

# SECTION **INL**

## INTERIOR LIGHTING SYSTEM

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# PRECAUTIONS

< PRECAUTION >

## 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, all maintenance must be performed by an authorized NISSAN/INFINITI dealer.
- Improper maintenance, including incorrect removal and installation of the SRS, can lead to personal injury caused by unintentional activation of the system. For removal of Spiral Cable and Air Bag Module, see "SRS AIR BAG".
- Never use electrical test equipment on any circuit related to the SRS unless instructed to in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harnesses or harness connectors.

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

#### **WARNING:**

Always observe the following items for preventing accidental activation.

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

#### Precautions for Removing of Battery Terminal

INFOID:0000000010295995

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

#### **NOTE:**

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

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

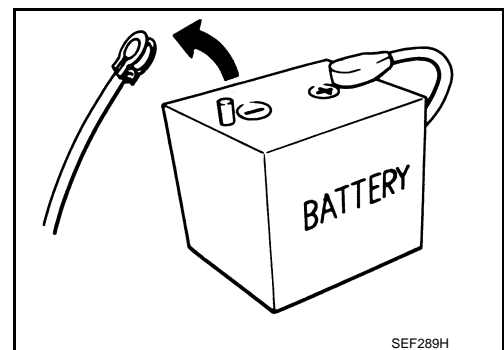
#### **NOTE:**

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

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

#### **NOTE:**

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



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# COMPONENT PARTS

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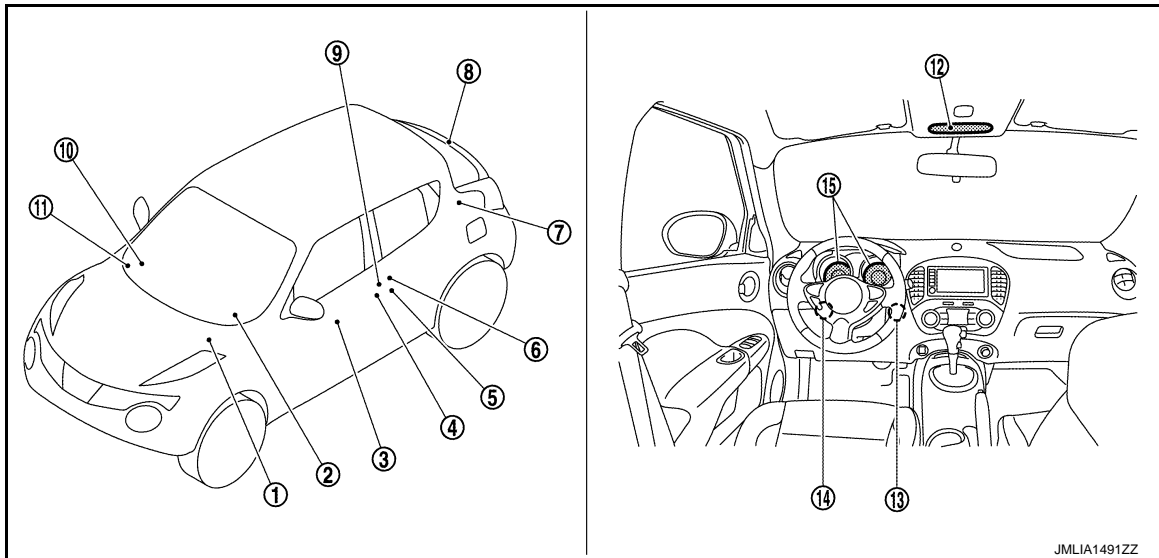
## SYSTEM DESCRIPTION

### COMPONENT PARTS

#### INTERIOR LIGHTING SYSTEM

#### INTERIOR LIGHTING SYSTEM : Component Parts Location

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- |  |  |                                |
|--|--|--------------------------------|
| 1. IPDM E/R<br>Refer to <a href="#">PCS-5, "Component Parts Location"</a>                        | 2. BCM<br>Refer to <a href="#">BCS-6, "BODY CONTROL SYSTEM : Component Parts Location"</a> | 3. Door lock and unlock switch |
| 4. Front door request switch (driver side)   | 5. Front door lock assembly (driver side) (unlock sensor)                                  | 6. Door switch                 |
| 7. Luggage room lamp   | 8. Back door switch  | 9. Door key cylinder switch    |
| 10. Remote keyless entry receiver<br>Refer to <a href="#">DLK-12, "Component Parts Location"</a> | 11. Optical sensor   | 12. Map lamp                   |
| 13. Push-button ignition switch*1  | 14. Key switch*2   | 15. Combination meter          |

\*1:With Intelligent Key

\*2:Without Intelligent Key

#### INTERIOR LIGHTING SYSTEM : Component Description

INFOID:000000009750778

Part	Description
BCM	Controls the interior lighting system.
IPDM E/R	Controls the integrated relay according to the request signal from BCM (via CAN communication).
Remote keyless entry receiver	Receives the lock/unlock signal form Keyfob.
Combination switch (Lighting & turn signal switch)	Refer to <a href="#">BCS-9, "COMBINATION SWITCH READING SYSTEM : System Description"</a> .
<ul style="list-style-type: none"> <li>• Door lock and unlock switch</li> <li>• Door request switch</li> </ul>	Inputs the lock/unlock signal to BCM.
Door switch	Inputs the door switch signal to BCM.
Back door switch	Inputs the back door switch signal to BCM.

# COMPONENT PARTS

< SYSTEM DESCRIPTION >

Part	Description
Unlock sensor	Detects door lock condition of driver side door.
Optical sensor	Refer to <a href="#">EXL-6. "Component Description"</a> .

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# SYSTEM

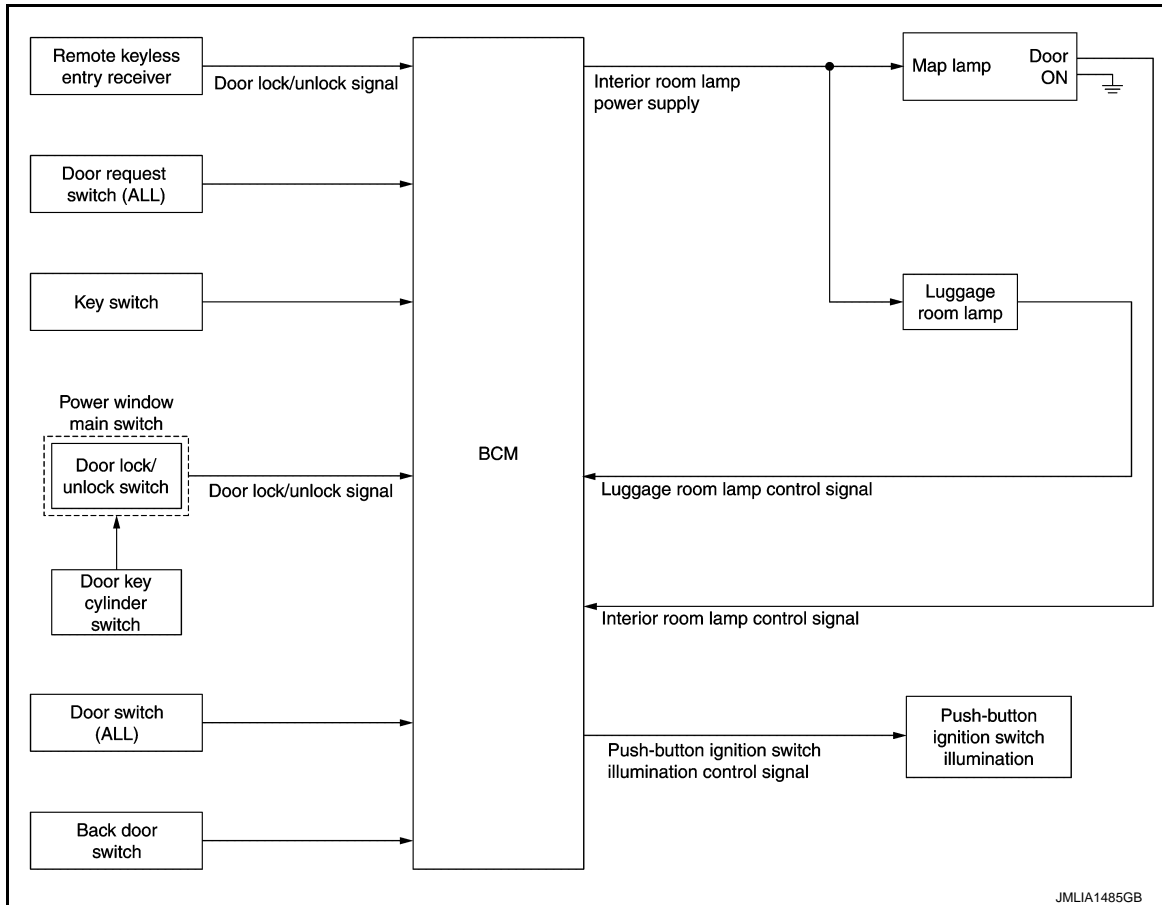
< SYSTEM DESCRIPTION >

## SYSTEM

### INTERIOR ROOM LAMP CONTROL SYSTEM

#### INTERIOR ROOM LAMP CONTROL SYSTEM : System Diagram

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#### INTERIOR ROOM LAMP CONTROL SYSTEM : System Description

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##### OUTLINE

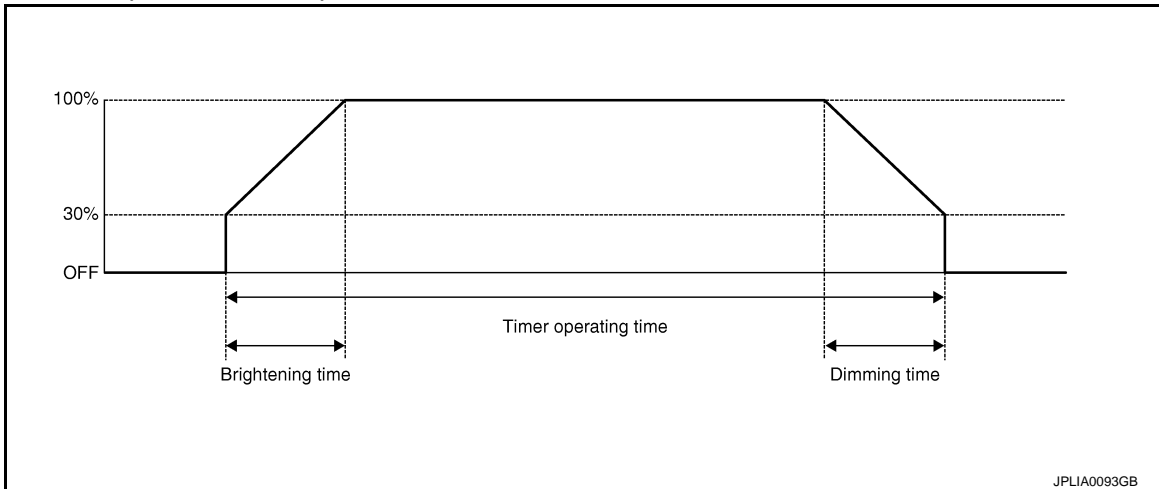
- Interior room lamps\* are controlled by interior room lamp timer control function of BCM.  
\*: Map lamp (when map lamp switch is in DOOR position).
- Luggage room lamp is controlled by luggage room lamp control function of BCM.
- Push-button ignition switch illumination is controlled by the push-button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

##### INTERIOR ROOM LAMP TIMER CONTROL

# SYSTEM

## < SYSTEM DESCRIPTION >

### 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 lamp timer.
    - Ignition switch status<sup>\*1</sup>
    - Door switch signal (except back door)
    - Door lock/unlock signal (Remote keyless entry receiver, each door request switch<sup>\*1</sup>, door lock and unlock switch, key cylinder switch)
    - Key switch signal<sup>\*2</sup>
- <sup>\*1</sup>:With Intelligent Key  
<sup>\*2</sup>:Without Intelligent Key

#### NOTE:

Each function of interior room lamp timer can be set by CONSULT. Refer to [INL-12, "INT LAMP : CONSULT Function \(BCM - INT LAMP\)"](#).

#### Interior Room Lamp ON Operation

- BCM always turns the interior room lamp ON when any door opens except back door.
- BCM activates the interior room lamp timer in any of the following conditions to turn the interior room lamp ON for a period of time.
  - Status of all doors except back door changes from open to close
  - Ignition switch is turned ON → OFF
  - Door unlock signal is detected when all doors close except 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 in any of the following conditions to turn the interior room lamp OFF.

- The timer operating time is expired
- Ignition switch is turned OFF → ACC/ON
- Door lock signal is detected with all doors close except back door.

### LUGGAGE ROOM LAMP CONTROL

BCM turns luggage room lamp ON when the following condition is detected.

- Back door switch is ON

BCM turns luggage room lamp OFF when the following condition is detected.

- Back door switch is OFF

### PUSH-BUTTON IGNITION SWITCH ILLUMINATION CONTROL (WITH INTELLIGENT KEY)

#### 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

# SYSTEM

## < SYSTEM DESCRIPTION >

- Engine start permission is entered
- Driver side door is LOCK → UNLOCK
- Driver side door is open

Push-button Ignition Switch Illumination OFF Operation

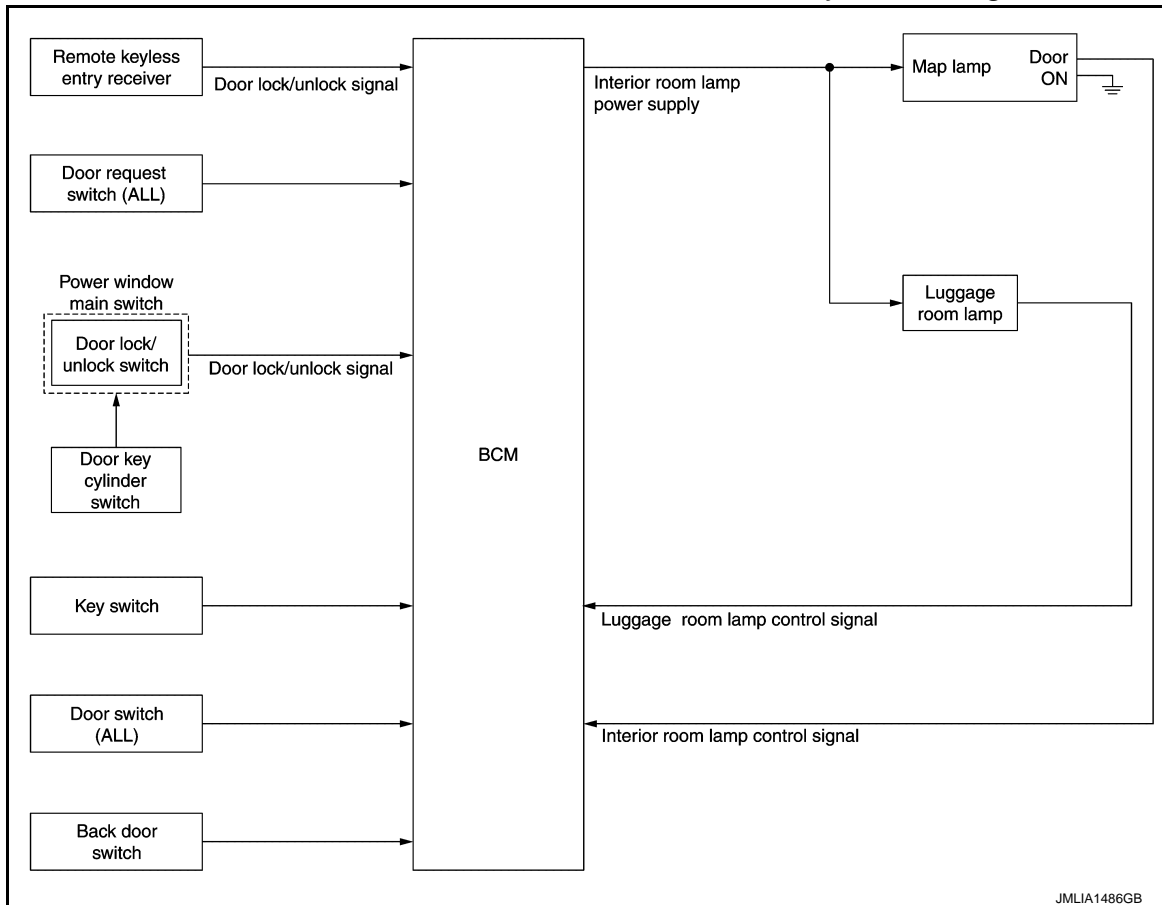
BCM turns the push-button ignition switch illumination OFF in any of the following conditions.

- 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

## INTERIOR ROOM LAMP BATTERY SAVER SYSTEM

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

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

INFOID:000000009750782

#### 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 lamps.

Applicable lamps

- Map lamp
- Luggage room lamp

#### INTERIOR ROOM LAMP BATTERY SAVER FUNCTION

- When the ignition switch is turned to other position than ON, BCM operates the timer for a period of time to cut the interior room lamp power supply.
- BCM restarts the timer when any of the following signals changes while operating the timer.
- Ignition switch status<sup>\*1</sup>



# SYSTEM

## < SYSTEM DESCRIPTION >

- Key switch status\*<sup>2</sup>
- Door switch signal (ALL)
- Door lock/unlock signal (remote keyless entry receiver, each door request switch\*<sup>1</sup>, door lock and unlock switch, key cylinder switch)
- BCM provides the interior room lamp power supply continuously when the ignition switch position is ON.

\*<sup>1</sup>:With Intelligent Key

\*<sup>2</sup>:Without Intelligent Key

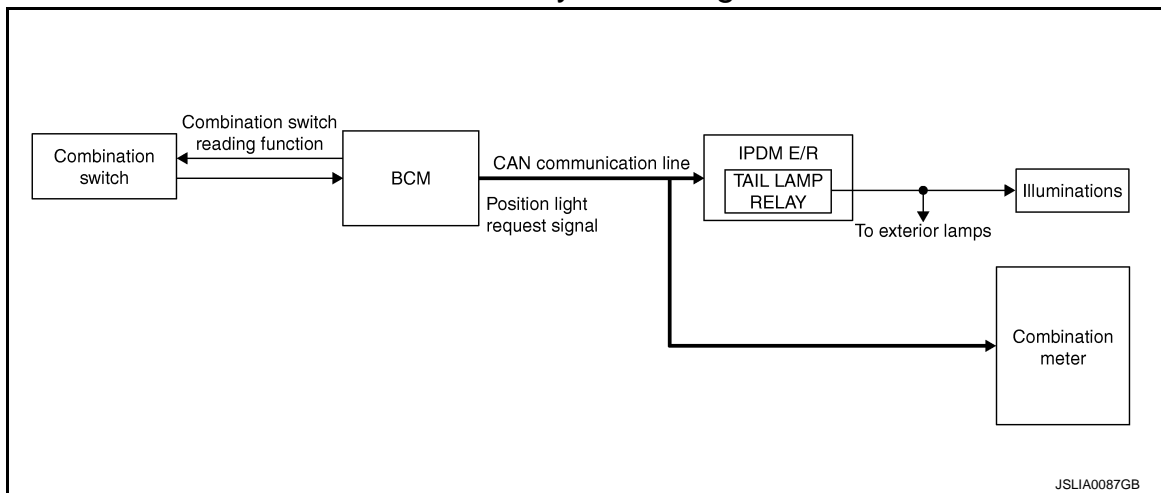
### NOTE:

Each function of interior room lamp battery saver can be set by CONSULT. Refer to [INL-13. "BATTERY SAVER : CONSULT Function \(BCM - BATTERY SAVER\)"](#).

## ILLUMINATION CONTROL SYSTEM

### ILLUMINATION CONTROL SYSTEM : System Diagram

INFOID:000000009750783



### ILLUMINATION CONTROL SYSTEM : System Description

INFOID:000000009750784

#### OUTLINE

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

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-10. "SPEEDOMETER : 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 (With auto light system)
- IPDM E/R turns the integrated tail lamp relay ON according to position light request signal. It provides the power supply to each illumination lamp.
- Combination meter enters in the nighttime mode according to position light request signal. Under the nighttime mode the combination meter controls the illuminance by controlling the each illumination lamp (ground side).

# DIAGNOSIS SYSTEM (BCM) (WITH INTELLIGENT KEY SYSTEM)

< SYSTEM DESCRIPTION >

## DIAGNOSIS SYSTEM (BCM) (WITH INTELLIGENT KEY SYSTEM) COMMON ITEM

COMMON ITEM : CONSULT Function (BCM - COMMON ITEM)

INFOID:0000000010295572

### 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 timer	INT LAMP	×	×	×
Exterior lamp	HEAD LAMP	×	×	×
Wiper and washer	WIPER	×	×	×
Turn signal and hazard warning lamps	FLASHER	×	×	×
Air conditioning 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 - NATS	IMMU	×	×	×
Interior room lamp battery saver	BATTERY SAVER	×	×	×
Back door open	TRUNK		×	
Theft warning alarm	THEFT ALM	×	×	×
RAP	RETAINED PWR		×	
Signal buffer system	SIGNAL BUFFER		×	×
TPMS	AIR PRESSURE MONITOR	×	×	×

#### NOTE:

\*: For models with automatic A/C, 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) (WITH INTELLIGENT KEY SYSTEM)

## < SYSTEM DESCRIPTION >

CONSULT screen item	Indication/Unit	Description		
Vehicle Speed	km/h	Vehicle speed of the moment a particular DTC is detected		A
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 position is "LOCK".)	B
	SLEEP>OFF		While turning BCM status from low power consumption mode to normal mode (Power position is "OFF".)	C
	LOCK>ACC		While turning power position from "LOCK"* to "ACC"	
	ACC>ON		While turning power position from "ACC" to "IGN"	D
	RUN>ACC		While turning power position from "RUN" to "ACC" (Vehicle is stopping and selector lever is except P position.)	
	CRANK>RUN		While turning power position from "CRANKING" to "RUN" (From cranking up the engine to run it)	E
	RUN>URGENT		While turning power position from "RUN" to "ACC" (Emergency stop operation)	
	ACC>OFF		While turning power position from "ACC" to "OFF"	F
	OFF>LOCK		While turning power position from "OFF" to "LOCK"*	
	OFF>ACC		While turning power position from "OFF" to "ACC"	G
	ON>CRANK		While turning power position from "IGN" to "CRANKING"	
	OFF>SLEEP		While turning BCM status from normal mode (Power position is "OFF".) to low power consumption mode	H
	LOCK>SLEEP		While turning BCM status from normal mode (Power position is "LOCK".) to low power consumption mode	
	LOCK		Power position is "LOCK"*	I
	OFF		Power position is "OFF" (Ignition switch OFF)	
	ACC		Power position is "ACC" (Ignition switch ACC)	J
	ON		Power position is "IGN" (Ignition switch ON with engine stopped)	
	ENGINE RUN		Power position is "RUN" (Ignition switch ON with engine running)	K
CRANKING	Power position is "CRANKING" (At engine cranking)			
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>		INL

### NOTE:

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

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

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

## INT LAMP

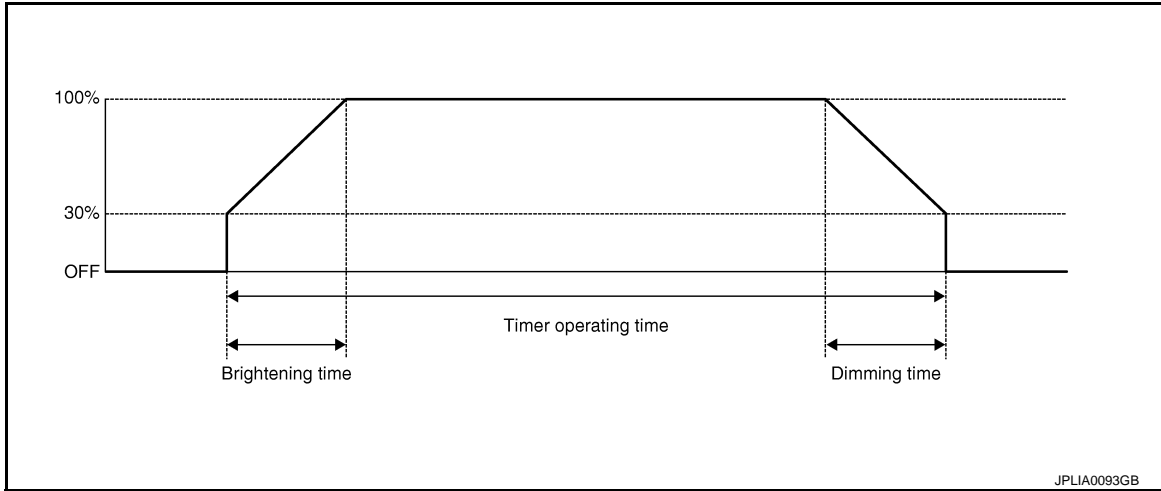
# DIAGNOSIS SYSTEM (BCM) (WITH INTELLIGENT KEY SYSTEM)

< SYSTEM DESCRIPTION >

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

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### WORK SUPPORT



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Service item	Setting item	Setting
ROOM LAMP TIMER SET	MODE 2	7.5 sec.
	MODE 3*	15 sec.
	MODE 4	30 sec.
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.
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.
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 [Unit]	Description
REQ SW-DR [On/Off]	Indicated [On/Off] condition of door request switch (driver side)
REQ SW-AS [On/Off]	Indicated [On/Off] condition of door request switch (passenger side)
REQ SW-RR [On/Off]	<b>NOTE:</b> This item is displayed, but cannot be monitored

# DIAGNOSIS SYSTEM (BCM) (WITH INTELLIGENT KEY SYSTEM)

## < SYSTEM DESCRIPTION >

Monitor item [Unit]	Description
REQ SW-RL [On/Off]	<b>NOTE:</b> This item is displayed, but cannot be monitored
PUSH SW [On/Off]	Indicates [On/Off] condition of push-button ignition switch
UNLK SEN -DR [On/Off]	Indicates [On/Off] condition of driver door UNLOCK status
DOOR SW-DR [On/Off]	Indicated [On/Off] condition of front door switch (driver side)
DOOR SW-AS [On/Off]	Indicated [On/Off] condition of front door switch (passenger side)
DOOR SW-RR [On/Off]	Indicated [On/Off] condition of rear door switch RH
DOOR SW- RL [On/Off]	Indicated [On/Off] condition of rear door switch LH
DOOR SW- BK [On/Off]	Indicated [On/Off] condition of back door switch
CDL LOCK SW [On/Off]	Indicated [On/Off] condition of lock signal from door lock unlock switch
CDL UNLOCK SW [On/Off]	Indicated [On/Off] condition of unlock signal from door lock unlock switch
TRNK/HAT MNTR [On/Off]	<b>NOTE:</b> This item is displayed, but cannot be monitored
KEY CYL LK-SW [On/Off]	Indicated [On/Off] condition of lock signal from door key cylinder
KEY CYL UN-SW [On/Off]	Indicated [On/Off] condition of unlock signal from door key cylinder
RKE-LOCK [On/Off]	Indicates [On/Off] condition of LOCK signal from Intelligent Key
RKE-UNLOCK [On/Off]	Indicates [On/Off] condition of UNLOCK signal from Intelligent Key

## ACTIVE TEST

Test item	Operation	Description
INT LAMP	On	Outputs the interior room lamp control signal.
	Off	Stops the interior room lamp control signal.
STEP LAMP TEST	On	<b>NOTE:</b>
	Off	This item is indicated, but can not tested

## BATTERY SAVER

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

INFOID:000000009750787

## WORK SUPPORT

Service item	Setting item	Setting
ROOM LAMP TIMER SET	MODE 1	30 min.
	MODE 2	60 min.
	MODE 3	15 min.
		Sets the interior room lamp battery saver timer operating time. <b>NOTE:</b> The factor setting is 10 minutes. The setting cannot be returned to the factory setting, when the setting is changed once.

# DIAGNOSIS SYSTEM (BCM) (WITH INTELLIGENT KEY SYSTEM)

## < SYSTEM DESCRIPTION >

Service item	Setting item	Setting
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 [Unit]	Description
REQ SW-DR [On/Off]	Indicated [On/Off] condition of door request switch (driver side)
REQ SW-AS [On/Off]	Indicated [On/Off] condition of door request switch (passenger side)
REQ SW-RR [On/Off]	<b>NOTE:</b> This item is displayed, but cannot be monitored
REQ SW-RL [On/Off]	<b>NOTE:</b> This item is displayed, but cannot be monitored
PUSH SW [On/Off]	Indicates [On/Off] condition of push-button ignition switch
UNLK SEN -DR [On/Off]	Indicates [On/Off] condition of driver door UNLOCK status
DOOR SW-DR [On/Off]	Indicated [On/Off] condition of front door switch (driver side)
DOOR SW-AS [On/Off]	Indicated [On/Off] condition of front door switch (passenger side)
DOOR SW-RR [On/Off]	Indicated [On/Off] condition of rear door switch RH
DOOR SW- RL [On/Off]	Indicated [On/Off] condition of rear door switch LH
DOOR SW- BK [On/Off]	Indicated [On/Off] condition of back door switch
CDL LOCK SW [On/Off]	Indicated [On/Off] condition of lock signal from door lock unlock switch
CDL UNLOCK SW [On/Off]	Indicated [On/Off] condition of unlock signal from door lock unlock switch
TRNK/HAT MNTR [On/Off]	<b>NOTE:</b> This item is displayed, but cannot be monitored
KEY CYL LK-SW [On/Off]	Indicated [On/Off] condition of lock signal from door key cylinder
KEY CYL UN-SW [On/Off]	Indicated [On/Off] condition of unlock signal from door key cylinder
RKE-LOCK [On/Off]	Indicates [On/Off] condition of LOCK signal from Intelligent Key
RKE-UNLOCK [On/Off]	Indicates [On/Off] condition of UNLOCK signal from Intelligent Key

## ACTIVE TEST

Test item	Operation	Description
BATTERY SAVER	Off	Cuts the interior room lamp power supply.
	On	Outputs the interior room lamp power supply.

# DIAGNOSIS SYSTEM (BCM) (WITHOUT INTELLIGENT KEY SYSTEM)

< SYSTEM DESCRIPTION >

## DIAGNOSIS SYSTEM (BCM) (WITHOUT INTELLIGENT KEY SYSTEM) COMMON ITEM

COMMON ITEM : CONSULT Function (BCM - COMMON ITEM)

INFOID:000000010295573

### 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	INT LAMP	×	×	×
Remote keyless entry system	MULTI REMOTE ENT	×	×	×
Exterior lamp	HEAD LAMP	×	×	×
Wiper and washer	WIPER	×	×	×
Turn signal and hazard warning lamps	FLASHER		×	×
Air conditioning system	AIR CONDITONER		×	×
Combination switch	COMB SW		×	
Body control system	BCM	×		
NATS	IMMU	×		×
Interior room lamp battery saver	BATTERY SAVER	×	×	×
Back door open	TRUNK		×	
Theft warning alarm	THEFT ALM	×	×	×
RAP system	RETAINED PWR		×	×
Signal buffer system	SIGNAL BUFFER		×	×
Panic alarm	PANIC ALARM			×
TPMS	AIR PRESSUE MONITOR	×	×	×

### INT LAMP

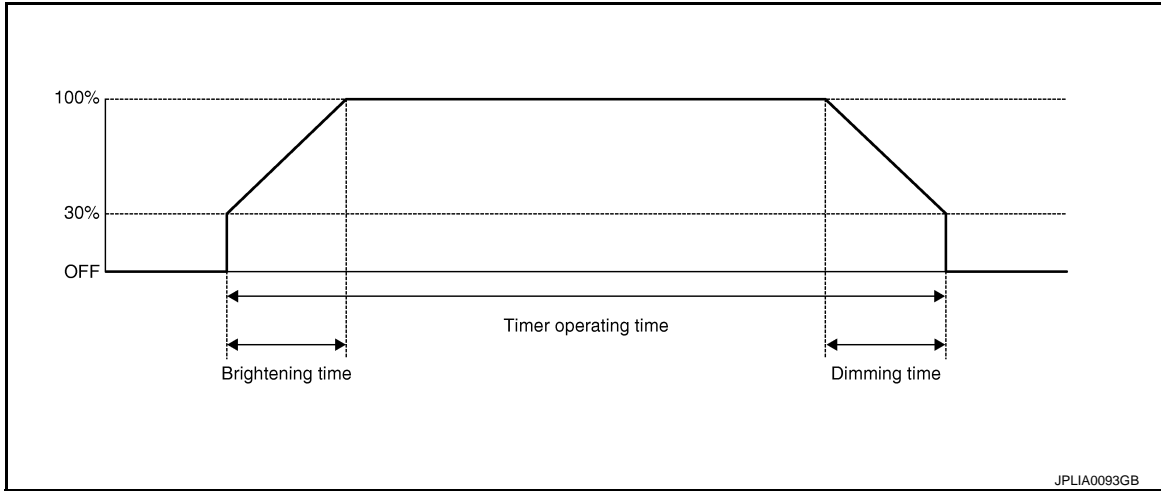
# DIAGNOSIS SYSTEM (BCM) (WITHOUT INTELLIGENT KEY SYSTEM)

< SYSTEM DESCRIPTION >

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

INFOID:000000009750789

### WORK SUPPORT



Service item	Setting item	Setting
ROOM LAMP TIMER SET	MODE 1	0 sec.
	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	4 sec.
	MODE 6	5 sec.
	MODE 7	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	4 sec.
	MODE 6	5 sec.
	MODE 7	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.



# DIAGNOSIS SYSTEM (BCM) (WITHOUT INTELLIGENT KEY SYSTEM)

## < SYSTEM DESCRIPTION >

Monitor item [Unit]	Description
IGN ON SW [On/Off]	Indicated [On/Off] condition of ignition switch in ON position
KEY ON SW [On/Off]	Indicated [On/Off] condition of key switch
DOOR SW-DR [On/Off]	Indicated [On/Off] condition of front door switch (driver side)
DOOR SW-AS [On/Off]	Indicated [On/Off] condition of front door switch (passenger side)
DOOR SW-RR [On/Off]	Indicated [On/Off] condition of rear door switch RH
DOOR SW- RL [On/Off]	Indicated [On/Off] condition of rear door switch LH
BACK DOOR SW [On/Off]	Indicated [On/Off] condition of back door switch
LOCK STATUS [On/Off]	The switch status input from door lock status switch (driver side)
CDL LOCK SW [On/Off]	Indicates [On/Off] condition of door lock and unlock switch
CDL UNLOCK SW [On/Off]	Indicates [On/Off] condition of door lock and unlock switch
KEYLESS LOCK [On/Off]	Indicates [On/Off] condition of lock signal from keyfob
KEYLESS UNLOCK [On/Off]	Indicates [On/Off] condition of unlock signal from keyfob
TRNK/HAT MNTR [On/Off]	<b>NOTE:</b> This item is displayed, but cannot be tested
KEY CYL LK-SW [On/Off]	Indicated [On/Off] condition of lock signal from door key cylinder
KEY CYL UN-SW [On/Off]	Indicated [On/Off] condition of unlock signal from door key cylinder
ACC ON SW [On/Off]	Indicates [On/Off] condition of ignition switch in ACC position

## ACTIVE TEST

Test item	Operation	Description
INT LAMP	On	Outputs the interior room lamp control signal.
	Off	Stops the interior room lamp control signal.

## BATTERY SAVER

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

INFOID:000000009750790

## WORK SUPPORT

Service item	Setting item	Setting
ROOM LAMP TIMER SET	MODE 1	30 min.
	MODE 2	60 min.
	MODE 3	15 min.
		Sets the interior room lamp battery saver timer operating time. <b>NOTE:</b> The factor setting is 10 minutes. The setting cannot be returned to the factory setting, when the setting is changed once.

\*:Factory setting

# DIAGNOSIS SYSTEM (BCM) (WITHOUT INTELLIGENT KEY SYSTEM)

## < SYSTEM DESCRIPTION >

### 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 [Unit]	Description
IGN ON SW [On/Off]	Indicated [On/Off] condition of ignition switch in ON position
KEY ON SW [On/Off]	Indicated [On/Off] condition of key switch
DOOR SW-DR [On/Off]	Indicated [On/Off] condition of front door switch (driver side)
DOOR SW-AS [On/Off]	Indicated [On/Off] condition of front door switch (passenger side)
DOOR SW-RR [On/Off]	Indicated [On/Off] condition of rear door switch RH
DOOR SW- RL [On/Off]	Indicated [On/Off] condition of rear door switch LH
BACK DOOR SW [On/Off]	Indicated [On/Off] condition of back door switch
LOCK STATUS [On/Off]	The switch status input from door lock status switch (driver side)
CDL LOCK SW [On/Off]	Indicates [On/Off] condition of door lock and unlock switch
CDL UNLOCK SW [On/Off]	Indicates [On/Off] condition of door lock and unlock switch
KEYLESS LOCK [On/Off]	Indicates [On/Off] condition of lock signal from keyfob
KEYLESS UNLOCK [On/Off]	Indicates [On/Off] condition of unlock signal from keyfob
TRNK/HAT MNTR [On/Off]	<b>NOTE:</b> This item is displayed, but cannot be tested
KEY CYL LK-SW [On/Off]	Indicated [On/Off] condition of lock signal from door key cylinder
KEY CYL UN-SW [On/Off]	Indicated [On/Off] condition of unlock signal from door key cylinder
ACC ON SW [On/Off]	Indicates [On/Off] condition of ignition switch in ACC position

### ACTIVE TEST

Test item	Operation	Description
BATTERY SAVER	Off	Cuts the interior room lamp power supply.
	On	Outputs the interior room lamp power supply.

# BCM

< ECU DIAGNOSIS INFORMATION >

## ECU DIAGNOSIS INFORMATION

BCM

WITH INTELLIGENT KEY

WITH INTELLIGENT KEY : List of ECU Reference

INFOID:000000009750791

ECU	Reference
BCM	<a href="#">BCS-36. "Reference Value"</a>
	<a href="#">BCS-57. "Fail-safe"</a>
	<a href="#">BCS-58. "DTC Inspection Priority Chart"</a>
	<a href="#">BCS-59. "DTC Index"</a>

WITHOUT INTELLIGENT KEY

WITHOUT INTELLIGENT KEY : List of ECU Reference

INFOID:000000009750792

ECU	Reference
BCM	<a href="#">BCS-118. "Reference Value"</a>
	<a href="#">BCS-131. "Fail-safe"</a>
	<a href="#">BCS-132. "DTC Inspection Priority Chart"</a>
	<a href="#">BCS-132. "DTC Index"</a>

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# INTERIOR ROOM LAMP CONTROL SYSTEM

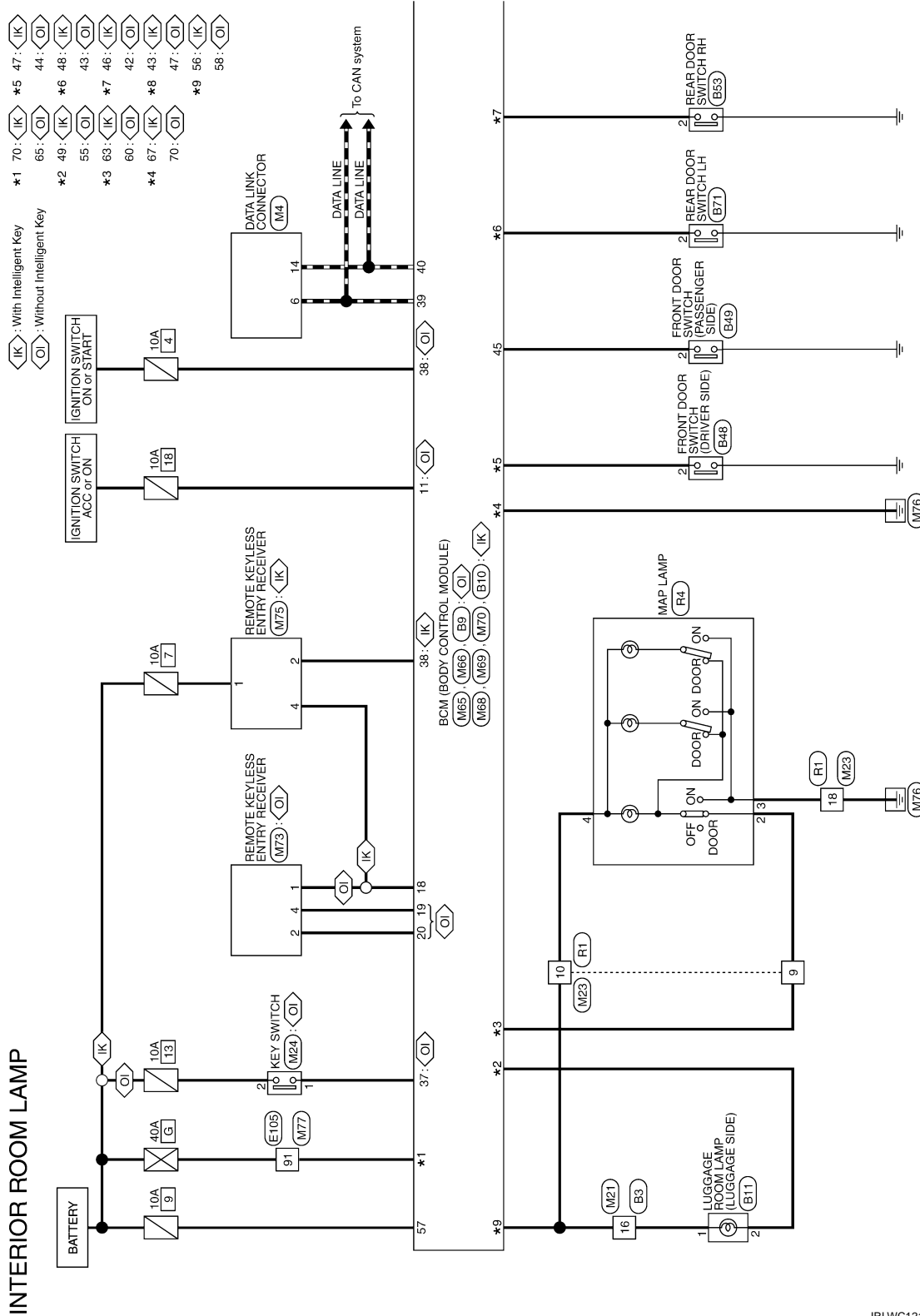
< WIRING DIAGRAM >

## WIRING DIAGRAM

### INTERIOR ROOM LAMP CONTROL SYSTEM

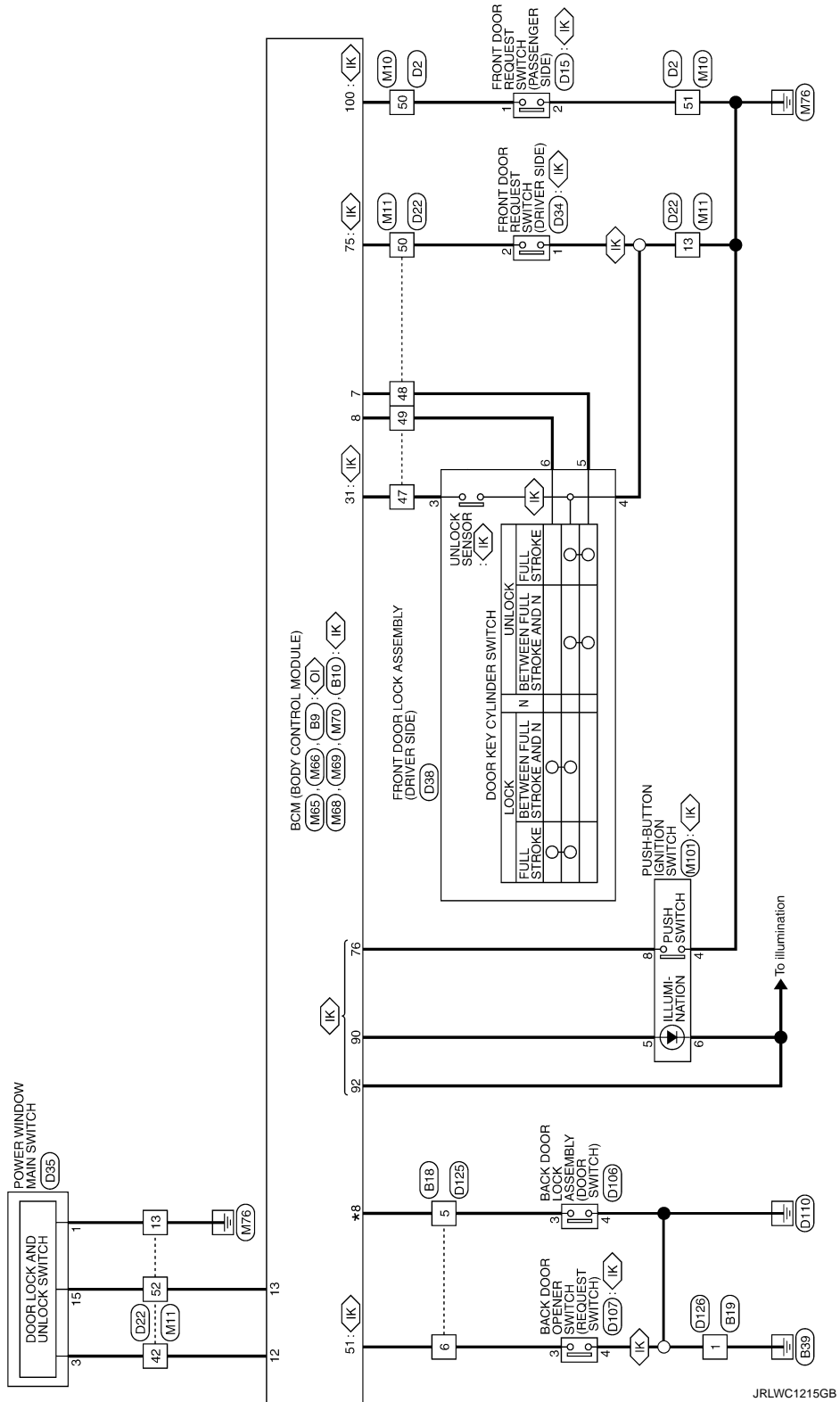
#### Wiring Diagram

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# INTERIOR ROOM LAMP CONTROL SYSTEM

< WIRING DIAGRAM >



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# INTERIOR ROOM LAMP CONTROL SYSTEM

< WIRING DIAGRAM >

## INTERIOR ROOM LAMP

Connector No.	B3
Connector Name	WIRE TO WIRE
Connector Type	TH2BM-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
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Terminal No.	Color Of Wire	Signal Name [Specification]
1	SHIELD	
2	G	
3	B	
4	R	
5	B	
6	Y	
7	W	
8	P	
9	V	
10	SHIELD	
11	R	
12	G	
13	W	
14	B	
15	L	
16	BR	
17	LC	
18	W	
19	G	
20	Y	
21	SHIELD	
22	B	
23	W	
24	R	
25	G	
26	Y	
27	SHIELD	
28	W	
29	R	
30	B	
31	B	
32	R	

Connector No.	B9
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	FEARBED-FH46-SA



41	42	43	44	45	47	48	49
50		53	55				

Terminal No.	Color Of Wire	Signal Name [Specification]
41	G	REAR WIPER STOP POSITION
42	LG	REAR LH DOOR SW
43	BR	REAR RH DOOR SW
44	SB	DRIVER DOOR SW
45	R	PASSENGER DOOR SW
47	P	BACK DOOR SW
48	W	TURN SIG RH OUTPUT
49	V	TURN SIG LH OUTPUT
50	GR	BK DOOR OPEN OUTPUT
53	P	REAR WIPER OUTPUT
55	L	LUGGAGE LAMP OUTPUT

Connector No.	B10
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	FEARBED-FH46-SA



43	44	45	47	48	49
51	53	54	55		

Terminal No.	Color Of Wire	Signal Name [Specification]
43	P	BACK DOOR SW
44	G	REAR LH DOOR SW
45	R	PASSENGER DOOR SW
47	LG	REAR RH DOOR SW
48	SB	DRIVER DOOR SW
49	BR	REAR LH DOOR SW
51	L	LUGGAGE LAMP OUTPUT
53	Y	BACK DOOR REQ SW

Connector No.	B19
Connector Name	WIRE TO WIRE
Connector Type	M02MB-P-LC



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

Connector No.	B48
Connector Name	FRONT DOOR SWITCH (DRIVER SIDE)
Connector Type	A03FW



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

53	GS
54	P
55	G



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

Connector No.	B18
Connector Name	WIRE TO WIRE
Connector Type	HS12MW-CS



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

Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	
2	LG	
3	P	
4	GR	
5	P	
6	L	
7	L	
8	GR	
9	SHIELD	
10	W	
11	R	
12	B	

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# INTERIOR ROOM LAMP CONTROL SYSTEM

< WIRING DIAGRAM >

## INTERIOR ROOM LAMP

Connector No.	B49
Connector Name	FRONT DOOR SWITCH (PASSENGER SIDE)
Connector Type	A03FW



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

Connector No.	B53
Connector Name	REAR DOOR SWITCH RH
Connector Type	A03FW



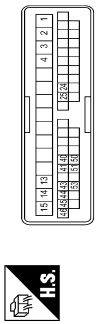
Terminal No.	Color Of Wire	Signal Name [Specification]
2	LG	-

Connector No.	B71
Connector Name	REAR DOOR SWITCH LH
Connector Type	A03FW



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

Connector No.	D2
Connector Name	WIRE TO WIRE
Connector Type	TH40FW-CS15



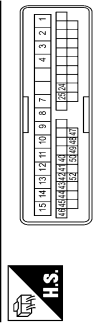
Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	G	-
3	Y	-
4	V	-
13	W	-
14	SB	-
15	L	-
24	R	-
25	G	-
40	LG	-
43	GR	-
44	V	-
45	W	-
46	BG	-
50	P	-
51	B	-
53	B	-

Connector No.	D15
Connector Name	FRONT DOOR REQUEST SWITCH (PASSENGER SIDE)
Connector Type	RK02FGY



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

Connector No.	D22
Connector Name	WIRE TO WIRE
Connector Type	TH40FW-CS15



Terminal No.	Color Of Wire	Signal Name [Specification]
1	P	-
2	W	-
3	SB	-
4	V	-
7	G	-
8	BG	-
9	LG	-
10	BR	-
11	W	-
12	SB	-
13	B	-
15	P	-
24	G	-
25	R	-
40	V	-
41	P	-
42	L	-

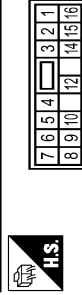
43	GR	-
44	V	-
45	Y	-
46	BG	-
47	G	-
48	L	-
49	R	-
50	LG	-
52	BR	-

Connector No.	D34
Connector Name	FRONT DOOR REQUEST SWITCH (DRIVER SIDE)
Connector Type	RK02FGY



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

Connector No.	D35
Connector Name	POWER WINDOW MAIN SWITCH
Connector Type	N15BFW-CS



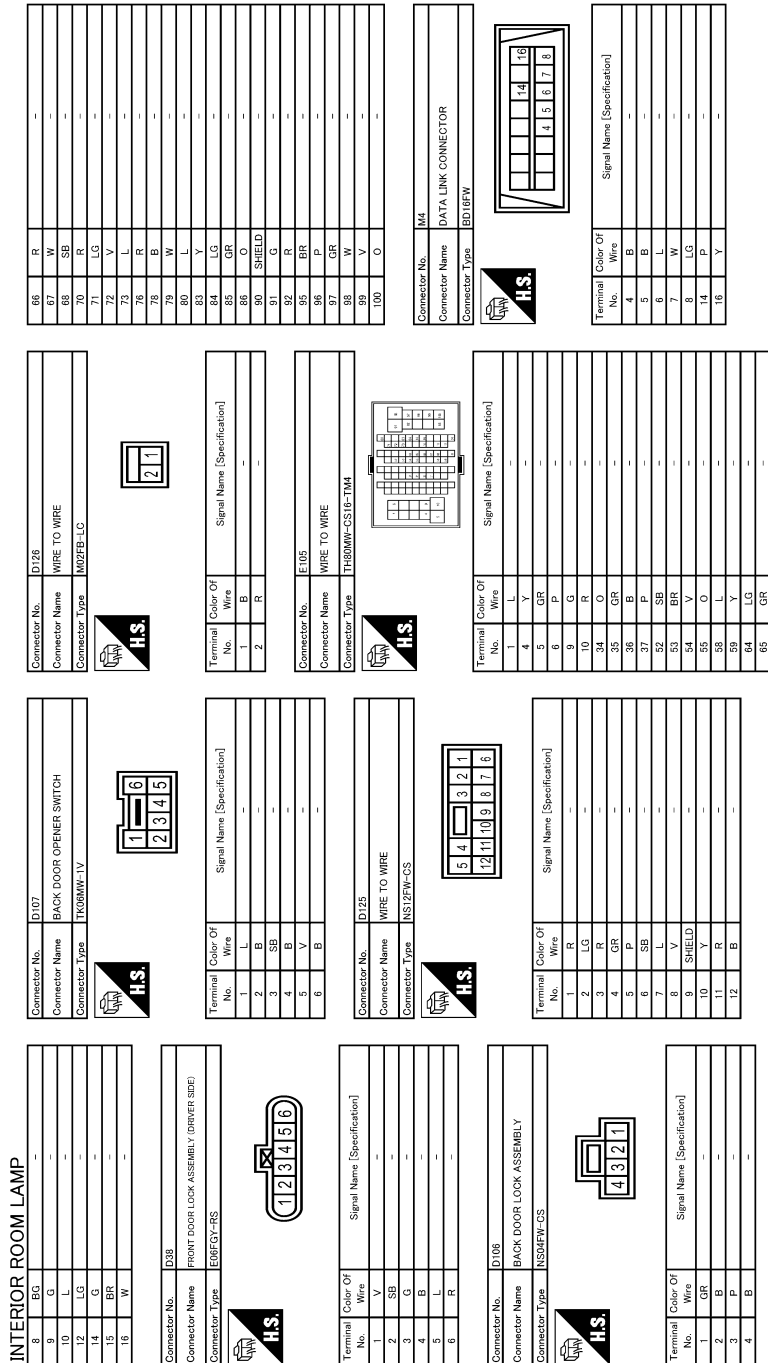
Terminal No.	Color Of Wire	Signal Name [Specification]
2	SB	-
3	SB	-
4	P	-
5	W	-
6	BR	-
7	LG	-

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# INTERIOR ROOM LAMP CONTROL SYSTEM

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# INTERIOR ROOM LAMP CONTROL SYSTEM

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## INTERIOR ROOM LAMP

Connector No.	M10
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-C515

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



Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	
2	SB	
3	W	
4	V	
13	GR	
14	GR	
15	L	
24	R	
25	G	
40	LG	
41	Y	
43	V	
44	V	
45	LG	
46	BR	
50	B	
51	B	
53	B	

Connector No.	M11
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-C515

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



Terminal No.	Color Of Wire	Signal Name [Specification]
1	CR	
2	W	
3	W	
4	V	
7	R	
8	G	
9	LG	
10	Y	
11	GR	
12	GR	
13	B	
14	L	
15	BR	
25	V	
26	W	
27	V	
28	P	
42	GR	
43	V	
44	P	
45	G	
46	Y	
47	GR	
48	L	
49	R	
50	LG	
52	BR	

Terminal No.	Color Of Wire	Signal Name [Specification]
7	BR	
8	L	
9	SHIELD	
10	SHIELD	
11	B	
12	W	
13	W	
14	LG	
15	L	
16	P	
17	LG	
18	W	
19	G	
20	R	
21	SHIELD	
22	W	
23	W	
24	R	
25	G	
26	R	
27	SHIELD	
28	V	
29	L	
30	LG	
32	W	

Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	
2	Y	



Connector No.	M24
Connector Name	KEY SWITCH
Connector Type	TK06MGY

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



Connector No.	M25
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40PW-NH

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



Connector No.	M23
Connector Name	WIRE TO WIRE
Connector Type	TH10MW-C510

3	4	5	6
9	10	11	12
13	14	15	16
17	18	19	20



Terminal No.	Color Of Wire	Signal Name [Specification]
3	B	
4	Y	
5	B	
6	B	
9	BR	
10	P	
11	R	
12	SHIELD	
13	G	

## INTERIOR ROOM LAMP

Connector No.	M20
Connector Name	WIRE TO WIRE
Connector Type	TH43ZFV-NH

18	19	20	21	22	23	24	25	26	27	28	29	30	31	32



Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	
2	SB	
3	W	
4	V	
13	GR	
14	GR	
15	L	
24	R	
25	G	
40	LG	
41	Y	
43	V	
44	V	
45	LG	
46	BR	
50	B	
51	B	
53	B	

Connector No.	M21
Connector Name	WIRE TO WIRE
Connector Type	TH43ZFV-NH

18	19	20	21	22	23	24	25	26	27	28	29	30	31	32



Terminal No.	Color Of Wire	Signal Name [Specification]
2	SHIELD	
3	B	
4	W	
5	R	
6	Y	

## INTERIOR ROOM LAMP

Connector No.	M24
Connector Name	KEY SWITCH
Connector Type	TK06MGY

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



Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	
2	Y	

Connector No.	M25
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40PW-NH

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



Terminal No.	Color Of Wire	Signal Name [Specification]
2	L	COMBI SW INPUT 5
3	GR	COMBI SW INPUT 4
4	BR	COMBI SW INPUT 3
5	G	COMBI SW INPUT 2
6	W	COMBI SW INPUT 1
7	L	KEY CTL UNLOCK SW
8	R	KEY CTL LOCK SW
9	R	STOP LAMP SW
10	W	REAR WIPER SW
11	W	IGN SW ACC
12	Y	DOOR LK & UNLK SW LOCK
13	BR	DOOR LK & UNLK SW UNLOCK
15	W	—
18	V	RECEIVER GND
19	BR	RECEIVER PWR SPLY

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# INTERIOR ROOM LAMP CONTROL SYSTEM

< WIRING DIAGRAM >

## INTERIOR ROOM LAMP

Terminal No.	Color Of Wire	Signal Name [Specification]
20	G	RECEIVER COM1
21	B	RECEIVER ANT AMP
23	R	SECURITY IND LAMP CONT
24	LG	DONBLE LINK
25	SB	MATS ANT AMP
26	B	THERMO CONT AMP
27	W	A/C SW
28	O	BLOWER FAN SW
29	L	HAZARD SW
30	L	BK DOOR OPENER SW
31	G	FR DEFROST SW
32	LG	COMBI SW OUTPUT 5
33	Y	COMBI SW OUTPUT 4
34	V	COMBI SW OUTPUT 3
35	R	COMBI SW OUTPUT 2
36	P	COMBI SW OUTPUT 1
37	GR	KEY SW
38	R	IGN SW LON
39	L	CAN-H
40	P	CAN-L

Connector No.	M66
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	FEAN5FW-FHAG-SA



56	57	58	61	63	64
65	66	67	68	69	70

Terminal No.	Color Of Wire	Signal Name [Specification]
56	W	DR DOOR UNLK OUTPUT
57	L	BAT (FUSE)
58	LG	INT ROOM LAMP PWR SPLY
60	BR	INT ROOM LAMP CONT
63	SB	A/C IND OUTPUT
65	Y	BAT (F/L)
67	P	PW PWR SPLY (IGN)
68	L	PW PWR SPLY (BAT)
69	V	PASS RR DOOR UNLK OUTPUT
70	B	ALL DOOR LOCK OUTPUT GND

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



17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
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Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	COMBI SW INPUT 5
2	GR	COMBI SW INPUT 4
3	BR	COMBI SW INPUT 3
4	GR	COMBI SW INPUT 2
5	G	COMBI SW INPUT 1
6	W	KEY CYL UNLOCK SW
7	L	KEY CYL UNLOCK SW
8	R	STOP LAMP SW 1
9	R	STOP LAMP SW 1
10	W	-
12	GR	DOOR LK & UNLK SW LOCK (Without front fog lamp)
13	Y	DOOR LK & UNLK SW LOCK (With front fog lamp)
14	P	DOOR LK & UNLK SW UNLOCK
15	W	OPTICAL SENS
16	W	RR DEFROGER SW
17	V	OPTICAL SENS
18	V	OPTICAL SENS
19	V	RECEIVER COM1
21	P	MATS ANT AMP
23	R	SECURITY IND LAMP CONT
24	SB	DONBLE LINK
25	LG	MATS ANT AMP
26	B	THERMO AMP
27	W	A/C SW (With front fog lamp)
27	Y	A/C SW (Without front fog lamp)
28	LG	BLOWER FAN SW (Without front fog lamp)
28	O	BLOWER FAN SW (With front fog lamp)
29	L	HAZARD SW (With front fog lamp)
29	SB	HAZARD SW (Without front fog lamp)
30	GR	BK DOOR OPENER SW
31	G	FR DEFROST SW
32	LG	COMBI SW OUTPUT 5
33	Y	COMBI SW OUTPUT 4
34	V	COMBI SW OUTPUT 3
35	R	COMBI SW OUTPUT 2
36	P	COMBI SW OUTPUT 1
37	G	DETENT SW
38	SB	RECEIVER COM1

38	L	CAN-H
39	P	CAN-L

Connector No.	M69
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	FEAN5FW-FHAG-SA



56	57	59	61	63	64
65	66	67	68	69	70

Terminal No.	Color Of Wire	Signal Name [Specification]
56	LG	INT ROOM LAMP PWR SPLY (With front fog lamp)
56	P	INT ROOM LAMP PWR SPLY (Without front fog lamp)
57	L	BAT (FUSE)
59	SB	PASS DOOR UNLK OUTPUT
61	V	TURN SIG LH OUTPUT
63	BR	TURN SIG RH OUTPUT
64	R	INT ROOM LAMP CONT
65	V	REVERSE SW
66	W	ALL DOOR LOCK OUTPUT
68	B	DR DOOR UNLK OUTPUT
69	P	PW PWR SPLY (IGN)
70	Y	PW PWR SPLY (BAT)

Connector No.	M70
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FY-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
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Terminal No.	Color Of Wire	Signal Name [Specification]
75	LG	DR DOOR REQ SW
76	LG	PASS DOOR REQ SW
78	P	DRIVER DOOR ANT+
79	V	DRIVER DOOR ANT-
81	Y	PASS DOOR ANT+
82	W	REAR EMPR ANT+
83	LG	REAR EMPR ANT-
84	BR	ROOM ANT 1+
85	GR	ROOM ANT 1-
86	G	ROOM ANT 2+
87	R	ROOM ANT 2-
88	V	LOGGAGE ROOM ANT+
89	LG	LOGGAGE ROOM ANT-
90	W	PUSH-BTN IGN SW LLL PWR
91	V	ACC / ON IND
92	R	PUSH-BTN IGN SW LLL GND
93	GR	I-KEY WARM BUZZER
96	BR	ACC RELAY CONT
97	SB	STARTER RELAY CONT
98	P	IGN RELY (PDM E/R) CONT
99	R	IGN RELY (P/B) CONT
100	P	PUSH SW
101	Y	CLUTCH INTERLOCK SW
102	L	NEUTRAL SW
104	SB	CVT SHIF SELECT PWR SPLY
105	V	5000 RPM SW
106	Y	BLUR REAR CORRT

Connector No.	M73
Connector Name	REMOTE KEYLESS ENTRY RECEIVER
Connector Type	TK09HW



1	2	4
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Terminal No.	Color Of Wire	Signal Name [Specification]
1	V	GND
2	G	SIGNAL
4	BR	POWER

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# INTERIOR ROOM LAMP CONTROL SYSTEM

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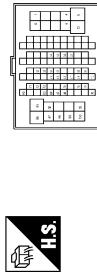
## INTERIOR ROOM LAMP

Connector No.	M75
Connector Name	REMOTE KEYLESS ENTRY RECEIVER
Connector Type	TH80PW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	POWER
2	SB	SIGNAL
4	Y	GNB

Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	TH80PW-CS16-TM4



Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
4	V	-
5	W	-
6	P	-
9	R	-
10	R	-
34	LG	-
36	B	-
35	SB	-
37	P	-
53	R	-
54	SB	-
55	P	-
58	LG	-
59	G	-
64	G	-

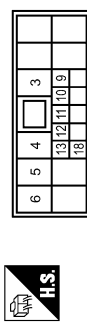
65	GR	-
66	V	-
68	R	-
70	V	-
71	R	-
72	GR	-
73	G	-
76	W	-
78	LG	-
79	V	-
80	LG	-
83	P	-
84	G	-
85	BR	-
86	LG	-
89	SHIELD	-
91	Y	-
92	BR	-
95	R	- [Without Intelligent Key]
95	Y	- [With Intelligent Key]
96	L	-
97	GR	-
98	G	-
99	W	-
100	LG	-

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



Terminal No.	Color Of Wire	Signal Name [Specification]
3	G	-
4	W	-
5	W	-
6	R	-
7	V	-
8	LG	-

Connector No.	R1
Connector Name	WIRE TO WIRE
Connector Type	NH10PW-CS10



Terminal No.	Color Of Wire	Signal Name [Specification]
3	B	-
4	B	-
5	LM	-
6	SV	-
8	V	-
9	V	-
10	R	-
11	R	-
12	SHIELD	-
13	L	-
18	B	-

Connector No.	R4
Connector Name	MAP LAMP
Connector Type	GA08EPW



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

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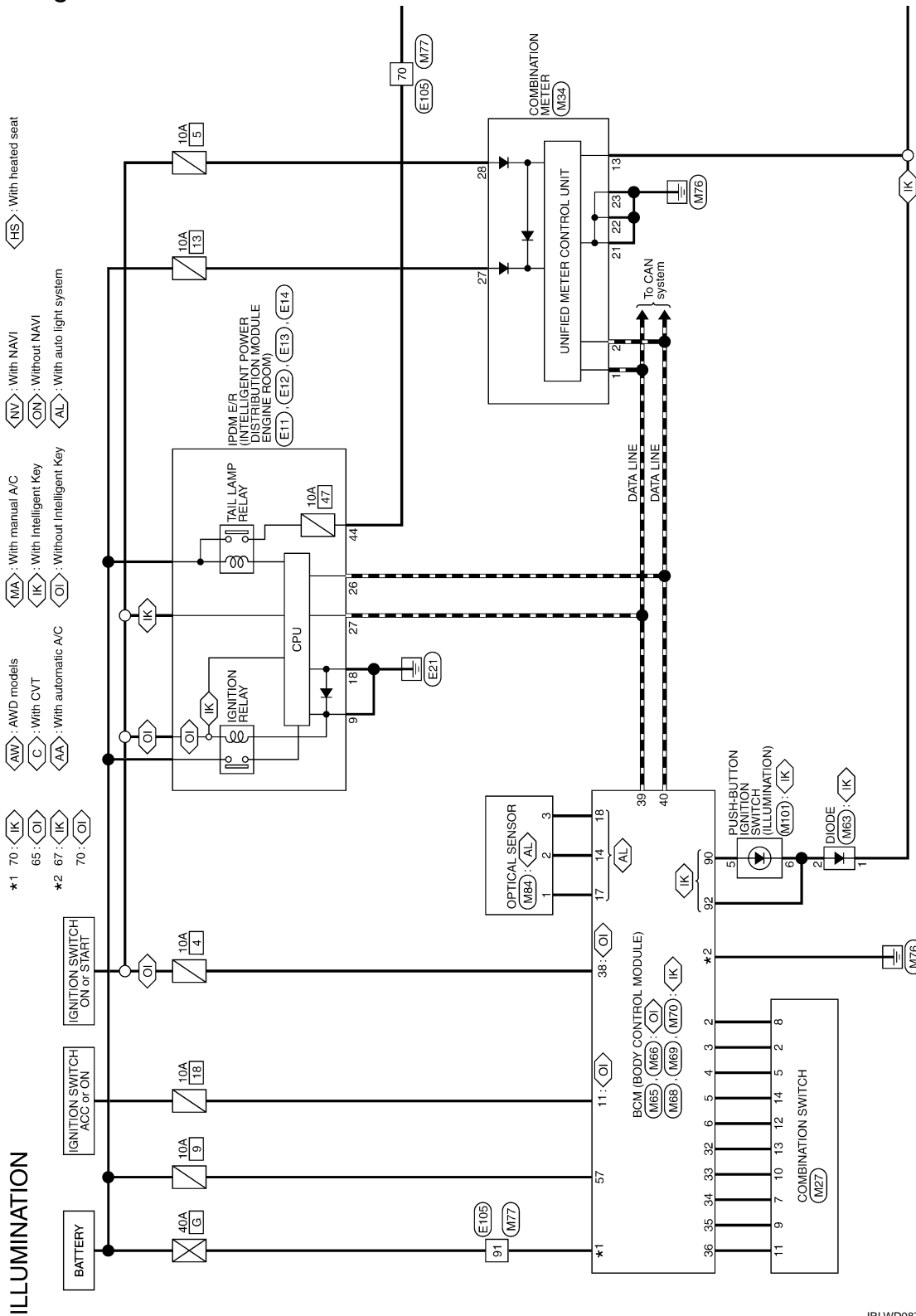
# ILLUMINATION

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## ILLUMINATION

### Wiring Diagram

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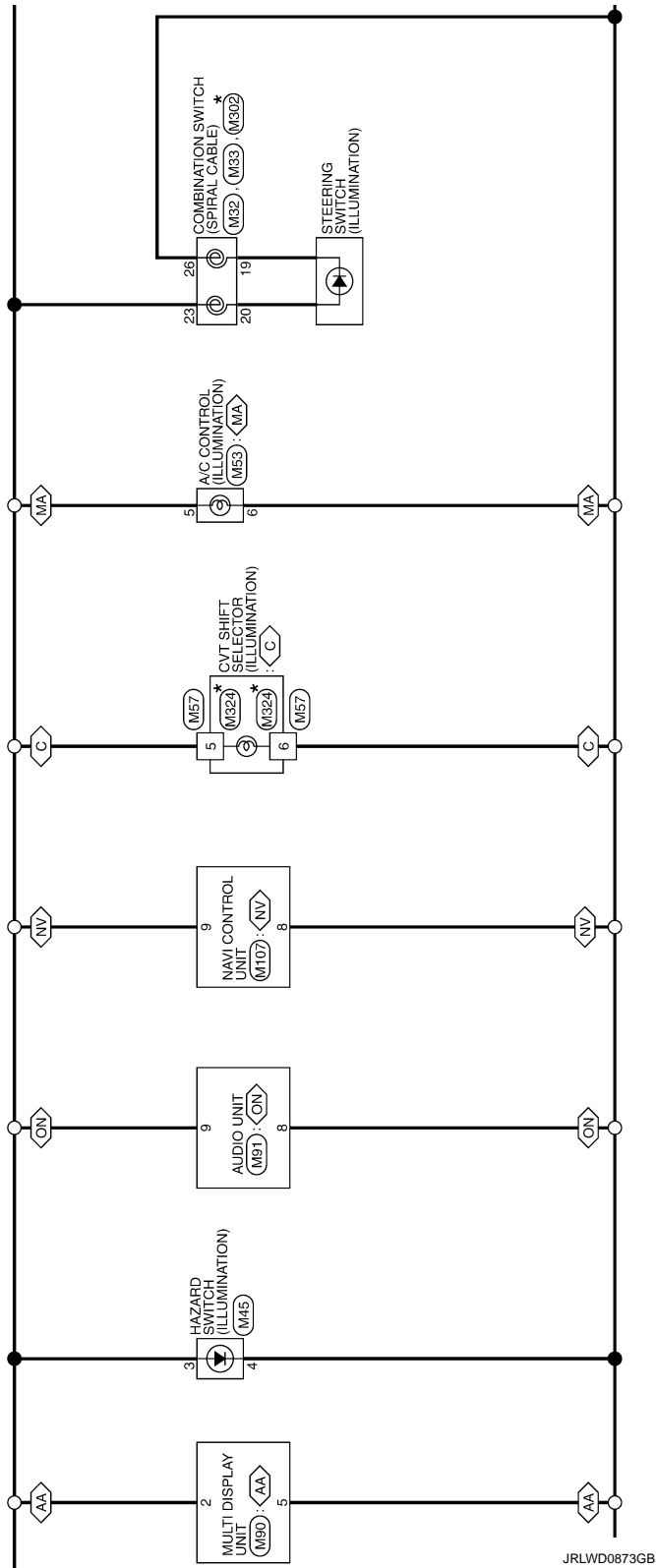
\*: This connector is not shown in "Harness Layout".

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# ILLUMINATION

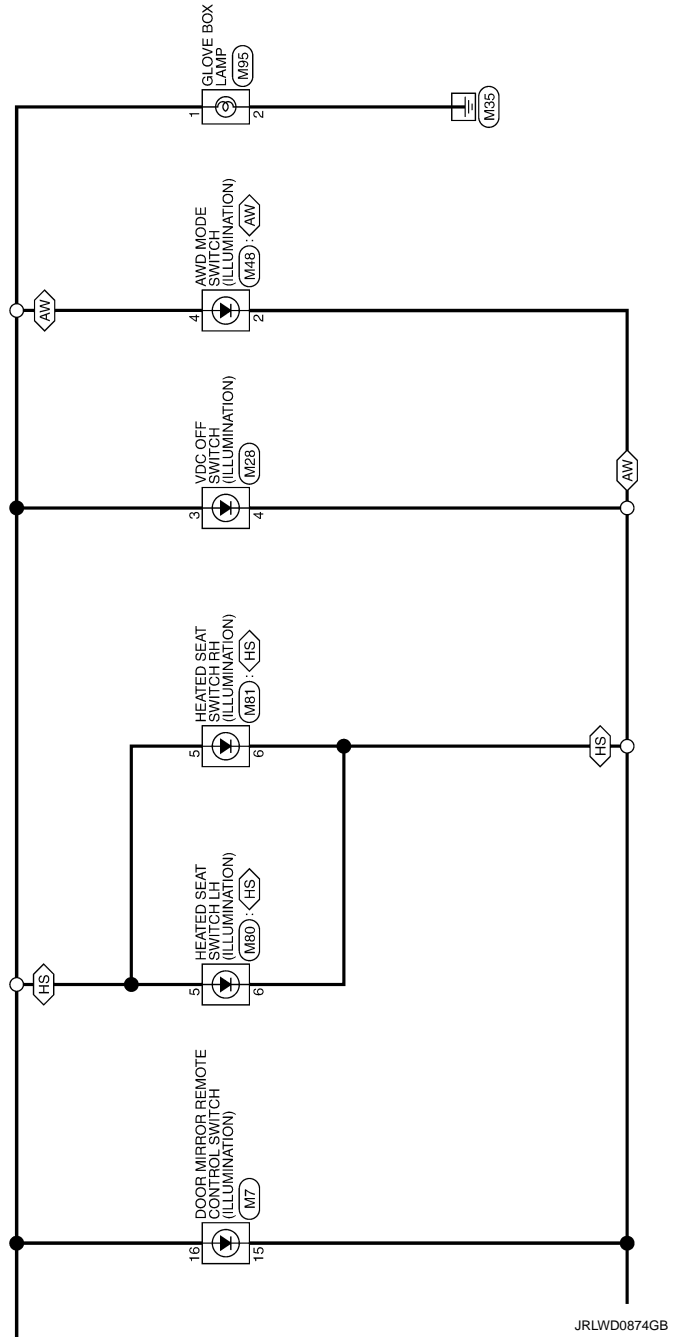
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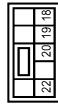
## ILLUMINATION

Connector No.	E11
Connector Name	FRAME R INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	M06FB-LC



Terminal No.	Color Of Wire	Signal Name [Specification]
9	B/Y	-
14	R	-

Connector No.	E12
Connector Name	FRAME R INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	NS08FER-CS



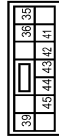
Terminal No.	Color Of Wire	Signal Name [Specification]
18	B/Y	-
19	R	- [Without front fog lamp]
19	W	- [With front fog lamp]
20	G	- [Without front fog lamp]
20	V	- [With front fog lamp]
22	G	-

Connector No.	E13
Connector Name	FRAME R INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	TH12FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
23	SB	-
25	R	-
26	L	-
27	L	-
28	Y	-
30	V	-
31	Y	-
33	G	-
34	L	-

Connector No.	E14
Connector Name	FRAME R INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	NS12FER-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
35	G	-
36	P	-
39	L	-
41	BR	-
42	L	-
43	L	-
44	R	-
45	W	-

Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-GS16-1M4



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

82	R	-
83	BR	-
84	BR	-
85	GR	-
86	W	-
87	W	-
88	V	-
89	V	-
90	O	-

Connector No.	N7
Connector Name	DOOR MIRROR REMOTE CONTROL SWITCH
Connector Type	TK1CFW



Terminal No.	Color Of Wire	Signal Name [Specification]
2	P	-
3	V	-
4	LG	-
5	G	-
6	Y	-
7	BR	-
12	B	-
13	L	-
14	GR	-
15	V	-

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# ILLUMINATION

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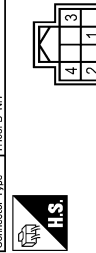
## ILLUMINATION

Connector No.	M21
Connector Name	COMBINATION SWITCH
Connector Type	TH08FB-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	WASHER (FR) [Without front fog lamp]
2	GR	WASHER (FR) [With front fog lamp]
3	R	WASHER (FR) [Without front fog lamp]
4	SB	IGN [Without front fog lamp]
5	BR	IGN [With front fog lamp]
6	B	GND
7	V	OUTPUT 3
8	L	OUTPUT 5
9	R	INPUT 2
10	Y	INPUT 4
11	P	INPUT 1
12	LG	INPUT 5
13	LG	OUTPUT 1
14	G	OUTPUT 2

Connector No.	M28
Connector Name	YDC OFF SWITCH
Connector Type	TH08FB-NH



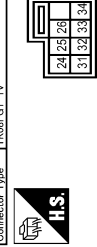
Terminal No.	Color Of Wire	Signal Name [Specification]
1	SB	-
2	B	-
3	V	-

Connector No.	M22
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TK08FY-EX-IV



Terminal No.	Color Of Wire	Signal Name [Specification]
23	V	-
28	Y	- [Without front fog lamp]
29	Y/W	- [With front fog lamp]
30	Y/G	-

Connector No.	M33
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TK08FGY-IV



Terminal No.	Color Of Wire	Signal Name [Specification]
24	G	-
25	P	- [Without front fog lamp]
26	GR	- [With front fog lamp]
27	B	-
28	L	-
29	V	- [With front fog lamp]
30	LG	- [Without front fog lamp]
31	R	- [With front fog lamp]

Connector No.	M34
Connector Name	COMBINATION METER
Connector Type	TH08FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	P	GM-LH
2	P	GM-LH
3	V	VEHICLE SPEED SIGNAL (PULSE) [With front fog lamp]
4	V	VEHICLE SPEED SIGNAL (PULSE) [Without front fog lamp]
5	G	PADDLE SHIFTER UP SWITCH SIGNAL
6	BR	FUEL LEVEL SENSOR SIGNAL
7	R	AIR BAG SIGNAL
8	P	- [Without front fog lamp]
9	O	- [With front fog lamp]
10	W	SEAT BELT TENSION SWITCH SIGNAL (LOWER SEAT) [With front fog lamp]
11	G	SEAT BELT TENSION SWITCH SIGNAL (UPPER SEAT) [With front fog lamp]
12	SB	PARKING BRAKE SWITCH SIGNAL
13	B	ILLUMINATION CONTROL SIGNAL [With front fog lamp]
14	R	ILLUMINATION CONTROL SIGNAL [Without front fog lamp]
15	V	MANUAL MODE SHIFT UP SIGNAL [With front fog lamp]
16	O	ACC POWER SUPPLY
17	W	MANUAL MODE SHIFT DOWN SIGNAL [With front fog lamp]
18	R	MANUAL MODE SHIFT DOWN SIGNAL [Without front fog lamp]
19	GR	WASHER LEVEL SWITCH SIGNAL [Without front fog lamp]
20	LG	WASHER LEVEL SWITCH SIGNAL [With front fog lamp]
21	R	AMBIENT SENSOR SIGNAL
22	B	AMBIENT SENSOR GROUND [With front fog lamp]
23	B	AMBIENT SENSOR GROUND [Without front fog lamp]
24	B	GROUND
25	B	FUEL LEVEL SENSOR GROUND
26	V	VDC SENSOR GROUND
27	LG	PADDLE SHIFTER DOWN SWITCH SIGNAL
28	GR	BATTERY POWER SUPPLY
29	LG	IGNITION SIGNAL
30	V	PASSENGER SEAT BELT TENSION SIGNAL [With front fog lamp]
31	V	PASSENGER SEAT BELT TENSION SIGNAL [Without front fog lamp]

31	D	A/S AUTO AMP CONNECTION RECOGNITION SIGNAL
32	LG	MANUAL MODE SIGNAL [With front fog lamp]
33	Y	MANUAL MODE SIGNAL [Without front fog lamp]
34	G	NON-MANUAL MODE SIGNAL [With front fog lamp]
35	Y	NON-MANUAL MODE SIGNAL [Without front fog lamp]
36	P	ALTERNATOR SIGNAL

Connector No.	M45
Connector Name	HAZARD SWITCH
Connector Type	TK08FW



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	SB	-
3	V	-
4	B	- [With front fog lamp]
5	GR	- [Without front fog lamp]

Connector No.	M48
Connector Name	AND MODE SWITCH
Connector Type	TK08FW-IV



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

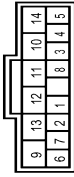


# ILLUMINATION

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## ILLUMINATION

Connector No.	M63
Connector Name	A/C CONTROL
Connector Type	SEAR0FB-SH46



Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	STOP LAMP SW
2	SB	REAR SW ACC
3	W	DOOR LK & UNLK SW LOCK
4	R	DOOR LK & UNLK SW UNLOCK
5	V	RECEIVER GND
6	GR	RECEIVER PWR SPLY
7	G	RECEIVER COMM
8	B	NATS ANT AMP
9	B	NATS ANT AMP
10	W	DONGLE LINK
11	R	SECURITY IND LAMP CONT
12	Y	SECURITY IND LAMP CONT
13	L	SECURITY IND LAMP CONT
14	LG	SECURITY IND LAMP CONT

Connector No.	M67
Connector Name	CVT SHIFT SELECTOR
Connector Type	TH16FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	SB	COMBI SW INPUT 5
2	B	COMBI SW INPUT 4
3	BR	COMBI SW INPUT 3
4	B	COMBI SW INPUT 2
5	V	COMBI SW INPUT 1
6	GR	KEY CYL UNLOCK SW

7	Y	STOP LAMP SW
8	W	REAR SW ACC
9	R	DOOR LK & UNLK SW LOCK
10	B	DOOR LK & UNLK SW UNLOCK
11	G	RECEIVER GND
12	SB	RECEIVER PWR SPLY
13	P	RECEIVER COMM

Connector No.	M63
Connector Name	DIODE
Connector Type	Z4335-C9900



Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	COMBI SW INPUT 5
2	R	COMBI SW INPUT 4

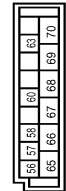
Connector No.	M65
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	SB	COMBI SW INPUT 5
2	GR	COMBI SW INPUT 4
3	BR	COMBI SW INPUT 3
4	BR	COMBI SW INPUT 2
5	G	COMBI SW INPUT 1
6	W	KEY CYL UNLOCK SW
7	L	KEY CYL UNLOCK SW
8	R	KEY CYL UNLOCK SW

9	R	STOP LAMP SW
10	Y	REAR SW ACC
11	Y	DOOR LK & UNLK SW LOCK
12	Y	DOOR LK & UNLK SW UNLOCK
13	BR	RECEIVER GND
14	W	RECEIVER PWR SPLY
15	V	RECEIVER COMM
16	GR	NATS ANT AMP
17	GR	NATS ANT AMP
18	P	DONGLE LINK
19	R	SECURITY IND LAMP CONT
20	G	SECURITY IND LAMP CONT
21	P	SECURITY IND LAMP CONT
22	R	SECURITY IND LAMP CONT
23	R	SECURITY IND LAMP CONT
24	SB	DONGLE LINK
25	B	THEMO CONT AMP
26	B	THEMO CONT AMP
27	W	A/C SW
28	O	BLWDR FAN SW
29	O	HAZARD SW
30	L	BK DOOR OPENER SW
31	G	FR DEFROST SW
32	LG	COMBI SW OUTPUT 5
33	Y	COMBI SW OUTPUT 4
34	V	COMBI SW OUTPUT 3
35	R	COMBI SW OUTPUT 2
36	P	COMBI SW OUTPUT 1
37	GR	KEY SW
38	R	IGN SW ON
39	L	CAN-H
40	P	CAN-L

Connector No.	M66
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	FEA09FW-FH46-SA



Terminal No.	Color Of Wire	Signal Name [Specification]
57	W	DR DOOR UNLK OUTPUT
58	W	DR DOOR UNLK OUTPUT
59	L	BAT (F/L)
60	BR	INT ROOM LAMP PWR SPLY
61	BR	INT ROOM LAMP CONT
62	SB	A/C IND OUTPUT
63	SB	BAT (F/L)
64	Y	BAT (F/L)

66	P	PWR PWR SPLY (BAT)
67	L	PWR PWR SPLY (BAT)
68	SB	PASS BR DOOR UNLK OUTPUT
69	V	ALL DOOR LOCK OUTPUT
70	B	GND

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



Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	COMBI SW INPUT 5
2	L	COMBI SW INPUT 5
3	GR	COMBI SW INPUT 4
4	BR	COMBI SW INPUT 3
5	G	COMBI SW INPUT 2
6	W	COMBI SW INPUT 1
7	L	KEY CYL UNLOCK SW
8	R	KEY CYL UNLOCK SW
9	R	STOP LAMP SW 1
10	W	STOP LAMP SW 1
11	W	STOP LAMP SW 1
12	GR	DOOR LK & UNLK SW LOCK (Without front fog lamp)
13	Y	DOOR LK & UNLK SW LOCK (With front fog lamp)
14	BR	DOOR LK & UNLK SW UNLOCK
15	P	OPTICAL SENS
16	W	RR DEFROGGER SW
17	R	RECEIVER GND
18	V	OPTICAL SENS PWR SPLY
19	P	RECEIVER GND
20	R	NATS ANT AMP
21	P	NATS ANT AMP
22	R	SECURITY IND LAMP CONT
23	R	SECURITY IND LAMP CONT
24	SB	DONGLE LINK
25	LG	NATS ANT AMP
26	B	THEMO AMP
27	W	A/C SW (With front fog lamp)
28	W	A/C SW (Without front fog lamp)
29	LG	BLWDR FAN SW (With front fog lamp)
30	LG	BLWDR FAN SW (Without front fog lamp)
31	L	HAZARD SW (With front fog lamp)
32	L	HAZARD SW (Without front fog lamp)
33	L	BK DOOR OPENER SW
34	L	BK DOOR OPENER SW

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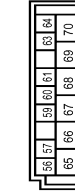
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## ILLUMINATION

32	CG	COMBI SW OUTPUT 5
33	V	COMBI SW OUTPUT 4
34	V	COMBI SW OUTPUT 4
35	R	COMBI SW OUTPUT 3
36	P	COMBI SW OUTPUT 2
37	G	COMBI SW OUTPUT 1
38	SB	DETMNT SW
39	L	RECEIVER COMM
40	P	CAN-H
		CAN-L

Connector No.	M89
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	FE48PWH-F48S-SA



Terminal No.	Color Of Wire	Signal Name [Specification]
56	LG	INT ROOM LAMP PWR SPPLY (With front fog lamp)
57	P	INT ROOM LAMP PWR SPPLY (Without front fog lamp)
58	L	INT ROOM LAMP PWR SPPLY (Without front fog lamp)
59	L	BAT (FUSE)
60	SB	PASS DOOR LOCK OUTPUT
61	W	TURN SIG RL OUTPUT
62	W	TURN SIG RL OUTPUT
63	BR	INT-ROOM LAMP CONT
64	R	REVERSE SW
65	V	ALL DOOR LOCK OUTPUT
66	W	DR DOOR UNLK OUTPUT
67	B	GND
68	L	PWR PWR SPPLY (IGN)
69	P	PWR PWR SPPLY (BAT)
70	Y	BAT (F7/L)

Connector No.	M70
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH48PWH-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
71	G	DR DOOR REG SW
72	LG	PASS DOOR REG SW
73	V	DRIVER DOOR ANT+
74	P	DRIVER DOOR ANT+
75	V	DRIVER DOOR ANT-
76	V	PASS DOOR ANT+
77	Y	REAR BMPR ANT-
78	W	REAR BMPR ANT-
79	LG	ROOM ANT 1+
80	LG	ROOM ANT 1+
81	Y	ROOM ANT 2+
82	W	ROOM ANT 2+
83	LG	ROOM ANT 1-
84	BR	ROOM ANT 1-
85	GR	ROOM ANT 1-
86	G	ROOM ANT 2-
87	R	LUGGAGE ROOM ANT+
88	V	LUGGAGE ROOM ANT+
89	LG	LUGGAGE ROOM ANT-
90	V	LUGGAGE ROOM ANT-
91	V	PUSH-LOCK ALL PWR
92	V	ACC LOCK SW
93	R	PUSH BTN IGN SW ALL GND
94	GR	I-KEY WARN BUZZER
95	BR	ACC RELAY CONT
96	BR	STARTER RELAY CONT
97	SB	IGN RELAY (IPDME/R) CONT
98	P	IGN RELAY (F/B) CONT
99	R	PUSH SW
100	P	CLUTCH INTERLOCK SW
101	Y	NEUTRAL SW
102	L	CVT SHIFT SELECT PWR SPPLY
104	SB	STOP LAMP SW 2
105	V	BLUR RELAY CONT
106	Y	BLUR RELAY CONT

Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	TH8PWH-CS16-TM4



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

85	R	- [Without Intelligent Key]
86	Y	- [With Intelligent Key]
87	L	
88	GR	
89	G	
90	W	
91	W	
92	LG	
93	LG	

Connector No.	M80
Connector Name	HEATED SEAT SWITCH LH
Connector Type	NS8PWH-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	
2	Y	
3	P	
4	B	
5	V	
6	GR	

Connector No.	M81
Connector Name	HEATED SEAT SWITCH RH
Connector Type	NS8PWH-CS



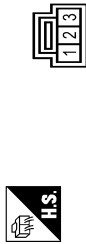
Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	
2	L	
3	R	
4	B	
5	V	

# ILLUMINATION

< WIRING DIAGRAM >

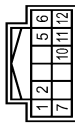
## ILLUMINATION

Connector No.	M84
Connector Name	OPTICAL SENSOR
Connector Type	TK03FW



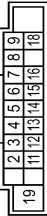
Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	SB	-
3	V	-

Connector No.	M90
Connector Name	MULTI DISPLAY UNIT
Connector Type	TH12FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	BAT
2	V	ILL+
5	GR	ILL CONT
6	L	CAN-H
7	SB	IGN
10	B	GND
11	B	GND
12	P	CAN-L

Connector No.	M91
Connector Name	AUDIO UNIT
Connector Type	TH18PW-GSZ



Terminal No.	Color Of Wire	Signal Name [Specification]
2	W	SOUND SIGNAL FRONT SPEAKER LH (+)
3	R	SOUND SIGNAL FRONT SPEAKER LH (-)
4	GR	SOUND SIGNAL REAR SPEAKER LH (+)
5	W	SOUND SIGNAL REAR SPEAKER LH (-)
6	W	STRG SW A (Without front fog lamp)
7	W/L	STRG SW A (With front fog lamp)
8	L	ACC
9	GR	ILLUMINATION CONTROL SIGNAL (-)
11	G	ILLUMINATION CONTROL SIGNAL (+)
12	R	SOUND SIGNAL FRONT SPEAKER RH (-)
13	BR	SOUND SIGNAL REAR SPEAKER RH (+)
14	Y	SOUND SIGNAL REAR SPEAKER RH (-)
15	L/G	STRG SW GND (Without front fog lamp)
16	GR/B	STRG SW GND (With front fog lamp)
17	GR	STRG SW B (With front fog lamp)
18	Y	VEHICLE SPEED (8-PULSE)
19	BR	BATTERY

Connector No.	M95
Connector Name	GLOVE BOX LAMP
Connector Type	A002FW



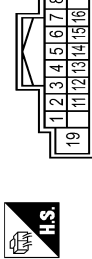
Terminal No.	Color Of Wire	Signal Name [Specification]
2	B	-

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



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

Connector No.	M107
Connector Name	NAVI CONTROL UNIT
Connector Type	TH18PW-GSZ



Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	W/OFFER AMP ON SIGNAL
2	GR	SOUND SIGNAL FRONT SPEAKER LH (+)
3	GR	SOUND SIGNAL FRONT SPEAKER LH (-)
4	LG	SOUND SIGNAL REAR SPEAKER LH (+)
5	W	SOUND SIGNAL REAR SPEAKER LH (-)
6	G	STRG SW A
7	L	ACC
8	GR	ILLUMINATION CONTROL SIGNAL (-)

9	V	ILLUMINATION CONTROL SIGNAL (+)
10	G	SOUND SIGNAL FRONT SPEAKER LH (-)
11	B	SOUND SIGNAL FRONT SPEAKER LH (+)
12	B	SOUND SIGNAL FRONT SPEAKER RH (-)
13	BR	SOUND SIGNAL REAR SPEAKER RH (+)
14	Y	SOUND SIGNAL REAR SPEAKER RH (-)
15	V	STRG SW GND
16	R	STRG SW B
18	Y	VEHICLE SPEED SIGNAL (8-PULSE)
19	BR	BATTERY
20	B	GND

Connector No.	M202
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TK08PEFY



Terminal No.	Color Of Wire	Signal Name [Specification]
13	R	-
14	W	-
15	L	-
16	B	-
17	BR	-
18	G	-
19	P	-
20	Y	-

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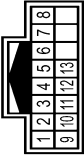

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# ILLUMINATION

< WIRING DIAGRAM >

**ILLUMINATION**

Connector No.	16324
Connector Name	CVT SHIFT SELECTOR
Connector Type	1H16BMW-NH

Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	Y	-
3	W	-
4	P	-
5	G	-
6	G	-
7	BR	-
8	G	-
9	GR	-
10	Y	-
11	L/W	-
12	O	-
13	LG	-

JRLWD0880GB

# DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

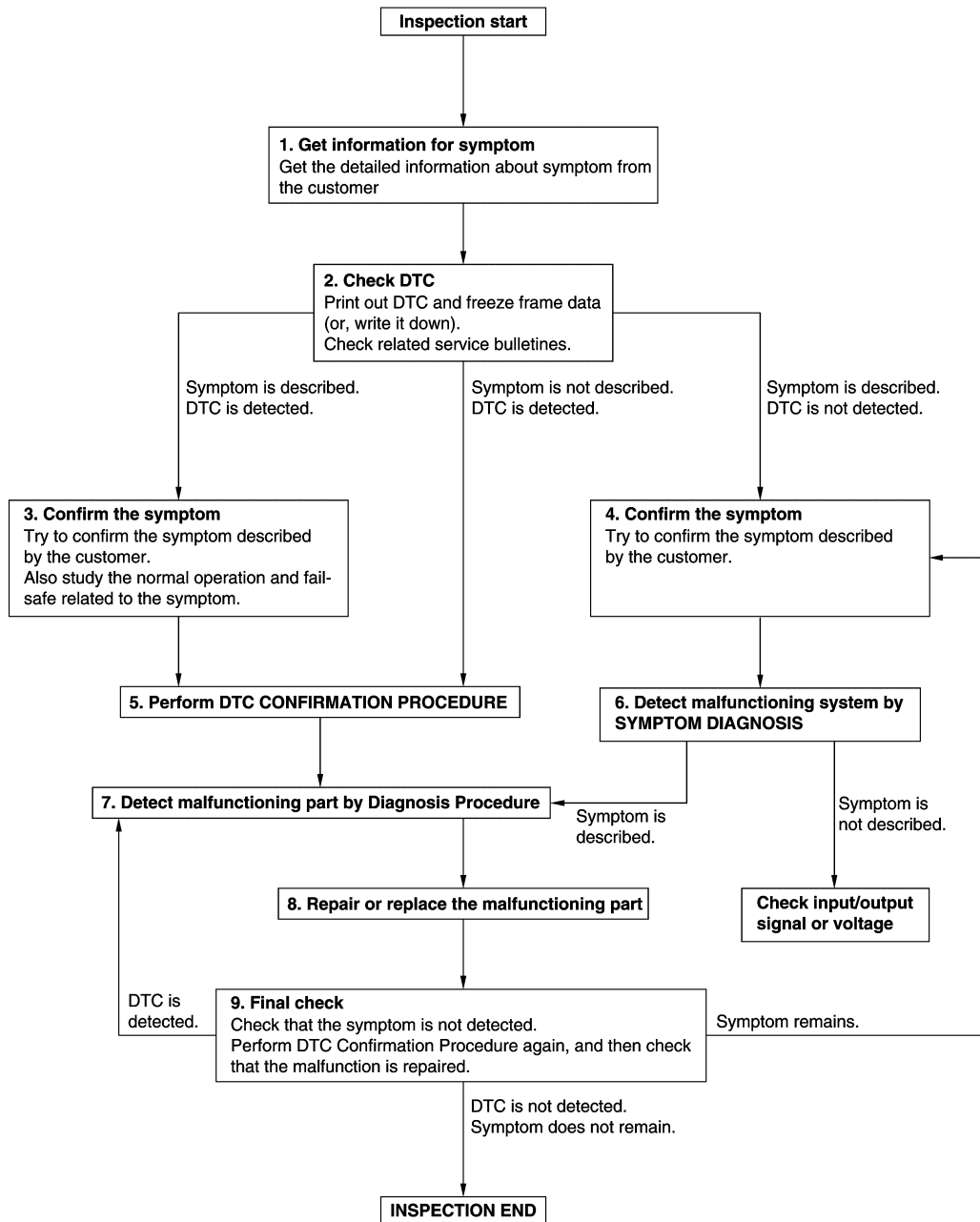
## BASIC INSPECTION

### DIAGNOSIS AND REPAIR WORK FLOW

Work Flow

INFOID:000000009750795

OVERALL SEQUENCE



DETAILED FLOW

JMKIA8652GB

# DIAGNOSIS AND REPAIR WORK FLOW

## < BASIC INSPECTION >

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### 1. GET INFORMATION FOR SYMPTOM

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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-46. "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-46. "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

#### Description

INFOID:000000009750796

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

#### Component Function Check

INFOID:000000009750797

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

##### Ⓟ CONSULT ACTIVE TEST

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

**Off** : Interior room lamp OFF

**On** : Interior room lamp ON

Does each interior room lamp turn ON/OFF?

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

NO >> Refer to [INL-40, "Diagnosis Procedure"](#).

#### Diagnosis Procedure

INFOID:000000009750798

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

##### Ⓟ CONSULT ACTIVE TEST

1. Turn ignition switch OFF.
2. Disconnect the following connectors.
  - Map lamp
  - Luggage room lamp
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.

With Intelligent Key

BCM		(-)	Test item	Voltage (Approx.)	
(+)					
Connector	Terminal				
M69	56	Ground	BATTERY SAVER	Off	0 V
				On	12 V

Without Intelligent Key

BCM		(-)	Test item	Voltage (Approx.)	
(+)					
Connector	Terminal				
M66	58	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



# INTERIOR ROOM LAMP POWER SUPPLY CIRCUIT

## < DTC/CIRCUIT DIAGNOSIS >

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

With Intelligent Key

BCM		Each interior room lamp			Continuity
Connector	Terminal	Connector	Terminal	Terminal	
M69	56	Map lamp	R4	4	Existed
		Luggage room lamp	B11	1	

Without Intelligent Key

BCM		Each interior room lamp			Continuity
Connector	Terminal	Connector	Terminal	Terminal	
M66	58	Map lamp	R4	4	Existed
		Luggage room lamp	B11	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.

With Intelligent Key

BCM		Ground	Continuity
Connector	Terminal		
M69	56		Not existed

Without Intelligent Key

BCM		Ground	Continuity
Connector	Terminal		
M66	58		Not existed

Is the inspection result normal?

- YES >> Replace BCM. Refer to [BCS-90, "Removal and Installation"](#).  
 NO >> Repair or replace harnesses.

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# INTERIOR ROOM LAMP CONTROL CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

## INTERIOR ROOM LAMP CONTROL CIRCUIT

### Description

INFOID:000000009750799

Controls each interior room lamp (ground side) by PWM signal.

#### NOTE:

PWM signal control period is approximately 250 Hz (in the gradual brightening/dimming).

### Component Function Check

INFOID:000000009750800

#### CAUTION:

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

- Interior room lamp power supply
- Map lamp bulb

### 1. CHECK INTERIOR ROOM LAMP CONTROL FUNCTION

#### CONSULT ACTIVE TEST

1. Switch the map 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-42, "Diagnosis Procedure"](#).

### Diagnosis Procedure

INFOID:000000009750801

### 1. CHECK INTERIOR ROOM LAMP CONTROL OUTPUT

#### CONSULT ACTIVE TEST

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

With Intelligent Key

BCM		Ground	Test item		Continuity
Connector	Terminal		INT LAMP	On	Existed
M69	63			On	Existed
			Off	Not existed	

Without Intelligent Key

BCM		Ground	Test item		Continuity
Connector	Terminal		INT LAMP	On	Existed
M66	60			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-90, "Removal and Installation"](#).

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

1. Turn ignition switch OFF.
2. Disconnect BCM connector, map lamp connector.

# INTERIOR ROOM LAMP CONTROL CIRCUIT

## < DTC/CIRCUIT DIAGNOSIS >

3. Check continuity between BCM harness connector and map lamp harness connector.

With Intelligent Key

BCM		Map lamp		Continuity
Connector	Terminal	Connector	Terminal	
M69	63	R4	2	Existed

Without Intelligent Key

BCM		Map lamp		Continuity
Connector	Terminal	Connector	Terminal	
M66	60	R4	2	Existed

Is the inspection result normal?

YES >> Replace map lamp. Refer to [INL-49, "Removal and Installation"](#).

NO >> Repair or replace harnesses.

## 3. CHECK INTERIOR ROOM LAMP CONTROL SHORT CIRCUIT

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

With Intelligent Key

BCM		Ground	Continuity
Connector	Terminal		
M69	63		Not existed

Without Intelligent Key

BCM		Ground	Continuity
Connector	Terminal		
M66	60		Not existed

Is the inspection result normal?

YES >> Replace BCM. Refer to [BCS-90, "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:000000009750802

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

### Diagnosis Procedure

INFOID:000000009750803

#### 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 lamp bulb.
3. Check continuity between BCM harness connector and ground.

With Intelligent Key

BCM		Ground	Condition		Continuity
Connector	Terminal		Back door	Open Closed	
B10	49				
			Closed	Not existed	

Without Intelligent Key

BCM		Ground	Condition		Continuity
Connector	Terminal		Back door	Open Closed	
B9	55				
			Closed	Not existed	

Is the inspection result normal?

YES >> GO TO 2.

Fixed ON>>GO TO 3.

Fixed OFF>>Replace BCM. Refer to [BCS-90, "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.

With Intelligent Key

BCM		Luggage room lamp		Continuity
Connector	(+) Terminal	Connector	(-) Terminal	
	B10		49	B11

Without Intelligent Key

BCM		Luggage room lamp		Continuity
Connector	(+) Terminal	Connector	(-) Terminal	
	B9		55	B11

Is the inspection result normal?

YES >> Replace luggage room lamp.

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.

# LUGGAGE ROOM LAMP CIRCUIT

## < DTC/CIRCUIT DIAGNOSIS >

With Intelligent Key

BCM		Ground	Continuity
Connector	Terminal		
B10	49		Not existed

Without Intelligent Key

BCM		Ground	Continuity
Connector	Terminal		
B9	55		Not existed

Is the inspection result normal?

- YES >> Replace BCM. Refer to [BCS-90. "Removal and Installation"](#).
- NO >> Repair or replace harnesses.

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# PUSH-BUTTON IGNITION SWITCH ILLUMINATION CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

## PUSH-BUTTON IGNITION SWITCH ILLUMINATION CIRCUIT

### Description

INFOID:000000009750804

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

### Component Function Check

INFOID:000000009750805

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

#### CONSULT ACTIVE TEST

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

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

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

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

YES >> Push-button ignition switch illumination circuit is normal.

NO >> Refer to [INL-46, "Diagnosis Procedure"](#).

### Diagnosis Procedure

INFOID:000000009750806

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

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

(+)		(-)	Condition	Voltage (Approx.)	
Connector	Terminal				
M101	5	Ground	Push-button ignition switch illumination	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 the 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	
M70	90	M101	5	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		
M70	90		Not existed

# PUSH-BUTTON IGNITION SWITCH ILLUMINATION CIRCUIT

## < DTC/CIRCUIT DIAGNOSIS >

### Is the inspection result normal?

YES >> Replace BCM. Refer to [BCS-90, "Removal and Installation"](#).

NO >> Repair or replace harnesses.

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

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

Push-button ignition switch		Ground	Continuity
Connector	Terminal		Existed
M101	6		

### 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:000000009750807

**NOTE:**

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

Symptom	Possible cause	Inspection item
All the following lamps do not turn ON. • Map lamp • Luggage room lamp	<ul style="list-style-type: none"> <li>• Harness between BCM and each interior room lamp</li> <li>• BCM</li> </ul>	Interior room lamp power supply circuit Refer to <a href="#">INL-40</a> .
<ul style="list-style-type: none"> <li>• Interior room lamp does not turn ON even though the door is open. (It turns ON when turning the interior room lamp ON.)</li> <li>• Interior room lamp does not turn OFF even though the door is closed.</li> </ul>	<ul style="list-style-type: none"> <li>• Harness between BCM and each door switch</li> <li>• Harness between BCM and each interior room lamp</li> <li>• BCM</li> </ul>	Door switch circuit Refer to <a href="#">DLK-81</a> .
		Interior room lamp control circuit Refer to <a href="#">INL-42</a> .
Interior room lamp timer does not activate. (It turns ON/ OFF when the door opens/closes.)	—	Check the interior room lamp setting. Refer to <a href="#">DLK-81</a> .
<ul style="list-style-type: none"> <li>• Luggage room lamp does not turn ON even though the back door is open.</li> <li>• Luggage room lamp does not turn OFF even though the back door is closed.</li> </ul>	<ul style="list-style-type: none"> <li>• Harness between BCM and back door switch</li> <li>• Harness between BCM and luggage room lamp</li> <li>• BCM</li> </ul>	Back door switch circuit Refer to <a href="#">DLK-81</a> .
		Luggage room lamp circuit Refer to <a href="#">INL-44</a> .
Push-button ignition switch illumination does not illuminate.	<ul style="list-style-type: none"> <li>• Harness between BCM and push-button ignition switch</li> <li>• BCM</li> </ul>	Push-button ignition switch illumination circuit Refer to <a href="#">INL-46</a> .
Interior room lamp battery saver does not activate.	BCM	Replace BCM. Refer to <a href="#">BCS-90</a> .



# MAP LAMP

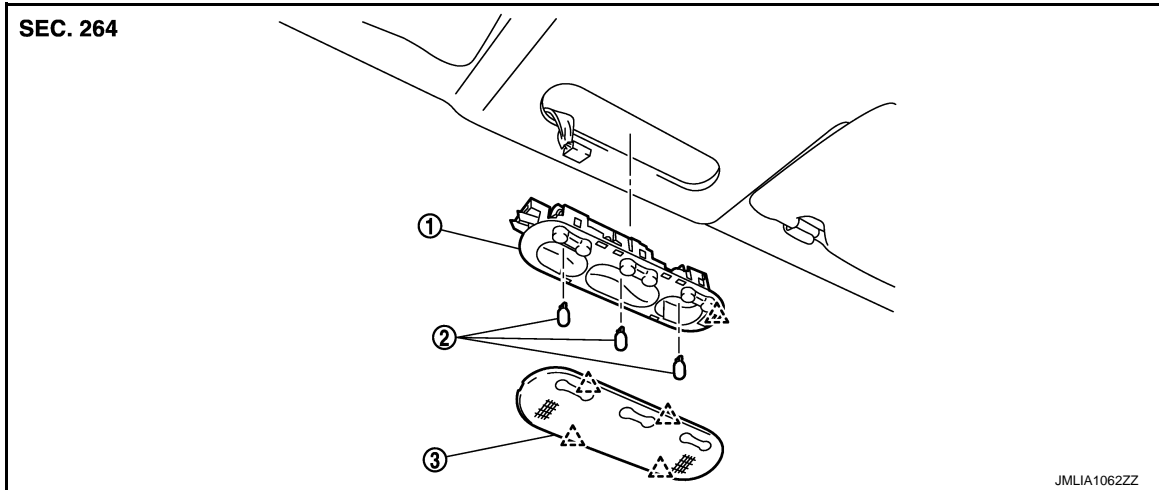
< REMOVAL AND INSTALLATION >

## REMOVAL AND INSTALLATION

### MAP LAMP

#### Exploded View

INFOID:000000009750808



1. Bulb housing

2. Bulb

3. Lens

△ : Pawl

#### Removal and Installation

INFOID:000000009750809

#### REMOVAL

##### CAUTION:

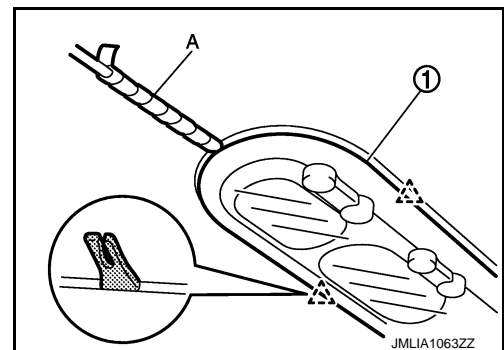
Disconnect the battery negative terminal or remove power circuit fuse when performing the operation for preventing electric leakage.

1. Disengage lens fixing pawls using a remover tool (A), and then remove lens (1).

##### CAUTION:

- Use a remover tool wrapped in tape.
- Insert a remover tool into the gap between bulb housing and lens.

△ : Pawl

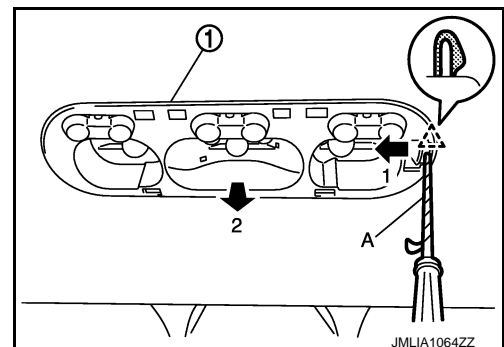


2. Disengage bulb housing (1) fixing pawl using a remover tool (A) according to numerical order 1→2 indicated by the arrows as shown in the figure.

##### CAUTION:

Use a remover tool wrapped in tape.

△ : Pawl



3. Disconnect map lamp harness connector, and then remove bulb housing.

# MAP LAMP

## < REMOVAL AND INSTALLATION >

### INSTALLATION

Install in the reverse order of removal.

### Replacement

INFOID:000000009750810

#### **CAUTION:**


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

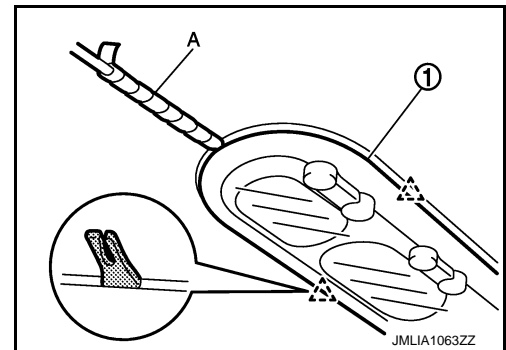
### MAP LAMP BULB

1. Disengage lens fixing pawls using a remover tool (A), and then remove lens (1).

#### **CAUTION:**

- Use a remover tool wrapped in tape.
- Insert a remover tool into the gap between bulb housing and lens.

 : Pawl



2. Remove bulb.

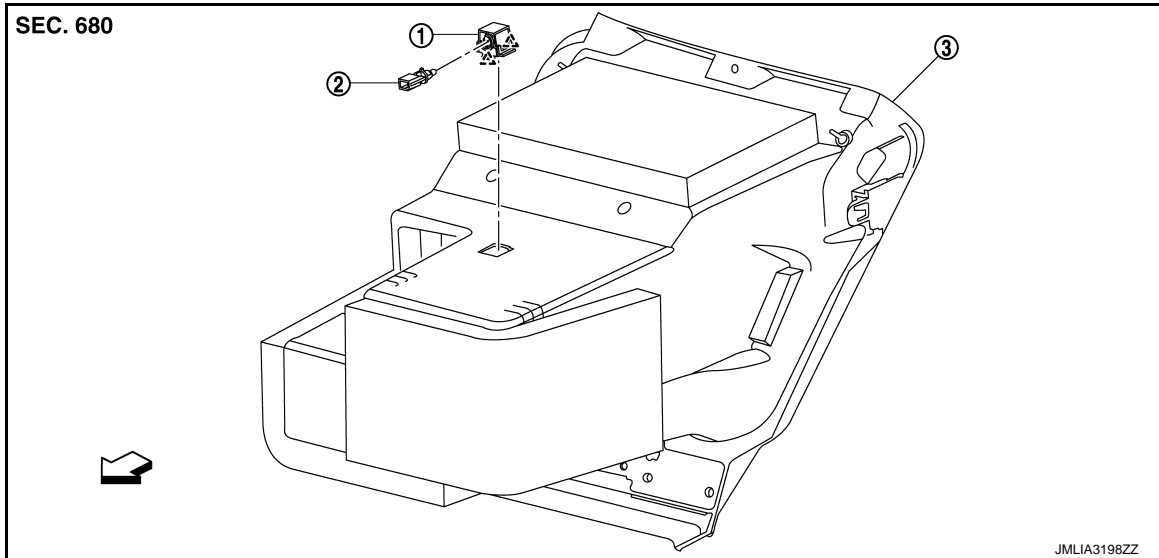
# GLOVE BOX LAMP

< REMOVAL AND INSTALLATION >

## GLOVE BOX LAMP

Exploded View


INFOID:000000009750811



1. Bulb housing

2. Bulb & socket assembly

3. Glove box assembly

 : Pawl

 : Vehicle front

## Removal and Installation

INFOID:000000009750812

## Replacement

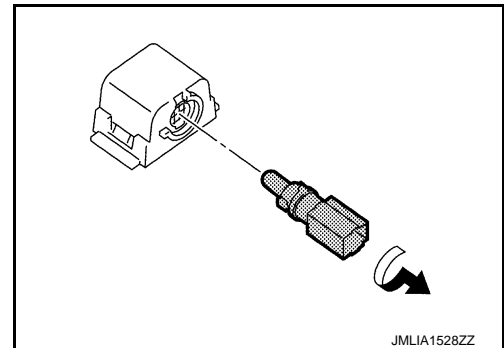
INFOID:000000009750813

### CAUTION:

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

### GLOVE BOX LAMP BULB

1. Remove glove box assembly. Refer to [IP-13, "Removal and Installation"](#).
2. Rotate the bulb & socket assembly counterclockwise and unlock it, and then remove bulb & socket assembly.



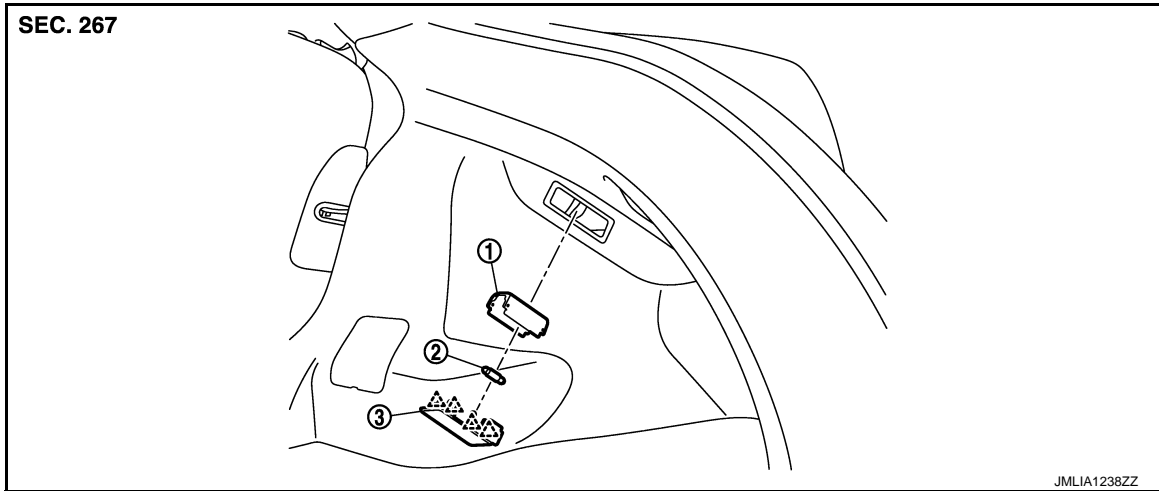
# LUGGAGE ROOM LAMP

< REMOVAL AND INSTALLATION >

## LUGGAGE ROOM LAMP

Exploded View


INFOID:000000009750814



1. Shade

2. Bulb

3. Lens

 : Pawl

## Removal and Installation

INFOID:000000009750815

### REMOVAL


#### CAUTION:

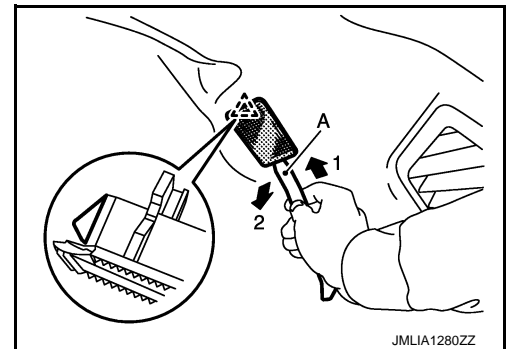
- Disconnect the battery negative terminal or remove power circuit fuse when performing the operation for preventing electric leakage.
- When removing, always use a remover tool that is made of plastic to prevent damage to the parts.

1. Disengage luggage room lamp fixing pawl using a remover tool (A) according to numerical order 1→2 indicated by the arrows as shown in the figure.

#### CAUTION:

Insert a remover tool into the gap between luggage room lamp and luggage side lower finisher RH.

 : Pawl



2. Disconnect luggage room lamp harness connector, and then remove luggage room lamp.

### INSTALLATION

Install in the reverse order of removal.

## Replacement

INFOID:000000009750816

#### CAUTION:

- Disconnect the battery negative terminal or remove power circuit fuse when performing the operation for preventing electric leakage.
- Never touch the glass surface of the bulb with bare hands or allow oil or grease to get on it for preventing damage to the bulb.
- The surface of the bulb is very hot just after the lamp is turned OFF. Never touch the glass surface of the bulb with bare hands for preventing 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 (due to dirt or clouding). Always prepare a new bulb and have it on hand when replacing the bulb.

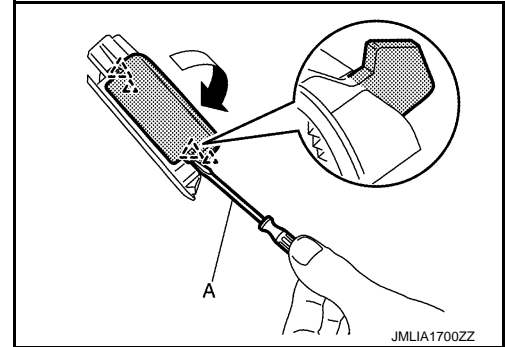
### LUGGAGE ROOM LAMP BULB

1. Remove luggage room lamp. Refer to [INL-52. "Removal and Installation"](#).
2. Disengage shade fixing pawls using a remover tool (A) according to the direction indicated by the arrow as shown in the figure.

**CAUTION:**

**Use remover tool wrapped in tape.**

 : Pawl



3. Remove shade, and then remove bulb.

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INL

## SERVICE DATA AND SPECIFICATIONS (SDS)

< SERVICE DATA AND SPECIFICATIONS (SDS)

## SERVICE DATA AND SPECIFICATIONS (SDS)

### SERVICE DATA AND SPECIFICATIONS (SDS)

#### Bulb Specifications

INFOID:000000009750817

Item	Type	Wattage (W)
Push-button ignition switch illumination*	LED	—
Map lamp	W5W	5
Glove box lamp	—	1.4
Luggage room lamp	—	5

\*: With Intelligent Key