAY |
| Connector Type | TH12FW-NH |

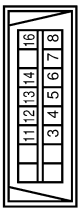
H.S.




| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | L | CAN-H (CAN COMMUNICATION CIRCUIT 1) |
| 3 | W | BATTERY POWER SUPPLY |
| 4 | L | CAN-H (CAN COMMUNICATION CIRCUIT 2) |
| 5 | B | GROUND |
| 6 | L | CAN-H (CAN COMMUNICATION CIRCUIT 2) |
| 7 | P | CAN-L (CAN COMMUNICATION CIRCUIT 1) |
| 9 | R | IGNITION POWER SUPPLY [With VR30 engine and without ISS] |
| 9 | W | IGNITION POWER SUPPLY [Except with VR30 engine and without ISS] |
| 10 | R | CAN-L (CAN COMMUNICATION CIRCUIT 2) |
| 11 | B | GROUND |
| 12 | R | CAN-L (CAN COMMUNICATION CIRCUIT 2) |

| | |
|---|---|
| Connector No. | M25 |
| Connector Name | DATA LINK CONNECTOR |
| Connector Type | BD16FW |

H.S.




| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 3 | LG | M_CAN_L |
| 4 | B | EARTH |
| 5 | B | EARTH |
| 6 | L | CAN-H |
| 7 | V | KLINE [With 2.0L turbo gasoline engine] |
| 7 | W | KLINE [With VR30 engine] |
| 8 | W | IGN_SW |
| 11 | SB | M_CAN_H |
| 12 | R | CAN-L |
| 13 | L | CAN-H |
| 14 | P | CAN-L |
| 16 | W | POWER |

| | |
|---|---|
| Connector No. | M33 |
| Connector Name | WIRE TO WIRE |
| Connector Type | NH60MW-TS12 |

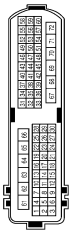
H.S.




| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 2 | W | - |
| 4 | G | - |
| 5 | G | - |
| 6 | R | - |
| 7 | R | - |
| 8 | GR | - |
| 9 | GR | - |
| 10 | W | - |
| 11 | SHIELD | - |
| 12 | P | - |
| 13 | SB | - |
| 14 | LG | - |
| 15 | Y | - |
| 16 | Y | - |
| 17 | P | - |
| 18 | W/B | - |
| 19 | LG | - [With DRPO] |
| 19 | Y | - [Without DRPO] |
| 20 | V | - |
| 21 | B | - |
| 22 | BG | - [Without DRPO] |
| 22 | G | - [With DRPO] |
| 23 | L | - |
| 24 | Y | - |
| 25 | BG | - [Without DRPO] |
| 25 | L | - [With DRPO] |
| 26 | Y | - |
| 27 | GR | - |
| 28 | V | - |
| 29 | B | - |
| 30 | W | - |
| 31 | B | - |
| 32 | SB | - |
| 33 | L | - |
| 34 | BR | - |
| 35 | LG | - |
| 36 | W | - |
| 37 | B | - |
| 40 | P | - |
| 41 | SB | - |
| 43 | W | - [Except with VR30 engine and without ISS] |
| 43 | Y | - [With VR30 engine and without ISS] |
| 44 | BG | - |
| 46 | BR | - |
| 47 | G | - |
| 49 | V | - |
| 50 | B | - |
| 52 | BR | - |
| 53 | B | - |
| 55 | BG | - |
| 56 | LG | - |
| 57 | V | - |
| 58 | R | - |
| 59 | G | - |
| 60 | L | - |
| 61 | G | - |
| 62 | R | - |
| 63 | V | - |
| 64 | B | - |
| 65 | R | - |
| 66 | BR | - |
| 68 | P | - |
| 69 | V | - |
| 70 | W | - |
| 71 | LG | - |
| 72 | V | - |

| | |
|---|---|
| Connector No. | M34 |
| Connector Name | WIRE TO WIRE |
| Connector Type | NH60MW-TS12 |

H.S.




| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | V | - |
| 2 | R | - |
| 4 | G | - [With DRPO] |
| 4 | SB | - [Without DRPO] |
| 5 | L | - |
| 6 | R | - |
| 7 | R | - |
| 8 | W | - |
| 9 | GR | - |
| 10 | V | - |
| 11 | Y | - |
| 13 | LG | - |
| 14 | W | - |
| 16 | G | - |
| 17 | B | - |
| 18 | W | - |
| 19 | B | - |
| 20 | SB | - [With DRPO] |
| 20 | Y | - [Without DRPO] |
| 21 | SHIELD | - |
| 22 | B | - |
| 23 | BG | - [Without DRPO] |
| 23 | P | - [With DRPO] |
| 24 | G | - |
| 25 | LG | - |
| 26 | BG | - [Without DRPO] |

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IGNITION POWER SUPPLY (2.0L TURBO GASOLINE ENGINE)

| | | |
|---|---|---|
| 26 | BR | - [With DRPO] |
| 27 | R | - |
| 28 | SB | - |
| 29 | BG | - [Without DRPO] |
| 29 | W/B | - [With DRPO] |
| 30 | L | - |
| 49 | P | - |
| 52 | V | - |
| 55 | B | - |
| 56 | SB | - |
| 57 | G | - |
| 58 | G | - |
| 59 | LG | - |
| 60 | R | - |
| 63 | B | - |
| 64 | R | - |
| 65 | BR | - |
| 66 | Y | - |
| 69 | BR | - |
| 70 | Y | - |
| 71 | SB | - |
| 72 | W | - |

| | |
|---|---|
| Connector No. | M40 |
| Connector Name | WIRE TO WIRE |
| Connector Type | TH80MW-CS16-TM4 |

H.S.



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | BG | - |
| 6 | W/B | - |
| 7 | V | - |
| 8 | BG | - [With VR30 engine] |
| 8 | BR | - [With 2.0L turbo gasoline engine] |
| 9 | LG | - [With VR30 engine] |
| 9 | P | - [With 2.0L turbo gasoline engine] |
| 10 | W | - |
| 11 | W | - [With VR30 engine] |
| 11 | Y | - [With 2.0L turbo gasoline engine] |
| 12 | B | - [With VR30 engine] |
| 12 | BR | - [With 2.0L turbo gasoline engine] |

| | | |
|---|---|---|
| 13 | GR | - [With VR30 engine] |
| 13 | SHIELD | - [With 2.0L turbo gasoline engine] |
| 14 | B | - |
| 15 | BG | - [With 2.0L turbo gasoline engine] |
| 15 | SB | - [With VR30 engine] |
| 16 | B | - |
| 16 | BR | - [With 2.0L turbo gasoline engine] |
| 16 | LG | - |
| 17 | B | - [With VR30 engine] |
| 18 | W/B | - [With 2.0L turbo gasoline engine] |
| 18 | Y | - |
| 19 | W | - |
| 31 | G | - [With 2.0L turbo gasoline engine] |
| 32 | V | - [With VR30 engine] |
| 32 | L | - [With VR30 engine] |
| 33 | Y | - [With 2.0L turbo gasoline engine] |
| 34 | P | - |
| 35 | BG | - |
| 36 | G | - [With VR30 engine] |
| 37 | B | - [With 2.0L turbo gasoline engine] |
| 37 | L | - [With VR30 engine] |
| 38 | L | - [With 2.0L turbo gasoline engine and without gateway] |
| 38 | P | - [With 2.0L turbo gasoline engine and with gateway] |
| 38 | R | - [With 2.0L turbo gasoline engine and with gateway] |
| 39 | R | - [With 2.0L turbo gasoline engine] |
| 39 | Y | - [With VR30 engine] |
| 40 | GR | - |
| 41 | L | - |
| 44 | BR | - |
| 45 | L | - [With 2.0L turbo gasoline engine] |
| 45 | W | - [With VR30 engine] |
| 46 | G | - [With VR30 engine] |
| 46 | Y | - [With 2.0L turbo gasoline engine] |
| 47 | BG | - [With 2.0L turbo gasoline engine] |
| 47 | R | - [With VR30 engine] |
| 48 | SHIELD | - |
| 49 | B | - [With VR30 engine] |
| 49 | G | - [With 2.0L turbo gasoline engine] |
| 50 | B | - [With 2.0L turbo gasoline engine] |
| 50 | BR | - [With VR30 engine] |
| 51 | L | - |
| 52 | W | - |
| 53 | G | - |
| 54 | SB | - [With 2.0L turbo gasoline engine] |
| 54 | Y | - [With VR30 engine] |
| 55 | B | - [With 2.0L turbo gasoline engine] |
| 55 | P | - [With VR30 engine] |
| 56 | BG | - |
| 56 | GR | - [With 2.0L turbo gasoline engine] |
| 57 | GR | - [With VR30 engine] |

| | | |
|---|---|---|
| 57 | P | - [With 2.0L turbo gasoline engine] |
| 58 | B | - |
| 59 | SB | - |
| 61 | W/B | - |
| 64 | Y | - |
| 65 | R | - |
| 66 | P | - [Color of wire differs depending on production] |
| 66 | V | - [Color of wire differs depending on production] |
| 67 | LG | - |
| 68 | BG | - |
| 69 | L | - |
| 70 | R | - |
| 71 | V | - [With VR30 engine] |
| 71 | W | - [With 2.0L turbo gasoline engine] |
| 72 | L | - [With 2.0L turbo gasoline engine] |
| 72 | LG | - [With VR30 engine] |
| 73 | R | - [With VR30 engine] |
| 73 | W | - [With 2.0L turbo gasoline engine] |
| 74 | BR | - [With VR30 engine] |
| 74 | L | - [With 2.0L turbo gasoline engine] |
| 75 | B | - [With VR30 engine] |
| 75 | P | - [With 2.0L turbo gasoline engine and without gateway] |
| 75 | R | - [With 2.0L turbo gasoline engine and with gateway] |
| 76 | W/B | - |
| 77 | SB | - |
| 78 | G | - [With VR30 engine] |
| 78 | LG | - [With 2.0L turbo gasoline engine] |
| 79 | R | - |
| 80 | G | - |
| 81 | R | - |
| 82 | LG | - |
| 83 | BR | - [With 2.0L turbo gasoline engine] |
| 83 | R | - [With VR30 engine] |
| 84 | V | - |
| 86 | V | - |
| 87 | G | - |
| 89 | V | - |
| 90 | G | - [With VR30 engine] |
| 90 | V | - [With 2.0L turbo gasoline engine] |
| 91 | W | - |
| 92 | G | - |
| 93 | BR | - |
| 94 | GR | - [With VR30 engine] |
| 94 | L | - [With 2.0L turbo gasoline engine] |
| 95 | BR | - [With VR30 engine] |
| 95 | P | - [With 2.0L turbo gasoline engine and without gateway] |
| 95 | R | - [With 2.0L turbo gasoline engine and with gateway] |
| 96 | W | - |
| 97 | LG | - |
| 98 | Y | - |

| | | |
|---|---|---|
| 99 | BR | - [With VR30 engine] |
| 99 | LG | - [With 2.0L turbo gasoline engine] |
| 100 | SHIELD | - |

| | |
|---|---|
| Connector No. | M46 |
| Connector Name | HEATED SEAT RELAY |
| Connector Type | MS02FL-M2-LC |

H.S.



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | B | - |
| 2 | R | - [With VR30 engine and without ISS] |
| 2 | W | - [Except with VR30 engine and without ISS] |
| 3 | G | - |
| 5 | LG | - |

| | |
|---|---|
| Connector No. | M56 |
| Connector Name | DRIVER ASSISTANCE BUZZER CONTROL MODULE |
| Connector Type | TH16FW-NH |

H.S.



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | G | IGNITION |
| 3 | L | ITS COMM-H |
| 5 | B | GROUND |
| 8 | R | WARNING BUZZER SIGNAL |
| 11 | Y | ITS COMM-L |
| 13 | B | GROUND |
| 16 | G | WARNING BUZZER SIGNAL GROUND |

JRMWJ4928GB

IGNITION POWER SUPPLY (2.0L TURBO GASOLINE ENGINE)

| Connector No. | M58 |
|---|---|
| Connector Name | COMBINATION METER |
| Connector Type | TH12FW-NH |

H.S.

| 41 | 42 | 43 | 44 | 45 | 46 |
|---|---|---|---|---|---|
| 47 | 48 | | | 51 | 52 |

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 41 | L | CAN-H |
| 42 | P | CAN-L |
| 43 | B | ILLUMINATION CONTROL SIGNAL |
| 44 | Y | FUEL LEVEL SENSOR GROUND |
| 45 | W | BATTERY POWER SUPPLY |
| 46 | BG | IGNITION SIGNAL [Except with VR30 engine and without ISS] |
| 46 | R | IGNITION SIGNAL [With VR30 engine and without ISS] |
| 47 | SB | AV COMMUNICATION SIGNAL (H) |
| 48 | LG | AV COMMUNICATION SIGNAL (L) |
| 51 | BR | FUEL LEVEL SENSOR SIGNAL |
| 52 | B | GROUND |

| Connector No. | M60 |
|---|---|
| Connector Name | NAVI CONTROL UNIT |
| Connector Type | TH28FW |

H.S.

| 1 | 3 | 5 | 7 | | | 12 | 13 | 14 |
|---|---|---|---|---|---|---|---|---|
| 15 | 17 | 19 | 21 | | | 26 | 27 | 28 |

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | Y | BAT |
| 3 | B | GND |
| 5 | SB | ACC [Except for VR30 engine and with ISS] |
| 5 | V | ACC [For VR30 engine and with ISS] |
| 7 | R | VEHICLE SPEED SIGNAL (8-PULSE) |
| 12 | G | MICROPHONE SIGNAL |
| 13 | SHIELD | SHIELD |
| 14 | W | VOICE GUIDANCE SIGNAL OUTPUT (+) |
| 15 | Y | BAT |
| 17 | B | GND |
| 19 | R | IGN [For VR30 engine and with ISS] |
| 19 | W | IGN [Except for VR30 engine and with ISS] |
| 21 | BR | REVERSE SIGNAL |
| 26 | R | MICROPHONE SIGNAL GND |
| 27 | SHIELD | SHIELD |
| 28 | B | VOICE GUIDANCE SIGNAL OUTPUT (-) |

| Connector No. | M76 |
|---|---|
| Connector Name | SONAR CONTROL UNIT |
| Connector Type | TH24FW-NH |

H.S.

| 12 | 10 | 9 | | 6 | 5 | 4 | 3 | 2 | 1 |
|---|---|---|---|---|---|---|---|---|---|
| | 22 | 21 | | 19 | 18 | | 15 | 14 | 13 |

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | SB | CENTER SENSOR SIGNAL FRONT RH |
| 2 | LG | CENTER SENSOR SIGNAL FRONT LH |
| 3 | W | CORNER SENSOR SIGNAL FRONT LH |
| 4 | GR | CORNER SENSOR SIGNAL FRONT RH |
| 5 | L | CAN-H |
| 6 | P | CAN-L [Without Gateway] |
| 6 | R | CAN-L [With Gateway] |
| 9 | G | CENTER SENSOR SIGNAL REAR RH |
| 10 | BG | CORNER SENSOR SIGNAL REAR RH |
| 12 | R | IGN [For VR30 engine] |
| 12 | W | IGN [For 2.0L turbo gasoline engine] |
| 13 | B | FRONT SENSOR GND |
| 14 | B | REAR SENSOR GND |
| 15 | B | GND |
| 18 | GR | FRONT BUZZER DRIVE SIGNAL |
| 19 | P | BUZZER POWER SUPPLY |
| 21 | BR | CENTER SENSOR SIGNAL REAR LH |
| 22 | W | CORNER SENSOR SIGNAL REAR LH |

| Connector No. | M77 |
|---|---|
| Connector Name | STEERING ANGLE SENSOR |
| Connector Type | TH08FW-NH |

H.S.

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

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | B | GROUND |
| 2 | P | CAN-L [Without Gateway] |
| 2 | R | CAN-L [With Gateway] |
| 4 | G | IGN |
| 5 | L | CAN-H |

| Connector No. | M80 |
|---|---|
| Connector Name | TRIPLE SWITCH |
| Connector Type | TH12FB-NH |

H.S.

| 7 | 11 | 3 | 6 | 9 |
|---|---|---|---|---|
| 5 | | 1 | 2 | |

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | L | - |
| 2 | W | - |
| 3 | R | - |
| 5 | B | - |
| 6 | R | - |
| 7 | B | - |
| 9 | R | INDICATOR+ |
| 11 | GR | INDICATOR- |

| Connector No. | M88 |
|---|---|
| Connector Name | A/C AUTO AMP. |
| Connector Type | TH40FW-NH |

H.S.

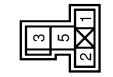
| 1 | 2 | 3 | | | | | 9 | | | | 17 | 18 | 19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 | 21 | 22 | | | 26 | 27 | 28 | | | | 36 | 37 | 38 |

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | L | CAN-H |
| 2 | B | GROUND |
| 3 | W | BATTERY POWER SUPPLY |
| 7 | G | AMBIENT SENSOR SIGNAL |
| 9 | R | SUNLOAD SENSOR SIGNAL |
| 13 | SB | ACC POWER SUPPLY [With 2.0L turbo gasoline engine] |
| 13 | V | ACC POWER SUPPLY [With VR30 engine] |
| 16 | P | LIN SIGNAL |
| 17 | R | DOOR MOTOR POWER SUPPLY |
| 18 | P | BLOWER MOTOR CONTROL SIGNAL |
| 20 | L | HEATED STEERING WHEEL RELAY CONTROL SIGNAL |
| 21 | P | CAN-L |
| 22 | B | GROUND |
| 23 | R | IGNITION POWER SUPPLY [With VR30 engine and with ISS] |
| 23 | W | IGNITION POWER SUPPLY [Except with VR30 engine and with ISS] |
| 26 | B | SENSOR GROUND |
| 27 | LG | IN-VEHICLE SENSOR SIGNAL |
| 28 | BR | INTAKE SENSOR SIGNAL |
| 30 | BG | EXHAUST GAS / OUTSIDE ODOR DETECTING SENSOR SIGNAL |
| 37 | B | GROUND |
| 38 | BG | IONIZER (ON/OFF) CONTROL SIGNAL |
| 40 | BG | ECV CONTROL SIGNAL |

JRMWJ4929GB

IGNITION POWER SUPPLY (2.0L TURBO GASOLINE ENGINE)

| Connector No. | M97 |
|---|---|
| Connector Name | BACK-UP LAMP RELAY |
| Connector Type | M502FL-M2-LC |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | R | - |
| 2 | SB | - [With 2.0L turbo gasoline engine] |
| 2 | W | - [With VR30 engine] |
| 3 | R | - |
| 5 | BR | - |

| Connector No. | M131 |
|---|---|
| Connector Name | FUSE BLOCK (J/B) |
| Connector Type | M02FW-LC |

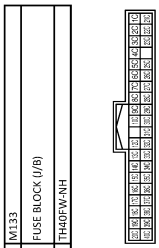
| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1A | Y | - |
| 2A | Y | - |

| Connector No. | M100 |
|---|---|
| Connector Name | DISPLAY CONTROL UNIT |
| Connector Type | TH24FW-NH |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 16 | LG | AV COMM (L) |
| 17 | P | CAN-L |
| 19 | R | DIMMER SIGNAL |
| 20 | BR | REVERSE SIGNAL |
| 22 | B | GND |
| 26 | BR | CAMERA SWITCH SIGNAL |
| 28 | SB | AV COMM (H) |
| 29 | L | CAN-H |
| 30 | R | IGN [For VR30 engine] |
| 30 | W | IGN [For 2.0L turbo gasoline engine] |
| 31 | R | VEHICLE SPEED SIGNAL (8-PULSE) |
| 33 | SB | ACC [Except for VR30 engine and with ISS] |
| 33 | V | ACC [For VR30 engine and with ISS] |
| 34 | Y | BAT |

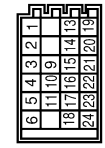
| Connector No. | M133 |
|---|---|
| Connector Name | FUSE BLOCK (J/B) |
| Connector Type | TH40FW-NH |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 10C | V | - |
| 12C | L | - |
| 13C | L | - |
| 14C | Y | - |
| 15C | R | - |
| 16C | R | - |
| 17C | L | - [Without DRPO] |
| 18C | BG | - [With DRPO] |
| 18C | P | - |
| 19C | B | - |
| 1C | R | - |
| 20C | W | - |
| 21C | L | - |
| 22C | L | - |
| 23C | L | - |
| 25C | LG | - |
| 26C | SB | - |
| 27C | P | - |

| 28C | W | - |
|---|---|---|
| 29C | W | - |
| 2C | R | - |
| 30C | R | - |
| 31C | W | - |
| 32C | R | - |
| 33C | B | - [With VR30 engine] |
| 33C | R | - [With 2.0L turbo gasoline engine] |
| 34C | W/B | - |
| 35C | SB | - |
| 36C | R | - |
| 37C | W | - |
| 38C | SB | - |
| 39C | V | - |
| 3C | P | - |
| 40C | G | - |
| 4C | P | - |
| 5C | P | - |
| 6C | G | - |
| 7C | G | - |
| 8C | G | - |
| 9C | V | - |

| Connector No. | M135 |
|---|---|
| Connector Name | JOINT CONNECTOR-M09 |
| Connector Type | 24342_4GA2A |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | B | - |
| 2 | B | - |
| 3 | B | - |
| 4 | B | - |
| 5 | B | - |
| 6 | B | - |
| 9 | LG | - |
| 10 | LG | - |
| 11 | LG | - |
| 13 | B | - [With VR30 engine] |
| 13 | SB | - [With 2.0L turbo gasoline engine] |
| 14 | B | - [With VR30 engine] |

| 14 | SB | - [With 2.0L turbo gasoline engine] |
|---|---|---|
| 15 | B | - [With VR30 engine] |
| 15 | SB | - [With 2.0L turbo gasoline engine] |
| 16 | SB | - [With VR30 engine] |
| 16 | Y | - [With VR30 engine] |
| 17 | SB | - [With 2.0L turbo gasoline engine] |
| 17 | Y | - [With VR30 engine] |
| 18 | SB | - [With 2.0L turbo gasoline engine] |
| 18 | Y | - [With VR30 engine] |
| 19 | SHIELD | - |
| 20 | R | - |
| 21 | R | - |
| 22 | SHIELD | - |
| 23 | L | - |
| 24 | L | - |

| Connector No. | M139 |
|---|---|
| Connector Name | DIODE-2 |
| Connector Type | ET02-2W |

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

| Connector No. | M146 |
|---|---|
| Connector Name | WIRE TO WIRE |
| Connector Type | TK36MW-NS10 |

JRMWJ4930GB

IGNITION POWER SUPPLY (2.0L TURBO GASOLINE ENGINE)

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 5 | R | - |
| 8 | GR | - |
| 9 | V | - |
| 10 | BG | - |
| 11 | L | - |
| 12 | P | - |
| 13 | SB | - |
| 14 | Y | - |
| 15 | G | - |
| 16 | BR | - |
| 17 | W | - |
| 18 | R | - |
| 19 | L | - |
| 20 | SHIELD | - |
| 21 | BR | - |
| 22 | B | - |
| 23 | G | - |
| 24 | L | - |
| 25 | R | - |
| 26 | G | - |
| 30 | Y | - |
| 31 | GR | - |
| 32 | SB | - |
| 33 | BG | - |
| 34 | W | - |
| 35 | G | - |
| 36 | R | - |
| 37 | SHIELD | - |
| 38 | B | - |
| 39 | W | - |
| 40 | B | - |
| 41 | GR | - |
| 42 | B | - |
| 43 | LG | - |
| 44 | B | - |
| 45 | SB | - |
| 46 | B | - |

| Connector No. | M171 |
|---|---|
| Connector Name | JOINT CONNECTOR-M01 |
| Connector Type | 24342_4GA2A |

H.S.




| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | B | - |
| 2 | B | - |
| 3 | B | - |
| 4 | B | - |
| 5 | B | - |
| 6 | B | - |
| 7 | B | - |
| 8 | B | - |
| 9 | B | - |
| 10 | G | - |
| 11 | G | - |
| 14 | B | - |
| 15 | B | - |
| 16 | SB | - [With VR30 engine] |
| 16 | Y | - [With 2.0L turbo gasoline engine] |
| 17 | SB | - [With VR30 engine] |
| 17 | Y | - [With 2.0L turbo gasoline engine] |
| 18 | SB | - [With VR30 engine] |
| 18 | Y | - [With 2.0L turbo gasoline engine] |
| 19 | G | - |
| 20 | G | - |
| 22 | LG | - [With VR30 engine] |
| 22 | SB | - [With 2.0L turbo gasoline engine] |
| 23 | LG | - [With VR30 engine] |
| 23 | SB | - [With 2.0L turbo gasoline engine] |
| 24 | LG | - [With VR30 engine] |
| 24 | SB | - [With 2.0L turbo gasoline engine] |

| Connector No. | M175 |
|---|---|
| Connector Name | JOINT CONNECTOR-M05 |
| Connector Type | NH20FL-DC |

H.S.




| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | L | - |
| 2 | L | - |
| 3 | L | - |
| 4 | L | - |
| 5 | L | - |
| 6 | L | - |
| 7 | L | - |
| 8 | L | - |
| 9 | P | - |
| 10 | P | - |
| 11 | P | - |
| 12 | P | - |
| 13 | P | - |
| 14 | P | - |
| 15 | P | - |
| 16 | P | - [With VR30 engine] |
| 16 | R | - [With 2.0L turbo gasoline engine] |
| 17 | P | - [With VR30 engine] |
| 17 | R | - [With 2.0L turbo gasoline engine] |
| 19 | R | - [With VR30 engine and with ISS] |
| 19 | W | - [Except with VR30 engine and with ISS] |
| 20 | R | - [With VR30 engine and with ISS] |
| 20 | W | - [Except with VR30 engine and with ISS] |

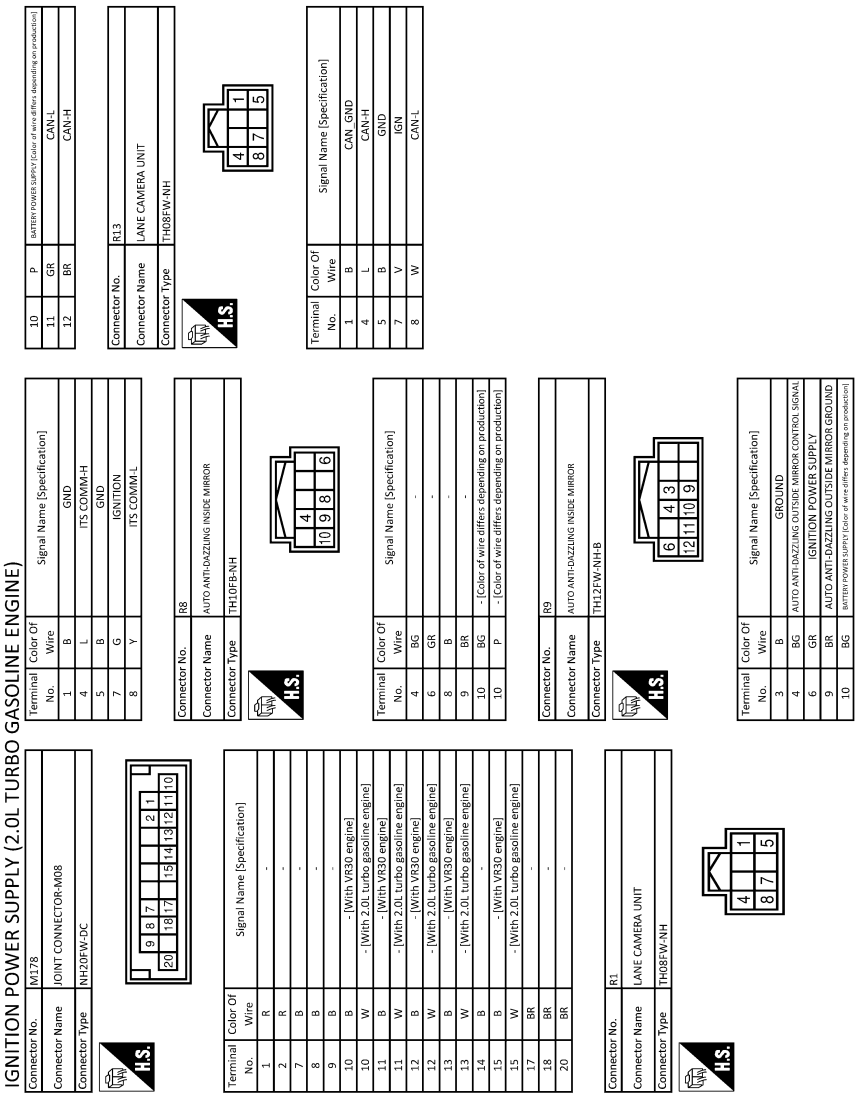
| Connector No. | M177 |
|---|---|
| Connector Name | JOINT CONNECTOR-M07 |
| Connector Type | 24342_4GA2A |

H.S.




| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | L | - |
| 2 | L | - |
| 3 | L | - |
| 4 | L | - |
| 5 | L | - |
| 6 | L | - |
| 7 | P | - |
| 8 | P | - |
| 9 | P | - |
| 10 | P | - |
| 11 | P | - |
| 12 | P | - |
| 13 | L | - |
| 14 | L | - |
| 15 | L | - |
| 16 | L | - |
| 17 | L | - |
| 18 | L | - |
| 19 | W | - |
| 20 | W | - |
| 21 | W | - |
| 22 | P | - |
| 23 | P | - |
| 24 | P | - |

JRMWJ4931GB




JRMWJ4932GB

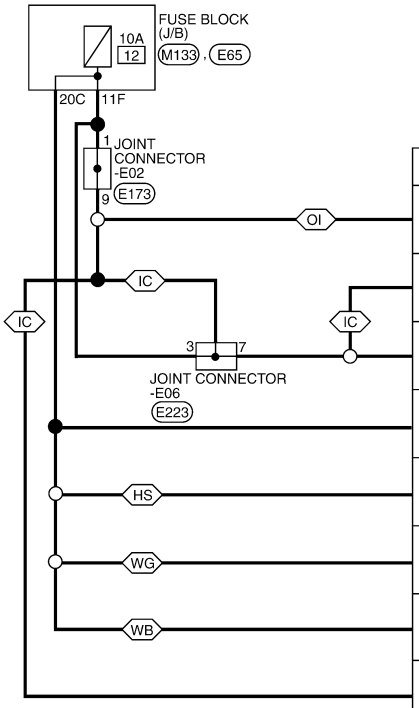
## 2.0L TURBO GASOLINE ENGINE : Wiring Diagram - IGNITION POWER SUPPLY

## FUSE No. 12 -

INFOID:0000000013358793

### IGNITION POWER SUPPLY FUSE No. 12 (2.0L TURBO GASOLINE ENGINE)

WG : With CAN gateway
WD : With direct adaptive steering
AI : With ACCS
HS : With heated seat
OI : Without ICC
IC : With ICC




| Connector No. | Terminal No. | Connect to |
|---|---|---|
| E57 | 1 | STOP LAMP SWITCH |
| E44 | 1 | BRAKE PEDAL POSITION SWITCH |
| E221 | 5 | POWER STEERING CONTROL MODULE |
| M25 | 8 | DATA LINK CONNECTOR |
| M46 | 2 | HEATED SEAT RELAY |
| M24 | 9 | CAN GATEWAY |
| M178 | 25 | STEERING FORCE CONTROL MODULE |
| E34 | 5 | SHIFT LOCK RELAY |

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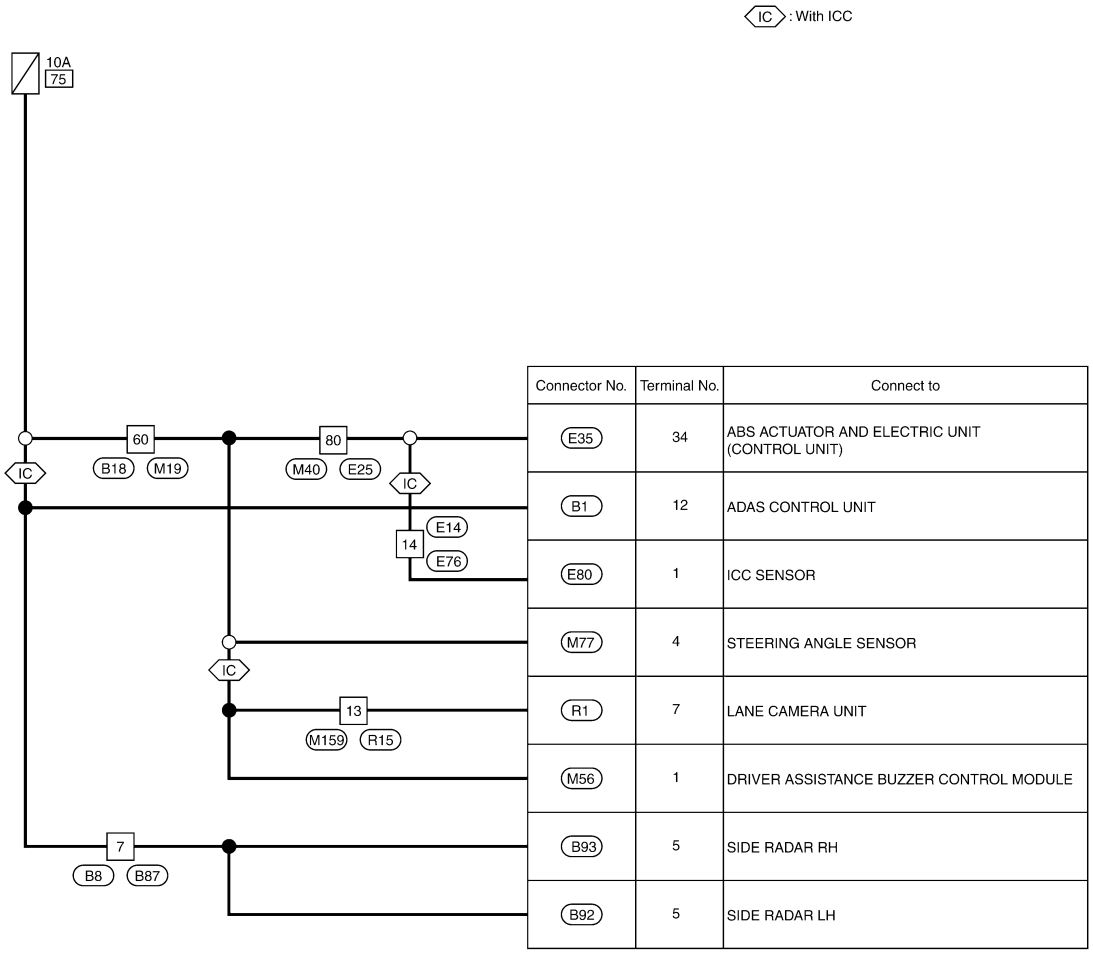
JRMWJ1913GB

## 2.0L TURBO GASOLINE ENGINE : Wiring Diagram - IGNITION POWER SUPPLY

## FUSE No. 75 -

INFOID:0000000013358795

### IGNITION POWER SUPPLY FUSE No. 75 (2.0L TURBO GASOLINE ENGINE)




| Connector No. | Terminal No. | Connect to |
|---|---|---|
| E35 | 34 | ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT) |
| B1 | 12 | ADAS CONTROL UNIT |
| E80 | 1 | ICC SENSOR |
| M77 | 4 | STEERING ANGLE SENSOR |
| R1 | 7 | LANE CAMERA UNIT |
| M56 | 1 | DRIVER ASSISTANCE BUZZER CONTROL MODULE |
| B93 | 5 | SIDE RADAR RH |
| B92 | 5 | SIDE RADAR LH |

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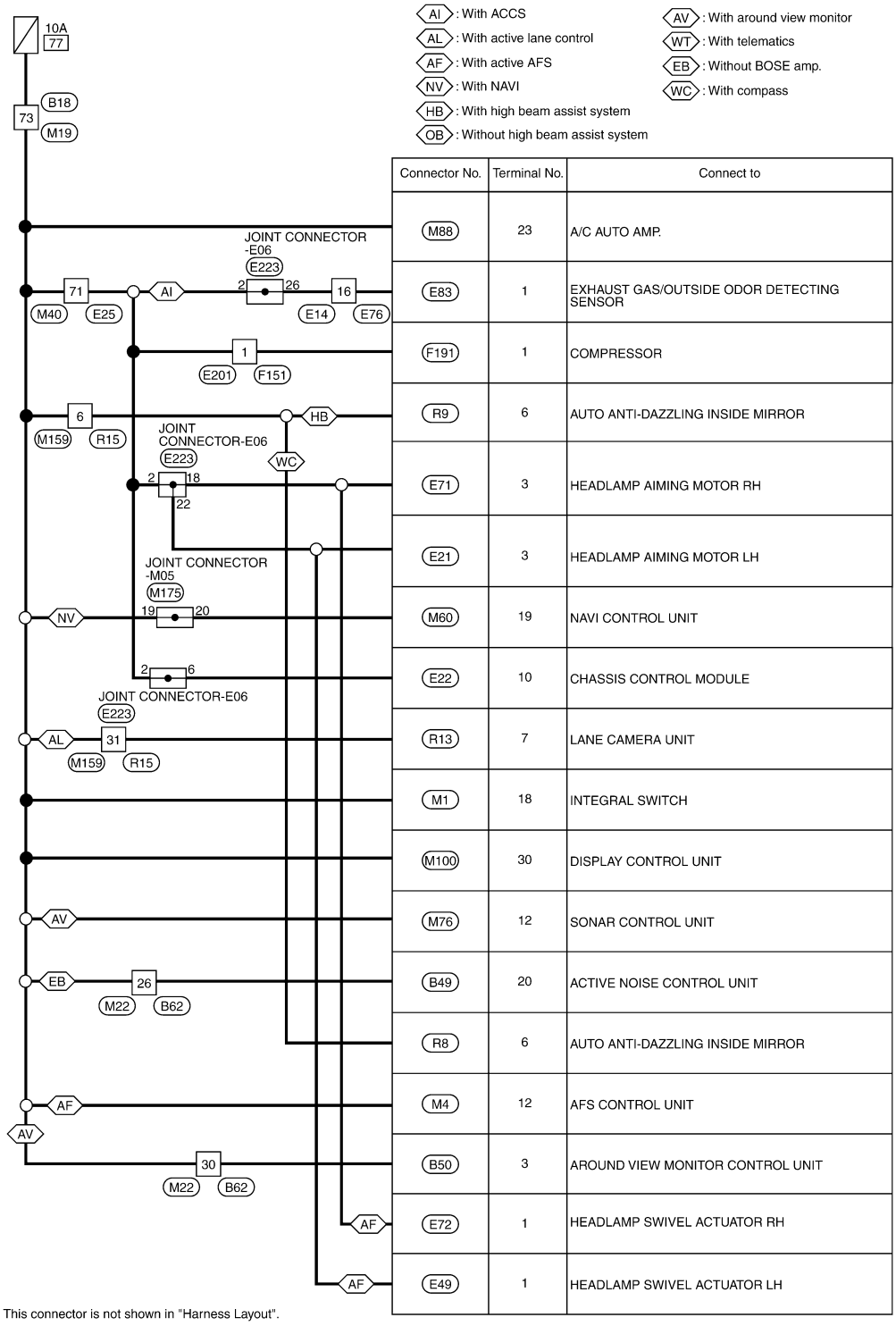
## 2.0L TURBO GASOLINE ENGINE : Wiring Diagram - IGNITION POWER SUPPLY

# FUSE No. 77 -

INFOID:0000000013358796

## IGNITION POWER SUPPLY FUSE No. 77 (2.0L TURBO GASOLINE ENGINE)




| Connector No. | Terminal No. | Connect to |
|---|---|---|
| M88 | 23 | A/C AUTO AMP. |
| E83 | 1 | EXHAUST GAS/OUTSIDE ODOR DETECTING SENSOR |
| F191 | 1 | COMPRESSOR |
| R9 | 6 | AUTO ANTI-DAZZLING INSIDE MIRROR |
| E71 | 3 | HEADLAMP AIMING MOTOR RH |
| E21 | 3 | HEADLAMP AIMING MOTOR LH |
| M60 | 19 | NAVI CONTROL UNIT |
| E22 | 10 | CHASSIS CONTROL MODULE |
| R13 | 7 | LANE CAMERA UNIT |
| M1 | 18 | INTEGRAL SWITCH |
| M100 | 30 | DISPLAY CONTROL UNIT |
| M76 | 12 | SONAR CONTROL UNIT |
| B49 | 20 | ACTIVE NOISE CONTROL UNIT |
| R8 | 6 | AUTO ANTI-DAZZLING INSIDE MIRROR |
| M4 | 12 | AFS CONTROL UNIT |
| B50 | 3 | AROUND VIEW MONITOR CONTROL UNIT |
| E72 | 1 | HEADLAMP SWIVEL ACTUATOR RH |
| E49 | 1 | HEADLAMP SWIVEL ACTUATOR LH |

∗ : This connector is not shown in "Harness Layout".

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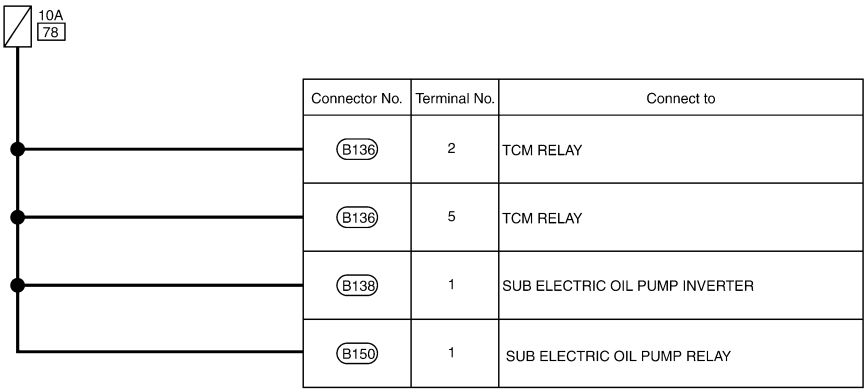
# 2.0L TURBO GASOLINE ENGINE : Wiring Diagram - IGNITION POWER SUPPLY

## FUSE No. 78 -

INFOID:0000000013358797

IGNITION POWER SUPPLY FUSE No. 78 (2.0L TURBO GASOLINE ENGINE)




| Connector No. | Terminal No. | Connect to |
|---|---|---|
| B136 | 2 | TCM RELAY |
| B136 | 5 | TCM RELAY |
| B138 | 1 | SUB ELECTRIC OIL PUMP INVERTER |
| B150 | 1 | SUB ELECTRIC OIL PUMP RELAY |

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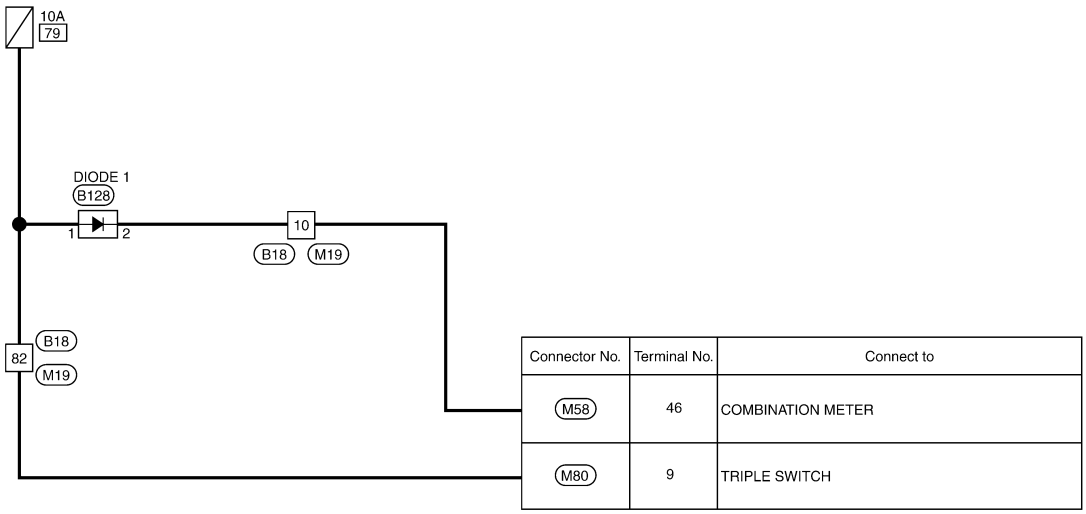
JRMWJ1916GB

## 2.0L TURBO GASOLINE ENGINE : Wiring Diagram - IGNITION POWER SUPPLY

## FUSE No. 79 -

INFOID:0000000013358798

IGNITION POWER SUPPLY FUSE No. 79 (2.0L TURBO GASOLINE ENGINE)




| Connector No. | Terminal No. | Connect to |
|---|---|---|
| M58 | 46 | COMBINATION METER |
| M80 | 9 | TRIPLE SWITCH |

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JRMWJ1917GB

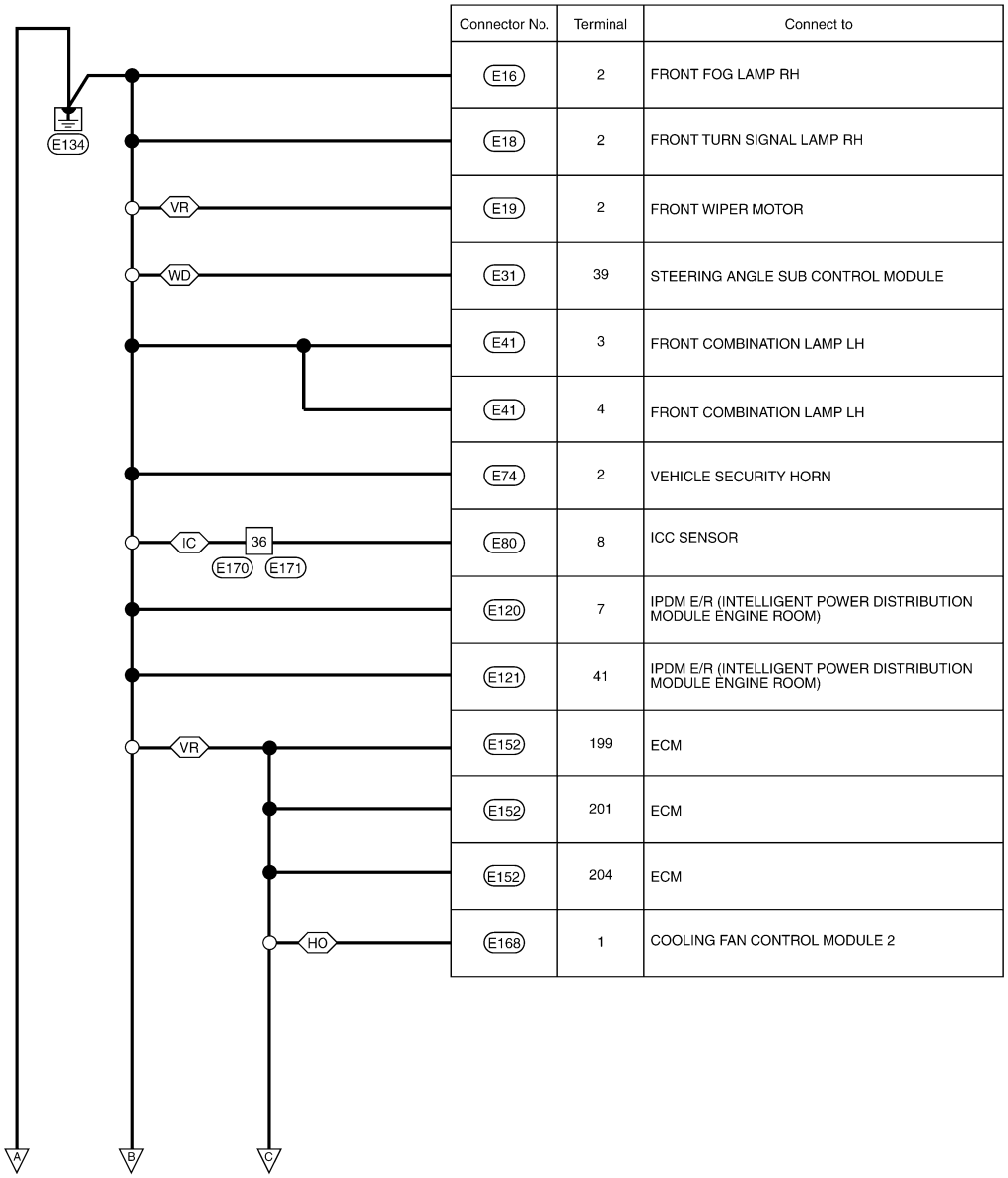
# GROUND DISTRIBUTION

## Engine Room Harness

INFOID:0000000012791635

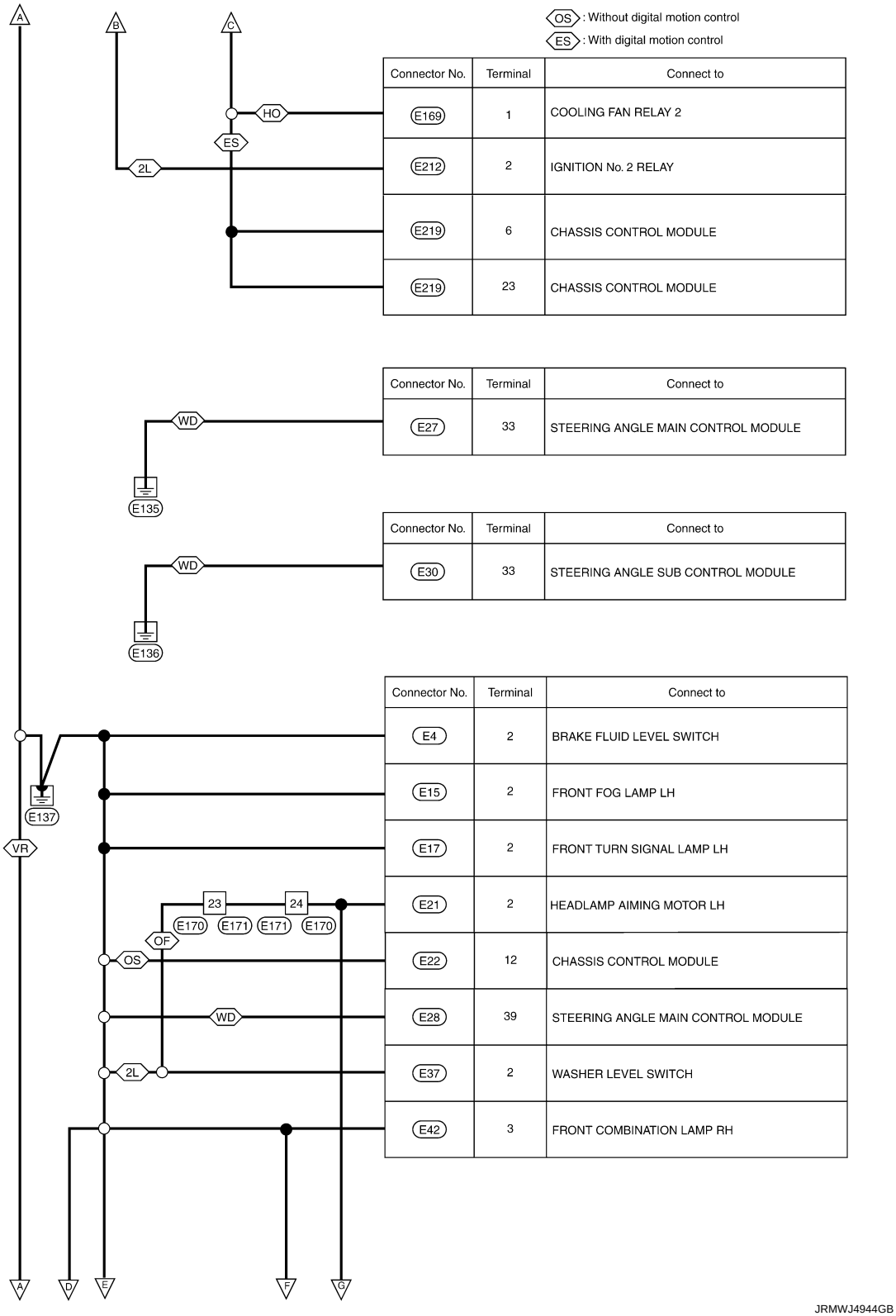
### ENGINE ROOM HARNESS

OF : Wthout AFS
IC : With ICC
WD : With direct adaptive steering
VR : With VR engine
2L : 2.0L Turbo gasoline engine
OD : Without direct adaptive steering
HO : VR30DDTT turbo high pressure model and for Mexico




| Connector No. | Terminal | Connect to |
|---|---|---|
| E16 | 2 | FRONT FOG LAMP RH |
| E18 | 2 | FRONT TURN SIGNAL LAMP RH |
| E19 | 2 | FRONT WIPER MOTOR |
| E31 | 39 | STEERING ANGLE SUB CONTROL MODULE |
| E41 | 3 | FRONT COMBINATION LAMP LH |
| E41 | 4 | FRONT COMBINATION LAMP LH |
| E74 | 2 | VEHICLE SECURITY HORN |
| E80 | 8 | ICC SENSOR |
| E120 | 7 | IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) |
| E121 | 41 | IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) |
| E152 | 199 | ECM |
| E152 | 201 | ECM |
| E152 | 204 | ECM |
| E168 | 1 | COOLING FAN CONTROL MODULE 2 |

JRMWJ4943GB



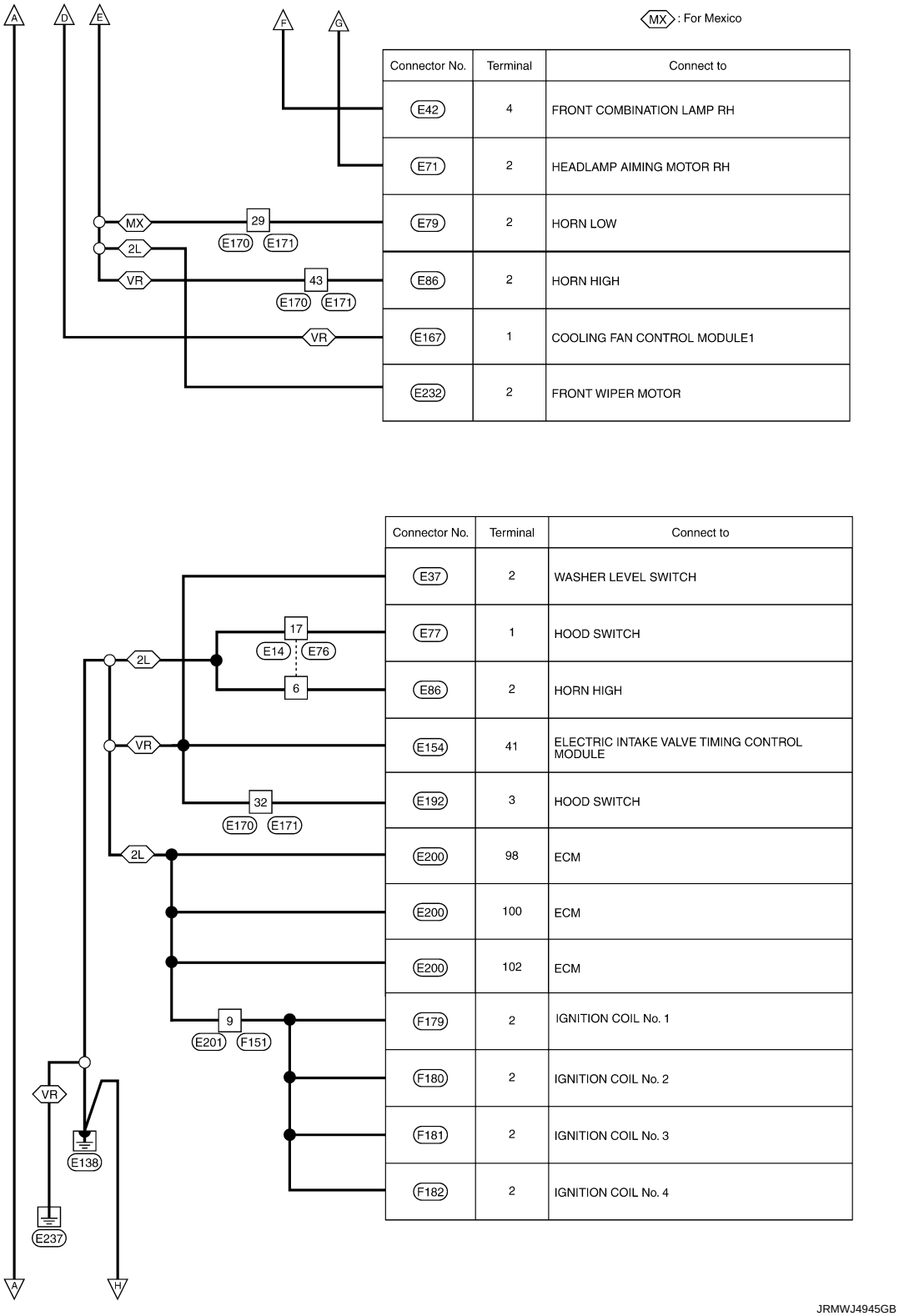

| Connector No. | Terminal | Connect to |
|---|---|---|
| E169 | 1 | COOLING FAN RELAY 2 |
| E212 | 2 | IGNITION No. 2 RELAY |
| E219 | 6 | CHASSIS CONTROL MODULE |
| E219 | 23 | CHASSIS CONTROL MODULE |

| Connector No. | Terminal | Connect to |
|---|---|---|
| E27 | 33 | STEERING ANGLE MAIN CONTROL MODULE |

| Connector No. | Terminal | Connect to |
|---|---|---|
| E30 | 33 | STEERING ANGLE SUB CONTROL MODULE |

| Connector No. | Terminal | Connect to |
|---|---|---|
| E4 | 2 | BRAKE FLUID LEVEL SWITCH |
| E15 | 2 | FRONT FOG LAMP LH |
| E17 | 2 | FRONT TURN SIGNAL LAMP LH |
| E21 | 2 | HEADLAMP AIMING MOTOR LH |
| E22 | 12 | CHASSIS CONTROL MODULE |
| E28 | 39 | STEERING ANGLE MAIN CONTROL MODULE |
| E37 | 2 | WASHER LEVEL SWITCH |
| E42 | 3 | FRONT COMBINATION LAMP RH |

JRMWJ4944GB




MX : For Mexico

| Connector No. | Terminal | Connect to |
|---|---|---|
| E42 | 4 | FRONT COMBINATION LAMP RH |
| E71 | 2 | HEADLAMP AIMING MOTOR RH |
| E79 | 2 | HORN LOW |
| E86 | 2 | HORN HIGH |
| E167 | 1 | COOLING FAN CONTROL MODULE1 |
| E232 | 2 | FRONT WIPER MOTOR |

| Connector No. | Terminal | Connect to |
|---|---|---|
| E37 | 2 | WASHER LEVEL SWITCH |
| E77 | 1 | HOOD SWITCH |
| E86 | 2 | HORN HIGH |
| E154 | 41 | ELECTRIC INTAKE VALVE TIMING CONTROL MODULE |
| E192 | 3 | HOOD SWITCH |
| E200 | 98 | ECM |
| E200 | 100 | ECM |
| E200 | 102 | ECM |
| F179 | 2 | IGNITION COIL No. 1 |
| F180 | 2 | IGNITION COIL No. 2 |
| F181 | 2 | IGNITION COIL No. 3 |
| F182 | 2 | IGNITION COIL No. 4 |

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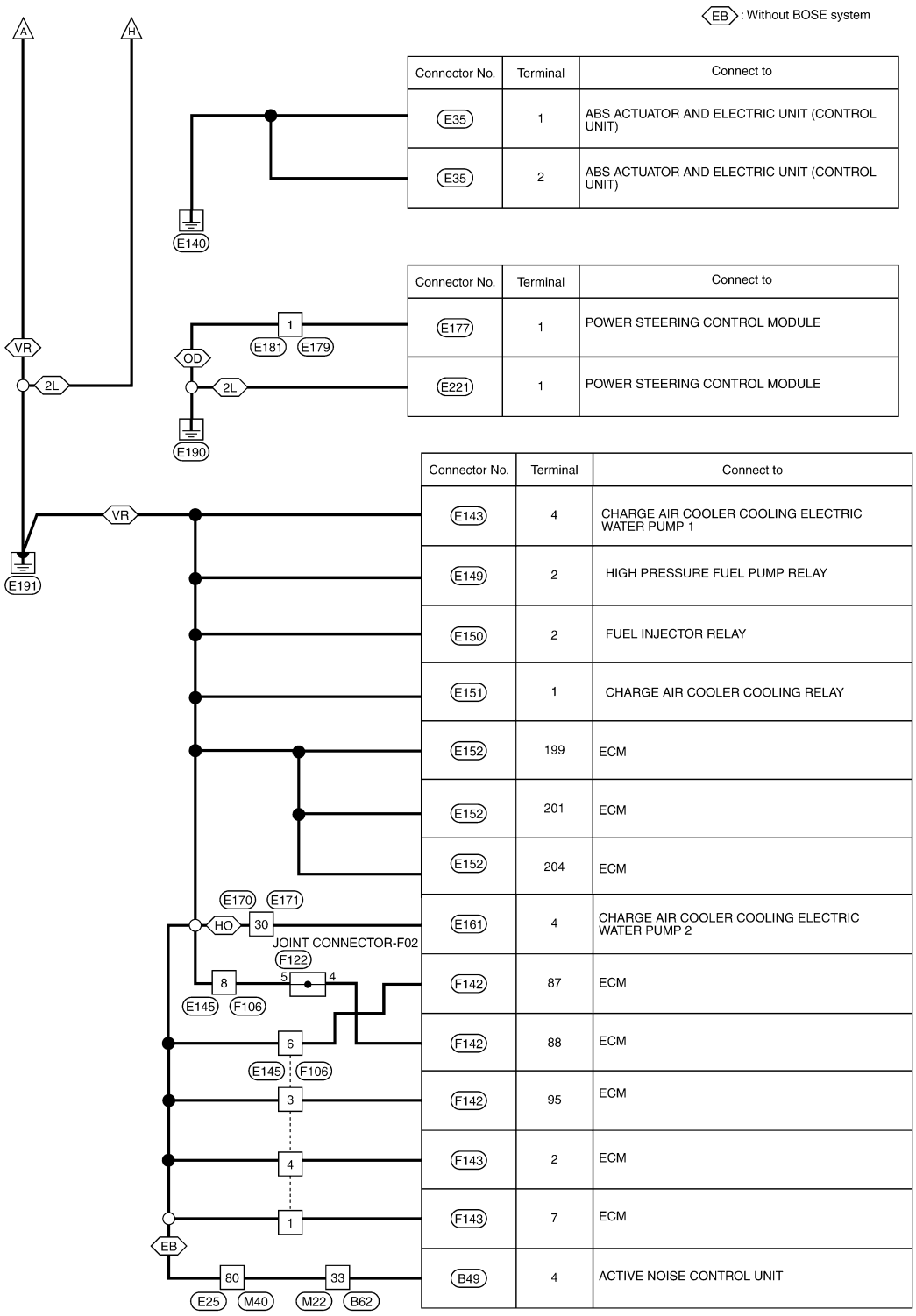


| Connector No. | Terminal | Connect to |
|---|---|---|
| E35 | 1 | ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT) |
| E35 | 2 | ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT) |

| Connector No. | Terminal | Connect to |
|---|---|---|
| E177 | 1 | POWER STEERING CONTROL MODULE |
| E221 | 1 | POWER STEERING CONTROL MODULE |

| Connector No. | Terminal | Connect to |
|---|---|---|
| E143 | 4 | CHARGE AIR COOLER COOLING ELECTRIC WATER PUMP 1 |
| E149 | 2 | HIGH PRESSURE FUEL PUMP RELAY |
| E150 | 2 | FUEL INJECTOR RELAY |
| E151 | 1 | CHARGE AIR COOLER COOLING RELAY |
| E152 | 199 | ECM |
| E152 | 201 | ECM |
| E152 | 204 | ECM |
| E161 | 4 | CHARGE AIR COOLER COOLING ELECTRIC WATER PUMP 2 |
| F142 | 87 | ECM |
| F142 | 88 | ECM |
| F142 | 95 | ECM |
| F143 | 2 | ECM |
| F143 | 7 | ECM |
| B49 | 4 | ACTIVE NOISE CONTROL UNIT |

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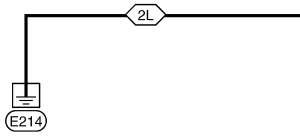


| Connector No. | Terminal | Connect to |
|---|---|---|
| E213 | 1 | COOLING FAN CONTROL MODULE |

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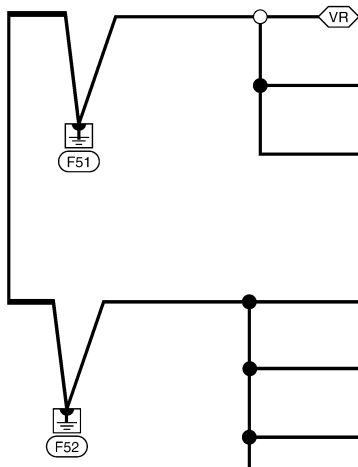
# Engine Control Harness

INFOID:0000000012791636

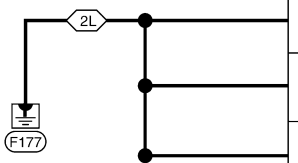
## ENGINE CONTROL HARNESS

VR : With VR engine
2L : 2.0L turbo gasoline engine




| Connector No. | Terminal No. | Connect to |
|---|---|---|
| F1 | 2 | COMPRESSOR |
| F2 | 5 | A/T ASSEMBLY |
| F2 | 10 | A/T ASSEMBLY |

| Connector No. | Terminal No. | Connect to |
|---|---|---|
| F85 | 2 | CONDENSER |
| F111 | 2 | IGNITION COIL No. 1 (WITH POWER TRANSISTOR) |
| F112 | 2 | IGNITION COIL No. 2 (WITH POWER TRANSISTOR) |
| F113 | 2 | IGNITION COIL No. 3 (WITH POWER TRANSISTOR) |
| F114 | 2 | IGNITION COIL No. 4 (WITH POWER TRANSISTOR) |
| F115 | 2 | IGNITION COIL No. 5 (WITH POWER TRANSISTOR) |
| F116 | 2 | IGNITION COIL No. 6 (WITH POWER TRANSISTOR) |




| Connector No. | Terminal No. | Connect to |
|---|---|---|
| F175 | 1 | ENGINE OIL LEVEL SWITCH |
| F179 | 4 | IGNITION COIL No. 1 |
| F180 | 4 | IGNITION COIL No. 2 |
| F181 | 4 | IGNITION COIL No. 3 |
| F182 | 4 | IGNITION COIL No. 4 |

2016/02/15

JRMWJ4948GB

# Main Harness

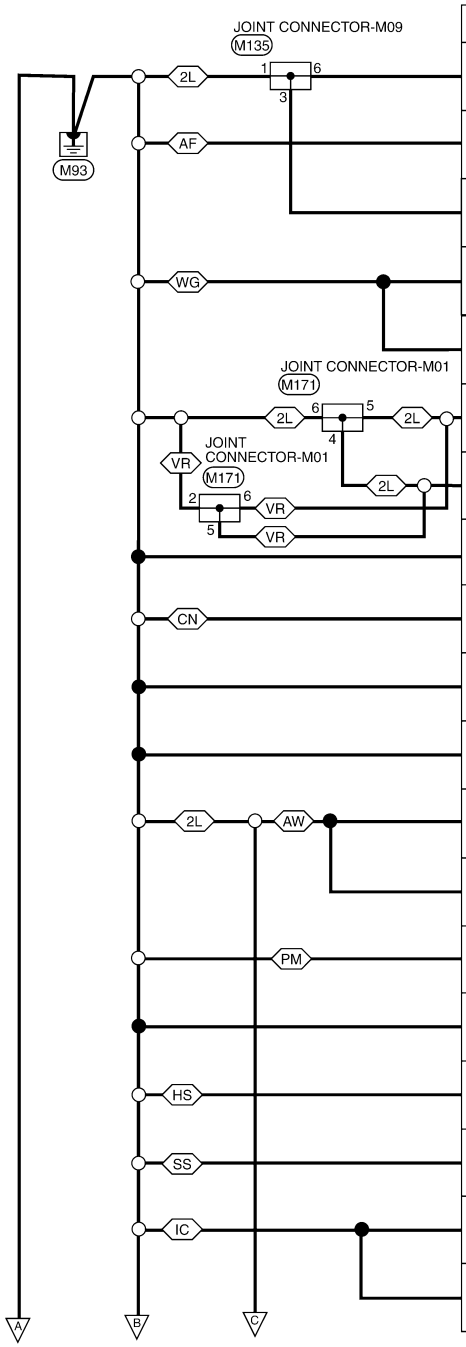
INFOID:0000000012791637

## MAIN HARNESS

*3 2 : VR
6 : 2L
*4 3 : VR
2 : 2L

WB : With BOSE system
CN : For Canada
WD : With direct adaptive steering
OM : Without automatic drive positioner
WT : With telematics

HS : With heated seat
PS : With paddle shifter
AF : With active AFS
IC : With ICC
AV : With around view monitor
AW : AWD models




| Connector No. | Terminal | Connect to |
|---|---|---|
| M1 | 13 | INTEGRAL SWITCH |
| M4 | 11 | AFS CONTROL UNIT |
| M7 | 4 | A/T SHIFT SELECTOR |
| M24 | 5 | CAN GATEWAY |
| M24 | 11 | CAN GATEWAY |
| M25 | 4 | DATA LINK CONNECTOR |
| M25 | 5 | DATA LINK CONNECTOR |
| M27 | 6 | COMBINATION SWITCH |
| M32 | 4 | DONGLE UNIT |
| M35 | 1 | DRIVER MODE SELECT SWITCH |
| M38 | 4 | PUSH-BUTTON IGNITION SWITCH |
| M42 | 10 | AWD CONTROL UNIT |
| M42 | 11 | AWD CONTROL UNIT |
| M44 | 30 | AUTOMATIC DRIVE POSITIONER CONTROL UNIT |
| M45 | 2 | GLOVE BOX LAMP |
| M46 | 1 | HEATED SEAT RELAY |
| M47 | 2 | HEATED STEERING WHEEL |
| M56 | 5 | DRIVER ASSISTANCE BUZZER CONTROL MODULE |
| M56 | 13 | DRIVER ASSISTANCE BUZZER CONTROL MODULE |

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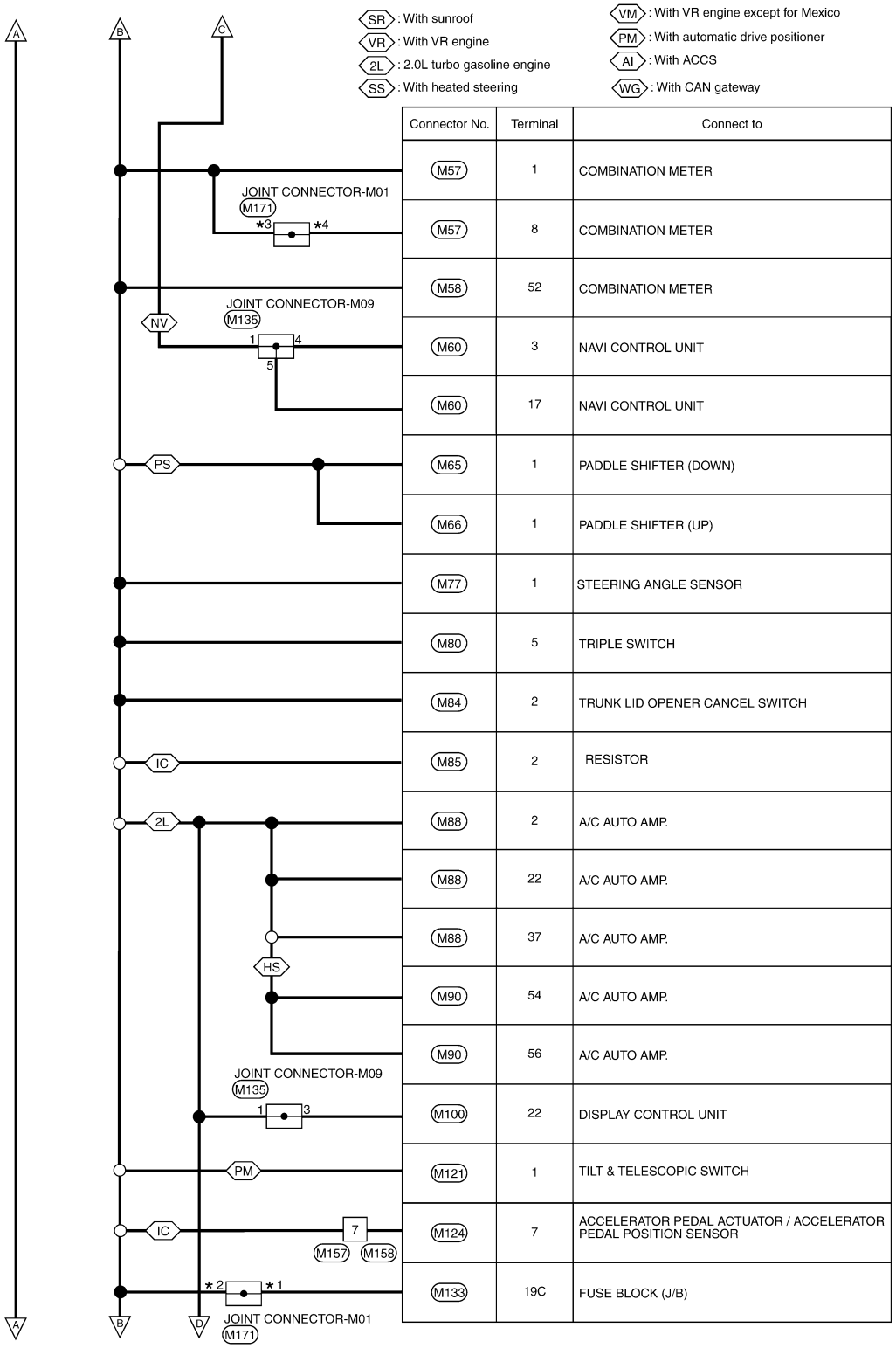


| Connector No. | Terminal | Connect to |
|---|---|---|
| M57 | 1 | COMBINATION METER |
| M57 | 8 | COMBINATION METER |
| M58 | 52 | COMBINATION METER |
| M60 | 3 | NAVI CONTROL UNIT |
| M60 | 17 | NAVI CONTROL UNIT |
| M65 | 1 | PADDLE SHIFTER (DOWN) |
| M66 | 1 | PADDLE SHIFTER (UP) |
| M77 | 1 | STEERING ANGLE SENSOR |
| M80 | 5 | TRIPLE SWITCH |
| M84 | 2 | TRUNK LID OPENER CANCEL SWITCH |
| M85 | 2 | RESISTOR |
| M88 | 2 | A/C AUTO AMP. |
| M88 | 22 | A/C AUTO AMP. |
| M88 | 37 | A/C AUTO AMP. |
| M90 | 54 | A/C AUTO AMP. |
| M90 | 56 | A/C AUTO AMP. |
| M100 | 22 | DISPLAY CONTROL UNIT |
| M121 | 1 | TILT & TELESCOPIC SWITCH |
| M124 | 7 | ACCELERATOR PEDAL ACTUATOR / ACCELERATOR PEDAL POSITION SENSOR |
| M133 | 19C | FUSE BLOCK (J/B) |

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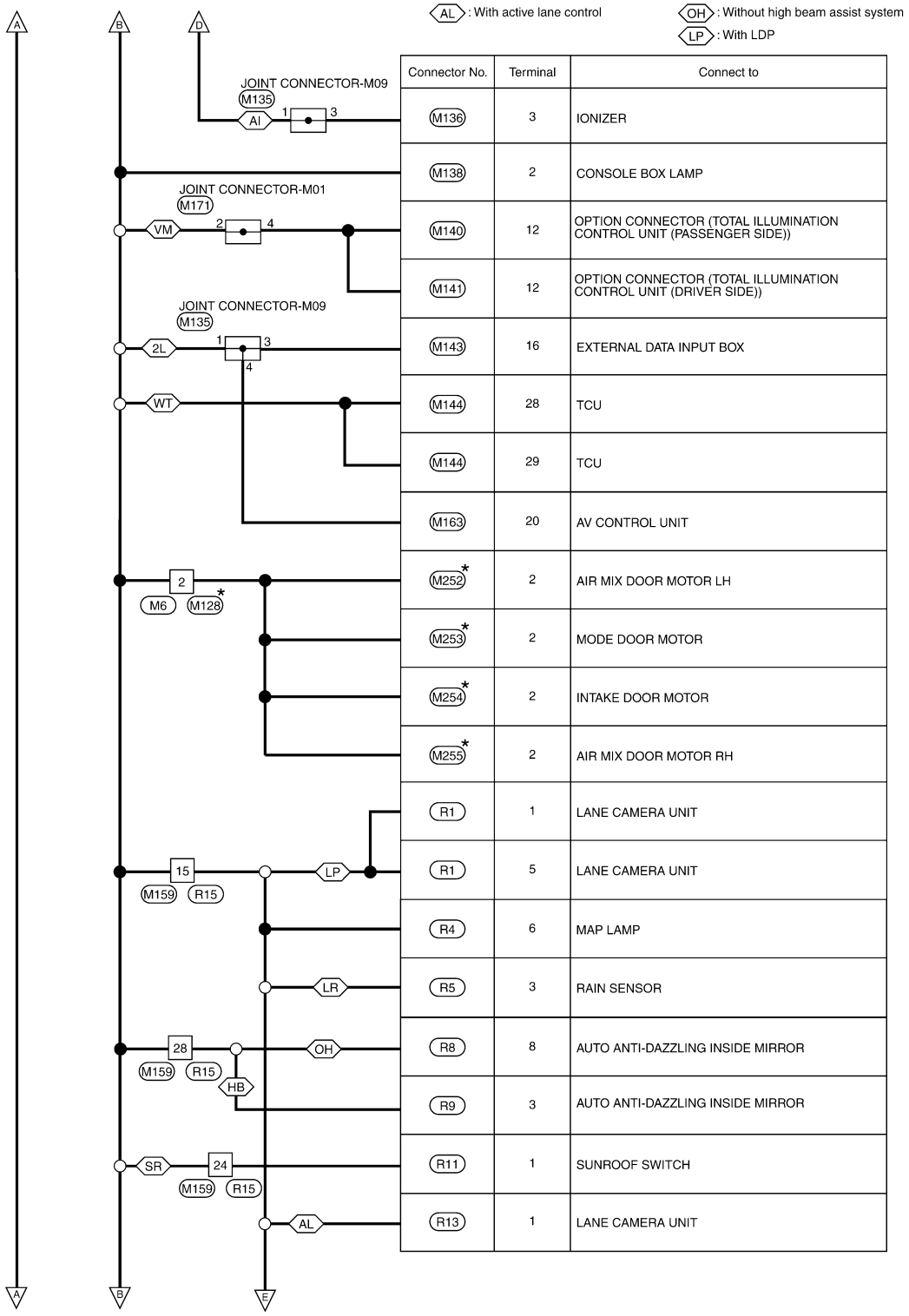


| Connector No. | Terminal | Connect to |
|---|---|---|
| M136 | 3 | IONIZER |
| M138 | 2 | CONSOLE BOX LAMP |
| M140 | 12 | OPTION CONNECTOR (TOTAL ILLUMINATION CONTROL UNIT (PASSENGER SIDE)) |
| M141 | 12 | OPTION CONNECTOR (TOTAL ILLUMINATION CONTROL UNIT (DRIVER SIDE)) |
| M143 | 16 | EXTERNAL DATA INPUT BOX |
| M144 | 28 | TCU |
| M144 | 29 | TCU |
| M163 | 20 | AV CONTROL UNIT |
| M252* | 2 | AIR MIX DOOR MOTOR LH |
| M253* | 2 | MODE DOOR MOTOR |
| M254* | 2 | INTAKE DOOR MOTOR |
| M255* | 2 | AIR MIX DOOR MOTOR RH |
| R1 | 1 | LANE CAMERA UNIT |
| R1 | 5 | LANE CAMERA UNIT |
| R4 | 6 | MAP LAMP |
| R5 | 3 | RAIN SENSOR |
| R8 | 8 | AUTO ANTI-DAZZLING INSIDE MIRROR |
| R9 | 3 | AUTO ANTI-DAZZLING INSIDE MIRROR |
| R11 | 1 | SUNROOF SWITCH |
| R13 | 1 | LANE CAMERA UNIT |

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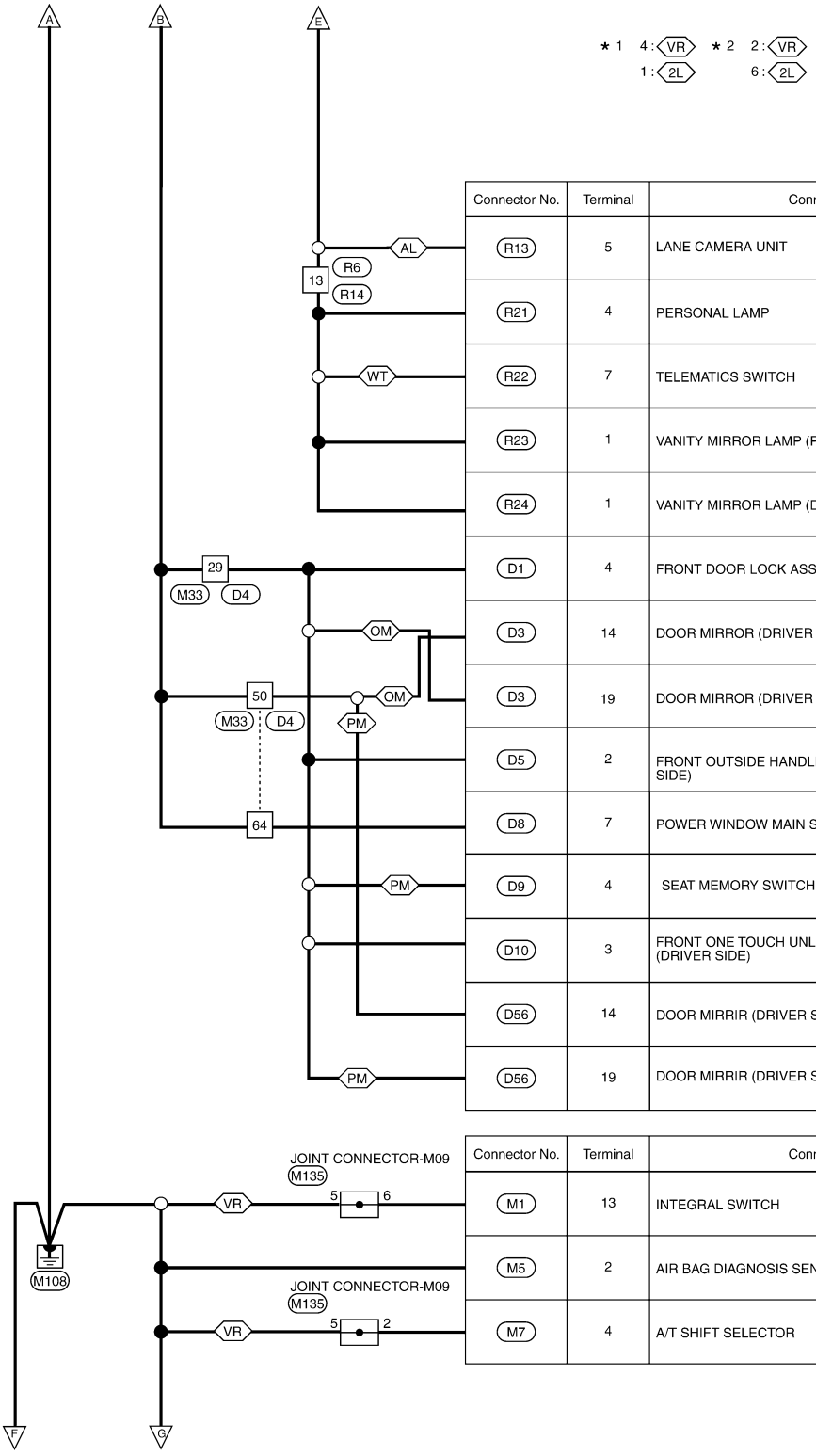


| Connector No. | Terminal | Connect to |
|---|---|---|
| R13 | 5 | LANE CAMERA UNIT |
| R21 | 4 | PERSONAL LAMP |
| R22 | 7 | TELEMATICS SWITCH |
| R23 | 1 | VANITY MIRROR LAMP (PASSENGER SIDE) |
| R24 | 1 | VANITY MIRROR LAMP (DRIVER SIDE) |
| D1 | 4 | FRONT DOOR LOCK ASSEMBLY (DRIVER SIDE) |
| D3 | 14 | DOOR MIRROR (DRIVER SIDE) |
| D3 | 19 | DOOR MIRROR (DRIVER SIDE) |
| D5 | 2 | FRONT OUTSIDE HANDLE ASSEMBLY (DRIVER SIDE) |
| D8 | 7 | POWER WINDOW MAIN SWITCH |
| D9 | 4 | SEAT MEMORY SWITCH |
| D10 | 3 | FRONT ONE TOUCH UNLOCK SENSOR ASSEMBLY (DRIVER SIDE) |
| D56 | 14 | DOOR MIRRIR (DRIVER SIDE) |
| D56 | 19 | DOOR MIRRIR (DRIVER SIDE) |

| Connector No. | Terminal | Connect to |
|---|---|---|
| M1 | 13 | INTEGRAL SWITCH |
| M5 | 2 | AIR BAG DIAGNOSIS SENSOR UNIT |
| M7 | 4 | A/T SHIFT SELECTOR |

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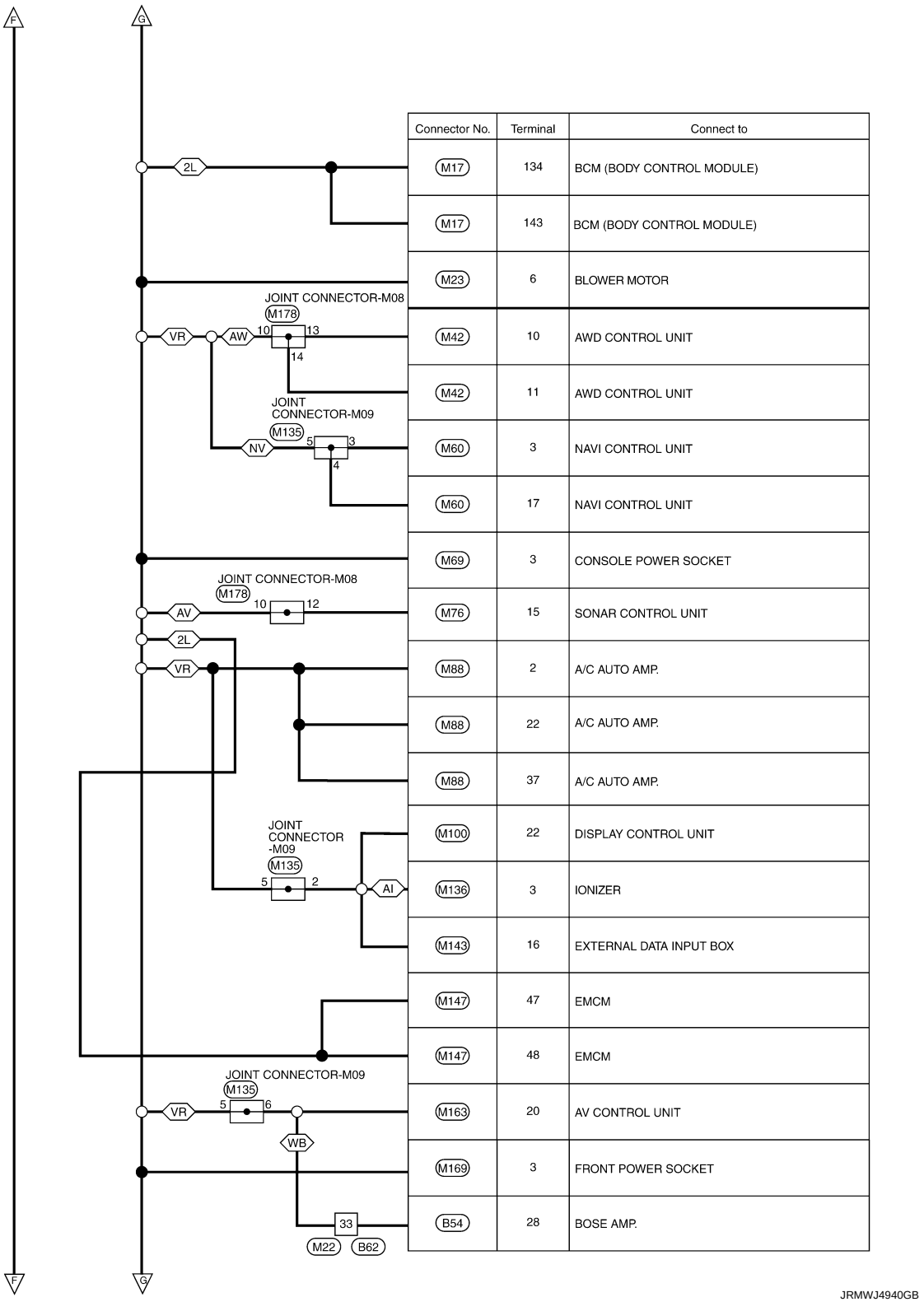
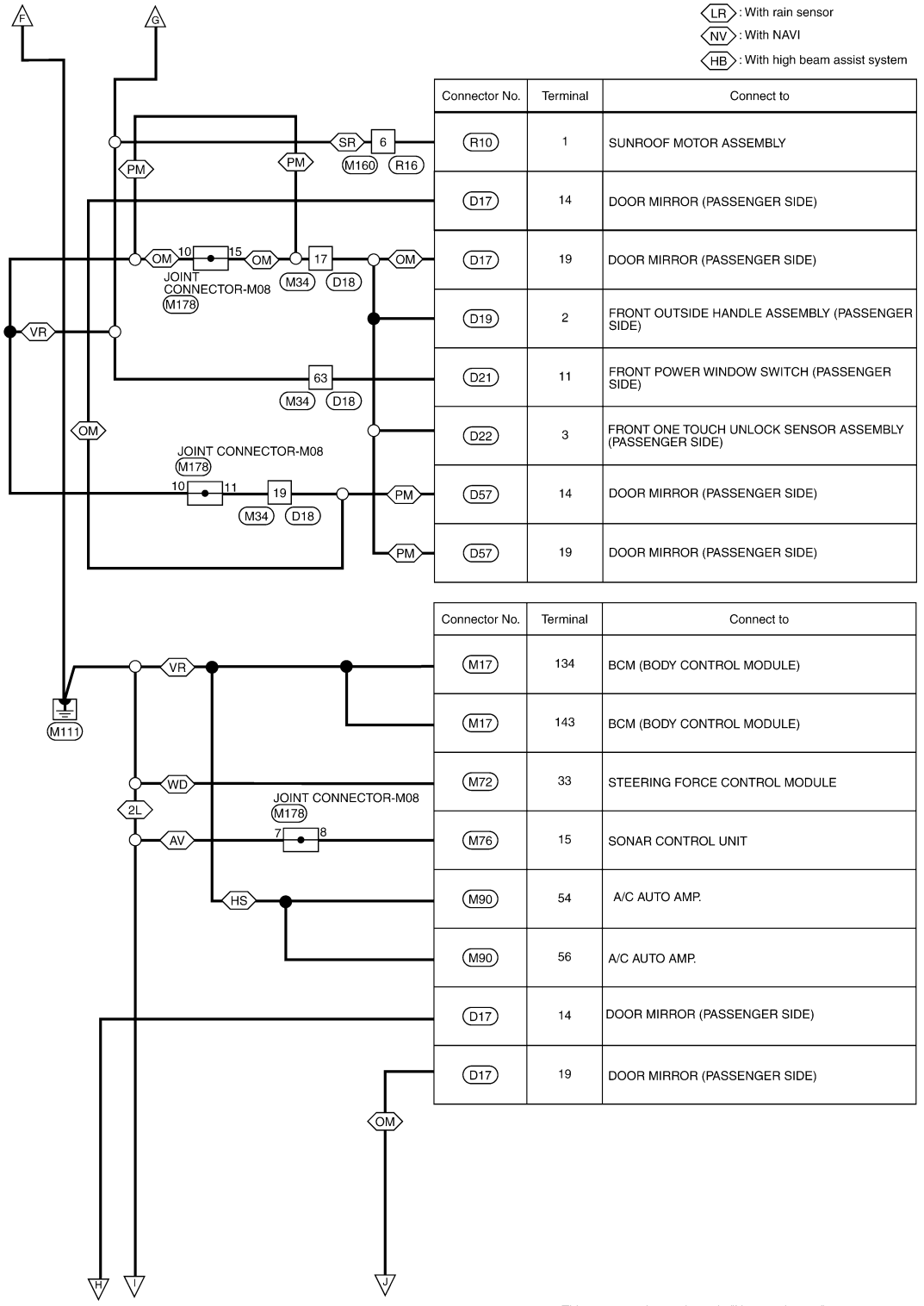



| Connector No. | Terminal | Connect to |
|---|---|---|
| M17 | 134 | BCM (BODY CONTROL MODULE) |
| M17 | 143 | BCM (BODY CONTROL MODULE) |
| M23 | 6 | BLOWER MOTOR |
| M42 | 10 | AWD CONTROL UNIT |
| M42 | 11 | AWD CONTROL UNIT |
| M60 | 3 | NAVI CONTROL UNIT |
| M60 | 17 | NAVI CONTROL UNIT |
| M69 | 3 | CONSOLE POWER SOCKET |
| M76 | 15 | SONAR CONTROL UNIT |
| M88 | 2 | A/C AUTO AMP. |
| M88 | 22 | A/C AUTO AMP. |
| M88 | 37 | A/C AUTO AMP. |
| M100 | 22 | DISPLAY CONTROL UNIT |
| M136 | 3 | IONIZER |
| M143 | 16 | EXTERNAL DATA INPUT BOX |
| M147 | 47 | EMCM |
| M147 | 48 | EMCM |
| M163 | 20 | AV CONTROL UNIT |
| M169 | 3 | FRONT POWER SOCKET |
| B54 | 28 | BOSE AMP. |

JRMWJ4940GB

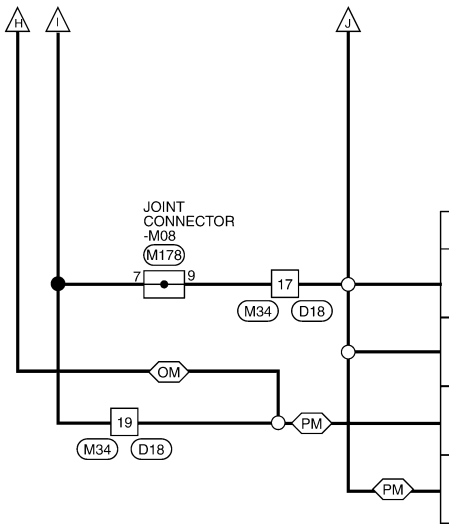



| Connector No. | Terminal | Connect to |
|---|---|---|
| R10 | 1 | SUNROOF MOTOR ASSEMBLY |
| D17 | 14 | DOOR MIRROR (PASSENGER SIDE) |
| D17 | 19 | DOOR MIRROR (PASSENGER SIDE) |
| D19 | 2 | FRONT OUTSIDE HANDLE ASSEMBLY (PASSENGER SIDE) |
| D21 | 11 | FRONT POWER WINDOW SWITCH (PASSENGER SIDE) |
| D22 | 3 | FRONT ONE TOUCH UNLOCK SENSOR ASSEMBLY (PASSENGER SIDE) |
| D57 | 14 | DOOR MIRROR (PASSENGER SIDE) |
| D57 | 19 | DOOR MIRROR (PASSENGER SIDE) |

| Connector No. | Terminal | Connect to |
|---|---|---|
| M17 | 134 | BCM (BODY CONTROL MODULE) |
| M17 | 143 | BCM (BODY CONTROL MODULE) |
| M72 | 33 | STEERING FORCE CONTROL MODULE |
| M76 | 15 | SONAR CONTROL UNIT |
| M90 | 54 | A/C AUTO AMP. |
| M90 | 56 | A/C AUTO AMP. |
| D17 | 14 | DOOR MIRROR (PASSENGER SIDE) |
| D17 | 19 | DOOR MIRROR (PASSENGER SIDE) |

∗ : This connector is not shown in "Harness Layout".

JRMWJ4941GB




| Connector No. | Terminal | Connect to |
|---|---|---|
| D19 | 2 | FRONT OUTSIDE HANDLE ASSEMBLY (PASSENGER SIDE) |
| D22 | 3 | FRONT ONE TOUCH UNLOCK SENSOR ASSEMBLY (PASSENGER SIDE) |
| D57 | 14 | DOOR MIRROR (PASSENGER SIDE) |
| D57 | 19 | DOOR MIRROR (PASSENGER SIDE) |

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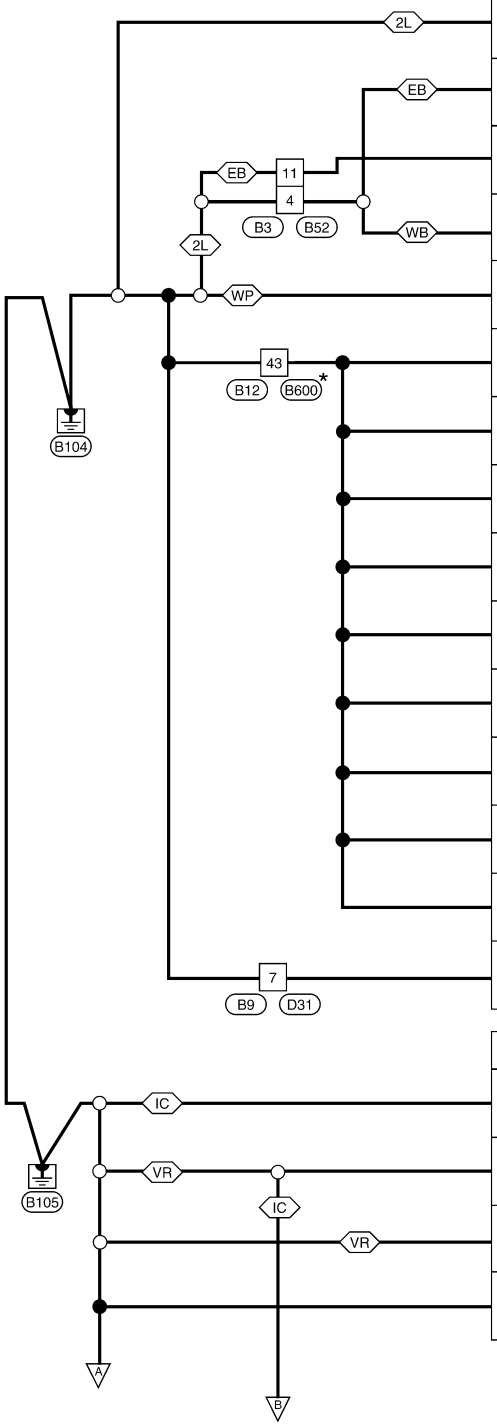
JRMWJ4942GB

# Body Harness

INFOID:0000000012791638

## BODY HARNESS

WP : With pre-crash seat belt
AV : With around view monitor
2L : 2.0L turbo gasoline engine
VR : With VR engine
IC : With ICC




| Connector No. | Terminal | Connect to |
|---|---|---|
| B4 | 2 | SEAT BELT BUCKLE SWITCH (DRIVER SIDE) |
| B49 | 3 | ACTIVE NOISE CONTROL UNIT |
| B49 | 4 | ACTIVE NOISE CONTROL UNIT |
| B55 | 58 | BOSE AMP. |
| B97 | 20 | PRE-CRASH SEAT BELT CONTROL UNIT (DRIVER SIDE) |
| B602* | 43 | DRIVER SEAT CONTROL UNIT |
| B603* | 43 | POWER SEAT SWITCH |
| B604* | 43 | SLIDING MOTOR |
| B605* | 43 | RECLINING MOTOR |
| B606* | 43 | LIFTING MOTOR (REAR) |
| B607* | 43 | LIFTING MOTOR (FRONT) |
| B608* | 43 | LUMBAR SUPPORT SWITCH |
| B610* | 43 | BACK SIDE SUPPORT ASSEMBLY |
| B611* | 43 | SIDE SUPPORT SWITCH |
| D33 | 11 | REAR POWER WINDOW SWITCH LH |

| Connector No. | Terminal | Connect to |
|---|---|---|
| B1 | 5 | ADAS CONTROL UNIT |
| B4 | 2 | SEAT BELT BUCKLE SWITCH (DRIVER SIDE) |
| B11 | 3 | FUEL PUMP CONTROL MODULE |
| B22 | 4 | REAR COMBINATION LAMP LH (BODY SIDE) |

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

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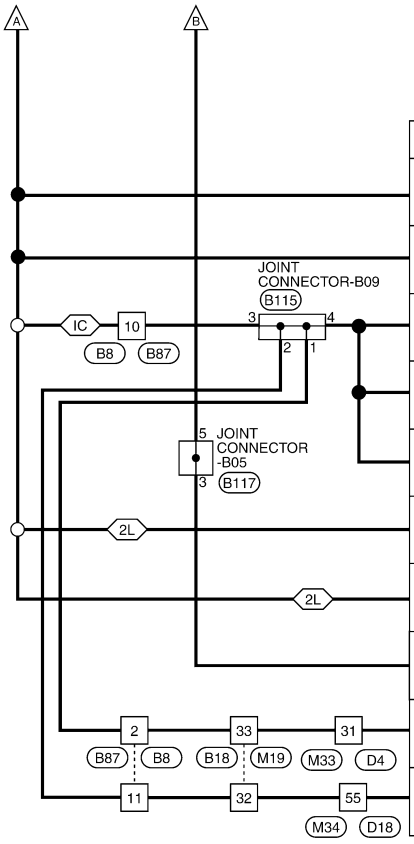
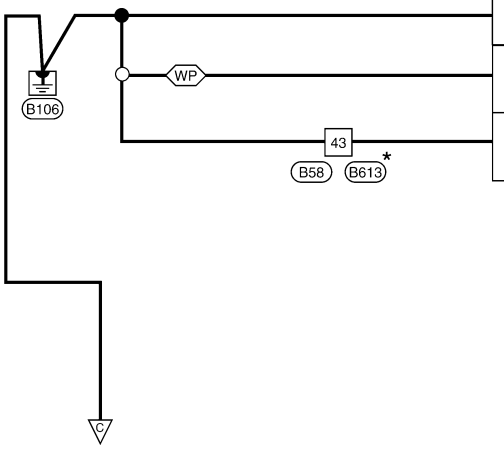



WB : With BOSE system
EB : Without BOSE system

| Connector No. | Terminal | Connect to |
|---|---|---|
| B23 | 4 | REAR COMBINATION LAMP RH (BODY SIDE) |
| B34 | 1 | HIGH-MOUNTED STOP LAMP |
| B92 | 2 | SIDE RADAR LH |
| B93 | 1 | SIDE RADAR RH |
| B93 | 2 | SIDE RADAR RH |
| B133 | 9 | FUEL PUMP CONTROL MODULE |
| B151 | 1 | IGNITION RELAY |
| B163 | 1 | SHIFT LOCK RELAY |
| D15 | 4 | BLIND SPOT WARNING/BLIND SPOT INTERVENTION INDICATOR LH |
| D27 | 4 | BLIND SPOT WARNING/BLIND SPOT INTERVENTION INDICATOR RH |




| Connector No. | Terminal | Connect to |
|---|---|---|
| B63 | 5 | OCCUPANT DETECTION SYSTEM CONTROL UNIT |
| B98 | 20 | PRE-CRASH SEAT BELT CONTROL UNIT (PASSENGER SIDE) |
| B614* | 43 | POWER SEAT SWITCH |

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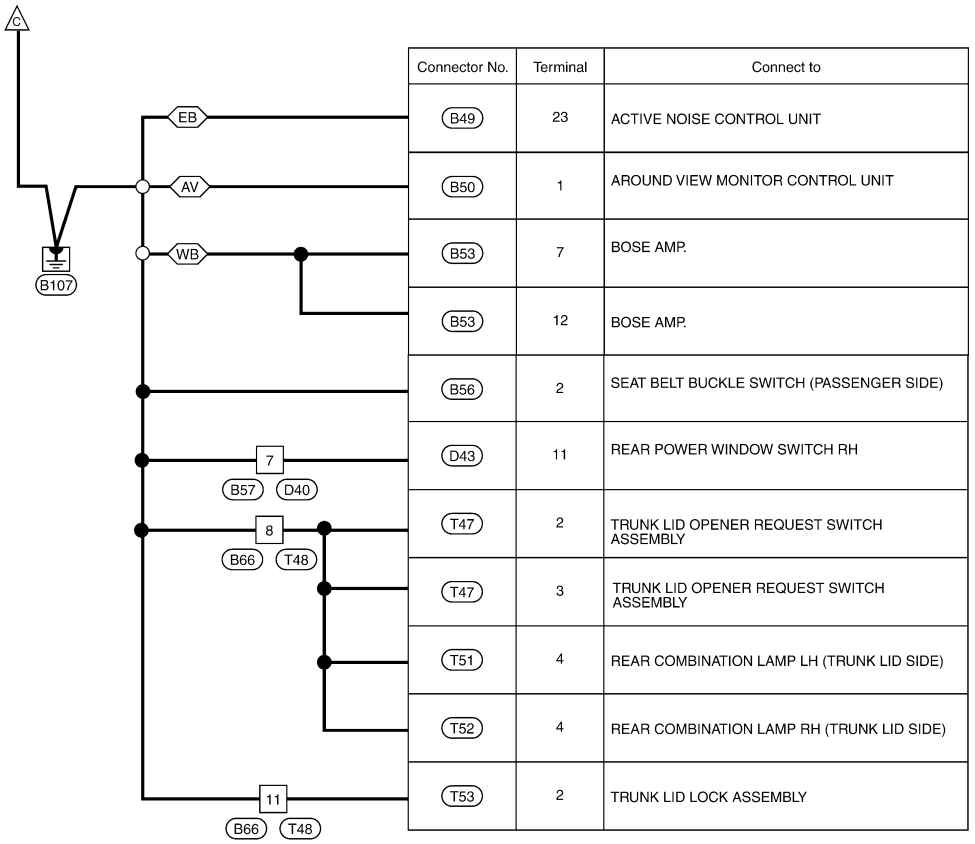
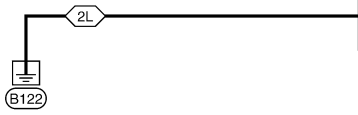



| Connector No. | Terminal | Connect to |
|---|---|---|
| B49 | 23 | ACTIVE NOISE CONTROL UNIT |
| B50 | 1 | AROUND VIEW MONITOR CONTROL UNIT |
| B53 | 7 | BOSE AMP. |
| B53 | 12 | BOSE AMP. |
| B56 | 2 | SEAT BELT BUCKLE SWITCH (PASSENGER SIDE) |
| D43 | 11 | REAR POWER WINDOW SWITCH RH |
| T47 | 2 | TRUNK LID OPENER REQUEST SWITCH ASSEMBLY |
| T47 | 3 | TRUNK LID OPENER REQUEST SWITCH ASSEMBLY |
| T51 | 4 | REAR COMBINATION LAMP LH (TRUNK LID SIDE) |
| T52 | 4 | REAR COMBINATION LAMP RH (TRUNK LID SIDE) |
| T53 | 2 | TRUNK LID LOCK ASSEMBLY |




| Connector No. | Terminal | Connect to |
|---|---|---|
| B137 | 8 | SUB ELECTRIC OIL PUMP INVERTER |


| Connector No. | Terminal | Connect to |
|---|---|---|
| B472 * | 2 | REAR WINDOW DEFOGGER |

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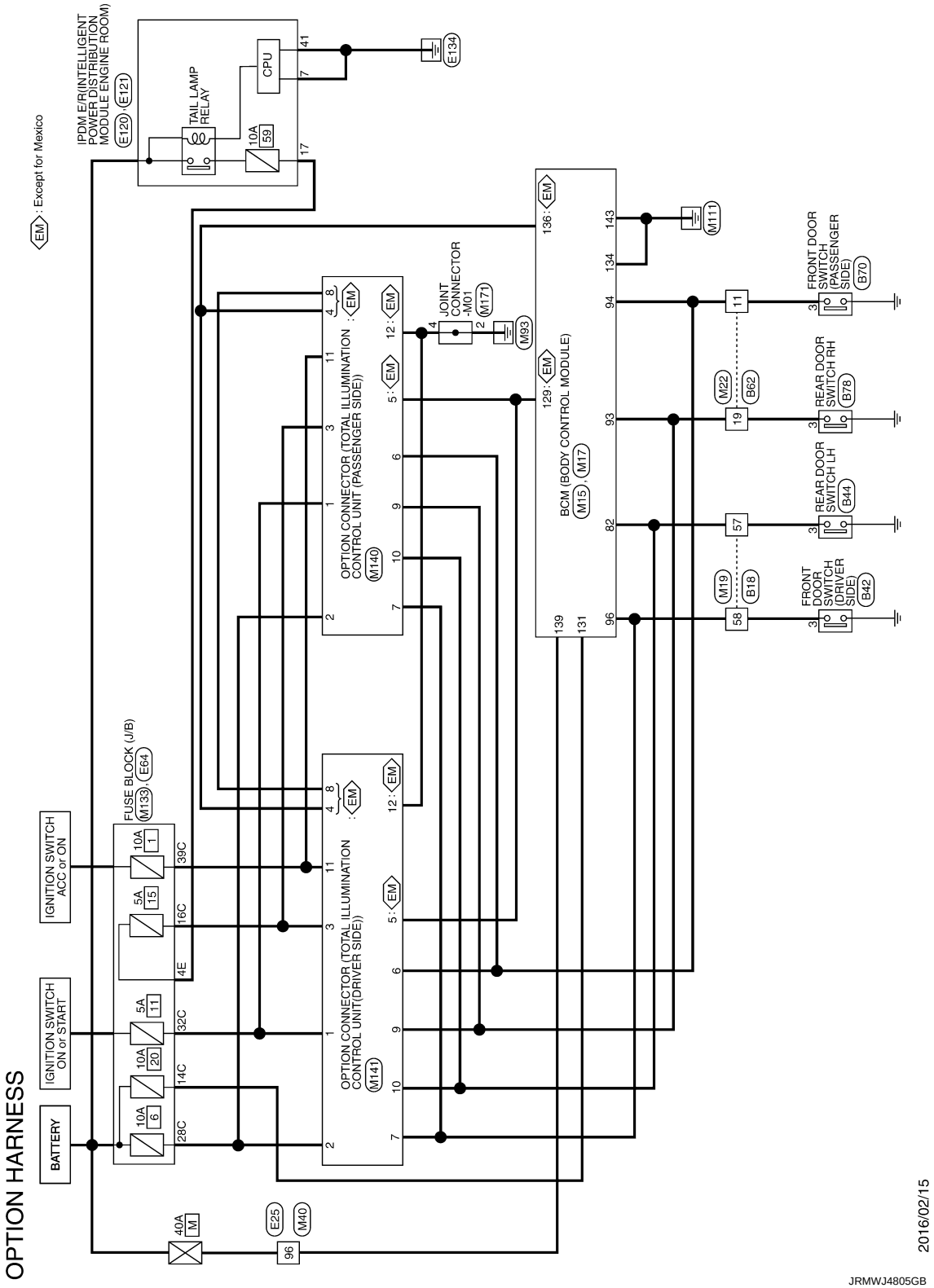
JRMWJ4951GB

# OPTION HARNESS

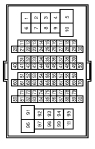
## Wiring Diagram

INFOID:0000000013359601



OPTION HARNESS

| Connector No. | B18 |
|---|---|
| Connector Name | WIRE TO WIRE |
| Connector Type | TH80FW-CS16-TM4 |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | Y | - |
| 2 | G | - |
| 3 | L | - |
| 4 | LG | - |
| 5 | Y | - |
| 6 | R | - |
| 7 | V | - |
| 8 | LG | - |
| 10 | BG | - |
| 11 | BG | - |
| 12 | LG | - |
| 13 | GR | - |
| 14 | R | - |
| 15 | L | - |
| 16 | V | - |
| 18 | W | - |
| 19 | BR | - |
| 20 | W | - |
| 22 | R | - |
| 23 | V | - |
| 24 | R | - [With 2.0L turbo gasoline engine] |
| 24 | Y | - [With VR30 engine] |
| 25 | P | - [With 2.0L turbo gasoline engine and without gateway] |
| 25 | V | - [With 2.0L turbo gasoline engine and with gateway] |
| 25 | W | - [With VR30 engine] |
| 26 | G | - |
| 27 | R | - |
| 28 | R | - |
| 31 | B | - [With VR30 engine] |
| 31 | BR | - [With 2.0L turbo gasoline engine] |
| 32 | B | - |
| 33 | B | - |
| 34 | LG | - |
| 35 | P | - |
| 36 | W | - |
| 37 | SB | - |
| 38 | LG | - |
| 40 | P | - |
| 41 | SB | - |
| 42 | BR | - |
| 43 | BG | - |
| 44 | BG | - |
| 46 | R | - |
| 50 | W | - |
| 51 | SB | - |
| 52 | V | - |
| 53 | LG | - |
| 54 | R | - |
| 55 | R | - |
| 57 | W | - |
| 58 | V | - |
| 59 | GR | - |
| 60 | G | - |
| 61 | G | - |
| 62 | BG | - |
| 63 | BR | - |
| 64 | Y | - |
| 66 | R | - |
| 70 | R | - |
| 71 | W | - |
| 72 | B | - |
| 73 | W | - |
| 74 | L | - |
| 75 | R | - [Without paddle shift] |
| 75 | V | - [With paddle shift] |
| 76 | BR | - |
| 77 | B | - |
| 78 | SB | - |
| 79 | V | - [With VR30 engine] |
| 79 | W | - [With 2.0L turbo gasoline engine] |
| 81 | B | - |
| 82 | R | - |
| 83 | BG | - |
| 84 | L | - |
| 85 | R | - [Without paddle shift] |
| 85 | V | - [With paddle shift] |
| 86 | B | - |
| 88 | G | - |
| 89 | V | - [With 2.0L turbo gasoline engine] |
| 89 | W | - [With VR30 engine] |
| 91 | GR | - |
| 94 | GR | - |
| 96 | Y | - |
| 97 | V | - |

| 98 | BR | - [With VR30 engine and with BOSE system] |
|---|---|---|
| 98 | Y | - [Except with VR30 engine and with BOSE system] |

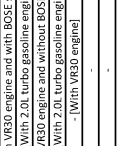
| Connector No. | B42 |
|---|---|
| Connector Name | FRONT DOOR SWITCH (DRIVER SIDE) |
| Connector Type | TH04FW-NH |

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

| Connector No. | B44 |
|---|---|
| Connector Name | REAR DOOR SWITCH LH |
| Connector Type | TH04FW-NH |

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

| Connector No. | B62 |
|---|---|
| Connector Name | WIRE TO WIRE |
| Connector Type | TH80FW-CS16-TM4 |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | BR | - [With 2.0L turbo gasoline engine and without BOSE system] |
| 1 | LG | - [With VR30 engine] |
| 1 | W | - [With 2.0L turbo gasoline engine and with BOSE system] |
| 2 | L | - [With VR30 engine] |
| 2 | SHIELD | - [With 2.0L turbo gasoline engine] |
| 3 | BR | - [With 2.0L turbo gasoline engine] |
| 3 | R | - [With VR30 engine and with BOSE system] |
| 3 | W | - [With VR30 engine and without BOSE system] |
| 4 | SHIELD | - [With VR30 engine] |
| 4 | Y | - [With 2.0L turbo gasoline engine] |
| 5 | G | - [With VR30 engine] |
| 5 | V | - [With 2.0L turbo gasoline engine] |
| 6 | BG | - [With VR30 engine] |
| 6 | BR | - [With 2.0L turbo gasoline engine] |
| 7 | B | - [With 2.0L turbo gasoline engine and with BOSE system] |
| 7 | BR | - [With VR30 engine and without BOSE system] |
| 7 | W | - [With VR30 engine and with BOSE system] |
| 7 | Y | - [With 2.0L turbo gasoline engine and without BOSE system] |
| 8 | B | - [With VR30 engine and with BOSE system] |
| 8 | G | - [With 2.0L turbo gasoline engine] |
| 8 | Y | - [With VR30 engine and without BOSE system] |
| 9 | LG | - [With 2.0L turbo gasoline engine] |
| 9 | SHIELD | - [With VR30 engine] |
| 10 | V | - |
| 11 | GR | - |
| 12 | Y | - |
| 13 | R | - |
| 14 | BG | - |
| 15 | BG | - [With 2.0L turbo gasoline engine] |
| 15 | GR | - [With VR30 engine] |
| 16 | V | - |
| 17 | P | - |
| 18 | L | - |
| 19 | R | - |
| 20 | GR | - |

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OPTION HARNESS

| | | |
|---|---|---|
| 21 | R | - |
| 22 | V | - |
| 23 | W | - |
| 24 | BG | - [With 2.0L turbo gasoline engine] |
| 24 | V | - [With VR30 engine] |
| 25 | L | - [With 2.0L turbo gasoline engine] |
| 25 | SB | - [With VR30 engine] |
| 26 | G | - [With VR30 engine] |
| 26 | W | - [With 2.0L turbo gasoline engine] |
| 27 | R | - |
| 29 | LG | - |
| 30 | LG | - [With 2.0L turbo gasoline engine] |
| 30 | P | - [With VR30 engine] |
| 31 | SHIELD | - |
| 32 | L | - |
| 33 | B | - [With VR30 engine] |
| 33 | LG | - [With 2.0L turbo gasoline engine] |
| 34 | SHIELD | - |
| 35 | LG | - [With VR30 engine] |
| 35 | W | - [With 2.0L turbo gasoline engine] |
| 36 | R | - [With VR30 engine] |
| 36 | W | - [With 2.0L turbo gasoline engine] |
| 37 | P | - [With 2.0L turbo gasoline engine and without BOSE system] |
| 37 | R | - [With VR30 engine] |
| 37 | W | - [With 2.0L turbo gasoline engine and with BOSE system] |
| 38 | W | - |
| 39 | P | - [With VR30 engine and without BOSE system] |
| 39 | R | - [With 2.0L turbo gasoline engine] |
| 39 | W | - [With VR30 engine and with BOSE system] |
| 40 | G | - |
| 41 | L | - |
| 42 | R | - |
| 43 | SHIELD | - |
| 44 | P | - |
| 45 | B | - [With 2.0L turbo gasoline engine] |
| 45 | G | - [With VR30 engine] |
| 46 | SHIELD | - |
| 47 | G | - |
| 48 | BG | - |
| 49 | G | - |
| 50 | V | - |
| 51 | GR | - |
| 52 | W | - [With 2.0L turbo gasoline engine] |
| 52 | Y | - [With VR30 engine] |
| 53 | R | - |
| 54 | GR | - |
| 55 | L | - |
| 56 | V | - |
| 57 | R | - |
| 58 | LG | - |

| | | |
|---|---|---|
| 59 | P | - |
| 61 | L | - |
| 62 | P | - [With VR30 engine] |
| 62 | V | - [With 2.0L turbo gasoline engine] |
| 63 | L | - |
| 64 | W | - |
| 66 | LG | - |
| 68 | L | - |
| 69 | P | - |
| 71 | GR | - [With 2.0L turbo gasoline engine] |
| 71 | R | - [With VR30 engine] |
| 72 | G | - [With VR30 engine] |
| 72 | Y | - [With 2.0L turbo gasoline engine] |
| 73 | R | - [With 2.0L turbo gasoline engine] |
| 73 | SHIELD | - [With VR30 engine] |
| 74 | BG | - [With 2.0L turbo gasoline engine] |
| 74 | L | - [With VR30 engine] |
| 75 | GR | - [With 2.0L turbo gasoline engine] |
| 75 | V | - [With VR30 engine] |
| 76 | GR | - [With VR30 engine] |
| 76 | V | - [With 2.0L turbo gasoline engine] |
| 77 | P | - |
| 78 | L | - |
| 79 | R | - |
| 80 | GR | - [With 2.0L turbo gasoline engine] |
| 80 | W | - [With VR30 engine] |
| 81 | B | - [With VR30 engine] |
| 81 | R | - [With 2.0L turbo gasoline engine] |
| 82 | G | - [With 2.0L turbo gasoline engine] |
| 82 | SHIELD | - [With VR30 engine] |
| 83 | R | - [With 2.0L turbo gasoline engine] |
| 83 | W | - [With VR30 engine] |
| 84 | BR | - [With VR30 engine] |
| 84 | SHIELD | - [With 2.0L turbo gasoline engine] |
| 85 | BG | - [With VR30 engine] |
| 85 | G | - [With 2.0L turbo gasoline engine] |
| 86 | R | - [With 2.0L turbo gasoline engine] |
| 86 | W | - [With VR30 engine] |
| 87 | LG | - [With VR30 engine] |
| 87 | SHIELD | - [With 2.0L turbo gasoline engine] |
| 89 | LG | - |
| 90 | P | - [With 2.0L turbo gasoline engine] |
| 90 | V | - [With VR30 engine] |
| 92 | L | - [With 2.0L turbo gasoline engine] |
| 92 | W | - [With VR30 engine] |
| 93 | R | - [With VR30 engine] |
| 93 | SHIELD | - [With 2.0L turbo gasoline engine] |
| 94 | R | - |
| 95 | L | - [With 2.0L turbo gasoline engine] |
| 95 | Y | - [With VR30 engine] |

| | | |
|---|---|---|
| 96 | R | - [With 2.0L turbo gasoline engine] |
| 96 | W | - [With VR30 engine] |
| 97 | L | - [With VR30 engine] |
| 97 | R | [With 2.0L turbo gasoline engine and with BOSE system] |
| 97 | W | - [With 2.0L turbo gasoline engine and without BOSE system] |
| 98 | LG | - |
| 99 | BR | - [With VR30 engine and with BOSE system] |
| 99 | P | - [With 2.0L turbo gasoline engine] |
| 99 | Y | - [With VR30 engine and without BOSE system] |
| 100 | BR | - [With VR30 engine] |
| 100 | W | - [With 2.0L turbo gasoline engine] |

| Connector No. | B70 |
|---|---|
| Connector Name | FRONT DOOR SWITCH (PASSENGER SIDE) |
| Connector Type | TH04FW-NH |

H.S.



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

| Connector No. | B78 |
|---|---|
| Connector Name | REAR DOOR SWITCH RH |
| Connector Type | TH04FW-NH |

H.S.



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

| Connector No. | E25 |
|---|---|
| Connector Name | WIRE TO WIRE |
| Connector Type | TH80FW-CS16-TM4 |

H.S.



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | BG | - |
| 6 | V | - |
| 7 | L | - [With VR30 engine] |
| 8 | BG | - [With 2.0L turbo gasoline engine] |
| 8 | BR | - [With VR30 engine] |
| 9 | B | - [With 2.0L turbo gasoline engine] |
| 9 | GR | - [With VR30 engine] (Color of wire differs depending on production) |
| 9 | LG | - [With 2.0L turbo gasoline engine] (Color of wire differs depending on production) |
| 10 | BR | - |
| 11 | L | - |
| 12 | GR | - [With VR30 engine] |
| 12 | P | - [With 2.0L turbo gasoline engine] |
| 13 | SHIELD | - [With 2.0L turbo gasoline engine] |
| 13 | W | - [With VR30 engine] |
| 14 | B | - |
| 15 | GR | - [With 2.0L turbo gasoline engine] |
| 15 | SB | - [With VR30 engine] |
| 16 | BR | - [With 2.0L turbo gasoline engine] |
| 16 | Y | - [With VR30 engine] |
| 17 | BR | - [With VR30 engine] |
| 17 | GR | - [With 2.0L turbo gasoline engine] |
| 18 | G | - [With 2.0L turbo gasoline engine] |
| 18 | P | - [With VR30 engine] |
| 19 | Y | - |
| 31 | W | - [With 2.0L turbo gasoline engine] |
| 31 | Y | - [With VR30 engine] |
| 32 | G | - [With 2.0L turbo gasoline engine] |
| 32 | GR | - [With VR30 engine] |
| 33 | L | - [With VR30 engine] |
| 33 | Y | - [With 2.0L turbo gasoline engine] |
| 34 | P | - |
| 35 | GR | - |
| 36 | R | - |
| 37 | L | - [With 2.0L turbo gasoline engine] |
| 37 | V | - [With VR30 engine] |
| 38 | L | - [With VR30 engine] |

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OPTION HARNESS

| | | |
|---|---|---|
| 38 | P | - [With 2.0L turbo gasoline engine and without gateway] |
| 38 | R | - [With 2.0L turbo gasoline engine and with gateway] |
| 39 | BR | - [With 2.0L turbo gasoline engine] |
| 39 | Y | - [With VR30 engine] |
| 40 | SB | - |
| 41 | LG | - |
| 44 | Y | - |
| 45 | L | - [With 2.0L turbo gasoline engine] |
| 45 | W | - [With VR30 engine] |
| 46 | B | - [With VR30 engine] |
| 46 | Y | - [With 2.0L turbo gasoline engine] |
| 47 | G | - |
| 48 | SHIELD | - |
| 49 | R | - |
| 50 | BR | - [With VR30 engine] |
| 50 | GR | - [With 2.0L turbo gasoline engine] |
| 51 | L | - |
| 52 | V | - |
| 53 | V | - |
| 54 | P | - [With VR30 engine] |
| 54 | W | - [With 2.0L turbo gasoline engine] |
| 55 | B | - [With 2.0L turbo gasoline engine] |
| 55 | W | - [With VR30 engine] |
| 56 | BG | - [With 2.0L turbo gasoline engine] |
| 56 | SB | - [With VR30 engine] |
| 57 | BG | - [With VR30 engine] |
| 57 | W | - [With 2.0L turbo gasoline engine] |
| 58 | B | - [Color of wire differs depending on production] |
| 58 | B/W | - [Color of wire differs depending on production] |
| 59 | W | - |
| 61 | R | - |
| 64 | Y | - |
| 65 | BR | - [Color of wire differs depending on production] |
| 65 | GR | - [Color of wire differs depending on production] |
| 66 | GR | - |
| 67 | LG | - |
| 68 | BG | - |
| 69 | L | - |
| 70 | R | - |
| 71 | G | - [With 2.0L turbo gasoline engine] |
| 71 | LG | - [With VR30 engine] |
| 72 | L | - [With 2.0L turbo gasoline engine] |
| 72 | V | - [With VR30 engine] |
| 73 | G | - [With VR30 engine] |
| 73 | W | - [With 2.0L turbo gasoline engine] |
| 74 | BR | - [With VR30 engine] |
| 74 | L | - [With 2.0L turbo gasoline engine] |
| 75 | P | [With 2.0L turbo gasoline engine and without gateway] |
| 75 | R | - [With 2.0L turbo gasoline engine and with gateway] |
| 75 | V | - [With VR30 engine] |
| 76 | G | - |
| 77 | Y | - |
| 78 | LG | - [With 2.0L turbo gasoline engine and with ADAS] |
| 78 | P | - [With VR30 engine] |
| 78 | V | - [With 2.0L turbo gasoline engine and without ADAS] |
| 79 | SB | - |
| 80 | G | - |
| 81 | R | - |
| 82 | V | - |
| 83 | BR | - [With 2.0L turbo gasoline engine] |
| 83 | R | - [With VR30 engine] |
| 84 | LG | - |
| 86 | BG | - |
| 87 | G | - |
| 89 | LG | - |
| 90 | G | - [With VR30 engine] |
| 90 | GR | - [With 2.0L turbo gasoline engine] |
| 91 | G | - |
| 93 | BG | - |
| 94 | GR | - [With VR30 engine] |
| 94 | L | - [With 2.0L turbo gasoline engine] |
| 95 | BG | - [With VR30 engine] |
| 95 | P | - [With 2.0L turbo gasoline engine and without gateway] |
| 95 | R | - [With 2.0L turbo gasoline engine and with gateway] |
| 96 | W | - |
| 97 | LG | - |
| 98 | L | - |
| 99 | LG | - [With 2.0L turbo gasoline engine] |
| 99 | P | - [With VR30 engine] |
| 100 | SHIELD | - |

| | |
|---|---|
| Connector No. | E64 |
| Connector Name | FUSE BLOCK (J/B) |
| Connector Type | NS08FW-CS |

H.S.




| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1E | G | - |
| 2E | P | - |
| 3E | V | - |
| 4E | GR | - |

| | |
|---|---|
| 6E | L |
| 7E | BG |

| Connector No. | E120 |
|---|---|
| Connector Name | IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) |
| Connector Type | NS12FW-CS |

H.S.




| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 7 | B/W | - |
| 9 | P | - |
| 10 | LG | - |
| 11 | V | - |
| 13 | BG | - |
| 14 | SB | - |
| 15 | BR | - |
| 17 | GR | - |
| 18 | L | - |

| Connector No. | E121 |
|---|---|
| Connector Name | IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) |
| Connector Type | TH32FW-NH |

H.S.




| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 19 | L | - [With 2.0L turbo gasoline engine] |
| 19 | P | - [With VR30 engine] |
| 22 | BG | - |
| 23 | GR | - [With VR30 engine] |
| 23 | LG | [With 2.0L turbo gasoline engine and without Anti theft diode] |
| 23 | P | - [With 2.0L turbo gasoline engine and with Anti theft diode] |
| 27 | GR | - |

| | |
|---|---|
| 28 | P |
| 29 | L |
| 31 | G |
| 32 | SB |
| 33 | SB |
| 34 | Y |
| 35 | G |
| 36 | SB |
| 36 | W |
| 37 | GR |
| 38 | BR |
| 41 | GR |
| 43 | V |

| Connector No. | M15 |
|---|---|
| Connector Name | BCM (BODY CONTROL MODULE) |
| Connector Type | TH24FGY-NH |

H.S.




| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 82 | W | REAR LH DOOR SW |
| 83 | L | TR LID OPEN REQ SW |
| 85 | P | TR ROOM LAMP CONT |
| 91 | GR | TRUNK LID OPEN |
| 92 | W | TURN SIG RH OUTPUT [SIDE,REAR] |
| 93 | G | REAR RH DOOR SW |
| 94 | GR | PASSENGER DOOR SW |
| 96 | V | DRIVER DOOR SW |
| 97 | R | TR ROOM LAMP SW |
| 99 | GR | INSIDE KEY ANT (TRUNK) - |
| 100 | W | INSIDE KEY ANT (TRUNK) + |
| 101 | BG | REAR BMPR ANT - |
| 102 | LG | REAR BMPR ANT + |
| 103 | Y | TURN SIG LH OUTPUT [SIDE,REAR] |

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| Connector No. | M17 |
|---|---|
| Connector Name | BCM (BODY CONTROL MODULE) |
| Connector Type | FEA05FW-FHA6-SA |




| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 129 | LG | INT ROOM LAMP PWR SPLY |
| 130 | P | PASS DOOR UNLK OUTPUT |
| 131 | Y | BAT (FUSE) |
| 132 | V | RR, RL DOOR LK OUTPUT |
| 133 | BR | RR, RL DOOR UNLK OUTPUT |
| 134 | B | GND |
| 135 | V | FRONT DOOR, FL LID LK OUTPUT |
| 136 | V | INT ROOM LAMP CONT |
| 137 | LG | FRONT DOOR, FL LID UNLK OUTPUT |
| 138 | P | REAR DOORS ACT PWR SPLY [With VR30 engine] |
| 138 | R | REAR DOORS ACT PWR SPLY [With 2.0L turbo gasoline engine] |
| 139 | W | BAT (F/L) |
| 140 | BR | IGN ON |
| 141 | R | PWR SPLY (BAT) |
| 142 | R | FRONT DOORS, FL LID ACT PWR SPLY |
| 143 | B | GND |

| Connector No. | M19 |
|---|---|
| Connector Name | WIRE TO WIRE |
| Connector Type | TH80MW-CS16-TM4 |




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

| 5 | Y | - |
|---|---|---|
| 6 | R | - |
| 7 | W | - |
| 8 | V | - |
| 10 | BG | - |
| 11 | BR | - |
| 12 | LG | - |
| 13 | GR | - |
| 14 | R | - |
| 15 | L | - |
| 16 | V | - |
| 18 | W | - |
| 19 | BR | - |
| 20 | W | - |
| 22 | SB | - |
| 23 | R | - |
| 24 | R | - [With 2.0L turbo gasoline engine] |
| 24 | Y | - [With VR30 engine] |
| 25 | P | - [With 2.0L turbo gasoline engine] |
| 25 | W | - [With VR30 engine] |
| 26 | G | - |
| 27 | R | - |
| 28 | R | - |
| 31 | BR | - |
| 32 | B | - |
| 33 | B | - |
| 34 | V | - |
| 35 | P | - |
| 36 | W | - |
| 37 | SB | - |
| 38 | LG | - |
| 40 | P | - |
| 41 | G | - |
| 42 | BR | - |
| 43 | BR | - |
| 44 | BR | - |
| 46 | BG | - |
| 50 | W | - |
| 51 | Y | - |
| 52 | V | - |
| 53 | LG | - |
| 54 | R | - |
| 55 | R | - |
| 57 | W | - |
| 58 | V | - |
| 59 | BG | - |
| 60 | G | - |
| 61 | G | - |
| 62 | BG | - |
| 63 | BR | - |

| 64 | Y | - |
|---|---|---|
| 66 | R | - |
| 70 | LG | - |
| 71 | W | - |
| 72 | B | - |
| 73 | W | - |
| 74 | L | - |
| 75 | W | - |
| 76 | BR | - |
| 77 | B | - |
| 78 | SB | - |
| 79 | P | - [With VR30 engine] |
| 79 | W | - [With 2.0L turbo gasoline engine] |
| 81 | B | - |
| 82 | R | - |
| 83 | BG | - |
| 84 | L | - |
| 85 | W | - |
| 86 | B | - |
| 88 | G | - |
| 89 | V | - [With 2.0L turbo gasoline engine] |
| 89 | W | - [With VR30 engine] |
| 91 | GR | - |
| 94 | GR | - |
| 96 | W | - |
| 97 | V | - |
| 98 | BR | - [With VR30 engine and with BOSE system] |
| 98 | Y | - [Except with VR30 engine and with BOSE system] |

| Connector No. | M22 |
|---|---|
| Connector Name | WIRE TO WIRE |
| Connector Type | TH80MW-CS16-TM4 |




| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | LG | - |
| 2 | L | - [With VR30 engine] |
| 2 | SHIELD | - [With 2.0L turbo gasoline engine] |
| 3 | BR | - [With 2.0L turbo gasoline engine] |
| 3 | R | - [With VR30 engine] |
| 4 | SHIELD | - [With VR30 engine] |

| 4 | Y | - [With 2.0L turbo gasoline engine] |
|---|---|---|
| 5 | G | - [With VR30 engine] |
| 5 | V | - [With 2.0L turbo gasoline engine] |
| 6 | BG | - [With VR30 engine] |
| 6 | BR | - [With 2.0L turbo gasoline engine] |
| 7 | LG | - [With VR30 engine] |
| 7 | P | - [With 2.0L turbo gasoline engine] |
| 8 | G | - [With 2.0L turbo gasoline engine] |
| 8 | P | - [With VR30 engine] |
| 9 | LG | - [With 2.0L turbo gasoline engine] |
| 9 | SHIELD | - [With VR30 engine] |
| 10 | V | - |
| 11 | GR | - |
| 12 | V | - |
| 13 | LG | - |
| 14 | LG | - |
| 15 | BR | - [With 2.0L turbo gasoline engine] |
| 15 | P | - [With VR30 engine] |
| 16 | SB | - [With DCM] |
| 16 | V | - [Without DCM] |
| 17 | Y | - |
| 18 | L | - |
| 19 | G | - |
| 20 | GR | - |
| 21 | R | - |
| 22 | V | - |
| 23 | L | - |
| 24 | BG | - [With 2.0L turbo gasoline engine] |
| 24 | V | - [With VR30 engine] |
| 25 | L | - [With 2.0L turbo gasoline engine] |
| 25 | SB | - [With VR30 engine] |
| 26 | G | - [With VR30 engine] |
| 26 | W | - [With 2.0L turbo gasoline engine] |
| 27 | R | - |
| 29 | LG | - |
| 30 | SB | - [With VR30 engine] |
| 30 | W | - [With 2.0L turbo gasoline engine] |
| 31 | SHIELD | - |
| 32 | L | - |
| 33 | B | - [With VR30 engine] |
| 33 | LG | - [With 2.0L turbo gasoline engine] |
| 34 | SHIELD | - |
| 35 | LG | - [With VR30 engine] |
| 35 | W | - [With 2.0L turbo gasoline engine] |
| 36 | R | - [With VR30 engine] |
| 36 | V | - [With 2.0L turbo gasoline engine] |
| 37 | R | - [With VR30 engine] |
| 37 | V | - [With 2.0L turbo gasoline engine] |
| 38 | W | - |
| 39 | P | - [With VR30 engine and without BOSE system] |

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OPTION HARNESS

| | | |
|---|---|---|
| 39 | R | - [With 2.0L turbo gasoline engine] |
| 39 | V | - [With VR30 engine and with BOSE system] |
| 40 | G | - |
| 41 | L | - |
| 42 | R | - |
| 43 | SHIELD | - |
| 44 | P | - |
| 45 | B | - [With 2.0L turbo gasoline engine] |
| 45 | G | - [With VR30 engine] |
| 46 | SHIELD | - |
| 47 | G | - |
| 48 | BG | - [Except with VR30 engine and with BOSE system] |
| 48 | BR | - [With VR30 engine and with BOSE system] |
| 49 | G | - |
| 50 | V | - |
| 51 | V | - |
| 52 | L | - [With 2.0L turbo gasoline engine] |
| 52 | Y | - [With VR30 engine] |
| 53 | R | - |
| 54 | GR | - |
| 55 | L | - |
| 56 | P | - |
| 57 | R | - |
| 58 | LG | - |
| 59 | SB | - |
| 61 | L | - |
| 62 | P | - [With 2.0L turbo gasoline engine] |
| 62 | V | - [With VR30 engine] |
| 63 | L | - |
| 64 | W | - |
| 66 | R | - |
| 68 | L | - |
| 69 | P | - |
| 71 | GR | - [With 2.0L turbo gasoline engine] |
| 71 | R | - [With VR30 engine] |
| 72 | G | - [With VR30 engine] |
| 72 | V | - [With 2.0L turbo gasoline engine] |
| 73 | LG | - [With 2.0L turbo gasoline engine] |
| 73 | SHIELD | - [With VR30 engine] |
| 74 | L | - [With VR30 engine] |
| 74 | LG | - [With 2.0L turbo gasoline engine] |
| 75 | P | - |
| 76 | SB | - [With 2.0L turbo gasoline engine] |
| 76 | V | - [With VR30 engine] |
| 77 | Y | - |
| 78 | L | - |
| 79 | G | - |
| 80 | GR | - [With 2.0L turbo gasoline engine] |
| 80 | W | - [With VR30 engine] |
| 81 | B | - [With VR30 engine] |
| 81 | R | - [With 2.0L turbo gasoline engine] |
| 82 | G | - [With 2.0L turbo gasoline engine] |
| 82 | SHIELD | - [With VR30 engine] |
| 83 | R | - [With 2.0L turbo gasoline engine] |
| 83 | W | - [With VR30 engine] |
| 84 | BR | - [With VR30 engine] |
| 84 | SHIELD | - [With 2.0L turbo gasoline engine] |
| 85 | BR | - [With VR30 engine] |
| 85 | G | - [With 2.0L turbo gasoline engine] |
| 86 | R | - [With 2.0L turbo gasoline engine] |
| 86 | V | - [With VR30 engine] |
| 87 | LG | - [With VR30 engine] |
| 87 | SHIELD | - [With 2.0L turbo gasoline engine] |
| 89 | BR | - [With VR30 engine] |
| 89 | LG | - [With 2.0L turbo gasoline engine] |
| 90 | SB | - [With 2.0L turbo gasoline engine] |
| 90 | V | - [With VR30 engine] |
| 92 | L | - [With 2.0L turbo gasoline engine] |
| 92 | W | - [With VR30 engine] |
| 93 | R | - [With VR30 engine] |
| 93 | SHIELD | - [With 2.0L turbo gasoline engine] |
| 94 | R | - |
| 95 | L | - [With 2.0L turbo gasoline engine] |
| 95 | Y | - [With VR30 engine] |
| 96 | R | - [With 2.0L turbo gasoline engine] |
| 96 | W | - [With VR30 engine] |
| 97 | L | - [With VR30 engine] |
| 97 | R | - [With 2.0L turbo gasoline engine] |
| 98 | BR | - |
| 99 | BR | - [With VR30 engine and with BOSE system] |
| 99 | P | - [With 2.0L turbo gasoline engine] |
| 99 | Y | - [With VR30 engine and without BOSE system] |
| 100 | BR | - [With VR30 engine] |
| 100 | W | - [With 2.0L turbo gasoline engine] |

| | |
|---|---|
| Connector No. | M40 |
| Connector Name | WIRE TO WIRE |
| Connector Type | TH80MW-CS16-TM4 |

H.S.



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | BG | - |
| 6 | W/B | - |
| 7 | V | - |
| 8 | BG | - [With VR30 engine] |
| 8 | BR | - [With 2.0L turbo gasoline engine] |
| 9 | LG | - [With VR30 engine] |
| 9 | P | - [With 2.0L turbo gasoline engine] |
| 10 | W | - |
| 11 | W | - [With VR30 engine] |
| 11 | Y | - [With 2.0L turbo gasoline engine] |
| 12 | B | - [With VR30 engine] |
| 12 | BR | - [With 2.0L turbo gasoline engine] |
| 13 | GR | - [With VR30 engine] |
| 13 | SHIELD | - [With 2.0L turbo gasoline engine] |
| 14 | B | - |
| 15 | BG | - [With 2.0L turbo gasoline engine] |
| 15 | SB | - [With VR30 engine] |
| 16 | B | - [With VR30 engine] |
| 16 | BR | - [With 2.0L turbo gasoline engine] |
| 17 | LG | - |
| 18 | B | - [With VR30 engine] |
| 18 | W/B | - [With 2.0L turbo gasoline engine] |
| 19 | Y | - |
| 31 | W | - |
| 32 | G | - [With 2.0L turbo gasoline engine] |
| 32 | V | - [With VR30 engine] |
| 33 | L | - [With VR30 engine] |
| 33 | Y | - [With 2.0L turbo gasoline engine] |
| 34 | P | - |
| 35 | BG | - |
| 36 | G | - |
| 37 | B | - [With VR30 engine] |
| 37 | L | - [With 2.0L turbo gasoline engine] |
| 38 | L | - [With VR30 engine] |
| 38 | P | - [With 2.0L turbo gasoline engine and without gateway] |
| 38 | R | - [With 2.0L turbo gasoline engine and with gateway] |

| | | |
|---|---|---|
| 39 | R | - [With 2.0L turbo gasoline engine] |
| 39 | Y | - [With VR30 engine] |
| 40 | GR | - |
| 41 | L | - |
| 44 | BR | - |
| 45 | L | - [With 2.0L turbo gasoline engine] |
| 45 | W | - [With VR30 engine] |
| 46 | G | - [With VR30 engine] |
| 46 | Y | - [With 2.0L turbo gasoline engine] |
| 47 | BG | - [With 2.0L turbo gasoline engine] |
| 47 | R | - [With VR30 engine] |
| 48 | SHIELD | - |
| 49 | B | - [With VR30 engine] |
| 49 | G | - [With 2.0L turbo gasoline engine] |
| 50 | B | - [With 2.0L turbo gasoline engine] |
| 50 | BR | - [With VR30 engine] |
| 51 | L | - |
| 52 | W | - |
| 53 | G | - [With 2.0L turbo gasoline engine] |
| 54 | SB | - [With VR30 engine] |
| 54 | Y | - [With 2.0L turbo gasoline engine] |
| 55 | B | - [With VR30 engine] |
| 55 | P | - [With 2.0L turbo gasoline engine] |
| 56 | BG | - [With VR30 engine] |
| 56 | GR | - [With 2.0L turbo gasoline engine] |
| 57 | GR | - [With VR30 engine] |
| 57 | P | - [With 2.0L turbo gasoline engine] |
| 58 | B | - |
| 59 | SB | - |
| 61 | W/B | - |
| 64 | Y | - |
| 65 | R | - |
| 66 | P | - [Color of wire differs depending on production] |
| 66 | V | - [Color of wire differs depending on production] |
| 67 | LG | - |
| 68 | BG | - |
| 69 | L | - |
| 70 | R | - |
| 71 | V | - [With VR30 engine] |
| 71 | W | - [With 2.0L turbo gasoline engine] |
| 72 | L | - [With 2.0L turbo gasoline engine] |
| 72 | LG | - [With VR30 engine] |
| 73 | R | - [With VR30 engine] |
| 73 | W | - [With 2.0L turbo gasoline engine] |
| 74 | BR | - [With VR30 engine] |
| 74 | L | - [With 2.0L turbo gasoline engine] |
| 75 | B | - [With VR30 engine] |
| 75 | P | - [With 2.0L turbo gasoline engine and without gateway] |
| 75 | R | - [With 2.0L turbo gasoline engine and with gateway] |
| 76 | W/B | - |

JRMWJ4810GB

OPTION HARNESS

| | | |
|---|---|---|
| 77 | SB | - |
| 78 | G | - [With VR30 engine] |
| 78 | LG | - [With 2.0L turbo gasoline engine] |
| 79 | R | - |
| 80 | G | - |
| 81 | R | - |
| 82 | LG | - |
| 83 | BR | - [With 2.0L turbo gasoline engine] |
| 83 | R | - [With VR30 engine] |
| 84 | V | - |
| 86 | V | - |
| 87 | G | - |
| 89 | V | - |
| 90 | G | - [With VR30 engine] |
| 90 | V | - [With 2.0L turbo gasoline engine] |
| 91 | W | - |
| 92 | G | - |
| 93 | BR | - |
| 94 | GR | - [With VR30 engine] |
| 94 | L | - [With 2.0L turbo gasoline engine] |
| 95 | BR | - [With VR30 engine] |
| 95 | P | - [With 2.0L turbo gasoline engine and without gateway] |
| 95 | R | - [With 2.0L turbo gasoline engine and with gateway] |
| 96 | W | - |
| 97 | LG | - |
| 98 | Y | - |
| 99 | BR | - [With VR30 engine] |
| 99 | LG | - [With 2.0L turbo gasoline engine] |
| 100 | SHIELD | - |

| | |
|---|---|
| Connector No. | M133 |
| Connector Name | FUSE BLOCK (J/B) |
| Connector Type | TH40FW-NH |

H.S.

| | | |
|---|---|---|
| 16C | R | - |
| 17C | L | - |
| 18C | BG | - [Without DRPD] |
| 18C | P | - [With DRPD] |
| 19C | B | - |
| 1C | R | - |
| 20C | W | - |
| 21C | L | - |
| 22C | L | - |
| 23C | LG | - |
| 25C | SB | - |
| 26C | P | - |
| 27C | W | - |
| 28C | W | - |
| 29C | R | - |
| 2C | R | - |
| 30C | W | - |
| 31C | R | - |
| 32C | B | - [With VR30 engine] |
| 33C | R | - [With 2.0L turbo gasoline engine] |
| 34C | W/B | - |
| 35C | SB | - |
| 36C | R | - |
| 37C | W | - |
| 38C | SB | - |
| 39C | V | - |
| 3C | P | - |
| 40C | G | - |
| 4C | P | - |
| 5C | P | - |
| 6C | G | - |
| 7C | G | - |
| 8C | G | - |
| 9C | V | - |

| | |
|---|---|
| Connector No. | M140 |
| Connector Name | OPTION CONNECTOR (TOTAL ILLUMINATION CONTROL UNIT (PASSENGER SIDE)) |
| Connector Type | TH12MW-NH |

H.S.

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | R | IGN |
| 2 | W | BAT |
| 3 | R | TAIL_LAMP |
| 4 | V | ROOM_LAMP_OUTPUT |
| 5 | LG | BATTERY_SAVER_OUTPUT |
| 6 | GR | FR_DOOR_SW_RH |
| 7 | V | FR_DOOR_SW_LH |
| 8 | V | THRU_SIGNAL_1 |
| 9 | G | RR_DOOR_RH |
| 10 | W | RR_DOOR_LH |
| 11 | SB | ACC [With 2.0L turbo gasoline engine] |
| 11 | V | ACC [With VR30 engine] |
| 12 | B | GND |

| | |
|---|---|
| Connector No. | M141 |
| Connector Name | OPTION CONNECTOR (TOTAL ILLUMINATION CONTROL UNIT(DRIVER SIDE)) |
| Connector Type | TH12MW-NH |

H.S.

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | R | IGN |
| 2 | W | BAT |
| 3 | R | TAIL_LAMP |
| 4 | V | ROOM_LAMP_OUTPUT |
| 5 | LG | BATTERY_SAVER_OUTPUT |
| 6 | GR | FR_DOOR_SW_RH |
| 7 | V | FR_DOOR_SW_LH |
| 8 | V | THRU_SIGNAL_1 |
| 9 | G | RR_DOOR_RH |
| 10 | W | RR_DOOR_LH |
| 11 | SB | ACC [With 2.0L turbo gasoline engine] |
| 11 | V | ACC [With VR30 engine] |
| 12 | B | GND |

| | |
|---|---|
| Connector No. | M171 |
| Connector Name | JOINT CONNECTOR-M01 |
| Connector Type | 24342_4GA2A |

H.S.

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | B | - |
| 2 | B | - |
| 3 | B | - |
| 4 | B | - |
| 5 | B | - |
| 6 | B | - |
| 7 | B | - |
| 8 | B | - |
| 9 | B | - |
| 10 | G | - |
| 11 | G | - |
| 14 | B | - |
| 15 | B | - |
| 16 | SB | - [With VR30 engine] |
| 16 | Y | - [With 2.0L turbo gasoline engine] |
| 17 | SB | - [With VR30 engine] |
| 17 | Y | - [With 2.0L turbo gasoline engine] |
| 18 | SB | - [With VR30 engine] |
| 18 | Y | - [With 2.0L turbo gasoline engine] |
| 19 | G | - |
| 20 | G | - |
| 22 | LG | - [With VR30 engine] |
| 22 | SB | - [With 2.0L turbo gasoline engine] |
| 23 | LG | - [With VR30 engine] |
| 23 | SB | - [With 2.0L turbo gasoline engine] |
| 24 | LG | - [With VR30 engine] |
| 24 | SB | - [With 2.0L turbo gasoline engine] |

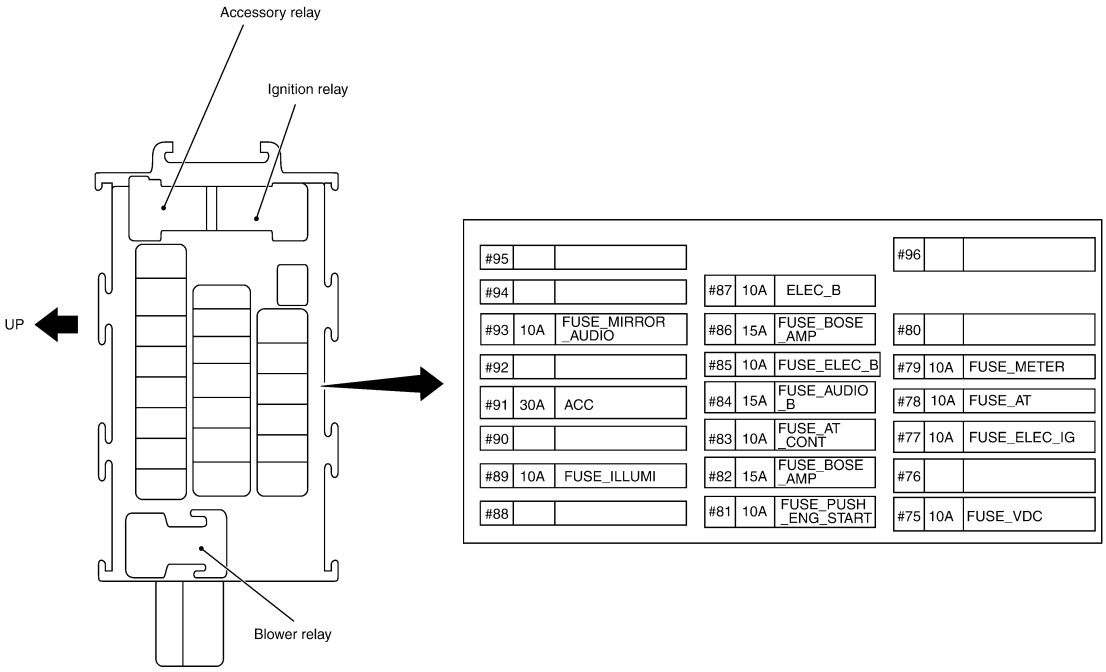
JRMWJ4811GB

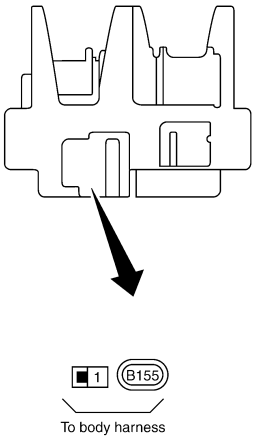
# FUSE BLOCK - JUNCTION BOX (J/B)

## Fuse, Connector and Terminal Arrangement

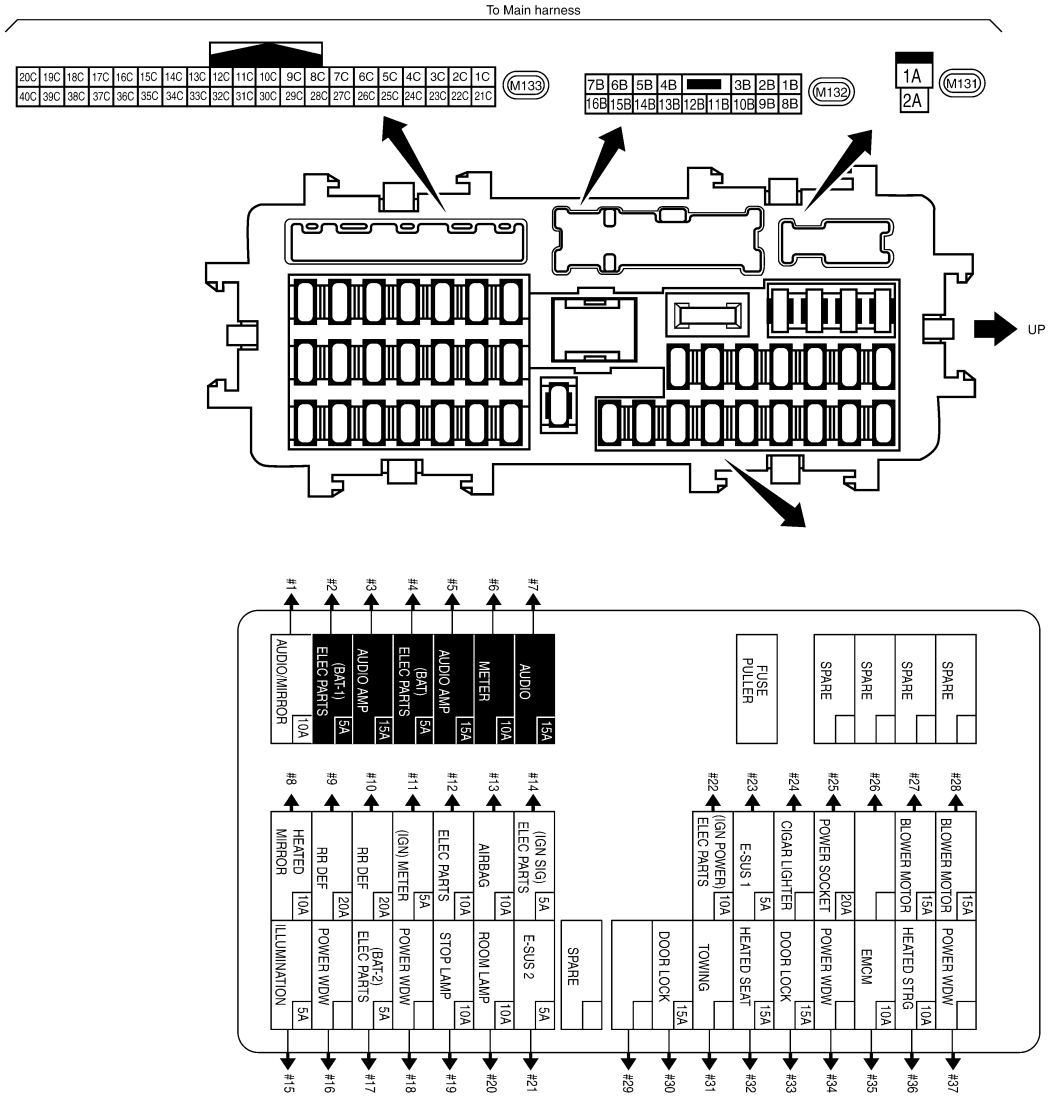
INFOID:0000000012791639

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

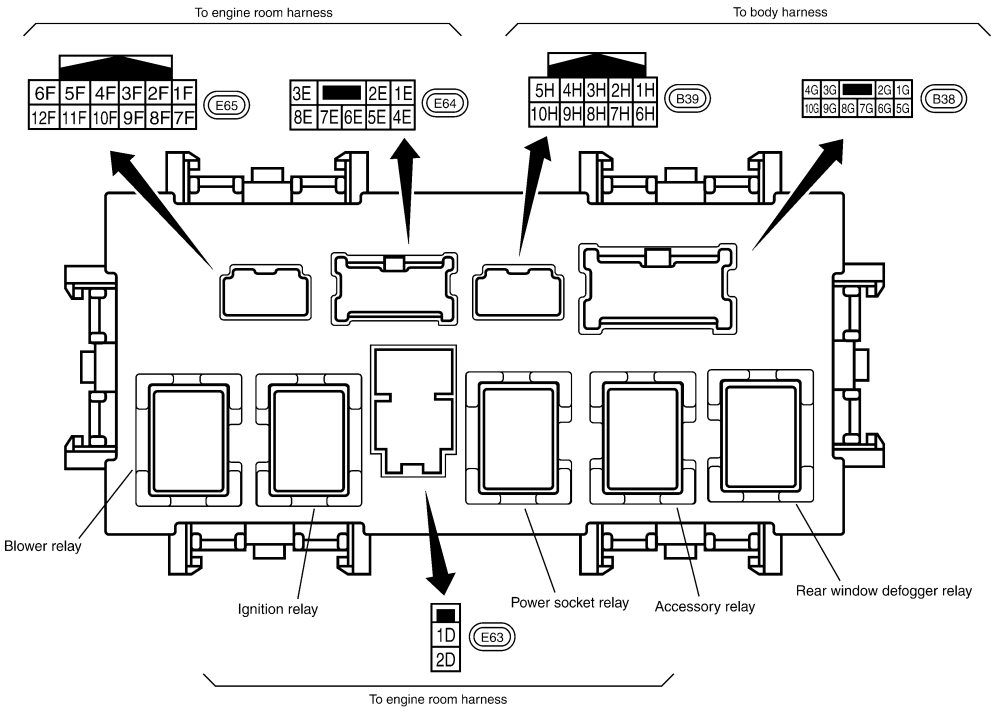



JRMWJ4933GB




JRMWJ4934GB




2016/02/15

JRMWJ4935GB

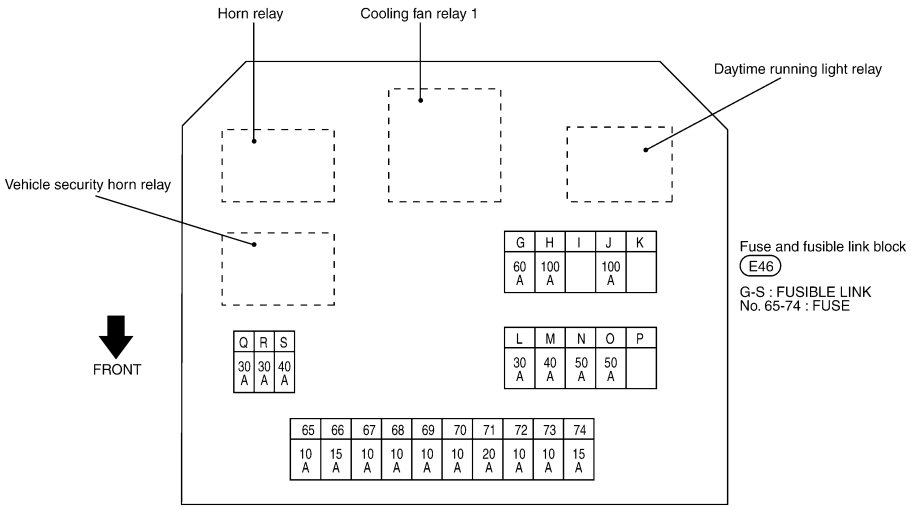
# FUSE, FUSIBLE LINK AND RELAY BOX

## Fuse and Fusible Link Arrangement

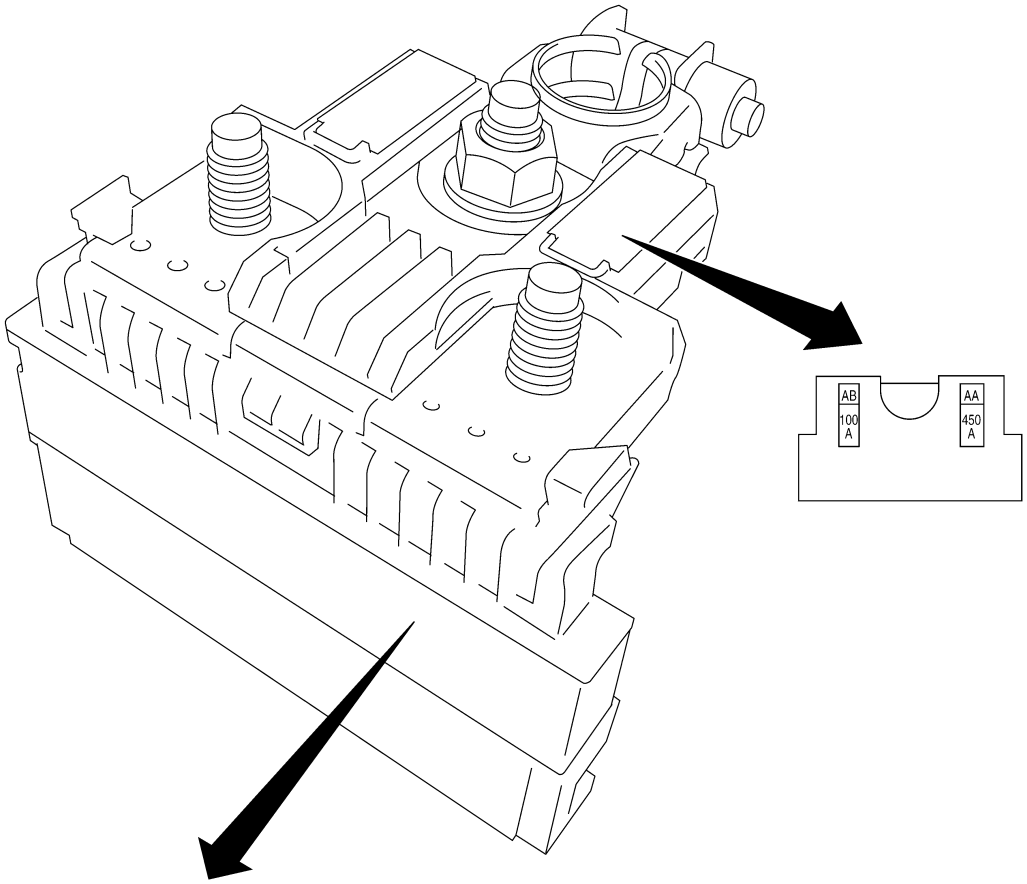
INFOID:0000000012791640

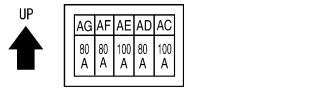
VR30DDTT

FUSE, FUSIBLE LINK AND RELAY BOX
Fuse and Fusible Link Arrangement (VR ENGINE)




JRMWJ1921GB

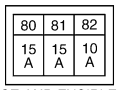



BATTERY TERMINAL WITH FUSIBLE LINK
(E182), (E183), (E184), (E185), (E186), (E187)


FUSE AND FUSIBLE LINK HOLDER-1
(E188)
V-W: FUSIBLE LINK


FUSE AND FUSIBLE LINK HOLDER
(E141)
U-T: FUSIBLE LINK



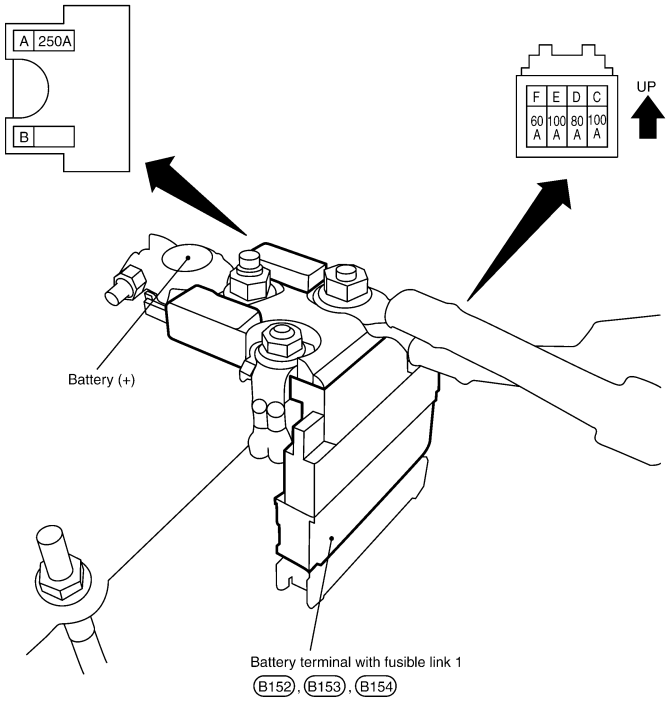

FUSE AND FUSIBLE LINK HOLDER-3
(E189)
No: 80-82 FUSE

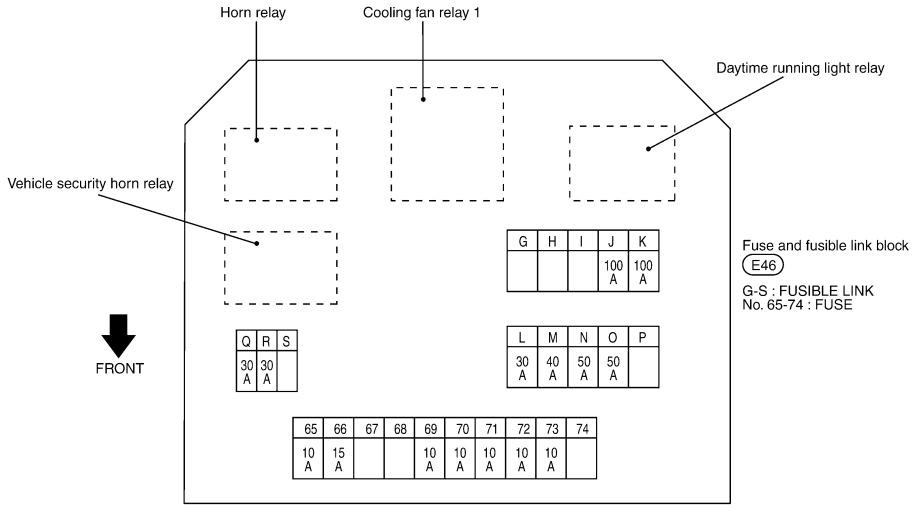
2015/11/27

JRMWJ1922GB

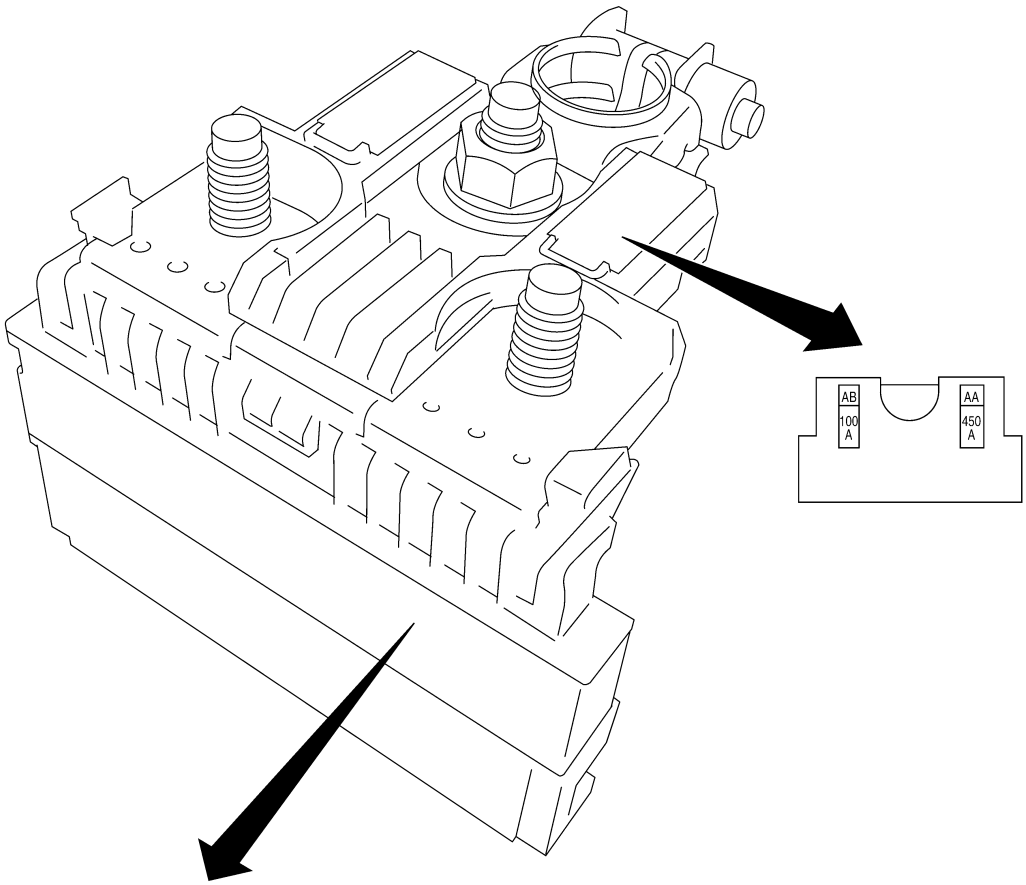
FUSE, FUSIBLE LINK AND RELAY BOX

Fuse and Fusible Link Arrangement (2.0L TURBO GASOLINE ENGINE)

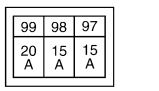


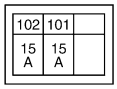

JRMWJ1923GB




BATTERY TERMINAL WITH FUSIBLE LINK
(E182), (E183), (E184), (E185), (E186), (E187)




FUSE AND FUSIBLE LINK HOLDER-1
(E224)
No. 97-99:FUSE




FUSE AND FUSIBLE LINK HOLDER-2
(E225)
No. 101-108:FUSE


FUSE AND FUSIBLE LINK HOLDER-4
(B162)
U-V:FUSIBLE LINK

2015/11/27

JRMWJ1924GB

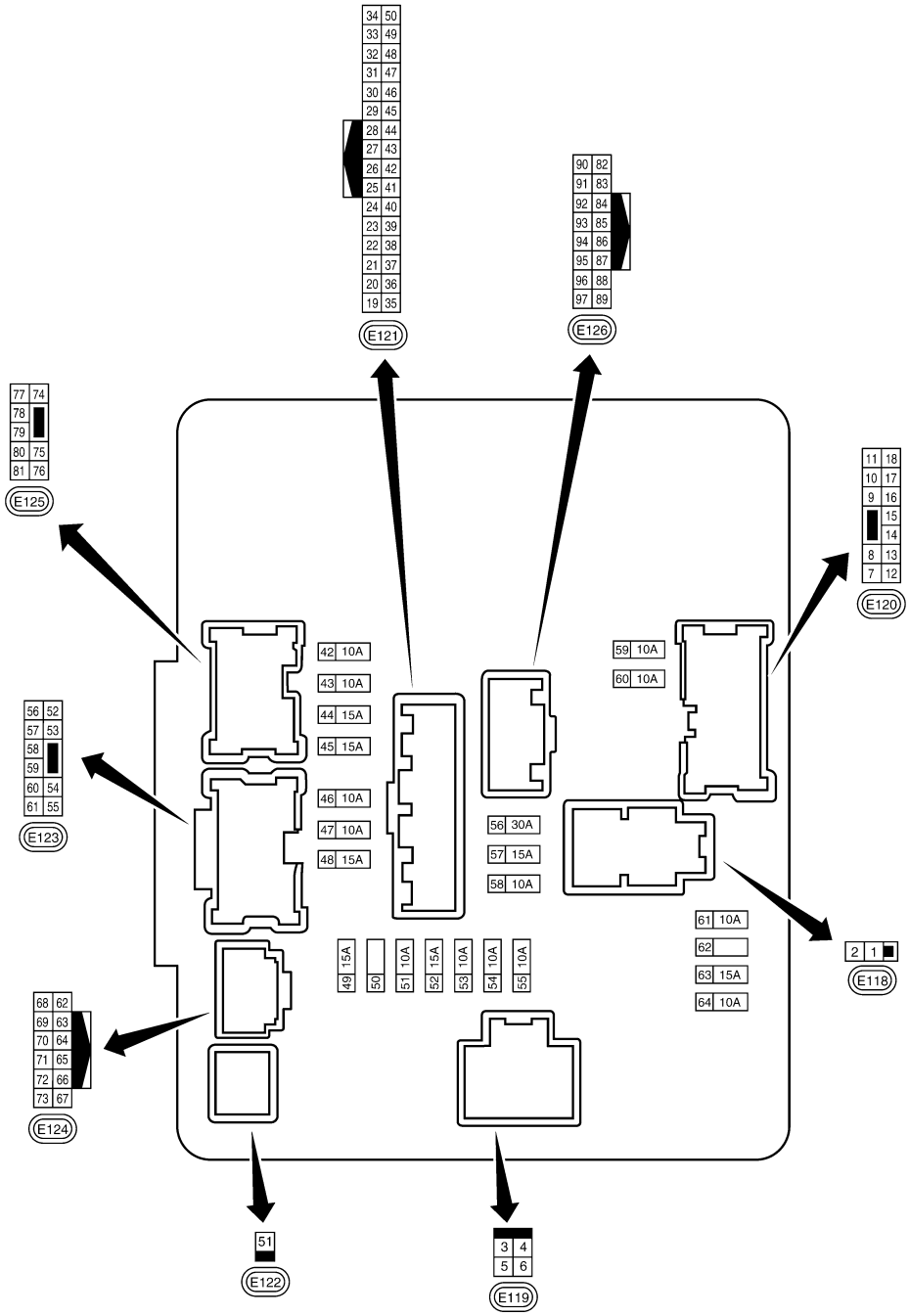
# IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)

## Fuse, Connector and Terminal Arrangement

INFOID:0000000012791641

VR30DDTT

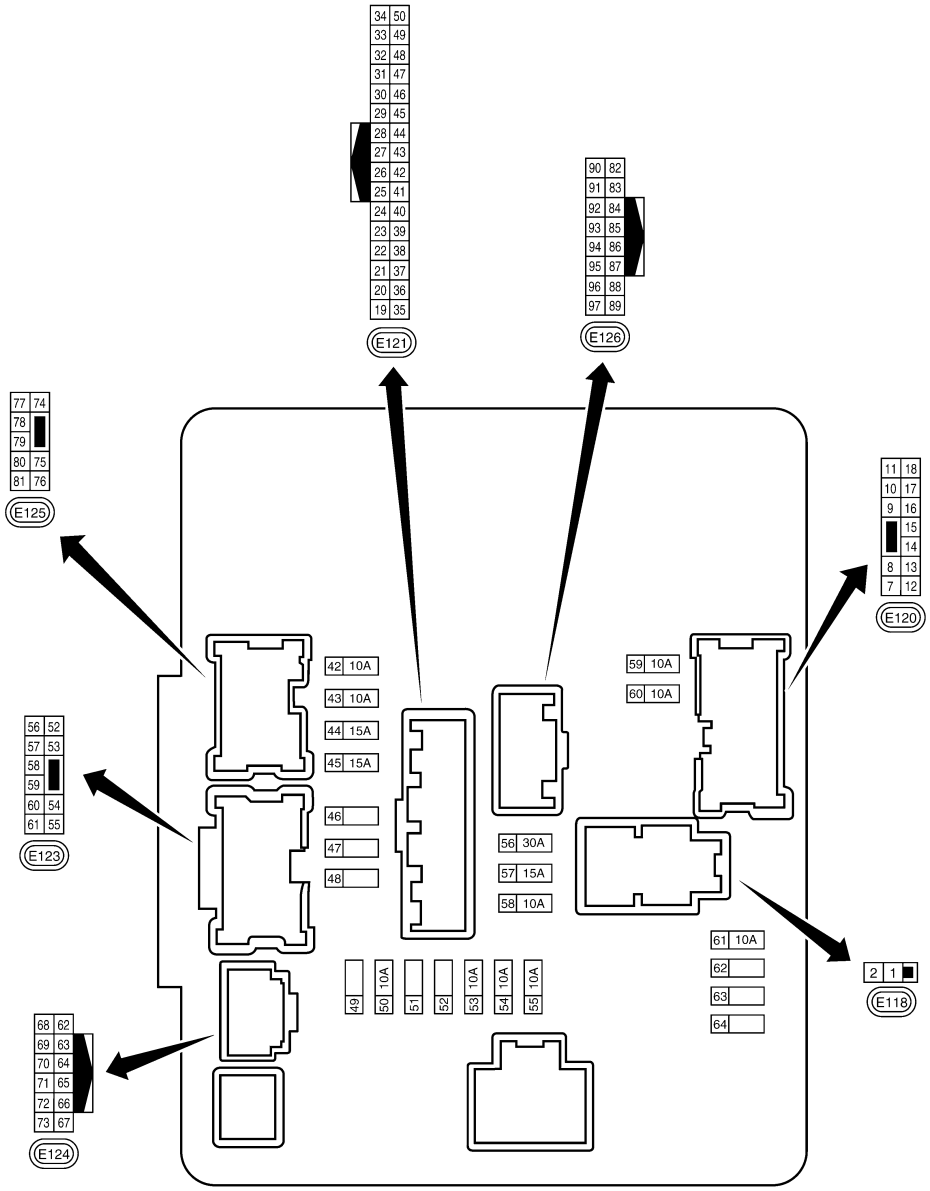
IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Fuse, Connector and Terminal Arrangement (VR ENGINE)




2015/11/27

JRMWJ1925GB

IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Fuse, Connector and Terminal Arrangement (2.0L TURBO GASOLINE ENGINE)



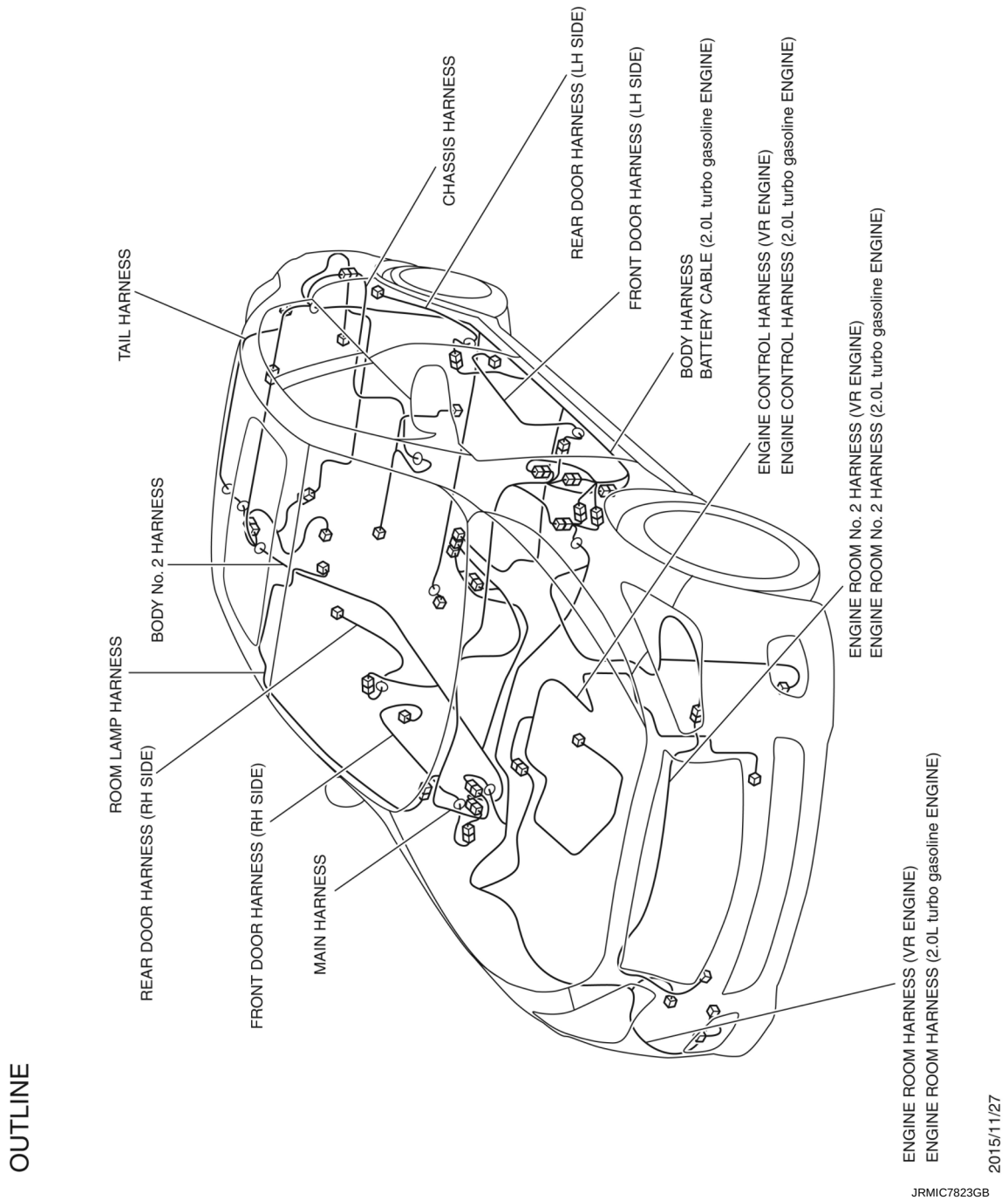

2015/11/27

JRMWJ1926GB

# HARNESS LAYOUT

## Outline

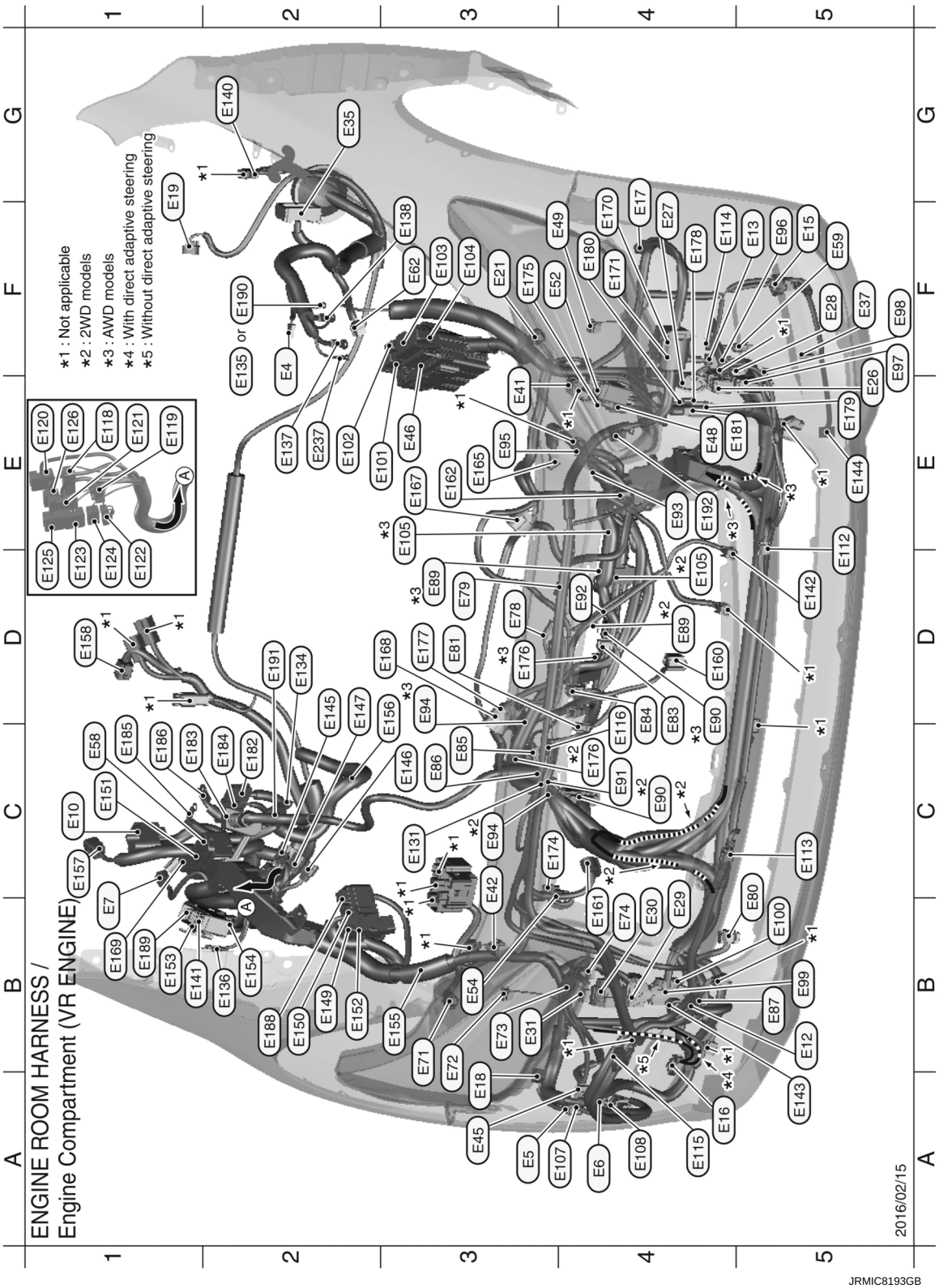
INFOID:0000000012791642



# Engine Room Harness (VR30DDTT)

INFOID:0000000012791643

ENGINE COMPARTMENT



| | | | |
|---|---|---|---|
| F2 | E4 | GY/2 | : BRAKE FLUID LEVEL SWITCH |
| A3 | E5 | B/12 | : To E107 |
| A4 | E6 | B/6 | : To E108 |
| B1 | E7 | B/4 | : BATTERY CURRENT SENSOR |
| C1 | E10 | B/52 | : To F12 |
| B5 | E12 | B/10 | : To E87 |
| F5 | E13 | B/12 | : To E96 |
| F5 | E15 | B/2 | : FRONT FOG LAMP LH |
| A4 | E16 | B/2 | : FRONT FOG LAMP RH |
| F4 | E17 | B/2 | : FRONT TURN SIGNAL LAMP LH |
| A3 | E18 | B/2 | : FRONT TURN SIGNAL LAMP RH |
| G1 | E19 | GY/5 | : FRONT WIPER MOTOR |
| F3 | E21 | GY/3 | : HEADLAMP AIMING MOTOR LH |
| E5 | E26 | B/32 | : STEERING ANGLE MAIN CONTROL MODULE |
| F4 | E27 | B/2 | : STEERING ANGLE MAIN CONTROL MODULE |
| F5 | E28 | B/1 | : STEERING ANGLE MAIN CONTROL MODULE |
| B4 | E29 | B/32 | : STEERING ANGLE SUB CONTROL MODULE |
| B4 | E30 | B/2 | : STEERING ANGLE SUB CONTROL MODULE |
| B3 | E31 | B/1 | : STEERING ANGLE SUB CONTROL MODULE |
| G2 | E35 | B/34 | : ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT) |
| F5 | E37 | BR/2 | : WASHER LEVEL SWITCH |
| E3 | E41 | B/8 | : FRONT COMBINATION LAMP LH |
| C3 | E42 | B/8 | : FRONT COMBINATION LAMP RH |
| A3 | E45 | BR/3 | : INTELLIGENT KEY WARNING BUZZER |
| E3 | E46 | - | : FUSE AND FUSIBLE LINK BLOCK |
| E4 | E48 | B/2 | : FRONT WHEEL SENSOR LH |
| F3 | E49 | GY/3 | : HEADLAMP SWIVEL ACTUATOR LH |
| F3 | E52 | L/4 | : ICC BRAKE HOLD RELAY |
| B3 | E54 | B/2 | : FRONT WHEEL SENSOR RH |
| C1 | E58 | B/5 | : ESS RELAY |
| F5 | E59 | B/2 | : WASHER PUMP |
| F3 | E62 | B/3 | : VACUUM SENSOR |
| B3 | E71 | GY/3 | : HEADLAMP AIMING MOTOR RH |
| B3 | E72 | GY/3 | : HEADLAMP SWIVEL ACTUATOR RH |
| B3 | E73 | B/1 | : VEHICLE SECURITY HORN |
| B4 | E74 | B/1 | : VEHICLE SECURITY HORN |
| D3 | E78 | B/1 | : HORN LOW |
| D3 | E79 | B/1 | : HORN LOW |
| C5 | E80 | B/8 | : ICC SENSOR |
| D3 | E81 | B/2 | : AMBIENT SENSOR |
| D4 | E83 | B/3 | : EXHAUST GAS / OUTSIDE ODOR DETECTING SENSOR |
| D4 | E84 | Y/2 | : CRASH ZONE SENSOR |
| C3 | E85 | B/1 | : HORN HIGH |
| C3 | E86 | B/1 | : HORN HIGH |
| B5 | E87 | B/10 | : To E12 |
| D4,D3 | E89 | - | : STEERING ANGLE MAIN MOTOR |
| C4,D4 | E90 | B/3 | : STEERING ANGLE SUB MOTOR |
| C4 | E91 | B/1 | : STEERING ANGLE SUB MOTOR |
| D4 | E92 | - | : STEERING ANGLE SUB MOTOR |
| E4 | E93 | B/6 | : MAIN MOTOR ANGLE SENSOR |
| C3,D3 | E94 | B/6 | : SUB MOTOR ANGLE SENSOR |
| E3 | E95 | GY/4 | : STEERING TORQUE SENSOR |
| F5 | E96 | B/12 | : To E13 |
| F5 | E97 | B/3 | : STEERING ANGLE MAIN CONTROL MODULE |
| F5 | E98 | B/1 | : STEERING ANGLE MAIN CONTROL MODULE |
| B5 | E99 | B/3 | : STEERING ANGLE SUB CONTROL MODULE |
| B5 | E100 | B/1 | : STEERING ANGLE SUB CONTROL MODULE |
| E2 | E101 | - | : VEHICLE SECURITY HORN RELAY |
| E2 | E102 | - | : HORN RELAY |
| F3 | E103 | - | : FUSE AND FUSIBLE LINK BLOCK |

2015/11/27

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|---|---|---|---|---|---|---|---|---|---|---|---|
| F3 | E104 | - | : DAYTIME RUNNING LIGHT RELAY | D2 | E147 | B/12 | : To F110 |
| D4,E3 | E105 | B/3 | : STEERING ANGLE MAIN MOTOR | B2 | E149 | L/4 | : HIGH PRESSURE FUEL PUMP RELAY |
| A4 | E107 | B/12 | : To E5 | B2 | E150 | BR/6 | : FUEL INJECTOR RELAY |
| A4 | E108 | B/6 | : To E6 | C1 | E151 | L/4 | : CHARGE AIR COOLER COOLING RELAY |
| D5 | E112 | B/3 | : CENTER SENSOR FRONT LH | B2 | E152 | B/32 | : ECM |
| C5 | E113 | B/3 | : CENTER SENSOR FRONT RH | B1 | E153 | B/40 | : ELECTRIC INTAKE VALVE TIMING CONTROL MODULE |
| F4 | E114 | B/3 | : CORNER SENSOR FRONT LH | B2 | E154 | B/4 | : ELECTRIC INTAKE VALVE TIMING CONTROL MODULE |
| A4 | E115 | B/3 | : CORNER SENSOR FRONT RH | B3 | E155 | B/6 | : JOINT CONNECTOR-E03 |
| D4 | E116 | B/6 | : FRONT CAMERA | D3 | E156 | B/6 | : JOINT CONNECTOR-E04 |
| E1 | E118 | B/2 | : IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) | C1 | E157 | GY/4 | : To F131 |
| E1 | E119 | W/4 | : IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) | D1 | E158 | GY/4 | : To F132 |
| E1 | E120 | W/12 | : IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) | D4 | E160 | GY/2 | : CHARGE AIR COOLER COOLANT TEMPERATURE SENSOR |
| E1 | E121 | W/32 | : IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) | B4 | E161 | G/4 | : CHARGE AIR COOLER COOLING ELECTRIC WATER PUMP 2 |
| D1 | E122 | B/1 | : IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) | E3 | E162 | B/3 | : REFRIGRANT PRESSURE SENSOR |
| D1 | E123 | W/10 | : IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) | E3 | E165 | - | : STARTER MOTOR |
| D1 | E124 | W/12 | : IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) | E3 | E167 | GY/4 | : COOLING FAN CONTROL MODULE 1 |
| D1 | E125 | W/8 | : IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) | D3 | E168 | GY/4 | : COOLING FAN CONTROL MODULE 2 |
| E1 | E126 | W/16 | : IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) | B1 | E169 | - | : COOLING FAN RELAY 2 |
| C3 | E131 | - | : ALTERNATOR | F4 | E170 | B/48 | : To E170 |
| D2 | E134 | - | : BODY GROUND | F4 | E171 | B/48 | : To E171 |
| F2 | E135 | - | : BODY GROUND | C3 | E174 | B/2 | : DYNAMIC DIGITAL SUSPENSION (FR) |
| B2 | E136 | - | : BODY GROUND | F3 | E175 | B/2 | : DYNAMIC DIGITAL SUSPENSION (FL) |
| E2 | E137 | - | : BODY GROUND | C4,D3 | E176 | B/4 | : POWER STEERING CONTROL MODULE |
| F3 | E138 | - | : BODY GROUND | D3 | E177 | B/2 | : POWER STEERING CONTROL MODULE |
| G2 | E140 | - | : BODY GROUND | F4 | E178 | B/4 | : To E180 |
| B1 | E141 | - | : FUSE AND FUSIBLE LINK HOLDER | E5 | E179 | GY/2 | : To E181 |
| D5 | E142 | GY/2 | : ENGINE COOLANT TEMPERATURE SENSOR 2 | F4 | E180 | B/4 | : To E178 |
| A5 | E143 | G/4 | : CHARGE AIR COOLER COOLING ELECTRIC WATER PUMP 1 | E5 | E181 | GY/2 | : To E179 |
| E5 | E144 | B/4 | : G_SHUT_ACTR | C2 | E182 | BR/2 | : BATTERY TERMINAL WITH FUSIBLE LINK |
| D2 | E145 | B/8 | : To F106 | | | | |
| C3 | E146 | B/6 | : To F108 | | | | |

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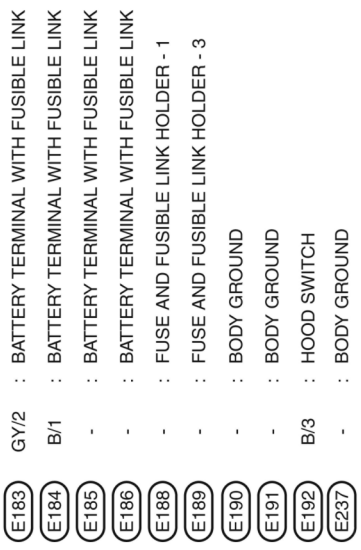


2016/02/15

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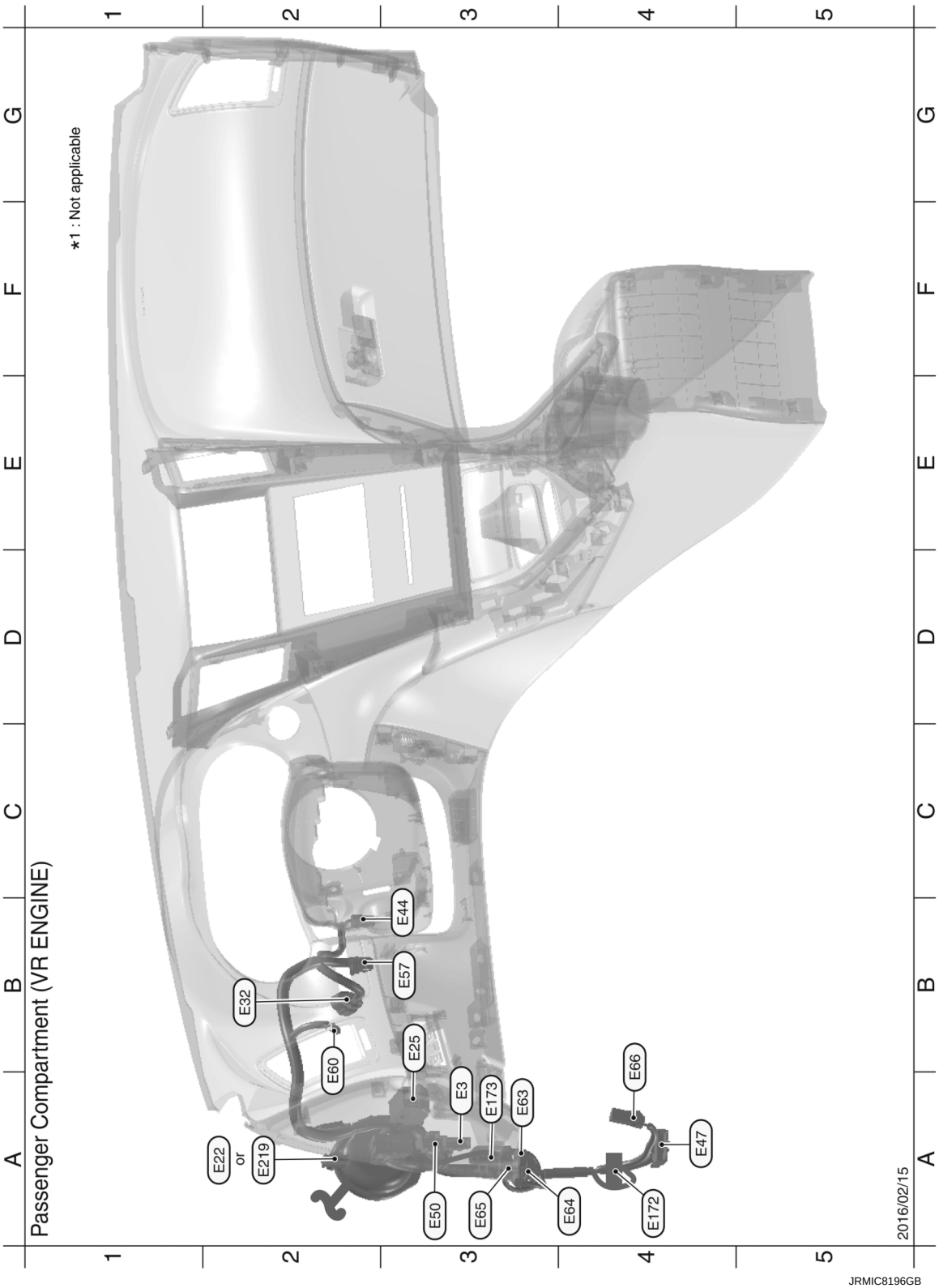
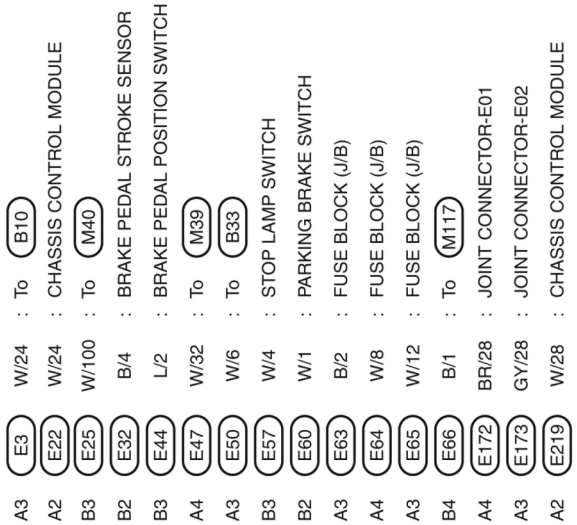
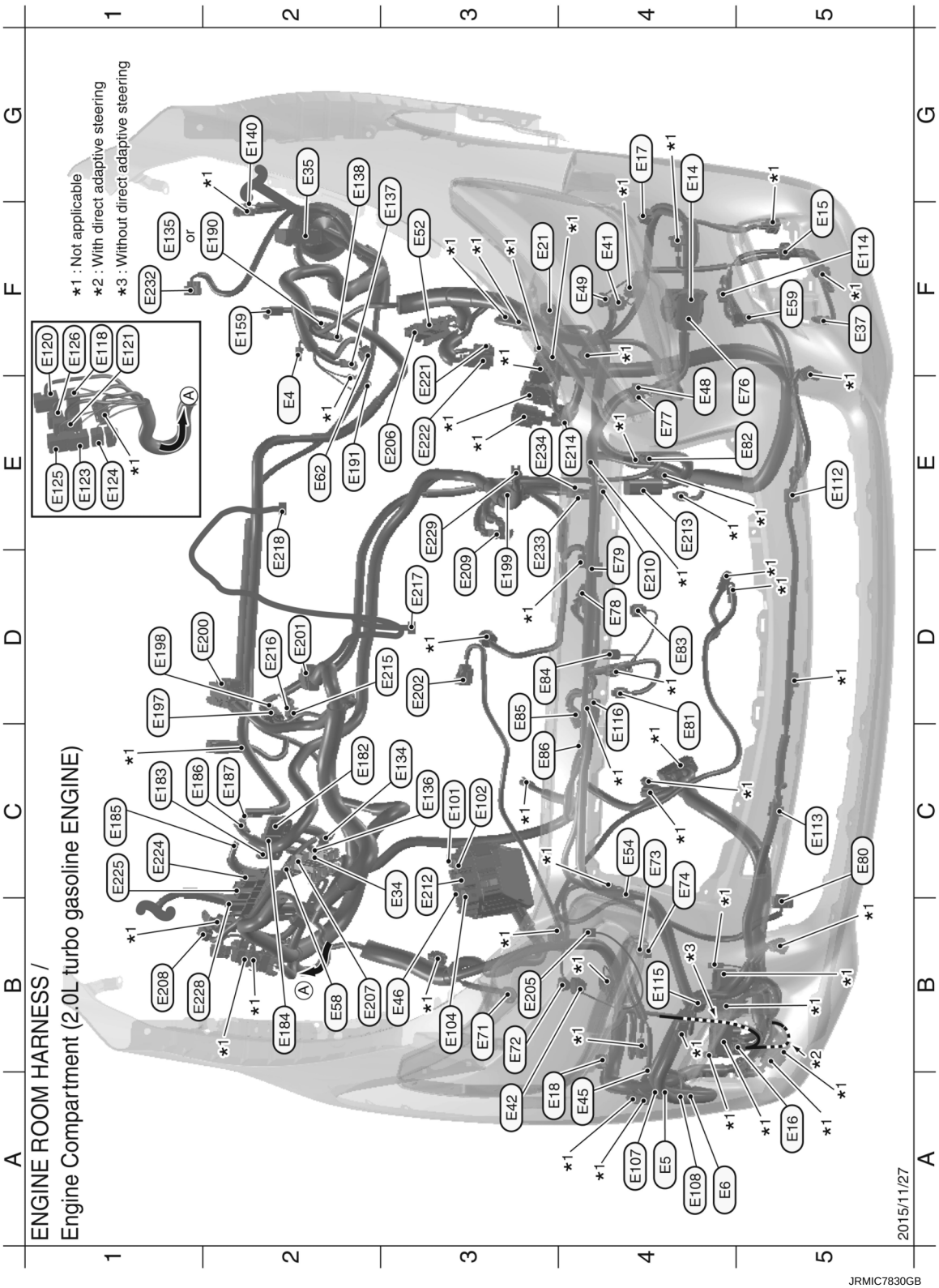

Passenger Compartment (VR ENGINE)
*1 : Not applicable
E22
or
E219
E32
E60
E44
E57
E25
E3
E173
E63
E50
E65
E64
E66
E47
E172
2016/02/15
JRMIC8196GB


A3 E3 W/24 : To B10
A2 E22 W/24 : CHASSIS CONTROL MODULE
B3 E25 W/100 : To M40
B2 E32 B/4 : BRAKE PEDAL STROKE SENSOR
B3 E44 L/2 : BRAKE PEDAL POSITION SWITCH
A4 E47 W/32 : To M39
A3 E50 W/6 : To B33
B3 E57 W/4 : STOP LAMP SWITCH
B2 E60 W/1 : PARKING BRAKE SWITCH
A3 E63 B/2 : FUSE BLOCK (J/B)
A4 E64 W/8 : FUSE BLOCK (J/B)
A3 E65 W/12 : FUSE BLOCK (J/B)
B4 E66 B/1 : To M117
A4 E172 BR/28 : JOINT CONNECTOR-E01
A3 E173 GY/28 : JOINT CONNECTOR-E02
A2 E219 W/28 : CHASSIS CONTROL MODULE
2016/02/15
JRMIC8197GB

# Engine Room Harness (2.0 TURBO GASOLINE ENGINE)

INFOID:0000000013359062

ENGINE COMPARTMENT



| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| E2 | E4 | GY/2 | : | BRAKE FLUID LEVEL SWITCH | D4 | E79 | B/1 | : | HORN LOW |
| A4 | E5 | B/12 | : | To E107 | C5 | E80 | B/8 | : | ICC SENSOR |
| A4 | E6 | B/6 | : | To E108 | D4 | E81 | B/2 | : | AMBIENT SENSOR |
| G4 | E14 | B/30 | : | To E76 | E5 | E82 | B/3 | : | REFRIGERANT PRESSURE SENSOR |
| F5 | E15 | B/2 | : | FRONT FOG LAMP LH | D4 | E83 | B/3 | : | EXHAUST GAS / OUTSIDE ODOR DETECTING SENSOR |
| A5 | E16 | B/2 | : | FRONT FOG LAMP RH | D3 | E84 | Y/2 | : | CRASH ZONE SENSOR |
| G4 | E17 | B/2 | : | FRONT TURN SIGNAL LAMP LH | D3 | E85 | B/1 | : | HORN HIGH |
| A3 | E18 | B/2 | : | FRONT TURN SIGNAL LAMP RH | C3 | E86 | B/1 | : | HORN HIGH |
| F3 | E21 | GY/3 | : | HEADLAMP AIMING MOTOR LH | C3 | E101 | - | : | VEHICLE SECURITY HORN RELAY |
| C3 | E34 | L/2 | : | SHIFT LOCK RELAY | C3 | E102 | - | : | HORN RELAY |
| G2 | E35 | B/34 | : | ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT) | B3 | E104 | - | : | FUSE AND FUSIBLE LINK BLOCK |
| | | | | | A4 | E107 | B/12 | : | To E5 |
| F5 | E37 | BR/2 | : | WASHER LEVEL SWITCH | A4 | E108 | B/6 | : | To E6 |
| F4 | E41 | B/8 | : | FRONT COMBINATION LAMP LH | E5 | E112 | B/3 | : | CENTER SENSOR FRONT LH |
| A3 | E42 | B/8 | : | FRONT COMBINATION LAMP RH | C5 | E113 | B/3 | : | CENTER SENSOR FRONT RH |
| A4 | E45 | BR/3 | : | INTELLIGENT KEY WARNING BUZZER | F5 | E114 | B/3 | : | CORNER SENSOR FRONT LH |
| B3 | E46 | - | : | FUSE AND FUSIBLE LINK BLOCK | B4 | E115 | B/3 | : | CORNER SENSOR FRONT RH |
| E4 | E48 | B/2 | : | FRONT WHEEL SENSOR LH | D4 | E116 | B/6 | : | FRONT CAMERA |
| F4 | E49 | GY/3 | : | HEADLAMP SWIVEL ACTUATOR LH | F1 | E118 | B/2 | : | IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) |
| F3 | E52 | L/4 | : | ICC BRAKE HOLD RELAY | F1 | E120 | W/12 | : | IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) |
| C4 | E54 | B/2 | : | FRONT WHEEL SENSOR RH | F1 | E121 | W/32 | : | IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) |
| B2 | E58 | B/5 | : | ESS RELAY | E1 | E123 | W/10 | : | IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) |
| F5 | E59 | B/2 | : | WASHER PUMP | E1 | E124 | W/12 | : | IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) |
| E2 | E62 | B/3 | : | VACUUM SENSOR | E1 | E125 | W/8 | : | IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) |
| B3 | E71 | GY/3 | : | HEADLAMP AIMING MOTOR RH | F1 | E126 | W/16 | : | IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) |
| B3 | E72 | GY/3 | : | HEADLAMP SWIVEL ACTUATOR RH | C3 | E134 | - | : | BODY GROUND |
| C4 | E73 | B/1 | : | VEHICLE SECURITY HORN | F1 | E135 | - | : | BODY GROUND |
| C4 | E74 | B/1 | : | VEHICLE SECURITY HORN | C3 | E136 | - | : | BODY GROUND |
| E5 | E76 | B/30 | : | To E14 | G3 | E137 | - | : | BODY GROUND |
| E4 | E77 | B/2 | : | HOOD SWITCH | G2 | E138 | - | : | BODY GROUND |
| D4 | E78 | B/1 | : | HORN LOW | G2 | E140 | - | : | BODY GROUND |

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|---|---|---|---|---|---|---|
| F2 | E159 | - | : BATTERY TERMINAL WITH FUSIBLE LINK | C1 | E224 | - : FUSE_FL_BOX_1 |
| C2 | E182 | BR/2 | : BATTERY TERMINAL WITH FUSIBLE LINK | C1 | E225 | - : FUSE_FL_BOX_2 |
| C1 | E183 | GY/2 | : BATTERY TERMINAL WITH FUSIBLE LINK | B1 | E228 | - : MAIN RELAY |
| B2 | E184 | B/1 | : BATTERY TERMINAL WITH FUSIBLE LINK | E3 | E229 | - : ALTERNATOR |
| C1 | E185 | - | : BATTERY TERMINAL WITH FUSIBLE LINK | F1 | E232 | GY/5 : FRONT WIPER MOTOR |
| C1 | E186 | - | : BATTERY TERMINAL WITH FUSIBLE LINK | D3 | E233 | - : ENGINE RESTART BYPASS RELAY |
| C2 | E187 | - | : BATTERY TERMINAL WITH FUSIBLE LINK | E3 | E234 | - : ENGINE RESTART BYPASS RELAY |
| F2 | E190 | - | : BODY GROUND | | | |
| E2 | E191 | - | : BODY GROUND | | | |
| D1 | E197 | B/8 | : To E198 | | | |
| D1 | E198 | B/8 | : To E197 | | | |
| D3 | E199 | B/3 | : FUEL PRESSURE SENSOR | | | |
| D1 | E200 | B/58 | : ECM | | | |
| D2 | E201 | - | : To F151 | | | |
| D3 | E202 | - | : EVAP PURGE CONTROL VALVE | | | |
| B3 | E205 | L/4 | : DRIVING LAMP RELAY | | | |
| E3 | E206 | L/4 | : EMCM RELAY | | | |
| B2 | E207 | - | : STARTER RELAY | | | |
| B1 | E208 | B/4 | : MAIN BATTERY CURRENT SENSOR | | | |
| D3 | E209 | - | : STARTER MOTOR | | | |
| D4 | E210 | GY/1 | : ENGINE RESTART BYPASS RELAY | | | |
| C3 | E212 | - | : FUSE AND FUSIBLE LINK BLOCK | | | |
| E4 | E213 | - | : COOLING FAN CONTROL MODULE | | | |
| E4 | E214 | - | : BODY GROUND | | | |
| D3 | E215 | B/8 | : To E216 | | | |
| D2 | E216 | B/8 | : To E215 | | | |
| D3 | E217 | DGY/10 | : A/T ASSEMBLY | | | |
| D2 | E218 | B/8 | : AWD SOLENOID | | | |
| E3 | E221 | B/6 | : POWER STEERING CONTROL MODULE | | | |
| E3 | E222 | - | : POWER STEERING CONTROL MODULE | | | |

2015/11/27

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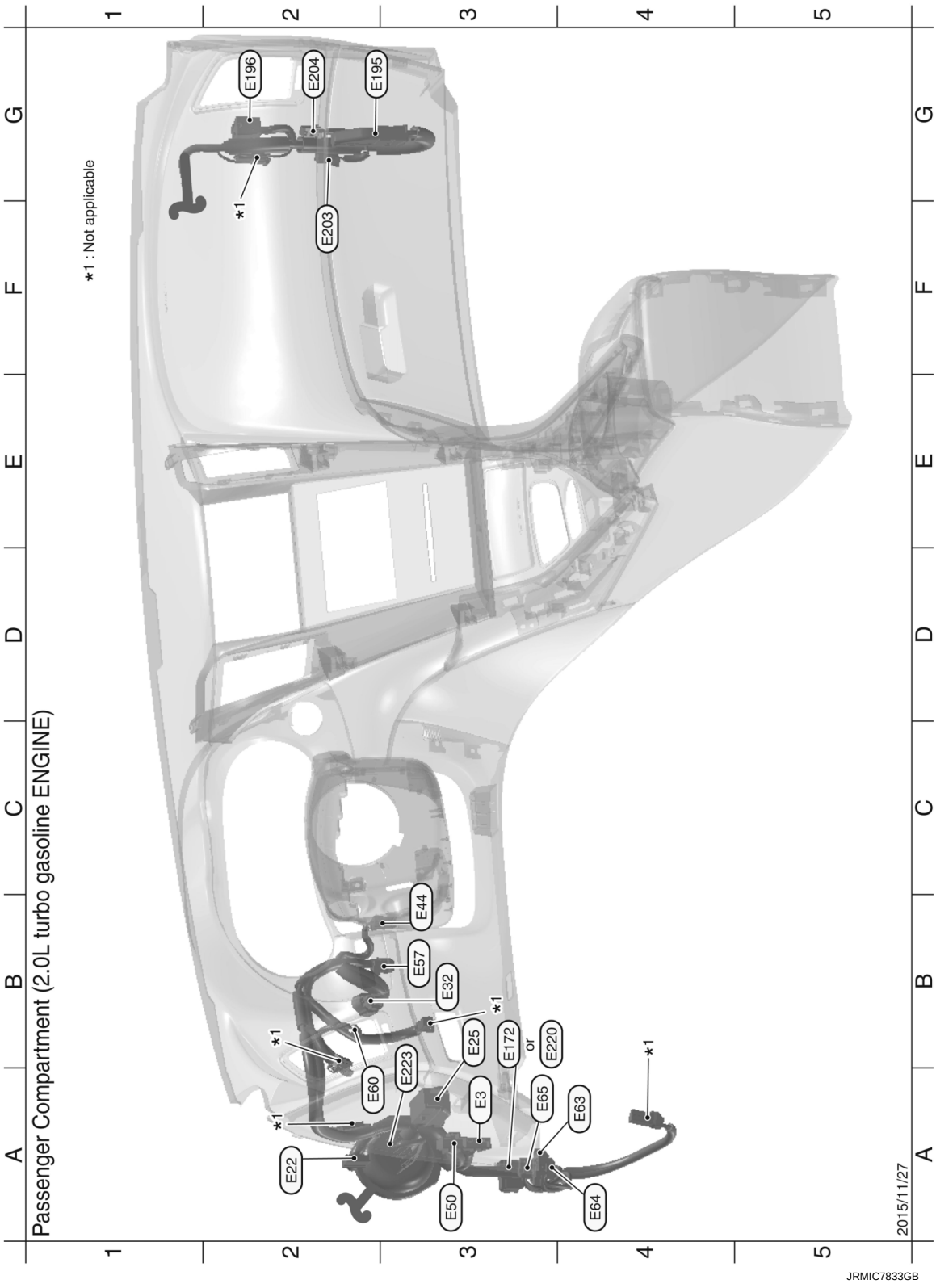
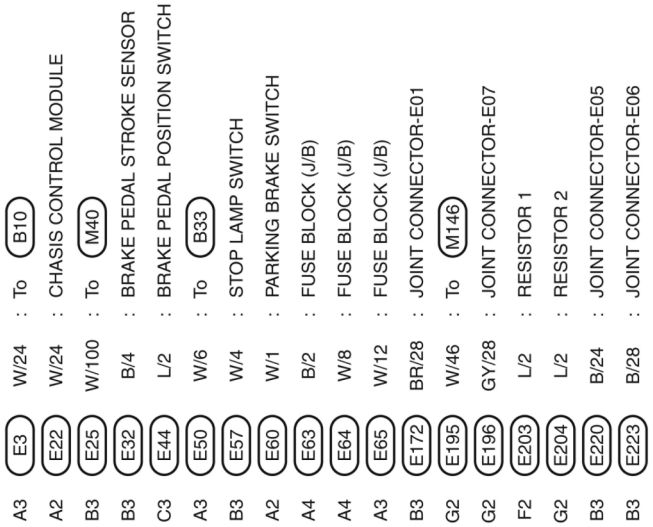
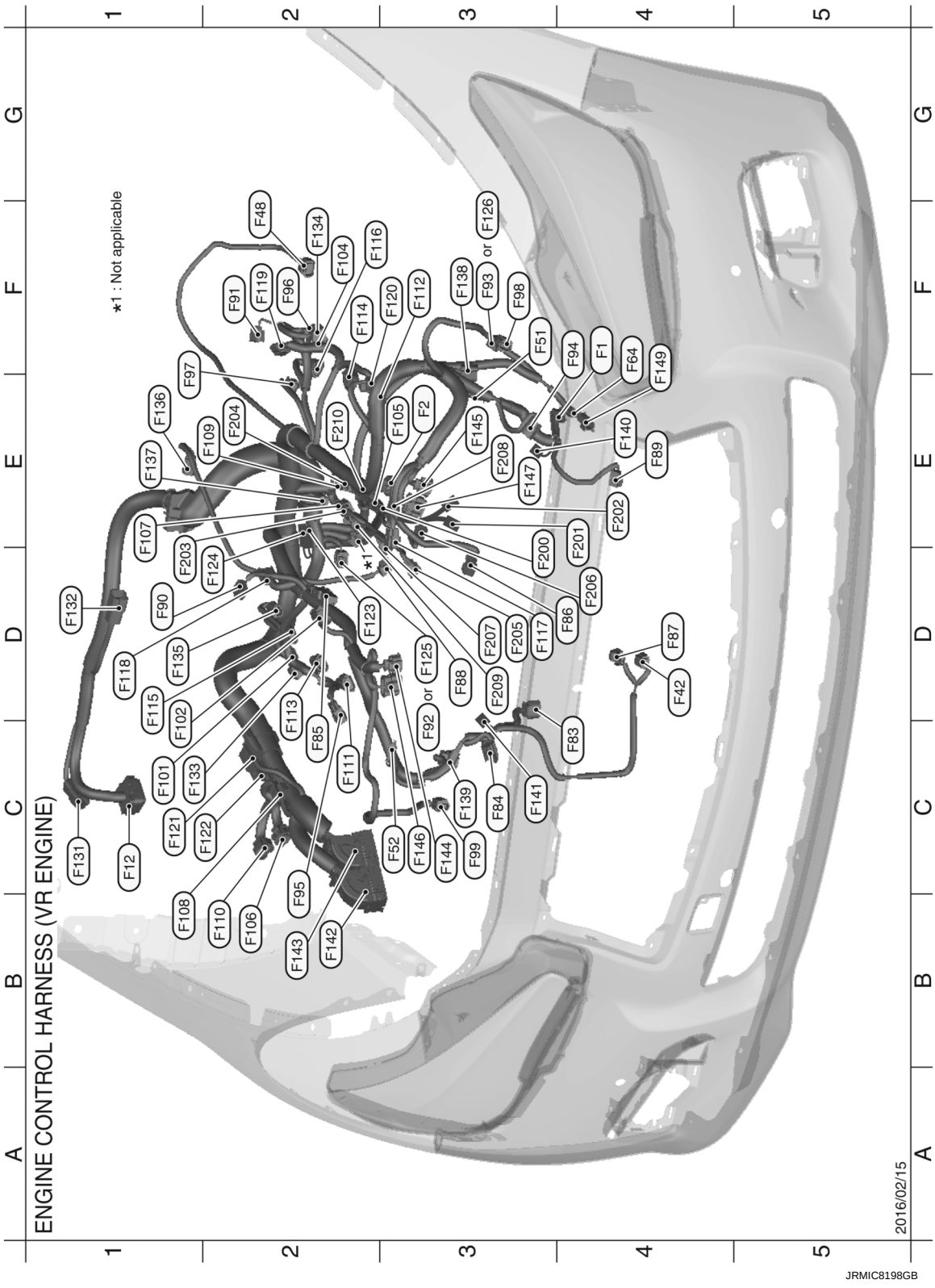

Passenger Compartment (2.0L turbo gasoline ENGINE)
*1 : Not applicable
E196
E204
E195
E203
E44
E57
E32
E60
E223
E25
E172
or
E220
E3
E65
E63
E22
E50
E64
*1
2015/11/27
JRMIC7833GB


A3 E3 W/24 : To B10
A2 E22 W/24 : CHASIS CONTROL MODULE
B3 E25 W/100 : To M40
B3 E32 B/4 : BRAKE PEDAL STROKE SENSOR
C3 E44 L/2 : BRAKE PEDAL POSITION SWITCH
A3 E50 W/6 : To B33
B3 E57 W/4 : STOP LAMP SWITCH
A2 E60 W/1 : PARKING BRAKE SWITCH
A4 E63 B/2 : FUSE BLOCK (J/B)
A4 E64 W/8 : FUSE BLOCK (J/B)
A3 E65 W/12 : FUSE BLOCK (J/B)
B3 E172 BR/28 : JOINT CONNECTOR-E01
G2 E195 W/46 : To M146
G2 E196 GY/28 : JOINT CONNECTOR-E07
F2 E203 L/2 : RESISTOR 1
G2 E204 L/2 : RESISTOR 2
B3 E220 B/24 : JOINT CONNECTOR-E05
B3 E223 B/28 : JOINT CONNECTOR-E06
2015/11/27
JRMIC7834GB

## Engine Control Harness (VR30DDTT)

INFOID:0000000012791644



| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| F4 | F1 | B/2 | : COMPRESSOR | E1 | F107 | B/8 | : To | F203 | | |
| E3 | F2 | DGY/10 | : A/T ASSEMBLY | B1 | F108 | B/6 | : To | E146 | | |
| C1 | F12 | B/52 | : To E10 | E2 | F109 | B/6 | : To | F204 | | |
| D4 | F42 | B/3 | : ENGINE OIL PRESSURE SENSOR | B2 | F110 | B/12 | : To | E147 | | |
| F2 | F48 | B/8 | : AWD SOLENOID | C2 | F111 | GY/3 | : IGNITION COIL No. 1 (WITH POWER TRANSISTOR) | | | |
| F3 | F51 | - | : ENGINE GROUND | F3 | F112 | GY/3 | : IGNITION COIL No. 2 (WITH POWER TRANSISTOR) | | | |
| C3 | F52 | - | : ENGINE GROUND | D2 | F113 | GY/3 | : IGNITION COIL No. 3 (WITH POWER TRANSISTOR) | | | |
| F4 | F64 | GY/2 | : COMPRESSOR | F2 | F114 | GY/3 | : IGNITION COIL No. 4 (WITH POWER TRANSISTOR) | | | |
| C4 | F83 | B/3 | : ALTERNATOR | D1 | F115 | GY/3 | : IGNITION COIL No. 5 (WITH POWER TRANSISTOR) | | | |
| C3 | F84 | G/2 | : EXHAUST VALVE TIMING CONTROL SOLENOID VALVE (BANK 1) | F2 | F116 | GY/3 | : IGNITION COIL No. 6 (WITH POWER TRANSISTOR) | | | |
| C2 | F85 | W/2 | : COMPRESSOR | D3 | F117 | GY/5 | : MULTI-WAY CONTROL VALVE | | | |
| D4 | F86 | GY/2 | : ENGINE COOLANT TEMPERATURE SENSOR 1 | D1 | F118 | B/6 | : ELECTRIC THROTTLE CONTROL ACTUATOR (BANK 1) | | | |
| D4 | F87 | GY/2 | : ENGINE OIL TEMPERATURE SENSOR | F2 | F119 | B/6 | : ELECTRIC THROTTLE CONTROL ACTUATOR (BANK 2) | | | |
| D3 | F88 | B/3 | : CRANKSHAFT POSITION SENSOR | F3 | F120 | GY/2 | : HIGH PRESSURE FUEL PUMP | | | |
| E4 | F89 | GY/2 | : ENGINE OIL PRESSURE CONTROL SOLENOID VALVE | C1 | F121 | B/24 | : JOINT CONNECTOR-F01 | | | |
| D1 | F90 | B/4 | : TURBOCHARGER BOOST SENSOR (BANK 1) | C2 | F122 | B/24 | : JOINT CONNECTOR-F02 | | | |
| F2 | F91 | B/4 | : TURBOCHARGER BOOST SENSOR (BANK 2) | D2 | F123 | B/24 | : JOINT CONNECTOR-F03 | | | |
| D3 | F92 | GY/4 | : O2_SENS_RR-B1 | D2 | F124 | B/24 | : JOINT CONNECTOR-F04 | | | |
| F3 | F93 | GY/4 | : O2_SENS_RR-B2 | D3 | F125 | B/4 | : HEATED OXYGEN SENSOR 2 (BANK 1) | | | |
| F4 | F94 | G/2 | : EXHAUST VALVE TIMING CONTROL SOLENOID VALVE (BANK 2) | F3 | F126 | B/4 | : HEATED OXYGEN SENSOR 2 (BANK 2) | | | |
| C2 | F95 | W/2 | : EXHAUST GAS TEMPERATURE SENSOR (BANK 1) | C1 | F131 | GY/4 | : To E157 | | | |
| F2 | F96 | W/2 | : EXHAUST GAS TEMPERATURE SENSOR (BANK 2) | D1 | F132 | GY/4 | : To E158 | | | |
| E1 | F97 | B/3 | : INTAKE CAMSHAFT POSITION SENSOR (BANK 2) | C1 | F133 | B/4 | : AIR FUEL RATIO (A/F) SENSOR 1(BANK 1) | | | |
| F3 | F98 | B/4 | : MASS AIR FLOW SENSOR (BANK 2) | F2 | F134 | B/4 | : AIR FUEL RATIO (A/F) SENSOR 1(BANK 2) | | | |
| C3 | F99 | B/4 | : MASS AIR FLOW SENSOR (BANK 1) | D1 | F135 | B/3 | : INTAKE CAMSHAFT POSITION SENSOR (BANK 1) | | | |
| C1 | F101 | B/3 | : EXHAUST CAMSHAFT POSITION SENSOR (BANK 1) | E1 | F136 | L/2 | : EVAP CANISTER PURGE VOLUME CONTROL SOLENOID VAVLE | | | |
| D1 | F102 | B/4 | : MANIFOLD ABSOLUTE PRESSURE SENSOR | E1 | F137 | B/3 | : FUEL RAIL PRESSURE SENOR | | | |
| F2 | F104 | B/3 | : EXHAUST CAMSHAFT POSITION SENSOR (BANK 2) | F3 | F138 | GY/6 | : ELECTRIC WASTEGATE CONTROL ACTUATOR (BANK 2) | | | |
| E3 | F105 | L/4 | : To F200 | C3 | F139 | GY/6 | : ELECTRIC WASTEGATE CONTROL ACTUATOR (BANK 1) | | | |
| B2 | F106 | B/8 | : To E145 | | | | | | | |

2016/02/15

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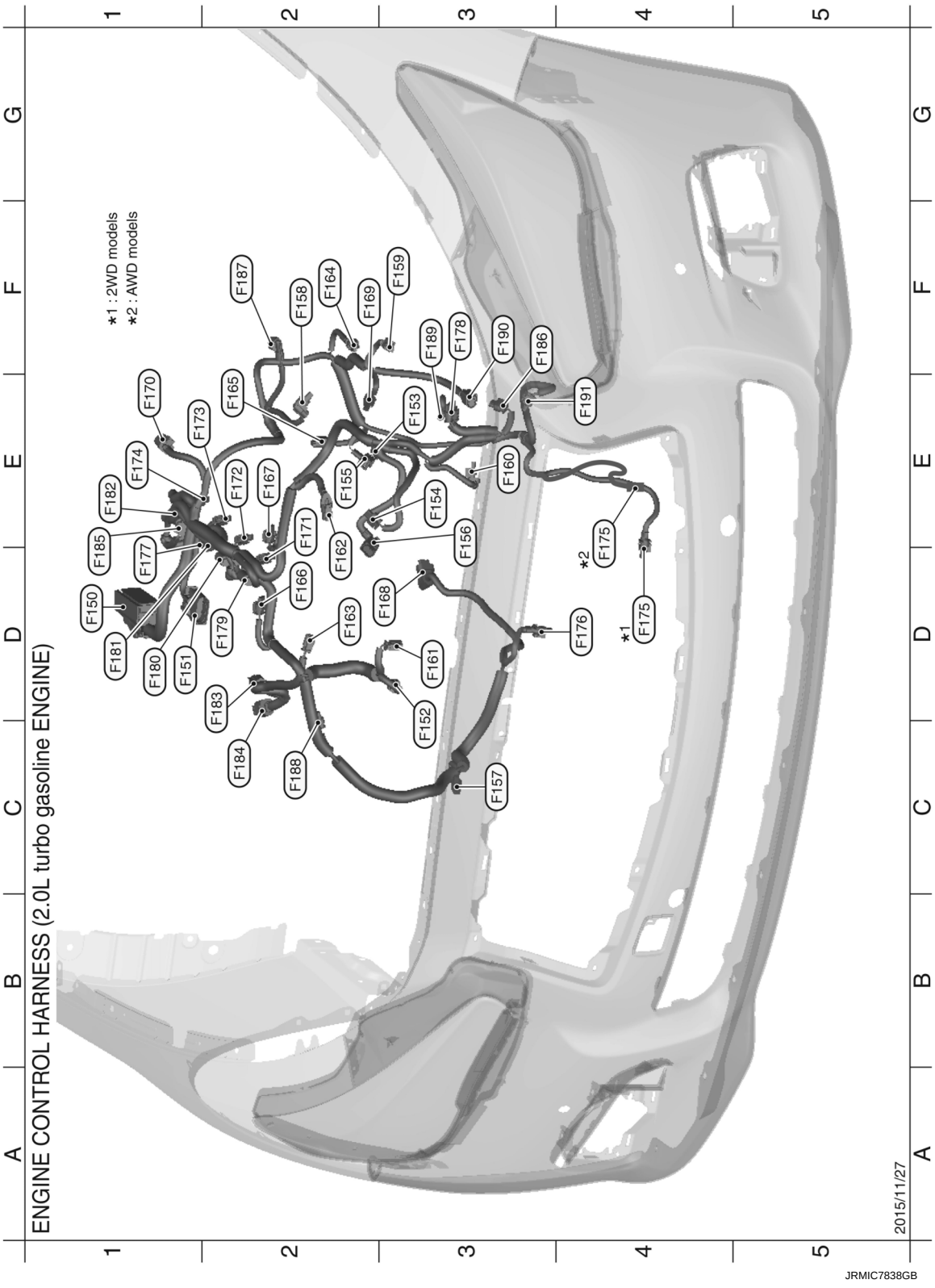
|---|---|---|---|---|---|
| E4 | F140 | GY/4 | : | TURBOCHARGER SPEED SENSOR (BANK 2) | |
| C3 | F141 | GY/4 | : | TURBOCHARGER SPEED SENSOR (BANK 1) | |
| B2 | F142 | GY/86 | : | ECM | |
| B2 | F143 | BR/86 | : | ECM | |
| C3 | F144 | B/3 | : | ELECTRIC INTAKE VALVE TIMING CONTROL MOTOR (BANK 1) | |
| E3 | F145 | B/3 | : | ELECTRIC INTAKE VALVE TIMING CONTROL MOTOR (BANK 2) | |
| C3 | F146 | B/6 | : | ELECTRIC INTAKE VALVE TIMING CONTROL POSITION SENSOR (BANK 1) | |
| E3 | F147 | B/6 | : | ELECTRIC INTAKE VALVE TIMING CONTROL POSITION SENSOR (BANK 2) | |
| F4 | F149 | GY/1 | : | STARTER MOTOR | |
| D3 | F200 | L/4 | : | To F105 | |
| E4 | F201 | G/2 | : | KNOCK SENSOR | |
| E4 | F202 | G/2 | : | KNOCK SENSOR | |
| D1 | F203 | B/8 | : | To F107 | |
| E2 | F204 | B/6 | : | To F109 | |
| D3 | F205 | GY/2 | : | FUEL INJECTOR No. 1 | |
| D4 | F206 | GY/2 | : | FUEL INJECTOR No. 2 | |
| D3 | F207 | GY/2 | : | FUEL INJECTOR No. 3 | |
| E3 | F208 | GY/2 | : | FUEL INJECTOR No. 4 | |
| D3 | F209 | GY/2 | : | FUEL INJECTOR No. 5 | |
| E2 | F210 | GY/2 | : | FUEL INJECTOR No. 6 | |

2016/02/15

JRMIC8200GB

## Engine Control Harness (2.0 TURBO GASOLINE ENGINE)

INFOID:0000000013359082



| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| D1 | F150 | -/96 | : ECM | D2 | F179 | -/4 | : | IGNITION COIL No.1 |
| D1 | F151 | -/14 | : To E201 | D1 | F180 | -/4 | : | IGNITION COIL No.2 |
| C3 | F152 | -/2 | : COOLANT PUMP SWITCHOVER VALVE | D1 | F181 | -/4 | : | IGNITION COIL No.3 |
| E3 | F153 | -/2 | : BLOW BY SENSOR | E1 | F182 | -/4 | : | IGNITION COIL No.4 |
| E3 | F154 | -/3 | : EVAP CONTROL SYSTEM PRESSURE SENSOR | D2 | F183 | -/4 | : | HEATED OXYGEN SENSOR |
| E2 | F155 | -/2 | : KNOCK SENSOR 1 | C2 | F184 | -/6 | : | AIR FUEL RATIO (A/F) SENSOR 1 |
| E3 | F156 | -/2 | : FULL-LOAD OPERATION VENT LINE HEATER ELEMENT | D1 | F185 | -/4 | : | FUEL PRESSURE AND , |
| C3 | F157 | -/2 | : DIVERT AIR SWITCHOVER VALVE | F3 | F186 | -/3 | : | PRESURRE SENSOR UPSTREAM OF THROTTLE VALVE |
| F2 | F158 | -/2 | : CHARGE AIR TEMPERATURE SENSOR DOWNSTREAM OF THROTTLE VALVE | F2 | F187 | -/3 | : | PRESURRE SENSOR DOWNSTREAM OF THROTTLE VALVE |
| F3 | F159 | -/2 | : PARTIAL LOAD OPERATION CRANKCASE VENTILATION VALVE | C2 | F188 | -/3 | : | PRESURRE SENSOR DOWNSTREAM OF AIR FILTER |
| E3 | F160 | -/2 | : CHARGE AIR TEMPERATURE SENSOR UPSTREAM OF THROTTLE VALVE | F3 | F189 | - | : | STARTER MOTOR |
| D3 | F161 | -/2 | : BOOST PRESSURE CONTROL VACCUM TRANSDUCER | F3 | F190 | -/1 | : | ALTERNATOR |
| D2 | F162 | -/2 | : INTAKE CAMSHAFT ACTUATOR | E4 | F191 | -/3 | : | COMPRESSOR |
| D2 | F163 | -/2 | : EXHAUST CAMSHAFT ACTUATOR | | | | | |
| F2 | F164 | -/2 | : KNOCK SENSOR 2 | | | | | |
| E2 | F165 | -/2 | : ENGINE COOLANT TEMPERATURE SENSOR | | | | | |
| D2 | F166 | -/3 | : EXHAUST CAMSHAFT POSITION SENSOR | | | | | |
| E2 | F167 | -/3 | : INTAKE CAMSHAFT POSITION SENSOR | | | | | |
| D3 | F168 | -/3 | : CRANKSHAFT POSITION SENSOR | | | | | |
| F2 | F169 | -/2 | : COOLANT THERMOSTAT HEATER ELEMENT | | | | | |
| E1 | F170 | -/2 | : QUANTITY CONTROL VALVE | | | | | |
| E2 | F171 | -/2 | : FUEL INJECTOR No.1 | | | | | |
| E2 | F172 | -/2 | : FUEL INJECTOR No.2 | | | | | |
| E1 | F173 | -/2 | : FUEL INJECTOR No.3 | | | | | |
| E1 | F174 | -/2 | : FUEL INJECTOR No.4 | | | | | |
| D4,E4 | F175 | -/2 | : ENGINE OIL LEVEL SWITCH | | | | | |
| D4 | F176 | -/2 | : ENGINE OIL PUMP VALVE | | | | | |
| D1 | F177 | - | : ENGINE GROUND | | | | | |
| F3 | F178 | -/6 | : THROTTLE VALVE ACTUATOR | | | | | |

2015/11/27

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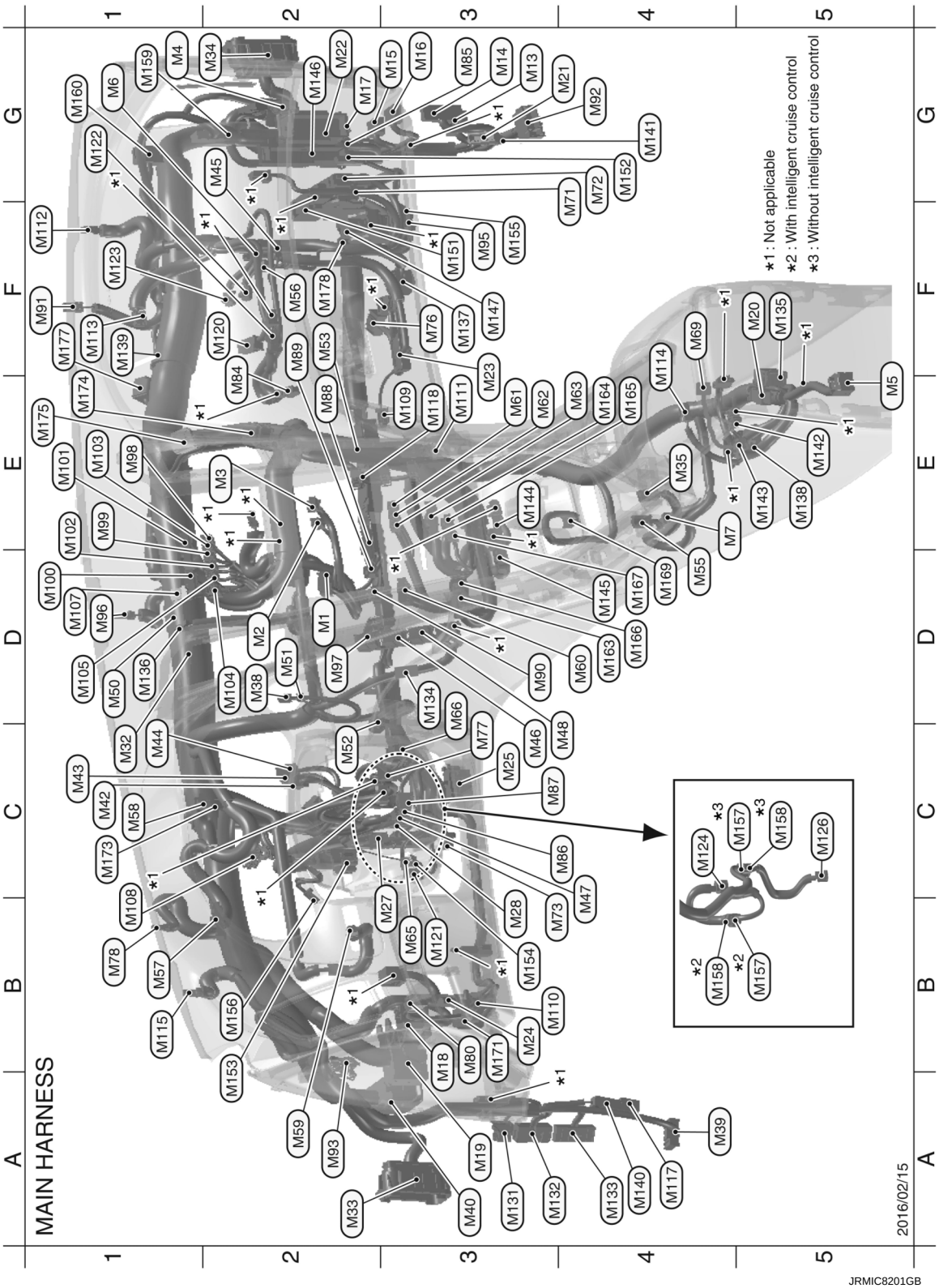
## Main Harness

INFOID:0000000012791645



| | | | | | |
|---|---|---|---|---|---|
| D2 | M1 | W/24 | : INTEGRAL SWITCH | | |
| D2 | M2 | - | : INTEGRAL SWITCH | | |
| E2 | M3 | W/12 | : INTEGRAL SWITCH | | |
| G1 | M4 | W/24 | : AFS CONTROL UNIT | | |
| E5 | M5 | FY/28 | : AIR BAG DIAGNOSIS SENSOR UNIT | | |
| G1 | M6 | W/3 | : To M128 | | |
| E4 | M7 | W/12 | : A/T SHIFT SELECTOR | | |
| G3 | M13 | G/40 | : BCM (BODY CONTROL MODULE) | | |
| G3 | M14 | B/40 | : BCM (BODY CONTROL MODULE) | | |
| G3 | M15 | GY/24 | : BCM (BODY CONTROL MODULE) | | |
| G3 | M16 | B/24 | : BCM (BODY CONTROL MODULE) | | |
| G2 | M17 | B/15 | : BCM (BODY CONTROL MODULE) | | |
| B3 | M18 | W/16 | : To B17 | | |
| A3 | M19 | W/100 | : To B18 | | |
| F5 | M20 | W/16 | : To B60 | | |
| G4 | M21 | W/24 | : To B61 | | |
| G2 | M22 | W/100 | : To B62 | | |
| E3 | M23 | W/3 | : BLOWER MOTOR | | |
| B3 | M24 | W/12 | : CAN GATEWAY | | |
| C3 | M25 | W/16 | : DATA LINK CONNECTOR | | |
| B3 | M27 | W/16 | : COMBINATION SWITCH | | |
| B3 | M28 | W/10 | : TILT & TELESCOPIC MOTOR | | |
| C1 | M32 | W/4 | : DONGLE UNIT | | |
| A2 | M33 | W/72 | : To D4 | | |
| G2 | M34 | W/72 | : To D18 | | |
| E4 | M35 | W/8 | : DRIVE MODE SELECT SWITCH | | |
| D2 | M38 | W/8 | : PUSH-BUTTON IGNITION SWITCH | | |
| A4 | M39 | W/32 | : To E47 | | |
| A3 | M40 | W/100 | : To E25 | | |
| C1 | M42 | W/16 | : AWD CONTROL UNIT | | |
| C1 | M43 | W/24 | : AUTOMATIC DRIVE POSITIONER CONTROL UNIT | | |
| C1 | M44 | W/6 | : AUTOMATIC DRIVE POSITIONER CONTROL UNIT | | |
| G2 | M45 | W/2 | : GLOVE BOX LAMP | | |
| C3 | M46 | L/4 | : HEATED SEAT RELAY | | |
| C4 | M47 | W/2 | : HEATED STEERING WHEEL | | |
| C3 | M48 | L/4 | : HEATED STEERING WHEEL RELAY | | |
| D1 | M50 | - | : DIODE | | |
| D2 | M51 | W/3 | : NATS ANTENNA AMP. | | |
| C2 | M52 | W/2 | : IN-VEHICLE SENSOR | | |
| F2 | M53 | W/2 | : INTAKE SENSOR | | |
| D4 | M55 | W/12 | : MULTIFUNCTION SWITCH | | |
| F2 | M56 | W/16 | : DRIVER ASSISTANCE BUZZER CONTROL MODULE | | |
| B1 | M57 | W/40 | : COMBINATION METER | | |
| C1 | M58 | W/12 | : COMBINATION METER | | |
| A2 | M59 | W/8 | : METER CONTROL SWITCH | | |
| D4 | M60 | W/28 | : NAVI CONTROL UNIT | | |
| E3 | M61 | - | : NAVI CONTROL UNIT | | |
| E3 | M62 | - | : NAVI CONTROL UNIT | | |
| E4 | M63 | - | : NAVI CONTROL UNIT | | |
| B3 | M65 | W/3 | : PADDLE SHIFTER (DOWN) | | |
| D3 | M66 | W/4 | : PADDLE SHIFTER (UP) | | |
| F4 | M69 | B/3 | : CONSOLE POWER SOCKET | | |
| F4 | M71 | B/32 | : STEERING FORCE CONTROL MODULE | | |
| G4 | M72 | B/2 | : STEERING FORCE CONTROL MODULE | | |
| B3 | M73 | W/8 | : FORCE MOTOR ANGLE SENSOR | | |
| F3 | M76 | W/24 | : SONAR CONTROL UNIT | | |
| C3 | M77 | W/8 | : STEERING ANGLE SENSOR | | |
| B1 | M78 | B/2 | : SUNLOAD SENSOR | | |
| B3 | M80 | B/12 | : TRIPLE SWITCH | | |
| E2 | M84 | W/2 | : TRUNK LID OPENER CANCEL SWITCH | | |

2015/11/27

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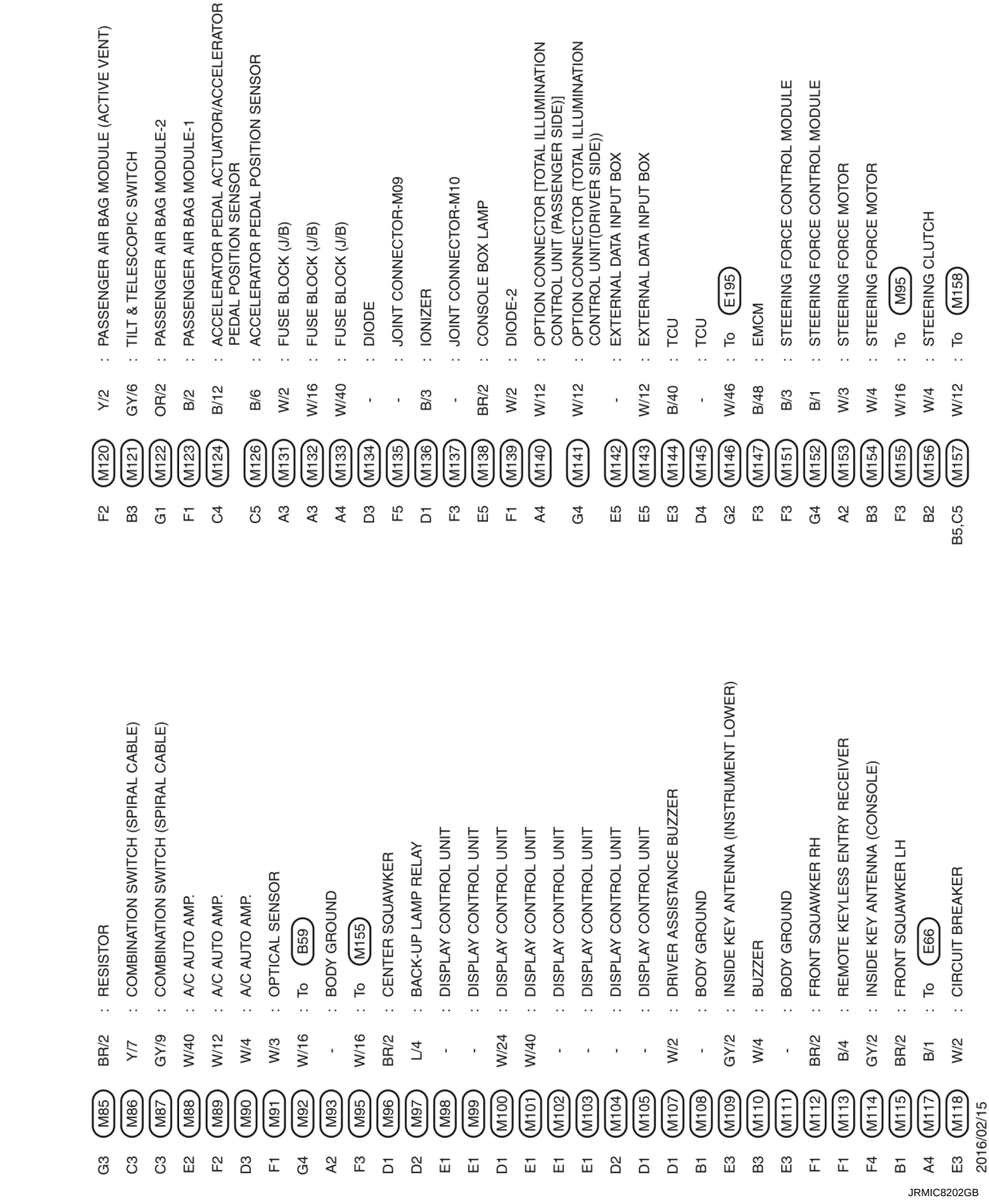
G3 M85 BR/2 : RESISTOR
C3 M86 Y/7 : COMBINATION SWITCH (SPIRAL CABLE)
C3 M87 GY/9 : COMBINATION SWITCH (SPIRAL CABLE)
E2 M88 W/40 : A/C AUTO AMP.
F2 M89 W/12 : A/C AUTO AMP.
D3 M90 W/4 : A/C AUTO AMP.
F1 M91 W/3 : OPTICAL SENSOR
G4 M92 W/16 : To B59
A2 M93 - : BODY GROUND
F3 M95 W/16 : To M155
D1 M96 BR/2 : CENTER SQUAWKER
D2 M97 L/4 : BACK-UP LAMP RELAY
E1 M98 - : DISPLAY CONTROL UNIT
E1 M99 - : DISPLAY CONTROL UNIT
D1 M100 W/24 : DISPLAY CONTROL UNIT
E1 M101 W/40 : DISPLAY CONTROL UNIT
E1 M102 - : DISPLAY CONTROL UNIT
E1 M103 - : DISPLAY CONTROL UNIT
D2 M104 - : DISPLAY CONTROL UNIT
D1 M105 - : DISPLAY CONTROL UNIT
D1 M107 W/2 : DRIVER ASSISTANCE BUZZER
B1 M108 - : BODY GROUND
E3 M109 GY/2 : INSIDE KEY ANTENNA (INSTRUMENT LOWER)
B3 M110 W/4 : BUZZER
E3 M111 - : BODY GROUND
F1 M112 BR/2 : FRONT SQUAWKER RH
F1 M113 B/4 : REMOTE KEYLESS ENTRY RECEIVER
F4 M114 GY/2 : INSIDE KEY ANTENNA (CONSOLE)
B1 M115 BR/2 : FRONT SQUAWKER LH
A4 M117 B/1 : To E66
E3 M118 W/2 : CIRCUIT BREAKER
2016/02/15
F2 M120 Y/2 : PASSENGER AIR BAG MODULE (ACTIVE VENT)
B3 M121 GY/6 : TILT & TELESCOPIC SWITCH
G1 M122 OR/2 : PASSENGER AIR BAG MODULE-2
F1 M123 B/2 : PASSENGER AIR BAG MODULE-1
C4 M124 B/12 : ACCELERATOR PEDAL ACTUATOR/ACCELERATOR PEDAL POSITION SENSOR
C5 M126 B/6 : ACCELERATOR PEDAL POSITION SENSOR
A3 M131 W/2 : FUSE BLOCK (J/B)
A3 M132 W/16 : FUSE BLOCK (J/B)
A4 M133 W/40 : FUSE BLOCK (J/B)
D3 M134 - : DIODE
F5 M135 - : JOINT CONNECTOR-M09
D1 M136 B/3 : IONIZER
F3 M137 - : JOINT CONNECTOR-M10
E5 M138 BR/2 : CONSOLE BOX LAMP
F1 M139 W/2 : DIODE-2
A4 M140 W/12 : OPTION CONNECTOR [TOTAL ILLUMINATION CONTROL UNIT (PASSENGER SIDE)]
G4 M141 W/12 : OPTION CONNECTOR (TOTAL ILLUMINATION CONTROL UNIT(DRIVER SIDE))
E5 M142 - : EXTERNAL DATA INPUT BOX
E5 M143 W/12 : EXTERNAL DATA INPUT BOX
E3 M144 B/40 : TCU
D4 M145 - : TCU
G2 M146 W/46 : To E195
F3 M147 B/48 : EMCM
F3 M151 B/3 : STEERING FORCE CONTROL MODULE
G4 M152 B/1 : STEERING FORCE CONTROL MODULE
A2 M153 W/3 : STEERING FORCE MOTOR
B3 M154 W/4 : STEERING FORCE MOTOR
F3 M155 W/16 : To M95
B2 M156 W/4 : STEERING CLUTCH
B5,C5 M157 W/12 : To M158
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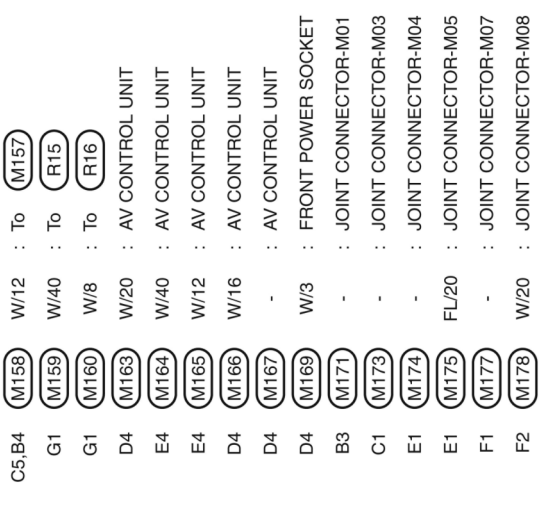
C5,B4 (M158) W/12 : To (M157)
G1 (M159) W/40 : To (R15)
G1 (M160) W/8 : To (R16)
D4 (M163) W/20 : AV CONTROL UNIT
E4 (M164) W/40 : AV CONTROL UNIT
E4 (M165) W/12 : AV CONTROL UNIT
D4 (M166) W/16 : AV CONTROL UNIT
D4 (M167) - : AV CONTROL UNIT
D4 (M169) W/3 : FRONT POWER SOCKET
B3 (M171) - : JOINT CONNECTOR-M01
C1 (M173) - : JOINT CONNECTOR-M03
E1 (M174) - : JOINT CONNECTOR-M04
E1 (M175) FL/20 : JOINT CONNECTOR-M05
F1 (M177) - : JOINT CONNECTOR-M07
F2 (M178) W/20 : JOINT CONNECTOR-M08
2015/11/27
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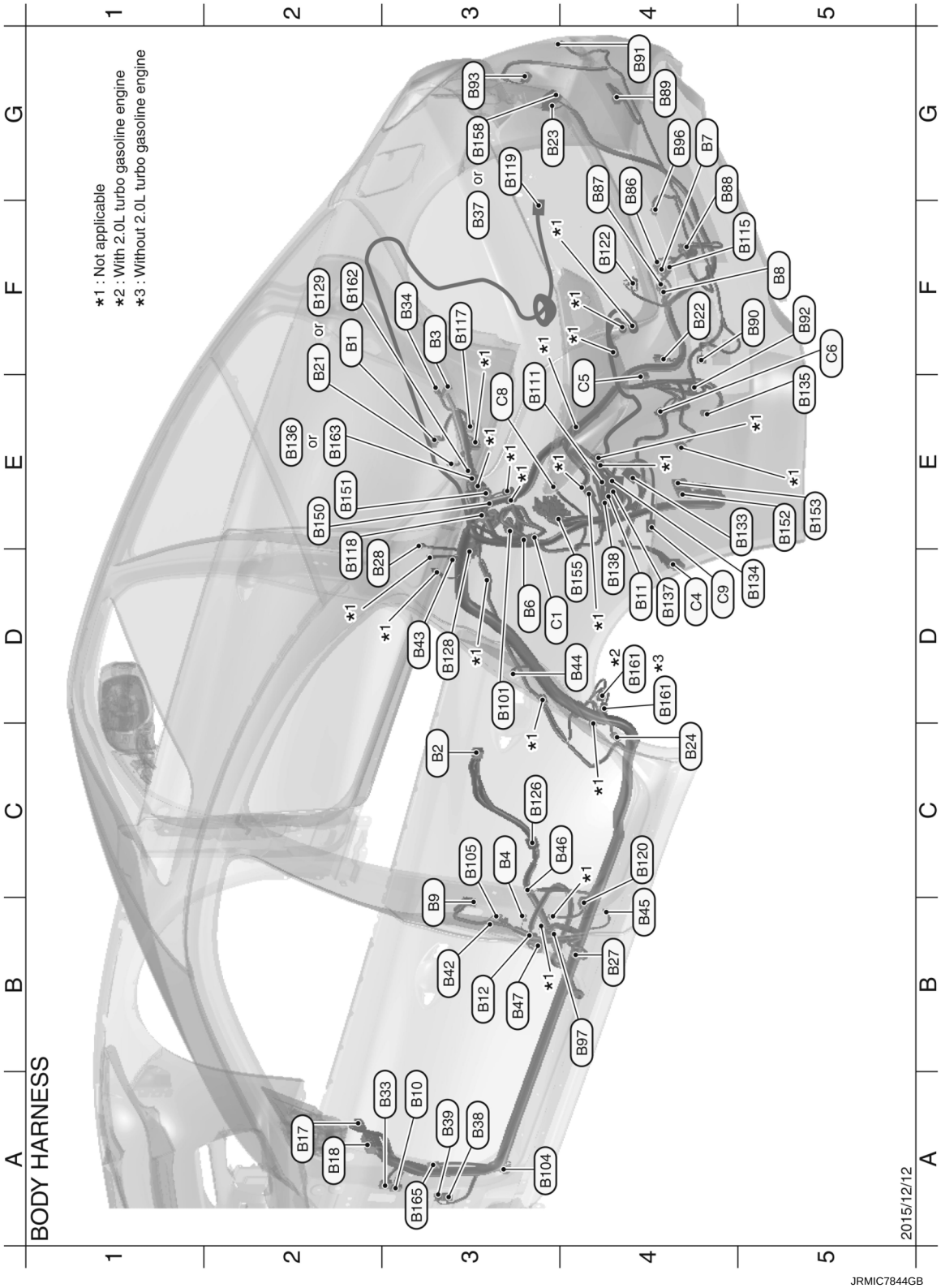
## Body Harness

INFOID:0000000012791646

BODY HARNESS



F2 B1 W/24 : ADAS CONTROL UNIT
C3 B2 FY/22 : AIR BAG DIAGNOSIS SENSOR UNIT
F3 B3 W/16 : To B52
C3 B4 W/4 : SEAT BELT BUCKLE SWITCH (DRIVER SIDE)
D3 B6 W/16 : To C1
G4 B7 W/12 : To B86
F5 B8 W/16 : To B87
B3 B9 W/20 : To D31
A3 B10 W/24 : To E3
D4 B11 B/6 : FUEL PUMP CONTROL MODULE
B3 B12 W/16 : To B600
A2 B17 W/16 : To M18
A2 B18 W/100 : To M19
F2 B21 BR/2 : SATELLITE SPEAKER LH
F4 B22 W/4 : REAR COMBINATION LAMP LH(BODY SIDE)
G3 B23 W/4 : REAR COMBINATION LAMP RH(BODY SIDE)
C4 B24 Y/2 : C-PILLAR SATELLITE SENSOR LH
B4 B27 Y/2 : B-PILLAR SATELLITE SENSOR LH
D2 B28 Y/2 : CURTAIN AIR BAG MODULE LH
A3 B33 W/6 : To E50
F3 B34 BR/2 : HIGH-MOUNTED STOP LAMP
F3 B37 W/8 : To B72
A3 B38 W/10 : FUSE BLOCK (J/B)
A3 B39 B/10 : FUSE BLOCK (J/B)
B3 B42 W/4 : FRONT DOOR SWITCH (DRIVER SIDE)
D3 B43 W/1 : CONDENSER
D4 B44 W/4 : REAR DOOR SWITCH LH
B4 B45 OR/2 : LAP PRE-TENSIONER LH
C3 B46 Y/2 : SEAT BELT PRE-TENSIONER LH
B3 B47 Y/2 : SIDE AIR BAG MODULE LH
G4 B86 W/12 : To B7
2015/11/27

G4 B87 W/16 : To B8
G4 B88 B/3 : CENTER SENSOR REAR LH
G4 B89 B/3 : CENTER SENSOR REAR RH
F5 B90 B/3 : CORNER SENSOR REAR LH
G4 B91 B/3 : CORNER SENSOR REAR RH
F5 B92 B/6 : SIDE RADAR LH
G3 B93 B/6 : SIDE RADAR RH
G4 B96 GY/2 : OUTSIDE KEY ANTENNA (REAR BUMPER)
B4 B97 W/20 : PRE-CRASH SEAT BELT CONTROL UNIT (DRIVER SIDE)
D3 B101 GY/8 : FUEL LEVEL SENSOR UNIT AND FUEL PUMP (MAIN)
A3 B104 - : BODY GROUND
C3 B105 - : BODY GROUND
E3 B111 W/4 : JOINT CONNECTOR-B11
F5 B115 W/4 : JOINT CONNECTOR-B09
F3 B117 - : JOINT CONNECTOR-B05
D2 B118 - : JOINT CONNECTOR-B04
G3 B119 B/2 : DYNAMIC DIGITAL SUSPENSION (RR)
C4 B120 - : JOINT CONNECTOR-B02
F4 B122 - : BODY GROUND
C3 B126 W/4 : JOINT CONNECTOR-B10
D3 B128 W/2 : DIODE-1
F2 B129 W/2 : REAR SPEAKER LH
E5 B133 - : FUEL PUMP CONTROL MODULE
D5 B134 - : FUEL PUMP CONTROL MODULE
E5 B135 GY/4 : CURRENT_SENS_SUB
E2 B136 L/4 : TCM RELAY
D4 B137 W/2 : SUB ELECTRIC OIL PUMP INVERTER
D4 B138 W/6 : SUB ELECTRIC OIL PUMP INVERTER

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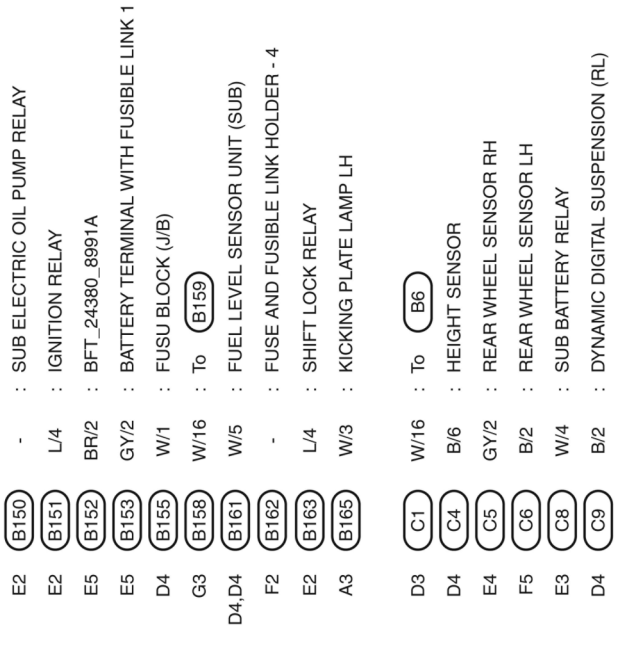
E2 B150 - : SUB ELECTRIC OIL PUMP RELAY
E2 B151 L/4 : IGNITION RELAY
E5 B152 BR/2 : BFT_24380_8991A
E5 B153 GY/2 : BATTERY TERMINAL WITH FUSIBLE LINK 1
D4 B155 W/1 : FUSU BLOCK (J/B)
G3 B158 W/16 : To B159
D4,D4 B161 W/5 : FUEL LEVEL SENSOR UNIT (SUB)
F2 B162 - : FUSE AND FUSIBLE LINK HOLDER - 4
E2 B163 L/4 : SHIFT LOCK RELAY
A3 B165 W/3 : KICKING PLATE LAMP LH
D3 C1 W/16 : To B6
D4 C4 B/6 : HEIGHT SENSOR
E4 C5 GY/2 : REAR WHEEL SENSOR RH
F5 C6 B/2 : REAR WHEEL SENSOR LH
E3 C8 W/4 : SUB BATTERY RELAY
D4 C9 B/2 : DYNAMIC DIGITAL SUSPENSION (RL)
2015/12/12
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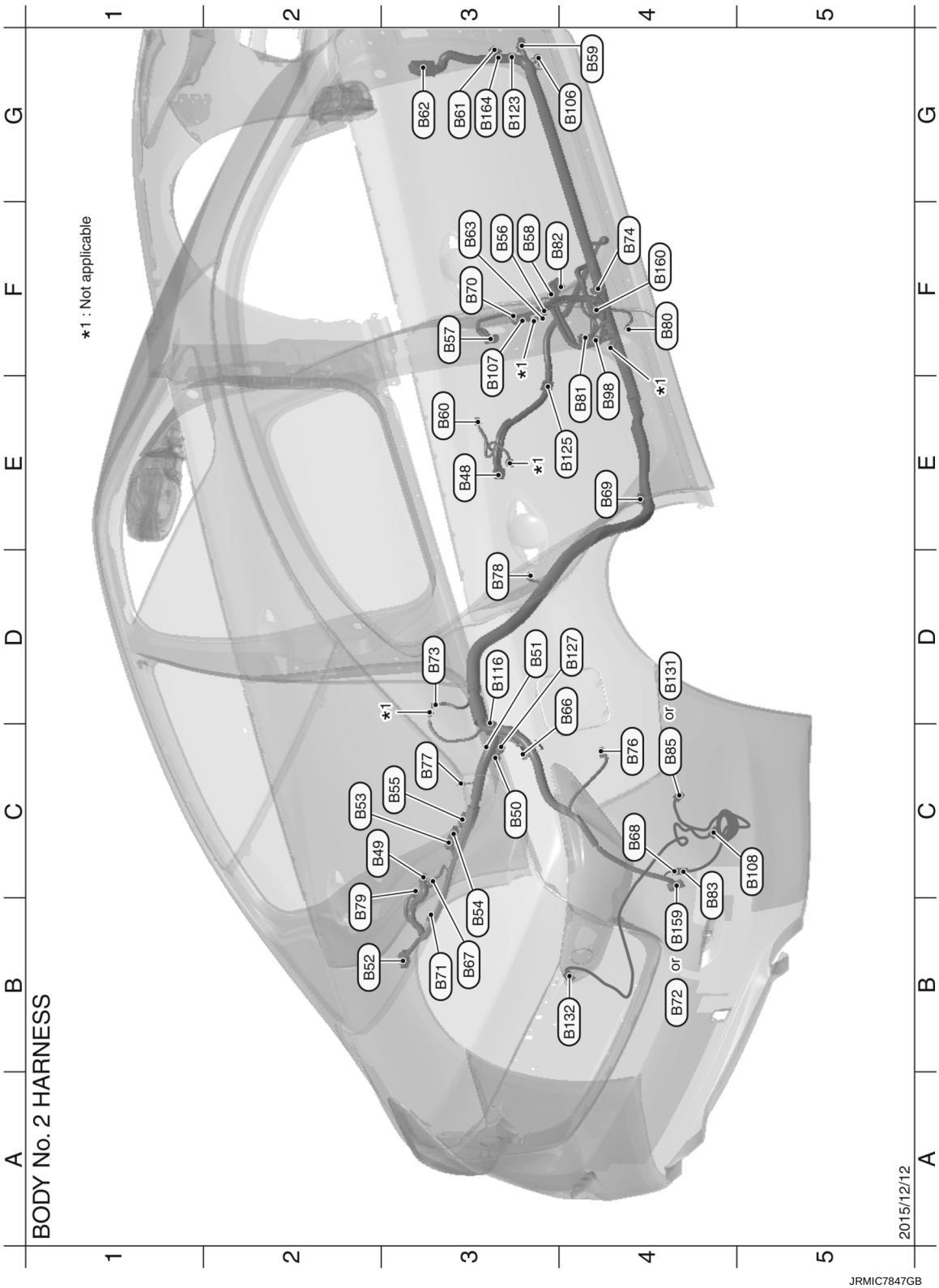
BODY No. 2 HARNESS
*1 : Not applicable
B62
B61
B164
B123
B59
B106
B63
B56
B58
B82
B74
B160
B70
B57
B107
B80
B81
B98
B60
B125
B48
B69
B78
B73
B116
B51
B127
B131
B66
B76
B85
B77
B55
B53
B50
B49
B68
B108
B79
B54
B83
B52
B71
B67
B159
B72
B132
2015/12/12
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| | | | |
|---|---|---|---|
| E3 | B48 | FY/22 | : AIR BAG DIAGNOSIS SENSOR UNIT |
| C2 | B49 | W/32 | : ACTIVE NOISE CONTROL UNIT |
| C3 | B50 | W/40 | : AROUND VIEW MONITOR CONTROL UNIT |
| D3 | B51 | W/32 | : AROUND VIEW MONITOR CONTROL UNIT |
| B2 | B52 | W/16 | : To B3 |
| C2 | B53 | BR/14 | : BOSE AMP. |
| B3 | B54 | BR/23 | : BOSE AMP. |
| C3 | B55 | W/40 | : BOSE AMP. |
| F3 | B56 | W/4 | : SEAT BELT BUCKLE SWITCH (PASSENGER SIDE) |
| F3 | B57 | W/20 | : To D40 |
| F3 | B58 | W/16 | : To B613 |
| G4 | B59 | W/16 | : To M92 |
| E3 | B60 | W/16 | : To M20 |
| G3 | B61 | W/24 | : To M21 |
| G3 | B62 | W/100 | : To M22 |
| F3 | B63 | W/8 | : OCCUPANT DETECTION SYSTEM CONTROL UNIT |
| D4 | B66 | W/16 | : To T48 |
| B3 | B67 | W/2 | : TRUNK ROOM LAMP |
| C4 | B68 | W/6 | : To B83 |
| E4 | B69 | Y/2 | : C-PILLAR SATELLITE SENSOR RH |
| F3 | B70 | W/4 | : FRONT DOOR SWITCH (PASSENGER SIDE) |
| B3 | B71 | GY/2 | : INSIDE KEY ANTENNA (TRUNK ROOM) |
| B4 | B72 | W/8 | : To B37 |
| D3 | B73 | Y/2 | : CURTAIN AIR BAG MODULE RH |
| F4 | B74 | Y/2 | : B-PILLAR SATELLITE SENSOR RH |
| C4 | B76 | W/4 | : FUEL FILLER LID LOCK ACTUATOR |
| C3 | B77 | BR/2 | : SATELLITE SPEAKER RH |
| D3 | B78 | W/4 | : REAR DOOR SWITCH RH |
| B2 | B79 | W/2 | : REAR WOOFER |
| F4 | B80 | OR/2 | : LAP PRE-TENSIONER RH |

| | | | |
|---|---|---|---|
| E4 | B81 | Y/2 | : SEAT BELT PRE-TENSIONER RH |
| F3 | B82 | Y/2 | : SIDE AIR BAG MODULE RH |
| C4 | B83 | W/6 | : To B68 |
| C4 | B85 | B/2 | : EVAP CANISTER VENT CONTROL VALVE |
| E4 | B98 | W/20 | : PRE-CRASH SEAT BELT CONTROL UNIT (PASSENGER SIDE) |
| G4 | B106 | - | : BODY GROUND |
| F3 | B107 | - | : BODY GROUND |
| C5 | B108 | GY/3 | : EVAP CONTROL SYSTEM PRESSURE SENSOR |
| D3 | B116 | - | : JOINT CONNECTOR-B06 |
| G3 | B123 | W/4 | : JOINT CONNECTOR-B01 |
| E4 | B125 | W/4 | : JOINT CONNECTOR-B08 |
| D4 | B127 | G/20 | : JOINT CONNECTOR-B03 |
| D4 | B131 | B/2 | : EVAP CANISTER VENT CONTROL VALVE |
| B4 | B132 | L/3 | : FUEL TANK PRESSURE SENSOR |
| B4 | B159 | W/16 | : To B158 |
| F4 | B160 | W/4 | : JOINT CONNECTOR-B12 |
| G3 | B164 | W/3 | : KICKING PLATE LAMP RH |

2016/01/21

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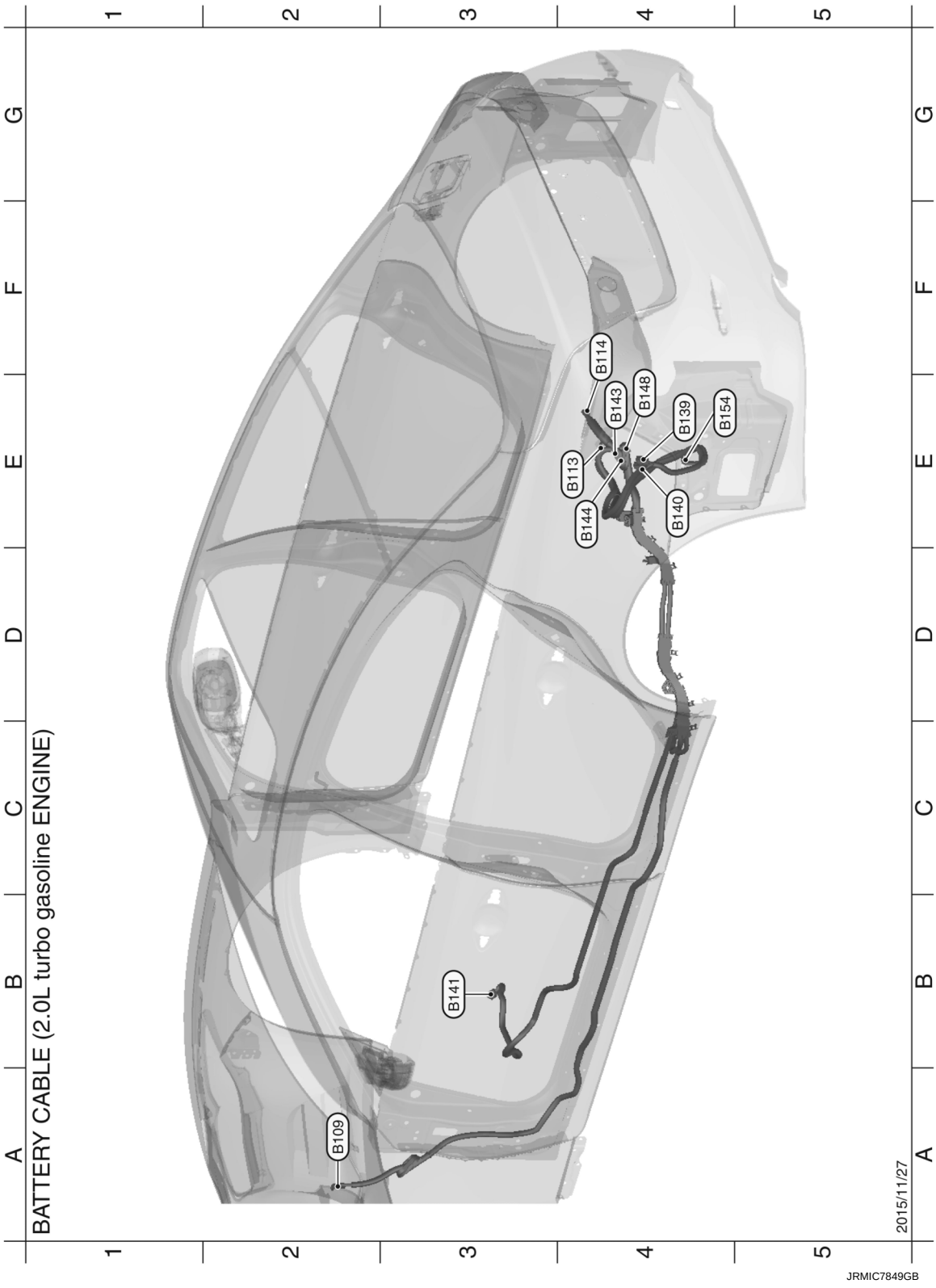
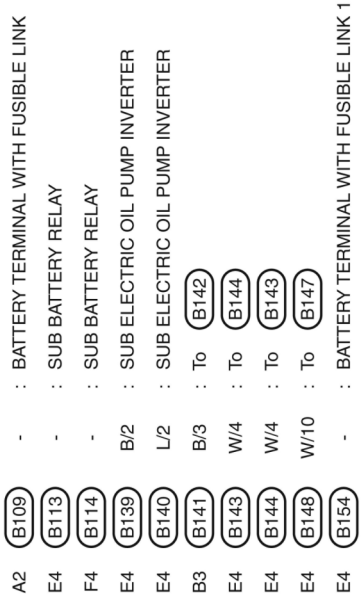
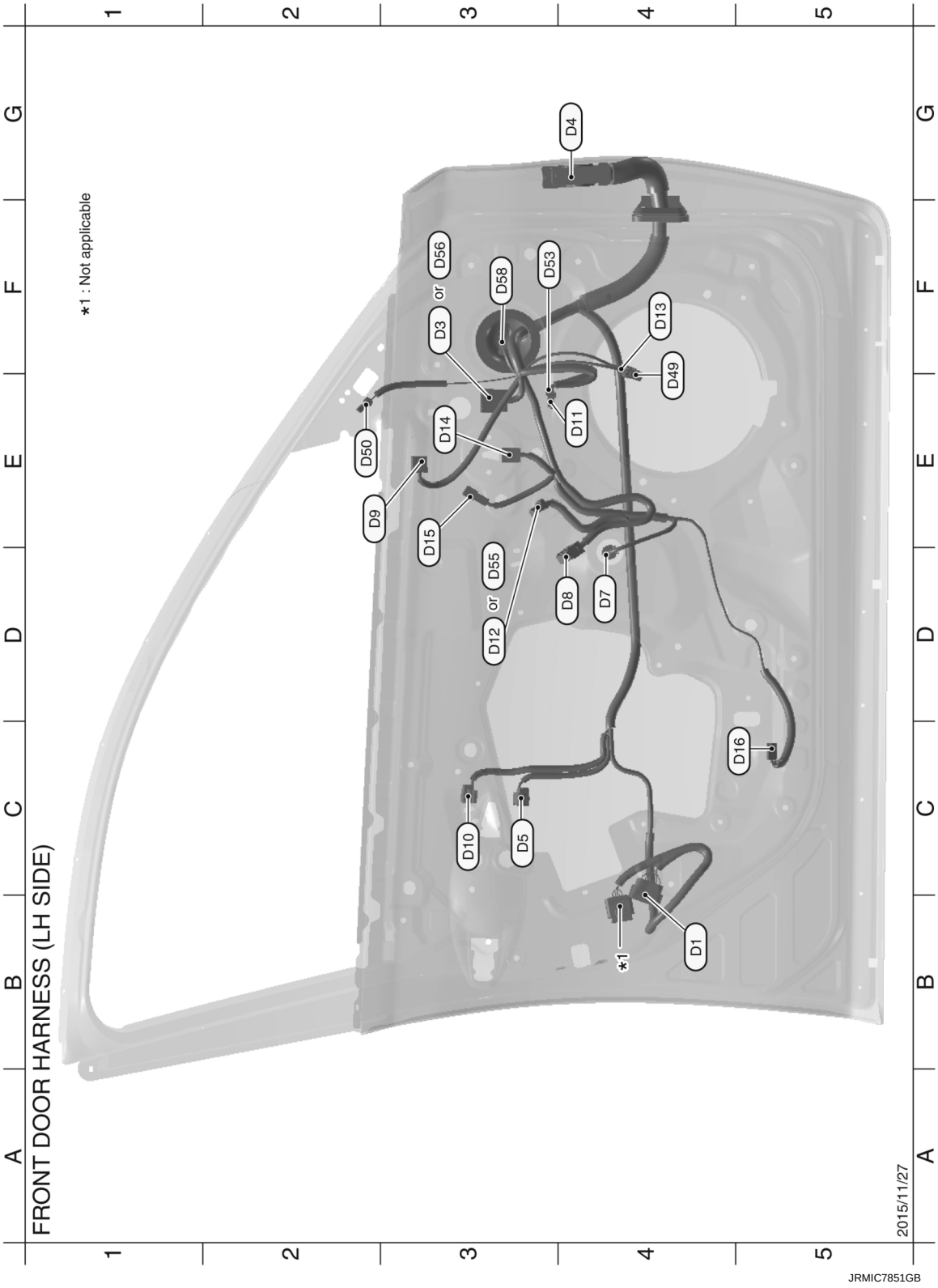

BATTERY CABLE (2.0L turbo gasoline ENGINE)
B109
B141
B113
B114
B143
B148
B139
B154
B144
B140
2015/11/27
JRMIC7849GB


A2 B109 - : BATTERY TERMINAL WITH FUSIBLE LINK
E4 B113 - : SUB BATTERY RELAY
F4 B114 - : SUB BATTERY RELAY
E4 B139 B/2 : SUB ELECTRIC OIL PUMP INVERTER
E4 B140 L/2 : SUB ELECTRIC OIL PUMP INVERTER
B3 B141 B/3 : To B142
E4 B143 W/4 : To B144
E4 B144 W/4 : To B143
E4 B148 W/10 : To B147
E4 B154 - : BATTERY TERMINAL WITH FUSIBLE LINK 1
2015/11/27
JRMIC7850GB

## Door Harness

INFOID:0000000012791647

FRONT DOOR HARNESS (LH SIDE)



B4 (D1) GY/6 : FRONT DOOR LOCK ASSEMBLY (DRIVER SIDE)

F3 (D3) W/24 : DOOR MIRROR (DRIVER SIDE)

G4 (D4) W/72 : To (M33)

C3 (D5) B/4 : FRONT OUTSIDE HANDLE ASSEMBLY (DRIVER SIDE)

D4 (D7) W/7 : FRONT POWER WINDOW MOTOR (DRIVER SIDE)

D4 (D8) W/16 : POWER WINDOW MAIN SWITCH

E2 (D9) W/16 : SEAT MEMORY SWITCH

C3 (D10) GY/4 : FRONT ONE TOUCH UNLOCK SENSOR ASSEMBLY (DRIVER SIDE)

E4 (D11) BR/2 : FRONT DOOR SQUAWKER LH

D3 (D12) W/12 : POWER WINDOW MAIN SWITCH(DOOR MIRROR REMOTE CONTROL SWITCH)

F4 (D13) W/2 : FRONT DOOR SPEAKER LH

E3 (D14) Y/2 : FRONT DOOR SATELLITE SENSOR LH

E3 (D15) W/4 : BLIND SPOT WARNING/BLIND SPOT INTERVENTION INDICATOR LH

C5 (D16) W/2 : STEP LAMP (DRIVER SIDE)

E4 (D49) W/2 : FRONT DOOR WOOFER LH

E2 (D50) BR/2 : TWEETER LH

F3 (D53) BR/2 : FRONT DOOR SQUAWKER LH

D3 (D55) W/12 : POWER WINDOW MAIN SWITCH(DOOR MIRROR REMOTE CONTROL SWITCH)

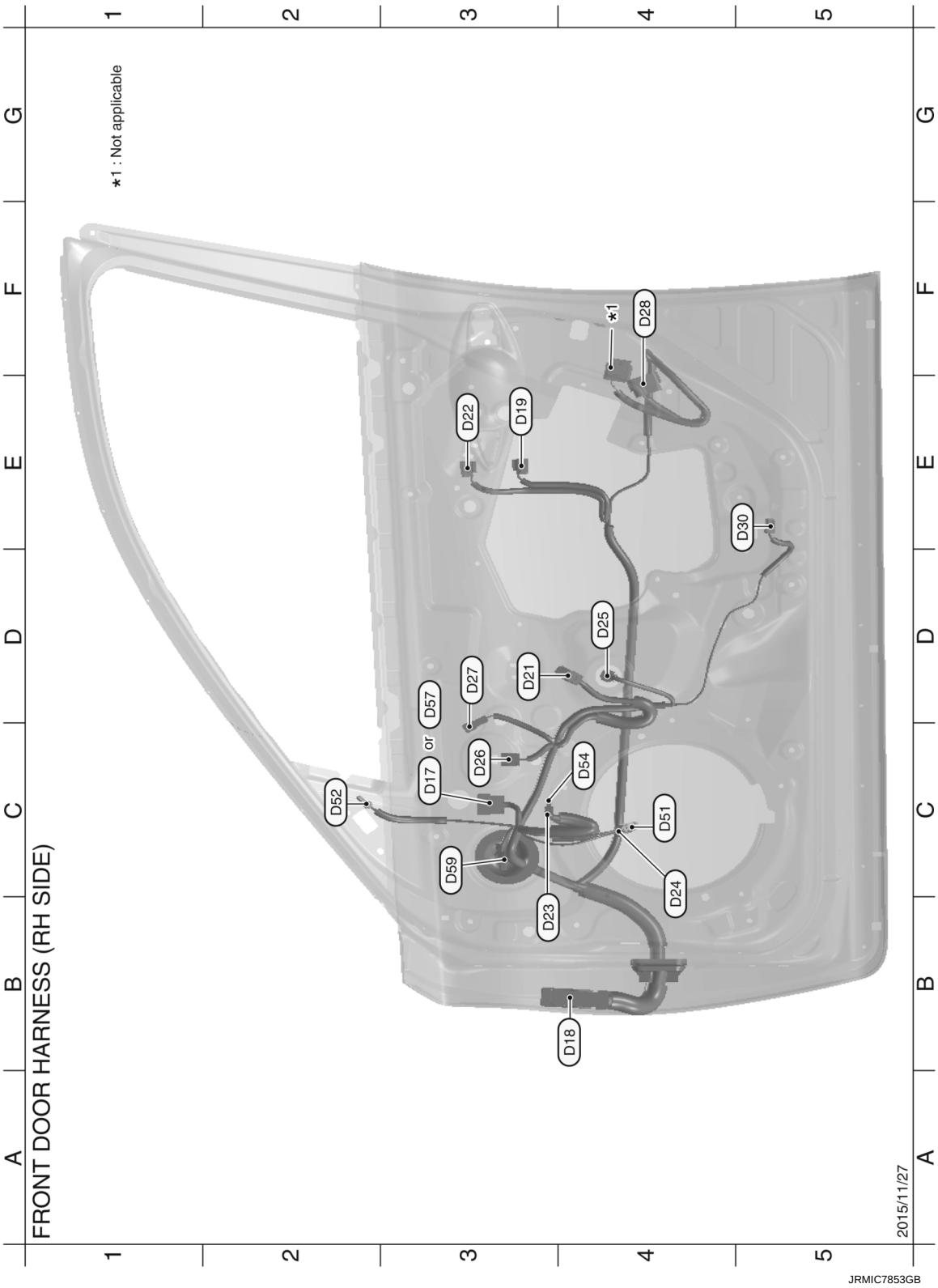
F3 (D56) W/24 : DOOR MIRROR (DRIVER SIDE)

F3 (D58) W/6 : JOINT CONNECTOR-D01

2015/11/27

JRMIC7852GB

FRONT DOOR HARNESS (RH SIDE)

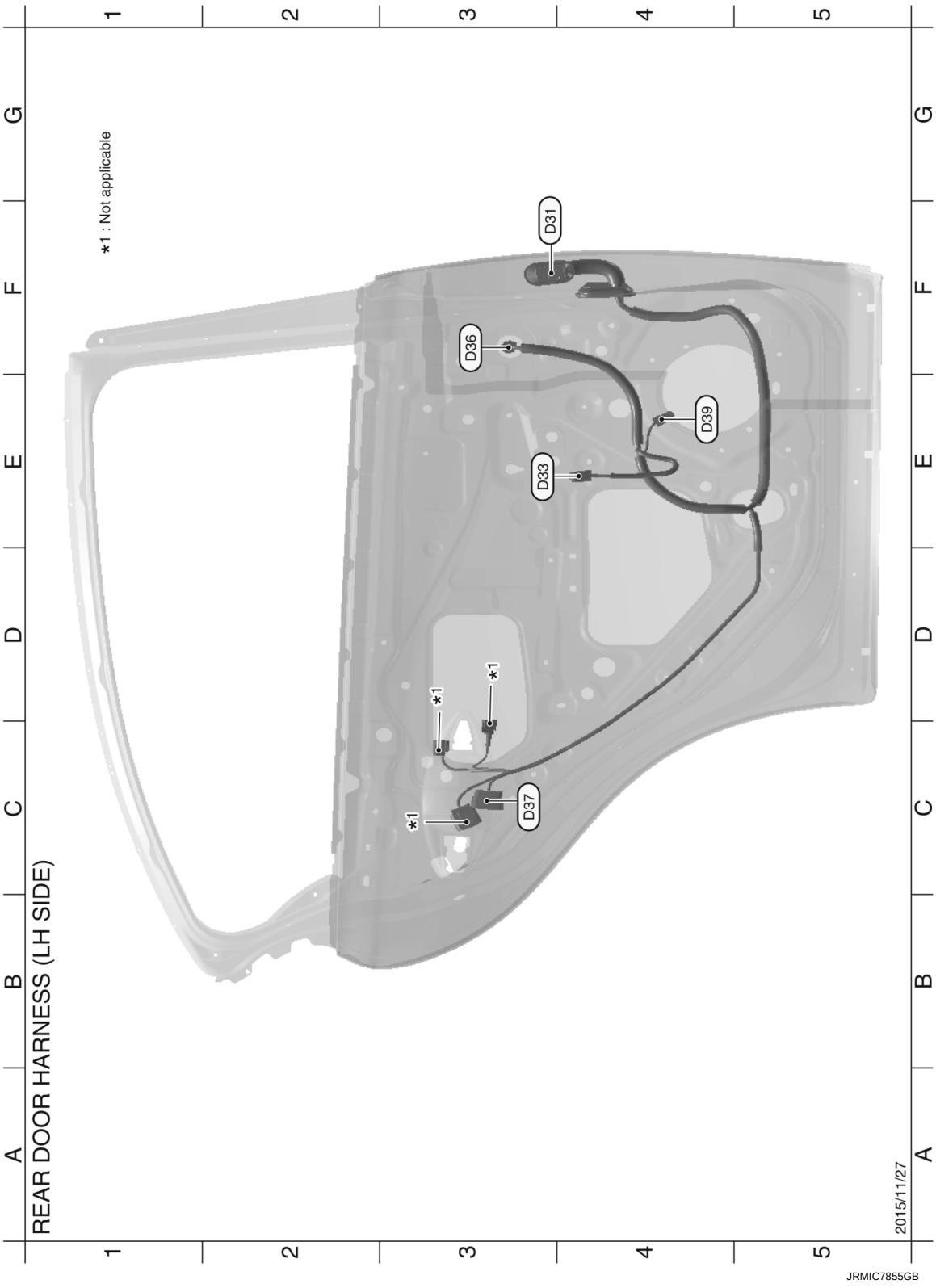


| | | | | |
|---|---|---|---|---|
| C3 | D17 | W/24 | : | DOOR MIRROR (PASSENGER SIDE) |
| B4 | D18 | W/72 | : | To M34 |
| E3 | D19 | B/4 | : | FRONT OUTSIDE HANDLE ASSEMBLY(PASSENGER SIDE) |
| D3 | D21 | W/16 | : | FRONT POWER WINDOW SWITCH (PASSENGER SIDE) |
| E3 | D22 | GY/4 | : | FRONT ONE TOUCH UNLOCK SENSOR ASSEMBLY (PASSENGER SIDE) |
| B3 | D23 | BR/2 | : | FRONT DOOR SQUAWKER RH |
| C4 | D24 | W/2 | : | FRONT DOOR SPEAKER RH |
| D4 | D25 | W/7 | : | FRONT POWER WINDOW MOTOR (PASSENGER SIDE) |
| C3 | D26 | Y/2 | : | FRONT DOOR SATELLITE SENSOR RH |
| D3 | D27 | W/4 | : | BLIND SPOT WARNING/BLIND SPOT INTERVENTION INDICATOR RH |
| F4 | D28 | GY/6 | : | FRONT DOOR LOCK ASSEMBLY (PASSENGER SIDE) |
| E5 | D30 | W/2 | : | STEP LAMP (PASSENGER SIDE) |
| C4 | D51 | W/2 | : | FRONT DOOR WOOFER RH |
| C2 | D52 | BR/2 | : | TWEETER RH |
| C4 | D54 | BR/2 | : | FRONT DOOR SQUAWKER RH |
| D3 | D57 | W/24 | : | DOOR MIRROR (PASSENGER SIDE) |
| C3 | D59 | W/6 | : | JOINT CONNECTOR-D02 |

2015/11/27

JRMIC7854GB

REAR DOOR HARNESS (LH SIDE)

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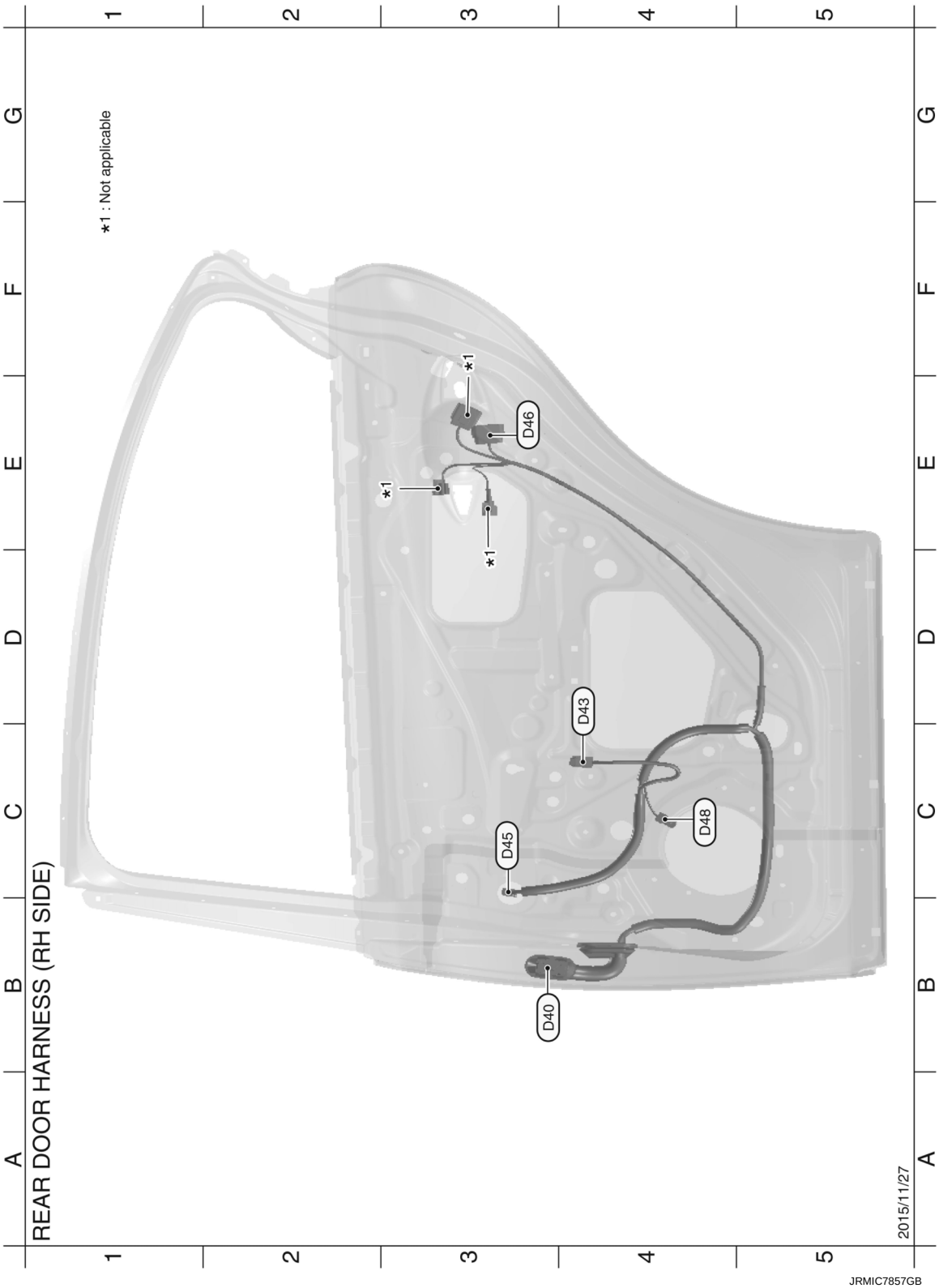
REAR DOOR HARNESS (RH SIDE)




2015/11/27

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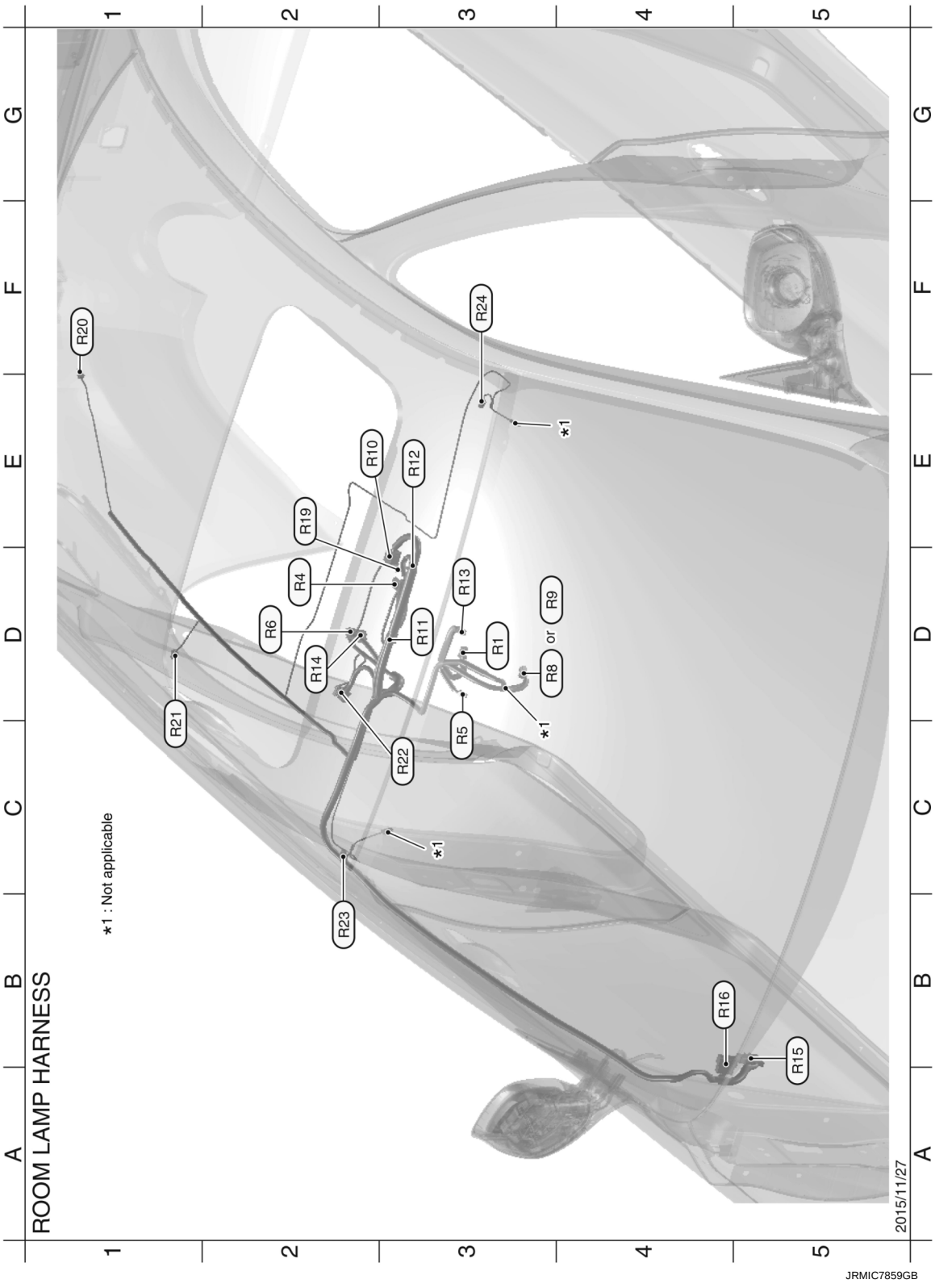
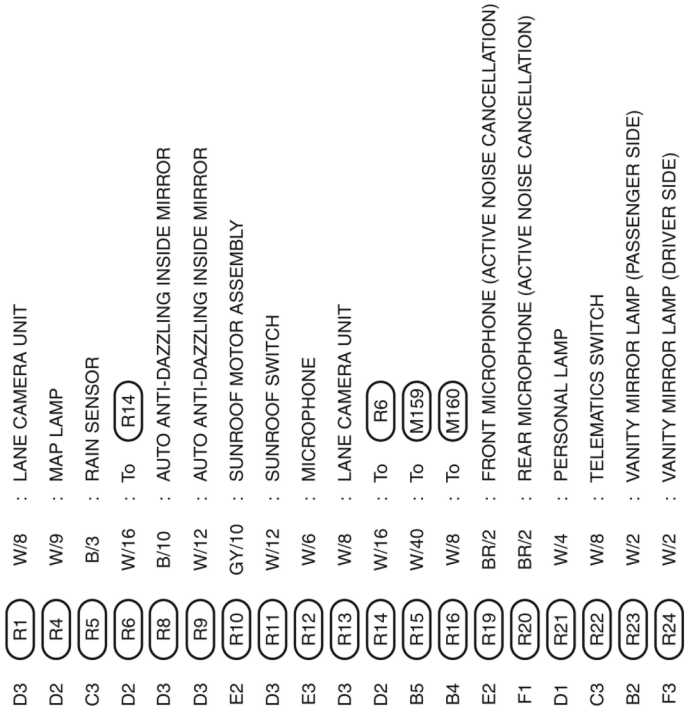
## Room Lamp Harness

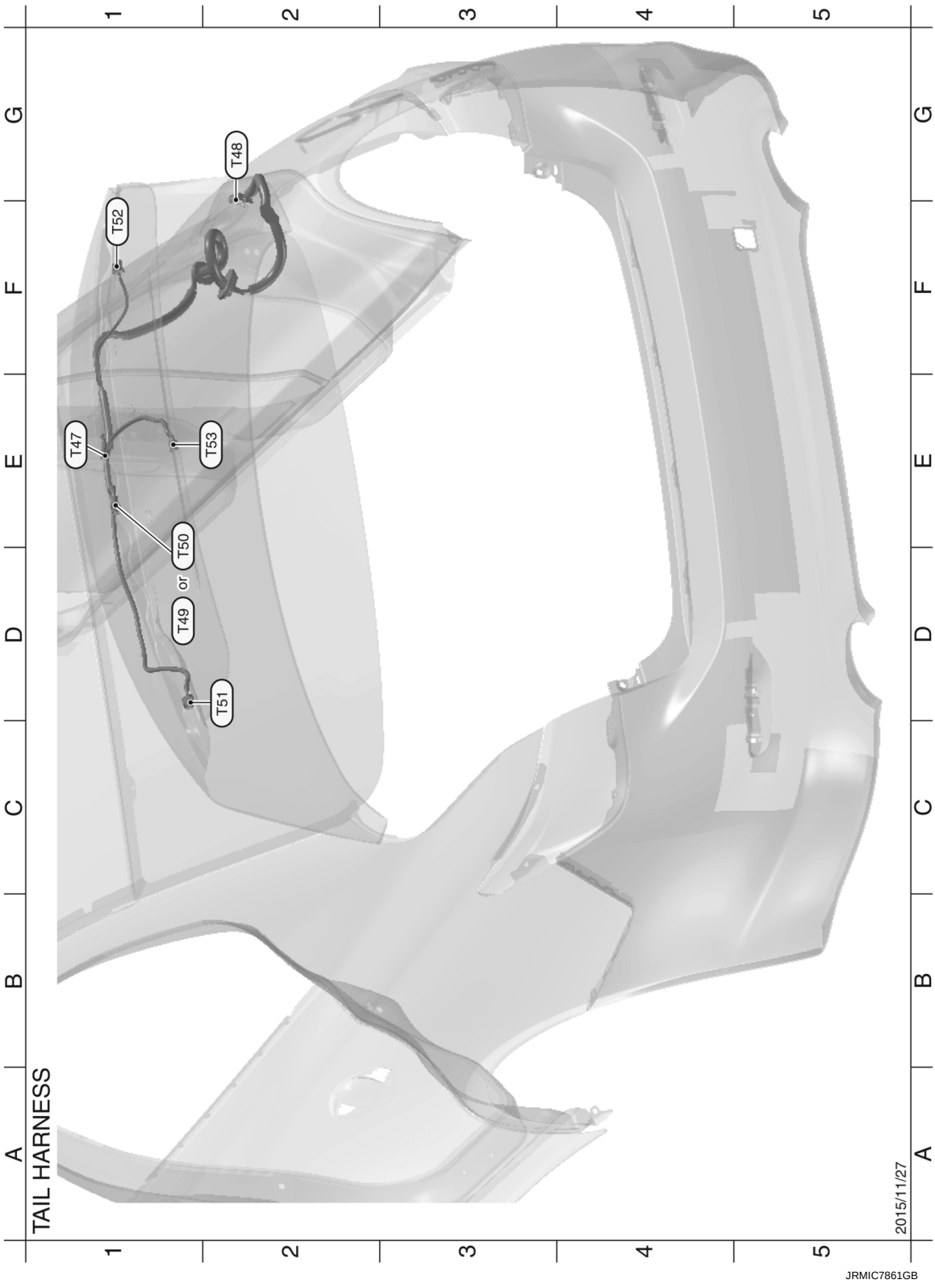
INFOID:0000000012791648

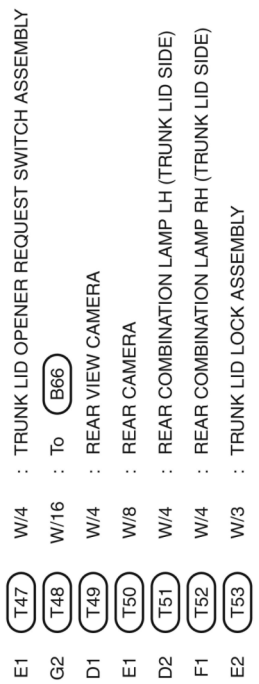



D3 R1 W/8 : LANE CAMERA UNIT
D2 R4 W/9 : MAP LAMP
C3 R5 B/3 : RAIN SENSOR
D2 R6 W/16 : To R14
D3 R8 B/10 : AUTO ANTI-DAZZLING INSIDE MIRROR
D3 R9 W/12 : AUTO ANTI-DAZZLING INSIDE MIRROR
E2 R10 GY/10 : SUNROOF MOTOR ASSEMBLY
D3 R11 W/12 : SUNROOF SWITCH
E3 R12 W/6 : MICROPHONE
D3 R13 W/8 : LANE CAMERA UNIT
D2 R14 W/16 : To R6
B5 R15 W/40 : To M159
B4 R16 W/8 : To M160
E2 R19 BR/2 : FRONT MICROPHONE (ACTIVE NOISE CANCELLATION)
F1 R20 BR/2 : REAR MICROPHONE (ACTIVE NOISE CANCELLATION)
D1 R21 W/4 : PERSONAL LAMP
C3 R22 W/8 : TELEMATICS SWITCH
B2 R23 W/2 : VANITY MIRROR LAMP (PASSENGER SIDE)
F3 R24 W/2 : VANITY MIRROR LAMP (DRIVER SIDE)
2015/11/27
JRMIC7860GB

## Tail Harness

INFOID:0000000012791649






2015/11/27

JRMIC7862GB

# BASIC INSPECTION

## BATTERY INSPECTION

## VR30DDTT

### VR30DDTT : How to Handle Battery

INFOID:0000000013389223

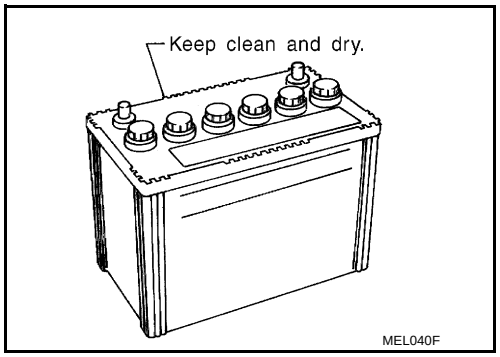
**CAUTION:**

- **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.**

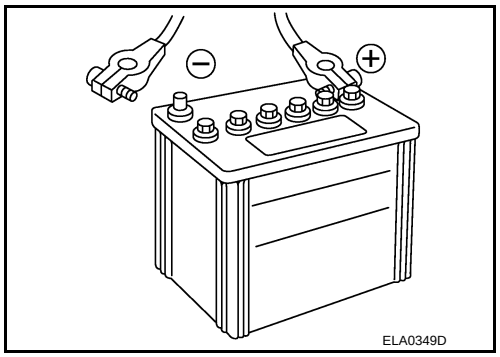
#### METHODS OF PREVENTING OVER-DISCHARGE

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.)




### VR30DDTT : Work Flow

INFOID:0000000013389224

#### 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.

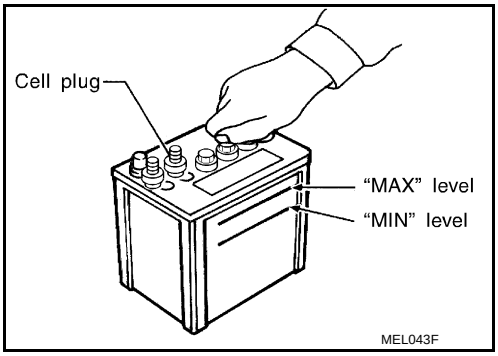
#### BATTERY DIAGNOSIS WITHOUT EXP-800 NI OR GR8-1200 NI

Check Electrolyte Level

**WARNING:**

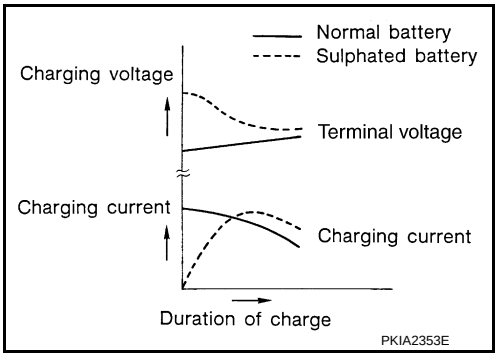
**Never allow battery fluid to come in contact with skin, eyes, fabrics, or painted surfaces. After touching a battery, never touch or rub your eyes until you have thoroughly washed your hands. If acid contacts eyes, skin or clothing, immediately flush with water for 15 minutes and seek medical attention.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

- 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.**



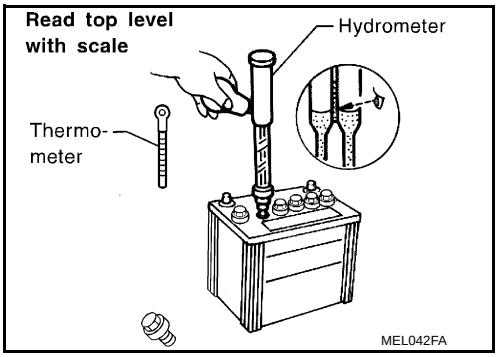

Specific Gravity Check

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

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

Charging The Battery

**CAUTION:**

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

Charging Rates (Standard Charge)

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

Charging Rates (Quick Charge)

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

**NOTE:**

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

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

## 2.0L TURBO GASOLINE ENGINE

## 2.0L TURBO GASOLINE ENGINE : How to Handle Battery

INFOID:0000000013389133

### MAIN BATTERY

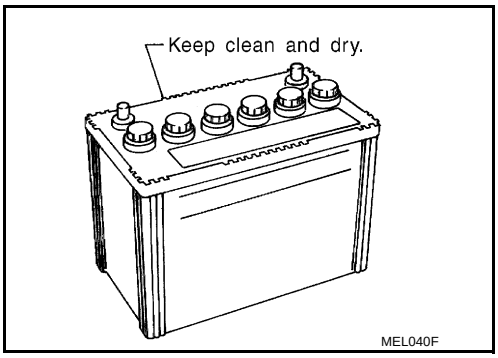
**CAUTION:**

- **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.**

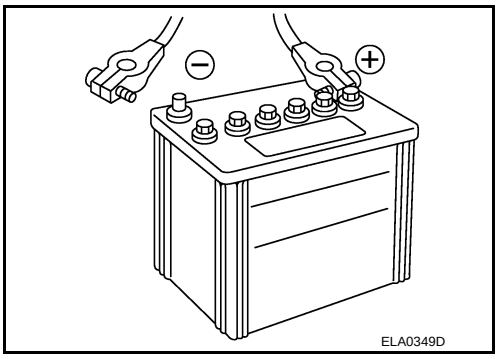
Methods of preventing over-discharge

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.)




### SUB BATTERY

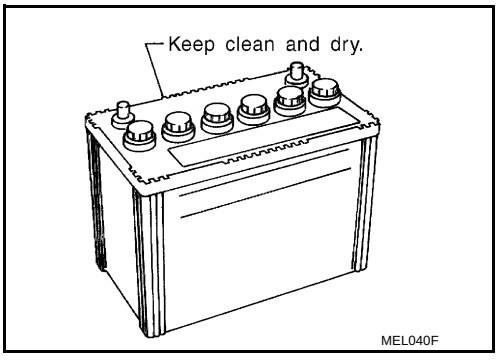
**CAUTION:**

- **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.**

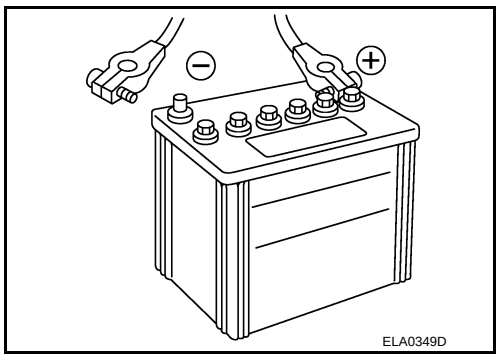
Methods of preventing over-discharge

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.



- 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.)




## 2.0L TURBO GASOLINE ENGINE : Work Flow

INFOID:0000000013389134

MAIN BATTERY

### 1.CHECK BATTERY (USE CONSULT)

Check the battery, using CONSULT. Refer to EC4-961, "Diagnosis Procedure".

Is the check result normal?

YES >> GO TO 2.
NO >> Replace battery. Refer to PG-261, "2.0L TURBO GASOLINE ENGINE : Removal and Installation".

### 2.CHECK BATTERY (USE EXP-800 NI OR GR8-1200 NI)

Check the battery, using EXP-800 NI OR GR8-1200 NI.

Is the check result normal?

YES >> INSPECTION END (The battery is normal.)
NO >> Replace battery. Refer to PG-261, "2.0L TURBO GASOLINE ENGINE : Removal and Installation".

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.

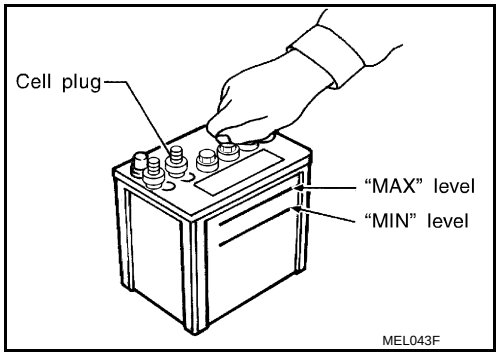
BATTERY DIAGNOSIS WITHOUT EXP-800 NI OR GR8-1200 NI

Check Electrolyte Level

**WARNING:**

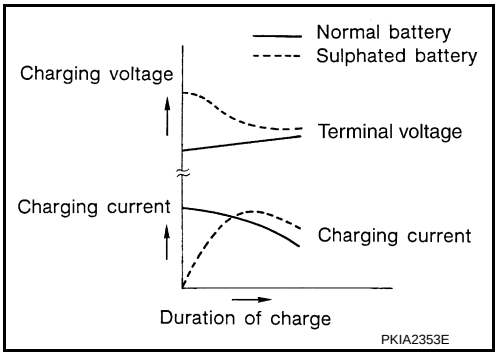
**Never allow battery fluid to come in contact with skin, eyes, fabrics, or painted surfaces. After touching a battery, never touch or rub your eyes until you have thoroughly washed your hands. If acid contacts eyes, skin or clothing, immediately flush with water for 15 minutes and seek medical attention.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

- 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.**



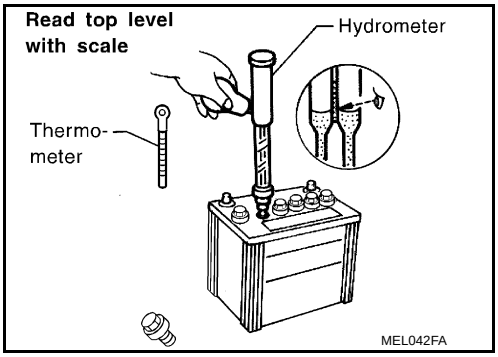

Specific Gravity Check

**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 |
| 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 |

| Corrected specific gravity | Approximate charge condition |
|---|---|
| 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 | 6 | 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 | 16 | 0.5 |
| 1/2 charged | 32 | |
| 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.

SUB BATTERY

1. CHECK BATTERY (USE CONSULT)

Check the battery, using CONSULT. Refer to EC4-961, "Diagnosis Procedure".

Is the check result normal?

YES >> GO TO 2.

NO >> Replace battery. Refer to PG-261, "2.0L TURBO GASOLINE ENGINE : Removal and Installation".

2. CHECK BATTERY (USE EXP-800 NI OR GR8-1200 NI)

Check the battery, using EXP-800 NI OR GR8-1200 NI.

Is the check result normal?

YES >> INSPECTION END (The battery is normal.)

NO >> Replace battery. Refer to PG-261, "2.0L TURBO GASOLINE ENGINE : Removal and Installation".

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.

**CAUTION:**

**For gas leakage, remove the 12V battery from the vehicle to charge in a well-ventilated area.**

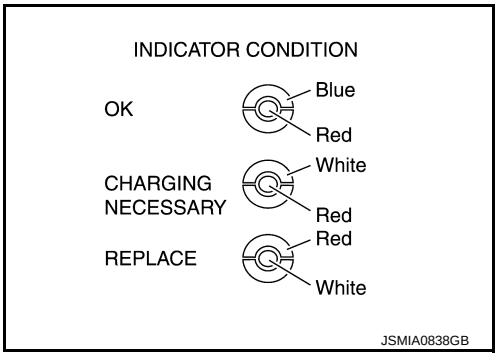
BATTERY DIAGNOSIS WITH EXP-800 NI OR GR8-1200 NI

Check the Battery Indicator

Check the indicator placed at the top of battery to judge the battery state. If the battery state is “CHARGING NECESSARY” charge the battery according to “Charging The Battery”.

**NOTE:**

If indicator is hard to check, remove battery from vehicle.




Charging The Battery

**CAUTION:**

- **For gas leakage, remove the battery from the vehicle to charge in a well-ventilated area.**
- **There are two charging methods: Quick charging and standard charging.**
  **“Standard charging” is used for recovering the state of charge.**
  **“Quick charging” restores the battery to the state capable of engine start and the READY state.**
- **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.**
- **While charging the battery, maintain 12V battery temperature as follows:**
  **Standard charging: 45 °C (113 °F) or less**
  **Quick charging: 55 °C (131 °F) or less**
- **Maintain charging voltage at 15 V or less during battery charge.**

Charging Rates (Standard Charge)

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

Charging Rates (Quick Charge)

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

**NOTE:**

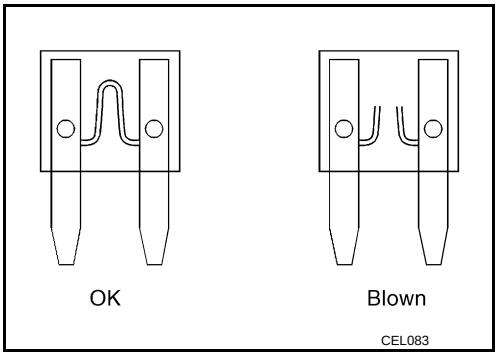
- The battery indicator shows “OK” at the completion of battery charging.
- The ammeter reading on your battery charger will automatically decrease as the battery charges. This indicates that the voltage of the battery is increasing normally as the state of charge improves. The charging amps indicated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

# FUSE INSPECTION

## How To Check

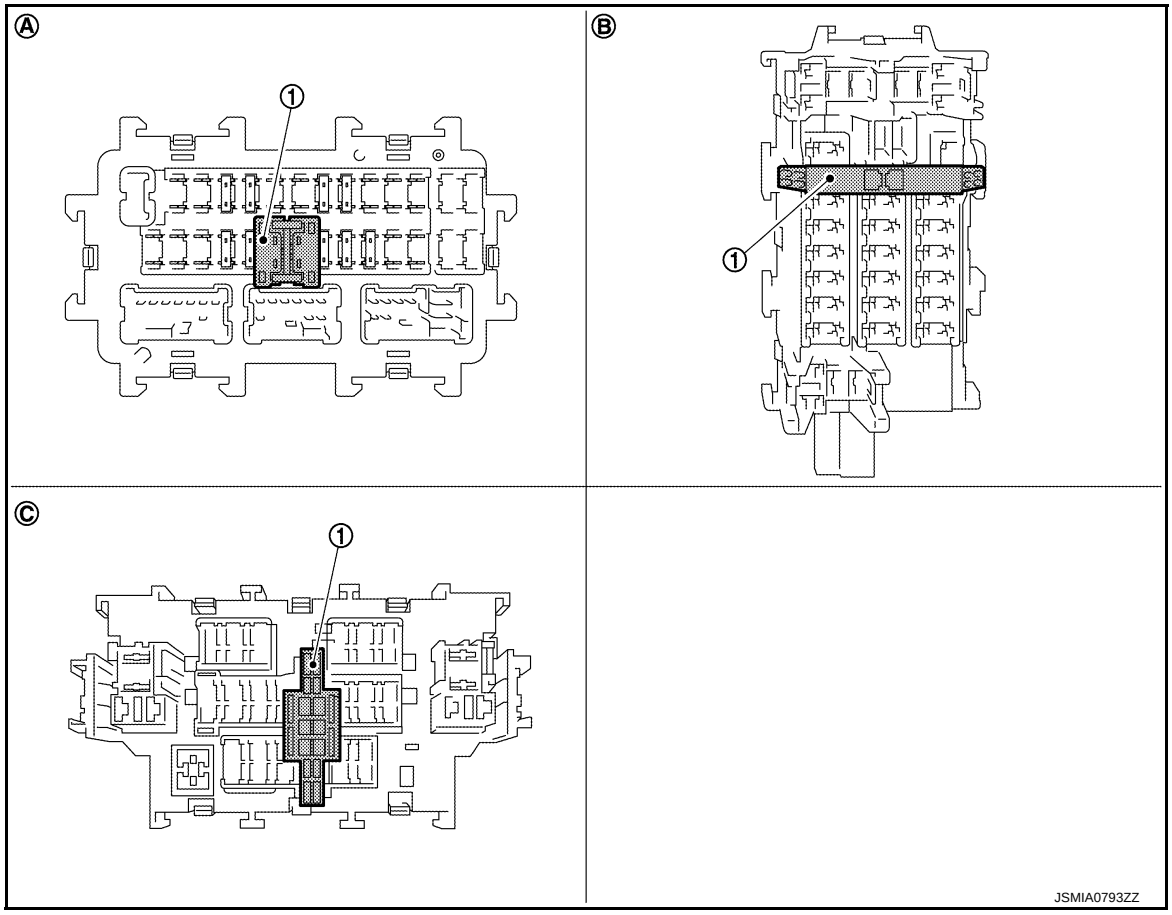
INFOID:0000000012791652

- 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

Ⓐ Type A  Ⓑ Type B  Ⓒ Type C

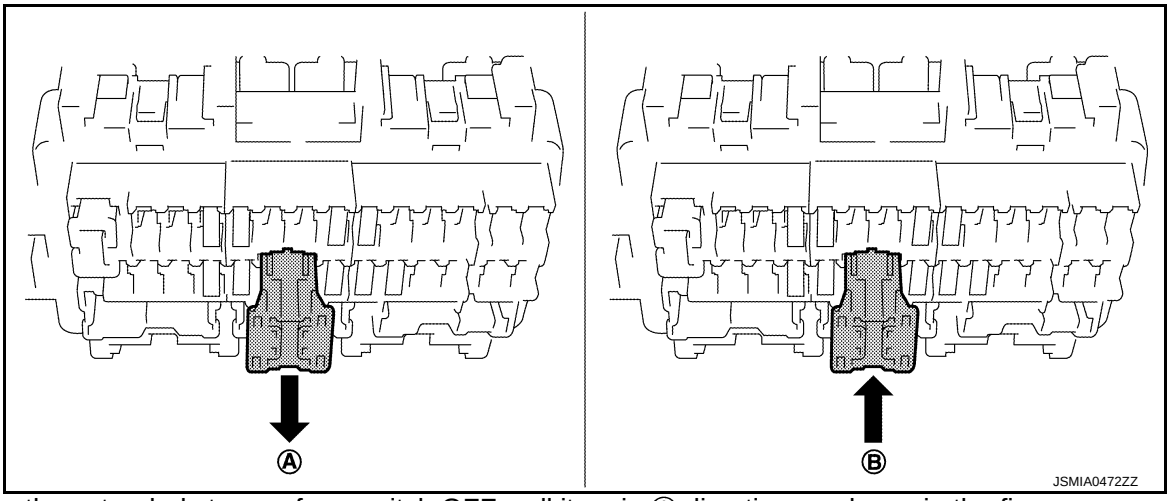
Remove the extended storage fuse switch if it causes the interference when checking fuses.

How To Extended Storage Fuse Switch ON/OFF

**CAUTION:**

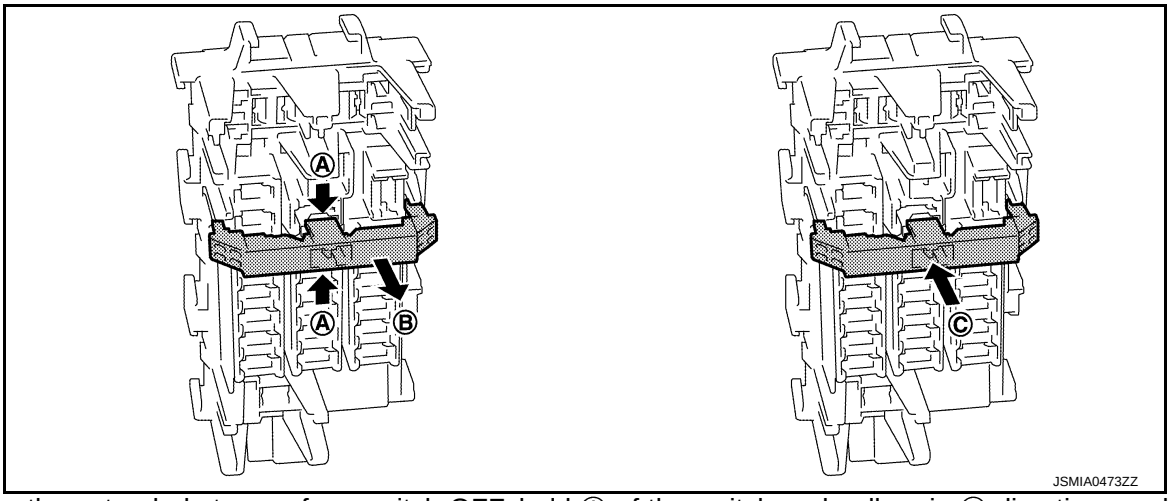
- **Turn the ignition switch OFF when operating the extended storage fuse switch.**
- **Under normal conditions, keep the extended storage fuse switch in ON state. Never operate the extended storage fuse switch except when necessary.**

- Type A



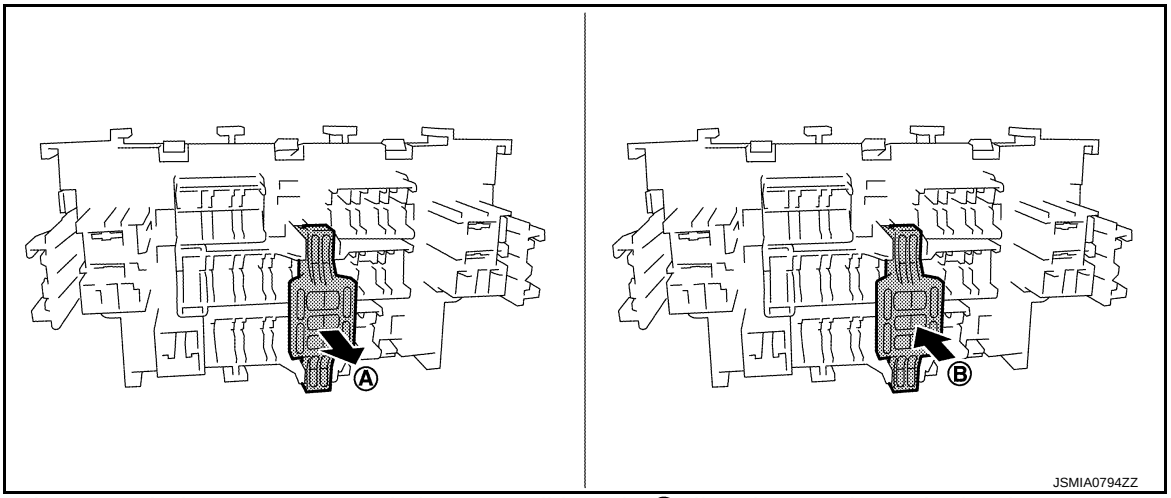

- To turn the extended storage fuse switch OFF, pull it up in Ⓐ direction as shown in the figure.
- To turn the extended storage fuse switch ON, press it in Ⓑ direction as shown in the figure.

- Type B




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

- Type C

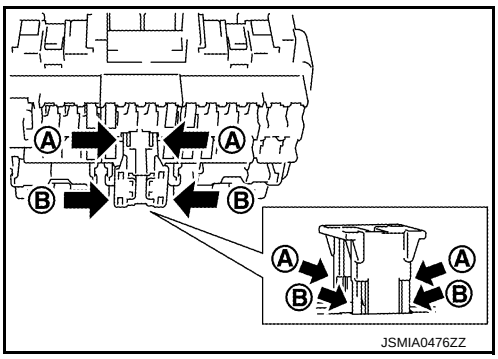



- To turn the extended storage fuse switch OFF, pull it up in Ⓐ direction as shown in the figure.
- To turn the extended storage fuse switch ON, press it in Ⓑ direction as shown in the figure.

How To Remove Extended Storage Fuse Switch

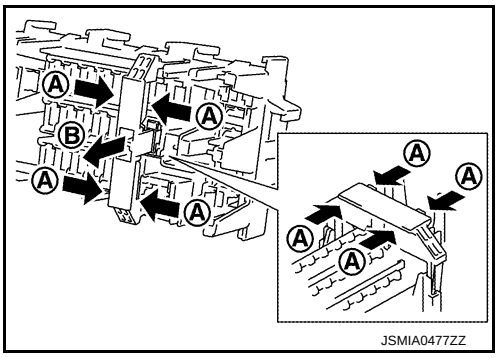
Type A

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




**CAUTION:**
**Never use fuse for bus bar.**
**NOTE:**
- Extended storage fuse switch and bus bar are removed together. Remove bus bar from extended storage fuse switch, if necessary.
- Install removed bus bar to fuse block.
- Extended storage fuse switch is for transportation and storage. Reinstallation is not required after the removal.

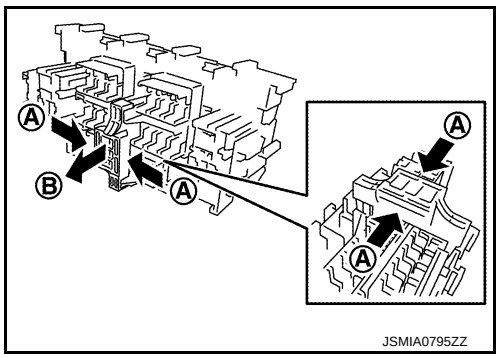
Type B
1. Turn the ignition switch OFF.
2. Turn the extended storage fuse switch OFF.
3. Hold Ⓐ and pull up the extended storage fuse switch hard in Ⓑ direction.




**CAUTION:**
**Never use fuse for bus bar.**
**NOTE:**
- Extended storage fuse switch and bus bar may be removed together. Remove bus bar from extended storage fuse switch, if necessary.
- Install removed bus bar to fuse block.
- 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 Ⓐ and pull up the extended storage fuse switch hard in Ⓑ direction.




**CAUTION:**
**Never use fuse for bus bar.**
**NOTE:**
- Extended storage fuse switch and bus bar are removed together. Remove bus bar from extended storage fuse switch, if necessary.
- Install removed bus bar to fuse block.
- Extended storage fuse switch is for transportation and storage. Reinstallation is not required after the removal.

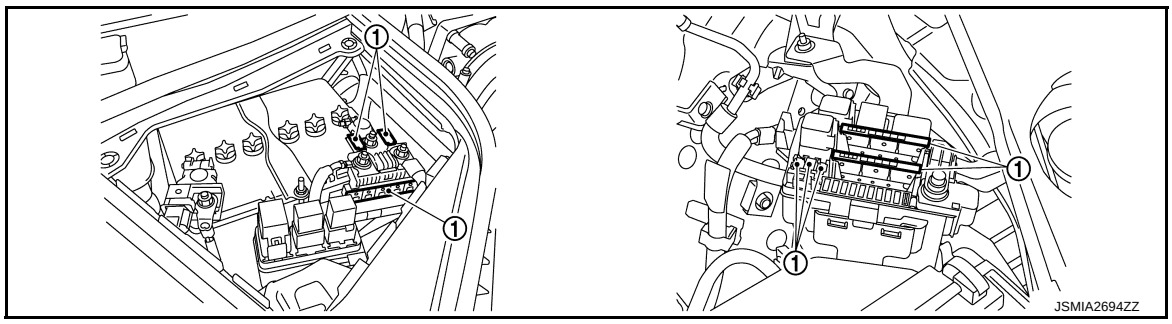
# FUSIBLE LINK INSPECTION

## VR30DDTT

### VR30DDTT : How To Check

INFOID:0000000013389226

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:**

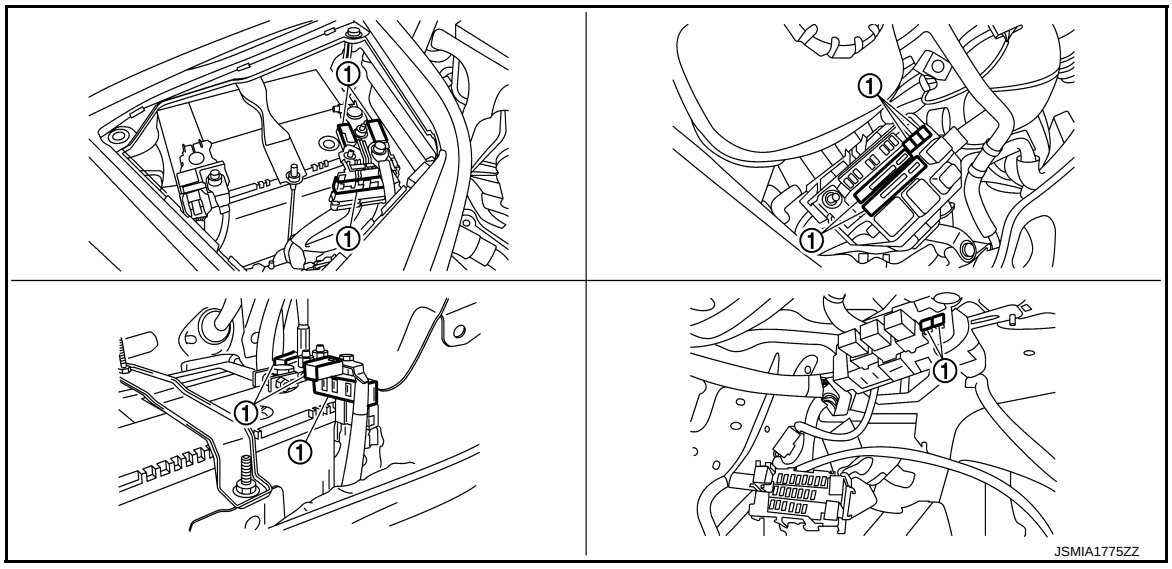
- **If fusible link should melt, it is possible that critical circuit (power supply or large current carrying circuit) is shorted. In such a case, carefully check and eliminate cause of malfunction.**
- **Never wrap outside of fusible link with vinyl tape. Important: Never let fusible link touch any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

## 2.0L TURBO GASOLINE ENGINE

### 2.0L TURBO GASOLINE ENGINE : How To Check

INFOID:0000000013389149

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.**

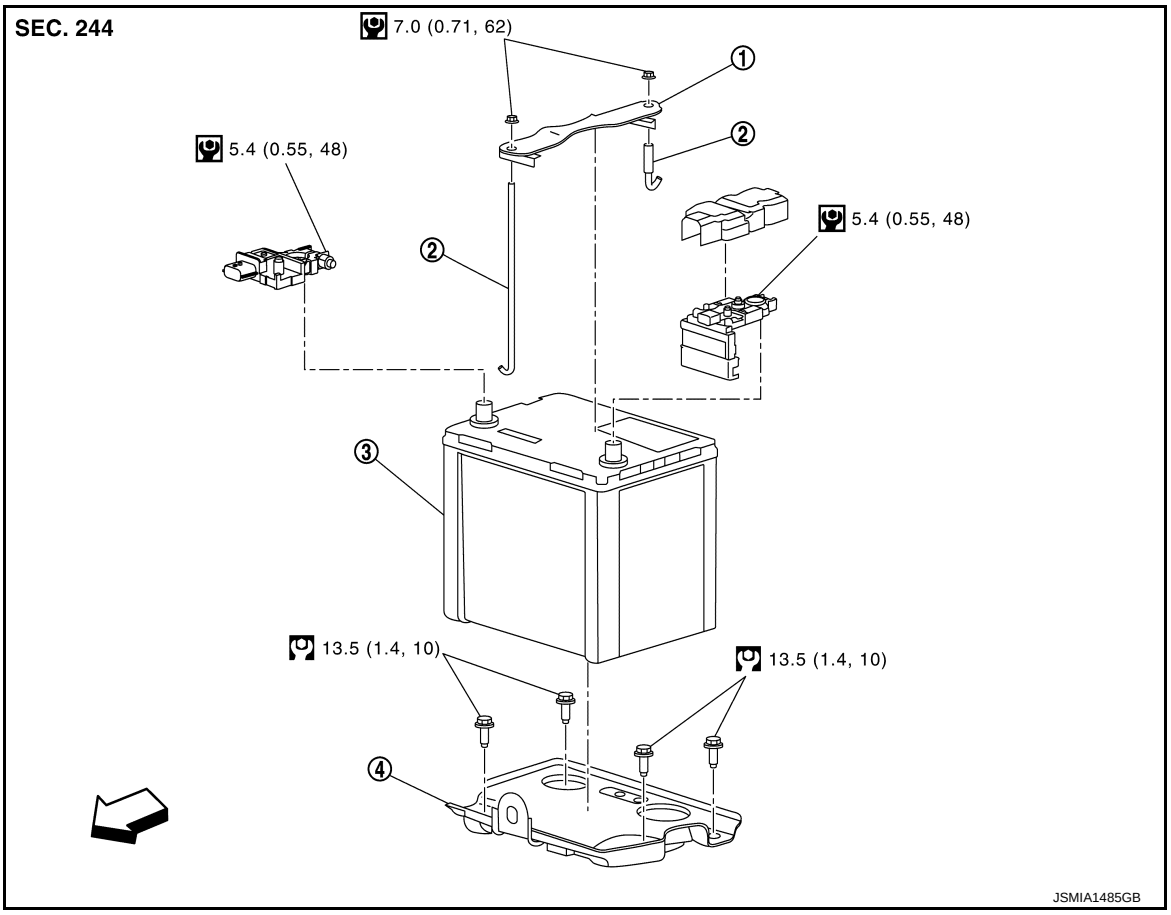
# REMOVAL AND INSTALLATION

## BATTERY

### VR30DDTT

### VR30DDTT : Exploded View

INFOID:0000000013389227




① Battery fix frame
② Battery fix rod
③ Battery
④ Battery tray
⇦ : Vehicle front
: N·m (kg-m, ft-lb)
: N·m (kg-m, in-lb)

### VR30DDTT : Removal and Installation

INFOID:0000000013389228

REMOVAL

1. Remove cowl top cover RH. Refer to EXT-27, "Removal and Installation".
2. Disconnect the battery cable from the negative terminal. Refer to PG-5, "Precautions for Removing Battery Terminal" and PG-259, "VR30DDTT : Exploded View".
   **CAUTION:**
   **To prevent damage to the parts, disconnect the battery cable from the negative terminal first.**
3. Remove cover of battery positive terminal.
4. Disconnect the battery cable from the positive terminal.
5. Remove battery fix frame mounting nuts and battery fix frame.

6. Remove battery.
7. Remove battery tray mounting bolts and battery tray.

## INSTALLATION

Install in the reverse order of removal.

**CAUTION:**

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

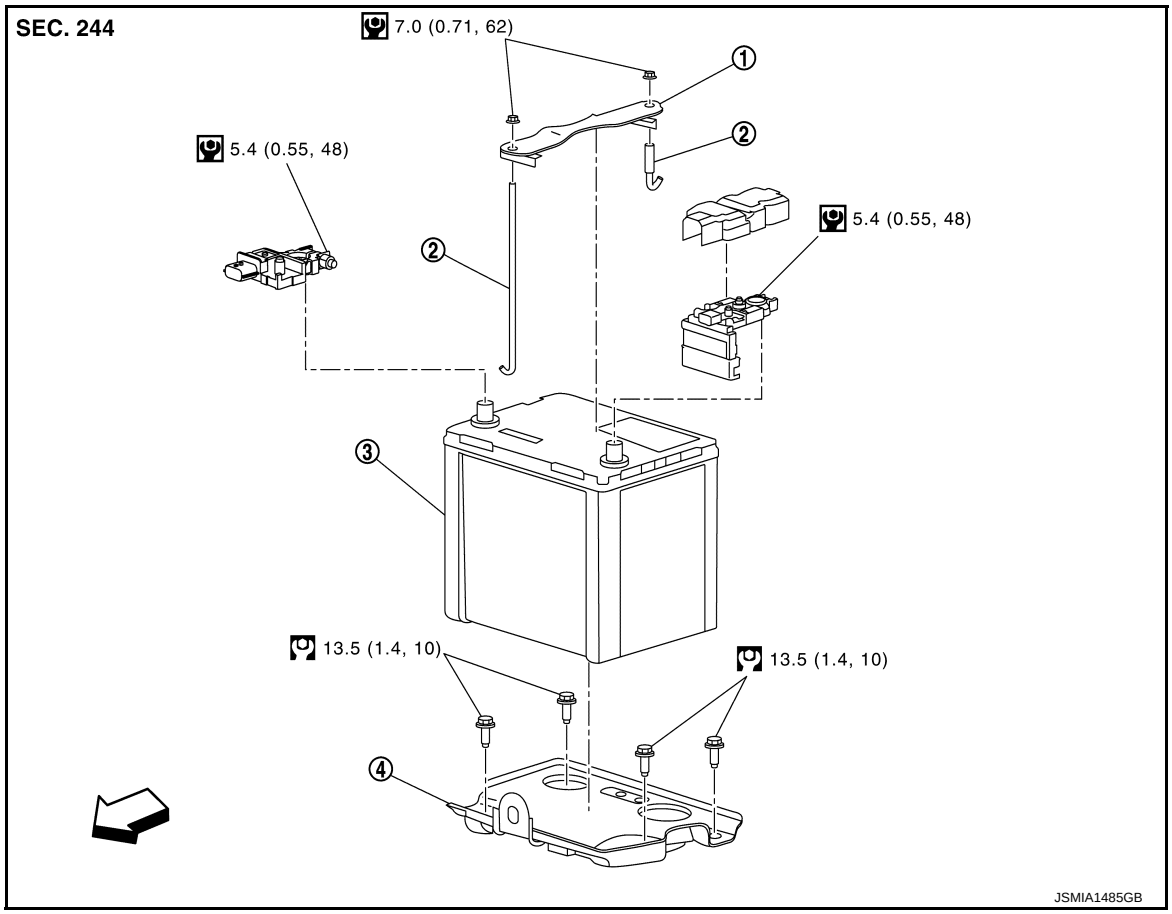
Reset electronic systems as necessary. Refer to GI-131, "ADDITIONAL SERVICE WHEN REMOVING BATTERY NEGATIVE TERMINAL : Required Procedure After Battery Disconnection".

# 2.0L TURBO GASOLINE ENGINE

## 2.0L TURBO GASOLINE ENGINE : Exploded View

INFOID:0000000013389167

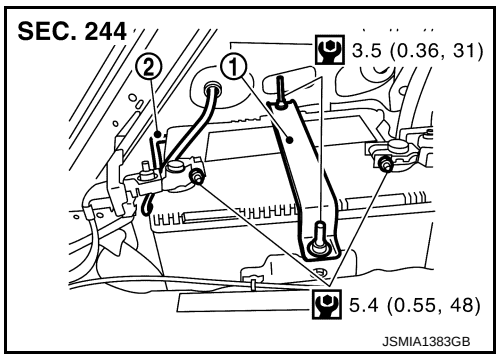
### MAIN BATTERY




① Battery fix frame
② Battery fix rod
③ Main battery
④ Battery tray
⇦ : Vehicle front
: N·m (kg-m, ft-lb)
: N·m (kg-m, in-lb)

### SUB BATTERY

① : Battery fix frame
② : Battery vent tube
: N·m (kg-m, in-lb)




## 2.0L TURBO GASOLINE ENGINE : Removal and Installation

INFOID:0000000013389168

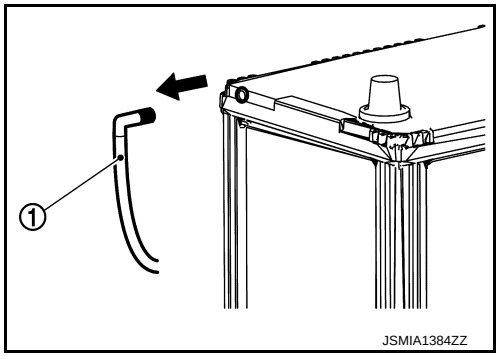
### REMOVAL

Main battery

1. Remove cowl top cover RH. Refer to EXT-27, "Removal and Installation".
2. Disconnect the battery cable from the negative terminal. Refer to PG-5, "Precautions for Removing Battery Terminal" and PG-260, "2.0L TURBO GASOLINE ENGINE : Exploded View".
   **CAUTION:**
   **To prevent damage to the parts, disconnect the battery cable from the negative terminal first.**
3. Remove cover of battery positive terminal.
4. Disconnect the battery cable from the positive terminal.
5. Remove battery fix frame mounting nuts and battery fix frame.
6. Remove main battery.
7. Remove battery tray mounting bolts and battery tray.

Sub Battery

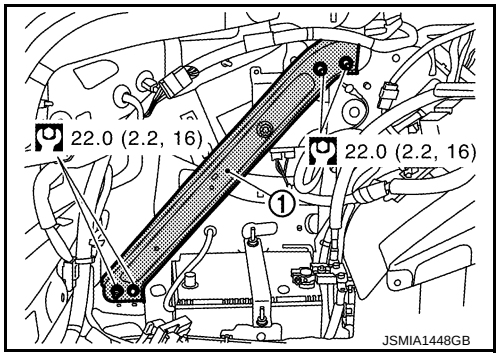
1. Remove trunk side finisher LH. Refer to INT-53, "TRUNK SIDE FINISHER : Removal and Installation".
2. Remove battery vent tube ①.
3. Disconnect the battery cable from the negative terminal. Refer to PG-5, "Precautions for Removing Battery Terminal" and PG-260, "2.0L TURBO GASOLINE ENGINE : Exploded View".
   **CAUTION:**
   **To prevent damage to the parts, disconnect the battery cable from the negative terminal first.**
4. Remove cover of battery positive terminal.
5. Disconnect the battery cable from the positive terminal.




6. Disconnect connector and harness clip from rear floor stay LH ①.

: N·m (kg-m, ft-lb)

7. Remove rear floor stay LH mounting bolt and nuts to rear floor stay LH.




8. Remove battery fix frame mounting nut to remove battery fix frame.
9. Remove sub battery.

### INSTALLATION

Main Battery

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-131, "ADDITIONAL SERVICE WHEN REMOVING BATTERY NEGATIVE TERMINAL : Required Procedure After Battery Disconnection".

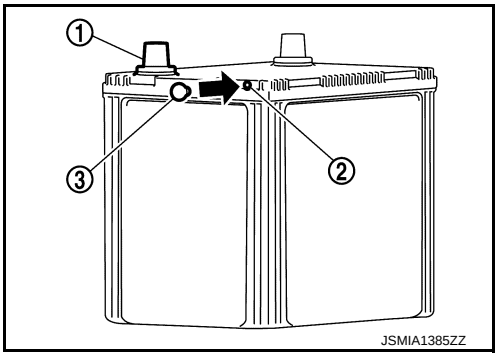
Sub Battery

Install in the reverse order of removal.

**CAUTION:**

**To install the sub battery, carefully read the following instructions.**

- **If an exhaust cap is not included in the replaced sub battery, install an exhaust cap ③ to the exhaust hole ② on the positive terminal ① side to prevent gas leakage in the vehicle.**
- **To prevent gas leakage in vehicle, securely install the battery vent tube to the sub battery.**
- **After removing the battery vent tube from the vehicle, reinstall the sub battery vent tube securely to the exhaust port on the vehicle side (body member) to discharge gas filled in the sub battery to the outside of the vehicle.**
- **To prevent damage to the parts, connect the battery cable to the positive terminal first.**
- **After connecting battery cables, to securely supply battery voltage, ensure that they are tightly clamped to battery terminals for good contact.**
- **To securely supply battery voltage, check battery terminal for poor connection caused by corrosion.**




Reset electronic systems as necessary. Refer to GI-131, "ADDITIONAL SERVICE WHEN REMOVING BATTERY NEGATIVE TERMINAL : Required Procedure After Battery Disconnection".

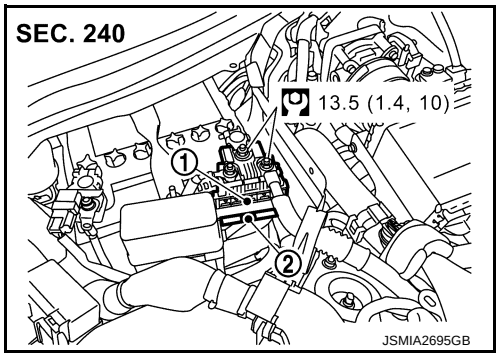
# BATTERY TERMINAL WITH FUSIBLE LINK

## VR30DDTT

### VR30DDTT : Exploded View

INFOID:0000000013389231

① : Battery terminal with fusible link
② : Harness connector
: N·m (kg-m, ft-lb)




### VR30DDTT : Removal and Installation

INFOID:0000000013389232

REMOVAL

1. Remove hoodledge cover RH. Refer to EXT-27, "Removal and Installation".
2. Disconnect the battery cable from the negative terminal. Refer to PG-5, "Precautions for Removing Battery Terminal" and PG-259, "VR30DDTT : Exploded View".
   **CAUTION:**
   **To prevent damage to the parts, disconnect the battery cable from the negative terminal first.**
3. Remove cover of battery positive terminal.
4. Remove harness mounting nuts and battery terminal with fusible link mounting nut.
5. Disconnect harness connector and remove battery terminal with fusible link.

INSTALLATION

Install in the reverse order of removal.

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

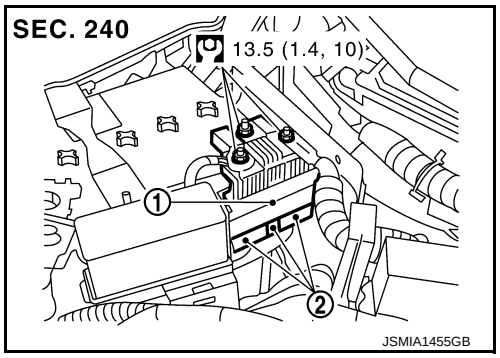
## 2.0L TURBO GASOLINE ENGINE

### 2.0L TURBO GASOLINE ENGINE : Exploded View

INFOID:0000000013389175

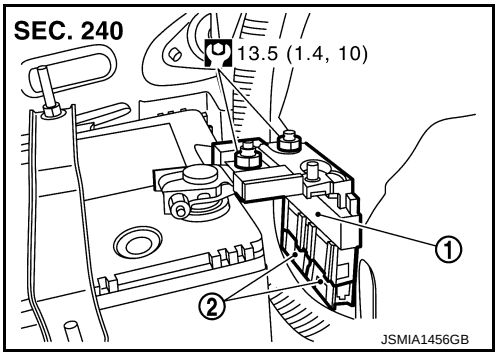
MAIN BATTERY

① : Battery terminal with fusible link
② : Harness connector
: N·m (kg-m, ft-lb)




SUB BATTERY

① : Battery terminal with fusible link
② : Harness connector
: N·m (kg-m, ft-lb)




## 2.0L TURBO GASOLINE ENGINE : Removal and Installation

INFOID:0000000013389176

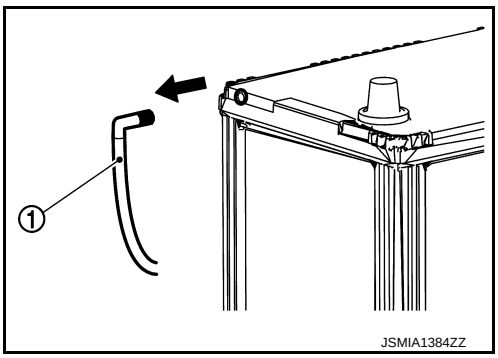
### REMOVAL

Main Battery

1. Remove hoodledge cover RH. Refer to EXT-27, "Removal and Installation".
2. Disconnect the battery cable from the negative terminal. Refer to PG-5, "Precautions for Removing Battery Terminal" and PG-260, "2.0L TURBO GASOLINE ENGINE : Exploded View".
   **CAUTION:**
   **To prevent damage to the parts, disconnect the battery cable from the negative terminal first.**
3. Remove cover of battery positive terminal.
4. Remove harness mounting nut and battery terminal with fusible link mounting nut.
5. Disconnect harness connector and remove battery terminal with fusible link.

Sub Battery

1. Remove trunk side finisher LH. Refer to INT-53, "TRUNK SIDE FINISHER : Removal and Installation".
2. Remove battery vent tube ①.
3. Disconnect the battery cable from the negative terminal. Refer to PG-5, "Precautions for Removing Battery Terminal" and PG-260, "2.0L TURBO GASOLINE ENGINE : Exploded View".
   **CAUTION:**
   **To prevent damage to the parts, disconnect the battery cable from the negative terminal first.**
4. Remove cover of battery positive terminal.
5. Remove harness mounting nut and battery terminal with fusible link mounting nut.
6. Disconnect harness connector and remove battery terminal with fusible link.




### INSTALLATION

Install in the reverse order of removal.

**CAUTION:**
**To prevent damage to the parts, connect the battery cable to the positive terminal first.**

# BATTERY CURRENT SENSOR

## VR30DDTT

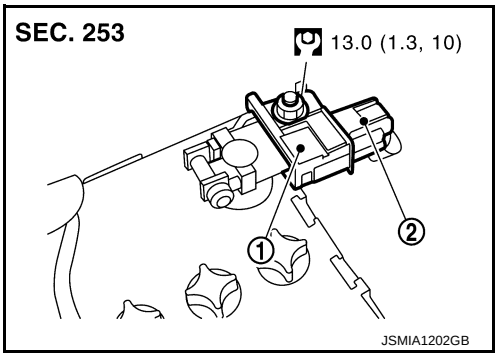
### VR30DDTT : Exploded View

INFOID:0000000013389235

① : Battery current sensor
(With battery temperature sensor)

② : Harness connector

: N·m (kg-m, ft-lb)




### VR30DDTT : Removal and Installation

INFOID:0000000013389236

REMOVAL

1. Remove hoodledge cover RH. Refer to EXT-27, "Removal and Installation".
2. Disconnect the battery cable from the negative terminal. Refer to PG-5, "Precautions for Removing Battery Terminal" and PG-259, "VR30DDTT : Exploded View".
3. Disconnect the battery current sensor connector.
4. Remove the battery current sensor mounting nut.
5. Remove the battery current sensor from battery cable.

INSTALLATION

Install in the reverse order of removal.

## 2.0L TURBO GASOLINE ENGINE

### 2.0L TURBO GASOLINE ENGINE : Exploded View

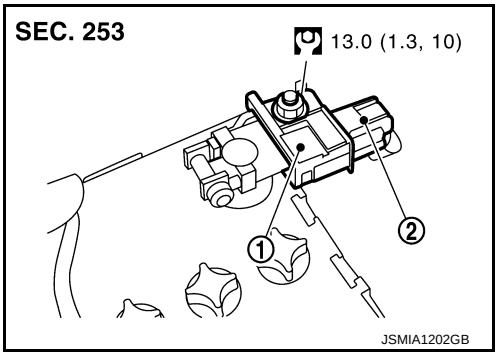
INFOID:0000000013389210

MAIN BATTERY

① : Battery current sensor
(With battery temperature sensor)

② : Harness connector

: N·m (kg-m, ft-lb)

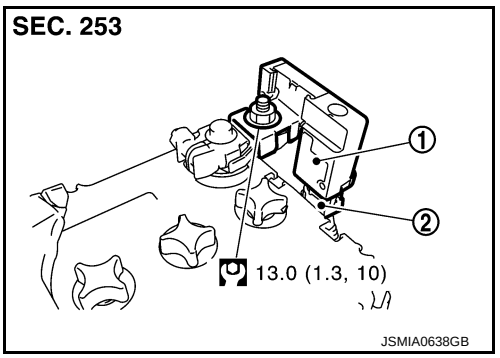



SUB BATTERY

① : Battery current sensor
(With battery temperature sensor)

② : Harness connector

: N·m (kg-m, ft-lb)




## 2.0L TURBO GASOLINE ENGINE : Removal and Installation

INFOID:0000000013389211

### REMOVAL

Main Battery

1. Remove hoodledge cover RH. Refer to EXT-27, "Removal and Installation".
2. Disconnect the battery cable from the negative terminal. Refer to PG-5, "Precautions for Removing Battery Terminal" and PG-260, "2.0L TURBO GASOLINE ENGINE : Exploded View".
3. Disconnect the battery current sensor connector.
4. Remove the battery current sensor mounting nut.
5. Remove the battery current sensor from battery cable.

Sub Battery

1. Remove trunk side finisher LH. Refer to INT-53, "TRUNK SIDE FINISHER : Removal and Installation".
2. Disconnect the battery cable from the negative terminal. Refer to PG-5, "Precautions for Removing Battery Terminal" and PG-260, "2.0L TURBO GASOLINE ENGINE : Exploded View".
3. Disconnect the battery current sensor connector.
4. Remove the battery current sensor mounting nut.
5. Remove the battery current sensor from battery cable.

### INSTALLATION

Install in the reverse order of removal.

# SERVICE DATA AND SPECIFICATIONS (SDS)

## SERVICE DATA AND SPECIFICATIONS (SDS)

### Battery

INFOID:0000000013350994

#### VR30DDTT

| | | |
|---|---|---|
| Type | | Q-85 |
| 20 hour rate capacity | [V – Ah] | 12 – 62 |
| Cold cranking current (For reference value) | [A] | 600 |

#### 2.0L TURBO GASOLINE ENGINE

Main Battery

| | | |
|---|---|---|
| Type | | S-95 |
| 20 hour rate capacity | [V – Ah] | 12 – 75 |
| Cold cranking current (For reference value) | [A] | 780 |

Sub Battery

| | | |
|---|---|---|
| Type | | Q-85-MF |
| 20 hour rate capacity | [V – Ah] | 12 – 62 |
| Cold cranking current (For reference value) | [A] | 600 |