

SECTION **INL**

INTERIOR LIGHTING SYSTEM

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

CONTENTS

<p>PRECAUTION 3</p> <p>PRECAUTIONS 3</p> <p style="padding-left: 20px;">Precaution for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TENSIONER"3</p> <p style="padding-left: 20px;">Precaution Necessary for Steering Wheel Rotation after Battery Disconnect3</p> <p>SYSTEM DESCRIPTION 5</p> <p>COMPONENT PARTS 5</p> <p>INTERIOR LIGHTING SYSTEM5</p> <p style="padding-left: 20px;">INTERIOR LIGHTING SYSTEM : Component Parts Location5</p> <p style="padding-left: 20px;">INTERIOR LIGHTING SYSTEM : Component Description5</p> <p>SYSTEM 7</p> <p>INTERIOR ROOM LAMP CONTROL SYSTEM7</p> <p style="padding-left: 20px;">INTERIOR ROOM LAMP CONTROL SYSTEM : System Diagram7</p> <p style="padding-left: 20px;">INTERIOR ROOM LAMP CONTROL SYSTEM : System Description7</p> <p>INTERIOR ROOM LAMP BATTERY SAVER SYSTEM9</p> <p style="padding-left: 20px;">INTERIOR ROOM LAMP BATTERY SAVER SYSTEM : System Diagram 10</p> <p style="padding-left: 20px;">INTERIOR ROOM LAMP BATTERY SAVER SYSTEM : System Description 10</p> <p>ILLUMINATION CONTROL SYSTEM 11</p> <p style="padding-left: 20px;">ILLUMINATION CONTROL SYSTEM : System Diagram 11</p> <p style="padding-left: 20px;">ILLUMINATION CONTROL SYSTEM : System Description 11</p> <p>AUTO LIGHT ADJUSTMENT SYSTEM 11</p> <p style="padding-left: 20px;">AUTO LIGHT ADJUSTMENT SYSTEM : System Diagram 12</p>	<p style="padding-left: 20px;">AUTO LIGHT ADJUSTMENT SYSTEM : System Description12</p> <p>DIAGNOSIS SYSTEM (BCM) 13</p> <p>COMMON ITEM13</p> <p style="padding-left: 20px;">COMMON ITEM : CONSULT-III Function (BCM - COMMON ITEM)13</p> <p>INT LAMP14</p> <p style="padding-left: 20px;">INT LAMP : CONSULT-III Function (BCM - INT LAMP)15</p> <p>BATTERY SAVER16</p> <p style="padding-left: 20px;">BATTERY SAVER : CONSULT-III Function (BCM - BATTERY SAVER)16</p> <p>ECU DIAGNOSIS INFORMATION18</p> <p>BCM18</p> <p style="padding-left: 20px;">List of ECU Reference18</p> <p>WIRING DIAGRAM19</p> <p>INTERIOR ROOM LAMP CONTROL SYSTEM19</p> <p style="padding-left: 20px;">Wiring Diagram19</p> <p>ILLUMINATION35</p> <p style="padding-left: 20px;">Wiring Diagram35</p> <p>BASIC INSPECTION54</p> <p>DIAGNOSIS AND REPAIR WORKFLOW54</p> <p style="padding-left: 20px;">Work Flow54</p> <p>DTC/CIRCUIT DIAGNOSIS56</p> <p>INTERIOR ROOM LAMP POWER SUPPLY CIRCUIT56</p> <p style="padding-left: 20px;">Description56</p> <p style="padding-left: 20px;">Component Function Check56</p> <p style="padding-left: 20px;">Diagnosis Procedure56</p>
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INTERIOR ROOM LAMP CONTROL CIRCUIT	58	REAR DOOR ASHTRAY ILLUMINATION	70
Description	58	Exploded View	70
Component Function Check	58	Removal and Installation	70
Diagnosis Procedure	58	Replacement	70
TRUNK ROOM LAMP CIRCUIT	60	GLOVE BOX LAMP	71
Description	60	Exploded View	71
Diagnosis Procedure	60	Removal and Installation	71
STEP LAMP CIRCUIT	61	Replacement	71
Description	61	FOOT LAMP	72
Component Function Check	61	DRIVER SIDE	72
Diagnosis Procedure	61	DRIVER SIDE : Exploded View	72
OUTSIDE HANDLE LAMP CIRCUIT	63	DRIVER SIDE : Removal and Installation	72
Description	63	DRIVER SIDE : Replacement	72
Diagnosis Procedure	63	PASSENGER SIDE	72
PUSH-BUTTON IGNITION SWITCH ILLUMINATION CIRCUIT	64	PASSENGER SIDE : Exploded View	73
Description	64	PASSENGER SIDE : Removal and Installation	73
Component Function Check	64	PASSENGER SIDE : Replacement	73
Diagnosis Procedure	64	STEP LAMP	74
SYMPTOM DIAGNOSIS	66	Exploded View	74
INTERIOR LIGHTING SYSTEM SYMPTOMS ...	66	Removal and Installation	74
Symptom Table	66	Replacement	74
REMOVAL AND INSTALLATION	67	PERSONAL LAMP	75
MAP LAMP	67	Exploded View	75
Exploded View	67	Removal and Installation	75
Removal and Installation	67	Replacement	76
Replacement	67	OUTSIDE HANDLE LAMP	77
VANITY MIRROR LAMP	68	Exploded View	77
Exploded View	68	TRUNK ROOM LAMP	78
Replacement	68	Exploded View	78
CIGARETTE LIGHTER ILLUMINATION	69	Removal and Installation	78
Exploded View	69	Replacement	78
Removal and Installation	69	SERVICE DATA AND SPECIFICATIONS	
Replacement	69	(SDS)	79
		SERVICE DATA AND SPECIFICATIONS	
		(SDS)	79
		bulb specifications	

PRECAUTIONS

< PRECAUTION >

PRECAUTION

PRECAUTIONS

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

INFOID:000000006108033

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

WARNING:

- To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision 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 the "SRS AIR BAG".
- Do not use electrical test equipment on any circuit related to the SRS unless instructed to in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harnesses or harness connectors.

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

WARNING:

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

Precaution Necessary for Steering Wheel Rotation after Battery Disconnect

INFOID:000000006108034

NOTE:

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

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

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

OPERATION PROCEDURE

1. Connect both battery cables.

NOTE:

Supply power using jumper cables if battery is discharged.

2. Turn the push-button ignition switch to ACC position.
(At this time, the steering lock will be released.)
3. Disconnect both battery cables. The steering lock will remain released with both battery cables disconnected and the steering wheel can be turned.
4. Perform the necessary repair operation.

PRECAUTIONS

< PRECAUTION >

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

COMPONENT PARTS

< SYSTEM DESCRIPTION >

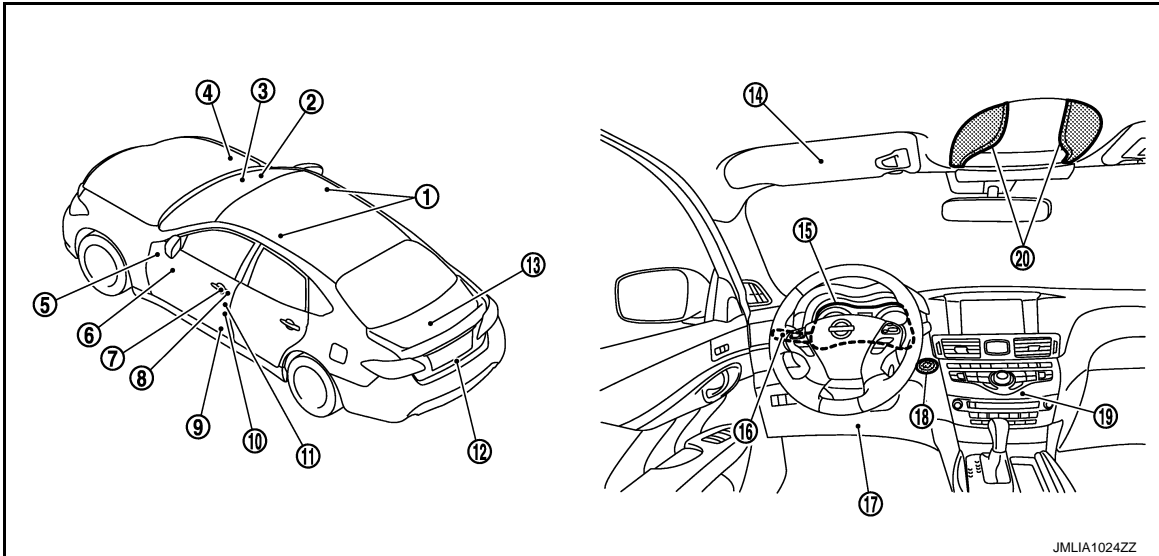
SYSTEM DESCRIPTION

COMPONENT PARTS

INTERIOR LIGHTING SYSTEM

INTERIOR LIGHTING SYSTEM : Component Parts Location

INFOID:000000006054121



- | | | |
|--|---|--|
| 1. Personal lamp | 2. Remote keyless entry receiver
Refer to DLK-9, "DOOR LOCK SYSTEM : Component Parts Location" | 3. Optical sensor |
| 4. IPDM E/R
Refer to PCS-5, "IPDM E/R : Component Parts Location" | 5. BCM
Refer to BCS-4, "BODY CONTROL SYSTEM : Component Parts Location" | 6. Door lock and unlock switch |
| 7. Outside handle lamp | 8. Front door request switch (driver side) | 9. Step lamp |
| 10. Door switch | 11. Front door lock assembly (driver side) (door key cylinder switch, unlock sensor) | 12. Trunk lid lock assembly (trunk room lamp switch) |
| 13. Trunk room lamp | 14. Vanity mirror lamp | 15. Combination meter |
| 16. Combination switch | 17. Foot lamp | 18. Push-button ignition switch |
| 19. AV control unit
Refer to AV-10, "Component Parts Location" | 20. Map lamp | |

INTERIOR LIGHTING SYSTEM : Component Description

INFOID:000000006054122

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 from Intelligent Key.
Combination switch (Lighting & turn signal switch)	Refer to BCS-6, "COMBINATION SWITCH READING SYSTEM : System Description" .
<ul style="list-style-type: none"> • Door lock and unlock switch • Door request switch • Door key cylinder switch 	Inputs the lock/unlock signal to BCM.

COMPONENT PARTS

< SYSTEM DESCRIPTION >

Part	Description
Door switch	Inputs the door switch signal to BCM.
Trunk room lamp switch	Inputs the trunk room lamp switch signal to BCM.
Unlock sensor	Detects door lock condition of driver side door.
Optical sensor	Refer to EXL-8. "EXTERIOR LIGHTING SYSTEM : Component Description" .

SYSTEM

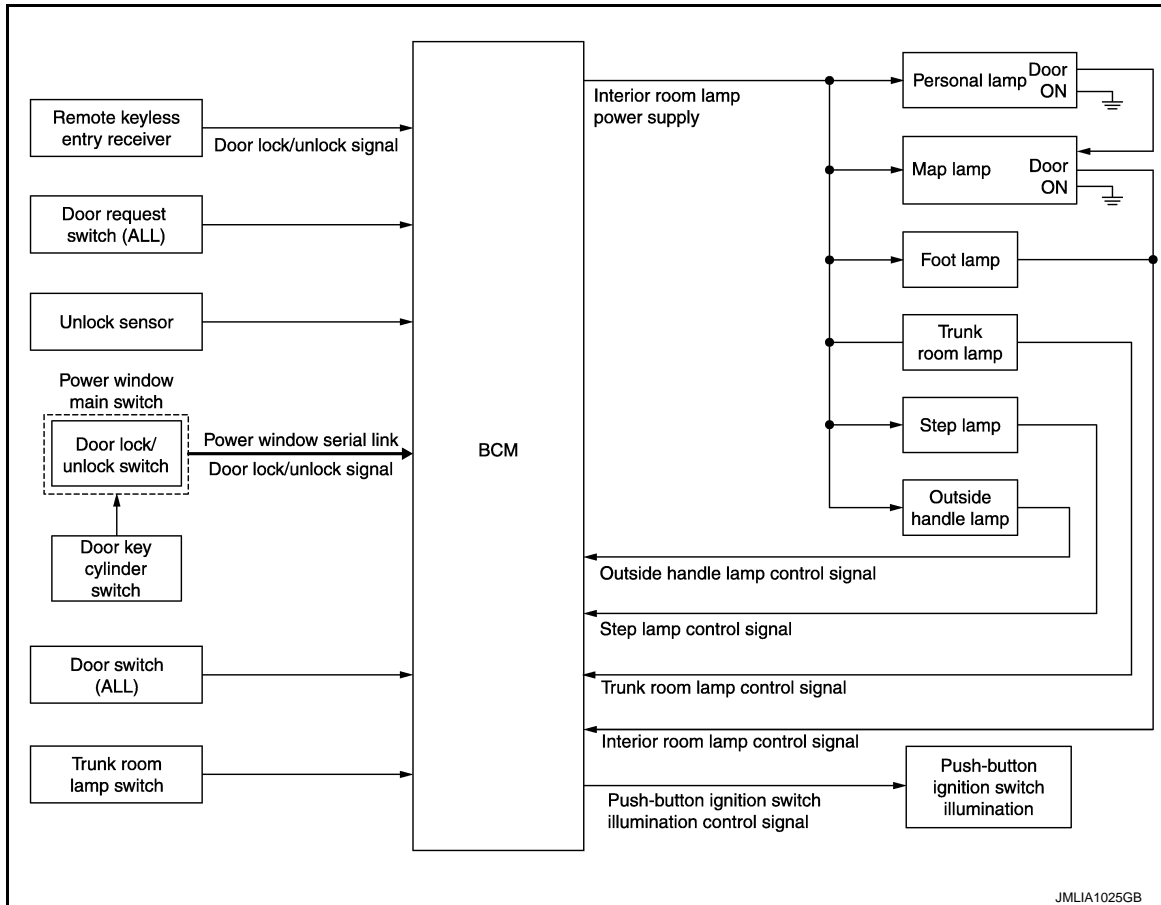
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SYSTEM

INTERIOR ROOM LAMP CONTROL SYSTEM

INTERIOR ROOM LAMP CONTROL SYSTEM : System Diagram

INFOID:000000006054123



INTERIOR ROOM LAMP CONTROL SYSTEM : System Description

INFOID:000000006054124

OUTLINE

- Interior room lamps* are controlled by interior room lamp timer control function of BCM.
*: Map lamp, foot lamp and personal lamp (when map lamp switch and personal lamp switch are in DOOR position).
- Step lamp is controlled by step lamp control function of BCM.
- Trunk room lamp is controlled by trunk room lamp control function of BCM.
- Outside handle lamp is controlled by outside handle lamp timer control function of BCM.
- Push-button ignition switch illumination is controlled by the push-button ignition switch illumination control function of BCM.
- Interior room lamps and outside handle lamp are illuminated by welcome light function of Intelligent Key system. Refer to [DLK-23. "WELCOME LIGHT FUNCTION : System Description"](#).

INTERIOR ROOM LAMP TIMER CONTROL

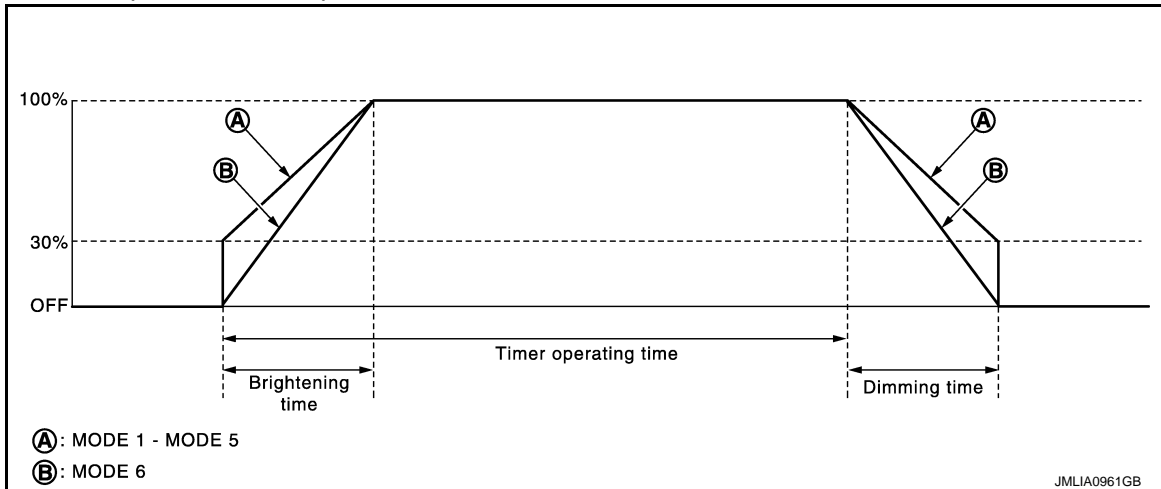
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Interior Room Lamp Timer Basic Operation



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.

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

NOTE:

Each function of interior room lamp timer can be set by CONSULT-III. Refer to [INL-15, "INT LAMP : CONSULT-III Function \(BCM - INT LAMP\)"](#).

Interior Room Lamp ON Operation

- BCM always turns the interior room lamp ON when any door opens.
- When all doors are closed, and any all door unlock operation is performed or ignition switch is turned OFF, BCM brightens interior room lamp to 30% brightness and maintains 30% brightness until any door opens.
- BCM activates the interior room timer in any of the following conditions to turn the interior room lamp ON for a period of time.
 - Any door opens before all doors close.
 - Ignition switch is turned ON → OFF.
 - Any door unlock signal is detected when all doors close with ignition switch OFF.

NOTE:

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

Interior Room Lamp OFF Operation

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

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

TRUNK ROOM LAMP CONTROL

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

STEP LAMP CONTROL

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

OUTSIDE HANDLE LAMP TIMER CONTROL

Outside Handle Lamp Timer Basic Operation

- BCM controls the ground to turn the outside handle lamp ON.
- The outside handle lamp turns ON and OFF by the outside handle lamp timer.
- BCM judges the vehicle condition with the following items. It activates the outside handle lamp timer.
 - Ignition switch status
 - Door switch signal
 - Door lock/unlock signal (remote keyless entry receiver, each door request switch)

SYSTEM

< SYSTEM DESCRIPTION >

- Driver side door lock status

Outside Handle Lamp ON Operation

BCM activates the outside handle lamp timer in any of the following conditions to turn the outside handle lamp ON for a period of time.

- Any door opens.
- Any door opens before all doors close.
- Ignition switch is turned ON → OFF.
- Door unlock signal by remote keyless entry receiver or each door request switch is detected.
- Driver side door is locked

NOTE:

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

Outside Handle Lamp OFF Operation

BCM stops the timer in any of the following conditions to turns the outside handle lamp OFF.

- The outside handle lamp timer operating time is expired.
- The interior room lamp OFF conditions.
- The interior room lamp timer operating time is expired.

PUSH-BUTTON IGNITION SWITCH ILLUMINATION CONTROL

Push-button Ignition Switch Illumination Basic Operation

BCM controls the ON/OFF status of push-button ignition switch illumination according to vehicle status.

Heart Beat Operation

BCM repeats brightening and dimming operation of push-button ignition switch illumination when any of the following conditions are satisfied.

- Welcome light function operates.
- When ignition switch is OFF and any of the following conditions are satisfied.
 - Driver door changes from closed to open
 - Intelligent Key ID comparison is OK and driver side door changes from open to closed
 - ID comparison by Intelligent Key transponder is OK
 - Driver door is unlocked

Illumination ON Operation

When ignition switch is change from OFF to ON, push-button ignition switch illumination turns ON.

Dimming Operation

When ignition switch is change from ON to OFF, driver side is open and driver side door unlocked, push-button ignition switch illumination dims to 50% brightness.

Illumination OFF Operation

Push-button ignition switch illumination turns OFF when ignition switch turns OFF, while push-button ignition switch illumination is in ON status.

When push-button ignition switch illumination is at 50% brightness or, when in heartbeat status any of the following conditions are satisfied, push-button ignition switch illumination turns OFF.

- Driver side door from unlock to lock.
- 15 seconds after start of heartbeat operation.
- When welcome light function is not operating and any on the following conditions is satisfied.
 - Driver side door is closed
 - Intelligent Key ID comparison is NG
 - Comparison of Intelligent Key ID by transponder is NG

INTERIOR ROOM LAMP BATTERY SAVER SYSTEM

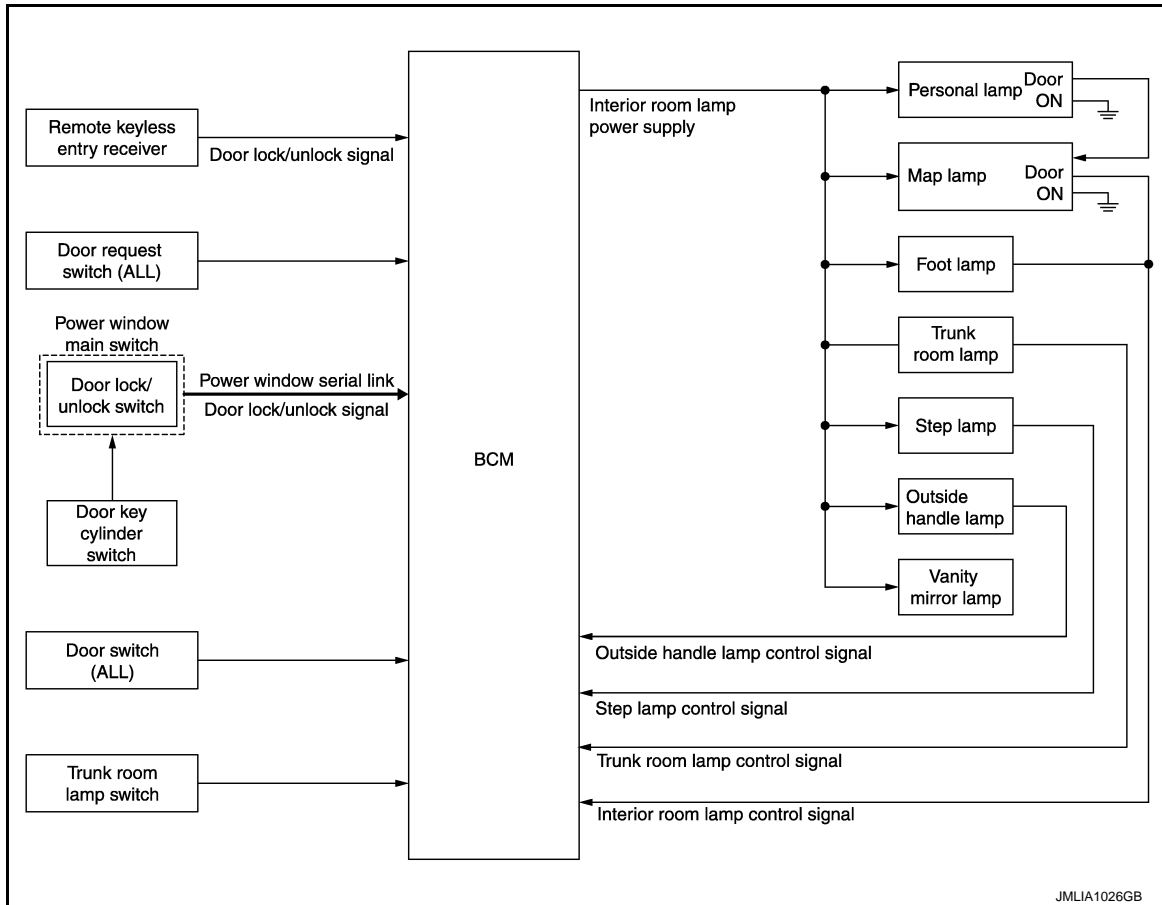
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< SYSTEM DESCRIPTION >

INTERIOR ROOM LAMP BATTERY SAVER SYSTEM : System Diagram

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INTERIOR ROOM LAMP BATTERY SAVER SYSTEM : System Description

INFOID:000000006054126

OUTLINE

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

Applicable lamps

- Map lamp
- Personal lamp
- Foot lamp
- Trunk room lamp
- Step lamp
- Outside handle lamp
- Vanity mirror lamp

INTERIOR ROOM LAMP BATTERY SAVER FUNCTION

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

NOTE:

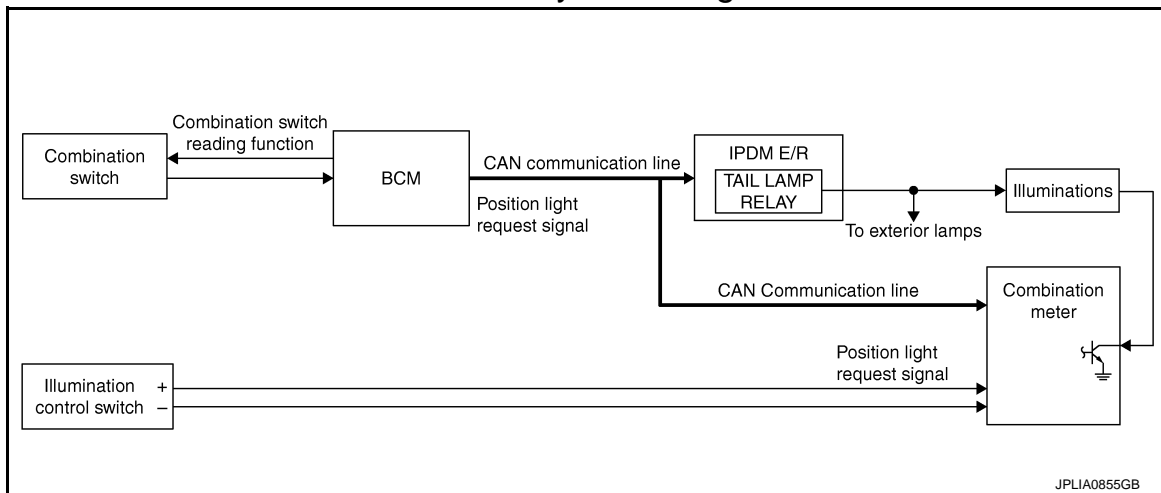
SYSTEM

< SYSTEM DESCRIPTION >

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

ILLUMINATION CONTROL SYSTEM

ILLUMINATION CONTROL SYSTEM : System Diagram



ILLUMINATION CONTROL SYSTEM : System Description

INFOID:000000006054128

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-13. "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).

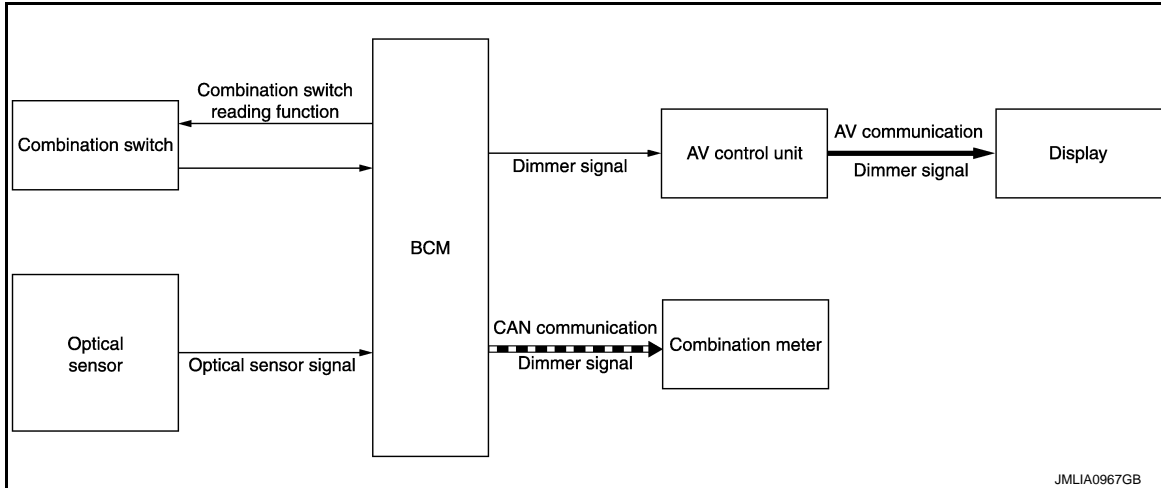
AUTO LIGHT ADJUSTMENT SYSTEM

SYSTEM

< SYSTEM DESCRIPTION >

AUTO LIGHT ADJUSTMENT SYSTEM : System Diagram

INFOID:000000006054129



AUTO LIGHT ADJUSTMENT SYSTEM : System Description

INFOID:000000006054130

OUTLINE

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

Control by BCM

- Auto light system
- Auto light adjustment system

AUTO LIGHT ADJUSTMENT SYSTEM

Description

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

NOTE:

As to dims/brightness timing, the sensitivity depends on settings. The settings can be changed with CONSULT-III. Refer to [EXL-25. "HEADLAMP : CONSULT-III Function \(BCM - HEAD LAMP\)".](#)

Auto Light Adjustment Timing Table

When the ignition switch is ON, the combination meter and display turns dims/brightness in the following condition.

Combination meter and display	Dims/brightness timing
Dims	Outside brightness is 1250 lx or less for 3 seconds or more.
Brightness	Outside brightness is 2500 lx or more for 5 seconds or more.

BCM turns combination meter and display dims when outside brightness obtained from the optical sensor signal is 1250 lx or less for 3 seconds or more. And BCM turns combination meter and display brightness when outside brightness from the optical sensor signal is 2500 lx or more for 5 seconds or more.

DIAGNOSIS SYSTEM (BCM)

< SYSTEM DESCRIPTION >

DIAGNOSIS SYSTEM (BCM)

COMMON ITEM

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

INFOID:000000006109638

APPLICATION ITEM

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

Diagnosis mode	Function Description
Work Support	Changes the setting for each system function.
Self Diagnostic Result	Displays the diagnosis results judged by BCM.
CAN Diag Support Monitor	Monitors the reception status of CAN communication viewed from BCM. Refer to CONSULT-III operation manual.
Data Monitor	The BCM input/output signals are displayed.
Active Test	The signals used to activate each device are forcibly supplied from BCM.
Ecu Identification	The BCM part number is displayed.
Configuration	<ul style="list-style-type: none"> • Read and save the vehicle specification. • Write the vehicle specification when replacing BCM.

SYSTEM APPLICATION

BCM can perform the following functions for each system.

NOTE:

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

x: Applicable item

System	Sub system selection item	Diagnosis mode		
		Work Support	Data Monitor	Active Test
Door lock	DOOR LOCK	×	×	×
Rear window defogger	REAR DEFOGGER		×	×
Warning chime	BUZZER		×	×
Interior room lamp timer	INT LAMP	×	×	×
Exterior lamp	HEAD LAMP	×	×	×
Wiper and washer	WIPER	×	×	×
Turn signal and hazard warning lamps	FLASHER	×	×	×
—	AIR CONDITONER*		×	×
<ul style="list-style-type: none"> • Intelligent Key system • Engine start system 	INTELLIGENT KEY	×	×	×
Combination switch	COMB SW		×	
Body control system	BCM	×		
IVIS - NATS	IMMU	×	×	×
Interior room lamp battery saver	BATTERY SAVER	×	×	×
Trunk lid open	TRUNK		×	
Vehicle security system	THEFT ALM	×	×	×
RAP system	RETAINED PWR		×	
Signal buffer system	SIGNAL BUFFER		×	×

*: This item is not used.

FREEZE FRAME DATA (FFD)

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

DIAGNOSIS SYSTEM (BCM)

< SYSTEM DESCRIPTION >

CONSULT screen item	Indication/Unit	Description	
Vehicle Speed	km/h	Vehicle speed of the moment a particular DTC is detected	
Odo/Trip Meter	km	Total mileage (Odometer value) of the moment a particular DTC is detected	
Vehicle Condition	SLEEP>LOCK	Power position status of the moment a particular DTC is detected	While turning BCM status from low power consumption mode to normal mode (Power supply position is "LOCK")
	SLEEP>OFF		While turning BCM status from low power consumption mode to normal mode (Power supply position is "OFF".)
	LOCK>ACC		While turning power supply position from "LOCK" to "ACC"
	ACC>ON		While turning power supply position from "ACC" to "IGN"
	RUN>ACC		While turning power supply position from "RUN" to "ACC" (Vehicle is stopping and selector lever is except P position.)
	CRANK>RUN		While turning power supply position from "CRANKING" to "RUN" (From cranking up the engine to run it)
	RUN>URGENT		While turning power supply position from "RUN" to "ACC" (Emergency stop operation)
	ACC>OFF		While turning power supply position from "ACC" to "OFF"
	OFF>LOCK		While turning power supply position from "OFF" to "LOCK"
	OFF>ACC		While turning power supply position from "OFF" to "ACC"
	ON>CRANK		While turning power supply position from "IGN" to "CRANKING"
	OFF>SLEEP		While turning BCM status from normal mode (Power supply position is "OFF".) to low power consumption mode
	LOCK>SLEEP		While turning BCM status from normal mode (Power supply position is "LOCK".) to low power consumption mode
	LOCK		Power supply position is "LOCK" (Ignition switch OFF with steering is locked.)
	OFF		Power supply position is "OFF" (Ignition switch OFF with steering is unlocked.)
	ACC		Power supply position is "ACC" (Ignition switch ACC)
	ON		Power supply position is "IGN" (Ignition switch ON with engine stopped)
	ENGINE RUN		Power supply position is "RUN" (Ignition switch ON with engine running)
CRANKING	Power supply position is "CRANKING" (At engine cranking)		
IGN Counter	0 - 39	<p>The number of times that ignition switch is turned ON after DTC is detected</p> <ul style="list-style-type: none"> • The number is 0 when a malfunction is detected now. • The number increases like 1 → 2 → 3...38 → 39 after returning to the normal condition whenever ignition switch OFF → ON. • The number is fixed to 39 until the self-diagnosis results are erased if it is over 39. 	

INT LAMP

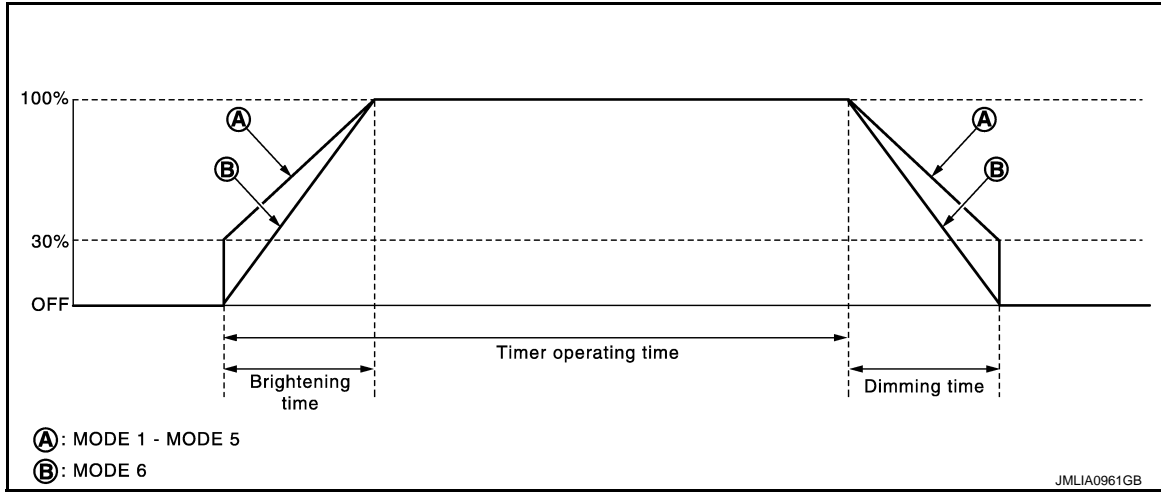
DIAGNOSIS SYSTEM (BCM)

< SYSTEM DESCRIPTION >

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

INFOID:000000006054132

WORK SUPPORT



Service item	Setting item	Setting
SET I/L D-UNLCK INTCON	On*	With the interior room lamp timer function
	Off	Without the interior room lamp timer function
ROOM LAMP TIMER SET	MODE 2	7.5 sec.
	MODE 3*	15 sec.
	MODE 4	30 sec.
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.
	MODE 6*	Gradually brightens from 0% to 100% brightness in 1 second.
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.
	MODE 6*	Gradually dims from 100% to 0% in 1 second.
R LAMP TIMER LOGIC SET	MODE 1*	Interior room lamp timer activates with synchronizing all doors.
	MODE 2	Interior room lamp timer activates with synchronizing the driver door only.

*: Factory setting

DATA MONITOR

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

DIAGNOSIS SYSTEM (BCM)

< SYSTEM DESCRIPTION >

Monitor item [Unit]	Description
REQ SW-RR [On/Off]	NOTE: The item is indicated, but not monitored.
REQ SW-RL [On/Off]	
PUSH SW [On/Off]	Push switch status received from Intelligent Key unit via CAN communication
UNLK SEN -DR [On/Off]	Driver door unlock status input from unlock sensor
DOOR SW-DR [On/Off]	The switch status input from front door switch (driver side)
DOOR SW-AS [On/Off]	The switch status input from front door switch (passenger side)
DOOR SW-RR [On/Off]	The switch status input from rear door switch RH
DOOR SW- RL [On/Off]	The switch status input from rear door switch LH
DOOR SW- BK [On/Off]	NOTE: The item is indicated, but not monitored.
CDL LOCK SW [On/Off]	Lock switch status input from door lock and unlock switch
CDL UNLOCK SW [On/Off]	Unlock switch status input from door lock and unlock switch
KEY CYL LK-SW [On/Off]	Lock switch status received from key cylinder lock/unlock switch
KEY CYL UN-SW [On/Off]	Unlock switch status received from key cylinder lock/unlock switch
TRNK/HAT MNTR [On/Off]	The switch status input from trunk room lamp switch
RKE-LOCK [On/Off]	Lock signal status received from remote keyless entry receiver
RKE-UNLOCK [On/Off]	Unlock signal status received from remote keyless entry receiver

ACTIVE TEST

Test item	Operation	Description
INT LAMP	On	Outputs the interior room lamp control signal to turn the interior room lamps ON. [Map lamp, personal lamp, foot lamp (when applicable lamps switch is in DOOR position.)]
	Off	Stops the interior room lamp control signal to turn the interior room lamps OFF.
STEP LAMP TEST	On	Outputs the step lamp control signal to turn the step lamps ON.
	Off	Stops the step lamp control signal to turn the step lamps ON.

BATTERY SAVER

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

INFOID:000000006054133

WORK SUPPORT

Service item	Setting item	Setting	
ROOM LAMP TIMER SET	MODE 1*	30 min.	Sets the interior room lamp battery saver timer operating time.
	MODE 2	60 min.	

DIAGNOSIS SYSTEM (BCM)

< 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

Monitor item [Unit]	Description
REQ SW-DR [On/Off]	The switch status input from request switch (driver side)
REQ SW-AS [On/Off]	The switch status input from front request switch (passenger side)
REQ SW-RR [On/Off]	NOTE: The item is indicated, but not monitored.
REQ SW-RL [On/Off]	
PUSH SW [On/Off]	Push switch status received from Intelligent Key unit by CAN communication
UNLK SEN-DR [On/Off]	Driver door unlock status input from unlock sensor
DOOR SW-DR [On/Off]	The switch status input from front door switch (driver side)
DOOR SW-AS [On/Off]	The switch status input from front door switch (passenger side)
DOOR SW-RR [On/Off]	The switch status input from rear door switch RH
DOOR SW- RL [On/Off]	The switch status input from rear door switch LH
DOOR SW- BK [On/Off]	NOTE: The item is indicated, but not monitored.
CDL LOCK SW [On/Off]	Lock switch status input from door lock and unlock switch
CDL UNLOCK SW [On/Off]	Unlock switch status input from door lock and unlock switch
KEY CYL LK-SW [On/Off]	Lock switch status received from key cylinder lock/unlock switch
KEY CYL UN-SW [On/Off]	Unlock switch status received from key cylinder lock/unlock switch
TRNK/HAT MNTR [On/Off]	The switch status input from trunk room lamp switch
RKE-LOCK [On/Off]	Lock signal status received from remote keyless entry receiver
RKE-UNLOCK [On/Off]	Unlock signal status received from remote keyless entry receiver

ACTIVE TEST

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

*: Each lamp switch is in ON position.

BCM

< ECU DIAGNOSIS INFORMATION >

ECU DIAGNOSIS INFORMATION

BCM

List of ECU Reference

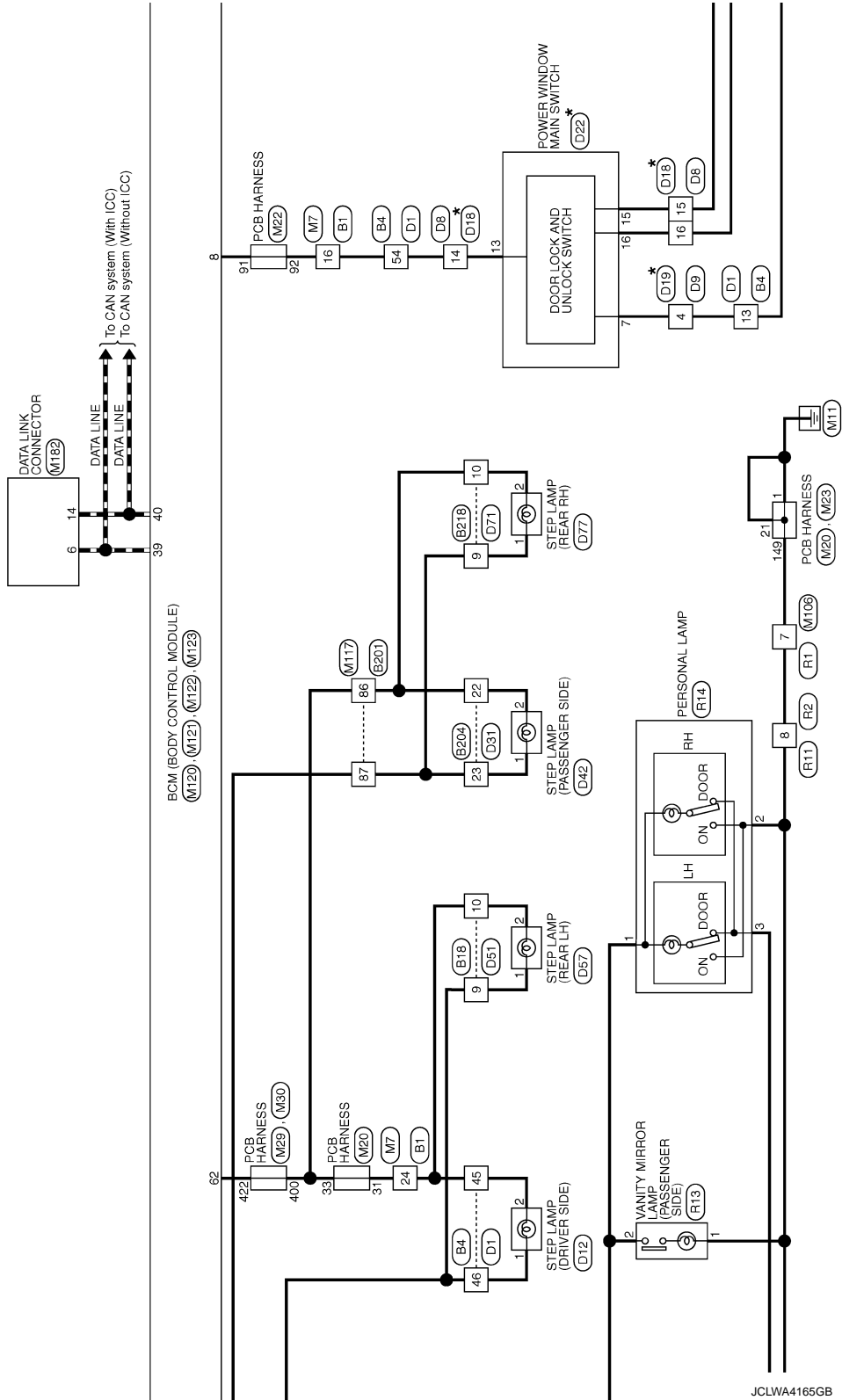
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ECU	Reference
BCM	BCS-32. "Reference Value"
	BCS-52. "Fail-safe"
	BCS-54. "DTC Inspection Priority Chart"
	BCS-55. "DTC Index"

INTERIOR ROOM LAMP CONTROL SYSTEM

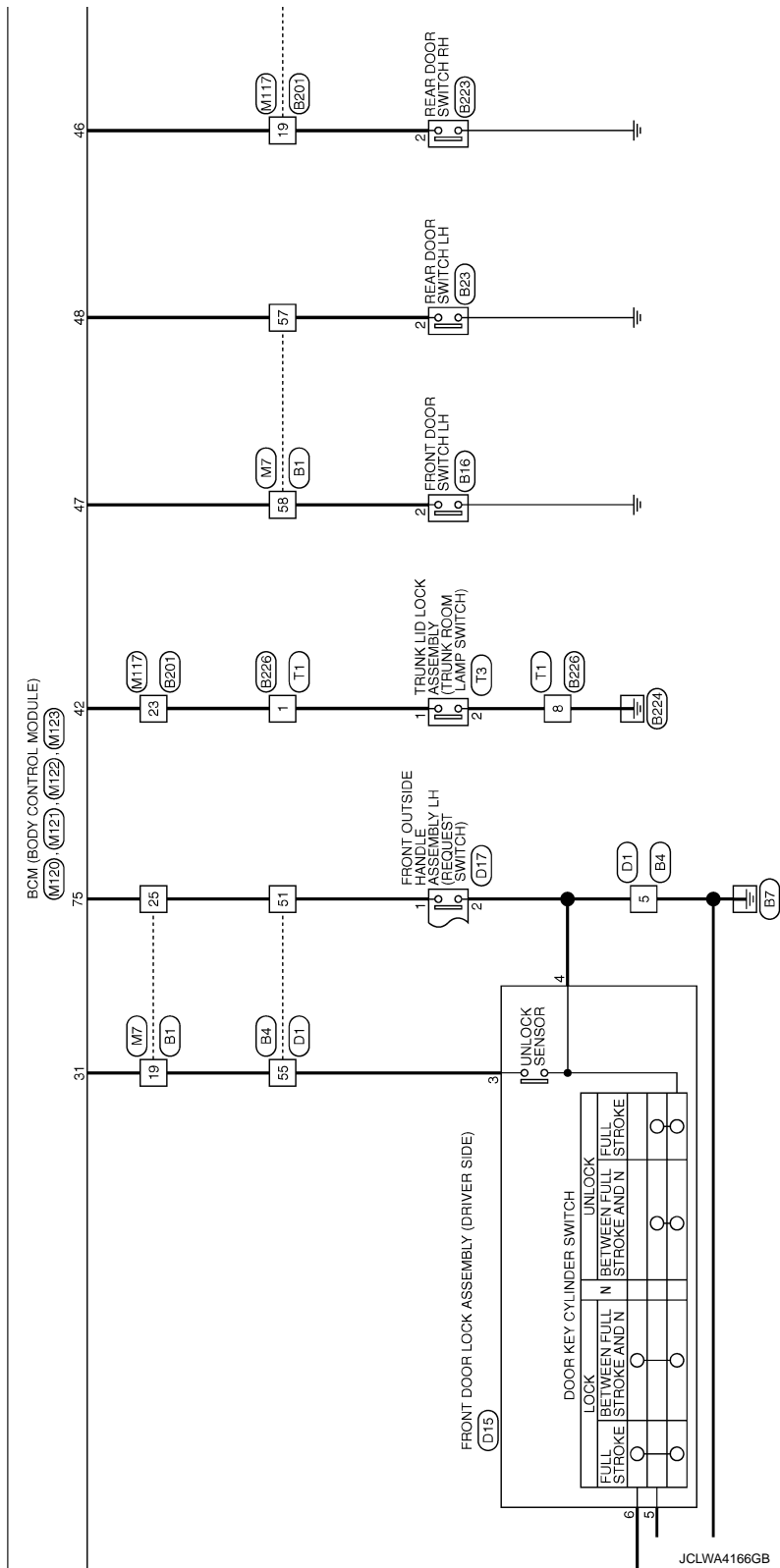
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*: This connector is not shown in "Harness Layout".



INTERIOR ROOM LAMP CONTROL SYSTEM

< WIRING DIAGRAM >

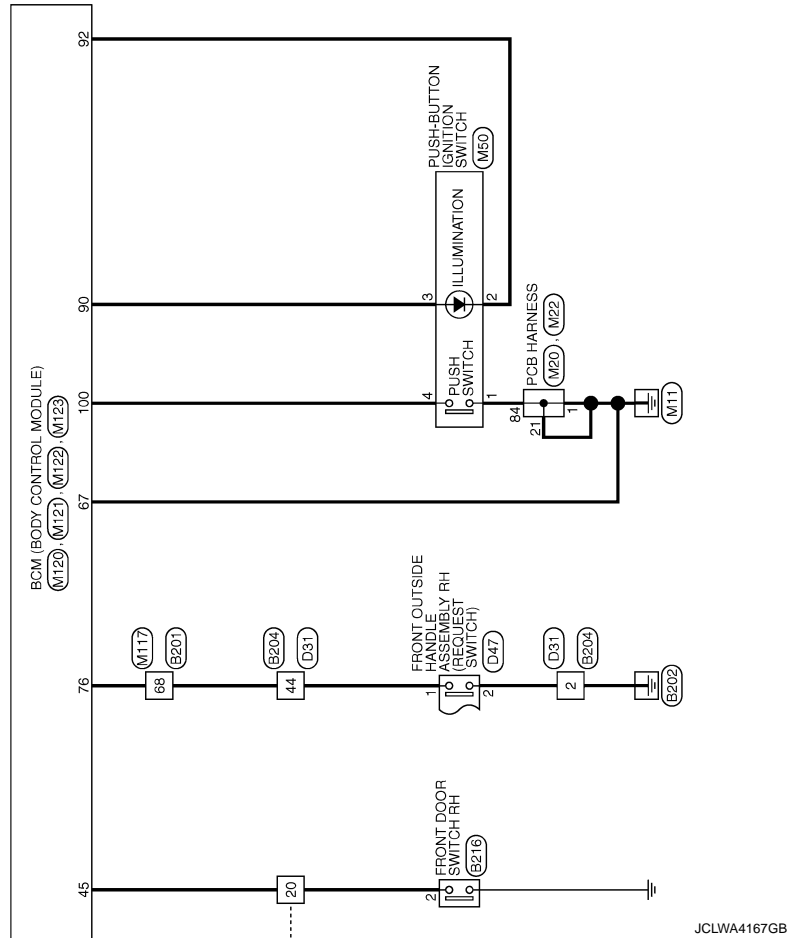


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INTERIOR ROOM LAMP CONTROL SYSTEM

< WIRING DIAGRAM >

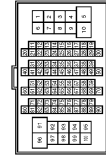


INTERIOR ROOM LAMP CONTROL SYSTEM

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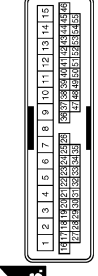
INTERIOR ROOM LAMP CONTROL SYSTEM

Connector No.	B1
Connector Name	WIRE TO WIRE
Connector Type	TH03FW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	W	-
4	LG	-
5	P	-
6	V	-
7	GR	-
8	Y	-
9	LG	-
10	V	-
11	GR	- [With Climate controlled seat]
11	L	- [With heated seat]
12	P	- [With Climate controlled seat]
12	GR	- [With heated seat]
13	BR	-
14	R	-
15	O	-
16	V	-
17	B	-
18	R	-
19	W	-
20	R	-
21	B	-
22	LG	-
23	V	-
24	Y	-
25	G	-
26	GR	-
27	SB	-
28	P	- [With Pre-crash seat belt system]
28	L/O	- [Without Pre-crash seat belt system]
29	L	- [With Pre-crash seat belt system]
29	W/L	- [Without Pre-crash seat belt system]
30	SHIELD	-
32	L	-
33	R	-
34	L	-
35	R	-
36	G	-

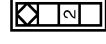
Connector No.	B4
Connector Name	WIRE TO WIRE
Connector Type	TH40MM-CS15



Terminal No.	Color of Wire	Signal Name [Specification]
5	B/W	-
6	L	-
7	R	-
8	B	-
9	W	-
10	LG	-
11	P	-
12	GR	-
13	B/W	-
14	SB	-
15	O	-
16	G	-
17	Y	-
18	BR	-
19	GR	-
20	O	-
21	LG	-
22	L	-
23	SB	-
24	V	-
27	V	-
28	W	-
29	SB	-
30	L	-
31	LG	-
32	O	-
33	V	-
34	BR	-
35	B/R	-
36	P	-
37	BR	-
38	W	-
39	O	-
40	L	-
41	SHIELD	-
42	L	- [With Pre-crash seat belt system]
42	W/L	- [Without Pre-crash seat belt system]
43	P	- [With Pre-crash seat belt system]

43	L/O	- [Without Pre-crash seat belt system]
44	R	-
45	Y	-
46	V	-
47	SB	-
48	GR	-
49	LG	-
50	B	-
51	G	-
52	R	-
53	B	-
54	V	-
55	W	-

Connector No.	B16
Connector Name	FRONT DOOR SWITCH LH
Connector Type	A03FW



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

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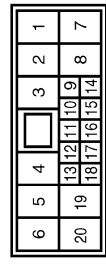
INL

INTERIOR ROOM LAMP CONTROL SYSTEM

< WIRING DIAGRAM >

INTERIOR ROOM LAMP CONTROL SYSTEM

Connector No.	B18
Connector Name	WIRE TO WIRE
Connector Type	INHUPW-CS10

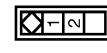


Connector No.	B47
Connector Name	TRUNK ROOM LAMP
Connector Type	CO2EW



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	
2	P	
3	R	
4	G	
7	B/W	
8	W	
9	V	
10	Y	
11	L	
12	Y	
13	B	

Connector No.	B23
Connector Name	REAR DOOR SWITCH LH
Connector Type	AUSFW



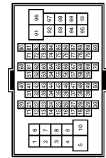
Terminal No.	Color of Wire	Signal Name [Specification]
1	V	
2	L	

Connector No.	B48
Connector Name	DIODE
Connector Type	24335-C3902



Terminal No.	Color of Wire	Signal Name [Specification]
1	P	
2	L	

Connector No.	B201
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS1E-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
3	R	
17	GR	

Terminal No.	Color of Wire	Signal Name [Specification]
18	P	
19	BR	
20	GR	
21	Y	
22	GR	
23	R	
24	V	
25	B	
26	W	
27	O	
28	V	
29	P	
30	O	
31	B/R	
32	Y	
40	SHIELD	
41	W/R	
42	V	
44	P	
45	S5	
46	R	
47	G	
47	GR	
48	V	
49	O	
50	R	
51	GR	
52	LG	
53	P	
56	P	
57	W	
58	O	
59	Y	
61	S5	
62	L	
63	W	
66	L	
67	Y	
68	S5	
69	B	
70	R	
76	SHIELD	
77	G	
78	R	
79	P	
80	G	
81	P	
82	BR	
83	GR	
84	V	
85	LG	

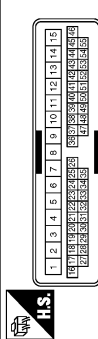
Terminal No.	Color of Wire	Signal Name [Specification]
86	W	
87	O	
88	Y	
89	BR	
90	L	
91	BR	
93	Y	
94	GR	
96	W	
97	P	
98	LG	
99	LG	
100	Y	

INTERIOR ROOM LAMP CONTROL SYSTEM

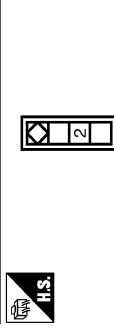
< WIRING DIAGRAM >

INTERIOR ROOM LAMP CONTROL SYSTEM

Connector No.	B204
Connector Name	WIRE TO WIRE
Connector Type	TH010W-CS15



Connector No.	B216
Connector Name	FRONT DOOR SWITCH RH
Connector Type	A03RW



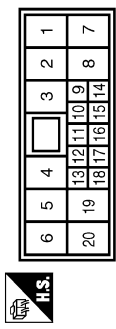
Connector No.	B223
Connector Name	REAR DOOR SWITCH RH
Connector Type	A03RW



Terminal No.	Color of Wire	Signal Name [Specification]
2	B/W	-
3	B/W	-
5	Y	-
9	R	-
10	P	-
11	V	-
12	Y	-
13	BR	-
14	LG	-
15	GR	-
16	G	-
17	B	-
18	BR	-
18	GR	-
20	V	-
21	LG	-
22	W	-
23	O	-
24	Y	-
25	BR	-
26	L	-
32	G	-
33	R	-
34	SHIELD	-
35	P	-
36	B/R	-
37	BR	-
38	SB	-
39	P	-
44	SB	-
45	R	-
46	B	-

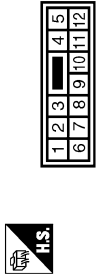
Terminal No.	2
Color of Wire	GR
Signal Name [Specification]	-

Connector No.	B218
Connector Name	WIRE TO WIRE
Connector Type	NH10PW-CS10



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

Connector No.	B226
Connector Name	WIRE TO WIRE
Connector Type	NS12MW-CS



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

Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	GR	-
3	V	-
5	W	-
6	B	-
7	O	-
8	B/R	-
9	L	-
10	L/W	-
11	W	- [With NAV]
11	L/R	- [Without NAV]
12	SHIELD	-

JCLWA4170GB

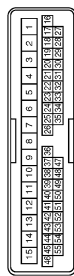
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INTERIOR ROOM LAMP CONTROL SYSTEM

< WIRING DIAGRAM >

INTERIOR ROOM LAMP CONTROL SYSTEM


Connector No.	D1
Connector Name	WIRE TO WIRE
Connector Type	TH4DFW-CS15



Terminal No.	Color of Wire	Signal Name [Specification]
5	B	-
6	L	-
7	R	-
8	GR	-
9	G	-
10	LG	-
11	P	-
12	LG	-
13	B/W	-
14	Y	-
15	O	-
16	R	-
17	Y	-
18	BR	-
19	W	-
20	O	-
21	GR	-
22	G	-
23	LG	-
24	B	-
27	V	-
28	W	-
29	GR	-
30	G	-
31	Y	-
32	O	-
33	BR	-
34	L	-
35	P	-
36	V	-
37	GR	-
38	O	-
39	W	-
40	R	-
41	SHIELD	-
42	L	-
43	P	-
44	V	-


45	LG	-
46	BR	-
47	L	-
48	Y	-
49	P	-
50	B/W	-
51	G	-
52	Y	-
53	B/W	-
54	W	-
55	W	-

Connector No.	D8
Connector Name	WIRE TO WIRE
Connector Type	TH24FW-NH




Terminal No.	Color of Wire	Signal Name [Specification]
4	P	-
7	Y	-
8	V	-
9	GR	-
10	G	-
11	W	-
12	O	-
13	O	-
14	W	-
15	R	-
16	G	-
19	BR	-
20	LG	-
21	R	-
23	B	-
24	V	-

Connector No.	D9
Connector Name	WIRE TO WIRE
Connector Type	NS308FW-CS




Terminal No.	Color of Wire	Signal Name [Specification]
2	LG	-
3	O	-
4	B/W	-
5	L	-
6	G	-
7	Y	-
8	B	-

Connector No.	D12
Connector Name	STEP LAMP (DRIVER SIDE)
Connector Type	TE202FW




Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	-
2	LG	-

Connector No.	D15
Connector Name	FRONT DOOR LOOK ASSEMBLY (DRIVER SIDE)
Connector Type	ED8FGY-RS



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

Connector No.	D17
Connector Name	FRONT OUTSIDE HANDLE ASSEMBLY LH
Connector Type	SAZ08FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	B	-
3	V	-
4	B/W	-

INTERIOR ROOM LAMP CONTROL SYSTEM

< WIRING DIAGRAM >

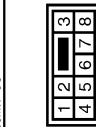
INTERIOR ROOM LAMP CONTROL SYSTEM

Connector No.	D18
Connector Name	WIRE TO WIRE
Connector Type	TH43MW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
4	P	
7	R/V	
8	V	
9	V/B	
10	L/Y	
11	V/W	
12	O	
13	LG	
14	V	
15	BR	
16	GR	
18	V	
20	SB	
21	R	
23	LG	
24	SB	

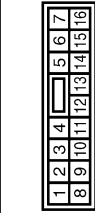
Connector No.	D19
Connector Name	WIRE TO WIRE
Connector Type	NS08MW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
2	LG	
3	O	
4	B	
5	L	
6	G	
7	Y	

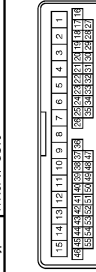
8	B	-
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Connector No.	D22
Connector Name	POWER WINDOW MAIN SWITCH
Connector Type	NS18PW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
3	B	ENCODER +
4	Y	+B
5	G	MOTOR DN DR
6	L	MOTOR UP DR
7	B	GND
9	O	IGN
10	LG	ENCODER GND
11	P	ENCODER SIG1
12	LG	ENCODER SIG2
13	V	COM
15	BR	LOCK SW
16	GR	UNLOCK SW

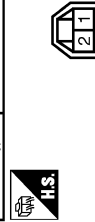
Connector No.	D31
Connector Name	WIRE TO WIRE
Connector Type	TH40PW-CS15



Terminal No.	Color of Wire	Signal Name [Specification]
2	B	
3	B/W	
5	GR	
8	V	
10	R	
11	L	
12	Y	

13	BR	-
14	G	-
15	SB	-
16	G	-
17	O	-
18	BR	-
19	GR	-
20	V	-
21	LG	-
22	SB	-
23	G	-
24	Y	-
25	BR	-
26	L	-
32	L/O	-
33	W/L	-
34	SHIELD	-
35	W	-
36	L	-
37	P	-
38	SB	-
39	O	-
44	SB	-
45	R	-
46	B/W	-

Connector No.	D42
Connector Name	STEP LAMP (PASSENGER SIDE)
Connector Type	TE02FW



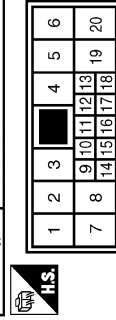
Terminal No.	Color of Wire	Signal Name [Specification]
1	G	
2	SB	

Connector No.	D47
Connector Name	FRONT OUTSIDE HANDLE ASSEMBLY RH
Connector Type	SAZ08FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	SB	
2	B	
3	R	
4	B/W	

Connector No.	D51
Connector Name	WIRE TO WIRE
Connector Type	NH10MW-CS10



Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	
2	V	
3	R	
4	L	
7	B	
8	P	
9	W	
10	V	
11	L	
12	LG	
13	B	

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INTERIOR ROOM LAMP CONTROL SYSTEM

< WIRING DIAGRAM >

INTERIOR ROOM LAMP CONTROL SYSTEM

Connector No.	D57
Connector Name	STEP LAMP (REAR LH)
Connector Type	1B02FW



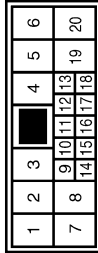
Connector No.	D77
Connector Name	STEP LAMP (REAR RH)
Connector Type	1B02FW



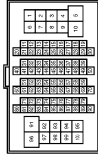
Terminal No.	Color of Wire	Signal Name [Specification]
1	W	
2	V	

Terminal No.	Color of Wire	Signal Name [Specification]
1	W	
2	V	

Connector No.	D71
Connector Name	WIRE TO WIRE
Connector Type	NH10MW-CS10



Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	TH80PW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	
2	V	
3	R	
4	L	
7	B	
8	P	
9	W	
10	V	
11	L	
12	LG	
13	B	

Terminal No.	Color of Wire	Signal Name [Specification]
1	P	
2	W	
3	SB	
4	LG	
5	O	
7	GR	
8	G	
9	Y	
10	BR	
11	SB	
12	V	
13	GR	
14	GR	
15	V	
16	Y	
17	GR	
18	V	
20	BR	
21	P	
22	L	

Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS08FW-M2



Terminal No.	Color of Wire	Signal Name [Specification]
1A	R	
2A	Y	
3A	W	
4A	W	
5A	V	
6A	Y	
8A	Y	

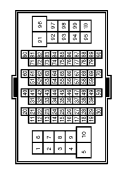
23	P	
27	SHIELD	
28	L/O	
29	W/L	
31	BR	
32	G	
33	O	
34	Y	
40	BR	
41	BR	
42	L	
43	P	
44	W	
45	L	
46	GR	
47	V	
48	G	
49	O	
50	LG	
60	W	
61	G	
62	Y	
63	BR	
64	B	
65	Y	
66	R	
67	SB	
77	O	
78	SB	
80	G	
81	R	
82	SB	
83	GR	
84	Y	
85	Y	
86	L	
87	V	
88	BR	
89	LG	
90	W	
91	W	
92	P	
93	LG	
94	BR	
95	W	
96	R	
97	R	
98	Y	
99	V	
100	V	

INTERIOR ROOM LAMP CONTROL SYSTEM

< WIRING DIAGRAM >

INTERIOR ROOM LAMP CONTROL SYSTEM

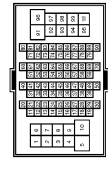
Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4



50	W	-
51	GR	-
52	B	-
53	LG	-
54	BR	-
55	L	-
56	R	-
57	P	-
58	L	-
59	B	-
60	V	-
61	G	-
62	L	-
63	BR	-
64	L	-
65	R	-
66	P	-
67	L	-
68	B	-
69	V	-
70	G	-
71	L	-
72	BR	-
73	B	-
74	V	-
75	G	-
76	L	-
77	BR	-
78	B	-
79	SB	-
80	LG	-
81	SB	-
82	Y	-
83	W	-
84	SB	-
85	Y	-
86	L	-
87	V	-
88	V	-
89	LG	-
90	BG	-
91	W	-
92	BG	-
93	G	-
94	Y	-
95	W	-
96	R	-
97	SB	-
98	R	-
99	W	-
100	L	-

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

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



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	Y	-
4	BR	-
5	P	-

63	BR	-
65	W	-
66	R	-
67	V	-
68	LG	-
69	SB	-
70	V	-
72	L	-
73	P	-
74	L	-
75	P	-
76	G	-
77	Y	-
78	SB	-
79	W	-
81	LG	-
82	BR	-
83	BG	-
84	B	-
85	W	-
86	G	-
87	R	-
88	G	-
91	W	-
92	G	-
96	W	-
97	BG	-
98	V	-
99	LG	-

6	W	-
7	G	-
8	Y	-
9	G	-
10	V	-
11	L	- [With Climate controlled seat]
12	P	- [With heater seat]
13	GR	- [With Climate controlled seat]
14	BR	-
15	BG	-
16	V	-
17	BG	- [With ICC]
18	B	- [Without ICC]
19	W	-
20	R	-
21	B	-
22	LG	-
23	W	-
24	V	-
25	G	-
26	BR	-
27	SB	-
28	P	-
29	L	-
30	SHIELD	-
32	L	-
33	P	-
34	L	-
35	P	-
36	BG	-
37	SB	-
40	SHIELD	-
41	SB	-
42	V	-
45	W	-
47	L	-
48	LG	-
49	BR	-
50	V	-
51	V	-
52	P	-
53	BG	-
56	SB	-
57	P	-
58	LG	-
59	V	-
60	GR	-
61	B	-
62	LG	-

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INTERIOR ROOM LAMP CONTROL SYSTEM

< WIRING DIAGRAM >

INTERIOR ROOM LAMP CONTROL SYSTEM

Connector No.	M20
Connector Name	PCB HARNESS
Connector Type	TH40FB-NH



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]
1	B	
11	BR	
12	R	
14	L	
15	B	
17	R	
19	W	
20	R	
21	B	
22	R	
23	L	
24	L	
27	P	
30	SHIELD	
31	V	
33	V	
35	L	
36	P	
38	L	
40	Y	

Connector No.	M22
Connector Name	PCB HARNESS
Connector Type	TH40FB-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]
82	P	
83	L	
84	P	

Connector No.	M23
Connector Name	PCB HARNESS
Connector Type	TH40FW-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]
84	B	
85	B	
86	B	
87	B	
88	B	
89	Y	
91	V	
92	V	
93	B	
94	B	
95	LG	
96	BR	
97	G	
98	G	
99	G	
100	G	
101	L	
102	P	
103	B	
104	BR	
105	R	
107	Y	
108	Y	
109	BR	
110	Y	
111	Y	
112	B	
113	P	
114	L	
116	B	
117	B	
117	BG	[With VK engine]
118	B	
119	G	
120	V	

Connector No.	M23
Connector Name	PCB HARNESS
Connector Type	TH40FW-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]
121	R	
122	R	

Connector No.	M29
Connector Name	PCB HARNESS
Connector Type	TH40FB-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]
122	V	
123	BG	
124	BG	
126	BR	
130	B	
131	SB	
132	LG	
133	L	
135	P	
137	Y	
138	L	
139	P	
140	L	
141	W	
142	W	
144	P	
145	R	
146	LG	
147	B	
148	L	
149	B	
150	P	
151	L	
152	B	
153	W	
154	W	
155	W	
157	W	
158	R	
159	R	

Connector No.	M29
Connector Name	PCB HARNESS
Connector Type	TH40FB-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]
361	W	
362	W	
363	Y	
366	B	
367	B	
368	G	

Connector No.	M29
Connector Name	PCB HARNESS
Connector Type	TH40FB-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]
373	BR	
374	BG	
375	BG	
376	V	
377	V	
378	B	
379	R	
380	R	
381	G	
382	V	
383	GR	
384	GR	
385	P	
386	L	
387	R	
388	L	
400	V	

Connector No.	M29
Connector Name	PCB HARNESS
Connector Type	TH40FB-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]
361	W	
362	W	
363	Y	
366	B	
367	B	
368	G	

INTERIOR ROOM LAMP CONTROL SYSTEM

< WIRING DIAGRAM >

INTERIOR ROOM LAMP CONTROL SYSTEM



Connector No.	M30
Connector Name	POB HARNESS
Connector Type	TH40FW-NH

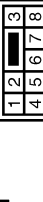
Connector No.	M50
Connector Name	PUSH-BUTTON IGNITION SWITCH
Connector Type	TK08FB




Connector No.	M105
Connector Name	WIRE TO WIRE
Connector Type	TH40FW-NH

Connector No.	M106
Connector Name	WIRE TO WIRE
Connector Type	NS08MH-CS

Terminal No.	Color of Wire	Signal Name [Specification]
402	R	-
403	R	-
407	V	-
408	B	-
409	B	-
410	B	-
411	B	-
413	Y	-
414	BR	-
416	LG	-
417	B	-
419	SB	-
420	SHIELD	-
422	V	-
427	P	-
428	V	-
429	P	-
430	LG	-
431	B	-
432	Y	-
435	V	-
436	BG	-
437	B	-
438	P	-
439	L	-

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

Connector No.	M104
Connector Name	REMOTE KEYLESS ENTRY RECEIVER
Connector Type	TH04FW-NH




Terminal No.	Color of Wire	Signal Name [Specification]
2	R	-
3	B	-
5	LG	-
6	P	-
7	L	-
8	P	-
9	B	-
10	W	-
11	W	-
12	SB	-
14	SB	-
15	BR	-
16	V	-
18	Y	-
19	B	-
20	V	-
22	EG	-
23	B	-
25	W	-
30	R	-
31	BR	-
32	L	-
33	P	-
34	LG	-
35	W	-
36	LG	-
37	L	-
38	R	-

Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
3	R	-
4	BG	-
5	Y	-
6	R	-
7	B	-
8	L	-

Connector No.	M114
Connector Name	FOOT LAMP (PASSENGER SIDE)
Connector Type	CO2FW




Terminal No.	Color of Wire	Signal Name [Specification]
1	B	GND
2	BR	SIGNAL OUTPUT
3	GR	RSSI
4	R	BATTERY

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

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INTERIOR ROOM LAMP CONTROL SYSTEM

< WIRING DIAGRAM >

INTERIOR ROOM LAMP CONTROL SYSTEM

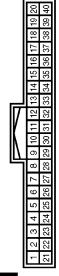
Connector No.	M117
Connector Name	WIRE TO WIRE
Connector Type	TH00PW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
3	Y	-
17	GR	-
18	P	-
19	BR	-
20	GR	-
21	Y	-
22	LG	-
23	R	-
24	BG	-
25	LG	-
26	W	-
27	R	-
28	V	-
29	P	-
30	B	-
31	G	-
32	Y	-
40	SHIELD	-
41	R	-
42	V	-
44	W	-
45	SB	-
46	L	- [With Climate controlled seat]
47	G	- [With Climate controlled seat]
48	V	- [With Climate controlled seat]
49	BG	-
50	LG	-
51	SB	-
52	Y	-
53	W	-
56	B	-
57	G	-
58	R	-
59	W	-
63	LG	-
62	V	-



Connector No.	M120
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FB-NH

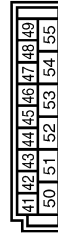


Terminal No.	Color of Wire	Signal Name [Specification]
1	G	RR WINDOW DEFG RLY CONT
2	BG	COMBI SW INPUT 5
3	SB	COMBI SW INPUT 4
4	SB	COMBI SW INPUT 3
5	G	COMBI SW INPUT 2
6	P	COMBI SW INPUT 1

INTERIOR ROOM LAMP CONTROL SYSTEM

Terminal No.	Color of Wire	Signal Name [Specification]
8	V	POWER WINDOW SW COMM
9	P	STOP LAMP SW 1
11	R	RAIN SENSOR SERIAL LINK
14	W	OPTICAL SENSOR
16	SB	DIMMER SIGNAL
17	Y	SENSOR DIMS SPLY
18	B	RECEIVER / SENSOR GND
19	R	RECEIVER PWR SPLY
20	BR	KYLS ENT RECEIVER COMM
21	P	NATS ANT AMP
22	GR	KYLS ENT RECEIVER HSSI
23	G	SECURITY IND CONT
24	L	DONGLE LINK
25	G	NATS ANT AMP
26	GR	F-KEY IDENTIFICATION
29	G	HAZARD SW
30	BG	TR LID OPNR SW
31	W	DR DOOR UNLK SENSOR
32	BR	COMBI SW OUTPUT 5
33	R	COMBI SW OUTPUT 4
34	V	COMBI SW OUTPUT 3
35	Y	COMBI SW OUTPUT 2
36	LG	COMBI SW OUTPUT 1
37	R	P POSITION
39	L	CAN-H
40	P	CAN-L

Connector No.	M121
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	FE409FB-FH4G-SA



Terminal No.	Color of Wire	Signal Name [Specification]
41	W	TR KEY CYLINDER SW
42	R	TR ROOM LAMP SW
44	V	TR LID OP CANCEL SW
45	GR	PASSENGER DOOR SW
46	BR	REAR RH DOOR SW
47	LG	DRIVER DOOR SW
48	P	REAR LH DOOR SW
49	SB	TR ROOM LAMP CONT
51	BG	TR LID OPEN REG SW
53	LG	TR LID OPEN OUTPUT

55	BR	RR DOOR UNLK OUTPUT
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Connector No.	M122
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	FE409FW-FH4G-SA



Terminal No.	Color of Wire	Signal Name [Specification]
56	R	INT ROOM LAMP PWR SPLY
57	R	BAT (FUSE)
58	L	AIR BAG
59	G	PASS DOOR UNLK OUTPUT
60	G	TURN SIG LH OUTPUT
61	V	TURN SIG RH OUTPUT
62	V	STEP LAMP CONT
63	L	ROOM LAMP TIMER CONT
65	V	ALL DOOR FL LID LOCK OUTPUT
66	LG	DR DOOR FL LID UNLK OUTPUT
67	B	CUP
68	BG	PW PWR SPLY (GN)
69	Y	PW PWR SPLY (BAT)
70	W	BAT (F/L)

INTERIOR ROOM LAMP CONTROL SYSTEM

< WIRING DIAGRAM >

INTERIOR ROOM LAMP CONTROL SYSTEM

Connector No.	M123
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	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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Connector No.	M181
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-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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Connector No.	M182
Connector Name	DATA LINK CONNECTOR
Connector Type	BD16FW

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
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Connector No.	R1
Connector Name	WIRE TO WIRE
Connector Type	NS06FW-CS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
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Terminal No.	Color of Wire	Signal Name [Specification]
72	B	OUTS HD LAMP OUTPUT
73	V	ON IND
75	G	DR DOOR REQ SW
76	SB	PASS DOOR REQ SW
78	BR	DRIVER DOOR ANT+
79	SB	DRIVER DOOR ANT-
80	LG	PASSENGER DOOR ANT+
81	V	PASSENGER DOOR ANT-
82	V	REAR BMR ANT+
83	SB	REAR BMR ANT-
84	BR	ROOM ANT1+
85	V	ROOM ANT1-
86	R	ROOM ANT2+
87	G	ROOM ANT2-
88	V	TRUNK ROOM ANT+
89	SB	TRUNK ROOM ANT-
90	R	PUSH-BTN IGN SW ILL PWR
91	GR	LOCK IND
92	B	PUSH-BTN IGN SW ILL GND
93	V	I-KEY WARN BUZZER
94	Y	S/L UNIT COMM
95	W	S/L UNIT PWR SPLY
96	SB	ACC RELAY CONT
97	SB	STARTER RELAY CONT
98	B	IGN RELAY (PDM E/R) CONT
99	R	IGN RELAY (F/B) CONT
100	BR	PUSH SW
102	BR	P/N POSITION
104	GR	A/T SHIFT SELECT PWR SPLY
105	R	STOP LAMP SW 2
106	B	BLWR RELAY CONT
107	L	S/L CONDITION1
108	P	S/L CONDITION2
109	Y	ACC IND

Terminal No.	Color of Wire	Signal Name [Specification]
3	LG	-
4	B	-
5	B	-
6	L	-
7	V	-
8	LG	-
11	SB	-
12	P	-
13	L	-
14	P	-
16	W	-

Connector No.	M186
Connector Name	FOOT LAMP (DRIVER SIDE)
Connector Type	CS2FW

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]
1	R	-
2	BR	-

Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
3	R	-
4	BG	-
5	Y	-
6	GR	-
7	B	-
8	BR	-

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INTERIOR ROOM LAMP CONTROL SYSTEM

< WIRING DIAGRAM >


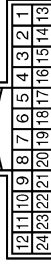
INTERIOR ROOM LAMP CONTROL SYSTEM

Connector No.	R2
Connector Name	WIRE TO WIRE
Connector Type	TH24FW-NH

Terminal No.	Color of Wire	Signal Name [Specification]
5	SHIELD	-
6	R	-
7	G	-
8	B	-
9	B	-
10	P	-
11	BR	-
12	R	-
17	LG	-
18	L	-
19	G	-
20	R	-
21	B	-
22	B	-
23	GR	-
24	P	-



Connector No.	RI1
Connector Name	WIRE TO WIRE
Connector Type	TH24FW-NH

Terminal No.	Color of Wire	Signal Name [Specification]
5	SHIELD	-
6	L	-
7	R	-
8	B	-
9	B/Y	-
10	G	-



11	SB	-
12	V	-
17	GR	-
18	BR	-
19	W	-
20	LG	-
21	P	-
22	O	-
23	W/R	-
24	L/B	-

Connector No.	RI2
Connector Name	VANITY MIRROR LAMP (DRIVER SIDE)
Connector Type	MCAD2FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
2	V	-

Connector No.	RI3
Connector Name	VANITY MIRROR LAMP (PASSENGER SIDE)
Connector Type	MCAD2FW

Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
2	V	-

Connector No.	RI4
Connector Name	PERSONAL LAMP
Connector Type	TH24FW-NH


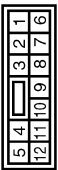
Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-
2	B	-
3	Y	-

Connector No.	RI5
Connector Name	MAP LAMP
Connector Type	TK08FGY






Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-
2	SB	-
3	B	-
4	Y	-
5	B/Y	-
6	G	-

Connector No.	TI
Connector Name	WIRE TO WIRE
Connector Type	NS12FW-CS

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

Connector No.	TI3
Connector Name	TRUNK LID LOCK ASSEMBLY
Connector Type	TB03FW-LC

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

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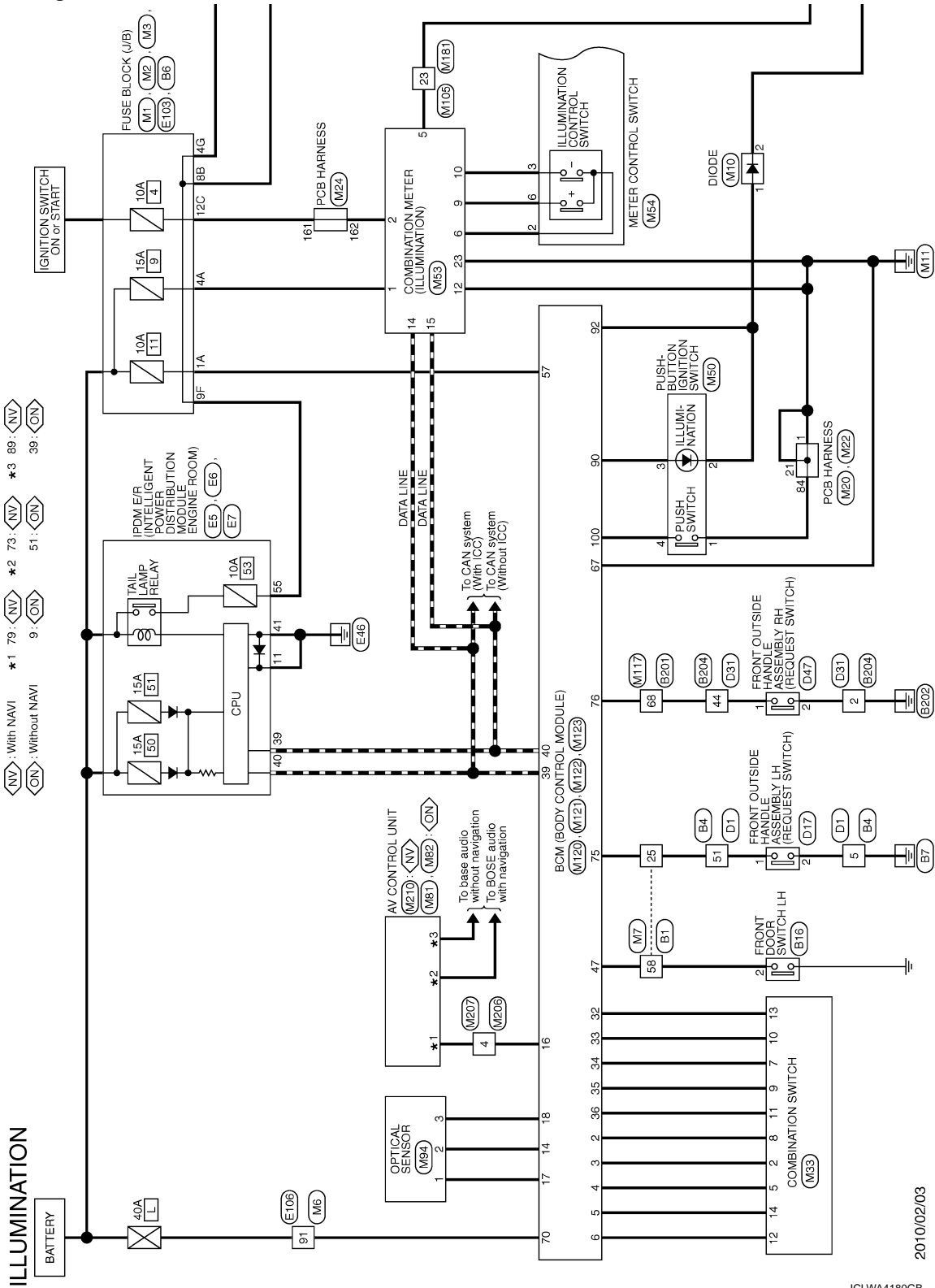
ILLUMINATION

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Wiring Diagram

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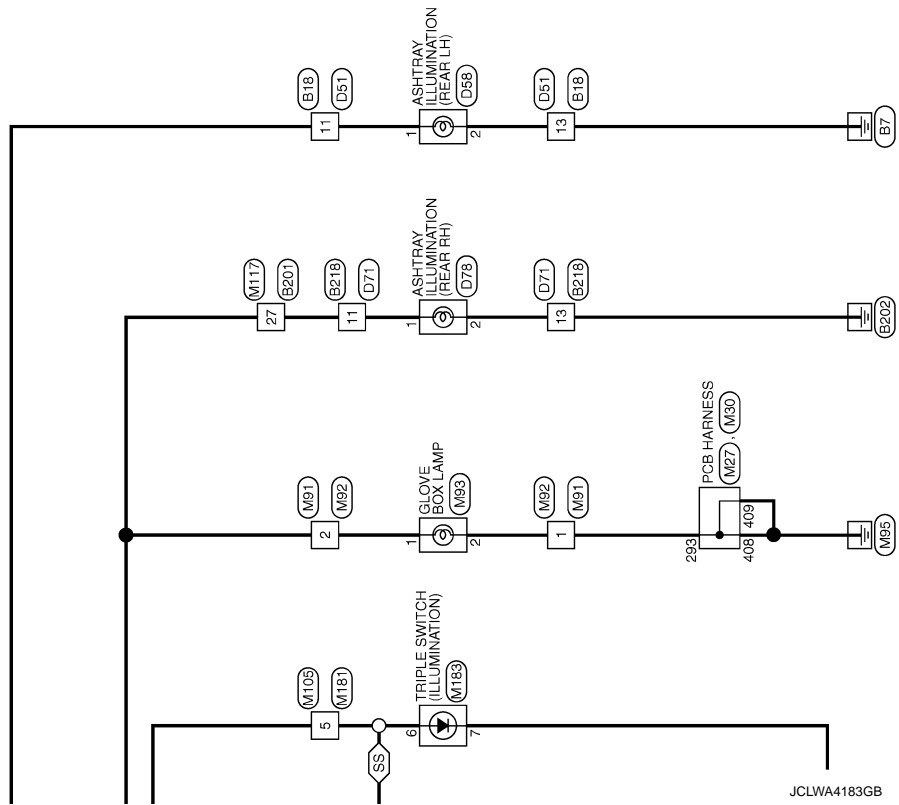
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SS: With heated steering



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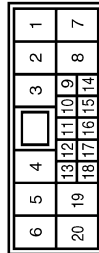
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Connector No.	B16
Connector Name	FRONT DOOR SWITCH LH
Connector Type	A03FW



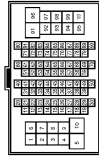
Terminal No.	Color of Wire	Signal Name [Specification]
2	LG	-

Connector No.	B18
Connector Name	WIRE TO WIRE
Connector Type	NH10FW-CS10



Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
2	P	-
3	R	-
4	G	-
7	B/W	-
8	W	-
9	V	-
10	Y	-
11	L	-
12	Y	-
13	B	-

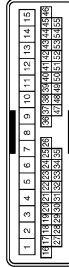
Connector No.	B201
Connector Name	WIRE TO WIRE
Connector Type	TH60MW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
3	R	-
17	GR	-
18	P	-
19	BR	-
20	GR	-
21	Y	-
22	GR	-
23	R	-
24	V	-
25	B	-
26	W	-
27	O	-
28	V	-
29	P	-
30	O	-
31	B/R	-
32	Y	-
40	SHIELD	-
41	W/R	-
42	V	-
44	P	-
45	SB	-
46	R	- [With Climate controlled seat]
46	Y	- [With heated seat]
47	G	- [With Climate controlled seat]
47	GR	- [With heated seat]
48	V	-
49	O	-
50	R	-
51	GR	-
52	LG	-
53	P	-
56	P	-
57	W	-
58	O	-
59	Y	-
61	SB	-
62	L	-

63	W	-
66	L	-
67	Y	-
68	SB	-
69	B	-
70	R	-
76	SHIELD	-
77	G	-
78	R	-
79	P	-
80	G	-
81	P	-
82	BR	-
83	GR	-
84	V	-
85	LG	-
86	W	-
87	O	-
88	Y	-
89	BR	-
90	L	-
91	BR	-
93	Y	- [With Climate controlled seat]
93	O	- [With heated seat]
94	GR	-
96	W	-
97	P	-
98	LG	-
99	LG	-
100	Y	-

Connector No.	B204
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-CS15



Terminal No.	Color of Wire	Signal Name [Specification]
2	B/W	-
3	B/W	-
5	Y	-
9	R	-
10	P	-
11	V	-

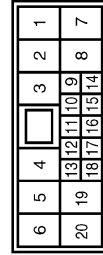
12	Y	-
13	BR	-
14	LG	-
15	GR	-
16	G	-
17	P	-
18	BR	-
19	GR	-
20	V	-
21	LG	-
22	W	-
23	O	-
24	Y	-
25	BR	-
26	L	-
32	G	-
33	R	-
34	SHIELD	-
35	P	-
36	B/R	-
37	BR	-
38	SB	-
39	P	-
44	SB	-
45	R	-
46	B	-

ILLUMINATION

< WIRING DIAGRAM >

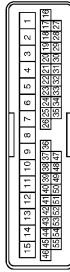
ILLUMINATION

Connector No.	B218
Connector Name	WIRE TO WIRE
Connector Type	TH4DFW-CS10



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

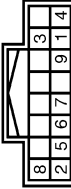
Connector No.	D1
Connector Name	WIRE TO WIRE
Connector Type	TH4DFW-CS15



Terminal No.	Color of Wire	Signal Name [Specification]
5	B	-
6	L	-
7	R	-
8	GR	-
9	G	-
10	LG	-
11	P	-
12	LG	-
13	B/W	-
14	Y	-
15	O	-

Terminal No.	Color of Wire	Signal Name [Specification]
16	R	-
17	Y	-
18	BR	-
19	W	-
20	O	-
21	GR	-
22	G	-
23	LG	-
24	B	-
27	V	-
28	W	-
29	GR	-
30	G	-
31	Y	-
32	O	-
33	BR	-
34	L	-
35	P	-
36	V	-
37	GR	-
38	O	-
39	W	-
40	R	-
41	SHIELD	-
42	L	-
43	P	-
44	V	-
45	LG	-
46	BR	-
47	L	-
48	Y	-
49	P	-
50	B/W	-
51	G	-
52	Y	-
53	B/W	-
54	W	-
55	W	-

Connector No.	D5
Connector Name	SEAT MEMORY SWITCH
Connector Type	TH16FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	V	-
3	W	-
4	B	-
5	LG	-
6	GR	-
7	O	-
8	Y	-
9	B/W	-

Connector No.	D17
Connector Name	FRONT OUTSIDE HANDLE ASSEMBLY LH
Connector Type	SAZ06FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	B	-
3	V	-
4	B/W	-

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



Terminal No.	Color of Wire	Signal Name [Specification]
2	B	-
3	B/W	-
5	GR	-
9	V	-
10	R	-

Terminal No.	Color of Wire	Signal Name [Specification]
11	L	-
12	Y	-
13	BR	-
14	G	-
15	SB	-
16	O	-
17	G	-
18	BR	-
19	GR	-
20	V	-
21	LG	-
22	SB	-
23	G	-
24	Y	-
25	BR	-
26	L	-
32	L/O	-
33	W/L	-
34	SHIELD	-
35	W	-
36	L	-
37	P	-
38	SB	-
39	O	-
44	SB	-
45	R	-
46	B/W	-

Connector No.	D47
Connector Name	FRONT OUTSIDE HANDLE ASSEMBLY RH
Connector Type	SAZ06FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	SB	-
2	B	-
3	R	-
4	B/W	-

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ILLUMINATION

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ILLUMINATION

Connector No.	D51
Connector Name	WIRE TO WIRE
Connector Type	NH10MW-CS10

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



Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	-
2	V	-
3	R	-
4	L	-
7	B	-
8	P	-
9	W	-
10	V	-
11	L	-
12	LG	-
13	B	-

Connector No.	D58
Connector Name	ASHTRAY ILLUMINATION (REAR LH)
Connector Type	AUGFW

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

Connector No.	D71
Connector Name	WIRE TO WIRE
Connector Type	NH10MW-CS10

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



Terminal No.	Color of Wire	Signal Name [Specification]
1	BR	-
2	V	-
3	R	-
4	L	-
7	B	-
8	P	-
9	W	-
10	V	-
11	L	-
12	LG	-
13	B	-

Connector No.	D78
Connector Name	ASHTRAY ILLUMINATION (REAR RH)
Connector Type	AUGFW

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

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

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
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Terminal No.	Color of Wire	Signal Name [Specification]
4	W	-
5	P	-
6	R	-
7	Y	-
8	L	-
10	V	-
11	B	-
12	G	-
13	GR	-
16	V	-
18	Y	-
22	BR	-
23	SR	-
24	O	-
25	LG	-
30	BR	-
31	W	-
32	L	-
34	P	-
36	GR	-

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

42	41	40	39
46	45	44	43



Terminal No.	Color of Wire	Signal Name [Specification]
39	P	-
40	L	-

41	B	-
42	V	-
43	SR	-
44	GR	-
45	G	-
46	BR	-

Connector No.	E7
Connector Name	IPDM E/R INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	TH20FW-CS12-M4

53	54	55	56	57	58	59	60	61	62
63	64	65	66	67	68	69	70	71	72
73	74	75	76	77	78	79	80		



Terminal No.	Color of Wire	Signal Name [Specification]
49	BR	-
51	O	-
52	G	-
53	L	-
54	P	-
55	R	-
56	GR	-
57	V	-
58	BR	-
70	LG	-
71	O	-
73	G	-
74	R	-
75	Y	-
77	B	-
80	W	-

ILLUMINATION

< WIRING DIAGRAM >

ILLUMINATION

Connector No.	E103
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS10FW-CS



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

Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	THBDFW-CS16-TM4



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
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Terminal No.	Color of Wire	Signal Name [Specification]
1	P	-
2	W	-
3	SB	-
4	LG	-
5	O	-
7	GR	-
8	G	-
9	Y	-
10	BR	-
11	SB	-
12	V	-
13	GR	-
14	GR	-
15	V	-
16	Y	-

17	GR	-
18	V	-
20	BR	-
21	P	-
22	L	-
23	B	-
27	SHIELD	-
28	L/O	-
29	W/L	-
31	BR	-
32	G	-
33	O	-
34	Y	-
40	BR	-
41	BR	-
42	L	-
43	P	-
44	W	-
45	L	-
46	GR	-
47	V	-
48	G	-
49	O	-
50	LG	-
60	W	-
61	G	-
62	Y	-
63	BR	-
64	B	-
65	Y	-
66	R	-
67	SB	-
77	O	-
78	SB	-
80	G	-
81	R	-
82	SB	-
83	GR	-
84	Y	-
85	Y	-
86	L	-
87	V	-
88	BR	-
89	LG	-
90	W	-
91	W	-
92	P	-
93	LG	-
94	BR	-
95	W	-
96	W	-
97	R	-

98	Y	-
99	V	-
100	V	-



Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS10FW-M2



3A	4A	5A	6A	7A	8A
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Terminal No.	Color of Wire	Signal Name [Specification]
1A	R	-
2A	W	-
3A	Y	-
4A	W	-
5A	V	-
6A	Y	-
8A	Y	-

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



4B	3B	2B	1B
10B	9B	8B	7B
6B	5B	4B	3B
2B	1B	-	-

Terminal No.	Color of Wire	Signal Name [Specification]
1B	B	-
3B	P	-
4B	G	-
5B	SB	-
6B	Y	-
7B	P	-
8B	R	-
9B	R	-

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



12C	11C	10C	9C	8C	7C	6C
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Terminal No.	Color of Wire	Signal Name [Specification]
6C	R	-
7C	B	-
9C	L	-
10C	LG	-
11C	LG	-
12C	BG	-

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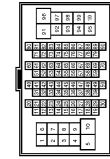
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Connector No.	M16
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	W	-
3	SB	-
4	LG	-
5	W	-
7	BG	-
8	G	-
9	Y	-
10	W	-
11	R	-
12	V	-
13	LG	-
14	L	-
15	V	-
16	B	-
17	GR	-
18	V	-
20	SB	-
21	BR	-
22	L	-
23	P	-
27	SHIELD	-
28	V	-
29	SB	-
31	BG	-
32	P	-
33	R	-
34	BG	-
40	BR	-
41	BR	-
42	L	-
43	P	-
44	BR	-
45	Y	-
46	BG	-
47	V	-
48	G	-
49	BG	-

50	W	-
60	GR	-
61	B	-
62	LG	-
63	BR	-
64	L	-
65	R	-
66	P	-
67	L	-
77	B	-
78	V	-
80	G	-
81	L	-
82	B	-
83	BG	-
84	SB	-
85	Y	-
86	L	-
87	V	-
88	V	-
89	LG	-
90	BG	-
91	W	-
92	BG	-
93	G	-
94	Y	-
95	W	-
96	R	-
97	SB	-
98	R	-
99	W	-
100	L	-

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



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	Y	-
4	BR	-
5	P	-

6	W	-
7	G	-
8	Y	-
9	G	-
10	V	-
11	V	- [With Climate controlled seat]
12	P	- [With Heater seat]
13	GR	- [With Climate controlled seat]
14	BR	- [With Heater seat]
15	BG	-
16	V	-
17	BG	- [With ICC]
17	B	- [Without ICC]
18	L	-
19	W	-
20	R	-
21	B	-
22	LG	-
23	W	-
24	V	-
25	G	-
26	BR	-
27	SB	-
28	P	-
29	L	-
30	SHIELD	-
32	L	-
33	P	-
34	L	-
35	P	-
36	BG	-
37	SB	-
40	SHIELD	-
41	SB	-
42	V	-
45	W	-
47	L	-
48	LG	-
49	BR	-
50	V	-
51	V	-
52	P	-
53	BG	-
56	SB	-
57	P	-
58	LG	-
59	Y	-
60	GR	-
61	B	-
62	LG	-

63	BR	-
65	W	-
66	R	-
67	V	-
68	LG	-
69	SB	-
70	V	-
72	L	-
73	P	-
74	L	-
75	P	-
76	G	-
77	Y	-
78	SB	-
79	W	-
81	LG	-
82	BR	-
83	BG	-
84	B	-
85	W	-
86	G	-
87	R	-
88	G	-
91	W	-
92	G	-
96	W	-
97	BG	-
98	Y	-
99	LG	-

Connector No.	M10
Connector Name	DIODE
Connector Type	Z4335_03902



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

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ILLUMINATION

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ILLUMINATION

Connector No.	M20
Connector Name	PCB HARNESS
Connector Type	TH40TB-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]
1	B	-
11	BR	-
12	R	-
14	L	-
15	B	-
17	R	-
19	W	-
20	R	-
21	B	-
22	R	-
23	L	-
24	L	-
27	P	-
30	SHIELD	-
31	V	-
33	V	-
35	L	-
36	P	-
38	L	-
40	Y	-

Connector No.	M22
Connector Name	PCB HARNESS
Connector Type	TH40TB-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]
81	L	-
82	P	-

Terminal No.	Color of Wire	Signal Name [Specification]
83	B	-
84	B	-
85	B	-
86	B	-
87	B	-
88	B	-
89	Y	-
91	V	-
92	V	-
93	B	-
94	B	-
95	LG	-
96	BR	-
97	G	-
98	G	-
99	G	-
100	G	-
101	L	-
102	P	-
103	B	-
104	BR	-
105	R	-
107	Y	-
108	Y	-
109	BR	-
110	W	-
112	B	-
113	P	-
114	L	-
116	B	-
117	B	-
117	BG	- [With VK engine]
118	B	-
119	G	-
120	V	-

Connector No.	M23
Connector Name	PCB HARNESS
Connector Type	TH40FW-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]
121	R	-

Terminal No.	Color of Wire	Signal Name [Specification]
122	V	-
123	EG	-
124	EG	-
124	EG	-
126	BR	-
130	B	-
131	SR	-
132	LG	-
133	L	-
135	P	-
137	Y	-
138	L	-
139	P	-
140	L	-
141	W	-
142	W	-
144	P	-
145	R	-
146	LG	-
147	B	-
148	L	-
149	B	-
150	P	-
151	L	-
152	B	-
153	W	-
154	W	-
155	W	-
157	W	-
158	R	-
159	R	-

Connector No.	M24
Connector Name	PCB HARNESS
Connector Type	TH40FW-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]
161	EG	-
162	EG	-
163	G	-
164	V	-
165	V	-
166	R	-

Terminal No.	Color of Wire	Signal Name [Specification]
167	LG	-
168	R	-
169	R	-
170	B	-
172	B	-
174	W	-
175	B	-
176	L	-
177	P	-
178	Y	-
179	L	-
180	LG	-
182	BR	-
183	G	-
184	V	-
185	P	-
185	V	- [With BOSE system]
186	R	-
187	L	-
188	Y	-
189	B	-
190	V	-
191	G	-
192	B	-
193	SR	-
194	BR	-
198	R	-
199	B	-
200	SB	-

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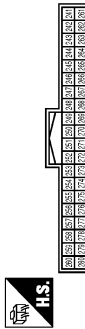
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ILLUMINATION

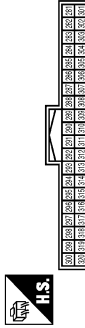
< WIRING DIAGRAM >

ILLUMINATION

Connector No.	M26
Connector Name	POB HARNESS
Connector Type	TH40FW-NH



Connector No.	M27
Connector Name	POB HARNESS
Connector Type	TH40FB-NH

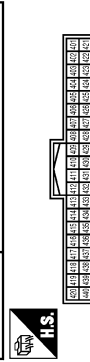


Terminal No.	410	B	-
411	B	-	
413	Y	-	
414	BR	-	
416	LG	-	
417	B	-	
419	SB	-	
420	SHIELD	-	
422	V	-	
427	P	-	
428	V	-	
429	P	-	
430	LG	-	
431	B	-	
432	Y	-	
435	V	-	
436	BG	-	
437	B	-	
438	P	-	
439	L	-	

Connector No.	M33
Connector Name	COMBINATION SWITCH
Connector Type	TH18FW-NH



Terminal No.	282	BG	-
283	BG	-	
284	LG	-	
285	W	-	
287	Y	-	
288	W	-	
290	B	-	
292	B	-	
293	B	-	
294	B	-	
295	B	-	
299	V	-	
301	R	-	
302	R	-	
305	R	-	
319	V	-	
320	W	-	



Terminal No.	1	W	-
2	SB	FR WASHER (-)	
5	L	OUTPUT 4	
6	B	OUTPUT 3	
7	V	GND	
8	BG	INPUT 3	
9	Y	INPUT 2	
10	R	INPUT 4	
11	LG	INPUT 1	
12	P	OUTPUT 1	
13	BR	INPUT 5	
14	G	OUTPUT 2	

Terminal No.	402	R	-
403	R	-	
407	V	-	
408	B	-	
409	B	-	

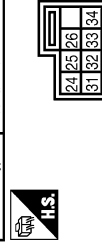
Terminal No.	241	L	-
243	R	-	
244	L	-	
245	B	-	
246	B	-	
247	LG	- [With Climate controlled seat] - [With heated seat]	
249	SHIELD	-	
250	SHIELD	-	
253	P	- [With Climate controlled seat]	
253	B	- [With heated seat]	
254	W	- [With Climate controlled seat]	
254	B	- [With heated seat]	
255	B	-	
256	SHIELD	-	
257	SHIELD	-	
258	R	-	
259	L	-	
260	BG	-	
261	P	-	
269	GR	-	
270	Y	-	
271	BR	-	
272	G	-	
273	R	-	
274	R	-	
275	Y	-	
276	B	-	
277	G	-	
278	R	-	
279	SB	- [With Climate controlled seat]	
279	R	- [With heated seat]	
280	Y	-	

Connector No.	M35
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TK08FY-EX-TV



Terminal No.	23	R	-
28	Y	-	
29	Y	-	
30	Y	-	

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



Terminal No.	24	P	-
25	SB	-	
26	B	-	
31	L	-	
32	Y	-	
33	B	-	
34	LG	-	

ILLUMINATION

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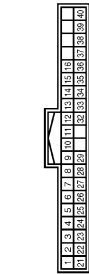
ILLUMINATION

Connector No.	M50
Connector Name	PUSH-BUTTON IGNITION SWITCH
Connector Type	TH08FB



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

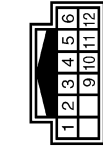
Connector No.	M53
Connector Name	COMBINATION METER
Connector Type	TH07FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	BATTERY POWER SUPPLY
2	BG	IGNITION SIGNAL
3	GR	VEHICLE SPEED SIGNAL (2-PULSE)
4	R	VEHICLE SPEED SIGNAL (3-PULSE)
5	B	ILLUMINATION CONTROL SIGNAL
6	B	METER CONTROL SWITCH GROUND
7	SB	ENTER SWITCH SIGNAL
8	LG	SELECT SWITCH SIGNAL
9	G	ILLUMINATION CONTROL SWITCH SIGNAL (+)
10	GR	ILLUMINATION CONTROL SWITCH SIGNAL (-)
11	L	TRIP RESET SWITCH SIGNAL
12	B	GROUND
14	L	CAN-H
15	P	CAN-L

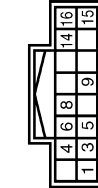
16	R	AIR BAG SIGNAL
23	B	GROUND
24	B	FUEL LEVEL SENSOR GROUND
25	W	ALTERNATOR SIGNAL
26	V	PARKING BRAKE SWITCH SIGNAL
27	V	BRACE FLUID LEVEL SWITCH SIGNAL
28	G	SECURITY SIGNAL
29	L	WASHER LEVEL SWITCH SIGNAL
32	G	PADDLE SHIFTER SHIFT DOWN SIGNAL
33	BG	PADDLE SHIFTER SHIFT UP SIGNAL
34	G	FUEL LEVEL SENSOR SIGNAL
35	W	SEAT BELT BUCKLE SWITCH SIGNAL (DRIVER SIDE)
36	G	PASSENGER SEAT BELT WARNING SIGNAL
37	G	NON-MANUAL MODE SIGNAL
38	V	MANUAL MODE SHIFT DOWN SIGNAL
39	L	MANUAL MODE SHIFT UP SIGNAL
40	W	MANUAL MODE SIGNAL

Connector No.	M54
Connector Name	METER CONTROL SWITCH
Connector Type	TH12MW-NH



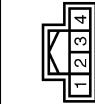
Terminal No.	Color of Wire	Signal Name [Specification]
1	SB	-
2	B	-
3	GR	-
4	R	-
5	W	-
6	G	-
9	BG	-
10	GR	-
11	LG	-
12	L	-

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



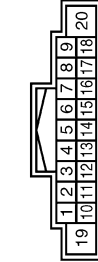
Terminal No.	Color of Wire	Signal Name [Specification]
1	B	GROUND
3	V	ACC
4	R	ILL
5	B	ILL CONT
6	SB	AV COMM (H)
8	LG	AV COMM (L)
9	BR	SW GND
14	SB	DISK EJECT SIGNAL
15	R	AIR BAG CUT OFF
16	G	HAZARD ON

Connector No.	M74
Connector Name	CLOCK
Connector Type	TH06FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	BATTERY POWER SUPPLY
2	B	GROUND
3	R	ILLUMINATION (+)
4	B	ILLUMINATION (-)

Connector No.	M81
Connector Name	AV CONTROL UNIT
Connector Type	TH18FW-CS2



Terminal No.	Color of Wire	Signal Name [Specification]
2	G	SOUND SIGNAL FRONT LH (+)
3	L	SOUND SIGNAL FRONT LH (-)
4	GR	SOUND SIGNAL REAR LH (+)
5	G	SOUND SIGNAL REAR LH (-)
6	P	STRG SW A
7	V	ACC
9	SB	ILLUMINATION
11	BR	SOUND SIGNAL FRONT RH (+)
12	R	SOUND SIGNAL FRONT RH (-)
13	P	SOUND SIGNAL REAR RH (+)
14	V	SOUND SIGNAL REAR RH (-)
15	B	STRG SW B
16	L	STRG SW B
19	Y	BATTERY
20	B	GROUND

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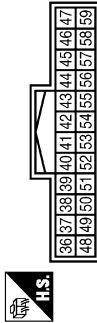
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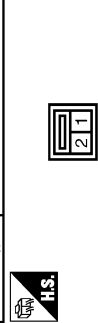
ILLUMINATION

Connector No.	M82
Connector Name	AV CONTROL UNIT
Connector Type	TH24FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
36	BG	SIGNAL VCC
37	B	SIGNAL GND
38	G	HP
39	Y	COMM (DISP->CONT)
40	R	RGB AREA (YS) SIGNAL
41	SHIELD	SHIELD
42	W	RGB SYNC
43	R	RGB (RRED) SIGNAL
44	B	RGB (GREEN) SIGNAL
45	W	RGB (BLUE) SIGNAL
46	V	COMPOSITE IMAGE GND
47	SB	COMPOSITE IMAGE SIGNAL
48	L	INVERTER VCC
49	LG	INVERTER GND
50	B	V
51	BR	COMM (CONT->DISP)
52	SHIELD	SHIELD
57	SHIELD	SHIELD
58	SHIELD	SHIELD

Connector No.	M81
Connector Name	WIRE TO WIRE
Connector Type	TK02FBR



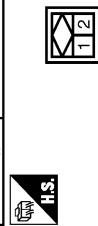
Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
2	R	-

Connector No.	M82
Connector Name	WIRE TO WIRE
Connector Type	TK02MBR-P



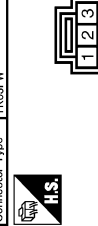
Terminal No.	Color of Wire	Signal Name [Specification]
1	B	-
2	R	-

Connector No.	M83
Connector Name	GLOVE BOX LAMP
Connector Type	A02FW



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

Connector No.	M84
Connector Name	OPTICAL SENSOR
Connector Type	TK03FW



Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	POWER
2	W	OUTPUT

Connector No.	M105
Connector Name	WIRE TO WIRE
Connector Type	TH40FW-NH



Terminal No.	Color of Wire	Signal Name [Specification]
3	B	GND

Terminal No.	Color of Wire	Signal Name [Specification]
2	R	-
3	B	-
5	LG	-
6	P	-
7	L	-
8	P	-
9	B	-
10	W	-
11	W	-
12	SB	-
14	SB	-
15	BR	-
16	V	-
18	G	-
19	B	-
20	V	-
22	EG	-
23	B	-
25	W	-
30	R	-
31	BR	-
32	L	-
33	P	-
34	LG	-
35	W	-
36	LG	-
37	L	-
38	R	-

Connector No.	M110
Connector Name	WIRE TO WIRE
Connector Type	TH2MMH-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	Y	-
3	W	-
4	R	-
7	BR	-
8	R	-
9	B	-
13	L	-
14	B	-
15	LG	-
18	Y	-
17	W	-
18	W	-
19	R	-
20	B	-
20	V	-
21	R	-
22	G	-
23	L	-
24	LG	-

ILLUMINATION

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ILLUMINATION

Connector No.	M117
Connector Name	WIRE TO WIRE
Connector Type	TH00FW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
3	Y	-
17	GR	-
18	P	-
19	BR	-
20	GR	-
21	Y	-
22	LG	-
23	R	-
24	BG	-
25	LG	-
26	W	-
27	R	-
28	V	-
29	P	-
30	B	-
31	G	-
32	Y	-
40	SHIELD	-
41	R	-
42	V	-
44	W	-
45	SB	-
46	L	- [With Climate controlled seat]
47	BG	- [With heated seat]
47	G	- [With Climate controlled seat]
48	V	-
49	BG	-
50	LG	-
51	SB	-
52	Y	-
53	W	-
56	B	-
57	G	-
58	R	-
58	W	-
61	LG	-
62	V	-

63	R	-
66	L	-
67	Y	-
68	SB	-
69	B	-
70	R	-
76	SHIELD	-
77	G	-
78	R	-
79	L	-
80	G	-
81	BG	-
82	BR	-
83	GR	-
84	V	-
85	LG	-
86	V	-
87	R	-
88	Y	-
89	BR	-
90	L	-
91	Y	-
93	W	- [With Climate controlled seat]
93	G	- [With heated seat]
94	V	-
96	W	-
97	Y	-
98	BR	-
99	G	-
100	Y	-

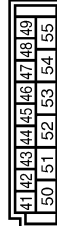
Connector No.	M120
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FB-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	RR WINDOW DEFS RLY CONT
2	BG	COMBI SW INPUT 5
3	SB	COMBI SW INPUT 4
4	L	COMBI SW INPUT 3
5	G	COMBI SW INPUT 2
6	P	COMBI SW INPUT 1

8	V	POWER WINDOW SW COMM
9	P	STOP LAMP SW L
11	R	RAIN SENSOR SERIAL LINK
14	W	OPTICAL SENSOR
16	SB	DIMMER SIGNAL
17	Y	SENSOR PWR SPLY
18	B	RECEIVER / SENSOR GND
19	R	RECEIVER PWR SPLY
20	BR	KYLS ENT RECEIVER COMM
21	P	NATS ANT AMP
22	GR	KYLS ENT RECEIVER RSSI
23	G	SECURITY IND CONT
24	L	DONGLE LINK
24	L	NATS ANT AMP
25	G	NATS ANT AMP
26	GR	I-KEY IDENTIFICATION
29	G	HAZARD SW
30	BG	TR LID OPNR SW
31	W	DR DOOR UNLK SW
32	BR	COMBI SW OUTPUT 5
33	R	COMBI SW OUTPUT 4
34	V	COMBI SW OUTPUT 3
35	Y	COMBI SW OUTPUT 2
36	LG	COMBI SW OUTPUT 1
37	R	P POSITION
39	L	GAN-H
40	P	GAN-L

Connector No.	M121
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	FEA09FB-FHA6-SA



Terminal No.	Color of Wire	Signal Name [Specification]
41	W	TR KEY CYLINDER SW
42	R	TR ROOM LAMP SW
44	V	TR LID OP CANCEL SW
45	GR	PASSENGER DOOR SW
46	BR	REAR RH DOOR SW
47	LG	DRIVER DOOR SW
48	P	REAR LH DOOR SW
49	SB	TR ROOM LAMP CONT
51	BG	TR LID OPEN REG SW
53	LG	TR LID OPEN OUTPUT

55	BR	RR DOOR UNLK OUTPUT
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Connector No.	M122
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	FEA09FW-FHA6-SA



Terminal No.	Color of Wire	Signal Name [Specification]
56	R	INT ROOM LAMP PWR SPLY
57	R	BAT FUSE
58	L	AIR BAG
59	G	PASS DOOR UNLK OUTPUT
60	G	TURN SIG LH OUTPUT
61	V	TURN SIG RH OUTPUT
62	V	STEP LAMP CONT
63	L	ROOM LAMP TIMER CONT
65	V	ALL DOOR FL LID UNLK OUTPUT
66	LG	DR DOOR FL LID UNLK OUTPUT
67	B	GND
68	BG	PW PWR SPLY (GN)
69	Y	PW PWR SPLY (BAT)
70	W	BAT (F/L)

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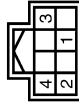
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ILLUMINATION

< WIRING DIAGRAM >

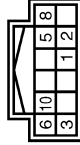
ILLUMINATION

Connector No.	M187
Connector Name	TRUNK LID OPENER SWITCH
Connector Type	TH08FB-NH



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

Connector No.	M188
Connector Name	*M/W SWITCH
Connector Type	TH12FGY-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	SB	-
3	B	-
5	BG	-
6	B	-
8	W	-
10	B	-

Connector No.	M188
Connector Name	HEATED SEAT SWITCH (DRIVER SIDE)
Connector Type	TK10FY



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

Connector No.	M189
Connector Name	HEATED SEAT SWITCH (PASSENGER SIDE)
Connector Type	TK08FB



Terminal No.	Color of Wire	Signal Name [Specification]
1	L	-
2	G	-
3	R	-
4	R	-
5	Y	-
6	B	-

Connector No.	M201
Connector Name	WIRE TO WIRE
Connector Type	TH22MR-NH



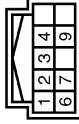
Terminal No.	Color of Wire	Signal Name [Specification]
1	Y	-
2	BG	-
5	V	-
6	P	-
7	SB	-
10	G	-
11	L	-
12	R	-
13	W	-
14	L	-
15	G	-
16	Y	-
17	W	-
18	BR	-
19	GR	-
20	B	-
21	R	-
22	B	-
23	EG	-
24	V	-
25	B	-
26	R	-
27	B	-
27	R	- [With Climate controlled seat]
28	B	-
29	B	-
30	B	- [With heated seat]
32	R	-

Connector No.	M202
Connector Name	A/T SHIFT SELECTOR ILLUMINATION
Connector Type	TK02FB-B



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

Connector No.	M203
Connector Name	DRIVE MODE SELECT SWITCH
Connector Type	TH10FB-NH



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	-
2	L	-
3	G	-
4	Y	-
6	B	-
7	B	-
9	R	-

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ILLUMINATION

< WIRING DIAGRAM >

ILLUMINATION

Connector No.	M204
Connector Name	CLIMATE CONTROLLED SEAT SWITCH (DRIVER SIDE)
Connector Type	TK08FW



1	2	3
4	5	6
7	8	

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

Connector No.	M205
Connector Name	CLIMATE CONTROLLED SEAT SWITCH (PASSENGER SIDE)
Connector Type	TK08FB



1	2	3
4	5	6
7	8	

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

Connector No.	M206
Connector Name	WIRE TO WIRE
Connector Type	NS08MW-CS



1	2	3
4	5	6
7	8	

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

Connector No.	M207
Connector Name	WIRE TO WIRE
Connector Type	NS08FW-CS



3	2	1
8	7	6
5	4	

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

Connector No.	M210
Connector Name	AV CONTROL UNIT
Connector Type	TH22FW-NH



61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76
77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92

Terminal No.	Color of Wire	Signal Name [Specification]
65	V	PARKING BRAKE SIGNAL
67	R	COMPOSITE IMAGE SIGNAL
68	W	COMPOSITE IMAGE SIGNAL GND
69	G	I-KEY LINK OUTPUT
71	SHIELD	MICROPHONE SHIELD
72	G	MICROPHONE YCC
73	BR	COMM (CONT->DISP)
74	P	CAN-L
75	LG	AV COMM (L)
76	LG	AV COMM (L)
79	SB	DIMMER SIGNAL
80	W	IGNITION SIGNAL
81	BG	REVERSE SIGNAL
82	R	VEHICLE SPEED SIGNAL (PULSE)
83	SHIELD	SHIELD
84	B	COMPOSITE IMAGE SYNC SIGNAL
87	R	MICROPHONE SIGNAL
88	SHIELD	SHIELD
89	Y	COMM (DISP->CONT)
90	L	CAN-H
91	SB	AV COMM (H)
92	SB	AV COMM (H)

Connector No.	M203
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TK08FCY



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

Connector No.	FR2
Connector Name	WIRE TO WIRE
Connector Type	TH24MW-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

Terminal No.	Color of Wire	Signal Name [Specification]
5	SHIELD	-
6	R	-
7	G	-
8	B	-
9	B	-
10	P	-
11	BR	-
12	R	-
17	LG	-
18	L	-
19	G	-
20	R	-
21	R	-
22	B	-
23	GR	-
24	P	-

ILLUMINATION

< WIRING DIAGRAM >

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ILLUMINATION

Connector No.	R7
Connector Name	WIRE TO WIRE
Connector Type	TH24F-W-NH



12	11	10	9	8	7	6	5	4	3	2	1
24	23	22	21	20	19	18	17	16	15	14	13

Terminal No.	Color of Wire	Signal Name [Specification]
1	G	-
2	Y	-
3	W	-
4	R	-
7	R	-
8	P	-
9	B	-
13	L	-
14	L	-
15	LG	-
16	Y	-
17	W	-
18	R	-
19	B	-
20	R	-
21	R	-
22	G	-
23	L	-
24	LG	-



12	11	10	9	8	7	6	5	4	3	2	1
24	23	22	21	20	19	18	17	16	15	14	13

Terminal No.	Color of Wire	Signal Name [Specification]
6	SHIELD	-
7	L	-
7	R	-

8	B	-
9	B/Y	-
10	G	-
11	SB	-
12	V	-
17	GR	-
18	BK	-
19	W	-
20	LG	-
21	P	-
22	O	-
23	W/R	-
24	L/B	-

Connector No.	R15
Connector Name	MAP LAMP
Connector Type	TK6BFGY



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

Terminal No.	Color of Wire	Signal Name [Specification]
1	V	-
2	SB	-
3	B	-
4	Y	-
5	B/Y	-
6	G	-

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DIAGNOSIS AND REPAIR WORKFLOW

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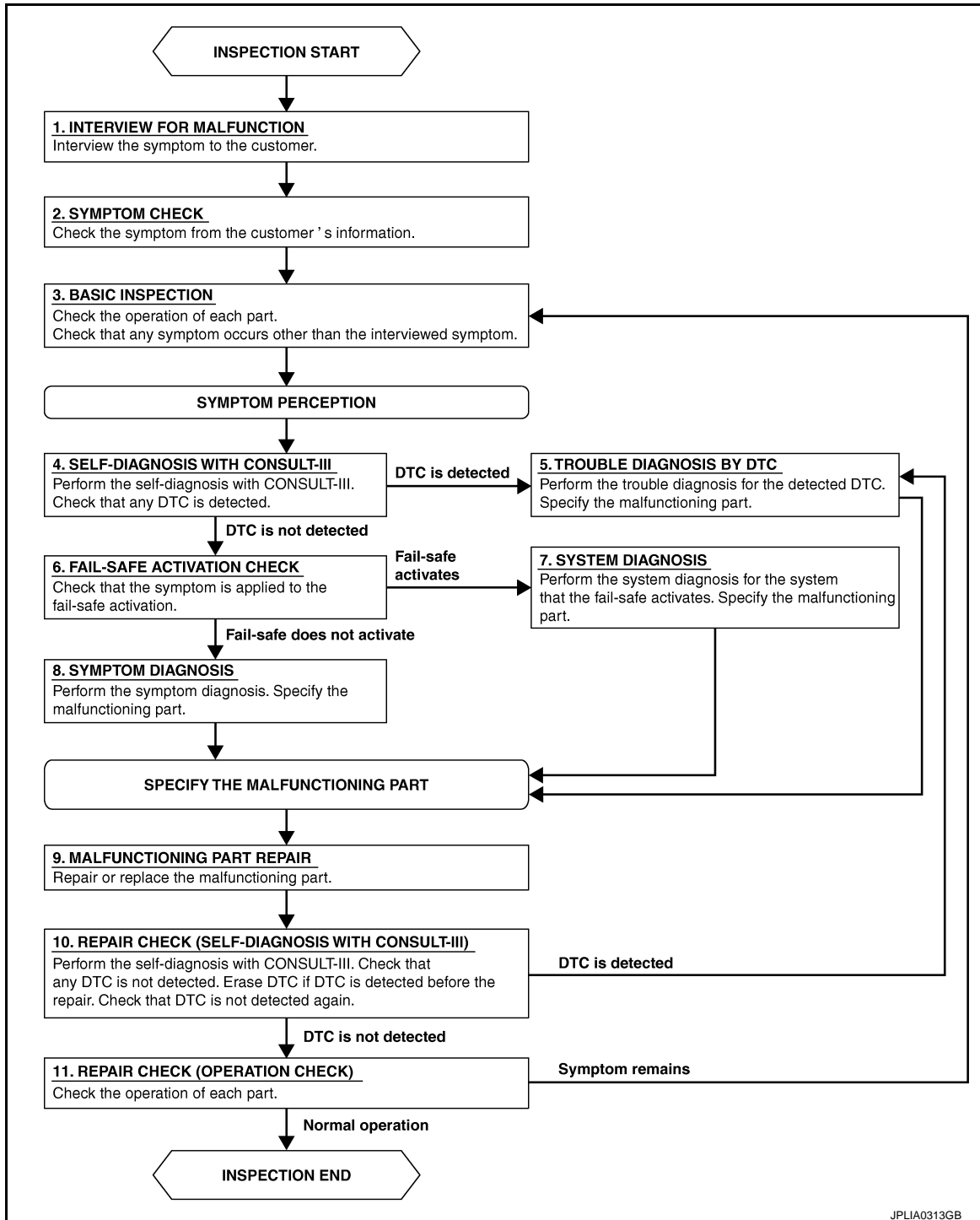
BASIC INSPECTION

DIAGNOSIS AND REPAIR WORKFLOW

Work Flow

INFOID:000000006054137

OVERALL SEQUENCE



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DETAILED FLOW

1. INTERVIEW FOR MALFUNCTION

Interview the symptom to the customer.

DIAGNOSIS AND REPAIR WORKFLOW

< BASIC INSPECTION >

>> GO TO 2.

2. SYMPTOM CHECK

Check the symptom from the customer's information.

>> GO TO 3.

3. BASIC INSPECTION

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

>> GO TO 4.

4. SELF-DIAGNOSIS WITH CONSULT-III

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

Is any DTC detected?

YES >> GO TO 5.

NO >> GO TO 6.

5. TROUBLE DIAGNOSIS BY DTC

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

>> GO TO 9.

6. FAIL-SAFE ACTIVATION CHECK

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

Does the fail-safe activate?

YES >> GO TO 7.

NO >> GO TO 8.

7. SYSTEM DIAGNOSIS

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

>> GO TO 9.

8. SYMPTOM DIAGNOSIS

Perform the symptom diagnosis. Specify the malfunctioning part.

>> GO TO 9.

9. MALFUNCTION PART REPAIR

Repair or replace the malfunctioning part.

>> GO TO 10.

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

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

Is any DTC detected?

YES >> GO TO 5.

NO >> GO TO 11.

11. REPAIR CHECK (OPERATION CHECK)

Check the operation of each part.

Does it operate normally?

YES >> INSPECTION END

NO >> GO TO 3.

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INTERIOR ROOM LAMP POWER SUPPLY CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

DTC/CIRCUIT DIAGNOSIS

INTERIOR ROOM LAMP POWER SUPPLY CIRCUIT

Description

INFOID:000000006054138

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

Component Function Check

INFOID:000000006054139

1. CHECK INTERIOR ROOM LAMP POWER SUPPLY FUNCTION

CONSULT-III ACTIVE TEST

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

Off : Interior room lamp OFF

On : Interior room lamp ON

Does the interior room lamp turn ON/OFF?

- YES >> Interior room lamp power supply circuit is normal.
NO >> Refer to [INL-56, "Diagnosis Procedure"](#).

Diagnosis Procedure

INFOID:000000006054140

1. CHECK INTERIOR ROOM LAMP POWER SUPPLY OUTPUT

CONSULT-III ACTIVE TEST

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

BCM		(-)	Test item	Voltage (Approx.)	
(+) Connector Terminal					
M122	56	Ground	BATTERY SAVER	Off	0 V
			On	12 V	

Is the inspection result normal?

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

INTERIOR ROOM LAMP POWER SUPPLY CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

2. CHECK INTERIOR ROOM LAMP POWER SUPPLY OPEN CIRCUIT

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

BCM		Each interior room lamp		Continuity	
Connector	Terminal	Connector	Terminal		
M122	56	Personal lamp	R14	1	Existed
		Map lamp	R15		
		Foot lamp (driver side)	M186		
		Foot lamp (passenger side)	M114		
		Trunk room lamp	B47		
		Step lamp (driver side)	D12		
		Step lamp (passenger side)	D42		
		Step lamp (Rear LH)	D57	3	
		Step lamp (Rear RH)	D77		
		Outside handle lamp (driver side)	D17	2	
		Outside handle lamp (passenger side)	D47		
		Vanity mirror lamp (driver side)	R12	2	
		Vanity mirror lamp (passenger side)	R13		

Is the inspection result normal?

- YES >> Check for internal short circuit of each interior room lamp.
 NO >> Repair or replace harnesses.

3. CHECK INTERIOR ROOM LAMP POWER SUPPLY SHORT CIRCUIT

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

BCM		Ground	Continuity
Connector	Terminal		
M122	56		Not existed

Is the inspection result normal?

- YES >> Replace BCM. Refer to [BCS-79. "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:000000006054141

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:000000006054142

CAUTION:

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

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

1. CHECK INTERIOR ROOM LAMP CONTROL FUNCTION

ⓅCONSULT-III 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-58, "Diagnosis Procedure"](#).

Diagnosis Procedure

INFOID:000000006054143

1. CHECK INTERIOR ROOM LAMP CONTROL OUTPUT

ⓅCONSULT-III ACTIVE TEST

1. Turn ignition switch OFF.
2. Remove all the bulbs of map lamp, foot lamp and personal 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.

BCM		Ground	Test item		Continuity
Connector	Terminal		INT LAMP	On	Existed
M122	63			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-79, "Removal and Installation"](#).

2. CHECK INTERIOR ROOM LAMP CONTROL OPEN CIRCUIT

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

INTERIOR ROOM LAMP CONTROL CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

BCM		Foot lamp		Continuity
Connector	Terminal	Connector	Terminal	
M122	63	Driver side	M186	Existed
		Passenger side	M114	

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

BCM		Map lamp		Continuity
Connector	Terminal	Connector	Terminal	
M122	63	R15	2	Existed

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

Personal lamp		Map lamp		Continuity
Connector	Terminal	Connector	Terminal	
R14	3	R15	4	Existed

Is the inspection result normal?

YES >> Replace map lamp, personal lamp or foot lamp.

NO >> Repair or replace harnesses.

3. CHECK INTERIOR ROOM LAMP CONTROL SHORT CIRCUIT

- Turn ignition switch OFF.
- Disconnect BCM connector, map lamp connector, personal lamp connector and foot lamp connector.
- Check continuity between BCM harness connector and ground.

BCM		Ground	Continuity
Connector	Terminal		
M122	63		Not existed

Is the inspection result normal?

YES >> Replace BCM. Refer to [BCS-79, "Removal and Installation"](#).

NO >> Repair or replace harnesses.

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TRUNK ROOM LAMP CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

TRUNK ROOM LAMP CIRCUIT

Description

INFOID:000000006109635

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

Diagnosis Procedure

INFOID:000000006054145

CAUTION:

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

- Interior room lamp power supply
- trunk room lamp bulb

1. CHECK TRUNK ROOM LAMP OUTPUT

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

BCM		Ground	Condition		Continuity
Connector	Terminal		Trunk lid	Open	Existed
M121	49			Closed	Not existed

Is the inspection result normal?

YES >> GO TO 2.

Fixed ON>>GO TO 3.

Fixed OFF>>Replace BCM. Refer to [BCS-79. "Removal and Installation"](#).

2. CHECK TRUNK ROOM LAMP OPEN CIRCUIT

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

BCM		Trunk room lamp		Continuity
Connector	(+)	Connector	(-)	
	Terminal		Terminal	
M121	49	B47	2	Existed

Is the inspection result normal?

YES >> Replace trunk room lamp.

NO >> Repair or replace harnesses.

3. CHECK TRUNK ROOM LAMP SHORT CIRCUIT

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

BCM		Ground	Continuity
Connector	Terminal		Not existed
M121	49		

Is the inspection result normal?

YES >> Replace BCM. Refer to [BCS-79. "Removal and Installation"](#).

NO >> Repair or replace harnesses.

STEP LAMP CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

STEP LAMP CIRCUIT

Description

INFOID:000000006054146

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

Component Function Check

INFOID:000000006054147

CAUTION:

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

- Interior room lamp power supply
- Step lamp bulb

1.CHECK STEP LAMP OPERATION

CONSULT-III ACTIVE TEST

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

On : Step lamp ON

Off : Step lamp OFF

Does the step lamp turn ON/OFF?

- YES >> Step lamp circuit is normal.
NO >> Refer to [INL-61, "Diagnosis Procedure"](#).

Diagnosis Procedure

INFOID:000000006054148

1.CHECK STEP LAMP OUTPUT

CONSULT-III ACTIVE TEST

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

BCM		Ground	Test item		Continuity
Connector	Terminal		STEP LAMP TEST	On	Existed
M122	62			Off	Not existed

Is the inspection result normal?

- YES >> GO TO 2.
Fixed ON>>GO TO 3.
Fixed OFF>>Replace BCM. Refer to [BCS-79, "Removal and Installation"](#).

2.CHECK STEP LAMP OPEN CIRCUIT

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

BCM		Step lamp		Continuity
Connector	Terminal	Connector	Terminal	
M122	62	Driver side	D12	Existed
		Passenger side	D42	
		Rear LH	D57	
		Rear RH	D77	

STEP LAMP CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

Is the inspection result normal?

YES >> Replace step lamp.

NO >> Repair or replace harnesses.

3. CHECK STEP LAMP SHORT CIRCUIT

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

BCM		Ground	Continuity
Connector	Terminal		
M122	62		Not existed

Is the inspection result normal?

YES >> Repair or replace harnesses.

NO >> Replace BCM. Refer to [BCS-79, "Removal and Installation"](#).

OUTSIDE HANDLE LAMP CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

OUTSIDE HANDLE LAMP CIRCUIT

Description

INFOID:000000006054149

Controls the outside handle lamp (ground side) to turn the outside handle lamp ON and OFF.

Diagnosis Procedure

INFOID:000000006054150

CAUTION:

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

- Interior room lamp power supply

1. CHECK OUTSIDE HANDLE LAMP OUTPUT

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

BCM		Ground	Condition		Continuity
Connector	Terminal		Any door	Open	Existed
M123	72			Closed	Not existed

Is the inspection result normal?

YES >> GO TO 2.

Fixed ON>>GO TO 3.

Fixed OFF>>Replace BCM. Refer to [BCS-79, "Removal and Installation"](#).

2. CHECK OUTSIDE HANDLE LAMP OPEN CIRCUIT

Check continuity between BCM harness connector and outside handle lamp harness connector.

BCM		Outside Handle lamp		Continuity	
Connector	Terminal	Connector	Terminal		
M123	72	Driver side	D17	4	Existed
		Passenger side	D47		

Is the inspection result normal?

YES >> Replace outside handle lamp.

NO >> Repair or replace harnesses.

3. CHECK OUTSIDE HANDLE LAMP SHORT CIRCUIT

Check continuity between BCM harness connector and ground.

BCM		Ground	Continuity
Connector	Terminal		Not existed
M123	72		

Is the inspection result normal?

YES >> Replace BCM. Refer to [BCS-79, "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:000000006054151

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

Component Function Check

INFOID:000000006054152

1. CHECK PUSH-BUTTON IGNITION SWITCH ILLUMINATION OPERATION

CONSULT-III ACTIVE TEST

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

On : Push-button ignition switch illumination ON

Off : Push-button ignition switch illumination OFF

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

- YES >> Push-button ignition switch illumination circuit is normal.
NO >> Refer to [INL-64, "Diagnosis Procedure"](#).

Diagnosis Procedure

INFOID:000000006054153

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				
M50	3	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	
M123	90	M50	3	Existed

Is the inspection result normal?

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

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

Check continuity between BCM harness connector and ground.

BCM		Ground	Continuity
Connector	Terminal		
M123	90		Not existed

PUSH-BUTTON IGNITION SWITCH ILLUMINATION CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

Is the inspection result normal?

YES >> Replace BCM. Refer to [BCS-79, "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 BCM harness connector.

Push-button ignition switch		BCM		Continuity
Connector	Terminal	Connector	Terminal	
M50	2	M123	92	Existed

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

Push-button ignition switch		Ground	Continuity
Connector	Terminal		
M50	2		Not existed

Is the inspection result normal?

YES >> Replace push-button ignition switch.

NO >> Repair or replace harnesses.

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INTERIOR LIGHTING SYSTEM SYMPTOMS

< SYMPTOM DIAGNOSIS >

SYMPTOM DIAGNOSIS

INTERIOR LIGHTING SYSTEM SYMPTOMS

Symptom Table

INFOID:000000006054154

CAUTION:

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

Symptom	Possible cause	Inspection item
All the following lamps do not turn ON. <ul style="list-style-type: none"> • Map lamp • Personal lamp • Vanity mirror lamp • Foot lamp • Step lamp • Outside handle lamp • Trunk room lamp 	<ul style="list-style-type: none"> • Harness between BCM and each interior room lamp • BCM 	Interior room lamp power supply circuit Refer to INL-56 .
<ul style="list-style-type: none"> • Interior room lamp does not turn ON even though the door is open. (It turns ON when turning the interior room lamp ON.) • Interior room lamp does not turn OFF even though the door is closed. 	<ul style="list-style-type: none"> • Harness between BCM and each door switch • Harness between BCM and each interior room lamp • BCM 	Door switch circuit Refer to DLK-72 . Interior room lamp control circuit Refer to INL-58 .
Interior room lamp timer does not activate. (It turns ON/ OFF when the door opens/closes.)	—	Check the interior room lamp setting. Refer to INL-15 .
<ul style="list-style-type: none"> • Outside handle lamp does not turn ON even though the door is open. • Outside handle lamp does not turn OFF even though the door is closed. 	<ul style="list-style-type: none"> • Harness between BCM and each door switch • Harness between BCM and outside handle lamp • BCM 	Door switch circuit Refer to DLK-72 . Outside handle lamp circuit Refer to INL-63 .
<ul style="list-style-type: none"> • Trunk room lamp does not turn ON even though the trunk lid is open. (It turns ON when turning the trunk room lamp ON.) • Trunk room lamp or does not turn OFF even though the trunk lid is closed. 	<ul style="list-style-type: none"> • Harness between BCM and trunk room lamp switch • Harness between BCM and trunk room lamp • BCM 	Trunk room lamp switch circuit Refer to DLK-86 . Trunk room lamp circuit Refer to INL-60 .
<ul style="list-style-type: none"> • Step lamps (ALL) do not turn ON. • Step lamps (ALL) do not turn OFF. 	<ul style="list-style-type: none"> • Harness between BCM and each step lamp • BCM 	Door switch circuit Refer to DLK-72 . Step lamp circuit Refer to INL-61 .
Push-button ignition switch illumination does not illuminate.	<ul style="list-style-type: none"> • Harness between BCM and push-button ignition switch • BCM 	Push-button ignition switch illumination circuit Refer to INL-64 .
Interior room lamp battery saver does not activate.	BCM	Replace BCM. Refer to BCS-79 .

MAP LAMP

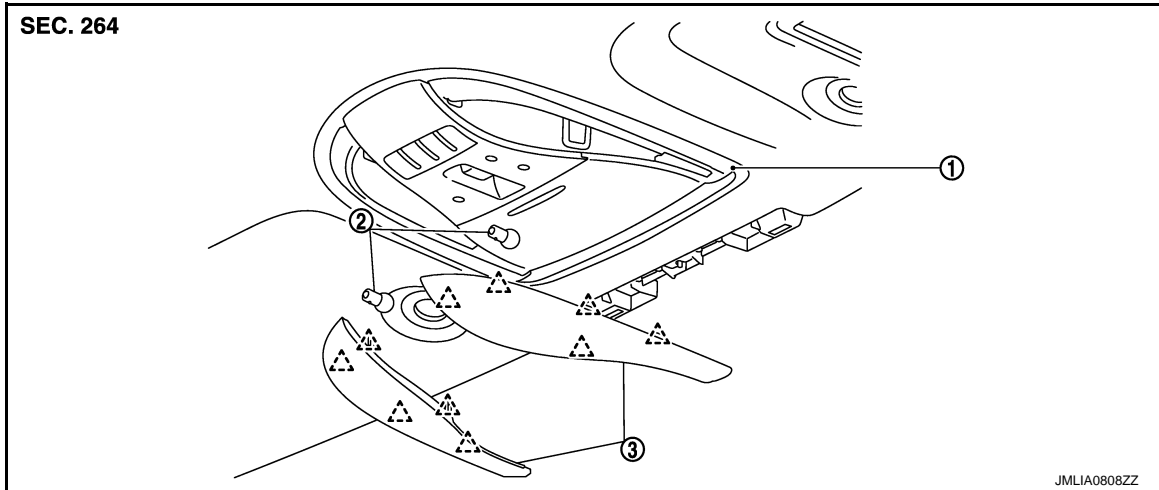
< REMOVAL AND INSTALLATION >

REMOVAL AND INSTALLATION

MAP LAMP

Exploded View

INFOID:000000006112928



1. Map lamp assembly

2. Bulb

3. Lens

△ : Pawl

Removal and Installation

INFOID:000000006112929

Refer to [INT-49. "Removal and Installation"](#) for the map lamp assembly installation or removal.

Replacement

INFOID:000000006112930

CAUTION:

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

MAP LAMP BULB

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

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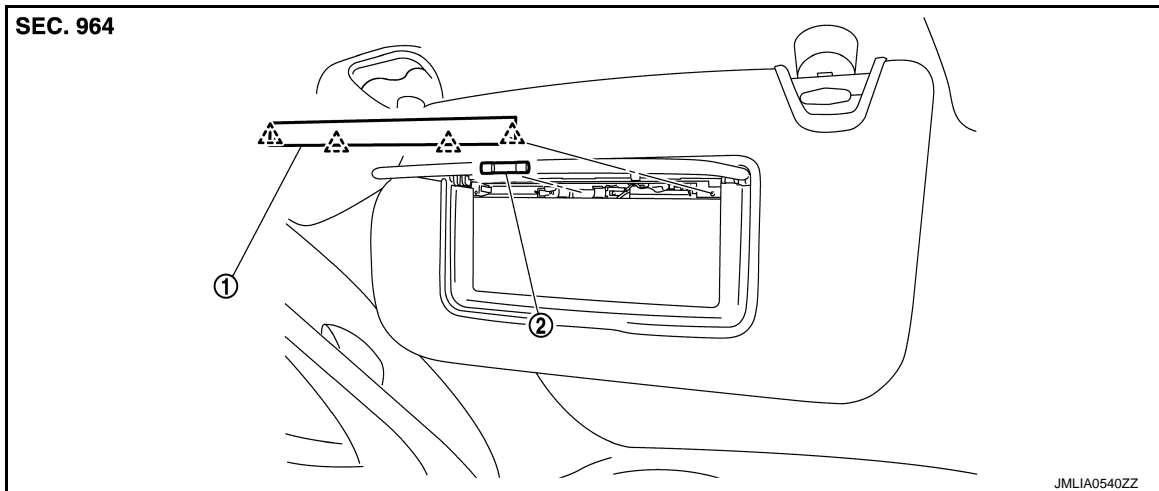
VANITY MIRROR LAMP

< REMOVAL AND INSTALLATION >

VANITY MIRROR LAMP

Exploded View

INFOID:000000006112931



1. Lens

2. Bulb

△ : Pawl

Replacement

INFOID:000000006112932

CAUTION:

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

VANITY MIRROR LAMP BULB

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

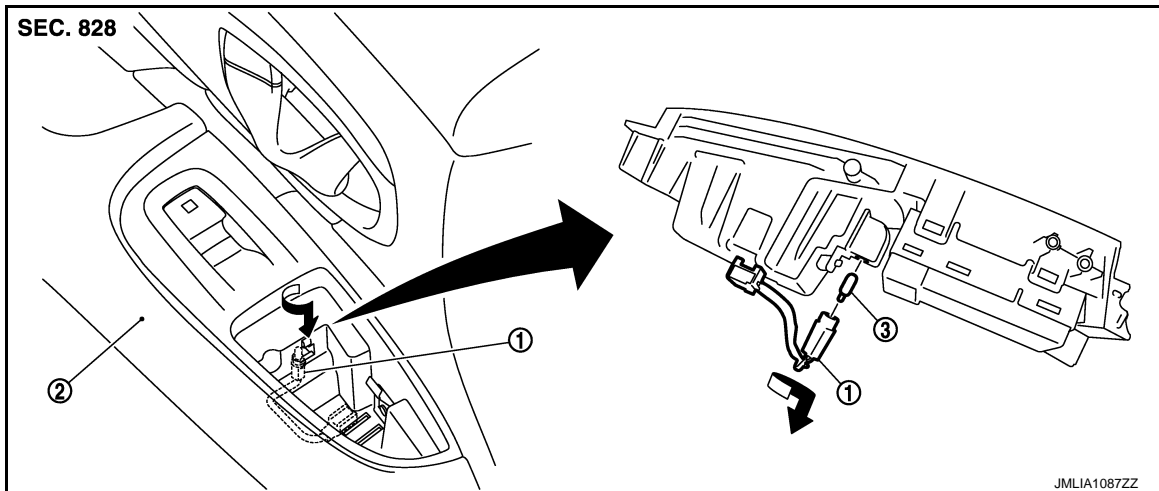
REAR DOOR ASHTRAY ILLUMINATION

< REMOVAL AND INSTALLATION >

REAR DOOR ASHTRAY ILLUMINATION

Exploded View

INFOID:000000006114061



1. Ashtray lamp assembly

2. Rear door finisher

3. Bulb

Removal and Installation

INFOID:000000006115716

Refer to [INT-33, "Exploded View"](#) for the rear door finisher installation or removal.

Replacement

INFOID:000000006114062

CAUTION:

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

ASHTRAY ILLUMINATION BULB

1. Remove rear door finisher. Refer to [INT-33, "REAR DOOR FINISHER : Removal and Installation"](#).
2. Rotate bulb socket counterclockwise to unlock it.
3. Remove the bulb.

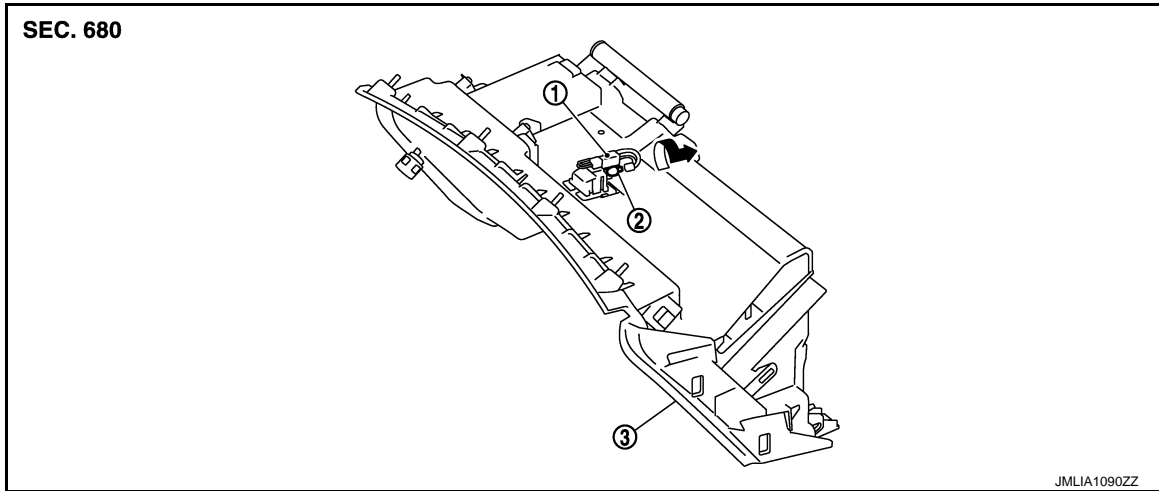
GLOVE BOX LAMP

< REMOVAL AND INSTALLATION >

GLOVE BOX LAMP

Exploded View

INFOID:000000006112935



1. Bulb socket

2. Bulb

3. Instrument lower panel RH

Removal and Installation

INFOID:000000006115717

Refer to [IP-12, "Exploded View"](#) for the instrument lower panel RH installation or removal.

Replacement

INFOID:000000006112936

CAUTION:

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

GLOVE BOX LAMP BULB

1. Remove instrument lower cover. Refer to [IP-13, "Removal and Installation"](#).
2. Remove glove box assembly, and then remove instrument lower panel RH. Refer to [IP-13, "Removal and Installation"](#).
3. Rotate the bulb socket counterclockwise to unlock it.
4. Remove the bulb.

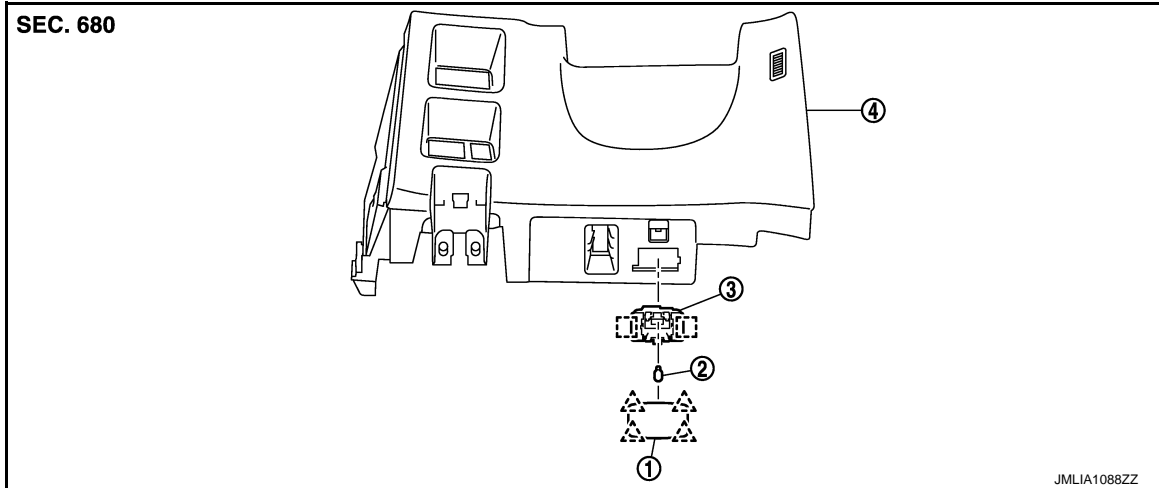
FOOT LAMP

< REMOVAL AND INSTALLATION >


FOOT LAMP DRIVER SIDE

DRIVER SIDE : Exploded View

INFOID:000000006112937



- 1. Lens
- 2. Bulb
- 3. Foot lamp case
- 4. Instrument lower panel LH

 : Pawl

 : Metal clip

DRIVER SIDE : Removal and Installation

INFOID:000000006112938

REMOVAL

1. Insert any appropriate tool into the gap between the instrument lower panel LH and foot lamp case to disengage the foot lamp case fixing metal clips, and then remove foot lamp case.
2. Disconnect foot lamp harness connector.

INSTALLATION

Install in the reverse order of removal.

DRIVER SIDE : Replacement

INFOID:000000006112939

FOOT LAMP BULB

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

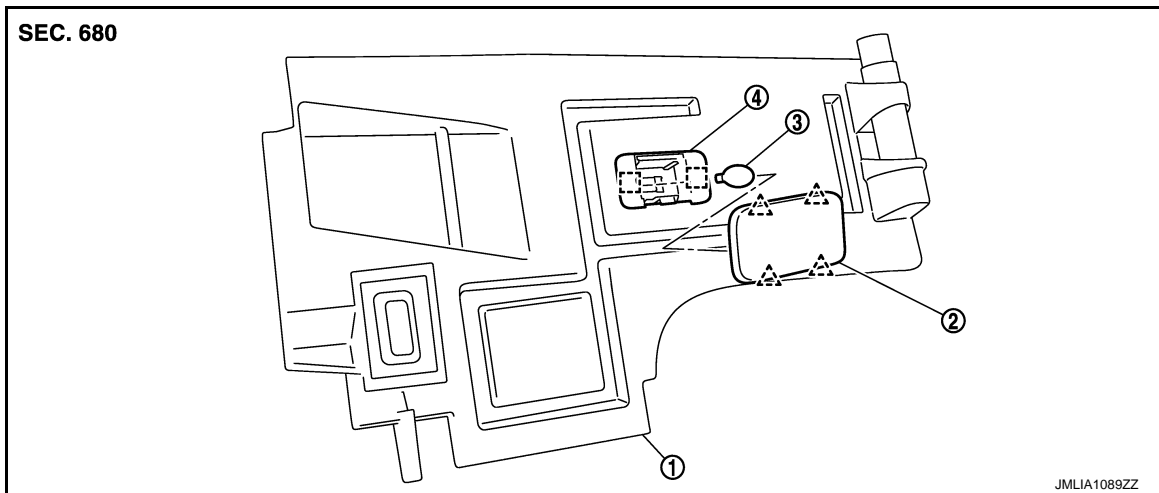
PASSENGER SIDE

FOOT LAMP


< REMOVAL AND INSTALLATION >

PASSENGER SIDE : Exploded View

INFOID:000000006112940



1. Instrument lower cover
2. Lens
3. Bulb
4. Foot lamp case

 : Pawl

 : Metal clip

PASSENGER SIDE : Removal and Installation

INFOID:000000006112941

REMOVAL

1. Insert any appropriate tool into the gap between the instrument lower cover and foot lamp case to remove foot lamp case.
2. Disconnect foot lamp harness connector.

INSTALLATION

Install in the reverse order of removal.

PASSENGER SIDE : Replacement

INFOID:000000006112942

CAUTION:

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

FOOT LAMP BULB

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

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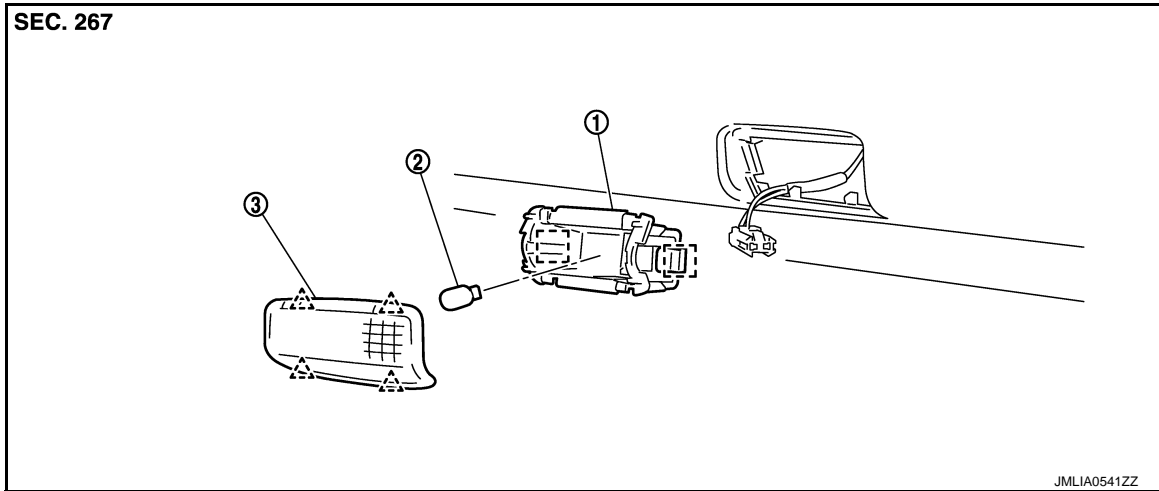
STEP LAMP

< REMOVAL AND INSTALLATION >

STEP LAMP

Exploded View

INFOID:000000006112943



1. Step lamp case

2. Bulb

3. Lens

△ : Pawl

□ : Metal clip

Removal and Installation

INFOID:000000006112944

REMOVAL

1. Insert any appropriate tool into the gap between the step lamp case and door finisher to remove step lamp case.
2. Disconnect step lamp harness connector.

INSTALLATION

Install in the reverse order of removal.

Replacement

INFOID:000000006112945

CAUTION:

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

STEP LAMP BULB

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

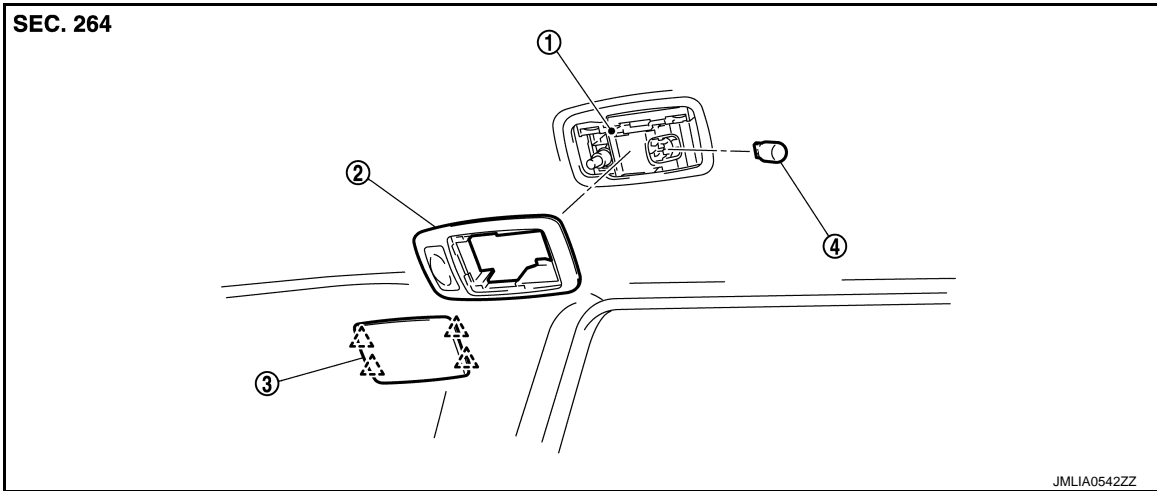
PERSONAL LAMP

< REMOVAL AND INSTALLATION >


PERSONAL LAMP

Exploded View

INFOID:000000006112946



1. Personal lamp case
2. Personal lamp finisher
3. Lens
4. Bulb

 : Pawl

CAUTION:

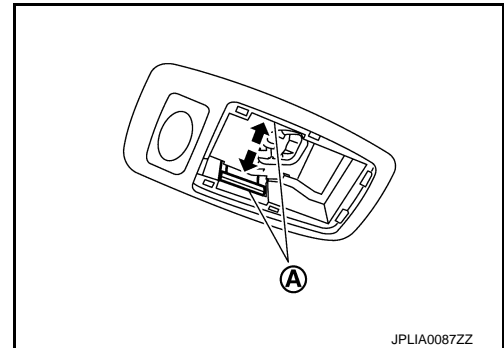
Replace the personal lamp case as a set (right and left). After removing the headlining assembly, remove the personal lamp case. Refer to [INT-48, "Exploded View"](#).

Removal and Installation

INFOID:000000006112947

REMOVAL

1. Remove headlining assembly. Refer to [INT-49, "Removal and Installation"](#).
2. Insert any appropriate tool into the gap between the lens to remove the lens.
3. Press the pawls (A) on both sides in the direction shown by the arrow in the figure using appropriate tool, and then pull out the personal lamp finisher.



4. Remove personal lamp case from headlining assembly.

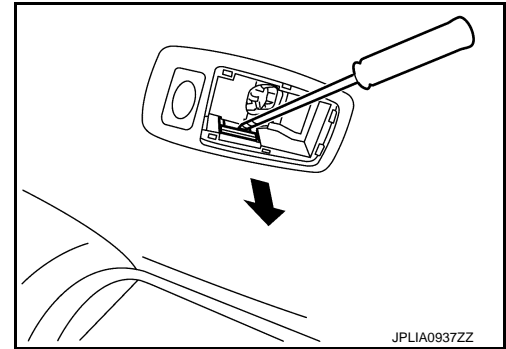
INSTALLATION

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PERSONAL LAMP

< REMOVAL AND INSTALLATION >

Press the personal lamp finisher to the headlining. Pull the personal lamp case pawls in the direction shown by the arrow in the figure using appropriate tool.



Replacement

INFOID:000000006112948

CAUTION:

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

PERSONAL LAMP BLUB

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

OUTSIDE HANDLE LAMP

< REMOVAL AND INSTALLATION >

OUTSIDE HANDLE LAMP

Exploded View

INFOID:000000006115297

Always replace outside handle lamp together with outside handle as a set, when replacing since outside handle lamp is integrated with outside handle. Refer to [DLK-176. "OUTSIDE HANDLE : Removal and Installation"](#).

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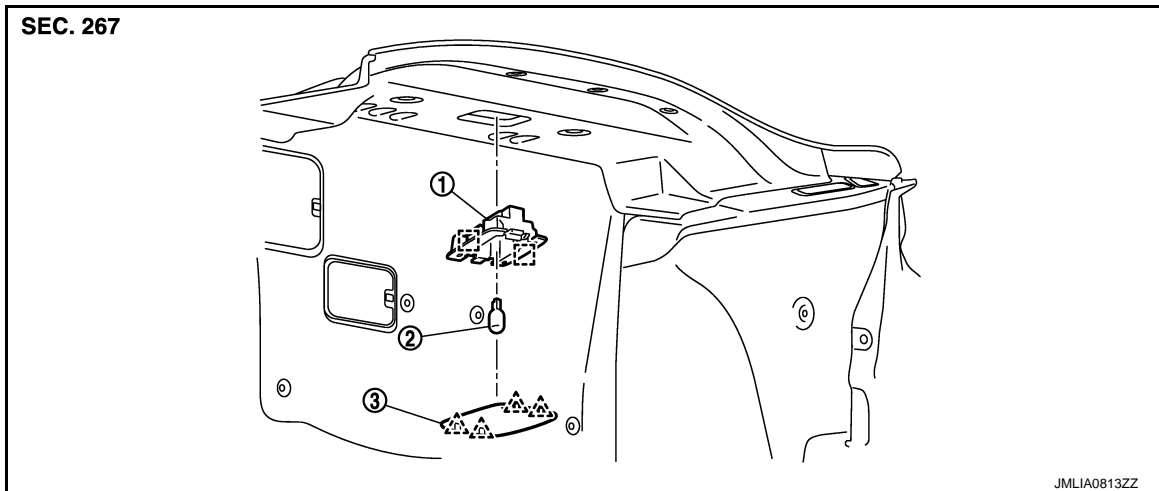
TRUNK ROOM LAMP

< REMOVAL AND INSTALLATION >


TRUNK ROOM LAMP

Exploded View

INFOID:000000006112949



1. Trunk room lamp case 2. Bulb 3. Lens

 : Pawl

 : Metal clip

Removal and Installation

INFOID:000000006112950

REMOVAL

1. Insert any appropriate tool into the gap between the trunk room lamp case and trunk finisher front to remove trunk room lamp case.
2. Disconnect trunk room lamp harness connector.

INSTALLATION

Install in the reverse order of removal.

Replacement


INFOID:000000006112951

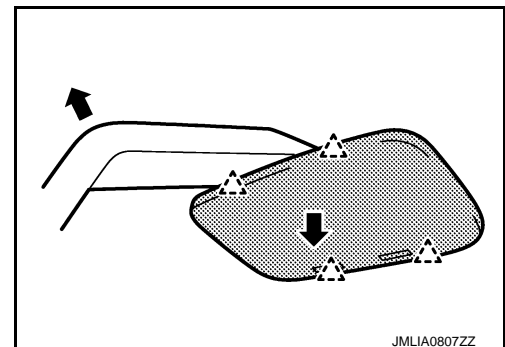
CAUTION:

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

TRUNK ROOM LAMP BULB

1. Insert any appropriate tool into the gap between the lens to remove the lens.

 : Pawl



2. Remove the bulb.

SERVICE DATA AND SPECIFICATIONS (SDS)

< SERVICE DATA AND SPECIFICATIONS (SDS)

SERVICE DATA AND SPECIFICATIONS (SDS)

SERVICE DATA AND SPECIFICATIONS (SDS)

bulb specifications

INFOID:000000006113379

Item	Type	Wattage (W)
Push-button ignition switch illumination	LED	—
Map lamp	—	8
Console lamp (integrated into the map lamp assembly)	LED	—
Vanity mirror lamp	—	2
Cigarette lighter illumination (common use with ashtray illumination)	Wedge	1.1
Rear door ashtray illumination	Wedge	2
Glove box lamp	Wedge	2
Foot lamp	Wedge	3.4
Step lamp	Wedge	5
Personal lamp	Wedge	8
Outside handle lamp	LED	—
Trunk room lamp	Wedge	5

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