

# SECTION **INL**

## 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"

INFOID:000000010306916

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

#### **WARNING:**

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

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

#### **WARNING:**

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

#### Precaution for Work

INFOID:000000010306969

- When removing or disassembling each component, be careful not to damage or deform it. If a component may be subject to interference, be sure to protect it with a shop cloth.
- When removing (disengaging) components with a screwdriver or similar tool, be sure to wrap the component with a shop cloth or vinyl tape to protect it.
- Protect the removed parts with a shop cloth and prevent them from being dropped.
- Replace a deformed or damaged clip.
- If a part is specified as a non-reusable part, always replace it with a new one.
- Be sure to tighten bolts and nuts securely to the specified torque.
- After installation is complete, be sure to check that each part works properly.
- Follow the steps below to clean components:
  - Water soluble dirt:
    - Dip a soft cloth into lukewarm water, wring the water out of the cloth and wipe the dirty area.
    - Then rub with a soft, dry cloth.
  - Oily dirt:
    - Dip a soft cloth into lukewarm water with mild detergent (concentration: within 2 to 3%) and wipe the dirty area.
    - Then dip a cloth into fresh water, wring the water out of the cloth and wipe the detergent off.
    - Then rub with a soft, dry cloth.
  - Do not use organic solvent such as thinner, benzene, alcohol or gasoline.
  - For genuine leather seats, use a genuine leather seat cleaner.

# PREPARATION

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## PREPARATION

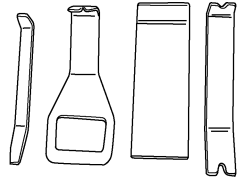
### PREPARATION

#### Special Service Tool

INFOID:000000010307029

The actual shape of the tools may differ from those illustrated here.

Tool number (TechMate No.) Tool name	Description
— (J-46534) Trim Tool Set	Removing trim components



AWJIA0483ZZ

# COMPONENT PARTS

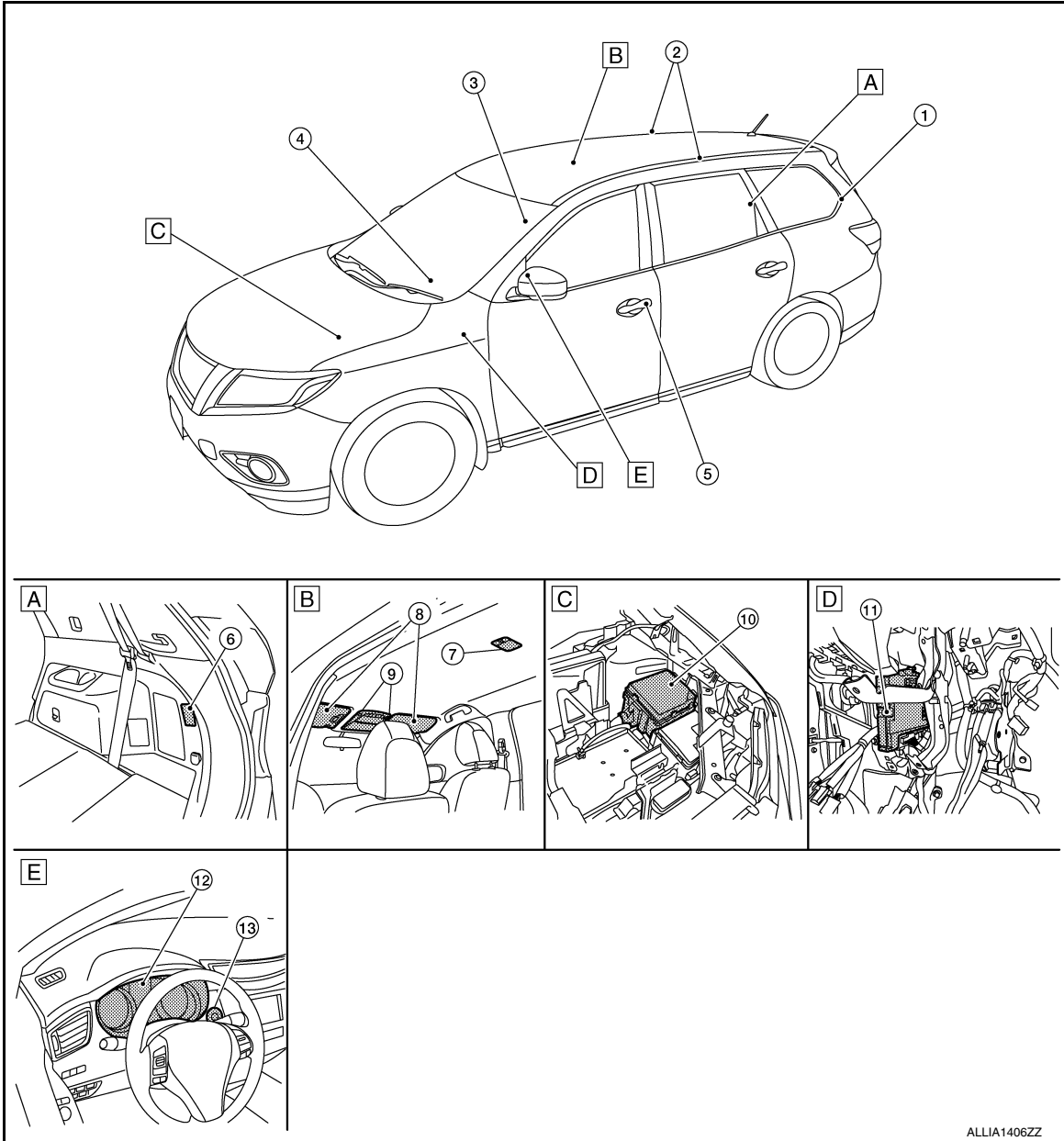
< SYSTEM DESCRIPTION >

## SYSTEM DESCRIPTION

### COMPONENT PARTS

#### Component Parts Location

INFOID:000000010346342



- A. Rear luggage area (RH)      B. Front headliner area      C. Engine compartment (LH)  
 D. Left side of instrument panel (view with finish panel removed)      E. Instrument panel (LH)

No.	Part	Description
1.	Back door lock assembly (back door switch)	Refer to <a href="#">DLK-21, "Back Door Lock Assembly"</a> .
2.	Personal lamps 2nd row	Refer to <a href="#">INL-63, "Bulb Specifications"</a> .
3.	Front door request switch (RH)	Refer to <a href="#">DLK-24, "Front Door Request Switch (RH)"</a> .
4.	Optical sensor	Refer to <a href="#">EXL-10, "Optical Sensor"</a> .

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## COMPONENT PARTS

### < SYSTEM DESCRIPTION >

No.	Part	Description
5.	Front door request switch (LH)	Refer to <a href="#">DLK-24, "Front Door Request Switch (LH)"</a> .
6.	Luggage room lamp	Refer to <a href="#">INL-63, "Bulb Specifications"</a> .
7.	Room lamp	Refer to <a href="#">INL-63, "Bulb Specifications"</a> .
8.	Vanity mirror lamps	Refer to <a href="#">INL-63, "Bulb Specifications"</a> .
9.	Map lamp assembly	Refer to <a href="#">INL-63, "Bulb Specifications"</a> .
10.	IPDM E/R	Controls audio unit and AV control unit illumination supply voltage according to the request signal from BCM (via CAN communication). Refer to <a href="#">PCS-4, "Component Parts Location"</a> for detailed installation location.
11.	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> <li>• Controls the room lamp relay according to the request signal from BCM (via CAN communication).</li> </ul> Refer to <a href="#">BCS-7, "BODY CONTROL SYSTEM : Component Parts Location"</a> (with Intelligent Key system) or <a href="#">BCS-79, "BODY CONTROL SYSTEM : Component Parts Location"</a> (without Intelligent Key system) for detailed installation location.

# SYSTEM

< SYSTEM DESCRIPTION >

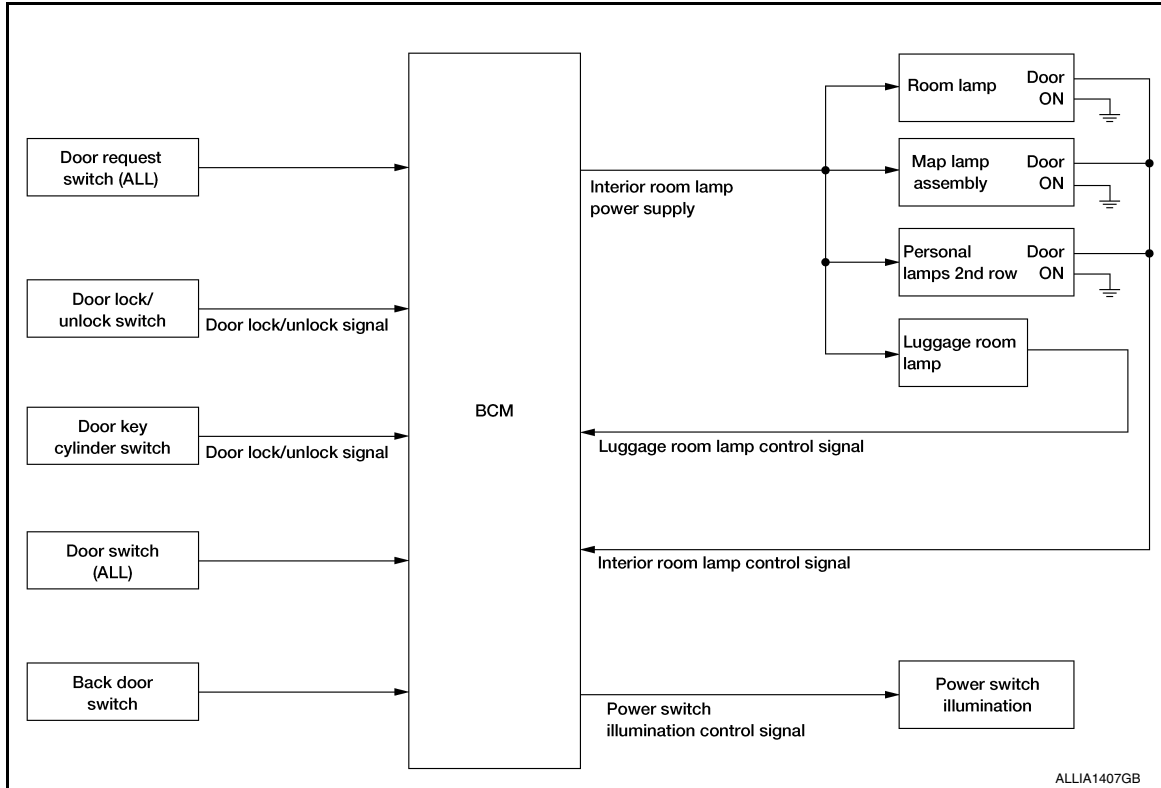
## SYSTEM

### INTERIOR ROOM LAMP CONTROL SYSTEM

### INTERIOR ROOM LAMP CONTROL SYSTEM : System Description

INFOID:000000010346343

#### SYSTEM DIAGRAM

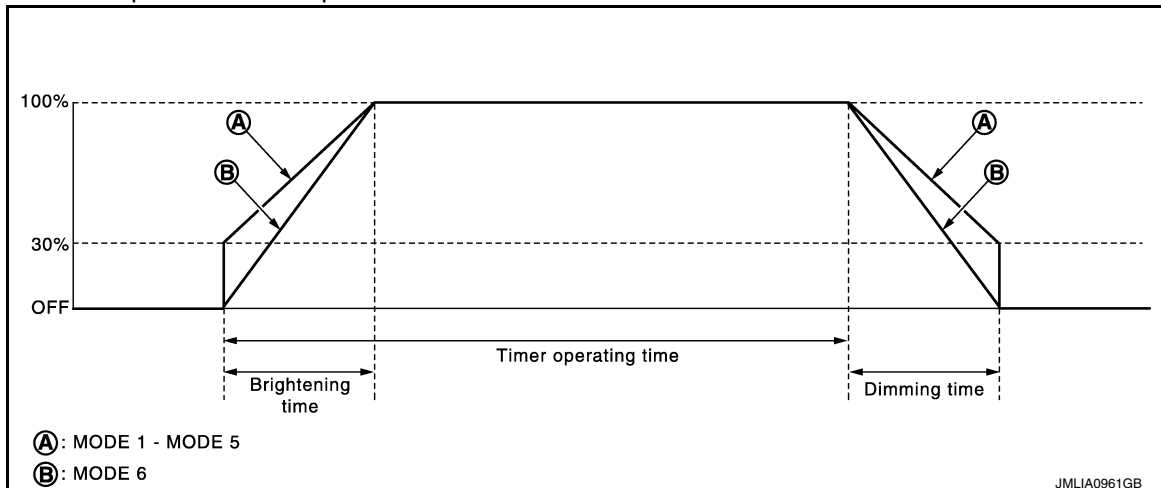


#### OUTLINE

- Interior room lamps\* are controlled by interior room lamp timer control function of BCM.
- \*: Map lamp and room lamp (when map lamp switch and room lamp switch are in DOOR position).
- Luggage room lamp is controlled by luggage room lamp control function of BCM.
- Power switch illumination is controlled by the power switch illumination control function of BCM.

#### INTERIOR ROOM LAMP TIMER CONTROL

##### Interior Room Lamp Timer Basic Operation



#### NOTE:

- A: Sets the interior room lamp gradual brightening and dimming time.
- B: Gradually dims from 100% to 0% and gradually brightens 0% to 100% in 1 second.

# SYSTEM

## < SYSTEM DESCRIPTION >

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

### NOTE:

Each function of interior room lamp timer can be set by CONSULT. Refer to [BCS-18. "INT LAMP : CONSULT Function \(BCM - INT LAMP\)"](#) (with Intelligent Key system) or [BCS-89. "INT LAMP : CONSULT Function \(BCM - INT LAMP\)"](#) (without Intelligent Key system).

### Interior Room Lamp ON Operation:

- BCM always turns the interior room lamp ON when any door opens.
- 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 changes from open to close
  - Power switch is turned ON → OFF
  - Door unlock signal is detected when all doors close

### 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
- Power switch is turned OFF → 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

## POWER SWITCH ILLUMINATION CONTROL

### Power Switch Illumination Basic Operation:

BCM provides the power supply to turn the power switch illumination ON.

### Power Switch Illumination ON Operation

BCM turns the power switch illumination ON in the following conditions.

- Power switch ON
- Any of the following conditions with power switch OFF:
  - Driver side door is LOCK → UNLOCK
  - Driver side door is open

### Power Switch Illumination OFF Operation

BCM turns the power switch illumination OFF in any of the following conditions:

- The push-button power switch illumination ON conditions are not satisfied.
- Any of the following conditions with power switch OFF:
  - The power switch illumination ON conditions do not change (15 seconds after the power switch OFF)
  - Driver side door is UNLOCK → LOCK

## INTERIOR ROOM LAMP BATTERY SAVER SYSTEM



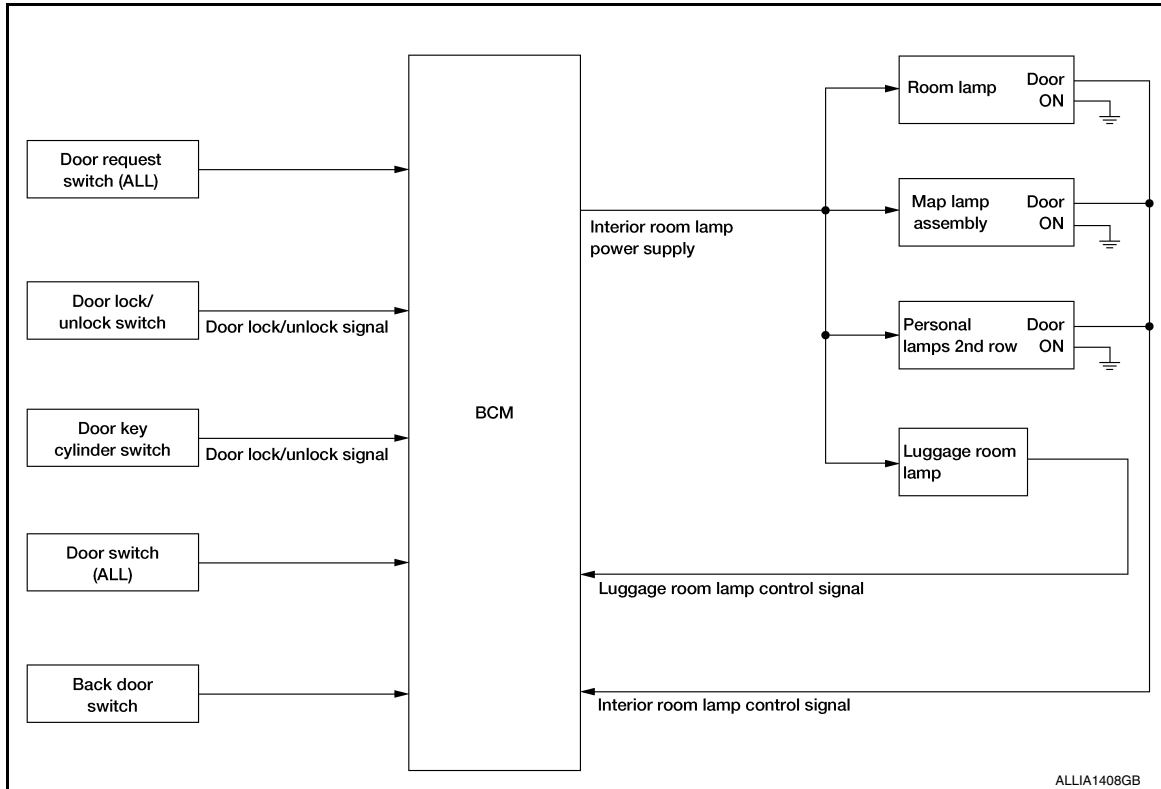
# SYSTEM

< SYSTEM DESCRIPTION >

## INTERIOR ROOM LAMP BATTERY SAVER SYSTEM : System Description

INFOID:0000000010346344

### SYSTEM DIAGRAM



### OUTLINE

- Interior room lamp battery saver is controlled by BCM.
- BCM turns applicable lamps OFF depending on the vehicle condition. This function prevents the 12V battery from over-discharging if the driver neglects turning OFF the lamps.

#### Applicable lamps:

- Map lamp
- Room lamp
- Luggage room lamp
- Personal lamps 2nd row (if equipped)

### INTERIOR ROOM LAMP BATTERY SAVER FUNCTION

- When the power 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:
  - Power 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 power switch position is ON.

#### NOTE:

Each function of interior room lamp battery saver can be set by CONSULT. Refer to [BCS-18, "INT LAMP : CONSULT Function \(BCM - INT LAMP\)"](#) (with intelligent Key system) or [BCS-89, "INT LAMP : CONSULT Function \(BCM - INT LAMP\)"](#) (without Intelligent Key system).

### ILLUMINATION CONTROL SYSTEM

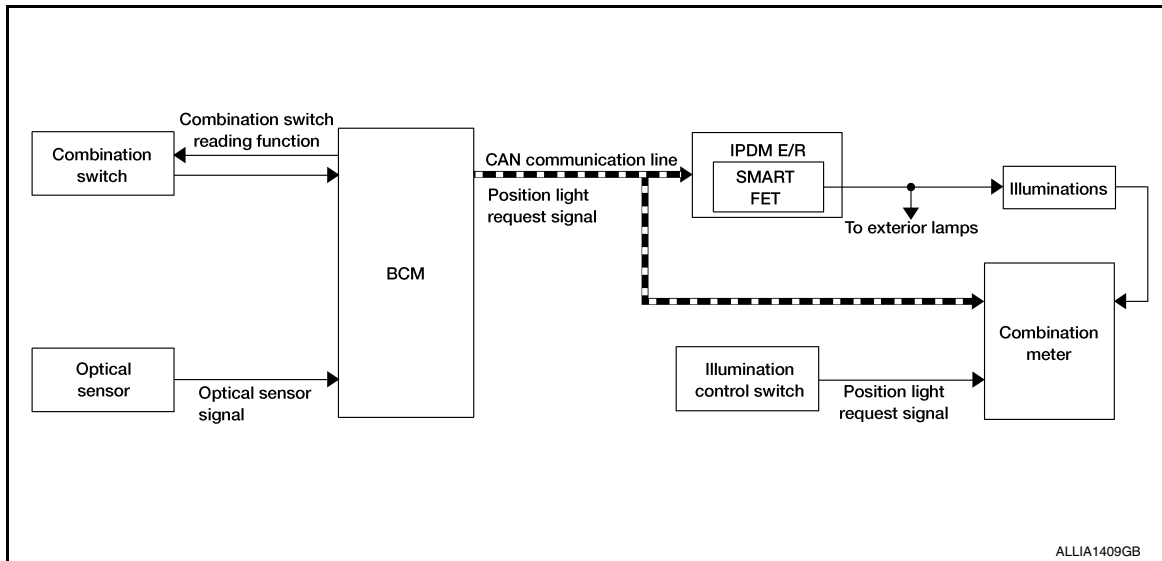
# SYSTEM

< SYSTEM DESCRIPTION >

## ILLUMINATION CONTROL SYSTEM : System Description

INFOID:000000010346345

### SYSTEM DIAGRAM



### OUTLINE

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

Controlled by BCM:

- Combination switch reading function
- Headlamp control function

Controlled by IPDM E/R:

- Smart FET control function

Controlled by combination meter:

- Meter illumination control function

### 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 power switch ON
- IPDM E/R turns each illumination lamp 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.

### AUTO LIGHT ADJUSTMENT SYSTEM

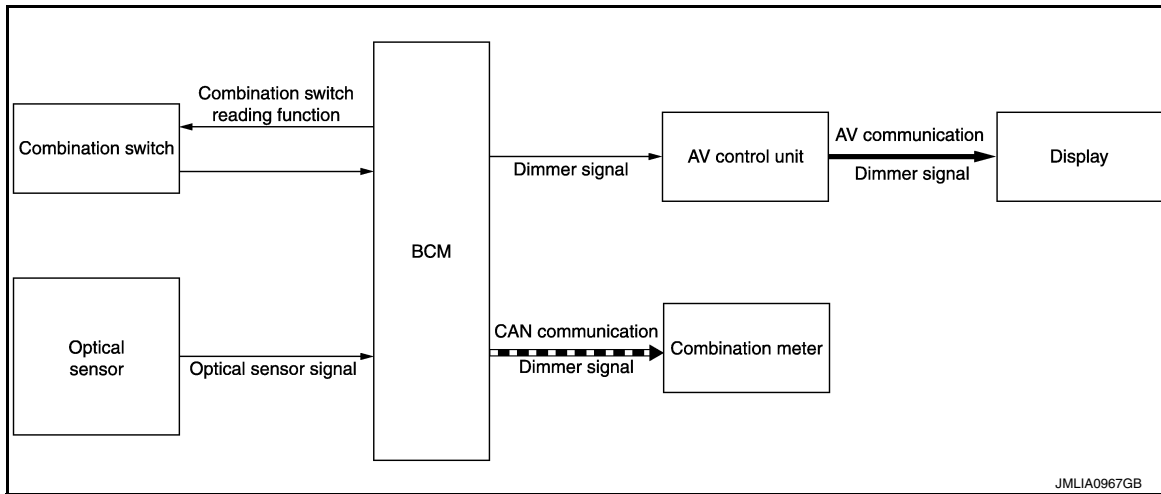
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< SYSTEM DESCRIPTION >

## AUTO LIGHT ADJUSTMENT SYSTEM : System Description

INFOID:000000010346346

### SYSTEM DIAGRAM



### OUTLINE

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

Controlled by BCM:

- Auto light system
- Auto light adjustment system

### AUTO LIGHT ADJUSTMENT SYSTEM

Description

- BCM supplies voltage to the optical sensor when the power switch is turned ON.
- 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 power switch is ON.
- BCM transmits dimmer signal to combination meter via CAN communication, according to auto light adjustment conditions. 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 [BCS-19. "HEADLAMP : CONSULT Function \(BCM - HEADLAMP\)"](#) (with Intelligent Key system) or [BCS-90. "HEADLAMP : CONSULT Function \(BCM - HEADLAMP\)"](#) (without Intelligent Key system).

# 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:000000010346385

### APPLICATION ITEM

CONSULT performs the following functions via CAN communication with BCM.

Direct Diagnostic Mode	Description
Ecu Identification	The BCM part number is displayed.
Self Diagnostic Result	The BCM self diagnostic results are displayed.
Data Monitor	The BCM input/output data is displayed in real time.
Active Test	The BCM activates outputs to test components.
Work support	The settings for BCM functions can be changed.
Configuration	<ul style="list-style-type: none"> <li>The vehicle specification can be read and saved.</li> <li>The vehicle specification can be written when replacing BCM.</li> </ul>
CAN Diag Support Mntr	The result of transmit/receive diagnosis of CAN communication is displayed.

### SYSTEM APPLICATION

BCM can perform the following functions.

System	Sub System	Direct Diagnostic Mode						
		Ecu Identification	Self Diagnostic Result	Data Monitor	Active Test	Work support	Configuration	CAN Diag Support Mntr
Door lock	DOOR LOCK		×	×	×	×		
Rear window defogger	REAR DEFOGGER			×	×	×		
Warning chime	BUZZER			×	×			
Interior room lamp timer	INT LAMP			×	×	×		
Exterior lamp	HEADLAMP			×	×	×		
Wiper and washer	WIPER			×	×	×		
Turn signal and hazard warning lamps	FLASHER			×	×			
Intelligent Key system	INTELLIGENT KEY		×	×	×	×		
Combination switch	COMB SW			×				
BCM	BCM	×	×			×	×	×
Immobilizer	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		×	×	×	×		

### INT LAMP

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

< SYSTEM DESCRIPTION >

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

INFOID:000000010346386

### DATA MONITOR

Monitor Item [Unit]	Description
REQ SW -DR [On/Off]	Indicates condition of door request switch LH.
REQ SW -AS [On/Off]	Indicates condition of door request switch RH.
PUSH -SW [On/Off]	Indicates condition of push-button ignition switch.
DOOR SW-DR [On/Off]	Indicates condition of front door switch LH.
DOOR SW-AS [On/Off]	Indicates condition of front door switch RH.
DOOR SW-RR [On/Off]	Indicates condition of rear door switch RH.
DOOR SW-RL [On/Off]	Indicates condition of rear door switch LH.
DOOR SW-BK [On/Off]	Indicates condition of back door switch.
CDL LOCK SW [On/Off]	Indicates condition of lock signal from door lock and unlock switch.
CDL UNLOCK SW [On/Off]	Indicates condition of unlock signal from door lock and unlock switch.
KEY CYL LK-SW [On/Off]	Indicates condition of lock signal from door key cylinder switch.
KEY CYL UN-SW [On/Off]	Indicates condition of unlock signal from door key cylinder switch.
RKE-LOCK [On/Off]	Indicates condition of lock signal from Intelligent Key.
RKE-UNLOCK [On/Off]	Indicates condition of unlock signal from Intelligent Key.

### ACTIVE TEST

Test Item	Description
INT LAMP	This test is able to check interior room lamp operation [On/Off].

### WORK SUPPORT

Support Item	Setting	Description
SET I/L D-UNLCK INTCON	On	Interior room lamp timer function ON.
	Off*	Interior room lamp timer function OFF.

\*: Initial setting

## BATTERY SAVER

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

INFOID:000000010346387

### DATA MONITOR

Monitor Item [Unit]	Description
REQ SW -DR [On/Off]	Indicates condition of door request switch LH.
REQ SW -AS [On/Off]	Indicates condition of door request switch RH.
PUSH SW [On/Off]	Indicates condition push-button ignition switch.
DOOR SW-DR [On/Off]	Indicates condition of front door switch LH.
DOOR SW-AS [On/Off]	Indicates condition of front door switch RH.
DOOR SW-RR [On/Off]	Indicates condition of rear door switch RH.
DOOR SW-RL [On/Off]	Indicates condition of rear door switch LH.
DOOR SW-BK [On/Off]	Indicates condition of back door switch.
CDL LOCK SW [On/Off]	Indicates condition of lock signal from door lock and unlock switch.
CDL UNLOCK SW [On/Off]	Indicates condition of unlock signal from door lock and unlock switch.
KEY CYL LK-SW [On/Off]	Indicates condition of lock signal from door key cylinder switch.

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

### < SYSTEM DESCRIPTION >

Monitor Item [Unit]	Description
KEY CYL UN-SW [On/Off]	Indicates condition of unlock signal from door key cylinder switch.
RKE-LOCK [On/Off]	Indicates condition of lock signal from Intelligent Key.
RKE-UNLOCK [On/Off]	Indicates condition of unlock signal from Intelligent Key.

### ACTIVE TEST

Test item	Description
BATTERY SAVER	This test is able to check battery saver operation [On/Off].

# 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:0000000010346388

### APPLICATION ITEM

CONSULT performs the following functions via CAN communication with BCM.

Direct Diagnostic Mode	Description
Ecu Identification	The BCM part number is displayed.
Self Diagnostic Result	The BCM self diagnostic results are displayed.
Data Monitor	The BCM input/output data is displayed in real time.
Active Test	The BCM activates outputs to test components.
Work support	The settings for BCM functions can be changed.
Configuration	<ul style="list-style-type: none"> <li>The vehicle specification can be read and saved.</li> <li>The vehicle specification can be written when replacing BCM.</li> </ul>
CAN Diag Support Mntr	The result of transmit/receive diagnosis of CAN communication is displayed.

### SYSTEM APPLICATION

BCM can perform the following functions.

System	Sub System	Direct Diagnostic Mode						
		Ecu Identification	Self Diagnostic Result	Data Monitor	Active Test	Work support	Configuration	CAN Diag Support Mntr
Door lock	DOOR LOCK			x	x	x		
Rear window defogger	REAR DEFOGGER			x	x	x		
Warning chime	BUZZER			x	x			
Interior room lamp timer	INT LAMP			x	x	x		
Remote keyless entry system	MULTI REMOTE ENT					x		
Exterior lamp	HEADLAMP			x	x			
Wiper and washer	WIPER			x	x	x		
Turn signal and hazard warning lamps	FLASHER			x	x			
Combination switch	COMB SW			x				
BCM	BCM	x	x			x	x	x
Immobilizer	IMMU		x		x			
Interior room lamp battery saver	BATTERY SAVER			x	x			
Back door open	TRUNK			x				
Vehicle security system	THEFT ALM			x	x	x		
RAP system	RETAINED PWR			x				
TPMS	AIR PRESSURE MONITOR		x	x	x	x		

### INT LAMP

INT LAMP : CONSULT Function (BCM - INT LAMP)

INFOID:0000000010346389

### DATA MONITOR

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

## < SYSTEM DESCRIPTION >

Monitor Item [Unit]	Description
DOOR SW-DR [On/Off]	Indicates condition of front door switch LH.
DOOR SW-AS [On/Off]	Indicates condition of front door switch RH.
DOOR SW-RR [On/Off]	Indicates condition of rear door switch RH.
DOOR SW-RL [On/Off]	Indicates condition of rear door switch LH.
DOOR SW-BK [On/Off]	Indicates condition of back door switch.
CDL LOCK SW [On/Off]	Indicates condition of lock signal from door lock and unlock switch.
CDL UNLOCK SW [On/Off]	Indicates condition of unlock signal from door lock and unlock switch.
KEY CYL LK-SW [On/Off]	Indicates condition of lock signal from door key cylinder switch.
KEY CYL UN-SW [On/Off]	Indicates condition of unlock signal from door key cylinder switch.
RKE-LOCK [On/Off]	Indicates condition of lock signal from Intelligent Key.
RKE-UNLOCK [On/Off]	Indicates condition of unlock signal from Intelligent Key.

## ACTIVE TEST

Test Item	Description
INT LAMP	This test is able to check interior room lamp operation [On/Off].

## WORK SUPPORT

Support Item	Setting	Description
SET I/L D-UNLCK INTCON	On	Interior room lamp timer function ON.
	Off*	Interior room lamp timer function OFF.

\*: Initial setting

## BATTERY SAVER

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

INFOID:0000000010346390

## DATA MONITOR

Monitor Item [Unit]	Description
DOOR SW-DR [On/Off]	Indicates condition of front door switch LH.
DOOR SW-AS [On/Off]	Indicates condition of front door switch RH.
DOOR SW-RR [On/Off]	Indicates condition of rear door switch RH.
DOOR SW-RL [On/Off]	Indicates condition of rear door switch LH.
DOOR SW-BK [On/Off]	Indicates condition of back door switch.
CDL LOCK SW [On/Off]	Indicates condition of lock signal from door lock and unlock switch.
CDL UNLOCK SW [On/Off]	Indicates condition of unlock signal from door lock and unlock switch.
KEY CYL LK-SW [On/Off]	Indicates condition of lock signal from door key cylinder switch.
KEY CYL UN-SW [On/Off]	Indicates condition of unlock signal from door key cylinder switch.
RKE-LOCK [On/Off]	Indicates condition of lock signal from Intelligent Key.
RKE-UNLOCK [On/Off]	Indicates condition of unlock signal from Intelligent Key.

## ACTIVE TEST

Test item	Description
BATTERY SAVER	This test is able to check battery saver operation [On/Off].



# BCM

< ECU DIAGNOSIS INFORMATION >

## ECU DIAGNOSIS INFORMATION

### BCM

#### List of ECU Reference

INFOID:0000000010346350

ECU	Reference
BCM (with Intelligent Key system)	<a href="#">BCS-28, "Reference Value"</a>
	<a href="#">BCS-47, "Fail Safe"</a>
	<a href="#">BCS-47, "DTC Inspection Priority Chart"</a>
	<a href="#">BCS-48, "DTC Index"</a>
BCM (without Intelligent Key system)	<a href="#">BCS-96, "Reference Value"</a>
	<a href="#">BCS-107, "Fail Safe"</a>
	<a href="#">BCS-107, "DTC Inspection Priority Chart"</a>
	<a href="#">BCS-108, "DTC Index"</a>

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# INTERIOR ROOM LAMP CONTROL SYSTEM

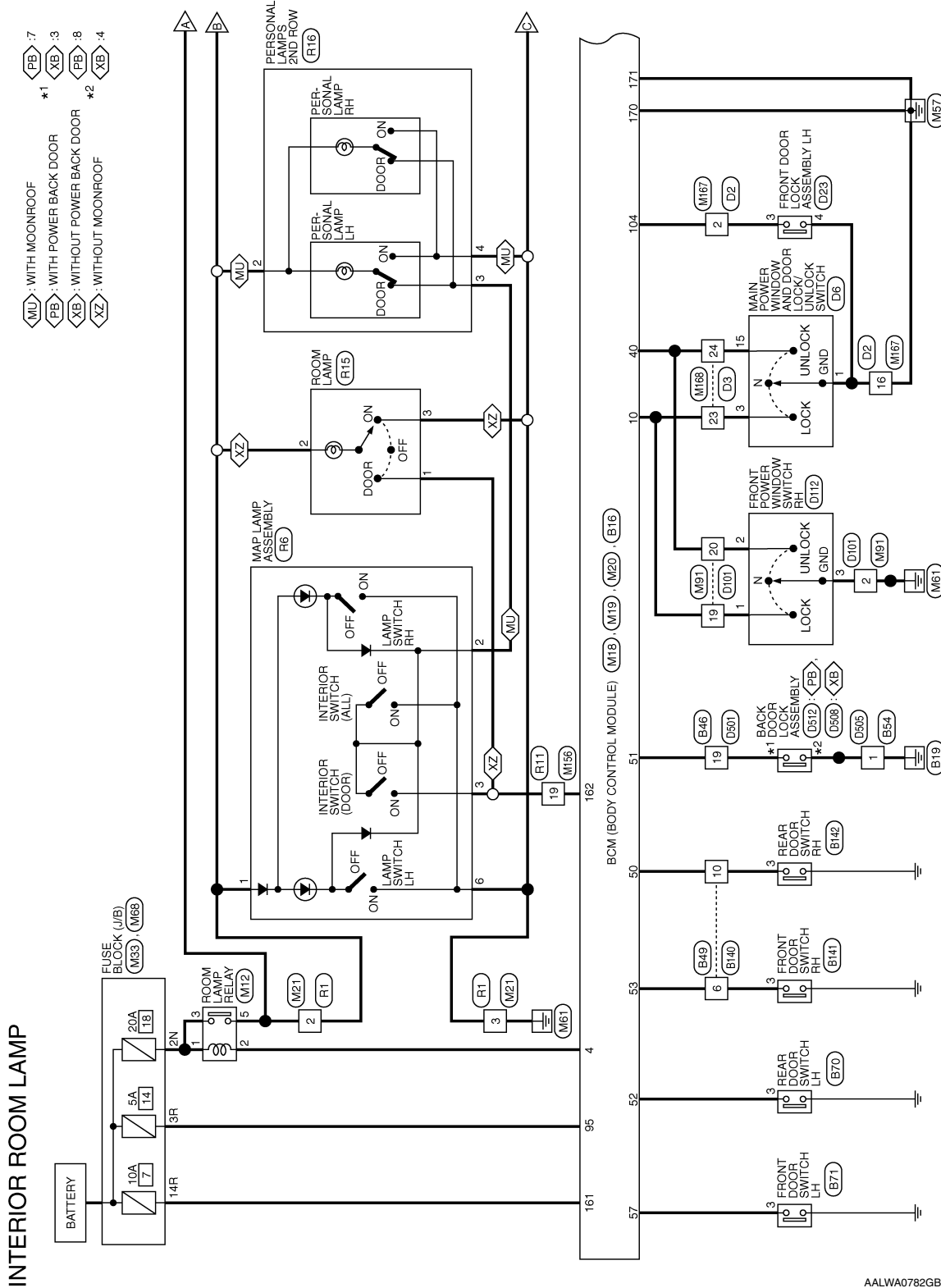
< WIRING DIAGRAM >

## WIRING DIAGRAM

### INTERIOR ROOM LAMP CONTROL SYSTEM

#### Wiring Diagram

INFOID:000000010346351

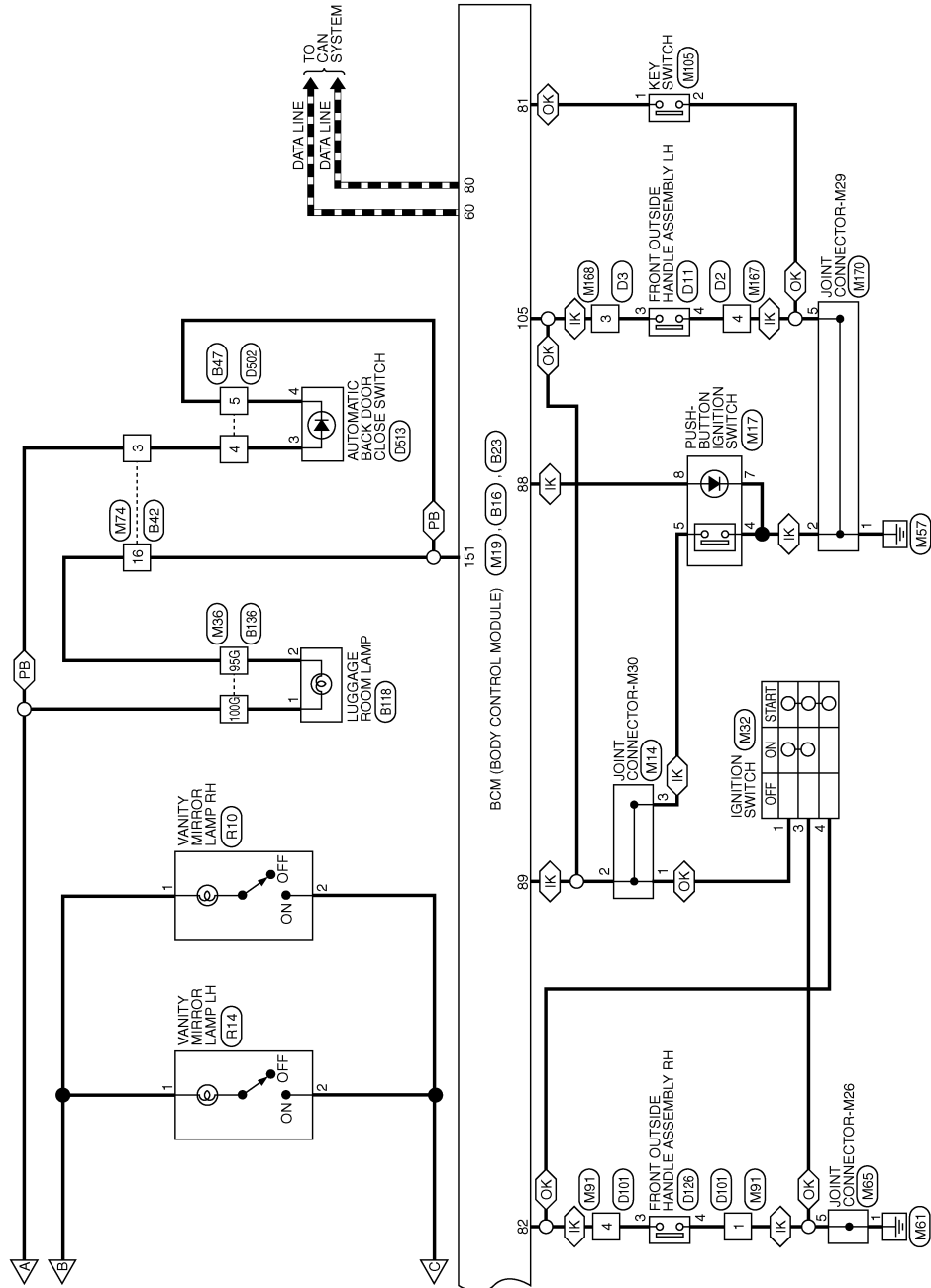


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# INTERIOR ROOM LAMP CONTROL SYSTEM

< WIRING DIAGRAM >

- WITH INTELLIGENT KEY SYSTEM
- WITHOUT INTELLIGENT KEY SYSTEM
- WITH POWER BACK DOOR



AALWA0783GB

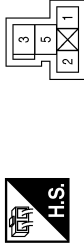
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# INTERIOR ROOM LAMP CONTROL SYSTEM

< WIRING DIAGRAM >

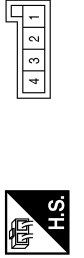
## INTERIOR ROOM LAMP CONNECTORS

Connector No.	M12
Connector Name	ROOM LAMP RELAY
Connector Color	BLUE



Terminal No.	Color of Wire	Signal Name
1	LG	-
2	P	-
3	LG	-
5	V	-

Connector No.	M14
Connector Name	JOINT CONNECTOR-M30
Connector Color	WHITE



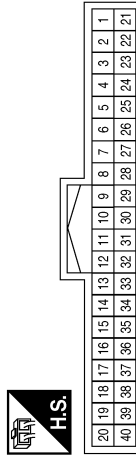
Terminal No.	Color of Wire	Signal Name
1	Y	-
2	Y	-
3	Y	-

Connector No.	M17
Connector Name	PUSH-BUTTON IGNITION SWITCH
Connector Color	WHITE



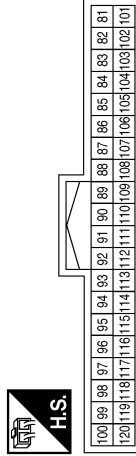
Terminal No.	Color of Wire	Signal Name
4	B	-
5	Y	-
7	B	-
8	W	-

Connector No.	M18
Connector Name	BCM (BODY CONTROL MODULE)
Connector Color	GRAY



Terminal No.	Color of Wire	Signal Name
4	P	O SPARE4 RL N
10	BG	I DOORLOCK SW
40	SB	I DOORUNLOCK SW

Connector No.	M19
Connector Name	BCM (BODY CONTROL MODULE)
Connector Color	BLACK



Terminal No.	Color of Wire	Signal Name
81	L	I KEY SW
82	LAVR	I STARTER SW (WITHOUT INTELLIGENT KEY SYSTEM)
82	W	I SES FR HANDLE BUTTON SW (WITH INTELLIGENT KEY SYSTEM)
88	W	O START SW BACKLIGHT LED

Terminal No.	Color of Wire	Signal Name
89	Y	I START WO ECSL SW
95	V	I SHORTING PIN
104	R	I DR KNOB SW
105	Y	I IGN SW (WITHOUT INTELLIGENT KEY SYSTEM)
105	Y	I SES DR HANDLE BUTTON SW (WITH INTELLIGENT KEY SYSTEM)

# INTERIOR ROOM LAMP CONTROL SYSTEM

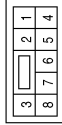
< WIRING DIAGRAM >

Connector No.	M20
Connector Name	BCM (BODY CONTROL MODULE)
Connector Color	BROWN



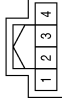
Terminal No.	Color of Wire	Signal Name
161	W	I PWR ECU
162	SB	O PWM ROOMLAMP 1
170	B	I GND1
171	B	I GND2

Connector No.	M21
Connector Name	WIRE TO WIRE
Connector Color	WHITE



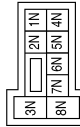
Terminal No.	Color of Wire	Signal Name
2	V	-
3	B	-

Connector No.	M32
Connector Name	IGNITION SWITCH
Connector Color	WHITE



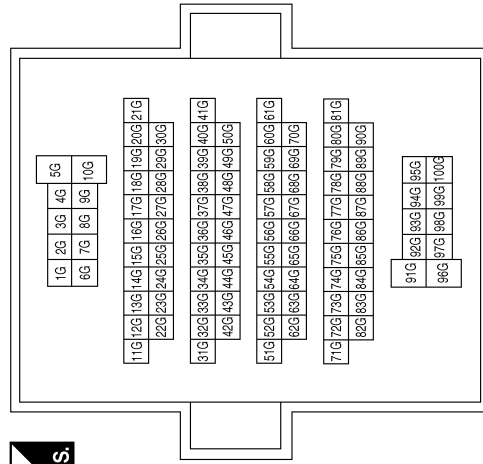
Terminal No.	Color of Wire	Signal Name
1	Y	-
3	B	-
4	LA/R	-

Connector No.	M33
Connector Name	FUSE BLOCK (J/B)
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
2N	LG	-

Connector No.	M36
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
95G	GR	-
100G	V	-

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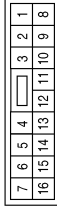
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# INTERIOR ROOM LAMP CONTROL SYSTEM

< WIRING DIAGRAM >

Connector No.	M74
Connector Name	WIRE TO WIRE
Connector Color	WHITE



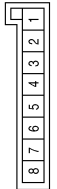
Terminal No.	Color of Wire	Signal Name
3	V	-
16	GR	-

Connector No.	M68
Connector Name	FUSE BLOCK (J/B)
Connector Color	BROWN



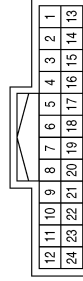
Terminal No.	Color of Wire	Signal Name
3R	V	-
14R	W	-

Connector No.	M65
Connector Name	JOINT CONNECTOR-M26
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
1	B	-
5	B	-

Connector No.	M156
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
19	SB	-

Connector No.	M105
Connector Name	KEY SWITCH
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
1	L	-
2	B	-

Connector No.	M91
Connector Name	WIRE TO WIRE
Connector Color	WHITE



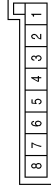
Terminal No.	Color of Wire	Signal Name
1	B	-
2	GR	-
4	W	-
19	LG	-
20	BR	-

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# INTERIOR ROOM LAMP CONTROL SYSTEM

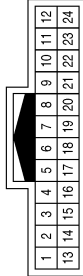
< WIRING DIAGRAM >

Connector No.	M170
Connector Name	JOINT CONNECTOR-M29
Connector Color	WHITE



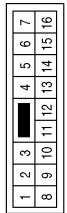
Terminal No.	Color of Wire	Signal Name
1	B	-
2	B	-
5	B	-

Connector No.	M168
Connector Name	WIRE TO WIRE
Connector Color	WHITE



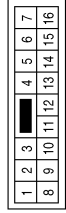
Terminal No.	Color of Wire	Signal Name
3	Y	-
23	BG	-
24	SB	-

Connector No.	M167
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
2	R	-
4	B	-
16	B	-

Connector No.	B42
Connector Name	WIRE TO WIRE
Connector Color	WHITE



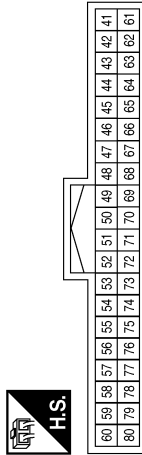
Terminal No.	Color of Wire	Signal Name
3	V	-
16	R	-

Connector No.	B23
Connector Name	BCM (BODY CONTROL MODULE)
Connector Color	GRAY



Terminal No.	Color of Wire	Signal Name
151	R	O PWM ROOMLAMP 5

Connector No.	B16
Connector Name	BCM (BODY CONTROL MODULE)
Connector Color	GREEN



Terminal No.	Color of Wire	Signal Name
50	W	I RR DOOR SW
51	LG	I TGATE SW
52	R	I RL DOOR SW
53	SB	I AS DOOR2 SW
57	SB	I DR DOOR2 SW
60	L	CAN-H
80	P	CAN-L

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# INTERIOR ROOM LAMP CONTROL SYSTEM

< WIRING DIAGRAM >


Connector No.	B49
Connector Name	WIRE TO WIRE
Connector Color	WHITE



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

Terminal No.	Color of Wire	Signal Name
6	SB	-
10	W	-


Connector No.	B47
Connector Name	WIRE TO WIRE
Connector Color	WHITE



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

Terminal No.	Color of Wire	Signal Name
4	V	-
5	W	-


Connector No.	B46
Connector Name	WIRE TO WIRE
Connector Color	WHITE



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

Terminal No.	Color of Wire	Signal Name
19	LG	-

Connector No.	B71
Connector Name	FRONT DOOR SWITCH LH
Connector Color	WHITE



1	2	3	4
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Terminal No.	Color of Wire	Signal Name
3	SB	-

Connector No.	B70
Connector Name	REAR DOOR SWITCH LH
Connector Color	WHITE



1	2	3	4
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Terminal No.	Color of Wire	Signal Name
3	R	-

Connector No.	B54
Connector Name	WIRE TO WIRE
Connector Color	WHITE



1	2
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Terminal No.	Color of Wire	Signal Name
1	B	-

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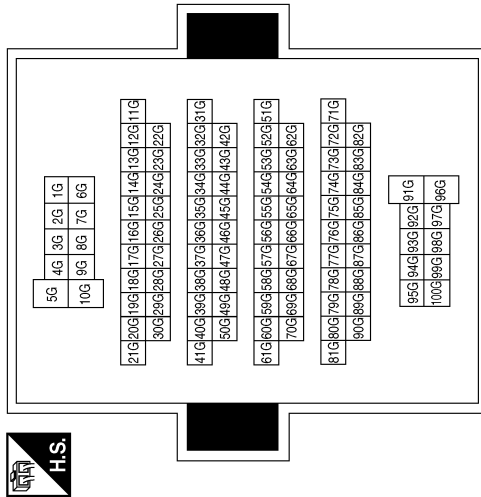


# INTERIOR ROOM LAMP CONTROL SYSTEM

< WIRING DIAGRAM >

Terminal No.	Color of Wire	Signal Name
95G	V	-
100G	Y	-

Connector No.	B136
Connector Name	WIRE TO WIRE
Connector Color	WHITE

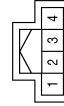


Connector No.	B118
Connector Name	LUGGAGE ROOM LAMP
Connector Color	WHITE



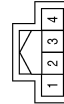
Terminal No.	Color of Wire	Signal Name
1	Y	-
2	V	-

Connector No.	B142
Connector Name	REAR DOOR SWITCH RH
Connector Color	WHITE



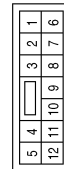
Terminal No.	Color of Wire	Signal Name
3	W	-

Connector No.	B141
Connector Name	FRONT DOOR SWITCH RH
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
3	GR	-

Connector No.	B140
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
6	GR	-
10	W	-

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# INTERIOR ROOM LAMP CONTROL SYSTEM

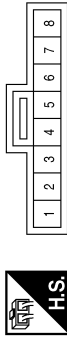
< WIRING DIAGRAM >

Connector No.	R10
Connector Name	VANITY MIRROR LAMP RH
Connector Color	WHITE



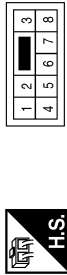
Terminal No.	Color of Wire	Signal Name
1	P	-
2	B	-

Connector No.	R6
Connector Name	MAP LAMP ASSEMBLY
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
1	P	-
2	SB	-
3	SB	-
6	B	-

Connector No.	R1
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
2	P	-
3	B	-

Connector No.	R15
Connector Name	ROOM LAMP
Connector Color	WHITE



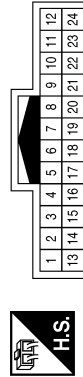
Terminal No.	Color of Wire	Signal Name
1	SB	-
2	P	-
3	B	-

Connector No.	R14
Connector Name	VANITY MIRROR LAMP LH
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
1	P	-
2	B	-

Connector No.	R11
Connector Name	WIRE TO WIRE
Connector Color	WHITE



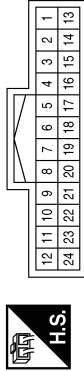
Terminal No.	Color of Wire	Signal Name
19	SB	-

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# INTERIOR ROOM LAMP CONTROL SYSTEM

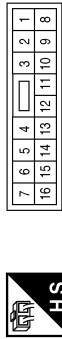
< WIRING DIAGRAM >

Connector No.	D3
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
3	W	-
23	L	-
24	BG	-

Connector No.	D2
Connector Name	WIRE TO WIRE
Connector Color	WHITE



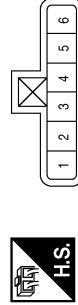
Terminal No.	Color of Wire	Signal Name
2	R	-
4	B	-
16	B	-

Connector No.	R16
Connector Name	PERSONAL LAMPS 2ND ROW
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
2	P	-
3	SB	-
4	B	-

Connector No.	D23
Connector Name	FRONT DOOR LOCK ASSEMBLY LH
Connector Color	GRAY



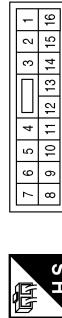
Terminal No.	Color of Wire	Signal Name
3	R	-
4	B	-

Connector No.	D11
Connector Name	FRONT OUTSIDE HANDLE ASSEMBLY LH
Connector Color	BLACK



Terminal No.	Color of Wire	Signal Name
3	W	-
4	B	-

Connector No.	D6
Connector Name	MAIN POWER WINDOW AND DOOR LOCK/UNLOCK SWITCH
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
1	B	-
3	L	-
15	BG	-

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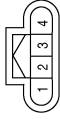
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# INTERIOR ROOM LAMP CONTROL SYSTEM

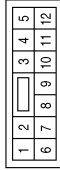
< WIRING DIAGRAM >

Connector No.	D126
Connector Name	FRONT OUTSIDE HANDLE ASSEMBLY RH
Connector Color	BLACK



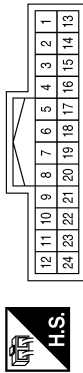
Terminal No.	Color of Wire	Signal Name
3	P	-
4	B	-

Connector No.	D112
Connector Name	FRONT POWER WINDOW SWITCH RH
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
1	LG	-
2	BR	-
3	B	-

Connector No.	D101
Connector Name	WIRE TO WIRE
Connector Color	WHITE



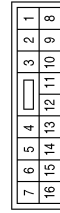
Terminal No.	Color of Wire	Signal Name
1	B	-
2	B	-
4	P	-
19	LG	-
20	BR	-

Connector No.	D505
Connector Name	WIRE TO WIRE
Connector Color	WHITE



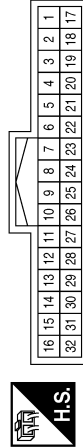
Terminal No.	Color of Wire	Signal Name
1	B	-

Connector No.	D502
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
4	R	-
5	W	-

Connector No.	D501
Connector Name	WIRE TO WIRE
Connector Color	WHITE



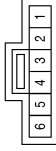
Terminal No.	Color of Wire	Signal Name
19	W	-

AALIA2192GB

# INTERIOR ROOM LAMP CONTROL SYSTEM

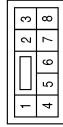
< WIRING DIAGRAM >

Connector No.	D513
Connector Name	AUTOMATIC BACK DOOR CLOSE SWITCH
Connector Color	GRAY



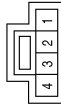
Terminal No.	Color of Wire	Signal Name
3	R	-
4	W	-

Connector No.	D512
Connector Name	BACK DOOR LOCK ASSEMBLY (WITH POWER BACK DOOR SYSTEM)
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
7	W	-
8	B	-

Connector No.	D508
Connector Name	BACK DOOR LOCK ASSEMBLY (WITHOUT POWER BACK DOOR SYSTEM)
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
3	W	-
4	GR	-

A  
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INL  
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P

AALIA2193GB

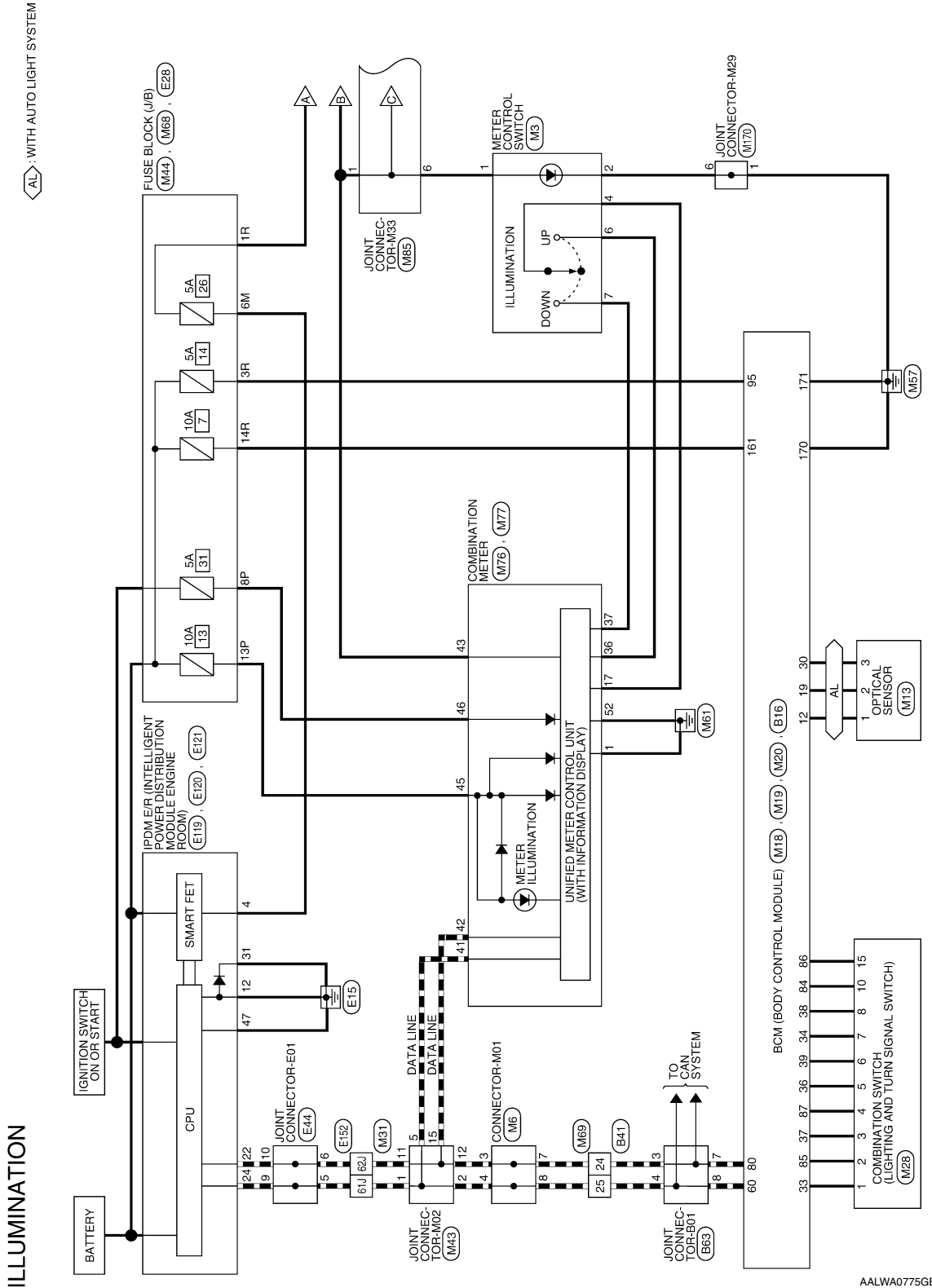
# ILLUMINATION

< WIRING DIAGRAM >

## ILLUMINATION

Wiring Diagram

INFOID:000000010346352

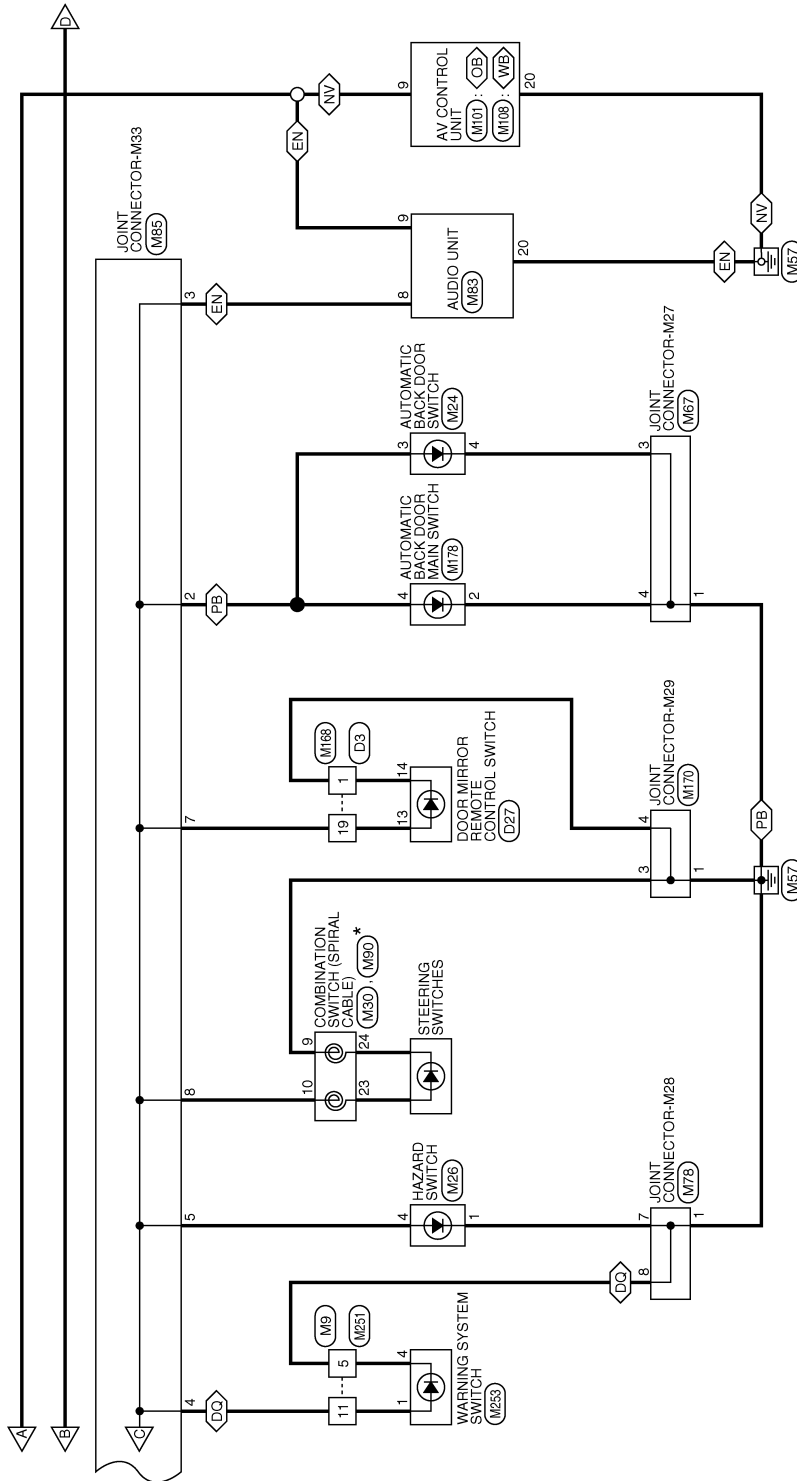


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# ILLUMINATION

< WIRING DIAGRAM >

- EN : WITHOUT NAVI
- DQ : WITH DRIVER ASSISTANCE SYSTEM
- NV : WITH NAVI
- OB : WITHOUT BOSE AUDIO SYSTEM
- PB : WITH POWER BACK DOOR
- WB : WITH BOSE AUDIO SYSTEM



\* : THIS CONNECTOR IS NOT SHOWN IN "HARNES LAYOUT" OF PG SECTION.

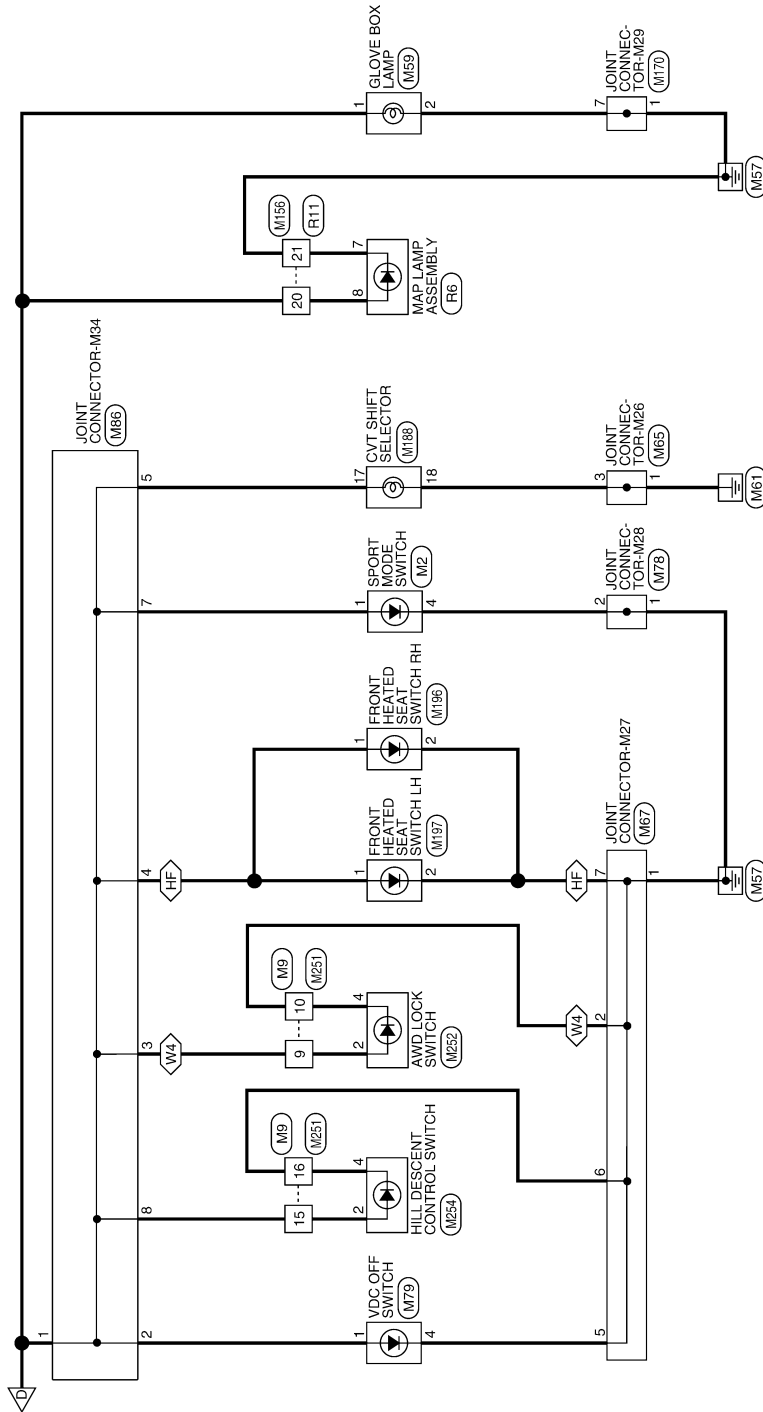
AALWA0776GB

A  
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G  
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# ILLUMINATION

< WIRING DIAGRAM >

HF : WITH FRONT HEATED SEAT  
 W4 : WITH ALL WHEEL DRIVE



AALWA0777GB

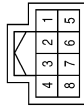


# ILLUMINATION

< WIRING DIAGRAM >

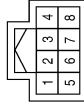
## ILLUMINATION CONNECTORS

Connector No.	M2
Connector Name	SPORT MODE SWITCH
Connector Color	BLUE



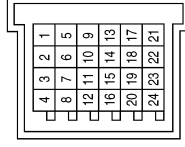
Terminal No.	Color of Wire	Signal Name
1	G	-
4	GR	-

Connector No.	M3
Connector Name	METER CONTROL SWITCH
Connector Color	WHITE



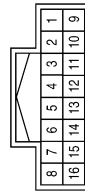
Terminal No.	Color of Wire	Signal Name
1	R	-
2	B	-
4	BG	-
6	GR	-
7	V	-

Connector No.	M6
Connector Name	JOINT CONNECTOR-M01
Connector Color	GRAY



Terminal No.	Color of Wire	Signal Name
3	P	-
4	L	-
7	P	-
8	L	-

Connector No.	M9
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
5	GR	-
9	G	-
10	B	-
11	R	-
15	G	-
16	B	-

Connector No.	M13
Connector Name	OPTICAL SENSOR
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
1	W	-
2	LG	-
3	V	-

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A  
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# ILLUMINATION

< WIRING DIAGRAM >

Connector No.	M20
Connector Name	BCM (BODY CONTROL MODULE)
Connector Color	BROWN



167	166	165	164	163	162	161
176	175	174	173	172	171	170

Terminal No.	Color of Wire	Signal Name
161	W	I PWR ECU
170	B	I GND1
171	B	I GND2

Connector No.	M19
Connector Name	BCM (BODY CONTROL MODULE)
Connector Color	BLACK



100	99	98	97	96	95	94	93	92	91	90	89	88	87	86	85	84	83	82	81
120	119	118	117	116	115	114	113	112	111	110	109	108	107	106	105	104	103	102	101

Terminal No.	Color of Wire	Signal Name
84	BR	O CSW 2
85	SB	O CSW 1
86	P	O CSW 3
87	BG	O CSW 4
95	V	I SHORTING PIN

Connector No.	M18
Connector Name	BCM (BODY CONTROL MODULE)
Connector Color	GRAY



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

Terminal No.	Color of Wire	Signal Name
12	W	O PWR AUTOLIGHT SENSOR
19	LG	I AUTOLIGHT SENSOR
30	V	O GND AUTOLIGHT SENSOR
33	LG	I CSW 5
34	Y	O CSW 5
36	BG	I CSW 3
37	GR	I CSW 4
38	V	I CSW 1
39	W	I CSW 2

Connector No.	M26
Connector Name	HAZARD SWITCH
Connector Color	WHITE



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

Terminal No.	Color of Wire	Signal Name
1	GR	-
4	R	-

Connector No.	M24
Connector Name	AUTOMATIC BACK DOOR SWITCH
Connector Color	GREEN



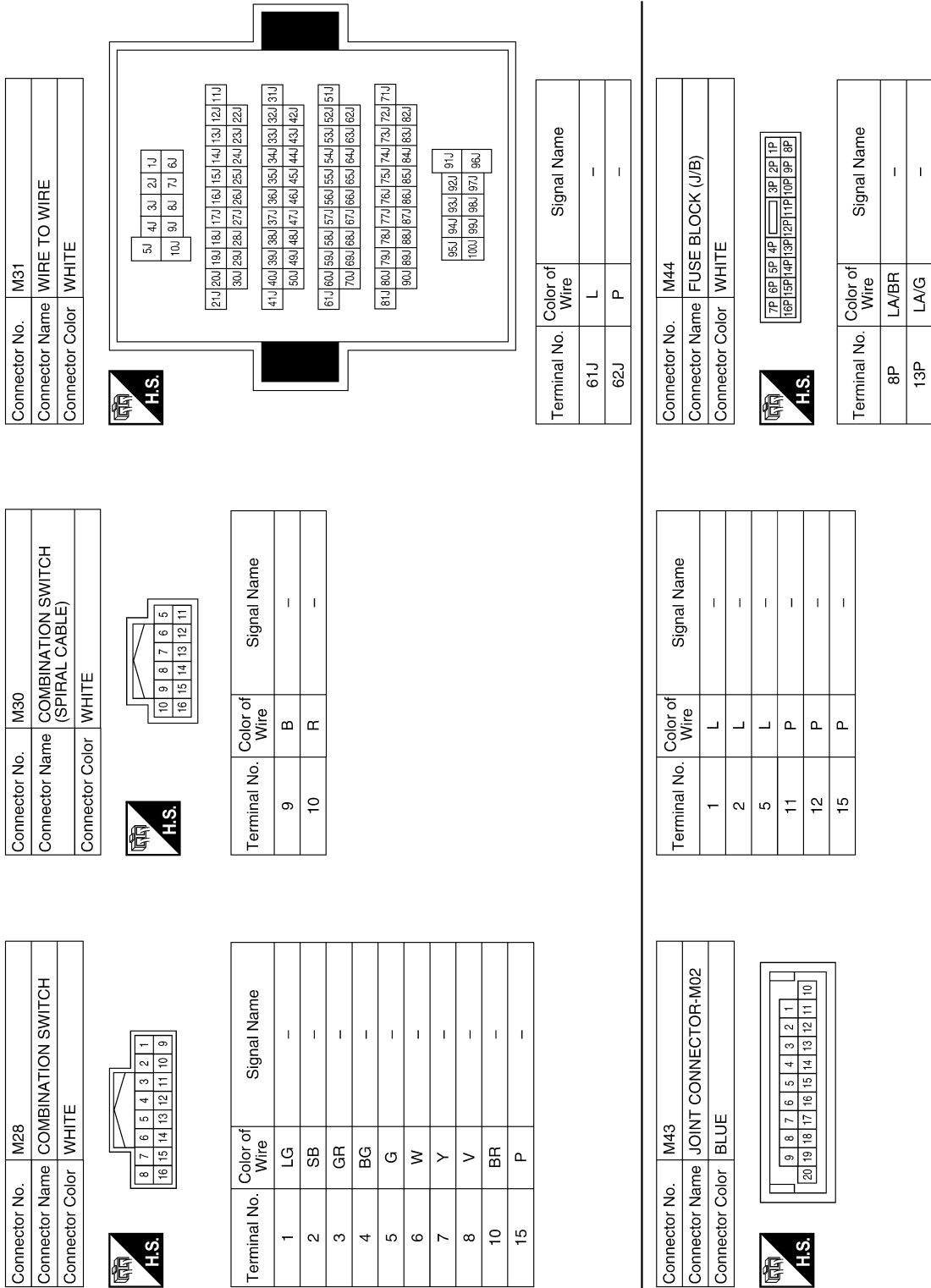
4	3	2	1
---	---	---	---

Terminal No.	Color of Wire	Signal Name
3	R	-
4	B	-

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# ILLUMINATION

< WIRING DIAGRAM >



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A  
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INL

# ILLUMINATION

< WIRING DIAGRAM >

Connector No.	M59
Connector Name	GLOVE BOX LAMP
Connector Color	WHITE



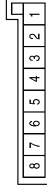
Terminal No.	Color of Wire	Signal Name
1	W	-
2	B	-

Connector No.	M65
Connector Name	JOINT CONNECTOR-M26
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
1	B	-
3	B	-

Connector No.	M67
Connector Name	JOINT CONNECTOR-M27
Connector Color	WHITE



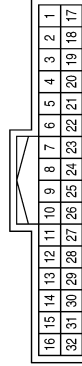
Terminal No.	Color of Wire	Signal Name
1	B	-
2	B	-
3	B	-
4	B	-
5	B	-
6	B	-
7	B	-

Connector No.	M68
Connector Name	FUSE BLOCK (J/B)
Connector Color	BROWN



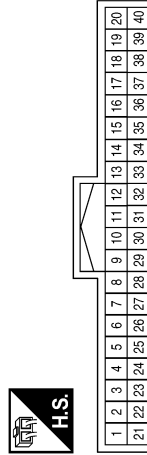
Terminal No.	Color of Wire	Signal Name
1R	V	-
3R	V	-
14R	W	-

Connector No.	M69
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
24	P	-
25	L	-

Connector No.	M76
Connector Name	COMBINATION METER
Connector Color	WHITE



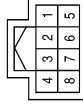
Terminal No.	Color of Wire	Signal Name
1	B	GND 1
17	BG	SATELLITE SW GND
36	GR	ILL UP SW
37	V	ILL DOWN SW

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# ILLUMINATION

< WIRING DIAGRAM >

Connector No.	M79
Connector Name	VDC OFF SWITCH
Connector Color	BLACK



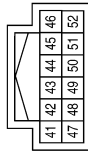
Terminal No.	Color of Wire	Signal Name
1	G	-
4	B	-

Connector No.	M78
Connector Name	JOINT CONNECTOR-M28
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
1	GR	-
2	GR	-
7	GR	-
8	GR	-

Connector No.	M77
Connector Name	COMBINATION METER
Connector Color	WHITE



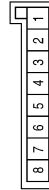
Terminal No.	Color of Wire	Signal Name
41	L	CAN-H
42	P	CAN-L
43	W	ILL CONT OUT
45	LA/G	ALVUSBAT
46	LA/BR	IGN
52	B	GND 2

Connector No.	M86
Connector Name	JOINT CONNECTOR-M34
Connector Color	WHITE



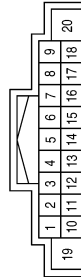
Terminal No.	Color of Wire	Signal Name
1	G	-
2	G	-
3	G	-
4	G	-
5	G	-
7	G	-
8	G	-

Connector No.	M85
Connector Name	JOINT CONNECTOR-M33
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
1	R	-
2	R	-
3	R	-
4	R	-
5	R	-
6	R	-
7	LA/R	-
8	R	-

Connector No.	M83
Connector Name	AUDIO UNIT
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
8	R	ILL-
9	V	ILL+, LIGHT SW
20	B	GND

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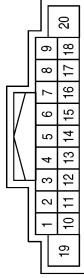
A  
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K  
L  
M  
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O  
P



# ILLUMINATION

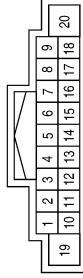
< WIRING DIAGRAM >

Connector No.	M108
Connector Name	AV CONTROL UNIT (WITH BOSE AUDIO SYSTEM)
Connector Color	WHITE



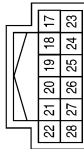
Terminal No.	Color of Wire	Signal Name
9	V	ILL(+), LIGHT SW
20	B	GND

Connector No.	M101
Connector Name	AV CONTROL UNIT (WITHOUT BOSE AUDIO SYSTEM)
Connector Color	WHITE



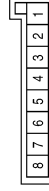
Terminal No.	Color of Wire	Signal Name
9	V	ILL(+), LIGHT SW
20	B	GND

Connector No.	M90
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Color	WHITE



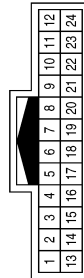
Terminal No.	Color of Wire	Signal Name
23	R	-
24	Y	-

Connector No.	M170
Connector Name	JOINT CONNECTOR-M29
Connector Color	WHITE



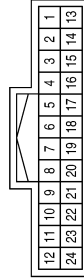
Terminal No.	Color of Wire	Signal Name
1	B	-
3	B	-
4	B	-
6	B	-
7	B	-

Connector No.	M168
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
1	B	-
19	LA/R	-

Connector No.	M156
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
20	R	-
21	B	-

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# ILLUMINATION

< WIRING DIAGRAM >

Connector No.	M196
Connector Name	FRONT HEATED SEAT SWITCH RH
Connector Color	BROWN



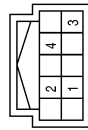
Terminal No.	Color of Wire	Signal Name
1	G	-
2	B	-

Connector No.	M188
Connector Name	CVT SHIFT SELECTOR
Connector Color	BROWN



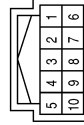
Terminal No.	Color of Wire	Signal Name
17	G	-
18	B	-

Connector No.	M178
Connector Name	AUTOMATIC BACK DOOR MAIN SWITCH
Connector Color	BLACK



Terminal No.	Color of Wire	Signal Name
2	B	-
4	R	-

Connector No.	M252
Connector Name	AWD LOCK SWITCH
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
2	R	-
4	B	-

Connector No.	M251
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
5	B	-
9	R	-
10	B	-
11	G	-
15	P	-
16	B	-

Connector No.	M197
Connector Name	FRONT HEATED SEAT SWITCH LH
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
1	L	-
2	B	-

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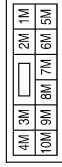
A  
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INL

# ILLUMINATION

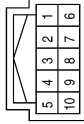
< WIRING DIAGRAM >

Connector No.	E28
Connector Name	FUSE BLOCK (J/B)
Connector Color	WHITE



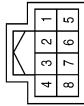
Terminal No.	Color of Wire	Signal Name
6M	Y	-

Connector No.	M254
Connector Name	HILL DESCENT CONTROL SWITCH
Connector Color	GRAY



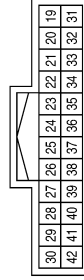
Terminal No.	Color of Wire	Signal Name
2	P	-
4	B	-

Connector No.	M253
Connector Name	WARNING SYSTEM SWITCH
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
1	G	-
4	B	-

Connector No.	E120
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Color	GRAY



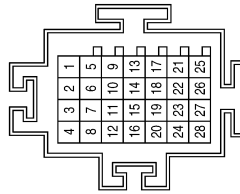
Terminal No.	Color of Wire	Signal Name
22	P	CAN-L
24	L	CAN-H
31	B	2ND SIGNAL GROUND

Connector No.	E119
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Color	GRAY



Terminal No.	Color of Wire	Signal Name
4	Y	O LIGHT POSITION REAR LH
12	B	SIGNAL GROUND

Connector No.	E44
Connector Name	JOINT CONNECTOR-E01
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
5	L	-
6	P	-
9	L	-
10	P	-

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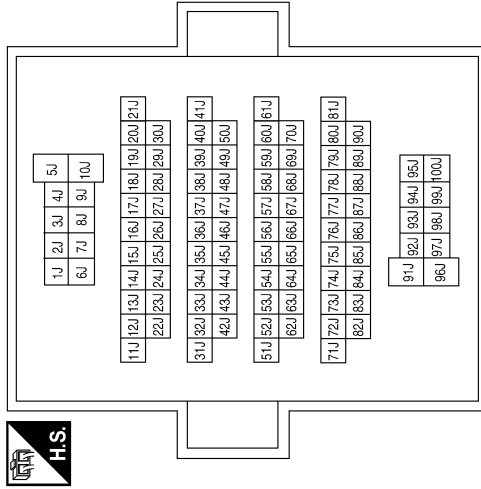


# ILLUMINATION

< WIRING DIAGRAM >

Terminal No.	Color of Wire	Signal Name
61J	L	-
62J	P	-

Connector No.	E152
Connector Name	WIRE TO WIRE
Connector Color	WHITE

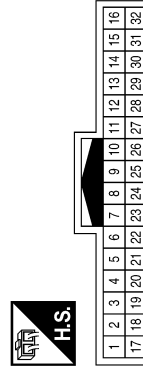


Connector No.	E121
Connector Name	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)
Connector Color	RED



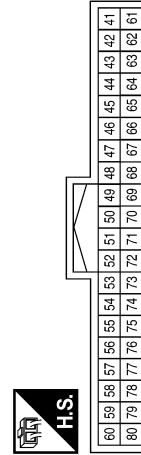
Terminal No.	Color of Wire	Signal Name
47	B	POWER GROUND

Connector No.	B41
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
24	P	-
25	L	-

Connector No.	B16
Connector Name	BCM (BODY CONTROL MODULE)
Connector Color	GREEN



Terminal No.	Color of Wire	Signal Name
60	L	CAN-H
80	P	CAN-L

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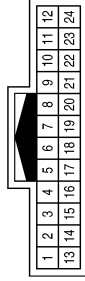
A B C D E F G H I J K L M N O P



# ILLUMINATION

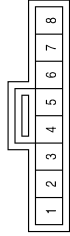
< WIRING DIAGRAM >

Connector No.	R11
Connector Name	WIRE TO WIRE
Connector Color	WHITE



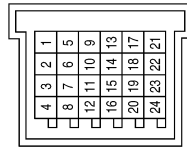
Terminal No.	Color of Wire	Signal Name
20	R	-
21	B	-

Connector No.	R6
Connector Name	MAP LAMP
Connector Color	WHITE



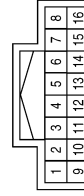
Terminal No.	Color of Wire	Signal Name
7	B	-
8	R	-

Connector No.	B63
Connector Name	JOINT CONNECTOR-B01
Connector Color	GRAY



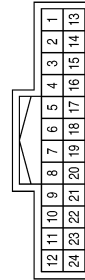
Terminal No.	Color of Wire	Signal Name
3	P	-
4	L	-
7	P	-
8	L	-

Connector No.	D27
Connector Name	DOOR MIRROR REMOTE CONTROL SWITCH
Connector Color	BLACK



Terminal No.	Color of Wire	Signal Name
13	LA/R	-
14	LA/B	-

Connector No.	D3
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
1	LA/B	-
19	LA/R	-

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# DIAGNOSIS AND REPAIR WORKFLOW

< BASIC INSPECTION >

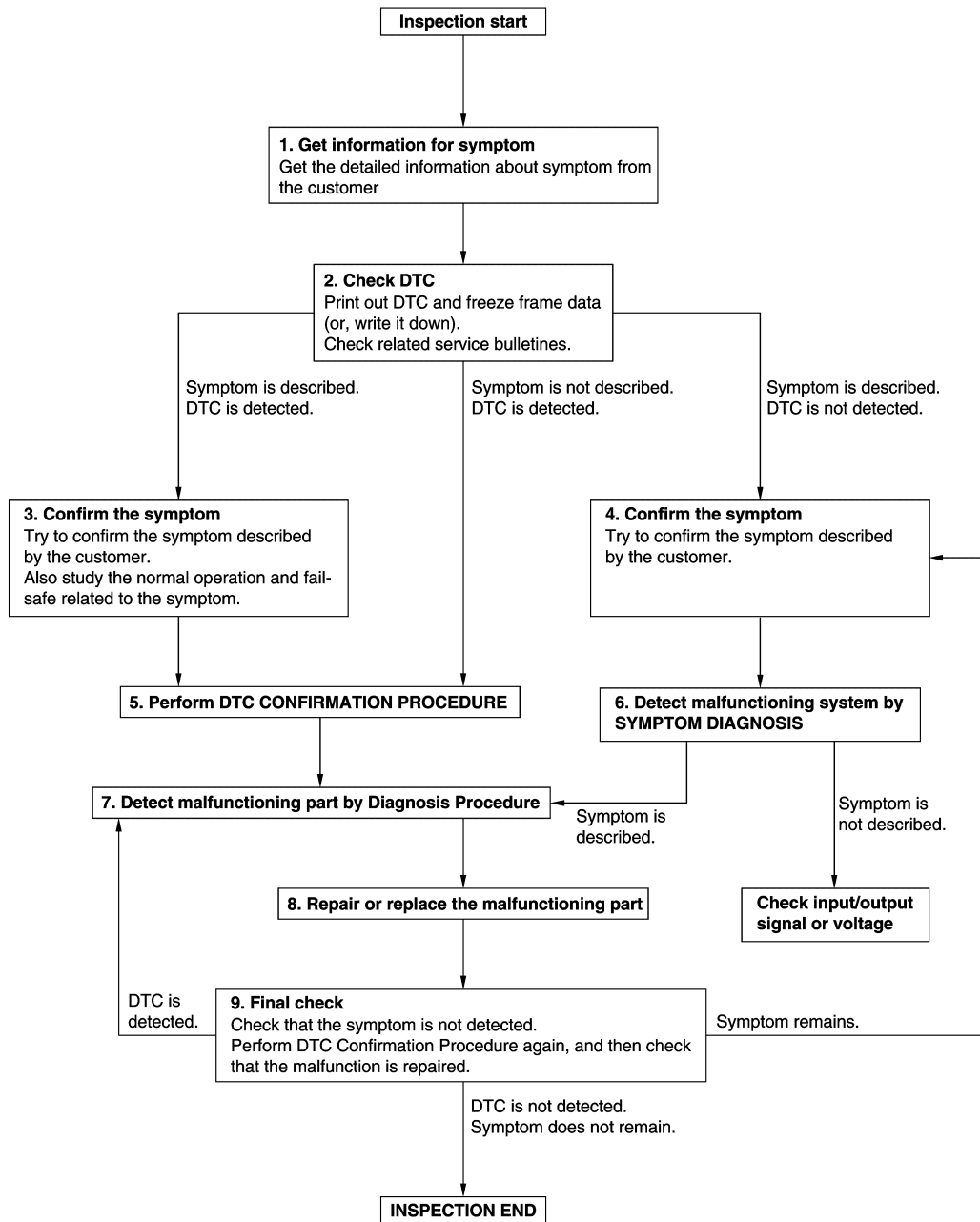
## BASIC INSPECTION

### DIAGNOSIS AND REPAIR WORKFLOW

Work Flow

INFOID:0000000010346353

OVERALL SEQUENCE



DETAILED FLOW

Revision: November 2013

INL-43

JMKIA8652GB

2014 Rogue NAM

# DIAGNOSIS AND REPAIR WORKFLOW

< 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

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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

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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

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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

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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.

**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

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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 DIAGNOSTIC PROCEDURE

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Inspect according to Diagnostic Procedure of the system.

Is malfunctioning part detected?

# DIAGNOSIS AND REPAIR WORKFLOW

## < BASIC INSPECTION >

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YES >> GO TO 8.

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

## 8. REPAIR OR REPLACE THE MALFUNCTIONING PART

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

>> GO TO 9.

## 9. FINAL CHECK

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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:0000000010346354

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

#### Component Function Check

INFOID:0000000010346355

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

##### ⓑ CONSULT ACTIVE TEST

1. Turn power switch ON.
2. Turn each interior room lamp ON.
  - Map lamp
  - Room lamp
  - Personal lamps 2nd row (if equipped)
  - Luggage room lamp
3. Select "BATTERY SAVER" of "BCM" 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-46, "Diagnosis Procedure"](#).

#### Diagnosis Procedure

INFOID:0000000010346356

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

##### ⓑ CONSULT ACTIVE TEST

1. Turn power switch OFF.
2. Turn power switch ON.
3. Select "BATTERY SAVER" of "" active test item.
4. With operating the test item, check continuity between BCM harness connector and ground.

BCM		(-)	Test item	Continuity
(+) Connector Terminal				
M18	4	Ground	BATTERY SAVER	Off No
			On Yes	

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace BCM. Refer to [BCS-75, "Removal and Installation"](#) (with Intelligent Key system) or [BCS-135, "Removal and Installation"](#) (without Intelligent Key system).

#### 2. CHECK INTERIOR ROOM LAMP RELAY SIGNAL OPEN CIRCUIT

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

BCM		Room lamp relay		Continuity
Connector	Terminal	Connector	Terminal	
M18	4	M12	2	Yes

# INTERIOR ROOM LAMP POWER SUPPLY CIRCUIT

## < DTC/CIRCUIT DIAGNOSIS >

Is the inspection result normal?

- YES >> GO TO 3.  
 NO >> Repair or replace harnesses.

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

1. Check voltage at room lamp relay harness connector.

Room lamp relay		Voltage (Approx.)
Connector	Terminal	
M12	1	Battery voltage
	3	

Is the inspection result normal?

- YES >> GO TO 4.  
 NO >> Repair or replace harnesses.

### 4. CHECK INTERIOR ROOM LAMP RELAY POWER SUPPLY OUTPUT

1. Reconnect room lamp relay.  
 2. Check voltage at room lamp relay harness connector.

Room lamp relay		Voltage (Approx.)
Connector	Terminal	
M12	5	Battery voltage

Is the inspection result normal?

- YES >> GO TO 5.  
 NO >> Replace room lamp relay.

### 5. CHECK INTERIOR ROOM LAMP RELAY POWER SUPPLY OUTPUT

1. Disconnect the following connectors:
- Room lamp relay M12
  - Map lamp assembly R6
  - Room lamp R15
  - Personal lamps 2nd row R16 (if equipped)
  - Vanity mirror lamp LH R14
  - Vanity mirror lamp RH R10
  - Luggage room lamp B118
2. Check continuity between room lamp relay connector M12 and interior room lamp connector in question.

Room lamp relay		Each interior room lamp			Continuity
Connector	Terminal	Connector	Terminal	Terminal	
M12	5	Map lamp assembly	R6	1	Yes
		Room lamp	R15	2	
		Personal lamps 2nd row (if equipped)	R16	2	
		Vanity mirror lamp LH	R14	1	
		Vanity mirror lamp RH	R10	1	
		Luggage room lamp	B118	1	

Is the inspection result normal?

- YES >> GO TO 6.  
 NO >> Repair or replace harnesses.

### 6. CHECK INTERIOR ROOM LAMP RELAY POWER SUPPLY OUTPUT SHORT CIRCUIT

- Check continuity between room lamp relay and ground.

# INTERIOR ROOM LAMP POWER SUPPLY CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

Room lamp relay		—	Continuity
Connector	Terminal		
M12	5	Ground	No

Is the inspection result normal?

- YES >> Check that each interior lamp has no internal short circuit.
- NO >> Repair or replace harnesses.



# INTERIOR ROOM LAMP CONTROL CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

## INTERIOR ROOM LAMP CONTROL CIRCUIT

### Description

INFOID:000000010346357

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:000000010346358

#### CAUTION:

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

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

### 1. CHECK INTERIOR ROOM LAMP CONTROL FUNCTION

#### CONSULT ACTIVE TEST

1. Switch the map lamp switch and room lamp switch to DOOR.
2. Turn power switch ON.
3. Select "INT LAMP" of "BCM" 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-49. "Diagnosis Procedure"](#).

### Diagnosis Procedure

INFOID:000000010346359

### 1. CHECK INTERIOR ROOM LAMP CONTROL OUTPUT

#### CONSULT ACTIVE TEST

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

BCM		Ground	Test item		Continuity
Connector	Terminal		INT LAMP		
M20	162		On	Yes	
			Off	No	

Is the inspection result normal?

YES >> GO TO 2.

Fixed ON>>GO TO 3.

Fixed OFF>>Replace BCM. Refer to [BCS-75. "Removal and Installation"](#) (with Intelligent Key system) or [BCS-135. "Removal and Installation"](#) (without Intelligent Key system).

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

1. Turn power switch OFF.
2. Disconnect BCM connector, map lamp assembly and room lamp connector.
3. Check continuity between BCM harness connector and map lamp harness connector.

# INTERIOR ROOM LAMP CONTROL CIRCUIT

## < DTC/CIRCUIT DIAGNOSIS >

BCM		Map lamp assembly		Continuity
Connector	Terminal	Connector	Terminal	
M20	162	R6	3	Yes

4. Check continuity between BCM harness connector and room lamp harness connector.

BCM		Room lamp		Continuity
Connector	Terminal	Connector	Terminal	
M20	162	R15	1	Yes

Is the inspection result normal?

YES >> Replace map lamp or room lamp.

NO >> Repair or replace harnesses.

### 3. CHECK INTERIOR ROOM LAMP CONTROL SHORT CIRCUIT

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

BCM		Ground	Continuity
Connector	Terminal		
M20	162		No

Is the inspection result normal?

YES >> Replace BCM. Refer to [BCS-75. "Removal and Installation"](#) (with Intelligent Key system) or [BCS-135. "Removal and Installation"](#) (without Intelligent Key system).

NO >> Repair or replace harnesses.

# LUGGAGE ROOM LAMP CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

## LUGGAGE ROOM LAMP CIRCUIT

### Description

INFOID:000000010346360

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

### Diagnosis Procedure

INFOID:000000010346361

#### CAUTION:

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

- Interior room lamp power supply
- Luggage room lamp bulb

#### 1. CHECK LUGGAGE ROOM LAMP OUTPUT

1. Turn power switch OFF.
2. Remove the luggage room lamp bulb.
3. Check continuity between BCM harness connector and ground.

BCM		Ground	Condition		Continuity
Connector	Terminal		Back door	Open	Yes
M23	151			Closed	No

Is the inspection result normal?

YES >> GO TO 2.

Fixed ON>>GO TO 3.

Fixed OFF>>Replace BCM. Refer to [BCS-75. "Removal and Installation"](#) (with Intelligent Key system) or [BCS-135. "Removal and Installation"](#) (without Intelligent Key system).

#### 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	
M23	151	B118	2	Yes

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.

BCM		Ground	Continuity
Connector	Terminal		No
M23	151		No

Is the inspection result normal?

YES >> Replace BCM. Refer to [BCS-75. "Removal and Installation"](#) (with Intelligent Key system) or [BCS-135. "Removal and Installation"](#) (without Intelligent Key system).

NO >> Repair or replace harnesses.

# POWER SWITCH ILLUMINATION CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

## POWER SWITCH ILLUMINATION CIRCUIT

### Description

INFOID:000000010346362

Provides the power supply and the ground to control the power switch illumination.

### Component Function Check

INFOID:000000010346363

### 1. CHECK POWER SWITCH ILLUMINATION OPERATION

#### CONSULT ACTIVE TEST

1. Turn the power switch ON.
2. Select "ENGINE SW ILLUMI" of "BCM" active test item.
3. With operating the test items, check that the power switch illumination turns ON/OFF.

**On** : Power switch illumination ON

**Off** : Power switch illumination OFF

#### Does the power switch illumination turn ON/OFF?

- YES >> Power switch illumination circuit is normal.  
NO >> Refer to [INL-52, "Diagnosis Procedure"](#).

### Diagnosis Procedure

INFOID:000000010346364

### 1. CHECK POWER SWITCH ILLUMINATION POWER SUPPLY OUTPUT

1. Turn power switch OFF.
2. Disconnect power switch connector.
3. Check voltage between power switch harness connector and ground.

(+)		(-)	Condition	Voltage (Approx.)
Connector	Terminal			
M17	8	Ground	Power switch illumination	ON Battery voltage
				OFF 0 V

#### Is the inspection result normal?

- YES >> GO TO 4.  
NO >> GO TO 2.

### 2. CHECK POWER SWITCH ILLUMINATION POWER SUPPLY OPEN CIRCUIT

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

BCM		Power switch		Continuity
Connector	Terminal	Connector	Terminal	
M19	88	M17	8	Yes

#### Is the inspection result normal?

- YES >> GO TO 3.  
NO >> Repair or replace harnesses.

### 3. CHECK POWER SWITCH ILLUMINATION POWER SUPPLY SHORT CIRCUIT

Check continuity between BCM harness connector and ground.

BCM		Ground	Continuity
Connector	Terminal		
M19	88		No

# POWER SWITCH ILLUMINATION CIRCUIT

## < DTC/CIRCUIT DIAGNOSIS >

### Is the inspection result normal?

- YES >> Replace BCM. Refer to [BCS-75, "Removal and Installation"](#) (with intelligent Key system) or [BCS-135, "Removal and Installation"](#) (without Intelligent Key system).
- NO >> Repair or replace harnesses.

### 4. CHECK POWER SWITCH ILLUMINATION GROUND CIRCUIT

1. Turn the power switch OFF.
2. Check continuity between power switch harness connector and ground.

Power switch		Ground	Continuity
Connector	Terminal		
M19	7		Yes

### Is the inspection result normal?

- YES >> Replace power switch. Refer to [SEC-112, "Removal and Installation"](#).
- NO >> Repair or replace harnesses.

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# INTERIOR LIGHTING SYSTEM SYMPTOMS

< SYMPTOM DIAGNOSIS >

## SYMPTOM DIAGNOSIS

### INTERIOR LIGHTING SYSTEM SYMPTOMS

#### Symptom Table

INFOID:000000010346365

**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. <ul style="list-style-type: none"> <li>• Map lamp</li> <li>• Room lamp</li> <li>• Luggage room lamp</li> </ul>	<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-46</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-149</a> , " <a href="#">Component Function Check</a> " (with Intelligent Key system) or <a href="#">DLK-319</a> , " <a href="#">Component Function Check</a> " (without Intelligent Key system). <hr/> Interior room lamp control circuit Refer to <a href="#">INL-49</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="#">INL-9</a> , " <a href="#">INTERIOR ROOM LAMP BATTERY SAVER SYSTEM : System Description</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-151</a> , " <a href="#">Component Function Check</a> " (with Intelligent Key system) or <a href="#">DLK-319</a> , " <a href="#">Component Function Check</a> " (without Intelligent Key system). <hr/> Luggage room lamp circuit Refer to <a href="#">INL-51</a> .
Power switch illumination does not illuminate.	<ul style="list-style-type: none"> <li>• Harness between BCM and power switch</li> <li>• BCM</li> </ul>	Power switch illumination circuit Refer to <a href="#">INL-52</a> .
Interior room lamp battery saver does not activate.	BCM	Replace BCM. Refer to <a href="#">BCS-75</a> , " <a href="#">Removal and Installation</a> " (with Intelligent Key system) or <a href="#">BCS-135</a> , " <a href="#">Removal and Installation</a> " (without Intelligent Key system).

# MAP LAMP ASSEMBLY

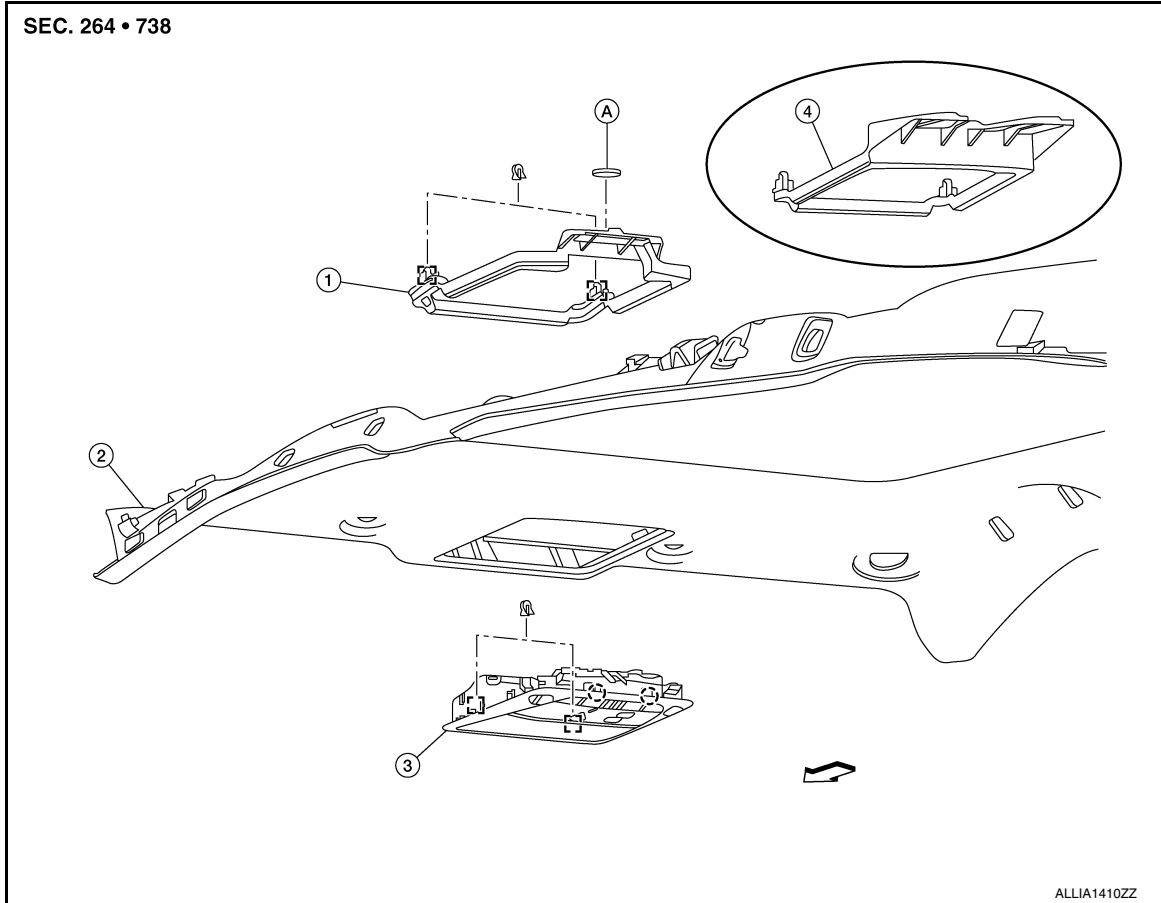
< REMOVAL AND INSTALLATION >

## REMOVAL AND INSTALLATION

### MAP LAMP ASSEMBLY

Exploded View

INFOID:000000010307578



- |   |                |                      |
|---|----------------|----------------------|
| 1. Map lamp assembly bracket (with moonroof)    | 2. Headlining  | 3. Map lamp assembly |
| 4. Map lamp assembly bracket (without moonroof) | A. Dual magnet | ☐ Metal clip         |
| ○ Pawl  |                |                      |

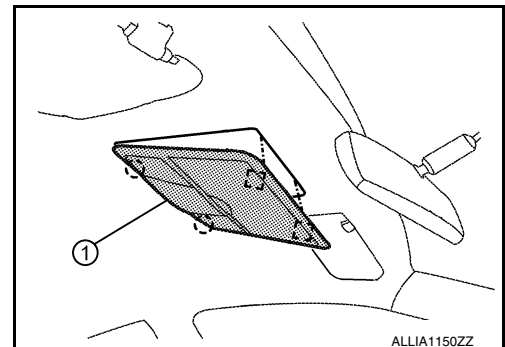
### Removal and Installation

INFOID:000000010307579

#### REMOVAL

- Lower front edge of map lamp assembly (1) down from the headlining by releasing the metals clips, then slide forward to clear pawls at rear.

- ☐ Metal clip
- Pawl



- Disconnect the harness connectors from map lamp assembly and remove.

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## MAP LAMP ASSEMBLY

< REMOVAL AND INSTALLATION >

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### INSTALLATION

Installation is in the reverse order of removal.

**CAUTION:**

**Visually check the metal clips and pawls for deformation and damage during installation. Replace if necessary.**

### Bulb Replacement

INFOID:0000000010307580

**CAUTION:**

**Do not attempt to separate LED bulbs from map lamp assembly or damage to the components may occur.**

The LED bulbs are replaced as part of the map lamp assembly. Refer to [INL-55. "Removal and Installation"](#)



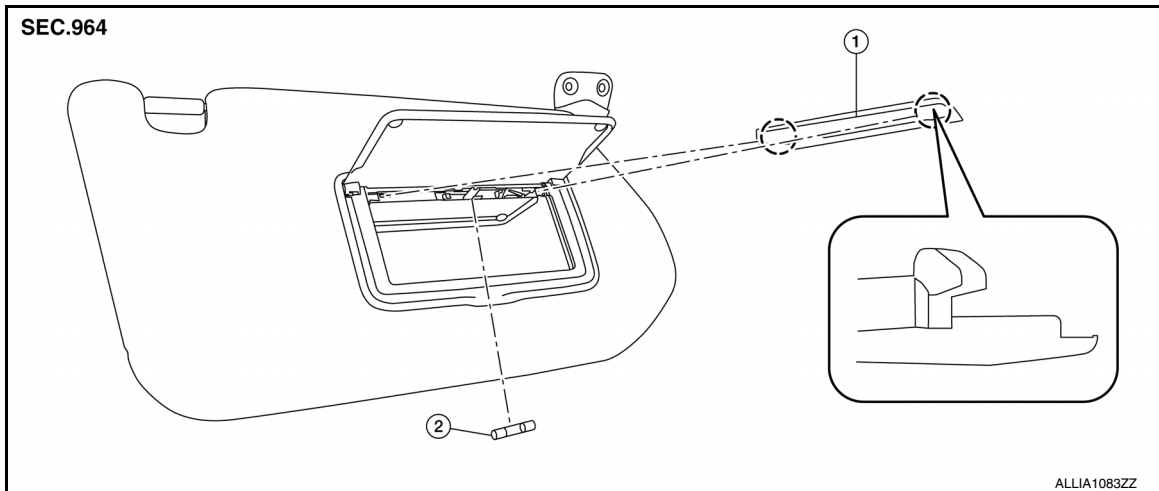
# VANITY MIRROR LAMP

< REMOVAL AND INSTALLATION >

## VANITY MIRROR LAMP

### Exploded View

INFOID:000000010307952



1. Lens

2. Bulb

3. Pawl

### Removal and Installation

INFOID:000000010307953

#### **CAUTION:**

Do not attempt to separate the vanity lamp from the sun visor or damage to the components may occur.

The vanity lamp is replaced as part of the sun visor. Refer to [INT-29, "Exploded View"](#).

### Bulb or Lens Replacement

INFOID:000000010307954

#### **WARNING:**

Do not touch the glass surface of a bulb while it is lit or right after being turned OFF to prevent burns.

#### **CAUTION:**

- Do not touch the glass of bulb directly by hand. Keep grease and other oily substances away from bulb surface.
- Do not leave bulb out of lamp reflector for a long time because dust, moisture, smoke, etc. may affect the performance of lamp.
- Do not attempt to separate the vanity lamp from the sun visor or damage to the components may occur.

1. Insert a suitable tool into the gap between the lens and vanity mirror lamp, then release the lens pawls and remove.
2. Grasp the vanity mirror lamp bulb and pull straight out of the vanity mirror lamp to remove.
3. Install vanity mirror lamp bulb to vanity mirror lamp.
4. Install the vanity mirror lamp lens.

# GLOVE BOX LAMP

< REMOVAL AND INSTALLATION >

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## GLOVE BOX LAMP

### Bulb Replacement

INFOID:000000010308265

**WARNING:**

Do not touch the glass surface of a bulb while it is lit or right after being turned OFF to prevent burns.

**CAUTION:**

- Do not touch the glass of bulb directly by hand. Keep grease and other oily substances away from bulb surface.
- Do not leave bulb out of lamp reflector for a long time because dust, moisture, smoke, etc. may affect the performance of lamp.

1. Remove glove box. Refer to [IP-23, "Removal and Installation"](#).
2. Rotate the bulb socket counterclockwise and remove.
3. Insert bulb socket into glove box and rotate clockwise to lock in position.
4. Install glove box. Refer to [IP-23, "Removal and Installation"](#).

# ROOM LAMP

< REMOVAL AND INSTALLATION >

## ROOM LAMP

### Removal and Installation

INFOID:000000010308701

#### **WARNING:**

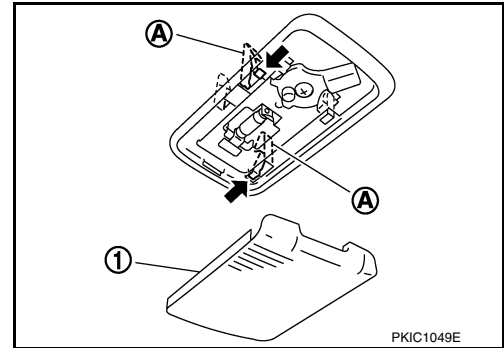
Do not touch the glass surface of a bulb while it is lit or right after being turned OFF to prevent burns.

#### **CAUTION:**

- Do not touch the glass of bulb directly by hand. Keep grease and other oily substances away from bulb surface.
- Do not leave bulb out of reflector for a long time because moisture, smoke, etc. may affect the performance of lamp.

#### REMOVAL

1. Lower lens (1) and room lamp as an assembly by releasing room lamp metal clips (A) using a suitable tool.
2. Disconnect the harness connector from the room lamp and remove.



#### INSTALLATION

Installation is in the reverse order of removal.

### Bulb Replacement

INFOID:000000010308702

#### **WARNING:**

Do not touch the glass surface of a bulb while it is lit or right after being turned OFF to prevent burns.

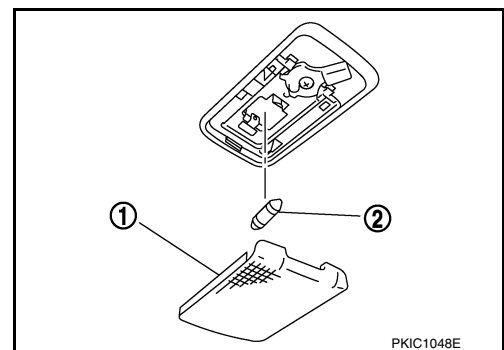
#### **CAUTION:**

- Do not touch the glass of bulb directly by hand. Keep grease and other oily substances away from bulb surface.
- Do not leave bulb out of reflector for a long time because moisture, smoke, etc. may affect the performance of lamp.

1. Remove lens (1) by inserting suitable tool and releasing LH side (switch side) first.
2. Remove room lamp bulb (2).
3. Install room lamp bulb (2).
4. Install room lamp lens (1).

#### **NOTE:**

Insert the lens hook end (RH side) first to install lens.



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# PERSONAL LAMP

< REMOVAL AND INSTALLATION >

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## PERSONAL LAMP

### Removal and Installation

INFOID:000000010307141

The personal lamp is serviced as part of headlining. Refer to [INT-30. "Removal and Installation"](#).

### Bulb or Lens Replacement

INFOID:000000010307142

**WARNING:**

Do not touch the glass surface of a bulb while it is lit or right after being turned OFF to prevent burns.

**CAUTION:**

- Do not touch the glass of bulb directly by hand. Keep grease and other oily substances away from bulb surface.
  - Do not leave bulb out of lamp reflector for a long time because dust, moisture, smoke, etc. may affect the performance of lamp.
  - Do not attempt to separate the personal lamp from the headlining or damage may occur.
1. Insert a suitable tool into the gap between the lens and personal lamp, then gently release the lens pawls and remove.
  2. Grasp the bulb and pull straight out from its socket to remove.
  3. Install personal lamp bulb to personal lamp.
  4. Install the personal lamp lens.

# LUGGAGE ROOM LAMP

< REMOVAL AND INSTALLATION >

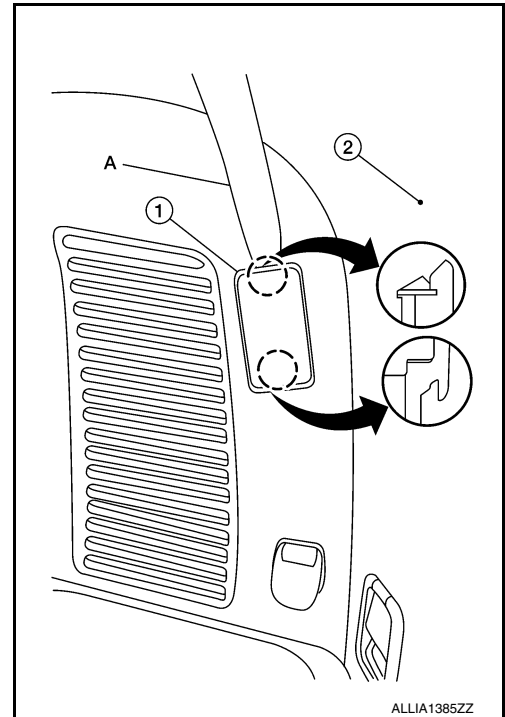
## LUGGAGE ROOM LAMP

### Removal and Installation

INFOID:000000010308262

#### REMOVAL

1. Insert a suitable tool (A) into the gap between the luggage lower finisher (RH) (2) and the top of luggage room lamp (1) to release the pawl.  
⊖: Pawl



2. Disconnect the harness connector from the luggage room lamp and remove.

#### INSTALLATION

Installation is in the reverse order of removal.

#### Bulb Replacement

INFOID:000000010308263

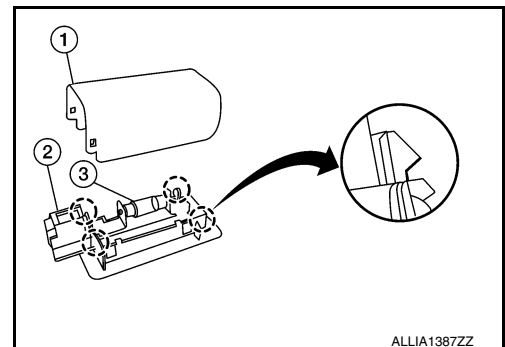
#### **WARNING:**

**Do not touch the glass surface of a bulb while it is lit or right after being turned OFF to prevent burns.**

#### **CAUTION:**

- Do not touch the glass of bulb directly by hand. Keep grease and other oily substances away from bulb surface.
- Do not leave bulb out of lamp reflector for a long time because dust, moisture, smoke, etc. may affect the performance of lamp.

1. Remove luggage room lamp. Refer to [INL-61, "Removal and Installation"](#).
2. Release pawls using a suitable tool and remove luggage room lamp cover (1).  
⊖: Pawl
3. Push the tab to release one bulb end, then grasp the luggage room lamp bulb (3) and pull out the second end to remove.
4. Install luggage room lamp bulb (3) to luggage room lamp (2).
5. Install luggage room lamp cover (1).



6. Install luggage room lamp. Refer to [INL-61, "Removal and Installation"](#).

# METER CONTROL SWITCH

< REMOVAL AND INSTALLATION >

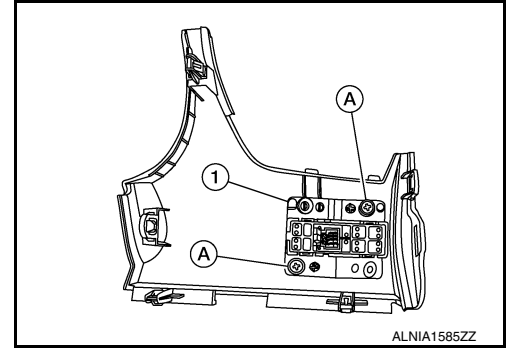
## METER CONTROL SWITCH

### Removal and Installation

INFOID:000000010355869

#### REMOVAL

1. Remove the instrument finisher (A). Refer to [IP-14. "Exploded View"](#).
2. Remove the screws (A) and the meter control switch (1).



#### INSTALLATION

Installation is in the reverse order of removal.

# SERVICE DATA AND SPECIFICATIONS (SDS)

< SERVICE DATA AND SPECIFICATIONS (SDS)

## SERVICE DATA AND SPECIFICATIONS (SDS)

### SERVICE DATA AND SPECIFICATIONS (SDS)

#### Bulb Specifications

INFOID:0000000010307057

Item	Wattage (W)*
Map lamp	LED
Room lamp (if equipped)	8
Vanity mirror lamp	1.8
Glove box lamp	1.4
Personal lamp (if equipped)	8
Luggage room lamp	5

\*:Always check with the parts department for the latest parts information.

A

B

C

D

E

F

G

H

I

J

K

INL

M

N

O

P