

# INL

## SECTION

### INTERIOR LIGHTING SYSTEM

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## PRECAUTIONS

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### PRECAUTION

#### PRECAUTIONS

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

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

##### **WARNING:**

Always observe the following items for preventing accidental activation.

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

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

##### **WARNING:**

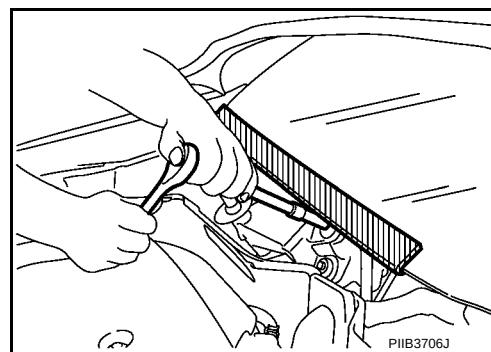
Always observe the following items for preventing accidental activation.

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

##### Precaution for Procedure without Cowl Top Cover

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



##### 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.

## PRECAUTIONS

### < PRECAUTION >

(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.).

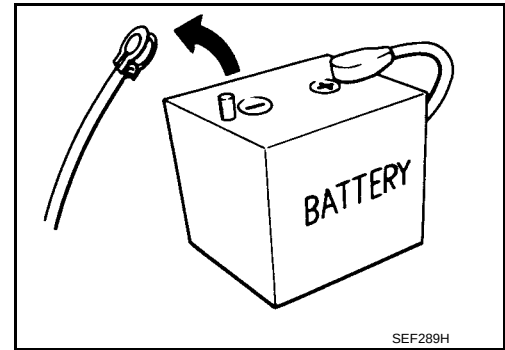
### Precautions for Removing Battery Terminal

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

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

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



#### NOTE:

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

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

#### NOTE:

- Turbocharger cooling pump may operate in a few minutes after the ignition switch is turned OFF.
- Example of high-load driving
  - Driving for 30 minutes or more at 140 km/h (86 MPH) or more.
  - Driving for 30 minutes or more on a steep slope.
- For vehicles with the 2-batteries, be sure to connect the main battery and the sub battery before turning ON the ignition switch.

#### NOTE:

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

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

#### NOTE:

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

# COMPONENT PARTS

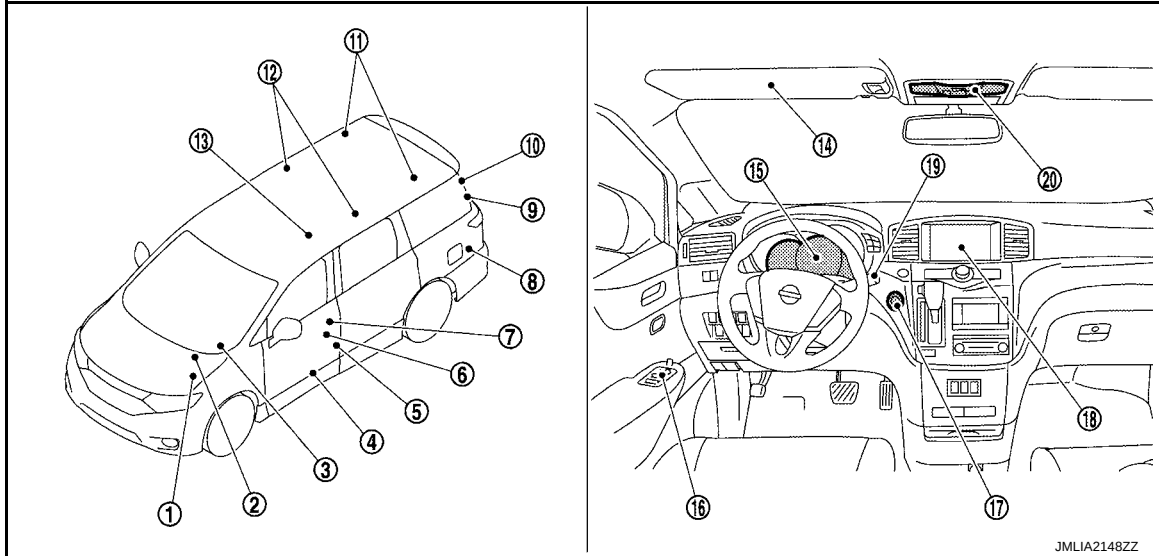
< SYSTEM DESCRIPTION >

## SYSTEM DESCRIPTION

### COMPONENT PARTS

#### Component Parts Location

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| No. | Part                                                              | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-----|-------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.  | IPDM E/R                                                          | Controls the integrated relay according to the request signal from BCM (via CAN communication). Refer to <a href="#">PCS-4, "IPDM E/R : Component Parts Location"</a> for detailed installation location.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 2.  | BCM                                                               | <ul style="list-style-type: none"> <li>Activates the interior room lamp timer depending on the vehicle condition to turn the interior room lamps ON/OFF.</li> <li>Operates the interior room lamp battery saver depending on the vehicle condition to cut the interior room lamp power supply.</li> <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> Refer to <a href="#">BCS-5, "BODY CONTROL SYSTEM : Component Parts Location"</a> for detailed installation location. |
| 3.  | Optical sensor                                                    | Refer to <a href="#">EXL-8, "Component Parts Location"</a> .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 4.  | Step lamp                                                         | Refer to <a href="#">INL-6, "Bulb Specifications"</a> .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 5.  | Door switch                                                       | Refer to <a href="#">DLK-18, "DOOR LOCK SYSTEM : Component Parts Location"</a> .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 6.  | Front door lock assembly (driver side) (door key cylinder switch) | Refer to <a href="#">DLK-18, "DOOR LOCK SYSTEM : Component Parts Location"</a> .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 7.  | Door request switch                                               | Refer to <a href="#">DLK-18, "DOOR LOCK SYSTEM : Component Parts Location"</a> .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 8.  | Luggage room lamp                                                 | Refer to <a href="#">INL-6, "Bulb Specifications"</a> .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 9.  | Automatic back door close switch                                  | Refer to <a href="#">DLK-22, "AUTOMATIC BACK DOOR SYSTEM : Component Parts Location"</a> .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 10. | Back door lock assembly (back door switch)                        | Refer to <a href="#">DLK-18, "DOOR LOCK SYSTEM : Component Parts Location"</a> .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 11. | Third personal lamp                                               | Refer to <a href="#">INL-6, "Bulb Specifications"</a> .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 12. | Second personal lamp                                              | Refer to <a href="#">INL-6, "Bulb Specifications"</a> .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 13. | Remote keyless entry receiver                                     | Refer to <a href="#">DLK-18, "DOOR LOCK SYSTEM : Component Parts Location"</a> .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 14. | Vanity mirror lamp                                                | Refer to <a href="#">INL-6, "Bulb Specifications"</a> .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 15. | Combination meter                                                 | Refer to <a href="#">MWI-7, "METER SYSTEM : Component Parts Location"</a> .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

## COMPONENT PARTS

### < SYSTEM DESCRIPTION >

| No. | Part                                                  | Description                                                                                                                                                  |
|-----|-------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 16. | Door lock and unlock switch                           | Refer to <a href="#">DLK-18, "DOOR LOCK SYSTEM : Component Parts Location"</a> .                                                                             |
| 17. | Push-button ignition switch                           | Refer to <a href="#">DLK-22, "AUTOMATIC BACK DOOR SYSTEM : Component Parts Location"</a> .                                                                   |
| 18. | AV control unit                                       | Receives the dimmer signal from BCM via CAN communication.<br>Refer to <a href="#">AV-15, "Component Parts Location"</a> for detailed installation location. |
| 19. | Combination switch<br>(Lighting & turn signal switch) | Refer to <a href="#">BCS-9, "COMBINATION SWITCH READING SYSTEM : System Description"</a> .                                                                   |
| 20. | Map lamp                                              | Refer to <a href="#">INL-6, "Bulb Specifications"</a> .                                                                                                      |

### Bulb Specifications

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| Item                                     | Type  | Wattage (W) |
|------------------------------------------|-------|-------------|
| Map lamp                                 | Wedge | 8           |
| Total coordination of illumination       | LED   | —           |
| Vanity mirror lamp                       | —     | 1.2         |
| Push-button ignition switch illumination | LED   | —           |
| Glove box lamp                           | —     | 1.4         |
| Foot lamp (driver side)                  | —     | 1.4         |
| Foot lamp (passenger side)               | —     | 1.4         |
| Step lamp                                | Wedge | 3.8         |
| Personal lamp                            | —     | 8           |
| Luggage room lamp                        | —     | 8           |

# SYSTEM

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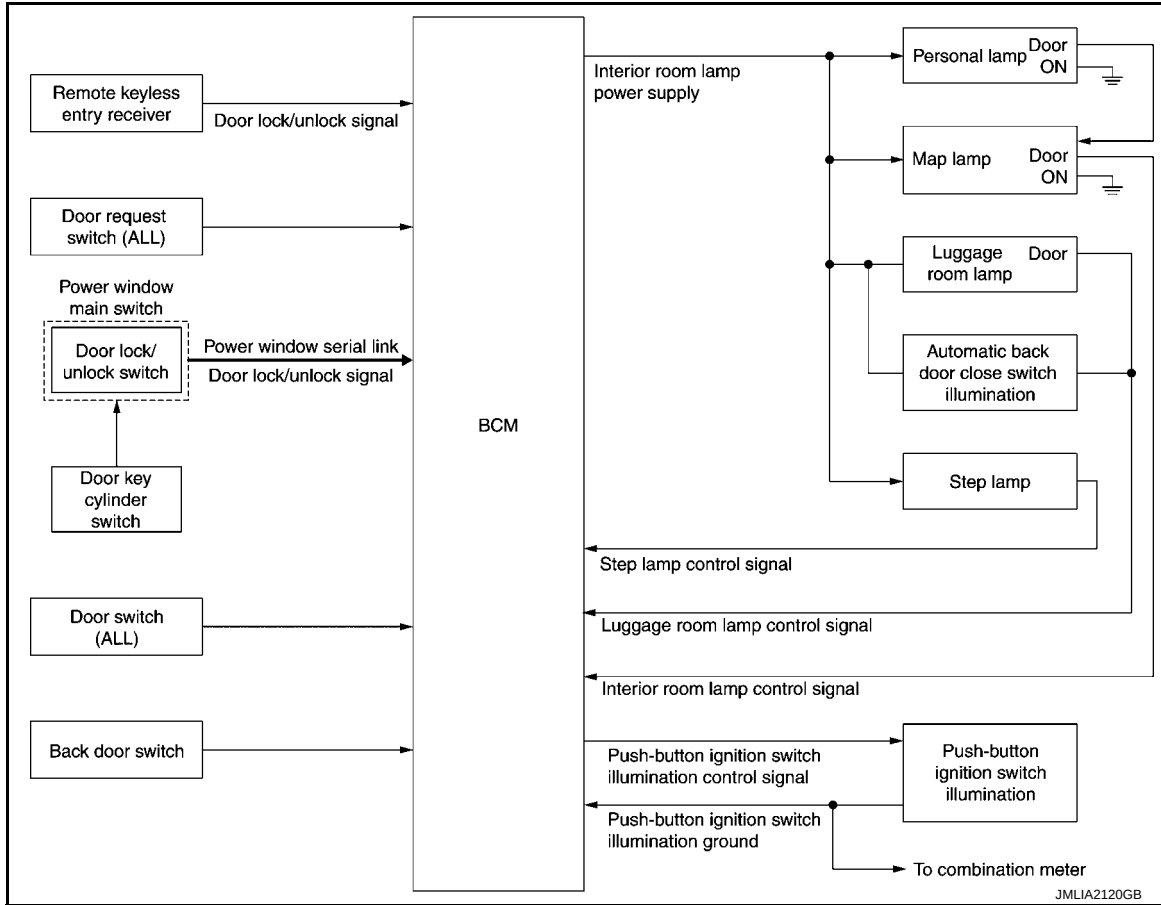
## SYSTEM

### INTERIOR ROOM LAMP CONTROL SYSTEM

### INTERIOR ROOM LAMP CONTROL SYSTEM : System Description

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### SYSTEM DIAGRAM (WITH AUTOMATIC SLIDE DOOR)



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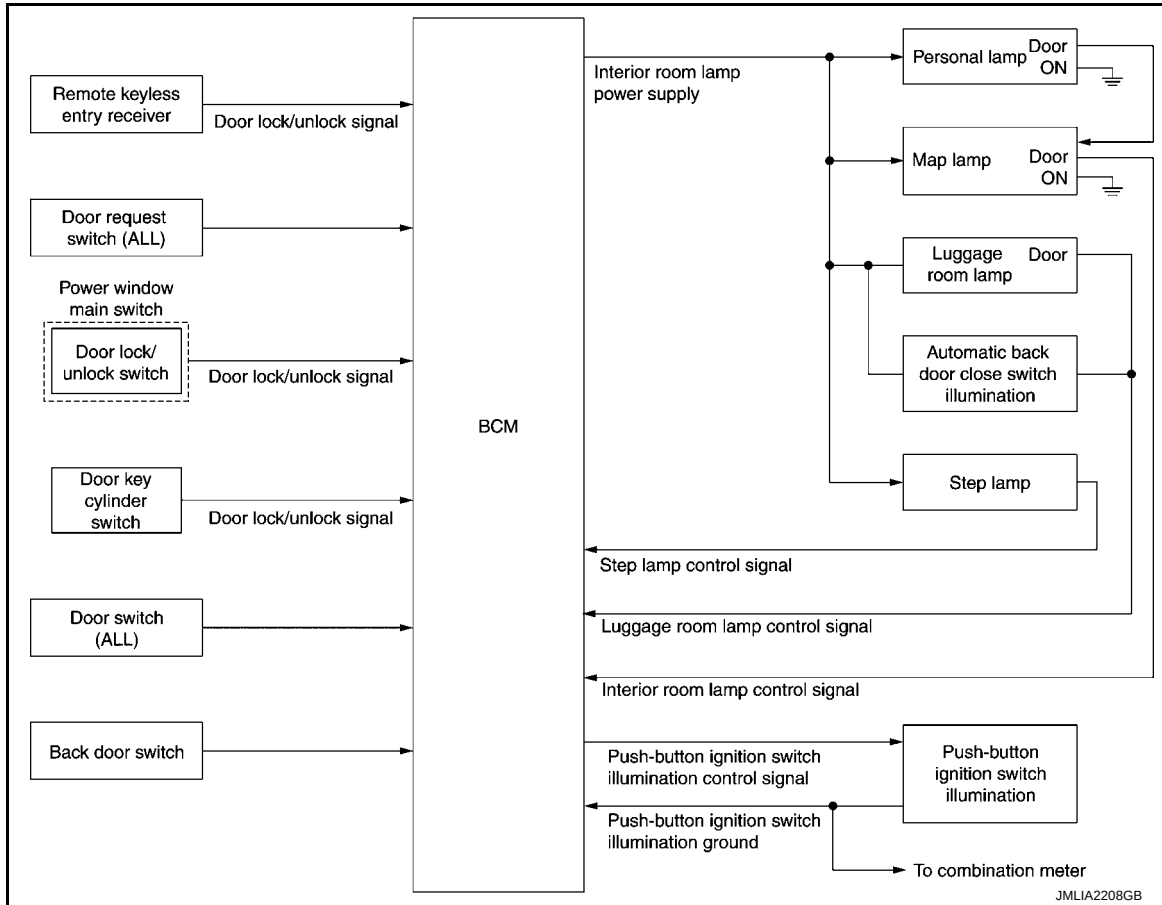
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# SYSTEM

## < SYSTEM DESCRIPTION >

### SYSTEM DIAGRAM (WITHOUT AUTOMATIC SLIDE DOOR)

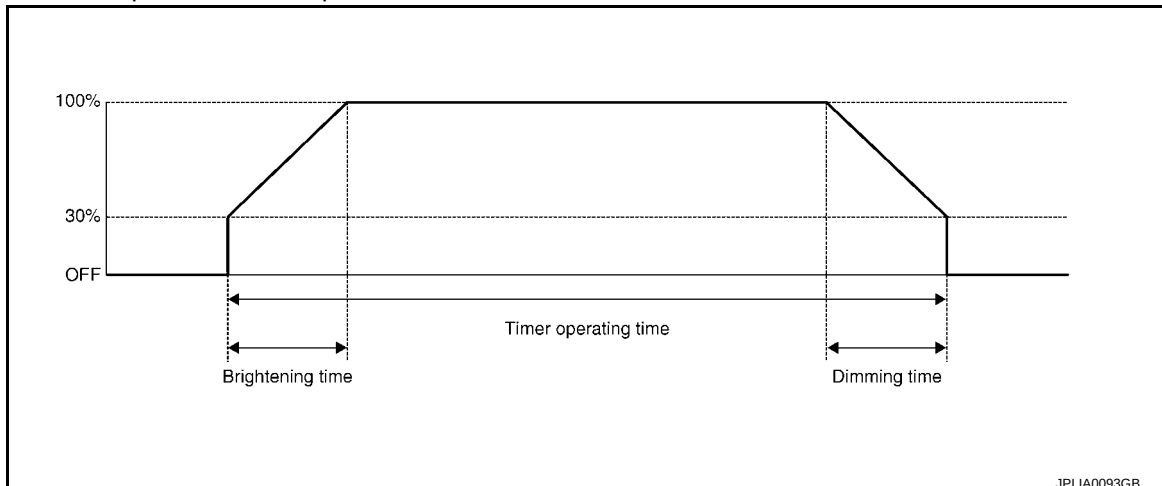


## OUTLINE

- Interior room lamps\* are controlled by interior room lamp timer control function of BCM.
- \*: Map lamp and personal lamp (when map lamp switch and personal lamp switch are in DOOR position).
- Step lamp is controlled by step lamp control function of BCM.
- Luggage room lamp and automatic back door close switch illumination are 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 and combination meter.

## 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 lamp timer.
- BCM judges the vehicle condition with the following items. It activates the interior room timer.

# SYSTEM

## < SYSTEM DESCRIPTION >

- Ignition switch status
- Door switch signal (except back door)
- Door lock/unlock signal (remote keyless entry receiver, each door request switch, door key cylinder switch, door lock/unlock switch)

### NOTE:

Each function of interior room lamp timer can be set by CONSULT. Refer to [INL-22, "INT LAMP : CONSULT Function \(BCM - INT LAMP\)"](#).

### Interior Room Lamp ON Operation

- BCM always turns the interior room lamp ON when any door opens excepting back door.
- 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 excepting back door.
- Ignition switch is turned ON → OFF.
- Any door unlock signal is detected when all doors close excepting back door with ignition switch OFF.

### NOTE:

The timer restarts if new condition is input during the timer operating time.

### Interior Room Lamp OFF Operation

BCM stops the timer and turns interior room lamp OFF, when any of the following conditions is satisfied.

- The interior room lamp timer operating time is expired with all doors closed excepting back door.
- Ignition switch position is other than OFF with all doors close excepting back door.
- Any door lock signal is detected with all doors close excepting back door.

## LUGGAGE ROOM LAMP CONTROL

BCM controls the luggage room lamp and automatic back door close switch illumination (ground-side) to turn ON with back door switch ON.

- When luggage room lamp switch is in the DOOR position and back door is opened, luggage room lamp turns ON.
- When back door is opened, automatic back door close switch illumination turn ON.

## STEP LAMP CONTROL

BCM controls the step lamp (ground-side) to turn ON with any door switch ON excepting back door.

## PUSH-BUTTON IGNITION SWITCH ILLUMINATION CONTROL

### Push-button Ignition Switch Illumination Basic Operation

BCM provides the power supply to turn the push-button ignition switch illumination ON.

### Push-button Ignition Switch Illumination ON Operation

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

- Ignition switch ON
- Any of the following conditions with ignition switch OFF/ACC
- Engine start permission is entered
- Driver side door is LOCK → UNLOCK
- Driver side 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.
- Any of the following conditions with ignition switch OFF.
- The push-button ignition switch illumination ON conditions do not change (15 seconds after the ignition switch OFF)
- Driver side door is UNLOCK → LOCK

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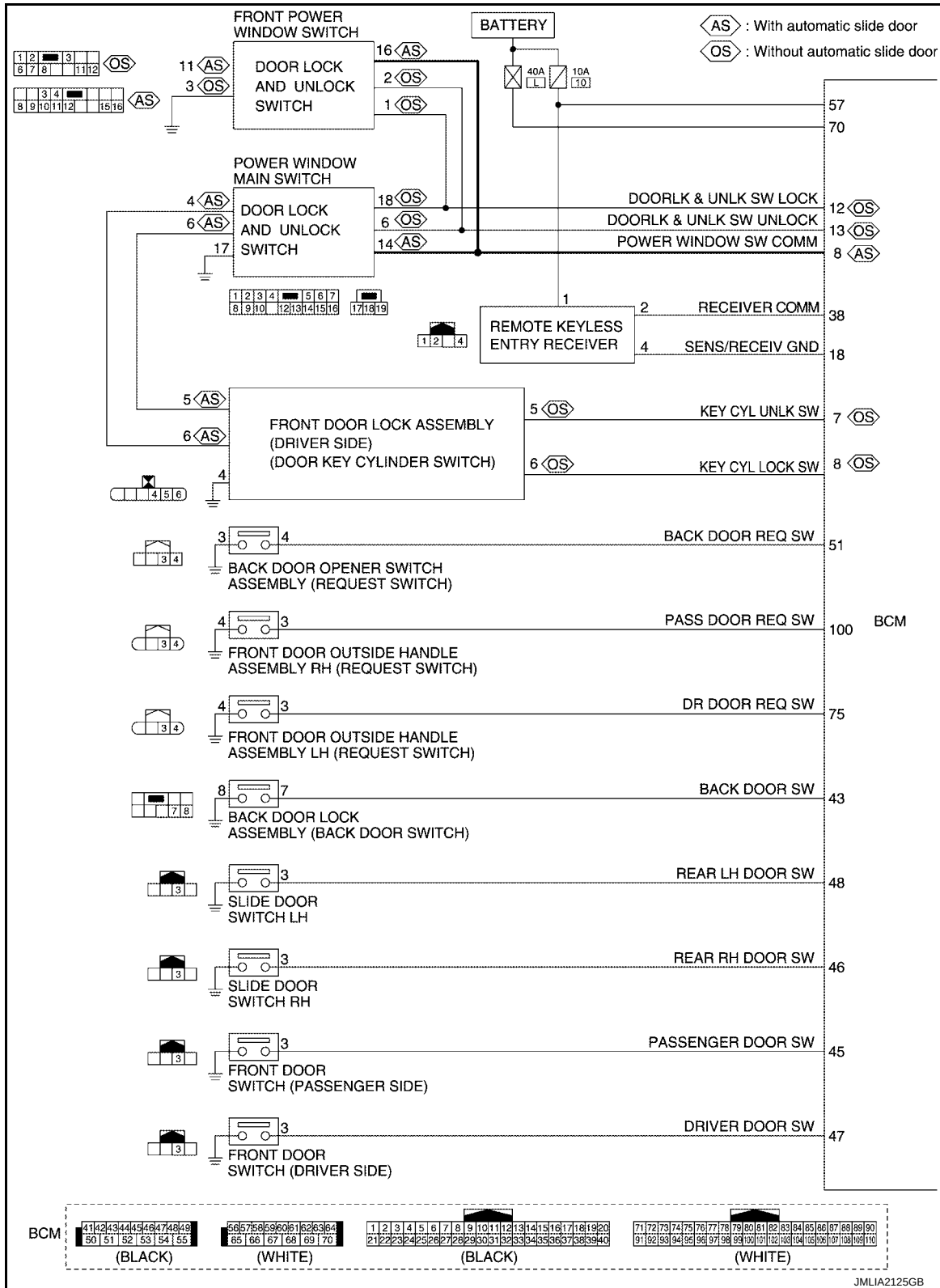
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## INTERIOR ROOM LAMP CONTROL SYSTEM : Circuit Diagram

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## INL



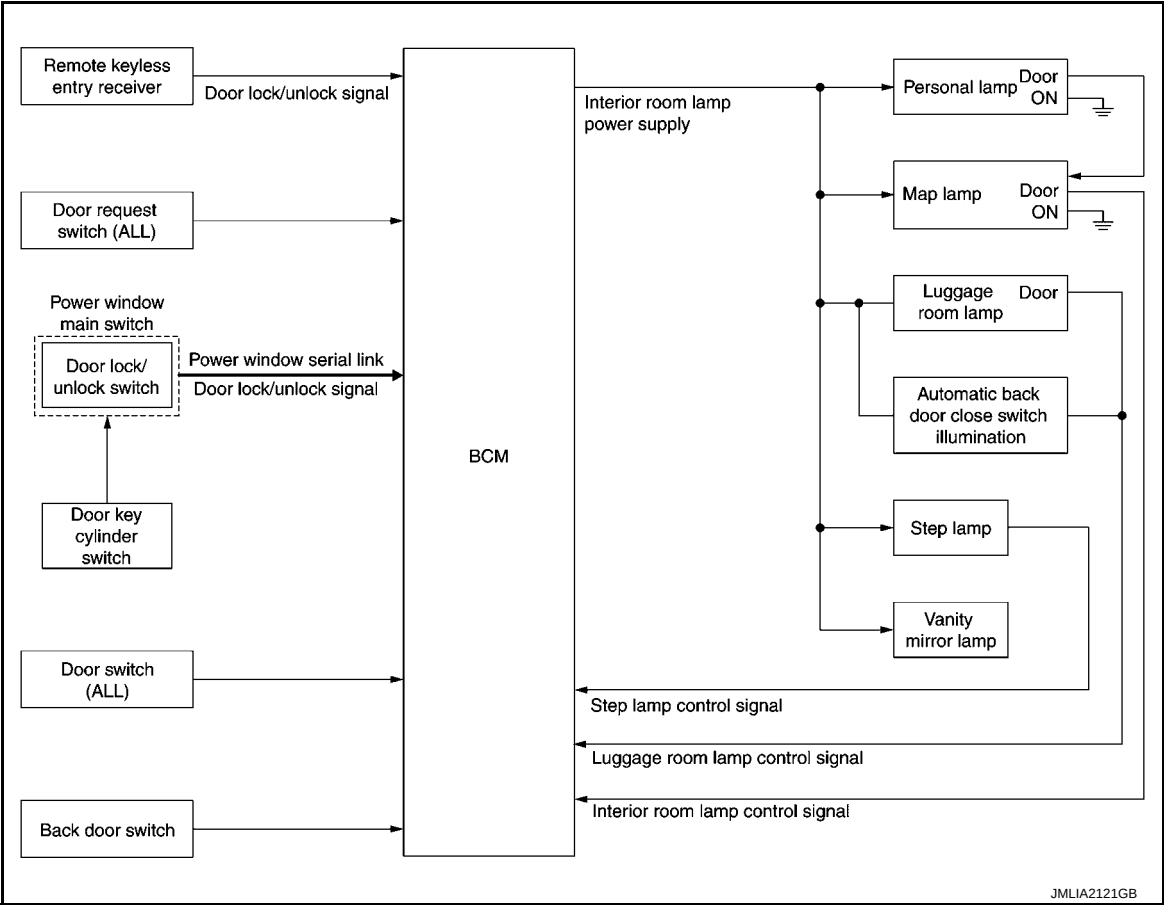
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INTERIOR ROOM LAMP BATTERY SAVER SYSTEM : System Description

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SYSTEM DIAGRAM (WITH AUTOMATIC SLIDE DOOR)

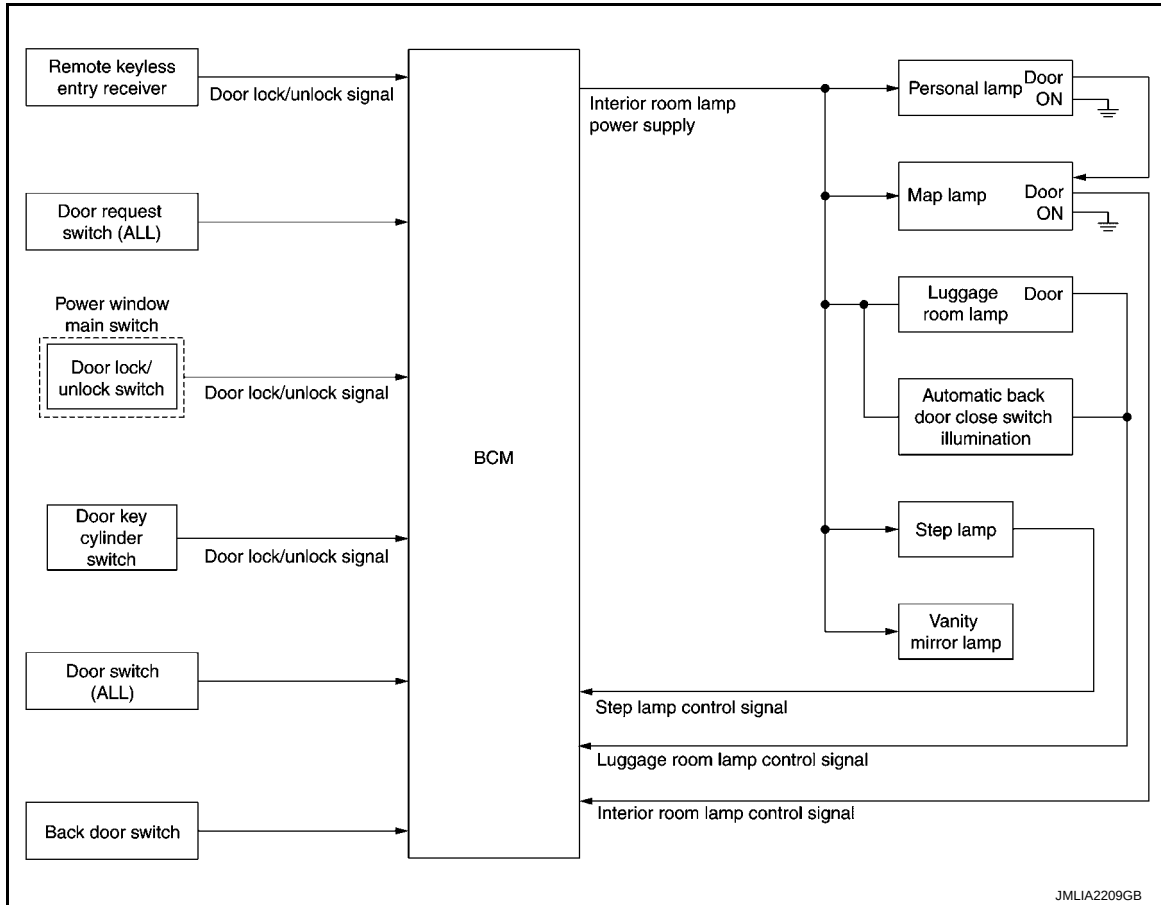


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# SYSTEM

## < SYSTEM DESCRIPTION >

### SYSTEM DIAGRAM (WITHOUT AUTOMATIC SLIDE DOOR)



## 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 neglects turning OFF the any lamps.

### Applicable lamps

- Map lamp
- Personal lamp
- Luggage room lamp
- Automatic back door close switch illumination
- Step lamp
- Vanity mirror lamp

## INTERIOR ROOM LAMP BATTERY SAVER FUNCTION

- When the ignition switch is turned to a position other than ON, 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 door request switch, door lock and unlock switch, door key cylinder switch)
- BCM provides the interior room lamp power supply continuously when the ignition switch position is ON.

### NOTE:

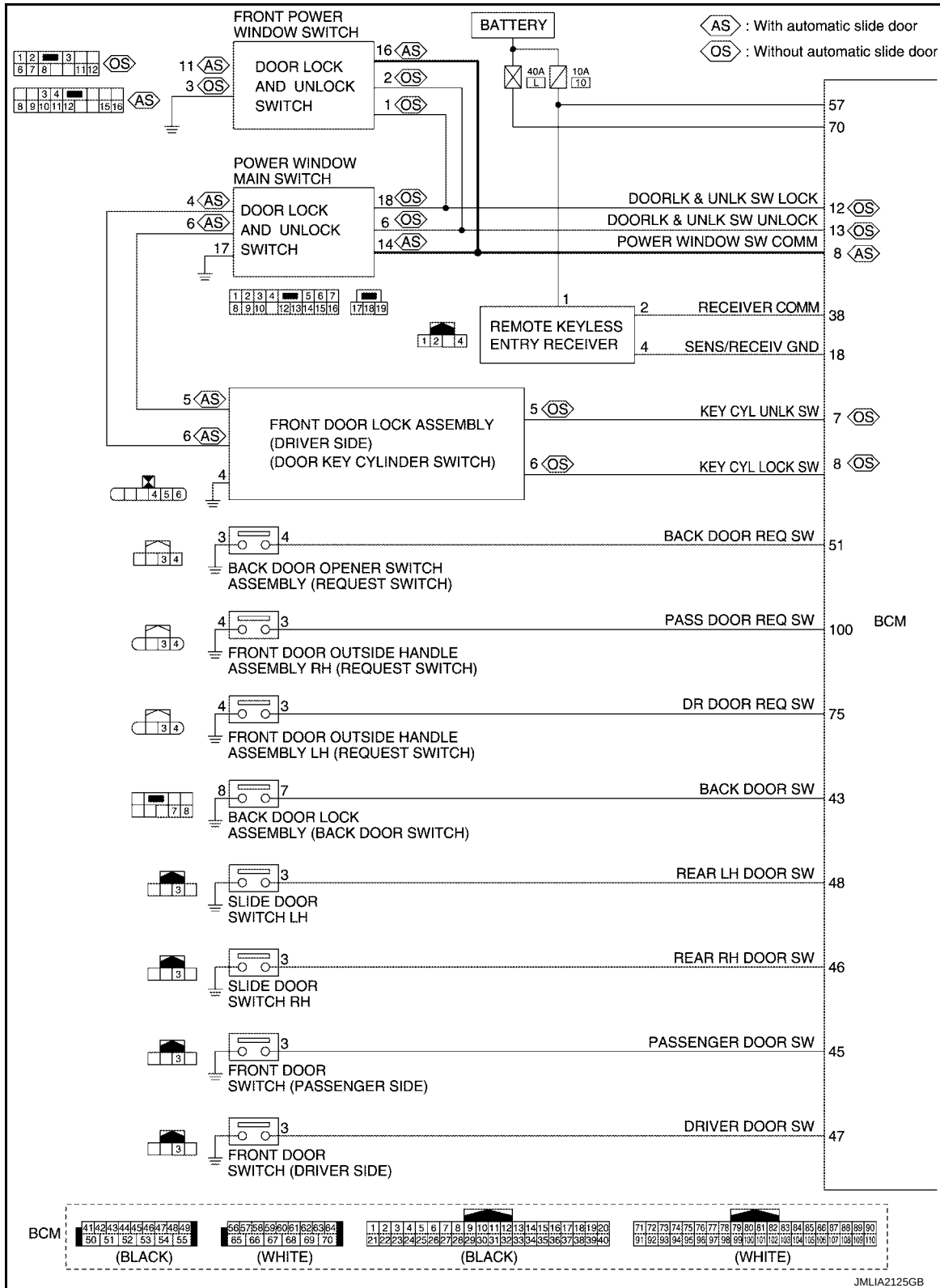
Each function of interior room lamp battery saver can be set by CONSULT. Refer to [INL-23. "BATTERY SAVER : CONSULT Function \(BCM - BATTERY SAVER\)"](#).

# SYSTEM

< SYSTEM DESCRIPTION >

## INTERIOR ROOM LAMP BATTERY SAVER SYSTEM : Circuit Diagram

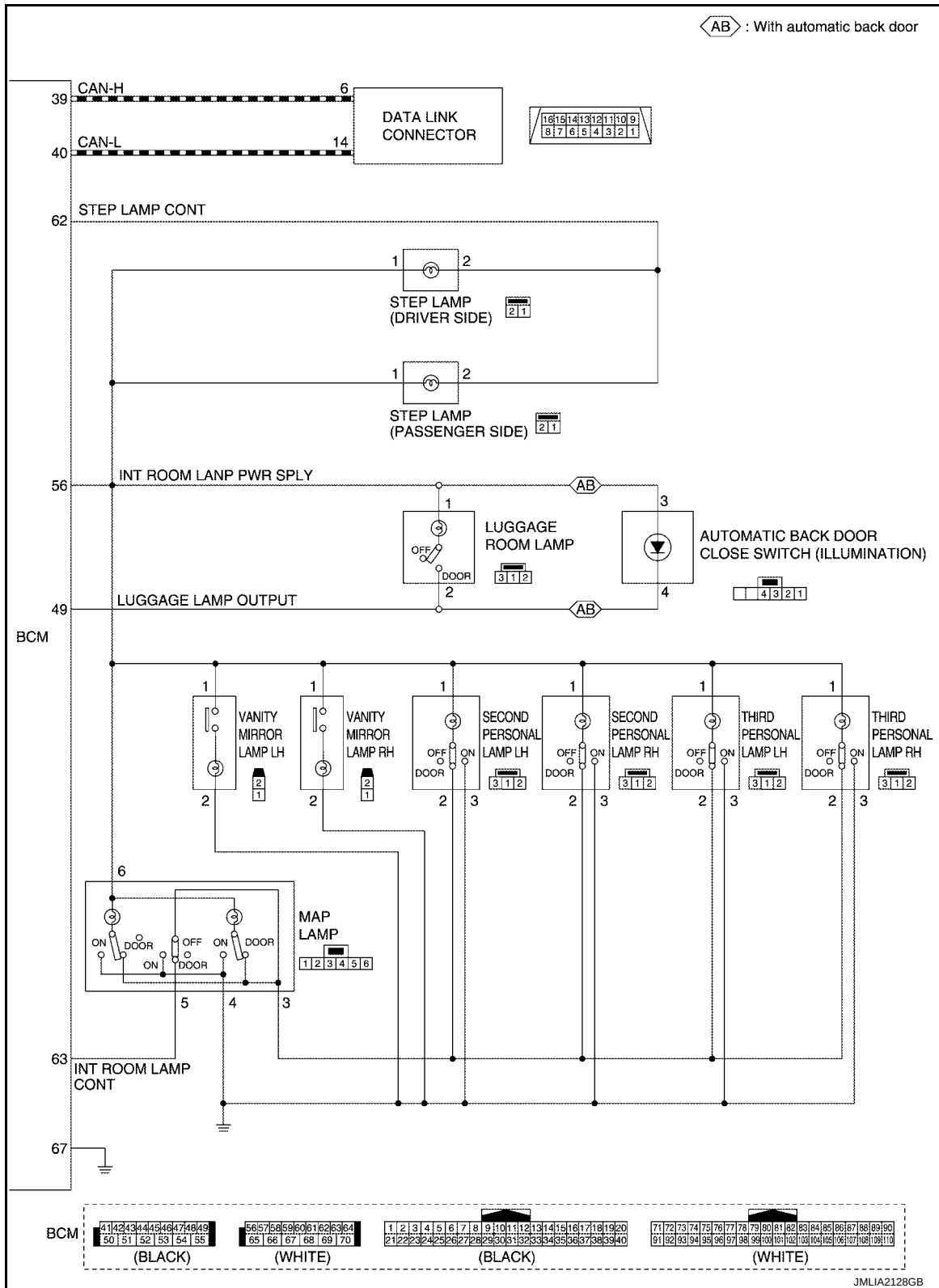
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# SYSTEM

## < SYSTEM DESCRIPTION >



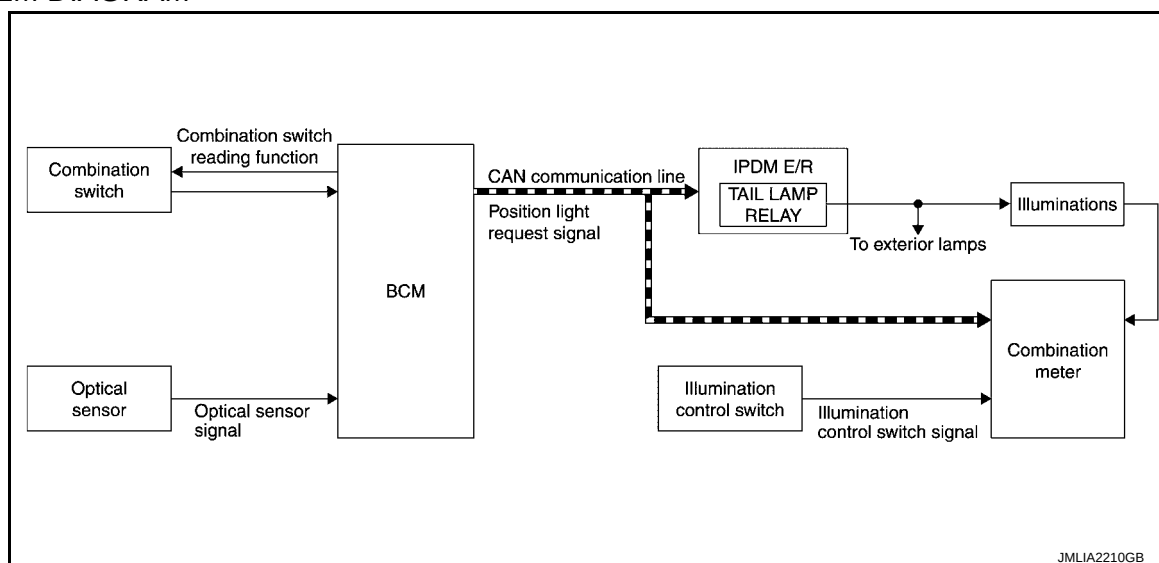
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< SYSTEM DESCRIPTION >

## ILLUMINATION CONTROL SYSTEM : System Description

INFOID:000000012405226

### SYSTEM DIAGRAM



### 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-18, "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
- Lighting switch AUTO, with the front fog lamp switch ON and the ignition switch ON
- 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 each illumination lamp (ground side).

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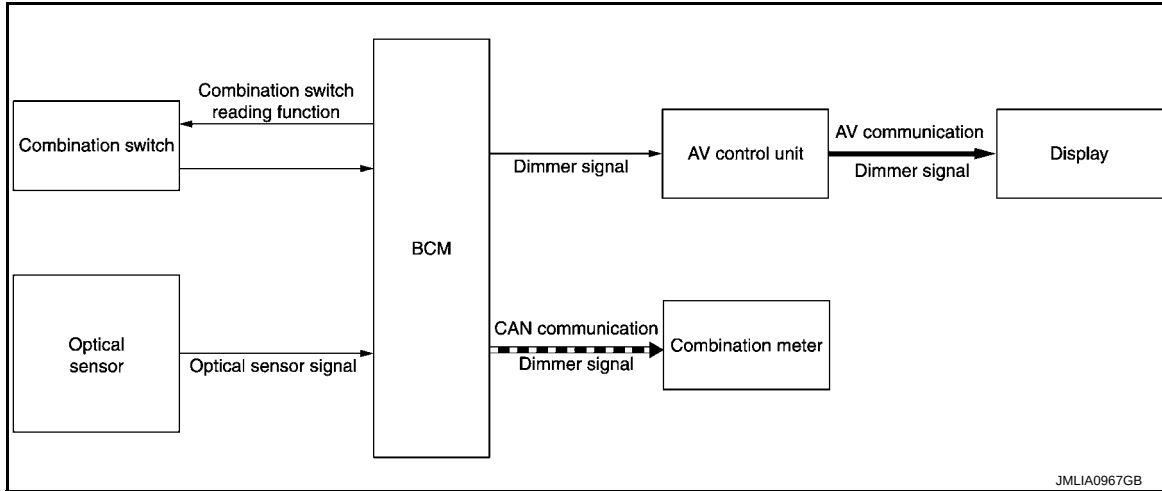
# SYSTEM

< SYSTEM DESCRIPTION >

## AUTO LIGHT ADJUSTMENT SYSTEM : System Description

INFOID:000000012405228

### SYSTEM DIAGRAM



### OUTLINE

Auto light adjustment system is controlled by each function of BCM, combination meter and AV control unit

Control by BCM

- Auto light system
- Auto light adjustment system

### AUTO LIGHT ADJUSTMENT SYSTEM

Description

- BCM supplies voltage to the optical sensor when the ignition switch is turned ON or ACC.
- Optical sensor converts outside brightness (lux) to voltage and transmits the optical sensor signal to BCM.
- BCM judges dimming/brightening of combination meter and display according to brightness outside the vehicle, when ignition switch is ON.
- BCM transmits dimmer signal to combination meter via CAN communication, according to auto light adjustment conditions (Except for CANADA). Dimmer signal is also transmitted to AV control unit.

#### NOTE:

As to dimming/brightening timing, the sensitivity depends on settings. The settings can be changed with CONSULT. Refer to [EXL-27, "HEADLAMP : CONSULT Function \(BCM - HEADLAMP\) \(Xenon Type Headlamp\)"](#).

INFOID:0000000012405229



## DIAGNOSIS SYSTEM (BCM)

< SYSTEM DESCRIPTION >

### DIAGNOSIS SYSTEM (BCM)

#### COMMON ITEM

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

INFOID:0000000013001564

#### 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 style="list-style-type: none"> <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 |              |             |
|-------------------------------------------------------------------------------------------------------|---------------------------|----------------|--------------|-------------|
|                                                                                                       |                           | Work Support   | Data Monitor | Active Test |
| Door lock                                                                                             | DOOR LOCK                 | ×              | ×            | ×           |
| Rear window defogger                                                                                  | REAR DEFOGGER             |                | ×            | ×           |
| Warning chime                                                                                         | BUZZER                    |                | ×            | ×           |
| Interior room lamp control system                                                                     | INT LAMP                  | ×              | ×            | ×           |
| Exterior lamp                                                                                         | HEAD LAMP                 | ×              | ×            | ×           |
| Wiper and washer                                                                                      | WIPER                     | ×              | ×            | ×           |
| Turn signal and hazard warning lamps                                                                  | FLASHER                   | ×              | ×            | ×           |
| Air conditioning control system                                                                       | AIR CONDITONER            |                | ×            | ×*          |
| <ul style="list-style-type: none"> <li>Intelligent Key system</li> <li>Engine start system</li> </ul> | INTELLIGENT KEY           | ×              | ×            | ×           |
| Combination switch                                                                                    | COMB SW                   |                | ×            |             |
| Body control system                                                                                   | BCM                       | ×              |              |             |
| NVIS                                                                                                  | IMMU                      | ×              | ×            | ×           |
| Interior room lamp battery saver                                                                      | BATTERY SAVER             | ×              | ×            | ×           |
| Back door open                                                                                        | TRUNK                     |                | ×            |             |
| Vehicle security system                                                                               | THEFT ALM                 | ×              | ×            | ×           |
| RAP system                                                                                            | RETAINED PWR              |                | ×            |             |
| Signal buffer system                                                                                  | SIGNAL BUFFER             |                | ×            | ×           |
| TPMS                                                                                                  | AIR PRESSURE MONITOR      | ×              | ×            | ×           |

#### NOTE:

\*: For models with automatic air conditioning control system, this diagnosis mode is not used.

#### FREEZE FRAME DATA (FFD)

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

# DIAGNOSIS SYSTEM (BCM)

## < SYSTEM DESCRIPTION >

| CONSULT screen item | Indication/Unit | Description                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                               |
|---------------------|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| Vehicle Speed       | km/h            | Vehicle speed of the moment a particular DTC is detected                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                               |
| Odo/Trip Meter      | km              | Total mileage (Odometer value) of the moment a particular DTC is detected                                                                                                                                                                                                                                                                                                                                                  |                                                                                                               |
| Vehicle Condition   | SLEEP>LOCK      | Power position status of the moment a particular DTC is detected*                                                                                                                                                                                                                                                                                                                                                          | While turning BCM status from low power consumption mode to normal mode [Power supply position is OFF (LOCK)] |
|                     | SLEEP>OFF       |                                                                                                                                                                                                                                                                                                                                                                                                                            | While turning BCM status from low power consumption mode to normal mode [Power supply position is OFF (OFF)]  |
|                     | LOCK>ACC        |                                                                                                                                                                                                                                                                                                                                                                                                                            | While turning power supply position from OFF (LOCK) to ACC                                                    |
|                     | ACC>ON          |                                                                                                                                                                                                                                                                                                                                                                                                                            | While turning power supply position from ACC to ON                                                            |
|                     | RUN>ACC         |                                                                                                                                                                                                                                                                                                                                                                                                                            | While turning power supply position from RUN to ACC (Except emergency stop operation)                         |
|                     | CRANK>RUN       |                                                                                                                                                                                                                                                                                                                                                                                                                            | While turning power supply position from CRANK to RUN                                                         |
|                     | 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)                                                     |
|                     | OFF>LOCK        |                                                                                                                                                                                                                                                                                                                                                                                                                            | While turning power supply position from OFF (OFF) to OFF (LOCK)                                              |
|                     | OFF>ACC         |                                                                                                                                                                                                                                                                                                                                                                                                                            | While turning power supply position from OFF (OFF) to ACC                                                     |
|                     | ON>CRANK        |                                                                                                                                                                                                                                                                                                                                                                                                                            | While turning power supply position from ON to CRANK                                                          |
|                     | OFF>SLEEP       |                                                                                                                                                                                                                                                                                                                                                                                                                            | While turning BCM status from normal mode [Power supply position is OFF (OFF)] to low power consumption mode  |
|                     | LOCK>SLEEP      |                                                                                                                                                                                                                                                                                                                                                                                                                            | While turning BCM status from normal mode [Power supply position is OFF (LOCK)] to low power consumption mode |
|                     | LOCK            |                                                                                                                                                                                                                                                                                                                                                                                                                            | Power supply position is OFF (LOCK)                                                                           |
|                     | OFF             |                                                                                                                                                                                                                                                                                                                                                                                                                            | Power supply position is OFF (OFF)                                                                            |
|                     | ACC             |                                                                                                                                                                                                                                                                                                                                                                                                                            | Power supply position is ACC                                                                                  |
|                     | ON              |                                                                                                                                                                                                                                                                                                                                                                                                                            | Power supply position is ON                                                                                   |
|                     | ENGINE RUN      |                                                                                                                                                                                                                                                                                                                                                                                                                            | Power supply position is RUN                                                                                  |
|                     | CRANKING        |                                                                                                                                                                                                                                                                                                                                                                                                                            | Power supply position is CRANK                                                                                |
| IGN Counter         | 0 - 39          | The number of times that ignition switch is turned ON after DTC is detected <ul style="list-style-type: none"> <li>• The number is 0 when a malfunction is detected now.</li> <li>• The number increases like 1 → 2 → 3...38 → 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:

\*: Refer to the following for details of the power supply position.

- OFF (OFF, LOCK): Ignition switch OFF
- ACC: Ignition switch ACC
- IGN: Ignition switch ON with engine stopped
- RUN: Ignition switch ON with engine running
- CRANK: At engine cranking

Power supply position shifts to "OFF (LOCK)" from "OFF (OFF)", when ignition switch is in the OFF position, shift position is in the P position, 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 "OFF (LOCK)".

## INT LAMP

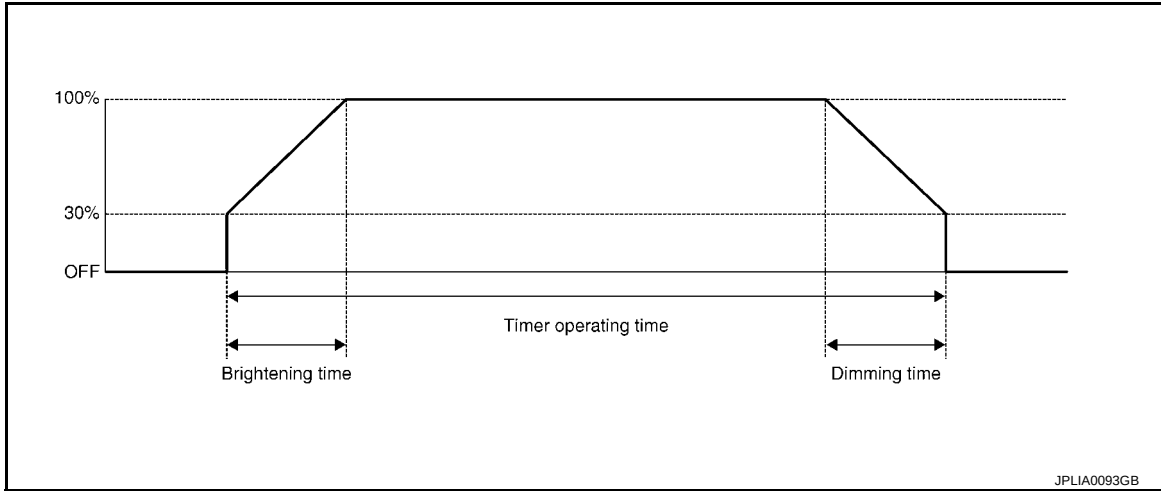
# DIAGNOSIS SYSTEM (BCM)

< SYSTEM DESCRIPTION >

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

INFOID:000000012405231

### WORK SUPPORT



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

\*: Factory setting

### DATA MONITOR

#### 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 door request switch (driver side)    |
| REQ SW-AS<br>[On/Off]  | The switch status input from door request switch (passenger side) |

# DIAGNOSIS SYSTEM (BCM)

## < SYSTEM DESCRIPTION >

| Monitor item<br>[Unit]    | Description                                                      |
|---------------------------|------------------------------------------------------------------|
| REQ SW-RR<br>[On/Off]     | <b>NOTE:</b><br>The item is indicated, but not monitored.        |
| REQ SW-RL<br>[On/Off]     |                                                                  |
| PUSH SW<br>[On/Off]       | The switch status input from push-button ignition switch         |
| UNLK SEN -DR<br>[On/Off]  | Driver door unlock status input from unlock sensor               |
| DOOR SW-DR<br>[On/Off]    | The switch status input from front door switch (driver side)     |
| DOOR SW-AS<br>[On/Off]    | The switch status input from front door switch (passenger side)  |
| DOOR SW-RR<br>[On/Off]    | The switch status input from sliding door switch RH              |
| DOOR SW- RL<br>[On/Off]   | The switch status input from sliding door switch LH              |
| DOOR SW- BK<br>[On/Off]   | The switch status input from back door switch                    |
| CDL LOCK SW<br>[On/Off]   | Lock switch status input from door lock and unlock switch        |
| CDL UNLOCK SW<br>[On/Off] | Unlock switch status input from door lock and unlock switch      |
| TRNK/HAT MNTR<br>[On/Off] | <b>NOTE:</b><br>The item is indicated, but not monitored         |
| KEY CYL LK-SW<br>[On/Off] | Lock switch status received from door key cylinder switch        |
| KEY CYL UN-SW<br>[On/Off] | Unlock switch status received from door key cylinder switch      |
| 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 the interior room lamps ON.<br>[Map lamp, personal lamp (when applicable lamps switch is in DOOR position.)] |
|                | Off       | Stops the interior room lamp control signal to turn the interior room lamps.                                                                                       |
| STEP LAMP TEST | On        | Outputs the step lamp control signal to turn the step lamps ON.                                                                                                    |
|                | Off       | Stops the step lamp control signal to turn the step lamps ON.                                                                                                      |

## BATTERY SAVER

## BATTERY SAVER : CONSULT Function (BCM - BATTERY SAVER)

INFOID:0000000012405232

## WORK SUPPORT

## DIAGNOSIS SYSTEM (BCM)

### < SYSTEM DESCRIPTION >

| Service item        | Setting item | Setting                                          |                                                                                                                                                                                                               |
|---------------------|--------------|--------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ROOM LAMP TIMER SET | MODE 1       | 30 min.                                          | Sets the interior room lamp battery saver timer operating time.<br><b>NOTE:</b><br>The factor setting is 10 minutes. The setting cannot be returned to the factory setting, when the setting is changed once. |
|                     | MODE 2       | 60 min.                                          |                                                                                                                                                                                                               |
|                     | MODE 3       | 15 min.                                          |                                                                                                                                                                                                               |
| BATTERY SAVER SET   | On*          | With the exterior lamp battery saver function    |                                                                                                                                                                                                               |
|                     | Off          | Without the exterior lamp battery saver function |                                                                                                                                                                                                               |

\*: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 door request switch (driver side)    |
| REQ SW-AS<br>[On/Off]     | The switch status input from door request switch (passenger side) |
| REQ SW-RR<br>[On/Off]     | <b>NOTE:</b><br>The item is indicated, but not monitored.         |
| REQ SW-RL<br>[On/Off]     |                                                                   |
| PUSH SW<br>[On/Off]       | The switch status input from push-button ignition switch          |
| UNLK SEN -DR<br>[On/Off]  | Driver door unlock status input from unlock sensor                |
| DOOR SW-DR<br>[On/Off]    | The switch status input from front door switch (driver side)      |
| DOOR SW-AS<br>[On/Off]    | The switch status input from front door switch (passenger side)   |
| DOOR SW-RR<br>[On/Off]    | The switch status input from sliding door switch RH               |
| DOOR SW- RL<br>[On/Off]   | The switch status input from sliding door switch LH               |
| DOOR SW- BK<br>[On/Off]   | The switch status input from back door switch                     |
| CDL LOCK SW<br>[On/Off]   | Lock switch status input from door lock and unlock switch         |
| CDL UNLOCK SW<br>[On/Off] | Unlock switch status input from door lock and unlock switch       |
| TRNK/HAT MNTR<br>[On/Off] | <b>NOTE:</b><br>The item is indicated, but not monitored          |
| KEY CYL LK-SW<br>[On/Off] | Lock switch status received from door key cylinder switch         |
| KEY CYL UN-SW<br>[On/Off] | Unlock switch status received from door key cylinder switch       |
| 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  |

## DIAGNOSIS SYSTEM (BCM)

< SYSTEM DESCRIPTION >

### ACTIVE TEST

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

\*: Each lamp switch is in ON position.

A

B

C

D

E

F

G

H

I

J

K

INL

M

N

O

P

ECU DIAGNOSIS INFORMATION

BCM

List of ECU Reference

INFOID:0000000012405233

| ECU | Reference                                               |
|-----|---------------------------------------------------------|
| BCM | <a href="#">BCS-41, "Reference Value"</a>               |
|     | <a href="#">BCS-63, "Fail-safe"</a>                     |
|     | <a href="#">BCS-63, "DTC Inspection Priority Chart"</a> |
|     | <a href="#">BCS-64, "DTC Index"</a>                     |

cardiagn.com

## INL



## < WIRING DIAGRAM >

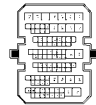


# INTERIOR ROOM LAMP CONTROL SYSTEM

< WIRING DIAGRAM >

## INTERIOR ROOM LAMP

|                |              |
|----------------|--------------|
| Connector No.  | B51          |
| Connector Name | WIRE TO WIRE |
| Connector Type | TH08BWM-C319 |



|    |    |   |
|----|----|---|
| 78 | LG | - |
| 79 | GR | - |
| 80 | BR | - |
| 81 | SB | - |
| 82 | V  | - |
| 83 | G  | - |
| 84 | V  | - |
| 85 | G  | - |
| 86 | V  | - |
| 87 | G  | - |
| 88 | V  | - |
| 89 | G  | - |
| 90 | V  | - |
| 91 | LG | - |
| 92 | L  | - |

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 10           | GR            | -                           |
| 12           | G             | -                           |
| 13           | P             | -                           |
| 15           | L             | -                           |
| 29           | GR            | -                           |
| 30           | W             | -                           |
| 31           | P             | -                           |
| 37           | SHIELD        | -                           |
| 38           | R             | -                           |
| 39           | B             | -                           |
| 40           | W             | -                           |
| 51           | Y             | -                           |
| 52           | B             | -                           |
| 53           | G             | -                           |
| 54           | L             | -                           |
| 55           | L             | -                           |
| 57           | Y             | -                           |
| 58           | L             | -                           |
| 59           | GR            | -                           |
| 60           | Y             | -                           |
| 61           | Y             | -                           |
| 62           | BR            | -                           |
| 63           | L             | -                           |
| 64           | W             | -                           |
| 65           | R             | -                           |
| 66           | SHIELD        | -                           |
| 67           | B             | -                           |
| 68           | W             | -                           |
| 69           | SHIELD        | -                           |
| 70           | W/R           | -                           |
| 71           | B/R           | -                           |
| 72           | BR            | -                           |
| 74           | L             | -                           |
| 75           | SB            | -                           |
| 77           | V             | -                           |

|                |              |
|----------------|--------------|
| Connector No.  | B32          |
| Connector Name | WIRE TO WIRE |
| Connector Type | TH24MM-NH    |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | G             | -                           |
| 2            | B             | -                           |
| 3            | B             | -                           |
| 4            | W             | -                           |
| 5            | Y             | -                           |
| 6            | B             | -                           |
| 9            | SHIELD        | -                           |
| 10           | R             | -                           |
| 11           | B             | -                           |
| 12           | W             | -                           |
| 13           | GR            | -                           |
| 14           | P             | -                           |
| 15           | W             | -                           |
| 16           | G             | -                           |
| 17           | R             | -                           |
| 18           | W             | -                           |
| 19           | GR            | -                           |
| 20           | P             | -                           |
| 21           | W             | -                           |
| 22           | P             | -                           |
| 23           | G             | -                           |
| 24           | BR            | -                           |

|                |                                 |
|----------------|---------------------------------|
| Connector No.  | B65                             |
| Connector Name | FRONT DOOR SWITCH (DRIVER SIDE) |
| Connector Type | TH04BWM                         |



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

|                |              |
|----------------|--------------|
| Connector No.  | B43          |
| Connector Name | WIRE TO WIRE |
| Connector Type | MO8BWM-C5    |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | G             | -                           |
| 2            | SB            | -                           |
| 3            | LG            | -                           |
| 4            | B             | -                           |
| 5            | V             | -                           |
| 6            | LG            | -                           |
| 7            | BR            | -                           |
| 8            | V             | -                           |

|                |                   |
|----------------|-------------------|
| Connector No.  | B61               |
| Connector Name | LUGGAGE ROOM LAMP |
| Connector Type | TH03FW            |



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

|                |                        |
|----------------|------------------------|
| Connector No.  | B71                    |
| Connector Name | SLIDING DOOR SWITCH LH |
| Connector Type | TH03FW-RH              |



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

JRLWVF6603GB

# INTERIOR ROOM LAMP CONTROL SYSTEM

< WIRING DIAGRAM >

## INTERIOR ROOM LAMP

|                |                     |
|----------------|---------------------|
| Connector No.  | B105                |
| Connector Name | JOINT CONNECTOR-B01 |
| Connector Type | A3-2FB              |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | B             | -                           |
| 2            | B             | -                           |
| 3            | B             | -                           |
| 4            | GR            | -                           |
| 5            | GR            | -                           |
| 6            | GR            | -                           |
| 7            | G             | -                           |
| 8            | G             | -                           |
| 9            | G             | -                           |
| 10           | P             | -                           |
| 11           | P             | -                           |
| 12           | P             | -                           |

|                |                     |
|----------------|---------------------|
| Connector No.  | B106                |
| Connector Name | JOINT CONNECTOR-B16 |
| Connector Type | T024FW-J            |



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

|                |                     |
|----------------|---------------------|
| Connector No.  | B108                |
| Connector Name | JOINT CONNECTOR-B08 |
| Connector Type | B130FW              |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 3            | BR            | -                           |
| 4            | BR            | -                           |
| 5            | G             | -                           |
| 6            | G             | -                           |
| 13           | V             | -                           |
| 14           | V             | -                           |
| 15           | V             | -                           |
| 17           | GR            | -                           |
| 18           | GR            | -                           |
| 19           | GR            | -                           |
| 20           | GR            | -                           |
| 21           | GR            | -                           |
| 22           | GR            | -                           |
| 23           | P             | -                           |
| 24           | P             | -                           |
| 25           | B             | -                           |
| 27           | B             | -                           |
| 28           | B             | -                           |
| 30           | W             | -                           |
| 31           | W             | -                           |
| 32           | W             | -                           |

|                |                         |
|----------------|-------------------------|
| Connector No.  | B114                    |
| Connector Name | JOINT CONNECTOR-B02-B10 |
| Connector Type | T024FW-J                |



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

|                |                        |
|----------------|------------------------|
| Connector No.  | B221                   |
| Connector Name | SLIDING DOOR SWITCH RH |
| Connector Type | T024FW-RH              |



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

|                |              |
|----------------|--------------|
| Connector No.  | B225         |
| Connector Name | WIRE TO WIRE |
| Connector Type | T1304PW-NH   |



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

|                |                                    |
|----------------|------------------------------------|
| Connector No.  | B225                               |
| Connector Name | FRONT DOOR SWITCH (PASSENGER SIDE) |
| Connector Type | T104PW-NH                          |



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

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A  
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O  
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# INTERIOR ROOM LAMP CONTROL SYSTEM

< WIRING DIAGRAM >

## INTERIOR ROOM LAMP

|                |                          |
|----------------|--------------------------|
| Connector No.  | D25                      |
| Connector Name | POWER WINDOW MAIN SWITCH |
| Connector Type | NS16FW-CS                |



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

| Terminal No. | Color Of Wire | Signal Name [Specification]                        |
|--------------|---------------|----------------------------------------------------|
| 1            | Y             | SLIDING DOOR POWER WINDOW MOTOR LH UP SIGNAL       |
| 2            | P             | ENCORDER GROUND                                    |
| 3            | BR            | SLIDING DOOR POWER WINDOW MOTOR LH DOWN SIGNAL     |
| 4            | G             | DOOR KEY CYLINDER SWITCH LOCK SIGNAL               |
| 5            | SB            | SLIDING DOOR POWER WINDOW MOTOR RH DOWN SIGNAL     |
| 6            | GR            | DOOR KEY CYLINDER SWITCH UNLOCK SIGNAL             |
| 7            | V             | SLIDING DOOR POWER WINDOW MOTOR RH UP SIGNAL       |
| 8            | L             | TRUNK POWER WINDOW MOTOR (DRIVER SIDE) UP SIGNAL   |
| 9            | W             | ENCORDER SIGNAL 2                                  |
| 10           | GR            | RETAINED POWER SIGNAL                              |
| 11           | Y             | FRONT POWER WINDOW MOTOR (DRIVER SIDE) DOWN SIGNAL |
| 12           | LG            | -                                                  |
| 13           | GR            | ENCORDER SIGNAL 1                                  |
| 14           | R             | POWER WINDOW SERIAL LINK                           |
| 15           | G             | ENCORDER POWER SUPPLY                              |
| 16           | L             | -                                                  |

|                |                          |
|----------------|--------------------------|
| Connector No.  | D26                      |
| Connector Name | POWER WINDOW MAIN SWITCH |
| Connector Type | NS03FW-CS                |



|    |    |    |
|----|----|----|
| 17 | 18 | 19 |
|----|----|----|

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 17           | B             | GROUND                      |
| 18           | G             | -                           |
| 19           | Y             | BATTERY POWER SUPPLY        |

|                |                            |
|----------------|----------------------------|
| Connector No.  | D17                        |
| Connector Name | STEP LAMP (PASSENGER SIDE) |
| Connector Type | TK02FW                     |



|    |
|----|
| 21 |
|----|

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

|                |              |
|----------------|--------------|
| Connector No.  | D21          |
| Connector Name | WIRE TO WIRE |
| Connector Type | TH40FW-CS15  |



|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 7            | B             | -                           |
| 8            | V             | -                           |
| 9            | BR            | - [With manual A/C]         |
| 10           | LG            | - [With auto A/C]           |
| 11           | LG            | -                           |
| 12           | BR            | -                           |
| 14           | B             | - [Without BOSE system]     |
| 14           | R             | - [With BOSE system]        |
| 15           | L             | - [Without BOSE system]     |
| 15           | W             | - [With BOSE system]        |
| 16           | P             | -                           |
| 17           | GR            | -                           |
| 18           | R             | -                           |
| 19           | W             | -                           |
| 21           | R             | -                           |
| 22           | B             | -                           |
| 23           | W             | -                           |

|    |        |   |
|----|--------|---|
| 24 | SHIELD | - |
| 25 | L      | - |
| 26 | P      | - |
| 27 | G      | - |
| 38 | W      | - |
| 39 | LG     | - |
| 40 | B      | - |
| 41 | GR     | - |
| 42 | G      | - |
| 43 | R      | - |
| 45 | G      | - |
| 46 | GR     | - |
| 50 | W      | - |
| 51 | R      | - |
| 52 | G      | - |
| 53 | SHIELD | - |
| 54 | B      | - |
| 55 | W      | - |

|                |                                       |
|----------------|---------------------------------------|
| Connector No.  | D31                                   |
| Connector Name | FRONT DOOR OUTSIDE HANDLE ASSEMBLY RH |
| Connector Type | PH04AB                                |



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

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

|                |                                       |
|----------------|---------------------------------------|
| Connector No.  | D32                                   |
| Connector Name | FRONT DOOR OUTSIDE HANDLE ASSEMBLY LH |
| Connector Type | PH04AB                                |



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

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

|                |              |
|----------------|--------------|
| Connector No.  | D41          |
| Connector Name | WIRE TO WIRE |
| Connector Type | TH40FW-CS15  |



|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | B             | -                           |
| 2            | V             | -                           |
| 3            | SB            | -                           |
| 4            | V             | -                           |
| 5            | BR            | -                           |
| 6            | L             | -                           |
| 7            | Y             | -                           |
| 8            | GR            | -                           |
| 9            | G             | - [With manual A/C]         |
| 9            | R             | - [With auto A/C]           |
| 10           | Y             | -                           |
| 11           | BR            | -                           |
| 12           | LG            | -                           |
| 13           | W             | -                           |
| 14           | B             | -                           |
| 15           | L             | - [Without BOSE system]     |

# INTERIOR ROOM LAMP CONTROL SYSTEM

< WIRING DIAGRAM >

## INTERIOR ROOM LAMP

| Pin | W      | G | [With BOSE system]                     |
|-----|--------|---|----------------------------------------|
| 15  | G      | - | -                                      |
| 16  | G      | - | -                                      |
| 17  | G      | - | -                                      |
| 18  | G      | - | -                                      |
| 19  | P      | - | -                                      |
| 20  | W      | - | -                                      |
| 21  | GR     | - | -                                      |
| 22  | P      | - | -                                      |
| 23  | R      | - | -                                      |
| 24  | B      | - | -                                      |
| 25  | W      | - | -                                      |
| 26  | SHIELD | - | -                                      |
| 27  | R      | - | -                                      |
| 28  | P      | - | -                                      |
| 29  | GR     | - | -                                      |
| 30  | P      | - | -                                      |
| 31  | W      | - | -                                      |
| 32  | G      | - | -                                      |
| 33  | P      | - | -                                      |
| 34  | W      | - | -                                      |
| 35  | G      | - | -                                      |
| 36  | P      | - | -                                      |
| 37  | G      | - | -                                      |
| 38  | W      | - | -                                      |
| 39  | LG     | - | -                                      |
| 40  | GR     | - | -                                      |
| 41  | GR     | - | -                                      |
| 42  | G      | - | -                                      |
| 43  | R      | - | -                                      |
| 44  | B      | - | -                                      |
| 45  | Y      | - | - [Without around view monitor]        |
| 46  | GR     | - | - [With around view monitor]           |
| 47  | L      | - | - [Without around view monitor]        |
| 48  | GR     | - | - [With around view monitor]           |
| 49  | B      | - | -                                      |
| 50  | R      | - | - [With automatic drive positioner]    |
| 51  | G      | - | - [Without automatic drive positioner] |
| 52  | P      | - | - [With automatic drive positioner]    |
| 53  | R      | - | - [Without automatic drive positioner] |
| 54  | G      | - | - [With automatic drive positioner]    |
| 55  | W      | - | -                                      |

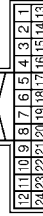
| Connector No.  | 1448                                   |
|----------------|----------------------------------------|
| Connector Name | FRONT DOOR LOCK ASSEMBLY (DRIVER SIDE) |
| Connector Type | MS13PW-1S                              |



| Connector No.  | 1555                                       |
|----------------|--------------------------------------------|
| Connector Name | FRONT POWER WINDOW SWITCH (PASSENGER SIDE) |
| Connector Type | MS13PW-1S                                  |



| Connector No.  | 1552         |
|----------------|--------------|
| Connector Name | WIRE TO WIRE |
| Connector Type | 7P-24PW-1M   |



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

| Connector No.  | 1551                    |
|----------------|-------------------------|
| Connector Name | STEP LAMP (DRIVER SIDE) |
| Connector Type | 7P-22W                  |



| Terminal No. | Color Of Wire | Signal Name [Specification]                          |
|--------------|---------------|------------------------------------------------------|
| 3            | GR            | ENCORDER GROUND                                      |
| 4            | G             | ENCORDER POWER SUPPLY                                |
| 8            | L             | FRONT POWER WINDOW MOTOR PASSENGER SIDE LAMP SIGNAL  |
| 9            | LG            | FRONT POWER WINDOW MOTOR PASSENGER SIDE POWER SIGNAL |
| 10           | V             | BATTERY POWER SUPPLY                                 |
| 11           | B             | GROUND                                               |
| 12           | P             | ENCORDER SIGNAL 1                                    |
| 15           | R             | ENCORDER SIGNAL 2                                    |
| 16           | W             | POWER WINDOW SERIAL LINK                             |

| Connector No.  | 1558                                       |
|----------------|--------------------------------------------|
| Connector Name | FRONT POWER WINDOW SWITCH (PASSENGER SIDE) |
| Connector Type | MS12PW-1S                                  |



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

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | GR            | -                           |
| 2            | G             | -                           |
| 3            | B             | -                           |
| 6            | LG            | -                           |
| 7            | L             | -                           |
| 8            | V             | -                           |
| 11           | LG            | -                           |
| 12           | BR            | -                           |

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | SB            | -                           |
| 2            | B             | -                           |
| 3            | P             | -                           |
| 4            | V             | -                           |
| 5            | Y             | -                           |
| 6            | LG            | -                           |
| 9            | SHIELD        | -                           |
| 10           | W             | -                           |
| 11           | R             | -                           |
| 12           | B             | -                           |
| 13           | R             | -                           |
| 14           | G             | -                           |
| 15           | P             | -                           |
| 16           | O             | -                           |
| 17           | G             | -                           |
| 18           | GR            | -                           |
| 19           | BR            | -                           |
| 20           | O             | -                           |
| 21           | LG            | -                           |
| 22           | V             | -                           |
| 23           | W             | -                           |
| 24           | V             | -                           |

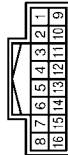
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# INTERIOR ROOM LAMP CONTROL SYSTEM

< WIRING DIAGRAM >

## INTERIOR ROOM LAMP

|                |              |
|----------------|--------------|
| Connector No.  | D159         |
| Connector Name | WIRE TO WIRE |
| Connector Type | TH-156W-4M   |



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

|                |                                  |
|----------------|----------------------------------|
| Connector No.  | D169                             |
| Connector Name | AUTOMATIC BACK DOOR CLOSE SWITCH |
| Connector Type | 1K05EG                           |



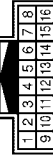
| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | G             | -                           |
| 2            | B             | -                           |
| 3            | W             | -              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

|                |                                  |
|----------------|----------------------------------|
| Connector No.  | D168                             |
| Connector Name | BACK DOOR OPENER SWITCH ASSEMBLY |
| Connector Type | TH-164W-4M                       |



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

|                |              |
|----------------|--------------|
| Connector No.  | D168         |
| Connector Name | WIRE TO WIRE |
| Connector Type | TH-164W-4M   |



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

|                |                         |
|----------------|-------------------------|
| Connector No.  | D159                    |
| Connector Name | BACK DOOR LOCK ASSEMBLY |
| Connector Type | 1K05W-4CS               |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | BR            | -                           |
| 2            | V             | -                           |
| 4            | R             | -                           |
| 5            | W             | -                           |
| 6            | G             | -                           |
| 7            | P             | -                           |
| 8            | R             | -                           |

|                |                 |
|----------------|-----------------|
| Connector No.  | E105            |
| Connector Name | WIRE TO WIRE    |
| Connector Type | TH-20MW-4S10-A3 |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | SHIELD        | -                           |
| 2            | W             | -                           |
| 3            | B             | -                           |
| 4            | R             | -                           |
| 6            | LG            | -                           |
| 7            | R             | -                           |
| 8            | GR            | -                           |
| 9            | V             | -                           |
| 10           | BR            | -                           |
| 11           | Y             | -                           |
| 12           | O             | -                           |
| 13           | W             | -                           |
| 14           | L             | -                           |

|    |        |   |
|----|--------|---|
| 11 | P      | - |
| 12 | GR     | - |
| 13 | Y      | - |
| 17 | BR     | - |
| 37 | G      | - |
| 38 | G      | - |
| 39 | V      | - |
| 40 | P      | - |
| 41 | L      | - |
| 42 | LG     | - |
| 43 | O      | - |
| 45 | P      | - |
| 46 | SB     | - |
| 47 | V      | - |
| 49 | L      | - |
| 51 | BR     | - |
| 52 | G      | - |
| 53 | B      | - |
| 54 | O      | - |
| 55 | Y      | - |
| 56 | SHIELD | - |
| 61 | P      | - |
| 62 | G      | - |
| 63 | W/L    | - |
| 64 | W/R    | - |
| 66 | W      | - |
| 67 | Y      | - |
| 69 | R      | - |
| 71 | R      | - |
| 72 | GR     | - |
| 73 | Y      | - |
| 75 | SB     | - |
| 76 | Y      | - |
| 77 | G      | - |
| 78 | O      | - |
| 80 | R      | - |
| 81 | L      | - |
| 82 | LG     | - |
| 83 | R      | - |

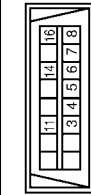
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# INTERIOR ROOM LAMP CONTROL SYSTEM

< WIRING DIAGRAM >

## INTERIOR ROOM LAMP

|                |                     |
|----------------|---------------------|
| Connector No.  | M4                  |
| Connector Name | DATA LINK CONNECTOR |
| Connector Type | 8P35P4W             |



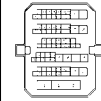
| Terminal No. | Color Of Wire | Signal Name (Specification) |
|--------------|---------------|-----------------------------|
| 3            | LG            | -                           |
| 4            | GR            | -                           |
| 5            | GR            | -                           |
| 6            | L             | -                           |
| 7            | R             | -                           |
| 8            | G             | -                           |
| 11           | SB            | -                           |
| 14           | P             | -                           |
| 16           | P             | -                           |

|                |                  |
|----------------|------------------|
| Connector No.  | M6               |
| Connector Name | FUSE BLOCK (I/B) |
| Connector Type | C56FW42          |



| Terminal No. | Color Of Wire | Signal Name (Specification) |
|--------------|---------------|-----------------------------|
| 1A           | Y             | -                           |
| 2A           | G             | -                           |
| 3A           | L             | -                           |
| 4A           | GR            | -                           |
| 5A           | V             | -                           |
| 6A           | R             | -                           |
| 7A           | GR            | -                           |
| 8A           | L             | -                           |

|                |                 |
|----------------|-----------------|
| Connector No.  | M11             |
| Connector Name | WIRE TO WIRE    |
| Connector Type | 7P70PW-C510-143 |



| Terminal No. | Color Of Wire | Signal Name (Specification)            |
|--------------|---------------|----------------------------------------|
| 1            | SHIELD        | -                                      |
| 2            | W             | -                                      |
| 3            | B             | -                                      |
| 4            | R             | -                                      |
| 6            | G             | -                                      |
| 7            | R             | -                                      |
| 8            | G             | -                                      |
| 9            | B             | -                                      |
| 10           | R             | -                                      |
| 11           | W             | -                                      |
| 12           | L             | - [Without automatic drive positioner] |
| 12           | LG            | - [With automatic drive positioner]    |
| 13           | G             | - [Without automatic drive positioner] |
| 13           | Y             | - [With automatic drive positioner]    |
| 14           | L             | -                                      |
| 15           | P             | -                                      |
| 16           | R             | -                                      |
| 17           | LG            | -                                      |
| 17           | BR            | - [With automatic drive positioner]    |
| 17           | W             | - [Without automatic drive positioner] |
| 18           | R             | -                                      |
| 18           | BE            | - [Without automatic drive positioner] |
| 19           | Y             | - [With automatic drive positioner]    |
| 19           | P             | - [Without automatic drive positioner] |
| 40           | P             | -                                      |
| 41           | L             | -                                      |
| 42           | G             | -                                      |
| 43           | W             | -                                      |
| 45           | P             | -                                      |
| 46           | V             | -                                      |
| 47           | R             | -                                      |
| 49           | G             | -                                      |
| 51           | G             | -                                      |
| 52           | W             | -                                      |
| 53           | B             | -                                      |
| 54           | LG            | -                                      |
| 55           | L             | -                                      |

|    |        |   |
|----|--------|---|
| 56 | SHIELD | - |
| 61 | R      | - |
| 62 | W      | - |
| 63 | W      | - |
| 66 | W      | - |
| 67 | BR     | - |
| 69 | P      | - |
| 71 | R      | - |
| 72 | L      | - |
| 73 | LG     | - |
| 74 | V      | - |
| 75 | V      | - |
| 76 | V      | - |
| 77 | P      | - |
| 78 | BR     | - |
| 80 | Y      | - |
| 81 | W      | - |
| 82 | L      | - |
| 83 | R      | - |



| Terminal No. | Color Of Wire | Signal Name (Specification) |
|--------------|---------------|-----------------------------|
| 1            | B             | -                           |
| 2            | R             | -                           |
| 3            | W             | -                           |
| 4            | Y             | -                           |
| 5            | SB            | -                           |
| 6            | LG            | -                           |
| 7            | V             | -                           |
| 8            | L             | -                           |
| 9            | GR            | -                           |
| 10           | Y             | -                           |
| 11           | V             | -                           |
| 12           | G             | -                           |
| 13           | G             | -                           |
| 14           | B             | - [Without BDE system]      |
| 14           | R             | - [With BDE system]         |
| 15           | W             | - [Without BDE system]      |
| 15           | W             | - [With BDE system]         |
| 16           | W             | -                           |
| 17           | BE            | -                           |
| 18           | P             | -                           |
| 19           | W             | -                           |
| 20           | LG            | -                           |
| 21           | P             | -                           |
| 22           | G             | -                           |
| 23           | R             | -                           |
| 24           | B             | -                           |
| 25           | W             | -                           |
| 26           | SHIELD        | -                           |
| 27           | Y             | -                           |
| 28           | G             | -                           |
| 29           | W             | -                           |
| 30           | R             | -                           |
| 31           | W             | -                           |
| 32           | G             | -                           |
| 33           | BE            | -                           |
| 34           | P             | -                           |

|                |              |
|----------------|--------------|
| Connector No.  | M12          |
| Connector Name | WIRE TO WIRE |
| Connector Type | H028FW-C5    |



| Terminal No. | Color Of Wire | Signal Name (Specification)            |
|--------------|---------------|----------------------------------------|
| 1            | P             | -                                      |
| 2            | V             | -                                      |
| 3            | BR            | - [Without automatic drive positioner] |
| 3            | P             | - [With automatic drive positioner]    |
| 4            | B             | -                                      |
| 5            | L             | -                                      |
| 6            | Y             | -                                      |
| 7            | SB            | -                                      |
| 8            | G             | -                                      |

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

INL

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# INTERIOR ROOM LAMP CONTROL SYSTEM

## < WIRING DIAGRAM >

### INTERIOR ROOM LAMP

|    |    |                                        |
|----|----|----------------------------------------|
| 35 | W  | -                                      |
| 36 | G  | -                                      |
| 37 | W  | -                                      |
| 38 | P  | -                                      |
| 39 | V  | -                                      |
| 40 | R  | -                                      |
| 41 | B  | -                                      |
| 42 | W  | -                                      |
| 43 | G  | -                                      |
| 44 | B  | -                                      |
| 45 | GR | - [With around view monitor]           |
| 46 | GR | - [Without around view monitor]        |
| 47 | GR | - [With around view monitor]           |
| 48 | GR | -                                      |
| 49 | P  | - [Without automatic drive positioner] |
| 50 | GR | - [With automatic drive positioner]    |
| 51 | W  | - [Without automatic drive positioner] |
| 52 | G  | - [With automatic drive positioner]    |
| 53 | GR | - [Without automatic drive positioner] |
| 54 | W  | -                                      |
| 55 | B  | -                                      |

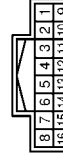
|                |              |
|----------------|--------------|
| Connector No.  | M20          |
| Connector Name | WIRE TO WIRE |
| Connector Type | TH48PW-CS15  |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 7            | B             | -                           |
| 8            | L             | - [With manual A/C]         |
| 9            | GR            | - [With auto A/C]           |
| 10           | V             | - [With manual A/C]         |
| 11           | SB            | -                           |

|    |        |                         |
|----|--------|-------------------------|
| 12 | V      | -                       |
| 13 | L      | - [Without Bose system] |
| 14 | Y      | - [With Bose system]    |
| 15 | LG     | -                       |
| 16 | G      | -                       |
| 17 | P      | -                       |
| 18 | R      | -                       |
| 19 | LG     | -                       |
| 20 | B      | -                       |
| 21 | R      | -                       |
| 22 | B      | -                       |
| 23 | W      | -                       |
| 24 | SHIELD | -                       |
| 25 | B      | -                       |
| 26 | W      | -                       |
| 27 | W      | -                       |
| 28 | P      | -                       |
| 29 | Y      | -                       |
| 30 | B      | -                       |
| 31 | GR     | -                       |
| 32 | SHIELD | -                       |
| 33 | W      | -                       |
| 34 | W      | -                       |
| 35 | B      | -                       |

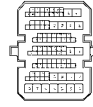
|                |              |
|----------------|--------------|
| Connector No.  | M22          |
| Connector Name | WIRE TO WIRE |
| Connector Type | TH16FW-AH    |



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

|    |        |   |
|----|--------|---|
| 5  | B      | - |
| 6  | BE     | - |
| 7  | Y      | - |
| 8  | P      | - |
| 9  | R      | - |
| 10 | G      | - |
| 11 | GR     | - |
| 12 | GR     | - |
| 13 | P      | - |
| 14 | B      | - |
| 15 | SHIELD | - |
| 16 | W      | - |

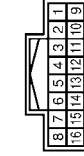
|                |              |
|----------------|--------------|
| Connector No.  | M77          |
| Connector Name | WIRE TO WIRE |
| Connector Type | TH80FW-CS19  |



| Terminal No. | Color Of Wire | Signal Name [Specification]     |
|--------------|---------------|---------------------------------|
| 10           | P             | -                               |
| 11           | BE            | -                               |
| 12           | R             | -                               |
| 13           | W             | -                               |
| 14           | W             | -                               |
| 15           | P             | -                               |
| 16           | BE            | -                               |
| 17           | SHIELD        | -                               |
| 18           | B             | - [Without around view monitor] |
| 19           | W             | - [With around view monitor]    |
| 20           | B             | - [Without around view monitor] |
| 21           | W             | - [With around view monitor]    |
| 22           | R             | -                               |
| 23           | LG            | -                               |
| 24           | B             | -                               |
| 25           | BE            | -                               |
| 26           | P             | -                               |
| 27           | Y             | -                               |
| 28           | L             | -                               |
| 29           | W             | -                               |
| 30           | BE            | -                               |
| 31           | LG            | -                               |
| 32           | B             | -                               |
| 33           | W             | -                               |
| 34           | B             | -                               |
| 35           | BE            | -                               |
| 36           | P             | -                               |
| 37           | Y             | -                               |
| 38           | L             | -                               |
| 39           | W             | -                               |
| 40           | BE            | -                               |
| 41           | LG            | -                               |
| 42           | B             | -                               |
| 43           | W             | -                               |
| 44           | B             | -                               |
| 45           | BE            | -                               |
| 46           | P             | -                               |
| 47           | Y             | -                               |
| 48           | L             | -                               |
| 49           | W             | -                               |
| 50           | BE            | -                               |
| 51           | LG            | -                               |
| 52           | B             | -                               |
| 53           | W             | -                               |
| 54           | B             | -                               |
| 55           | BE            | -                               |
| 56           | P             | -                               |
| 57           | Y             | -                               |
| 58           | L             | -                               |
| 59           | W             | -                               |
| 60           | G             | -                               |
| 61           | LG            | -                               |

|    |        |                                        |
|----|--------|----------------------------------------|
| 62 | SB     | -                                      |
| 63 | R      | -                                      |
| 64 | BE     | -                                      |
| 65 | G      | -                                      |
| 66 | SHIELD | -                                      |
| 67 | B      | -                                      |
| 68 | W      | -                                      |
| 69 | SHIELD | -                                      |
| 70 | B      | -                                      |
| 71 | W      | -                                      |
| 72 | G      | -                                      |
| 73 | GR     | -                                      |
| 74 | G      | -                                      |
| 75 | W      | -                                      |
| 76 | R      | -                                      |
| 77 | W      | -                                      |
| 78 | R      | -                                      |
| 79 | W      | -                                      |
| 80 | G      | -                                      |
| 81 | L      | -                                      |
| 82 | W      | -                                      |
| 83 | V      | -                                      |
| 84 | LG     | -                                      |
| 85 | GR     | -                                      |
| 86 | R      | -                                      |
| 87 | Y      | - [With automatic drive positioner]    |
| 88 | Y      | - [Without automatic drive positioner] |
| 89 | LG     | -                                      |
| 90 | BR     | -                                      |

|                |              |
|----------------|--------------|
| Connector No.  | M79          |
| Connector Name | WIRE TO WIRE |
| Connector Type | TH16FW-AH    |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 2            | GR            | -                           |
| 3            | B             | -                           |
| 4            | P             | -                           |
| 5            | BR            | -                           |
| 9            | L             | -                           |
| 10           | P             | -                           |
| 11           | W             | -                           |
| 12           | R             | -                           |

JRLWF6609GB

# INTERIOR ROOM LAMP CONTROL SYSTEM

< WIRING DIAGRAM >

## INTERIOR ROOM LAMP

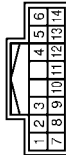
|    |    |   |
|----|----|---|
| 13 | BE | - |
| 14 | W  | - |
| 15 | G  | - |
| 20 | P  | - |

|                |                             |
|----------------|-----------------------------|
| Connector No.  | M101                        |
| Connector Name | PUSH-BUTTON IGNITION SWITCH |
| Connector Type | TH03FBR                     |



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

|                |                    |
|----------------|--------------------|
| Connector No.  | M103               |
| Connector Name | COMBINATION SWITCH |
| Connector Type | TH15FW-NH          |



| Terminal No. | Color | Wire | Signal Name [Specification] |
|--------------|-------|------|-----------------------------|
| 1            | R     | -    | RR                          |
| 2            | G     | -    | OUTPUT 4                    |
| 3            | P     | -    | FR                          |
| 4            | W     | -    | IGN                         |
| 5            | BE    | -    | OUTPUT 3                    |
| 6            | B/Y   | -    | GROUND                      |

|    |    |          |
|----|----|----------|
| 7  | P  | INPUT 3  |
| 8  | R  | OUTPUT 5 |
| 9  | W  | INPUT 1  |
| 10 | GR | INPUT 2  |
| 11 | R  | INPUT 4  |
| 12 | W  | OUTPUT 1 |
| 13 | B  | INPUT 5  |
| 14 | G  | OUTPUT 2 |

|                |                     |
|----------------|---------------------|
| Connector No.  | M106                |
| Connector Name | JOINT CONNECTOR-M15 |
| Connector Type | B130FW              |



| Terminal No. | Color | Wire | Signal Name [Specification]            |
|--------------|-------|------|----------------------------------------|
| 1            | B     | -    | -                                      |
| 2            | B     | -    | -                                      |
| 3            | B     | -    | -                                      |
| 4            | L     | -    | -                                      |
| 5            | L     | -    | -                                      |
| 6            | GR    | -    | -                                      |
| 7            | Y     | -    | -                                      |
| 8            | Y     | -    | -                                      |
| 9            | Y     | -    | -                                      |
| 10           | Y     | -    | -                                      |
| 11           | Y     | -    | -                                      |
| 12           | R     | -    | -                                      |
| 13           | R     | -    | -                                      |
| 14           | R     | -    | -                                      |
| 15           | R     | -    | -                                      |
| 16           | Y     | -    | -                                      |
| 17           | Y     | -    | -                                      |
| 18           | Y     | -    | -                                      |
| 19           | Y     | -    | -                                      |
| 20           | Y     | -    | -                                      |
| 21           | G     | -    | - [Without automatic drive positioner] |
| 22           | G     | -    | - [With automatic drive positioner]    |
| 23           | GR    | -    | - [Without automatic drive positioner] |
| 24           | GR    | -    | - [With automatic drive positioner]    |
| 25           | GR    | -    | -                                      |
| 26           | V     | -    | -                                      |
| 27           | V     | -    | -                                      |
| 28           | V     | -    | -                                      |

|    |    |   |
|----|----|---|
| 29 | SB | - |
| 30 | BE | - |
| 31 | SB | - |
| 32 | BE | - |

|                |                     |
|----------------|---------------------|
| Connector No.  | M107                |
| Connector Name | JOINT CONNECTOR-M14 |
| Connector Type | B130FW              |



| Terminal No. | Color | Wire | Signal Name [Specification]            |
|--------------|-------|------|----------------------------------------|
| 2            | R     | -    | -                                      |
| 3            | R     | -    | -                                      |
| 4            | R     | -    | -                                      |
| 5            | O     | -    | -                                      |
| 6            | O     | -    | -                                      |
| 7            | O     | -    | -                                      |
| 8            | O     | -    | -                                      |
| 9            | P     | -    | -                                      |
| 10           | P     | -    | -                                      |
| 11           | O     | -    | -                                      |
| 12           | Y     | -    | -                                      |
| 13           | Y     | -    | -                                      |
| 14           | Y     | -    | -                                      |
| 15           | B     | -    | -                                      |
| 16           | B     | -    | -                                      |
| 17           | B     | -    | -                                      |
| 18           | B     | -    | -                                      |
| 19           | Y     | -    | -                                      |
| 20           | Y     | -    | -                                      |
| 21           | V     | -    | - [Without automatic drive positioner] |
| 22           | G     | -    | - [With automatic drive positioner]    |
| 23           | V     | -    | - [Without automatic drive positioner] |
| 24           | V     | -    | - [With automatic drive positioner]    |
| 25           | LG    | -    | -                                      |
| 26           | LG    | -    | -                                      |
| 27           | V     | -    | -                                      |
| 28           | P     | -    | -                                      |
| 29           | P     | -    | -                                      |
| 30           | P     | -    | -                                      |
| 31           | P     | -    | -                                      |
| 32           | P     | -    | -                                      |
| 33           | P     | -    | -                                      |

|                |                         |
|----------------|-------------------------|
| Connector No.  | M121                    |
| Connector Name | BCM BODY CONTROL MODULE |
| Connector Type | TH45FB-NH               |



| Terminal No. | Color | Wire | Signal Name [Specification]                   |
|--------------|-------|------|-----------------------------------------------|
| 1            | W     | -    | REAR WINDOW DEF RELAY CONT                    |
| 2            | R     | -    | COMBI SW INPUT 5                              |
| 3            | G     | -    | COMBI SW INPUT 4                              |
| 4            | BE    | -    | COMBI SW INPUT 3                              |
| 5            | G     | -    | COMBI SW INPUT 2                              |
| 6            | W     | -    | COMBI SW INPUT 1                              |
| 7            | W     | -    | KEY CYL UNLOCK SW                             |
| 8            | GR    | -    | PW SW COMV [With automatic side door]         |
| 9            | GR    | -    | KEY CYL LOCK SW [Without automatic side door] |
| 10           | GR    | -    | STOP LAMP SW 1                                |
| 11           | GR    | -    | DOOR LK & UNLK SW LOCK                        |
| 12           | GR    | -    | DOOR LK & UNLK SW UNLOCK                      |
| 13           | BR    | -    | OPTICAL SENS                                  |
| 14           | L     | -    | REAR WINDOW DEF SW                            |
| 15           | W     | -    | DOWNER                                        |
| 16           | Y     | -    | SAES SW SWV                                   |
| 17           | O     | -    | RECEIVED SW                                   |
| 18           | GR    | -    | SECURITY SW                                   |
| 19           | W     | -    | SECURITY SW COMT                              |
| 20           | P     | -    | WATER ANT AMP                                 |
| 21           | O     | -    | A/C ON                                        |
| 22           | O     | -    | BLOWER FAN ON                                 |
| 23           | BR    | -    | HAZARD SW                                     |
| 24           | P     | -    | BL DOOR OPN SW                                |
| 25           | L     | -    | DR DOOR UNLK SENS                             |
| 26           | R     | -    | COMBI SW OUTPUT 5                             |
| 27           | R     | -    | COMBI SW OUTPUT 4                             |
| 28           | P     | -    | COMBI SW OUTPUT 3                             |
| 29           | P     | -    | COMBI SW OUTPUT 2                             |
| 30           | GR    | -    | COMBI SW OUTPUT 1                             |
| 31           | GR    | -    | DETENT SW                                     |
| 32           | G     | -    | RECEIVED SW                                   |
| 33           | BE    | -    | CAN-H                                         |
| 34           | L     | -    | CAN-L                                         |

JRLWF6610GB

# INTERIOR ROOM LAMP CONTROL SYSTEM

< WIRING DIAGRAM >

## INTERIOR ROOM LAMP

|                |                           |
|----------------|---------------------------|
| Connector No.  | M122                      |
| Connector Name | BCM (BODY CONTROL MODULE) |
| Connector Type | TEAD3FW-F14A6-5A          |



|    |    |    |    |    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|----|----|----|----|----|
| 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 53 | 54 | 55 |
|----|----|----|----|----|----|----|----|----|----|----|----|

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 43           | P             | REAR WIPER STOP POSITION    |
| 44           | GR            | PASS DOOR SW                |
| 45           | W             | SL DOOR RH SW               |
| 46           | R             | SL DOOR LH SW               |
| 47           | G             | LUGGAGE LAMP CONT           |
| 48           | BE            | SELECT UNLK RELAY CONT      |
| 49           | B             | BACK DOOR REO SW            |
| 50           | V             | REAR WIPER OPEN             |
| 51           | G             | REAR WIPER OUTPUT           |
| 53           | BR            | SL DOOR LH UNLK CONT        |
| 54           | R             |                             |
| 55           | G             |                             |

|                |                           |
|----------------|---------------------------|
| Connector No.  | M123                      |
| Connector Name | BCM (BODY CONTROL MODULE) |
| Connector Type | TEAD3FW-F14A6-5A          |



|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 56           | P             | INT ROOM LAMP PWR SPLY      |
| 57           | Y             | BAT                         |
| 58           | O             | AIR BAG                     |
| 59           | SB            | PASS DOOR UNLK OUTPUT       |
| 60           | V             | TURN SIG LH OUTPUT          |
| 61           | G             | TURN SIG RH OUTPUT          |
| 62           | W             | STEP LAMP CONT              |
| 63           | R             | INT ROOM LAMP CONT          |

|    |   |                      |
|----|---|----------------------|
| 64 | W | CRASH REQ            |
| 65 | V | ALL DOOR UNLK OUTPUT |
| 66 | G | DR DOOR UNLK OUTPUT  |
| 67 | B | CRASH REQ            |
| 68 | L | PWR PWR SPLY (GN)    |
| 69 | P | PWR PWR SPLY (BAT)   |
| 70 | L | BAT                  |

|                |                           |
|----------------|---------------------------|
| Connector No.  | M124                      |
| Connector Name | BCM (BODY CONTROL MODULE) |
| Connector Type | TH12FW-NH                 |



|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    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    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     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|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-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| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 | 101 | 102 | 103 | 104 | 105 | 106 | 107 | 108 | 109 | 110 | 111 | 112 | 113 | 114 | 115 | 116 | 117 | 118 | 119 | 120 | 121 | 122 | 123 | 124 | 125 | 126 | 127 | 128 | 129 | 130 | 131 | 132 | 133 | 134 | 135 | 136 | 137 | 138 | 139 | 140 | 141 | 142 | 143 | 144 | 145 | 146 | 147 | 148 | 149 | 150 | 151 | 152 | 153 | 154 | 155 | 156 | 157 | 158 | 159 | 160 | 161 | 162 | 163 | 164 | 165 | 166 | 167 | 168 | 169 | 170 | 171 | 172 | 173 | 174 | 175 | 176 | 177 | 178 | 179 | 180 | 181 | 182 | 183 | 184 | 185 | 186 | 187 | 188 | 189 | 190 | 191 | 192 | 193 | 194 | 195 | 196 | 197 | 198 | 199 | 200 | 201 | 202 | 203 | 204 | 205 | 206 | 207 | 208 | 209 | 210 | 211 | 212 | 213 | 214 | 215 | 216 | 217 | 218 | 219 | 220 | 221 | 222 | 223 | 224 | 225 | 226 | 227 | 228 | 229 | 230 | 231 | 232 | 233 | 234 | 235 | 236 | 237 | 238 | 239 | 240 | 241 | 242 | 243 | 244 | 245 | 246 | 247 | 248 | 249 | 250 | 251 | 252 | 253 | 254 | 255 | 256 | 257 | 258 | 259 | 260 | 261 | 262 | 263 | 264 | 265 | 266 | 267 | 268 | 269 | 270 | 271 | 272 | 273 | 274 | 275 | 276 | 277 | 278 | 279 | 280 | 281 | 282 | 283 | 284 | 285 | 286 | 287 | 288 | 289 | 290 | 291 | 292 | 293 | 294 | 295 | 296 | 297 | 298 | 299 | 300 | 301 | 302 | 303 | 304 | 305 | 306 | 307 | 308 | 309 | 310 | 311 | 312 | 313 | 314 | 315 | 316 | 317 | 318 | 319 | 320 | 321 | 322 | 323 | 324 | 325 | 326 | 327 | 328 | 329 | 330 | 331 | 332 | 333 | 334 | 335 | 336 | 337 | 338 | 339 | 340 | 341 | 342 | 343 | 344 | 345 | 346 | 347 | 348 | 349 | 350 | 351 | 352 | 353 | 354 | 355 | 356 | 357 | 358 | 359 | 360 | 361 | 362 | 363 | 364 | 365 | 366 | 367 | 368 | 369 | 370 | 371 | 372 | 373 | 374 | 375 | 376 | 377 | 378 | 379 | 380 | 381 | 382 | 383 | 384 | 385 | 386 | 387 | 388 | 389 | 390 | 391 | 392 | 393 | 394 | 395 | 396 | 397 | 398 | 399 | 400 | 401 | 402 | 403 | 404 | 405 | 406 | 407 | 408 | 409 | 410 | 411 | 412 | 413 | 414 | 415 | 416 | 417 | 418 | 419 | 420 | 421 | 422 | 423 | 424 | 425 | 426 | 427 | 428 | 429 | 430 | 431 | 432 | 433 | 434 | 435 | 436 | 437 | 438 | 439 | 440 | 441 | 442 | 443 | 444 | 445 | 446 | 447 | 448 | 449 | 450 | 451 | 452 | 453 | 454 | 455 | 456 | 457 | 458 | 459 | 460 | 461 | 462 | 463 | 464 | 465 | 466 | 467 | 468 | 469 | 470 | 471 | 472 | 473 | 474 | 475 | 476 | 477 | 478 | 479 | 480 | 481 | 482 | 483 | 484 | 485 | 486 | 487 | 488 | 489 | 490 | 491 | 492 | 493 | 494 | 495 | 496 | 497 | 498 | 499 | 500 | 501 | 502 | 503 | 504 | 505 | 506 | 507 | 508 | 509 | 510 | 511 | 512 | 513 | 514 | 515 | 516 | 517 | 518 | 519 | 520 | 521 | 522 | 523 | 524 | 525 | 526 | 527 | 528 | 529 | 530 | 531 | 532 | 533 | 534 | 535 | 536 | 537 | 538 | 539 | 540 | 541 | 542 | 543 | 544 | 545 | 546 | 547 | 548 | 549 | 550 | 551 | 552 | 553 | 554 | 555 | 556 | 557 | 558 | 559 | 560 | 561 | 562 | 563 | 564 | 565 | 566 | 567 | 568 | 569 | 570 | 571 | 572 | 573 | 574 | 575 | 576 | 577 | 578 | 579 | 580 | 581 | 582 | 583 | 584 | 585 | 586 | 587 | 588 | 589 | 590 | 591 | 592 | 593 | 594 | 595 | 596 | 597 | 598 | 599 | 600 | 601 | 602 | 603 | 604 | 605 | 606 | 607 | 608 | 609 | 610 | 611 | 612 | 613 | 614 | 615 | 616 | 617 | 618 | 619 | 620 | 621 | 622 | 623 | 624 | 625 | 626 | 627 | 628 | 629 | 630 | 631 | 632 | 633 | 634 | 635 | 636 | 637 | 638 | 639 | 640 | 641 | 642 | 643 | 644 | 645 | 646 | 647 | 648 | 649 | 650 | 651 | 652 | 653 | 654 | 655 | 656 | 657 | 658 | 659 | 660 | 661 | 662 | 663 | 664 | 665 | 666 | 667 | 668 | 669 | 670 | 671 | 672 | 673 | 674 | 675 | 676 | 677 | 678 | 679 | 680 | 681 | 682 | 683 | 684 | 685 | 686 | 687 | 688 | 689 | 690 | 691 | 692 | 693 | 694 | 695 | 696 | 697 | 698 | 699 | 700 | 701 | 702 | 703 | 704 | 705 | 706 | 707 | 708 | 709 | 710 | 711 | 712 | 713 | 714 | 715 | 716 | 717 | 718 | 719 | 720 | 721 | 722 | 723 | 724 | 725 | 726 | 727 | 728 | 729 | 730 | 731 | 732 | 733 | 734 | 735 | 736 | 737 | 738 | 739 | 740 | 741 | 742 | 743 | 744 | 745 | 746 | 747 | 748 | 749 | 750 | 751 | 752 | 753 | 754 | 755 | 756 | 757 | 758 | 759 | 760 | 761 | 762 | 763 | 764 | 765 | 766 | 767 | 768 | 769 | 770 | 771 | 772 | 773 | 774 | 775 | 776 | 777 | 778 | 779 | 780 | 781 | 782 | 783 | 784 | 785 | 786 | 787 | 788 | 789 | 790 | 791 | 792 | 793 | 794 | 795 | 796 | 797 | 798 | 799 | 800 | 801 | 802 | 803 | 804 | 805 | 806 | 807 | 808 | 809 | 810 | 811 | 812 | 813 | 814 | 815 | 816 | 817 | 818 | 819 | 820 | 821 | 822 | 823 | 824 | 825 | 826 | 827 | 828 | 829 | 830 | 831 | 832 | 833 | 834 | 835 | 836 | 837 | 838 | 839 | 840 | 841 | 842 | 843 | 844 | 845 | 846 | 847 | 848 | 849 | 850 | 851 | 852 | 853 | 854 | 855 | 856 | 857 | 858 | 859 | 860 | 861 | 862 | 863 | 864 | 865 | 866 | 867 | 868 | 869 | 870 | 871 | 872 | 873 | 874 | 875 | 876 | 877 | 878 | 879 | 880 | 881 | 882 | 883 | 884 | 885 | 886 | 887 | 888 | 889 | 890 | 891 | 892 | 893 | 894 | 895 | 896 | 897 | 898 | 899 | 900 | 901 | 902 | 903 | 904 | 905 | 906 | 907 | 908 | 909 | 910 | 911 | 912 | 913 | 914 | 915 | 916 | 917 | 918 | 919 | 920 | 921 | 922 | 923 | 924 | 925 | 926 | 927 | 928 | 929 | 930 | 931 | 932 | 933 | 934 | 935 | 936 | 937 | 938 | 939 | 940 | 941 | 942 | 943 | 944 | 945 | 946 | 947 | 948 | 949 | 950 | 951 | 952 | 953 | 954 | 955 | 956 | 957 | 958 | 959 | 960 | 961 | 962 | 963 | 964 | 965 | 966 | 967 | 968 | 969 | 970 | 971 | 972 | 973 | 974 | 975 | 976 | 977 | 978 | 979 | 980 | 981 | 982 | 983 | 984 | 985 | 986 | 987 | 988 | 989 | 990 | 991 | 992 | 993 | 994 | 995 | 996 | 997 | 998 | 999 | 1000 | 1001 | 1002 | 1003 | 1004 | 1005 | 1006 | 1007 | 1008 | 1009 | 1010 | 1011 | 1012 | 1013 | 1014 | 1015 | 1016 | 1017 | 1018 | 1019 | 1020 | 1021 | 1022 | 1023 | 1024 | 1025 | 1026 | 1027 | 1028 | 1029 | 1030 | 1031 | 1032 | 1033 | 1034 | 1035 | 1036 | 1037 | 1038 | 1039 | 1040 | 1041 | 1042 | 1043 | 1044 | 1045 | 1046 | 1047 | 1048 | 1049 | 1050 | 1051 | 1052 | 1053 | 1054 | 1055 | 1056 | 1057 | 1058 | 1059 | 1060 | 1061 | 1062 | 1063 | 1064 | 1065 | 1066 | 1067 | 1068 | 1069 | 1070 | 1071 | 1072 | 1073 | 1074 | 1075 | 1076 | 1077 | 1078 | 1079 | 1080 | 1081 | 1082 | 1083 | 1084 | 1085 | 1086 | 1087 | 1088 | 1089 | 1090 | 1091 | 1092 | 1093 | 1094 | 1095 | 1096 | 1097 | 1098 | 1099 | 1100 | 1101 | 1102 | 1103 | 1104 | 1105 | 1106 | 1107 | 1108 | 1109 | 1110 | 1111 | 1112 | 1113 | 1114 | 1115 | 1116 | 1117 | 1118 | 1119 | 1120 | 1121 | 1122 | 1123 | 1124 | 1125 | 1126 | 1127 | 1128 | 1129 | 1130 | 1131 | 1132 | 1133 | 1134 | 1135 | 1136 | 1137 | 1138 | 1139 | 1140 | 1141 | 1142 | 1143 | 1144 | 1145 | 1146 | 1147 | 1148 | 1149 | 1150 | 1151 | 1152 | 1153 | 1154 | 1155 | 1156 | 1157 | 1158 | 1159 | 1160 | 1161 | 1162 | 1163 | 1164 | 1165 | 1166 | 1167 | 1168 | 1169 | 1170 | 1171 | 1172 | 1173 | 1174 | 1175 | 1176 | 1177 | 1178 | 1179 | 1180 | 1181 | 1182 | 1183 | 1184 | 1185 | 1186 | 1187 | 1188 | 1189 | 1190 | 1191 | 1192 | 1193 | 1194 | 1195 | 1196 | 1197 | 1198 | 1199 | 1200 | 1201 | 1202 | 1203 | 1204 | 1205 | 1206 | 1207 | 1208 | 1209 | 1210 | 1211 | 1212 | 1213 | 1214 | 1215 | 1216 | 1217 | 1218 | 1219 | 1220 | 1221 | 1222 | 1223 | 1224 | 1225 | 1226 | 1227 | 1228 | 1229 | 1230 | 1231 | 1232 | 1233 | 1234 | 1235 | 1236 | 1237 | 1238 | 1239 | 1240 | 1241 | 1242 | 1243 | 1244 | 1245 | 1246 | 1247 | 1248 | 1249 | 1250 | 1251 | 1252 | 1253 | 1254 | 1255 | 1256 | 1257 | 1258 | 1259 | 1260 | 1261 | 1262 | 1263 | 1264 | 1265 | 1266 | 1267 | 1268 | 1269 | 1270 | 1271 | 1272 | 1273 | 1274 | 1275 | 1276 | 1277 | 1278 | 1279 | 1280 | 1281 | 1282 | 1283 | 1284 | 1285 | 1286 | 1287 | 1288 | 1289 | 1290 | 1291 | 1292 | 1293 | 1294 | 1295 | 1296 | 1297 |
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# INTERIOR ROOM LAMP CONTROL SYSTEM

< WIRING DIAGRAM >

## INTERIOR ROOM LAMP

|                |                       |
|----------------|-----------------------|
| Connector No.  | R424                  |
| Connector Name | Vanity Mirror Lamp LH |
| Connector Type | TKC424W               |



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

|                |                        |
|----------------|------------------------|
| Connector No.  | R27                    |
| Connector Name | THIRD PERSONAL LAMP RH |
| Connector Type | TK037W                 |



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

|                |                        |
|----------------|------------------------|
| Connector No.  | R428                   |
| Connector Name | THIRD PERSONAL LAMP LH |
| Connector Type | TK037W                 |



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

|                |              |
|----------------|--------------|
| Connector No.  | R105         |
| Connector Name | WIRE TO WIRE |
| Connector Type | TH150MW-RH   |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | LG            | -                           |
| 2            | SB            | -                           |
| 3            | P             | -                           |
| 4            | LG            | -                           |
| 6            | LG            | -                           |
| 7            | L             | -                           |
| 8            | BR            | -                           |
| 9            | SB            | -                           |
| 10           | BR            | -                           |
| 11           | B             | -                           |
| 12           | V             | -                           |
| 13           | Y             | -                           |
| 14           | B             | -                           |
| 15           | SHIELD        | -                           |
| 16           | W             | -                           |

|                |              |
|----------------|--------------|
| Connector No.  | R437         |
| Connector Name | WIRE TO WIRE |
| Connector Type | TH123MW-RH   |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | V             | -                           |
| 2            | SB            | -                           |
| 3            | LG            | -                           |
| 4            | Y             | -                           |
| 7            | B             | -                           |
| 8            | L             | -                           |
| 9            | SB            | -                           |
| 10           | P             | -                           |
| 11           | LG            | -                           |

|                |                               |
|----------------|-------------------------------|
| Connector No.  | R108                          |
| Connector Name | REMOTE KEYLESS ENTRY RECEIVER |
| Connector Type | TH04PW-RH                     |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | BR            | BAT                         |
| 2            | L             | SIGNAL                      |
| 4            | LG            | GROUND                      |

|                |          |
|----------------|----------|
| Connector No.  | R439     |
| Connector Name | MAP LAMP |
| Connector Type | TK06GT   |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | V             | -                           |
| 2            | V             | -                           |
| 3            | L             | -                           |
| 4            | B             | -                           |
| 5            | BR            | -                           |
| 6            | SB            | -                           |

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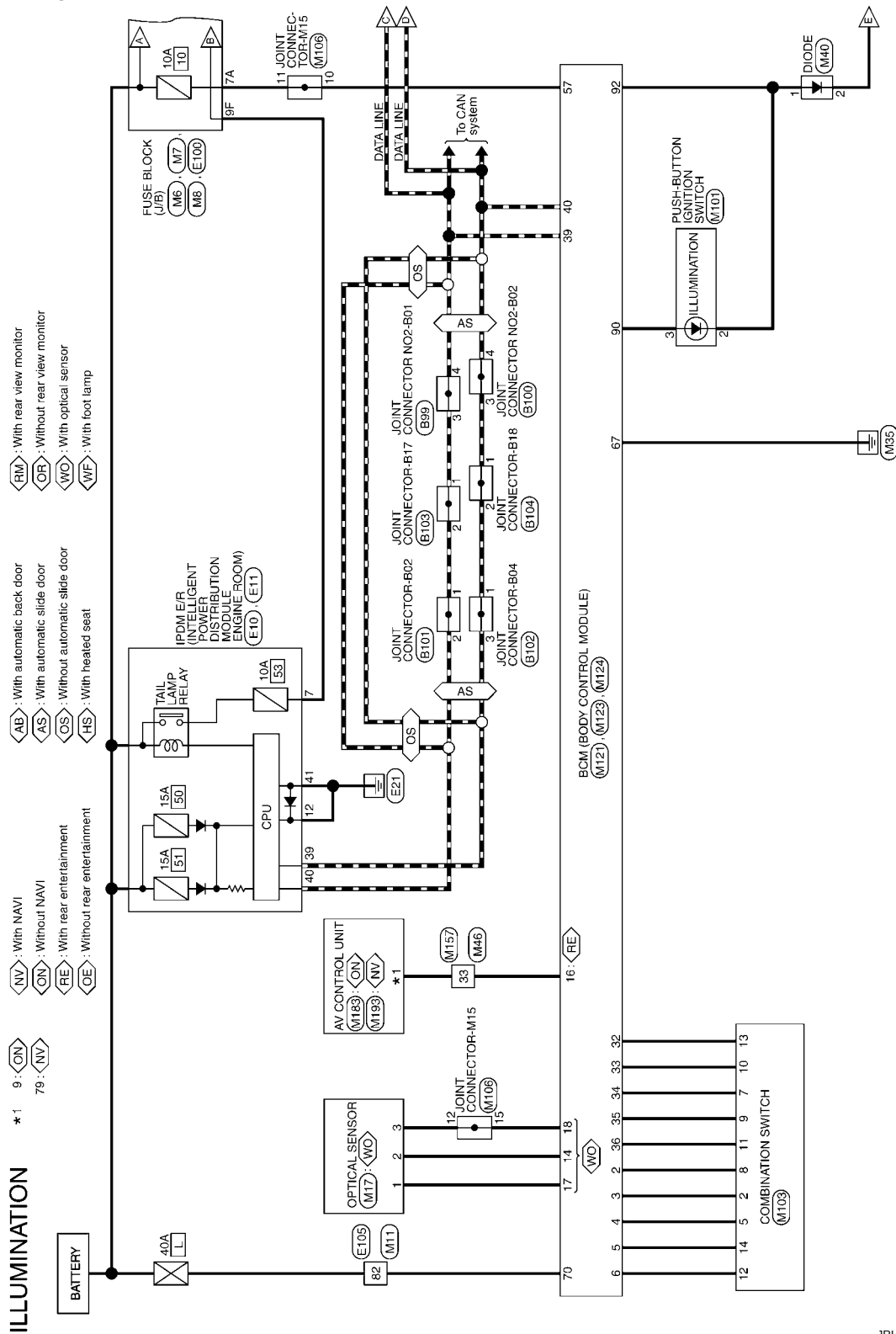
# ILLUMINATION

< WIRING DIAGRAM >

## ILLUMINATION

### Wiring Diagram

INFOID:0000000012405235



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

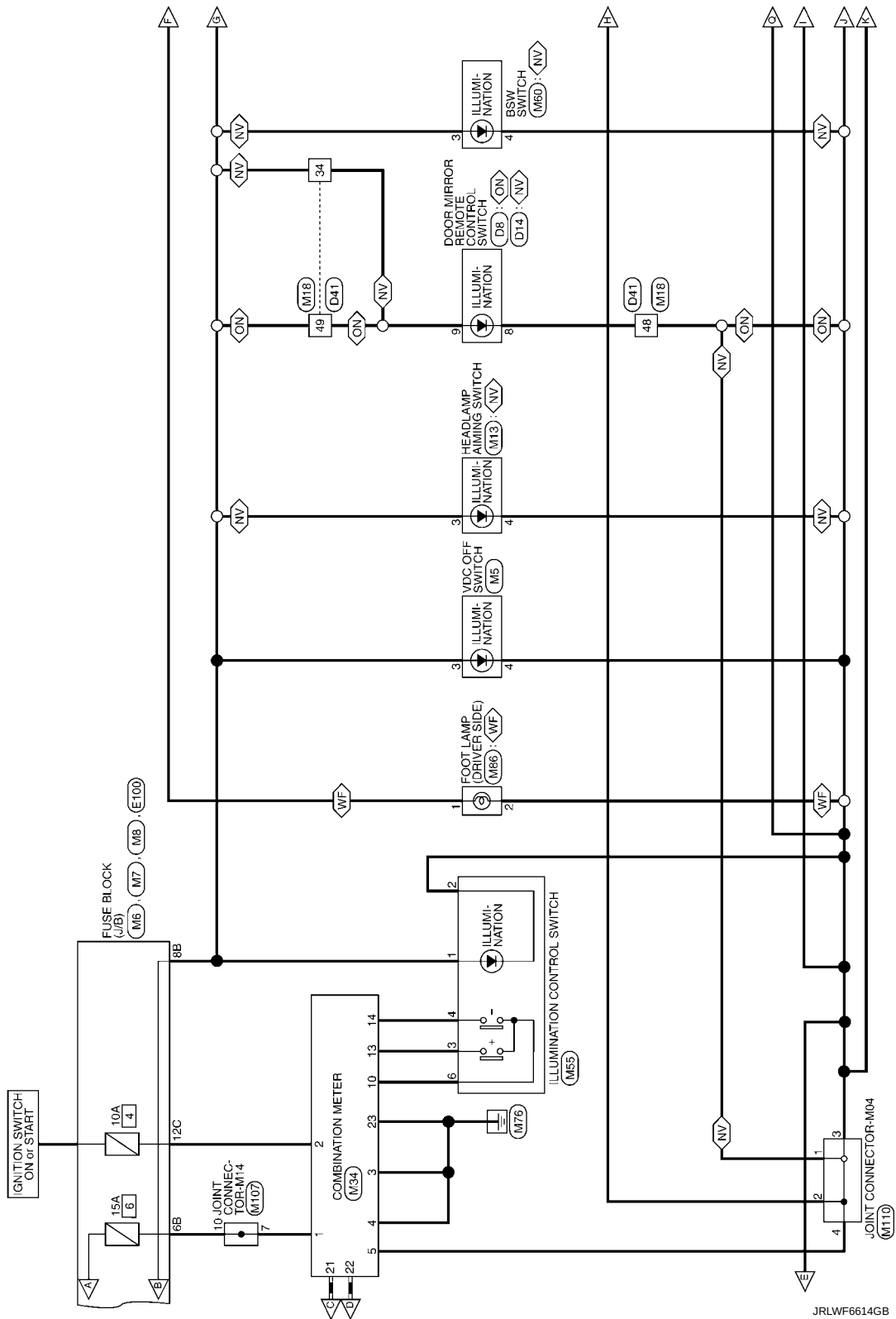
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# ILLUMINATION

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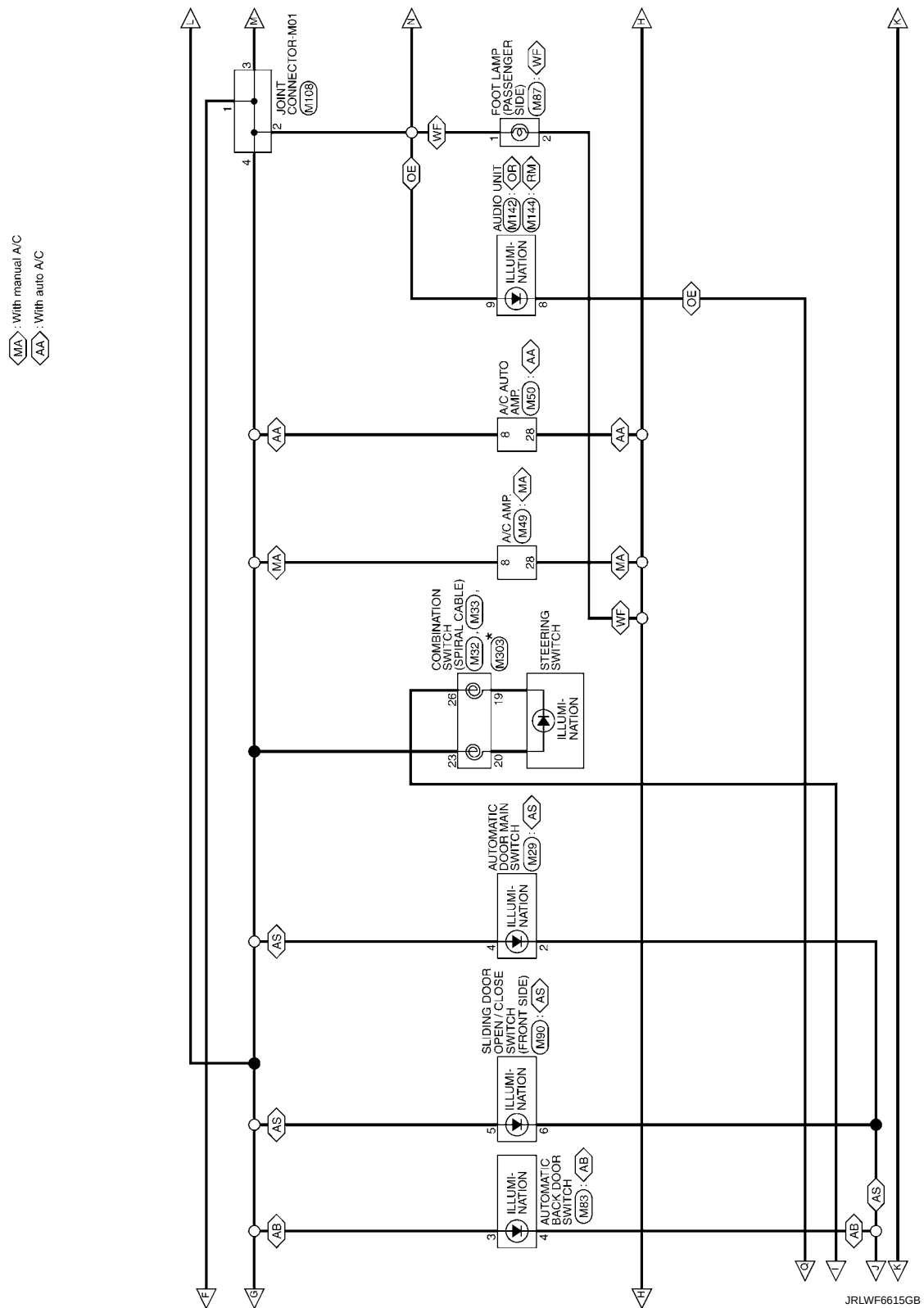
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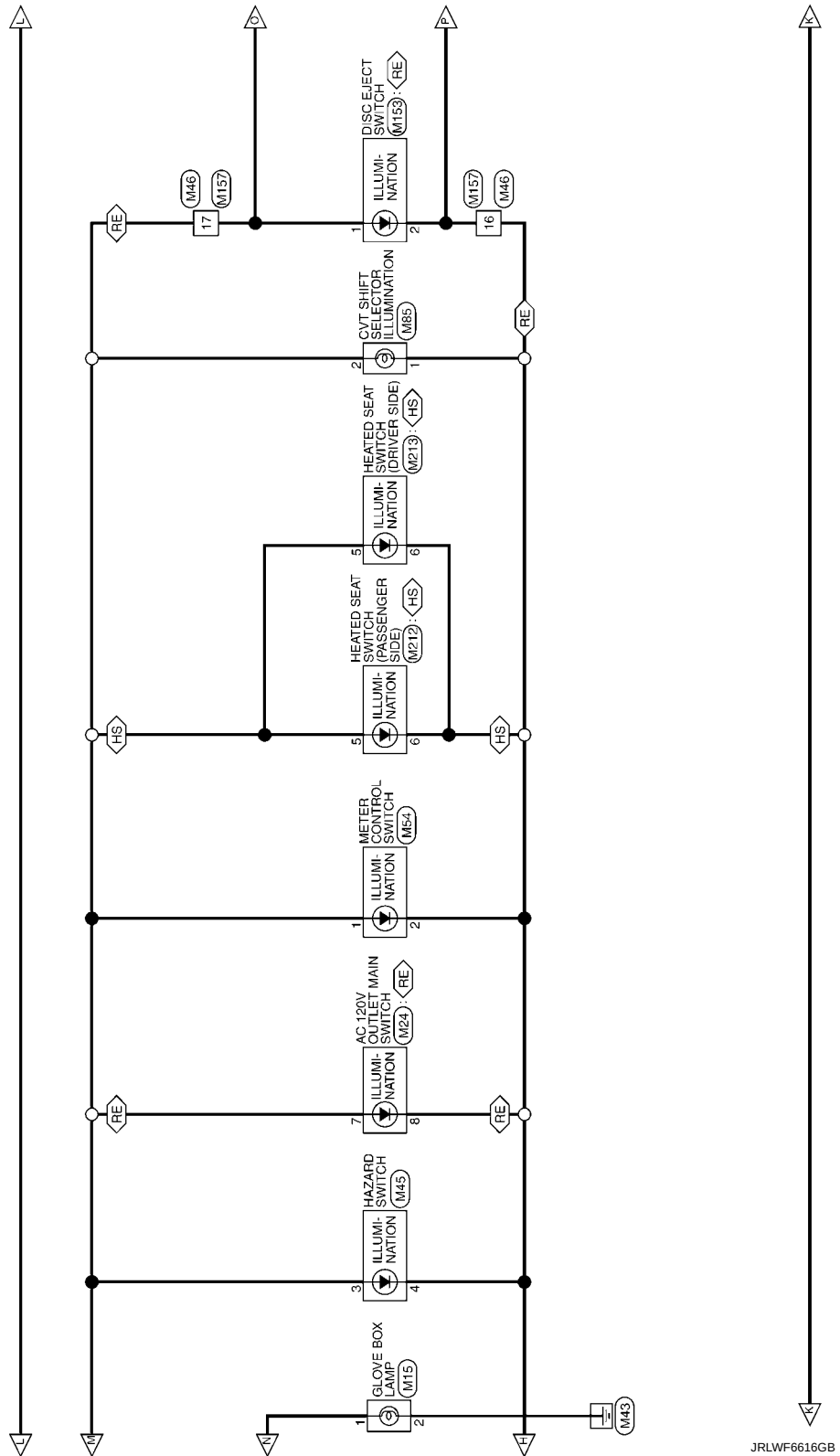
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# ILLUMINATION

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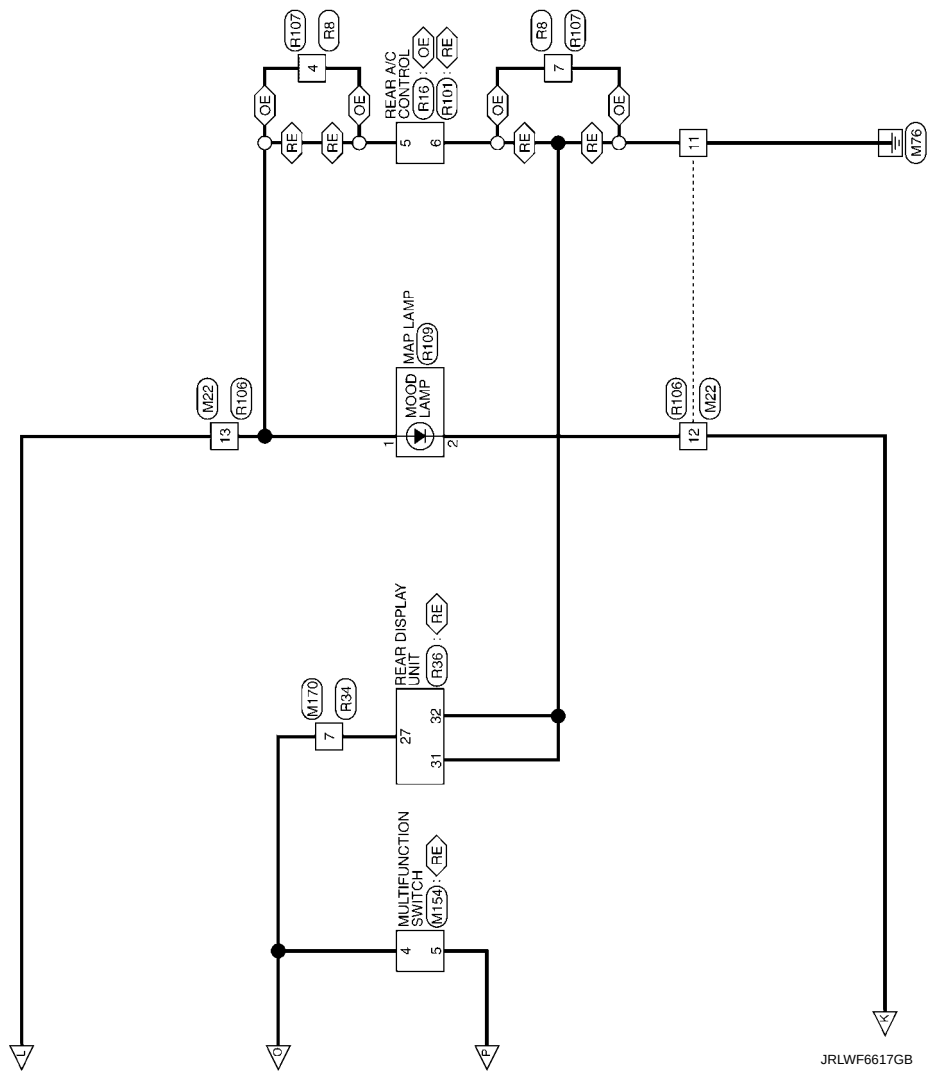


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## < WIRING DIAGRAM >

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## ILLUMINATION

|                |                         |
|----------------|-------------------------|
| Connector No.  | B99                     |
| Connector Name | JOINT CONNECTOR NO2-B01 |
| Connector Type | TK04FW-J                |



|   |   |   |   |   |   |
|---|---|---|---|---|---|
| 0 | 4 | 3 | 2 | 1 | 0 |
|---|---|---|---|---|---|

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

|                |                         |
|----------------|-------------------------|
| Connector No.  | B100                    |
| Connector Name | JOINT CONNECTOR NO2-B02 |
| Connector Type | TK04FW-J                |



|   |   |   |   |   |   |
|---|---|---|---|---|---|
| 0 | 4 | 3 | 2 | 1 | 0 |
|---|---|---|---|---|---|

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

|                |                     |
|----------------|---------------------|
| Connector No.  | B101                |
| Connector Name | JOINT CONNECTOR-B02 |
| Connector Type | TK04FW-J            |



|   |   |   |   |   |   |
|---|---|---|---|---|---|
| 0 | 4 | 3 | 2 | 1 | 0 |
|---|---|---|---|---|---|

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

|                |                     |
|----------------|---------------------|
| Connector No.  | B102                |
| Connector Name | JOINT CONNECTOR-B04 |
| Connector Type | TK04FW-J            |



|   |   |   |   |   |   |
|---|---|---|---|---|---|
| 0 | 4 | 3 | 2 | 1 | 0 |
|---|---|---|---|---|---|

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

|                |                     |
|----------------|---------------------|
| Connector No.  | B103                |
| Connector Name | JOINT CONNECTOR-B17 |
| Connector Type | TK04FW-J            |



|   |   |   |   |   |
|---|---|---|---|---|
| 0 | 3 | 2 | 1 | 0 |
|---|---|---|---|---|

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

|                |                     |
|----------------|---------------------|
| Connector No.  | B104                |
| Connector Name | JOINT CONNECTOR-B18 |
| Connector Type | TK04FW-J            |



|   |   |   |   |   |
|---|---|---|---|---|
| 0 | 3 | 2 | 1 | 0 |
|---|---|---|---|---|

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

|                |                                    |
|----------------|------------------------------------|
| Connector No.  | 148                                |
| Connector Name | DOOR MIRROR REAROTE CONTROL SWITCH |
| Connector Type | TK16FW                             |



|   |   |   |    |    |    |    |    |    |   |
|---|---|---|----|----|----|----|----|----|---|
| 1 | 8 | 9 | 10 | 12 | 13 | 14 | 15 | 16 | 7 |
|---|---|---|----|----|----|----|----|----|---|

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | GR            | -                           |
| 7            | GR            | -                           |
| 8            | B             | -                           |
| 9            | R             | -                           |
| 10           | G             | -                           |
| 12           | W             | -                           |
| 13           | G             | -                           |
| 14           | GR            | -                           |
| 15           | R             | -                           |
| 16           | P             | -                           |

|                |                                    |
|----------------|------------------------------------|
| Connector No.  | 1014                               |
| Connector Name | DOOR MIRROR REAROTE CONTROL SWITCH |
| Connector Type | TK16FB                             |



|   |   |   |    |    |    |    |    |   |
|---|---|---|----|----|----|----|----|---|
| 1 | 8 | 9 | 10 | 11 | 12 | 13 | 15 | 7 |
|---|---|---|----|----|----|----|----|---|

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 4            | W             | -                           |
| 7            | GR            | -                           |
| 8            | B             | -                           |
| 9            | W             | -                           |
| 10           | G             | -                           |
| 11           | P             | -                           |
| 12           | R             | -                           |
| 13           | P             | -                           |
| 15           | G             | -                           |

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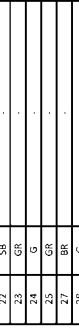
## ILLUMINATION

|                |              |
|----------------|--------------|
| Connector No.  | 141          |
| Connector Name | WIRE TO WIRE |
| Connector Type | TH40PW-CS15  |



| Terminal No. | Color Of Wire | Signal Name [Specification]                   |
|--------------|---------------|-----------------------------------------------|
| 1            | B             | -                                             |
| 2            | V             | -                                             |
| 3            | SB            | -                                             |
| 4            | Y             | -                                             |
| 5            | BR            | -                                             |
| 6            | L             | -                                             |
| 7            | Y             | -                                             |
| 8            | GR            | -                                             |
| 9            | G             | - [With manual A/C]<br>- [With auto A/C]      |
| 10           | R             | -                                             |
| 11           | BR            | -                                             |
| 12           | LG            | -                                             |
| 13           | W             | -                                             |
| 14           | B             | -                                             |
| 15           | W             | - [Without BGS system]<br>- [With BGS system] |
| 16           | G             | -                                             |
| 17           | R             | -                                             |
| 18           | P             | -                                             |
| 19           | W             | -                                             |
| 20           | GR            | -                                             |
| 21           | GR            | -                                             |
| 22           | P             | -                                             |
| 23           | R             | -                                             |
| 24           | B             | -                                             |
| 25           | W             | -                                             |
| 26           | SHIELD        | -                                             |
| 27           | R             | -                                             |
| 28           | P             | -                                             |
| 29           | GR            | -                                             |
| 30           | P             | -                                             |
| 31           | W             | -                                             |
| 32           | G             | -                                             |
| 33           | P             | -                                             |
| 34           | W             | -                                             |

|    |   |   |
|----|---|---|
| 18 | P | . |
| 19 | V | . |
| 20 | W | . |
| 21 | Q | . |



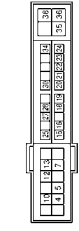
|                |                  |
|----------------|------------------|
| Connector No.  | E10              |
| Connector Name | FUSE BLOCK (J/B) |
| Connector Type | NS16PW-CS        |



|                |                 |
|----------------|-----------------|
| Connector No.  | E105            |
| Connector Name | WIRE TO WIRE    |
| Connector Type | TH720PW-CS10-M3 |



|                |                                                          |
|----------------|----------------------------------------------------------|
| Connector No.  | E10                                                      |
| Connector Name | POWER ILLUMINATION POWER DISTRIBUTION MODULE ENGINE ROOM |
| Connector Type | TH20PW-CS12-M4-1V                                        |



|              |               |                             |
|--------------|---------------|-----------------------------|
| Terminal No. | Color Of Wire | Signal Name [Specification] |
| 4            | LG            | -                           |
| 5            | Y             | -                           |
| 7            | BR            | -                           |
| 10           | P             | -                           |
| 12           | B             | -                           |
| 13           | G             | -                           |
| 15           | L             | -                           |
| 16           | R             | -                           |

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## ILLUMINATION

|    |        |   |
|----|--------|---|
| 14 | L      | - |
| 15 | BR     | - |
| 31 | Y      | - |
| 32 | BR     | - |
| 36 | G      | - |
| 38 | G      | - |
| 39 | V      | - |
| 40 | P      | - |
| 41 | L      | - |
| 42 | LG     | - |
| 43 | O      | - |
| 45 | P      | - |
| 46 | SB     | - |
| 47 | V      | - |
| 49 | L      | - |
| 51 | BR     | - |
| 52 | G      | - |
| 53 | B      | - |
| 54 | O      | - |
| 55 | Y      | - |
| 56 | SHIELD | - |
| 61 | P      | - |
| 62 | G      | - |
| 63 | W/L    | - |
| 64 | W/R    | - |
| 66 | W      | - |
| 67 | Y      | - |
| 69 | R      | - |
| 71 | R      | - |
| 72 | L      | - |
| 73 | SR     | - |
| 74 | SB     | - |
| 75 | Y      | - |
| 76 | G      | - |
| 77 | O      | - |
| 78 | R      | - |
| 80 | R      | - |
| 81 | L      | - |
| 82 | LG     | - |
| 83 | R      | - |

|                |                |
|----------------|----------------|
| Connector No.  | M5             |
| Connector Name | VDC OFF SWITCH |
| Connector Type | TH08FB-14      |



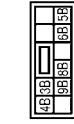
|              |               |                             |
|--------------|---------------|-----------------------------|
| Terminal No. | Color Of Wire | Signal Name [Specification] |
| 1            | G             | -                           |
| 2            | B             | -              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

|                |                  |
|----------------|------------------|
| Connector No.  | M6               |
| Connector Name | FUSE BLOCK (I/B) |
| Connector Type | C06FW-K2         |



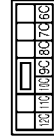
|              |               |                             |
|--------------|---------------|-----------------------------|
| Terminal No. | Color Of Wire | Signal Name [Specification] |
| 1A           | Y             | -                           |
| 2A           | G             | -                           |
| 3A           | L             | -                           |
| 4A           | GR            | -                           |
| 5A           | V             | -                           |
| 6A           | R             | -                           |
| 7A           | GR            | -                           |
| 8A           | L             | -                           |

|                |                  |
|----------------|------------------|
| Connector No.  | M7               |
| Connector Name | FUSE BLOCK (I/B) |
| Connector Type | HS13FW-C5        |



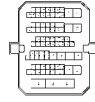
|              |               |                             |
|--------------|---------------|-----------------------------|
| Terminal No. | Color Of Wire | Signal Name [Specification] |
| 3B           | V             | -                           |
| 4B           | W             | -                           |
| 5B           | BR            | -                           |
| 6B           | O             | -                           |
| 8B           | R/L           | -                           |
| 9B           | GR            | -                           |

|                |                  |
|----------------|------------------|
| Connector No.  | M8               |
| Connector Name | FUSE BLOCK (I/B) |
| Connector Type | HS12FW-C5        |



|              |               |                             |
|--------------|---------------|-----------------------------|
| Terminal No. | Color Of Wire | Signal Name [Specification] |
| 10C          | LG            | -                           |
| 11C          | V             | -                           |
| 12C          | V             | -                           |
| 6C           | GR            | -                           |
| 7C           | GR            | -                           |
| 8C           | G             | -                           |
| 9C           | Y             | -                           |

|                |                |
|----------------|----------------|
| Connector No.  | M11            |
| Connector Name | WIRE TO WIRE   |
| Connector Type | TH23FW-CS10-M8 |



|              |               |                                        |
|--------------|---------------|----------------------------------------|
| Terminal No. | Color Of Wire | Signal Name [Specification]            |
| 1            | SHIELD        | -                                      |
| 2            | W             | -                                      |
| 3            | B             | -                                      |
| 4            | R             | -                                      |
| 5            | G             | -                                      |
| 6            | G             | -                                      |
| 7            | R             | -                                      |
| 8            | G             | -                                      |
| 9            | B             | -                                      |
| 10           | R             | -                                      |
| 11           | W             | -                                      |
| 12           | L             | - [Without automatic drive positioner] |
| 12           | LG            | - [With automatic drive positioner]    |
| 13           | G             | - [Without automatic drive positioner] |
| 13           | Y             | - [With automatic drive positioner]    |
| 14           | L             | -                                      |
| 15           | R             | -                                      |
| 16           | R             | -                                      |
| 17           | LG            | -                                      |
| 37           | W             | - [With automatic drive positioner]    |
| 37           | W             | - [Without automatic drive positioner] |
| 38           | R             | -                                      |
| 39           | BE            | - [Without automatic drive positioner] |
| 39           | Y             | - [With automatic drive positioner]    |
| 40           | P             | -                                      |
| 41           | L             | -                                      |
| 42           | G             | -                                      |
| 43           | W             | -                                      |
| 45           | P             | -                                      |
| 46           | V             | -                                      |
| 47           | R             | -                                      |
| 49           | G             | -                                      |
| 51           | G             | -                                      |
| 52           | W             | -                                      |
| 53           | B             | -                                      |
| 54           | LG            | -                                      |
| 55           | L             | -                                      |

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

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| Connector No. | Connector Name | Signal Name [Specification] |
|---------------|----------------|-----------------------------|
| 56            | SHIELD         | -                           |
| 61            | W              | -                           |
| 62            | R              | -                           |
| 63            | B              | -                           |
| 64            | W              | -                           |
| 66            | W              | -                           |
| 67            | BR             | -                           |
| 69            | P              | -                           |
| 71            | R              | -                           |
| 72            | L              | -                           |
| 73            | LG             | -                           |
| 74            | Y              | -                           |
| 75            | Y              | -                           |
| 76            | V              | -                           |
| 77            | P              | -                           |
| 78            | BR             | -                           |
| 80            | Y              | -                           |
| 81            | W              | -                           |
| 82            | L              | -                           |
| 83            | R              | -                           |

| Connector No. | Connector Name          | Signal Name [Specification] |
|---------------|-------------------------|-----------------------------|
| M13           | HEADLAMP AIM/ING SWITCH |                             |
| 404FW         |                         |                             |



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

| Connector No. | Connector Name | Signal Name [Specification] |
|---------------|----------------|-----------------------------|
| M15           | GLOVE BOX LAMP |                             |
| 403FW         |                |                             |



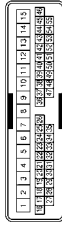
| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | P             | -                           |
| 2            | B             | -                           |

| Connector No. | Connector Name | Signal Name [Specification] |
|---------------|----------------|-----------------------------|
| M17           | OPTICAL SENSOR |                             |
| TR03FW        |                |                             |



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

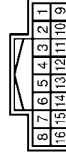
| Connector No. | Connector Name | Signal Name [Specification] |
|---------------|----------------|-----------------------------|
| M28           | WIRE TO WIRE   |                             |
| TH03PW-5315   |                |                             |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | B             | -                           |
| 2            | R             | -                           |
| 3            | W             | -                           |
| 4            | Y             | -                           |
| 5            | SB            | -                           |
| 6            | LG            | -                           |
| 7            | V             | -                           |
| 8            | L             | -                           |
| 9            | GR            | -                           |
| 10           | Y             | -                           |
| 11           | V             | -                           |
| 12           | G             | -                           |
| 13           | G             | -                           |
| 14           | B             | - [Without ECSE system]     |
| 14           | W             | - [With ECSE system]        |
| 15           | Y             | - [Without ECSE system]     |
| 15           | W             | - [With ECSE system]        |
| 17           | BE            | -                           |
| 18           | P             | -                           |
| 19           | W             | -                           |
| 20           | LG            | -                           |
| 21           | P             | -                           |
| 22           | G             | -                           |
| 23           | R             | -                           |
| 24           | B             | -                           |
| 25           | W             | -                           |
| 26           | SHIELD        | -                           |
| 27           | Y             | -                           |
| 28           | G             | -                           |
| 29           | W             | -                           |
| 30           | R             | -                           |
| 31           | W             | -                           |
| 32           | G             | -                           |
| 33           | BE            | -                           |
| 34           | P             | -                           |

| Terminal No. | Color Of Wire | Signal Name [Specification]            |
|--------------|---------------|----------------------------------------|
| 35           | W             | -                                      |
| 36           | LG            | -                                      |
| 37           | W             | -                                      |
| 38           | P             | -                                      |
| 39           | V             | -                                      |
| 40           | R             | -                                      |
| 41           | B             | -                                      |
| 42           | W             | -                                      |
| 43           | G             | -                                      |
| 44           | B             | -                                      |
| 45           | B             | - [With around view monitor]           |
| 45           | GR            | - [Without around view monitor]        |
| 46           | R             | - [Without around view monitor]        |
| 46           | W             | - [With around view monitor]           |
| 47           | GR            | -                                      |
| 48           | GR            | -                                      |
| 49           | P             | - [Without automatic drive positioner] |
| 49           | R             | - [With automatic drive positioner]    |
| 50           | GR            | - [Without automatic drive positioner] |
| 50           | W             | - [With automatic drive positioner]    |
| 51           | B             | -                                      |
| 51           | G             | - [Without automatic drive positioner] |
| 52           | GR            | - [With automatic drive positioner]    |
| 53           | P             | - [Without automatic drive positioner] |
| 53           | SHIELD        | - [With automatic drive positioner]    |
| 54           | W             | -                                      |
| 55           | B             | -                                      |

| Connector No. | Connector Name | Signal Name [Specification] |
|---------------|----------------|-----------------------------|
| M22           | WIRE TO WIRE   |                             |
| TH16FW-044    |                |                             |



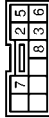
| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | G             | -                           |
| 2            | W             | -                           |
| 3            | G             | -                           |
| 4            | P             | -                           |
| 5            | R             | -                           |
| 7            | BE            | -                           |
| 8            | Y             | -                           |

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| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 9            | P             | -                           |
| 10           | R             | -                           |
| 11           | GR            | -                           |
| 12           | P             | -                           |
| 13           | GR            | -                           |
| 14           | B             | -                           |
| 15           | SHIELD        | -                           |
| 16           | WT            | -                           |

| Connector No. | Connector Name             | Connector Type |
|---------------|----------------------------|----------------|
| M24           | AC 120V OUTLET MAIN SWITCH | TK08FW         |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 2            | G             | -                           |
| 3            | P             | -                           |
| 5            | BR            | -                           |
| 6            | B             | -                           |
| 7            | P             | -                           |
| 8            | B             | -                           |

| Connector No. | Connector Name             | Connector Type |
|---------------|----------------------------|----------------|
| M29           | AUTOMATIC DOOR MAIN SWITCH | TK08FW         |



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

| Connector No. | Connector Name                    | Connector Type |
|---------------|-----------------------------------|----------------|
| M32           | COMBINATION SWITCH (SPIRAL CABLE) | TK08FV-IV      |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 23           | P             | -                           |
| 28           | G             | -                           |
| 29           | V             | -                           |
| 30           | Y             | -                           |

| Connector No. | Connector Name                    | Connector Type |
|---------------|-----------------------------------|----------------|
| M33           | COMBINATION SWITCH (SPIRAL CABLE) | TK08FV-IV      |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 24           | G             | -                           |
| 25           | W             | -                           |
| 26           | B             | -                           |
| 31           | V             | -                           |
| 32           | R             | -                           |
| 33           | GR            | -                           |
| 34           | SB            | -                           |

| Connector No. | Connector Name    | Connector Type |
|---------------|-------------------|----------------|
| M34           | COMBINATION METER | TK08FW-IV      |



| Terminal No. | Color Of Wire | Signal Name [Specification]                                        |
|--------------|---------------|--------------------------------------------------------------------|
| 1            | O             | BATTERY POWER SUPPLY (With automatic drive position)               |
| 2            | P             | BATTERY POWER SUPPLY (Without automatic drive position)            |
| 3            | Y             | IGNITION SIGNAL (Without automatic drive position)                 |
| 4            | B             | GROUND                                                             |
| 5            | B             | LOCALIZATION CONTROL SIGNAL (Without automatic drive position)     |
| 6            | B/P           | ILLUMINATION CONTROL SIGNAL (With automatic drive position)        |
| 8            | G             | TRIP RESET SWITCH SIGNAL (Without automatic drive position)        |
| 9            | SB            | METER CONTROL SWITCH GROUND                                        |
| 10           | P             | METER CONTROL SWITCH SIGNAL                                        |
| 11           | G             | SELECT SWITCH SIGNAL (With automatic drive position)               |
| 12           | R             | SELECT SWITCH SIGNAL (Without automatic drive position)            |
| 13           | W             | TURN SIGNAL (With automatic drive position)                        |
| 14           | G             | TURN SIGNAL (Without automatic drive position)                     |
| 15           | BR            | ENGINE COOLANT TEMPERATURE SIGNAL                                  |
| 16           | L             | AMBIENT SENSOR SIGNAL (Without automatic drive position)           |
| 18           | LG            | AMBIENT SENSOR SIGNAL (With automatic drive position)              |
| 19           | R             | A/C AUTO AMP. CONNECTION RECOGNITION SIGNAL                        |
| 20           | G             | AMBIENT SENSOR GROUND (Without automatic drive position)           |
| 21           | L             | CAN-H                                                              |
| 22           | P             | GROUND                                                             |
| 23           | B             | FUEL LEVEL SENSOR GROUND                                           |
| 24           | B             | ALTERNATOR SIGNAL (With automatic drive position)                  |
| 25           | W             | ALTERNATOR SIGNAL (Without automatic drive position)               |
| 26           | BR            | PARKING BRAKE SWITCH SIGNAL                                        |
| 27           | Y             | BRAKE FLUID LEVEL SWITCH SIGNAL (Without automatic drive position) |
| 28           | V             | SECURITY SIGNAL                                                    |
| 29           | G             | WASHER LEVEL SWITCH SIGNAL                                         |

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

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



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

| Terminal No. | Color Of Wire | Signal Name [Specification]        |
|--------------|---------------|------------------------------------|
| 31           | P             | VEHICLE SPEED SIGNAL (8-PULSE)     |
| 32           | P             | OVERDRIVE CONTROL SWITCH SIGNAL    |
| 34           | GR            | FUEL LEVEL SENSOR SIGNAL           |
| 35           | GR            | WATER TEMPERATURE SENSOR SIGNAL    |
| 36           | BR            | PASSENGER SEAT BELT WARNING SIGNAL |

| Connector No. | Connector Name | Connector Type |
|---------------|----------------|----------------|
| M40           | DIODE          | 24335, C902    |



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# ILLUMINATION

## < WIRING DIAGRAM >

### ILLUMINATION

|                |              |
|----------------|--------------|
| Connector No.  | M46          |
| Connector Name | WIRE TO WIRE |
| Connector Type | TH-803P-4N   |



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

|                |            |
|----------------|------------|
| Connector No.  | M49        |
| Connector Name | A/C AMP.   |
| Connector Type | TH-803P-4N |



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

|                |               |
|----------------|---------------|
| Connector No.  | M50           |
| Connector Name | A/C AUTO AMP. |
| Connector Type | TH-803P-4N    |



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

|                |                      |
|----------------|----------------------|
| Connector No.  | M54                  |
| Connector Name | METER CONTROL SWITCH |
| Connector Type | TH-804P-4N           |



|    |    |    |    |
|----|----|----|----|
| 4  | 3  | 2  | 1  |
| 16 | 15 | 14 | 13 |

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 2            | W             | -                           |
| 3            | B             | -                           |
| 4            | SHIELD        | -                           |
| 5            | L             | -                           |
| 6            | P             | -                           |
| 7            | B             | -                           |
| 8            | Y             | -                           |
| 9            | L             | -                           |
| 10           | B             | -                           |
| 11           | GR            | -                           |
| 12           | P             | -                           |
| 13           | G             | -                           |
| 14           | LG            | -                           |
| 15           | SB            | -                           |
| 16           | GR            | -                           |
| 17           | GR            | -                           |
| 18           | G             | -                           |
| 19           | Y             | -                           |
| 20           | Y             | -                           |
| 21           | GR            | -                           |
| 22           | B/W           | -                           |
| 23           | B             | -                           |
| 24           | B             | -                           |
| 25           | SHIELD        | -                           |
| 26           | GR            | -                           |
| 27           | B             | -                           |
| 28           | W             | -                           |
| 30           | LG            | -                           |
| 31           | SB            | -                           |
| 33           | P             | -                           |
| 34           | LG            | -                           |
| 35           | R             | -                           |
| 36           | P             | -                           |
| 37           | L             | -                           |
| 38           | BE            | -                           |
| 39           | LG            | -                           |
| 40           | SB            | -                           |

| Terminal No. | Color Of Wire | Signal Name [Specification]        |
|--------------|---------------|------------------------------------|
| 1            | P             | BATTERY POWER SUPPLY               |
| 2            | G             | IGNITION POWER SUPPLY              |
| 4            | SB            | DOOR MOTOR POWER SUPPLY            |
| 5            | BR            | LAN SIGNAL                         |
| 7            | R             | REAR WINDOW DEFROSTER F/R SIGNAL   |
| 8            | P             | ILLUMINATION POWER SUPPLY          |
| 9            | GR            | A/C POWER SUPPLY                   |
| 10           | W             | FRONT BLOWER MOTOR CONTROL SIGNAL  |
| 12           | BE            | BLOWER FAN ON SIGNAL               |
| 13           | G             | A/C ON SIGNAL                      |
| 17           | G             | ENGINE COOLANT TEMPERATURE SIGNAL  |
| 21           | B             | GROUND                             |
| 23           | B             | REAR WINDOW DEFROSTER ON SIGNAL    |
| 25           | BE            | ILLUMINATION GROUND                |
| 26           | GR            | REAR BLOWER MOTOR ON SIGNAL        |
| 27           | GR            | REAR BLOWER MOTOR ON SIGNAL        |
| 28           | W             | COMMON (B/A/C CONT./A/C AUTO AMP.) |
| 37           | BE            | INTAKE SENSOR SIGNAL               |
| 40           | G             | SENSOR GROUND                      |

| Terminal No. | Color Of Wire | Signal Name [Specification]                   |
|--------------|---------------|-----------------------------------------------|
| 1            | P             | BATTERY POWER SUPPLY                          |
| 2            | G             | IGNITION POWER SUPPLY                         |
| 4            | SB            | DOOR MOTOR POWER SUPPLY                       |
| 5            | BR            | LAN SIGNAL                                    |
| 7            | R             | REAR WINDOW DEFROSTER F/R SIGNAL              |
| 8            | P             | ILLUMINATION POWER SUPPLY                     |
| 9            | GR            | A/C POWER SUPPLY                              |
| 10           | W             | FRONT BLOWER MOTOR CONTROL SIGNAL             |
| 12           | BE            | BLOWER FAN ON SIGNAL                          |
| 13           | G             | A/C ON SIGNAL                                 |
| 15           | GR            | ENGINE COOLANT TEMPERATURE SIGNAL             |
| 17           | G             | SUNLOAD SENSOR SIGNAL                         |
| 19           | W             | FRONT IN-VEHICLE SENSOR SIGNAL                |
| 20           | B             | A/C AUTO AMP. CONTROL RECOGNITION SIGNAL      |
| 21           | B             | GROUND                                        |
| 22           | BE            | VEHICLE SPEED SIGNAL                          |
| 27           | BE            | REAR WINDOW DEFROSTER ON SIGNAL               |
| 28           | GR            | ILLUMINATION GROUND                           |
| 30           | R             | REAR BLOWER MOTOR CONTROL SIGNAL              |
| 32           | G             | COMMON (B/A/C AUTO AMP./A/C AUTO AMP.)        |
| 33           | W             | COMMON (B/A/C CONT./A/C AUTO AMP.)            |
| 36           | R             | DATA GAS/OUTSIDE DOOR DETECTING SENSOR SIGNAL |
| 37           | BE            | INTAKE SENSOR SIGNAL                          |
| 38           | GR            | REAR IN-VEHICLE SENSOR SIGNAL                 |
| 39           | L             | AMBIENT SENSOR SIGNAL                         |
| 40           | G             | SENSOR GROUND                                 |

| Terminal No. | Color Of Wire | Signal Name [Specification]            |
|--------------|---------------|----------------------------------------|
| 1            | P             | - [Without automatic drive positioner] |
| 1            | R/L           | - [With automatic drive positioner]    |
| 2            | B/R           | - [Without automatic drive positioner] |
| 2            | GR            | - [With automatic drive positioner]    |
| 3            | G             | -                                      |
| 4            | BR            | - [With automatic drive positioner]    |
| 4            | R             | - [Without automatic drive positioner] |
| 5            | G             | - [Without automatic drive positioner] |
| 5            | SB            | - [With automatic drive positioner]    |
| 5            | P             | -                                      |

|                |                             |
|----------------|-----------------------------|
| Connector No.  | M55                         |
| Connector Name | ILLUMINATION CONTROL SWITCH |
| Connector Type | TH-804P-4N                  |



|    |    |    |    |
|----|----|----|----|
| 4  | 3  | 2  | 1  |
| 16 | 15 | 14 | 13 |

| Terminal No. | Color Of Wire | Signal Name [Specification]            |
|--------------|---------------|----------------------------------------|
| 1            | P             | - [Without automatic drive positioner] |
| 1            | R/L           | - [With automatic drive positioner]    |
| 2            | B             | - [Without automatic drive positioner] |
| 2            | B/R           | - [With automatic drive positioner]    |
| 3            | W             | - [Without automatic drive positioner] |
| 3            | Y             | - [With automatic drive positioner]    |
| 4            | G             | - [Without automatic drive positioner] |
| 4            | V             | - [With automatic drive positioner]    |
| 5            | P             | -                                      |

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## ILLUMINATION

|                |            |
|----------------|------------|
| Connector No.  | M60        |
| Connector Name | BSW SWITCH |
| Connector Type | TH08F-LNH  |



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

|                |                            |
|----------------|----------------------------|
| Connector No.  | M63                        |
| Connector Name | AUTOMATIC BACK DOOR SWITCH |
| Connector Type | TH08F5Y-NH                 |



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

|                |                                 |
|----------------|---------------------------------|
| Connector No.  | M65                             |
| Connector Name | CVT SHIFT SELECTOR ILLUMINATION |
| Connector Type | TH0218B                         |



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

|                |                         |
|----------------|-------------------------|
| Connector No.  | M66                     |
| Connector Name | FOOT LAMP (DRIVER SIDE) |
| Connector Type | A02FN                   |



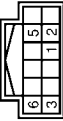
| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | P             | -                           |
| 2            | B             | -                           |

|                |                            |
|----------------|----------------------------|
| Connector No.  | M67                        |
| Connector Name | FOOT LAMP (PASSENGER SIDE) |
| Connector Type | A02FN                      |



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

|                |                                      |
|----------------|--------------------------------------|
| Connector No.  | M69                                  |
| Connector Name | ILLUMINATION (CASE SWITCH/REAR DOOR) |
| Connector Type | TH137F5Y-NH                          |



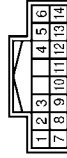
| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | W             | -                           |
| 2            | W             | -                           |
| 3            | B             | -              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

|                |                             |
|----------------|-----------------------------|
| Connector No.  | M101                        |
| Connector Name | PUSH-BUTTON IGNITION SWITCH |
| Connector Type | TH08F-B                     |



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

|                |                    |
|----------------|--------------------|
| Connector No.  | M103               |
| Connector Name | COMBINATION SWITCH |
| Connector Type | TH18FV-NH          |



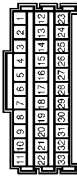
| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | R             | RR                          |
| 2            | G             | OUTPUT 4                    |
| 3            | P             | FR                          |
| 4            | W             | IGN                         |
| 5            | BE            | OUTPUT 3                    |
| 6            | B/V           | GROUND                      |
| 7            | P             | INPUT 3                     |
| 8            | R             | OUTPUT 5                    |
| 9            | GR            | INPUT 2                     |
| 10           | W             | INPUT 4                     |
| 11           | R             | INPUT 1                     |
| 12           | W             | OUTPUT 1                    |

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## ILLUMINATION

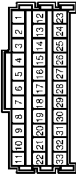
| Terminal No. | Color | Wire | Signal Name [Specification] |
|--------------|-------|------|-----------------------------|
| 13           | R     |      | INPUT 5                     |
| 14           | G     |      | OUTPUT 2                    |

| Connector No. | Connector Name      | Connector Type |
|---------------|---------------------|----------------|
| M10E          | JOINT CONNECTOR-M15 |                |
| 8130W         |                     |                |



| Terminal No. | Color | Wire | Signal Name [Specification]                                                   |
|--------------|-------|------|-------------------------------------------------------------------------------|
| 1            | B     |      | -                                                                             |
| 2            | B     |      | -                                                                             |
| 3            | B     |      | -                                                                             |
| 4            | L     |      | -                                                                             |
| 5            | L     |      | -                                                                             |
| 6            | L     |      | -                                                                             |
| 8            | GR    |      | -                                                                             |
| 9            | Y     |      | -                                                                             |
| 10           | Y     |      | -                                                                             |
| 11           | Y     |      | -                                                                             |
| 12           | B     |      | -                                                                             |
| 13           | B     |      | -                                                                             |
| 14           | B     |      | -                                                                             |
| 15           | R     |      | -                                                                             |
| 17           | Y     |      | -                                                                             |
| 18           | Y     |      | -                                                                             |
| 19           | Y     |      | -                                                                             |
| 20           | Y     |      | -                                                                             |
| 21           | G     |      | - [Without automatic drive positioner]<br>- [With automatic drive positioner] |
| 22           | G     |      | - [Without automatic drive positioner]<br>- [With automatic drive positioner] |
| 23           | GR    |      | -                                                                             |
| 25           | GR    |      | -                                                                             |
| 26           | V     |      | -                                                                             |
| 27           | V     |      | -                                                                             |
| 28           | V     |      | -                                                                             |
| 29           | SB    |      | -                                                                             |
| 30           | BE    |      | -                                                                             |
| 31           | SB    |      | -                                                                             |
| 32           | SB    |      | -                                                                             |
| 33           | BE    |      | -                                                                             |

| Connector No. | Connector Name      | Connector Type |
|---------------|---------------------|----------------|
| M107          | JOINT CONNECTOR-M14 |                |
| 8130W         |                     |                |



| Terminal No. | Color | Wire | Signal Name [Specification]                                                   |
|--------------|-------|------|-------------------------------------------------------------------------------|
| 2            | R     |      | -                                                                             |
| 3            | R     |      | -                                                                             |
| 4            | R     |      | -                                                                             |
| 6            | O     |      | -                                                                             |
| 7            | O     |      | -                                                                             |
| 8            | O     |      | -                                                                             |
| 9            | P     |      | -                                                                             |
| 10           | P     |      | -                                                                             |
| 11           | O     |      | -                                                                             |
| 12           | Y     |      | -                                                                             |
| 13           | Y     |      | -                                                                             |
| 14           | Y     |      | -                                                                             |
| 15           | B     |      | -                                                                             |
| 16           | B     |      | -                                                                             |
| 17           | Y     |      | -                                                                             |
| 18           | Y     |      | -                                                                             |
| 19           | G     |      | - [Without automatic drive positioner]<br>- [With automatic drive positioner] |
| 20           | G     |      | - [Without automatic drive positioner]<br>- [With automatic drive positioner] |
| 21           | Y     |      | - [Without automatic drive positioner]<br>- [With automatic drive positioner] |
| 22           | G     |      | - [Without automatic drive positioner]<br>- [With automatic drive positioner] |
| 23           | V     |      | -                                                                             |
| 25           | LG    |      | -                                                                             |
| 26           | LG    |      | -                                                                             |
| 27           | V     |      | -                                                                             |
| 29           | P     |      | -                                                                             |
| 30           | P     |      | -                                                                             |
| 31           | P     |      | -                                                                             |
| 32           | P     |      | -                                                                             |
| 33           | P     |      | -                                                                             |

| Connector No. | Connector Name      | Connector Type |
|---------------|---------------------|----------------|
| M108          | JOINT CONNECTOR-M01 |                |
| TK04W-J       |                     |                |



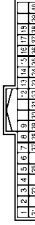
| Terminal No. | Color | Wire | Signal Name [Specification] |
|--------------|-------|------|-----------------------------|
| 1            | R/G   |      | -                           |
| 2            | P     |      | -                           |
| 3            | P     |      | -                   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

| Connector No. | Connector Name      | Connector Type |
|---------------|---------------------|----------------|
| M110          | JOINT CONNECTOR-M04 |                |
| TK04W-J       |                     |                |



| Terminal No. | Color | Wire | Signal Name [Specification]                                                   |
|--------------|-------|------|-------------------------------------------------------------------------------|
| 1            | B/P   |      | -                                                                             |
| 2            | B     |      | - [Without automatic drive positioner]<br>- [With automatic drive positioner] |
| 3            | B/P   |      | - [Without automatic drive positioner]<br>- [With automatic drive positioner] |
| 4            | B     |      | - [Without automatic drive positioner]<br>- [With automatic drive positioner] |

| Connector No. | Connector Name            | Connector Type |
|---------------|---------------------------|----------------|
| M121          | BCM (BODY CONTROL MODULE) |                |
| TK04B-NH      |                           |                |



| Terminal No. | Color | Wire | Signal Name [Specification]                   |
|--------------|-------|------|-----------------------------------------------|
| 1            | W     |      | REAR WINDOW DEF RELAY CONT                    |
| 2            | R     |      | COMBI SW INPUT 5                              |
| 3            | G     |      | COMBI SW INPUT 4                              |
| 4            | BE    |      | COMBI SW INPUT 3                              |
| 5            | G     |      | COMBI SW INPUT 2                              |
| 6            | W     |      | COMBI SW INPUT 1                              |
| 7            | W     |      | KEY CTL UNLOCK SW                             |
| 8            | GR    |      | PIV SW COMMM [With automatic side door]       |
| 8            | Y     |      | KEY CTL LOCK SW [Without automatic side door] |
| 9            | GR    |      | STOP JUMP SW 1                                |
| 12           | GR    |      | DOOR LK & UNLK SW LOCK                        |
| 13           | BR    |      | DOOR LK & UNLK SW UNLOCK                      |
| 14           | L     |      | OPTICAL SENS                                  |
| 15           | W     |      | REAR WINDOW DEF SW                            |
| 16           | W     |      | REAR WINDOW DEF SW                            |
| 17           | O     |      | REAR WINDOW DEF SW                            |
| 18           | R     |      | RECV SW S&S COMB                              |
| 21           | GR    |      | WATS ANT AMP                                  |
| 23           | W     |      | SECURITY MDO CONT                             |
| 25           | P     |      | WATS ANT AMP                                  |
| 27           | O     |      | A/C ON                                        |
| 28           | BR    |      | BLOWER FAN ON                                 |
| 29           | P     |      | HAZARD SW                                     |
| 30           | L     |      | BL DOOR LINK SW                               |
| 31           | G     |      | DR DOOR LINK SENS                             |
| 32           | R     |      | COMBI SW OUTPUT 5                             |
| 33           | W     |      | COMBI SW OUTPUT 4                             |
| 34           | P     |      | COMBI SW OUTPUT 3                             |
| 35           | GR    |      | COMBI SW OUTPUT 2                             |
| 36           | R     |      | COMBI SW OUTPUT 1                             |
| 37           | G     |      | DETENT SW                                     |
| 38           | BE    |      | RECEIVER COMM                                 |
| 39           | L     |      | CAN-H                                         |
| 40           | P     |      | CAN-L                                         |

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## ILLUMINATION

|                |                           |
|----------------|---------------------------|
| Connector No.  | M123                      |
| Connector Name | BCM (BODY CONTROL MODULE) |
| Connector Type | FE43P/14-1446-54          |



|    |    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|----|----|
| 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 |
| 65 | 66 | 67 | 68 | 69 | 70 |    |    |    |

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 56           | P             | INT ROOM LAMP PWR SW        |
| 57           | Y             | BAT                         |
| 58           | C             | AIR BAG                     |
| 59           | SB            | PASS DOOR LINK OUTPUT       |
| 60           | V             | TURN SIG LH OUTPUT          |
| 61           | G             | TURN SIG RH OUTPUT          |
| 62           | W             | STEP LAMP CONT              |
| 63           | R             | INT ROOM LAMP CONT          |
| 64           | W             | CRANK REQ                   |
| 65           | V             | ALL DOOR LOCK OUTPUT        |
| 66           | G             | DR DOOR LINK OUTPUT         |
| 67           | B             | GROUND                      |
| 68           | L             | PW PWR SW1 (IGN)            |
| 69           | P             | PW PWR SW2 (BAT)            |
| 70           | L             | BAT                         |

|                |                           |
|----------------|---------------------------|
| Connector No.  | M124                      |
| Connector Name | BCM (BODY CONTROL MODULE) |
| Connector Type | TH48PW-N4                 |



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# ILLUMINATION

< WIRING DIAGRAM >

## ILLUMINATION

|                |              |
|----------------|--------------|
| Connector No.  | M137         |
| Connector Name | WIRE TO WIRE |
| Connector Type | TH-40FW-NH   |



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

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 2            | W             | -                           |
| 3            | B             | -                           |
| 4            | SHIELD        | -                           |
| 5            | SB            | -                           |
| 6            | BR            | -                           |
| 7            | Y             | -                           |
| 8            | LG            | -                           |
| 9            | B             | -                           |
| 10           | L             | -                           |
| 11           | W             | -                           |
| 12           | P             | -                           |
| 13           | BE            | -                           |
| 14           | LG            | -                           |
| 15           | SB            | -                           |
| 16           | GR            | -                           |
| 17           | O             | -                           |
| 18           | G             | -                           |
| 19           | G             | -                           |
| 20           | SB            | -                           |
| 21           | B             | -                           |
| 23           | B             | -                           |
| 24           | B             | -                           |
| 25           | SHIELD        | -                           |
| 26           | B             | -                           |
| 27           | R             | -                           |
| 28           | W             | -                           |
| 30           | LG            | -                           |
| 31           | SB            | -                           |
| 33           | BE            | -                           |
| 34           | W             | -                           |
| 35           | R             | -                           |
| 36           | P             | -                           |
| 37           | L             | -                           |
| 38           | P             | -                           |
| 39           | L             | -                           |
| 40           | V             | -                           |

|                |              |
|----------------|--------------|
| Connector No.  | M170         |
| Connector Name | WIRE TO WIRE |
| Connector Type | TH-24FW-NH   |



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

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 4            | SB            | -                           |
| 5            | G             | -                           |
| 6            | O             | -                           |
| 7            | V             | -                           |
| 8            | W             | -                           |
| 9            | B             | -                           |
| 10           | SHIELD        | -                           |
| 11           | SB            | -                           |
| 12           | LG            | -                           |
| 13           | SHIELD        | -                           |
| 14           | W             | -                           |
| 15           | B             | -                           |
| 16           | W             | -                           |
| 17           | B             | -                           |
| 18           | SHIELD        | -                           |
| 19           | W             | -                           |
| 20           | B             | -                           |
| 21           | SHIELD        | -                           |

|                |                 |
|----------------|-----------------|
| Connector No.  | M183            |
| Connector Name | AV CONTROL UNIT |
| Connector Type | NH18FW-CS2      |



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

| Terminal No. | Color Of Wire | Signal Name [Specification]            |
|--------------|---------------|----------------------------------------|
| 1            | LG            | SOUND SIGNAL FRONT SPEAKER LH (+)      |
| 2            | Y             | SOUND SIGNAL FRONT SPEAKER LH (-)      |
| 3            | Y             | SOUND SIGNAL SLIDE DOOR SPEAKER LH (+) |
| 4            | L             | SOUND SIGNAL SLIDE DOOR SPEAKER LH (-) |
| 5            | L             | STEERING SWITCH SIGNAL A               |
| 6            | BE            | ACC POWER SUPPLY                       |
| 7            | O             | DIMMER SIGNAL                          |
| 8            | BE            | DIMMER SIGNAL                          |
| 11           | L             | SOUND SIGNAL FRONT SPEAKER RH (+)      |
| 12           | B             | SOUND SIGNAL SLIDE DOOR SPEAKER RH (+) |
| 13           | BR            | SOUND SIGNAL SLIDE DOOR SPEAKER RH (-) |
| 14           | SB            | STEERING SWITCH SIGNAL B               |
| 15           | W             | STEERING SWITCH GROUND                 |
| 16           | P             | BATTERY POWER SUPPLY                   |
| 19           | SB            | GROUND                                 |
| 20           | B             | GROUND                                 |

|                |                 |
|----------------|-----------------|
| Connector No.  | M193            |
| Connector Name | AV CONTROL UNIT |
| Connector Type | TH-27W-NH       |



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

| Terminal No. | Color Of Wire | Signal Name [Specification]                            |
|--------------|---------------|--------------------------------------------------------|
| 65           | R             | PARKING BRAKE SIGNAL                                   |
| 67           | W             | COMPOSITE IMAGE SIGNAL (GROUND FOR FRONT DISPLAY UNIT) |
| 68           | R             | COMPOSITE IMAGE SIGNAL (FOR FRONT DISPLAY UNIT)        |
| 71           | SHIELD        | SHIELD                                                 |
| 72           | W             | MICROPHONE VCC                                         |
| 73           | B             | COMMUNICATION SIGNAL (CONT-DRSP)                       |
| 74           | P             | CAN-L                                                  |
| 75           | LG            | AV COMMUNICATION SIGNAL (L3)                           |
| 76           | LG            | AV COMMUNICATION SIGNAL (L3)                           |
| 79           | BE            | DIMMER SIGNAL                                          |
| 80           | G             | IGNITION SIGNAL                                        |
| 81           | W             | REVERSE SIGNAL                                         |
| 82           | P             | VEHICLE SPEED SIGNAL (8-PULSE)                         |
| 83           | SHIELD        | SHIELD                                                 |
| 84           | B             | COMPOSITE IMAGE SYNCHRONIZING SIGNAL                   |
| 87           | B             | MICROPHONE SIGNAL                                      |
| 88           | SHIELD        | SHIELD                                                 |

|    |    |                                  |
|----|----|----------------------------------|
| 89 | W  | COMMUNICATION SIGNAL (DISP-CONT) |
| 90 | SB | AV COMMUNICATION SIGNAL (H)      |
| 91 | SB | AV COMMUNICATION SIGNAL (H)      |
| 92 | V  | AV COMMUNICATION SIGNAL (H)      |

|                |                                     |
|----------------|-------------------------------------|
| Connector No.  | M212                                |
| Connector Name | HEATED SEAT SWITCH (PASSENGER SIDE) |
| Connector Type | NH26BR-CS                           |



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

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | L             | -                           |
| 2            | SB            | -                           |
| 3            | Y             | -                           |
| 4            | GR            | -                           |
| 5            | P             | -                           |
| 6            | B             | -                           |

|                |                                  |
|----------------|----------------------------------|
| Connector No.  | M213                             |
| Connector Name | HEATED SEAT SWITCH (DRIVER SIDE) |
| Connector Type | NH26FW-CS                        |



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

| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | L             | -                           |
| 2            | BR            | -                           |
| 3            | LG            | -                           |
| 4            | B             | -                           |
| 5            | P             | -                           |
| 6            | GR            | -                           |

JRLWF6627GB

# ILLUMINATION

## < WIRING DIAGRAM >

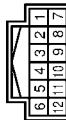
### ILLUMINATION

|                |                                   |
|----------------|-----------------------------------|
| Connector No.  | M343                              |
| Connector Name | COMBINATION SWITCH (SPIRAL CABLE) |
| Connector Type | TH28-5GT                          |

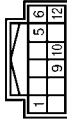


| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 13           | -             | -                           |
| 14           | -             | -                           |
| 15           | -             | -              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

|                |              |
|----------------|--------------|
| Connector No.  | R18          |
| Connector Name | WIRE TO WIRE |
| Connector Type | TH-12FW-NH   |



|                |                  |
|----------------|------------------|
| Connector No.  | M15              |
| Connector Name | REAR A/C CONTROL |
| Connector Type | TH-12FW-NH       |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | B             | GROUND                      |
| 5            | R             | ILL+ [With auto A/C]        |
| 6            | R/L           | ILL+ [With manual A/C]      |
| 9            | BR/R          | ILL-                        |
| 10           | BR            | RA [With manual A/C]        |
| 12           | G             | TX                          |
|              |               | IGN                         |

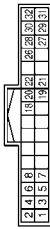
|                |              |
|----------------|--------------|
| Connector No.  | R14          |
| Connector Name | WIRE TO WIRE |
| Connector Type | TH-24MW-NH   |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | G             | -                           |
| 2            | BR            | -                           |
| 3            | BR/R          | - [With manual A/C]         |
| 4            | V             | - [With auto A/C]           |
| 7            | R             | - [With manual A/C]         |
| 8            | R/L           | -                           |
| 10           | SHIELD        | -                           |
| 11           | B             | -                           |
| 12           | O             | -                           |
| 13           | P             | -                           |
| 14           | V             | -                           |
| 15           | BR            | -                           |

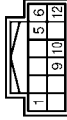
|    |        |   |
|----|--------|---|
| 16 | L/O    | - |
| 17 | W/L    | - |
| 18 | SHIELD | - |
| 19 | BR     | - |
| 20 | SHIELD | - |
| 21 | SHIELD | - |

|                |                   |
|----------------|-------------------|
| Connector No.  | R35               |
| Connector Name | REAR DISPLAY UNIT |
| Connector Type | TH-137W-NH        |



| Terminal No. | Color Of Wire | Signal Name [Specification]   |
|--------------|---------------|-------------------------------|
| 1            | W/L           | HEADPHONE SOUND SIGNAL RH (L) |
| 2            | L/O           | HEADPHONE SOUND SIGNAL RH (R) |
| 3            | W             | HEADPHONE SOUND SIGNAL LH (L) |
| 4            | B             | HEADPHONE SOUND SIGNAL LH (R) |
| 5            | SHIELD        | SHIELD                        |
| 6            | SHIELD        | SHIELD                        |
| 7            | B             | COMPOSITE IMAGE SIGNAL        |
| 8            | W             | VIDEO SIGNAL                  |
| 10           | SHIELD        | SHIELD                        |
| 11           | SHIELD        | SHIELD                        |
| 12           | Y             | AV COMMUNICATION SIGNAL (L)   |
| 13           | B             | AV COMMUNICATION SIGNAL (R)   |
| 14           | BR            | AV COMMUNICATION SIGNAL (H)   |
| 15           | LG            | IGNITION SIGNAL               |
| 16           | SH            | ILLUMINATION SIGNAL           |
| 17           | SB            | ACC POWER SUPPLY              |
| 18           | V             | BATTERY POWER SUPPLY          |
| 19           | GR            | BATTERY POWER SUPPLY          |
| 20           | GR            | BATTERY POWER SUPPLY          |
| 21           | B             | GROUND                        |
| 22           | B             | GROUND                        |

|                |                  |
|----------------|------------------|
| Connector No.  | M101             |
| Connector Name | REAR A/C CONTROL |
| Connector Type | TH-12FW-NH       |



| Terminal No. | Color Of Wire | Signal Name [Specification]              |
|--------------|---------------|------------------------------------------|
| 1            | B             | GROUND                                   |
| 5            | Y             | ILL+                                     |
| 6            | B             | ILL-                                     |
| 9            | LG            | RX                                       |
| 10           | SB            | TX                                       |
| 12           | P             | IGN [Without automatic drive positioner] |
|              |               | IGN [With automatic drive positioner]    |

|                |              |
|----------------|--------------|
| Connector No.  | R106         |
| Connector Name | WIRE TO WIRE |
| Connector Type | TH-18MW-NH   |



| Terminal No. | Color Of Wire | Signal Name [Specification]                              |
|--------------|---------------|----------------------------------------------------------|
| 1            | LG            | -                                                        |
| 2            | SB            | -                                                        |
| 3            | P             | - [For Rear Display Unit, without auto recreation]       |
| 4            | V             | - [Except for Rear Display Unit without auto recreation] |
| 6            | LG            | -                                                        |
| 7            | LG            | -                                                        |
| 8            | BR            | -                                                        |
| 9            | SB            | -                                                        |
| 10           | BR            | -                                                        |
| 11           | B             | -                                                        |
| 12           | V             | -                                                        |
| 13           | Y             | -                                                        |

JRLWF6628GB

ILLUMINATION

|    |        |   |
|----|--------|---|
| 14 | B      | - |
| 15 | SHIELD | - |
| 16 | W      | - |

|                |              |
|----------------|--------------|
| Connector No.  | 8307         |
| Connector Name | WIRE TO WIRE |
| Connector Type | 1H12MM-MH    |



| Terminal No. | Color Of Wire | Signal Name [Specification] |
|--------------|---------------|-----------------------------|
| 1            | V             | -                           |
| 2            | SB            | -                           |
| 3            | LG            | -                           |
| 4            | Y             | -                           |
| 7            | B             | -                           |
| 8            | L             | -                           |
| 9            | SB            | -                           |
| 10           | P             | -                           |
| 11           | LG            | -                           |

|                |          |
|----------------|----------|
| Connector No.  | 8309     |
| Connector Name | MAP LAMP |
| Connector Type | TK065GY  |



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

JRLWF6629GB

# DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

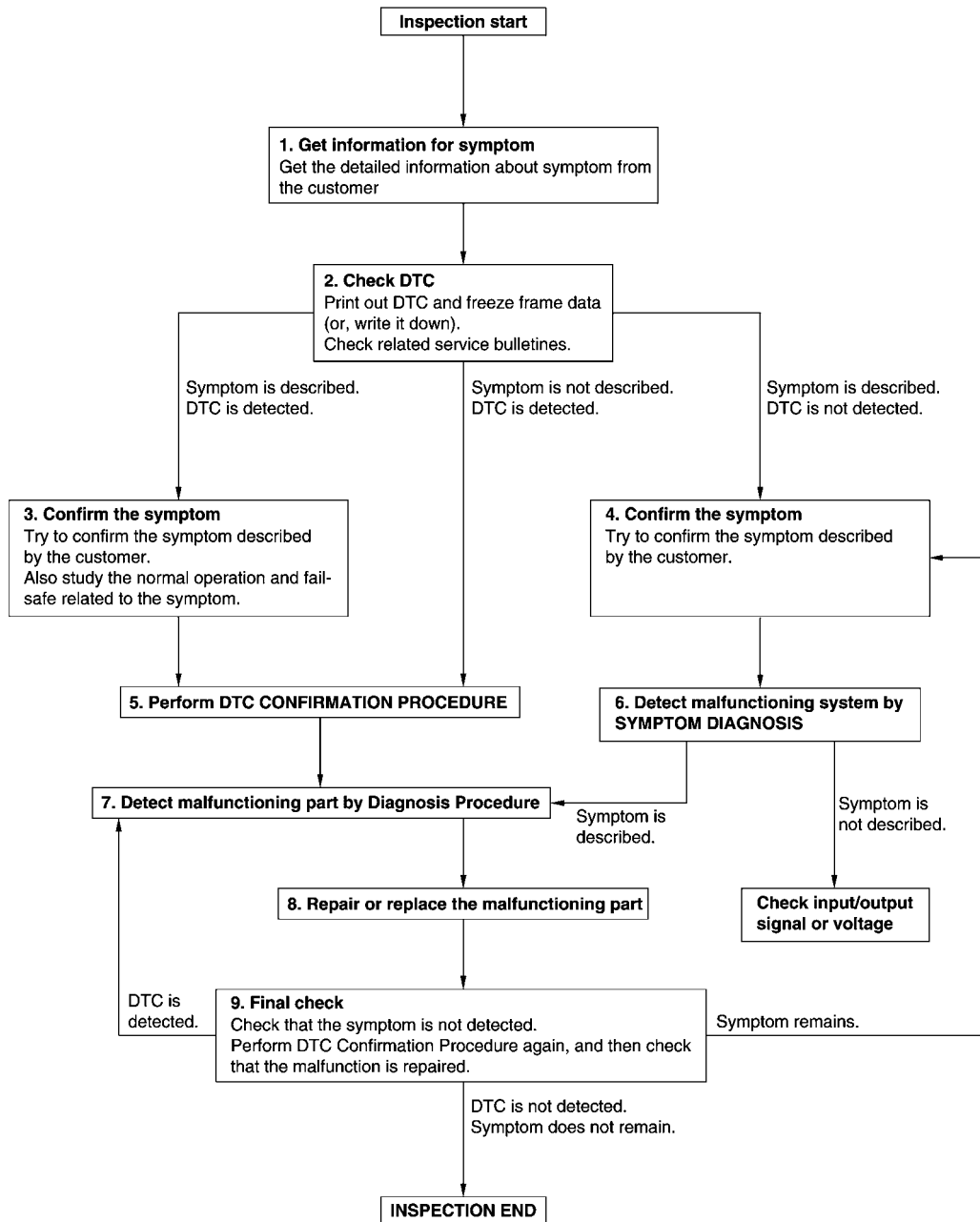
## BASIC INSPECTION

### DIAGNOSIS AND REPAIR WORK FLOW

Work Flow

INFOID:0000000012405236

OVERALL SEQUENCE



DETAILED FLOW

JMKIA8652GB

# DIAGNOSIS AND REPAIR WORK FLOW

## < BASIC INSPECTION >

---

### 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 CONFIRMATION PROCEDURE.

#### Is DTC detected?

YES >> GO TO 7.

NO >> Check according to [GI-41. "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 CONSULT.

### 7.DETECT MALFUNCTIONING PART BY DIAGNOSIS PROCEDURE

---

## DIAGNOSIS AND REPAIR WORK FLOW

### < BASIC INSPECTION >

---

Inspect according to Diagnosis Procedure of the system.

Is malfunctioning part detected?

YES >> GO TO 8.

NO >> Check according to [GI-41. "Intermittent Incident"](#).

### 8. REPAIR OR REPLACE THE MALFUNCTIONING PART

---

1. Repair or replace the malfunctioning part.
2. Reconnect parts or connectors disconnected during Diagnosis Procedure again after repair and replacement.
3. Check DTC. If DTC is detected, erase it.

>> GO TO 9.

### 9. FINAL CHECK

---

When DTC is detected in step 2, perform DTC CONFIRMATION PROCEDURE again, and then check that the 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.

Is DTC detected and does symptom remain?

YES-1 >> DTC is detected: GO TO 7.

YES-2 >> Symptom remains: GO TO 4.

NO >> Before returning the vehicle to the customer, always erase DTC.

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# INTERIOR ROOM LAMP POWER SUPPLY CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

## DTC/CIRCUIT DIAGNOSIS

### INTERIOR ROOM LAMP POWER SUPPLY CIRCUIT

#### Component Function Check

INFOID:0000000012405237

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

##### CONSULT ACTIVE TEST

1. Turn ignition switch ON.
2. Turn each interior room lamp ON.
  - Personal lamp
  - Map lamp
  - Luggage room lamp
  - Automatic back door close switch illumination
  - Step lamp
  - Vanity mirror lamp
3. Select "BATTERY SAVER" of BCM (BATTERY SAVER) active test item.
4. With operating the test items, check that each interior room lamp turns ON/OFF.

Off : Interior room lamp OFF

On : Interior room lamp ON

#### Does the interior room lamp turn ON/OFF?

YES >> Interior room lamp power supply circuit is normal.

NO >> Refer to [INL-60, "Diagnosis Procedure"](#).

#### Diagnosis Procedure

INFOID:0000000012405238

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

##### CONSULT ACTIVE TEST

1. Turn ignition switch OFF.
2. Disconnect the following connectors.
  - Personal lamp(ALL)
  - Map lamp
  - Luggage room lamp
  - Automatic back door close switch
  - Step lamp (both sides)
  - Vanity mirror lamp (both sides)
3. Turn ignition switch ON.
4. Select "BATTERY SAVER" of BCM (BATTERY SAVER) active test item.
5. With operating the test item, check voltage between BCM harness connector and ground.

| BCM           |          | (-)    | Test item     |     | Voltage<br>(Approx.) |
|---------------|----------|--------|---------------|-----|----------------------|
| (+) Connector |          |        |               |     |                      |
| Connector     | Terminal |        |               |     |                      |
| M123          | 56       | Ground | BATTERY SAVER | Off | 0 V                  |
|               |          |        |               | On  | 12 V                 |

#### Is the inspection result normal?

YES >> GO TO 2.

NO >> GO TO 3.

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

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

# INTERIOR ROOM LAMP POWER SUPPLY CIRCUIT

## < DTC/CIRCUIT DIAGNOSIS >

| BCM       |          | Each interior room lamp          |      |          | Continuity |
|-----------|----------|----------------------------------|------|----------|------------|
| Connector | Terminal | Connector                        |      | Terminal |            |
| M123      | 56       | Map lamp                         | R109 | 6        | Existed    |
|           |          | Second personal lamp LH          | R18  | 1        |            |
|           |          | Second personal lamp RH          | R17  | 1        |            |
|           |          | Third personal lamp LH           | R28  | 1        |            |
|           |          | Third personal lamp RH           | R27  | 1        |            |
|           |          | Luggage room lamp                | B51  | 1        |            |
|           |          | Automatic back door close switch | D169 | 3        |            |
|           |          | Step lamp (driver side)          | D51  | 1        |            |
|           |          | Step lamp (passenger side)       | D17  | 1        |            |
|           |          | Vanity mirror lamp LH            | R24  | 1        |            |
|           |          | Vanity mirror lamp RH            | R10  | 1        |            |

Is the inspection result normal?

YES >> Check for internal short circuit of each interior room lamp.

NO >> Repair or replace harnesses.

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

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

| BCM       |          | Ground | Continuity  |
|-----------|----------|--------|-------------|
| Connector | Terminal |        |             |
| M123      | 56       |        | Not existed |

Is the inspection result normal?

YES >> Replace BCM. Refer to [BCS-99, "Removal and Installation"](#).

NO >> Repair or replace harnesses.

# INTERIOR ROOM LAMP CONTROL CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

## INTERIOR ROOM LAMP CONTROL CIRCUIT

### Component Function Check

INFOID:0000000012405239

#### CAUTION:

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

- Interior room lamp power supply
- Map lamp bulb
- Personal lamp bulb

### 1.CHECK INTERIOR ROOM LAMP CONTROL FUNCTION

#### CONSULT ACTIVE TEST

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

On : Interior room lamp gradual brightening

Off : Interior room lamp gradual dimming

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

YES >> Interior room lamp control circuit is normal.

NO >> Refer to [INL-62, "Diagnosis Procedure"](#).

### Diagnosis Procedure

INFOID:0000000012405240

### 1.CHECK INTERIOR ROOM LAMP CONTROL OUTPUT

#### CONSULT ACTIVE TEST

1. Switch the map lamp switch and personal lamp switch to DOOR.
2. Turn ignition switch OFF.
3. Remove all the bulbs of map lamp and personal lamp.
4. Turn ignition switch ON.
5. Select "INT LAMP" of BCM (INT LAMP) active test item.
6. With operating the test item, check continuity between BCM harness connector and ground.

| BCM       |          | Ground | Test item |     | Continuity  |
|-----------|----------|--------|-----------|-----|-------------|
| Connector | Terminal |        |           |     |             |
| M123      | 63       |        | INT LAMP  | On  | Existed     |
|           |          |        |           | Off | Not existed |

Is the inspection result normal?

YES >> GO TO 2.

Fixed ON>>GO TO 3.

Fixed OFF>>Replace BCM. Refer to [BCS-99, "Removal and Installation"](#).

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

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

| BCM       |          | Map lamp  |          | Continuity |
|-----------|----------|-----------|----------|------------|
| Connector | Terminal | Connector | Terminal |            |
| M123      | 63       | R109      | 5        | Existed    |

4. Check continuity between personal lamp harness connector and map lamp harness connector.

# INTERIOR ROOM LAMP CONTROL CIRCUIT

## < DTC/CIRCUIT DIAGNOSIS >

| Map lamp  |          | Personal lamp |          | Continuity |
|-----------|----------|---------------|----------|------------|
| Connector | Terminal | Connector     | Terminal |            |
| R109      | 3        | Second LH     | R18      | Existed    |
|           |          | Second RH     | R17      |            |
|           |          | Third LH      | R28      |            |
|           |          | Third RH      | R27      |            |

Is the inspection result normal?

YES >> Replace map lamp or personal lamp.

NO >> Repair or replace harnesses.

## 3.CHECK INTERIOR ROOM LAMP CONTROL SHORT CIRCUIT

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

| BCM       |          | Ground | Continuity  |
|-----------|----------|--------|-------------|
| Connector | Terminal |        |             |
| M123      | 63       |        | Not existed |

4. Check continuity between map lamp harness connector and ground.

| Map lamp  |          | Ground | Continuity  |
|-----------|----------|--------|-------------|
| Connector | Terminal |        |             |
| R109      | 3        |        | Not existed |

Is the inspection result normal?

YES >> Replace BCM. Refer to [BCS-99, "Removal and Installation"](#).

NO >> Repair or replace harnesses.

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# LUGGAGE ROOM LAMP CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

## LUGGAGE ROOM LAMP CIRCUIT

### Description

INFOID:000000012405241

Controls the luggage room lamp and automatic back door close switch illumination (ground side) to turn the luggage room lamp and automatic back door close switch illumination ON and OFF.

### Diagnosis Procedure

INFOID:000000012405242

#### CAUTION:

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

- Interior room lamp power supply
- Luggage room lamp bulb

#### 1.CHECK LUGGAGE ROOM LAMP OUTPUT

1. Turn ignition switch OFF.
2. Remove the luggage room bulb.
3. Disconnect automatic back door close switch connector.
4. Check continuity between BCM harness connector and ground.

| BCM       |          | Ground | Condition |        | Continuity  |
|-----------|----------|--------|-----------|--------|-------------|
| Connector | Terminal |        | Back door | Open   | Existed     |
| M122      | 49       |        |           | Closed | Not existed |
|           |          |        |           |        |             |

Is the inspection result normal?

YES >> GO TO 2.

Fixed ON>>GO TO 3.

Fixed OFF>>Replace BCM. Refer to [BCS-99, "Removal and Installation"](#).

#### 2.CHECK LUGGAGE ROOM LAMP OPEN CIRCUIT

1. Disconnect BCM connector.
2. Check continuity between BCM harness connector and luggage room lamp harness connector.

| BCM       |          | Luggage room lamp |          | Continuity |
|-----------|----------|-------------------|----------|------------|
| Connector | Terminal | Connector         | Terminal |            |
| M122      | 49       | B51               | 2        | Existed    |

3. Check continuity between BCM harness connector and automatic back door close switch harness connector.

| BCM       |          | Automatic back door close switch |          | Continuity |
|-----------|----------|----------------------------------|----------|------------|
| Connector | Terminal | Connector                        | Terminal |            |
| M122      | 49       | D169                             | 4        | Existed    |

Is the inspection result normal?

YES >> Replace luggage room lamp or automatic back door close switch.

NO >> Repair or replace harnesses.

#### 3.CHECK LUGGAGE ROOM LAMP SHORT CIRCUIT

1. Disconnect BCM connector.
2. Check continuity between BCM harness connector and ground.

| BCM       |          | Ground | Continuity  |
|-----------|----------|--------|-------------|
| Connector | Terminal |        |             |
| M122      | 49       |        | Not existed |

Is the inspection result normal?

YES >> Replace BCM. Refer to [BCS-99, "Removal and Installation"](#).

LUGGAGE ROOM LAMP CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

NO     >> Repair or replace harnesses.

- A
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- G
- H
- I
- J
- K
- INL
- M
- N
- O
- P

# STEP LAMP CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

## STEP LAMP CIRCUIT

### Component Function Check

INFOID:0000000012405243

#### CAUTION:

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

- Interior room lamp power supply
- Step lamp bulb

### 1.CHECK STEP LAMP OPERATION

#### CONSULT ACTIVE TEST

1. Turn ignition switch ON.
2. Select "STEP LAMP TEST" of BCM (INT LAMP) active test item.
3. With operating the test items, check that step lamp turns ON/OFF.

On : Step lamp ON

Off : Step lamp OFF

#### Does the step lamp turn ON/OFF?

YES >> Step lamp circuit is normal.

NO >> Refer to [INL-66, "Diagnosis Procedure"](#).

### Diagnosis Procedure

INFOID:0000000012405244

### 1.CHECK STEP LAMP OUTPUT

#### CONSULT ACTIVE TEST

1. Turn ignition switch OFF.
2. Remove the step lamp bulbs (ALL).
3. Turn ignition switch ON.
4. Select "STEP LAMP TEST" of BCM (INT LAMP) active test item.
5. With operating the test item, check continuity between BCM harness connector and ground.

| BCM       |          | Ground | Test item      |     | Continuity  |
|-----------|----------|--------|----------------|-----|-------------|
| Connector | Terminal |        |                |     |             |
| M123      | 62       |        | STEP LAMP TEST | On  | Existed     |
|           |          |        |                | Off | Not existed |

#### Is the inspection result normal?

YES >> GO TO 2.

Fixed ON>>GO TO 3.

Fixed OFF>>Replace BCM. Refer to [BCS-99, "Removal and Installation"](#).

### 2.CHECK STEP LAMP OPEN CIRCUIT

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

| BCM       |          | Step lamp      |     |          | Continuity |
|-----------|----------|----------------|-----|----------|------------|
| Connector | Terminal | Connector      |     | Terminal |            |
| M123      | 62       | Driver side    | D51 | 2        | Existed    |
|           |          | Passenger side | D17 |          |            |

#### Is the inspection result normal?

YES >> Replace step lamp.

NO >> Repair or replace harnesses.

### 3.CHECK STEP LAMP SHORT CIRCUIT

1. Turn ignition switch OFF.

## STEP LAMP CIRCUIT

### < DTC/CIRCUIT DIAGNOSIS >

2. Check continuity between BCM harness connector and ground.

| BCM       |          | Ground | Continuity  |
|-----------|----------|--------|-------------|
| Connector | Terminal |        |             |
| M123      | 62       |        | Not existed |

Is the inspection result normal?

YES >> Repair or replace harnesses.

NO >> Replace BCM. Refer to [BCS-99, "Removal and Installation"](#).

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# PUSH-BUTTON IGNITION SWITCH ILLUMINATION CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

## PUSH-BUTTON IGNITION SWITCH ILLUMINATION CIRCUIT

### Component Function Check

INFOID:0000000012405245

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

##### CONSULT ACTIVE TEST

1. Turn 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-68, "Diagnosis Procedure"](#).

### Diagnosis Procedure

INFOID:0000000012405246

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

Check voltage between push-button ignition switch harness connector and ground.

| (+)                         |          | (-)    | Condition                   |     | Voltage<br>(Approx.) |
|-----------------------------|----------|--------|-----------------------------|-----|----------------------|
| Push-button ignition switch |          |        |                             |     |                      |
| Connector                   | Terminal |        |                             |     |                      |
| M101                        | 3        | Ground | Push-button ignition switch | ON  | 12 V                 |
|                             |          |        |                             | OFF | 0 V                  |

##### Is the inspection result normal?

YES >> GO TO 4.

NO >> GO TO 2.

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

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

| BCM       |          | Push-button ignition switch |          | Continuity |
|-----------|----------|-----------------------------|----------|------------|
| Connector | Terminal | Connector                   | Terminal |            |
| M124      | 90       | M101                        | 3        | Existed    |

##### Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace harnesses.

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

Check continuity between BCM harness connector and ground.

| BCM       |          | Ground | Continuity  |
|-----------|----------|--------|-------------|
| Connector | Terminal |        |             |
| M124      | 90       |        | Not existed |

##### Is the inspection result normal?

YES >> Replace BCM. Refer to [BCS-99, "Removal and Installation"](#).

NO >> Repair or replace harnesses.

#### 4.CHECK PUSH-BUTTON IGNITION SWITCH ILLUMINATION GROUND CIRCUIT-1

## PUSH-BUTTON IGNITION SWITCH ILLUMINATION CIRCUIT

### < DTC/CIRCUIT DIAGNOSIS >

1. Turn light switch OFF.
2. Check voltage between BCM harness connector and ground.

| (+) BCM   |          | (-)    | Condition                   |    | Voltage (Approx.) |
|-----------|----------|--------|-----------------------------|----|-------------------|
| Connector | Terminal |        |                             |    |                   |
| M124      | 92       | Ground | Push-button ignition switch | ON | 0 V               |

#### Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace BCM. Refer to [BCS-99. "Removal and Installation"](#).

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

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

| Push-button ignition switch |          | BCM       |          | Continuity |
|-----------------------------|----------|-----------|----------|------------|
| Connector                   | Terminal | Connector | Terminal |            |
| M101                        | 2        | M124      | 92       | Existed    |

4. Check continuity between push-button ignition switch harness connector and ground.

| Push-button ignition switch |          | Ground | Continuity  |
|-----------------------------|----------|--------|-------------|
| Connector                   | Terminal |        |             |
| M101                        | 2        |        | Not existed |

#### Is the inspection result normal?

YES >> Replace push-button ignition switch.

NO >> Repair or replace harnesses.

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INL

# INTERIOR LIGHTING SYSTEM SYMPTOMS

< SYMPTOM DIAGNOSIS >

## SYMPTOM DIAGNOSIS

### INTERIOR LIGHTING SYSTEM SYMPTOMS

#### Symptom Table

INFOID:000000012405247

#### 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.<br>• Map lamp<br>• Personal lamp<br>• Vanity mirror lamp<br>• Step lamp<br>• Luggage room lamp<br>• Automatic back door close switch illumination              | • Harness between BCM and each interior room lamp<br>• BCM                                                                                                       | Interior room lamp power supply circuit<br>Refer to <a href="#">INL-60, "Component Function Check"</a> .                                                                                     |
| • Interior room lamp does not turn ON even though the door is open.<br>(It turns ON when turning the interior room lamp ON.)<br>• Interior room lamp does not turn OFF even though the door is closed. | • Harness between BCM and each door switch<br>• Harness between BCM and each interior room lamp<br>• BCM                                                         | Door switch circuit<br>Refer to <a href="#">DLK-247, "Component Function Check"</a> .<br>Interior room lamp control circuit<br>Refer to <a href="#">INL-62, "Component Function Check"</a> . |
| Interior room lamp timer does not activate.<br>(It turns ON/ OFF when the door opens/closes.)                                                                                                          | —                                                                                                                                                                | Check the interior room lamp setting.<br>Refer to <a href="#">INL-22</a> .                                                                                                                   |
| Luggage room lamp or automatic back door close switch illumination does not turn ON even though the back door is open.                                                                                 | • Harness between BCM and back door switch<br>• Harness between BCM and luggage room lamp<br>• Harness between BCM and automatic back door close switch<br>• BCM | Back door switch circuit<br>Refer to <a href="#">DLK-249, "Component Function Check"</a> .<br>Luggage room lamp circuit<br>Refer to <a href="#">INL-64, "Diagnosis Procedure"</a> .          |
| Step lamps (ALL) do not turn ON.                                                                                                                                                                       | • Harness between BCM and each step lamp<br>• BCM                                                                                                                | Door switch circuit<br>Refer to <a href="#">DLK-247, "Component Function Check"</a> .<br>Step lamp circuit<br>Refer to <a href="#">INL-66</a> .                                              |
| Push-button ignition switch illumination does not illuminate.                                                                                                                                          | • Harness between BCM and push-button ignition switch<br>• BCM                                                                                                   | Push-button ignition switch illumination circuit<br>Refer to <a href="#">INL-68, "Component Function Check"</a> .                                                                            |
| Interior room lamp battery saver does not activate.                                                                                                                                                    | BCM                                                                                                                                                              | Replace BCM.<br>Refer to <a href="#">BCS-99, "Removal and Installation"</a> .                                                                                                                |

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# MAP LAMP

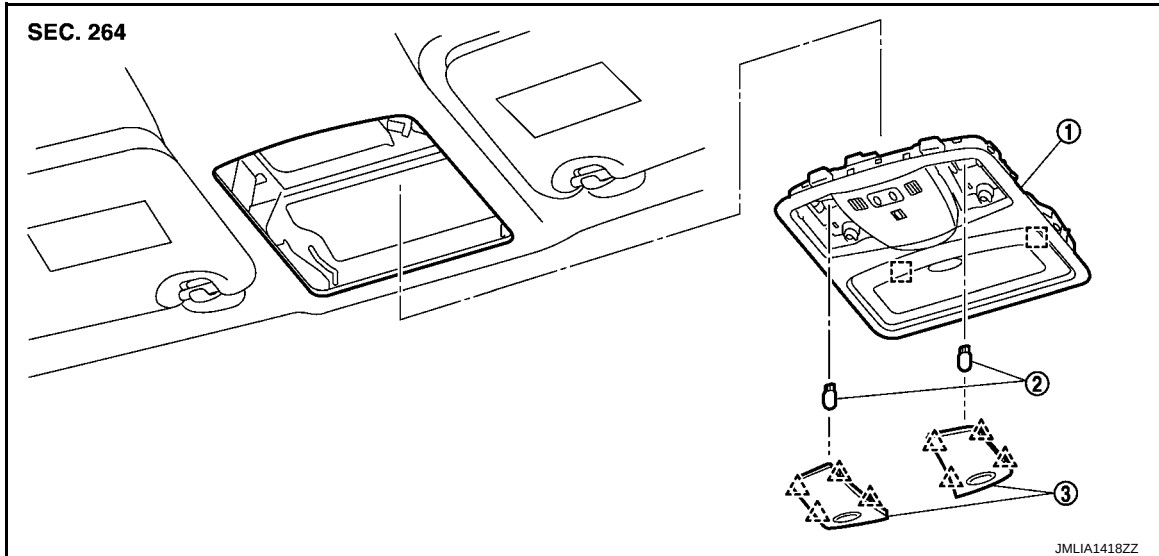
< REMOVAL AND INSTALLATION >

## REMOVAL AND INSTALLATION

### MAP LAMP

#### Exploded View

INFOID:0000000012405248



1. Map lamp assembly

2. Bulb

3. Lens

△ : Pawl

□ : Metal clip

#### Removal and Installation

INFOID:0000000012405249

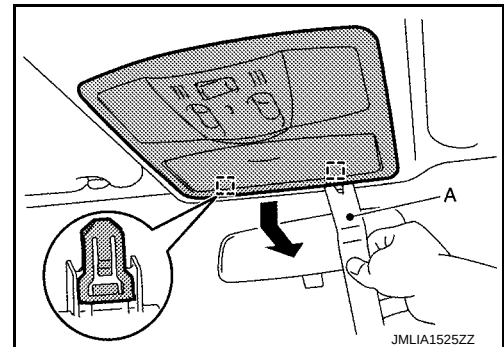
#### CAUTION:

Disconnect the battery negative terminal or remove power circuit fuse while performing the operation to prevent electric leakage.

#### REMOVAL

1. Disengage map lamp assembly fixing metal clips with a remover tool (A).

□ : Metal clip



2. Disconnect harness connector, and then remove map lamp assembly.

#### INSTALLATION

Install in the reverse order of removal.

#### Replacement

INFOID:0000000012405250

#### CAUTION:

- Disconnect the battery negative terminal or remove power circuit fuse while performing the operation to prevent electric leakage.
- Never touch the glass surface of the bulb with bare hands or allow oil or grease to get on it to prevent damage to the bulb.

## MAP LAMP

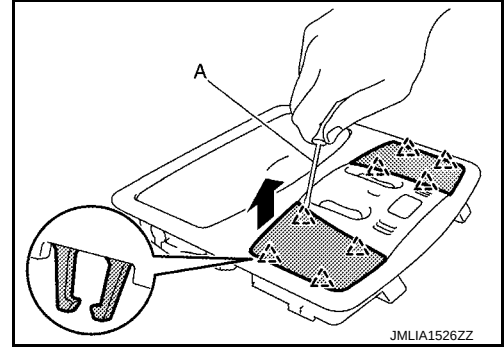
### < REMOVAL AND INSTALLATION >

- **Never touch the glass surface of the bulb with bare hands because the surface is very hot just after the lamp is turned OFF to prevent a burns.**
- **Leaving the bulb removed from housing for a long period of time can deteriorate performance of the lens and reflector (causing dirty or clouding). Always prepare a new bulb and have it on hand when replacing the bulb.**

#### MAP LAMP BULB

1. Disengage lens fixing pawls with a remover tool (A).

 : Pawl



2. Remove bulb.

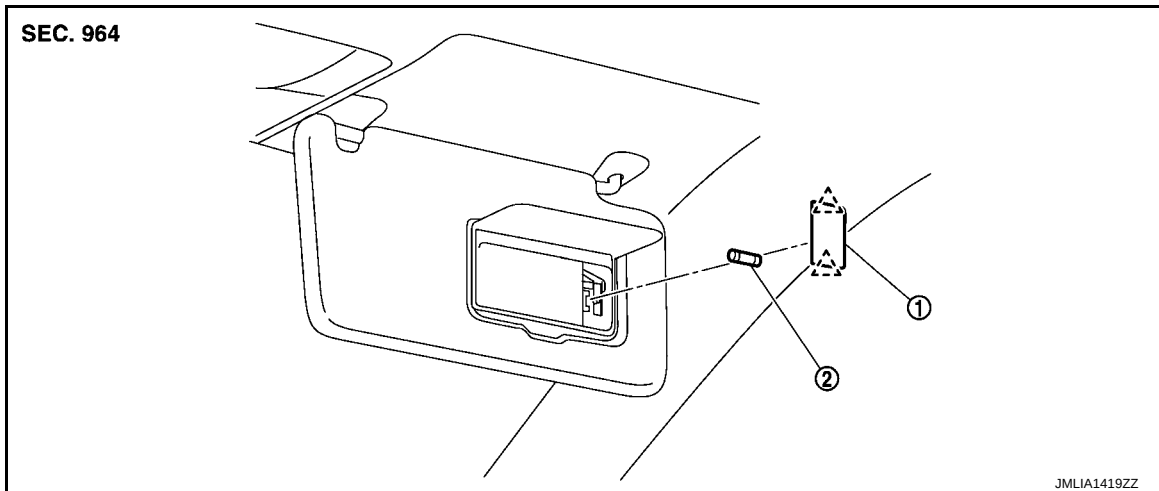
# VANITY MIRROR LAMP

< REMOVAL AND INSTALLATION >

## VANITY MIRROR LAMP

### Exploded View

INFOID:0000000012405251



1. Lens

2. Bulb

△ : Pawl

### Replacement

INFOID:0000000012405252

#### CAUTION:

- Disconnect the battery negative terminal or remove power circuit fuse while performing the operation to prevent electric leakage.
- Never touch the glass surface of the bulb with bare hands or allow oil or grease to get on it to prevent damage to the bulb.
- Never touch the glass surface of the bulb with bare hands because the surface is very hot just after the lamp is turned OFF to prevent a burns.
- Leaving the bulb removed from housing for a long period of time can deteriorate performance of the lens and reflector (causing dirty or clouding). Always prepare a new bulb and have it on hand when replacing the bulb.

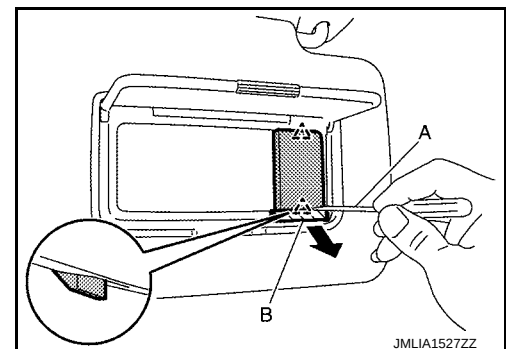
### VANITY MIRROR LAMP

1. Disengage lens fixing pawls with a remover tool (A).

△ : Pawl

#### CAUTION:

Apply protective tape (B) on the part to protect it from damage.



2. Remove bulb.

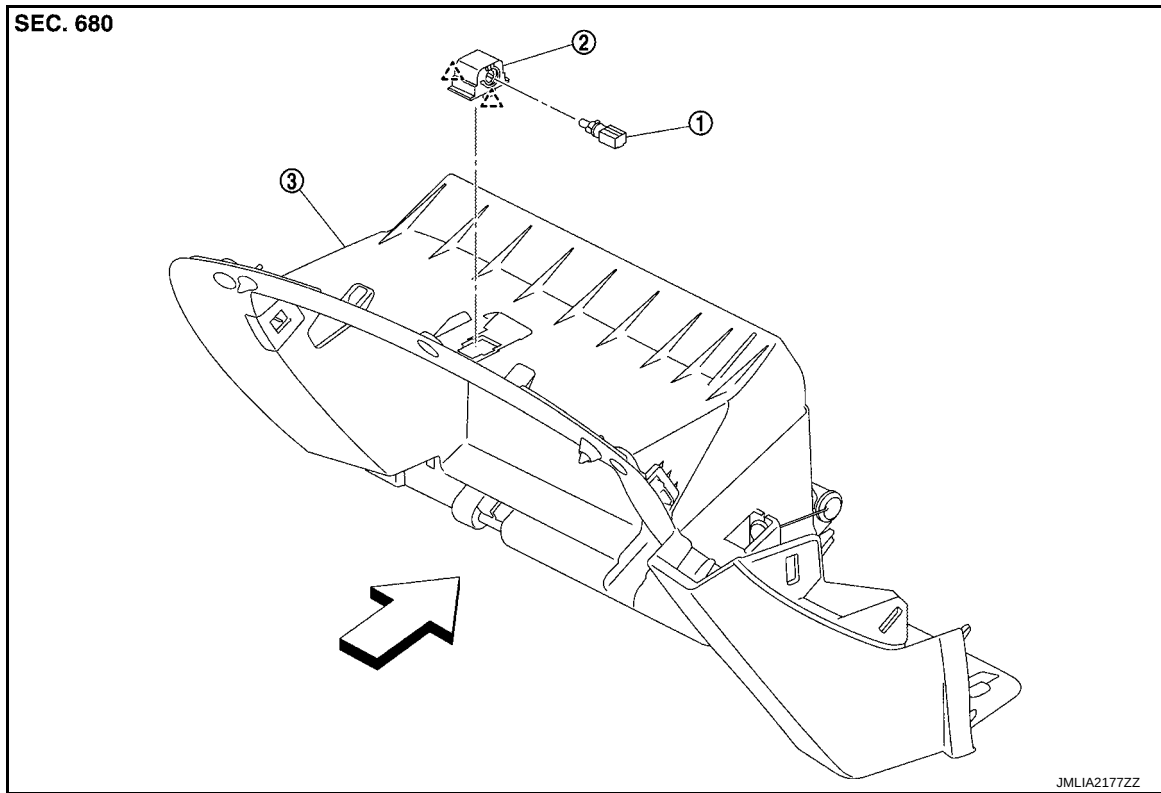
## GLOVE BOX LAMP

< REMOVAL AND INSTALLATION >

### GLOVE BOX LAMP

#### Exploded View

INFOID:0000000012405253



1. Bulb & socket assembly

2. Lamp housing

3. Instrument lower panel RH

△ : Pawl

⇨ : Vehicle front

#### Replacement

INFOID:0000000012405254

##### CAUTION:

- Disconnect the battery negative terminal or remove power circuit fuse while performing the operation to prevent electric leakage.
- Never touch the glass surface of the bulb with bare hands or allow oil or grease to get on it to prevent damage to the bulb.
- Never touch the glass surface of the bulb with bare hands because the surface is very hot just after the lamp is turned OFF to prevent a burns.
- Leaving the bulb removed from housing for a long period of time can deteriorate performance of the lens and reflector (causing dirty or clouding). Always prepare a new bulb and have it on hand when replacing the bulb.

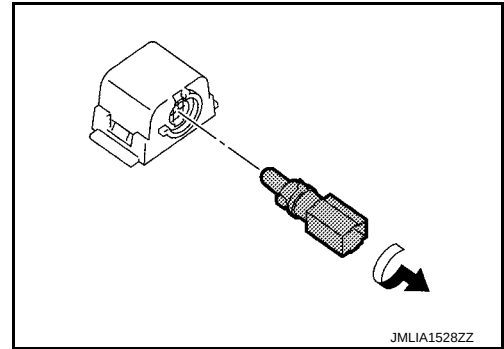
#### GLOVE BOX LAMP BULB

1. Remove Instrument lower panel RH. Refer to [IP-14, "Removal and Installation"](#).

## GLOVE BOX LAMP

### < REMOVAL AND INSTALLATION >

2. Rotate the bulb & socket assembly counterclockwise and unlock it and then remove bulb & socket assembly.



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## FOOT LAMP

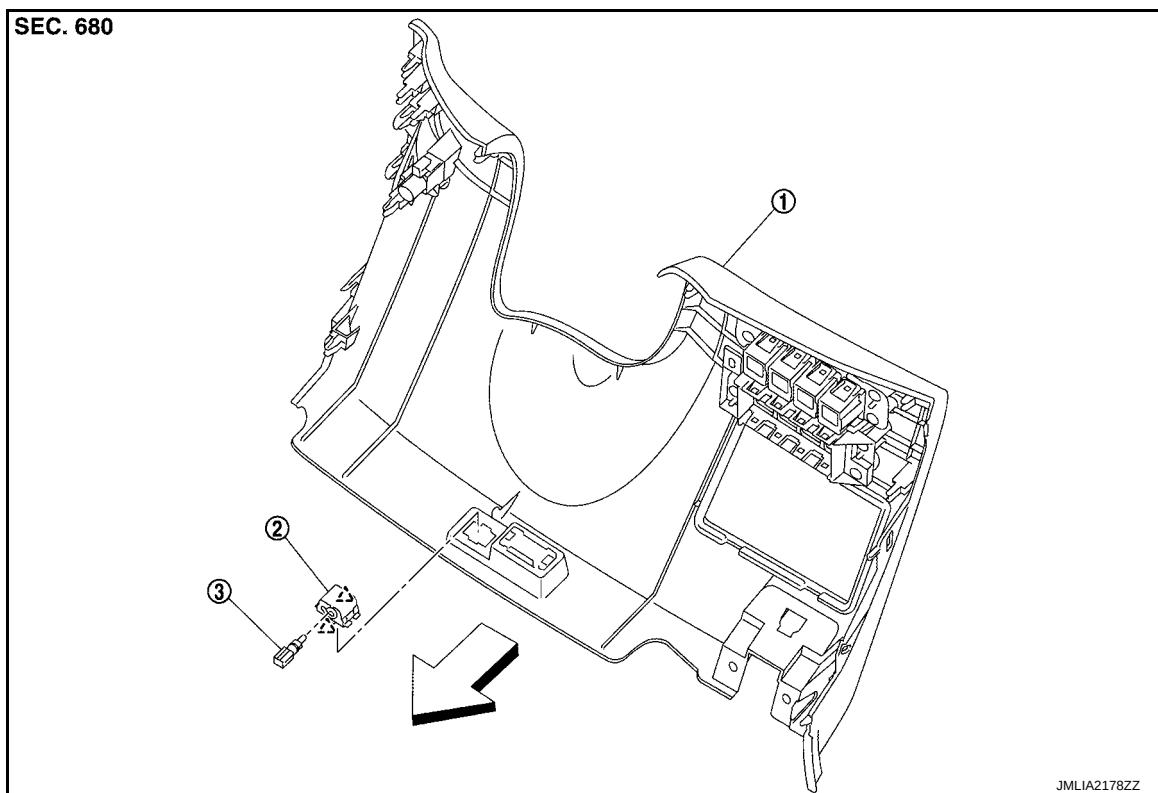
< REMOVAL AND INSTALLATION >

### FOOT LAMP

#### DRIVER SIDE

#### DRIVER SIDE : Exploded View

INFOID:000000012405255



1. Instrument lower panel LH

2. Lamp housing

3. Bulb & socket assembly

△ : Pawl

◁ : Vehicle front

#### DRIVER SIDE : Replacement

INFOID:000000012405256

#### CAUTION:

- Disconnect the battery negative terminal or remove power circuit fuse while performing the operation to prevent electric leakage.
- Never touch the glass surface of the bulb with bare hands or allow oil or grease to get on it to prevent damage to the bulb.
- Never touch the glass surface of the bulb with bare hands because the surface is very hot just after the lamp is turned OFF to prevent a burns.
- Leaving the bulb removed from housing for a long period of time can deteriorate performance of the lens and reflector (causing dirty or clouding). Always prepare a new bulb and have it on hand when replacing the bulb.

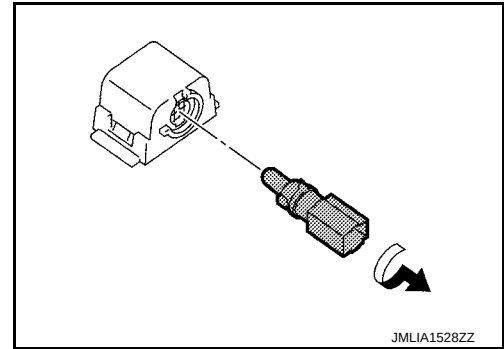
#### FOOT LAMP BULB (DRIVER SIDE)

1. Remove instrument lower panel LH. Refer to [IP-14, "Removal and Installation"](#).

## FOOT LAMP

### < REMOVAL AND INSTALLATION >

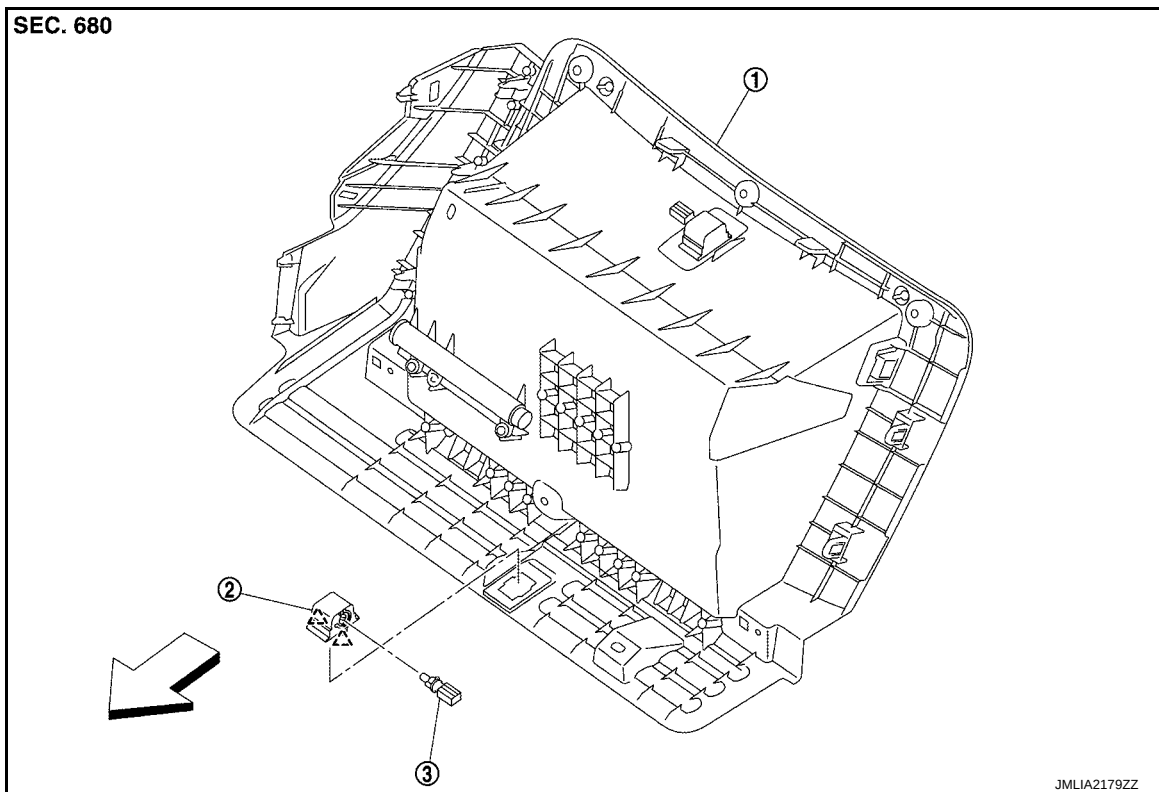
2. Rotate the bulb & socket assembly counterclockwise and unlock it and then remove bulb & socket assembly.



### PASSENGER SIDE

### PASSENGER SIDE : Exploded View

INFOID:0000000012405257



1. Instrument lower panel RH

2. Lamp housing

3. Bulb & socket assembly

△ : Pawl

⇐ : Vehicle front

### PASSENGER SIDE : Replacement

INFOID:0000000012405258

#### CAUTION:

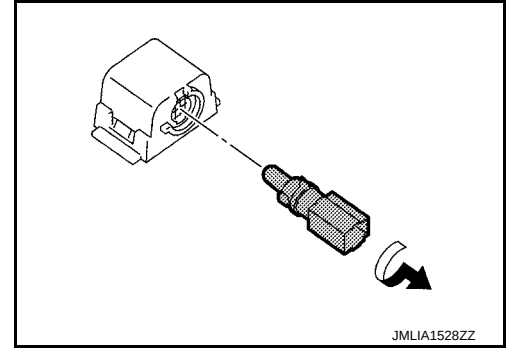
- Disconnect the battery negative terminal or remove power circuit fuse while performing the operation to prevent electric leakage.
- Never touch the glass surface of the bulb with bare hands or allow oil or grease to get on it to prevent damage to the bulb.
- Never touch the glass surface of the bulb with bare hands because the surface is very hot just after the lamp is turned OFF to prevent a burns.
- Leaving the bulb removed from housing for a long period of time can deteriorate performance of the lens and reflector (causing dirty or clouding). Always prepare a new bulb and have it on hand when replacing the bulb.

### FOOT LAMP BULB (PASSENGER SIDE)

## FOOT LAMP

### < REMOVAL AND INSTALLATION >

1. Remove instrument lower panel RH. Refer to [IP-14, "Removal and Installation"](#).
2. Rotate the bulb & socket assembly counterclockwise and unlock it and then remove bulb & socket assembly.



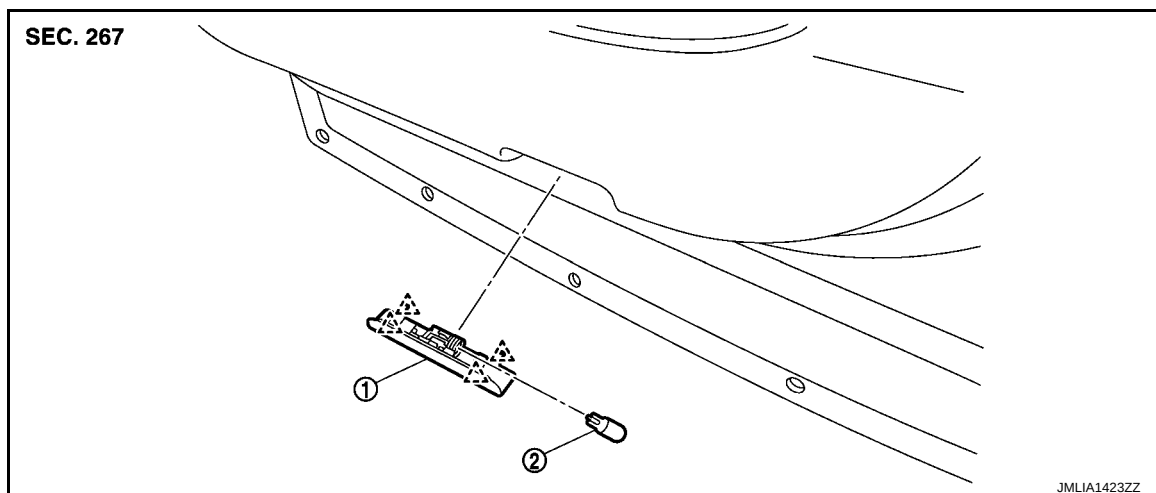
## STEP LAMP

< REMOVAL AND INSTALLATION >

### STEP LAMP

#### Exploded View

INFOID:0000000012405259



1. Step lamp assembly

2. Bulb

△ : Pawl

#### Removal and Installation

INFOID:0000000012405260

##### CAUTION:

Disconnect the battery negative terminal or remove power circuit fuse while performing the operation to prevent electric leakage.

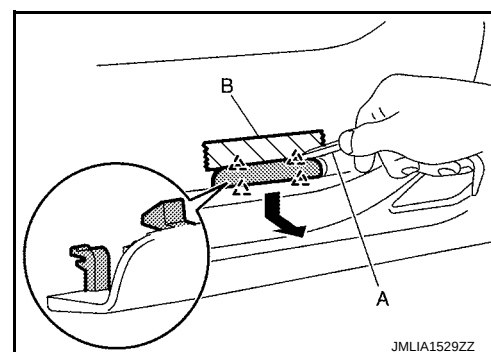
##### REMOVAL

1. Disengage step lamp assembly fixing pawls with a remover tool (A).

△ : Pawl

##### CAUTION:

Apply protective tape (B) on the part to protect it from damage.



2. Disconnect harness connector, and then remove step lamp assembly.

##### INSTALLATION

Install in the reverse order of removal.

#### Replacement

INFOID:0000000012405261

##### CAUTION:

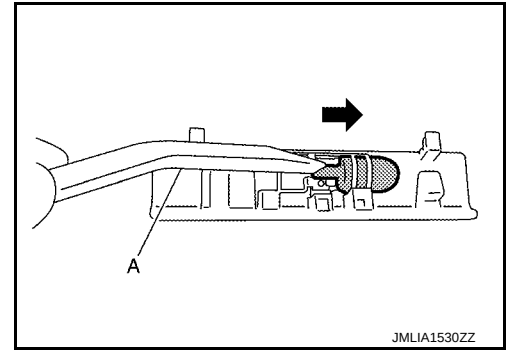
- Disconnect the battery negative terminal or remove power circuit fuse while performing the operation to prevent electric leakage.
- Never touch the glass surface of the bulb with bare hands or allow oil or grease to get on it to prevent damage to the bulb.
- Never touch the glass surface of the bulb with bare hands because the surface is very hot just after the lamp is turned OFF to prevent a burns.
- Leaving the bulb removed from housing for a long period of time can deteriorate performance of the lens and reflector (causing dirty or clouding). Always prepare a new bulb and have it on hand when replacing the bulb.

## STEP LAMP

### < REMOVAL AND INSTALLATION >

#### STEP LAMP BULB

Push bulb with a remover tool (A), and then remove bulb.



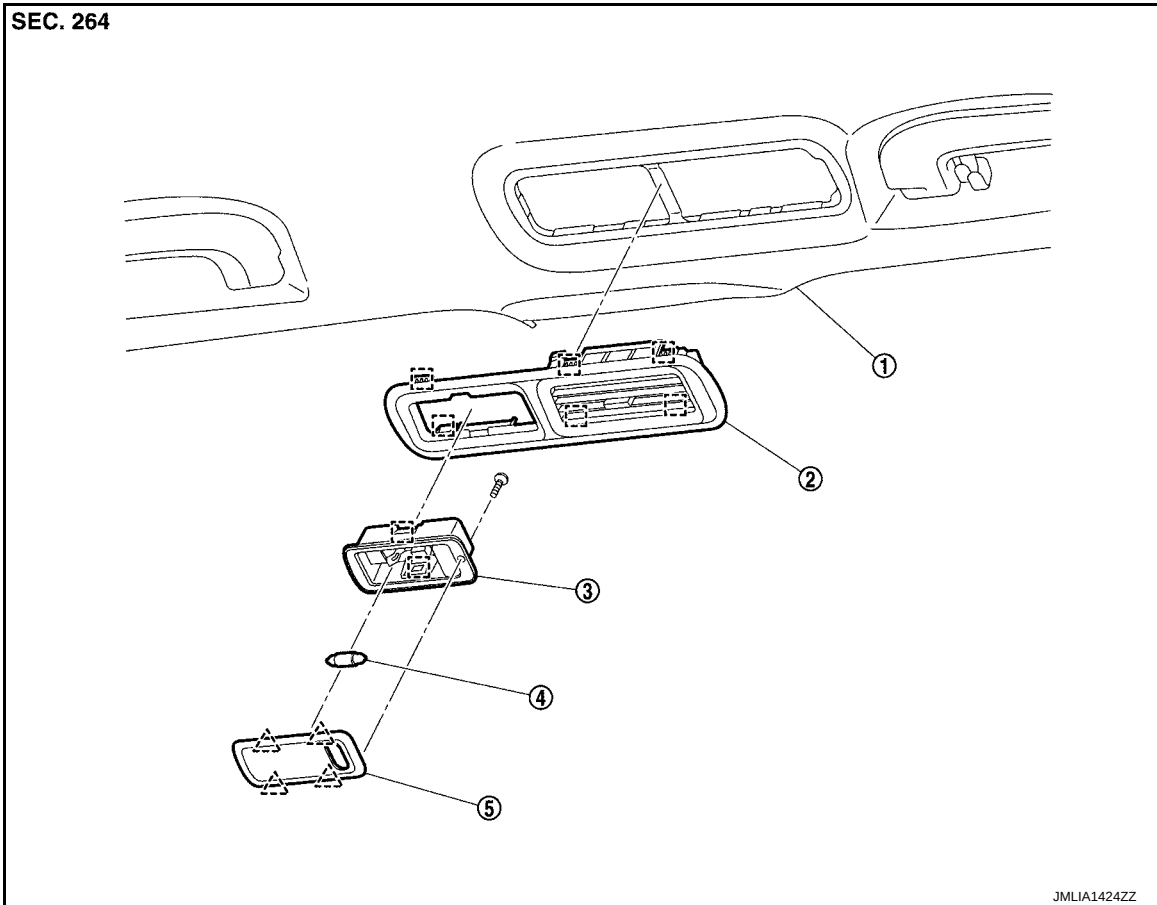
# PERSONAL LAMP

< REMOVAL AND INSTALLATION >

## PERSONAL LAMP

### Exploded View

INFOID:000000012405262



- |               |                       |                       |
|---------------|-----------------------|-----------------------|
| 1. Headlining | 2. Rear cooler grille | 3. Personal lamp case |
| 4. Bulb       | 5. Lens               |                       |

- △ : Pawl  
 □ : Metal clip

### Removal and Installation

INFOID:000000012405263

#### CAUTION:

Disconnect the battery negative terminal or remove power circuit fuse while performing the operation to prevent electric leakage.

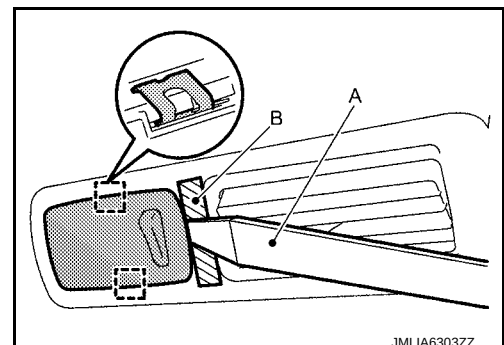
#### REMOVAL

1. Disengage personal lamp case fixing metal clips using a remover tool (A).

#### CAUTION:

Apply protective tape (B) on the part to protect it from damage.

- : Metal clip



## PERSONAL LAMP

### < REMOVAL AND INSTALLATION >

2. Disconnect harness connector, and then remove personal lamp case.

### INSTALLATION

Install in the reverse order of removal.

### Replacement

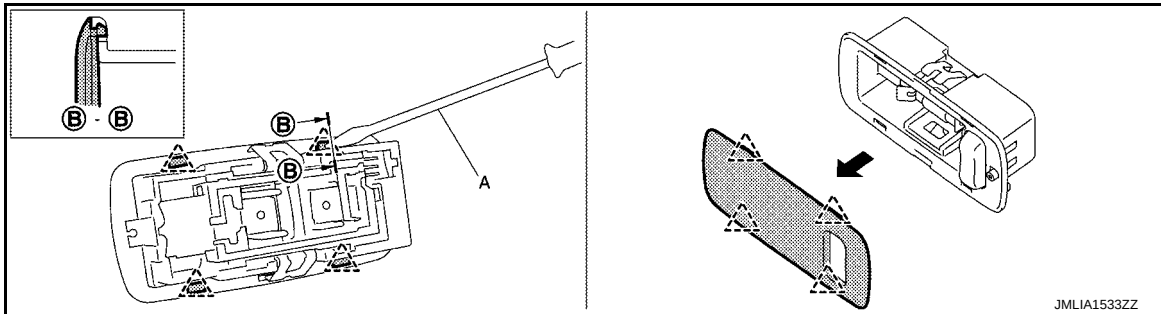
INFOID:0000000012405264

#### CAUTION:

- Disconnect the battery negative terminal or remove power circuit fuse while performing the operation to prevent electric leakage.
- Never touch the glass surface of the bulb with bare hands or allow oil or grease to get on it to prevent damage to the bulb.
- Never touch the glass surface of the bulb with bare hands because the surface is very hot just after the lamp is turned OFF to prevent a burns.
- Leaving the bulb removed from housing for a long period of time can deteriorate performance of the lens and reflector (causing dirty or clouding). Always prepare a new bulb and have it on hand when replacing the bulb.

### PERSONAL LAMP BULB

1. Remove personal lamp case. Refer to [INL-81, "Removal and Installation"](#).
2. Remove lens fixing screw.
3. Disengage lens fixing pawls with a remover tool (A), and then remove lens.



△ : Pawl

4. Remove bulb.

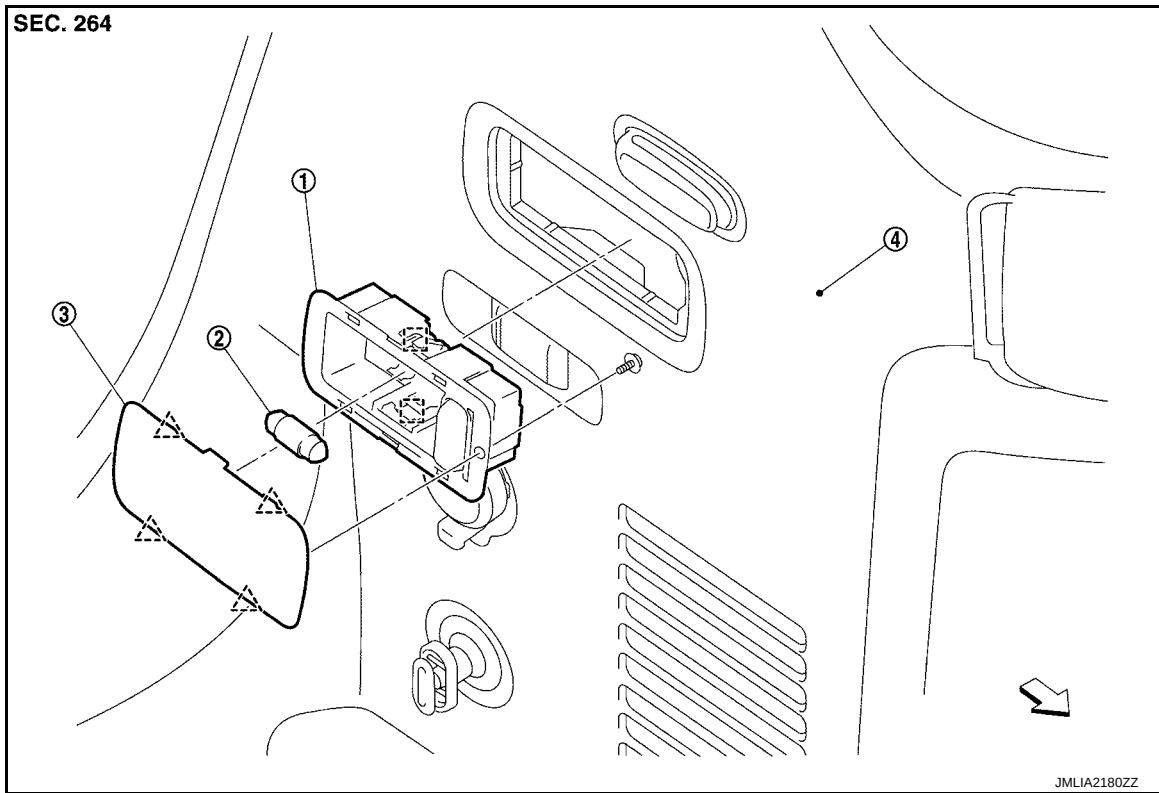
# LUGGAGE ROOM LAMP

< REMOVAL AND INSTALLATION >

## LUGGAGE ROOM LAMP

### Exploded View

INFOID:000000012405265



1. Luggage room lamp case
2. Bulb
3. Lens
4. Luggage side lower finisher LH

△ : Pawl

□ : Metal clip

⇨ : Vehicle front

### Removal and Installation

INFOID:000000012405266

#### CAUTION:

**Disconnect the battery negative terminal or remove power circuit fuse while performing the operation to prevent electric leakage.**

#### REMOVAL

Disengage luggage room lamp case fixing metal clips with a remover tool, and then remove luggage room lamp case.

#### INSTALLATION

Install in the reverse order of removal.

### Replacement

INFOID:000000012405267

#### CAUTION:

- **Disconnect the battery negative terminal or remove power circuit fuse while performing the operation to prevent electric leakage.**
- **Never touch the glass surface of the bulb with bare hands or allow oil or grease to get on it to prevent damage to the bulb.**
- **Never touch the glass surface of the bulb with bare hands because the surface is very hot just after the lamp is turned OFF to prevent a burns.**

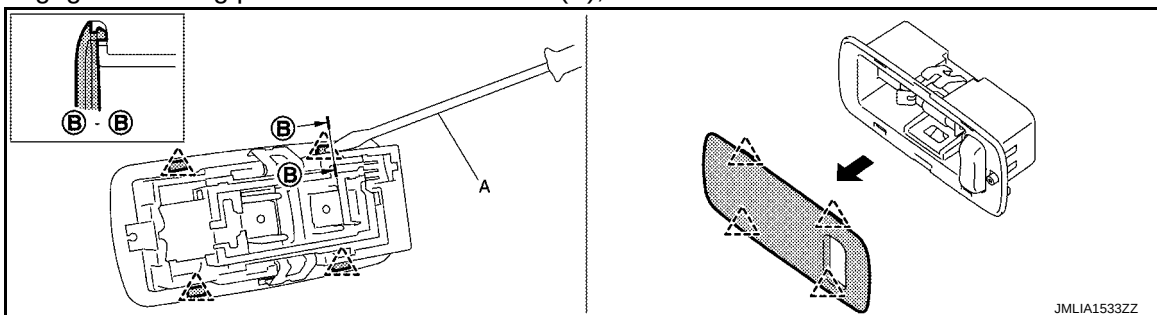
## LUGGAGE ROOM LAMP

### < REMOVAL AND INSTALLATION >

- Leaving the bulb removed from housing for a long period of time can deteriorate performance of the lens and reflector (causing dirty or clouding). Always prepare a new bulb and have it on hand when replacing the bulb.

### LUGGAGE ROOM LAMP BULB

1. Remove luggage room lamp case. Refer to [INL-83, "Removal and Installation"](#).
2. Remove lens fixing screw.
3. Disengage lens fixing pawls with a remover tool (A), and then remove lens.



△ : Pawl

4. Remove bulb.

## SERVICE DATA AND SPECIFICATIONS (SDS)

< SERVICE DATA AND SPECIFICATIONS (SDS)

## SERVICE DATA AND SPECIFICATIONS (SDS)

### SERVICE DATA AND SPECIFICATIONS (SDS)

#### Bulb Specifications

INFOID:0000000012405268

| Item                                     | Type  | Wattage (W) |
|------------------------------------------|-------|-------------|
| Map lamp                                 | Wedge | 8           |
| Total coordination of illumination       | LED   | —           |
| Vanity mirror lamp                       | —     | 1.2         |
| Push-button ignition switch illumination | LED   | —           |
| Glove box lamp                           | —     | 1.4         |
| Foot lamp (driver side)                  | —     | 1.4         |
| Foot lamp (passenger side)               | —     | 1.4         |
| Step lamp                                | Wedge | 3.8         |
| Personal lamp                            | —     | 8           |
| Luggage room lamp                        | —     | 8           |

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