# SECTION INL
# INTERIOR LIGHTING SYSTEM

## CONTENTS

### COUPE

# PRECAUTION

## PRECAUTIONS

## FOR USA AND CANADA

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

INFOID:0000000006349857

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

**WARNING:**

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

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

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

**WARNING:**

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

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

### FOR USA AND CANADA : Precaution for Battery Service

INFOID:0000000006349858

Before disconnecting the battery, lower both the driver and passenger windows. This will prevent any interference between the window edge and the vehicle when the door is opened/closed. During normal operation, the window slightly raises and lowers automatically to prevent any window to vehicle interference. The automatic window function will not work with the battery disconnected.

## FOR MEXICO

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

INFOID:0000000006349859

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

**WARNING:**

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

**WARNING:**

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

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

## FOR MEXICO : Precaution for Battery Service

*INFOID:0000000006349860*

Before disconnecting the battery, lower both the driver and passenger windows. This will prevent any interference between the window edge and the vehicle when the door is opened/closed. During normal operation, the window slightly raises and lowers automatically to prevent any window to vehicle interference. The automatic window function will not work with the battery disconnected.

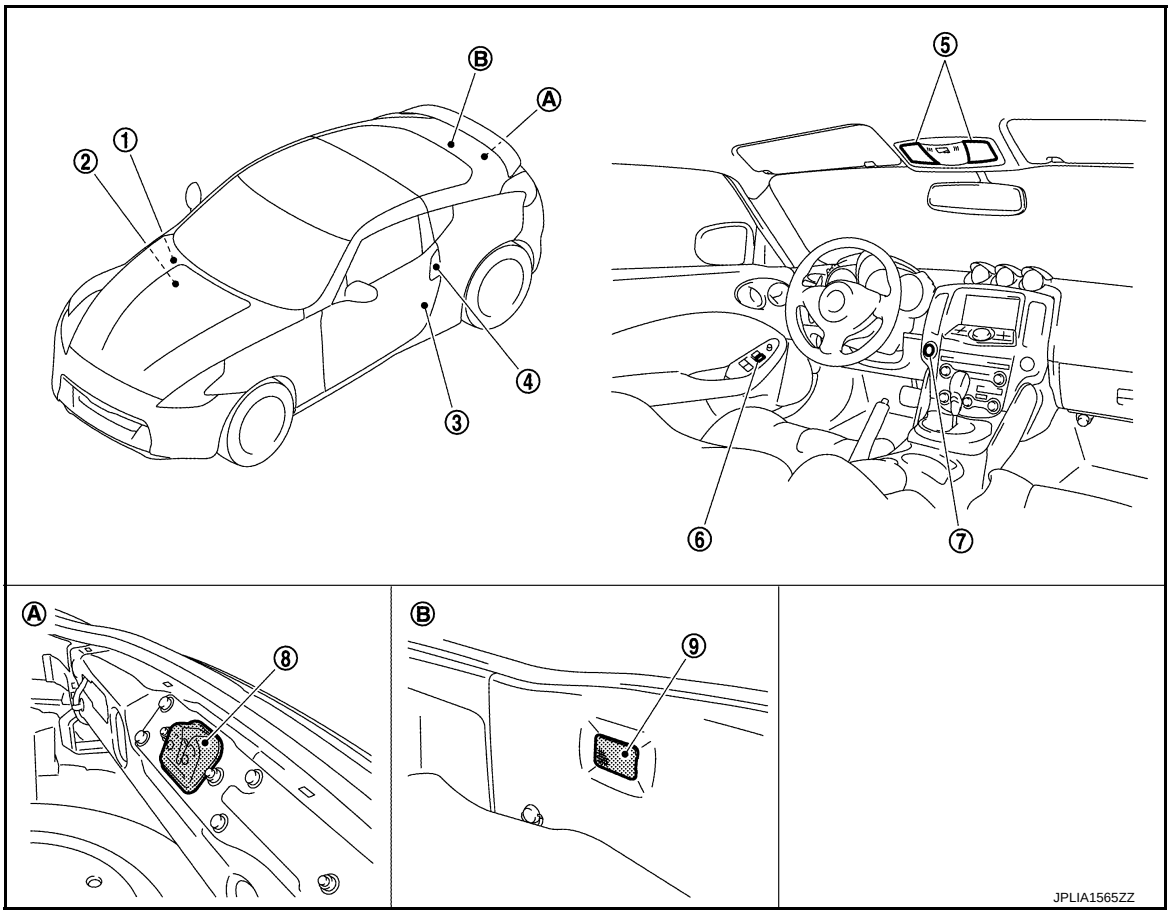
# SYSTEM DESCRIPTION

## COMPONENT PARTS

## INTERIOR ROOM LAMP CONTROL SYSTEM

### INTERIOR ROOM LAMP CONTROL SYSTEM : Component Parts Location

INFOID:0000000006349861




1. Remote keyless entry receiver
   Refer to SEC-14, "Component Parts Location".
2. BCM
   Refer to BCS-9, "Component Parts Location".
3. Door switch
4. • Key cylinder switch
   • Request switch
5. Map lamp
6. Door lock and unlock switch
7. Push-button ignition switch
   (Push-button ignition switch illumination)
8. Back door switch
9. Luggage room lamp

A. Back door lock assembly
B. Luggage room

### INTERIOR ROOM LAMP CONTROL SYSTEM : Component Description

INFOID:0000000006349862

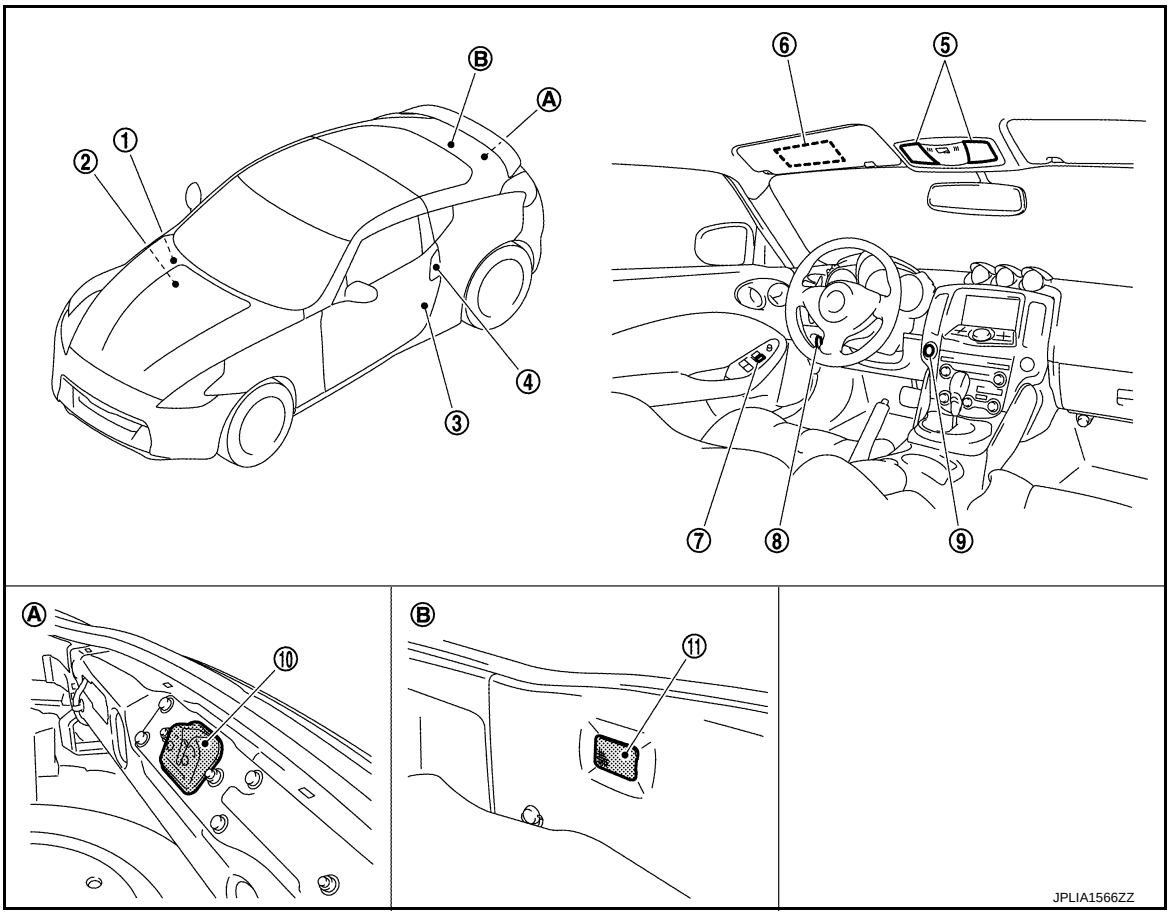
| Part | Description |
|---|---|
| BCM | • Activates the interior room lamp timer depending on the vehicle condition to turn the interior room lamp ON/OFF.<br>• Turns the luggage room lamp ON /OFF according to the luggage room lamp switch status. |
| Remote keyless entry receiver | Transmits the lock/unlock signal to BCM. |

| Part | Description |
|---|---|
| • Door lock and unlock switch<br>• Key cylinder switch | Transmits a switch signal by power window switch serial link. |
| • Request switch<br>• Door switch | Inputs a switch signal to BCM. |

# INTERIOR ROOM LAMP BATTERY SAVER SYSTEM

## INTERIOR ROOM LAMP BATTERY SAVER SYSTEM : Component Parts Location

INFOID:0000000006349863




1. Remote keyless entry receiver
   Refer to DLK-15, "POWER DOOR LOCK SYSTEM : Component Parts Location".
2. BCM
   Refer to BCS-9, "Component Parts Location".
3. Door switch
4. • Key cylinder switch
   • Request switch
5. Map lamp
6. Vanity mirror lamp
7. Door lock and unlock switch
8. Key slot
9. Push-button ignition switch
10. Back door switch
11. Luggage room lamp

A. Back door lock assembly
B. Luggage room

## INTERIOR ROOM LAMP BATTERY SAVER SYSTEM : Component Description

INFOID:0000000006349864

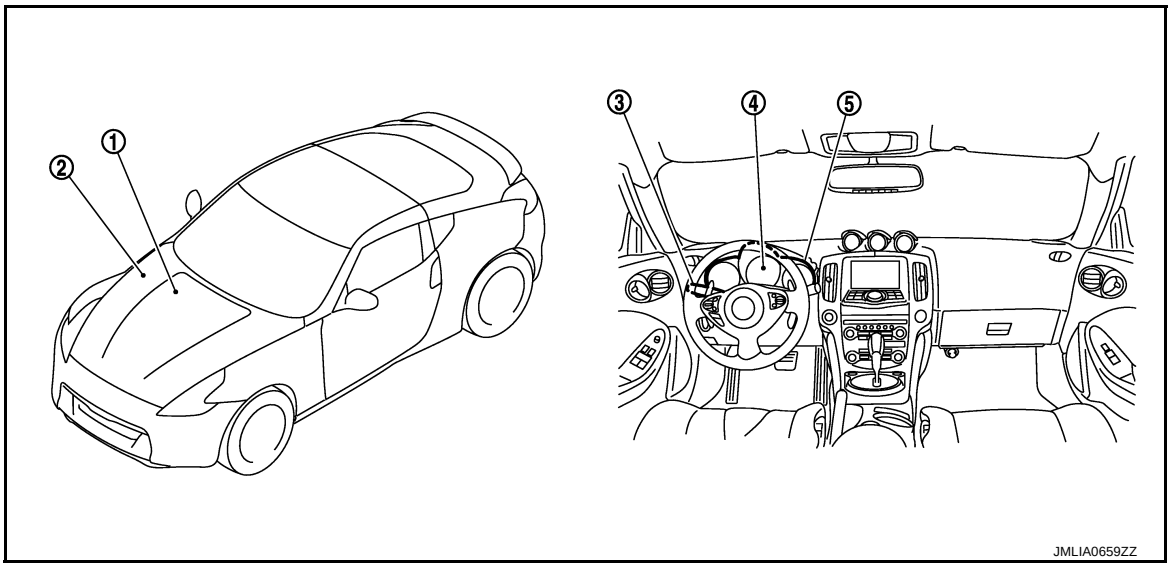
| Part | Description |
|---|---|
| BCM | Operates the interior room lamp battery saver depending on the vehicle condition to cut the interior room lamp power supply. |
| Remote keyless entry receiver | Transmits the lock/unlock signal to BCM. |

| Part | Description |
|---|---|
| • Door lock and unlock switch<br>• Key cylinder switch | Transmits a switch signal by power window switch serial link. |
| • Request switch<br>• Door switch | Inputs a switch signal to BCM. |
| Key slot | Inputs the key switch status to BCM. |

# ILLUMINATION CONTROL SYSTEM

## ILLUMINATION CONTROL SYSTEM : Component Parts Location

INFOID:0000000006349865




1. BCM
   Refer to BCS-9, "Component Parts Location".
2. IPDM E/R
   Refer to PCS-6, "Component Parts Location".
3. Combination switch
4. Combination meter
5. Illumination control switch

## ILLUMINATION CONTROL SYSTEM : Component Description

INFOID:0000000006349866

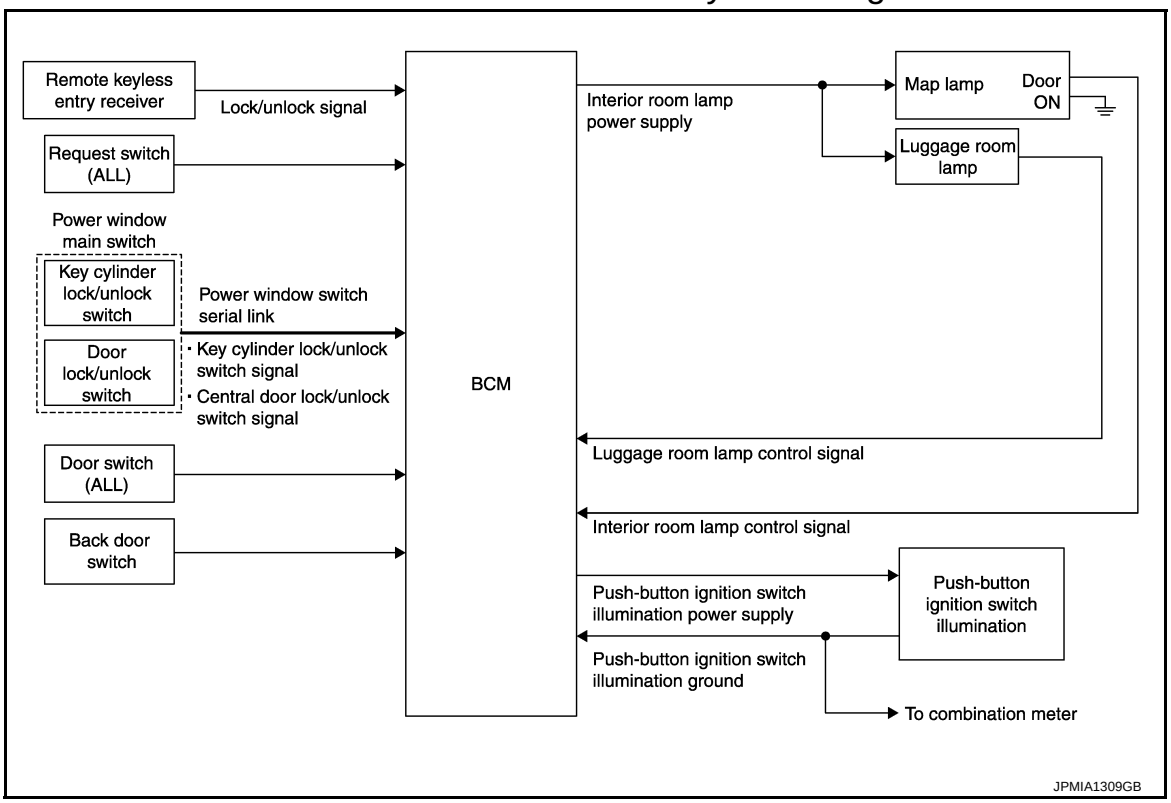
| Part | Description |
|---|---|
| BCM | • Detects each switch condition by the combination switch reading function.<br>• Judges the illumination lamp ON/OFF status depending on the vehicle condition. And then it transmits position light request signal to IPDM E/R and combination meter (with CAN communication). |
| IPDM E/R | Controls the integrated relay according to the request from BCM (with CAN communication). |
| Combination meter | • Enters in nighttime mode according to the request from BCM (with CAN communication).<br>• Controls the each illumination in the nighttime mode.<br>Refer to MWI-6, "METER SYSTEM : System Description". |
| Combination switch<br>(Lighting & turn signal switch) | Refer to BCS-10, "System Diagram". |

# SYSTEM

## INTERIOR ROOM LAMP CONTROL SYSTEM

### INTERIOR ROOM LAMP CONTROL SYSTEM : System Diagram

INFOID:0000000006349867




### INTERIOR ROOM LAMP CONTROL SYSTEM : System Description

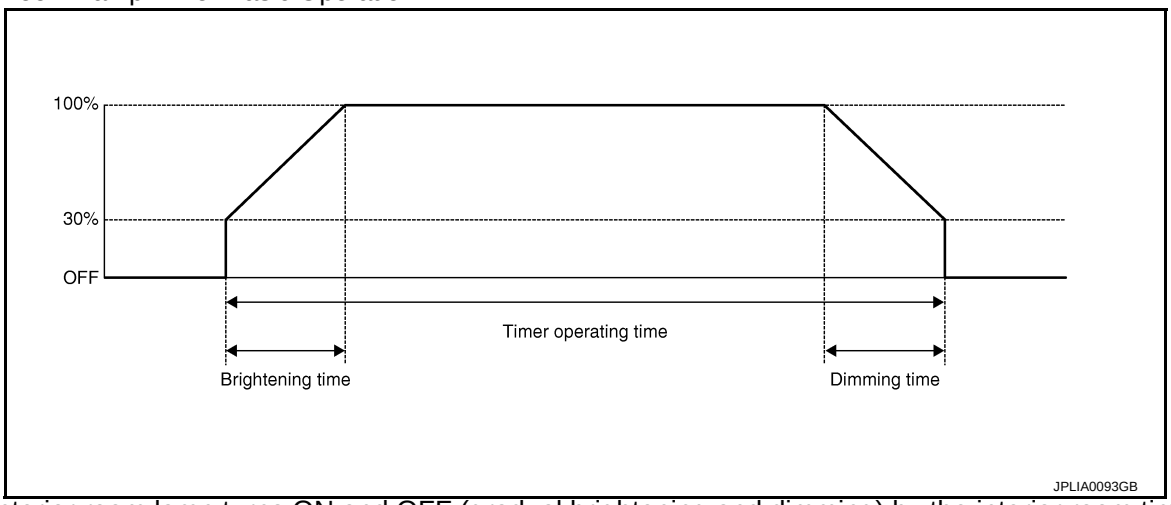
INFOID:0000000006349868

OUTLINE

- Interior room lamps* are controlled by interior room lamp timer control function of BCM.
  *: Map lamp (when map lamp switch is in DOOR position).
- Luggage room lamp is controlled by luggage room lamp control function of BCM.
- Push-button ignition switch illumination is controlled by the push-button ignition switch illumination control function of BCM.

INTERIOR ROOM LAMP TIMER CONTROL

Interior Room Lamp Timer Basic Operation




- The interior room lamp turns ON and OFF (gradual brightening and dimming) by the interior room timer.
- BCM judges the vehicle condition with the following items. It activates the interior room timer.

- Ignition switch status
- Door switch signal (ALL)
- Door lock/unlock signal (Remote keyless entry receiver, each request switch, key cylinder lock/unlock switch, central door lock/unlock switch)

**NOTE:**
Each function of interior room lamp timer can be set by CONSULT-III. Refer to INL-15, "INT LAMP : CONSULT-III Function (BCM - INT LAMP) (Coupe Models)".

Interior Room Lamp ON Operation
- BCM always turns the interior room lamp ON when any door opens.
- BCM activates the interior room timer in any of the following conditions to turn the interior room lamp ON for a period of time.
  - Any door opens before all doors close.
  - Ignition switch is turned ON → OFF.
  - Any door unlock signal is detected when all doors close with ignition switch OFF.

**NOTE:**
Restart the timer if new condition is input during the timer operating time.

Interior Room Lamp OFF Operation
BCM stops the timer in any of the following conditions to turns the interior room lamp OFF.
- The timer operating time is expired.
- Ignition switch position is other than OFF with all doors close.
- Any door lock operation is detected with all doors close.

## LUGGAGE ROOM LAMP CONTROL
BCM controls the luggage room lamp (ground-side) to turn ON with the luggage room lamp switch ON.

## PUSH-BUTTON IGNITION SWITCH ILLUMINATION CONTROL

Push-button Ignition Switch Illumination Basic Operation
- BCM provides the power supply and the ground to turn the push-button ignition switch illumination ON.
- BCM cuts the ground supply while the each illumination (tail lamp) ON. BCM switches to the ground control with the meter illumination control function.

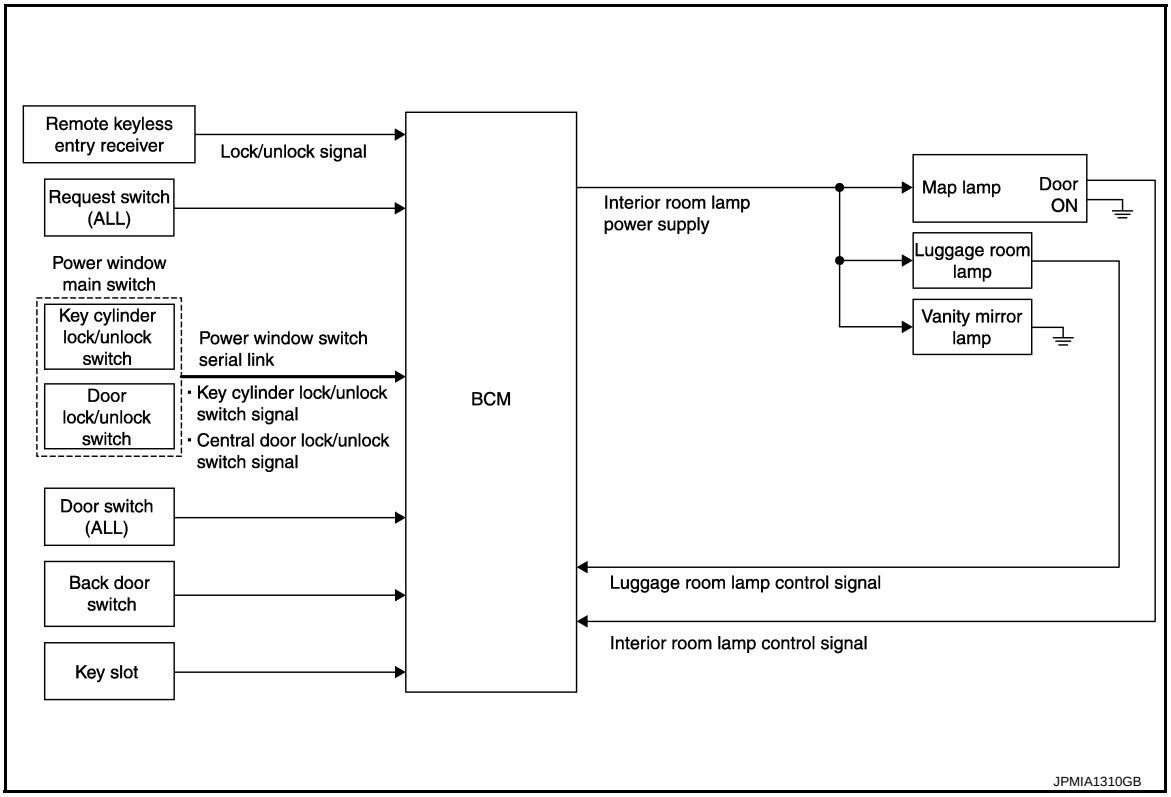
Push-button Ignition Switch Illumination ON Operation
BCM turns the push-button ignition switch illumination ON in the following conditions.
- Ignition switch ON
- Each illumination (tail lamp) ON
- Any of the following conditions with ignition switch OFF
  - Engine start permission is entered.
  - Intelligent Key inserted into the key slot.
  - Driver door is LOCK → UNLOCK.
  - Driver door is open.

Push-button Ignition Switch Illumination OFF Operation
BCM turns the push-button ignition switch illumination OFF in any of the following conditions.
- The push-button ignition switch illumination ON conditions do not satisfy.
- All of the following conditions with ignition switch OFF
  - Each illumination (tail lamp) OFF
  - The push-button ignition switch illumination ON conditions do not change (15 seconds after the ignition switch OFF) or the driver door is UNLOCK → LOCK.

## INTERIOR ROOM LAMP BATTERY SAVER SYSTEM

## INTERIOR ROOM LAMP BATTERY SAVER SYSTEM : System Diagram

INFOID:0000000006349869




## INTERIOR ROOM LAMP BATTERY SAVER SYSTEM : System Description

INFOID:0000000006349870

### OUTLINE

- Interior room lamp battery saver is controlled by BCM.
- BCM turns applicable lamps OFF depending on the vehicle condition. This function prevents the battery from over-discharging if the driver neglect turning OFF the any lamps.

Applicable lamps

- Map lamp
- Luggage room lamp
- Vanity mirror lamp

### INTERIOR ROOM LAMP BATTERY SAVER FUNCTION

- When the ignition switch is turned OFF, BCM operates the timer for a period of time to cut the interior room lamp power supply.
- BCM restart the timer when any of the following signals changes while operating the timer.
- Ignition switch status
- Door switch signal (ALL)
- Door lock/unlock signal (Remote keyless entry receiver, each request switch, key cylinder lock/unlock switch, central door lock/unlock switch)
- Back door switch signal
- Key switch signal (Key slot)
- BCM provides the interior room lamp power supply continuously when the ignition switch position is other than OFF.

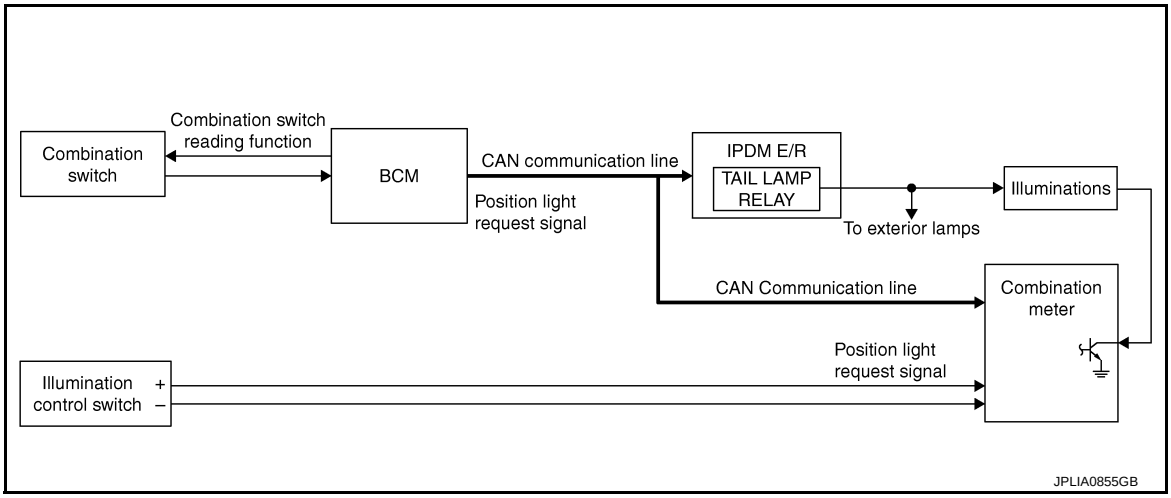
**NOTE:**

Each function of interior room lamp battery saver can be set by CONSULT-III. Refer to INL-16, "BATTERY SAVER : CONSULT-III Function (BCM - BATTERY SAVER) (Coupe Models)".

## ILLUMINATION CONTROL SYSTEM

## ILLUMINATION CONTROL SYSTEM : System Diagram

INFOID:0000000006349871




## ILLUMINATION CONTROL SYSTEM : System Description

INFOID:0000000006349872

### OUTLINE

Each illumination lamp is controlled by each function of BCM, IPDM E/R and combination meter.

Control by BCM
- Combination switch reading function
- Headlamp control function

Control by IPDM E/R
- Relay control function

Control by combination meter
- Meter illumination control function (Refer to MWI-24, "METER ILLUMINATION CONTROL : System Description".)

### ILLUMINATION CONTROL

- BCM detects the combination switch condition by the combination switch reading function.
- BCM transmits position light request signal to IPDM E/R and combination meter according to tail lamp ON condition.

Tail lamp ON condition
- Lighting switch 1ST
- Lighting switch 2ND
- Lighting switch AUTO, and the auto light function ON judgment

- IPDM E/R turns the integrated tail lamp relay ON according to position light request signal. It provides the power supply to each illumination lamp.
- Combination meter enters in the nighttime mode according to position light request signal. Under the nighttime mode the combination meter controls the illuminance by controlling the each illumination lamp (ground side).

# DIAGNOSIS SYSTEM (BCM)

## COMMON ITEM

### COMMON ITEM : CONSULT-III Function (BCM - COMMON ITEM)

INFOID:0000000006349873

#### APPLICATION ITEM

CONSULT-III performs the following functions via CAN communication with BCM.

| Diagnosis mode | Function Description |
|---|---|
| Work Support | Changes the setting for each system function. |
| Self Diagnostic Result | Displays the diagnosis results judged by BCM. |
| CAN Diag Support Monitor | Monitors the reception status of CAN communication viewed from BCM. Refer to CONSULT-III operation manual. |
| Data Monitor | The BCM input/output signals are displayed. |
| Active Test | The signals used to activate each device are forcibly supplied from BCM. |
| Ecu Identification | The BCM part number is displayed. |
| Configuration | • Read and save the vehicle specification.<br>• Write the vehicle specification when replacing BCM. |

#### SYSTEM APPLICATION

BCM can perform the following functions for each system.

**NOTE:**

It can perform the diagnosis modes except the following for all sub system selection items.

×: Applicable item

| System | Sub system selection item | Diagnosis mode | | |
|---|---|---|---|---|
| | | Work Support | Data Monitor | Active Test |
| Door lock | DOOR LOCK | × | × | × |
| Rear window defogger | REAR DEFOGGER | | × | × |
| Warning chime | BUZZER | | × | × |
| Interior room lamp timer | INT LAMP | × | × | × |
| Exterior lamp | HEAD LAMP | × | × | × |
| Wiper and washer | WIPER | × | × | × |
| Turn signal and hazard warning lamps | FLASHER | × | × | × |
| — | AIR CONDITONER* | | | |
| • Intelligent Key system<br>• Engine start system | INTELLIGENT KEY | × | × | × |
| Combination switch | COMB SW | | × | |
| Body control system | BCM | × | | |
| IVIS - NATS | IMMU | | × | × |
| Interior room lamp battery saver | BATTERY SAVER | × | × | × |
| Back door/Trunk lid open | TRUNK | | × | × |
| Vehicle security system | THEFT ALM | × | × | × |
| RAP system | RETAINED PWR | | × | |
| Signal buffer system | SIGNAL BUFFER | | × | × |
| TPMS | TPMS (AIR PRESSURE MONITOR) | × | × | × |

**NOTE:**

*: This item is displayed, but is not used.

#### FREEZE FRAME DATA (FFD)

The BCM records the following vehicle condition at the time a particular DTC is detected, and displays on CONSULT-III.

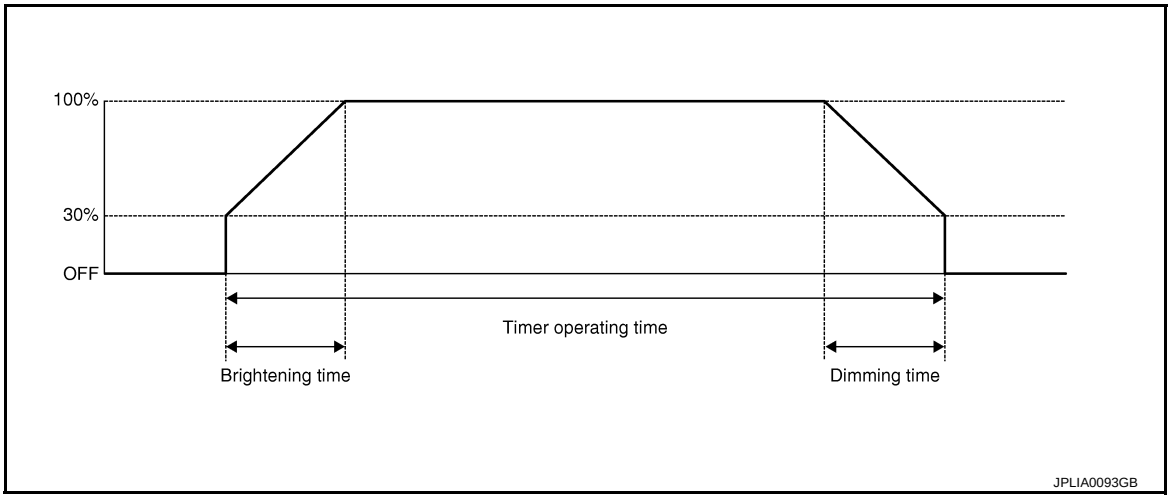
| CONSULT screen item | Indication/Unit | Description | |
|---|---|---|---|
| Vehicle Speed | km/h | Vehicle speed of the moment a particular DTC is detected | |
| Odo/Trip Meter | km | Total mileage (Odometer value) of the moment a particular DTC is detected | |
| Vehicle Condition | SLEEP>LOCK | Power position status of the moment a particular DTC is detected | While turning BCM status from low power consumption mode to normal mode (Power supply position is “LOCK”) |
| | SLEEP>OFF | | While turning BCM status from low power consumption mode to normal mode (Power supply position is “OFF”.) |
| | LOCK>ACC | | While turning power supply position from “LOCK” to “ACC” |
| | ACC>ON | | While turning power supply position from “ACC” to “IGN” |
| | RUN>ACC | | While turning power supply position from “RUN” to “ACC” (Vehicle is stopping and selector lever is except P position.) |
| | CRANK>RUN | | While turning power supply position from “CRANKING” to “RUN” (From cranking up the engine to run it) |
| | RUN>URGENT | | While turning power supply position from “RUN“ to “ACC” (Emergency stop operation) |
| | ACC>OFF | | While turning power supply position from “ACC” to “OFF” |
| | OFF>LOCK | | While turning power supply position from “OFF” to “LOCK” |
| | OFF>ACC | | While turning power supply position from “OFF” to “ACC” |
| | ON>CRANK | | While turning power supply position from “IGN” to “CRANKING” |
| | OFF>SLEEP | | While turning BCM status from normal mode (Power supply position is “OFF”.) to low power consumption mode |
| | LOCK>SLEEP | | While turning BCM status from normal mode (Power supply position is “LOCK”.) to low power consumption mode |
| | LOCK | | Power supply position is “LOCK” (Ignition switch OFF with steering is locked.) |
| | OFF | | Power supply position is “OFF” (Ignition switch OFF with steering is unlocked.) |
| | ACC | | Power supply position is “ACC” (Ignition switch ACC) |
| | ON | | Power supply position is “IGN” (Ignition switch ON with engine stopped) |
| | ENGINE RUN | | Power supply position is “RUN” (Ignition switch ON with engine running) |
| | CRANKING | | Power supply position is “CRANKING” (At engine cranking) |
| IGN Counter | 0 - 39 | The number of times that ignition switch is turned ON after DTC is detected<br>• The number is 0 when a malfunction is detected now.<br>• The number increases like 1 → 2 → 3...38 → 39 after returning to the normal condition whenever ignition switch OFF → ON.<br>• The number is fixed to 39 until the self-diagnosis results are erased if it is over 39. | |

## INT LAMP

## INT LAMP : CONSULT-III Function (BCM - INT LAMP) (Coupe Models)

INFOID:0000000006349874

### WORK SUPPORT




| Service item | Setting item | Setting | |
|---|---|---|---|
| SET I/L D-UNLCK INTCON | ON* | With the interior room lamp timer function | |
| | OFF | Without the interior room lamp timer function | |
| ROOM LAMP TIMER SET | MODE 2 | 7.5 sec. | Sets the interior room lamp ON time. (Timer operating time) |
| | MODE 3* | 15 sec. | |
| | MODE 4 | 30 sec. | |
| ROOM LAMP ON TIME SET | MODE 1 | 0.5 sec. | Sets the interior room lamp gradual brightening time. |
| | MODE 2* | 1 sec. | |
| | MODE 3 | 2 sec. | |
| | MODE 4 | 3 sec. | |
| | MODE 5 | 0 sec. | |
| ROOM LAMP OFF TIME SET | MODE 1 | 0.5 sec. | Sets the interior room lamp gradual dimming time. |
| | MODE 2 | 1 sec. | |
| | MODE 3 | 2 sec. | |
| | MODE 4* | 3 sec. | |
| | MODE 5 | 0 sec. | |
| R LAMP TIMER LOGIC SET | MODE 1* | Interior room lamp timer activates with synchronizing all doors. | |
| | MODE 2 | Interior room lamp timer activates with synchronizing the driver door only. | |

*: Factory setting

### DATA MONITOR

| Monitor item [Unit] | Description |
|---|---|
| REQ SW-DR [On/Off] | The switch status input from request switch (driver side) |
| REQ SW-AS [On/Off] | The switch status input from front request switch (passenger side) |
| REQ SW-RR [On/Off] | **NOTE:** The item is indicated, but not monitored. |
| REQ SW-RL [On/Off] | |

| Monitor item [Unit] | Description |
|---|---|
| PUSH SW [On/Off] | The switch status input from push-button ignition switch |
| ACC RLY-F/B [On/Off] | **NOTE:** The item is indicated, but not monitored. |
| UNLK SEN-DR [On/Off] | Driver door unlock status input from unlock sensor |
| KEY SW-SLOT [On/Off] | Key switch status input from key slot |
| DOOR SW-DR [On/Off] | The switch status input from driver side door switch |
| DOOR SW-AS [On/Off] | The switch status input from passenger side door switch |
| DOOR SW-RR [On/Off] | **NOTE:** The item is indicated, but not monitored. |
| DOOR SW-RL [On/Off] | |
| DOOR SW-BK [On/Off] | The switch status input from back door switch |
| CDL LOCK SW [On/Off] | Lock switch status received from the door lock and unlock switch |
| CDL UNLOCK SW [On/Off] | Unlock switch status received from the door lock and unlock switch |
| KEY CYL LK-SW [On/Off] | Lock switch status received from key cylinder switch |
| KEY CYL UN-SW [On/Off] | Unlock switch status received from key cylinder switch |
| TRNK/HAT MNTR [On/Off] | **NOTE:** The item is indicated, but not monitored. |
| RKE-LOCK [On/Off] | Lock signal status received from remote keyless entry receiver |
| RKE-UNLOCK [On/Off] | Unlock signal status received from remote keyless entry receiver |

## ACTIVE TEST

| Test item | Operation | Description |
|---|---|---|
| INT LAMP | On | Outputs the interior room lamp control signal to turn map lamp ON (Map lamp switch is in DOOR position). |
| | Off | Stops the interior room lamp control signal to turn map lamp OFF. |
| STEP LAMP TEST | On | **NOTE:** The item is displayed, but cannot be tested. |
| | Off | |
| LUGGAGE LAMP TEST | On | Outputs the luggage room lamp control signal to turn the luggage room lamp ON. |
| | Off | Stops the luggage room lamp control signal to turn the luggage room lamp OFF. |

# BATTERY SAVER

## BATTERY SAVER : CONSULT-III Function (BCM - BATTERY SAVER) (Coupe Models)

INFOID:0000000006349875

### WORK SUPPORT

| Service item | Setting item | Setting | |
|---|---|---|---|
| BATTERY SAVER SET | On* | With the exterior lamp battery saver function | |
| | Off | Without the exterior lamp battery saver function | |
| ROOM LAMP BAT SAV SET | On* | With the interior room lamp battery saver function | |
| | Off | Without the interior room lamp battery saver function | |
| ROOM LAMP TIMER SET | MODE 1 | 30 min. | Sets the interior room lamp battery saver timer operating time. |
| | MODE 2 | 60 min. | |
| | MODE 3* | 15 min. | |

*: Factory setting

## DATA MONITOR

| Monitor item [Unit] | Description |
|---|---|
| REQ SW-DR [On/Off] | The switch status input from request switch (driver side) |
| REQ SW-AS [On/Off] | The switch status input from front request switch (passenger side) |
| REQ SW-RR [On/Off] | **NOTE:** The item is indicated, but not monitored. |
| REQ SW-RL [On/Off] | |
| PUSH SW [On/Off] | The switch status input from push-button ignition switch |
| ACC RLY-F/B [On/Off] | **NOTE:** The item is indicated, but not monitored. |
| KEY SW-SLOT [On/Off] | Key switch status input from key slot |
| UNLK SEN-DR [On/Off] | Driver door unlock status input from unlock sensor |
| DOOR SW-DR [On/Off] | The switch status input driver side front door switch |
| DOOR SW-AS [On/Off] | The switch status input from passenger side door switch |
| DOOR SW-RR [On/Off] | **NOTE:** The item is indicated, but not monitored. |
| DOOR SW-RL [On/Off] | |
| DOOR SW-BK [On/Off] | The switch status input from back door switch |
| CDL LOCK SW [On/Off] | Lock switch status received from the door lock and unlock switch |
| CDL UNLOCK SW [On/Off] | Unlock switch status received from the door lock and unlock switch |
| KEY CYL LK-SW [On/Off] | Lock switch status received from key cylinder switch |
| KEY CYL UN-SW [On/Off] | Unlock switch status received from key cylinder switch |
| TRNK/HAT MNTR [On/Off] | **NOTE:** The item is indicated, but not monitored. |

| Monitor item [Unit] | Description |
|---|---|
| RKE-LOCK [On/Off] | Lock signal status received from remote keyless entry receiver |
| RKE-UNLOCK [On/Off] | Unlock signal status received from remote keyless entry receiver |

## ACTIVE TEST

| Test item | Operation | Description |
|---|---|---|
| BATTERY SAVER | Off | Cuts the interior room lamp power supply to turn interior room lamp OFF. |
| | On | Outputs the interior room lamp power supply to turn interior room lamp ON.* |

*: Each lamp switch is in ON position.

# ECU DIAGNOSIS INFORMATION

## BCM, COMBINATION METER

### List of ECU Reference

INFOID:0000000006349876

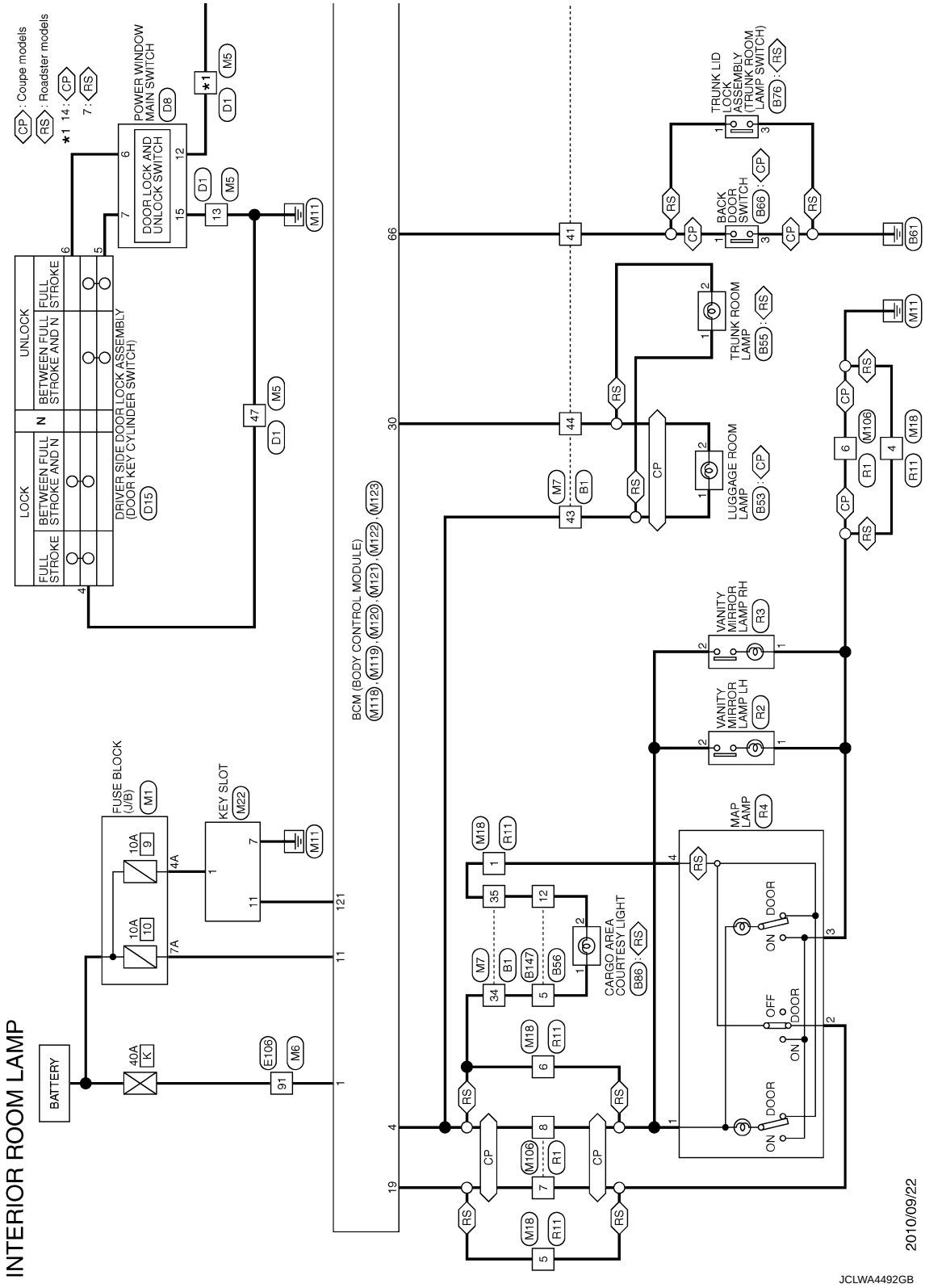
| ECU | Reference |
|---|---|
| BCM | BCS-51, "Reference Value" |
| | BCS-82, "Fail-safe" |
| | BCS-84, "DTC Inspection Priority Chart" |
| | BCS-85, "DTC Index" |
| COMBINATION METER | MWI-57, "Reference Value" |
| | MWI-76, "Fail-Safe" |
| | MWI-77, "DTC Index" |

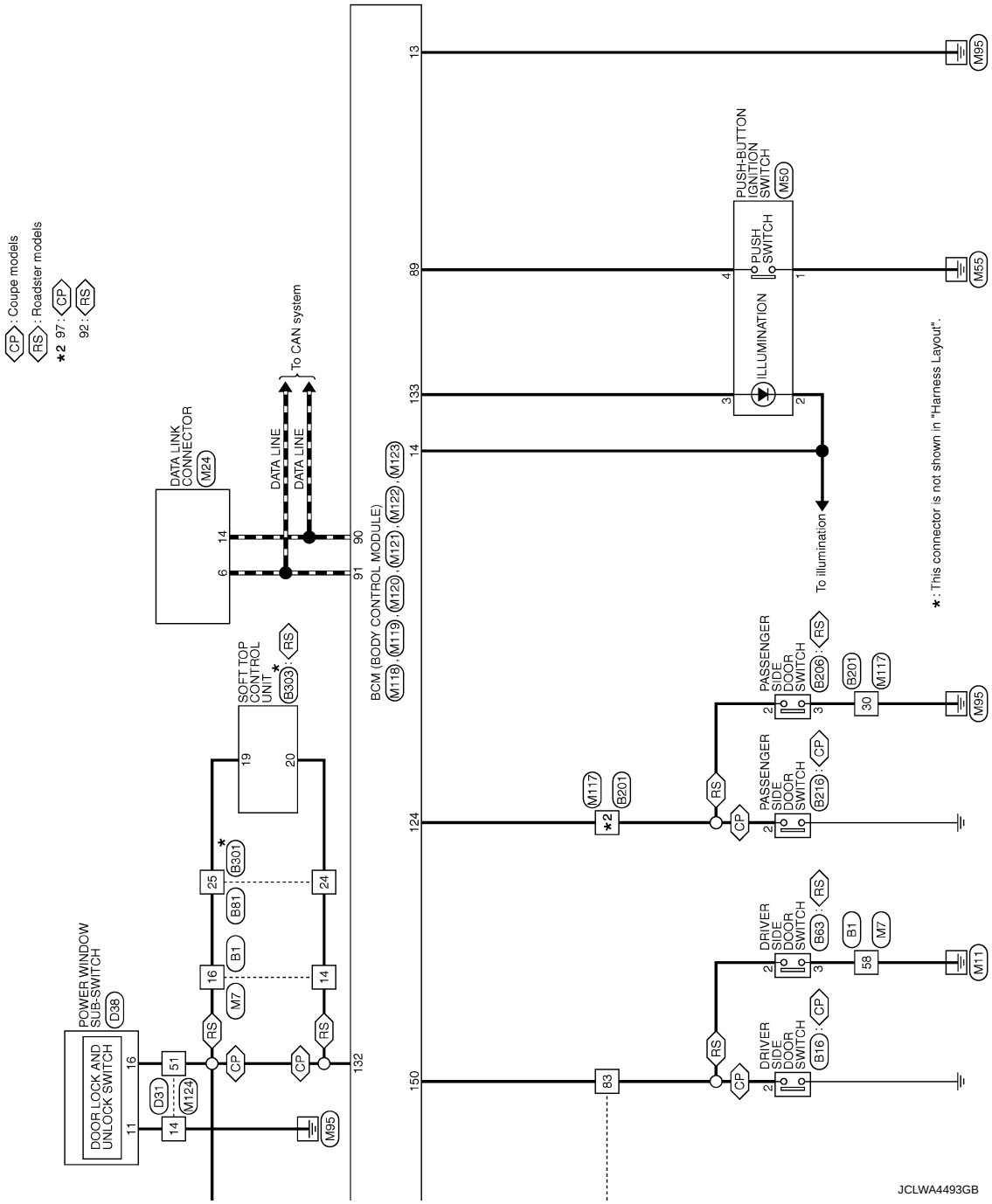
# WIRING DIAGRAM

## INTERIOR ROOM LAMP CONTROL SYSTEM

### Wiring Diagram

INFOID:0000000006349877




CP : Coupe models
RS : Roadster models
*2 : 97 : CP
92 : RS
DATA LINK CONNECTOR
M24
DATA LINE
DATA LINE
To CAN system
POWER WINDOW SUB-SWITCH
D38
DOOR LOCK AND UNLOCK SWITCH
SOFT TOP CONTROL UNIT *
B303
BCM (BODY CONTROL MODULE)
M118 M119 M120 M121 M122 M123
PUSH-BUTTON IGNITION SWITCH
M50
PUSH SWITCH
ILLUMINATION
To illumination
PASSENGER SIDE DOOR SWITCH
B206
B216
DRIVER SIDE DOOR SWITCH
B63
B16
M95
M55
M11
M117
B201
B1
M7
B81
B301
M124
D31
51
83
30
58
* This connector is not shown in "Harness Layout".
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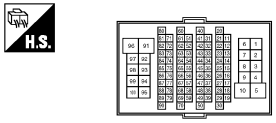
## INTERIOR ROOM LAMP

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



| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | G | – |
| 2 | BG | – |
| 3 | Y | – |
| 4 | W | – |
| 6 | V | – |
| 7 | LG | – |
| 8 | GR | – |
| 9 | SB | – |
| 11 | Y | – |
| 12 | W | – |
| 13 | BR | – |
| 14 | LG | – |
| 15 | B | – |
| 16 | V | – |
| 17 | R | – |
| 18 | B | – |
| 20 | SB | – |
| 21 | G | – |
| 22 | GR | – |
| 23 | V | – |
| 24 | BG | – |
| 25 | L | – |
| 26 | P | – |
| 27 | W | – |
| 28 | SHIELD | – |
| 31 | W | – |
| 32 | B | – |
| 33 | P | – [Coupe models] |
| 33 | W | – [Roadster models] |
| 34 | R | – |
| 35 | W | – [Coupe models] |
| 35 | B | – [Roadster models] |
| 36 | B | – |
| 40 | Y | – |
| 41 | L | – |
| 42 | GR | – |
| 43 | BR | – |
| 44 | R | – |
| 45 | BG | – |
| 46 | SHIELD | – [Coupe models] |
| 46 | SB | – [Roadster models] |
| 47 | V | – |
| 48 | SHIELD | – |
| 51 | W | – |
| 52 | R | – |
| 57 | SHIELD | – |
| 58 | B | – |
| 60 | V | – |
| 61 | SB | – |
| 62 | SHIELD | – |
| 63 | BR | – |
| 64 | Y | – |
| 65 | SHIELD | – |
| 66 | P | – |
| 67 | L | – |
| 68 | SHIELD | – |
| 69 | R | – |
| 70 | G | – |
| 71 | V | – |
| 72 | P | – |
| 73 | BR | – |
| 74 | GR | – |
| 75 | BG | – |
| 80 | Y | – |
| 81 | R | – |
| 82 | B | – |
| 83 | GR | – |
| 84 | G | – [Coupe models] |
| 84 | L | – [Roadster models] |
| 85 | LG | – |
| 86 | V | – |
| 87 | BR | – |
| 88 | GR | – |
| 93 | Y | – |
| 94 | L | – [Coupe models] |
| 94 | G | – [Roadster models] |
| 95 | GR | – [Coupe models] |
| 95 | LG | – [Roadster models] |
| 96 | L | – |
| 97 | Y | – |
| 98 | W | – [Coupe models] |
| 98 | Y/B | – [Roadster models] |
| 99 | LG | – |
| 100 | B | – |

| | |
|---|---|
| Connector No. | B16 |
| Connector Name | DRIVER SIDE DOOR SWITCH |
| Connector Type | A03FW |

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

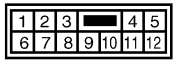
| | |
|---|---|
| Connector No. | B53 |
| Connector Name | LUGGAGE ROOM LAMP |
| Connector Type | CJ02FGY |

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

| | |
|---|---|
| Connector No. | B55 |
| Connector Name | TRUNK ROOM LAMP |
| Connector Type | S02FW |

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

| | |
|---|---|
| Connector No. | B56 |
| Connector Name | WIRE TO WIRE |
| Connector Type | NS12MW-CS |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 4 | BR | – |
| 5 | R | – |
| 9 | V | – |
| 10 | LG | – |
| 11 | GR | – |
| 12 | B | – |

| | |
|---|---|
| Connector No. | B63 |
| Connector Name | DRIVER SIDE DOOR SWITCH |
| Connector Type | A03FW |

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

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## INTERIOR ROOM LAMP

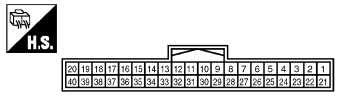
| | |
|---|---|
| Connector No. | B66 |
| Connector Name | BACK DOOR SWITCH |
| Connector Type | A03FW |


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

| | |
|---|---|
| Connector No. | B76 |
| Connector Name | TRUNK LID LOCK ASSEMBLY |
| Connector Type | NS03FW-CS |


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

| | |
|---|---|
| Connector No. | B81 |
| Connector Name | WIRE TO WIRE |
| Connector Type | TH40FW-NH |

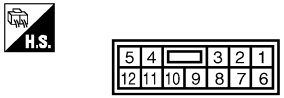



| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 4 | W | – |
| 5 | BR | – |
| 6 | B | – |
| 8 | Y | – |
| 9 | BG | – |
| 14 | GR | – |
| 15 | SB | – |
| 16 | V | – |
| 17 | G | – |
| 24 | LG | – |
| 25 | V | – |
| 31 | L | – |
| 32 | P | – |
| 34 | BG | – |
| 35 | R | – |

| | |
|---|---|
| Connector No. | B86 |
| Connector Name | CARGO AREA COURTESY LIGHT |
| Connector Type | S02FW |

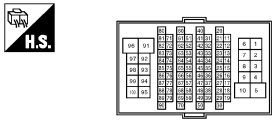

| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | R | – |
| 2 | B | – |

| | |
|---|---|
| Connector No. | B147 |
| Connector Name | WIRE TO WIRE |
| Connector Type | NS12FW-CS |




| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 4 | BR | – |
| 5 | R | – |
| 9 | V | – |
| 10 | LG | – |
| 11 | GR | – |
| 12 | B | – |

| | |
|---|---|
| Connector No. | B201 |
| Connector Name | WIRE TO WIRE |
| Connector Type | TH80FW-CS16-TM4 |




| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 2 | BR | – [Coupe models] |
| 2 | R | – [Roadster models] |
| 3 | Y | – [Coupe models] |
| 3 | B | – [Roadster models] |
| 4 | G | – |
| 7 | R | – [Coupe models] |
| 7 | Y | – [Roadster models] |
| 8 | LG | – |
| 9 | Y | – |
| 11 | R | – |
| 20 | G | – |
| 21 | R | – |
| 30 | B | – |
| 40 | W | – |
| 41 | V | – |
| 42 | G | – |
| 43 | L | – |
| 44 | SB | – |
| 51 | P | – |
| 52 | L | – |
| 53 | SHIELD | – |
| 54 | BR | – |
| 55 | Y | – |
| 56 | SHIELD | – |
| 57 | G | – [Coupe models] |
| 57 | P | – [Roadster models] |
| 58 | R | – [Coupe models] |
| 58 | L | – [Roadster models] |
| 59 | B | – |
| 60 | W | – |
| 61 | GR | – |
| 62 | B | – |
| 63 | Y | – |
| 64 | V | – |
| 65 | SB | – |
| 66 | BG | – |
| 67 | V | – |
| 68 | P | – |
| 69 | L | – |
| 70 | G | – |
| 72 | B | – |
| 73 | L | – [Coupe models] |
| 73 | B | – [Roadster models] |
| 74 | P | – [Coupe models] |
| 74 | B | – [Roadster models] |
| 75 | W | – [Coupe models] |
| 75 | B | – [Roadster models] |
| 76 | B | – |
| 80 | V | – |
| 81 | SB | – |
| 82 | G | – |
| 83 | R | – |
| 84 | W | – |
| 85 | B | – |
| 86 | SHIELD | – |
| 87 | O | – |
| 88 | BR | – |
| 89 | Y | – |
| 90 | SHIELD | – |
| 92 | SB | – [Coupe models] |
| 92 | LG | – [Roadster models] |
| 93 | V | – [Coupe models] |
| 93 | W | – [Roadster models] |
| 94 | SHIELD | – [Coupe models] |
| 94 | G | – [Roadster models] |
| 95 | GR | – [Coupe models] |
| 95 | LG | – [Roadster models] |
| 97 | LG | – [Coupe models] |
| 97 | LG | – [Roadster models] |
| 97 | Y | – [Roadster models] |
| 98 | W | – [Coupe models] |
| 98 | Y/B | – [Roadster models] |
| 99 | G | – |
| 100 | BR | – [Coupe models] |
| 100 | Y | – [Roadster models] |

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## INTERIOR ROOM LAMP

| Connector No. | B206 |
|---|---|
| Connector Name | PASSENGER SIDE DOOR SWITCH |
| Connector Type | A03FW |

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

| Connector No. | B216 |
|---|---|
| Connector Name | PASSENGER SIDE DOOR SWITCH |
| Connector Type | A03FW |



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

| Connector No. | B301 |
|---|---|
| Connector Name | WIRE TO WIRE |
| Connector Type | TH40MW-NH |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 4 | LG | – |
| 5 | L | – |
| 6 | P | – |
| 8 | O | – |
| 9 | Y | – |
| 14 | BR | – |
| 15 | BR | – |
| 16 | W | – |
| 17 | DG | – |
| 24 | V | – |
| 25 | LG | – |
| 31 | BG | – |
| 32 | P | – |
| 34 | O | – |
| 35 | SB | – |

| Connector No. | B303 |
|---|---|
| Connector Name | SOFT TOP CONTROL UNIT |
| Connector Type | TH40FB-NH |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | BR | SENSOR POWER SUPPLY (ROOF STRIKER SENSOR LH) |
| 3 | DG | ROOF STRIKER SENSOR RH |
| 4 | W | ROOF STRIKER SENSOR LH |
| 8 | Y | REVERSE SIGNAL |
| 9 | SB | POWER CONDITION (POWER WINDOW) |
| 10 | O | TRUNK LID OPEN SIGNAL |
| 11 | O | ROOF STATUS SIGNAL (INDICATOR) |
| 12 | SB | ROOF STATUS SIGNAL (AUDIO) |
| 14 | L | ROOF OPEN / CLOSE SWITCH (CLOSE) |
| 15 | LG | ROOF OPEN / CLOSE SWITCH (OPEN) |
| 16 | V | TRUNK ROOM LAMP SWITCH |
| 17 | BG | CAN-H |
| 18 | P | CAN-L |
| 19 | LG | LOCAL COMMUNICATION (POWER WINDOW) |
| 20 | V | LOCAL COMMUNICATION (BCM) |
| 21 | BR | SENSOR POWER SUPPLY (ROOF STRIKERSENSOR RH) |
| 29 | DG | GND |
| 35 | P | ROOF OPEN / CLOSE SWITCH (GND) |

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



| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 7 | Y | – |
| 8 | Y | – |
| 9 | G | – |
| 10 | BG | – |
| 11 | P | – [With BOSE system] |
| 11 | V | – [Without BOSE system] |
| 12 | L | – |
| 13 | B | – |
| 14 | SB | – [Coupe models] |
| 14 | Y | – [Roadster models] |
| 15 | W | – |
| 19 | G | – |
| 23 | R | – |
| 44 | L | – |
| 47 | B | – |
| 48 | SB | – |
| 49 | W | – |
| 50 | LG | – |
| 51 | R | – |
| 52 | V | – |
| 53 | BG | – |
| 54 | GR | – |
| 55 | G | – |

| Connector No. | D8 |
|---|---|
| Connector Name | POWER WINDOW MAIN SWITCH |
| Connector Type | NS16FW-CS |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | W | – |
| 4 | Y | – |
| 5 | BG | – |
| 6 | GR | – |
| 7 | V | – |
| 8 | L | – |
| 9 | LG | – |
| 10 | Y | – |
| 11 | BR | – |
| 12 | SB | – [Coupe models] |
| 12 | Y | – [Roadster models] |
| 13 | R | – |
| 14 | G | – |
| 15 | B | – |

| Connector No. | D15 |
|---|---|
| Connector Name | DRIVER SIDE DOOR LOCK ASSEMBLY |
| Connector Type | E06FGY-RS |



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

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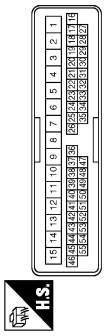
## INTERIOR ROOM LAMP

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



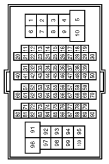
| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 10 | V | – |
| 11 | LG | – |
| 12 | P | – [With BOSE system] |
| 12 | LG | – [Without BOSE system] |
| 13 | V | – [Except for coupe models without BOSE system] |
| 13 | L | – [Except for coupe models without BOSE system] |
| 14 | B | – |
| 15 | W | – |
| 19 | P | – |
| 23 | L | – |
| 44 | L | – |
| 50 | Y | – |
| 51 | Y | – |
| 52 | G | – |
| 53 | BG | – |
| 54 | GR | – |
| 55 | L | – |

| Connector No. | D38 |
|---|---|
| Connector Name | POWER WINDOW SUB-SWITCH |
| Connector Type | NS16FW-CS |

| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 3 | G | – |
| 4 | BG | – |
| 8 | L | – |
| 9 | BR | – |
| 10 | W | – |

| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| I1 | B | – |
| I2 | R | – |
| I4 | Y | – |
| I5 | LG | – |
| I6 | Y | – |

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



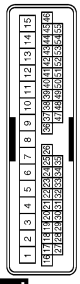
| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | Y | – |
| 3 | L | – |
| 4 | L | – |
| 7 | B | – |
| 8 | P | – |
| 9 | B | – |
| 11 | V | – |
| 12 | R | – |
| I3 | L | – |
| I4 | GR | – |
| I5 | P | – |
| I6 | W | – |
| 17 | SB | – |
| 20 | LG | – [Coupe models] |
| 21 | BR | – [Roadster models] |
| 21 | G | – |
| 31 | L | – |
| 32 | Y | – |
| 33 | P | – |
| 34 | L | – |
| 35 | BR | – |
| 36 | V | – |
| 37 | Y | – |
| 38 | R | – |
| 39 | B | – |
| 40 | W | – |
| 41 | LG | – |
| 42 | SB | – |
| 43 | G | – |
| 44 | GR | – [Except for roadster models with M/T] |
| 44 | R | – [Roadster models with M/T] |

| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 45 | BG | – |
| 46 | W | – |
| 47 | P | – |
| 58 | SHIELD | – |
| 59 | L | – |
| 70 | P | – |
| 80 | W | – |
| 81 | P | – |
| 82 | G | – |
| 83 | V | – |
| 84 | L | – |
| 85 | BG | – |
| 86 | LG | – |
| 87 | R | – |
| 89 | P | – |
| 91 | W | – |
| 92 | L | – |
| 93 | G | – |
| 94 | Y | – |
| 96 | Y | – |
| 97 | BR | – |
| 98 | GR | – |
| 99 | LG | – |
| 100 | BG | – |

| Connector No. | M1 |
|---|---|
| Connector Name | FUSE BLOCK (J/B) |
| Connector Type | NS06FW-M2 |

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

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



| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 7 | Y | – |
| 8 | Y | – |
| 9 | G | – |
| 10 | V | – |
| 11 | V | – |
| 12 | L | – |
| 13 | B | – |
| 14 | Y | – |
| 15 | W | – |
| 19 | Y | – |
| 23 | Y/B | – |
| 44 | L | – |
| 47 | B | – |
| 48 | SB | – |
| 49 | Y | – |
| 50 | W | – |
| 51 | R | – |
| 52 | L | – |
| 53 | W | – |
| 54 | G | – |
| 55 | R | – |

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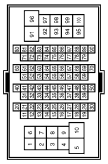
## INTERIOR ROOM LAMP

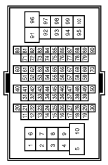
| Connector No. | M6 |
|---|---|
| Connector Name | WIRE TO WIRE |
| Connector Type | TH80MW-CS16-TM4 |





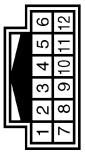
| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | Y | – |
| 3 | L | – |
| 4 | L | – |
| 7 | B | – |
| 8 | P | – |
| 9 | B | – |
| 11 | GR | – |
| 12 | R | – |
| 13 | L | – |
| 14 | G | – |
| 15 | P | – |
| 16 | W | – |
| 17 | BR | – |
| 20 | GR | – |
| 21 | R | – |
| 31 | BR | – |
| 32 | V | – |
| 33 | P | – |
| 34 | L | – |
| 35 | BR | – |
| 36 | SB | – |
| 37 | Y | – |
| 38 | LG | – |
| 39 | SB | – |
| 40 | W | – |
| 41 | LG | – |
| 42 | R | – |
| 43 | G | – [With A/T] |
| 44 | G | – [With M/T] |
| 44 | R | – |
| 45 | O | – |
| 46 | G | – |
| 47 | BR | – |
| 58 | SHIELD | – |
| 59 | L | – |
| 70 | R | – |
| 80 | LG | – |
| 81 | GR | – |
| 82 | V | – |
| 83 | V | – |
| 84 | L | – |
| 85 | BR | – |
| 86 | Y | – |
| 87 | G | – |
| 89 | P | – |
| 91 | W | – |
| 92 | P | – |
| 93 | P | – |
| 94 | Y | – |
| 96 | P | – |
| 97 | GR | – |
| 98 | O | – |
| 99 | W | – |
| 100 | R | – |

| Connector No. | M7 |
|---|---|
| Connector Name | WIRE TO WIRE |
| Connector Type | TH80MW-CS16-TM4 |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | BR | – |
| 2 | O | – |
| 3 | LG | – |
| 4 | O | – |
| 6 | V | – |
| 7 | LG | – |
| 8 | SB | – |
| 9 | GR | – |
| 11 | Y | – |
| 12 | V | – |
| 13 | BR | – |
| 14 | V | – |
| 15 | B | – |
| 16 | V | – |
| 17 | R | – |
| 18 | L | – |
| 20 | SB | – |
| 21 | G | – |
| 22 | GR | – |
| 23 | V | – |
| 24 | R | – |
| 25 | L | – |
| 26 | P | – |
| 27 | B | – |
| 28 | SHIELD | – |
| 31 | W | – |
| 32 | B | – |
| 33 | W | – |
| 34 | R | – |
| 35 | B | – |
| 36 | L | – |
| 40 | L | – |
| 41 | R | – |
| 42 | GR | – |
| 43 | R | – |
| 44 | R | – |
| 45 | O | – |
| 46 | SHIELD | – [Coupe models] |
| 46 | G | – [Roadster models] |
| 47 | R | – |
| 48 | SHIELD | – |
| 51 | V | – |
| 52 | R | – |
| 57 | SHIELD | – |
| 58 | B | – |
| 60 | L | – |
| 61 | R | – |
| 62 | SHIELD | – |
| 63 | R | – |
| 64 | G | – |
| 65 | SHIELD | – |
| 66 | LG | – |
| 67 | V | – |
| 68 | SHIELD | – |
| 69 | L | – |
| 70 | P | – |
| 71 | V | – |
| 72 | P | – |
| 73 | BR | – |
| 74 | GR | – |
| 75 | O | – |
| 80 | Y | – |
| 81 | W | – |
| 82 | BR | – |
| 83 | GR | – |
| 84 | L | – |
| 85 | LG | – |
| 86 | V | – |
| 87 | BR | – |
| 88 | SB | – |
| 93 | Y | – |
| 94 | SB | – [Coupe models] |
| 94 | L | – [Roadster models] |
| 95 | GR | – [Coupe models] |
| 95 | W | – [Roadster models] |
| 96 | L | – |
| 97 | LG | – [Coupe models] |
| 97 | Y | – [Roadster models] |
| 98 | BG | – [Coupe models] |
| 98 | Y/B | – [Roadster models] |
| 99 | W | – |
| 100 | B | – |

| Connector No. | M18 |
|---|---|
| Connector Name | WIRE TO WIRE |
| Connector Type | TH12MW-NH |

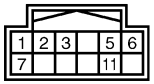


| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | B | – |
| 2 | W | – |
| 3 | R | – |
| 4 | B | – |
| 5 | P | – |
| 6 | R | – |
| 7 | SHIELD | – |
| 8 | R | – |
| 9 | G | – |
| 10 | B | – |
| 11 | G | – |
| 12 | Y | – |

JCLWA4498GB

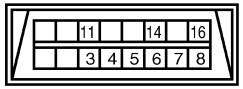
## INTERIOR ROOM LAMP

| | |
|---|---|
| Connector No. | M22 |
| Connector Name | KEY SLOT |
| Connector Type | TH12FW-NH |



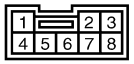

| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | P | BAT |
| 2 | GR | CLOCK |
| 3 | W | DATA |
| 5 | Y | ILL BAT |
| 6 | LG | ILL |
| 7 | B | GND |
| 11 | R | KEY SWITCH SIGNAL |

| | |
|---|---|
| Connector No. | M24 |
| Connector Name | DATA LINK CONNECTOR |
| Connector Type | BD16FW |



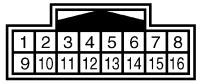

| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 3 | LG | – [Coupe models] |
| 3 | Y | – [Roadster models] |
| 4 | B | – |
| 5 | B | – |
| 6 | L | – |
| 7 | Y | – |
| 8 | G | – |
| 11 | Y | – [Coupe models] |
| 11 | LG | – [Roadster models] |
| 14 | P | – |
| 16 | Y | – |

| | |
|---|---|
| Connector No. | M50 |
| Connector Name | PUSH-BUTTON IGNITION SWITCH |
| Connector Type | TK08FBR |



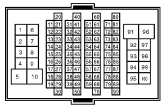

| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | B | – |
| 2 | R | – |
| 3 | G | – |
| 4 | BR | – |
| 5 | GR | – |
| 6 | Y | – |
| 7 | V | – |
| 8 | P | – |

| | |
|---|---|
| Connector No. | M106 |
| Connector Name | WIRE TO WIRE |
| Connector Type | TH16MW-NH |




| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 4 | W | – |
| 5 | R | – |
| 6 | B | – |
| 7 | P | – |
| 8 | R | – |
| 11 | B | – |
| 12 | G | – |
| 13 | Y | – |
| 14 | SHIELD | – |
| 15 | R | – |
| 16 | G | – |

| | |
|---|---|
| Connector No. | M117 |
| Connector Name | WIRE TO WIRE |
| Connector Type | TH80MW-CS16-TM4 |




| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 2 | GR | – [Coupe models] |
| 2 | LG | – [Roadster models] |
| 3 | O | – [Coupe models] |
| 3 | B | – [Roadster models] |
| 4 | W | – |
| 7 | LG | – [Coupe models] |
| 7 | Y | – [Roadster models] |
| 8 | LG | – |
| 9 | Y | – |
| 11 | R | – |
| 20 | G | – |
| 21 | R | – |
| 30 | B | – |
| 40 | O | – |
| 41 | Y | – |
| 42 | G | – |
| 43 | L | – |
| 44 | SB | – |
| 51 | R | – |
| 52 | G | – |
| 53 | SHIELD | – |
| 54 | LG | – |
| 55 | V | – |
| 56 | SHIELD | – |
| 57 | G | – [Coupe models] |
| 57 | P | – [Roadster models] |
| 58 | R | – [Coupe models] |
| 58 | L | – [Roadster models] |
| 59 | B | – |
| 60 | W | – |
| 61 | GR | – |
| 62 | B | – |
| 63 | Y | – |
| 64 | L | – |
| 65 | G | – |
| 66 | O | – |
| 67 | V | – |
| 68 | P | – |
| 69 | L | – |
| 70 | L | – |
| 72 | B | – |
| 73 | B | – |
| 74 | B | – |
| 75 | B | – |
| 76 | B | – |
| 80 | L | – |
| 81 | Y | – |
| 82 | W | – |
| 83 | B | – |
| 84 | R | – |
| 85 | G | – |
| 86 | SHIELD | – |
| 87 | G | – |
| 88 | L | – |
| 89 | P | – [Coupe models] |
| 89 | Y | – [Roadster models] |
| 90 | SHIELD | – |
| 92 | G | – [Coupe models] |
| 92 | LG | – [Roadster models] |
| 93 | R | – [Coupe models] |
| 93 | V | – [Roadster models] |
| 94 | SHIELD | – [Coupe models] |
| 94 | G | – [Roadster models] |
| 95 | SB | – [Coupe models] |
| 95 | LG | – [Roadster models] |
| 97 | LG | – [Coupe models] |
| 97 | Y | – [Roadster models] |
| 98 | V | – [Coupe models] |
| 98 | Y/B | – [Roadster models] |
| 99 | G | – |
| 100 | BR | – [Coupe models] |
| 100 | Y | – [Roadster models] |

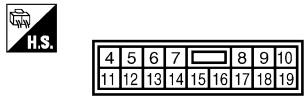
JCLWA4499GB

## INTERIOR ROOM LAMP

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

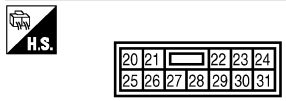

| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | W | BAT (F/L) |
| 2 | W | POWER WINDOW POWER SUPPLY (BAT) |
| 3 | Y | POWER WINDOW POWER SUPPLY (IGN) |

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



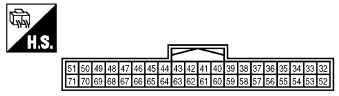

| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 4 | R | INTERIOR ROOM LAMP POWER SUPPLY |
| 5 | G | SUPER LOCK OUTPUT |
| 8 | V | ALL DOOR, FUEL LID LOCK OUTPUT |
| 9 | G | DRIVER DOOR, FUEL LID UNLOCK OUTPUT |
| 11 | BR | BAT (FUSE) |
| 13 | B | GND |
| 14 | R | PUSH-BUTTON IGNITION SW ILL POWER |
| 15 | Y | ACC IND |
| 17 | W | TURN SIGNAL RH (FRONT, SIDE) |
| 18 | O | TURN SIGNAL LH (FRONT, SIDE) |
| 19 | P | ROOM LAMP TIMER CONTROL |

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




| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 20 | V | TURN SIGNAL RH (REAR) |
| 23 | L | BACK DOOR OPEN OUTPUT [Coupe models] |
| 23 | Y | TRUNK LID OPEN OUTPUT [Roadster models] |
| 24 | O | REAR FOG OUTPUT |
| 25 | LG | TURN SIGNAL LH (REAR) |
| 30 | R | LUGGAGE ROOM LAMP OUTPUT |

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

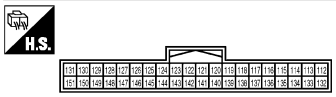



| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 34 | G | LUGGAGE ROOM ANT- |
| 35 | R | LUGGAGE ROOM ANT+ |
| 38 | B | BACK DOOR ANT- |
| 39 | W | BACK DOOR ANT+ |
| 47 | V | IGN RELAY (IPDM E/R) CONT |
| 52 | SB | STARTER RELAY CONT |
| 61 | W | BACK DOOR REQUEST SW [Coupe models] |
| 61 | W | TRUNK LID REQUEST SW [Roadster models] |
| 64 | G | I-KEY WARN BUZZER (ENG ROOM) |
| 66 | R | BACK DOOR SW [Coupe models] |
| 66 | R | TRUNK ROOM LAMP SW [Roadster models] |
| 67 | GR | BACK DOOR OPENER SW [Coupe models] |
| 67 | GR | TRUNK LID OPENER SW [Roadster models] |

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


| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 72 | L | ROOM ANT 2- |
| 73 | P | ROOM ANT 2+ |
| 74 | SB | PASSENGER DOOR ANT- |
| 75 | BR | PASSENGER DOOR ANT+ |
| 76 | V | DRIVER DOOR ANT- |
| 77 | LG | DRIVER DOOR ANT+ |
| 78 | L | ROOM ANT 1- |
| 79 | R | ROOM ANT 1+ |
| 80 | GR | NATS ANT AMP. |
| 81 | W | NATS ANT AMP. |
| 82 | R | IGN RELAY (F/B) CONT |
| 83 | GR | KYLS ENT RECEIVER (FRONT) COMM |
| 87 | BR | COMBI SW INPUT 5 |
| 88 | V | COMBI SW INPUT 3 |
| 89 | BR | PUSH SW |
| 90 | P | CAN-L |
| 91 | L | CAN-H |
| 92 | LG | KEY SLOT ILL |
| 93 | V | ON IND |
| 95 | O | ACC RELAY CONT |
| 96 | Y | A/T SHIFT SELECTOR POWER SUPPLY |
| 97 | L | S/L CONDITION 1 |
| 98 | P | S/L CONDITION 2 |
| 99 | R | CLUTCH PEDAL POS SW [With M/T] |
| 99 | R | SHIFT P [With A/T] |
| 100 | GR | PASSENGER DOOR REQUEST SW |
| 101 | Y | DRIVER DOOR REQUEST SW |
| 102 | O | BLOWER FAN MOTOR RELAY CONT |
| 103 | LG | KYLS ENT RECEIVER (FRONT) PWR SUPPLY |
| 106 | W | S/L UNIT POWER SUPPLY |
| 107 | LG | COMBI SW INPUT 1 |
| 108 | R | COMBI SW INPUT 4 |
| 109 | Y | COMBI SW INPUT 2 |
| 110 | P | HAZARD SW |
| 111 | Y | S/L UNIT COMM |

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

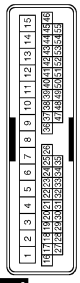



| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 113 | O | OPTICAL SENSOR |
| 114 | R | CLUTCH INTERLOCK SW |
| 115 | O | SHOCK SENSOR |
| 116 | SB | STOP LAMP SW 1 |
| 118 | P | STOP LAMP SW 2 |
| 119 | SB | DR DOOR UNLOCK SENSOR |
| 121 | R | KEY SLOT SW |
| 123 | W | IGN F/B |
| 124 | LG | PASSENGER DOOR SW |
| 129 | O | TRUNK LID OPENER CANCEL SW |
| 130 | L | REAR DEFOGGER SW |
| 132 | V | P/W SW & SOFT TOP C/U COMM [Roadster models] |
| 132 | Y | POWER WINDOW SW COMM [Coupe models] |
| 133 | G | PUSH BUTTON IGNITION SW ILL POWER |
| 134 | GR | LOCK IND |
| 137 | P | RECEIVER/SENSOR GND |
| 138 | V | RECEIVER / SENSOR POWER SUPPLY |
| 139 | L | TIRE PRESS/KYLS ENT (REAR) RECEIV COMM |
| 140 | G | P/N POSITION SW [With M/T] |
| 140 | G | SHIFT N/P [With A/T] |
| 141 | Y | SECURITY INDICATOR |
| 142 | O | COMBI SW OUTPUT 5 |
| 143 | P | COMBI SW OUTPUT 1 |
| 144 | G | COMBI SW OUTPUT 2 |
| 145 | L | COMBI SW OUTPUT 3 |
| 146 | SB | COMBI SW OUTPUT 4 |
| 150 | GR | DRIVER DOOR SW |
| 151 | G | REAR WINDOW DEFOGGER RELAY CONT |

JCLWA4500GB

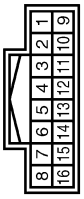
## INTERIOR ROOM LAMP

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



| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 10 | G | – |
| 11 | V | – |
| 12 | LG | – |
| 13 | V | – |
| 14 | B | – |
| 15 | W | – |
| 19 | Y | – |
| 23 | Y/B | – |
| 44 | O | – |
| 50 | Y | – |
| 51 | Y | – |
| 52 | GR | – |
| 53 | W | – |
| 54 | G | – |
| 55 | R | – |

| Connector No. | R1 |
|---|---|
| Connector Name | WIRE TO WIRE |
| Connector Type | TH16FW-NH |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 4 | W | – |
| 5 | R | – |
| 6 | B | – |
| 7 | P | – |
| 8 | R | – |
| 11 | B | – |
| 12 | Y | – |
| 13 | G | – |
| 14 | SHIELD | – |
| 15 | R | – |
| 16 | G | – |

| Connector No. | R2 |
|---|---|
| Connector Name | VANITY MIRROR LAMP LH |
| Connector Type | MCA02FW |

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

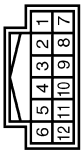
| Connector No. | R3 |
|---|---|
| Connector Name | VANITY MIRROR LAMP RH |
| Connector Type | MCA02FW |

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

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

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

| Connector No. | R11 |
|---|---|
| Connector Name | WIRE TO WIRE |
| Connector Type | TH12FW-NH |



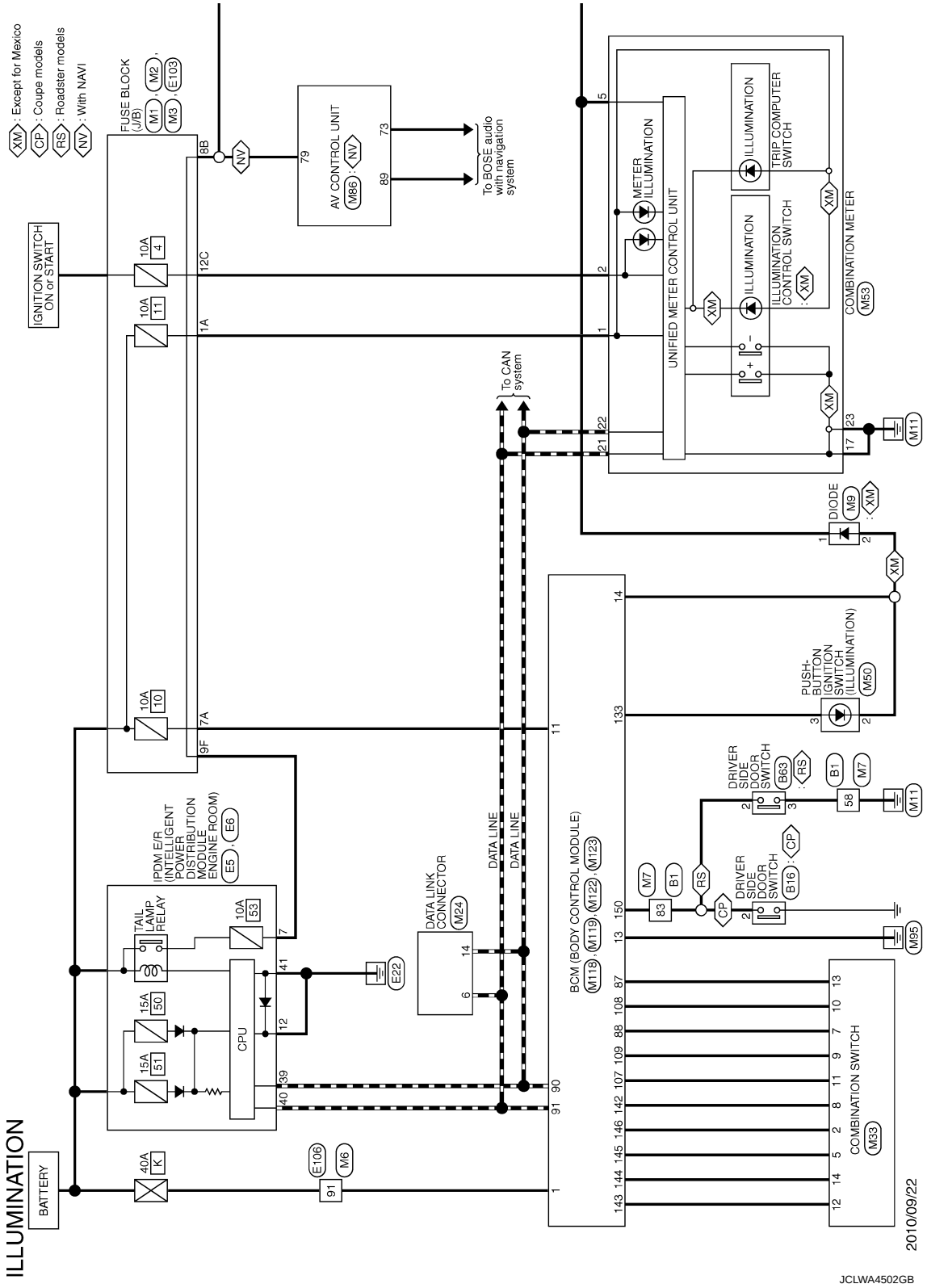
| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | SB | – |
| 2 | B | – |
| 3 | R | – |
| 4 | B | – |
| 5 | V | – |
| 6 | R | – |
| 7 | SHIELD | – |
| 8 | R | – |
| 9 | G | – |
| 10 | B | – |
| 11 | G | – |
| 12 | Y | – |

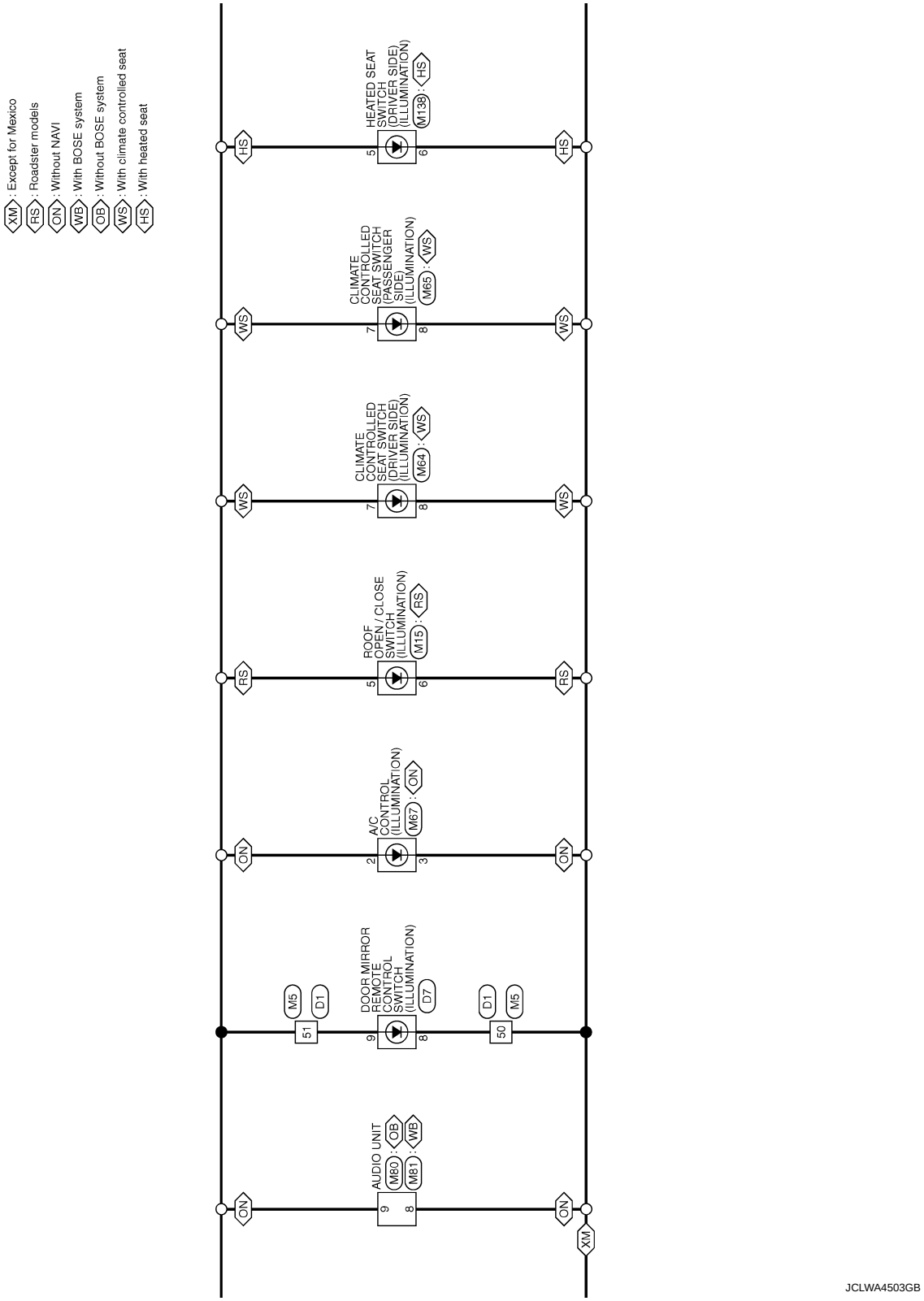
JCLWA4501GB

# ILLUMINATION

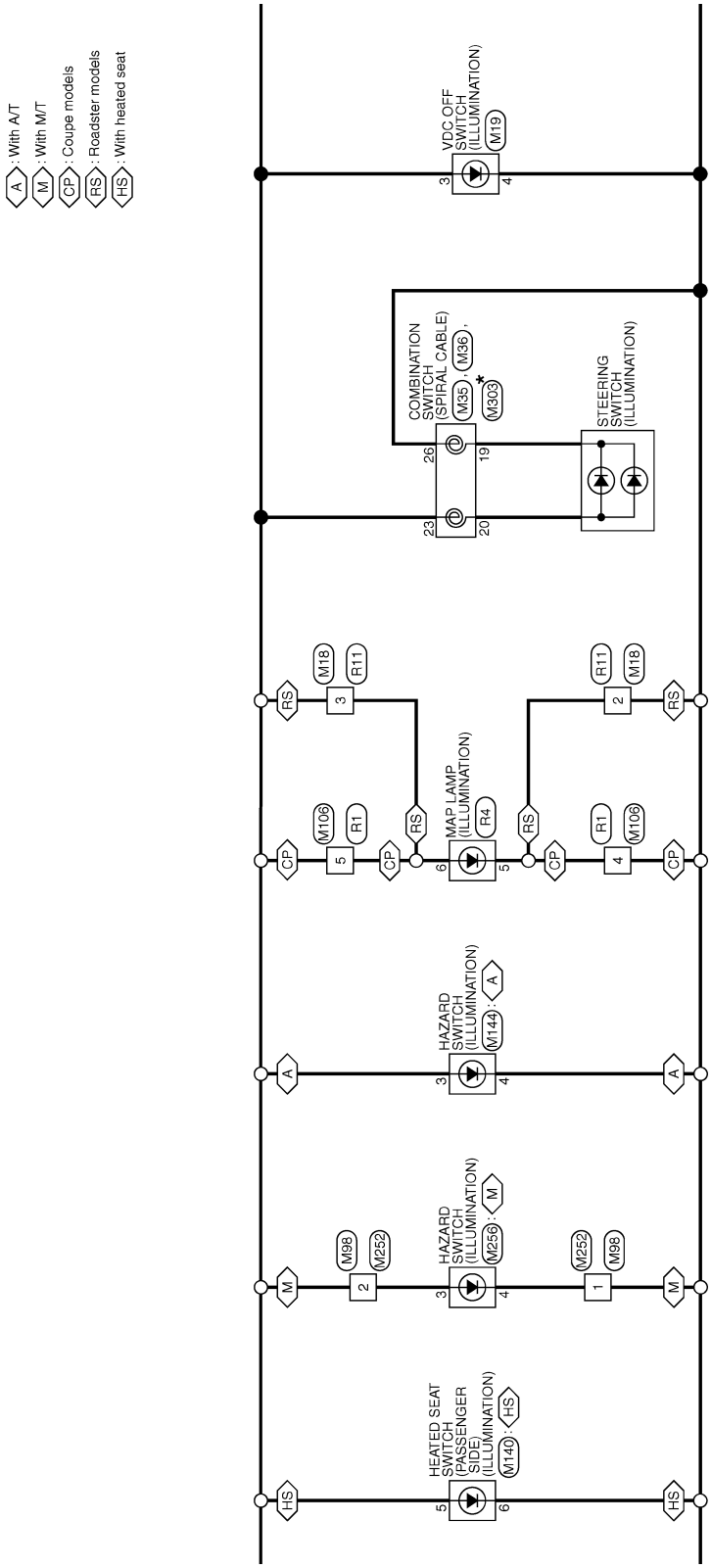
## Wiring Diagram

INFOID:0000000006349878



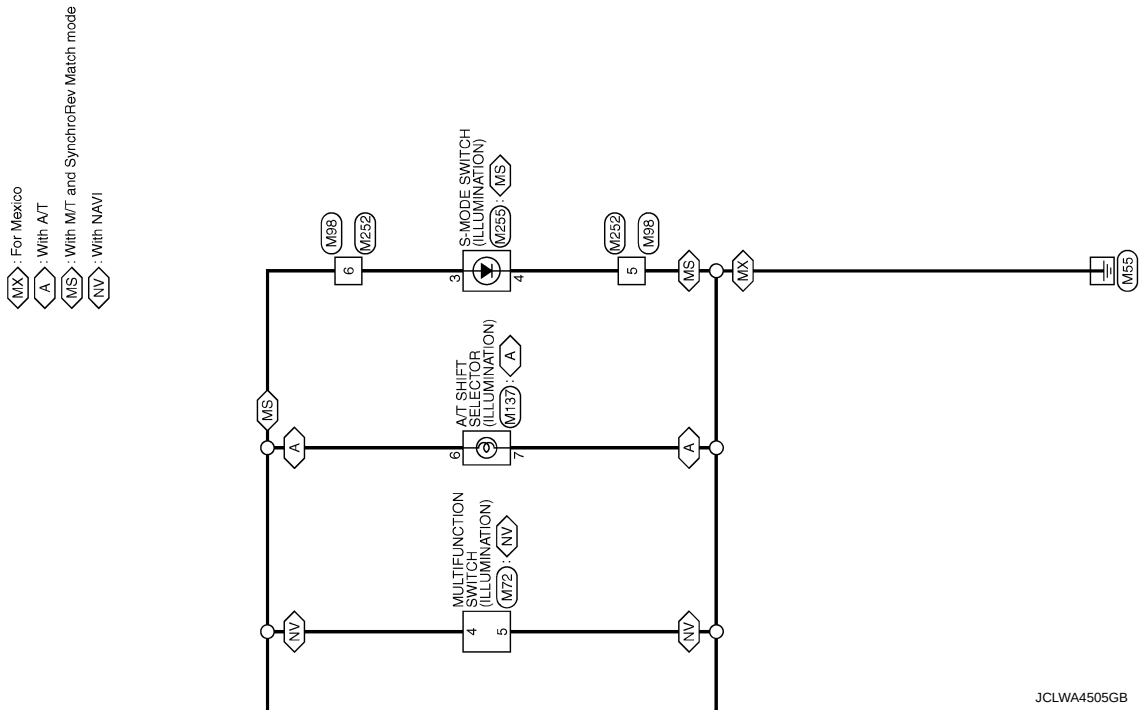



JCLWA4503GB



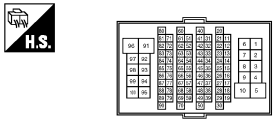

* : This connector is not shown in "Harness Layout".

JCLWA4504GB


MX : For Mexico
A : With A/T
MS : With M/T and SynchroRev Match mode
NV : With NAVI
MS
A
NV
MULTIFUNCTION SWITCH (ILLUMINATION)
M72
NV
4
5
A/T SHIFT SELECTOR (ILLUMINATION)
M137
A
6
7
S-MODE SWITCH (ILLUMINATION)
M255
MS
3
4
M98
M252
6
M252
M98
5
MS
MX
M55
JCLWA4505GB

## ILLUMINATION

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



| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | G | – |
| 2 | BG | – |
| 3 | Y | – |
| 4 | W | – |
| 6 | V | – |
| 7 | LG | – |
| 8 | GR | – |
| 9 | SB | – |
| 11 | Y | – |
| 12 | W | – |
| 13 | BR | – |
| 14 | LG | – |
| 15 | B | – |
| 16 | V | – |
| 17 | R | – |
| 18 | B | – |
| 20 | SB | – |
| 21 | G | – |
| 22 | GR | – |
| 23 | V | – |
| 24 | BG | – |
| 25 | L | – |
| 26 | P | – |
| 27 | W | – |
| 28 | SHIELD | – |
| 31 | W | – |
| 32 | B | – |
| 33 | P | – [Coupe models] |
| 33 | W | – [Roadster models] |
| 34 | R | – |
| 35 | W | – [Coupe models] |
| 35 | B | – [Roadster models] |
| 36 | B | – |
| 40 | Y | – |
| 41 | L | – |
| 42 | GR | – |
| 43 | BR | – |
| 44 | R | – |
| 45 | BG | – |
| 46 | SHIELD | – [Coupe models] |
| 46 | SB | – [Roadster models] |
| 47 | V | – |
| 48 | SHIELD | – |
| 51 | W | – |
| 52 | R | – |
| 57 | SHIELD | – |
| 58 | B | – |
| 60 | V | – |
| 61 | SB | – |
| 62 | SHIELD | – |
| 63 | BR | – |
| 64 | Y | – |
| 65 | SHIELD | – |
| 66 | P | – |
| 67 | L | – |
| 68 | SHIELD | – |
| 69 | R | – |
| 70 | G | – |
| 71 | V | – |
| 72 | P | – |
| 73 | BR | – |
| 74 | GR | – |
| 75 | BG | – |
| 80 | Y | – |
| 81 | R | – |
| 82 | B | – |
| 83 | GR | – |
| 84 | G | – [Coupe models] |
| 84 | L | – [Roadster models] |
| 85 | LG | – |
| 86 | V | – |
| 87 | BR | – |
| 88 | GR | – |
| 93 | Y | – |
| 94 | L | – [Coupe models] |
| 94 | G | – [Roadster models] |
| 95 | GR | – [Coupe models] |
| 95 | LG | – [Roadster models] |
| 96 | L | – |
| 97 | Y | – |
| 98 | W | – [Coupe models] |
| 98 | Y/B | – [Roadster models] |
| 99 | LG | – |
| 100 | B | – |

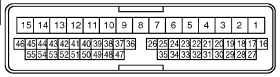
| | |
|---|---|
| Connector No. | B16 |
| Connector Name | DRIVER SIDE DOOR SWITCH |
| Connector Type | A03FW |

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

| | |
|---|---|
| Connector No. | B63 |
| Connector Name | DRIVER SIDE DOOR SWITCH |
| Connector Type | A03FW |

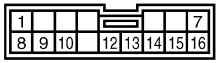
| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 2 | GR | – |
| 3 | B | – |

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



| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 7 | Y | – |
| 8 | Y | – |
| 9 | G | – |
| 10 | BG | – |
| 11 | P | – [With BOSE system] |
| 11 | V | – [Without BOSE system] |
| 12 | L | – |
| 13 | B | – |
| 14 | SB | – [Coupe models] |
| 14 | Y | – [Roadster models] |
| 15 | W | – |
| 19 | G | – |
| 23 | R | – |
| 44 | L | – |
| 47 | B | – |
| 48 | SB | – |
| 49 | W | – |
| 50 | LG | – |
| 51 | R | – |
| 52 | V | – |
| 53 | BG | – |
| 54 | GR | – |
| 55 | G | – |

| | |
|---|---|
| Connector No. | D7 |
| Connector Name | DOOR MIRROR REMOTE CONTROL SWITCH |
| Connector Type | TK16FW |

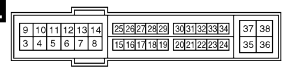


| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | B | – |
| 7 | V | – |
| 8 | LG | – |
| 9 | R | – |
| 10 | Y | – |
| 12 | G | – |
| 13 | GR | – |
| 14 | L | – |
| 15 | BG | – |
| 16 | BR | – |

JCLWA4506GB

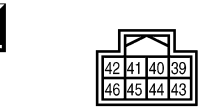
## ILLUMINATION

| | |
|---|---|
| Connector No. | E5 |
| Connector Name | IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) |
| Connector Type | TH20FW-CS12-M4-1V |



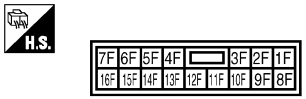

| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 4 | V | – |
| 5 | L | – |
| 6 | R | – |
| 7 | R | – [Coupe models] |
| 7 | V | – [Roadster models] |
| 11 | BR | – |
| 12 | B/W | – |
| 13 | Y | – |
| 16 | LG | – |
| 19 | W | – |
| 25 | G | – |
| 27 | Y | – |
| 28 | L | – |
| 30 | GR | – |
| 32 | L | – |
| 33 | P | – |
| 36 | G | – |

| | |
|---|---|
| Connector No. | E6 |
| Connector Name | IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) |
| Connector Type | TH08FW-NH |



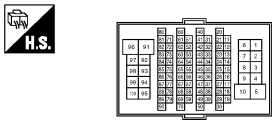

| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 39 | P | – |
| 40 | L | – |
| 41 | B/W | – |
| 42 | Y | – |
| 43 | SB | – |
| 44 | W | – |
| 45 | G | – |
| 46 | V | – |

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



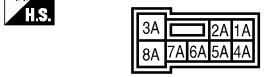

| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 1F | SB | – |
| 2F | W | – |
| 4F | G | – |
| 6F | BG | – |
| 8F | L | – |
| 9F | R | – [Coupe models] |
| 9F | V | – [Roadster models] |

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



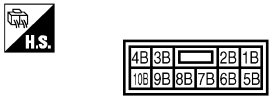

| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | Y | – |
| 3 | L | – |
| 4 | L | – |
| 7 | B | – |
| 8 | P | – |
| 9 | B | – |
| 11 | V | – |
| 12 | R | – |
| 13 | L | – |
| 14 | GR | – |
| 15 | P | – |
| 16 | W | – |
| 17 | SB | – |
| 20 | LG | – |
| 21 | BR | – [Coupe models] |
| 21 | G | – [Roadster models] |
| 31 | L | – |
| 32 | Y | – |
| 33 | P | – |
| 34 | L | – |
| 35 | BR | – |
| 36 | V | – |
| 37 | Y | – |
| 38 | R | – |
| 39 | B | – |
| 40 | W | – |
| 41 | LG | – |
| 42 | SB | – |
| 43 | G | – |
| 44 | GR | – [Except for roadster models with M/T] |
| 44 | R | – [Roadster models with M/T] |
| 45 | BG | – |
| 46 | W | – |
| 47 | P | – |
| 58 | SHIELD | – |
| 59 | L | – |
| 70 | P | – |
| 80 | W | – |
| 81 | P | – |
| 82 | G | – |
| 83 | V | – |
| 84 | L | – |
| 85 | BG | – |
| 86 | LG | – |
| 87 | R | – |
| 89 | P | – |
| 91 | W | – |
| 92 | L | – |
| 93 | G | – |
| 94 | Y | – |
| 96 | Y | – |
| 97 | BR | – |
| 98 | GR | – |
| 99 | LG | – |
| 100 | BG | – |

| | |
|---|---|
| Connector No. | M1 |
| Connector Name | FUSE BLOCK (J/B) |
| Connector Type | NS06FW-M2 |




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

| | |
|---|---|
| Connector No. | M2 |
| Connector Name | FUSE BLOCK (J/B) |
| Connector Type | NS10FW-CS |

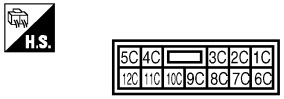



| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 3B | P | – |
| 4B | G | – |
| 5B | O | – |
| 6B | Y | – |
| 8B | R | – |
| 9B | SB | – |

JCLWA4507GB

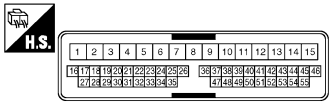
## ILLUMINATION

| | |
|---|---|
| Connector No. | M3 |
| Connector Name | FUSE BLOCK (J/B) |
| Connector Type | NS12FW-CS |



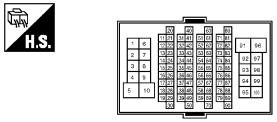

| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 6C | R | – |
| 7C | B | – |
| 9C | O | – |
| 10C | L | – |
| 11C | LG | – |
| 12C | O | – |

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




| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 7 | Y | – |
| 8 | Y | – |
| 9 | G | – |
| 10 | V | – |
| 11 | V | – |
| 12 | L | – |
| 13 | B | – |
| 14 | Y | – |
| 15 | W | – |
| 19 | Y | – |
| 23 | Y/B | – |
| 44 | L | – |
| 47 | B | – |
| 48 | SB | – |
| 49 | Y | – |
| 50 | W | – |
| 51 | R | – |
| 52 | L | – |
| 53 | W | – |
| 54 | G | – |
| 55 | R | – |

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

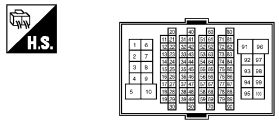



| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | Y | – |
| 3 | L | – |
| 4 | L | – |
| 7 | B | – |
| 8 | P | – |
| 9 | B | – |
| 11 | GR | – |
| 12 | R | – |
| 13 | L | – |
| 14 | G | – |
| 15 | P | – |
| 16 | W | – |
| 17 | BR | – |
| 20 | GR | – |
| 21 | R | – |
| 31 | BR | – |
| 32 | V | – |
| 33 | P | – |
| 34 | L | – |
| 35 | BR | – |
| 36 | SB | – |
| 37 | Y | – |
| 38 | LG | – |
| 39 | SB | – |
| 40 | W | – |
| 41 | LG | – |
| 42 | R | – |
| 43 | G | – |
| 44 | G | – [With A/T] |
| 44 | R | – [With M/T] |
| 45 | O | – |
| 46 | G | – |
| 47 | BR | – |
| 58 | SHIELD | – |
| 59 | L | – |
| 70 | R | – |
| 80 | LG | – |
| 81 | GR | – |
| 82 | V | – |
| 83 | V | – |
| 84 | L | – |
| 85 | BR | – |
| 86 | Y | – |
| 87 | G | – |
| 89 | P | – |
| 91 | W | – |
| 92 | P | – |
| 93 | P | – |
| 94 | Y | – |
| 96 | P | – |
| 97 | GR | – |
| 98 | O | – |
| 99 | W | – |
| 100 | R | – |

JCLWA4508GB

## ILLUMINATION

| Connector No. | M7 |
|---|---|
| Connector Name | WIRE TO WIRE |
| Connector Type | TH80MW-CS16-TM4 |

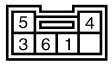


| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | BR | – |
| 2 | O | – |
| 3 | LG | – |
| 4 | O | – |
| 6 | V | – |
| 7 | LG | – |
| 8 | SB | – |
| 9 | GR | – |
| 11 | Y | – |
| 12 | V | – |
| 13 | BR | – |
| 14 | V | – |
| 15 | B | – |
| 16 | V | – |
| 17 | R | – |
| 18 | L | – |
| 20 | SB | – |
| 21 | G | – |
| 22 | GR | – |
| 23 | V | – |
| 24 | R | – |
| 25 | L | – |
| 26 | P | – |
| 27 | B | – |
| 28 | SHIELD | – |
| 31 | W | – |
| 32 | B | – |
| 33 | W | – |
| 34 | R | – |
| 35 | B | – |
| 36 | L | – |
| 40 | L | – |
| 41 | R | – |
| 42 | GR | – |
| 43 | R | – |
| 44 | R | – |
| 45 | O | – |
| 46 | SHIELD | – [Coupe models] |
| 46 | G | – [Roadster models] |
| 47 | R | – |
| 48 | SHIELD | – |
| 51 | V | – |
| 52 | R | – |
| 57 | SHIELD | – |
| 58 | B | – |
| 60 | L | – |
| 61 | R | – |
| 62 | SHIELD | – |
| 63 | R | – |
| 64 | G | – |
| 65 | SHIELD | – |
| 66 | LG | – |
| 67 | V | – |
| 68 | SHIELD | – |
| 69 | L | – |
| 70 | P | – |
| 71 | V | – |
| 72 | P | – |
| 73 | BR | – |
| 74 | GR | – |
| 75 | O | – |
| 80 | Y | – |
| 81 | W | – |
| 82 | BR | – |
| 83 | GR | – |
| 84 | L | – |
| 85 | LG | – |
| 86 | V | – |
| 87 | BR | – |
| 88 | SB | – |
| 93 | Y | – |
| 94 | SB | – [Coupe models] |
| 94 | L | – [Roadster models] |
| 95 | GR | – [Coupe models] |
| 95 | W | – [Roadster models] |
| 96 | L | – |
| 97 | LG | – [Coupe models] |
| 97 | Y | – [Roadster models] |
| 98 | BG | – [Coupe models] |
| 98 | Y/B | – [Roadster models] |
| 99 | W | – |
| 100 | B | – |

| Connector No. | M9 |
|---|---|
| Connector Name | DIODE |
| Connector Type | 24335 C9900 |

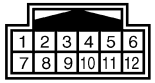
| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | W | – |
| 2 | R | – |

| Connector No. | M15 |
|---|---|
| Connector Name | ROOF OPEN / CLOSE SWITCH |
| Connector Type | TK06FW-1V |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | B | – |
| 3 | V | – |
| 4 | BR | – |
| 5 | R | – |
| 6 | R | – |

| Connector No. | M18 |
|---|---|
| Connector Name | WIRE TO WIRE |
| Connector Type | TH12MW-NH |



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

| Connector No. | M19 |
|---|---|
| Connector Name | VDC OFF SWITCH |
| Connector Type | TK04FW |

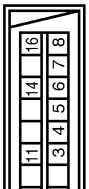
| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | LG | – |
| 2 | B | – |
| 3 | R | – |
| 4 | W | – |

JCLWA4509GB

## ILLUMINATION

| Connector No. | M24 |
|---|---|
| Connector Name | DATA LINK CONNECTOR |
| Connector Type | BD16FW |

H.S.




| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 3 | LG | – [Coupe models] |
| 3 | Y | – [Roadster models] |
| 4 | B | – |
| 5 | B | – |
| 6 | L | – |
| 7 | Y | – |
| 8 | G | – |
| 11 | Y | – [Coupe models] |
| 11 | LG | – [Roadster models] |
| 14 | P | – |
| 16 | Y | – |

| Connector No. | M33 |
|---|---|
| Connector Name | COMBINATION SWITCH |
| Connector Type | TH16FW-NH |

H.S.


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

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

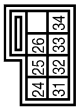
| Connector No. | M35 |
|---|---|
| Connector Name | COMBINATION SWITCH (SPIRAL CABLE) |
| Connector Type | TK06FY-EX-IV |

H.S.


| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 23 | W | – |
| 28 | Y | – |
| 29 | Y | – |
| 30 | Y | – |

| Connector No. | M36 |
|---|---|
| Connector Name | COMBINATION SWITCH (SPIRAL CABLE) |
| Connector Type | TK08FGY-IV |

H.S.




| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 24 | P | – |
| 25 | SB | – |
| 26 | W | – |
| 31 | L | – |
| 32 | Y | – |
| 33 | B | – |
| 34 | LG | – |

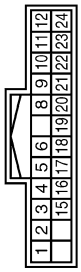
| Connector No. | M50 |
|---|---|
| Connector Name | PUSH-BUTTON IGNITION SWITCH |
| Connector Type | TK08FBR |

H.S.


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

| Connector No. | M53 |
|---|---|
| Connector Name | COMBINATION METER |
| Connector Type | TH24FW-NH |

H.S.




| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | V | BATTERY POWER SUPPLY |
| 2 | O | IGNITION POWER SUPPLY |
| 3 | L | VEHICLE SPEED SIGNAL (2-PULSE) |
| 4 | Y | VEHICLE SPEED SIGNAL (8-PULSE) [Except for Mexico] |
| 4 | V | VEHICLE SPEED SIGNAL (8-PULSE) [For Mexico] |
| 5 | B | ILLUMINATION CONTROL SIGNAL |
| 6 | R | ROOF STATUS SIGNAL |
| 9 | BR | COMMUNICATION SIGNAL (METER->TRIPLE METER) |
| 10 | L | COMMUNICATION SIGNAL (TRIPLE METER->METER) |
| 12 | G | S-MODE SWITCH SIGNAL |
| 15 | L | ACC POWER SUPPLY |
| 16 | R | AIR BAG SIGNAL |
| 17 | B | GROUND |
| 18 | V | AMBIENT SENSOR SIGNAL |

| 19 | G | A/C AUTO AMP. CONNECTION RECOGNITION SIGNAL |
|---|---|---|
| 20 | GR | AMBIENT SENSOR GROUND |
| 21 | L | CAN-H |
| 22 | P | CAN-L |
| 23 | B | GROUND |
| 24 | Y | FUEL LEVEL SENSOR GROUND |

| Connector No. | M64 |
|---|---|
| Connector Name | CLIMATE CONTROLLED SEAT SWITCH (DRIVER SIDE) |
| Connector Type | TK10FW |

H.S.


| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | O | – |
| 2 | V | – |
| 3 | P | – |
| 4 | BR | – |
| 5 | GR | – |
| 6 | B | – |
| 7 | R | – |
| 8 | R | – |

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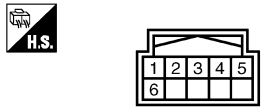
## ILLUMINATION

| Connector No. | M65 |
|---|---|
| Connector Name | CLIMATE CONTROLLED SEAT SWITCH (PASSENGER SIDE) |
| Connector Type | TK08FBR |

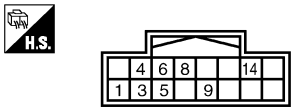

| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | SB | – |
| 2 | G | – |
| 3 | L | – |
| 4 | O | – |
| 5 | Y | – |
| 6 | B | – |
| 7 | R | – |
| 8 | R | – |

| Connector No. | M67 |
|---|---|
| Connector Name | A/C CONTROL |
| Connector Type | TH10FB-NH |



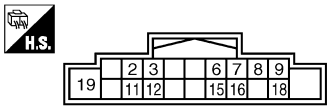

| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | G | IGNITION POWER SUPPLY |
| 2 | R | ILL+ |
| 3 | W | ILL- |
| 4 | P | TX (SW>AMP) |
| 5 | L | RX (AMP>SW) |
| 6 | B | GROUND |

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



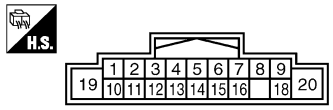

| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | B | GND |
| 3 | L | ACC |
| 4 | R | ILL |
| 5 | W | ILL CONT |
| 6 | LG | AV COMM (H) [Coupe models] |
| 6 | L | AV COMM (H) [Roadster models] |
| 8 | Y | AV COMM (L) [Coupe models] |
| 8 | P | AV COMM (L) [Roadster models] |
| 9 | BR | SW GND |
| 14 | SB | DISK EJECT SIGNAL |

| Connector No. | M80 |
|---|---|
| Connector Name | AUDIO UNIT |
| Connector Type | TH18FW-CS2 |



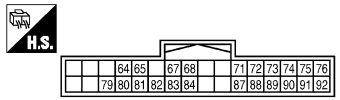

| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 2 | L | SOUND SIGNAL FRONT SPEAKER LH (+) |
| 3 | V | SOUND SIGNAL FRONT SPEAKER LH (–) |
| 6 | P | STRG SW A |
| 7 | L | ACC |
| 8 | W | ILL (–) |
| 9 | R | ILL (+) |
| 11 | V | SOUND SIGNAL FRONT SPEAKER RH (+) |
| 12 | LG | SOUND SIGNAL FRONT SPEAKER RH (–) |
| 15 | B | STRG SW GND |
| 16 | L | STRG SW B |
| 19 | Y | BATTERY |

| Connector No. | M81 |
|---|---|
| Connector Name | AUDIO UNIT |
| Connector Type | TH18FW-CS2 |



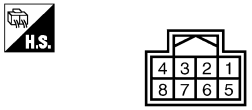

| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | V | BOSE AMP. ON SIGNAL |
| 2 | LG | SOUND SIGNAL FRONT LH (+) |
| 3 | V | SOUND SIGNAL FRONT LH (–) |
| 4 | L | SOUND SIGNAL REAR LH (+) |
| 5 | R | SOUND SIGNAL REAR LH (–) |
| 6 | W | STRG SW A [Except for Mexico] |
| 6 | P | STRG SW A [For Mexico] |
| 7 | L | ACC |
| 8 | W | ILL (–) |
| 9 | R | ILL (+) |
| 10 | SHIELD | SHIELD |
| 11 | L | SOUND SIGNAL FRONT RH (+) |
| 12 | P | SOUND SIGNAL FRONT RH (–) |
| 13 | R | SOUND SIGNAL REAR RH (+) |
| 14 | G | SOUND SIGNAL REAR RH (–) |
| 15 | B | STRG SW GND |
| 16 | GR | STRG SW B [Except for Mexico] |
| 16 | L | STRG SW B [For Mexico] |
| 18 | Y | VEHICLE SPEED SIGNAL (8-PULSE) |
| 19 | Y | BATTERY |
| 20 | SHIELD | SHIELD |

| Connector No. | M86 |
|---|---|
| Connector Name | AV CONTROL UNIT |
| Connector Type | TH32FW-NH |




| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 65 | O | PARKING BRAKE SIGNAL |
| 67 | L | COMPOSITE IMAGE GND |
| 68 | G | COMPOSITE IMAGE SIGNAL |
| 71 | SHIELD | MICROPHONE GND |
| 72 | R | MICROPHONE VCC |
| 73 | G | COMM (CONT->DISP) |
| 74 | P | CAN-L [Coupe models] |
| 74 | L | CAN-L [Roadster models] |
| 75 | LG | AV COMM (L) [Coupe models] |
| 75 | Y | AV COMM (L) [Roadster models] |
| 76 | LG | AV COMM (L) [Coupe models] |
| 76 | Y | AV COMM (L) [Roadster models] |
| 79 | R | ILL+ |
| 80 | G | IGNITION SIGNAL |
| 81 | O | REVERSE SIGNAL |
| 82 | Y | VEHICLE SPEED SIGNAL (8-PULSE) |
| 83 | B | SHIELD |
| 84 | Y | – |
| 87 | G | MICROPHONE SIGNAL |
| 89 | R | COMM (DISP->CONT) |
| 90 | L | CAN-H [Coupe models] |
| 90 | P | CAN-H [Roadster models] |
| 91 | Y | AV COMM (H) [Coupe models] |
| 91 | LG | AV COMM (H) [Roadster models] |
| 92 | Y | AV COMM (H) [Coupe models] |
| 92 | LG | AV COMM (H) [Roadster models] |

| Connector No. | M98 |
|---|---|
| Connector Name | WIRE TO WIRE |
| Connector Type | TH08FW-NH |




| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | B | – |
| 2 | R | – |
| 3 | GR | – |
| 4 | P | – |
| 5 | B | – |
| 6 | L | – |
| 7 | B | – |
| 8 | G | – |

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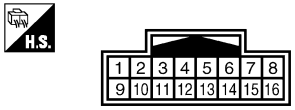
## ILLUMINATION

| | |
|---|---|
| Connector No. | M106 |
| Connector Name | WIRE TO WIRE |
| Connector Type | TH16MW-NH |

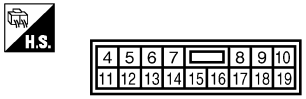



| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 4 | W | – |
| 5 | R | – |
| 6 | B | – |
| 7 | P | – |
| 8 | R | – |
| 11 | B | – |
| 12 | G | – |
| 13 | Y | – |
| 14 | SHIELD | – |
| 15 | R | – |
| 16 | G | – |

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

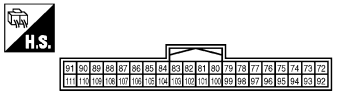

| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | W | BAT (F/L) |
| 2 | W | POWER WINDOW POWER SUPPLY (BAT) |
| 3 | Y | POWER WINDOW POWER SUPPLY (IGN) |

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



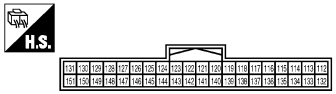

| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 4 | R | INTERIOR ROOM LAMP POWER SUPPLY |
| 5 | G | SUPER LOCK OUTPUT |
| 8 | V | ALL DOOR, FUEL LID LOCK OUTPUT |
| 9 | G | DRIVER DOOR, FUEL LID UNLOCK OUTPUT |
| 11 | BR | BAT (FUSE) |
| 13 | B | GND |
| 14 | R | PUSH-BUTTON IGNITION SW ILL POWER |
| 15 | Y | ACC IND |
| 17 | W | TURN SIGNAL RH (FRONT, SIDE) |
| 18 | O | TURN SIGNAL LH (FRONT, SIDE) |
| 19 | P | ROOM LAMP TIMER CONTROL |

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



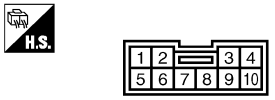

| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 72 | L | ROOM ANT 2– |
| 73 | P | ROOM ANT 2+ |
| 74 | SB | PASSENGER DOOR ANT– |
| 75 | BR | PASSENGER DOOR ANT+ |
| 76 | V | DRIVER DOOR ANT– |
| 77 | LG | DRIVER DOOR ANT+ |
| 78 | L | ROOM ANT 1– |
| 79 | R | ROOM ANT 1+ |
| 80 | GR | NATS ANT AMP. |
| 81 | W | NATS ANT AMP. |
| 82 | R | IGN RELAY (F/B) CONT |
| 83 | GR | KYLS ENT RECEIVER (FRONT) COMM |
| 87 | BR | COMBI SW INPUT 5 |
| 88 | V | COMBI SW INPUT 3 |
| 89 | BR | PUSH SW |
| 90 | P | CAN-L |
| 91 | L | CAN-H |
| 92 | LG | KEY SLOT ILL |
| 93 | V | ON IND |
| 95 | O | ACC RELAY CONT |
| 96 | Y | A/T SHIFT SELECTOR POWER SUPPLY |
| 97 | L | S/L CONDITION 1 |
| 98 | P | S/L CONDITION 2 |
| 99 | R | CLUTCH PEDAL POS SW [With M/T] |
| 99 | R | SHIFT P [With A/T] |
| 100 | GR | PASSENGER DOOR REQUEST SW |
| 101 | Y | DRIVER DOOR REQUEST SW |
| 102 | O | BLOWER FAN MOTOR RELAY CONT |
| 103 | LG | KYLS ENT RECEIVER (FRONT) PWR SUPPLY |
| 106 | W | S/L UNIT POWER SUPPLY |
| 107 | LG | COMBI SW INPUT 1 |
| 108 | R | COMBI SW INPUT 4 |
| 109 | Y | COMBI SW INPUT 2 |
| 110 | P | HAZARD SW |
| 111 | Y | S/L UNIT COMM |

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




| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 113 | O | OPTICAL SENSOR |
| 114 | R | CLUTCH INTERLOCK SW |
| 115 | O | SHOCK SENSOR |
| 116 | SB | STOP LAMP SW 1 |
| 118 | P | STOP LAMP SW 2 |
| 119 | SB | DR DOOR UNLOCK SENSOR |
| 121 | R | KEY SLOT SW |
| 123 | W | IGN F/B |
| 124 | LG | PASSENGER DOOR SW |
| 129 | O | TRUNK LID OPENER CANCEL SW |
| 130 | L | REAR DEFOGGER SW |
| 132 | V | P/W SW & SOFT TOP C/U COMM [Roadster models] |
| 132 | Y | POWER WINDOW SW COMM [Coupe models] |
| 133 | G | PUSH BUTTON IGNITION SW ILL POWER |
| 134 | GR | LOCK IND |
| 137 | P | RECEIVER/SENSOR GND |
| 138 | V | RECEIVER / SENSOR POWER SUPPLY |
| 139 | L | TIRE PRESS/KYLS ENT (REAR) RECEIV COMM |
| 140 | G | P/N POSITION SW [With M/T] |
| 140 | G | SHIFT N/P [With A/T] |
| 141 | Y | SECURITY INDICATOR |
| 142 | O | COMBI SW OUTPUT 5 |
| 143 | P | COMBI SW OUTPUT 1 |
| 144 | G | COMBI SW OUTPUT 2 |
| 145 | L | COMBI SW OUTPUT 3 |
| 146 | SB | COMBI SW OUTPUT 4 |
| 150 | GR | DRIVER DOOR SW |
| 151 | G | REAR WINDOW DEFOGGER RELAY CONT |

| | |
|---|---|
| Connector No. | M137 |
| Connector Name | A/T SHIFT SELECTOR |
| Connector Type | TK10FW |




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

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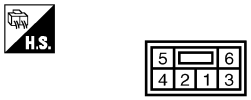
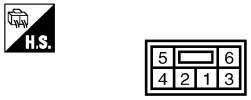
## ILLUMINATION

| | |
|---|---|
| Connector No. | M138 |
| Connector Name | HEATED SEAT SWITCH (DRIVER SIDE) |
| Connector Type | NS06FW-CS |




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

| | |
|---|---|
| Connector No. | M140 |
| Connector Name | HEATED SEAT SWITCH (PASSENGER SIDE) |
| Connector Type | NS06FBR-CS |

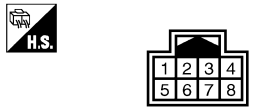



| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | G | – |
| 2 | O | – |
| 3 | GR | – |
| 4 | B | – |
| 5 | R | – |
| 6 | W | – |

| | |
|---|---|
| Connector No. | M144 |
| Connector Name | HAZARD SWITCH |
| Connector Type | TK04FW |


| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | GR | GND |
| 2 | P | BCM |
| 3 | R | ILL+ |
| 4 | B | ILL- |

| | |
|---|---|
| Connector No. | M252 |
| Connector Name | WIRE TO WIRE |
| Connector Type | TH08MW-NH |




| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | BG | – [Coupe models] |
| 1 | O | – [Roadster models] |
| 2 | SB | – |
| 3 | B | – |
| 4 | G | – |
| 5 | B | – |
| 6 | L | – |
| 7 | G | – |
| 8 | G | – |

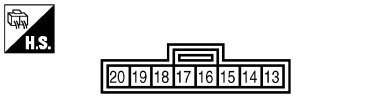
| | |
|---|---|
| Connector No. | M255 |
| Connector Name | S-MODE SWITCH |
| Connector Type | TK04FGY |


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

| | |
|---|---|
| Connector No. | M256 |
| Connector Name | HAZARD SWITCH |
| Connector Type | TK04FW |

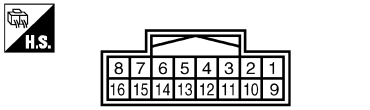

| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | B | GND |
| 2 | G | BCM |
| 3 | SB | ILL+ |
| 4 | BG | ILL- [Coupe models] |
| 4 | O | ILL- [Roadster models] |

| | |
|---|---|
| Connector No. | M303 |
| Connector Name | COMBINATION SWITCH (SPIRAL CABLE) |
| Connector Type | TK08FGY |




| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 13 | – | – |
| 14 | – | – |
| 15 | – | – |
| 16 | – | – |
| 17 | – | – |
| 18 | – | – |
| 19 | – | – |
| 20 | – | – |

| | |
|---|---|
| Connector No. | R1 |
| Connector Name | WIRE TO WIRE |
| Connector Type | TH16FW-NH |




| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 4 | W | – |
| 5 | R | – |
| 6 | B | – |
| 7 | P | – |
| 8 | R | – |
| 11 | B | – |
| 12 | Y | – |
| 13 | G | – |
| 14 | SHIELD | – |
| 15 | R | – |
| 16 | G | – |

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ILLUMINATION

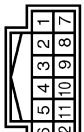
| | |
|---|---|
| Connector No. | R4 |
| Connector Name | MAP LAMP |
| Connector Type | TK06FGY |

H.S.


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

| | |
|---|---|
| Connector No. | R11 |
| Connector Name | WIRE TO WIRE |
| Connector Type | TH12FW-NH |

H.S.




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

JCLWA4514GB

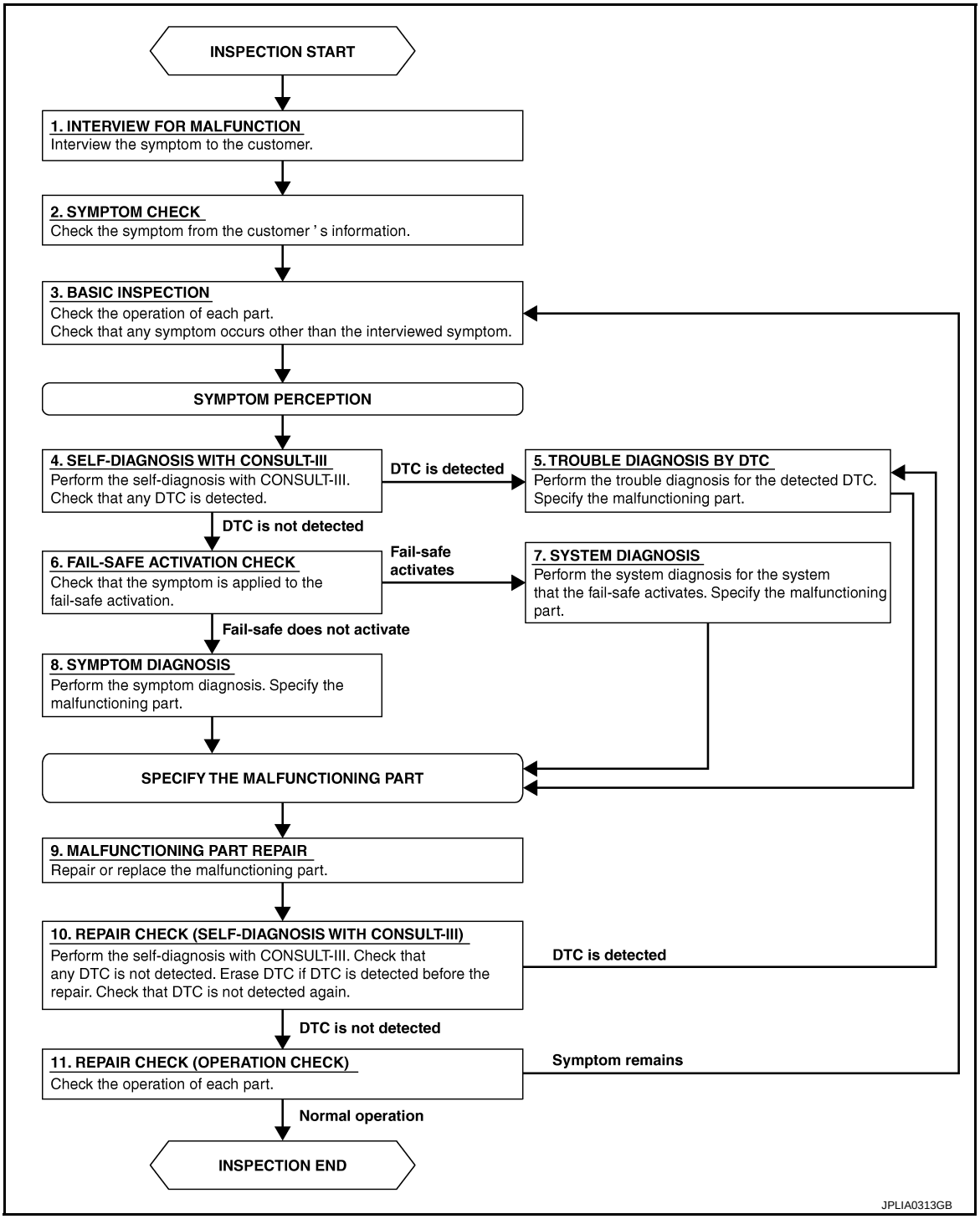
# BASIC INSPECTION

## DIAGNOSIS AND REPAIR WORKFLOW

### Work Flow

INFOID:0000000006349879

OVERALL SEQUENCE




DETAILED FLOW

### 1. INTERVIEW FOR MALFUNCTION

Interview the symptom to the customer.

>> GO TO 2.

## 2. SYMPTOM CHECK

Check the symptom from the customer's information.

>> GO TO 3.

## 3. BASIC INSPECTION

Check the operation of each part. Check that any symptom occurs other than the interviewed symptom.

>> GO TO 4.

## 4. SELF-DIAGNOSIS WITH CONSULT-III

Perform the self-diagnosis with CONSULT-III. Check that any DTC is detected.

Is any DTC detected?

YES >> GO TO 5.
NO >> GO TO 6.

## 5. TROUBLE DIAGNOSIS BY DTC

Perform the trouble diagnosis for the detected DTC. Specify the malfunctioning part.

>> GO TO 9.

## 6. FAIL-SAFE ACTIVATION CHECK

Check that the symptom is applied to the fail-safe activation.

Does the fail-safe activate?

YES >> GO TO 7.
NO >> GO TO 8.

## 7. SYSTEM DIAGNOSIS

Perform the system diagnosis for the system that the fail-safe activates. Specify the malfunctioning part.

>> GO TO 9.

## 8. SYMPTOM DIAGNOSIS

Perform the symptom diagnosis. Specify the malfunctioning part.

>> GO TO 9.

## 9. MALFUNCTION PART REPAIR

Repair or replace the malfunctioning part.

>> GO TO 10.

## 10. REPAIR CHECK (SELF-DIAGNOSIS WITH CONSULT-III)

Perform the self-diagnosis with CONSULT-III. Check that any DTC is not detected. Erase DTC if DTC is detected before the repair. Check that DTC is not detected again.

Is any DTC detected?

YES >> GO TO 5.
NO >> GO TO 11.

## 11. REPAIR CHECK (OPERATION CHECK)

Check the operation of each part.

Does it operate normally?

YES >> INSPECTION END
NO >> GO TO 3.

# DTC/CIRCUIT DIAGNOSIS

## INTERIOR ROOM LAMP POWER SUPPLY CIRCUIT

### Description

INFOID:0000000006349880

Provides the interior room lamp power supply. Also cuts the power supply when the interior room lamp battery saver activating.

### Component Function Check

INFOID:0000000006349881

#### 1.CHECK INTERIOR ROOM LAMP POWER SUPPLY FUNCTION

CONSULT-III ACTIVE TEST
1. Turn the ignition switch ON.
2. Turn each interior room lamp ON.
- Map lamp
- Vanity mirror lamp
- Luggage room lamp
3. Select "BATTERY SAVER" of BCM (BATTERY SAVER) active test item.
4. With operating the test items, check that each interior room lamp turns ON/OFF.

**Off : Interior room lamp OFF**
**On : Interior room lamp ON**

Does the interior room lamp turn ON/OFF?

YES >> Interior room lamp power supply circuit is normal.
NO >> Refer to INL-45, "Diagnosis Procedure".

### Diagnosis Procedure

INFOID:0000000006349882

#### 1.CHECK INTERIOR ROOM LAMP POWER SUPPLY OUTPUT

CONSULT-III ACTIVE TEST
1. Turn the ignition switch ON.
2. Select “BATTERY SAVER” of BCM (BATTERY SAVER) active test item.
3. With operating the test item, check voltage between BCM harness connector and the ground.

| Terminals | | | Test item | Voltage (Approx.) |
|---|---|---|---|---|
| (+) | | (–) | | |
| BCM | | Ground | BATTERY SAVER | |
| Connector | Terminal | | | |
| M119 | 4 | | Off | 0 V |
| | | | On | Battery voltage |

Is the measurement value normal?

YES >> GO TO 2.
NO >> Replace BCM.

#### 2.CHECK INTERIOR ROOM LAMP POWER SUPPLY OPEN CIRCUIT

1. Turn the ignition switch OFF.
2. Disconnect the following connectors.
- Map lamp
- Vanity mirror lamp (LH)
- Vanity mirror lamp (RH)
- Luggage room lamp
3. Check continuity between BCM harness connector and each interior room lamp harness connector.

| BCM | | Each interior room lamp | | | Continuity |
|---|---|---|---|---|---|
| Connector | Terminal | Connector | | Terminal | |
| M119 | 4 | Map lamp | R4 | 1 | Existed |
| | | Vanity mirror lamp (LH) | R2 | 2 | |
| | | Vanity mirror lamp (RH) | R3 | 2 | |
| | | Luggage room lamp | B53 | 1 | |

Does continuity exist?

YES >> GO TO 3.
NO >> Repair the harnesses or connectors.

## 3. CHECK INTERIOR ROOM LAMP POWER SUPPLY SHORT CIRCUIT

Check continuity between BCM harness connector and the ground.

| BCM | | Ground | Continuity |
|---|---|---|---|
| Connector | Terminal | | |
| M119 | 4 | | Not existed |

Does continuity exist?

YES >> Repair the harnesses or connectors.
NO >> Check that each interior room lamp has no internal short circuit.

# INTERIOR ROOM LAMP CONTROL CIRCUIT

## Description

INFOID:0000000006349883

Controls each interior room lamp (ground side) by PWM signal.
**NOTE:**
PWM signal control period is approximately 250 Hz (in the gradual brightening/dimming).

## Component Function Check

INFOID:0000000006349884

**CAUTION:**
**Before performing the diagnosis, check that the following is normal.**
- **Interior room lamp power supply**
- **Map lamp bulb**

### 1. CHECK INTERIOR ROOM LAMP CONTROL FUNCTION

CONSULT-III ACTIVE TEST
1. Turn the ignition switch ON.
2. Switch the map lamp switch to DOOR.
3. Select “INT LAMP” of BCM (INT LAMP) active test item.
4. With operating the test items, check that each interior room lamp turns ON/OFF (gradual brightening/dimming).

| | |
|---|---|
| **On** | **: Interior room lamp gradual brightening** |
| **Off** | **: Interior room lamp gradual dimming** |

Does the interior room lamp turns ON/OFF (gradual brightening/dimming)?

YES >> Interior room lamp control circuit is normal.
NO >> Refer to INL-47, "Diagnosis Procedure".

## Diagnosis Procedure

INFOID:0000000006349885

### 1. CHECK INTERIOR ROOM LAMP CONTROL OUTPUT

CONSULT-III ACTIVE TEST
1. Turn the ignition switch OFF.
2. Remove all the bulbs of map lamp.
3. Turn the ignition switch ON.
4. Select “INT LAMP” of BCM (INT LAMP) active test item.
5. With operating the test item, check continuity between BCM harness connector and the ground.

| BCM | | Ground | Test item | Continuity |
|---|---|---|---|---|
| Connector | Terminal | | INT LAMP | |
| M119 | 19 | | On | Existed |
| | | | Off | Not existed |

Is the measurement value normal?

YES >> GO TO 2.
Fixed ON>>GO TO 3.
Fixed OFF>>Replace BCM.

### 2. CHECK INTERIOR ROOM LAMP CONTROL OPEN CIRCUIT

1. Turn the ignition switch OFF.
2. Disconnect BCM connector and map lamp connector.
3. Check continuity between BCM harness connector and map lamp harness connector.

| BCM | | Map lamp | | Continuity |
|---|---|---|---|---|
| Connector | Terminal | Connector | Terminal | |
| M119 | 19 | R4 | 2 | Existed |

Does continuity exist?

YES >> Replace the map lamp.
NO >> Repair the harnesses or connectors.

## 3. CHECK INTERIOR ROOM LAMP CONTROL SHORT CIRCUIT

1. Turn the ignition switch OFF.
2. Disconnect BCM connector and map lamp connector.
3. Check continuity between BCM harness connector and the ground.

| BCM | | Ground | Continuity |
|---|---|---|---|
| Connector | Terminal | | |
| M119 | 19 | | Not existed |

Does continuity exist?

YES >> Repair the harnesses or connectors.
NO >> Replace BCM.

# LUGGAGE ROOM LAMP CIRCUIT

## Description

INFOID:0000000006349886

Controls the luggage room lamp (ground side) to turn the luggage room lamp ON and OFF.

## Component Function Check

INFOID:0000000006349887

**CAUTION:**
**Before performing the diagnosis, check that the following is normal.**
- **Interior room lamp power supply**
- **Luggage room lamp bulb**

### 1. CHECK LUGGAGE ROOM LAMP OPERATION

CONSULT-III ACTIVE TEST
1. Turn the ignition switch ON.
2. Select “LUGGAGE LAMP TEST” of BCM (INT LAMP) active test item.
3. With operating the test items, check that luggage room lamp turns ON/OFF.

**On : Luggage room lamp ON**
**Off : Luggage room lamp OFF**

Does the luggage room lamp turn ON/OFF?

YES >> Luggage room lamp circuit is normal.
NO >> Refer to INL-49, "Diagnosis Procedure".

## Diagnosis Procedure

INFOID:0000000006349888

### 1. CHECK LUGGAGE ROOM LAMP OUTPUT

CONSULT-III ACTIVE TEST
1. Turn the ignition switch OFF.
2. Remove luggage room lamp bulb.
3. Turn the ignition switch ON.
4. Select “LUGGAGE LAMP TEST” of BCM (INT LAMP) active test item.
5. With operating the test item, check continuity between BCM harness connector and the ground.

| BCM | | Ground | Test item | Continuity |
|---|---|---|---|---|
| Connector | Terminal | | LUGGAGE LAMP TEST | |
| M120 | 30 | | On | Existed |
| | | | Off | Not existed |

Is the measurement value normal?

YES >> GO TO 2.
Fixed ON>>GO TO 3.
Fixed OFF>>Replace BCM.

### 2. CHECK LUGGAGE ROOM LAMP OPEN CIRCUIT

1. Turn the ignition switch OFF.
2. Disconnect BCM connector and luggage room lamp connector.
3. Check continuity between BCM harness connector and luggage room lamp harness connector.

| BCM | | Luggage room lamp | | Continuity |
|---|---|---|---|---|
| Connector | Terminal | Connector | Terminal | |
| M120 | 30 | B53 | 2 | Existed |

Does continuity exist?

YES >> Replace the luggage room lamp.

NO >> Repair the harnesses or connectors.

## 3. CHECK LUGGAGE ROOM LAMP SHORT CIRCUIT

1. Turn the ignition switch OFF.
2. Disconnect BCM connector and luggage room lamp connector.
3. Check continuity between BCM harness connector and the ground.

| BCM | | Ground | Continuity |
|---|---|---|---|
| Connector | Terminal | | |
| M120 | 30 | | Not existed |

Does continuity exist?

YES >> Repair the harnesses or connectors.
NO >> Replace BCM.

# PUSH-BUTTON IGNITION SWITCH ILLUMINATION CIRCUIT

## Description

INFOID:0000000006349889

Provides the power supply and the ground to control the push-button ignition switch illumination.

## Component Function Check

INFOID:0000000006349890

### 1. CHECK PUSH-BUTTON IGNITION SWITCH ILLUMINATION OPERATION

CONSULT-III ACTIVE TEST
1. Turn the ignition switch ON.
2. Select “ENGINE SW ILLUMI” of BCM (INTELLIGENT KEY) active test item.
3. With operating the test items, check that the push-button ignition switch illumination turns ON/OFF.

**On : Push-button ignition switch illumination ON**
**Off : Push-button ignition switch illumination OFF**

Does the push-button ignition switch illumination turn ON/OFF?

YES >> Push-button ignition switch illumination circuit is normal.
NO >> Refer to INL-51, "Diagnosis Procedure".

## Diagnosis Procedure

INFOID:0000000006349891

### 1. CHECK ILLUMINATION CONTROL SWITCHING OPERATION

1. Turn the ignition switch ON.
2. With operating the lighting switch, check that the push-button ignition switch illumination turns ON/OFF.

| Condition | Push-button ignition switch illumination |
|---|---|
| • Ignition switch ON<br>• Lighting switch 1ST | ON |
| • Ignition switch OFF<br>• Lighting switch OFF<br>• Driver door LOCK | OFF |

Does the push-button ignition switch illumination turn ON/OFF?

YES >> GO TO 2.
NO >> GO TO 3.

### 2. CHECK PUSH-BUTTON IGNITION SWITCH ILLUMINATION GROUND CIRCUIT

1. Turn the ignition switch OFF.
2. Disconnect BCM connector and the push-button ignition switch connector.
3. Check continuity between BCM harness connector and the push-button ignition switch harness connector.

| BCM | | Push-button ignition switch | | Continuity |
|---|---|---|---|---|
| Connector | Terminal | Connector | Terminal | |
| M119 | 14 | M50 | 2 | Existed |

Does the continuity exist?

YES >> Replace BCM.
NO >> Repair the harness or the connector.

### 3. CHECK PUSH-BUTTON IGNITION SWITCH ILLUMINATION POWER SUPPLY OUTPUT

CONSULT-III ACTIVE TEST
1. Turn the ignition switch ON.
2. Select “ENGINE SW ILLUMI” of BCM (INTELLIGENT KEY) active test item.
3. With operating the test item, check voltage between BCM harness connector and the ground.

| Terminals | | | Test item | Voltage (Approx.) |
|---|---|---|---|---|
| (+) | | (–) | | |
| BCM | | Ground | ENGINE SW ILLUMI | |
| Connector | Terminal | | | |
| M123 | 133 | | ON | 5 V |
| | | | OFF | 0 V |

Is the measurement value normal?

YES >> GO TO 4.
NO >> GO TO 5.

## 4. CHECK PUSH-BUTTON IGNITION SWITCH ILLUMINATION POWER SUPPLY OPEN CIRCUIT

1. Turn the ignition switch OFF.
2. Disconnect BCM connector and the push-button ignition switch connector.
3. Check continuity between BCM harness connector and the push-button ignition switch harness connector.

| BCM | | Push-button ignition switch | | Continuity |
|---|---|---|---|---|
| Connector | Terminal | Connector | Terminal | |
| M123 | 133 | M50 | 3 | Existed |

Does the continuity exist?

YES >> Replace the push-button ignition switch.
NO >> Repair the harness or the connector.

## 5. CHECK PUSH-BUTTON IGNITION SWITCH ILLUMINATION POWER SUPPLY SHORT CIRCUIT

1. Turn the ignition switch OFF.
2. Disconnect BCM connector and the push-button ignition switch connector.
3. Check continuity between BCM harness connector and the ground.

| BCM | | Ground | Continuity |
|---|---|---|---|
| Connector | Terminal | | |
| M123 | 133 | | Not existed |

Does the continuity exist?

YES >> Repair the harness or the connector.
NO >> Replace BCM.

# SYMPTOM DIAGNOSIS

## INTERIOR LIGHTING SYSTEM SYMPTOMS

### Symptom Table

INFOID:0000000006349892

**CAUTION:**
**Perform the self-diagnosis with CONSULT-III before the symptom diagnosis. Perform the trouble diagnosis if any DTC is detected.**

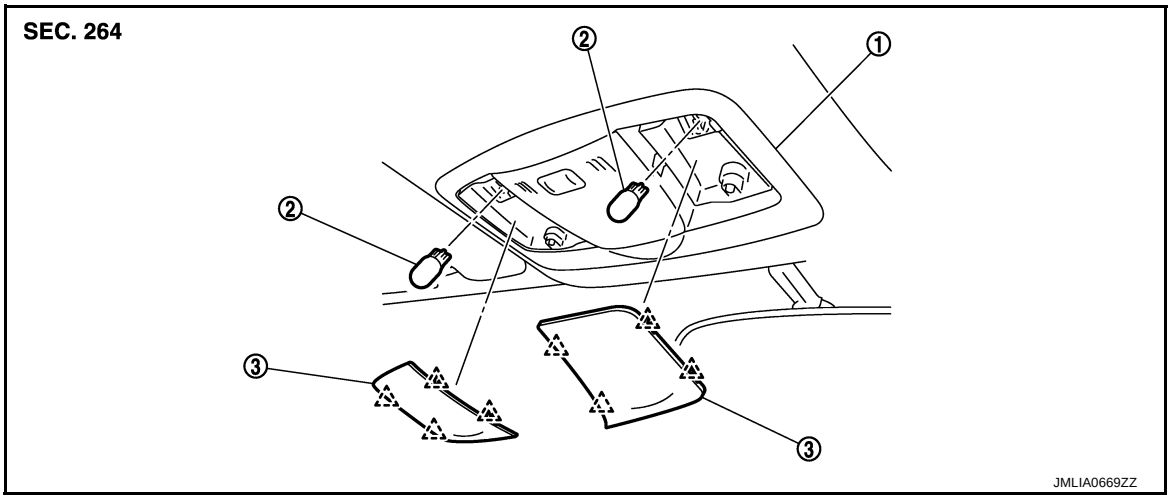
| Symptom | Possible cause | Inspection item |
|---|---|---|
| All the following lamps do not turn ON.<br>• Map lamp<br>• Luggage room lamp<br>• Vanity mirror lamp | • Harness between BCM and each interior room lamp<br>• BCM | Interior room lamp power supply circuit<br>Refer to INL-45. |
| • Interior room lamp does not turn ON even though the door is open.<br>(It turns ON when turning the interior room lamp ON.)<br>• Interior room lamp does not turn OFF even though the door is closed. | • Harness between BCM and each door switch<br>• Harness between BCM and each interior room lamp<br>• BCM | Door switch circuit<br>Refer to DLK-87. |
| | | Interior room lamp control circuit<br>Refer to INL-47. |
| Interior room lamp timer does not activate.<br>(It turns ON/ OFF when the door opens/closes.) | — | Check the interior room lamp setting.<br>Refer to INL-15. |
| • Luggage room lamp does not turn ON.<br>(The bulb is normal.)<br>• Luggage room lamp does not turn OFF. | • Harness between BCM and back door switch<br>• Harness between BCM and luggage room lamp<br>• BCM | Back door switch circuit<br>Refer to DLK-87. |
| | | Luggage room lamp circuit<br>Refer to INL-49. |
| Push-button ignition switch illumination does not illuminate. | • Harness between BCM and push-button ignition switch<br>• BCM | Push-button ignition switch illumination circuit<br>Refer to INL-51. |
| Interior room lamp battery saver does not activate. | — | Check the interior room lamp battery saver setting.<br>Refer to INL-16. |

# REMOVAL AND INSTALLATION

## MAP LAMP

### Exploded View

INFOID:0000000006349893




1. Map lamp assembly
2. Bulb
3. Lens

: Pawl

### Removal and Installation

INFOID:0000000006349894

Refer to INT-28, "Exploded View" for the map lamp assembly installation/removal.

### Replacement

INFOID:0000000006349895

**CAUTION:**
- **Disconnect the battery negative terminal or remove the fuse.**
- **Never touch the glass of bulb directly by hand. Keep grease and other oily matters away from it.**
- **Never touch bulb by hand while it is lit or right after being turned off.**
- **Never leave bulb out of lamp reflector for a long time because dust, moisture smoke, etc. may affect the performance of lamp. When replacing bulb, be sure to replace it with new one.**

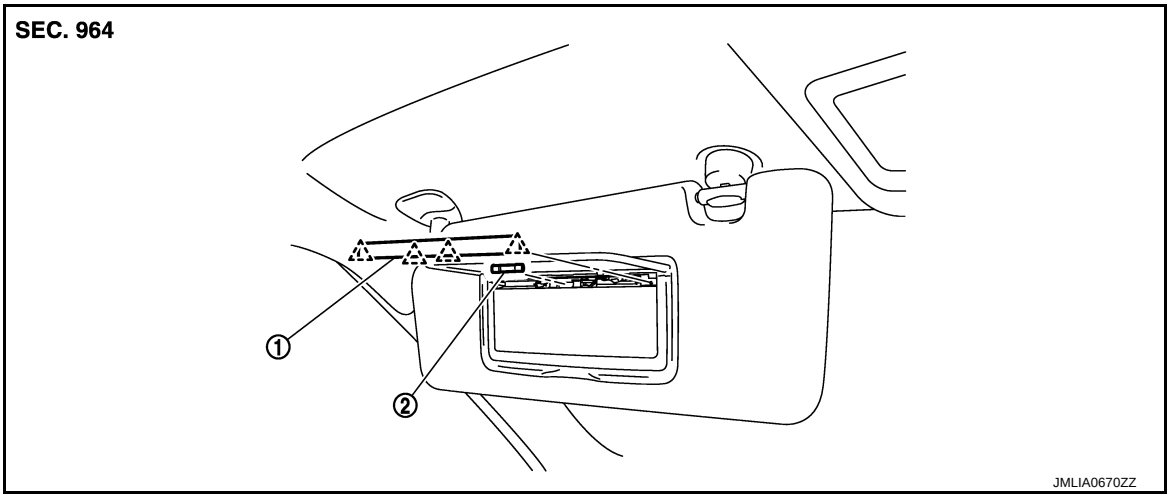
#### MAP LAMP BULB

1. Insert any appropriate tool into the gap between the lens. Remove the lens.
2. Remove the bulb.

# VANITY MIRROR LAMP

## Exploded View

INFOID:0000000006349896




1. Lens
2. Bulb

: Pawl

## Replacement

INFOID:0000000006349897

**CAUTION:**

- **Disconnect the battery negative terminal or remove the fuse.**
- **Never touch the glass of bulb directly by hand. Keep grease and other oily matters away from it.**
- **Never touch bulb by hand while it is lit or right after being turned off.**
- **Never leave bulb out of lamp reflector for a long time because dust, moisture smoke, etc. may affect the performance of lamp. When replacing bulb, be sure to replace it with new one.**

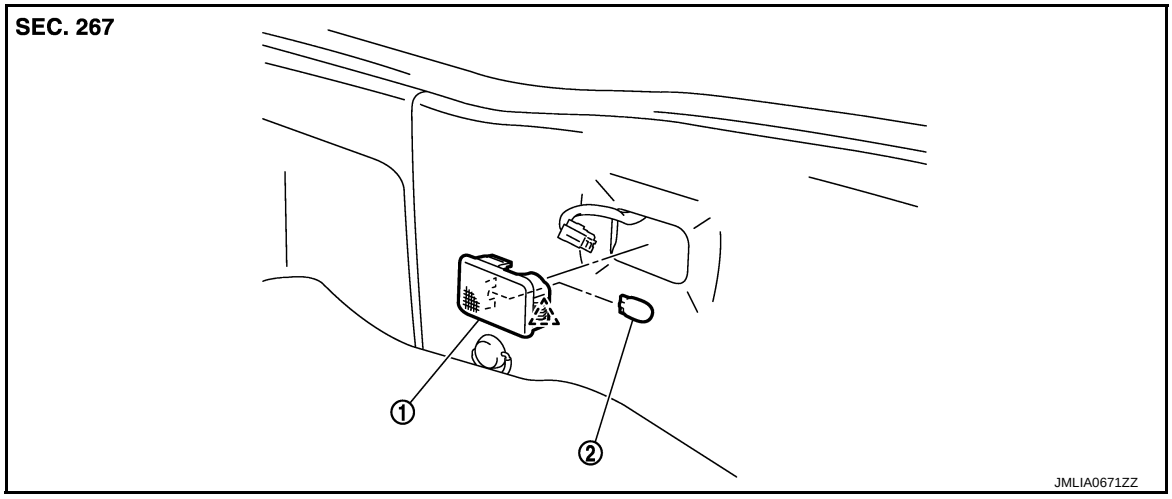
### VANITY MIRROR LAMP BULB

1. Insert any appropriate tool into the gap between the lens. Remove the lens.
2. Remove the bulb.

# LUGGAGE ROOM LAMP

## Exploded View

INFOID:0000000006349898




1. Luggage room lamp assembly
2. Bulb

: Pawl

## Removal and Installation

INFOID:0000000006349899

**CAUTION:**
**Disconnect the battery negative terminal or remove the fuse.**

### REMOVAL

1. Insert any appropriate tool into the gap between the luggage room lamp assembly and luggage finisher lower. Remove the luggage room lamp assembly.
2. Disconnect the connector.

### INSTALLATION

Install in the reverse order of removal.

## Replacement

INFOID:0000000006349900

**CAUTION:**
- **Disconnect the battery negative terminal or remove the fuse.**
- **Never touch the glass of bulb directly by hand. Keep grease and other oily matters away from it.**
- **Never touch bulb by hand while it is lit or right after being turned off.**
- **Never leave bulb out of lamp reflector for a long time because dust, moisture smoke, etc. may affect the performance of lamp. When replacing bulb, be sure to replace it with new one.**

### LUGGAGE ROOM LAMP BULB

1. Remove the luggage room lamp assembly.
2. Remove the bulb.

# SERVICE DATA AND SPECIFICATIONS (SDS)

## SERVICE DATA AND SPECIFICATIONS (SDS)

### Bulb Specifications

INFOID:0000000006349901

| Item | Type | Wattage (W) |
|---|---|---|
| Push-button ignition switch illumination | LED | — |
| Map lamp | Wedge | 8 |
| Vanity mirror lamp | — | 2 |
| Luggage room lamp | Wedge | 5 |

# PRECAUTION

## PRECAUTIONS

## FOR USA AND CANADA

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

INFOID:0000000006349902

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:**

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

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

**WARNING:**

- **When working near the Air Bag Diagnosis Sensor Unit or other Air Bag System sensors with the ignition ON or engine running, DO NOT use air or electric power tools or strike near the sensor(s) with a hammer. Heavy vibration could activate the sensor(s) and deploy the air bag(s), possibly causing serious injury.**
- **When using air or electric power tools or hammers, always switch the ignition OFF, disconnect the battery, and wait at least 3 minutes before performing any service.**

### FOR USA AND CANADA : Precautions Necessary for Steering Wheel Rotation After Battery Disconnection

INFOID:0000000006349903

**CAUTION:**

**Comply with the following cautions to prevent any error and malfunction.**

- **Before removing and installing any control units, first turn the ignition switch to the LOCK position, then disconnect both battery cables.**
- **After finishing work, confirm that all control unit connectors are connected properly, then re-connect both battery cables.**
- **Always use CONSULT to perform self-diagnosis as a part of each function inspection after finishing work. If a DTC is detected, perform trouble diagnosis according to self-diagnosis results.**

For vehicle with steering lock unit, if the battery is disconnected or discharged, the steering wheel will lock and cannot be turned.
If turning the steering wheel is required with the battery disconnected or discharged, follow the operation procedure below before starting the repair operation.

#### OPERATION PROCEDURE

1. Connect both battery cables.
   **NOTE:**
   Supply power using jumper cables if battery is discharged.
2. Turn the ignition switch to ACC position.
   (At this time, the steering lock will be released.)
3. Disconnect both battery cables. The steering lock will remain released with both battery cables disconnected and the steering wheel can be turned.

4. Perform the necessary repair operation.
5. When the repair work is completed, re-connect both battery cables. With the brake pedal released, turn the ignition switch from ACC position to ON position, then to LOCK position. (The steering wheel will lock when the ignition switch is turned to LOCK position.)
6. Perform self-diagnosis check of all control units using CONSULT.

## FOR USA AND CANADA : Precaution for Battery Service

INFOID:0000000006349904

Before disconnecting the battery, lower both the driver and passenger windows. This will prevent any interference between the window edge and the vehicle when the door is opened/closed. During normal operation, the window slightly raises and lowers automatically to prevent any window to vehicle interference. The automatic window function will not work with the battery disconnected.

# FOR MEXICO

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

INFOID:0000000006349905

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

**WARNING:**

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

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

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

**WARNING:**

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

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

## FOR MEXICO : Precautions Necessary for Steering Wheel Rotation After Battery Disconnection

INFOID:0000000006349906

**CAUTION:**

**Comply with the following cautions to prevent any error and malfunction.**

- **Before removing and installing any control units, first turn the ignition switch to the LOCK position, then disconnect both battery cables.**
- **After finishing work, confirm that all control unit connectors are connected properly, then re-connect both battery cables.**
- **Always use CONSULT to perform self-diagnosis as a part of each function inspection after finishing work. If a DTC is detected, perform trouble diagnosis according to self-diagnosis results.**

For vehicle with steering lock unit, if the battery is disconnected or discharged, the steering wheel will lock and cannot be turned.

If turning the steering wheel is required with the battery disconnected or discharged, follow the operation procedure below before starting the repair operation.

### OPERATION PROCEDURE

1. Connect both battery cables.
   **NOTE:**
   Supply power using jumper cables if battery is discharged.
2. Turn the ignition switch to ACC position.
   (At this time, the steering lock will be released.)
3. Disconnect both battery cables. The steering lock will remain released with both battery cables disconnected and the steering wheel can be turned.
4. Perform the necessary repair operation.
5. When the repair work is completed, re-connect both battery cables. With the brake pedal released, turn the ignition switch from ACC position to ON position, then to LOCK position. (The steering wheel will lock when the ignition switch is turned to LOCK position.)
6. Perform self-diagnosis check of all control units using CONSULT.

## FOR MEXICO : Precaution for Battery Service

*INFOID:0000000006349907*

Before disconnecting the battery, lower both the driver and passenger windows. This will prevent any interference between the window edge and the vehicle when the door is opened/closed. During normal operation, the window slightly raises and lowers automatically to prevent any window to vehicle interference. The automatic window function will not work with the battery disconnected.

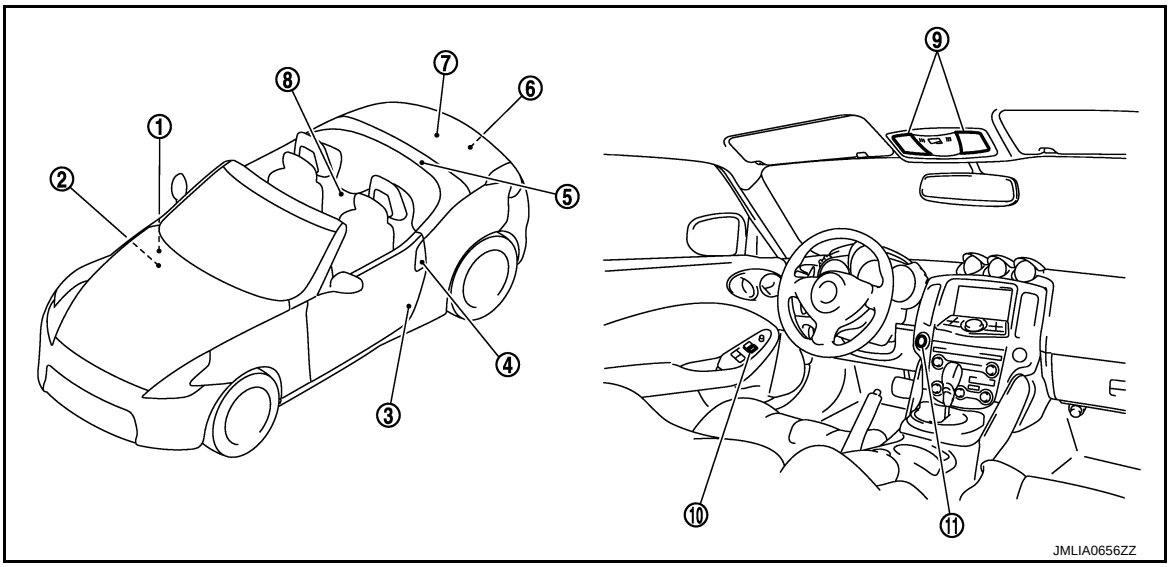
# SYSTEM DESCRIPTION

## COMPONENT PARTS

## INTERIOR ROOM LAMP CONTROL SYSTEM

### INTERIOR ROOM LAMP CONTROL SYSTEM : Component Parts Location

INFOID:0000000006349908




1. Remote keyless entry receiver
   Refer to SEC-14, "Component Parts Location".
2. BCM
   Refer to BCS-9, "Component Parts Location".
3. Door switch
4. • Key cylinder switch
   • Request switch
5. Soft top control unit
   Refer to RF-12, "Component Parts Location"
6. Trunk room lamp switch
7. Trunk room lamp
8. Cargo area coutesy light
9. Map lamp
10. Door lock and unlock switch
11. Push-button ignition switch
    (Push-button ignition switch illumination)

### INTERIOR ROOM LAMP CONTROL SYSTEM : Component Description

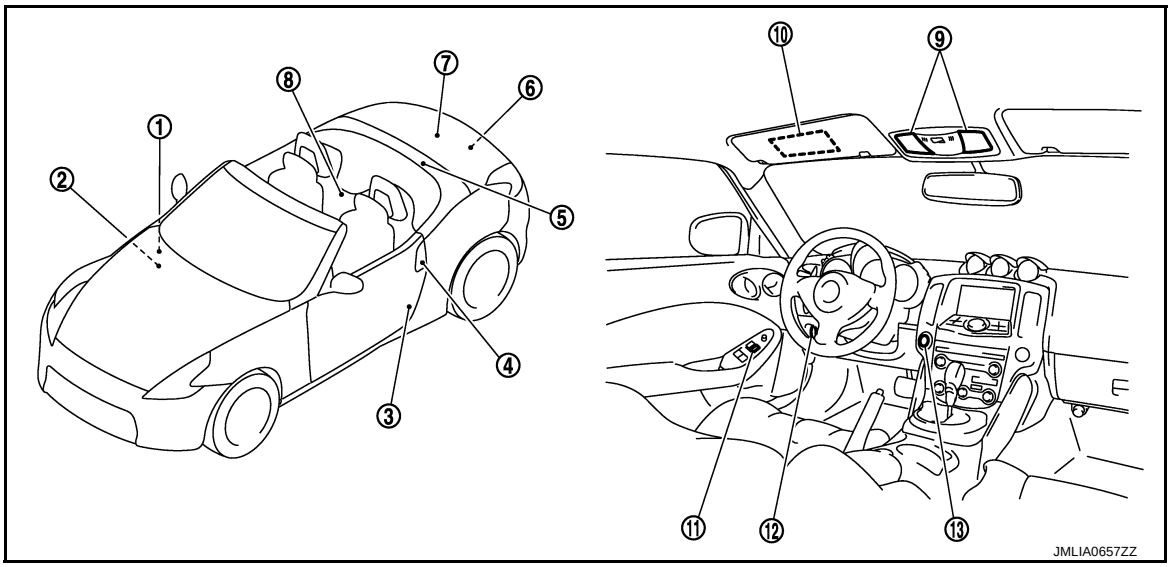
INFOID:0000000006349909

| Part | Description |
|---|---|
| BCM | • Activates the interior room lamp timer depending on the vehicle condition to turn the interior room lamp ON/OFF.<br>• Turns the trunk room lamp ON /OFF according to the trunk room lamp switch status. |
| Remote keyless entry receiver | Transmits the lock/unlock signal to BCM. |
| • Door lock and unlock switch<br>• Key cylinder switch | Transmits a switch signal by power window switch serial link. |
| • Request switch<br>• Door switch<br>• Trunk room lamp switch | Inputs a switch signal to BCM. |
| Soft top control unit | Refer to RF-17 |

## INTERIOR ROOM LAMP BATTERY SAVER SYSTEM

## INTERIOR ROOM LAMP BATTERY SAVER SYSTEM : Component Parts Location

INFOID:0000000006349910




1. Remote keyless entry receiver
   Refer to DLK-209, "Remote Keyless Entry Receiver".
2. BCM
   Refer to BCS-9, "Component Parts Location".
3. Door switch
4. • Key cylinder switch
   • Request switch
5. Soft top control unit
   Rfer to RF-12, "Component Parts Location"
6. Trunk room lamp switch
7. Trunk room lamp
8. Cargo area coutesy light
9. Map lamp
10. Vanity mirror lamp
11. Door lock and unlock switch
12. Key slot
13. Push-button ignition switch

## INTERIOR ROOM LAMP BATTERY SAVER SYSTEM : Component Description

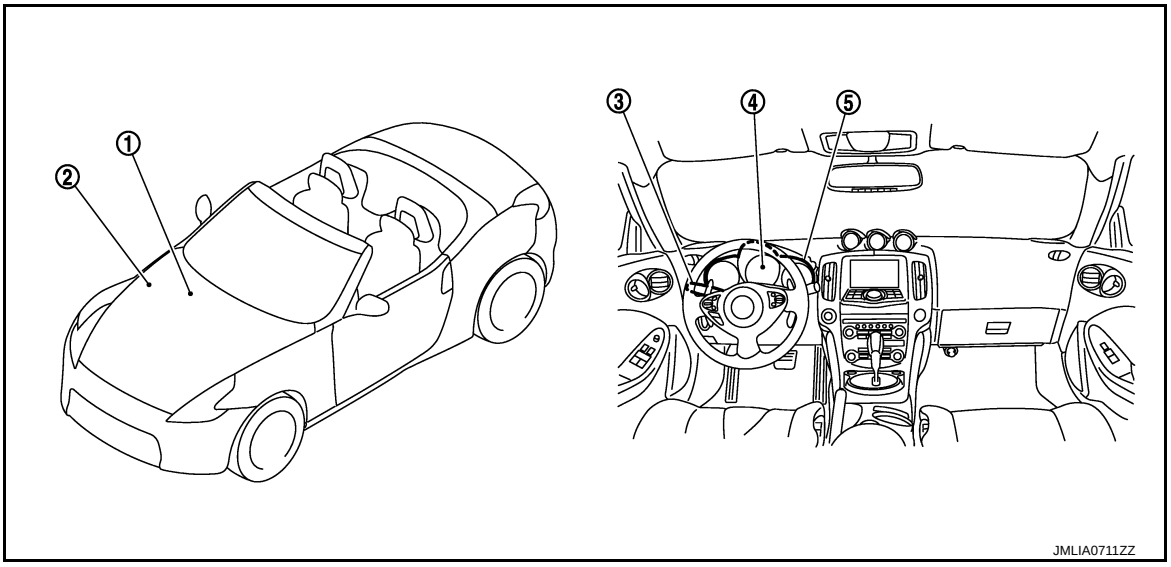
INFOID:0000000006349911

| Part | Description |
|---|---|
| BCM | Operates the interior room lamp battery saver depending on the vehicle condition to cut the interior room lamp power supply. |
| Remote keyless entry receiver | Transmits the lock/unlock signal to BCM. |
| • Door lock and unlock switch<br>• Key cylinder switch | Transmits a switch signal by power window switch serial link. |
| • Request switch<br>• Door switch<br>• Trunk room lamp switch | Inputs a switch signal to BCM. |
| Key slot | Inputs the key switch status to BCM. |
| Soft top control unit | Refer to RF-17 |

## ILLUMINATION CONTROL SYSTEM

## ILLUMINATION CONTROL SYSTEM : Component Parts Location

INFOID:0000000006349912




1. BCM
   Refer to BCS-9, "Component Parts Location".
2. IPDM E/R
   Refer to PCS-6, "Component Parts Location".
3. Combination switch
4. Combination meter
5. Illumination control switch

## ILLUMINATION CONTROL SYSTEM : Component Description

INFOID:0000000006349913

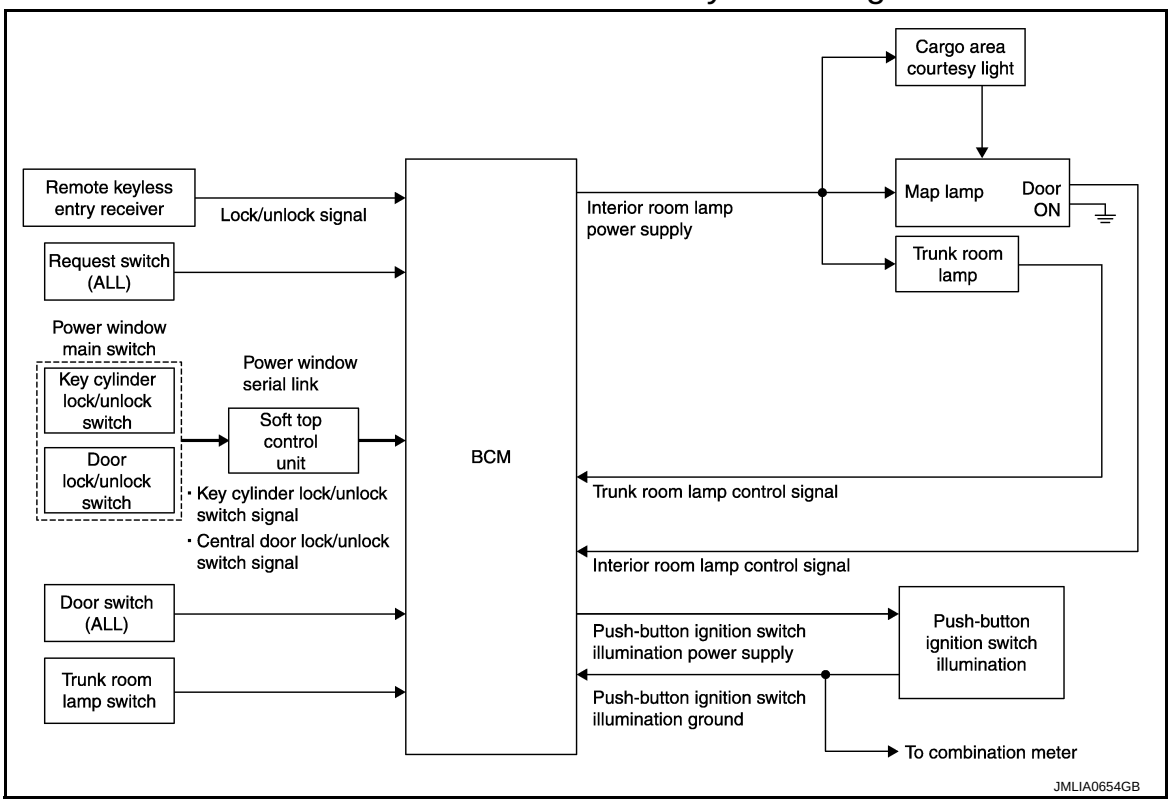
| Part | Description |
|---|---|
| BCM | • Detects each switch condition by the combination switch reading function.<br>• Judges the illumination lamp ON/OFF status depending on the vehicle condition. And then it transmits position light request signal to IPDM E/R and combination meter (with CAN communication). |
| IPDM E/R | Controls the integrated relay according to the request from BCM (with CAN communication). |
| Combination meter | • Enters in nighttime mode according to the request from BCM (with CAN communication).<br>• Controls the each illumination in the nighttime mode.<br>Refer to MWI-6, "METER SYSTEM : System Description". |
| Combination switch<br>(Lighting & turn signal switch) | Refer to BCS-10, "System Diagram". |

# SYSTEM

## INTERIOR ROOM LAMP CONTROL SYSTEM

### INTERIOR ROOM LAMP CONTROL SYSTEM : System Diagram

INFOID:0000000006349914




### INTERIOR ROOM LAMP CONTROL SYSTEM : System Description

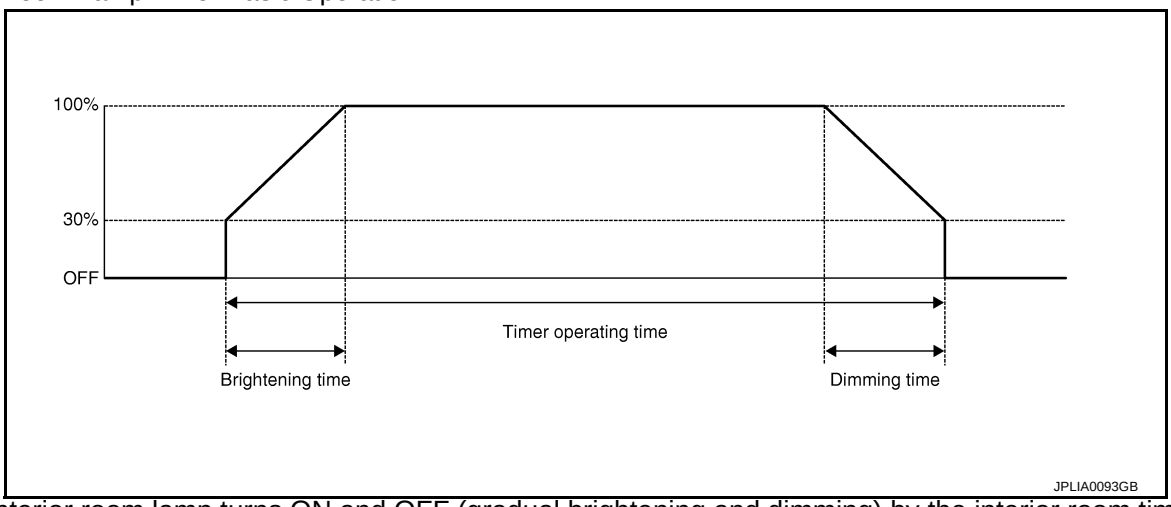
INFOID:0000000006349915

#### OUTLINE

- Interior room lamps* are controlled by interior room lamp timer control function of BCM.
  *: Map lamp (when map lamp switch is in DOOR position) and cargo area coutesy light (when map lamp switch is in DOOR position).
- Trunk room lamp is controlled by Trunk room lamp control function of BCM.
- Push-button ignition switch illumination is controlled by the push-button ignition switch illumination control function of BCM.

#### INTERIOR ROOM LAMP TIMER CONTROL

Interior Room Lamp Timer Basic Operation




- The interior room lamp turns ON and OFF (gradual brightening and dimming) by the interior room timer.

- BCM judges the vehicle condition with the following items. It activates the interior room timer.
  - Ignition switch status
  - Door switch signal (ALL)
  - Door lock/unlock signal (Remote keyless entry receiver, each door request switch, key cylinder switch, door lock and unlock switch)

**NOTE:**
Each function of interior room lamp timer can be set by CONSULT-III. Refer to INL-70, "INT LAMP : CONSULT-III Function (BCM - INT LAMP) (Roadster Models)".

Interior Room Lamp ON Operation

- BCM always turns the interior room lamp ON when any door opens.
- BCM activates the interior room timer in any of the following conditions to turn the interior room lamp ON for a period of time.
  - Any door opens before all doors close.
  - Ignition switch is turned ON → OFF.
  - Any door unlock signal is detected when all doors close with ignition switch OFF.

**NOTE:**
Restart the timer if new condition is input during the timer operating time.

Interior Room Lamp OFF Operation

BCM stops the timer in any of the following conditions to turns the interior room lamp OFF.

- The timer operating time is expired.
- Ignition switch position is other than OFF with all doors close.
- Any door lock operation is detected with all doors close.

## TRUNK ROOM LAMP CONTROL

BCM controls the trunk room lamp (ground-side) to turn ON with the trunk room lamp switch ON.

## PUSH-BUTTON IGNITION SWITCH ILLUMINATION CONTROL

Push-button Ignition Switch Illumination Basic Operation

- BCM provides the power supply and the ground to turn the push-button ignition switch illumination ON.
- BCM cuts the ground supply while the each illumination (tail lamp) ON. BCM switches to the ground control with the meter illumination control function.

Push-button Ignition Switch Illumination ON Operation

BCM turns the push-button ignition switch illumination ON in the following conditions.

- Ignition switch ON
- Each illumination (tail lamp) ON
- Any of the following conditions with ignition switch OFF
  - Engine start permission is entered.
  - Intelligent Key inserted into the key slot.
  - Driver door is LOCK → UNLOCK.
  - Driver door is open.

Push-button Ignition Switch Illumination OFF Operation

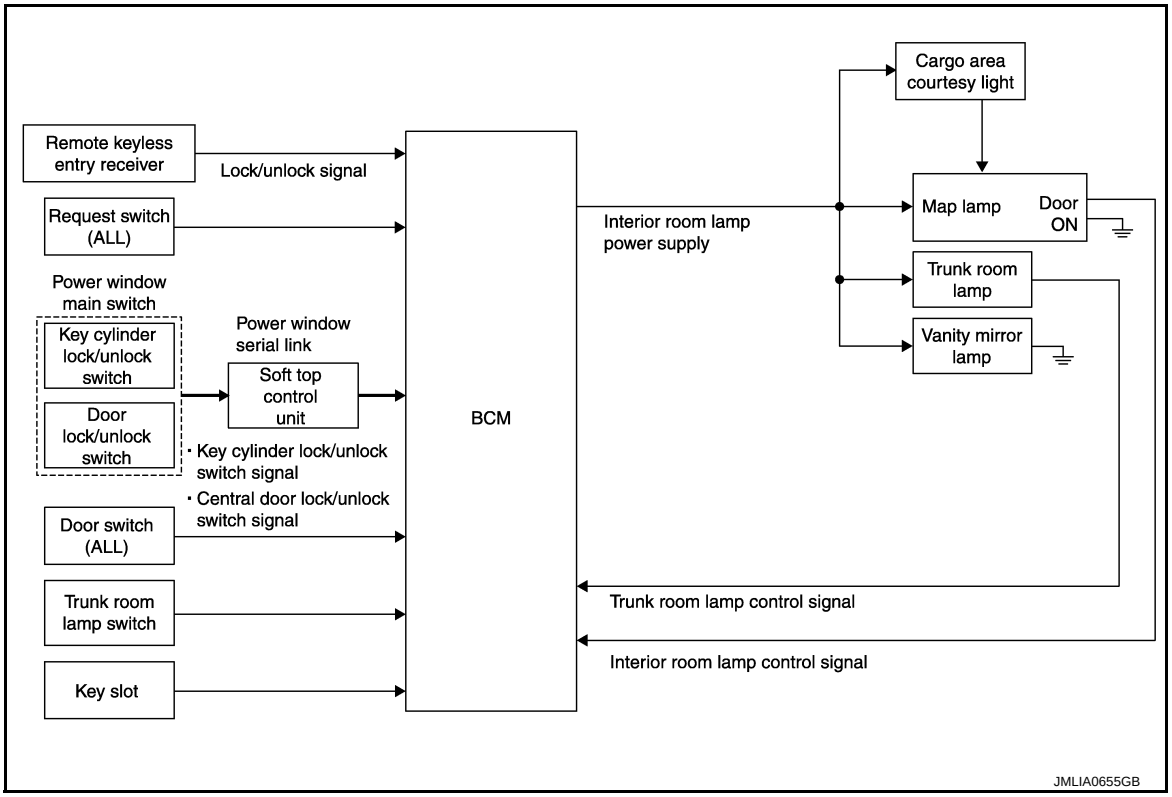
BCM turns the push-button ignition switch illumination OFF in any of the following conditions.

- The push-button ignition switch illumination ON conditions do not satisfy.
- All of the following conditions with ignition switch OFF
  - Each illumination (tail lamp) OFF
  - The push-button ignition switch illumination ON conditions do not change (15 seconds after the ignition switch OFF) or the driver door is UNLOCK → LOCK.

## INTERIOR ROOM LAMP BATTERY SAVER SYSTEM

## INTERIOR ROOM LAMP BATTERY SAVER SYSTEM : System Diagram

INFOID:0000000006349916




## INTERIOR ROOM LAMP BATTERY SAVER SYSTEM : System Description

INFOID:0000000006349917

### OUTLINE

- Interior room lamp battery saver is controlled by BCM.
- BCM turns applicable lamps OFF depending on the vehicle condition. This function prevents the battery from over-discharging if the driver neglect turning OFF the any lamps.

Applicable lamps

- Map lamp
- Cargo area coutesy light
- Trunk room lamp
- Vanity mirror lamp

### INTERIOR ROOM LAMP BATTERY SAVER FUNCTION

- When the ignition switch is turned OFF, BCM operates the timer for a period of time to cut the interior room lamp power supply.
- BCM restart the timer when any of the following signals changes while operating the timer.
  - Ignition switch status
  - Door switch signal (ALL)
  - Door lock/unlock signal (Remote keyless entry receiver, each request switch, key cylinder lock/unlock switch, central door lock/unlock switch)
  - Trunk room lamp switch signal
  - Key switch signal (Key slot)
- BCM provides the interior room lamp power supply continuously when the ignition switch position is other than OFF.

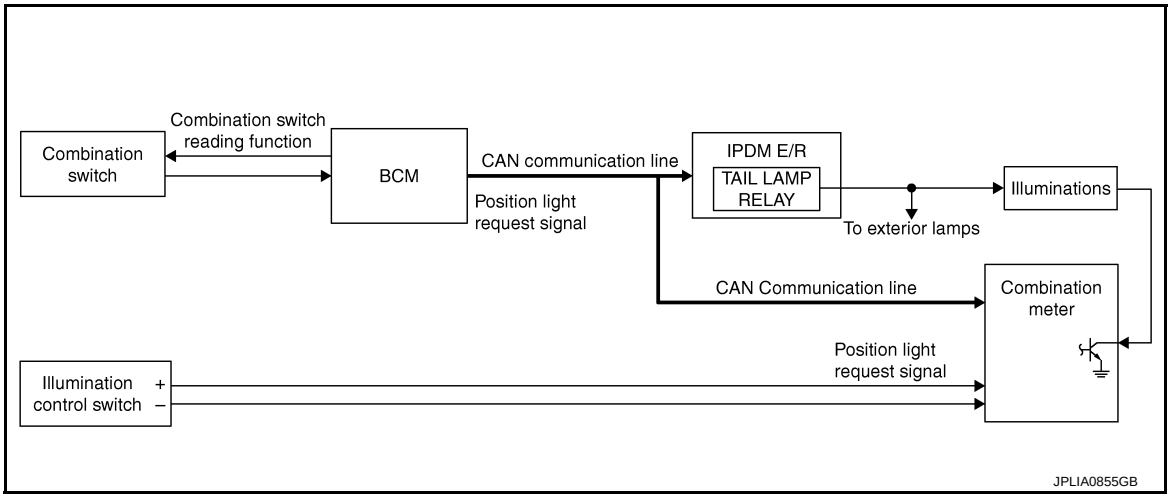
**NOTE:**

Each function of interior room lamp battery saver can be set by CONSULT-III. Refer to INL-71, "BATTERY SAVER : CONSULT-III Function (BCM - BATTERY SAVER) (Roadster Models)".

## ILLUMINATION CONTROL SYSTEM

## ILLUMINATION CONTROL SYSTEM : System Diagram

INFOID:0000000006349918




## ILLUMINATION CONTROL SYSTEM : System Description

INFOID:0000000006349919

### OUTLINE

Each illumination lamp is controlled by each function of BCM, IPDM E/R and combination meter.

Control by BCM
- Combination switch reading function
- Headlamp control function

Control by IPDM E/R
- Relay control function

Control by combination meter
- Meter illumination control function (Refer to MWI-24, "METER ILLUMINATION CONTROL : System Description".)

### ILLUMINATION CONTROL

- BCM detects the combination switch condition by the combination switch reading function.
- BCM transmits position light request signal to IPDM E/R and combination meter according to tail lamp ON condition.

Tail lamp ON condition
- Lighting switch 1ST
- Lighting switch 2ND
- Lighting switch AUTO, and the auto light function ON judgment

- IPDM E/R turns the integrated tail lamp relay ON according to position light request signal. It provides the power supply to each illumination lamp.
- Combination meter enters in the nighttime mode according to position light request signal. Under the nighttime mode the combination meter controls the illuminance by controlling the each illumination lamp (ground side).

# DIAGNOSIS SYSTEM (BCM)

## COMMON ITEM

### COMMON ITEM : CONSULT-III Function (BCM - COMMON ITEM)

INFOID:0000000006349920

#### APPLICATION ITEM

CONSULT-III performs the following functions via CAN communication with BCM.

| Diagnosis mode | Function Description |
|---|---|
| Work Support | Changes the setting for each system function. |
| Self Diagnostic Result | Displays the diagnosis results judged by BCM. |
| CAN Diag Support Monitor | Monitors the reception status of CAN communication viewed from BCM. Refer to CONSULT-III operation manual. |
| Data Monitor | The BCM input/output signals are displayed. |
| Active Test | The signals used to activate each device are forcibly supplied from BCM. |
| Ecu Identification | The BCM part number is displayed. |
| Configuration | • Read and save the vehicle specification.<br>• Write the vehicle specification when replacing BCM. |

#### SYSTEM APPLICATION

BCM can perform the following functions for each system.

**NOTE:**

It can perform the diagnosis modes except the following for all sub system selection items.

×: Applicable item

| System | Sub system selection item | Diagnosis mode | | |
|---|---|---|---|---|
| | | Work Support | Data Monitor | Active Test |
| Door lock | DOOR LOCK | × | × | × |
| Rear window defogger | REAR DEFOGGER | | × | × |
| Warning chime | BUZZER | | × | × |
| Interior room lamp timer | INT LAMP | × | × | × |
| Exterior lamp | HEAD LAMP | × | × | × |
| Wiper and washer | WIPER | × | × | × |
| Turn signal and hazard warning lamps | FLASHER | × | × | × |
| — | AIR CONDITONER* | | | |
| • Intelligent Key system<br>• Engine start system | INTELLIGENT KEY | × | × | × |
| Combination switch | COMB SW | | × | |
| Body control system | BCM | × | | |
| IVIS - NATS | IMMU | | × | × |
| Interior room lamp battery saver | BATTERY SAVER | × | × | × |
| Back door/Trunk lid open | TRUNK | | × | × |
| Vehicle security system | THEFT ALM | × | × | × |
| RAP system | RETAINED PWR | | × | |
| Signal buffer system | SIGNAL BUFFER | | × | × |
| TPMS | TPMS (AIR PRESSURE MONITOR) | × | × | × |

**NOTE:**

*: This item is displayed, but is not used.

#### FREEZE FRAME DATA (FFD)

The BCM records the following vehicle condition at the time a particular DTC is detected, and displays on CONSULT-III.

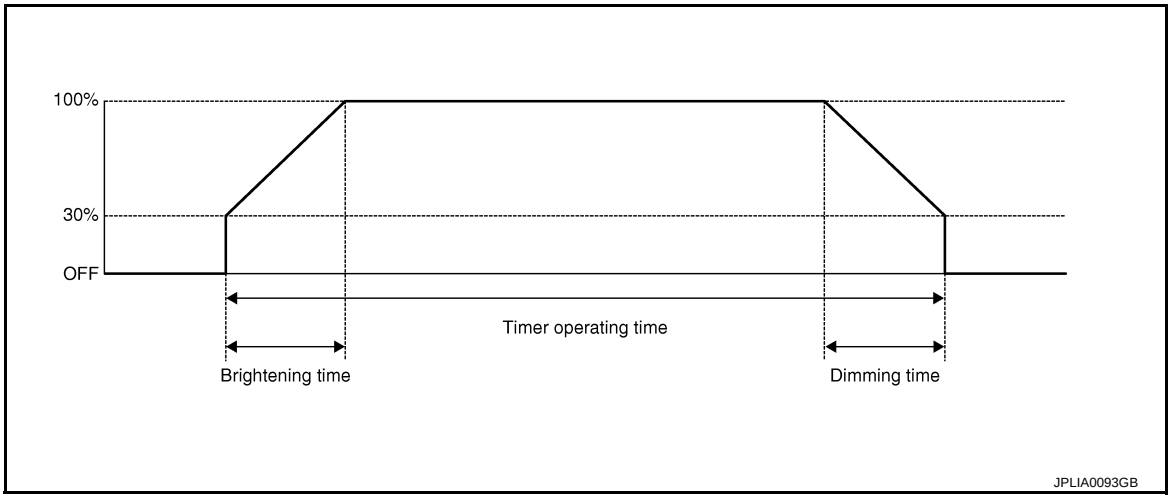
| CONSULT screen item | Indication/Unit | Description | |
|---|---|---|---|
| Vehicle Speed | km/h | Vehicle speed of the moment a particular DTC is detected | |
| Odo/Trip Meter | km | Total mileage (Odometer value) of the moment a particular DTC is detected | |
| Vehicle Condition | SLEEP>LOCK | Power position status of the moment a particular DTC is detected | While turning BCM status from low power consumption mode to normal mode (Power supply position is “LOCK”) |
| | SLEEP>OFF | | While turning BCM status from low power consumption mode to normal mode (Power supply position is “OFF”.) |
| | LOCK>ACC | | While turning power supply position from “LOCK” to “ACC” |
| | ACC>ON | | While turning power supply position from “ACC” to “IGN” |
| | RUN>ACC | | While turning power supply position from “RUN” to “ACC” (Vehicle is stopping and selector lever is except P position.) |
| | CRANK>RUN | | While turning power supply position from “CRANKING” to “RUN” (From cranking up the engine to run it) |
| | RUN>URGENT | | While turning power supply position from “RUN“ to “ACC” (Emergency stop operation) |
| | ACC>OFF | | While turning power supply position from “ACC” to “OFF” |
| | OFF>LOCK | | While turning power supply position from “OFF” to “LOCK” |
| | OFF>ACC | | While turning power supply position from “OFF” to “ACC” |
| | ON>CRANK | | While turning power supply position from “IGN” to “CRANKING” |
| | OFF>SLEEP | | While turning BCM status from normal mode (Power supply position is “OFF”.) to low power consumption mode |
| | LOCK>SLEEP | | While turning BCM status from normal mode (Power supply position is “LOCK”.) to low power consumption mode |
| | LOCK | | Power supply position is “LOCK” (Ignition switch OFF with steering is locked.) |
| | OFF | | Power supply position is “OFF” (Ignition switch OFF with steering is unlocked.) |
| | ACC | | Power supply position is “ACC” (Ignition switch ACC) |
| | ON | | Power supply position is “IGN” (Ignition switch ON with engine stopped) |
| | ENGINE RUN | | Power supply position is “RUN” (Ignition switch ON with engine running) |
| | CRANKING | | Power supply position is “CRANKING” (At engine cranking) |
| IGN Counter | 0 - 39 | The number of times that ignition switch is turned ON after DTC is detected<br>• The number is 0 when a malfunction is detected now.<br>• The number increases like 1 → 2 → 3...38 → 39 after returning to the normal condition whenever ignition switch OFF → ON.<br>• The number is fixed to 39 until the self-diagnosis results are erased if it is over 39. | |

# INT LAMP

## INT LAMP : CONSULT-III Function (BCM - INT LAMP) (Roadster Models)

INFOID:0000000006349921

### WORK SUPPORT




| Service item | Setting item | Setting | |
|---|---|---|---|
| SET I/L D-UNLCK INTCON | ON* | With the interior room lamp timer function | |
| | OFF | Without the interior room lamp timer function | |
| ROOM LAMP TIMER SET | MODE 2 | 7.5 sec. | Sets the interior room lamp ON time. (Timer operating time) |
| | MODE 3* | 15 sec. | |
| | MODE 4 | 30 sec. | |
| ROOM LAMP ON TIME SET | MODE 1 | 0.5 sec. | Sets the interior room lamp gradual brightening time. |
| | MODE 2* | 1 sec. | |
| | MODE 3 | 2 sec. | |
| | MODE 4 | 3 sec. | |
| | MODE 5 | 0 sec. | |
| ROOM LAMP OFF TIME SET | MODE 1 | 0.5 sec. | Sets the interior room lamp gradual dimming time. |
| | MODE 2 | 1 sec. | |
| | MODE 3 | 2 sec. | |
| | MODE 4* | 3 sec. | |
| | MODE 5 | 0 sec. | |
| R LAMP TIMER LOGIC SET | MODE 1* | Interior room lamp timer activates with synchronizing all doors. | |
| | MODE 2 | Interior room lamp timer activates with synchronizing the driver door only. | |

*: Factory setting

### DATA MONITOR

| Monitor item [Unit] | Description |
|---|---|
| REQ SW-DR [On/Off] | The switch status input from request switch (driver side) |
| REQ SW-AS [On/Off] | The switch status input from front request switch (passenger side) |
| REQ SW-RR [On/Off] | **NOTE:** The item is indicated, but not monitored. |
| REQ SW-RL [On/Off] | |

| Monitor item [Unit] | Description |
|---|---|
| PUSH SW [On/Off] | The switch status input from push-button ignition switch |
| ACC RLY-F/B [On/Off] | **NOTE:** The item is indicated, but not monitored. |
| UNLK SEN-DR [On/Off] | Driver door unlock status input from unlock sensor |
| KEY SW-SLOT [On/Off] | Key switch status input from key slot |
| DOOR SW-DR [On/Off] | The switch status input from driver side door switch |
| DOOR SW-AS [On/Off] | The switch status input from passenger side door switch |
| DOOR SW-RR [On/Off] | **NOTE:** The item is indicated, but not monitored. |
| DOOR SW-RL [On/Off] | |
| DOOR SW-BK [On/Off] | The switch status input from trunk room lamp switch |
| CDL LOCK SW [On/Off] | Lock switch status received from the door lock and unlock switch |
| CDL UNLOCK SW [On/Off] | Unlock switch status received from the door lock and unlock switch |
| KEY CYL LK-SW [On/Off] | Lock switch status received from key cylinder switch |
| KEY CYL UN-SW [On/Off] | Unlock switch status received from key cylinder switch |
| TRNK/HAT MNTR [On/Off] | **NOTE:** The item is indicated, but not monitored. |
| RKE-LOCK [On/Off] | Lock signal status received from remote keyless entry receiver |
| RKE-UNLOCK [On/Off] | Unlock signal status received from remote keyless entry receiver |

## ACTIVE TEST

| Test item | Operation | Description |
|---|---|---|
| INT LAMP | On | Outputs the interior room lamp control signal to turn map lamp and cargo area courtesy light ON (Map lamp switch is in DOOR position). |
| | Off | Stops the interior room lamp control signal to turn map lamp and cargo area courtesy light OFF. |
| STEP LAMP TEST | On | **NOTE:** The item is displayed, but cannot be tested. |
| | Off | |
| LUGGAGE LAMP TEST | On | Outputs the trunk room lamp control signal to turn the trunk room lamp ON. |
| | Off | Stops the trunk room lamp control signal to turn the trunk room lamp OFF. |

# BATTERY SAVER

## BATTERY SAVER : CONSULT-III Function (BCM - BATTERY SAVER) (Roadster Models)

INFOID:0000000006349922

### WORK SUPPORT

| Service item | Setting item | Setting | |
|---|---|---|---|
| BATTERY SAVER SET | On* | With the exterior lamp battery saver function | |
| | Off | Without the exterior lamp battery saver function | |
| ROOM LAMP BAT SAV SET | On* | With the interior room lamp battery saver function | |
| | Off | Without the interior room lamp battery saver function | |
| ROOM LAMP TIMER SET | MODE 1 | 30 min. | Sets the interior room lamp battery saver timer operating time. |
| | MODE 2 | 60 min. | |
| | MODE 3* | 15 min. | |

*: Factory setting

## DATA MONITOR

| Monitor item [Unit] | Description |
|---|---|
| REQ SW-DR [On/Off] | The switch status input from request switch (driver side) |
| REQ SW-AS [On/Off] | The switch status input from front request switch (passenger side) |
| REQ SW-RR [On/Off] | **NOTE:** The item is indicated, but not monitored. |
| REQ SW-RL [On/Off] | |
| PUSH SW [On/Off] | The switch status input from push-button ignition switch |
| ACC RLY-F/B [On/Off] | **NOTE:** The item is indicated, but not monitored. |
| KEY SW-SLOT [On/Off] | Key switch status input from key slot |
| UNLK SEN-DR [On/Off] | Driver door unlock status input from unlock sensor |
| DOOR SW-DR [On/Off] | The switch status input driver side front door switch |
| DOOR SW-AS [On/Off] | The switch status input from passenger side door switch |
| DOOR SW-RR [On/Off] | **NOTE:** The item is indicated, but not monitored. |
| DOOR SW-RL [On/Off] | |
| DOOR SW-BK [On/Off] | The switch status input from trunk room lamp switch |
| CDL LOCK SW [On/Off] | Lock switch status received from the door lock and unlock switch |
| CDL UNLOCK SW [On/Off] | Unlock switch status received from the door lock and unlock switch |
| KEY CYL LK-SW [On/Off] | Lock switch status received from key cylinder switch |
| KEY CYL UN-SW [On/Off] | Unlock switch status received from key cylinder switch |
| TRNK/HAT MNTR [On/Off] | **NOTE:** The item is indicated, but not monitored. |

| Monitor item [Unit] | Description |
|---|---|
| RKE-LOCK [On/Off] | Lock signal status received from remote keyless entry receiver |
| RKE-UNLOCK [On/Off] | Unlock signal status received from remote keyless entry receiver |

## ACTIVE TEST

| Test item | Operation | Description |
|---|---|---|
| BATTERY SAVER | Off | Cuts the interior room lamp power supply to turn interior room lamp OFF. |
| | On | Outputs the interior room lamp power supply to turn interior room lamp ON.* |

*: Each lamp switch is in ON position.

# DIAGNOSIS SYSTEM (SOFT TOP CONTROL UNIT)

## CONSULT-III Function

INFOID:0000000006349923

### APPLICATION ITEM

CONSULT-III performs the following functions via CAN communication with soft top control unit.

| Diagnosis mode | | Function Description |
|---|---|---|
| ECU Identification | | The soft top control unit part number is displayed. |
| Self Diagnostic Result | | Displays the diagnosis results judged by soft top control unit. |
| | Freeze Frame Data | The soft top control unit records the vehicle condition at the time when the DTC is detected, and displays. |
| Data Monitor | | The soft top control unit input/output signals are displayed. |
| Active Test | | The signals used to activate each device are forcibly supplied from soft top control unit. |
| CAN Diag Support Monitor | | Monitors the reception status of CAN communication viewed from soft top control unit. Refer to CONSULT-III operation manual. |

### SELF-DIAG RESULT

Refer to RF-41, "DTC Index".

Freeze Frame Data

The soft top control unit records the following vehicle condition at the time when the DTC is detected, and displays on CONSULT-III.

| CONSULT-III display | | Description |
|---|---|---|
| Item | Indication | |
| ROOF SW (OPEN) | ON/OFF | OPEN input state of roof open/close switch is displayed. |
| ROOF SW (CLOSE) | ON/OFF | CLOSE input state of roof open/close switch is displayed. |
| ROOF LATCHED LH | ON/OFF | Input state of roof striker sensor LH is displayed. |
| ROOF LATCHED RH | ON/OFF | Input state of roof striker sensor RH is displayed. |
| F/CENTER LOCK | ON/OFF | Input state of roof latch lock sensor is displayed. |
| R/RAIL RAISED LH | ON/OFF | Input state of roof status sensor LH is displayed. |
| R/RAIL RAISED RH | ON/OFF | Input state of roof status sensor RH is displayed. |
| R/RAIL LOWERED | ON/OFF | Input state of roof status sensor LH is displayed. |
| 5BOW LOWERED | ON/OFF | Input state of 5th bow status sensor LH is displayed. |
| 5BOW RAISED | ON/OFF | Input state of 5th bow status sensor RH is displayed. |
| TRUNK STATUS SEN | ON/OFF | Input state of trunk status sensor is displayed. |
| S/LID OPEN LH | ON/OFF | Input state of storage lid status sensor LH is displayed. |
| S/LID OPEN RH | ON/OFF | Input state of storage lid status sensor RH is displayed. |
| S/LID CLOSE RH | ON/OFF | Input state of storage lid status sensor RH is displayed. |
| 5TH BOW LATCH OP | ON/OFF | Input state of 5th bow latch open sensor is displayed. |
| 5TH BOW LATCH CL | ON/OFF | Input state of 5th bow latch close sensor is displayed. |
| 5BOW STRIK LATCH | ON/OFF | Input state of 5th bow striker sensor is displayed. |
| FLPD LIMIT SW(DWN) | ON/OFF | Input state of flipper door limit switch (DOWN) is displayed. |
| SWITCH VALVE 1 | ON/OFF | Output state to switching valve 1 is displayed. |
| SWITCH VALVE 2 | ON/OFF | Output state to switching valve 2 is displayed. |
| SWITCH VALVE 3 | ON/OFF | Output state to switching valve 3 is displayed. |
| SWITCH VALVE 4 | ON/OFF | Output state to switching valve 4 is displayed. |
| SWITCH VALVE 5 | ON/OFF | Output state to switching valve 5 is displayed. |

| CONSULT-III display | | Description |
|---|---|---|
| Item | Indication | |
| PUMP OUT (LH) | ON/OFF | Right rotation output state to hydraulic motor is displayed. |
| PUMP OUT (RH) | ON/OFF | Left rotation output state to hydraulic motor is displayed. |

## DATA MONITOR

| CONSULT-III display | | Description |
|---|---|---|
| Item | Indication/Unit | |
| ROOF LATCHED LH | ON/OFF/NG | Input state of roof striker sensor LH is displayed. |
| ROOF LATCHED RH | ON/OFF/NG | Input state of roof striker sensor RH is displayed. |
| F/CENTER LOCK | ON/OFF/NG | Input state of roof latch lock sensor is displayed. |
| R/RAIL RAISED LH | ON/OFF/NG | Input state of roof status sensor LH is displayed. |
| R/RAIL RAISED RH | ON/OFF/NG | Input state of roof status sensor RH is displayed. |
| R/RAIL LOWERED | ON/OFF/NG | Input state of roof status sensor LH is displayed. |
| 5TH BOW LOWERED | ON/OFF/NG | Input state of 5th bow status sensor LH is displayed. |
| 5TH BOW RAISED | ON/OFF/NG | Input state of 5th bow status sensor RH is displayed. |
| S/LID OPEN LH | ON/OFF/NG | Input state of storage lid status sensor LH is displayed. |
| S/LID OPEN RH | ON/OFF/NG | Input state of storage lid status sensor RH is displayed. |
| S/LID CLOSE RH | ON/OFF/NG | Input state of storage lid status sensor RH is displayed. |
| 5TH BOW LATCH OP | ON/OFF/NG | Input state of 5th bow latch open sensor is displayed. |
| SWITCHING VALVE 1 | ON/OFF/NG | Output state to switching valve 1 is displayed. |
| SWITCHING VALVE 2 | ON/OFF/NG | Output state to switching valve 2 is displayed. |
| SWITCHING VALVE 3 | ON/OFF/NG | Output state to switching valve 3 is displayed. |
| SWITCHING VALVE 4 | ON/OFF/NG | Output state to switching valve 4 is displayed. |
| SWITCHING VALVE 5 | ON/OFF/NG | Output state to switching valve 5 is displayed. |
| PUMP OUT (RH) | ON/OFF/NG | Right rotation output state to hydraulic motor is displayed. |
| PUMP OUT (LH) | ON/OFF/NG | Left rotation output state to hydraulic motor is displayed. |
| 5TH BOW LATCH CL | ON/OFF/NG | Input state of 5th bow latch close sensor is displayed. |
| ROOF SW (OPEN) | ON/OFF | OPEN input state of roof open/close switch is displayed. |
| ROOF SW (CLOSE) | ON/OFF | CLOSE input state of roof open/close switch is displayed. |
| SHIFT R SIGNAL | ON/OFF | Input state of shift position (R position) is displayed. |
| TRUNK OPEN OUT | ON/OFF | Output state to trunk open signal is displayed. |
| THER PROTEC PUMP | OK/NG | Non-operation state of thermo protection (hydraulic pump) is displayed. |
| THER PROTEC RCU | OK/NG | Non-operation state of thermo protection (soft top control unit) is displayed. |
| PWR COND RCU | OK/NG | Diagnosis result of power supply (soft top control unit) is displayed. |
| PWR COND P/W | OK/NG | Diagnosis result of power supply (power window) is displayed. |
| LOCAL COMM 1 | NG/SLEEP/NG | State of serial link 1 is displayed. |
| LOCAL COMM 2 | NG/SLEEP/NG | State of serial link 2 is displayed. |
| REAR DEF OUT | OK/NG | Output state to rear window defogger is displayed. |
| 5BOW STRIK LATCH | ON/OFF/NG | Input state of 5th bow striker sensor is displayed. |
| P/W OP REQ SW SIG | ON/OFF | Input state of power window open signal from request switch is displayed. |
| PROHIBIT P/W UP | ON/OFF | Output state to power window operation prohibition signal is displayed. |
| IGN ON SIG (BCM) | ON/OFF | Receiving state of ignition ON signal from BCM is displayed. |
| RF OP REQ SW SIG | ON/OFF | Input state of soft top open signal from request switch is displayed. |

## ACTIVE TEST

| CONSULT-III display | | Description |
|---|---|---|
| Item | Indication | |
| ROOF LATCHED LH/RH | LOCK | Roof lock assembly performs lock operation. |
| | UNLOCK | Roof lock assembly performs unlock operation. |
| STORAGE LID | OPEN | Storage lid performs open operation. |
| | CLOSE | Storage lid performs close operation. |
| SOFT TOP SYSTEM | UP | Soft top performs close operation. |
| | DOWN | Soft top performs open operation. |
| ROOF SYSTEM | OPEN | Soft top system performs open operation. |
| | CLOSE | Soft top system performs close operation. |
| 5TH BOW SYSTEM | OPEN | 1st bow and 5th bow performs fold operation. |
| | CLOSE | 1st bow and 5th bow performs spread operation. |
| HYDRAULIC PRESSURE RELEASE | ON | Switching valve performs OFF operation. |
| TRUNK OPENER | ON | Trunk lid opener actuator performs unlock operation. |
| ROOF STATE OUTPUT (AUDIO) | ON | Full open position signal of roof is transmitted to audio unit. |
| | OFF | Full close position signal of roof is transmitted to audio unit. |
| POWER WINDOW (LH/RH) | UP | Power window (LH/RH) performs close operation. |
| | DOWN | Power window (LH/RH) performs open operation. |
| REAR WINDOW DEFOGGER | ON | Rear window defogger performs ON operation. |
| | OFF | Rear window defogger performs OFF operation. |

# DIAGNOSIS SYSTEM (METER)

## Diagnosis Description

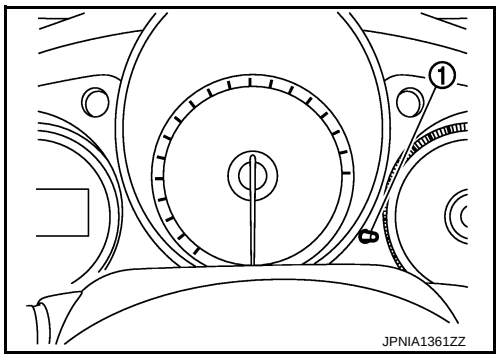
INFOID:0000000006349924

### SELF-DIAGNOSIS MODE

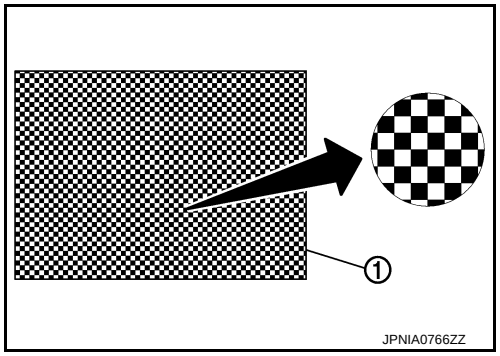
- LCD segment operation can be checked in self-diagnosis mode.
- Meters/gauges can be checked in self-diagnosis mode.

### OPERATION PROCEDURE

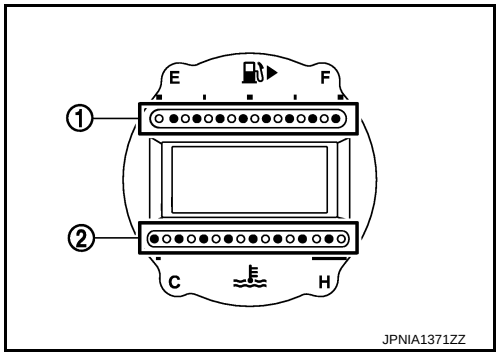
1. Turn ignition switch OFF.
2. While pressing the trip reset switch (1), turn ignition switch ON.
3. Make sure that the trip meter displays “0000.0”.
   **NOTE:**
   If the diagnosis function is activated with “trip A” displayed, the mileage on “trip A” is reset to “0000.0”. (The same way for “trip B”.)
4. Press the trip reset switch at least 3 times. (Within 7 seconds after the ignition switch is turned ON.)




5. The unified meter control unit is turned to self-diagnosis mode.
   - The segment dots of the information display LCD (1) blink alternately.
   - Speedometer, tachometer, volt meter, and oil temperature gauge return to zero respectively.
   - All the segments of clock, manual mode indicator, S-MODE indicator, odo/trip meter, and shift position indicator illuminate.

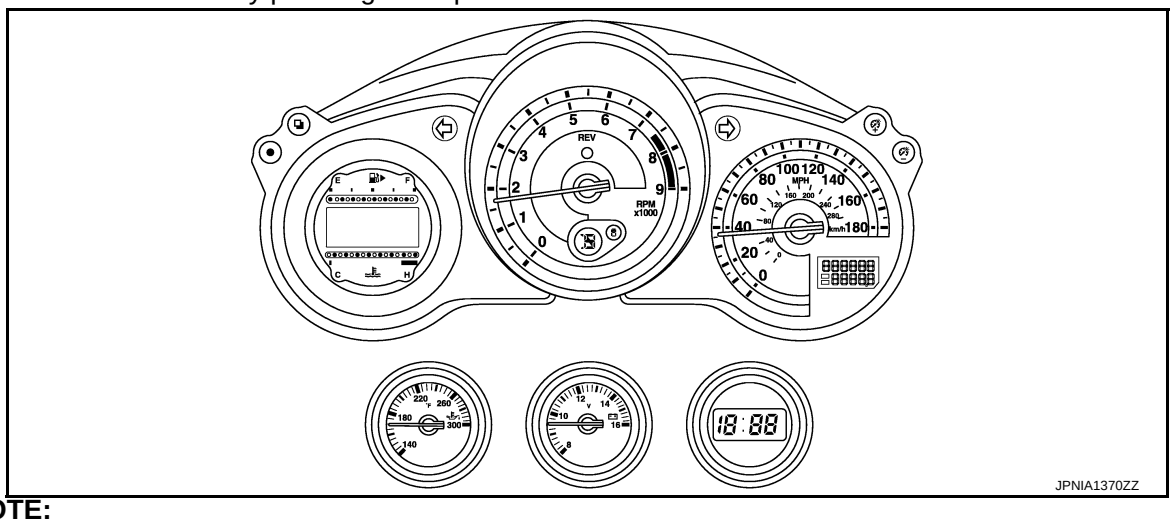



   - The fuel gauge (1) blink alternately.
   - The engine coolant temperature gauge (2) blink alternately.




**NOTE:**
- Check combination meter power supply and ground circuit when the self-diagnosis mode of the combination meter does not start. Replace combination meter if power supply and ground circuit are normal.
- When turning the ignition switch ON, if the triple meter has a malfunction and the self-diagnosis mode for triple meter does not starts, check the power supply and ground circuit of the triple meter, and the communication line circuit (METER⇔TRIPLE METER). Replace triple meter if power supply and ground circuit and the communication line circuit (METER⇔TRIPLE METER) are normal.
- If any of the segments does not illuminate, replace the combination meter or the triple meter (only when the clock of a segment that does not illuminate).

6. Each meter activates by pressing the trip reset switch.




**NOTE:**
- If any of the meters or gauges is not activated, replace combination meter or triple meter.
- The figure is reference.

## CONSULT-III Function (METER/M&A)

*INFOID:0000000006349925*

### CONSULT-III APPLICATION ITEMS

CONSULT-III can perform the following diagnosis modes via CAN communication and the combination meter.

| System | Diagnosis mode | Description |
|---|---|---|
| METER/M&A | Self Diagnostic Result | The combination meter checks the conditions and displays memorized errors. |
| | Data Monitor | Displays the combination meter input/output data in real time. |
| | Special function | Lighting history of the warning lamp and indicator lamp can be checked. |

### SELF DIAG RESULT

Refer to MWI-77, "DTC Index".

### DATA MONITOR

Display Item List

X: Applicable

| Display item [Unit] | MAIN SIGNALS | Description |
|---|---|---|
| SPEED METER [km/h] | X | Value of vehicle speed signal received from ABS actuator and electric unit (control unit) via CAN communication.<br>**NOTE:**<br>655.35 is displayed when the malfunction signal is received. |
| SPEED OUTPUT [km/h] | X | Vehicle speed signal value transmitted to other units via CAN communication.<br>**NOTE:**<br>655.35 is displayed when the malfunction signal is received. |
| ODO OUTPUT [km/h or mph] | | Odometer signal value transmitted to other units via CAN communication. |
| TACHO METER [rpm] | X | Value of the engine speed signal received from ECM via CAN communication.<br>**NOTE:**<br>8191.875 is displayed when the malfunction signal is received. |
| FUEL METER [L] | X | Fuel level indicated on combination meter. |
| W TEMP METER [°C] | X | Value of engine coolant temperature signal is received from ECM via CAN communication.<br>**NOTE:**<br>215 is displayed when the malfunction signal is input. |

| Display item [Unit] | MAIN SIGNALS | Description |
|---|---|---|
| ABS W/L [On/Off] | | Status of ABS warning lamp detected from ABS warning lamp signal is received from ABS actuator and electric unit (control unit) via CAN communication. |
| VDC/TCS IND [On/Off] | | Status of VDC OFF indicator lamp detected from VDC OFF indicator lamp signal is received from ABS actuator and electric unit (control unit) via CAN communication. |
| SLIP IND [On/Off] | | Status of SLIP indicator lamp detected from slip indicator lamp signal received from ABS actuator and electric unit (control unit) via CAN communication. |
| BRAKE W/L [On/Off] | | Status of brake warning lamp detected from brake warning lamp signal is received from ABS actuator and electric unit (control unit) via CAN communication.<br>**NOTE:**<br>Displays “Off” if the brake warning lamp is illuminated when the valve check starts, the parking brake switch is turned ON or the brake fluid level switch is turned ON. |
| DOOR W/L [On/Off] | | Status of door warning detected from door switch signal received from BCM via CAN communication. |
| TRUNK/GLAS-H [Off] | | This item is displayed, but cannot be monitored. |
| HI-BEAM IND [On/Off] | | Status of high beam indicator lamp detected from high beam request signal is received from BCM via CAN communication. |
| TURN IND [On/Off] | | Status of turn indicator lamp detected from turn indicator signal is received from BCM via CAN communication. |
| RR FOG IND [On/Off] | | Status of rear fog lamp indicator lamp detected from rear fog lamp status signal is received from BCM via CAN communication. |
| LIGHT IND [On/Off] | | Status of light indicator lamp detected from position light request signal is received from BCM via CAN communication. |
| OIL W/L [On/Off] | | Status of oil pressure warning lamp detected from oil pressure switch signal is received from BCM via CAN communication. |
| MIL [On/Off] | | Status of malfunction indicator lamp detected from malfunctioning indicator lamp signal is received from ECM via CAN communication. |
| CRUISE IND [On/Off] | | Status of CRUISE indicator lamp detected from CRUISE indicator lamp signal is received from ECM via CAN communication. |
| ATC/T-AMT W/L [On/Off] | | A/T CHECK indicator lamp status judged by the transmission check warning lamp signal received from TCM via CAN communication. |
| 4WD W/L [Off] | | This item is displayed, but cannot be monitored. |
| 4WD LOCK IND [Off] | | This item is displayed, but cannot be monitored. |
| FUEL W/L [On/Off] | | Low-fuel warning lamp status detected by the identified fuel level. |
| WASHER W/L [On/Off] | | Status of washer warning lamp judged from washer level switch input to combination meter. |
| AIR PRES W/L [On/Off] | | Status of low tire pressure warning lamp detected from tire pressure signal is received from BCM via CAN communication. |
| KEY G/Y W/L [On/Off] | | Status of key warning lamp (yellow) detected from key warning signal is received from BCM via CAN communication. |
| KEY R W/L [Off] | | This item is displayed, but cannot be monitored. |
| KEY KNOB W/L [Off] | | This item is displayed, but cannot be monitored. |
| AFS OFF IND [Off] | | This item is displayed, but cannot be monitored. |
| MT SYNC REV IND [On/Off] | | Status of S-MODE indicator judged from S-MODE indicator signal received from ECM with CAN communication line. |

| Display item [Unit] | MAIN SIGNALS | Description |
|---|---|---|
| FUEL CAP W/L<br>[On/Off] | | Status of fuel filler cap warning judged from fuel filler cap warning display signal received from ECM with CAN communication line. |
| LCD<br>[C&P N, C&P I, B&P N, B&P I, ID NG, ROTAT, SFT P, INSRT, BATT, NO KY, OUTKY, LK WN] | | Displays status of Intelligent Key system warning detected from meter display signal is received from BCM via CAN communication. |
| SHIFT IND<br>[P, R, N, D, L, M1, M2, M3, M4, M5, M6, M7] | | • Status of shift position indicator detected from shift position signal and manual mode indicator signal is received from TCM via CAN communication. (A/T models)<br>• Status of shift position indicator detected from shift position signal is received from ECM via CAN communication. (with SynchroRev Match mode models) |
| AT S MODE SW<br>[Off] | | This item is displayed, but cannot be monitored. |
| M RANGE SW<br>[On/Off] | | Status of manual mode switch. |
| NM RANGE SW<br>[On/Off] | | Status of non-manual mode switch. |
| AT SFT UP SW<br>[On/Off] | | Status of position select switch (up). |
| AT SFT DWN SW<br>[On/Off] | | Status of position select switch (down). |
| ST SFT UP SW<br>[On/Off] | | Status of paddle shifter up switch. |
| ST SFT DWN SW<br>[On/Off] | | Status of paddle shifter down switch. |
| PKB SW<br>[On/Off] | | Status of parking brake switch. |
| BUCKLE SW<br>[On/Off] | | Status of seat belt buckle switch (driver side). |
| BRAKE OIL SW<br>[On/Off] | | Status of brake fluid level switch. |
| AMB POWER<br>[Off] | | This item is displayed, but cannot be monitored. |
| A/C AMP CONN<br>[On/Off] | | Status of A/C auto amp. connection recognition signal. |
| ENTER SW<br>[On/Off] | | Status of ❑ (ENTER) switch. |
| SELECT SW<br>[On/Off] | | Status of ● (SELECT) switch. |
| MT SYNC REV SW<br>[On/Off] | | Status of S-MODE switch. |
| DISTANCE<br>[km] | | Value of possible driving distance calculated by combination meter. |
| OUTSIDE TEMP<br>[°C or °F] | | Ambient air temperature value converted from ambient sensor signal received from ambient sensor.<br>**NOTE:**<br>This may not match with the temperature value indicated on the information display. (Because the information display value is a corrected value from the ambient sensor input value.) |
| FUEL LOW SIG<br>[On/Off] | | Status of fuel level low warning signal to output to AV control unit via CAN communication. |
| CRANKING SIG<br>[On/Off] | | Cranking status judged by the engine status signal received from ECM via CAN communication. |

| Display item [Unit] | MAIN SIGNALS | Description |
|---|---|---|
| ST CNT SIG [On/Off] | | Starter relay status judged by the starter relay status signal received from BCM via CAN communication. |
| BUZZER [On/Off] | X | Buzzer status (in the combination meter) is detected from the buzzer output signal received from each unit via CAN communication and the warning output condition of the combination meter. |

**NOTE:**
Some items are not available according to vehicle specification.

## SPECIAL FUNCTION

### Special menu

| Display item | Description |
|---|---|
| W/L ON HISTORY | Lighting history of warning lamp and indicator lamp can be checked. |

W/L ON HISTORY
- Stores histories when warning/indicator lamp is turned on.
- “W/L ON HISTORY” indicates the “TIME” when the warning/ indicator lamp is turned on.
- The “TIME” above is :
- 0 : The condition that the warning/indicator lamp has been turned on 1 or more times after starting the engine and waiting for 30 seconds.
- 1 - 39 : The number of times the engine was restarted after the 0 condition.
- NO W/L ON HISTORY : Stores NO (0) turning on history of warning/indicator lamp.

**NOTE:**
- W/L ON HISTORY is not stored for approximately 30 seconds after the engine starts.
- Brake warning lamp does not store any history when the parking brake is applied or the brake fluid level gets low.

### Display Item

| Display item | Description |
|---|---|
| ABS W/L | Lighting history of ABS warning lamp. |
| VDC/TCS IND | Lighting history of VDC OFF indicator lamp. |
| SLIP IND | Lighting history of SLIP indicator lamp. |
| BRAKE W/L | Lighting history of brake warning lamp. |
| DOOR W/L | Lighting history of door warning. |
| TRUNK/GLAS-H | This item is displayed, but cannot be monitored. |
| OIL W/L | Lighting history of oil pressure warning lamp. |
| C-ENG W/L | Lighting history of malfunction indicator lamp. |
| C-ENG2 W/L | This item is displayed, but cannot be monitored. |
| CRUISE IND | Lighting history of CRUISE indicator lamp. |
| SET IND | This item is displayed, but cannot be monitored. |
| CRUISE W/L | This item is displayed, but cannot be monitored. |
| BA W/L | This item is displayed, but cannot be monitored. |
| O/D OFF IND | This item is displayed, but cannot be monitored. |
| ATC/T-AMT W/L | Lighting history of A/T CHECK indicator lamp. |
| ATF TEMP W/L | This item is displayed, but cannot be monitored. |
| CVT IND | This item is displayed, but cannot be monitored. |
| SPORT IND | This item is displayed, but cannot be monitored. |
| 4WD W/L | This item is displayed, but cannot be monitored. |
| FUEL W/L | Lighting history of low fuel level warning. |

| Display item | Description |
|---|---|
| WASHER W/L | Lighting history of low washer fluid warning |
| AIR PRES W/L | Lighting history of low tire pressure warning lamp. |
| KEY G/Y W/L | Lighting history of key warning lamp (yellow). |
| KEY R W/L | Lighting history of key warning lamp (red). |
| KEY KNOB W/L | This item is displayed, but cannot be monitored. |
| EPS W/L | This item is displayed, but cannot be monitored. |
| e-4WD W/L | This item is displayed, but cannot be monitored. |
| AFS OFF IND | This item is displayed, but cannot be monitored. |
| 4WAS/RAS W/L | This item is displayed, but cannot be monitored. |
| HDC W/L | This item is displayed, but cannot be monitored. |
| SYS FAIL W/L | This item is displayed, but cannot be monitored. |
| SFT POSI W/L | This item is displayed, but cannot be monitored. |
| HV BAT W/L | This item is displayed, but cannot be monitored. |
| HEV BRAKE W/L | This item is displayed, but cannot be monitored. |
| SFT OPER W/L | This item is displayed, but cannot be monitored. |
| LANE W/L | This item is displayed, but cannot be monitored. |
| CHAGE W/L | Lighting history of charge warning lamp. |
| OIL LEV LOW | This item is displayed, but cannot be monitored. |
| DPF W/L | This item is displayed, but cannot be monitored. |
| TRAILER IND | This item is displayed, but cannot be monitored. |
| RUN FLAT W/L | This item is displayed, but cannot be monitored. |
| E-SUS W/L | This item is displayed, but cannot be monitored. |
| LAUNCH CNT W/L | This item is displayed, but cannot be monitored. |
| BRAKE PAD W/L | This item is displayed, but cannot be monitored. |

# ECU DIAGNOSIS INFORMATION

## BCM, COMBINATION METER, SOFT TOP CONTROL UNIT

### List of ECU Reference

INFOID:0000000006349926

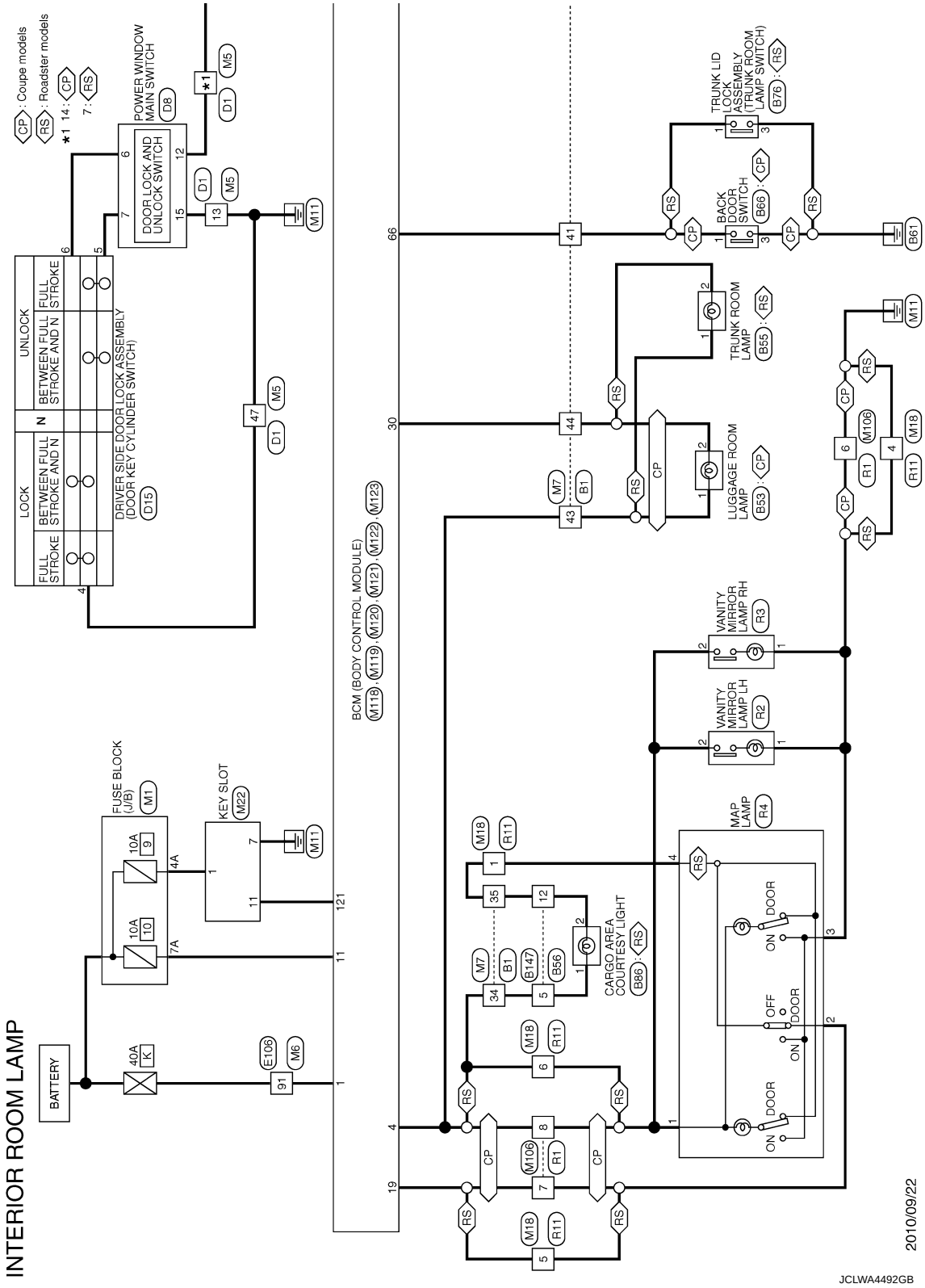
| ECU | Reference |
|---|---|
| BCM | BCS-51, "Reference Value" |
| | BCS-82, "Fail-safe" |
| | BCS-84, "DTC Inspection Priority Chart" |
| | BCS-85, "DTC Index" |
| COMBINATION METER | MWI-57, "Reference Value" |
| | MWI-76, "Fail-Safe" |
| | MWI-77, "DTC Index" |
| SOFT TOP CONTROL UNIT | RF-32, "Reference Value" |
| | RF-39, "Fail-safe" |
| | RF-40, "DTC Inspection Priority Chart" |
| | RF-41, "DTC Index" |

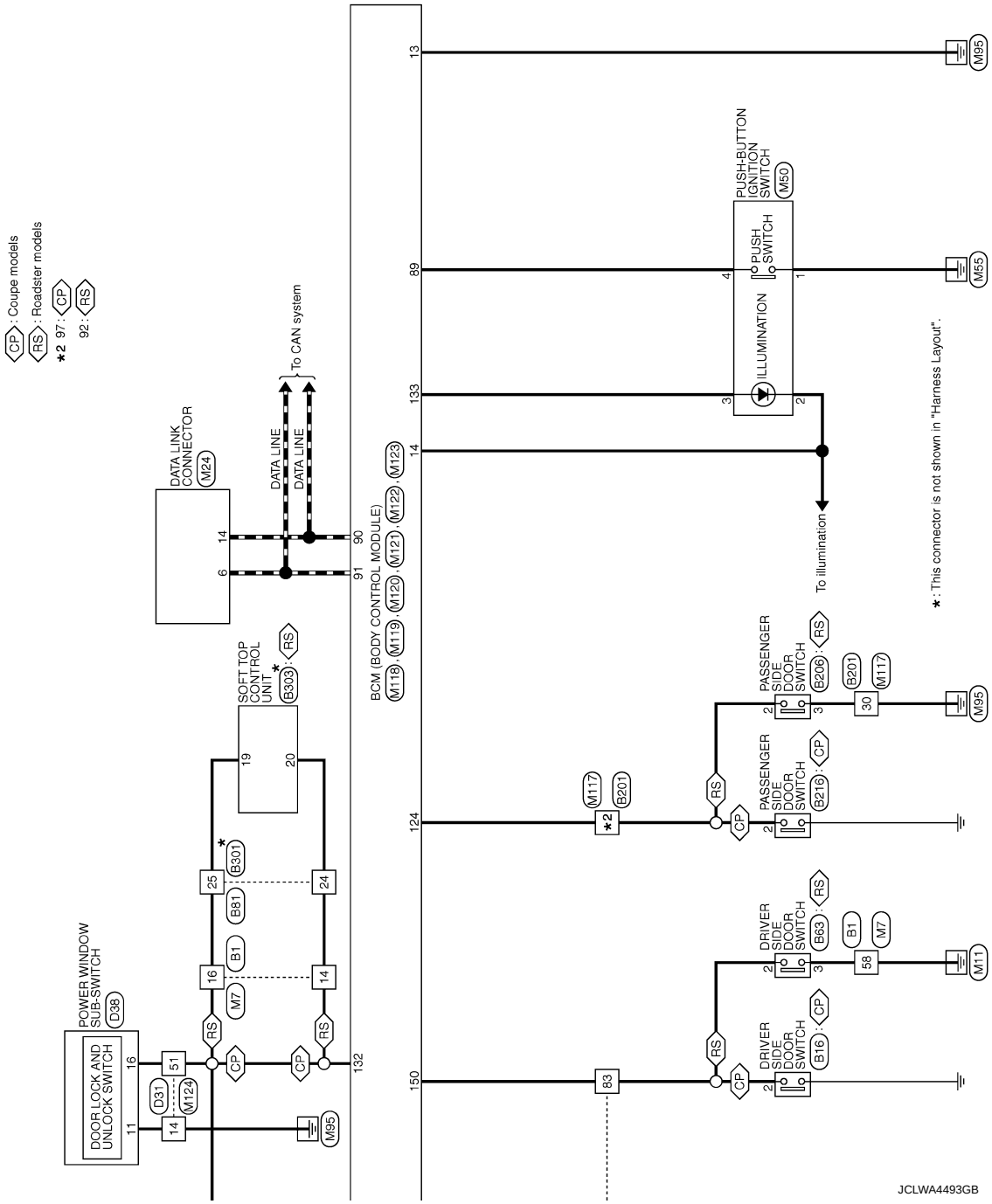
# WIRING DIAGRAM

## INTERIOR ROOM LAMP CONTROL SYSTEM

### Wiring Diagram

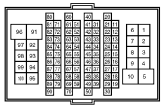
INFOID:0000000006918516




CP : Coupe models
RS : Roadster models
*2 97 : CP
92 : RS
DATA LINK CONNECTOR
M24
DATA LINE
DATA LINE
To CAN system
POWER WINDOW SUB-SWITCH
D38
DOOR LOCK AND UNLOCK SWITCH
SOFT TOP CONTROL UNIT *
B303
RS
BCM (BODY CONTROL MODULE)
M118 M119 M120 M121 M122 M123
PUSH-BUTTON IGNITION SWITCH
M50
PUSH SWITCH
ILLUMINATION
To illumination
* : This connector is not shown in "Harness Layout".
PASSENGER SIDE DOOR SWITCH
B206
B216
DRIVER SIDE DOOR SWITCH
B63
B16
M95
M55
M11
M117
B201
B1
M7
JCLWA4493GB

## INTERIOR ROOM LAMP

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



| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | G | – |
| 2 | BG | – |
| 3 | Y | – |
| 4 | W | – |
| 6 | V | – |
| 7 | LG | – |
| 8 | GR | – |
| 9 | SB | – |
| 11 | Y | – |
| 12 | W | – |
| 13 | BR | – |
| 14 | LG | – |
| 15 | B | – |
| 16 | V | – |
| 17 | R | – |
| 18 | B | – |
| 20 | SB | – |
| 21 | G | – |
| 22 | GR | – |
| 23 | V | – |
| 24 | BG | – |
| 25 | L | – |
| 26 | P | – |
| 27 | W | – |
| 28 | SHIELD | – |
| 31 | W | – |
| 32 | B | – |
| 33 | P | – [Coupe models] |
| 33 | W | – [Roadster models] |
| 34 | R | – |
| 35 | W | – [Coupe models] |
| 35 | B | – [Roadster models] |
| 36 | B | – |
| 40 | Y | – |
| 41 | L | – |
| 42 | GR | – |
| 43 | BR | – |
| 44 | R | – |
| 45 | BG | – |
| 46 | SHIELD | – [Coupe models] |
| 46 | SB | – [Roadster models] |
| 47 | V | – |
| 48 | SHIELD | – |
| 51 | W | – |
| 52 | R | – |
| 57 | SHIELD | – |
| 58 | B | – |
| 60 | V | – |
| 61 | SB | – |
| 62 | SHIELD | – |
| 63 | BR | – |
| 64 | Y | – |
| 65 | SHIELD | – |
| 66 | P | – |
| 67 | L | – |
| 68 | SHIELD | – |
| 69 | R | – |
| 70 | G | – |
| 71 | V | – |
| 72 | P | – |
| 73 | BR | – |
| 74 | GR | – |
| 75 | BG | – |
| 80 | Y | – |
| 81 | R | – |
| 82 | B | – |
| 83 | GR | – |
| 84 | G | – [Coupe models] |
| 84 | L | – [Roadster models] |
| 85 | LG | – |
| 86 | V | – |
| 87 | BR | – |
| 88 | GR | – |
| 93 | Y | – |
| 94 | L | – [Coupe models] |
| 94 | G | – [Roadster models] |
| 95 | GR | – [Coupe models] |
| 95 | LG | – [Roadster models] |
| 96 | L | – |
| 97 | Y | – |
| 98 | W | – [Coupe models] |
| 98 | Y/B | – [Roadster models] |
| 99 | LG | – |
| 100 | B | – |

| | |
|---|---|
| Connector No. | B16 |
| Connector Name | DRIVER SIDE DOOR SWITCH |
| Connector Type | A03FW |

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

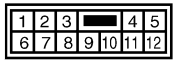
| | |
|---|---|
| Connector No. | B53 |
| Connector Name | LUGGAGE ROOM LAMP |
| Connector Type | CJ02FGY |

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

| | |
|---|---|
| Connector No. | B55 |
| Connector Name | TRUNK ROOM LAMP |
| Connector Type | S02FW |

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

| | |
|---|---|
| Connector No. | B56 |
| Connector Name | WIRE TO WIRE |
| Connector Type | NS12MW-CS |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 4 | BR | – |
| 5 | R | – |
| 9 | V | – |
| 10 | LG | – |
| 11 | GR | – |
| 12 | B | – |

| | |
|---|---|
| Connector No. | B63 |
| Connector Name | DRIVER SIDE DOOR SWITCH |
| Connector Type | A03FW |

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

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## INTERIOR ROOM LAMP

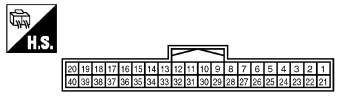
| | |
|---|---|
| Connector No. | B66 |
| Connector Name | BACK DOOR SWITCH |
| Connector Type | A03FW |


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

| | |
|---|---|
| Connector No. | B76 |
| Connector Name | TRUNK LID LOCK ASSEMBLY |
| Connector Type | NS03FW-CS |


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

| | |
|---|---|
| Connector No. | B81 |
| Connector Name | WIRE TO WIRE |
| Connector Type | TH40FW-NH |

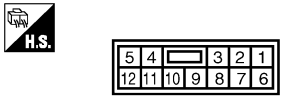



| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 4 | W | – |
| 5 | BR | – |
| 6 | B | – |
| 8 | Y | – |
| 9 | BG | – |
| 14 | GR | – |
| 15 | SB | – |
| 16 | V | – |
| 17 | G | – |
| 24 | LG | – |
| 25 | V | – |
| 31 | L | – |
| 32 | P | – |
| 34 | BG | – |
| 35 | R | – |

| | |
|---|---|
| Connector No. | B86 |
| Connector Name | CARGO AREA COURTESY LIGHT |
| Connector Type | S02FW |

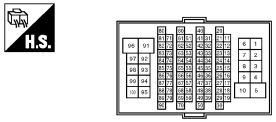

| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | R | – |
| 2 | B | – |

| | |
|---|---|
| Connector No. | B147 |
| Connector Name | WIRE TO WIRE |
| Connector Type | NS12FW-CS |




| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 4 | BR | – |
| 5 | R | – |
| 9 | V | – |
| 10 | LG | – |
| 11 | GR | – |
| 12 | B | – |

| | |
|---|---|
| Connector No. | B201 |
| Connector Name | WIRE TO WIRE |
| Connector Type | TH80FW-CS16-TM4 |




| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 2 | BR | – [Coupe models] |
| 2 | R | – [Roadster models] |
| 3 | Y | – [Coupe models] |
| 3 | B | – [Roadster models] |
| 4 | G | – |
| 7 | R | – [Coupe models] |
| 7 | Y | – [Roadster models] |
| 8 | LG | – |
| 9 | Y | – |
| 11 | R | – |
| 20 | G | – |
| 21 | R | – |
| 30 | B | – |
| 40 | W | – |
| 41 | V | – |
| 42 | G | – |
| 43 | L | – |
| 44 | SB | – |
| 51 | P | – |
| 52 | L | – |
| 53 | SHIELD | – |
| 54 | BR | – |
| 55 | Y | – |
| 56 | SHIELD | – |
| 57 | G | – [Coupe models] |
| 57 | P | – [Roadster models] |
| 58 | R | – [Coupe models] |
| 58 | L | – [Roadster models] |
| 59 | B | – |
| 60 | W | – |
| 61 | GR | – |
| 62 | B | – |
| 63 | Y | – |
| 64 | V | – |
| 65 | SB | – |
| 66 | BG | – |
| 67 | V | – |
| 68 | P | – |
| 69 | L | – |
| 70 | G | – |
| 72 | B | – |
| 73 | L | – [Coupe models] |
| 73 | B | – [Roadster models] |
| 74 | P | – [Coupe models] |
| 74 | B | – [Roadster models] |
| 75 | W | – [Coupe models] |
| 75 | B | – [Roadster models] |
| 76 | B | – |
| 80 | V | – |
| 81 | SB | – |
| 82 | G | – |
| 83 | R | – |
| 84 | W | – |
| 85 | B | – |
| 86 | SHIELD | – |
| 87 | O | – |
| 88 | BR | – |
| 89 | Y | – |
| 90 | SHIELD | – |
| 92 | SB | – [Coupe models] |
| 92 | LG | – [Roadster models] |
| 93 | V | – [Coupe models] |
| 93 | W | – [Roadster models] |
| 94 | SHIELD | – [Coupe models] |
| 94 | G | – [Roadster models] |
| 95 | GR | – [Coupe models] |
| 95 | LG | – [Roadster models] |
| 97 | LG | – [Coupe models] |
| 97 | LG | – [Roadster models] |
| 97 | Y | – [Roadster models] |
| 98 | W | – [Coupe models] |
| 98 | Y/B | – [Roadster models] |
| 99 | G | – |
| 100 | BR | – [Coupe models] |
| 100 | Y | – [Roadster models] |

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## INTERIOR ROOM LAMP

| Connector No. | B206 |
|---|---|
| Connector Name | PASSENGER SIDE DOOR SWITCH |
| Connector Type | A03FW |

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

| Connector No. | B216 |
|---|---|
| Connector Name | PASSENGER SIDE DOOR SWITCH |
| Connector Type | A03FW |



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

| Connector No. | B301 |
|---|---|
| Connector Name | WIRE TO WIRE |
| Connector Type | TH40MW-NH |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 4 | LG | – |
| 5 | L | – |
| 6 | P | – |
| 8 | O | – |
| 9 | Y | – |
| 14 | BR | – |
| 15 | BR | – |
| 16 | W | – |
| 17 | DG | – |
| 24 | V | – |
| 25 | LG | – |
| 31 | BG | – |
| 32 | P | – |
| 34 | O | – |
| 35 | SB | – |

| Connector No. | B303 |
|---|---|
| Connector Name | SOFT TOP CONTROL UNIT |
| Connector Type | TH40FB-NH |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | BR | SENSOR POWER SUPPLY (ROOF STRIKER SENSOR LH) |
| 3 | DG | ROOF STRIKER SENSOR RH |
| 4 | W | ROOF STRIKER SENSOR LH |
| 8 | Y | REVERSE SIGNAL |
| 9 | SB | POWER CONDITION (POWER WINDOW) |
| 10 | O | TRUNK LID OPEN SIGNAL |
| 11 | O | ROOF STATUS SIGNAL (INDICATOR) |
| 12 | SB | ROOF STATUS SIGNAL (AUDIO) |
| 14 | L | ROOF OPEN / CLOSE SWITCH (CLOSE) |
| 15 | LG | ROOF OPEN / CLOSE SWITCH (OPEN) |
| 16 | V | TRUNK ROOM LAMP SWITCH |
| 17 | BG | CAN-H |
| 18 | P | CAN-L |
| 19 | LG | LOCAL COMMUNICATION (POWER WINDOW) |
| 20 | V | LOCAL COMMUNICATION (BCM) |
| 21 | BR | SENSOR POWER SUPPLY (ROOF STRIKERSENSOR RH) |
| 29 | DG | GND |
| 35 | P | ROOF OPEN / CLOSE SWITCH (GND) |

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



| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 7 | Y | – |
| 8 | Y | – |
| 9 | G | – |
| 10 | BG | – |
| 11 | P | – [With BOSE system] |
| 11 | V | – [Without BOSE system] |
| 12 | L | – |
| 13 | B | – |
| 14 | SB | – [Coupe models] |
| 14 | Y | – [Roadster models] |
| 15 | W | – |
| 19 | G | – |
| 23 | R | – |
| 44 | L | – |
| 47 | B | – |
| 48 | SB | – |
| 49 | W | – |
| 50 | LG | – |
| 51 | R | – |
| 52 | V | – |
| 53 | BG | – |
| 54 | GR | – |
| 55 | G | – |

| Connector No. | D8 |
|---|---|
| Connector Name | POWER WINDOW MAIN SWITCH |
| Connector Type | NS16FW-CS |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | W | – |
| 4 | Y | – |
| 5 | BG | – |
| 6 | GR | – |
| 7 | V | – |
| 8 | L | – |
| 9 | LG | – |
| 10 | Y | – |
| 11 | BR | – |
| 12 | SB | – [Coupe models] |
| 12 | Y | – [Roadster models] |
| 13 | R | – |
| 14 | G | – |
| 15 | B | – |

| Connector No. | D15 |
|---|---|
| Connector Name | DRIVER SIDE DOOR LOCK ASSEMBLY |
| Connector Type | E06FGY-RS |



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

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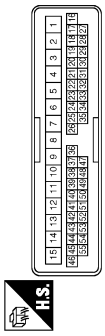
## INTERIOR ROOM LAMP

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

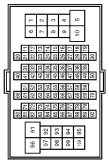


| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 10 | V | – |
| 11 | LG | – |
| 12 | P | – [With BOSE system] |
| 12 | LG | – [Without BOSE system] |
| 13 | V | – [Except for coupe models without BOSE system] |
| 13 | L | – [Except for coupe models without BOSE system] |
| 14 | B | – |
| 15 | W | – |
| 19 | P | – |
| 23 | L | – |
| 44 | L | – |
| 50 | Y | – |
| 51 | Y | – |
| 52 | G | – |
| 53 | BG | – |
| 54 | GR | – |
| 55 | L | – |

| Connector No. | D38 |
|---|---|
| Connector Name | POWER WINDOW SUB-SWITCH |
| Connector Type | NS16FW-CS |

| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 3 | G | – |
| 4 | BG | – |
| 8 | L | – |
| 9 | BR | – |
| 10 | W | – |

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

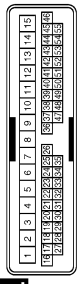


| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | Y | – |
| 3 | L | – |
| 4 | L | – |
| 7 | B | – |
| 8 | P | – |
| 9 | B | – |
| 11 | V | – |
| 12 | R | – |
| 13 | L | – |
| 14 | GR | – |
| 15 | P | – |
| 16 | W | – |
| 17 | SB | – |
| 20 | LG | – [Coupe models] |
| 21 | BR | – [Roadster models] |
| 21 | G | – |
| 31 | L | – |
| 32 | Y | – |
| 33 | P | – |
| 34 | L | – |
| 35 | BR | – |
| 36 | V | – |
| 37 | Y | – |
| 38 | R | – |
| 39 | B | – |
| 40 | W | – |
| 41 | LG | – |
| 42 | SB | – |
| 43 | G | – |
| 44 | GR | – [Except for roadster models with M/T] |
| 44 | R | – [Roadster models with M/T] |
| 45 | BG | – |
| 46 | W | – |
| 47 | P | – |
| 58 | SHIELD | – |
| 59 | L | – |
| 70 | P | – |
| 80 | W | – |
| 81 | P | – |
| 82 | G | – |
| 83 | V | – |
| 84 | L | – |
| 85 | BG | – |
| 86 | LG | – |
| 87 | R | – |
| 89 | P | – |
| 91 | W | – |
| 92 | L | – |
| 93 | G | – |
| 94 | Y | – |
| 96 | Y | – |
| 97 | BR | – |
| 98 | GR | – |
| 99 | LG | – |
| 100 | BG | – |

| Connector No. | M1 |
|---|---|
| Connector Name | FUSE BLOCK (J/B) |
| Connector Type | NS06FW-M2 |

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

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



| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 7 | Y | – |
| 8 | Y | – |
| 9 | G | – |
| 10 | V | – |
| 11 | V | – |
| 12 | L | – |
| 13 | B | – |
| 14 | Y | – |
| 15 | W | – |
| 19 | Y | – |
| 23 | Y/B | – |
| 44 | L | – |
| 47 | B | – |
| 48 | SB | – |
| 49 | Y | – |
| 50 | W | – |
| 51 | R | – |
| 52 | L | – |
| 53 | W | – |
| 54 | G | – |
| 55 | R | – |

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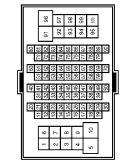
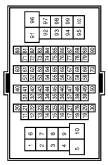
## INTERIOR ROOM LAMP

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



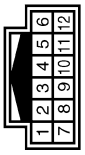
| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | Y | – |
| 3 | L | – |
| 4 | L | – |
| 7 | B | – |
| 8 | P | – |
| 9 | B | – |
| 11 | GR | – |
| 12 | R | – |
| 13 | L | – |
| 14 | G | – |
| 15 | P | – |
| 16 | W | – |
| 17 | BR | – |
| 20 | GR | – |
| 21 | R | – |
| 31 | BR | – |
| 32 | V | – |
| 33 | P | – |
| 34 | L | – |
| 35 | BR | – |
| 36 | SB | – |
| 37 | Y | – |
| 38 | LG | – |
| 39 | SB | – |
| 40 | W | – |
| 41 | LG | – |
| 42 | R | – |
| 43 | G | – [With A/T] |
| 44 | G | – [With M/T] |
| 44 | R | – |
| 45 | O | – |
| 46 | G | – |
| 47 | BR | – |
| 58 | SHIELD | – |
| 59 | L | – |
| 70 | R | – |
| 80 | LG | – |
| 81 | GR | – |
| 82 | V | – |
| 83 | V | – |
| 84 | L | – |
| 85 | BR | – |
| 86 | Y | – |
| 87 | G | – |
| 89 | P | – |
| 91 | W | – |
| 92 | P | – |
| 93 | P | – |
| 94 | Y | – |
| 96 | P | – |
| 97 | GR | – |
| 98 | O | – |
| 99 | W | – |
| 100 | R | – |

| Connector No. | M7 |
|---|---|
| Connector Name | WIRE TO WIRE |
| Connector Type | TH80MW-CS16-TM4 |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | BR | – |
| 2 | O | – |
| 3 | LG | – |
| 4 | O | – |
| 6 | V | – |
| 7 | LG | – |
| 8 | SB | – |
| 9 | GR | – |
| 11 | Y | – |
| 12 | V | – |
| 13 | BR | – |
| 14 | V | – |
| 15 | B | – |
| 16 | V | – |
| 17 | R | – |
| 18 | L | – |
| 20 | SB | – |
| 21 | G | – |
| 22 | GR | – |
| 23 | V | – |
| 24 | R | – |
| 25 | L | – |
| 26 | P | – |
| 27 | B | – |
| 28 | SHIELD | – |
| 31 | W | – |
| 32 | B | – |
| 33 | W | – |
| 34 | R | – |
| 35 | B | – |
| 36 | L | – |
| 40 | L | – |
| 41 | R | – |
| 42 | GR | – |
| 43 | R | – |
| 44 | R | – |
| 45 | O | – |
| 46 | SHIELD | – [Coupe models] |
| 46 | G | – [Roadster models] |
| 47 | R | – |
| 48 | SHIELD | – |
| 51 | V | – |
| 52 | R | – |
| 57 | SHIELD | – |
| 58 | B | – |
| 60 | L | – |
| 61 | R | – |
| 62 | SHIELD | – |
| 63 | R | – |
| 64 | G | – |
| 65 | SHIELD | – |
| 66 | LG | – |
| 67 | V | – |
| 68 | SHIELD | – |
| 69 | L | – |
| 70 | P | – |
| 71 | V | – |
| 72 | P | – |
| 73 | BR | – |
| 74 | GR | – |
| 75 | O | – |
| 80 | Y | – |
| 81 | W | – |
| 82 | BR | – |
| 83 | GR | – |
| 84 | L | – |
| 85 | LG | – |
| 86 | V | – |
| 87 | BR | – |
| 88 | SB | – |
| 93 | Y | – |
| 94 | SB | – [Coupe models] |
| 94 | L | – [Roadster models] |
| 95 | GR | – [Coupe models] |
| 95 | W | – [Roadster models] |
| 96 | L | – |
| 97 | LG | – [Coupe models] |
| 97 | Y | – [Roadster models] |
| 98 | BG | – [Coupe models] |
| 98 | Y/B | – [Roadster models] |
| 99 | W | – |
| 100 | B | – |

| Connector No. | M18 |
|---|---|
| Connector Name | WIRE TO WIRE |
| Connector Type | TH12MW-NH |



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

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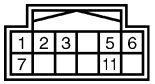
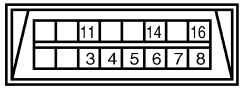
## INTERIOR ROOM LAMP

| | |
|---|---|
| Connector No. | M22 |
| Connector Name | KEY SLOT |
| Connector Type | TH12FW-NH |



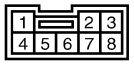

| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | P | BAT |
| 2 | GR | CLOCK |
| 3 | W | DATA |
| 5 | Y | ILL BAT |
| 6 | LG | ILL |
| 7 | B | GND |
| 11 | R | KEY SWITCH SIGNAL |

| | |
|---|---|
| Connector No. | M24 |
| Connector Name | DATA LINK CONNECTOR |
| Connector Type | BD16FW |



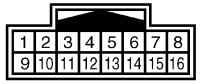

| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 3 | LG | – [Coupe models] |
| 3 | Y | – [Roadster models] |
| 4 | B | – |
| 5 | B | – |
| 6 | L | – |
| 7 | Y | – |
| 8 | G | – |
| 11 | Y | – [Coupe models] |
| 11 | LG | – [Roadster models] |
| 14 | P | – |
| 16 | Y | – |

| | |
|---|---|
| Connector No. | M50 |
| Connector Name | PUSH-BUTTON IGNITION SWITCH |
| Connector Type | TK08FBR |



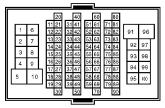

| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | B | – |
| 2 | R | – |
| 3 | G | – |
| 4 | BR | – |
| 5 | GR | – |
| 6 | Y | – |
| 7 | V | – |
| 8 | P | – |

| | |
|---|---|
| Connector No. | M106 |
| Connector Name | WIRE TO WIRE |
| Connector Type | TH16MW-NH |




| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 4 | W | – |
| 5 | R | – |
| 6 | B | – |
| 7 | P | – |
| 8 | R | – |
| 11 | B | – |
| 12 | G | – |
| 13 | Y | – |
| 14 | SHIELD | – |
| 15 | R | – |
| 16 | G | – |

| | |
|---|---|
| Connector No. | M117 |
| Connector Name | WIRE TO WIRE |
| Connector Type | TH80MW-CS16-TM4 |




| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 2 | GR | – [Coupe models] |
| 2 | LG | – [Roadster models] |
| 3 | O | – [Coupe models] |
| 3 | B | – [Roadster models] |
| 4 | W | – |
| 7 | LG | – [Coupe models] |
| 7 | Y | – [Roadster models] |
| 8 | LG | – |
| 9 | Y | – |
| 11 | R | – |
| 20 | G | – |
| 21 | R | – |
| 30 | B | – |
| 40 | O | – |
| 41 | Y | – |
| 42 | G | – |
| 43 | L | – |
| 44 | SB | – |
| 51 | R | – |
| 52 | G | – |
| 53 | SHIELD | – |
| 54 | LG | – |
| 55 | V | – |
| 56 | SHIELD | – |
| 57 | G | – [Coupe models] |
| 57 | P | – [Roadster models] |
| 58 | R | – [Coupe models] |
| 58 | L | – [Roadster models] |
| 59 | B | – |
| 60 | W | – |
| 61 | GR | – |
| 62 | B | – |
| 63 | Y | – |
| 64 | L | – |
| 65 | G | – |
| 66 | O | – |
| 67 | V | – |
| 68 | P | – |
| 69 | L | – |
| 70 | L | – |
| 72 | B | – |
| 73 | B | – |
| 74 | B | – |
| 75 | B | – |
| 76 | B | – |
| 80 | L | – |
| 81 | Y | – |
| 82 | W | – |
| 83 | B | – |
| 84 | R | – |
| 85 | G | – |
| 86 | SHIELD | – |
| 87 | G | – |
| 88 | L | – |
| 89 | P | – [Coupe models] |
| 89 | Y | – [Roadster models] |
| 90 | SHIELD | – |
| 92 | G | – [Coupe models] |
| 92 | LG | – [Roadster models] |
| 93 | R | – [Coupe models] |
| 93 | V | – [Roadster models] |
| 94 | SHIELD | – [Coupe models] |
| 94 | G | – [Roadster models] |
| 95 | SB | – [Coupe models] |
| 95 | LG | – [Roadster models] |
| 97 | LG | – [Coupe models] |
| 97 | Y | – [Roadster models] |
| 98 | V | – [Coupe models] |
| 98 | Y/B | – [Roadster models] |
| 99 | G | – |
| 100 | BR | – [Coupe models] |
| 100 | Y | – [Roadster models] |

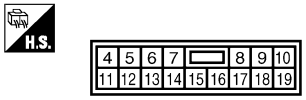
JCLWA4499GB

## INTERIOR ROOM LAMP

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

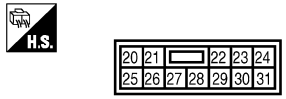

| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | W | BAT (F/L) |
| 2 | W | POWER WINDOW POWER SUPPLY (BAT) |
| 3 | Y | POWER WINDOW POWER SUPPLY (IGN) |

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



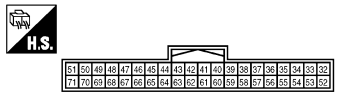

| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 4 | R | INTERIOR ROOM LAMP POWER SUPPLY |
| 5 | G | SUPER LOCK OUTPUT |
| 8 | V | ALL DOOR, FUEL LID LOCK OUTPUT |
| 9 | G | DRIVER DOOR, FUEL LID UNLOCK OUTPUT |
| 11 | BR | BAT (FUSE) |
| 13 | B | GND |
| 14 | R | PUSH-BUTTON IGNITION SW ILL POWER |
| 15 | Y | ACC IND |
| 17 | W | TURN SIGNAL RH (FRONT, SIDE) |
| 18 | O | TURN SIGNAL LH (FRONT, SIDE) |
| 19 | P | ROOM LAMP TIMER CONTROL |

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



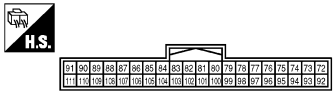

| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 20 | V | TURN SIGNAL RH (REAR) |
| 23 | L | BACK DOOR OPEN OUTPUT [Coupe models] |
| 23 | Y | TRUNK LID OPEN OUTPUT [Roadster models] |
| 24 | O | REAR FOG OUTPUT |
| 25 | LG | TURN SIGNAL LH (REAR) |
| 30 | R | LUGGAGE ROOM LAMP OUTPUT |

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



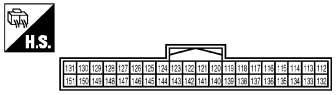

| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 34 | G | LUGGAGE ROOM ANT- |
| 35 | R | LUGGAGE ROOM ANT+ |
| 38 | B | BACK DOOR ANT- |
| 39 | W | BACK DOOR ANT+ |
| 47 | V | IGN RELAY (IPDM E/R) CONT |
| 52 | SB | STARTER RELAY CONT |
| 61 | W | BACK DOOR REQUEST SW [Coupe models] |
| 61 | W | TRUNK LID REQUEST SW [Roadster models] |
| 64 | G | I-KEY WARN BUZZER (ENG ROOM) |
| 66 | R | BACK DOOR SW [Coupe models] |
| 66 | R | TRUNK ROOM LAMP SW [Roadster models] |
| 67 | GR | BACK DOOR OPENER SW [Coupe models] |
| 67 | GR | TRUNK LID OPENER SW [Roadster models] |

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




| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 72 | L | ROOM ANT 2- |
| 73 | P | ROOM ANT 2+ |
| 74 | SB | PASSENGER DOOR ANT- |
| 75 | BR | PASSENGER DOOR ANT+ |
| 76 | V | DRIVER DOOR ANT- |
| 77 | LG | DRIVER DOOR ANT+ |
| 78 | L | ROOM ANT 1- |
| 79 | R | ROOM ANT 1+ |
| 80 | GR | NATS ANT AMP. |
| 81 | W | NATS ANT AMP. |
| 82 | R | IGN RELAY (F/B) CONT |
| 83 | GR | KYLS ENT RECEIVER (FRONT) COMM |
| 87 | BR | COMBI SW INPUT 5 |
| 88 | V | COMBI SW INPUT 3 |
| 89 | BR | PUSH SW |
| 90 | P | CAN-L |
| 91 | L | CAN-H |
| 92 | LG | KEY SLOT ILL |
| 93 | V | ON IND |
| 95 | O | ACC RELAY CONT |
| 96 | Y | A/T SHIFT SELECTOR POWER SUPPLY |
| 97 | L | S/L CONDITION 1 |
| 98 | P | S/L CONDITION 2 |
| 99 | R | CLUTCH PEDAL POS SW [With M/T] |
| 99 | R | SHIFT P [With A/T] |
| 100 | GR | PASSENGER DOOR REQUEST SW |
| 101 | Y | DRIVER DOOR REQUEST SW |
| 102 | O | BLOWER FAN MOTOR RELAY CONT |
| 103 | LG | KYLS ENT RECEIVER (FRONT) PWR SUPPLY |
| 106 | W | S/L UNIT POWER SUPPLY |
| 107 | LG | COMBI SW INPUT 1 |
| 108 | R | COMBI SW INPUT 4 |
| 109 | Y | COMBI SW INPUT 2 |
| 110 | P | HAZARD SW |
| 111 | Y | S/L UNIT COMM |

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

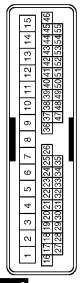



| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 113 | O | OPTICAL SENSOR |
| 114 | R | CLUTCH INTERLOCK SW |
| 115 | O | SHOCK SENSOR |
| 116 | SB | STOP LAMP SW 1 |
| 118 | P | STOP LAMP SW 2 |
| 119 | SB | DR DOOR UNLOCK SENSOR |
| 121 | R | KEY SLOT SW |
| 123 | W | IGN F/B |
| 124 | LG | PASSENGER DOOR SW |
| 129 | O | TRUNK LID OPENER CANCEL SW |
| 130 | L | REAR DEFOGGER SW |
| 132 | V | P/W SW & SOFT TOP C/U COMM [Roadster models] |
| 132 | Y | POWER WINDOW SW COMM [Coupe models] |
| 133 | G | PUSH BUTTON IGNITION SW ILL POWER |
| 134 | GR | LOCK IND |
| 137 | P | RECEIVER/SENSOR GND |
| 138 | V | RECEIVER / SENSOR POWER SUPPLY |
| 139 | L | TIRE PRESS/KYLS ENT (REAR) RECEIV COMM |
| 140 | G | P/N POSITION SW [With M/T] |
| 140 | G | SHIFT N/P [With A/T] |
| 141 | Y | SECURITY INDICATOR |
| 142 | O | COMBI SW OUTPUT 5 |
| 143 | P | COMBI SW OUTPUT 1 |
| 144 | G | COMBI SW OUTPUT 2 |
| 145 | L | COMBI SW OUTPUT 3 |
| 146 | SB | COMBI SW OUTPUT 4 |
| 150 | GR | DRIVER DOOR SW |
| 151 | G | REAR WINDOW DEFOGGER RELAY CONT |

JCLWA4500GB

INTERIOR ROOM LAMP

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



| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 10 | G | – |
| 11 | V | – |
| 12 | LG | – |
| 13 | V | – |
| 14 | B | – |
| 15 | W | – |
| 19 | Y | – |
| 23 | Y/B | – |
| 44 | O | – |
| 50 | Y | – |
| 51 | Y | – |
| 52 | GR | – |
| 53 | W | – |
| 54 | G | – |
| 55 | R | – |

| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 13 | G | – |
| 14 | SHIELD | – |
| 15 | R | – |
| 16 | G | – |

| Connector No. | R2 |
|---|---|
| Connector Name | VANITY MIRROR LAMP LH |
| Connector Type | MCA02FW |

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

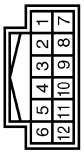
| Connector No. | R3 |
|---|---|
| Connector Name | VANITY MIRROR LAMP RH |
| Connector Type | MCA02FW |

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

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

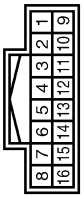
| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | R | – |
| 2 | V | – |
| 3 | B | – |
| 4 | SB | – |
| 5 | Y | – |
| 6 | GR | – |

| Connector No. | R11 |
|---|---|
| Connector Name | WIRE TO WIRE |
| Connector Type | TH12FW-NH |



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

| Connector No. | R1 |
|---|---|
| Connector Name | WIRE TO WIRE |
| Connector Type | TH16FW-NH |



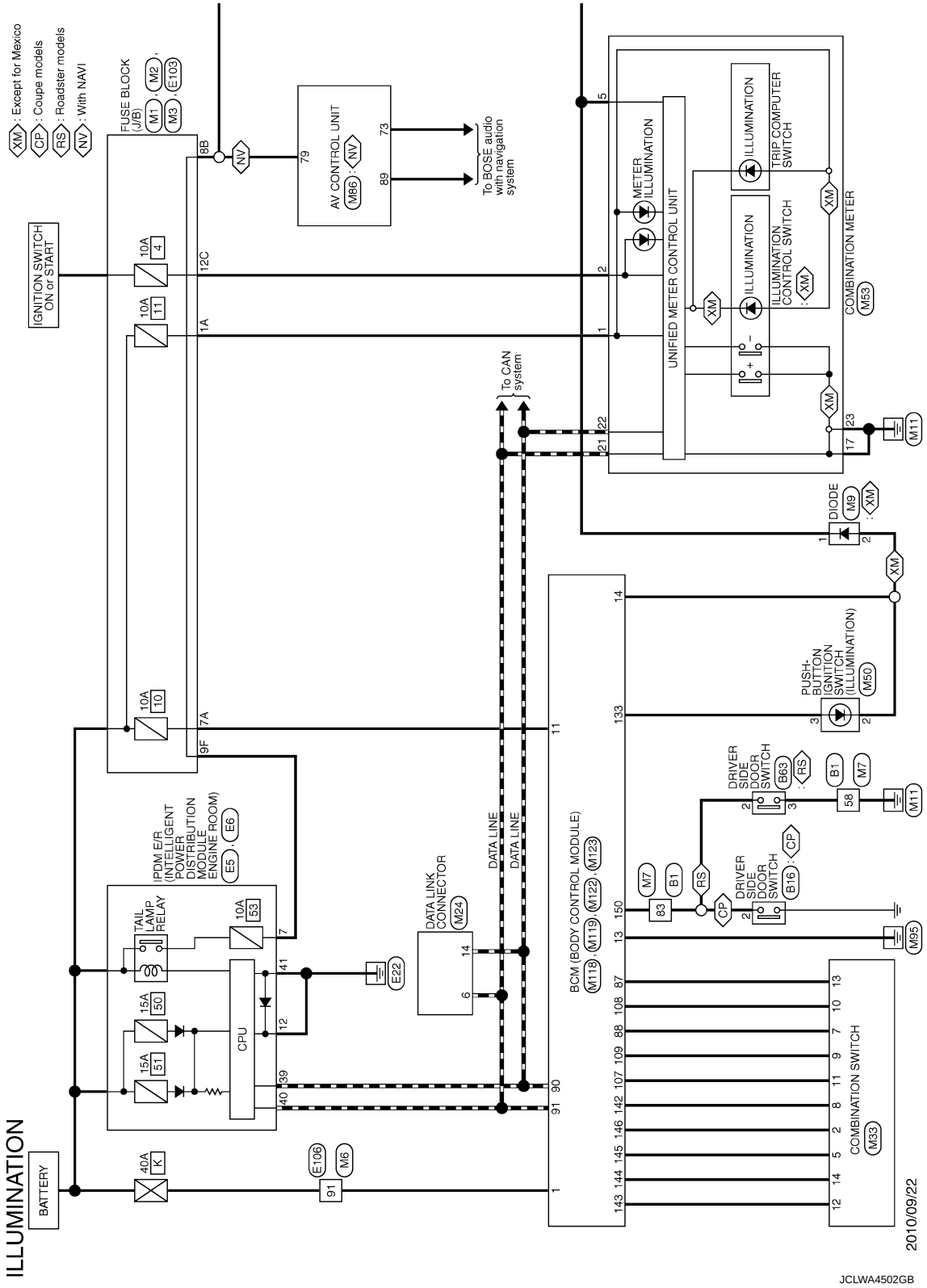
| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 4 | W | – |
| 5 | R | – |
| 6 | B | – |
| 7 | P | – |
| 8 | R | – |
| 11 | B | – |
| 12 | Y | – |

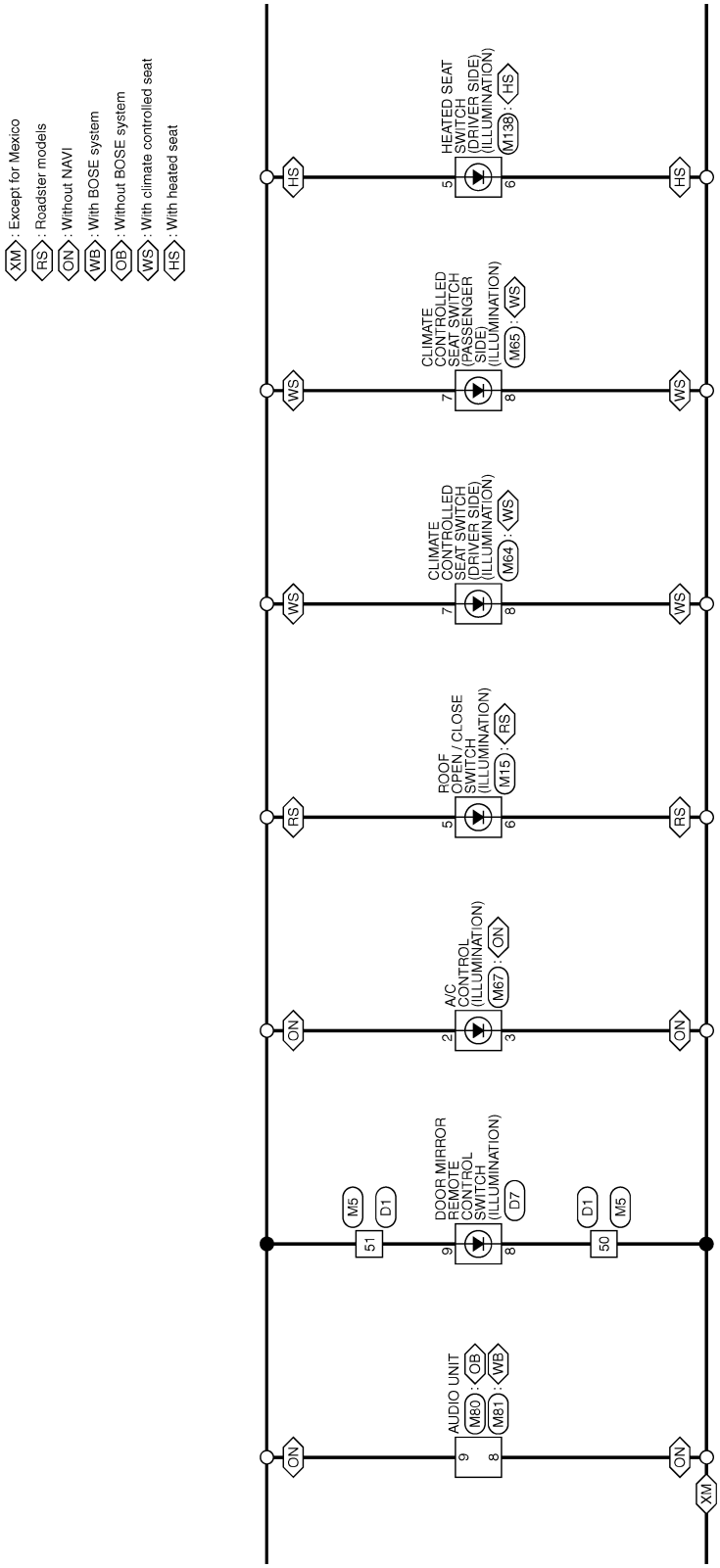
JCLWA4501GB

# ILLUMINATION

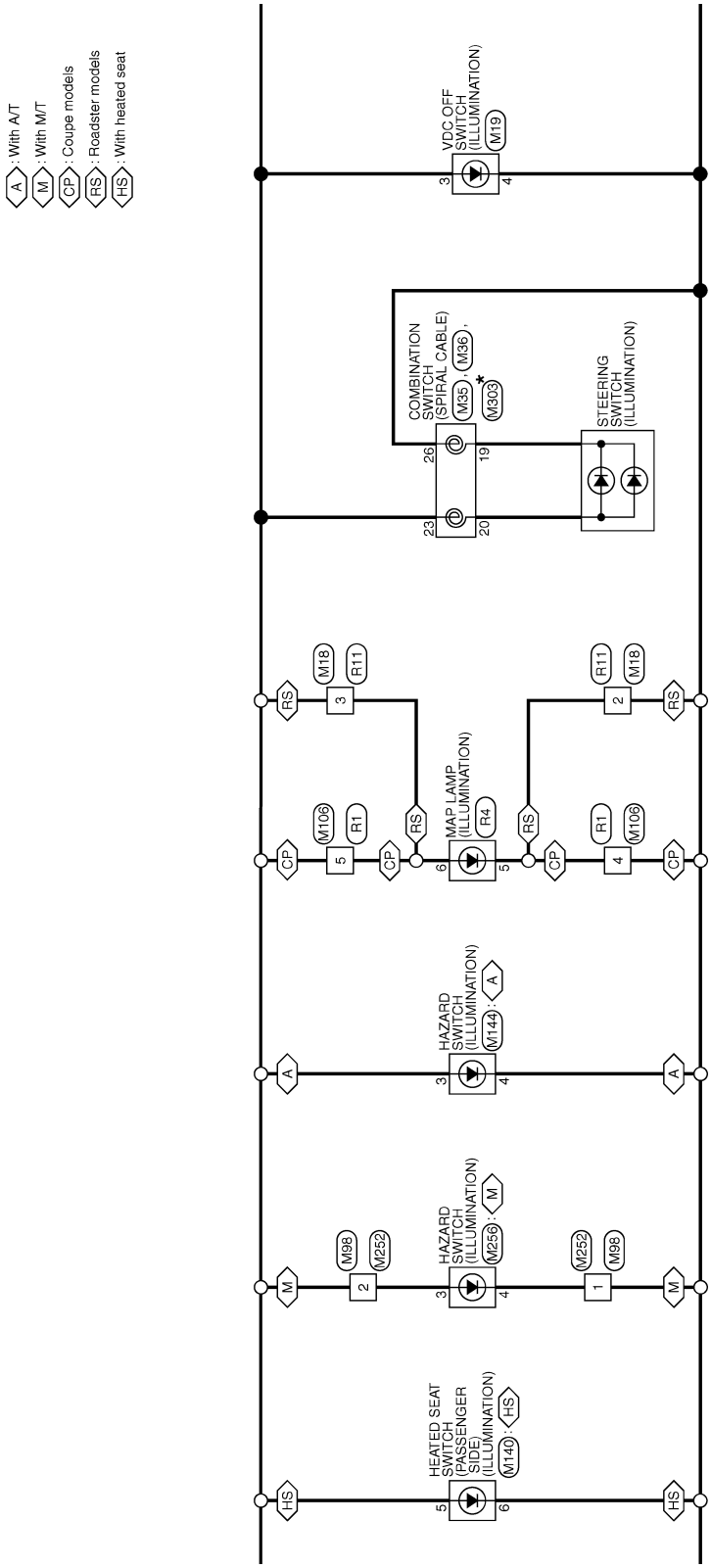
## Wiring Diagram

INFOID:0000000006918517



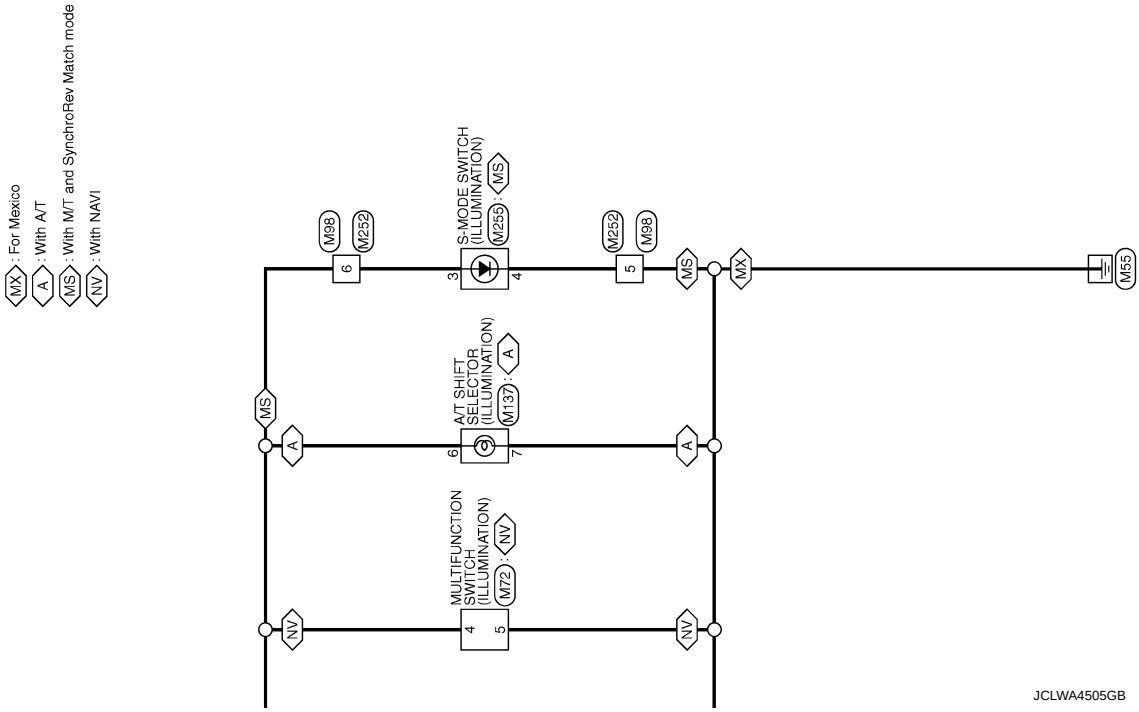



JCLWA4503GB



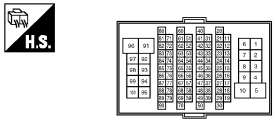

* : This connector is not shown in "Harness Layout".

JCLWA4504GB


MX : For Mexico
A : With A/T
MS : With M/T and SynchroRev Match mode
NV : With NAVI
M98
M252
6
S-MODE SWITCH
(ILLUMINATION)
M255
MS
3
4
M252
M98
5
MS
MX
M55
MS
A
A/T SHIFT
SELECTOR
(ILLUMINATION)
M137
A
6
7
A
NV
MULTIFUNCTION
SWITCH
(ILLUMINATION)
M72
NV
4
5
NV
JCLWA4505GB

## ILLUMINATION

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



| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | G | – |
| 2 | BG | – |
| 3 | Y | – |
| 4 | W | – |
| 6 | V | – |
| 7 | LG | – |
| 8 | GR | – |
| 9 | SB | – |
| 11 | Y | – |
| 12 | W | – |
| 13 | BR | – |
| 14 | LG | – |
| 15 | B | – |
| 16 | V | – |
| 17 | R | – |
| 18 | B | – |
| 20 | SB | – |
| 21 | G | – |
| 22 | GR | – |
| 23 | V | – |
| 24 | BG | – |
| 25 | L | – |
| 26 | P | – |
| 27 | W | – |
| 28 | SHIELD | – |
| 31 | W | – |
| 32 | B | – |
| 33 | P | – [Coupe models] |
| 33 | W | – [Roadster models] |
| 34 | R | – |
| 35 | W | – [Coupe models] |
| 35 | B | – [Roadster models] |
| 36 | B | – |
| 40 | Y | – |
| 41 | L | – |
| 42 | GR | – |
| 43 | BR | – |
| 44 | R | – |
| 45 | BG | – |
| 46 | SHIELD | – [Coupe models] |
| 46 | SB | – [Roadster models] |
| 47 | V | – |
| 48 | SHIELD | – |
| 51 | W | – |
| 52 | R | – |
| 57 | SHIELD | – |
| 58 | B | – |
| 60 | V | – |
| 61 | SB | – |
| 62 | SHIELD | – |
| 63 | BR | – |
| 64 | Y | – |
| 65 | SHIELD | – |
| 66 | P | – |
| 67 | L | – |
| 68 | SHIELD | – |
| 69 | R | – |
| 70 | G | – |
| 71 | V | – |
| 72 | P | – |
| 73 | BR | – |
| 74 | GR | – |
| 75 | BG | – |
| 80 | Y | – |
| 81 | R | – |
| 82 | B | – |
| 83 | GR | – |
| 84 | G | – [Coupe models] |
| 84 | L | – [Roadster models] |
| 85 | LG | – |
| 86 | V | – |
| 87 | BR | – |
| 88 | GR | – |
| 93 | Y | – |
| 94 | L | – [Coupe models] |
| 94 | G | – [Roadster models] |
| 95 | GR | – [Coupe models] |
| 95 | LG | – [Roadster models] |
| 96 | L | – |
| 97 | Y | – |
| 98 | W | – [Coupe models] |
| 98 | Y/B | – [Roadster models] |
| 99 | LG | – |
| 100 | B | – |

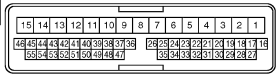
| | |
|---|---|
| Connector No. | B16 |
| Connector Name | DRIVER SIDE DOOR SWITCH |
| Connector Type | A03FW |

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

| | |
|---|---|
| Connector No. | B63 |
| Connector Name | DRIVER SIDE DOOR SWITCH |
| Connector Type | A03FW |

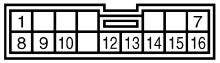
| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 2 | GR | – |
| 3 | B | – |

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



| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 7 | Y | – |
| 8 | Y | – |
| 9 | G | – |
| 10 | BG | – |
| 11 | P | – [With BOSE system] |
| 11 | V | – [Without BOSE system] |
| 12 | L | – |
| 13 | B | – |
| 14 | SB | – [Coupe models] |
| 14 | Y | – [Roadster models] |
| 15 | W | – |
| 19 | G | – |
| 23 | R | – |
| 44 | L | – |
| 47 | B | – |
| 48 | SB | – |
| 49 | W | – |
| 50 | LG | – |
| 51 | R | – |
| 52 | V | – |
| 53 | BG | – |
| 54 | GR | – |
| 55 | G | – |

| | |
|---|---|
| Connector No. | D7 |
| Connector Name | DOOR MIRROR REMOTE CONTROL SWITCH |
| Connector Type | TK16FW |

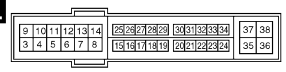


| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | B | – |
| 7 | V | – |
| 8 | LG | – |
| 9 | R | – |
| 10 | Y | – |
| 12 | G | – |
| 13 | GR | – |
| 14 | L | – |
| 15 | BG | – |
| 16 | BR | – |

JCLWA4506GB

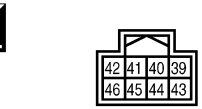
## ILLUMINATION

| | |
|---|---|
| Connector No. | E5 |
| Connector Name | IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) |
| Connector Type | TH20FW-CS12-M4-1V |



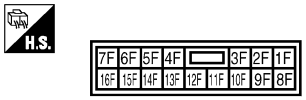

| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 4 | V | – |
| 5 | L | – |
| 6 | R | – |
| 7 | R | – [Coupe models] |
| 7 | V | – [Roadster models] |
| 11 | BR | – |
| 12 | B/W | – |
| 13 | Y | – |
| 16 | LG | – |
| 19 | W | – |
| 25 | G | – |
| 27 | Y | – |
| 28 | L | – |
| 30 | GR | – |
| 32 | L | – |
| 33 | P | – |
| 36 | G | – |

| | |
|---|---|
| Connector No. | E6 |
| Connector Name | IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) |
| Connector Type | TH08FW-NH |



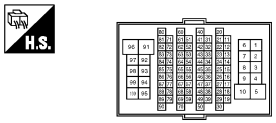

| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 39 | P | – |
| 40 | L | – |
| 41 | B/W | – |
| 42 | Y | – |
| 43 | SB | – |
| 44 | W | – |
| 45 | G | – |
| 46 | V | – |

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



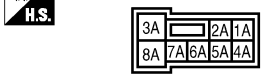

| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 1F | SB | – |
| 2F | W | – |
| 4F | G | – |
| 6F | BG | – |
| 8F | L | – |
| 9F | R | – [Coupe models] |
| 9F | V | – [Roadster models] |

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



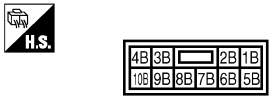

| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | Y | – |
| 3 | L | – |
| 4 | L | – |
| 7 | B | – |
| 8 | P | – |
| 9 | B | – |
| 11 | V | – |
| 12 | R | – |
| 13 | L | – |
| 14 | GR | – |
| 15 | P | – |
| 16 | W | – |
| 17 | SB | – |
| 20 | LG | – |
| 21 | BR | – [Coupe models] |
| 21 | G | – [Roadster models] |
| 31 | L | – |
| 32 | Y | – |
| 33 | P | – |
| 34 | L | – |
| 35 | BR | – |
| 36 | V | – |
| 37 | Y | – |
| 38 | R | – |
| 39 | B | – |
| 40 | W | – |
| 41 | LG | – |
| 42 | SB | – |
| 43 | G | – |
| 44 | GR | – [Except for roadster models with M/T] |
| 44 | R | – [Roadster models with M/T] |
| 45 | BG | – |
| 46 | W | – |
| 47 | P | – |
| 58 | SHIELD | – |
| 59 | L | – |
| 70 | P | – |
| 80 | W | – |
| 81 | P | – |
| 82 | G | – |
| 83 | V | – |
| 84 | L | – |
| 85 | BG | – |
| 86 | LG | – |
| 87 | R | – |
| 89 | P | – |
| 91 | W | – |
| 92 | L | – |
| 93 | G | – |
| 94 | Y | – |
| 96 | Y | – |
| 97 | BR | – |
| 98 | GR | – |
| 99 | LG | – |
| 100 | BG | – |

| | |
|---|---|
| Connector No. | M1 |
| Connector Name | FUSE BLOCK (J/B) |
| Connector Type | NS06FW-M2 |




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

| | |
|---|---|
| Connector No. | M2 |
| Connector Name | FUSE BLOCK (J/B) |
| Connector Type | NS10FW-CS |

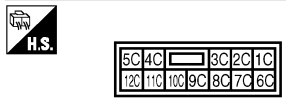



| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 3B | P | – |
| 4B | G | – |
| 5B | O | – |
| 6B | Y | – |
| 8B | R | – |
| 9B | SB | – |

JCLWA4507GB

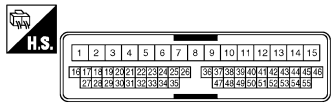
## ILLUMINATION

| | |
|---|---|
| Connector No. | M3 |
| Connector Name | FUSE BLOCK (J/B) |
| Connector Type | NS12FW-CS |



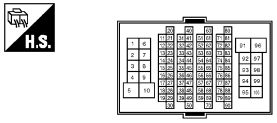

| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 6C | R | – |
| 7C | B | – |
| 9C | O | – |
| 10C | L | – |
| 11C | LG | – |
| 12C | O | – |

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




| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 7 | Y | – |
| 8 | Y | – |
| 9 | G | – |
| 10 | V | – |
| 11 | V | – |
| 12 | L | – |
| 13 | B | – |
| 14 | Y | – |
| 15 | W | – |
| 19 | Y | – |
| 23 | Y/B | – |
| 44 | L | – |
| 47 | B | – |
| 48 | SB | – |
| 49 | Y | – |
| 50 | W | – |
| 51 | R | – |
| 52 | L | – |
| 53 | W | – |
| 54 | G | – |
| 55 | R | – |

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

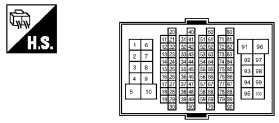



| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | Y | – |
| 3 | L | – |
| 4 | L | – |
| 7 | B | – |
| 8 | P | – |
| 9 | B | – |
| 11 | GR | – |
| 12 | R | – |
| 13 | L | – |
| 14 | G | – |
| 15 | P | – |
| 16 | W | – |
| 17 | BR | – |
| 20 | GR | – |
| 21 | R | – |
| 31 | BR | – |
| 32 | V | – |
| 33 | P | – |
| 34 | L | – |
| 35 | BR | – |
| 36 | SB | – |
| 37 | Y | – |
| 38 | LG | – |
| 39 | SB | – |
| 40 | W | – |
| 41 | LG | – |
| 42 | R | – |
| 43 | G | – |
| 44 | G | – [With A/T] |
| 44 | R | – [With M/T] |
| 45 | O | – |
| 46 | G | – |
| 47 | BR | – |
| 58 | SHIELD | – |
| 59 | L | – |
| 70 | R | – |
| 80 | LG | – |
| 81 | GR | – |
| 82 | V | – |
| 83 | V | – |
| 84 | L | – |
| 85 | BR | – |
| 86 | Y | – |
| 87 | G | – |
| 89 | P | – |
| 91 | W | – |
| 92 | P | – |
| 93 | P | – |
| 94 | Y | – |
| 96 | P | – |
| 97 | GR | – |
| 98 | O | – |
| 99 | W | – |
| 100 | R | – |

JCLWA4508GB

## ILLUMINATION

| Connector No. | M7 |
|---|---|
| Connector Name | WIRE TO WIRE |
| Connector Type | TH80MW-CS16-TM4 |

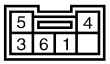


| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | BR | – |
| 2 | O | – |
| 3 | LG | – |
| 4 | O | – |
| 6 | V | – |
| 7 | LG | – |
| 8 | SB | – |
| 9 | GR | – |
| 11 | Y | – |
| 12 | V | – |
| 13 | BR | – |
| 14 | V | – |
| 15 | B | – |
| 16 | V | – |
| 17 | R | – |
| 18 | L | – |
| 20 | SB | – |
| 21 | G | – |
| 22 | GR | – |
| 23 | V | – |
| 24 | R | – |
| 25 | L | – |
| 26 | P | – |
| 27 | B | – |
| 28 | SHIELD | – |
| 31 | W | – |
| 32 | B | – |
| 33 | W | – |
| 34 | R | – |
| 35 | B | – |
| 36 | L | – |
| 40 | L | – |
| 41 | R | – |
| 42 | GR | – |
| 43 | R | – |
| 44 | R | – |
| 45 | O | – |
| 46 | SHIELD | – [Coupe models] |
| 46 | G | – [Roadster models] |
| 47 | R | – |
| 48 | SHIELD | – |
| 51 | V | – |
| 52 | R | – |
| 57 | SHIELD | – |
| 58 | B | – |
| 60 | L | – |
| 61 | R | – |
| 62 | SHIELD | – |
| 63 | R | – |
| 64 | G | – |
| 65 | SHIELD | – |
| 66 | LG | – |
| 67 | V | – |
| 68 | SHIELD | – |
| 69 | L | – |
| 70 | P | – |
| 71 | V | – |
| 72 | P | – |
| 73 | BR | – |
| 74 | GR | – |
| 75 | O | – |
| 80 | Y | – |
| 81 | W | – |
| 82 | BR | – |
| 83 | GR | – |
| 84 | L | – |
| 85 | LG | – |
| 86 | V | – |
| 87 | BR | – |
| 88 | SB | – |
| 93 | Y | – |
| 94 | SB | – [Coupe models] |
| 94 | L | – [Roadster models] |
| 95 | GR | – [Coupe models] |
| 95 | W | – [Roadster models] |
| 96 | L | – |
| 97 | LG | – [Coupe models] |
| 97 | Y | – [Roadster models] |
| 98 | BG | – [Coupe models] |
| 98 | Y/B | – [Roadster models] |
| 99 | W | – |
| 100 | B | – |

| Connector No. | M9 |
|---|---|
| Connector Name | DIODE |
| Connector Type | 24335 C9900 |

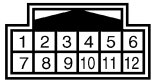
| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | W | – |
| 2 | R | – |

| Connector No. | M15 |
|---|---|
| Connector Name | ROOF OPEN / CLOSE SWITCH |
| Connector Type | TK06FW-1V |



| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | B | – |
| 3 | V | – |
| 4 | BR | – |
| 5 | R | – |
| 6 | R | – |

| Connector No. | M18 |
|---|---|
| Connector Name | WIRE TO WIRE |
| Connector Type | TH12MW-NH |



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

| Connector No. | M19 |
|---|---|
| Connector Name | VDC OFF SWITCH |
| Connector Type | TK04FW |

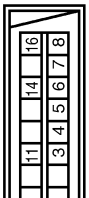
| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | LG | – |
| 2 | B | – |
| 3 | R | – |
| 4 | W | – |

JCLWA4509GB

## ILLUMINATION

| Connector No. | M24 |
|---|---|
| Connector Name | DATA LINK CONNECTOR |
| Connector Type | BD16FW |

H.S.




| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 3 | LG | – [Coupe models] |
| 3 | Y | – [Roadster models] |
| 4 | B | – |
| 5 | B | – |
| 6 | L | – |
| 7 | Y | – |
| 8 | G | – |
| 11 | Y | – [Coupe models] |
| 11 | LG | – [Roadster models] |
| 14 | P | – |
| 16 | Y | – |

| Connector No. | M33 |
|---|---|
| Connector Name | COMBINATION SWITCH |
| Connector Type | TH16FW-NH |

H.S.


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

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

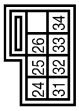
| Connector No. | M35 |
|---|---|
| Connector Name | COMBINATION SWITCH (SPIRAL CABLE) |
| Connector Type | TK06FY-EX-IV |

H.S.


| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 23 | W | – |
| 28 | Y | – |
| 29 | Y | – |
| 30 | Y | – |

| Connector No. | M36 |
|---|---|
| Connector Name | COMBINATION SWITCH (SPIRAL CABLE) |
| Connector Type | TK08FGY-IV |

H.S.




| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 24 | P | – |
| 25 | SB | – |
| 26 | W | – |
| 31 | L | – |
| 32 | Y | – |
| 33 | B | – |
| 34 | LG | – |

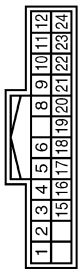
| Connector No. | M50 |
|---|---|
| Connector Name | PUSH-BUTTON IGNITION SWITCH |
| Connector Type | TK08FBR |

H.S.


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

| Connector No. | M53 |
|---|---|
| Connector Name | COMBINATION METER |
| Connector Type | TH24FW-NH |

H.S.




| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | V | BATTERY POWER SUPPLY |
| 2 | O | IGNITION POWER SUPPLY |
| 3 | L | VEHICLE SPEED SIGNAL (2-PULSE) |
| 4 | Y | VEHICLE SPEED SIGNAL (8-PULSE) [Except for Mexico] |
| 4 | V | VEHICLE SPEED SIGNAL (8-PULSE) [For Mexico] |
| 5 | B | ILLUMINATION CONTROL SIGNAL |
| 6 | R | ROOF STATUS SIGNAL |
| 9 | BR | COMMUNICATION SIGNAL (METER->TRIPLE METER) |
| 10 | L | COMMUNICATION SIGNAL (TRIPLE METER->METER) |
| 12 | G | S-MODE SWITCH SIGNAL |
| 15 | L | ACC POWER SUPPLY |
| 16 | R | AIR BAG SIGNAL |
| 17 | B | GROUND |
| 18 | V | AMBIENT SENSOR SIGNAL |

| 19 | G | A/C AUTO AMP. CONNECTION RECOGNITION SIGNAL |
|---|---|---|
| 20 | GR | AMBIENT SENSOR GROUND |
| 21 | L | CAN-H |
| 22 | P | CAN-L |
| 23 | B | GROUND |
| 24 | Y | FUEL LEVEL SENSOR GROUND |

| Connector No. | M64 |
|---|---|
| Connector Name | CLIMATE CONTROLLED SEAT SWITCH (DRIVER SIDE) |
| Connector Type | TK10FW |

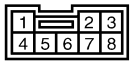
H.S.


| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | O | – |
| 2 | V | – |
| 3 | P | – |
| 4 | BR | – |
| 5 | GR | – |
| 6 | B | – |
| 7 | R | – |
| 8 | R | – |

JCLWA4510GB

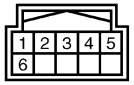
## ILLUMINATION

| | |
|---|---|
| Connector No. | M65 |
| Connector Name | CLIMATE CONTROLLED SEAT SWITCH (PASSENGER SIDE) |
| Connector Type | TK08FBR |



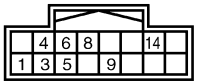

| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | SB | – |
| 2 | G | – |
| 3 | L | – |
| 4 | O | – |
| 5 | Y | – |
| 6 | B | – |
| 7 | R | – |
| 8 | R | – |

| | |
|---|---|
| Connector No. | M67 |
| Connector Name | A/C CONTROL |
| Connector Type | TH10FB-NH |



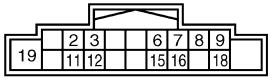

| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | G | IGNITION POWER SUPPLY |
| 2 | R | ILL+ |
| 3 | W | ILL- |
| 4 | P | TX (SW>AMP) |
| 5 | L | RX (AMP>SW) |
| 6 | B | GROUND |

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



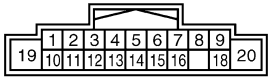

| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | B | GND |
| 3 | L | ACC |
| 4 | R | ILL |
| 5 | W | ILL CONT |
| 6 | LG | AV COMM (H) [Coupe models] |
| 6 | L | AV COMM (H) [Roadster models] |
| 8 | Y | AV COMM (L) [Coupe models] |
| 8 | P | AV COMM (L) [Roadster models] |
| 9 | BR | SW GND |
| 14 | SB | DISK EJECT SIGNAL |

| | |
|---|---|
| Connector No. | M80 |
| Connector Name | AUDIO UNIT |
| Connector Type | TH18FW-CS2 |



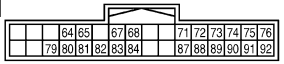

| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 2 | L | SOUND SIGNAL FRONT SPEAKER LH (+) |
| 3 | V | SOUND SIGNAL FRONT SPEAKER LH (–) |
| 6 | P | STRG SW A |
| 7 | L | ACC |
| 8 | W | ILL (–) |
| 9 | R | ILL (+) |
| 11 | V | SOUND SIGNAL FRONT SPEAKER RH (+) |
| 12 | LG | SOUND SIGNAL FRONT SPEAKER RH (–) |
| 15 | B | STRG SW GND |
| 16 | L | STRG SW B |
| 19 | Y | BATTERY |

| | |
|---|---|
| Connector No. | M81 |
| Connector Name | AUDIO UNIT |
| Connector Type | TH18FW-CS2 |



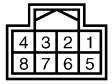

| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | V | BOSE AMP. ON SIGNAL |
| 2 | LG | SOUND SIGNAL FRONT LH (+) |
| 3 | V | SOUND SIGNAL FRONT LH (–) |
| 4 | L | SOUND SIGNAL REAR LH (+) |
| 5 | R | SOUND SIGNAL REAR LH (–) |
| 6 | W | STRG SW A [Except for Mexico] |
| 6 | P | STRG SW A [For Mexico] |
| 7 | L | ACC |
| 8 | W | ILL (–) |
| 9 | R | ILL (+) |
| 10 | SHIELD | SHIELD |
| 11 | L | SOUND SIGNAL FRONT RH (+) |
| 12 | P | SOUND SIGNAL FRONT RH (–) |
| 13 | R | SOUND SIGNAL REAR RH (+) |
| 14 | G | SOUND SIGNAL REAR RH (–) |
| 15 | B | STRG SW GND |
| 16 | GR | STRG SW B [Except for Mexico] |
| 16 | L | STRG SW B [For Mexico] |
| 18 | Y | VEHICLE SPEED SIGNAL (8-PULSE) |
| 19 | Y | BATTERY |
| 20 | SHIELD | SHIELD |

| | |
|---|---|
| Connector No. | M86 |
| Connector Name | AV CONTROL UNIT |
| Connector Type | TH32FW-NH |




| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 65 | O | PARKING BRAKE SIGNAL |
| 67 | L | COMPOSITE IMAGE GND |
| 68 | G | COMPOSITE IMAGE SIGNAL |
| 71 | SHIELD | MICROPHONE GND |
| 72 | R | MICROPHONE VCC |
| 73 | G | COMM (CONT->DISP) |
| 74 | P | CAN-L [Coupe models] |
| 74 | L | CAN-L [Roadster models] |
| 75 | LG | AV COMM (L) [Coupe models] |
| 75 | Y | AV COMM (L) [Roadster models] |
| 76 | LG | AV COMM (L) [Coupe models] |
| 76 | Y | AV COMM (L) [Roadster models] |
| 79 | R | ILL+ |
| 80 | G | IGNITION SIGNAL |
| 81 | O | REVERSE SIGNAL |
| 82 | Y | VEHICLE SPEED SIGNAL (8-PULSE) |
| 83 | B | SHIELD |
| 84 | Y | – |
| 87 | G | MICROPHONE SIGNAL |
| 89 | R | COMM (DISP->CONT) |
| 90 | L | CAN-H [Coupe models] |
| 90 | P | CAN-H [Roadster models] |
| 91 | Y | AV COMM (H) [Coupe models] |
| 91 | LG | AV COMM (H) [Roadster models] |
| 92 | Y | AV COMM (H) [Coupe models] |
| 92 | LG | AV COMM (H) [Roadster models] |

| | |
|---|---|
| Connector No. | M98 |
| Connector Name | WIRE TO WIRE |
| Connector Type | TH08FW-NH |

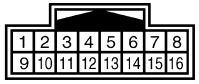



| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | B | – |
| 2 | R | – |
| 3 | GR | – |
| 4 | P | – |
| 5 | B | – |
| 6 | L | – |
| 7 | B | – |
| 8 | G | – |

JCLWA4511GB

## ILLUMINATION

| | |
|---|---|
| Connector No. | M106 |
| Connector Name | WIRE TO WIRE |
| Connector Type | TH16MW-NH |

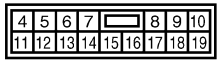



| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 4 | W | – |
| 5 | R | – |
| 6 | B | – |
| 7 | P | – |
| 8 | R | – |
| 11 | B | – |
| 12 | G | – |
| 13 | Y | – |
| 14 | SHIELD | – |
| 15 | R | – |
| 16 | G | – |

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

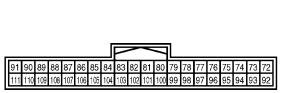

| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | W | BAT (F/L) |
| 2 | W | POWER WINDOW POWER SUPPLY (BAT) |
| 3 | Y | POWER WINDOW POWER SUPPLY (IGN) |

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




| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 4 | R | INTERIOR ROOM LAMP POWER SUPPLY |
| 5 | G | SUPER LOCK OUTPUT |
| 8 | V | ALL DOOR, FUEL LID LOCK OUTPUT |
| 9 | G | DRIVER DOOR, FUEL LID UNLOCK OUTPUT |
| 11 | BR | BAT (FUSE) |
| 13 | B | GND |
| 14 | R | PUSH-BUTTON IGNITION SW ILL POWER |
| 15 | Y | ACC IND |
| 17 | W | TURN SIGNAL RH (FRONT, SIDE) |
| 18 | O | TURN SIGNAL LH (FRONT, SIDE) |
| 19 | P | ROOM LAMP TIMER CONTROL |

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

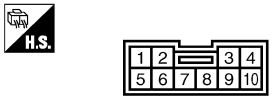



| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 72 | L | ROOM ANT 2– |
| 73 | P | ROOM ANT 2+ |
| 74 | SB | PASSENGER DOOR ANT– |
| 75 | BR | PASSENGER DOOR ANT+ |
| 76 | V | DRIVER DOOR ANT– |
| 77 | LG | DRIVER DOOR ANT+ |
| 78 | L | ROOM ANT 1– |
| 79 | R | ROOM ANT 1+ |
| 80 | GR | NATS ANT AMP. |
| 81 | W | NATS ANT AMP. |
| 82 | R | IGN RELAY (F/B) CONT |
| 83 | GR | KYLS ENT RECEIVER (FRONT) COMM |
| 87 | BR | COMBI SW INPUT 5 |
| 88 | V | COMBI SW INPUT 3 |
| 89 | BR | PUSH SW |
| 90 | P | CAN-L |
| 91 | L | CAN-H |
| 92 | LG | KEY SLOT ILL |
| 93 | V | ON IND |
| 95 | O | ACC RELAY CONT |
| 96 | Y | A/T SHIFT SELECTOR POWER SUPPLY |
| 97 | L | S/L CONDITION 1 |
| 98 | P | S/L CONDITION 2 |
| 99 | R | CLUTCH PEDAL POS SW [With M/T] |
| 99 | R | SHIFT P [With A/T] |
| 100 | GR | PASSENGER DOOR REQUEST SW |
| 101 | Y | DRIVER DOOR REQUEST SW |
| 102 | O | BLOWER FAN MOTOR RELAY CONT |
| 103 | LG | KYLS ENT RECEIVER (FRONT) PWR SUPPLY |
| 106 | W | S/L UNIT POWER SUPPLY |
| 107 | LG | COMBI SW INPUT 1 |
| 108 | R | COMBI SW INPUT 4 |
| 109 | Y | COMBI SW INPUT 2 |
| 110 | P | HAZARD SW |
| 111 | Y | S/L UNIT COMM |

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


| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 113 | O | OPTICAL SENSOR |
| 114 | R | CLUTCH INTERLOCK SW |
| 115 | O | SHOCK SENSOR |
| 116 | SB | STOP LAMP SW 1 |
| 118 | P | STOP LAMP SW 2 |
| 119 | SB | DR DOOR UNLOCK SENSOR |
| 121 | R | KEY SLOT SW |
| 123 | W | IGN F/B |
| 124 | LG | PASSENGER DOOR SW |
| 129 | O | TRUNK LID OPENER CANCEL SW |
| 130 | L | REAR DEFOGGER SW |
| 132 | V | P/W SW & SOFT TOP C/U COMM [Roadster models] |
| 132 | Y | POWER WINDOW SW COMM [Coupe models] |
| 133 | G | PUSH BUTTON IGNITION SW ILL POWER |
| 134 | GR | LOCK IND |
| 137 | P | RECEIVER/SENSOR GND |
| 138 | V | RECEIVER / SENSOR POWER SUPPLY |
| 139 | L | TIRE PRESS/KYLS ENT (REAR) RECEIV COMM |
| 140 | G | P/N POSITION SW [With M/T] |
| 140 | G | SHIFT N/P [With A/T] |
| 141 | Y | SECURITY INDICATOR |
| 142 | O | COMBI SW OUTPUT 5 |
| 143 | P | COMBI SW OUTPUT 1 |
| 144 | G | COMBI SW OUTPUT 2 |
| 145 | L | COMBI SW OUTPUT 3 |
| 146 | SB | COMBI SW OUTPUT 4 |
| 150 | GR | DRIVER DOOR SW |
| 151 | G | REAR WINDOW DEFOGGER RELAY CONT |

| | |
|---|---|
| Connector No. | M137 |
| Connector Name | A/T SHIFT SELECTOR |
| Connector Type | TK10FW |




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

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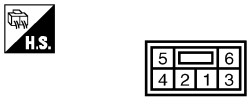
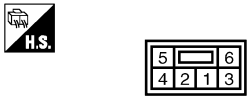
## ILLUMINATION

| | |
|---|---|
| Connector No. | M138 |
| Connector Name | HEATED SEAT SWITCH (DRIVER SIDE) |
| Connector Type | NS06FW-CS |




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

| | |
|---|---|
| Connector No. | M140 |
| Connector Name | HEATED SEAT SWITCH (PASSENGER SIDE) |
| Connector Type | NS06FBR-CS |

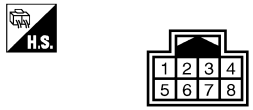



| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | G | – |
| 2 | O | – |
| 3 | GR | – |
| 4 | B | – |
| 5 | R | – |
| 6 | W | – |

| | |
|---|---|
| Connector No. | M144 |
| Connector Name | HAZARD SWITCH |
| Connector Type | TK04FW |


| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | GR | GND |
| 2 | P | BCM |
| 3 | R | ILL+ |
| 4 | B | ILL- |

| | |
|---|---|
| Connector No. | M252 |
| Connector Name | WIRE TO WIRE |
| Connector Type | TH08MW-NH |




| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | BG | – [Coupe models] |
| 1 | O | – [Roadster models] |
| 2 | SB | – |
| 3 | B | – |
| 4 | G | – |
| 5 | B | – |
| 6 | L | – |
| 7 | G | – |
| 8 | G | – |

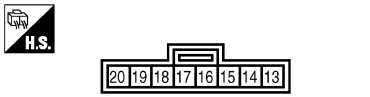
| | |
|---|---|
| Connector No. | M255 |
| Connector Name | S-MODE SWITCH |
| Connector Type | TK04FGY |


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

| | |
|---|---|
| Connector No. | M256 |
| Connector Name | HAZARD SWITCH |
| Connector Type | TK04FW |

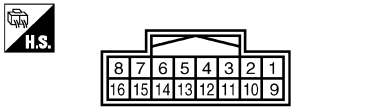

| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 1 | B | GND |
| 2 | G | BCM |
| 3 | SB | ILL+ |
| 4 | BG | ILL- [Coupe models] |
| 4 | O | ILL- [Roadster models] |

| | |
|---|---|
| Connector No. | M303 |
| Connector Name | COMBINATION SWITCH (SPIRAL CABLE) |
| Connector Type | TK08FGY |




| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 13 | – | – |
| 14 | – | – |
| 15 | – | – |
| 16 | – | – |
| 17 | – | – |
| 18 | – | – |
| 19 | – | – |
| 20 | – | – |

| | |
|---|---|
| Connector No. | R1 |
| Connector Name | WIRE TO WIRE |
| Connector Type | TH16FW-NH |




| Terminal No. | Color of Wire | Signal Name [Specification] |
|---|---|---|
| 4 | W | – |
| 5 | R | – |
| 6 | B | – |
| 7 | P | – |
| 8 | R | – |
| 11 | B | – |
| 12 | Y | – |
| 13 | G | – |
| 14 | SHIELD | – |
| 15 | R | – |
| 16 | G | – |

JCLWA4513GB

ILLUMINATION

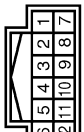
| | |
|---|---|
| Connector No. | R4 |
| Connector Name | MAP LAMP |
| Connector Type | TK06FGY |

H.S.


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

| | |
|---|---|
| Connector No. | R11 |
| Connector Name | WIRE TO WIRE |
| Connector Type | TH12FW-NH |

H.S.




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

JCLWA4514GB

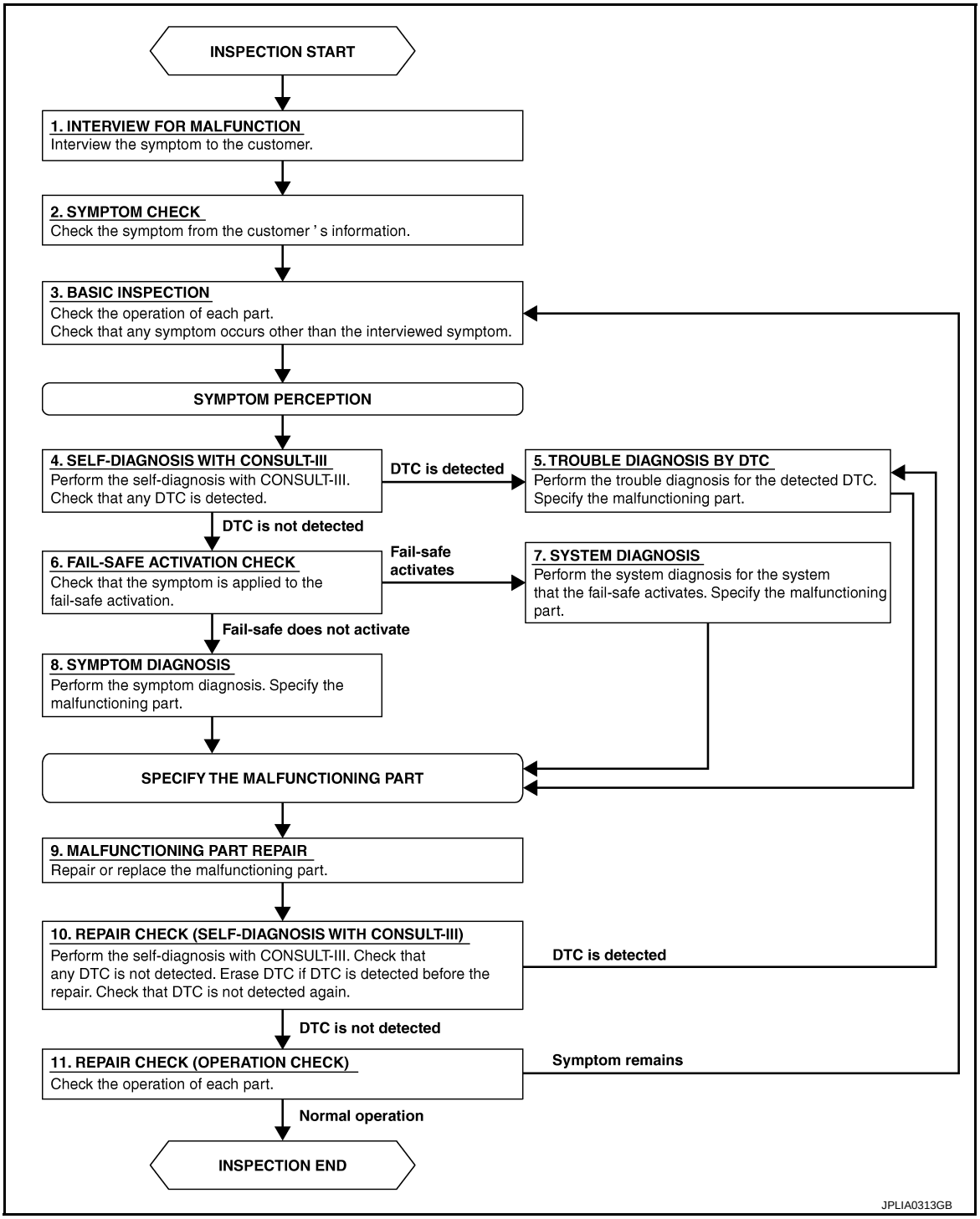
# BASIC INSPECTION

## DIAGNOSIS AND REPAIR WORKFLOW

### Work Flow

INFOID:0000000006349929

OVERALL SEQUENCE




DETAILED FLOW

### 1. INTERVIEW FOR MALFUNCTION

Interview the symptom to the customer.

>> GO TO 2.

## 2. SYMPTOM CHECK

Check the symptom from the customer's information.

>> GO TO 3.

## 3. BASIC INSPECTION

Check the operation of each part. Check that any symptom occurs other than the interviewed symptom.

>> GO TO 4.

## 4. SELF-DIAGNOSIS WITH CONSULT-III

Perform the self-diagnosis with CONSULT-III. Check that any DTC is detected.

Is any DTC detected?

YES >> GO TO 5.
NO >> GO TO 6.

## 5. TROUBLE DIAGNOSIS BY DTC

Perform the trouble diagnosis for the detected DTC. Specify the malfunctioning part.

>> GO TO 9.

## 6. FAIL-SAFE ACTIVATION CHECK

Check that the symptom is applied to the fail-safe activation.

Does the fail-safe activate?

YES >> GO TO 7.
NO >> GO TO 8.

## 7. SYSTEM DIAGNOSIS

Perform the system diagnosis for the system that the fail-safe activates. Specify the malfunctioning part.

>> GO TO 9.

## 8. SYMPTOM DIAGNOSIS

Perform the symptom diagnosis. Specify the malfunctioning part.

>> GO TO 9.

## 9. MALFUNCTION PART REPAIR

Repair or replace the malfunctioning part.

>> GO TO 10.

## 10. REPAIR CHECK (SELF-DIAGNOSIS WITH CONSULT-III)

Perform the self-diagnosis with CONSULT-III. Check that any DTC is not detected. Erase DTC if DTC is detected before the repair. Check that DTC is not detected again.

Is any DTC detected?

YES >> GO TO 5.
NO >> GO TO 11.

## 11. REPAIR CHECK (OPERATION CHECK)

Check the operation of each part.

Does it operate normally?

YES >> INSPECTION END
NO >> GO TO 3.

# DTC/CIRCUIT DIAGNOSIS

## INTERIOR ROOM LAMP POWER SUPPLY CIRCUIT

### Description

INFOID:0000000006349930

Provides the interior room lamp power supply. Also cuts the power supply when the interior room lamp battery saver activating.

### Component Function Check

INFOID:0000000006349931

#### 1. CHECK INTERIOR ROOM LAMP POWER SUPPLY FUNCTION

CONSULT-III ACTIVE TEST
1. Turn the ignition switch ON.
2. Turn each interior room lamp ON.
- Map lamp
- Vanity mirror lamp
- Trunk room lamp
- Cargo area courtesy light
3. Select "BATTERY SAVER" of BCM (BATTERY SAVER) active test item.
4. With operating the test items, check that each interior room lamp turns ON/OFF.

**Off : Interior room lamp OFF**
**On : Interior room lamp ON**

Does the interior room lamp turn ON/OFF?

YES >> Interior room lamp power supply circuit is normal.
NO >> Refer to INL-109, "Diagnosis Procedure".

### Diagnosis Procedure

INFOID:0000000006349932

#### 1. CHECK INTERIOR ROOM LAMP POWER SUPPLY OUTPUT

CONSULT-III ACTIVE TEST
1. Turn the ignition switch ON.
2. Select “BATTERY SAVER” of BCM (BATTERY SAVER) active test item.
3. With operating the test item, check voltage between BCM harness connector and the ground.

| Terminals | | | Test item | Voltage (Approx.) |
|---|---|---|---|---|
| (+) | | (–) | | |
| BCM | | Ground | BATTERY SAVER | |
| Connector | Terminal | | | |
| M119 | 4 | | Off | 0 V |
| | | | On | Battery voltage |

Is the measurement value normal?

YES >> GO TO 2.
NO >> Replace BCM.

#### 2. CHECK INTERIOR ROOM LAMP POWER SUPPLY OPEN CIRCUIT

1. Turn the ignition switch OFF.
2. Disconnect the following connectors.
- Map lamp
- Vanity mirror lamp (LH)
- Vanity mirror lamp (RH)
- Trunk room lamp
- Cargo area courtesy light
3. Check continuity between BCM harness connector and each interior room lamp harness connector.

| BCM | | Each interior room lamp | | | Continuity |
|---|---|---|---|---|---|
| Connector | Terminal | Connector | | Terminal | |
| M119 | 4 | Map lamp | R4 | 1 | Existed |
| | | Vanity mirror lamp (LH) | R2 | 2 | |
| | | Vanity mirror lamp (RH) | R3 | 2 | |
| | | Trunk room lamp | B55 | 1 | |
| | | Cargo area coutesy light | B86 | 1 | |

Does continuity exist?

YES >> GO TO 3.
NO >> Repair the harnesses or connectors.

## 3. CHECK INTERIOR ROOM LAMP POWER SUPPLY SHORT CIRCUIT

Check continuity between BCM harness connector and the ground.

| BCM | | Ground | Continuity |
|---|---|---|---|
| Connector | Terminal | | |
| M119 | 4 | | Not existed |

Does continuity exist?

YES >> Repair the harnesses or connectors.
NO >> Check that each interior room lamp has no internal short circuit.

# INTERIOR ROOM LAMP CONTROL CIRCUIT

## Description

INFOID:0000000006349933

Controls each interior room lamp (ground side) by PWM signal.
**NOTE:**
PWM signal control period is approximately 250 Hz (in the gradual brightening/dimming).

## Component Function Check

INFOID:0000000006349934

**CAUTION:**
**Before performing the diagnosis, check that the following is normal.**
- **Interior room lamp power supply**
- **Map lamp bulb**

### 1. CHECK INTERIOR ROOM LAMP CONTROL FUNCTION

CONSULT-III ACTIVE TEST
1. Turn the ignition switch ON.
2. Switch the map lamp switch to DOOR.
3. Select “INT LAMP” of BCM (INT LAMP) active test item.
4. With operating the test items, check that each interior room lamp turns ON/OFF (gradual brightening/dimming).

| | |
|---|---|
| **On** | **: Interior room lamp gradual brightening** |
| **Off** | **: Interior room lamp gradual dimming** |

Does the interior room lamp turns ON/OFF (gradual brightening/dimming)?

YES >> Interior room lamp control circuit is normal.
NO >> Refer to INL-111, "Diagnosis Procedure".

## Diagnosis Procedure

INFOID:0000000006349935

### 1. CHECK INTERIOR ROOM LAMP CONTROL OUTPUT

CONSULT-III ACTIVE TEST
1. Turn the ignition switch OFF.
2. Remove all the bulbs of map lamp.
3. Turn the ignition switch ON.
4. Select “INT LAMP” of BCM (INT LAMP) active test item.
5. With operating the test item, check continuity between BCM harness connector and the ground.

| BCM | | Ground | Test item | Continuity |
|---|---|---|---|---|
| Connector | Terminal | | INT LAMP | |
| M119 | 19 | | On | Existed |
| | | | Off | Not existed |

Is the measurement value normal?

YES >> GO TO 2.
Fixed ON>>GO TO 3.
Fixed OFF>>Replace BCM.

### 2. CHECK INTERIOR ROOM LAMP CONTROL OPEN CIRCUIT

1. Turn the ignition switch OFF.
2. Disconnect BCM connector and map lamp connector.
3. Check continuity between BCM harness connector and map lamp harness connector.

| BCM | | Map lamp | | Continuity |
|---|---|---|---|---|
| Connector | Terminal | Connector | Terminal | |
| M119 | 19 | R4 | 2 | Existed |

Does continuity exist?

YES >> Replace the map lamp.
NO >> Repair the harnesses or connectors.

## 3. CHECK INTERIOR ROOM LAMP CONTROL SHORT CIRCUIT

1. Turn the ignition switch OFF.
2. Disconnect BCM connector and map lamp connector.
3. Check continuity between BCM harness connector and the ground.

| BCM | | Ground | Continuity |
|---|---|---|---|
| Connector | Terminal | | |
| M119 | 19 | | Not existed |

Does continuity exist?

YES >> Repair the harnesses or connectors.
NO >> Replace BCM.

# TRUNK ROOM LAMP CIRCUIT

## Description

INFOID:0000000006349936

Controls the trunk room lamp (ground side) to turn the luggage room lamp ON and OFF.

## Component Function Check

INFOID:0000000006349937

**CAUTION:**
**Before performing the diagnosis, check that the following is normal.**
- **Interior room lamp power supply**
- **Trunk room lamp bulb**

### 1.CHECK TRUNK ROOM LAMP OPERATION

CONSULT-III ACTIVE TEST
1. Turn the ignition switch ON.
2. Select “LUGGAGE LAMP TEST” of BCM (INT LAMP) active test item.
3. With operating the test items, check that trunk room lamp turns ON/OFF.

**On : Trunk room lamp ON**
**Off : Trunk room lamp OFF**

Does the Trunk room lamp turn ON/OFF?

YES >> Trunk room lamp circuit is normal.
NO >> Refer to INL-113, "Diagnosis Procedure".

## Diagnosis Procedure

INFOID:0000000006349938

### 1.CHECK TRUNK ROOM LAMP OUTPUT

CONSULT-III ACTIVE TEST
1. Turn the ignition switch OFF.
2. Remove trunk room lamp bulb.
3. Turn the ignition switch ON.
4. Select “LUGGAGE LAMP TEST” of BCM (INT LAMP) active test item.
5. With operating the test item, check continuity between BCM harness connector and the ground.

| BCM | | Ground | Test item | Continuity |
|---|---|---|---|---|
| Connector | Terminal | | LUGGAGE LAMP TEST | |
| M120 | 30 | | On | Existed |
| | | | Off | Not existed |

Is the measurement value normal?

YES >> GO TO 2.
Fixed ON>>GO TO 3.
Fixed OFF>>Replace BCM.

### 2.CHECK TRUNK ROOM LAMP OPEN CIRCUIT

1. Turn the ignition switch OFF.
2. Disconnect BCM connector and trunk room lamp connector.
3. Check continuity between BCM harness connector and trunk room lamp harness connector.

| BCM | | Trunk room lamp | | Continuity |
|---|---|---|---|---|
| Connector | Terminal | Connector | Terminal | |
| M120 | 30 | B55 | 2 | Existed |

Does continuity exist?

YES >> Replace the trunk room lamp.

NO >> Repair the harnesses or connectors.

## 3. CHECK TRUNK ROOM LAMP SHORT CIRCUIT

1. Turn the ignition switch OFF.
2. Disconnect BCM connector and trunk room lamp connector.
3. Check continuity between BCM harness connector and the ground.

| BCM | | Ground | Continuity |
|---|---|---|---|
| Connector | Terminal | | |
| M120 | 30 | | Not existed |

Does continuity exist?

YES >> Repair the harnesses or connectors.
NO >> Replace BCM.

# PUSH-BUTTON IGNITION SWITCH ILLUMINATION CIRCUIT

## Description

INFOID:0000000006349939

Provides the power supply and the ground to control the push-button ignition switch illumination.

## Component Function Check

INFOID:0000000006349940

### 1. CHECK PUSH-BUTTON IGNITION SWITCH ILLUMINATION OPERATION

CONSULT-III ACTIVE TEST
1. Turn the ignition switch ON.
2. Select “ENGINE SW ILLUMI” of BCM (INTELLIGENT KEY) active test item.
3. With operating the test items, check that the push-button ignition switch illumination turns ON/OFF.

**On : Push-button ignition switch illumination ON**
**Off : Push-button ignition switch illumination OFF**

Does the push-button ignition switch illumination turn ON/OFF?

YES >> Push-button ignition switch illumination circuit is normal.
NO >> Refer to INL-115, "Diagnosis Procedure".

## Diagnosis Procedure

INFOID:0000000006349941

### 1. CHECK ILLUMINATION CONTROL SWITCHING OPERATION

1. Turn the ignition switch ON.
2. With operating the lighting switch, check that the push-button ignition switch illumination turns ON/OFF.

| Condition | Push-button ignition switch illumination |
|---|---|
| • Ignition switch ON<br>• Lighting switch 1ST | ON |
| • Ignition switch OFF<br>• Lighting switch OFF<br>• Driver door LOCK | OFF |

Does the push-button ignition switch illumination turn ON/OFF?

YES >> GO TO 2.
NO >> GO TO 3.

### 2. CHECK PUSH-BUTTON IGNITION SWITCH ILLUMINATION GROUND CIRCUIT

1. Turn the ignition switch OFF.
2. Disconnect BCM connector and the push-button ignition switch connector.
3. Check continuity between BCM harness connector and the push-button ignition switch harness connector.

| BCM | | Push-button ignition switch | | Continuity |
|---|---|---|---|---|
| Connector | Terminal | Connector | Terminal | |
| M119 | 14 | M50 | 2 | Existed |

Does the continuity exist?

YES >> Replace BCM. Refer to BCS-92, "Exploded View"
NO >> Repair the harness or the connector.

### 3. CHECK PUSH-BUTTON IGNITION SWITCH ILLUMINATION POWER SUPPLY OUTPUT

CONSULT-III ACTIVE TEST
1. Turn the ignition switch ON.
2. Select “ENGINE SW ILLUMI” of BCM (INTELLIGENT KEY) active test item.
3. With operating the test item, check voltage between BCM harness connector and the ground.

| Terminals | | | Test item | Voltage (Approx.) |
|---|---|---|---|---|
| (+) | | (–) | | |
| BCM | | Ground | ENGINE SW ILLUMI | |
| Connector | Terminal | | | |
| M123 | 133 | | ON | 5 V |
| | | | OFF | 0 V |

Is the measurement value normal?

YES >> GO TO 4.
NO >> GO TO 5.

## 4. CHECK PUSH-BUTTON IGNITION SWITCH ILLUMINATION POWER SUPPLY OPEN CIRCUIT

1. Turn the ignition switch OFF.
2. Disconnect BCM connector and the push-button ignition switch connector.
3. Check continuity between BCM harness connector and the push-button ignition switch harness connector.

| BCM | | Push-button ignition switch | | Continuity |
|---|---|---|---|---|
| Connector | Terminal | Connector | Terminal | |
| M123 | 133 | M50 | 3 | Existed |

Does the continuity exist?

YES >> Replace the push-button ignition switch.
NO >> Repair the harness or the connector.

## 5. CHECK PUSH-BUTTON IGNITION SWITCH ILLUMINATION POWER SUPPLY SHORT CIRCUIT

1. Turn the ignition switch OFF.
2. Disconnect BCM connector and the push-button ignition switch connector.
3. Check continuity between BCM harness connector and the ground.

| BCM | | Ground | Continuity |
|---|---|---|---|
| Connector | Terminal | | |
| M123 | 133 | | Not existed |

Does the continuity exist?

YES >> Repair the harness or the connector.
NO >> Replace BCM. Refer to BCS-92, "Exploded View"

# SYMPTOM DIAGNOSIS

## INTERIOR LIGHTING SYSTEM SYMPTOMS

### Symptom Table

INFOID:0000000006349942

**CAUTION:**
**Perform the self-diagnosis with CONSULT-III before the symptom diagnosis. Perform the trouble diagnosis if any DTC is detected.**

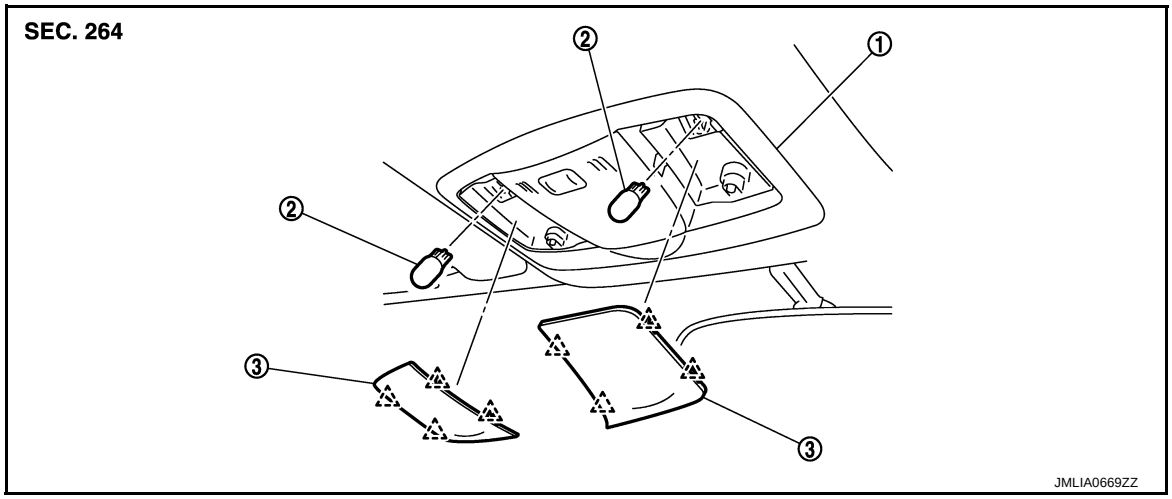
| Symptom | Possible cause | Inspection item |
|---|---|---|
| All the following lamps do not turn ON.<br>• Map lamp<br>• Cargo area courtesy light<br>• Trunk room lamp<br>• Vanity mirror lamp | • Harness between BCM and each interior room lamp<br>• BCM | Interior room lamp power supply circuit<br>Refer to INL-109. |
| • Interior room lamp does not turn ON even though the door is open.<br>(It turns ON when turning the interior room lamp ON.)<br>• Interior room lamp does not turn OFF even though the door is closed. | • Harness between BCM and each door switch<br>• Harness between BCM and each interior room lamp<br>• BCM | Door switch circuit<br>Refer to DLK-284. |
| | | Interior room lamp control circuit<br>Refer to INL-111. |
| Interior room lamp timer does not activate.<br>(It turns ON/ OFF when the door opens/closes.) | — | Check the interior room lamp setting.<br>Refer to INL-70. |
| • Trunk room lamp does not turn ON.<br>(The bulb is normal.)<br>• Trunk room lamp does not turn OFF. | • Harness between BCM and trunk room lamp switch<br>• Harness between BCM and trunk room lamp<br>• BCM | Trunk room lamp switch circuit<br>Refer to DLK-297. |
| | | Trunk room lamp circuit<br>Refer to INL-113. |
| Push-button ignition switch illumination does not illuminate. | • Harness between BCM and push-button ignition switch<br>• BCM | Push-button ignition switch illumination circuit<br>Refer to INL-115. |
| Interior room lamp battery saver does not activate. | — | Check the interior room lamp battery saver setting.<br>Refer to INL-71. |

# REMOVAL AND INSTALLATION

## MAP LAMP

### Exploded View

INFOID:0000000006349943




1. Map lamp assembly
2. Bulb
3. Lens

: Pawl

### Removal and Installation

INFOID:0000000006349944

Refer to INT-28, "Exploded View" for the map lamp assembly installation/removal.

### Replacement

INFOID:0000000006349945

**CAUTION:**
- **Disconnect the battery negative terminal or remove the fuse.**
- **Never touch the glass of bulb directly by hand. Keep grease and other oily matters away from it.**
- **Never touch bulb by hand while it is lit or right after being turned off.**
- **Never leave bulb out of lamp reflector for a long time because dust, moisture smoke, etc. may affect the performance of lamp. When replacing bulb, be sure to replace it with new one.**

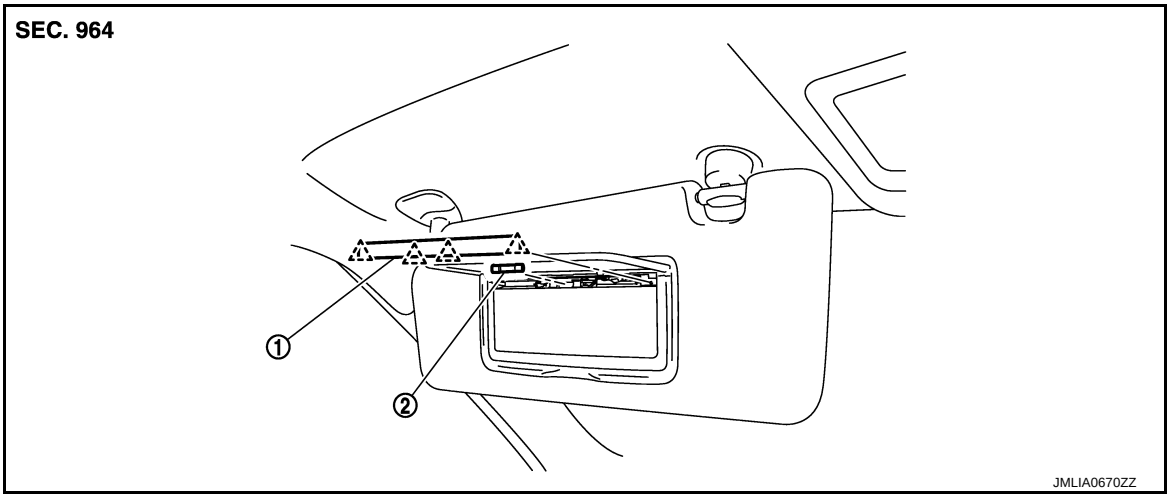
#### MAP LAMP BULB

1. Insert any appropriate tool into the gap between the lens. Remove the lens.
2. Remove the bulb.

# VANITY MIRROR LAMP

## Exploded View

INFOID:0000000006349946




1. Lens
2. Bulb

: Pawl

## Replacement

INFOID:0000000006349947

**CAUTION:**

- **Disconnect the battery negative terminal or remove the fuse.**
- **Never touch the glass of bulb directly by hand. Keep grease and other oily matters away from it.**
- **Never touch bulb by hand while it is lit or right after being turned off.**
- **Never leave bulb out of lamp reflector for a long time because dust, moisture smoke, etc. may affect the performance of lamp. When replacing bulb, be sure to replace it with new one.**

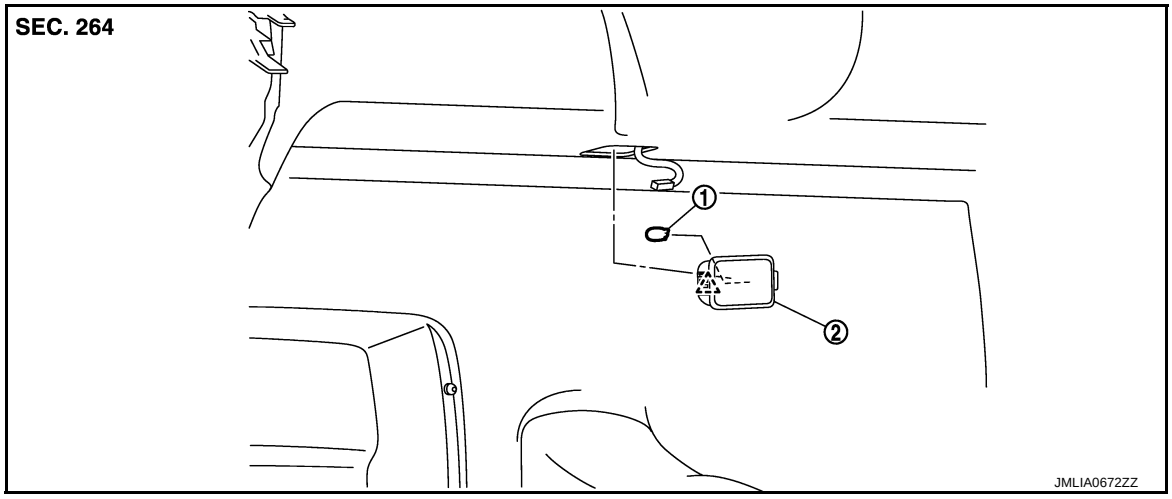
### VANITY MIRROR LAMP BULB

1. Insert any appropriate tool into the gap between the lens. Remove the lens.
2. Remove the bulb.

# CARGO AREA COURTESY LIGHT

## Exploded View

INFOID:0000000006349948




1. Bulb
2. Cargo area courtesy light

: Pawl

## Removal and Installation

INFOID:0000000006349949

**CAUTION:**
**Disconnect the battery negative terminal or remove the fuse.**

### REMOVAL

1. Insert any appropriate tool into the gap between cargo area courtesy light and rear parcel shelf assembly. Remove cargo area courtesy light.
2. Disconnect the connector.

### INSTALLATION

Install in the reverse order of removal.

## Replacement

INFOID:0000000006349950

**CAUTION:**
- **Disconnect the battery negative terminal or remove the fuse.**
- **Never touch the glass of bulb directly by hand. Keep grease and other oily matters away from it.**
- **Never touch bulb by hand while it is lit or right after being turned off.**
- **Never leave bulb out of lamp reflector for a long time because dust, moisture smoke, etc. may affect the performance of lamp. When replacing bulb, be sure to replace it with new one.**

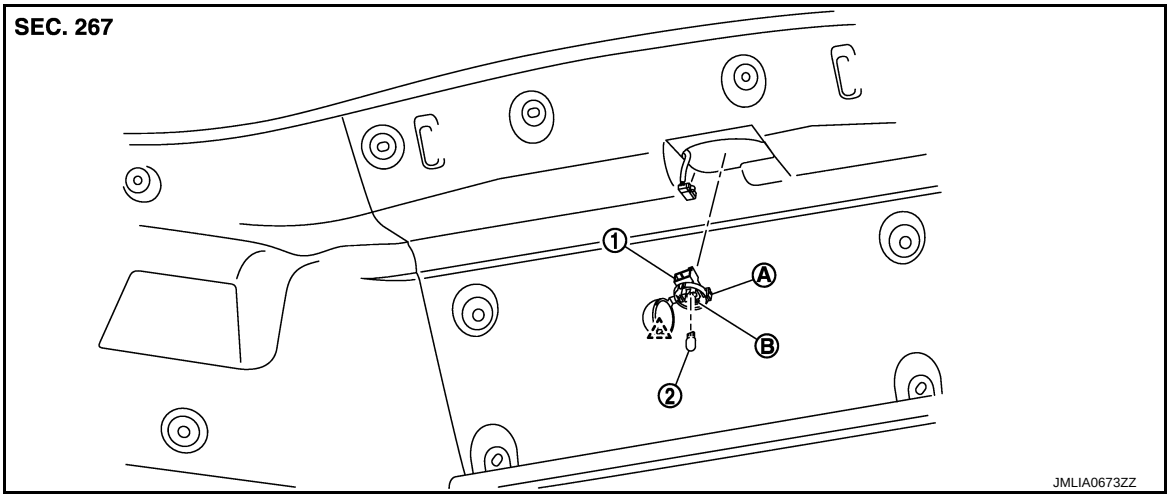
### CARGO AREA COURTESY LIGHT BULB

1. Remove cargo area courtesy light. Refer to INL-120, "Removal and Installation".
2. Remove the bulb.

# TRUNK ROOM LAMP

## Exploded View

INFOID:0000000006349951




1. Trunk room lamp
2. Bulb

A : Lens fixing pawl

B : Trunk room lamp fixing pawl

: Pawl

## Removal and Installation

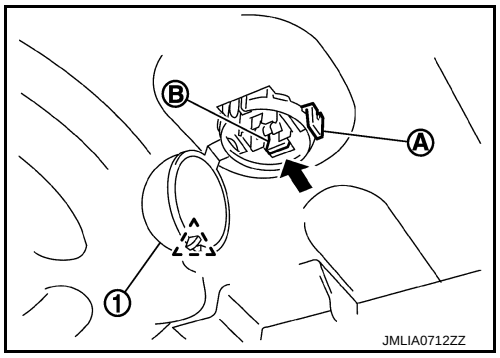
INFOID:0000000006349952

**CAUTION:**

**Disconnect the battery negative terminal or remove the fuse.**

### REMOVAL

1. Disengage lens (1) fixing pawl (A) and open the lens.
2. Remove the bulb.
3. Press trunk room lamp fixing pawl (B) toward the direction of the arrow and pull trunk room lamp down to remove it from the panel.
4. Disconnect the connector and remove trunk room lamp.




: Pawl

### INSTALLATION

Install in the reverse order of removal.

## Replacement

INFOID:0000000006349953

**CAUTION:**

- **Disconnect the battery negative terminal or remove the fuse.**
- **Never touch the glass of bulb directly by hand. Keep grease and other oily matters away from it.**
- **Never touch bulb by hand while it is lit or right after being turned off.**
- **Never leave bulb out of lamp reflector for a long time because dust, moisture smoke, etc. may affect the performance of lamp. When replacing bulb, be sure to replace it with new one.**

### TRUNK ROOM LAMP BULB

1. Disengage trunk room lamp lens fixing pawl with a remover tool and open the lens.
2. Remove the bulb.

# SERVICE DATA AND SPECIFICATIONS (SDS)

## SERVICE DATA AND SPECIFICATIONS (SDS)

### Bulb Specifications

INFOID:0000000006349954

| Item | Type | Wattage (W) |
|---|---|---|
| Push-button ignition switch illumination | LED | — |
| Map lamp | Wedge | 8 |
| Vanity mirror lamp | — | 2 |
| Trunk room lamp | Wedge | 5 |
| Cargo area courtesy light | Wedge | 5 |