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#### **PRECAUTIONS**

< PRECAUTION > [COUPE]

# **PRECAUTION**

# PRECAUTIONS FOR USA AND CANADA

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

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

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 USA AND CANADA: Precautions For Xenon Headlamp Service

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INFOID:0000000010837491

#### **WARNING:**

Comply with the following warnings to prevent any serious accident.

- Disconnect the battery cable (negative terminal) or the power supply fuse before installing, removing, or touching the xenon headlamp (bulb included). The xenon headlamp contains high-voltage generated parts.
- · Never work with wet hands.
- Check the xenon headlamp ON-OFF status after assembling it to the vehicle. Never turn the xenon headlamp ON in other conditions. Connect the power supply to the vehicle-side connector. (Turning it ON outside the lamp case may cause fire or visual impairments.)
- Never touch the bulb glass immediately after turning it OFF. It is extremely hot.

#### **CAUTION:**

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

• Install the xenon bulb securely. (Insufficient bulb socket installation may melt the bulb, the connector, the housing, etc. by high-voltage leakage or corona discharge.)

#### **PRECAUTIONS**

< PRECAUTION > [COUPE]

- Never perform HID circuit inspection with a tester.
- Never touch the xenon bulb glass with hands. Never put oil and grease on it.
- Dispose of the used xenon bulb after packing it in thick vinyl without breaking it.
- Never wipe out dirt and contamination with organic solvent (thinner, gasoline, etc.).

### FOR USA AND CANADA: Precautions for Removing Battery Terminal

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

#### NOTE:

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

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

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



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

#### FOR MEXICO

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

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: Precaution for Battery Service

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.

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< PRECAUTION > [COUPE]

## FOR MEXICO: Precautions For Xenon Headlamp Service

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#### **WARNING:**

Comply with the following warnings to prevent any serious accident.

- Disconnect the battery cable (negative terminal) or the power supply fuse before installing, removing, or touching the xenon headlamp (bulb included). The xenon headlamp contains high-voltage generated parts.
- Never work with wet hands.
- Check the xenon headlamp ON-OFF status after assembling it to the vehicle. Never turn the xenon headlamp ON in other conditions. Connect the power supply to the vehicle-side connector. (Turning it ON outside the lamp case may cause fire or visual impairments.)
- Never touch the bulb glass immediately after turning it OFF. It is extremely hot.

#### **CAUTION:**

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

- Install the xenon bulb securely. (Insufficient bulb socket installation may melt the bulb, the connector, the housing, etc. by high-voltage leakage or corona discharge.)
- Never perform HID circuit inspection with a tester.
- · Never touch the xenon bulb glass with hands. Never put oil and grease on it.
- Dispose of the used xenon bulb after packing it in thick vinyl without breaking it.
- Never wipe out dirt and contamination with organic solvent (thinner, gasoline, etc.).

### FOR MEXICO: Precautions for Removing Battery Terminal

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

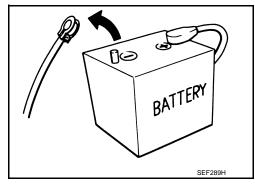
#### NOTE:

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

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



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



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

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

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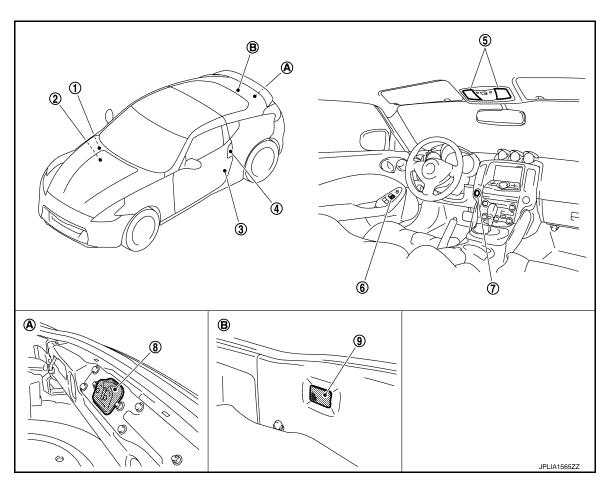
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# SYSTEM DESCRIPTION

# **COMPONENT PARTS** INTERIOR ROOM LAMP CONTROL SYSTEM

# INTERIOR ROOM LAMP CONTROL SYSTEM: Component Parts Location

INFOID:0000000010837494



- Remote keyless entry receiver Refer to DLK-21, "Remote Keyless Entry Receiver".
- 4. Key cylinder switch
  - · Request switch
- Push-button ignition switch (Push-button ignition switch illumination)
- A. Back door lock assembly
- 2. BCM Refer to BCS-10, "Component Parts Location".
- Map lamp
- Back door switch

- B. Luggage room

- 3. Door switch
- 6. Door lock and unlock switch
- 9. Luggage room lamp

# INTERIOR ROOM LAMP CONTROL SYSTEM: Component Description INFOID:000000010837495

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

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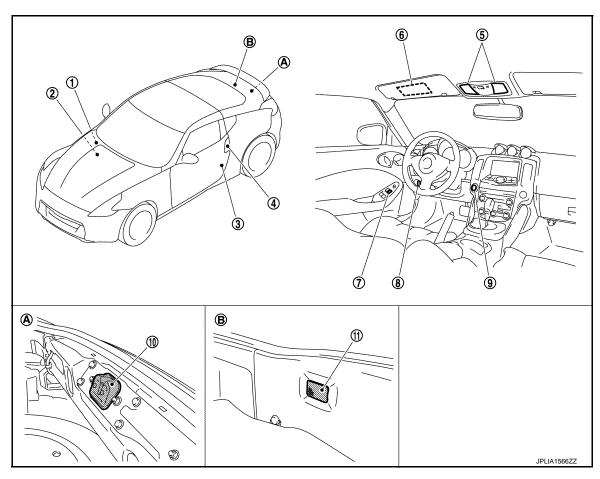
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| Part  | Description   |  |
|---|---|--|
| <ul><li>Door lock and unlock switch</li><li>Key cylinder switch</li></ul> | Transmits a switch signal by power window switch serial link. |  |
| <ul><li>Request switch</li><li>Door switch</li></ul>      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

### INTERIOR ROOM LAMP BATTERY SAVER SYSTEM

# INTERIOR ROOM LAMP BATTERY SAVER SYSTEM: Component Parts Location

INFOID:0000000010837496



- Remote keyless entry receiver
  Refer to <u>DLK-16</u>, "<u>POWER DOOR</u>
  <u>LOCK SYSTEM</u>:
  Component Parts Location".
- 4. Key cylinder switch• Request switch
- 7. Door lock and unlock switch
- 10. Back door switch
- A. Back door lock assembly
- 2. BCM
  Refer to BCS-10, "Component Parts
  Location".
- 5. Map lamp
- 8. Key slot
- 11. Luggage room lamp
- B. Luggage room

- Door switch
- 6. Vanity mirror lamp
- 9. Push-button ignition switch

# INTERIOR ROOM LAMP BATTERY SAVER SYSTEM : Component Description

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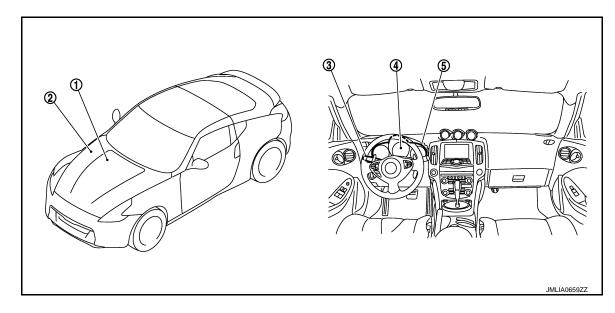
| Part                          | Description  |  |
|-------------------------------|--|--|
| BCM                           | Operates the interior room lamp battery saver depending on the vehicle condition to cut the interior room lamp power supply. |  |
| Remote keyless entry receiver | Transmits the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

| Part  | Description   |
|---|---|
| <ul><li>Door lock and unlock switch</li><li>Key cylinder switch</li></ul> | Transmits a switch signal by power window switch serial link. |
| <ul><li>Request switch</li><li>Door switch</li></ul>                      | 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:0000000010837498



- Refer to BCS-10, "Component Parts Location".
- 4. Combination meter
- 2. IPDM E/R Refer to PCS-5, "Component Parts Location".
- 5. Illumination control switch

3. Combination switch

INFOID:0000000010837499

# ILLUMINATION CONTROL SYSTEM: Component Description

| Part  | Description   |
|---|---|
| ВСМ   | <ul> <li>Detects each switch condition by the combination switch reading function.</li> <li>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).</li> </ul> |
| IPDM E/R  | Controls the integrated relay according to the request from BCM (with CAN communication).   |
| Combination meter                                     | <ul> <li>Enters in nighttime mode according to the request from BCM (with CAN communication).</li> <li>Controls the each illumination in the nighttime mode.</li> <li>Refer to MWI-24, "METER ILLUMINATION CONTROL: System Description".</li> </ul>   |
| Combination switch<br>(Lighting & turn signal switch) | Refer to BCS-11, "System Description".  |

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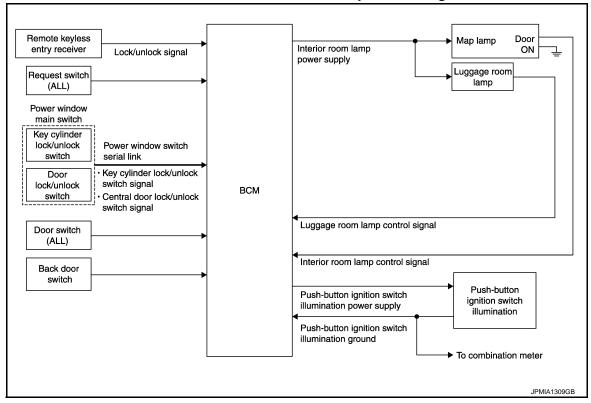
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#### SYSTEM

### INTERIOR ROOM LAMP CONTROL SYSTEM

# INTERIOR ROOM LAMP CONTROL SYSTEM: System Diagram

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# INTERIOR ROOM LAMP CONTROL SYSTEM: System Description

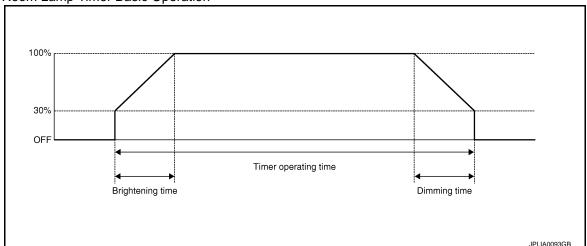
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#### **OUTLINE**

- 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.

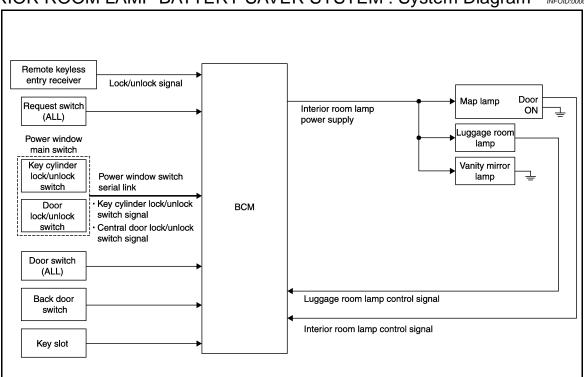
#### **SYSTEM**

#### [COUPE] < SYSTEM DESCRIPTION > Ignition switch status - Door switch signal (ALL) Α - 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. Refer to INL-16, "INT LAMP: CONSULT 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. D - Ignition switch is turned ON → OFF. - Any door unlock signal is detected when all doors close with ignition switch OFF. Е 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 Н 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 K - Engine start permission is entered. Intelligent Key inserted into the key slot. Driver door is LOCK → UNLOCK. INL - 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 Ν - The push-button ignition switch illumination ON conditions do not change (15 seconds after the ignition switch OFF) or the driver door is UNLOCK $\rightarrow$ LOCK. INTERIOR ROOM LAMP BATTERY SAVER SYSTEM

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# INTERIOR ROOM LAMP BATTERY SAVER SYSTEM : System Diagram



### INTERIOR ROOM LAMP BATTERY SAVER SYSTEM: System Description

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#### **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. Refer to <a href="INL-18">INL-18</a>, "BATTERY SAVER) (Coupe Models)".

#### ILLUMINATION CONTROL SYSTEM

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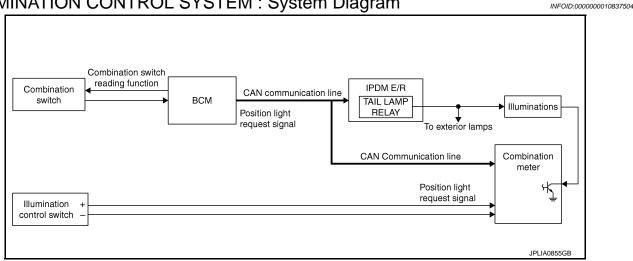
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# ILLUMINATION CONTROL SYSTEM: System Diagram



# ILLUMINATION CONTROL SYSTEM: System Description

INFOID:0000000010837505

#### **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).

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Revision: 2014 September

# **DIAGNOSIS SYSTEM (BCM)**

**COMMON ITEM** 

COMMON ITEM: CONSULT Function (BCM - COMMON ITEM)

INFOID:0000000011353891

#### APPLICATION ITEM

CONSULT 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.   |  |
| 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            | <ul> <li>Read and save the vehicle specification.</li> <li>Write the vehicle specification when replacing BCM.</li> </ul> |  |

#### 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 |              |             |
|--|-----------------------------|----------------|--------------|-------------|
| System   | Sub system selection item   | 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     Engine start system | INTELLIGENT KEY             | ×              | ×            | ×           |
| Combination switch                             | COMB SW                     |                | ×            |             |
| Body control system                            | BCM                         | ×              |              |             |
| NVIS - 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) | ×              | ×            | X           |

#### NOTE

### FREEZE FRAME DATA (FFD)

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

<sup>\*:</sup> This item is displayed, but is not used.

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| 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  |   |  |  |
|                     | SLEEP>LOCK      |  | 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" (Except emergency stop operation)                   |  |  |
|                     | 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        | Power supply position status of the moment a   | While turning power supply position from "OFF" to "LOCK"*   |  |  |
| Vehicle Condition   | OFF>ACC         | particular DTC is detected   | 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"*  |  |  |
|                     | OFF             |  | Power supply position is "OFF" (Ignition switch OFF)  |  |  |
|                     | 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          | <ul> <li>The number of times that ignition switch is turned ON after DTC is detected</li> <li>The number is 0 when a malfunction is detected now.</li> <li>The number increases like 1 → 2 → 338 → 39 after returning to the normal condition whenever ignition switch OFF → ON.</li> <li>The number is fixed to 39 until the self-diagnosis results are erased if it is over 39.</li> </ul> |   |  |  |

#### NOTE

\*: Power supply position shifts to "LOCK" from "OFF", when ignition switch is in the OFF position, selector lever is in the P position (A/T models), and any of the following conditions are met.

- · Closing door
- Opening door
- Door is locked using door request switch
- Door is locked using Intelligent Key

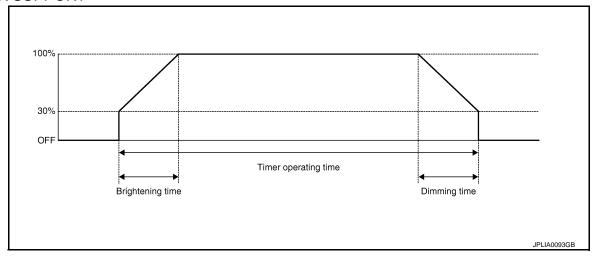
The power supply position shifts to "ACC" when the push-button ignition switch (push switch) is pushed at "LOCK".

INT LAMP

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

INFOID:0000000010837507

#### **WORK SUPPORT**



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

<sup>\*:</sup> Factory setting

#### **DATA MONITOR**

#### NOTE:

The following table includes information (items) inapplicable to this vehicle. For information (items) applicable to this vehicle, refer to CONSULT display items.

| Monitor item<br>[Unit] | Description  |
|------------------------|--|
| REQ SW-DR<br>[On/Off]  | The switch status input from request switch (driver side)          |
| REQ SW-AS<br>[On/Off]  | The switch status input from front request switch (passenger side) |

# **DIAGNOSIS SYSTEM (BCM)**

< SYSTEM DESCRIPTION > (COUPE)

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

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#### **WORK SUPPORT**

| Service item          | Setting item |   | Setting   |  |
|-----------------------|--------------|---|---|--|
| BATTERY SAVER SET     | On*          | With the e  | With the exterior lamp battery saver function                   |  |
|                       | Off          | Without th  | 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.   |   |  |
|                       | MODE 2       | 60 min.   | Sets the interior room lamp battery saver timer operating time. |  |
|                       | MODE 3*      | 10 min.   |   |  |

<sup>\*:</sup> Factory setting

#### DATA MONITOR

#### NOTE:

The following table includes information (items) inapplicable to this vehicle. For information (items) applicable to this vehicle, refer to CONSULT display items.

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

# **DIAGNOSIS SYSTEM (BCM)**

### < SYSTEM DESCRIPTION >

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| Monitor item<br>[Unit]    | Description  |
|---------------------------|--|
| KEY CYL UN-SW<br>[On/Off] | Unlock switch status received from key cylinder switch           |
| TRNK/HAT MNTR<br>[On/Off] | NOTE: The item is indicated, but not monitored.                  |
| RKE-LOCK<br>[On/Off]      | Lock signal status received from remote keyless entry receiver   |
| RKE-UNLOCK<br>[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.    |
| BATTERT SAVER | On        | Outputs the interior room lamp power supply to turn interior room lamp ON.* |

<sup>\*:</sup> Each lamp switch is in ON position.

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# **ECU DIAGNOSIS INFORMATION**

# BCM, COMBINATION METER

List of ECU Reference

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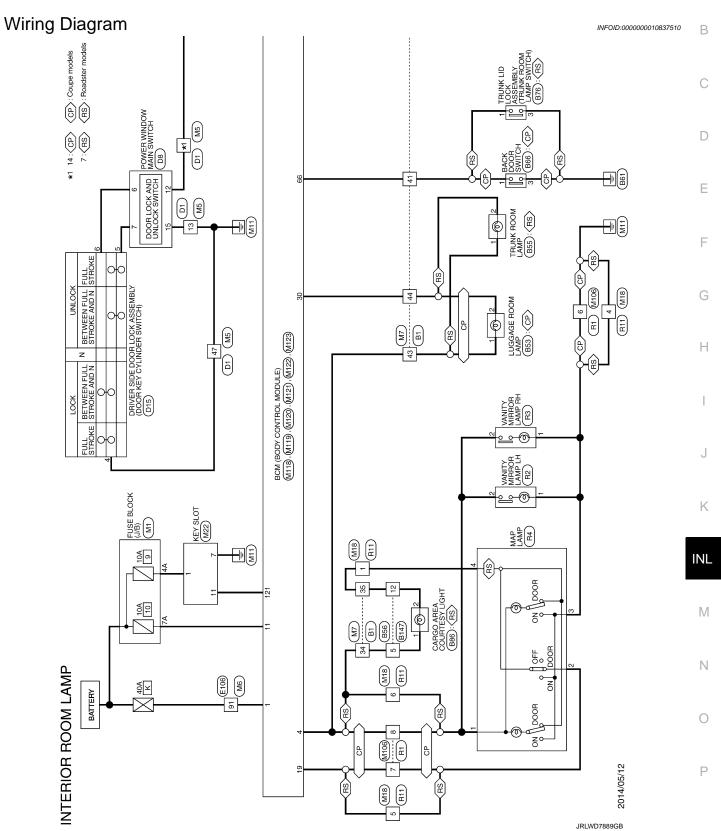
| ECU               | Reference                               |
|-------------------|---|
|                   | BCS-58, "Reference Value"               |
| BCM               | BCS-97, "Fail-safe"                     |
| DCIVI             | BCS-98, "DTC Inspection Priority Chart" |
|                   | BCS-99, "DTC Index"                     |
|                   | MWI-57, "Reference Value"               |
| COMBINATION METER | MWI-76, "Fail-Safe"                     |
|                   | MWI-77, "DTC Index"                     |

< WIRING DIAGRAM > [COUPE]

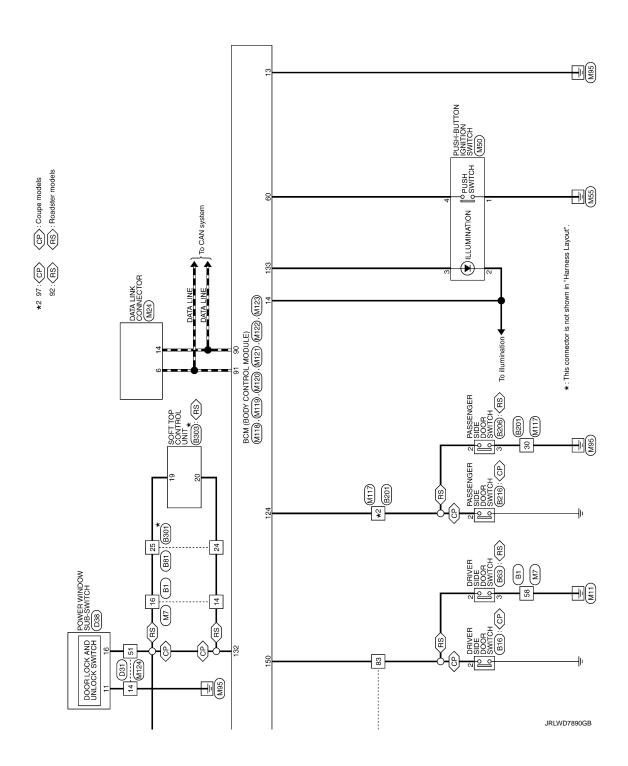
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# WIRING DIAGRAM

# INTERIOR ROOM LAMP CONTROL SYSTEM



2015 370Z



### INTERIOR ROOM LAMP CONTROL SYSTEM

< WIRING DIAGRAM > [COUPE]

| B56   | Terminal Color Of Signal Name [Specification] No. Wire Spral Name [Specification] |
|---|--|
| Corrector No. B16  Corrector Type A03FW  Terminal Color Of No. Signal Name (Specification)  Corrector No. B63  Corrector Name (UGGAGE ROOM LAMP)  Corrector Name (UGGAGE ROOM LAMP)  Corrector Type CU02FGY   | Terminal Color Of Name (Specification) 1 BR  |
| - (Roadster models)   | Coupe models   |
| $\frac{1}{2} \times \mathbb{R} \times \mathbb{R}$ |  |
| 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4   | 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1  |
| NTERIOR ROOM LAMP   Survector Name   WIRE TO WIRE   | (Copp<br>  (Copp<br>  (Copp  |
| MATERIOR Connector Name  Connector Name  Ferminal Color Off  No. Wire  1 0 0 2 2 86 2 2 86 3 4 W V 6 V V 6 V V 7 LUG 1 1 S 8 GR 11 Y 11   |  |
| INTERIO   Connector Name   Connector Name   Connector Type   Connector T  | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1  |
|   |  |

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### INTERIOR ROOM LAMP CONTROL SYSTEM

< WIRING DIAGRAM > [COUPE]

| ation]   | 100H  |
|--|---|
| Signal Name (Specification) - [With BOSE system] - [Without BOSE system] - [Without BOSE system] - [Roades modes]  |   |
| Color Of Wire G  | NSIGEV FILE   |
| Terminal Co<br>No. V<br>7 7 7 7 110 111 111 111 112 113 114 114 114 114 114 114 114 114 114  | 15 W 19 W 19 W 19 W 22 W 19 W 25 W 26   |
| Corrector No.  B303  Corrector Name SOFT TOP CONTROL UNIT  Corrector Type H.S.  SOFT TOP CONTROL UNIT  Corrector Type SOFT TOP CONTROL UNIT  Corrector Type SOFT TOP CONTROL UNIT  Corrector Name SOFT TOP CONTROL UNIT  SOFT TOP SO | 1   |
| Commector No. B216 Commector Name PASSENGER SIDE DOOR SWITCH Commector Type AUGFW  Language AU | Terminal Color Of   Signal Name [Specification]   Terminal Color Of   Signal Name [Specification]   Terminal Color Of   Signal Name [Specification]   Title   |
| NTERIOR ROOM LAMP   67   V   68   P   C   C   C   C   C   C   C   C   C  | Coupe models  |
| INTERIOR  67   | 76 B 776 W W 777 W W W 777 W W W 777 W W 928 W G 92 S B 94 G G P 95 G P |

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| INTERIOR ROOM LAMP  |   |  |   |  |
|---|---|--|---|--|
| - E   | 13 L - [With BOSE system]                     | Connector No. E106   | 82   G   -                                  |  |
| Н   | 13 V - [Without BOSE system]                  | Ownerfor Name TWIDE TO WIDE  | 83 V -                                      |  |
| BR  | 14 B -  | משוויסים ואמווים אווירד ום אווירד  | Н   |  |
| SB  | +   | Connector Type TH80FW-CS16-TM4   | +   |  |
| 12 Y - [Roadster models]  | 19 Y -  |  | 98 LG -                                     |  |
| 13 R -  | 23 Y/B .                                      |  | 87 R  |  |
| 14 G -  | 25 R -  | 8  | B   |  |
| 15 B -  | 26 SHIELD                                     | 5. S.  | 91 W  |  |
|   | 35 6 -  |  | 92 L -                                      |  |
|   | 44 L .  | 2 C Marie Ma | 93   6   -                                  |  |
| Connector No. D15   | 50 Y -  |  | L   |  |
| > and 334 > 00 - accord and 3 | 51 Y -  |  | - A 96                                      |  |
| טאועבא אוטב טט  | 52 G .  | J.   | 97 BR -                                     |  |
| Connector Type E06FGY-RS  | H   | No. Wire Signal name [Specification]   | 98 GR                                       |  |
|   | -   | \<br>\   | - 5T 66                                     |  |
|   |   | 3 -  | 100 BG -                                    |  |
| •   |   | 4 L  |   |  |
| Į[  |   | 7 B  |   |  |
| ((1 2 3 4 5 6))   | Connector No. D38                             | д.   | Connector No. M1                            |  |
|   | L   | я 6  | (a) 1 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 |  |
|   |   | - ·  |   |  |
|   | Connector Type NS16FW-CS                      | 12 R   | Connector Type NS06FW-M2                    |  |
| Terminal Color Of   |   | 13 L   |   |  |
| No. Wire Signal Name [Specification]  | Œ   | 14 GR -  |   |  |
| 1 BG  |   | 15 P   |   |  |
| 2 G   | 3.4   | -  | 3A L   ZA 1A                                |  |
| H   | 8 0 10 11 12 14 15 16                         | H  | OA 72 62 54 44                              |  |
| ╁   | 0 10 11 17 110 0                              | H  | UL VOLVOIVO HO                              |  |
| - · · · ·   |   | 21 BR - [Coupe models]   | ]   |  |
| 6 GR -  |   | 21 G - [Roadster models]   |   |  |
|   | Terminal Color Of Signal Name (Specification) | 31 L   | Terminal Color Of Signal Nama (Specifical   |  |
|   | No. Wire Orginal Marine [Specification]       | 32 Y -   | No. Wire ognarivanie opeciication           |  |
| Connector No. D31   | 3 6 .   | 36 V   | 1A V -                                      |  |
| Connector Name   WIRE TO WIRE   | 4 BG .  | 37 Y   | 2A G -                                      |  |
| COLLECTION WITH TO WITH THE   | 8 L .   | 38 R   | 3A L -                                      |  |
| Connector Type TH40FW-CS15  | 9 BR -  | 39 B -   | 4A P  |  |
|   | 10 W  | 40 W   |   |  |
|   | 11 B  | 41 LG .  | - Y 8                                       |  |
| 15 14 13 10 14 10 0 8 7 8 14 13 10 1  | 12 R  | $\vdash$   | 7A BR -                                     |  |
| 4   | 14 Y  | 43 G   | - A8  |  |
| 46 45 44 43 42 41 40 39 38 37 36 26 29 29 23 22 21 21 19 18 17 16   | - 15<br>- 16                                  | ŀ  |   |  |
|   | +   | 2  |   |  |
|   | ┨   | · da   |   |  |
|   |   | +  |   |  |
| Terminal Color Of   |   | : 0  |   |  |
| No. Wire Signal Name [Specification]  |   | 58 SHIELD  |   |  |
| 10 V  |   |  |   |  |
| 11 LG .   |   | 70 P   |   |  |
| 12 LG - [Without BOSE system]   |   | 80 W   |   |  |
| Н   |   | 81 P .   |   |  |

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### INTERIOR ROOM LAMP CONTROL SYSTEM

< WIRING DIAGRAM > [COUPE]

| INTERIOR BOOM I AMP   |              |                |  |                |          |  |          |        |                                      |  |
|---|--------------|----------------|--|----------------|----------|--|----------|--------|--------------------------------------|--|
| Connector No M5   | Connector No | Г              | Me   | 8              | >        | 1  | 23       | >      | 3                                    |  |
|   |              |                |  | 84             | -        |  | 24       | α.     |                                      |  |
| Connector Name WIRE TO WIRE   | Connect      | Connector Name | WIRE TO WIRE   | t a            | - 8      |  | ž ž      | 4-     |                                      |  |
| TIMOMINI COAE   | T. september | Т              | THE STAN OF THE ST   | 8 8            | ۲ ×      |  | 62       | ء د    | 1                                    |  |
| COLLECTOR Type TEMOINTY-COLD  | 00           | 7              | TOURIWY-COID-INH   | 0 0            | - (      |  | 2 50     |        |                                      |  |
| <b>Q</b>  | 1            |                |  | ò              | ופ       |  | 17       | 0 1    |                                      |  |
|   | 手            |                | 313  | 20 2           | 1        |  | 87       | SHIELD |                                      |  |
| 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15   | S i          | 7              |  | On             | Μ        |  | 31       | M      |                                      |  |
| se and  |              | 9              | 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5  | 95             | ۵        |  | 32       | В      |                                      |  |
| 14 15 14 15 15 15 15 15 15 15 15 15 15 15 15 15   |              |                | # 55 G<br>36 G<br>36 G<br>37 G<br>38 G | 93             | Ь        | •  | 33       | Μ      |                                      |  |
| to Lobo to the factor to Late to the factor |              |                | 10 SS  | 98             | >        |  | 34       | œ      |                                      |  |
|   |              |                |  | 96             | ۵        | ,  | 35       | 60     |                                      |  |
|   |              |                |  | 47             | 25       |  | y.       | -      | Ţ.                                   |  |
|   | Toring       | Color Of       |  | 5 8            | 5        |  | 8 \$     | -      |                                      |  |
| Signal Name [Specification]   | eume         | ر              | Signal Name [Specification]  | 8              |          |  | € :      | 1      |                                      |  |
|   | o.           | wire           |  | 66             | M        |  | 41       | ×      |                                      |  |
| 7 Y   | -            | >              |  | 100            | ч        |  | 42       | GR     |                                      |  |
| - × 8   | 3            | _              |  |                |          |  | 43       | œ      |                                      |  |
| H   | 4            | -              |  |                |          |  | 44       | œ      |                                      |  |
| ) > \$  |              |                |  | Oceano Mio     | - No.    |  | ų,       | : 0    |                                      |  |
| +   |              | ۵              |  |                | . ON     |  | 5        |        |                                      |  |
|   | 00           | ۵              |  | Connector Name |          | WIRE TO WIRE                                 | 46       | 9      | <ul> <li>Roadster models)</li> </ul> |  |
| 12 L -  | 6            | В              |  |                |          |  | 46       | SHIELD | - [Coupe models]                     |  |
| 13 B  | 1            | GR             |  | Connector      | Type T   | 480MW-CS16-TM4                               | 47       | œ      |                                      |  |
| L   | 12           | α              |  |                | ,        |  | 48       | SHELD  |                                      |  |
| ╀   | 5            | -              |  | Œ              |          |  | ŭ        | >      |                                      |  |
| +   | 2 ;          | ,              | ٠  | 至              |          | 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2      | 5        | > (    |                                      |  |
| - A 61  | 4            | 9              |  | SE.            |          | 8 200 000 000 000 000 000 000 000 000 00     | 25       | ¥      |                                      |  |
| 23 Y/B -  | 15           | ۵              |  | ¥              | 9        | 88 23 25 25 25 25 25 25 25 25 25 25 25 25 25 | 22       | SHIELD |                                      |  |
| 25  | 16           | ≯              |  |                |          | S S S S S S S S S S S S S S S S S S S        | 28       | ω      |                                      |  |
| Ű   | 17           | â              |  |                |          |  | S        | -      |                                      |  |
|   | - 8          | á              |  |                |          |  | 8 8      | ، د    |                                      |  |
| 35 BR   | 50           | SK<br>SK       |  |                |          |  | 19       | ¥      |                                      |  |
| 44 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \  | 21           | œ              |  |                |          |  | 62       | SHIELD |                                      |  |
| 47 B  | 3            | ä              |  | Terminal       | Color Of |  | 89       | ~      |                                      |  |
| +   | 5            | í:             |  | ž              | 1        | Signal Name [Specification]                  | 3        | : (    |                                      |  |
| +   | 35           | >              |  | 2              | DII.     |  | ŧ,       | ף<br>פ |                                      |  |
| 4   | eg<br>S      | SB             |  |                | ¥        | 1  | QQ<br>QQ | SHELD  |                                      |  |
| 50 W  | 37           | <b>&gt;</b>    |  | 2              | 0        |  | 99       | FG     |                                      |  |
| 51 R  | 38           | 97             |  | 3              | 97       |  | 29       | ^      |                                      |  |
| ╀   | g.           | g,             | ,  | 4              | c        |  | 89       | CHIE   |                                      |  |
| +   | 3            | 3              |  | •              | , ;      |  | 8 8      | - 1    |                                      |  |
| - w £6  | 940          | ≷              |  | ٥              | >        |  | 90       | -      |                                      |  |
| _   | 41           | PP             |  | 7              | PT       | -  | 70       | Ь      | -                                    |  |
| _   | 42           | œ              |  | 80             | SB       |  | 71       | ^      |                                      |  |
| ┨   | į            |                |  |                | 3 8      |  | 1        |        |                                      |  |
|   | 3            | פ              |  | D              | r<br>5   |  | 7/       | 1      |                                      |  |
|   | 4            | Ø              | - [With A/T]   | 1              | >        |  | 73       | BR     |                                      |  |
|   | 44           | œ              | - [With M/T]   | 12             | ^        |  | 74       | GR     |                                      |  |
|   | Ų            |                |  | ç              | 6        |  | 1        |        |                                      |  |
|   | 0            | ,              |  | 2              | ř        |  | 0        |        |                                      |  |
|   | 46           | o              |  | 14             | ^        |  | 80       | Υ.     | -                                    |  |
|   | 47           | BR             | •  | 15             | В        |  | 81       | M      |                                      |  |
|   | 0            | 0              |  | 46             | ^        |  | ŝ        | 8      |                                      |  |
|   | 8            | 3 1110         |  | 2 !            | ,        |  | 70       | ń      |                                      |  |
|   | 60           | 7              | •  | È              | r        | •  | 83       | ¥5     | •                                    |  |
|   | 70           | œ              |  | 18             |          |  | 8        | _      |                                      |  |
|   | B)           | 5              |  | 20             | S.S.     |  | 85       | 9      |                                      |  |
|   | 3            | 5              |  | ì              | } (      |  | 8        | 2 >    |                                      |  |
|   | 8            | ¥5             |  | 2              | 9        | •  | 8        | >      |                                      |  |
|   | 82           | >              |  | 22             | GR       | •  | 87       | BR     |                                      |  |
|   | \$           |                |  | 1              | 5        |  | 5        | á      |                                      |  |
|   |              |                |  |                |          |  |          |        |                                      |  |
|   |              |                |  |                |          |  |          |        |                                      |  |
|   |              |                |  |                |          |  |          |        |                                      |  |
|   |              |                |  |                |          |  |          |        |                                      |  |
|   |              |                |  |                |          |  |          |        |                                      |  |
|   |              |                |  |                |          |  |          |        |                                      |  |
|   |              |                |  |                |          |  |          |        |                                      |  |
|   |              |                |  |                |          |  |          |        |                                      |  |
|   |              |                |  |                |          |  |          |        |                                      |  |
|   |              |                |  |                |          |  |          |        |                                      |  |
|   |              |                |  |                |          |  |          |        |                                      |  |
|   |              |                |  |                |          |  |          |        |                                      |  |
|   |              |                |  |                |          |  |          |        |                                      |  |
|   |              |                |  |                |          |  |          |        |                                      |  |
|   |              |                |  |                |          |  |          |        |                                      |  |
|   |              |                |  |                |          |  |          |        |                                      |  |
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| IN LEKIOK KOOM LAMP                           | Connector No. M22                  | Connector No. M50                           | Connector No.     | M117                                     |
|---|------------------------------------|---|-------------------|--|
| ⊢   | l                                  |   | l                 |  |
| ⊢   | Connector Name   KEY SLOI          | Connector Name PUSH-BULLON IGNITION SWILLCH | Connector Name W  | WIRE TO WIRE                             |
| SB  | Connector Type TH12FW-NH           | Connector Type TK08FBR                      | Connector Type Ti | TH80MW-CS16-TM4                          |
| Н   | Q                                  | á   | Q                 |  |
| M.  | 厚                                  | [E]   | 厚                 | का                                       |
|   |                                    | 1 2 3                                       | SIT               | 30                                       |
| 4   | 123 56                             | ]   |                   | 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2    |
| > {   | ) \{                               | 4 5 6 7 8                                   |                   | 8 18 18 18 18 18 18 18 18 18 18 18 18 18 |
| BG - [Coupe models]                           |                                    |   |                   | 88 8                                     |
| 8/\8<br>                                      |                                    |   |                   |  |
| M =   |                                    |   |                   | ]  |
| 4   | Signal Name [Specification]        | Signal Name [Specification]                 | lerminal Color Of | Signal Name [Specification]              |
|   | NO. WIFE                           | W. Wile                                     | NO. WIE           | - Come modelel                           |
| Consector No M18                              |                                    |   | +                 | - [Roadster models]                      |
|   | š ×                                | ł   | +                 | - [Boadster models]                      |
| Connector Name   WIRE TO WIRE                 |                                    | 4 BR  | H                 | - [Coupe models]                         |
| Connector Type TH12MW-NH                      | 9 171                              | 5 GR -                                      | 4<br>W            |  |
|   | 7 B GROUND                         | - A 9                                       | 2 LG              | - [Coupe models]                         |
|   | 11 R KEY SWITCH SIGNAL             | 7 V 7                                       | 7 Y               | - [Roadster models]                      |
|   |                                    | 8 P   | 9 FC              |  |
| 10345   |                                    |   | <b>k</b> 6        |  |
| ><br>-  | Connector No. M24                  |   | 12                |  |
| 7 8 9 10 11 12                                | Connector Name DATA LINK CONNECTOR | Connector No. M106                          |                   | •  |
|   |                                    | Connector Name   WIRE TO WIRE               | $\dashv$          |  |
|   | Connector Type BD16FW              |   | +                 |  |
| Terminal Color Of Signal Name (Specification) | á                                  | Connector Type TH16MW-NH                    | 40 0              |  |
| ,   |                                    | 1   | +                 |  |
|   | 1191 14 16 1                       | 香   | 42 G              |  |
|   |                                    |   | +                 | ,  |
|   | 3 4 5 6 7 8                        | 1 2 3 4 5 6 7 8                             | +                 | 1  |
| no c  |                                    | į   | +                 |  |
| · ·   |                                    | 41 CT 71 11 N                               | 20 00 00          |  |
|   | Torminal Color Of                  |   | 30 OHELD          |  |
| 2   |                                    | Terminal Color Of                           | +                 |  |
|   | 3 LG - [Coupe models]              | No. Wire Signal Name [Specification]        | S6 SHIELD         |  |
| ď   | ľ                                  | . w   | T                 | - [Coupe models]                         |
|   | 4 B                                | : X   | 57 P              | - [Roadster models]                      |
| >   | a                                  | 9   | - 8               | [Dondetor modole]                        |
|   | +                                  | +   | 3 8 8             | - [Coune models]                         |
|   | · · · · · ·                        |   | ╀                 | -  |
|   | . 0                                | $\vdash$                                    | ╀                 | ı  |
|   | 11 LG - [Roadster models]          | 12 G  | 61 GR             |  |
|   |                                    | 13 Y  | $\vdash$          |  |
|   | 14 P                               | 14 SHIELD -                                 | H                 |  |
|   | 16 Y                               | 15 R  | 64                |  |
|   |                                    | H   |                   | 1  |
|   |                                    | ł   | ╀                 |  |

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| Commedor N   Com | Corrector No.    | Connector No.   M119   Connector Type   Terminal Code of No.   M119   Connector No.   M120   Connector No.   M12   |
|--|--|--|
| Name   Specification   Name   Specification   Name   Specification   Name   Specification   Name   Name   Specification   Name   Name   Specification   Name   Name   Specification   Name    | Terminal Cobr Off   Term | Females   Cobor Of   Signal Name   Specification   Fammal Cobor Of   Fammal Cobor    |
| CONTROL MODULE)  | Connector Name   BCM (BODY CONTROL MODULE)   | Connector Name   BCM (BODY CONTROL MODULE)   |
| 13   14   15   17   18   9   18   19   19   19   19   19   | Connector Name   Conn | - (Coupe models) - (Cou |
| Color   No.    |  | - Coupe models   - Coup |
|  |  | - (Coupe models) - (Cou |

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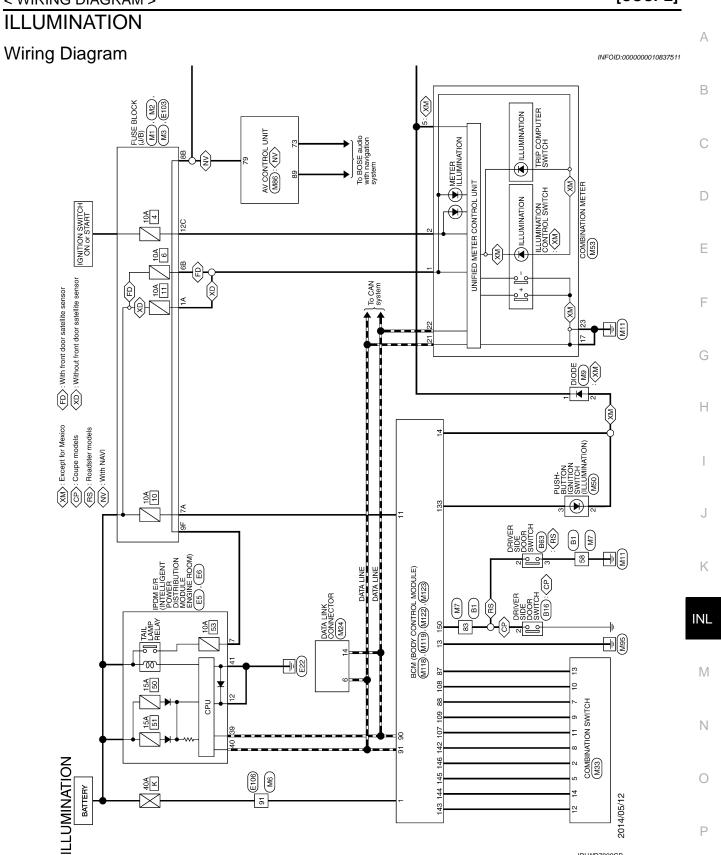
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Р

| Connector No. R11                  | Connector Name WIRE TO WIRE | Connector Type TH12FW-NH |                                    |                   | 6 5 4 3 2 1       | ,                 | 12 11 10 9 8 7         |                   | Terminal Color Of               | No. Wire Signal Name [Specification] | 1 SB - | 2 B - | $\dashv$                    | w : | +                          | 7 SHEID                 |                                     | Н  | +   | 7 4        |        |                             |                                      |                        |                                      |    |     |             | Ţ | T | 7 |   |   |      |   |  |  |
|------------------------------------|-----------------------------|--------------------------|------------------------------------|-------------------|-------------------|-------------------|------------------------|-------------------|---------------------------------|--------------------------------------|--------|-------|-----------------------------|-----|----------------------------|-------------------------|-------------------------------------|----|---|------------|--------|-----------------------------|--------------------------------------|------------------------|--------------------------------------|----|-----|-------------|---|---|---|---|---|------|---|--|--|
| Connector No. R3                   | l e                         | Connector Type MCA02FW   |                                    |                   | 1.3.              | 6                 | 7                      |                   | Terminal Color Of               | No. Wire Signal Name (Specification) | 1 B    | 2 R - |                             |     | Connector No. R4           | Connector Name MAP LAMP | Connector Type TK06FGY              | á  | 医   | HS.        | 654371 | -                           |                                      | Terminal Color Of      | No. Wire Signal Name [Specification] | м. | 2 v | . В         | + | + |   |   |   |      | 7 |  |  |
| Connector No. R1                   | Connector Name WIRE TO WIRE | Connector Type TH16FW-NH |                                    |                   | 87654371          | 1 5               | 16 17 14 13 12 11 10 9 |                   | Terminal Color Of               |                                      | 4 W    | 5 R   |                             | +   | x (                        | +                       | 13 G                                | တ် | +   | 16   G   - |        | Connector No. R2            | Connector Name VANITY MIRROR LAMP LH | Connector Type MCA02FW |                                      |    |     | , C. II. S. | 6 | 7 |   | Terminal Color Of Signal Name [Specification] | + | no ( |   |  |  |
| INTERIOR ROOM LAMP  134 GR LOCKIND | RECEIVER & SENSOR GND       | TIRE PRESS RECEIV COMM   | P/N POSITION<br>SECURITY INDICATOR | COMBI SW OUTPUT 5 | COMBI SW OUTPUT 1 | COMBI SW OUTPUT 2 | COMBI SW OUTPUT 3      | COMBI SW OUTPUT 4 | REAR WINDOW DEFORGER RELAY CONT |                                      |        | M124  | Connector Name WIRE TO WIRE |     | Connector Type TH4UMW-CS15 |                         | 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 |    | 27.28.28.30.31.32.33.34.38 47.48.49.51.51.52.53.54.55 |            |        | Signal Name [Specification] |                                      |                        |                                      |    |     | •           |   |   |   |   |   |      |   |  |  |

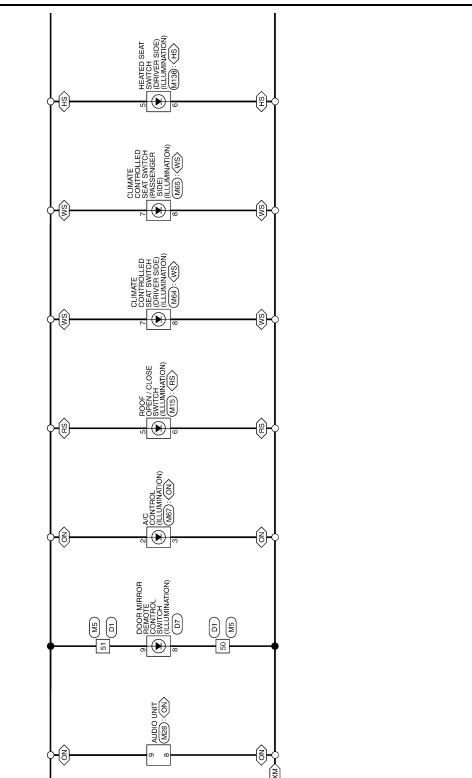
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[COUPE] < WIRING DIAGRAM >

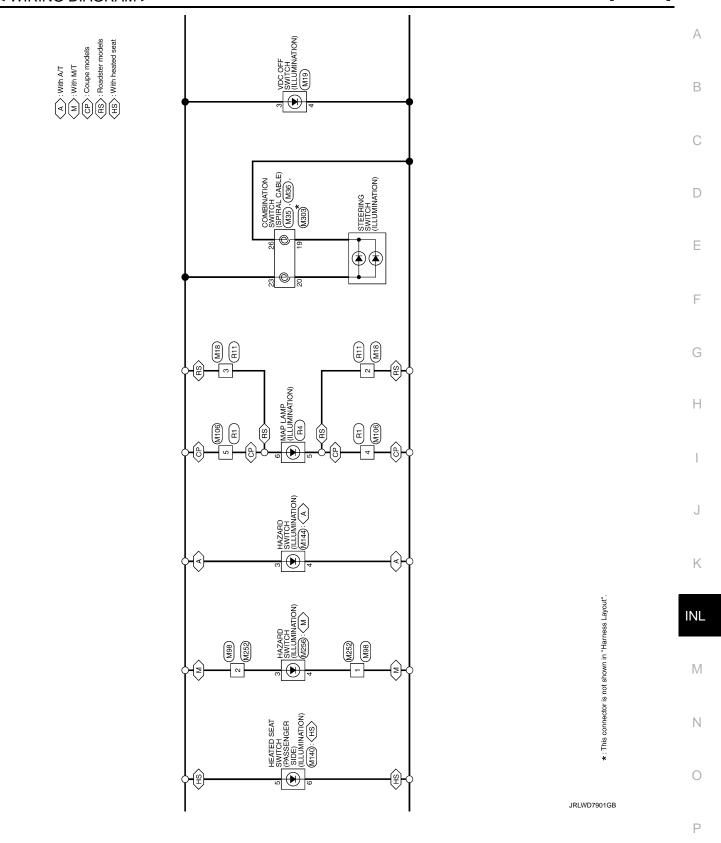


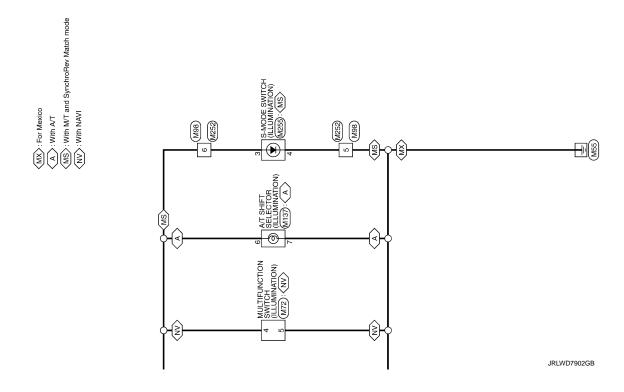
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\(\lambda \text{XM}\rangle \text{: Except for Mexico}\)
\(\lambda \text{SM}\rangle \text{: Moadster models}\)
\(\lambda \text{SM}\rangle \text{: without NAVI}\)
\(\lambda \text{VM}\rangle \text{: with climate controlled seat}\)
\(\lambda \text{SM}\rangle \text{: With heated seat}\)



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< WIRING DIAGRAM > [COUPE]

| Connector No. D1 Connector Name WIRE T Connector Type TH40FY    Signature   Si | No Wire   Caylor activate   Paper   Paper |
|--|---|
| Connector No. B16 Connector Name DRIVER Connector Type A009FW  | No.   Wire   Organism in Commercion No.   Bits  |
| GR   BR   BR   BR   BR   BR   BR   BR  | 61 SHELD 63 SHELD 64 PY 65 SHELD 66 P P 67 L L 68 SHELD 67 L L 77 P V 77 P G 70 G 70 G 71 PP 71 PP 72 P P 73 BR 74 GR 75 BG 89 V 81 L   |
| MATION B1  | Wife  V W W  V W W  LG  GR  SB  SB  V V  V V  V V  BR  BR  CG  GR  SB  CG  CG  CG  CG  CG  CG  CG  CG  CG  C  |
| ILLUMINA<br>Corrector No.<br>Corrector Name<br>Corrector Type  | No.   |

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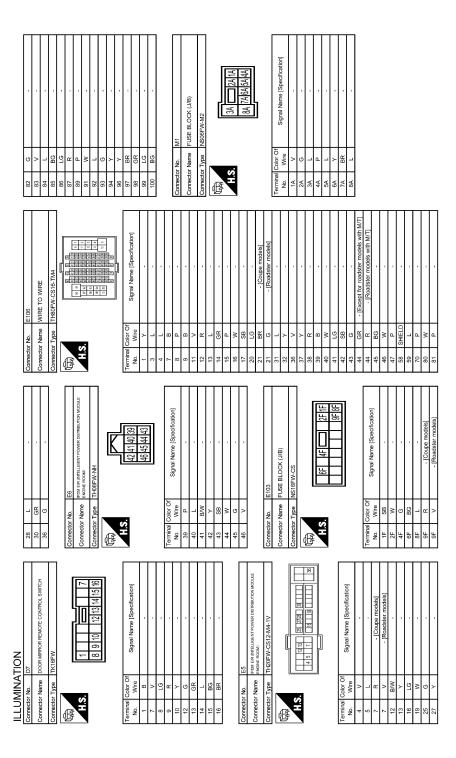
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| ILLUMINATION Connector No.   M2  | Connector No.  | M5  |   | Connector No. |                  | M6  | 83           | >              |   |
|--|----------------|---|---|---------------|------------------|---|--------------|----------------|---|
| Connector Name FUSE BLOCK (J/B)  | Connector Name | me WIRE TO WIRE                                 |   | Connecto      | Connector Name V | WIRE TO WIRE                              | 88           | ا ر            |   |
| Connector Type NS10FW-CS   | Connector Type | TH40MW-CS15                                     |   | Connector     | Tvnp             | TH80MW-CS16-TM4                           | & &          | 두 >            |   |
|  |                | 1   |   |               |                  |   | 8 8          | - o            |   |
|  | C C            |   |   |               | _                |   | 68           | ۵              |   |
|  | É              | 12345   | 5 6 7 8 9 10 11 12 13 14 15             |               |                  |   | 91           | W              |   |
| 9<br>8<br>8  | Ċ              | 56 17 18 10 10 10 10 10 10 10 10 10 10 10 10 10 |   | Ĭ             | 9                | 50 CS SS | 92           | ۵              |   |
| 6B 8B   6B 5B  |                | 2728293313233933                                | 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 |               |                  | 11 X 3645 5456 X 11                       | 83           | ۵              | T   |
| ш  |                |   |   |               |                  | の   | 94           | >              |   |
|  |                |   |   |               |                  |   | 86           | م و            | ,   |
|  | Torminal       | ,0  | Ī                                       | Tormino       | Color            |   | ĥ            | 5              |   |
| No. Wire Signal Name [Specification]   | _              | 5 0   | Signal Name [Specification]             | Ž             |                  | Signal Name [Specification]               | 8 8          | > ≥            |   |
| 98   | t              |   |   | ,             | >                |   | 100          | : a            |   |
| ╀  | α              |   |   | ~             | ŀ                |   |              |                |   |
| . C  | ł              | . œ   |   | 0 4           | -                |   |              |                |   |
| ╀  | F              | . >   |   | 7             | a                |   | Connector No | No.            | M7  |
| ╀  | ┢              | . >   |   | œ             | ۵                |   |              |                |   |
|  | +              |   |   | 0             |                  |   | Connect      | Connector Name | WIRE TO WIRE  |
| ┨  | ╀              |   |   | , =           | a e              |   | Janua        | Connector Type | THROMAN_CS16_TM4  |
|  | +              | 0 >   |   | - 6           | á a              |   | 2            | 2              |   |
| Connector No M3  | ╀              | . 101   |   | ź ¢           | -                |   | Œ            | •              |   |
|  | 0 0            | : >   |   | 14            | ی ر              |   | 芽            |                | E 8   |
| Connector Name FUSE BLOCK (J/B)  | +              | . A/A   |   | . 4           |                  |   | S.F.         | vi             |   |
| Connector Type NS12FW-CS   | $^{+}$         |   |   | 9             | . *              |   |              | 1              | # #<br># #<br># #<br># #<br># #<br># #<br># #<br># #              |
| Company of the compan | Ť              |   |   | 5 5           | 8                |   |              |                |   |
| <b>1</b>   | 2 2            | an and  |   | 5             | á                |   |              |                | 9 S<br>80 S<br>80 S<br>80 S<br>80 S<br>80 S<br>80 S<br>80 S<br>80 |
| AND  | +              |   |   | 3 6           | ś                |   |              |                |   |
|  | +              |   |   | 2 5           | 2 8              |   | Torminol     | Color          |   |
| 000000000000000000000000000000000000000  | 1 0            | 0 8   |   | 5             | ś >              |   | 2            |                | Signal Name [Specification]                                       |
| 090/ 080/101/071   | +              |   |   | 7 5           | > {              |   | į,           |                |   |
|  | +              |   |   | 98            | gg :             |   |              | ¥ ,            |   |
|  | +              | 8   |   | 3/            | >                |   | 7            | ٥              |   |
|  | +              | œ   | 1                                       | 38            | P                |   | ၈            | 2              | •   |
| Terminal Color Of Signal Name [Specification]  | 52             |   |   | 99            | g                |   | 4            | 0              |   |
|  | $\dashv$       | >   |   | 40            | 3                |   | 9            | >              |   |
| 100 1  |                | (0.   | i                                       | 14            | PC               | •   | 7            | P              |   |
| 11C LG .   | _              | 2   |   | 42            | ٣                |   | 80           | SB             | •   |
| L  |                |   |   | 43            | U                |   | ص<br>ا       | GR             |   |
| ┸  |                |   |   | 77            |                  | - nwith A/TT                              | 5            | >              |   |
| 2 2 2  |                |   |   | ;             | ,                | - [Will Act]                              | - 5          | - >            |   |
| 4  |                |   |   | ţ             | ٠                | - [VVI(1) IVI/1]                          | 2 !          | }              |   |
| - o o  |                |   |   | <del>4</del>  | ٥                |   | 2            | 쑮              |   |
|  |                |   |   | 46            | g                |   | 14           | >              |   |
|  |                |   |   | 47            | R                |   | 15           | മ              | •   |
|  |                |   |   | 28            | SHIELD           | 1   | 16           | ^              |   |
|  |                |   |   | 29            | -                | •   | 1            | 2              |   |
|  |                |   |   | 70            | ۵                |   | ά            | -              |   |
|  |                |   |   | 2 8           | 4                |   | 2 8          | 1 5            |   |
|  |                |   |   | 98            | 9                | •   | R            | 9              | •   |
|  |                |   |   | 81            | GR               |   | 21           | <sub>0</sub>   |   |
|  |                |   |   | 82            | >                |   | 22           | GR             |   |
|  |                |   |   |               |                  |   |              |                |   |
|  |                |   |   |               |                  |   |              |                |   |

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|             | Connector No. M24 | On The Table of Table | COLLINGUE DATA CITAL COLINECTOR | Connector Type BD16FW  | 1                 |       |                             | 1. S. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. |     | 3 4 5 6 7 8 1 |   |   |         | la<br>I | No. Wire Organication | 3 LG - [Coupe models] | 3 Y - [Roadster models] | 80 (  | n _                        | ŀ     | 9 8 | 11 LG - [Roadster models] | 11 Y - [Coupe models] | 14 P | 16 Y - |     | - |                                      | Connector Name   AUDIO UNIT | Connector Type TH18FW-CS2 | ą    |                   |                               | 2 3 6 7 8 9                             | 19 11112 1516 18         |   |   | a<br>a | No. Wire | 2 L SOUND SIGNAL FRONT SPEAKER LH (+) | 3 V SOUND SIGNAL FRONT SPEAKER LH (-) | 6 W STRG SW A | -        | 8      | Υ :      | 11 V SOUND SIGNAL FRONI SPEAKER RH (+) | 2 4 |
|-------------|-------------------|--|---------------------------------|------------------------|-------------------|-------|-----------------------------|--|-----|---------------|---|---|---------|---------|-----------------------|-----------------------|-------------------------|---|----------------------------|-------|-----|---------------------------|-----------------------|------|--------|-----|---|--------------------------------------|-----------------------------|---------------------------|------|-------------------|-------------------------------|---|--------------------------|---|---|--------|----------|---------------------------------------|---------------------------------------|---------------|----------|--------|----------|--|-----|
| ŀ           | $\dashv$          | 6 R  |                                 |                        | Connector No. M18 |       | Connector Name WIRE TO WIRE | Connector Type TH12MW.NH                     | 1   |               | 全 |   | 1123456 | >       | 7 8 9 10 11 12        |                       | -                       | Terminal Color Of Signal Name [Specification] | $^{+}$                     | 2 W   | 3 R | 4 B -                     | 5 P                   | В.   | က်     | +   | + | 0 0 1                                | $\vdash$                    |                           |      | Connector No. M19 | Connector Name VDC OFF SWITCH | Connector Type TK04FW                   |                          | E |   | 止<br>— | 3 2 1 4  |                                       |                                       | -             | <u>a</u> |        |          | 2 8                                    | +   |
| ŀ           | . BS 88           | 93 Y   | 94 L - [Roadster models]        | 94 SB - [Coupe models] | GR                | Α.    | -                           | 97 I.G [Coune models]                        | 2 > | - 8           | 2 | 1 | 4       | 100 B . |                       |                       | Connector No. M9        | Connector Name DIODE                          | Connector Type 24335 C9900 | 7     | Œ   |                           |                       | 7    |        |     | T | No. Wire Signal Name [Specification] | - M                         | 2 R                       |      | Compositor No M46 |                               | Connector Name ROOF OPEN / CLOSE SWITCH | Connector Type TK06FW-1V | 4 |   |        |          | 3 6 1                                 |                                       |               |          | e<br>E | NO. WITE | 20 >                                   | +   |
| LLUMINATION |                   | -  |                                 |                        |                   |       |                             |  |     |               |   |   |         | ,       | -                     | ,                     | -                       |   | - [Roadster models]        |       |     | - 01                      |                       |      | 07     |     |   | 0.                                   |                             |                           | - 07 | ,                 |                               | 3                                       |                          |   | • | ,      |          |                                       |                                       |               |          |        |          |  |     |
| ≦l          | >                 | œ  | ٦                               | ۵                      | œ                 | SHELD | 3                           | · c  | 13  | ≥ 0           | ١ | m | _       | _       | œ                     | Ŗ                     | œ                       | ~ (   | o و                        | SHELD | œ   | SHIELD                    | >                     | ۲    | SHE    | m · | 1 | SHE                                  | L C                         | ဗ                         | 맮    | 9 ×               | , HE                          |   | ۵                        | > | ۵ | 监      | Ŗ        | 이                                     | ≻                                     | ≥             | 삐        | ğ      | 1        | 2 >                                    | 1   |

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< WIRING DIAGRAM > [COUPE]

| Connector No. M64  Connector Name cuavit control to sext switch devices site;  Connector Type ITK10PW  TH.S. 1  | Terminal Color Of Signal Name (Specification)  2  |  |
|---|---|--|
| Connector No. M33  Connector Name COMBINATION METER  Connector Type TH24EVV-NH  TASA  TASA TASA | Terminal Color Of   |  |
| Connector No. M36 Connector Name COMBINATION SWITCH (SPIRAL CABLE) Connector Type TKG8FGY-1V  MAS  A12 22 22 22 22 22 22 22 22 22 22 22 22 2  | Terminal Color Of Signal Name (Specification)   No. wire   Signal Name (Specification)   No. wire   Signal Name (Specification)   No. wire   No. wire |  |
| LLUMINATION   | 1   1   1   1   1   1   1   1   1   1   |  |

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|             | Connector No. MITIS  | WIRE TO WIRE Connector Name BCM (BODY CONTROL MODULE) | TH08FW-NH Connector Type M03FB-LC | H3.   | Signal Name [Specification] Terminal Color Of Name [Specification] | 1 W BAT (F/L)         | - N POWER WINDOW POWER SUPPLY (BAT) | 3 Y POWER WINDOW POWER SUPPLY (IGN) |                    | Connector No.   M119 | I I I I I I I I I I I I I I I I I I I | CONTRACTOR INCOLUTE DOM (DOD) CONTROLLY | Connector Type NS16FW-CS |                                     |                          | 4 5                 | THISMW-NH   13 14 15   17 18 19 |                   |    | <u>a</u>  | 9 10 11 12 13 14 15 16 4 R INTERIOR ROOM LAMP POWER SUPPLY | (y) x                       | 9                 | T.       | ⊢      | - 14 R PUSH-BUTTON IGNITION SW ILL GND | - 15 Y ACC IND | - TURN SIGNAL RH (FRONT, SIDE) | - TURN SIGNAL LH (FRONT, SIDE) | - ROOM LAMP TIMER CONTROL |      |      |
|-------------|----------------------|---|-----------------------------------|---|--|-----------------------|-------------------------------------|-------------------------------------|--------------------|----------------------|---------------------------------------|---|--------------------------|-------------------------------------|--------------------------|---------------------|---------------------------------|-------------------|----|-----------|--|-----------------------------|-------------------|----------|--------|--|----------------|--------------------------------|--------------------------------|---------------------------|------|------|
|             | Connector No. M98    | Connector Name WIRE                                   | Connector Type TH08F              | 是<br>H.S.   | Terminal Color Of No. Wire   | 1<br>B                | 2 R                                 | 4                                   | 4 п<br>С 0         | -                    | 7 B                                   | 8 G                                     |                          | Connector No M106                   |                          | Connector Name WINE | Connector Type TH16N            | <b>1</b>          | Ů. | 11.2      |  | _                           | Terminal Color Of | No. Wire | W 4    | 5 R                                    | B 9            | 7 P                            | 8<br>R                         | 11<br>B                   | 12 G | 13 Y |
|             | M8b                  | DE AV CONTROL UNIT                                    | e TH32FW-NH                       | 13 00 01 02 05 05 04   16 1 05 05 05 04   17 1 12 105 05 05 05 05 05 05 05 05 05 05 05 05 0 | Of Signal Name [Specification]                                     | PARKING BRAKE SIGNAL  | COMPOSITE IMAGE GND                 | Ö                                   | ILD MICROPHONE GND |                      |                                       |   | AV                       | ILL+<br>IGNITION SIGNAL             |                          | VEHICLE             | SHIELD                          | MICROPHONE SIGNAL |    |           | AV COMM (H)  |                             |                   |          |        |  |                |                                |                                |                           |      |      |
|             | Connector No.        | Connector Name  | Connector Type                    | ₽ H.S.  | Terminal Color Of Wire   | 65 0                  | 67 L                                | T                                   | 71 SHIELD          | ╁                    | 74 P                                  | $\dashv$                                |                          | 79<br>R R                           | H                        | 82 Y                | H                               | 87 ×              | Н  | +         | 92   |                             |                   |          |        |  |                |                                |                                |                           |      |      |
| 2           |                      | Connector Name A/C CONTROL                            | TH10FB-NH                         | 12345   | Signal Name [Specification]  | IGNITION POWER SUPPLY | ILL+                                | ILL-                                | TX (SW_AMP)        | GROUND               |                                       |   | M72                      | Connector Name MULTIFUNCTION SWITCH | TH16FW-NH                |                     |                                 |                   | ∞  | 1 3 5   9 |  | Signal Name [Specification] | GROUND            | ACC      | 111    | ILL CONT                               | AV COMM (H)    | AV COMM (L)                    | SW GND                         | DISK EJECT SIGNAL         |      |      |
| LLUMINATION | Connector No. INIb./ | Connector Name  | Connector Type                    | H.S.  | Terminal Color Of<br>No. Wire                                      | Н                     | 2 R                                 | +                                   | 4 u                | 6 9 A                |                                       | - 1                                     | Connector No.            | Connector Name                      | Connector Type TH16FW-NH |                     | 修                               | H.S.              |    |           |  | Terminal Color Of           | +                 | 3 F      | 4<br>R | Н                                      | e Ire          | 8                              | 9 BR                           | 14 SB                     |      |      |

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| ILLUMINATION Connector No. M122 Connector Name BCM (8 Connector Type TH40FB H.S. BER B |  | Connector No. Connector Nar Connector Typ | Corrector No. Corrector Name Corrector Type H.S. | M123<br>BCM (Bi<br>TH40FG                    | Connector No. Connector Na. Connector Typ. H.S. | e   e   jo       | M137 AT SHET SELECTOR TK10FW  12                | Connector No. Connector Name Connector Type H.S. H.S. | M140<br>HEATED S<br>NSOGFB   |
|--|--|---|--|--|---|------------------|---|---|------------------------------|
|  | Signal Name [Specification]                | Š   |  | Sign   | Đ.  | Wire             | Signal Name [Specification]                     | No. Wire  | Signal Name [Specification]  |
|  | ROOM ANT 2-                                | 113                                       | 4  | OPTICAL SENSOR                               | -   | > :              |   | - P   |                              |
| - 1  |  | 114                                       | +  | CLUTCH INTERLOCK SW                          | 21  | > .              | •   | $^{+}$  | -                            |
| - 1  | PASSENGER DOOR ANI-<br>PASSENGER DOOR ANT+ | 119                                       | 8  | STOP LAMP SW 1                               | η 4   | - 8              |   | 2 4   |                              |
| 1  | DRIVER DOOR ANT-                           | 118                                       | ۵  | STOP LAMP SW 2                               | 2   | ŋ                |   | 2   |                              |
| ıl   | DRIVER DOOR ANT+                           | 119                                       | SB   | DR DOOR UNLOCK SENSOR                        | 9   | ď                |   | 9   |                              |
| - 1  | ROOM ANT 1-                                | 121                                       | œ  | KEY SLOT SW                                  | 7   | Μ                | •   |   |                              |
| - 1  | ROOM ANT 1+                                | 123                                       | ≥  | IGN F/B                                      | ∞   | ۵                |   |   |                              |
|  | NATS ANT AMP.                              | 124                                       | PC   | PASSENGER DOOR SW                            | 6   | <b>&gt;</b>      | •   | Connector No.   | M144                         |
| - 1  | NATS ANT AMP.                              | 129                                       | 0  | TRUNK LID OPENER CANCEL SW                   | 10  | œ                |   | Connector Name  | HAZABO SWITCH                |
| 1  | IGN RELAY (F/B) CONT                       | 130                                       | _  | REAR DEFOGGER SW                             |   |                  |   | DI POLITICA INGLIE                                    |                              |
| ᅱ  | KYLS ENT RECEIVER (FRONT) COMM             | 132                                       | >  | P/W SW & SOFT TOP C/U COMM [Roadster models] |   |                  |   | Connector Type TK04FW                                 | TK04FW                       |
| - 1  | COMBI SW INPUT 5                           | 132                                       | >  | POWER WINDOW SW COMM [Coupe models]          | Connector No.                                   | Т                | M138  | Q   |                              |
| - 1  | COMBI SW INPUT 3                           | 133                                       | +  | PUSH BUTTON IGNITION SW ILL POWER            | Connec  | tor Name         | Connector Name HEATED SEAT SWITCH (DRIVER SIDE) | 多   |                              |
| - 1  | CAN-L                                      | 134                                       | g .  | LOCK IND                                     | 0   | Constant Time    | SO MEDICAN                                      | <u>S</u>  |                              |
| 1  | LINES SERVICE                              | 2 6                                       | +  | PECEIVED & SENISOR DOWER SLIPPI V            | 50  | 1                | 1000 M  |   | 3 1 2 1                      |
| 1  | QNINO                                      | 139                                       | -  | TIRE PRESS RECEIV COMM                       | Œ   | •                |   |   | + 3 - 6                      |
| ı  | ACC RELAY CONT                             | 140                                       | ŋ  | P/N POSITION                                 | · ·   | ę                | ["  |   |                              |
| É  | A/T SHIFT SELECTOR POWER SUPPLY            | 141                                       | ٨  | SECURITY INDICATOR                           | Ŧ   | á                | 9 9   |   |                              |
| S  | SHIFT P/CLUTCH PEDAL POS SW                | 142                                       | 0  | COMBI SW OUTPUT 5                            |   |                  | 4 2 1 3   | Terminal Color Of                                     | f                            |
| ď  | PASSENGER DOOR REQUEST SW                  | 143                                       | Ь  | COMBI SW OUTPUT 1                            |   |                  | 2 -   | No. Wire  | orginal Name [opecinication] |
| ı  | DRIVER DOOR REQUEST SW                     | 144                                       | O  | COMBI SW OUTPUT 2                            |   |                  |   | 1 GR  | GROUND                       |
| ١Ψ̈́   | BLOWER FAN MOTOR RELAY CONT                | 145                                       | ٦  | COMBI SW OUTPUT 3                            |   |                  |   | 2 P   | BCM                          |
| I۶   | KYLS ENT RECEIVER (FRONT) PWR SUPPLY       | 146                                       | SB   | COMBI SW OUTPUT 4                            | Terming   | erminal Color Of | C. C        | ω   | +111                         |
| ı  | COMBI SW INPUT 1                           | 150                                       | GR   | DRIVER DOOR SW                               | g   | Wire             | olgnai Name [opecification]                     | 4<br>B  | III                          |
| ı  | COMBI SW INPUT 4                           | 151                                       | g  | REAR WINDOW DEFOGGER RELAY CONT              | -   | g                |   |   |                              |
| ıl   | COMBI SW INPUT 2                           |   |  |  | 2   | GR               |   |   |                              |
| ıl   | HAZARD SW                                  |   |  |  | 3   | SB               | -   |   |                              |
|  |  |   |  |  | 4   | В                |   |   |                              |
|  |  |   |  |  | 2   | ~                |   |   |                              |
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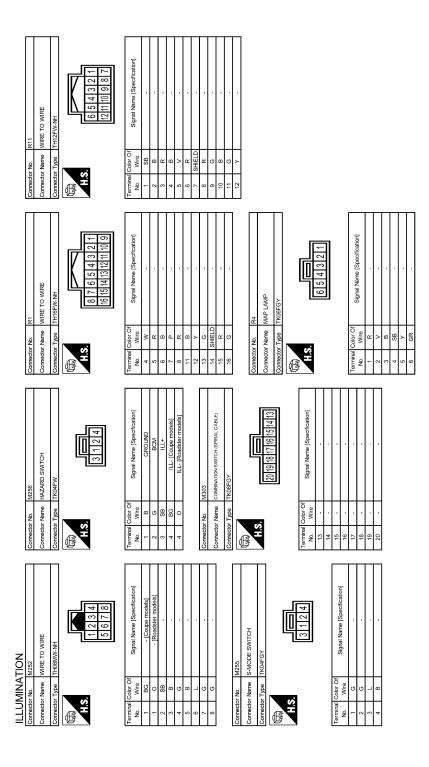
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< BASIC INSPECTION > [COUPE]

# **BASIC INSPECTION**

# DIAGNOSIS AND REPAIR WORK FLOW

Work Flow

**OVERALL SEQUENCE** 

D Inspection start Е 1. Get information for symptom Get the detailed information about symptom from the customer 2. Check DTC Print out DTC and freeze frame data (or, write it down). Check related service bulletines. Symptom is described. Symptom is not described. Symptom is described. DTC is detected. DTC is detected. DTC is not detected. 3. Confirm the symptom 4. Confirm the symptom Try to confirm the symptom described Try to confirm the symptom described by the customer. by the customer. Also study the normal operation and failsafe related to the symptom. 5. Perform DTC CONFIRMATION PROCEDURE 6. Detect malfunctioning system by K SYMPTOM DIAGNOSIS 7. Detect malfunctioning part by Diagnosis Procedure Symptom is INL Symptom is not described. 8. Repair or replace the malfunctioning part Check input/output signal or voltage DTC is 9. Final check Ν Symptom remains. detected. Check that the symptom is not detected. Perform DTC Confirmation Procedure again, and then check that the malfunction is repaired. DTC is not detected. Symptom does not remain. Р INSPECTION END

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### DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION > [COUPE]

# 1.GET INFORMATION FOR SYMPTOM

- 1. Get detailed information from the customer about the symptom (the condition and the environment when the incident/malfunction occurs).
- 2. Check operation condition of the function that is malfunctioning.

>> GO TO 2.

# 2. CHECK DTC

- 1. Check DTC.
- 2. Perform the following procedure if DTC is detected.
- Record DTC and freeze frame data (Print them out using CONSULT.)
- Erase DTC
- Study the relationship between the cause detected by DTC and the symptom described by the customer.
- 3. Check related service bulletins for information.

#### Are any symptoms described and any DTC detected?

Symptom is described, DTC is detected>>GO TO 3.

Symptom is described, DTC is not detected>>GO TO 4.

Symptom is not described, DTC is detected>>GO TO 5.

## 3.CONFIRM THE SYMPTOM

Try to confirm the symptom described by the customer.

Also study the normal operation and fail-safe related to the symptom.

Verify relation between the symptom and the condition when the symptom is detected.

>> GO TO 5.

## 4. CONFIRM THE SYMPTOM

Try to confirm the symptom described by the customer.

Verify relation between the symptom and the condition when the symptom is detected.

>> GO TO 6.

# 5. PERFORM DTC CONFIRMATION PROCEDURE

Perform DTC CONFIRMATION PROCEDURE for the detected DTC, and then check that DTC is detected again. At this time, always connect CONSULT to the vehicle, and check self diagnostic results in real time. If two or more DTCs are detected, refer to DTC INSPECTION PRIORITY CHART, and determine trouble diagnosis order.

#### NOTE:

- Freeze frame data is useful if the DTC is not detected.
- Perform Component Function Check if DTC CONFIRMATION PROCEDURE is not included on Service Manual. This simplified check procedure is an effective alternative though DTC cannot be detected during this check.

If the result of Component Function Check is NG, it is the same as the detection of DTC by DTC CONFIR-MATION PROCEDURE.

### Is DTC detected?

YES >> GO TO 7.

NO >> Check according to GI-44, "Intermittent Incident".

# 6.DETECT MALFUNCTIONING SYSTEM BY SYMPTOM DIAGNOSIS

Detect malfunctioning system according to SYMPTOM DIAGNOSIS based on the confirmed symptom in step 4, and determine the trouble diagnosis order based on possible causes and symptom.

#### Is the symptom described?

YES >> GO TO 7.

NO >> Monitor input data from related sensors or check voltage of related module terminals using CON-SULT.

## 7. DETECT MALFUNCTIONING PART BY DIAGNOSTIC PROCEDURE

DIAGNOSIS AND REPAIR WORK FLOW [COUPE] < BASIC INSPECTION > Inspect according to Diagnostic Procedure of the system. Α Is malfunctioning part detected? YES >> GO TO 8. NO >> Check according to GI-44, "Intermittent Incident". В 8.repair or replace the malfunctioning part Repair or replace the malfunctioning part. Reconnect parts or connectors disconnected during Diagnostic Procedure again after repair and replacement. Check DTC. If DTC is detected, erase it. D >> GO TO 9. 9. FINAL CHECK When DTC is detected in step 2, perform DTC CONFIRMATION PROCEDURE again, and then check that the Е malfunction is repaired securely. When symptom is described by the customer, refer to confirmed symptom in step 3 or 4, and check that the symptom is not detected. F Is DTC detected and does symptom remain? YES-1 >> DTC is detected: GO TO 7. YES-2 >> Symptom remains: GO TO 4. >> Before returning the vehicle to the customer, always erase DTC. NO Н K INL Ν

Revision: 2014 September INL-45 2015 370Z

## INTERIOR ROOM LAMP POWER SUPPLY CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

# DTC/CIRCUIT DIAGNOSIS

## INTERIOR ROOM LAMP POWER SUPPLY CIRCUIT

Description INFOID:000000010837513

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

## Component Function Check

INFOID:0000000010837514

# 1. CHECK INTERIOR ROOM LAMP POWER SUPPLY FUNCTION

### **PCONSULT 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.
- 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 <a href="INL-46">INL-46</a>, "Diagnosis Procedure".

## Diagnosis Procedure

INFOID:0000000010837515

# 1. CHECK INTERIOR ROOM LAMP POWER SUPPLY OUTPUT

#### **PCONSULT ACTIVE TEST**

- Turn the ignition switch ON.
- 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 |                    |  |  |
|-----------|-----------|--------|-----------|--------------------|--|--|
| (-        | +)        | (-)    | rest item | Voltage            |  |  |
| В         | CM        |        | BATTERY   | (Approx.)          |  |  |
| Connector | Terminal  |        | SAVER     |                    |  |  |
|           |           | Ground | Off       | 0 V                |  |  |
| M119      | 4         |        | On        | Battery<br>voltage |  |  |

#### Is the measurement value normal?

YES >> GO TO 2.

NO >> Replace BCM.

# 2.CHECK INTERIOR ROOM LAMP POWER SUPPLY OPEN CIRCUIT

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

## INTERIOR ROOM LAMP POWER SUPPLY CIRCUIT

## < DTC/CIRCUIT DIAGNOSIS >

[COUPE]

| В              | СМ       | Each interio               | or room lan | пр       | Continu- |
|----------------|----------|----------------------------|-------------|----------|----------|
| Connec-<br>tor | Terminal | Connecto                   | r           | Terminal | ity      |
|                |          | Map lamp                   | R4          | 1        |          |
|                |          | Vanity mirror lamp (LH)    | R2          | 2        |          |
| M119           | 4        | Vanity mirror lamp<br>(RH) | R3          | 2        | Existed  |
|                |          | 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.

| В         | СМ       |        | Continuity  |
|-----------|----------|--------|-------------|
| Connector | Terminal | Ground | Continuity  |
| 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.

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### INTERIOR ROOM LAMP CONTROL CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

## INTERIOR ROOM LAMP CONTROL CIRCUIT

Description INFOID.000000010837516

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:0000000010837517

#### **CAUTION:**

Before performing the diagnosis, check that the following is normal.

- Interior room lamp power supply
- Map lamp bulb

# ${f 1}$ .CHECK INTERIOR ROOM LAMP CONTROL FUNCTION

#### (P)CONSULT ACTIVE TEST

- 1. Turn the ignition switch ON.
- 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 dim-

ming

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

YES >> Interior room lamp control circuit is normal.

NO >> Refer to INL-48, "Diagnosis Procedure".

# Diagnosis Procedure

INFOID:0000000010837518

# 1. CHECK INTERIOR ROOM LAMP CONTROL OUTPUT

#### **PCONSULT 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.
- With operating the test item, check continuity between BCM harness connector and the ground.

| В         | СМ       |         | Test item | Continuity  |
|-----------|----------|---------|-----------|-------------|
| Connector | Terminal | Ground  | INT LAMP  | Continuity  |
| M119      | 19       | Giodila | On        | Existed     |
|           | 19       |         | 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.
- Disconnect BCM connector and map lamp connector.
- Check continuity between BCM harness connector and map lamp harness connector.

## INTERIOR ROOM LAMP CONTROL CIRCUIT

## < DTC/CIRCUIT DIAGNOSIS >

[COUPE]

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| В         | CM       | Мар       | lamp     | Continuity |
|-----------|----------|-----------|----------|------------|
| Connector | Terminal | Connector | Terminal | Continuity |
| M119      | 19       | R4        | 2        | Existed    |

### Does continuity exist?

YES >> Replace the map lamp.

NO >> Repair the harnesses or connectors.

# ${f 3.}$ 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.

| В         | СМ       |        | Continuity  |
|-----------|----------|--------|-------------|
| Connector | Terminal | Ground | Continuity  |
| M119      | 19       |        | Not existed |

## Does continuity exist?

YES >> Repair the harnesses or connectors.

NO >> Replace BCM.

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< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

## LUGGAGE ROOM LAMP CIRCUIT

Description INFOID:000000010837519

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

## Component Function Check

INFOID:0000000010837520

#### **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

#### (P)CONSULT 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 <u>INL-50</u>, "<u>Diagnosis Procedure</u>".

## Diagnosis Procedure

INFOID:0000000010837521

## 1. CHECK LUGGAGE ROOM LAMP OUTPUT

### **PCONSULT ACTIVE TEST**

- 1. Turn the ignition switch OFF.
- Remove luggage room lamp bulb.
- Turn the ignition switch ON.
- 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.

| В         | CM       |        | Test item            |             |  |  |
|-----------|----------|--------|----------------------|-------------|--|--|
| Connector | Terminal | Ground | LUGGAGE<br>LAMP TEST | Continuity  |  |  |
| M120      | 30       |        | On                   | Existed     |  |  |
| IVITZO    | 30       |        | 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.
- Disconnect BCM connector and luggage room lamp connector.
- Check continuity between BCM harness connector and luggage room lamp harness connector.

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

#### Does continuity exist?

YES >> Replace the luggage room lamp.

## **LUGGAGE ROOM LAMP CIRCUIT**

#### LUGGAGE RUUW LAWP CIRCUI

[COUPE]

NO >> Repair the harnesses or connectors.

# 3.check luggage room lamp short circuit

1. Turn the ignition switch OFF.

< DTC/CIRCUIT DIAGNOSIS >

- 2. Disconnect BCM connector and luggage room lamp connector.
- 3. Check continuity between BCM harness connector and the ground.

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

### Does continuity exist?

YES >> Repair the harnesses or connectors.

NO >> Replace BCM.

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#### PUSH-BUTTON IGNITION SWITCH ILLUMINATION CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[COUPE]

## PUSH-BUTTON IGNITION SWITCH ILLUMINATION CIRCUIT

Description INFOID:000000010837522

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

## Component Function Check

INFOID:0000000010837523

# 1. CHECK PUSH-BUTTON IGNITION SWITCH ILLUMINATION OPERATION

## **®CONSULT ACTIVE TEST**

- 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-52, "Diagnosis Procedure".

## Diagnosis Procedure

INFOID:0000000010837524

# ${f 1}.$ 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 |
|--|--|
| <ul><li>Ignition switch ON</li><li>Lighting switch 1ST</li></ul>                           | ON                                       |
| <ul><li>Ignition switch OFF</li><li>Lighting switch OFF</li><li>Driver door LOCK</li></ul> | 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

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

| BCM       |          | Push-button ignition switch |   | Continuity |
|-----------|----------|-----------------------------|---|------------|
| Connector | Terminal | Connector Terminal          |   | Continuity |
| 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

### **PCONSULT ACTIVE TEST**

- Turn the ignition switch ON.
- 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.

## **PUSH-BUTTON IGNITION SWITCH ILLUMINATION CIRCUIT**

< DTC/CIRCUIT DIAGNOSIS >

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| Terminals |          |        | Test item |           |  |
|-----------|----------|--------|-----------|-----------|--|
| (+)       |          | (-)    | iest item | Voltage   |  |
| BCM       |          |        | ENGINESW  | (Approx.) |  |
| Connector | Terminal | Ground | ILLUMI    |           |  |
| M123 133  |          | Ground | ON        | 5 V       |  |
| 101123    | 133      |        | 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-b |          | Push-button | ignition switch | Continuity |
|------------|----------|-------------|-----------------|------------|
| Connector  | Terminal | Connector   | Terminal        | Continuity |
| 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

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

#### Does the continuity exist?

YES >> Repair the harness or the connector.

NO >> Replace BCM.

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[COUPE]

# SYMPTOM DIAGNOSIS

# INTERIOR LIGHTING SYSTEM SYMPTOMS

Symptom Table

#### **CAUTION:**

Perform the self-diagnosis with CONSULT 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.  Map lamp  Luggage room lamp  Vanity mirror lamp                       | Harness between BCM and each interior room lamp     BCM  | Interior room lamp power supply circuit Refer to INL-46, "Component Function Check".  |
| Interior room lamp does not turn ON even though the door is open.  (It turns ON when turning the interior room | Harness between BCM and each door switch     Harness between BCM and each                      | Door switch circuit Refer to <u>DLK-89</u> , "Component Function Check".  |
| <ul><li>lamp ON.)</li><li>Interior room lamp does not turn OFF even though the door is closed.</li></ul>       | interior room lamp  • BCM  | Interior room lamp control circuit Refer to INL-48, "Component Func- tion Check".   |
| Interior room lamp timer does not activate. (It turns ON/ OFF when the door opens/closes.)                     | _  | Check the interior room lamp setting. Refer to INL-16, "INT LAMP: CON- SULT Function (BCM - INT LAMP) (Coupe Models)".                        |
| Luggage room lamp does not turn ON. (The bulb is normal.)  | Harness between BCM and back door switch     Harness between BCM and luggage room lamp     BCM | Back door switch circuit Refer to <u>DLK-89</u> , "Component Function Check".   |
| Luggage room lamp does not turn OFF.   |  | Luggage room lamp circuit Refer to INL-50, "Component Func- tion Check".  |
| Push-button ignition switch illumination does not illuminate.  | Harness between BCM and push-<br>button ignition switch     BCM                                | Push-button ignition switch illumination circuit Refer to INL-52, "Component Function Check".   |
| Interior room lamp battery saver does not activate.  | _  | Check the interior room lamp battery saver setting. Refer to INL-18, "BATTERY SAVER: CONSULT Function (BCM - BAT-TERY SAVER) (Coupe Models)". |

[COUPE]

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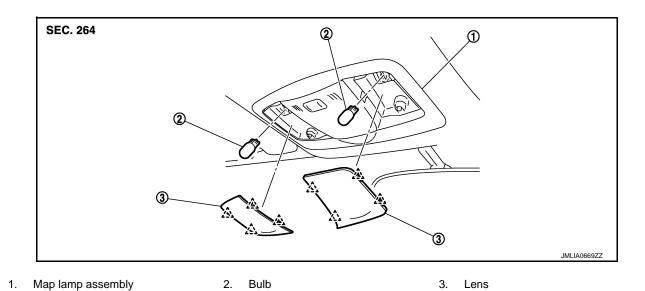
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# REMOVAL AND INSTALLATION

## MAP LAMP

**Exploded View** 



Removal and Installation

: Pawl

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

Replacement INFOID:0000000010837528

#### **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

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

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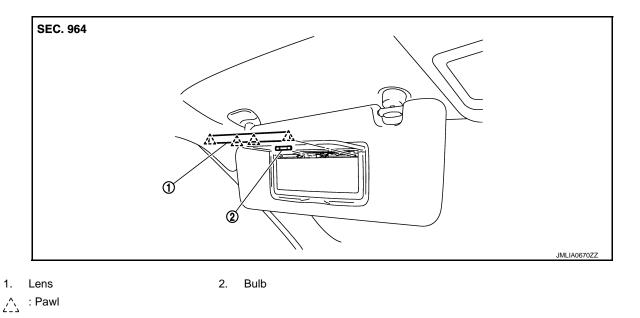
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# VANITY MIRROR LAMP

Exploded View



Replacement INFOID:000000010837530

#### **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.
- Remove the bulb.

[COUPE]

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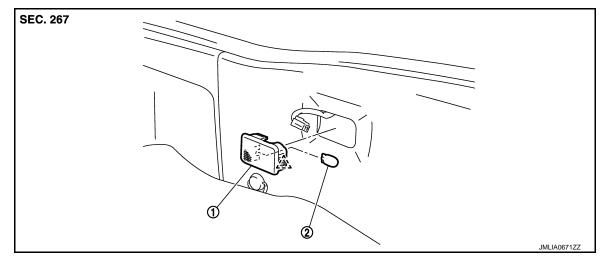
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# LUGGAGE ROOM LAMP

## **Exploded View**



Luggage room lamp assembly

2. Bulb

,^、 : Pawl

### Removal and Installation

INFOID:0000000010837532

#### **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.
- Disconnect the connector.

#### **INSTALLATION**

Install in the reverse order of removal.

Replacement

## **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.

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# SERVICE DATA AND SPECIFICATIONS (SDS)

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[COUPE]

# SERVICE DATA AND SPECIFICATIONS (SDS)

# SERVICE DATA AND SPECIFICATIONS (SDS)

**Bulb Specifications** 

| e (W) |  |  |
|-------|--|--|

INFOID:0000000010837534

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

< PRECAUTION > [ROADSTER]

# **PRECAUTION**

## **PRECAUTIONS**

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

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.

## Precaution for Battery Service

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.

# Precautions For Xenon Headlamp Service

#### **WARNING:**

Comply with the following warnings to prevent any serious accident.

- Disconnect the battery cable (negative terminal) or the power supply fuse before installing, removing, or touching the xenon headlamp (bulb included). The xenon headlamp contains high-voltage generated parts.
- Never work with wet hands.
- Check the xenon headlamp ON-OFF status after assembling it to the vehicle. Never turn the xenon headlamp ON in other conditions. Connect the power supply to the vehicle-side connector. (Turning it ON outside the lamp case may cause fire or visual impairments.)
- Never touch the bulb glass immediately after turning it OFF. It is extremely hot.

#### **CAUTION:**

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

- Install the xenon bulb securely. (Insufficient bulb socket installation may melt the bulb, the connector, the housing, etc. by high-voltage leakage or corona discharge.)
- Never perform HID circuit inspection with a tester.
- Never touch the xenon bulb glass with hands. Never put oil and grease on it.

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### **PRECAUTIONS**

< PRECAUTION > [ROADSTER]

- . Dispose of the used xenon bulb after packing it in thick vinyl without breaking it.
- Never wipe out dirt and contamination with organic solvent (thinner, gasoline, etc.).

## Precautions for Removing Battery Terminal

INFOID:0000000011350214

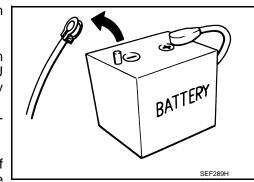
• When removing the 12V battery terminal, turn OFF the ignition switch and wait at least 30 seconds.

#### NOTE:

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

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

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



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

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

# SYSTEM DESCRIPTION

# COMPONENT PARTS INTERIOR ROOM LAMP CONTROL SYSTEM

# INTERIOR ROOM LAMP CONTROL SYSTEM: Component Parts Location

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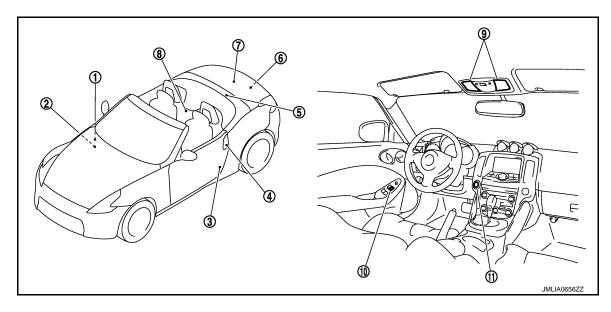
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- Remote keyless entry receiver
   Refer to <u>DLK-213</u>, "Remote Keyless
   Entry Receiver".
- 4. Key cylinder switch
  - · Request switch
- 7. Trunk room lamp
- 10. Door lock and unlock switch

2. BCM

Refer to BCS-10, "Component Parts Location".

- 5. Soft top control unit

  Refer to RF-11, "Component Parts

  Location"
- 8. Cargo area coutesy light
- Push-button ignition switch (Push-button ignition switch illumination)
- . Door switch
- 6. Trunk room lamp switch
- 9. Map lamp

# INTERIOR ROOM LAMP CONTROL SYSTEM: Component Description INFOID:000000010837540

| Part  | Description  |
|---|--|
| ВСМ   | <ul> <li>Activates the interior room lamp timer depending on the vehicle condition to turn the interior room lamp ON/OFF.</li> <li>Turns the trunk room lamp ON /OFF according to the trunk room lamp switch status</li> </ul> |
| Remote keyless entry receiver   | Transmits the lock/unlock signal to BCM.   |
| <ul><li>Door lock and unlock switch</li><li>Key cylinder switch</li></ul>           | Transmits a switch signal by power window switch serial link.  |
| <ul><li>Request switch</li><li>Door switch</li><li>Trunk room lamp switch</li></ul> | Inputs a switch signal to BCM.   |
| Soft top control unit   | Refer to RF-16   |

# INTERIOR ROOM LAMP BATTERY SAVER SYSTEM

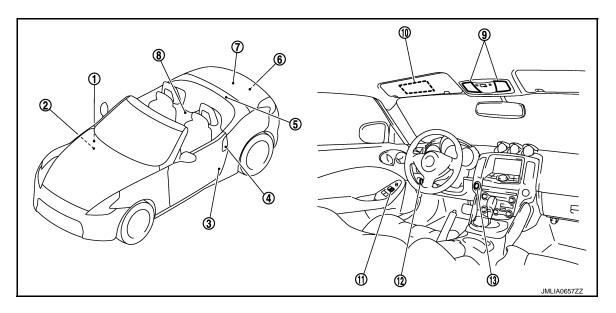
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# INTERIOR ROOM LAMP BATTERY SAVER SYSTEM: Component Parts Location

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- Remote keyless entry receiver Refer to <u>DLK-213</u>, "Remote Keyless <u>Entry Receiver"</u>.
- 4. Key cylinder switch
  - Request switch
- 7. Trunk room lamp
- 10. Vanity mirror lamp
- 13. Push-button ignition switch
- 2. BCM
  Refer to BCS-10, "Component Parts
  Location".
- 5. Soft top control unit
  Rfer to RF-11, "Component Parts Location"
- 8. Cargo area coutesy light
- 11. Door lock and unlock switch
- 11. Door lock and unlock s

- 3. Door switch
- 6. Trunk room lamp switch
- 9. Map lamp
- 12. Key slot

# INTERIOR ROOM LAMP BATTERY SAVER SYSTEM: Component Description

INFOID:0000000010837542

| 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.   |
| <ul><li>Door lock and unlock switch</li><li>Key cylinder switch</li></ul>           | Transmits a switch signal by power window switch serial link.  |
| <ul><li>Request switch</li><li>Door switch</li><li>Trunk room lamp switch</li></ul> | Inputs a switch signal to BCM.   |
| Key slot  | Inputs the key switch status to BCM.   |
| Soft top control unit   | Refer to RF-16   |

## **ILLUMINATION CONTROL SYSTEM**

# ILLUMINATION CONTROL SYSTEM : Component Parts Location

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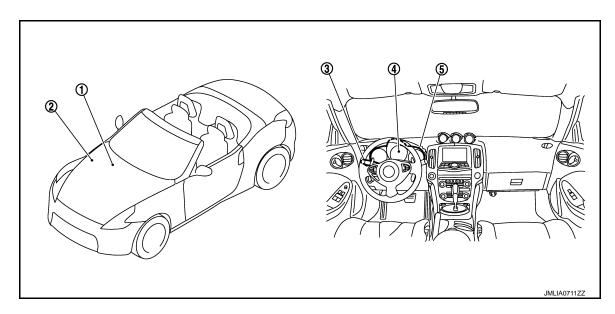
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- BCM
   Refer to BCS-10, "Component Parts
   Location".
- 4. Combination meter
- IPDM E/R
   Refer to PCS-5, "Component Parts
   Location".
- 5. Illumination control switch

3. Combination switch

# ILLUMINATION CONTROL SYSTEM : Component Description

INFOID:0000000010837544

| Part   | Description  |  |  |
|--|--|--|--|
| ВСМ  | <ul> <li>Detects each switch condition by the combination switch reading function.</li> <li>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).     </li> </ul> |  |  |
| IPDM E/R   | Controls the integrated relay according to the request from BCM (with CAN communication).  |  |  |
| Combination meter                                  | <ul> <li>Enters in nighttime mode according to the request from BCM (with CAN communication).</li> <li>Controls the each illumination in the nighttime mode.</li> <li>Refer to MWI-6, "METER SYSTEM: System Description".</li> </ul>   |  |  |
| Combination switch (Lighting & turn signal switch) | Refer to BCS-11, "System Description".   |  |  |

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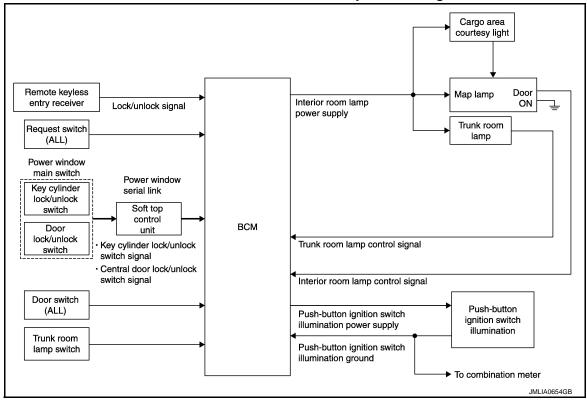
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## SYSTEM

## INTERIOR ROOM LAMP CONTROL SYSTEM

## INTERIOR ROOM LAMP CONTROL SYSTEM: System Diagram

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# INTERIOR ROOM LAMP CONTROL SYSTEM: System Description

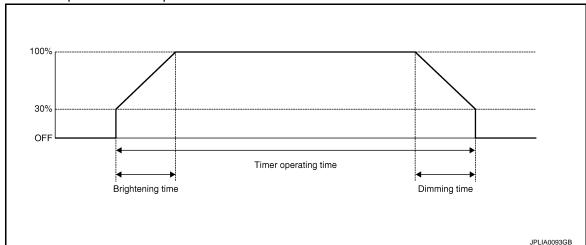
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#### **OUTLINE**

- 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.

### SYSTEM [ROADSTER] < SYSTEM DESCRIPTION > BCM judges the vehicle condition with the following items. It activates the interior room timer. - Ignition switch status Α Door switch signal (ALL) Door lock/unlock signal (Remote keyless entry receiver, each door request switch, key cylinder switch, door lock and unlock switch) В NOTE: Each function of interior room lamp timer can be set by CONSULT. Refer to INL-70, "INT LAMP: CONSULT 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 D 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. Е NOTE: Restart the timer if new condition is input during the timer operating time. Interior Room Lamp OFF Operation F 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. Н 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  $\rightarrow$  LOCK.

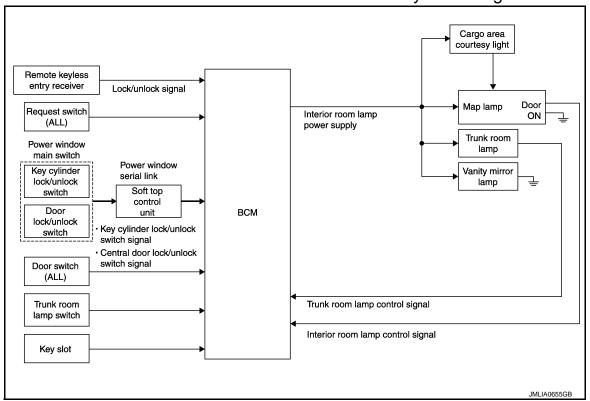
INTERIOR ROOM LAMP BATTERY SAVER SYSTEM

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# INTERIOR ROOM LAMP BATTERY SAVER SYSTEM : System Diagram



## INTERIOR ROOM LAMP BATTERY SAVER SYSTEM: System Description

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#### **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. Refer to <a href="INL-71">INL-71</a>, "BATTERY SAVER: CONSULT Function (BCM - BATTERY SAVER) (Roadster Models)".

### ILLUMINATION CONTROL SYSTEM

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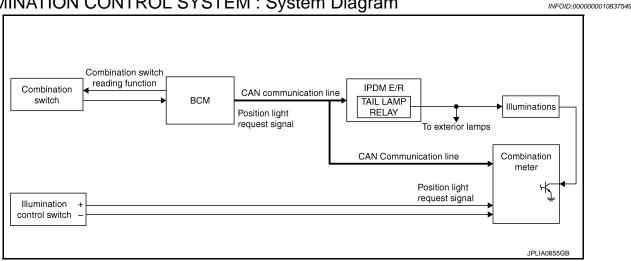
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## ILLUMINATION CONTROL SYSTEM: System Diagram



# ILLUMINATION CONTROL SYSTEM: System Description

INFOID:0000000010837550

#### **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).

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# **DIAGNOSIS SYSTEM (BCM)**

**COMMON ITEM** 

COMMON ITEM: CONSULT Function (BCM - COMMON ITEM)

INFOID:0000000011354474

#### APPLICATION ITEM

CONSULT 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.   |  |  |
| 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            | <ul> <li>Read and save the vehicle specification.</li> <li>Write the vehicle specification when replacing BCM.</li> </ul> |  |  |

#### 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.

x: Applicable item

| System   | Sub system selection item   | Diagnosis mode |              |             |  |
|--|-----------------------------|----------------|--------------|-------------|--|
| System   | Sub system selection item   | 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     Engine start system | INTELLIGENT KEY             | ×              | ×            | ×           |  |
| Combination switch                             | COMB SW                     |                | ×            |             |  |
| Body control system                            | BCM                         | ×              |              |             |  |
| NVIS - 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

## FREEZE FRAME DATA (FFD)

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

<sup>\*:</sup> This item is displayed, but is not used.

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| 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  |   |  |  |
|                     | SLEEP>LOCK      |  | 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" (Except emergency stop operation)                   |  |  |
|                     | CRANK>RUN       |  | While turning power supply position from "CRANKING" to "RUN" (From cranking up the engine to run it)        |  |  |
| RUI                 | 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        | Power supply position status of the moment a   | While turning power supply position from "OFF" to "LOCK"*   |  |  |
| Vehicle Condition   | OFF>ACC         | particular DTC is detected   | 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"*  |  |  |
|                     | OFF             |  | Power supply position is "OFF" (Ignition switch OFF)  |  |  |
|                     | 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          | <ul> <li>The number of times that ignition switch is turned ON after DTC is detected</li> <li>The number is 0 when a malfunction is detected now.</li> <li>The number increases like 1 → 2 → 338 → 39 after returning to the normal condition whenever ignition switch OFF → ON.</li> <li>The number is fixed to 39 until the self-diagnosis results are erased if it is over 39.</li> </ul> |   |  |  |

#### NOTE

\*: Power supply position shifts to "LOCK" from "OFF", when ignition switch is in the OFF position, selector lever is in the P position (A/T models), and any of the following conditions are met.

- · Closing door
- Opening door
- Door is locked using door request switch
- Door is locked using Intelligent Key

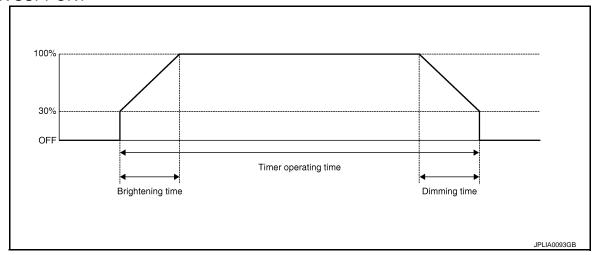
The power supply position shifts to "ACC" when the push-button ignition switch (push switch) is pushed at "LOCK".

INT LAMP

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

INFOID:0000000010837552

### **WORK SUPPORT**



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

<sup>\*:</sup> Factory setting

### **DATA MONITOR**

### NOTE:

The following table includes information (items) inapplicable to this vehicle. For information (items) applicable to this vehicle, refer to CONSULT display items.

| Monitor item<br>[Unit] | Description  |  |
|------------------------|--|--|
| REQ SW-DR<br>[On/Off]  | The switch status input from request switch (driver side)          |  |
| REQ SW-AS<br>[On/Off]  | The switch status input from front request switch (passenger side) |  |

# **DIAGNOSIS SYSTEM (BCM)**

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| Monitor item<br>[Unit]    | Description  |  |
|---------------------------|--|--|
| REQ SW-RR<br>[On/Off]     | NOTE:  |  |
| REQ SW-RL<br>[On/Off]     | The item is indicated, but not monitored.                          |  |
| PUSH SW<br>[On/Off]       | The switch status input from push-button ignition switch           |  |
| ACC RLY-F/B<br>[On/Off]   | NOTE: The item is indicated, but not monitored.                    |  |
| UNLK SEN-DR<br>[On/Off]   | Driver door unlock status input from unlock sensor                 |  |
| KEY SW-SLOT<br>[On/Off]   | Key switch status input from key slot                              |  |
| DOOR SW-DR<br>[On/Off]    | The switch status input from driver side door switch               |  |
| DOOR SW-AS<br>[On/Off]    | The switch status input from passenger side door switch            |  |
| DOOR SW-RR<br>[On/Off]    | NOTE:  |  |
| DOOR SW-RL<br>[On/Off]    | The item is indicated, but not monitored.                          |  |
| DOOR SW-BK<br>[On/Off]    | The switch status input from trunk room lamp switch                |  |
| CDL LOCK SW<br>[On/Off]   | Lock switch status received from the door lock and unlock switch   |  |
| CDL UNLOCK SW<br>[On/Off] | Unlock switch status received from the door lock and unlock switch |  |
| KEY CYL LK-SW<br>[On/Off] | Lock switch status received from key cylinder switch               |  |
| KEY CYL UN-SW<br>[On/Off] | Unlock switch status received from key cylinder switch             |  |
| TRNK/HAT MNTR<br>[On/Off] | NOTE: The item is indicated, but not monitored.                    |  |
| RKE-LOCK<br>[On/Off]      | Lock signal status received from remote keyless entry receiver     |  |
| RKE-UNLOCK<br>[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). |  |  |
| INT LAWIF         | Off       | Stops the interior room lamp control signal to turn map lamp and cargo area courtesy light OFF.  |  |  |
| STEP LAMP TEST    | On        | NOTE:  |  |  |
|                   | Off       | The item is displayed, but cannot be tested.   |  |  |
| 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 Function (BCM - BATTERY SAVER) (Roadster Mod-

els)

### **WORK SUPPORT**

| Service item          | Setting item | Setting     |   |  |
|-----------------------|--------------|-------------|---|--|
| BATTERY SAVER SET     | On*          | With the e  | With the exterior lamp battery saver function                   |  |
| DATTERT SAVER SET     | Off          | Without th  | Without the exterior lamp battery saver function                |  |
| ROOM LAMP BAT SAV SET | On*          | With the in | With the interior room lamp battery saver function              |  |
|                       | Off          | Without th  | Without the interior room lamp battery saver function           |  |
| ROOM LAMP TIMER SET   | MODE 1       | 30 min.     |   |  |
|                       | MODE 2       | 60 min.     | Sets the interior room lamp battery saver timer operating time. |  |
|                       | MODE 3*      | 10 min.     |   |  |

<sup>\*:</sup> Factory setting

## **DATA MONITOR**

#### NOTE:

The following table includes information (items) inapplicable to this vehicle. For information (items) applicable to this vehicle, refer to CONSULT display items.

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

# **DIAGNOSIS SYSTEM (BCM)**

# < SYSTEM DESCRIPTION >

[ROADSTER]

| Monitor item<br>[Unit]    | Description  |
|---------------------------|--|
| KEY CYL UN-SW<br>[On/Off] | Unlock switch status received from key cylinder switch           |
| TRNK/HAT MNTR<br>[On/Off] | NOTE: The item is indicated, but not monitored.                  |
| RKE-LOCK<br>[On/Off]      | Lock signal status received from remote keyless entry receiver   |
| RKE-UNLOCK<br>[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.    |
|               |           | Outputs the interior room lamp power supply to turn interior room lamp ON.* |

<sup>\*:</sup> Each lamp switch is in ON position.

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# **DIAGNOSIS SYSTEM (SOFT TOP CONTROL UNIT)**

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[ROADSTER]

# DIAGNOSIS SYSTEM (SOFT TOP CONTROL UNIT)

## **CONSULT Function**

INFOID:0000000011354475

## **APPLICATION ITEM**

CONSULT 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 operation manual. |

### **SELF-DIAG RESULT**

Refer to RF-40, "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.

| CONSULT display    |            | Description   |
|--------------------|------------|---|
| Item               | Indication | Description   |
| 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.               |

# **DIAGNOSIS SYSTEM (SOFT TOP CONTROL UNIT)**

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| CONSULT display |            | Description  |
|-----------------|------------|--|
| Item            | Indication | Description  |
| 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

## NOTE:

The following table includes information (items) inapplicable to this vehicle. For information (items) applicable to this vehicle, refer to CONSULT display items.

| CONSULT display   |                 | P i di   |
|-------------------|-----------------|--|
| Item              | Indication/Unit | Description  |
| 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.        |

# **DIAGNOSIS SYSTEM (SOFT TOP CONTROL UNIT)**

# < SYSTEM DESCRIPTION >

[ROADSTER]

| CONSULT display  |                 | Description   |  |
|------------------|-----------------|---|--|
| Item             | Indication/Unit | Description   |  |
| 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 display            |            | Description  |  |
|----------------------------|------------|--|--|
| Item                       | Indication | Description  |  |
| ROOF LATCHED LH/RH         | LOCK       | Roof lock assembly performs lock operation.                      |  |
| ROOF LATCHED LH/RH         | UNLOCK     | Roof lock assembly performs unlock operation.                    |  |
| STORAGE LID                | OPEN       | Storage lid performs open operation.                             |  |
| STORAGE LID                | CLOSE      | Storage lid performs close operation.                            |  |
| SOFT TOP SYSTEM            | UP         | Soft top performs close operation.                               |  |
| SOFT TOP STSTEW!           | DOWN       | Soft top performs open operation.                                |  |
| ROOF SYSTEM                | OPEN       | Soft top system performs open operation.                         |  |
| ROOF SYSTEM                | CLOSE      | Soft top system performs close operation.                        |  |
| 5TH BOW SYSTEM             | OPEN       | 1st bow and 5th bow performs fold operation.                     |  |
| SIN BOW STSTEW             | 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.             |  |
| POOF STATE OUTPUT (AUDIO)  | ON         | Full open position signal of roof is transmitted to audio unit.  |  |
| ROOF STATE OUTPUT (AUDIO)  | OFF        | Full close position signal of roof is transmitted to audio unit. |  |
| DOWER WINDOW (LLI/DLI)     | UP         | Power window (LH/RH) performs close operation.                   |  |
| POWER WINDOW (LH/RH)       | DOWN       | Power window (LH/RH) performs open operation.                    |  |
| DEAD WINDOW DEFOCOED       | ON         | Rear window defogger performs ON operation.                      |  |
| REAR WINDOW DEFOGGER       | OFF        | Rear window defogger performs OFF operation.                     |  |

[ROADSTER]

# DIAGNOSIS SYSTEM (METER)

# **Diagnosis Description**

#### INFOID:0000000011354476

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### **SELF-DIAGNOSIS MODE**

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

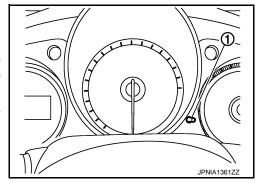
### **OPERATION PROCEDURE**

- Turn ignition switch OFF.
- While pressing the trip reset switch (1), turn ignition switch ON.
- 3. Make sure that the trip meter displays "0000.0".

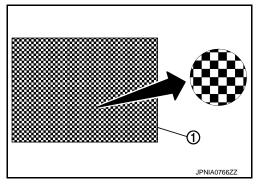
### NOTE:

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".)

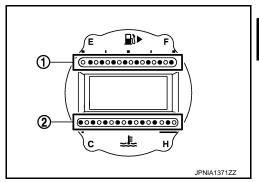
Press the trip reset switch at least 3 times. (Within 7 seconds after the ignition switch is turned ON.)



- 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).

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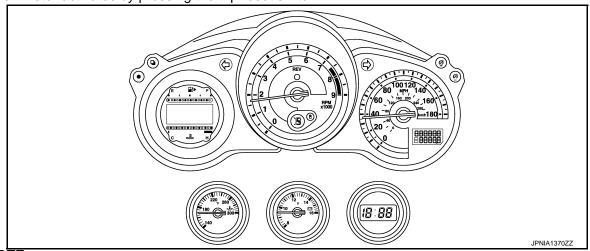
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6. Each meter activates by pressing the trip reset switch.



### NOTE:

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

# CONSULT Function (METER/M&A)

INFOID:0000000011354477

### **CONSULT APPLICATION ITEMS**

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

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

## SELF DIAG RESULT

Refer to MWI-77, "DTC Index".

### **DATA MONITOR**

### NOTE:

The following table includes information (items) inapplicable to this vehicle. For information (items) applicable to this vehicle, refer to CONSULT display items.

Display Item List

X: Applicable

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

# **DIAGNOSIS SYSTEM (METER)**

< SYSTEM DESCRIPTION >

[ROADSTER]

| Display item [Unit]  | MAIN<br>SIGNALS | Description   |
|--|-----------------|---|
| W TEMP METER<br>[°C]   | Х               | Value of engine coolant temperature signal is received from ECM via CAN communication.  NOTE:  215 is displayed when the malfunction signal is input.   |
| ABS W/L<br>[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<br>[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<br>[On/Off]   |                 | Status of VDC warning lamp detected from VDC warning lamp signal received from ABS actuator and electric unit (control unit) via CAN communication.   |
| BRAKE W/L<br>[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.  NOTE:  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<br>[On/Off]   |                 | Status of door warning detected from door switch signal received from BCM via CAN communication.  |
| TRUNK/GLAS-H<br>[Off]  |                 | This item is displayed, but cannot be monitored.  |
| HI-BEAM IND<br>[On/Off]  |                 | Status of high beam indicator lamp detected from high beam request signal is received from BCM via CAN communication.   |
| TURN IND<br>[On/Off]   |                 | Status of turn indicator lamp detected from turn indicator signal is received from BCM via CAN communication.   |
| RR FOG IND<br>[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<br>[On/Off]  |                 | Status of light indicator lamp detected from position light request signal is received from BCM via CAN communication.  |
| OIL W/L<br>[On/Off]  |                 | Status of oil pressure warning lamp detected from oil pressure switch signal is received from BCM via CAN communication.  |
| MIL<br>[On/Off]  |                 | Status of malfunction indicator lamp detected from malfunctioning indicator lamp signal is received from ECM via CAN communication.   |
| CRUISE IND<br>[On/Off]   |                 | Status of CRUISE indicator lamp detected from CRUISE indicator lamp signal is received from ECM via CAN communication.  |
| SET IND<br>[Off]   |                 | This item is displayed, but cannot be monitored.  |
| ATC/T-AMT W/L<br>[On/Off]  |                 | A/T CHECK indicator lamp status judged by the transmission check warning lamp signal received from TCM via CAN communication.   |
| FUEL W/L<br>[On/Off]   |                 | Low-fuel warning lamp status detected by the identified fuel level.   |
| WASHER W/L<br>[On/Off]   |                 | Status of washer warning lamp judged from washer level switch input to combination meter.   |
| AIR PRES W/L<br>[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<br>[On/Off]  |                 | Status of key warning lamp (yellow) detected from key warning signal is received from BCM via CAN communication.  |
| MT SYNC REV IND<br>[On/Off]  |                 | Status of S-MODE indicator judged from S-MODE indicator signal received from ECM with CAN communication line.   |
| 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,<br>ROTAT, SFT P, INSRT, BATT, NO<br>KY, OUTKY, LK WN] |                 | Displays status of Intelligent Key system warning detected from meter display signal is received from BCM via CAN communication.  |

| Display item [Unit]   | MAIN<br>SIGNALS | Description  |
|---|-----------------|--|
| SHIFT IND<br>[P, R, N, D, L, M1, M2, M3, M4, M5,<br>M6, M7] |                 | <ul> <li>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)</li> <li>Status of shift position indicator detected from shift position signal is received from ECM via CAN communication. (with SynchroRev Match mode models)</li> </ul> |
| 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.  |
| SYNC MODE<br>[On/Off]                                       |                 | This item is displayed, but cannot be monitored.   |
| 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.  |
| 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 [°C or °F]                                     |                 | Ambient air temperature value converted from ambient sensor signal received from ambient sensor.  NOTE:  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.  |
| BUZZER<br>[On/Off]  | Х               | 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.

## WARNING HISTORY

- Stores histories when warning/indicator lamp is turned on.
- "Warning History" indicates the "TIME" when the warning/ indicator lamp is turned on.

# **DIAGNOSIS SYSTEM (METER)**

## < SYSTEM DESCRIPTION >

[ROADSTER]

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- 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 Warning History: Stores NO (0) turning on history of warning/indicator lamp.

### NOTE:

- Warning 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 VDC warning lamp.               |  |
| BRAKE W/L     | Lighting history of brake warning lamp.             |  |
| DOOR W/L      | Lighting history of door warning.                   |  |
| OIL W/L       | Lighting history of oil pressure warning lamp.      |  |
| C-ENG W/L     | Lighting history of malfunction indicator lamp.     |  |
| CRUISE IND    | Lighting history of CRUISE indicator lamp.          |  |
| ATC/T-AMT W/L | Lighting history of A/T CHECK indicator lamp.       |  |
| FUEL W/L      | Lighting history of low fuel level warning.         |  |
| 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).      |  |

### NOTE:

In items displayed on the CONSULT screen, only those listed in the above table are used.

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# BCM, COMBINATION METER, SOFT TOP CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

[ROADSTER]

# **ECU DIAGNOSIS INFORMATION**

# BCM, COMBINATION METER, SOFT TOP CONTROL UNIT

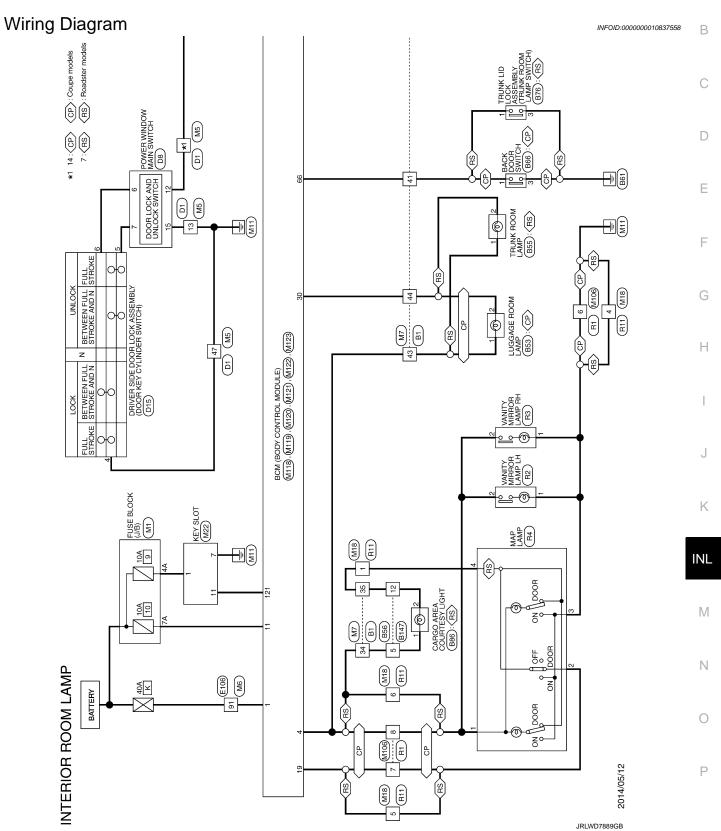
List of ECU Reference

INFOID:0000000010837557

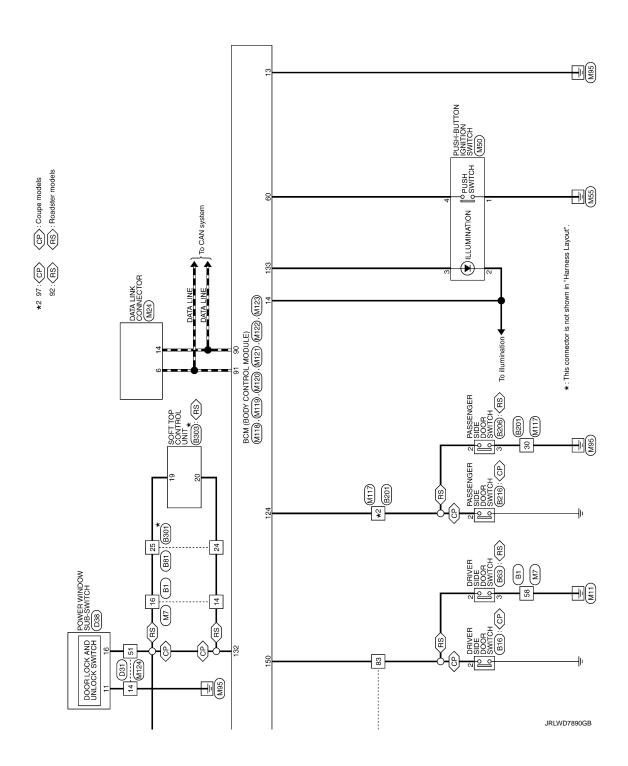
| ECU                   | Reference                               |
|-----------------------|---|
|                       | BCS-58, "Reference Value"               |
| BCM                   | BCS-97, "Fail-safe"                     |
| BCIVI                 | BCS-98, "DTC Inspection Priority Chart" |
|                       | BCS-99, "DTC Index"                     |
|                       | MWI-57, "Reference Value"               |
| COMBINATION METER     | MWI-76, "Fail-Safe"                     |
|                       | MWI-77, "DTC Index"                     |
|                       | RF-31, "Reference Value"                |
| SOFT TOP CONTROL UNIT | RF-38, "Fail-safe"                      |
| SOFT TOP CONTROL UNIT | RF-39, "DTC Inspection Priority Chart"  |
|                       | RF-40, "DTC Index"                      |

# WIRING DIAGRAM

# INTERIOR ROOM LAMP CONTROL SYSTEM



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|                                | INTERIOR ROOM LAMP                      |       | -           |                                       |   | - 1  |
|--------------------------------|---|-------|-------------|---------------------------------------|---|--|
| Connector No.                  | B1                                      | 45    | ة ات        |                                       | Connector No. B16                             | Connector No. B55                            |
| Connector Name                 | ne WIRE TO WIRE                         | 24 44 | £ ~         | Y.                                    | Connector Name DRIVER SIDE DOOR SWITCH        | Connector Name TRUNK ROOM LAMP               |
| Connector Type                 | e TH80FW-CS16-TM4                       | 45    | - BB        |                                       | Connector Type A03FW                          | Connector Type S02FW                         |
| ֓֞֜֞֜֜֜֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֡֜֟ |   | 46    | SB          | 3 - [Roadster models]                 |   |  |
| F                              |   | 46    | SHIELD      | - [Coupe models]                      | K C   |  |
| Ě                              | - 00 b                                  | 47    |             |                                       | V   |  |
|                                | 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 | 84    | SHELD       |                                       |   |  |
|                                | 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 51    | ≥ (         |                                       | 7   | c  |
|                                |   | 25    | ב ע         |                                       |   | 7  |
|                                |   | 28 6  | 9           |                                       | ]   | ]  |
| Terminal Color Of              |   | 9     | >           |                                       | Terminal Color Of Signal Name (Specification) | Terminal Color Of Signal Manual Constitution |
| No. Wir                        |   | 19    | SB          |                                       | No. Wire Signal Name [Specification]          | No. Wire Signal Name (Specification)         |
| -<br>G                         |   | 62    | SHELD       | - ari                                 | 2 GR -  | +  |
| 2 BG                           |   | 63    | æ           |                                       |   | 2 R -  |
| +                              |   | 8     | <b>&gt;</b> |                                       |   |  |
| +                              |   | 65    | 뚨 '         | י                                     | Connector No. B53                             |  |
| > 0                            |   | 200   | -           |                                       | Connector Name LUGGAGE ROOM LAMP              | COLLINGUE INC. BOO                           |
| +                              |   | 89    | 1           | -                                     | Connector Type C.102EGY                       | Connector Name WIRE TO WIRE                  |
| 8S 6                           |   | 69    | œ           |                                       | 1   | Connector Type NS12MW-CS                     |
| Н                              |   | 70    | 9           |                                       |   |  |
| Н                              |   | 71    | >           |                                       | v   |  |
| 13 BR                          |   | 72    | ۵ 5         |                                       | 40  | 123 145                                      |
| +                              |   | 2     | ž (         |                                       | 7   |  |
| +                              |   | 4     | 5 8         | · · · · · · · · · · · · · · · · · · · |   | 6 7 8 9 10 11 12                             |
| +                              |   | 2 6   | 2 >         |                                       |   |  |
| +                              |   | 3 2   | - 0         |                                       |   |  |
| +                              |   | 6     | 1"          |                                       | No Wine Signal Name [Specification]           |  |
| 2 2                            |   | 8     | 9 8         |                                       | - BR  | No. Wire Signal Name [Specification]         |
| ╁                              |   | 8     | c           | - [Coune models]                      | - C   | 4 BR .                                       |
| ┿                              |   | 2     | -           | - [Roadster models]                   |   | t  |
| 24 BG                          | -                                       | 82    | 9           |                                       |   | ╀  |
| 25 L                           |   | 98    |             |                                       |   | 10 LG .                                      |
| $\dashv$                       | -                                       | 87    | æ           |                                       |   | 4  |
| Т                              |   | 88    | GR          |                                       |   | 12 B -                                       |
| S                              | 07                                      | 83    | ≻           |                                       |   |  |
| +                              |   | 8     | ပ           |                                       |   |  |
| 32 B                           |   | 8     | 1           |                                       |   |  |
| +                              |   | 95    | R.          |                                       |   |  |
| 4                              | - [Roadster models]                     | 92    | ମ           | - [Roadster models]                   |   |  |
| +                              |   | 96    | 7           |                                       |   |  |
| S 5                            | - [Koadster models]                     | 6     | 1           |                                       |   |  |
| 4                              |   | 8     | \$          |                                       |   |  |
| 9 S                            |   | 8 8   | 9/.         | B - [Koadster models]                 |   |  |
| 40                             |   | 88    | 2 0         |                                       |   |  |
| 41 L                           |   | 100   | _           |                                       |   |  |

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| Connector No. 18201  Connector Name WIFE TO WIFE  Connector Type TH80FW.CS16.TM4        | Perminal Color Of   Signal Name (Specification)     No. Wire   Perminal Color Of     No. Wire   Perminal Color Of     2 | 441 V  |
|---|---|--|
| Corrector No. B86 Corrector Name CARGO AREA COURTESY LIGHT Corrector Type S02FW         | Terminal Color Of   Signal Name [Specification]   Name   Specification   1  | Terminal Color Of   Signal Name [Specification]   No. Wive   Wive   Signal Name [Specification]   A   Sign |
| Corrector No. B76 Corrector Name TRUNK LID LOCK ASSEMBLY Corrector Type NS03PW-CS  H.S. | Terminal Color Of   Signal Name [Specification]   1   | Specific   |
| INTERIOR ROOM LAMP Corrector Name ORIVER SIDE DOOR SWITCH Corrector Type AGSFW          | Termical Color Of Signal Name [Specification]  No. Wire 2 GR  | Terminal Color Of   Signal Name (Specification)   No.  |

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| 띪H  | Connector No. B216                            | Connector No. B303   | a e               | Signal Name [Specification] |  |
|---|---|--|-------------------|-----------------------------|--|
|   | Connector Name PASSENGER SIDE DOOR SWITCH     | Connector Name SOFT TOP CONTROL UNIT   | No.               |                             |  |
| 7 69                                      | ANDERSON T. CO.                               | E CONTRACTOR OF THE CONTRACTOR | > >               |                             |  |
| 71 B - [Boadster models]                  | adol Japa                                     |  | 0 0               |                             |  |
| - Coupe                                   |   |  | t                 |                             |  |
|   |   |  | ┝                 | - [With BOSE system]        |  |
| Ь   |   | Maladeletizate selval population of 1  | ۱۱ ۷              | - [Without BOSE system]     |  |
| - [Conbe                                  | 2   |  | 12 L              | •                           |  |
| 73 P - [Roadster models]                  | Γ   |  | 13 B              |                             |  |
| $\dashv$                                  | ]   |  | 14 SB             | - [Coupe models]            |  |
| 75 B -                                    |   |  | 14 Y              | - [Roadster models]         |  |
| - [Conbe                                  | Terminal Color Of Signal Name (Specification) | nal  | 15 W              |                             |  |
| 76 W - [Roadster models]                  |   | No. Wire oigner rearing topecation   | 7 Y               | 1                           |  |
| - M 27                                    | 2 LG .  | SENSC  | 23 Y/B            |                             |  |
|   |   | 3 DG ROOF STRIKER SENSOR RH  | 25 R              | •                           |  |
| SB  |   | 4 W ROOF STRIKER SENSOR LH   | 26 SHIELD         |                             |  |
| 93 V - [Coupe models]                     | Connector No. B301                            | >  | 35<br>G           | 1                           |  |
| W   | Connector Name WIRE TO WIRE                   | SB POWE  | $\dashv$          |                             |  |
| ╗   | $\neg$  | 10 O TRUNK LID OPEN SIGNAL   | $\dashv$          |                             |  |
| SHIELD                                    | Connector Type TH40MW-NH                      | œ  | 48 SB             |                             |  |
| GR - [Coupe                               | 4   | SB   | 49 W              | -                           |  |
| Pl  | 修   | 14 L ROOF OPEN / CLOSE SWITCH (CLOSE)  | 20 LG             | •                           |  |
| - [Coupe                                  |   | 15 LG ROOF OPEN / CLOSE SWITCH (OPEN)  | 51 R              |                             |  |
| 97 Y - [Roadster models]                  | C. E.   | 16 V TRUNK ROOM LAMP SWITCH  | 25 ^              | 1                           |  |
| 98 W - [Coupe models]                     | 0.2 8 10 11 10 10 10 10 10 10 10 10 10 10 10  | BG   | 53 BG             |                             |  |
| 98 Y/B - [Roadster models]                | 00 00 00 00 00 00 00 00 00 00 00 00 00        | 18 P CAN-L   | 54 GR             | •                           |  |
| - 9                                       |   | 19 LG LOCAL COMMUNICATION (POWER WINDOW)   | Н                 | -                           |  |
| BR - [Coupe r                             |   | 20 V LOCAL COMMUNICATION (BCM)   |                   |                             |  |
| 100 Y - [Roadster models]                 | la<br>La                                      | BR SENSOR POWER SU   |                   |                             |  |
|   | Wire  | 1  | Connector No.     | 9Q                          |  |
|   | -   | 35 P ROOF OPEN / CLOSE SWITCH (GND)  | Connector Name    | POWER WINDOW MAIN SWITCH    |  |
| Connector No. B206                        | 5 L   |  | Т                 |                             |  |
| Connector Name PASSENGER SIDE DOOR SWITCH | +   | ſ  | Connector Type    | NS16FW-CS                   |  |
|   | . 0 8   | Connector No. D1   | ģ                 |                             |  |
| Connector Type A03FW                      | +   | Connector Name WIRE TO WIRE  | 厚                 |                             |  |
|   | +   | ┰  | S II              | 1 4 7 5 6 7                 |  |
| (学)                                       | +   | Connector Type   TH40FW-CS15   |                   | ]                           |  |
| Ŧ.  | +   | á  |                   | 8 9 10 11 12 13 14 15       |  |
|   | 17 DG .                                       |  |                   | 11                          |  |
| 2   | 24 V  | <u></u>  |                   |                             |  |
| 1   |   | 15 14 13 12 11 10 9 8 7 8 5 4 3 2 1  |                   |                             |  |
| 33  | 31 BG   | De fer be for for leafing being a few best of the few few best few for the few few few few few few few few few fe  | Terminal Color Of | 9                           |  |
| ]   | ┝   | 14 C 20 20 C 1 C 2 C 2 C 2 C 2 C 2 C 2 C 2 C 2 C 2   |                   | Signal Name [Specification] |  |
| Terminal Color Of                         | ╀   |  | t                 |                             |  |
| No. Wire Signal Name [Specification]      | +   |  | - 4               |                             |  |
| t   | 1   |  | Ë                 |                             |  |
| $^{+}$                                    |   |  | $^{+}$            |                             |  |
| +   |   |  | $^{+}$            | •                           |  |
|   |   |  | +                 |                             |  |
|   |   |  | 8                 |                             |  |
|   |   |  |                   |                             |  |
|   |   |  |                   |                             |  |
|   |   |  |                   |                             |  |
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| INTERIOR ROOM LAMP   | -                                    |                                |  | 8              | _                                | ſ |
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| . 9]   | _                                    | Connector No. E106             |  | 82             |                                  | T |
| 10 Y -   | +                                    | Connector Name WIRE TO WIRE    | WIRE   | 83             | ^                                |   |
| 88   | $\dashv$                             |                                |  | +              |                                  |   |
|  | +                                    | Connector Type TH80FW-CS16-TM4 | CS16-TM4                                       | +              | BG -                             |   |
| Y - [Roadster models]  | $\dashv$                             |                                |  | $\dashv$       |                                  |   |
|  | 23 Y/B                               |                                |  | 87             |                                  |   |
| - 9  | 25 R -                               | 9                              | 00 10 10 10 10 10 10 10 10 10 10 10 10 1       | 88             |                                  |   |
|  | 26 SHIELD -                          | e i                            | 2  | 91             |                                  |   |
|  | 35 G                                 |                                |  | 95             |                                  | Γ |
|  | ┝                                    |                                | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0          | 93             |                                  |   |
| Connector No. D15  | . √                                  |                                |  | 8              |                                  |   |
|  | - × 19                               | _                              |  | H              |                                  |   |
| Connector Name DRIVER SIDE DOOR LOCK ASSEMBLY                        | 52 G                                 | Terminal Color Of              |  | H              | BR                               |   |
| Connector Type E06FGY-RS   | $\vdash$                             |                                | Signal Name [Specification]                    | ┝              | GR                               |   |
|  | H                                    | >                              |  | H              | 10                               |   |
|  |                                      | 3                              |  | ┝              | BB                               |   |
|  |                                      | 4                              |  |                |                                  |   |
|  |                                      | 7 B                            | -  |                |                                  |   |
| ((123456))   | Connector No. D38                    | 8 P                            |  | Connector No.  | o. M1                            |   |
|  | HOTIMO SI IS WOODING BUILDING STATES | 8 6                            |  | Connector Name | (B/I / NOO IS IS IS IS           |   |
|  |                                      | 11 V                           | -  |                |                                  |   |
|  | Connector Type NS16FW-CS             | 12 R                           |  | Connector Type | rpe NS06FW-M2                    |   |
| Terminal Color Of Signal Name (Specification)                        | 4                                    | 13 L                           | -  | 4              |                                  |   |
|  |                                      | 14 GR                          |  | ほ              |                                  |   |
| BG -   | 2                                    | 15 P                           | _  | Į              | 30                               |   |
| · ·  | 1<br>+                               | $\dashv$                       |  | 2              | W1 W7                            |   |
| SB .   | 8 9 10 11 12 14 15 16                | +                              |  |                | 8A 7A 6A 5A 4A                   |   |
|  |                                      | +                              |  |                |                                  |   |
| >  |                                      | +                              | - [Conpe models]                               |                |                                  |   |
| GR I   |                                      | 21 6                           | - (Roadster models)                            |                |                                  | Ī |
|  | Signal Name [Specification]          | 31   [                         |  | No No          | Wire Signal Name [Specification] |   |
| Connector No D31   | $^{+}$                               | 35 ×                           |  | $^{+}$         | 2 >                              |   |
|  | F                                    | ╀                              |  | 2A             | 9                                |   |
| Connector Name   WIRE TO WIRE  | H                                    | 88                             |  | 3A             | -                                |   |
| Connector Type TH40FW-CS15   | BR 8                                 | ┞                              |  | 44             |                                  |   |
| 1  | ┝                                    | ╀                              |  | 5A             | -                                | Γ |
|  | ╀                                    | ╁                              |  | 6A             | ·                                |   |
|  | 2 2                                  | ╀                              |  | ╀              | . 88                             | Γ |
| 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1                                  | $^{+}$                               | $^{+}$                         |  | +              |                                  |   |
| and refutively and advantaged and                                    | +                                    | 9                              |  | 8A             |                                  | 7 |
| 565 450 5051 504 404 40 40 40 10 10 10 10 10 10 10 10 10 10 10 10 10 | _                                    | GR                             | [Except for roadster models with M/T]          |                |                                  |   |
| Щ  | 16 Y                                 | œ                              | <ul> <li>[Roadster models with M/T]</li> </ul> |                |                                  |   |
|  |                                      | 45 BG                          | ,  |                |                                  |   |
|  |                                      | 46 W                           |  |                |                                  |   |
| Terminal Color Of Signal Name (Specification)                        |                                      | 47 P                           | -  |                |                                  |   |
|  |                                      | 58 SHIELD                      |  |                |                                  |   |
|  |                                      | 29 r                           |  |                |                                  |   |
|  |                                      | 4                              |  |                |                                  |   |
| LG - [Without BOSE system]   |                                      | $\dashv$                       |  |                |                                  |   |
| P - [With BOSE system]   |                                      | 81 P                           |  |                |                                  |   |
|  |                                      |                                |  |                |                                  |   |

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# INTERIOR ROOM LAMP CONTROL SYSTEM

< WIRING DIAGRAM > [ROADSTER]

| 9   | 43 R R   |
|---|--|
|   | Signal Name    |
| Connector No. Mis Connector Name WIRE TO WIRE Connector Type Theony.CS:6-TM4  H.S. I I I I I I I I I I I I I I I I I I  | Terminal Color Of Myror Signal Name (Specification)   1 Y Y   1 Y Y   1 Y Y   1 Y Y   1 Y Y   1 Y Y   1 Y Y   1 Y Y   1 Y Y   1 Y Y   1 Y Y   1 Y Y   1 Y Y   1 Y Y   1 Y Y   1 Y Y   1 Y Y Y Y  |
| Connector No. M/S  Connector Name WIRE TO WIRE  Connector Type TTH40MW-CS15  [12] 4   5   6   7   8   9   10   11   13   4   15    [13] 4   5   6   7   8   9   10   11   13   4   15    [14] 5   7   8   9   10   11   13   4   15    [15] 6   7   8   9   10   11   13   4   15    [16] 7   8   9   10   11   13   4   15    [17] 8   8   8   8   8   8   8   8   8   8 | Terminal Color Of   Signal Name [Specification]   No.   Wire   Signal Name [Specification]   No.   N |

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Revision: 2014 September

| IN LEKIOK KOOM LAMP                           | Connector No. M22                     | Connector No. M50                           | Connector No.     | M117                                     |
|---|---------------------------------------|---|-------------------|--|
| ⊢   | l                                     |   | l                 |  |
| ⊢   | Connector Name   KEY SLOI             | Connector Name PUSH-BULLON IGNITION SWILLCH | Connector Name W  | WIRE TO WIRE                             |
| SB  | Connector Type TH12FW-NH              | Connector Type TK08FBR                      | Connector Type T  | TH80MW-CS16-TM4                          |
| Н   | Q                                     | á   | Q                 |  |
| M.  | 厚                                     | [E]   | 厚                 | का                                       |
|   |                                       | 1 2 3                                       | S II              | 30                                       |
| 4   | 123 56                                | ]   |                   | 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8    |
| > {   | ) \{                                  | 4 5 6 7 8                                   |                   | 8 18 18 18 18 18 18 18 18 18 18 18 18 18 |
| BG - [Coupe models]                           |                                       |   |                   | 88 8                                     |
| 8/\8<br>.*                                    |                                       |   |                   |  |
| M =   |                                       |   |                   | ]  |
| 4   | Signal Name [Specification]           | Signal Name [Specification]                 | lerminal Color Of | Signal Name [Specification]              |
|   | NO. WIFE                              | W. Wile                                     | NO. WITE          | - Couna modale                           |
| Consector No M18                              |                                       |   | +                 | - [Roadstar models]                      |
|   | š ×                                   | ł   | +                 | - [Roadster models]                      |
| Connector Name   WIRE TO WIRE                 |                                       | 4 BR  | H                 | - [Coupe models]                         |
| Connector Type TH12MW-NH                      | 9 171                                 | 5 GR -                                      | 4<br>W            |  |
|   | 7 B GROUND                            | - A 9                                       | 2 LG              | - [Coupe models]                         |
|   | 11 R KEY SWITCH SIGNAL                | 7 V 7                                       | 7 Y               | <ul> <li>[Roadster models]</li> </ul>    |
|   |                                       | 8 P   | 8 ICG             |  |
| 10345   |                                       |   | . ∠ 6             |  |
| ><br>-  | Connector No. M24                     |   | 11                |  |
| 7 8 9 10 11 12                                | Connector Name DATA LINK CONNECTOR    | Connector No. M106                          |                   | •  |
|   |                                       | Connector Name   WIRE TO WIRE               | $\dashv$          |  |
|   | Connector Type BD16FW                 |   | +                 |  |
| Terminal Color Of Signal Name (Specification) | á                                     | Connector Type TH16MW-NH                    | 40 0              |  |
| ,   |                                       | 1   | +                 |  |
|   | 1191 14 16 1                          | 香   | 42 G              | 1  |
|   |                                       |   | +                 | ,  |
|   | 3 4 5 6 7 8                           | 1 2 3 4 5 6 7 8                             | +                 |  |
| no c  |                                       | į   | +                 |  |
| · ·   |                                       | 41 CT 71 11 N                               | 20 00 00          |  |
|   | Torminal Color Of                     |   | S 2               |  |
| 2   |                                       | Terminal Color Of                           | +                 |  |
|   | 3 LG - [Coupe models]                 | No. Wire Signal Name [Specification]        | S6 SHIELD         |  |
| ď   | ľ                                     | . w   | T                 | - [Coune models]                         |
|   | 4 B                                   | : X   | 57 P              | - [Roadster models]                      |
| >   | a                                     | 9   | - 03              | [Dondetor modole]                        |
|   | +                                     | +   | 3 8 8             | - [Count models]                         |
|   | · · · · · · · · · · · · · · · · · · · |   | ╀                 | (  |
|   | 9                                     | $\vdash$                                    | ┝                 | T.                                       |
|   | 11 LG - [Roadster models]             | 12 G  | 61 GR             |  |
|   |                                       | 13 Y  | $\vdash$          |  |
|   | 14 P                                  | 14 SHIELD -                                 | H                 |  |
|   | 16 Y                                  | 15 R  | 64<br>L           |  |
|   |                                       | H   | 92                | 1  |
|   |                                       | ł   | ł                 |  |

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| ;                  | 8                     | œ  | GR KYLS EN | 17 BR COMBLSW INPUT 5        | 88 V COMBLSW INPUT 3 | 00 P CAN-L | 1 CAN-H | LG KE    | $\vdash$                               | 55 O ACC RELAY CONT | 96 Y A/T SHIFT SELECTOR POWER SUPPLY | 99 R SHIFT P/CLUTCH PEDAL POS SW | 100 GR PASSENGER DOOR REQUEST SW                  | <b>\</b>                           | 102 O BLOWER FAN MOTOR RELAY CONT   | LG KYLS ENT               | PC                 | œ                  | \<br>\                      | 10 P HAZARD SW |              | 10000                                    | CONTRECTOR IND.                  | Connector Name BCM (BODY CONTROL MODULE)                        | Connector Type TH40FG-NH |                    | ¥\$                                      | (3) (2) (3) (4) (4) (4) (4) (5) (5) (5) (4) (6) (6) (6) (6) (6) (6) (6) (6) (6) (6 |                         |      | lar<br>C                                   | Wire                                      | 0   | 114 R CLUTCH INTERLOCK SW | Ŧ.                | ۵                                    | SB DRD                               | 21 R KEY SLOT SW                          | 23 W IGNE/B                   | 124 LG PASSENGER DOOR SW            | 129 O TRUNK LID OPENER CANCEL SW | 30 L REAR DEFOGGER SW               | >             | >             | 33 G PUSH BUTTON IGNITION SW ILL POWER |
|--------------------|-----------------------|--|------------|------------------------------|----------------------|------------|---------|----------|--|---------------------|--------------------------------------|----------------------------------|---|------------------------------------|-------------------------------------|---------------------------|--------------------|--------------------|-----------------------------|----------------|--------------|--|----------------------------------|---|--------------------------|--------------------|--|--|-------------------------|------|--|---|-----|---------------------------|-------------------|--------------------------------------|--------------------------------------|---|-------------------------------|-------------------------------------|----------------------------------|-------------------------------------|---------------|---------------|--|
|                    | Connector No. M121 81 | Connector Name BCM (BODY CONTROL MODULE) |            | Connector Type TH40FGY-NH 87 | 88                   | 6          |         | 92       | 88 88 88 88 88 88 88 88 88 88 88 88 88 | 95                  | 96                                   | 66                               | Terminal Color Of Signal Name (Specification) 100 | No. Wire Ogna rane Openication 101 |                                     | R LUGGAGE/TRUNK ROOM ANT+ | B REAR BUMPER ANT- | W REAR BUMPER ANT+ | V IGN RELAY (IPDM E/R) CONT | SB START       | . BR         | 61 W BACK DOOR/TRUNK LID DOOR REQUEST SW | G I-RET WARIN BUZZER (EING RUOM) | _   |                          | Connector No. M122 | Connector Name BCM (BODY CONTROL MODULE) | Connector Type TH40FB-NH   | Q                       | MATA | Color Sept   Kelegiel American Sept   Term | ON 25 25 25 25 25 25 25 25 25 25 25 25 25 | 113 | 1,14                      | I                 | Signal Name [Specification]          | 72 L ROOM ANT 2-                     | 73 P ROOM ANT 2+ 121                      | 74 SB PASSENGER DOOR ANT- 123 | BR PASSENGER DOOR ANT+              |                                  | ÷                                   | L ROOM ANT 1- | R ROOM ANT 1+ | 80 GR NATS ANT AMP. 133                |
|                    | Connector No. M119    | Connector Name BCM (BODY CONTROL MODULE) |            | Connector Type NS16FW-CS     |                      |            |         | 45   8 9 | 11 13 14 15 17 18 19                   | 21                  |                                      |                                  | Terminal Color Of Signal Name (Specification)     | No. Wire Ognari Name [Openication] | 4 R INTERIOR ROOM LAMP POWER SUPPLY | 9                         | 7                  | DRIVER DOOR,       | BR                          | 8              | R PUSHBUTTON | 45 Y ACCIND                              | \$ (                             | 18 O IURN SIGNAL LH (FRON I, SIDE) 19 P ROOM LAMP TIMER CONTROL |                          | Connector No. M120 | Connector Name BCM (BODY CONTROL MODULE) | Connector Type NS12FW-CS   | Q                       | MAT  | 23 24                                      | 25   30                                   |     |                           | Terminal Color Of | No. Wire Signal Name [Specification] | 20 V TURN SIGNAL RH (REAR)           | 23 L BACK DOOR OPEN OUTPUT [Coupe models] | >                             | 24 O REAR FOG OUTPUT                | 25 LG TURN SIGNAL LH (REAR)      | 30 R LUGGAGE/TRUNK ROOM LAMP OUTPUT |               |               |  |
| INTERIOR ROOM LAMP | +                     |  | - T 69     | 70 L                         | 71 B -               |            | L       | L        | H                                      | 76 B -              | 77 B -                               | 92 G - [Coupe models]            | 92 LG - [Roadster models]                         | 93 R - [Coupe models]              | >                                   | 9                         | SHIELD             | S                  |                             | 97             | > 3          | > 5                                      | Se 176 - Roadster models         | 100 BR - Counce models  | Y - [Roadst              | 0,000              | Connector No. MITT8                      | Connector Name   BCM (BODY CONTROL MODULE)   | Connector Type M03FB-LC |      |  | 1.3                                       |     | 3                         |                   | Terminal Color Of                    | No. Wire Signal Name [Specification] | 1 W BAT (F/L)                             | W                             | 3 Y POWER WINDOW POWER SUPPLY (IGN) |                                  |                                     |               |               |  |

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| Commenter No. 197  | 2                    | Connector Name VANITY MIRROR LAMP RH Connector Name WIRE TO WIRE | Connector Type   MCA02FW   Connector Type   TH12FW-NH |              |                    |                   | 13.               | 7 0 4 0 0         | Z                      |                   |                | nal Color Of Signal Name [Specification] Terminal C | No. Wire | - 22          | E   | 4 B               | Connector No. R4 5 V - | A B B B C C AND I | Contraction Matter Daving Mich. Daving 7 SHIELD - | $\dashv$                            | 9 6  | $\dashv$                                 |             | 1   7   6   4   6   9 |                             |               | la<br>I                     | 0 | X 3  |            | Ë | 5 Y -  | 6 GR . |           |                   |                                      |      |        |   |   |      |
|--------------------|----------------------|--|---|--------------|--------------------|-------------------|-------------------|-------------------|------------------------|-------------------|----------------|---|----------|---------------|---|-------------------|------------------------|---|---|-------------------------------------|--|--|-------------|-----------------------|-----------------------------|---------------|-----------------------------|---|--|------------|---|--------|--------|-----------|-------------------|--------------------------------------|------|--------|---|---|------|
| Connector No D1    |                      | Connector Name WIRE TO WIRE Conn                                 | Connector Type   TH16FW-NH   Conn                     |              |                    |                   | 878 8 1 3 2 1     | 7 0 4 0 0 /       | 16 15 14 13 12 11 10 9 |                   |                | nal Color Of Signal Name [Specification]            |          | . α           | H   | 7 P               | 8 R                    | 11 B .  | 12 Y .  | . 9                                 |  |  | 16 6 .      | Connector No R2       | L                           | REOR LAWIP CH | Connector Type MCA02FW Term |   | THE THE PARTY OF T | H.S.       |   | 2      | _      |           | Terminal Color Of | No. Wire Signal Name (Specification) |      | 2<br>R |   |   |      |
| INTERIOR ROOM LAMP | BECEIVER &SENSOR GND | RECEIVER & SENSOR POWER SUPPLY                                   | TIRE PRESS RECEIV COMM                                | P/N POSITION | SECURITY INDICATOR | COMBI SW OUTPUT 5 | COMBI SW OUTPUT 1 | COMBI SW OUTPUT 2 | COMBI SW OUTPUT 3      | COMBI SW OUTPUT 4 | DRIVER DOOR SW | REAR WINDOW DEFOGGER RELAY CONT                     |          | M124          | A AND TO | WINE IO WINE      | TH40MW-CS15            |   |   | 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 | See that the least the first first for the first | 27 27 27 27 27 27 27 27 27 27 27 27 27 2 | relevied on |                       | Signal Name [Specification] |               | •                           | - |  |            |   | -      |        | -         |                   |                                      |      |        |   |   |      |
| INTERIO            | +                    | ╀  | 139 L   | 140 G        | 141 Y              | 142 0             | 143 P             | 144 G             | 145 L                  | 146 SB            | ⊢              | 151 G   |          | Connector No. | Occupation Money  | COILIBECTO MAILIE | Connector Type         | ú   | F   | Ě                                   | V  |  |             | Terminal Color Of     | No. Wire                    | Н             | $\dashv$                    | 7 | 13   | 4 4<br>2 × | ╀ | 23 Y/B | 25 W   | 26 SHIELD | П                 | 44                                   | 20 → | 7 ∀    | 2 | _ | 53 W |

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## [ROADSTER] < WIRING DIAGRAM > **ILLUMINATION** Α Wiring Diagram INFOID:0000000010837559 В FUSE BLOCK (J/B) (M1), (M2), (M3), (E103) (XM) ≥ 3 TRIP COMPUTER SWITCH **★**)ILLUMINATION AV CONTROL UNIT To BOSE audio with navigation system METER ILLUMINATION C ILLUMINATION CONTROL SWITCH UNIFIED METER CONTROL UNIT COMBINATION METER (M53) D TITE IN INTION IGNITION SWITCH ON or START **4** ■ Е 10A ⟨FD⟩: With front door satellite sensor ⟨XD⟩: Without front door satellite sensor 4<u>1</u>1 F G MS X Н \(\lambde{XM}\rangle\): Except for Mexico \(\lambde{CP}\rangle\): Coupe models \(\lambde{RS}\rangle\): Roadster models \(\lambde{NV}\rangle\): With NAVI PUSH-BUTTON IGNITION SWITCH (ILLUMINATION) 10A

DATA LINE

BCM (BODY CONTROL MODULE) (M118), (M119), (M122), (M123)

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DRIVER SIDE DOOR SWITCH (R63)

- III (SE)

2014/05/12

2015 370Z

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COMBINATION SWITCH

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91 | Me | Me

IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM) (ES), (E6)

CPU

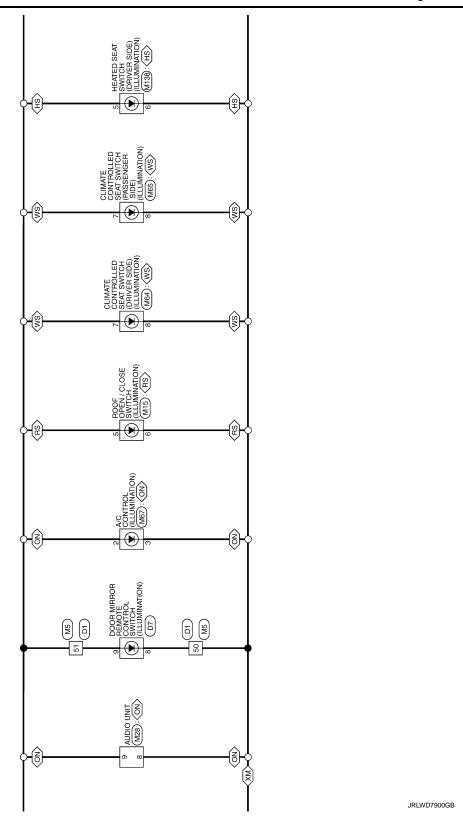
15A 50

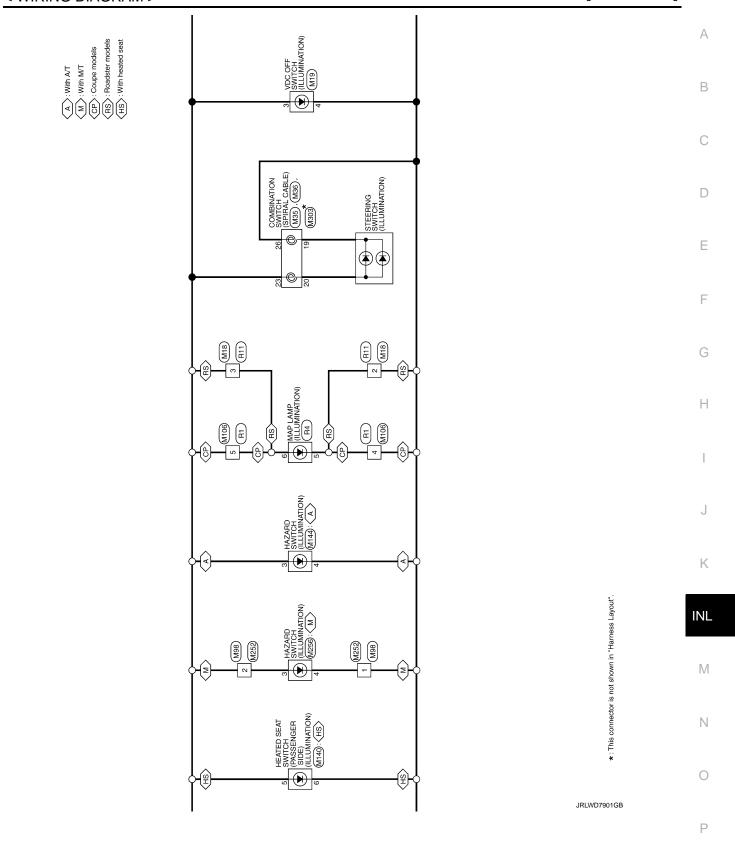
15A 51

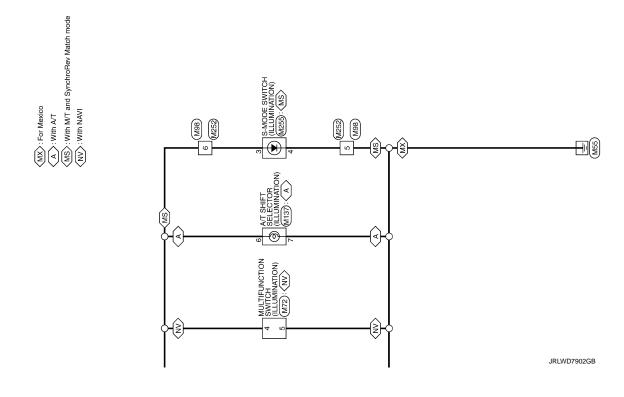
ILLUMINATION

BATTERY

\(\lambda \text{XM}\rangle \text{: Except for Mexico}\)
\(\lambda \text{SM}\rangle \text{: Mondster models}\)
\(\lambda \text{SM}\rangle \text{: without NAVI}\)
\(\lambda \text{VM}\rangle \text{: with climate controlled seat}\)
\(\lambda \text{SM}\rangle \text{: With heated seat}\)







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| CONTRECTOR INC. D.I.                    | 1   | +  | ,                   | Connector No. B16                             | Connector No.     | D1  |
|---|-----|--|---------------------|---|-------------------|---|
| Connector Name WIRE TO WIRE             | .14 | 44<br>R BR                               |                     | Connector Name DRIVER SIDE DOOR SWITCH        | Connector Name    | WIRE TO WIRE  |
| TH80FW-CS16-TM4                         | Ľ   | Н  |                     | Connector Type A03FW                          | Connector Type    | TH40FW-CS15   |
|   |     | 46 SB                                    | - [Roadster models] |   | <b>£</b>          |   |
|   | П   | П  |                     | v.  | Vi.               | 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1                         |
| 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | Τ,  | 48 SHELL                                 | -                   |   |                   | 46[45[4443]42[41]4[38]3[3]33] [26[25[24]23]22[21]2[1]1[1]16 |
| 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 1"  | 52 K                                     |                     | <u>1</u>                                      |                   | 353433323130  |
|   | Ľ   | \$                                       |                     | <u></u>                                       |                   |   |
|   | Ľ   |  | -                   |   |                   |   |
| Signal Name [Specification]             | Π,  | +  |                     | Terminal Color Of Signal Name [Specification] | Terminal Color Of | Signal Name [Specification]                                 |
|   |     | 1  |                     | wire  | NO. WIFE          |   |
|   | 1   | 62 SHIELD                                |                     |   | >   ?<br>         |   |
| t                                       | 1   | +  |                     |   | +                 |   |
|   | 1   | †  |                     | 1   | +                 |   |
|   |     | 하  |                     | Connector No. B63                             | 7                 |   |
| •                                       |     | 99<br>B                                  |                     | Connector Name   DRIVER SIDE DOOR SWITCH      | +                 | - [With BOSE system]  |
|   | _   | ┪  |                     | - 1   | >                 | <ul> <li>[Without BOSE system]</li> </ul>                   |
|   | _   | 68 SHIELD                                | - ·                 | Connector Type A03FW                          | 12 L              |   |
|   | _   | 69<br>R                                  |                     |   | 13 B              |   |
|   | Ĺ   | 70 G                                     | 1                   |   | 14 SB             | - [Coupe models]  |
|   | Ĺ   | 71 V                                     |                     | K   | 74 Y              | - [Roadster models]   |
| 1                                       | Ĺ   | 72 P                                     |                     |   | 15 W              |   |
|   | Ĺ   | 73 BR                                    |                     | 6   | ۲ ۲               |   |
|   | Ĺ   | 74 GR                                    | ,                   | 1 0   | 23 Y/B            |   |
|   | Ĺ   | H  | ,                   | <u>ာ</u>                                      | ┝                 | ٠   |
|   | Ľ   | H  |                     | ]   | Ŗ                 |   |
|   | Ĺ   | 81<br>R                                  |                     | Terminal Color Of                             | 35 G              |   |
|   | Ľ   | H  |                     | No. Wire Signal Name [Specification]          | H                 |   |
|   | Ľ   | 83 GR                                    | '                   | 2 GR  | 47 B              |   |
|   | Ľ   | 84<br>G                                  | - [Coupe models]    | 3 8   | 48 SB             |   |
|   | Ĺ   | 84 L                                     | - [Roadster models] |   | 49 W              |   |
|   | Ľ   | 92 FG                                    |                     |   | 20 FG             |   |
|   | Ĺ   | L  |                     |   | $\vdash$          |   |
| 1                                       | Ľ   | 87 BR                                    | ,                   |   | 52 V              | ,   |
|   | Ľ   | H  |                     |   | 53 BG             | ,   |
|   | Ľ   | Ͱ  |                     |   | ├                 | ,   |
|   | Ľ   | . P. | - [Roadster models] |   | H                 |   |
|   | Ľ   | ╀  | - [Coupe models]    |   | ┨                 |   |
| - [Coupe models]                        | Ľ   | 95<br>GR                                 |                     |   |                   |   |
| - [Roadster models]                     | Ľ   | ╁  | ľ                   |   |                   |   |
|   | Ľ   | ╀  |                     |   |                   |   |
| - [Roadster models]                     | Ľ   | Y 76                                     |                     |   |                   |   |
| - [Coupe models]                        | Ľ   | W 88                                     | - [Coupe mode s]    |   |                   |   |
|   | Ľ   | Ė  | ľ                   |   |                   |   |
| 1                                       | Ľ   | ┝  |                     |   |                   |   |
|   |     |  |                     | _   |                   |   |

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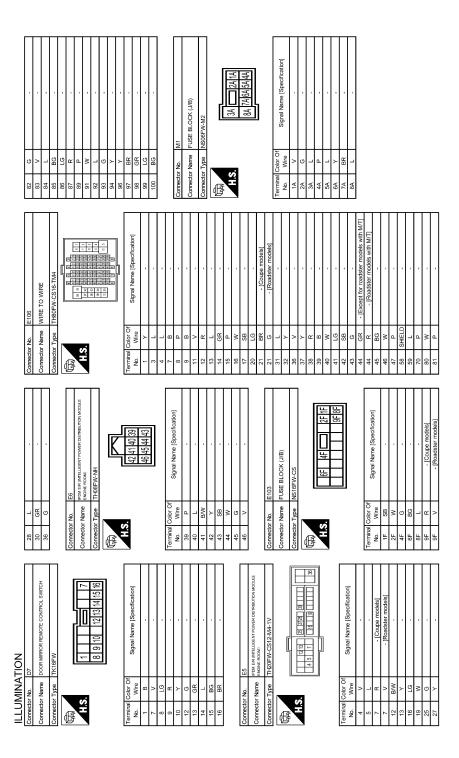
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|                             |                       | т  | Connector No.  | $\neg$ | M6  | 88 3           | > -      |   |
|-----------------------------|-----------------------|--|----------------|--------|---|----------------|----------|---|
| FUSE BLOCK (J/B)            | Connector Name        | WIRE TO WIRE   | Connector Name |        | WIRE TO WIRE  | \$ 16          | - 18     | .   .                                   |
| Connector Type NS10FW-CS    | Connector Type        | TH40MW-CS15  | Connector Type | Т      | TH80MW-CS16-TM4   | 98             | >        |   |
|                             | ֓֞֜֞֜֜֜֞֜֜֜֓֓֓֓֓֓֜֟֜֟ |  |                | 1      |   | 87             | o        |   |
|                             | C C                   |  |                |        |   | 88             | ۵        |   |
|                             | 2                     | 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15  |                |        | 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0   | 91             | ۸        | -                                       |
| ╗                           | 1                     | - Industry   |                | 9      | 10.23<br>20.24<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25<br>20.25 | 92             | ۵        |   |
| 9B 8B 6B 5B                 |                       | 777879 3131 273514 88  |                |        | 8 G<br>8 G<br>8 G<br>8 G<br>8 G<br>8 G<br>8 G<br>8 G<br>8 G<br>8 G  | 93             | ۵        | ı                                       |
| ш                           |                       | and a local control co |                |        | C 22 MA C 20 C 2  | 94             | >        |   |
|                             |                       |  |                |        |   | 96             | ۵        |   |
|                             |                       |  |                |        |   | 97             | GR       |   |
| Signal Name [Specification] | E C                   | Of Signal Name (Specification)   | Terminal       | U      | Signal Name [Specification]   | 86             | 0        |   |
|                             | No. Wire              |  | o<br>N         | Wire   | ogna rank population  | 66             | Α        |   |
|                             | 7 Y                   |  | -              | >      |   | 100            | œ        | •                                       |
|                             | 8                     |  | 3              | ٦      | -   |                |          |   |
|                             | 6                     |  | 4              | _      | ,   |                |          |   |
|                             | $\frac{1}{1}$         |  |                |        |   | Connector No   | Γ        | M7                                      |
|                             | ╀                     |  | . 0            |        |   |                | т        |   |
|                             | +                     |  | 0              |        |   | Connector Name |          | WIRE TO WIRE                            |
|                             | +                     |  | 50             | 2      |   |                | T        |   |
|                             | -                     | 10   | -              | GR     | 10  | Connector Type |          | TH80MW-CS16-TM4                         |
|                             | 14 Y                  |  | 12             | ď      |   | 4              |          |   |
|                             | 15 W                  |  | 13             | ٦      | -   |                |          |   |
| 1000                        | 19 Y                  |  | 14             | 9      |   | ŧ              |          |   |
|                             | 23 Y/B                |  | 15             | Ь      |   | Ş              |          |   |
| Connector Type NS12FW-CS    | 25 Y                  |  | 16             | Μ      |   |                |          | 3 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 |
|                             | 26 SHIELD             |  | 17             | BR     |   |                |          |   |
|                             | 35 BR                 |  | 50             | GR     |   |                |          | 8 8 8                                   |
|                             | 44 L                  |  | 21             | ď      |   |                |          |   |
| ]                           | 47 B                  |  | 31             | æ      |   | Terminal       | Color Of | 3                                       |
| 70 40 400 000               |                       |  | 32             | >      |   | No.            | Wire     | Signal Name [Specification]             |
| 2                           | ╁                     |  | 98             | ey.    |   | ,              | ä        |   |
|                             | ľ                     |  | 37             | >      |   | 0              | c        |   |
|                             | +                     |  | 5 6            |        |   | 4 0            | , (      | 1                                       |
|                             | r .                   |  | 8              | 2      |   | 2              | 2 .      |   |
| Sinnal Name [Specification] | +                     |  | PS<br>S        | 200    |   | 4              | 9        |   |
|                             |                       |  | 40             | 8      |   | 9              | ^        |   |
|                             | χ.<br>Ω               |  | 4              | 9      | •   | 7              | 9        | 1                                       |
|                             | _                     |  | 42             | œ      |   | α              | as:      |   |
|                             | $\frac{1}{2}$         |  | ç              | ď      |   | ٥              | 9        |   |
|                             |                       |  | ? :            | ,      | - 11.04.0   | ,              | <u></u>  | ı                                       |
|                             |                       |  | 44             | 9      | - [with Av I.]  | =              | -        |   |
|                             |                       |  | 44             | ¥      | - [With M/T]  | 12             | >        | ı                                       |
|                             |                       |  | 45             | 0      |   | 13             | æ        |   |
|                             |                       |  | 46             | 9      |   | 14             | ^        |   |
|                             |                       |  | 47             | 8      |   | ŕ              | a        | 11                                      |
|                             |                       |  | į              | Y i    | U   | 2 5            | . :      | 1)                                      |
|                             |                       |  | ŝ              | SHIELD |   | ٥              | >        |   |
|                             |                       |  | 28             | _      | -   | 17             | œ        |   |
|                             |                       |  | 70             | œ      |   | 18             | _        |   |
|                             |                       |  | 08             | 9      |   | 8              | 87.      | •                                       |
|                             |                       |  | 8 8            | 2 6    |   | 2 2            | 3        |   |
|                             |                       |  | 8              | ¥5     |   | 17             | 5        |   |
|                             |                       |  | 85             | >      |   | 22             | g.       |   |

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| LLUMINATION         | 88 ×           |  | ν «<br>« α            | , ,                           | Connector No. M24                          |
|---------------------|----------------|--|-----------------------|-------------------------------|--|
|                     | 8 8            | - [Roadster models]  | +                     |                               | Connector Name DATA LINK CONNECTOR         |
|                     | 98 SB          | - [Coupe models]   |                       |                               | Connector Type BD16FW                      |
|                     | Н              | - [Coupe models]   | Connector No.         | M18                           | Į<br>ą                                     |
|                     | A -            | - [Roadster models]  | Connector Name        | Connector Name WIRE TO WIRE   |  |
| . .                 | 96<br>84<br>86 | - [Coupe models]   | Connector Type        | TH12MW-NH                     | H.S.                                       |
|                     | H              | - [Roadster models]  | ı                     |                               | 101/18/8/10                                |
|                     | 98 BG          | - [Coupe models]   | F                     |                               | 4 0 0 4                                    |
|                     | Ĥ              | - [Roadster models]  | Ž                     |                               |  |
|                     | 4              | •  |                       | 1 2 3 4 5 6                   |  |
|                     | 100<br>B       |  |                       | 2                             | <u>a</u>                                   |
|                     |                |  |                       | 7   8   9   10   11   17      | No. Wife                                   |
|                     |                |  |                       |                               | 2 >  |
|                     | Connector No.  | AM.  | Terminal Color Of     |                               | 3 Y - [Koadster models]                    |
|                     | Connector Name | DIODE  | No. Wire              | Signal Name [Specification]   | +  |
| - [Roadster models] | Connector Type | 24335 C9900  | -                     |                               | - · 9                                      |
| - [Coupe models]    | 4              |  | 2 W                   |                               | 7 Y .                                      |
| -                   | ほ              |  | 3                     | -                             | 8 6  |
|                     | ¥              | Ę  | 4<br>8                |                               | 91   |
|                     | i i            | <u></u>  | 5<br>P                |                               | _  |
|                     | _              | 7  | 9                     |                               | 14 P                                       |
|                     |                |  | က်                    | 1                             | 16 Y -                                     |
|                     |                |  | +                     |                               |  |
|                     | F              |  | +                     | ,                             |  |
|                     | No. Wire       | Signal Name [Specification]  | 1 0                   |                               |  |
|                     | ~              |  | $\vdash$              |                               | Connector Name   AUDIO UNIT                |
|                     | 2 8            |  |                       |                               | Connector Type TH18FW-CS2                  |
|                     |                |  |                       |                               |  |
|                     |                |  | Connector No.         | M19                           |  |
|                     | Connector No.  | M15  |                       |                               |  |
|                     |                | TO THE PARTY OF TH | Connector Name        | Connector Name VDC OFF SWITCH |  |
|                     | Connector Name | ROOF OPEN/ CLOSE SWITCH  | Connector Type TK04FW | TK04FW                        | 0 / 0                                      |
|                     | Connector Type | TK06FW-1V  | 4                     |                               | 19 11 12 15 16 18                          |
| ,                   | þ              |  | ほ                     |                               |  |
|                     | 彦              | [  | Ě                     |                               |  |
|                     | ٤              |  | 5                     |                               | a a  |
| •                   | 115            | †<br>  |                       | 3 2 1 4                       | No. Wire                                   |
| ,                   |                | 3 6 1  |                       |                               | 2 L SOUND SIGNAL FRONT SPEAKER LH (+)      |
|                     |                | 9  |                       |                               | 3 V SOUND SIGNAL FRONT SPEAKER LH (-)      |
|                     |                |  |                       |                               | 6 W STRG SW A                              |
|                     |                |  | <u>a</u>              | Signal Name [Specification]   | 4  |
|                     | E C            | Signal Name (Specification)  | No. Wire              |                               | M  |
|                     | No.            |  | L G                   |                               | 9 R ILLUMINATION SIGNAL (+)                |
|                     | - c            |  | 2 6                   |                               | 12 I.G. SOLIND SIGNAL FRONT SPEAKER RH (+) |
|                     | +              |  | +                     |                               | 2 0  |
| ,                   | ┨              |  |                       |                               | n  |

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|   |   | Connector No. M53 Connector Name COMBINATION METER  | Connector No. M64 Cornector Name cuains commouse sert simple envels sets |
|---|---|---|--|
| Σį∂   | Connector No. M36 Connector Name COMBNATON SWITCH (SPIRAL CABLE) Connector Tyce TY(08FGY-TV | Comedor Type Trt24FW-NH   | Connector Type TK10FW  |
| Connector Name COMBINA IION SWITCH Connector Type TH16FW-NH                 |   | 1 2 3 4 5 6 9 10 12<br>15 16 17 18 19 20 21 22 23 24  | 4 5 6 7 8  |
| H.S. 12 0 10 11 12 13 14  |   | of Sign   | Terminal Color Of No. Wire Signal Name (Specification)                   |
| al  | <u>a</u>  | 2 0 IGNITION SIGNAL 3 L VEHICLE SPEED SIGNAL (2-PULSE) 4 V VEHICLE SPEED SIGNAL (8-PULSE) FORMAXXO) | +  |
| Wire  | 25 SB   | +   | 5 GR   |
|   | 33 Y  | MACHINE STATES AND  | χ α  |
| +   | H   | ר פי  | Connector No. M65  |
| 9 Y INDUT 2<br>10 R INDUT 4   | Connector No. M50   | 16         R         AIR BAG SIGNAL           17         B         GROUND                           | Connector Name CLANATE CONTROLLED SEAT SWITCH (PASSENGER SDE)            |
| LG<br>P   | Connector Name PUSH-BUTTON IGNITION SWITCH  | V<br>G ACAU   | Connector Type   TK08FBR   |
| 13 BR INPUT 5<br>14 G OUTPUT 2  | Connector Type TK08FBR  | 20 GR AMBIENT SENSOR GROUND 21 L CAN-H  |  |
| Connector No. M35   | E S   | B FUEL LEVE   | 4567   |
| Connector Name COMBRANTON SWITCH (SPIRAL CABLE) Connector Type TK06FV-FX-1V | 4 5 6 7 8   |   | Terminal Color Of  |
| I   | Terminal Color Of   |   | No. Wire Signal Name [Specification]                                     |
| H.S.  | No. Wire Signal Name [Specification]  |   | 3 1.   |
| 28 29 30  | 2 S   |   | 5 7  |
|   | 5 GR .  |   | 6 B -  |
| oa /  | Н   |   |  |
| 23 W  | Q   |   |  |

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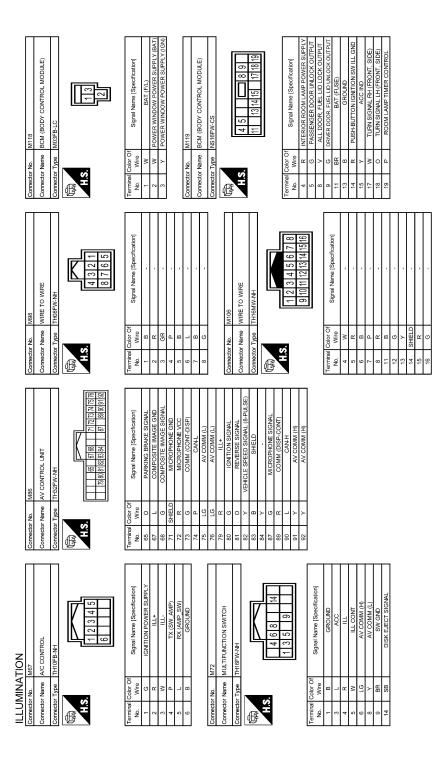
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|                 | MINA                          | ILLUMINATION                          |                 |                                       |  |                 |                            |                                  |  |  |
|-----------------|-------------------------------|---------------------------------------|-----------------|---------------------------------------|--|-----------------|----------------------------|----------------------------------|--|--|
| Connector No.   | or No.                        | M122                                  | Connector No.   | tor No.                               | M123   | Connector No.   |                            | M137                             | Connector No. M140                                     |  |
| Connecto        | Connector Name                | BCM (BODY CONTROL MODULE)             | Connect         | Connector Name                        | BCM (BODY CONTROL MODULE)                    | Connecto        | Connector Name A           | A/T SHIFT SELECTOR               | Connector Name HEATED SEAT SWITCH (PASSENGER SIDE)     |  |
| Connector Type  | r Type                        | TH40FB-NH                             | Connect         | Connector Type                        | TH40FG-NH                                    | Connector Type  | П                          | TK10FW                           | Connector Type NS06FBR-CS                              |  |
| E               |                               |                                       | 匮               | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ |  | E               |                            |                                  |  |  |
|                 | 8                             | 19   19   19   19   19   19   19   19 | 1               | á                                     |  | 4               | 4                          | 5 6 7 8 9 10                     | 42113  |  |
| Terminal<br>No. | Terminal Color Of<br>No. Wire | Signal Name [Specification]           | Terminal<br>No. | al Color Of<br>Wire                   | Signal Name [Specification]                  | Terminal<br>No. | Ferminal Color Of No. Wire | Signal Name [Specification]      | Terminal Color Of Signal Name [Specification] No. Wire |  |
| 72              | ٦                             | ROOM ANT 2-                           | 113             | 0                                     | OPTICAL SENSOR                               | -               | Μ                          |                                  |  |  |
| 73              | ۵                             | ROOM ANT 2+                           | 114             | œ                                     | CLUTCH INTERLOCK SW                          | 2               | >                          | -                                | 2 0 -  |  |
| 74              | SB                            | PASSENGER DOOR ANT-                   | 115             | 0                                     |  | 3               | 1                          |                                  | 3 GR .   |  |
| 75              | BR                            | PASSENGER DOOR ANT+                   | 116             | SB                                    | STOP LAMP SW 1                               | 4               | В                          | -                                | 4 B  |  |
| 9/              | >                             | DRIVER DOOR ANT-                      | 118             | ۵                                     | STOP LAMP SW 2                               | 2               | o                          |                                  |  |  |
| 77              | PI                            | DRIVER DOOR ANT+                      | 119             | SB                                    | DR DOOR UNLOCK SENSOR                        | 9               | œ                          |                                  | - M 9  |  |
| 78              | _                             | ROOM ANT 1-                           | 121             | œ                                     | KEY SLOT SW                                  | 7               | Α                          | •                                |  |  |
| 79              | œ                             |                                       | 123             | ≥                                     | IGN F/B                                      | 8               | ۵                          |                                  |  |  |
| 80              | GR                            |                                       | 124             | ഉ                                     | PASSENGER DOOR SW                            | 6               | >                          | •                                | Connector No. M144                                     |  |
| 81              | ≥                             | NATS ANT AMP.                         | 129             | 0                                     | TRUNK LID OPENER CANCEL SW                   | 10              | ď                          |                                  | Connector Name   |  |
| 82              | œ                             | Н                                     | 130             | ٦                                     | REAR DEFOGGER SW                             |                 |                            |                                  |  |  |
| 83              | GR                            | KYLS EN                               | 132             | >                                     | P/W SW & SOFT TOP C/U COMM [Roadster models] |                 |                            |                                  | Connector Type TK04FW                                  |  |
| 87              | BR                            | COMBI SW INPUT 5                      | 132             | >                                     | POWER WINDOW SW COMM [Coupe models]          | Connector No.   | ١                          | M138                             | ģ  |  |
| 88              | >                             | COMBI SW INPUT 3                      | 133             | ტ                                     | PUSH BUTTON IGNITION SW ILL POWER            | Competer Name   |                            | HEATED SEAT SWITCH (DRIVER SIDE) |  |  |
| 06              | ۵                             | CAN-L                                 | 134             | g                                     | LOCK IND                                     |                 | $\neg$                     |                                  |  |  |
| 91              | ٦                             | CAN-H                                 | 137             | ۵                                     | RECEIVER &SENSOR GND                         | Connector Type  | $\neg$                     | NS06FW-CS                        |  |  |
| 95              | PT                            | KEY SLOT ILL                          | 138             | >                                     | RECEIVER & SENSOR POWER SUPPLY               | 4               |                            |                                  | 3 1 2 4  |  |
| 93              | >                             |                                       | 139             | _                                     | TIRE PRESS RECEIV COMM                       | 厚               |                            |                                  |  |  |
| 92              | 0                             | ACC RELAY CONT                        | 140             | O                                     | P/N POSITION                                 | Ų               |                            |                                  |  |  |
| 96              | >                             | A/T SHIFT SELECTOR POWER SUPPLY       | 141             | >                                     | SECURITY INDICATOR                           | ¥               | 9                          | <u>]</u>                         |  |  |
| 66              | œ                             | SHIFT P/CLUTCH                        | 142             | ٥                                     | COMBI SW OUTPUT 5                            |                 |                            | 4 2 1 3                          | 폏  |  |
| 100             | gR                            | PASSENGER DOC                         | 143             | ۵                                     | COMBI SW OUTPUT 1                            |                 |                            |                                  | No. Wire   |  |
| 101             | >                             | DRIVER DOOR REQUEST SW                | 144             | 9                                     | COMBI SW OUTPUT 2                            |                 |                            |                                  | 1 GR GROUND  |  |
| 102             | 0                             | BLOWER FAN MOTOR RELAY CONT           | 145             | _                                     | COMBI SW OUTPUT 3                            |                 |                            |                                  | 2 P BCM  |  |
| 103             | PI                            | KYLS ENT RECEIVER (FRONT) PWR SUPPLY  | 146             | SB                                    | COMBI SW OUTPUT 4                            | Terminal        | erminal Color Of           | Signal Mamo [Concidention]       | 3 R ILL+   |  |
| 107             | PI                            | COMBI SW INPUT 1                      | 150             | GR                                    | DRIVER DOOR SW                               | Ñ.              | Wire                       | orginal realite [openincation]   | 4 B ILL-   |  |
| 108             | œ                             | COMBI SW INPUT 4                      | 151             |                                       | REAR WINDOW DEFOGGER RELAY CONT              | -               | g                          |                                  |  |  |
| 109             | <b>&gt;</b>                   | COMBI SW INPUT 2                      |                 |                                       |  | 2               | GR                         | ,                                |  |  |
| 110             | ۵                             | HAZARD SW                             |                 |                                       |  | 9               | SB                         |                                  |  |  |
|                 |                               |                                       |                 |                                       |  | 4               | В                          |                                  |  |  |
|                 |                               |                                       |                 |                                       |  | 2               | œ                          |                                  |  |  |
|                 |                               |                                       |                 |                                       |  | ď               | W                          |                                  |  |  |

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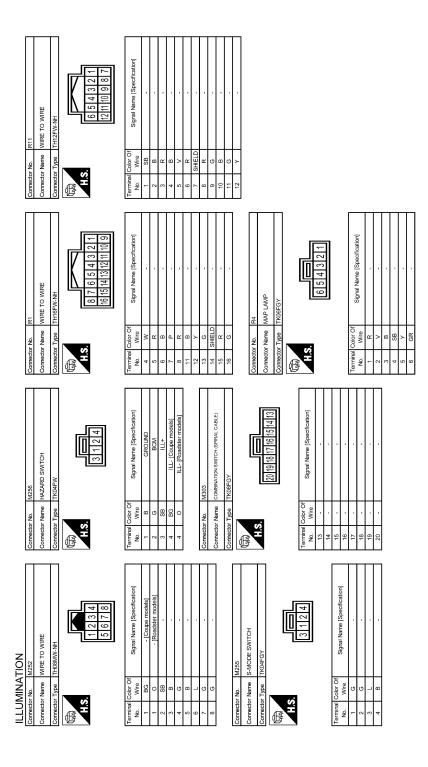
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[ROADSTER] < BASIC INSPECTION >

# **BASIC INSPECTION**

# DIAGNOSIS AND REPAIR WORK FLOW

Work Flow INFOID:0000000010837560 В

**OVERALL SEQUENCE** 

D Inspection start Е 1. Get information for symptom Get the detailed information about symptom from the customer 2. Check DTC Print out DTC and freeze frame data (or, write it down). Check related service bulletines. Symptom is described. Symptom is not described. Symptom is described. DTC is detected. DTC is detected. DTC is not detected. 3. Confirm the symptom 4. Confirm the symptom Try to confirm the symptom described Try to confirm the symptom described by the customer. by the customer. Also study the normal operation and failsafe related to the symptom. 5. Perform DTC CONFIRMATION PROCEDURE 6. Detect malfunctioning system by K SYMPTOM DIAGNOSIS 7. Detect malfunctioning part by Diagnosis Procedure Symptom is INL Symptom is not described. 8. Repair or replace the malfunctioning part Check input/output signal or voltage DTC is 9. Final check Ν Symptom remains. detected. Check that the symptom is not detected. Perform DTC Confirmation Procedure again, and then check that the malfunction is repaired. DTC is not detected. Symptom does not remain. Р INSPECTION END

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## DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION > [ROADSTER]

# 1.GET INFORMATION FOR SYMPTOM

- 1. Get detailed information from the customer about the symptom (the condition and the environment when the incident/malfunction occurs).
- 2. Check operation condition of the function that is malfunctioning.

>> GO TO 2.

# 2. CHECK DTC

- 1. Check DTC.
- 2. Perform the following procedure if DTC is detected.
- Record DTC and freeze frame data (Print them out using CONSULT.)
- Erase DTC
- Study the relationship between the cause detected by DTC and the symptom described by the customer.
- 3. Check related service bulletins for information.

### Are any symptoms described and any DTC detected?

Symptom is described, DTC is detected>>GO TO 3.

Symptom is described, DTC is not detected>>GO TO 4.

Symptom is not described, DTC is detected>>GO TO 5.

## 3.CONFIRM THE SYMPTOM

Try to confirm the symptom described by the customer.

Also study the normal operation and fail-safe related to the symptom.

Verify relation between the symptom and the condition when the symptom is detected.

>> GO TO 5.

## 4. CONFIRM THE SYMPTOM

Try to confirm the symptom described by the customer.

Verify relation between the symptom and the condition when the symptom is detected.

>> GO TO 6.

# 5. PERFORM DTC CONFIRMATION PROCEDURE

Perform DTC CONFIRMATION PROCEDURE for the detected DTC, and then check that DTC is detected again. At this time, always connect CONSULT to the vehicle, and check self diagnostic results in real time. If two or more DTCs are detected, refer to DTC INSPECTION PRIORITY CHART, and determine trouble diagnosis order.

### NOTE:

- Freeze frame data is useful if the DTC is not detected.
- Perform Component Function Check if DTC CONFIRMATION PROCEDURE is not included on Service Manual. This simplified check procedure is an effective alternative though DTC cannot be detected during this check.

If the result of Component Function Check is NG, it is the same as the detection of DTC by DTC CONFIR-MATION PROCEDURE.

## Is DTC detected?

YES >> GO TO 7.

NO >> Check according to GI-44, "Intermittent Incident".

# 6.DETECT MALFUNCTIONING SYSTEM BY SYMPTOM DIAGNOSIS

Detect malfunctioning system according to SYMPTOM DIAGNOSIS based on the confirmed symptom in step 4, and determine the trouble diagnosis order based on possible causes and symptom.

### Is the symptom described?

YES >> GO TO 7.

NO >> Monitor input data from related sensors or check voltage of related module terminals using CON-SULT.

# 7. DETECT MALFUNCTIONING PART BY DIAGNOSTIC PROCEDURE

DIAGNOSIS AND REPAIR WORK FLOW [ROADSTER] < BASIC INSPECTION > Inspect according to Diagnostic Procedure of the system. Α Is malfunctioning part detected? YES >> GO TO 8. NO >> Check according to GI-44, "Intermittent Incident". В 8.repair or replace the malfunctioning part Repair or replace the malfunctioning part. Reconnect parts or connectors disconnected during Diagnostic Procedure again after repair and replacement. Check DTC. If DTC is detected, erase it. D >> GO TO 9. 9. FINAL CHECK When DTC is detected in step 2, perform DTC CONFIRMATION PROCEDURE again, and then check that the Е malfunction is repaired securely. When symptom is described by the customer, refer to confirmed symptom in step 3 or 4, and check that the symptom is not detected. F Is DTC detected and does symptom remain? YES-1 >> DTC is detected: GO TO 7. YES-2 >> Symptom remains: GO TO 4. >> Before returning the vehicle to the customer, always erase DTC. NO Н K INL Ν

Revision: 2014 September INL-107 2015 370Z

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## INTERIOR ROOM LAMP POWER SUPPLY CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

# DTC/CIRCUIT DIAGNOSIS

# INTERIOR ROOM LAMP POWER SUPPLY CIRCUIT

Description INFOID:000000010837561

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

## Component Function Check

INFOID:0000000010837562

# 1.CHECK INTERIOR ROOM LAMP POWER SUPPLY FUNCTION

### **PCONSULT 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-108, "Diagnosis Procedure".

# Diagnosis Procedure

INFOID:0000000010837563

# 1. CHECK INTERIOR ROOM LAMP POWER SUPPLY OUTPUT

### **PCONSULT ACTIVE TEST**

- 1. Turn the ignition switch ON.
- 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 |                    |
|-----------|-----------|--------|-----------|--------------------|
| (-        | +)        | (-)    | iest item | Voltage            |
| В         | CM        |        | BATTERY   | (Approx.)          |
| Connector | Terminal  | Ground | SAVER     |                    |
|           |           |        | Off       | 0 V                |
| M119      | 4         |        | On        | Battery<br>voltage |

### Is the measurement value normal?

YES >> GO TO 2.

NO >> Replace BCM.

# 2.CHECK INTERIOR ROOM LAMP POWER SUPPLY OPEN CIRCUIT

- 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
- Check continuity between BCM harness connector and each interior room lamp harness connector.

### INTERIOR ROOM LAMP POWER SUPPLY CIRCUIT

### < DTC/CIRCUIT DIAGNOSIS >

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| BCM            |                 | Each interior room lamp       |     |          | Continu- |
|----------------|-----------------|-------------------------------|-----|----------|----------|
| Connec-<br>tor | Terminal        | Connector Termin              |     | Terminal | ity      |
|                |                 | Map lamp                      | R4  | 1        |          |
|                | M119 4          | Vanity mirror lamp (LH)       | R2  | 2        |          |
| M119           |                 | Vanity mirror lamp (RH)       | R3  | 2        | Existed  |
|                | Trunk room lamp | B55                           | 1   |          |          |
|                |                 | Cargo area coute-<br>sy 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.

| В         | CM       |        | Continuity  |
|-----------|----------|--------|-------------|
| Connector | Terminal | Ground | Continuity  |
| 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.

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### INTERIOR ROOM LAMP CONTROL CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

## INTERIOR ROOM LAMP CONTROL CIRCUIT

Description INFOID:000000010837564

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:0000000010837565

#### **CAUTION:**

Before performing the diagnosis, check that the following is normal.

- Interior room lamp power supply
- Map lamp bulb

# ${f 1}$ .CHECK INTERIOR ROOM LAMP CONTROL FUNCTION

### (P)CONSULT ACTIVE TEST

- Turn the ignition switch ON.
- 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 dim-

ming

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

YES >> Interior room lamp control circuit is normal.

NO >> Refer to INL-110, "Diagnosis Procedure".

# Diagnosis Procedure

INFOID:0000000010837566

# 1. CHECK INTERIOR ROOM LAMP CONTROL OUTPUT

### **PCONSULT 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       |          |                 | Test item | Continuity  |
|-----------|----------|-----------------|-----------|-------------|
| Connector | Terminal | Terminal Ground | INT LAMP  | Continuity  |
| M119      | 0 10     |                 | On        | Existed     |
| 101119    | 19       |                 | 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.
- Disconnect BCM connector and map lamp connector.
- Check continuity between BCM harness connector and map lamp harness connector.

### INTERIOR ROOM LAMP CONTROL CIRCUIT

## < DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

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

### Does continuity exist?

YES >> Replace the map lamp.

NO >> Repair the harnesses or connectors.

# ${f 3.}$ 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.

| BO                 | СМ |        | Continuity  |
|--------------------|----|--------|-------------|
| Connector Terminal |    | Ground | Continuity  |
| M119               | 19 |        | Not existed |

## Does continuity exist?

YES >> Repair the harnesses or connectors.

NO >> Replace BCM.

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## TRUNK ROOM LAMP CIRCUIT

Description INFOID:000000010837567

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

## Component Function Check

INFOID:0000000010837568

#### **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

### (P)CONSULT 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-112, "Diagnosis Procedure".

# Diagnosis Procedure

INFOID:0000000010837569

## 1. CHECK TRUNK ROOM LAMP OUTPUT

## **(P)CONSULT ACTIVE TEST**

- 1. Turn the ignition switch OFF.
- 2. Remove trunk room lamp bulb.
- 3. Turn the ignition switch ON.
- 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.

| В         | CM       |        | Test item            |             |
|-----------|----------|--------|----------------------|-------------|
| Connector | Terminal | Ground | LUGGAGE<br>LAMP TEST | Continuity  |
| M120      | 30       |        | On                   | Existed     |
| IVITZO    | 30       |        | 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

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

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

### Does continuity exist?

YES >> Replace the trunk room lamp.

## TRUNK ROOM LAMP CIRCUIT

### < DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

NO >> Repair the harnesses or connectors.

# 3.CHECK TRUNK ROOM LAMP SHORT CIRCUIT

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

| В                  | СМ |        | Continuity  |
|--------------------|----|--------|-------------|
| Connector Terminal |    | Ground | Continuity  |
| M120               | 30 |        | Not existed |

### Does continuity exist?

YES >> Repair the harnesses or connectors.

NO >> Replace BCM.

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### PUSH-BUTTON IGNITION SWITCH ILLUMINATION CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

[ROADSTER]

## PUSH-BUTTON IGNITION SWITCH ILLUMINATION CIRCUIT

Description INFOID:000000010837570

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

## Component Function Check

INFOID:0000000010837571

# 1. CHECK PUSH-BUTTON IGNITION SWITCH ILLUMINATION OPERATION

### **©CONSULT ACTIVE TEST**

- Turn the ignition switch ON.
- 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-114, "Diagnosis Procedure".

## Diagnosis Procedure

INFOID:0000000010837572

# 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 |
|---|--|
| <ul><li>Ignition switch ON</li><li>Lighting switch 1ST</li></ul>                              | ON                                       |
| <ul><li> Ignition switch OFF</li><li> Lighting switch OFF</li><li> Driver door LOCK</li></ul> | 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

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

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

#### Does the continuity exist?

YES >> Replace BCM. Refer to BCS-106, "Removal and Installation"

NO >> Repair the harness or the connector.

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

### (P)CONSULT ACTIVE TEST

- Turn the ignition switch ON.
- 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.

## **PUSH-BUTTON IGNITION SWITCH ILLUMINATION CIRCUIT**

< DTC/CIRCUIT DIAGNOSIS >

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| Terminals |          |          | Test item  |         |  |
|-----------|----------|----------|------------|---------|--|
| (+)       |          | (-)      | 1631 16111 | Voltage |  |
| ВСМ       |          | ENGINESW | (Approx.)  |         |  |
| Connector | Terminal | Ground   | ILLUMI     |         |  |
| M123      | 133      | Orouna   | ON         | 5 V     |  |
| 101123    | 133      |          | 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.

| В         | ВСМ      |           | Push-button ignition switch |            |
|-----------|----------|-----------|-----------------------------|------------|
| Connector | Terminal | Connector | Terminal                    | Continuity |
| 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

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

### Does the continuity exist?

YES >> Repair the harness or the connector.

NO >> Replace BCM. Refer to BCS-106, "Removal and Installation"

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# SYMPTOM DIAGNOSIS

# INTERIOR LIGHTING SYSTEM SYMPTOMS

Symptom Table

### **CAUTION:**

Perform the self-diagnosis with CONSULT 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.  Map lamp  Cargo area courtesy light  Trunk room lamp  Vanity mirror lamp | Harness between BCM and each interior room lamp     BCM                             | Interior room lamp power supply circuit Refer to INL-108, "Component Function Check".   |
| Interior room lamp does not turn ON even though the door is open.  (It turns ON when turning the interior room    | Harness between BCM and each door switch     Harness between BCM and each           | Door switch circuit Refer to <u>DLK-288,</u> "Component Function Check".  |
| <ul><li>lamp ON.)</li><li>Interior room lamp does not turn OFF even though the door is closed.</li></ul>          | interior room lamp  BCM   | Interior room lamp control circuit Refer to INL-110, "Component Func- tion Check".  |
| Interior room lamp timer does not activate. (It turns ON/ OFF when the door opens/closes.)                        | _   | Check the interior room lamp setting. Refer to INL-70, "INT LAMP: CON- SULT Function (BCM - INT LAMP) (Roadster Models)".                         |
| Trunk room lamp does not turn ON. (The bulb is normal.)   | Harness between BCM and trunk<br>room lamp switch     Harness between BCM and trunk | Trunk room lamp switch circuit Refer to <u>DLK-301.</u> "Component Function Check".   |
| Trunk room lamp does not turn OFF.  | room lamp  BCM  | Trunk room lamp circuit Refer to INL-112, "Component Func- tion Check".   |
| Push-button ignition switch illumination does not illuminate.   | Harness between BCM and push-<br>button ignition switch     BCM                     | Push-button ignition switch illumination circuit Refer to INL-114, "Component Function Check".  |
| Interior room lamp battery saver does not activate.   | _   | Check the interior room lamp battery saver setting.  Refer to INL-71, "BATTERY SAVER: CONSULT Function (BCM - BAT-TERY SAVER) (Roadster Models)". |

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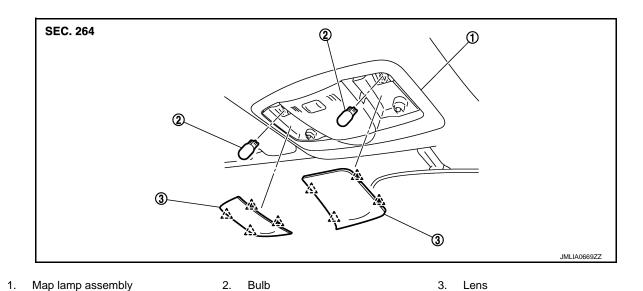
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# REMOVAL AND INSTALLATION

### MAP LAMP

**Exploded View** 



Removal and Installation

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

Replacement INFOID:000000010837576

### **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

: Pawl

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

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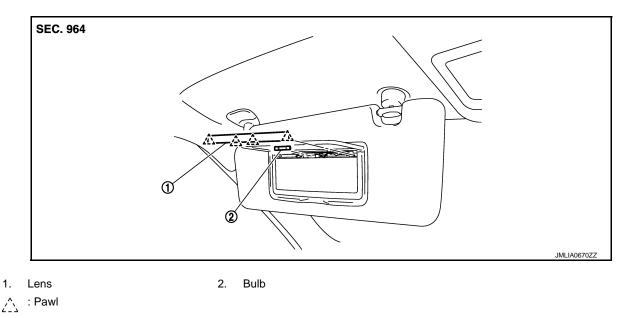
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# VANITY MIRROR LAMP

Exploded View



Replacement INFOID:000000010837578

#### **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.
- Remove the bulb.

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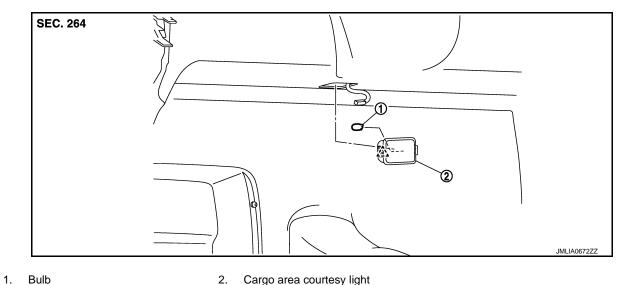
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## CARGO AREA COURTESY LIGHT

## **Exploded View**



Removal and Installation

INFOID:0000000010837580

### **CAUTION:**

: Pawl

Disconnect the battery negative terminal or remove the fuse.

#### REMOVAL

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

### INSTALLATION

Install in the reverse order of removal.

Replacement INFOID:0000000010837581

### **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

- Remove cargo area courtesy light. Refer to <a href="INL-119">INL-119</a>, "Removal and Installation".</a> 1.
- 2. Remove the bulb.

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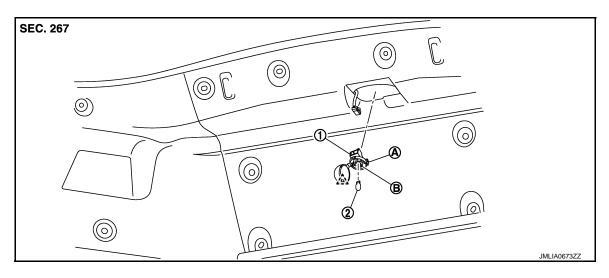
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## TRUNK ROOM LAMP

Exploded View



Trunk room lamp

2. Bulb

A : Lens fixing pawl

B: Trunk room lamp fixing pawl

^ : Pawl

## Removal and Installation

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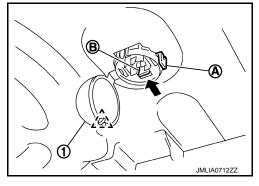
#### **CAUTION:**

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.
- 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.





### INSTALLATION

Install in the reverse order of removal.

Replacement

### **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)

[ROADSTER]

INFOID:0000000010837585

# SERVICE DATA AND SPECIFICATIONS (SDS)

# SERVICE DATA AND SPECIFICATIONS (SDS)

# **Bulb Specifications**

| Item                                     | Туре  | 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           |

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