

A
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SECTION INL

INTERIOR LIGHTING SYSTEM

CONTENTS

<p>BASIC INSPECTION 3</p> <p>DIAGNOSIS AND REPAIR WORK FLOW 3</p> <p style="padding-left: 20px;">Work Flow3</p> <p>SYSTEM DESCRIPTION 6</p> <p>INTERIOR ROOM LAMP CONTROL SYSTEM</p> <p style="text-align: right;">..... 6</p> <p style="padding-left: 20px;">System Diagram6</p> <p style="padding-left: 20px;">System Description6</p> <p style="padding-left: 20px;">Component Parts Location8</p> <p style="padding-left: 20px;">Component Description9</p> <p>INTERIOR ROOM LAMP BATTERY SAVER SYSTEM10</p> <p style="padding-left: 20px;">System Diagram10</p> <p style="padding-left: 20px;">System Description10</p> <p style="padding-left: 20px;">Component Parts Location11</p> <p style="padding-left: 20px;">Component Description11</p> <p>ILLUMINATION CONTROL SYSTEM13</p> <p style="padding-left: 20px;">System Diagram13</p> <p style="padding-left: 20px;">System Description13</p> <p style="padding-left: 20px;">Component Parts Location14</p> <p style="padding-left: 20px;">Component Description14</p> <p>DIAGNOSIS SYSTEM (BCM)15</p> <p>COMMON ITEM15</p> <p style="padding-left: 20px;">COMMON ITEM : CONSULT Function (BCM - COMMON ITEM)15</p> <p>INT LAMP16</p> <p style="padding-left: 20px;">INT LAMP : CONSULT Function (BCM - INT LAMP)17</p> <p>BATTERY SAVER18</p> <p style="padding-left: 20px;">BATTERY SAVER : CONSULT Function (BCM - BATTERY SAVER)18</p> <p>DTC/CIRCUIT DIAGNOSIS20</p>	<p>POWER SUPPLY AND GROUND CIRCUIT20</p> <p>BCM (BODY CONTROL MODULE)20</p> <p style="padding-left: 20px;">BCM (BODY CONTROL MODULE) : Diagnosis Procedure20</p> <p>INTERIOR ROOM LAMP POWER SUPPLY CIRCUIT21</p> <p style="padding-left: 20px;">Description21</p> <p style="padding-left: 20px;">Component Function Check21</p> <p style="padding-left: 20px;">Diagnosis Procedure21</p> <p>INTERIOR ROOM LAMP CONTROL CIRCUIT23</p> <p style="padding-left: 20px;">Description23</p> <p style="padding-left: 20px;">Component Function Check23</p> <p style="padding-left: 20px;">Diagnosis Procedure23</p> <p>STEP LAMP CIRCUIT25</p> <p style="padding-left: 20px;">Description25</p> <p style="padding-left: 20px;">Component Function Check25</p> <p style="padding-left: 20px;">Diagnosis Procedure25</p> <p>TRUNK ROOM LAMP CIRCUIT27</p> <p style="padding-left: 20px;">Description27</p> <p style="padding-left: 20px;">Component Function Check27</p> <p style="padding-left: 20px;">Diagnosis Procedure27</p> <p>PUSH-BUTTON IGNITION SWITCH ILLUMINATION CIRCUIT29</p> <p style="padding-left: 20px;">Description29</p> <p style="padding-left: 20px;">Component Function Check29</p> <p style="padding-left: 20px;">Diagnosis Procedure29</p> <p>INTERIOR ROOM LAMP CONTROL SYSTEM31</p> <p style="text-align: right;">.....31</p> <p style="padding-left: 20px;">Wiring Diagram - INTERIOR ROOM LAMP -31</p> <p>ILLUMINATION41</p> <p style="padding-left: 20px;">Wiring Diagram - ILLUMINATION -41</p> <p>ECU DIAGNOSIS INFORMATION52</p>
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A
B
C
D
E
F
G
H
I
J
K
INL



BCM (BODY CONTROL MODULE)	52	CIGARETTE LIGHTER ILLUMINATION	99
Reference Value	52	Exploded View	99
Wiring Diagram - BCM -	76	Replacement	99
Fail-safe	89	GLOVE BOX LAMP	100
DTC Inspection Priority Chart	90	Exploded View	100
DTC Index	91	Replacement	100
SYMPTOM DIAGNOSIS	94	STEP LAMP	101
INTERIOR LIGHTING SYSTEM SYMPTOMS ...	94	Exploded View	101
Symptom Table	94	Removal and Installation	101
PRECAUTION	95	Replacement	101
PRECAUTIONS	95	PERSONAL LAMP	102
Precaution for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TEN- SIONER"	95	Exploded View	102
Precautions For Xenon Headlamp Service	95	Removal and Installation	102
Precautions for Removing Battery Terminal	96	Replacement	103
REMOVAL AND INSTALLATION	97	TRUNK ROOM LAMP	104
MAP LAMP	97	Exploded View	104
Exploded View	97	Removal and Installation	104
Removal and Installation	97	Replacement	104
Replacement	97	SERVICE DATA AND SPECIFICATIONS (SDS)	105
VANITY MIRROR LAMP	98	SERVICE DATA AND SPECIFICATIONS (SDS)	105
Exploded View	98	Bulb Specifications	105
Replacement	98		

DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

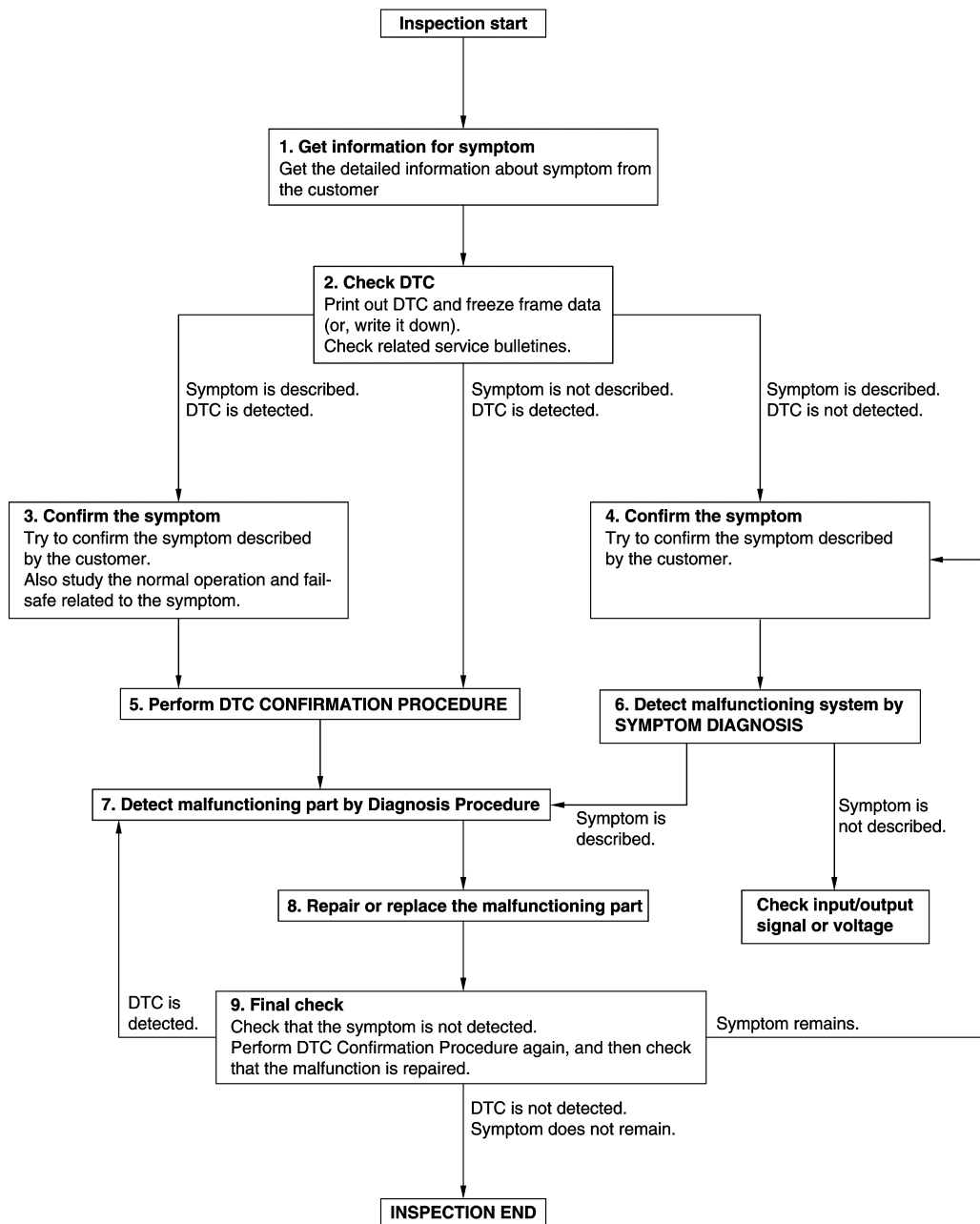
BASIC INSPECTION

DIAGNOSIS AND REPAIR WORK FLOW

Work Flow

INFOID:000000010988711

OVERALL SEQUENCE



DETAILED FLOW

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DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

1. GET INFORMATION FOR SYMPTOM

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

>> GO TO 2.

2. CHECK DTC

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

Are any symptoms described and any DTC detected?

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

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

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

3. CONFIRM THE SYMPTOM

Try to confirm the symptom described by the customer.

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

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

>> GO TO 5.

4. CONFIRM THE SYMPTOM

Try to confirm the symptom described by the customer.

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

>> GO TO 6.

5. PERFORM DTC CONFIRMATION PROCEDURE

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

NOTE:

- Freeze frame data is useful if the DTC is not detected.
- Perform Component Function Check if DTC CONFIRMATION PROCEDURE is not included on Service Manual. This simplified check procedure is an effective alternative though DTC cannot be detected during this check.
If the result of Component Function Check is NG, it is the same as the detection of DTC by DTC CONFIRMATION PROCEDURE.

Is DTC detected?

YES >> GO TO 7.

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

6. DETECT MALFUNCTIONING SYSTEM BY SYMPTOM DIAGNOSIS

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

Is the symptom described?

YES >> GO TO 7.

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

7. DETECT MALFUNCTIONING PART BY DIAGNOSIS PROCEDURE

DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

Inspect according to Diagnosis Procedure of the system.

Is malfunctioning part detected?

YES >> GO TO 8.

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

8. REPAIR OR REPLACE THE MALFUNCTIONING PART

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

>> GO TO 9.

9. FINAL CHECK

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

When symptom is described by the customer, refer to confirmed symptom in step 3 or 4, and check that the symptom is not detected.

Is DTC detected and does symptom remain?

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

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

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

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INTERIOR ROOM LAMP CONTROL SYSTEM

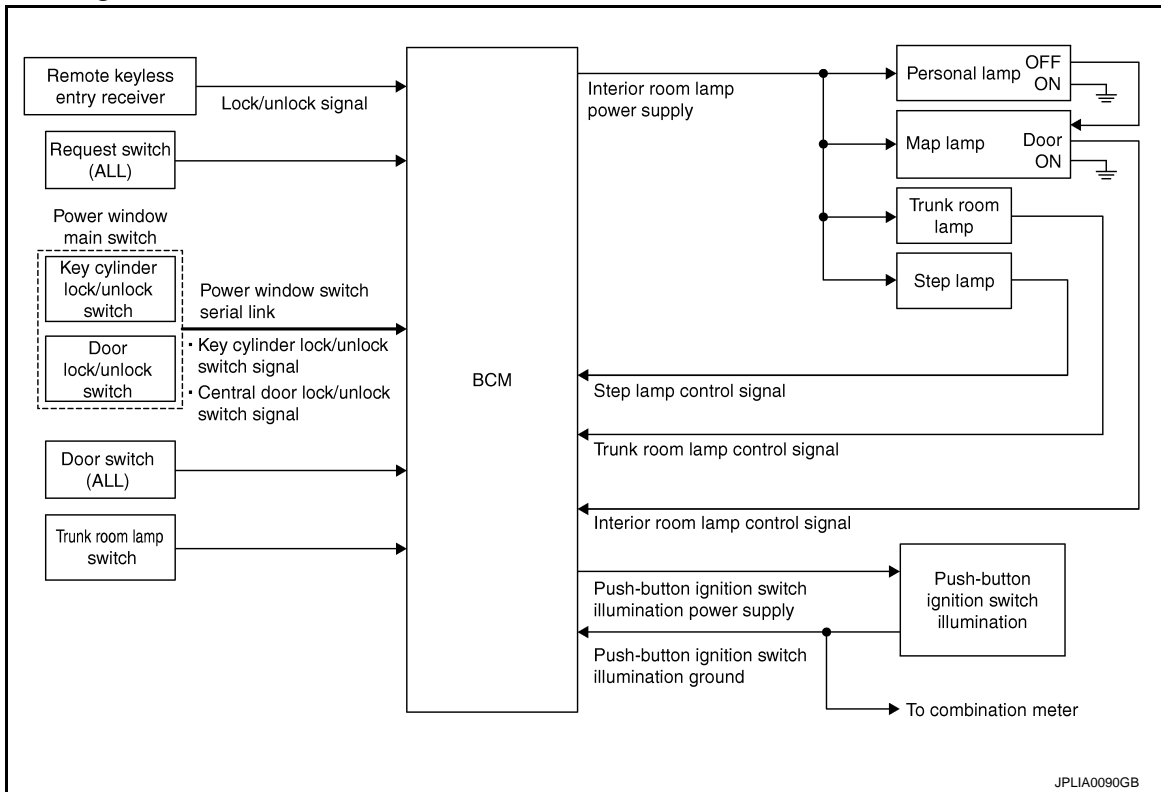
< SYSTEM DESCRIPTION >

SYSTEM DESCRIPTION

INTERIOR ROOM LAMP CONTROL SYSTEM

System Diagram

INFOID:000000010988712



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System Description

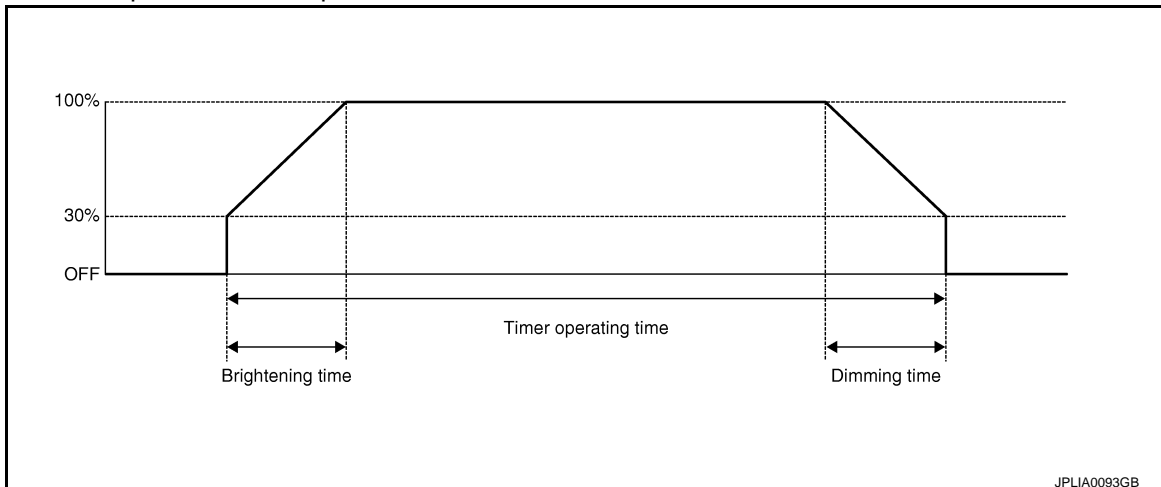
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OUTLINE

- Interior room lamps* are controlled by interior room lamp timer control function of BCM.
 - *: Map lamp and personal lamp (when map lamp switch is in DOOR position).
- Trunk room lamp is controlled by trunk room lamp control function of BCM.
- Step lamp is controlled by step lamp control function of BCM.
- Push-button ignition switch illumination is controlled by the push-button ignition switch illumination control function of BCM.

INTERIOR ROOM LAMP TIMER CONTROL

Interior Room Lamp Timer Basic Operation



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INTERIOR ROOM LAMP CONTROL SYSTEM

< SYSTEM DESCRIPTION >

- The interior room lamp turns ON and OFF (gradual brightening and dimming) by the interior room timer.
- BCM judges the vehicle condition with the following items. It activates the interior room timer.
- Ignition switch status
- Door switch signal (ALL)
- Door lock/unlock signal (Remote keyless entry receiver, each request switch, key cylinder lock/unlock switch, door lock/unlock switch)

NOTE:

Each function of interior room lamp timer can be set by CONSULT. Refer to [INL-17, "INT LAMP : CONSULT Function \(BCM - INT LAMP\)"](#).

Interior Room Lamp ON Operation

- BCM always turns the interior room lamp ON when any door opens.
- BCM activates the interior room lamp timer in any of the following conditions to turn the interior room lamp ON for a period of time.
- 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:

Restart the timer if new condition is input during the timer operating time.

Interior Room Lamp OFF Operation

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

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

TRUNK ROOM LAMP CONTROL

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

STEP LAMP CONTROL

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

PUSH-BUTTON IGNITION SWITCH ILLUMINATION CONTROL

Push-button Ignition Switch Illumination Basic Operation

- BCM provides the power supply and the ground to turn the push-button ignition switch illumination ON.
- BCM cuts the ground supply while the each illumination (tail lamp) ON. BCM switches to the ground control with the meter illumination control function.

Push-button Ignition Switch Illumination ON Operation

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

- Ignition switch ON
- Each illumination (tail lamp) ON
- Any of the following conditions with ignition switch OFF
- Engine start permission is entered.
- Intelligent Key inserted into the key slot.
- Driver door is LOCK → UNLOCK.
- Driver door is open.

Push-button Ignition Switch Illumination OFF Operation

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

- The push-button ignition switch illumination ON conditions do not satisfy.
- All of the following conditions with ignition switch OFF
- Each illumination (tail lamp) OFF
- The push-button ignition switch illumination ON conditions do not change (15 seconds after the ignition switch OFF) or the driver door is UNLOCK → LOCK

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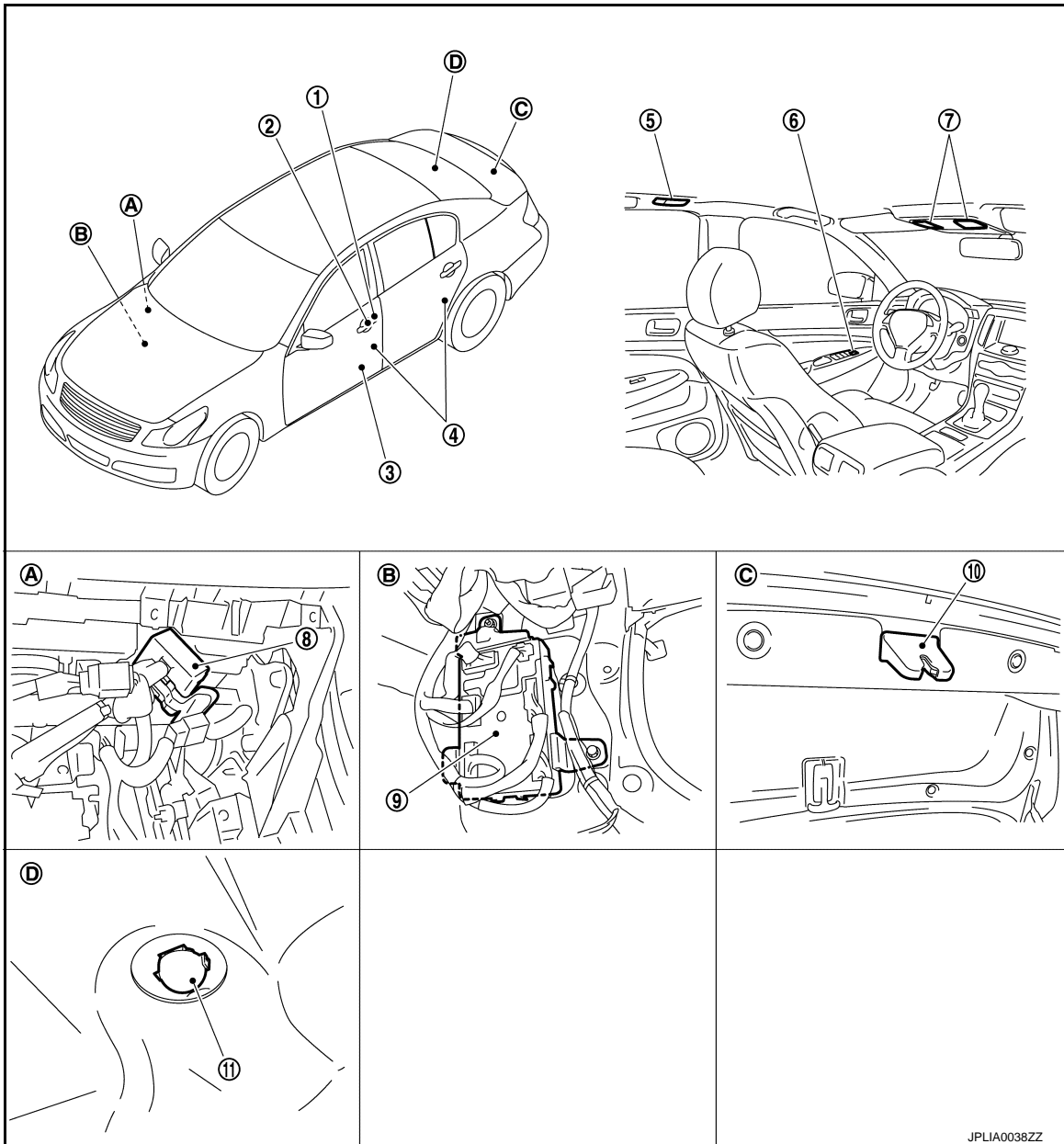
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INTERIOR ROOM LAMP CONTROL SYSTEM

< SYSTEM DESCRIPTION >

Component Parts Location

INFOID:000000010988714



- | | | |
|----------------------------|-------------------------------------|----------------------------|
| 1. Key cylinder switch | 2. Request switch | 3. Step lamp |
| 4. Door switch | 5. Personal lamp | 6. Door lock/unlock switch |
| 7. Map lamp | 8. Remote keyless entry receiver | 9. BCM |
| 10. Trunk room lamp switch | 11. Trunk room lamp | |
| A. Behind the glove box | B. Dash side lower (passenger side) | C. Trunk lid lock assembly |
| D. Trunk room upward | | |

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INTERIOR ROOM LAMP CONTROL SYSTEM

< SYSTEM DESCRIPTION >

Component Description

INFOID:000000010988715

Part	Description
BCM	<ul style="list-style-type: none">• Activates the interior room lamp timer depending on the vehicle condition to turn the interior room lamp ON/OFF.• Turns the trunk room lamp ON /OFF according to the trunk room lamp switch status.• Turns the step lamp ON /OFF according to any door switch status.
Remote keyless entry receiver	Transmits the lock/unlock signal to BCM.
<ul style="list-style-type: none">• Door lock/unlock switch• Key cylinder lock/unlock switch	Transmits a switch signal by power window switch serial link.
<ul style="list-style-type: none">• Request switch• Door switch• Trunk room lamp switch	Inputs a switch signal to BCM.

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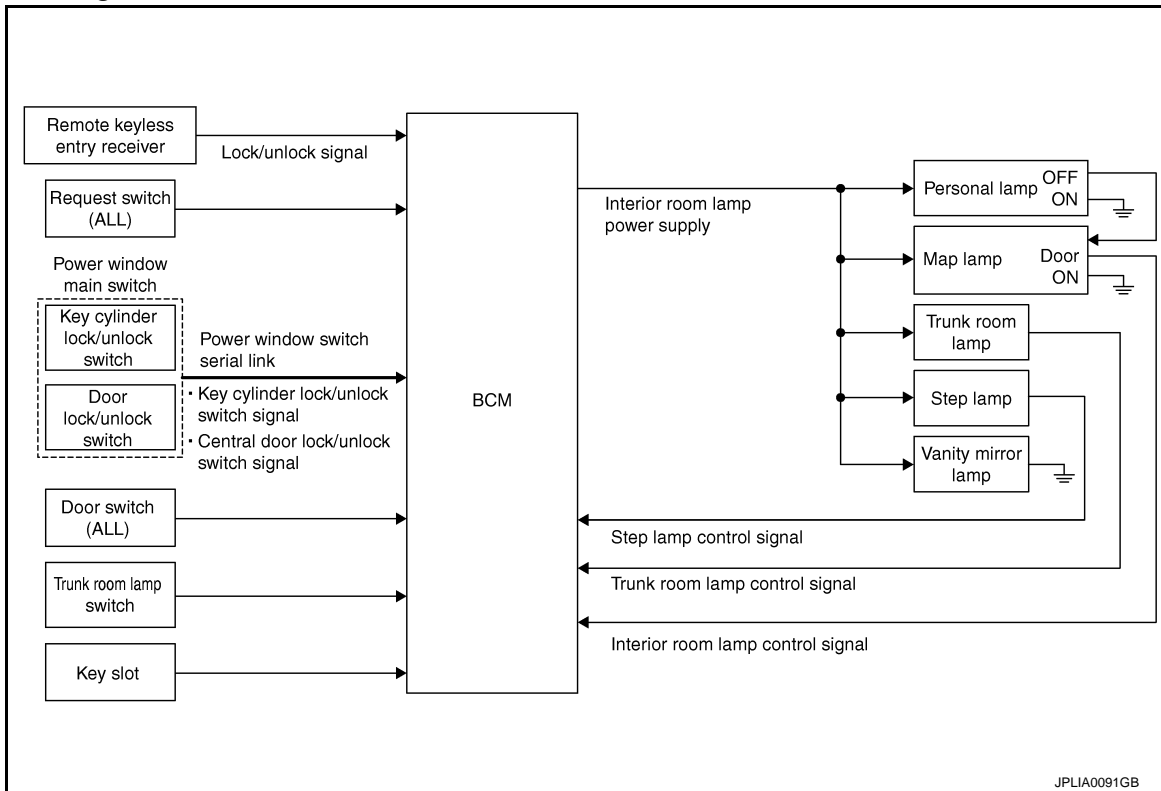
INTERIOR ROOM LAMP BATTERY SAVER SYSTEM

< SYSTEM DESCRIPTION >

INTERIOR ROOM LAMP BATTERY SAVER SYSTEM

System Diagram

INFOID:000000010988716



System Description

INFOID:000000010988717

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
- Step lamp
- Trunk room lamp
- Vanity mirror lamp

INTERIOR ROOM LAMP BATTERY SAVER FUNCTION

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

NOTE:

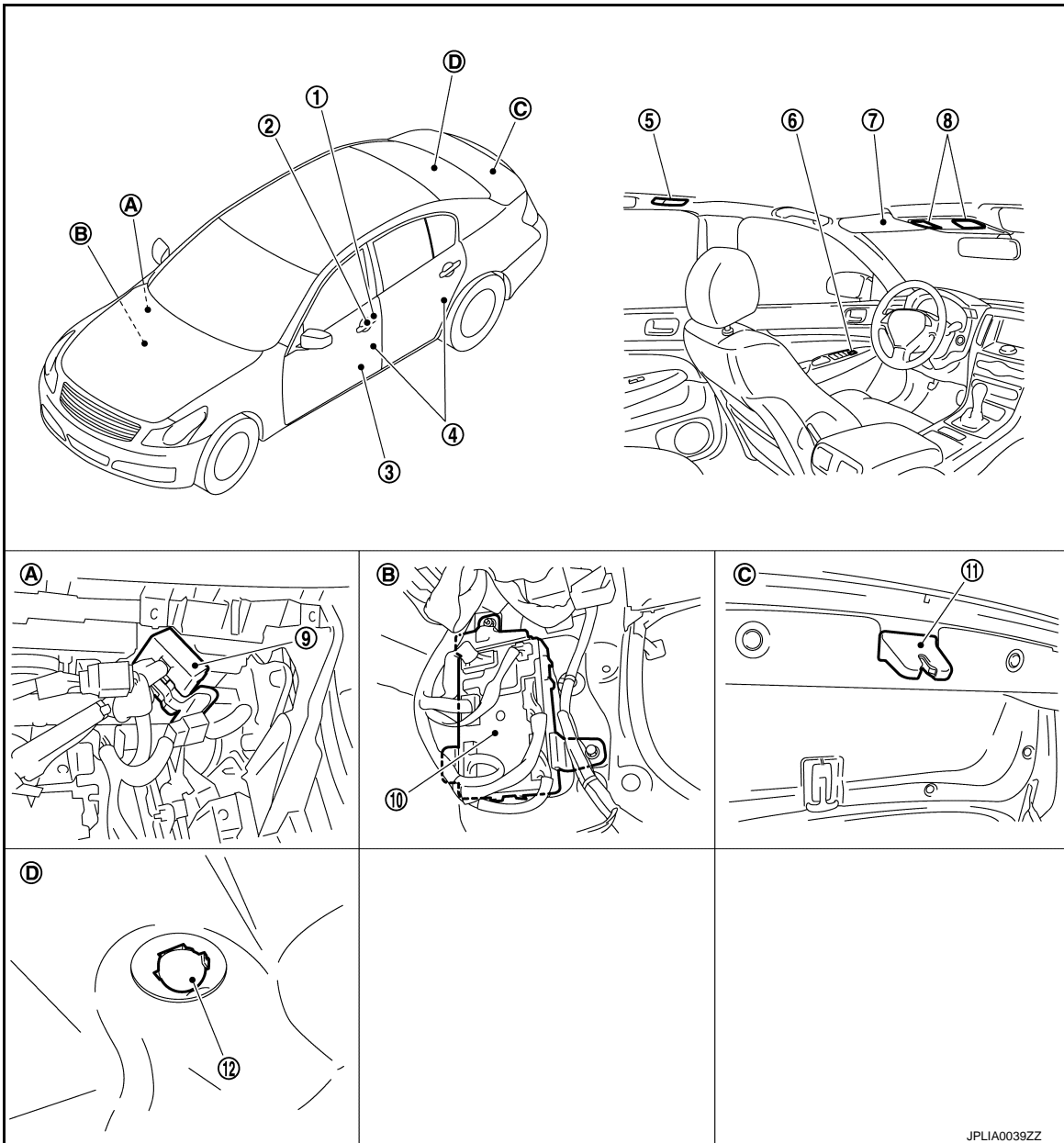
Each function of interior room lamp battery saver can be set by CONSULT. Refer to [INL-18, "BATTERY SAVER : CONSULT Function \(BCM - BATTERY SAVER\)"](#).

INTERIOR ROOM LAMP BATTERY SAVER SYSTEM

< SYSTEM DESCRIPTION >

Component Parts Location

INFOID:000000010988718



- | | | |
|-------------------------|-------------------------------------|----------------------------------|
| 1. Key cylinder switch | 2. Request switch | 3. Step lamp |
| 4. Door switch | 5. Personal lamp | 6. Door lock/unlock switch |
| 7. Vanity mirror lamp | 8. Map lamp | 9. Remote keyless entry receiver |
| 10. BCM | 11. Trunk room lamp switch | 12. Trunk room lamp |
| A. Behind the glove box | B. Dash side lower (passenger side) | C. Trunk lid lock assembly |
| D. Trunk room upward | | |

Component Description

INFOID:000000010988719

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

INTERIOR ROOM LAMP BATTERY SAVER SYSTEM

< SYSTEM DESCRIPTION >

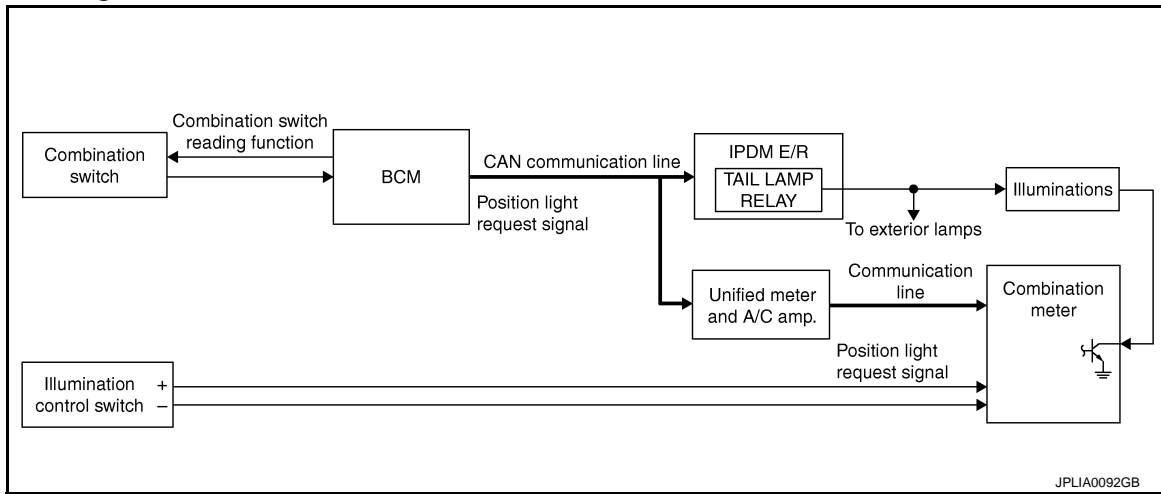
Part	Description
<ul style="list-style-type: none">• Door lock/unlock switch• Key cylinder lock/unlock switch	Transmits a switch signal by power window switch serial link.
<ul style="list-style-type: none">• Request switch• Door switch• Trunk room lamp switch	Inputs a switch signal to BCM.
Key slot	Inputs the key switch status to BCM.

ILLUMINATION CONTROL SYSTEM

< SYSTEM DESCRIPTION >

ILLUMINATION CONTROL SYSTEM

System Diagram



System Description

INFOID:000000010988721

OUTLINE

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

Control by BCM

- Combination switch reading function
- Headlamp control function

Control by IPDM E/R

- Relay control function

Control by combination meter

- Meter illumination control function (Refer to [MWI-25, "METER ILLUMINATION CONTROL : System Diagram."](#))

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 (through the unified meter and A/C amp.) 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).

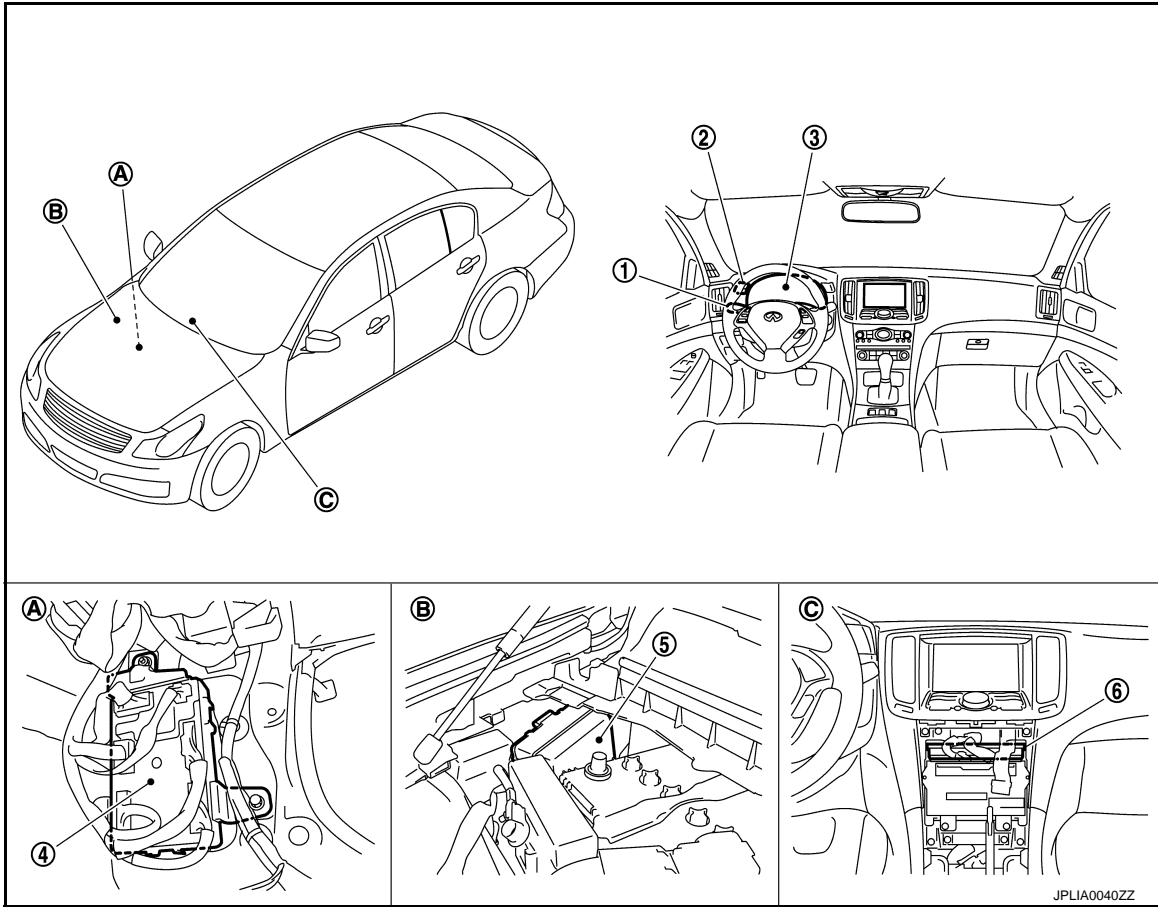
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ILLUMINATION CONTROL SYSTEM

< SYSTEM DESCRIPTION >

Component Parts Location

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- | | | |
|------------------------------------|--------------------------------|-------------------------------|
| 1. Combination switch | 2. Illumination control switch | 3. Combination meter |
| 4. BCM | 5. IPDM E/R | 6. Unified meter and A/C amp. |
| A Dash side lower (passenger side) | B. Engine room dash panel (RH) | C. Behind the cluster lid C |

Component Description

INFOID:0000000110988723

Part	Description
BCM	<ul style="list-style-type: none"> • Detects each switch condition by the combination switch reading function. • Judges the illumination lamp ON/OFF status depending on the vehicle condition. And then it transmits position light request signal to IPDM E/R and combination meter [with CAN communication (through the unified meter and A/C amp.)].
IPDM E/R	Controls the integrated relay according to the request from BCM (with CAN communication).
Combination meter	<ul style="list-style-type: none"> • Enters in nighttime mode according to the request from BCM (with CAN communication). • Controls the each illumination in the nighttime mode. Refer to MWI-25, "METER ILLUMINATION CONTROL : System Diagram" .
Combination switch (Lighting & turn signal switch)	Refer to BCS-7, "System Diagram" .

DIAGNOSIS SYSTEM (BCM)

< SYSTEM DESCRIPTION >

DIAGNOSIS SYSTEM (BCM)

COMMON ITEM

COMMON ITEM : CONSULT Function (BCM - COMMON ITEM)

INFOID:000000011405833

APPLICATION ITEM

CONSULT performs the following functions via CAN communication with BCM.

Diagnosis mode	Function Description
Work Support	Changes the setting for each system function.
Self Diagnostic Result	Displays the diagnosis results judged by BCM.
CAN Diag Support Monitor	Monitors the reception status of CAN communication viewed from BCM.
Data Monitor	The BCM input/output signals are displayed.
Active Test	The signals used to activate each device are forcibly supplied from BCM.
Ecu Identification	The BCM part number is displayed.
Configuration	This function is not used even though it is displayed.

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	x	x	x
Rear window defogger	REAR DEFOGGER		x	x
Warning chime	BUZZER		x	x
Interior room lamp timer	INT LAMP	x	x	x
Exterior lamp	HEAD LAMP	x	x	x
Wiper and washer	WIPER	x	x	x
Turn signal and hazard warning lamps	FLASHER	x	x	x
—	AIR CONDITONER*			
<ul style="list-style-type: none"> Intelligent Key system Engine start system 	INTELLIGENT KEY	x	x	x
Combination switch	COMB SW		x	
Body control system	BCM	x		
IVIS - NATS	IMMU		x	x
Interior room lamp battery saver	BATTERY SAVER	x	x	x
Trunk lid open	TRUNK		x	x
Vehicle security system	THEFT ALM	x	x	x
RAP system	RETAINED PWR		x	
Signal buffer system	SIGNAL BUFFER		x	x
TPMS	AIR PRESSURE MONITOR	x	x	x

NOTE:

*: This item is displayed, but is not used.

FREEZE FRAME DATA (FFD)

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

DIAGNOSIS SYSTEM (BCM)

< SYSTEM DESCRIPTION >

CONSULT screen item	Indication/Unit	Description	
Vehicle Speed	km/h	Vehicle speed of the moment a particular DTC is detected	
Odo/Trip Meter	km	Total mileage (Odometer value) of the moment a particular DTC is detected	
Vehicle Condition	SLEEP>LOCK	Power position status of the moment a particular DTC is detected	While turning BCM status from low power consumption mode to normal mode (Power supply position is "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"*
	OFF		Power supply position is "OFF" (Ignition switch OFF)
	ACC		Power supply position is "ACC" (Ignition switch ACC)
	ON		Power supply position is "IGN" (Ignition switch ON with engine stopped)
	ENGINE RUN		Power supply position is "RUN" (Ignition switch ON with engine running)
CRANKING	Power supply position is "CRANKING" (At engine cranking)		
IGN Counter	0 - 39	The number of times that ignition switch is turned ON after DTC is detected <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. 	

NOTE:

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

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

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

INT LAMP

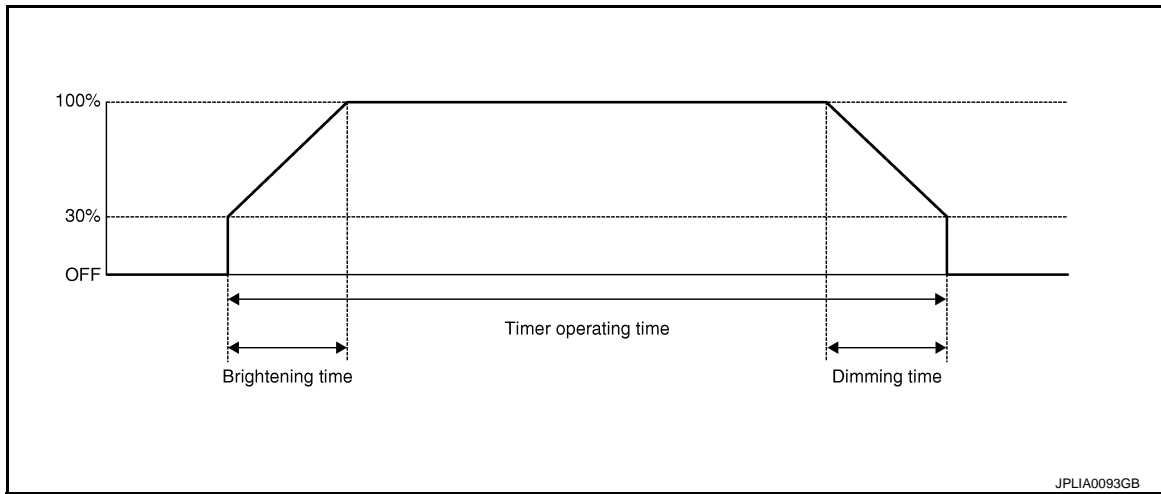
DIAGNOSIS SYSTEM (BCM)

< SYSTEM DESCRIPTION >

INT LAMP : CONSULT Function (BCM - INT LAMP)

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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.	Sets the interior room lamp ON time. (Timer operating time)
	MODE 3*	15 sec.	
	MODE 4	30 sec.	
ROOM LAMP ON TIME SET	MODE 1	0.5 sec.	Sets the interior room lamp gradual brightening time.
	MODE 2*	1 sec.	
	MODE 3	2 sec.	
	MODE 4	3 sec.	
	MODE 5	0 sec.	
ROOM LAMP OFF TIME SET	MODE 1	0.5 sec.	Sets the interior room lamp gradual dimming time.
	MODE 2	1 sec.	
	MODE 3	2 sec.	
	MODE 4*	3 sec.	
R LAMP TIMER LOGIC SET	MODE 1*	Interior room lamp timer activates with synchronizing all doors.	
	MODE 2	Interior room lamp timer activates with synchronizing the driver door only.	

*: Factory setting

DATA MONITOR

NOTE:

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

Monitor item [Unit]	Description
REQ SW-DR [On/Off]	Indicated [ON/OFF] condition of door request switch (driver side).
REQ SW-AS [On/Off]	Indicated [ON/OFF] condition of door request switch (passenger side).
PUSH SW [On/Off]	Indicates [ON/OFF] condition of push-button ignition switch.

DIAGNOSIS SYSTEM (BCM)

< SYSTEM DESCRIPTION >

Monitor item [Unit]	Description
ACC RLY-F/B [On/Off]	NOTE: This item is displayed, but cannot be monitored.
KEY SW-SLOT [On/Off]	Indicates [ON/OFF] condition of key slot.
DOOR SW-DR [On/Off]	Indicated [ON/OFF] condition of front door switch (driver side).
DOOR SW-AS [On/Off]	Indicated [ON/OFF] condition of front door switch (passenger side).
DOOR SW-RR [On/Off]	Indicated [ON/OFF] condition of rear door switch RH.
DOOR SW- RL [On/Off]	Indicated [ON/OFF] condition of rear door switch LH.
DOOR SW-BK [On/Off]	NOTE: This item is displayed, but cannot be monitored.
CDL LOCK SW [On/Off]	Indicated [ON/OFF] condition of lock signal from door lock unlock switch.
CDL UNLOCK SW [On/Off]	Indicated [ON/OFF] condition of unlock signal from door lock unlock switch.
KEY CYL LK-SW [On/Off]	Indicated [ON/OFF] condition of lock signal from door key cylinder.
KEY CYL UN-SW [On/Off]	Indicated [ON/OFF] condition of unlock signal from door key cylinder.
TRNK/HAT MNTR [On/Off]	Indicates [ON/OFF] condition of trunk lid.
RKE-LOCK [On/Off]	Indicates [ON/OFF] condition of LOCK signal from Intelligent Key.
RKE-UNLOCK [On/Off]	Indicates [ON/OFF] condition of UNLOCK signal from Intelligent Key.

ACTIVE TEST

Test item	Operation	Description
INT LAMP	On	Outputs the interior room lamp control signal.
	Off	Stops the interior room lamp control signal
STEP LAMP TEST	On	Outputs the step lamp control signal.
	Off	Stops the step lamp control signal.
LUGGAGE LAMP TEST	On	Outputs the trunk room lamp control signal.
	Off	Stops the trunk room lamp control signal.

BATTERY SAVER

BATTERY SAVER : CONSULT Function (BCM - BATTERY SAVER)

INFOID:000000010988726

WORK SUPPORT

Service item	Setting item	Setting
BATTERY SAVER SET	On*	With the exterior lamp battery saver function
	Off	Without the exterior lamp battery saver function
ROOM LAMP BAT SAV SET	On*	With the interior room lamp battery saver function
	Off	Without the interior room lamp battery saver function

DIAGNOSIS SYSTEM (BCM)

< SYSTEM DESCRIPTION >

Service item	Setting item	Setting	
ROOM LAMP TIMER SET	MODE 1	30 min.	Sets the interior room lamp battery saver timer operating time.
	MODE 2	60 min.	
	MODE 3*	15 min.	

*: Factory setting

DATA MONITOR

NOTE:

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

Monitor item [Unit]	Description
REQ SW-DR [On/Off]	Indicated [ON/OFF] condition of door request switch (driver side).
REQ SW-AS [On/Off]	Indicated [ON/OFF] condition of door request switch (passenger side).
PUSH SW [On/Off]	Indicates [ON/OFF] condition of push-button ignition switch.
ACC RLY-F/B [On/Off]	NOTE: This item is displayed, but cannot be monitored.
KEY SW-SLOT [On/Off]	Indicates [ON/OFF] condition of key slot.
DOOR SW-DR [On/Off]	Indicated [ON/OFF] condition of front door switch (driver side).
DOOR SW-AS [On/Off]	Indicated [ON/OFF] condition of front door switch (passenger side).
DOOR SW-RR [On/Off]	Indicated [ON/OFF] condition of rear door switch RH.
DOOR SW- RL [On/Off]	Indicated [ON/OFF] condition of rear door switch LH.
DOOR SW-BK [On/Off]	NOTE: This item is displayed, but cannot be monitored.
CDL LOCK SW [On/Off]	Indicated [ON/OFF] condition of lock signal from door lock unlock switch.
CDL UNLOCK SW [On/Off]	Indicated [ON/OFF] condition of unlock signal from door lock unlock switch.
KEY CYL LK-SW [On/Off]	Indicated [ON/OFF] condition of lock signal from door key cylinder.
KEY CYL UN-SW [On/Off]	Indicated [ON/OFF] condition of unlock signal from door key cylinder.
TRNK/HAT MNTR [On/Off]	Indicates [ON/OFF] condition of trunk lid.
RKE-LOCK [On/Off]	Indicates [ON/OFF] condition of LOCK signal from Intelligent Key.
RKE-UNLOCK [On/Off]	Indicates [ON/OFF] condition of UNLOCK signal from Intelligent Key.

ACTIVE TEST

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

POWER SUPPLY AND GROUND CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

DTC/CIRCUIT DIAGNOSIS

POWER SUPPLY AND GROUND CIRCUIT

BCM (BODY CONTROL MODULE)

BCM (BODY CONTROL MODULE) : Diagnosis Procedure

INFOID:000000010988727

1. CHECK FUSE AND FUSIBLE LINK

Check that the following fuse and fusible link are not blown.

Signal name	Fuse and fusible link No.
Battery power supply	K
	10

Is the fuse fusing?

YES >> Replace the blown fuse or fusible link after repairing the affected circuit if a fuse or fusible link is blown.

NO >> GO TO 2.

2. CHECK POWER SUPPLY CIRCUIT

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

Terminals		Voltage (Approx.)
(+)	(-)	
BCM		Ground Battery voltage
Connector	Terminal	
M118	1	
M119	11	

Is the measurement value normal?

YES >> GO TO 3.

NO >> Repair harness or connector.

3. CHECK GROUND CIRCUIT

Check continuity between BCM harness connector and ground.

BCM		Ground	Continuity
Connector	Terminal		
M119	13		Existed

Does continuity exist?

YES >> INSPECTION END

NO >> Repair harness or connector.

INTERIOR ROOM LAMP POWER SUPPLY CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

INTERIOR ROOM LAMP POWER SUPPLY CIRCUIT

Description

INFOID:000000010988728

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

Component Function Check

INFOID:000000010988729

1. CHECK INTERIOR ROOM LAMP POWER SUPPLY FUNCTION

CONSULT ACTIVE TEST

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

Off : Interior room lamp OFF

On : Interior room lamp ON

Does the interior room lamp turn ON/OFF?

- YES >> Interior room lamp power supply circuit is normal.
NO >> Refer to [INL-21, "Diagnosis Procedure"](#).

Diagnosis Procedure

INFOID:000000010988730

1. CHECK INTERIOR ROOM LAMP POWER SUPPLY OUTPUT

CONSULT ACTIVE TEST

1. Turn the ignition switch ON.
2. Select "BATTERY SAVER" of BCM (BATTERY SAVER) active test item.
3. With operating the test item, check voltage between BCM harness connector and the ground.

Terminals		Test item	Voltage (Approx.)
(+)	(-)		
BCM		BATTERY SAVER	0 V
Connector	Terminal		
M119	4	Off	0 V
		On	Battery voltage

Is the measurement value normal?

- YES >> GO TO 2.
NO >> Replace BCM. Refer to [BCS-90, "Removal and Installation"](#).

2. CHECK INTERIOR ROOM LAMP POWER SUPPLY OPEN CIRCUIT

1. Turn the ignition switch OFF.
2. Disconnect the following connectors.
 - Map lamp
 - Personal lamp
 - Vanity mirror lamp (LH)
 - Vanity mirror lamp (RH)
 - Trunk room lamp
 - Step lamp (driver side)
 - Step lamp (passenger side)

INTERIOR ROOM LAMP POWER SUPPLY CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

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

BCM		Each interior room lamp			Continuity
Connector	Terminal	Connector	Terminal		
M119	4	Map lamp	R15	1	Existed
		Personal lamp	R14	1	
		Vanity mirror lamp (LH)	R12	2	
		Vanity mirror lamp (RH)	R13	2	
		Trunk room lamp	B47	1	
		Step lamp (driver side)	D12	1	
		Step lamp (passenger side)	D42	1	

Does continuity exist?

YES >> GO TO 3.

NO >> Repair the harnesses or connectors.

3. CHECK INTERIOR ROOM LAMP POWER SUPPLY SHORT CIRCUIT

Check continuity between BCM harness connector and the ground.

BCM		Ground	Continuity
Connector	Terminal		
M119	4		Not existed

Does continuity exist?

YES >> Repair the harnesses or connectors.

NO >> Check that each interior room lamp has no internal short circuit.

INTERIOR ROOM LAMP CONTROL CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

INTERIOR ROOM LAMP CONTROL CIRCUIT

Description

INFOID:0000000010988731

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:0000000010988732

CAUTION:

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

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

1.CHECK INTERIOR ROOM LAMP CONTROL FUNCTION

CONSULT ACTIVE TEST

1. Switch the map lamp switch to DOOR.
2. Turn the 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-23. "Diagnosis Procedure"](#).

Diagnosis Procedure

INFOID:0000000010988733

1.CHECK INTERIOR ROOM LAMP CONTROL OUTPUT

CONSULT ACTIVE TEST

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

BCM		Ground	Test item	Continuity
Connector	Terminal		INT LAMP	
M119	19		On	Existed
			Off	Not existed

Is the measurement value normal?

YES >> GO TO 2.

Fixed ON>>GO TO 3.

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

2.CHECK INTERIOR ROOM LAMP CONTROL OPEN CIRCUIT

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

INTERIOR ROOM LAMP CONTROL CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

BCM		Map lamp/personal lamp			Continuity
Connector	Terminal	Connector	Terminal		
M119	19	Map lamp	R15	2	Existed
		Personal lamp	R14	3	

Does continuity exist?

YES >> Replace the map lamp or the personal lamp.

NO >> Repair the harnesses or connectors.

3. CHECK INTERIOR ROOM LAMP CONTROL SHORT CIRCUIT

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

BCM		Ground	Continuity
Connector	Terminal		
M119	19		Not existed

Does continuity exist?

YES >> Repair the harnesses or connectors.

NO >> Replace BCM. Refer to [BCS-90. "Removal and Installation"](#).

STEP LAMP CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

STEP LAMP CIRCUIT

Description

INFOID:000000010988734

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

Component Function Check

INFOID:000000010988735

CAUTION:

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

- Interior room lamp power supply
- Step lamp bulb

1.CHECK STEP LAMP OPERATION

CONSULT ACTIVE TEST

1. Turn the 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-25, "Diagnosis Procedure"](#).

Diagnosis Procedure

INFOID:000000010988736

1.CHECK STEP LAMP OUTPUT

CONSULT ACTIVE TEST

1. Turn the ignition switch OFF.
2. Remove the step lamp bulbs (driver side and passenger side).
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 the ground.

BCM		Ground	Test item	Continuity
Connector	Terminal		STEP LAMP TEST	
M119	7		On	Existed
			Off	Not existed

Is the measurement value normal?

- YES >> GO TO 2.
Fixed ON>>GO TO 3.
Fixed OFF>>Replace BCM. Refer to [BCS-90, "Removal and Installation"](#).

2.CHECK STEP LAMP OPEN CIRCUIT

1. Turn the 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		
M119	7	Driver side	D12	2	Existed
		Passenger side	D42	2	

STEP LAMP CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

Does continuity exist?

- YES >> Replace the step lamp.
NO >> Repair the harnesses or connectors.

3. CHECK STEP LAMP SHORT CIRCUIT

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

BCM		Ground	Continuity
Connector	Terminal		
M119	7		Not existed

Does continuity exist?

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

TRUNK ROOM LAMP CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

TRUNK ROOM LAMP CIRCUIT

Description

INFOID:000000010988737

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

Component Function Check

INFOID:000000010988738

CAUTION:

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

- Interior room lamp power supply
- Trunk room lamp bulb

1. CHECK TRUNK ROOM LAMP OPERATION

CONSULT ACTIVE TEST

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

On : Trunk room lamp ON
Off : Trunk room lamp OFF

Does the trunk room lamp turn ON/OFF?

- YES >> Trunk room lamp circuit is normal.
NO >> Refer to [INL-27, "Diagnosis Procedure"](#).

Diagnosis Procedure

INFOID:000000010988739

1. CHECK TRUNK ROOM LAMP OUTPUT

CONSULT ACTIVE TEST

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

BCM		Ground	Test item	Continuity
Connector	Terminal		LUGGAGE LAMP TEST	
M120	30		On	Existed
			Off	Not existed

Is the measurement value normal?

- YES >> GO TO 2.
Fixed ON>>GO TO 3.
Fixed OFF>>Replace BCM. Refer to [BCS-90, "Removal and Installation"](#).

2. CHECK TRUNK ROOM LAMP OPEN CIRCUIT

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

BCM		Trunk room lamp		Continuity
Connector	Terminal	Connector	Terminal	
M120	30	B47	2	Existed

Does continuity exist?

- YES >> Replace trunk room lamp.

TRUNK ROOM LAMP CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

NO >> Repair harnesses or connectors.

3. CHECK TRUNK ROOM LAMP SHORT CIRCUIT

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

BCM		Ground	Continuity
Connector	Terminal		
M120	30		Not existed

Does continuity exist?

YES >> Repair the harnesses or connectors.

NO >> Replace BCM. Refer to [BCS-90. "Removal and Installation"](#).

PUSH-BUTTON IGNITION SWITCH ILLUMINATION CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

PUSH-BUTTON IGNITION SWITCH ILLUMINATION CIRCUIT

Description

INFOID:0000000010988740

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

Component Function Check

INFOID:0000000010988741

1. CHECK PUSH-BUTTON IGNITION SWITCH ILLUMINATION OPERATION

CONSULT ACTIVE TEST

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

On : Push-button ignition switch illumination ON

Off : Push-button ignition switch illumination OFF

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

- YES >> Push-button ignition switch illumination circuit is normal.
NO >> Refer to [INL-29, "Diagnosis Procedure"](#).

Diagnosis Procedure

INFOID:0000000010988742

1. CHECK ILLUMINATION CONTROL SWITCHING OPERATION

1. Turn the ignition switch ON.
2. With operating the lighting switch, check that the push-button ignition switch illumination turns ON/OFF.

Condition	Push-button ignition switch illumination
<ul style="list-style-type: none">• Ignition switch ON• Lighting switch 1ST	ON
<ul style="list-style-type: none">• Ignition switch OFF• Lighting switch OFF• Driver door LOCK	OFF

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

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

2. CHECK PUSH-BUTTON IGNITION SWITCH ILLUMINATION GROUND CIRCUIT

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

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

Does the continuity exist?

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

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

CONSULT ACTIVE TEST

1. Turn the ignition switch ON.
2. Select "ENGINE SW ILLUMI" of BCM (INTELLIGENT KEY) active test item.
3. With operating the test item, check voltage between BCM harness connector and the ground.

PUSH-BUTTON IGNITION SWITCH ILLUMINATION CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

Terminals		Test item	Voltage (Approx.)
(+)	(-)		
BCM		ENGINE SW ILLUMI	5 V
Connector	Terminal		
M123	133	ON	5 V
		OFF	0 V

Is the measurement value normal?

YES >> GO TO 4.

NO >> GO TO 5.

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

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

BCM		Push-button ignition switch		Continuity
Connector	Terminal	Connector	Terminal	
M123	133	M50	3	Existed

Does the continuity exist?

YES >> Replace the push-button ignition switch.

NO >> Repair the harness or the connector.

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

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

BCM		Ground	Continuity
Connector	Terminal		
M123	133		Not existed

Does the continuity exist?

YES >> Repair the harness or the connector.

NO >> Replace BCM. Refer to [BCS-90. "Removal and Installation"](#).

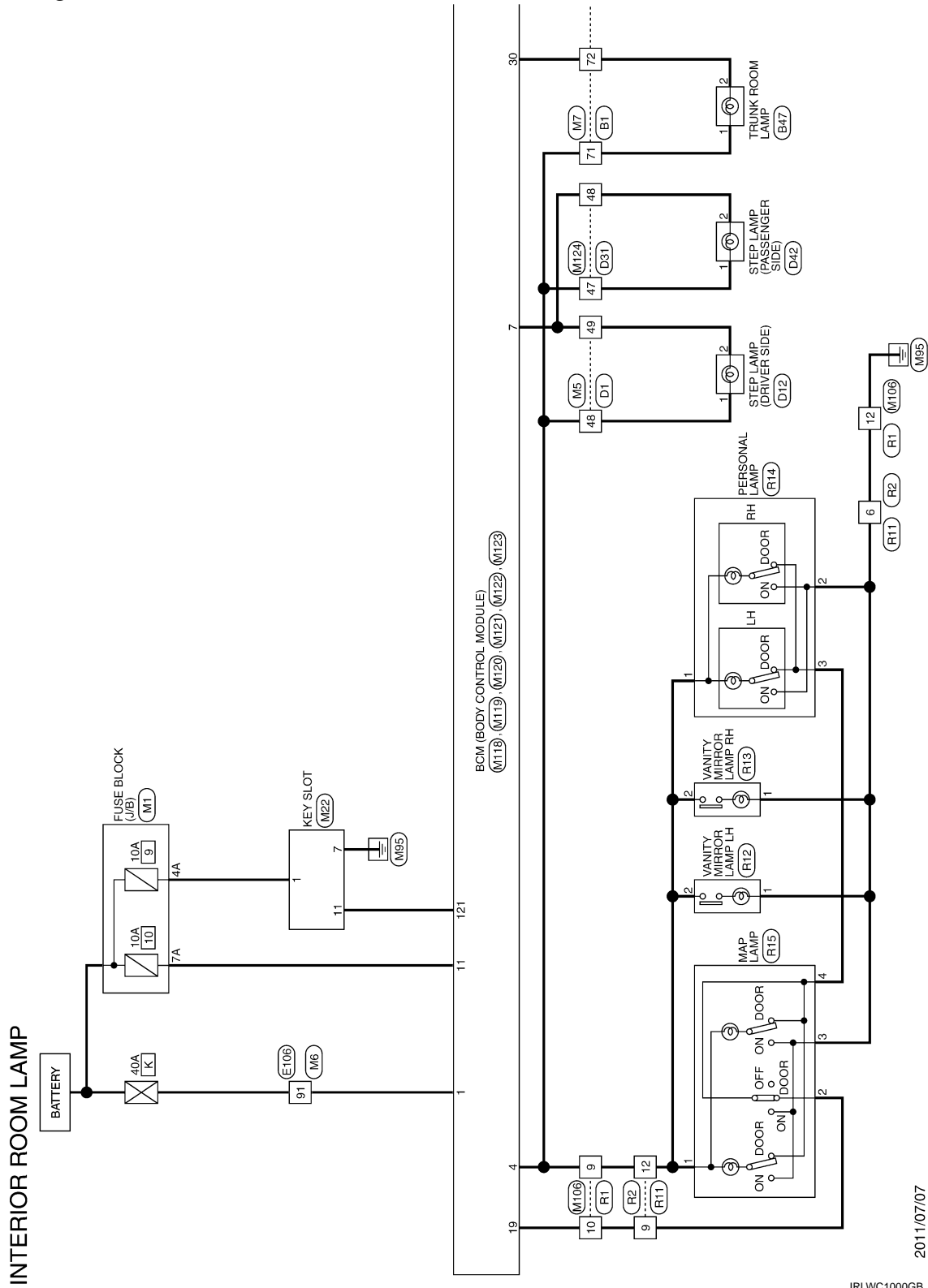
INTERIOR ROOM LAMP CONTROL SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

INTERIOR ROOM LAMP CONTROL SYSTEM

Wiring Diagram - INTERIOR ROOM LAMP -

INFOID:000000010988743



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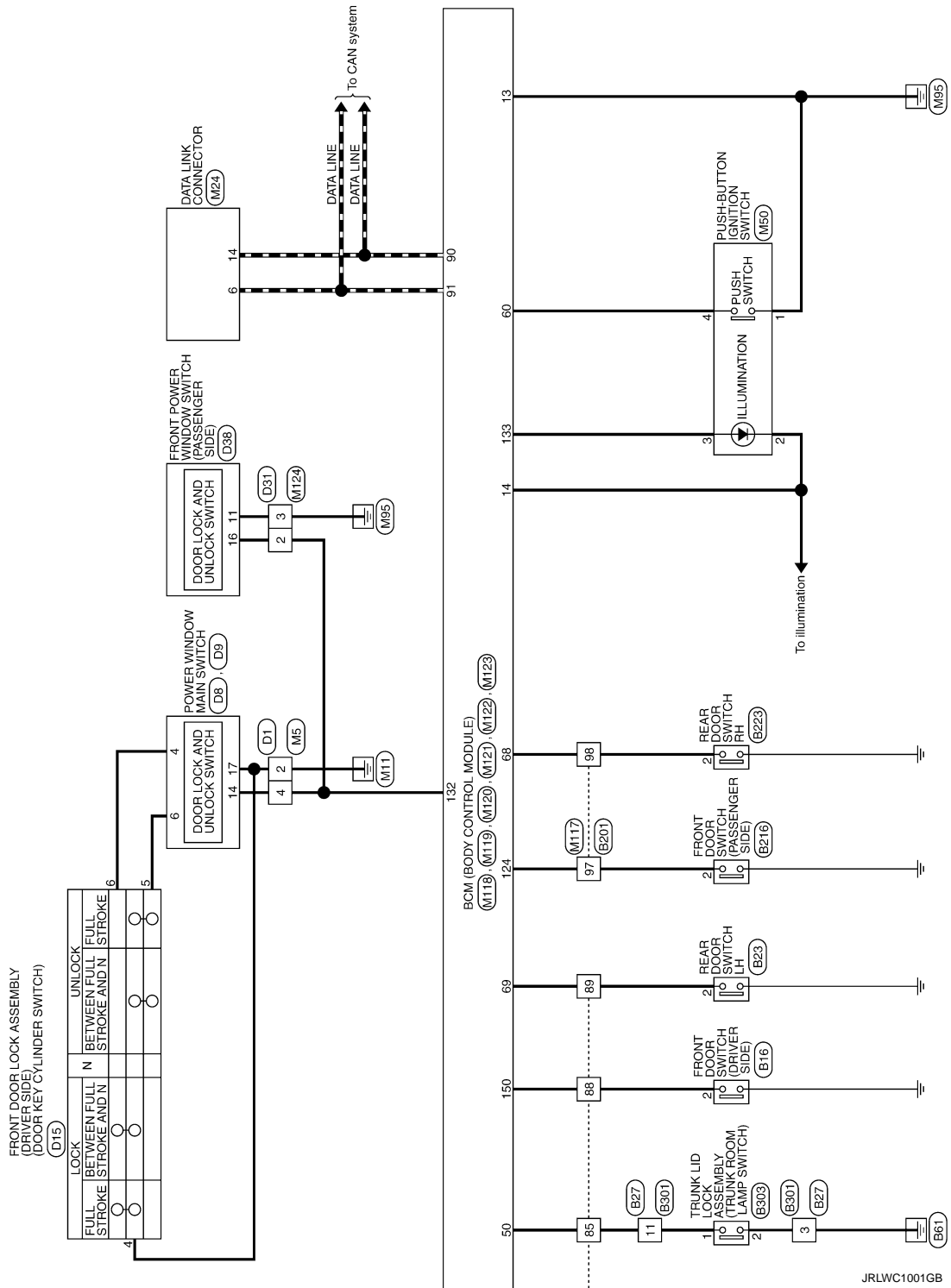
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INTERIOR ROOM LAMP CONTROL SYSTEM

< DTC/CIRCUIT DIAGNOSIS >



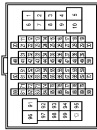
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INTERIOR ROOM LAMP CONTROL SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

INTERIOR ROOM LAMP

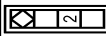
Connector No.	B1
Connector Name	WIRE TO WIRE
Connector Type	TR80FW-CS16-TM4



Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	-
2	BG	-
3	V	-
4	Y	-
5	R	-
6	W	-
7	LG	-
8	R	-
9	LG	-
10	V	-
11	SB	-
12	G	-
13	W	-
14	R	-
15	V	-
16	SB	-
17	SHIELD	-
18	PR	-
19	Y	-
20	SHIELD	-
21	Y	-
22	SB	-
23	P	-
24	L	-
25	SHIELD	-
26	R	-
27	G	-
28	SHIELD	-
29	SB	-
30	BR	-
31	Y	-
32	SB	-
33	SHIELD	-
34	PR	-
35	Y	-
36	SHIELD	-
37	SHIELD	-
38	Y	-
39	SB	-
40	P	-
41	L	-
42	SHIELD	-
43	R	-
44	G	-
45	SHIELD	-
46	SB	-
47	BR	-
48	Y	-
49	SB	-
50	Y	-
51	SB	-
52	Y	-
53	SB	-
54	Y	-
55	SB	-
56	Y	-
57	SB	-
58	Y	-
59	SB	-
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61	SB	-
62	Y	-
63	SB	-
64	Y	-
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70	Y	-
71	SB	-
72	GR	-
73	P	-

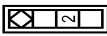
74	L	-
75	L	-
76	S	-
77	Y	-
78	G	-
79	W	-
80	R	-
81	BR	-
82	Y	-
83	SB	-
84	P	-
85	BG	-

Connector No.	B16
Connector Name	FRONT DOOR SWITCH (DRIVER SIDE)
Connector Type	AG8FW



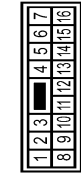
Terminal No.	Color Of Wire	Signal Name [Specification]
2	BR	-

Connector No.	B23
Connector Name	REAR DOOR SWITCH LH
Connector Type	AD3FW



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

Connector No.	B27
Connector Name	WIRE TO WIRE
Connector Type	NS16MP-CS



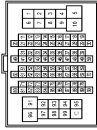
Terminal No.	Color Of Wire	Signal Name [Specification]
2	BG	-
3	B	-
4	Y	-
5	B	-
6	W	-
7	G	-
8	SHIELD	-
9	B	-
10	W	-
11	R	-
12	SHIELD	-
13	B	-
14	W	-
15	R	-

Connector No.	B47
Connector Name	TRUNK ROOM LAMP
Connector Type	S22FW



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

Connector No.	B201
Connector Name	WIRE TO WIRE
Connector Type	TR80FW-CS16-TM4



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

< DTC/CIRCUIT DIAGNOSIS >

INTERIOR ROOM LAMP

Connector No.	B216
Connector Name	FRONT DOOR SWITCH (PASSENGER SIDE)
Connector Type	JAG3FW

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



Connector No.	B223
Connector Name	REAR DOOR SWITCH RH
Connector Type	JAG3FW

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



Connector No.	B503
Connector Name	TRUNK LID LOCK ASSEMBLY
Connector Type	TB03FW

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

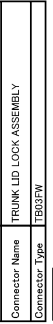
Connector No.	D1
Connector Name	WIRE TO WIRE
Connector Type	TH40FW-CS13

Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	B	-
3	SB	-
4	V	-
8	L	-
9	P	-
10	LG	-
12	GR	- [With BOSE system]
13	Y	- [Without BOSE system]
14	W	-
15	R	-



Connector No.	D8
Connector Name	POWER WINDOW MAIN SWITCH
Connector Type	NS16FW-CS

Terminal No.	Color Of Wire	Signal Name [Specification]
2	LG	-
3	V	-
6	Y	-
8	L	-
9	BG	-
10	SB	-
11	G	-
13	P	-
14	V	-
15	B	-



Connector No.	D9
Connector Name	POWER WINDOW MAIN SWITCH
Connector Type	NS03FW-CS

Terminal No.	Color Of Wire	Signal Name [Specification]
17	B	-
19	Y	-



JRLWD9172GB

INTERIOR ROOM LAMP CONTROL SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

INTERIOR ROOM LAMP

Connector No.	D12
Connector Name	STEP LAMP (DRIVER SIDE)
Connector Type	TEB2FW



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

Connector No.	D15
Connector Name	FRONT DOOR LOCK ASSEMBLY (DRIVER SIDE)
Connector Type	EBRFSY-RS



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

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



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

Connector No.	D38
Connector Name	FRONT POWER WINDOW SWITCH (PASSENGER SIDE)
Connector Type	NSJBFW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
3	LG	-
4	B	-
5	G	-
6	G	-
7	Y	-
8	B	-
9	P	-
10	B	-
11	V	-
12	P	-
13	BG	-
14	V	-
15	V	-
16	V	-

Connector No.	D42
Connector Name	STEP LAMP (PASSENGER SIDE)
Connector Type	TB62FW



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

Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	TB80FW-CS16-TM4



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

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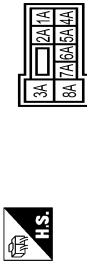
INTERIOR ROOM LAMP CONTROL SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

INTERIOR ROOM LAMP

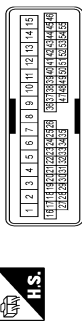
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89	W	-	-
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91	W	-	-
92	GR	-	-
93	LG	-	-
94	SB	-	-
95	SB	-	-
96	SHIELD	-	-
97	L	-	-
98	L	-	-
99	P	-	-
100	P	-	-

Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS067P-MZ



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

Connector No.	M5
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-GS15



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

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-GS16-TM4



Terminal No.	Color Of Wire	Signal Name [Specification]
1	BG	-
2	G	-
3	G	-
4	LG	-
5	W	-
6	LG	-
7	W	-
8	G	-
9	G	-
10	V	-
11	V	-
12	R	-
13	L	-
14	GR	-
15	P	-
16	W	-
17	BR	-
18	P	-
19	L	-
20	L	-
21	Y	-
22	L	-
23	L	-
24	Y	-
25	R	-
26	R	-
27	SS	-
28	V	-
29	V	-
30	V	-
31	V	-
32	V	-
33	V	-
34	V	-
35	V	-
36	V	-
37	V	-
38	R	-
39	SS	-
40	P	-
41	V	-
42	LG	-
43	P	-
44	B	-
45	BG	-
46	G	-
47	L	-
48	P	-
49	P	-
50	P	-
51	P	-
52	P	-
53	P	-
54	P	-
55	P	-
56	P	-
57	P	-
58	P	-
59	P	-
60	P	-
61	P	-
62	P	-
63	P	-
64	P	-
65	P	-
66	Y	-
67	G	-
68	SS	-
69	SS	-
70	SS	-
71	SS	-
72	SS	-
73	SS	-
74	SS	-
75	SS	-
76	SS	-
77	SS	-
78	SS	-
79	SS	-
80	SS	-
81	B	-
82	V	-
83	W	-

84	L	-	-
85	GR	-	-
86	LG	-	-
87	W	-	-
88	W	-	-
89	W	-	-
90	W	-	-
91	W	-	-
92	GR	-	-
93	GR	-	-
94	SHIELD	-	-
95	V	-	-
96	V	-	-
97	V	-	-
98	SB	-	-
99	SB	-	-
100	SB	-	-

Connector No.	M7
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-GS16-TM4



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

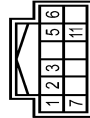
INTERIOR ROOM LAMP CONTROL SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

INTERIOR ROOM LAMP

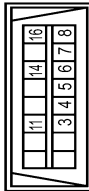
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45	SHIELD	-
46	SB	-
47	Y	-
48	G	-
49	W	-
50	B	-
51	V	-
52	Y	-
53	P	-
54	SB	-
55	W	-
56	V	-
57	Y	-
58	G	-
59	SHIELD	-
60	P	-
61	L	-
62	W	-
63	BR	-
64	LG	-
65	SB	-
66	Y	-
67	SHIELD	-
68	P	-
69	L	-
70	Y	-
71	G	-
72	V	-
73	SB	-
74	W	-
75	BR	-
76	LG	-
77	SB	-
78	Y	-
79	G	-
80	P	-
81	L	-
82	W	-
83	BR	-
84	LG	-
85	SB	-
86	Y	-
87	G	-
88	P	-
89	L	-
90	W	-
91	BR	-
92	LG	-
93	P	-
94	EG	-

Connector No.	M22
Connector Name	KEY SLOT
Connector Type	TH12PW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	BAT
2	GR	CLOCK
3	W	DATA
4	W	ILL-BAT
5	LG	EG
6	B	GROUND
7	SB	KEY SWITCH SIGNAL
11	SB	KEY SWITCH SIGNAL

Connector No.	M24
Connector Name	DATA LINK CONNECTOR
Connector Type	BD16PW-P



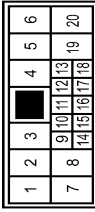
Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG	-
2	SB	-
3	Y	-
4	L	-
5	BR	-
6	LG	-
7	V	-
8	G	-
9	Y	-
10	SB	-
11	SB	-
12	P	-
13	W	-
14	P	-
15	R	-
16	R	-

Connector No.	M50
Connector Name	PUSH-BUTTON IGNITION SWITCH
Connector Type	TK08FBR



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

Connector No.	M106
Connector Name	WIRE TO WIRE
Connector Type	NH10MH-CSI0



Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
2	LG	-
3	SHIELD	-
4	Y	-
5	BR	-
6	EG	-
7	V	-
8	Y	-
9	P	-
10	LG	-
11	V	-
12	B	-
13	R	-
14	R	-
15	R	-
16	G	-
17	SHIELD	-
18	B	-

Connector No.	M117
Connector Name	WIRE TO WIRE
Connector Type	TH80MM-CSI6-TM4



Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG	-
6	G	-
7	SB	-
31	SB	-

32	LG	-
33	SB	-
34	G	-
35	Y	-
40	G	-
42	LG	-
43	R	-
45	G	-
46	SHIELD	-
47	P	-
48	L	-
49	SHIELD	-
50	V	-
59	R	-
71	R	-
80	SHIELD	-
82	P	-
83	L	-
84	G	-
85	SHIELD	-
86	W	-
87	B	-
88	R	-
89	G	-
90	Y	-
91	V	-
92	BR	-
93	V	-
94	G	-
96	G	-
97	R	-
98	BG	-
99	P	-
100	L	-

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INTERIOR ROOM LAMP CONTROL SYSTEM

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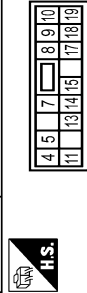
INTERIOR ROOM LAMP

Connector No.	MT18
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	M03FB-LC



Terminal No.	Color	Wire	Signal Name [Specification]
1	Y	LG	BAT (E/L)
2	Y	LG	POWER WINDOW POWER SUPPLY (BAT)
3	BG	P	POWER WINDOW POWER SUPPLY (BAT)

Connector No.	MT19
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	NS16FW-CS



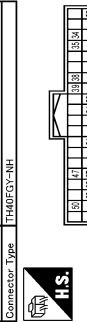
Terminal No.	Color	Wire	Signal Name [Specification]
4	LG	P	INTERIOR ROOM LAMP POWER SUPPLY
5	P	SB	PASSENGER DOOR UNLOCK OUTPUT
7	SB	V	STEP LAMP CONT
8	V	B	ALL DOOR FUEL LID LOCK OUTPUT
9	G	W	DRIVER DOOR FUEL LID UNLOCK OUTPUT
10	P	W	REAR DOOR UNLOCK OUTPUT
11	R	BG	BAT (FUSE)
13	B	R	GROUND
14	W	R	PUSH-BUTTON IGNITION SW ILL GND
15	BG	R	TRUNK LID OPENER SW (FRONT)
17	BG	R	TURN SIGNAL RH (FRONT)
18	BG	R	TURN SIGNAL LH (FRONT)
19	V	R	INT ROOM LAMP CONT

Connector No.	MT20
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	NS12FW-CS



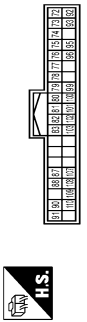
Terminal No.	Color	Wire	Signal Name [Specification]
20	W	LG	TURN SIGNAL RH (REAR)
21	W	LG	TURN SIGNAL LH (REAR)
25	Y	P	TURN SIGNAL LH (REAR)
30	P	P	TRUNK ROOM LAMP CONT

Connector No.	MT21
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FG-NH



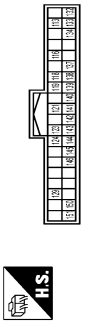
Terminal No.	Color	Wire	Signal Name [Specification]
34	SB	V	TRUNK ROOM ANT-
35	V	B	TRUNK ROOM ANT-
38	B	W	REAR BUMPER ANT-
39	W	W	REAR BUMPER ANT-
47	Y	P	IGN RELAY (F/B) CONT
50	BG	R	TRUNK ROOM LAMP SW
52	R	R	STARTER RELAY CONT
60	BR	R	PUSH SW
61	BR	R	TRUNK LID OPENER SW (FRONT)
64	SB	R	FRESH AIR FILLER (SG ROOM)
67	GR	R	TRUNK LID OPENER SW
68	BG	R	REAR RH DOOR SW
69	L	R	REAR LH DOOR SW

Connector No.	MT22
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40PE-NH



Terminal No.	Color	Wire	Signal Name [Specification]
72	R	GR	ROOM ANT 2
73	G	GR	ROOM ANT 2+
74	SB	BR	PASSENGER DOOR ANT-
75	BR	BR	PASSENGER DOOR ANT+
76	V	BR	DRIVER DOOR ANT-
77	LG	GR	DRIVER DOOR ANT+
78	Y	GR	ROOM ANT 1-
79	BR	GR	ROOM ANT 1+
80	GR	GR	NATS ANT AMP
81	W	GR	NATS ANT AMP
82	SB	BR	IGN RELAY (F/B) CONT
83	Y	BR	KEYLESS ENTRY RECEIVER COMM
87	Y	BR	COMBI SW INPUT 3
88	BG	BR	COMBI SW INPUT 5
89	P	BR	ANT-L
90	P	BR	ANT-R
92	LG	GR	KEY SLOT ILL CONT
93	GR	GR	ON IND
95	BG	GR	ACC RELAY CONT
96	GR	GR	A/T SHIFT SELECTOR POWER SUPPLY
99	R	GR	SHIFT P
100	Y	P	PASSENGER DOOR REQUEST SW
101	P	P	DRIVER DOOR REQUEST SW
102	BG	P	BLOWER FAN MOTOR RELAY CONT
103	P	P	KEYLESS ENTRY RECEIVER POWER SUPPLY
107	LG	GR	COMBI SW INPUT 1
108	R	GR	COMBI SW INPUT 4
109	W	GR	COMBI SW INPUT 2
110	G	GR	PAZCARD SW

Connector No.	MT23
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FG-NH



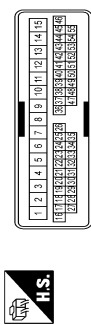
Terminal No.	Color	Wire	Signal Name [Specification]
113	BG	SB	OPTICAL SENSOR
118	BR	SB	STOP LAMP SW 1
119	BR	SB	STOP LAMP SW 2
121	SB	SB	DR DOOR UNLOCK SENSOR
122	SB	SB	KEY SLOT SW
123	V	SB	IGN F/B
124	R	SB	PASSENGER DOOR SW
129	BG	SB	TRUNK LID OPENER CANCEL SW
132	V	SB	POWER WINDOW SW COMM
133	L	SB	PUSH-BUTTON IGNITION SW ILL POWER
134	LG	SB	LOCK IND
137	BG	SB	RECEIVER / SENSOR GND
138	V	SB	RECEIVER / SENSOR POWER SUPPLY
139	G	SB	THE PRESSURE RECEIVER COMM
140	G	SB	SECURITY LAMP CONT
142	BR	SB	COMBI SW OUTPUT 5
143	P	SB	COMBI SW OUTPUT 1
144	G	SB	COMBI SW OUTPUT 2
145	L	SB	COMBI SW OUTPUT 3
146	SB	SB	COMBI SW OUTPUT 4
150	GR	SB	DRIVER DOOR SW
151	G	SB	REAR WINDOW DEFROGGER RELAY CONT

INTERIOR ROOM LAMP CONTROL SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

INTERIOR ROOM LAMP

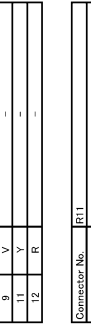
Connector No.	M124
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-CS15



Connector No.	R1
Connector Name	WIRE TO WIRE
Connector Type	RH10FW-CS10



5	G	-
6	B	-
7	B	-
8	GR	-
9	Y	-
11	Y	-
12	R	-



Connector No.	R12
Connector Name	VANITY MIRROR LAMP LH
Connector Type	MCA02FW



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

Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
2	SHIELD	-
3	GR	-
4	Y	-
5	BR	-
6	R	-
7	G	-
8	BR	-
9	R	-
10	V	-
11	B	-
12	B	-
13	Y	-
14	R	-
15	R	-
16	G	-
17	SHIELD	-
18	B	-

Connector No.	R11
Connector Name	WIRE TO WIRE
Connector Type	TH12MW-NH

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

Connector No.	R13
Connector Name	VANITY MIRROR LAMP RH
Connector Type	MCA02FW



Connector No.	B2
Connector Name	WIRE TO WIRE
Connector Type	TH12FW-NH

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

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

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
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INTERIOR ROOM LAMP CONTROL SYSTEM

< DTC/CIRCUIT DIAGNOSIS >



INTERIOR ROOM LAMP

Connector No.	RI4
Connector Name	PERSONAL LAMP
Connector Type	TRM4FW-4H

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

Connector No.	RI5
Connector Name	MAP LAMP
Connector Type	TR08FGY

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

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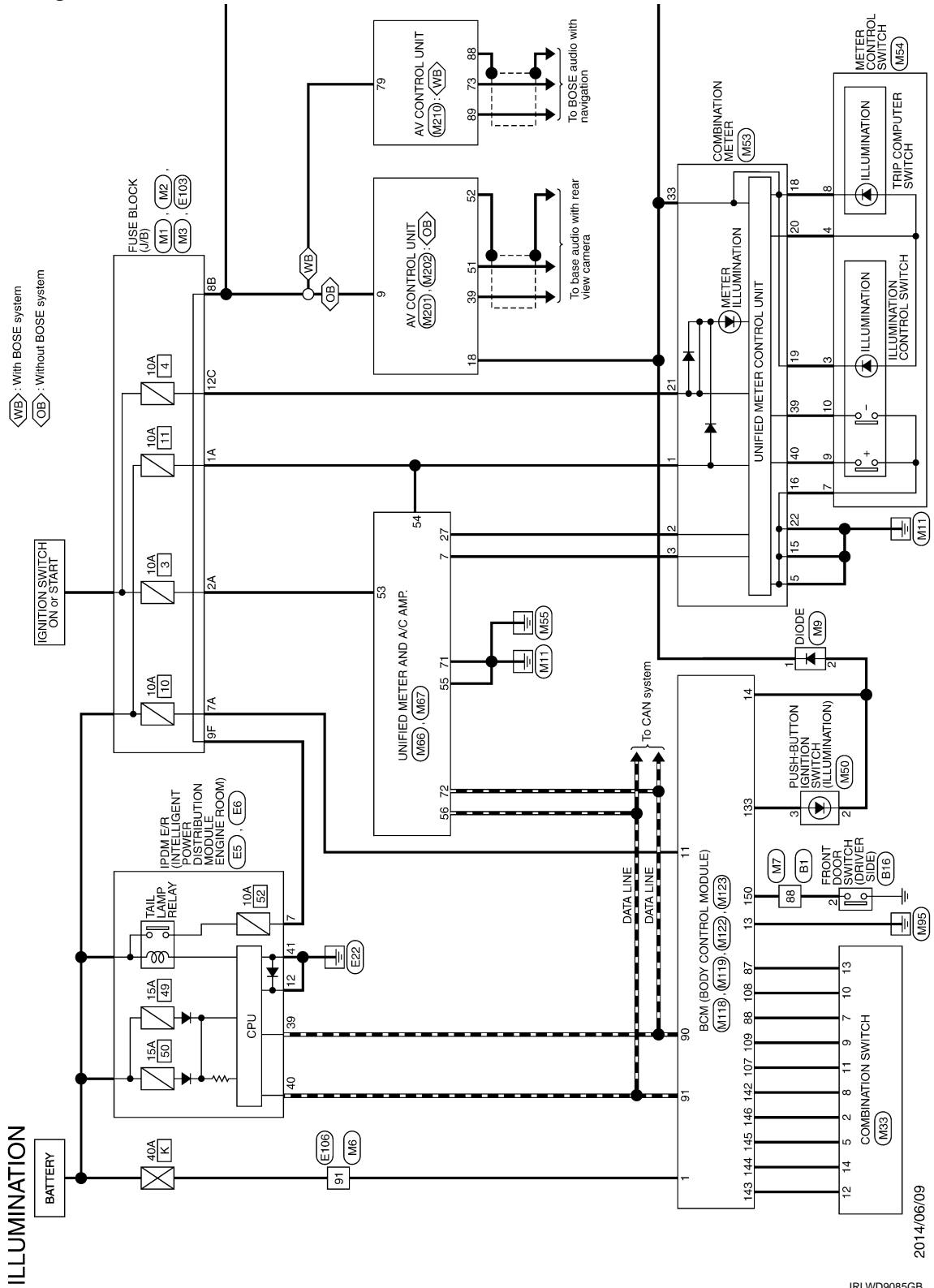
ILLUMINATION

< DTC/CIRCUIT DIAGNOSIS >

ILLUMINATION

Wiring Diagram - ILLUMINATION -

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2014/06/09

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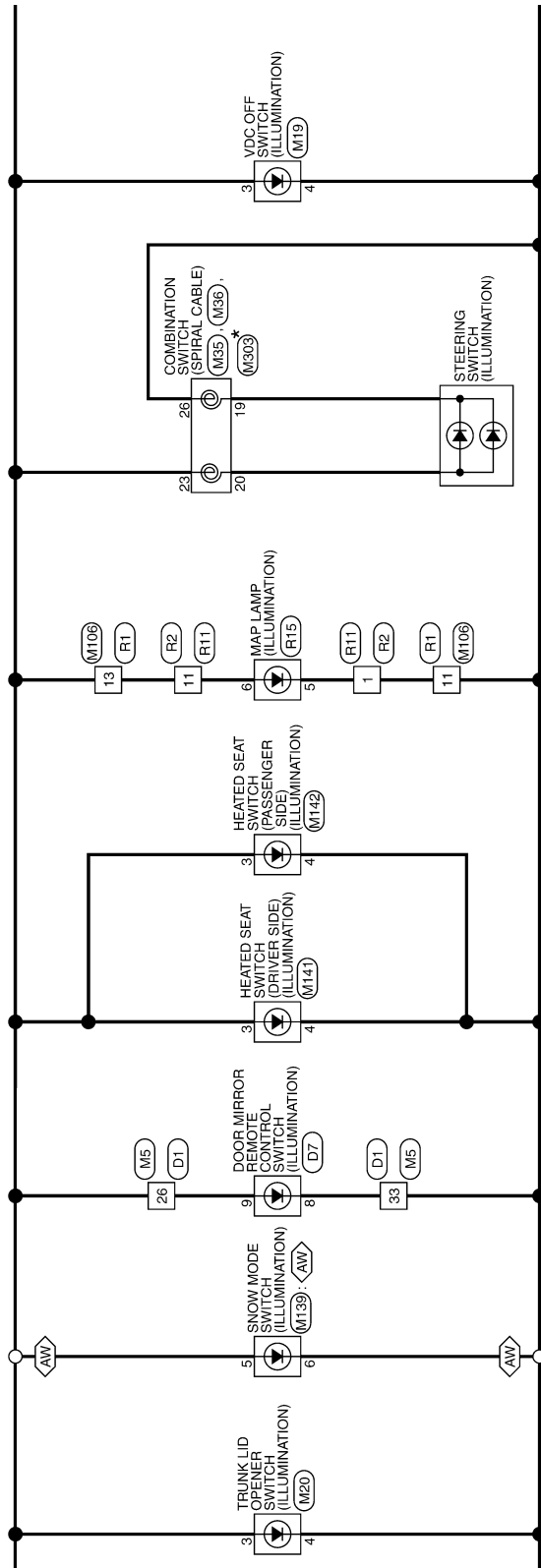
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ILLUMINATION

< DTC/CIRCUIT DIAGNOSIS >

AW: AWD models

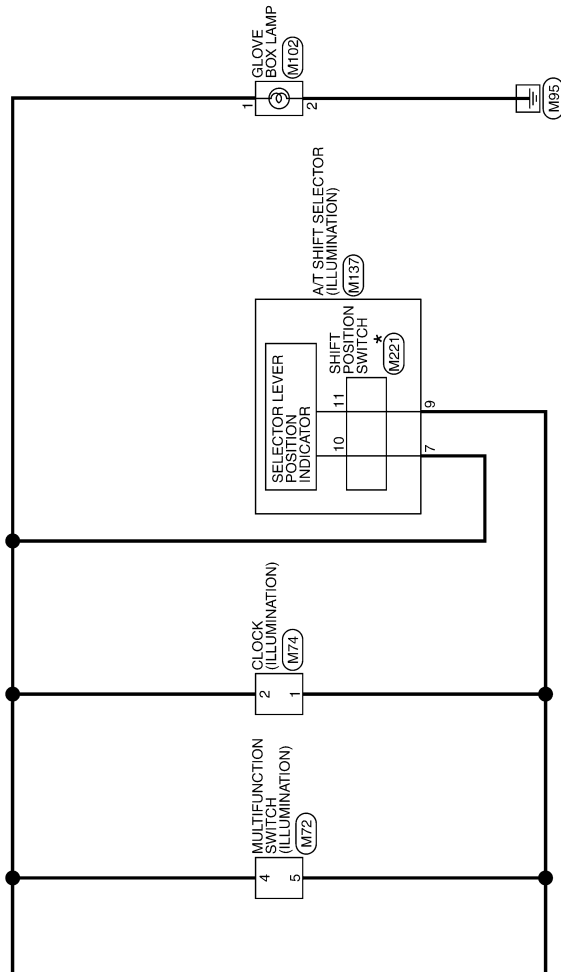


JRLWD9086GB

ILLUMINATION

< DTC/CIRCUIT DIAGNOSIS >

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



JRLWD9087GB

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ILLUMINATION

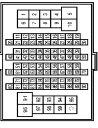
< DTC/CIRCUIT DIAGNOSIS >

ILLUMINATION

Connector No. B1

Connector Name WIRE TO WIRE

Connector Type TH80FW-CS16-TM4




H.S.

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

Connector No. B6

Connector Name FRONT DOOR SWITCH (DRIVER SIDE)

Connector Type AG8FW




H.S.

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

Connector No. B7

Connector Name DOOR MIRROR REMOTE CONTROL SWITCH

Connector Type TK18FW




H.S.

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

Connector No. B8

Connector Name WIRE TO WIRE

Connector Type TH40FW-CS15




H.S.

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

Connector No. E5

Connector Name FROM E-INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM

Connector Type TH20FW-CS12-AM-1V




H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	-
2	BG	-
3	L	-
4	Y	-
5	W	-
6	R	-
7	LG	-
8	V	-
9	SB	-
10	G	-
11	BR	-
12	Y	-

Connector No. E6

Connector Name FROM E-INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM

Connector Type TH80FW-NH



H.S.

Terminal No.	Color Of Wire	Signal Name [Specification]
39	P	-
40	L	-
41	B/W	-

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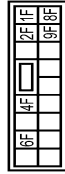
ILLUMINATION

< DTC/CIRCUIT DIAGNOSIS >

ILLUMINATION

42	GR	-	-	R
43	G	-	-	GR
44	V	-	-	W
45	V	-	-	W
46	SB	-	-	SB

Connector No.	E103
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS18FW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
1F	SB	-
2F	W	-
4F	G	-
6F	BR	-
8F	L	-
9F	P	-

Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4



Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	-
2	BR	-
3	CG	-
6	Y	-
7	V	-
9	R	-
11	V	-

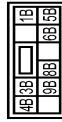
12	R	-	-	R
13	GR	-	-	GR
14	GR	-	-	GR
15	P	-	-	P
16	W	-	-	W
17	SB	-	-	SB
18	BG	-	-	BG
20	LG	-	-	LG
31	L	-	-	L
32	BG	-	-	BG
38	SB	-	-	SB
37	Y	-	-	Y
39	R	-	-	R
39	B	-	-	B
41	R	-	-	R
42	G	-	-	G
43	CG	-	-	CG
44	GR	-	-	GR
45	BR	-	-	BR
46	LG	-	-	LG
47	V	-	-	V
48	P	-	-	P
49	L	-	-	L
05	GR	-	-	GR
67	LG	-	-	LG
80	R	-	-	R
81	P	-	-	P
82	G	-	-	G
83	V	-	-	V
84	W	-	-	W
85	V	-	-	V
89	W	-	-	W
91	W	-	-	W
93	GR	-	-	GR
95	LG	-	-	LG
97	SB	-	-	SB
98	SHIELD	-	-	SHIELD
99	L	-	-	L
100	P	-	-	P

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



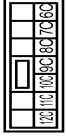
Terminal No.	Color Of Wire	Signal Name [Specification]
1A	V	-
2A	G	-
3A	L	-
4A	P	-
5A	L	-
6A	Y	-
7A	R	-
8A	L	-

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



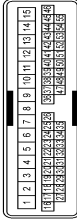
Terminal No.	Color Of Wire	Signal Name [Specification]
1B	SB	-
3B	P	-
4B	G	-
5B	EG	-
6B	Y	-
8B	SB	-

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



Terminal No.	Color Of Wire	Signal Name [Specification]
10C	L	-
11C	G	-
12C	G	-
8C	SB	-
7C	B	-
8C	W	-
9C	BG	-

Connector No.	M5
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-CS15



Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	B	-
3	BG	-
4	V	-
8	SB	-
9	G	-
13	L	-
14	B	-
15	W	-
25	Y	-
26	G	-

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ILLUMINATION

< DTC/CIRCUIT DIAGNOSIS >

ILLUMINATION

43	B	--	--	--
44	L	--	--	--
45	L	--	--	--
46	L	--	--	--
47	L	--	--	--
48	GR	--	--	--
49	SB	--	--	--
50	P	--	--	--
51	LG	--	--	--
52	V	--	--	--
53	BR	--	--	--
54	Y	--	--	--
55	SHIELD	--	--	--

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-C516-TM4



Terminal No.	Color Of Wire	Signal Name [Specification]
3	BR	--
4	LG	--
5	R	--
6	LG	--
7	W	--
9	G	--
11	V	--
12	R	--
13	L	--
14	GR	--
15	P	--
16	W	--
17	BR	--
18	P	--
20	L	--
32	Y	--
36	R	--
37	Y	--
38	R	--
39	SB	--

41	V	--	--	--
42	LG	--	--	--
43	P	--	--	--
44	B	--	--	--
45	BG	--	--	--
46	G	--	--	--
47	L	--	--	--
48	P	--	--	--
49	L	--	--	--
66	Y	--	--	--
67	G	--	--	--
80	SB	--	--	--
81	B	--	--	--
82	V	--	--	--
83	V	--	--	--
85	GR	--	--	--
86	LG	--	--	--
91	W	--	--	--
93	Y	--	--	--
95	Y	--	--	--
97	GR	--	--	--
98	SHIELD	--	--	--
99	V	--	--	--
100	SB	--	--	--

Connector No.	M7
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-C516-TM4



Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	--
2	P	--
4	Y	--
6	L	--
8	G	--
9	Y	--
24	V	--
25	LG	--

26	BR	--	--	--
29	BR	--	--	--
30	LG	--	--	--
31	V	--	--	--
32	LG	--	--	--
33	SHIELD	--	--	--
34	GR	--	--	--
35	BR	--	--	--
36	Y	--	--	--
37	SHIELD	--	--	--
38	SB	--	--	--
39	LG	--	--	--
40	O	--	--	--
41	W	--	--	--
42	SHIELD	--	--	--
44	G	--	--	--
45	SHIELD	--	--	--
46	SB	--	--	--
55	W	--	--	--
56	B	--	--	--
58	V	--	--	--
59	Y	--	--	--
71	V	--	--	--
72	P	--	--	--
73	SB	--	--	--
74	V	--	--	--
81	W	--	--	--
82	BR	--	--	--
85	EG	--	--	--
86	SB	--	--	--
87	G	--	--	--
88	GR	--	--	--
89	L	--	--	--
90	P	--	--	--
92	L	--	--	--
93	P	--	--	--
95	BG	--	--	--

Connector No.	M9
Connector Name	DIODE
Connector Type	24135-CA900



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

Connector No.	M19
Connector Name	VDC OFF SWITCH
Connector Type	TR08FCY



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

ILLUMINATION

< DTC/CIRCUIT DIAGNOSIS >

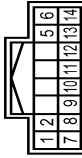
ILLUMINATION

Connector No.	M20
Connector Name	TRUNK LID OPENER SWITCH
Connector Type	TK04FW



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

Connector No.	M33
Connector Name	COMBINATION SWITCH
Connector Type	TH16FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	FR WASHER (-)
2	SB	OUTPUT 4
5	L	OUTPUT 3
6	B	GROUND
7	BG	INPUT 3
8	BR	OUTPUT 5
9	W	INPUT 2
10	R	INPUT 4
11	LG	OUTPUT 1
12	Y	OUTPUT 5
13	Y	OUTPUT 1
14	G	OUTPUT 2

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



Terminal No.	Color Of Wire	Signal Name [Specification]
28	R	-
29	Y	-
30	Y	-

Connector No.	M36
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TK08FY-TV



Terminal No.	Color Of Wire	Signal Name [Specification]
24	P	-
25	SB	-
26	B	-
31	L	-
32	Y	-
33	B	-
34	LG	-

Connector No.	M50
Connector Name	PUSH-BUTTON IGNITION SWITCH
Connector Type	TK08FER



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

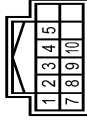
Connector No.	M53
Connector Name	COMBINATION METER
Connector Type	SAB40FW



Terminal No.	Color Of Wire	Signal Name [Specification]
1	V	BATTERY POWER SUPPLY
2	LG	COMMUNICATION SIGNAL (METER-AMP.)
3	GR	COMMUNICATION SIGNAL (AMP-METER)
5	B	GROUND
6	W	ALTERNATOR SIGNAL
7	LG	COMMUNICATION SIGNAL
10	V	SECURITY SIGNAL
15	B	GROUND
16	BR	METER CONTROL SWITCH GROUND
18	GR	ILL GND
19	B	ILL GND
20	R	ILL

Terminal No.	Color Of Wire	Signal Name [Specification]
21	G	IGNITION SIGNAL
22	G	GROUND
23	BR	COMMUNICATION SIGNAL (LCS-AMP.)
24	Y	COMMUNICATION SIGNAL (AMP-CD)
25	R	VEHICLE SPEED SIGNAL (R-FULL SE)
27	P	PARKING BRAKE SWITCH SIGNAL
28	SB	BRAKE FLUID LEVEL SWITCH
29	P	SEAT BELT BUCKLE SW SIGNAL (DRIVER SIDE)
30	G	SEAT BELT BUCKLE SWITCH SIGNAL (PASSENGER SIDE)
31	L	WASHER LEVEL SWITCH SIGNAL
33	R	ILLUMINATION CONTROL SIGNAL
36	LG	SELECT SWITCH SIGNAL
37	Y	ENTER SWITCH SIGNAL
38	G	TRIP A/B RESET SWITCH SIGNAL
39	P	ILLUMINATION CONTROL SWITCH SIGNAL (-)
40	BG	ILLUMINATION CONTROL SWITCH SIGNAL (+)

Connector No.	M54
Connector Name	METER CONTROL SWITCH
Connector Type	TH1ZFV-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	LG	-
3	B	-
4	R	-
5	G	-
7	BR	-
8	GR	-
9	BG	-
10	P	-

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ILLUMINATION

Connector No. M106
 Connector Name WIRE TO WIRE
 Connector Type NH10MK-CS10

Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	—
2	LG	—
3	LG	—
4	LG	—
5	BR	—
6	BG	—
7	Y	—
8	P	—
9	LG	—
10	V	—
11	B	—
12	B	—
13	R	—
14	R	—
15	R	—
16	G	—
17	SHIELD	—
18	B	—

Connector No. M102
 Connector Name GLOVE BOX LAMP
 Connector Type A02FW

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

Connector No. M118
 Connector Name BCM (BODY) CONTROL MODULE
 Connector Type M03FB-LC

Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	BAT (F/L)
2	Y	POWER WINDOW POWER SUPPLY (BAT)
3	BG	POWER WINDOW POWER SUPPLY (R&P)

Connector No. M74
 Connector Name LOCK
 Connector Type TH4FW-NH

Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	ILLUMINATION (L)
2	B	ILLUMINATION (R)
3	B	GROUND
4	Y	BAT

Connector No. M102
 Connector Name MULTIFUNCTION SWITCH
 Connector Type TH16FW-NH

Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	GROUND
2	P	ACC
3	BG	ILL
4	B	ILL CONT
5	B	AV COMM (H)
6	SB	AV COMM (L)
7	LG	AV COMM (L)
8	LG	SW GND
9	BR	DISK EJECT SIGNAL
10	V	HAZARD ON

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

Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	GROUND
2	P	ACC
3	BG	ILL
4	B	ILL CONT
5	B	AV COMM (H)
6	SB	AV COMM (L)
7	LG	AV COMM (L)
8	LG	SW GND
9	BR	DISK EJECT SIGNAL
10	V	HAZARD ON

Connector No. M67
 Connector Name UNIFIED METER AND A.C. AMP.
 Connector Type TH32FW-NH

Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	ACC POWER SUPPLY
2	L	ACC POWER SUPPLY
3	BR	FUEL LEVEL SENSOR SIGNAL
4	BR	INTAKE SENSOR SIGNAL
5	LG	IN-VEHICLE SENSOR SIGNAL
6	V	AMBIENT SENSOR SIGNAL

Connector No. M65
 Connector Name UNIFIED METER AND A.C. AMP.
 Connector Type TH40FW-NH

Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	SUNLOAD SENSOR SIGNAL
2	W	IGNITION POWER SUPPLY
3	SB	BATTERY POWER SUPPLY
4	B	GROUND
5	L	IGN-H
6	LG	BRAKE FLUID LEVEL SWITCH
7	Y	FUEL LEVEL SENSOR GROUND
8	GR	INTAKE SENSOR GROUND
9	W	IN-VEHICLE SENSOR GROUND
10	B	AMBIENT SENSOR GROUND
11	SB	SUNLOAD SENSOR GROUND
12	BG	ECV SIGNAL
13	P	A.C. LAMP SIGNAL
14	R	EACH DOOR MOTOR POWER SUPPLY
15	GR	GROUND
16	P	CAV-E

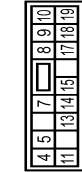
Connector No. M67
 Connector Name UNIFIED METER AND A.C. AMP.
 Connector Type TH32FW-NH

Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	ACC POWER SUPPLY
2	L	ACC POWER SUPPLY
3	BR	FUEL LEVEL SENSOR SIGNAL
4	BR	INTAKE SENSOR SIGNAL
5	LG	IN-VEHICLE SENSOR SIGNAL
6	V	AMBIENT SENSOR SIGNAL

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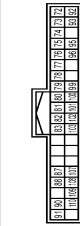
ILLUMINATION

Connector No.	M119
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	MS16PFC-S



Terminal No.	Color	Wire	Signal Name [Specification]
4	LG		INTERIOR ROOM LAMP POWER SUPPLY
5	BR		PASSENGER DOOR LOCK OUTPUT
7	GR		DRIVER DOOR LOCK OUTPUT
8	V		ALL DOOR FUEL LID LOCK OUTPUT
9	GR		DRIVER DOOR FUEL LID LOCK OUTPUT
10	P		REAR DOOR UNLOCK OUTPUT
11	R		BAT (FUSE)
13	B		GROUND
14	W		PUSH-BUTTON IGNITION SW ILL GND
15	BR		ACC IND
17	W		TURN SIGNAL RH (FRONT)
18	BR		TURN SIGNAL LH (FRONT)
19	V		INT ROOM LAMP CONT

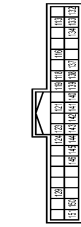
Connector No.	M122
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FB-NH



Terminal No.	Color	Wire	Signal Name [Specification]
1	LG		ROOM ANT 1+
2	R		ROOM ANT 2+
3	GR		ROOM ANT 1-
4	SB		PASSENGER DOOR ANT-
5	BR		PASSENGER DOOR ANT+
6	V		DRIVER DOOR ANT-
7	LG		DRIVER DOOR ANT+
8	Y		ROOM ANT 1-

79	BR		ROOM ANT 1+
80	GR		ROOM ANT 2+
81	GR		ROOM ANT 1-
82	SB		IGN RELAY 1/2 (R) CONT
83	Y		KEYLESS ENTRY RECEIVER COMM
87	Y		COMBI SW INPUT 5
88	BR		COMBI SW INPUT 3
90	P		CAN-L
91	L		CAN-H
92	LG		KEY SLOT ILL CONT
93	GR		ON IND
95	BR		ACC RELAY CONT
96	GR		A/T SHIFT SELECTOR POWER SUPPLY
99	R		SHIFT P
100	Y		PASSENGER DOOR REQUEST SW
101	Y		DRIVER DOOR REQUEST SW
102	BR		BLUETOOTH PHONE REQUEST CONT
103	P		KEYLESS ENTRY RECEIVER POWER SUPPLY
107	LG		COMBI SW INPUT 1
108	R		COMBI SW INPUT 4
109	W		COMBI SW INPUT 2
110	G		HAZARD SW

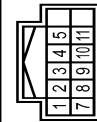
Connector No.	M123
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH8BFG-NH



Terminal No.	Color	Wire	Signal Name [Specification]
113	BR		OPTICAL SENSOR
116	SB		STOP LAMP SW 1
118	BR		STOP LAMP SW 2
119	SB		DR DOOR UNLOCK SENSOR
121	SB		KEY SLOT SW
122	R		PASSENGER DOOR SW
123	R		PASSENGER DOOR SW
124	BR		TRUNK LID OPERATOR CANCEL SW
132	V		POWER WINDOW SW COMM
133	L		PUSH-BUTTON IGNITION SW ILL POWER
134	LG		LOCK IND
137	BR		RECEIVER / SENSOR GND

138	V		RECEIVER / SENSOR POWER SUPPLY
139	L		TIRE PRESSURE SENSOR RECEIVER COMM
140	B		SECURITY IND LAMP CONT
141	W		SECURITY IND LAMP CONT
142	BR		COMBI SW OUTPUT 5
143	P		COMBI SW OUTPUT 1
144	G		COMBI SW OUTPUT 2
145	L		COMBI SW OUTPUT 3
146	SB		COMBI SW OUTPUT 4
150	GR		DRIVER DOOR SW
151	G		REAR WINDOW DEFOGGER RELAY CONT

Connector No.	M137
Connector Name	A/T SHIFT SELECTOR
Connector Type	TH12FP-NH



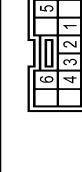
Terminal No.	Color	Wire	Signal Name [Specification]
1	W		
2	V		
3	L		
4	B		
5	G		
6	Y		
7	Y		
8	LG		
9	B		
10	GR		
11	R		

Connector No.	M139
Connector Name	SHOW MODE SWITCH
Connector Type	TK10FPW



Terminal No.	Color	Wire	Signal Name [Specification]
1	R		
2	GR		
3	BR		
4	P		
5	P		
6	B		

Connector No.	M141
Connector Name	HEATED SEAT SWITCH (DRIVER SIDE)
Connector Type	TK10FPW



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

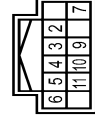
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A B C D E F G H I J K M N O P

INL

ILLUMINATION

Connector No.	M221
Connector Name	SHIFT POSITION SWITCH
Connector Type	TH12FW



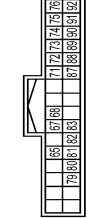
Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	—
2	BR	N
3	Y	R
4	B	P
5	BG	M
6	B	O
7	B	AT
10	L	MT
11	L	ILL
		GROUND

Connector No.	M203
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TR08FSY



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

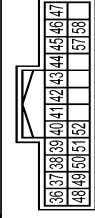
Connector No.	M210
Connector Name	AV CONTROL UNIT
Connector Type	TH32FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
59	SB	PARKING BRAKE
60	P	COMPOSITE IMAGE GND
68	L	COMPOSITE IMAGE SIGNAL
71	SHIELD	MICROPHONE GND
72	G	MICROPHONE VCG
73	P	COMM (CONT-DISP)
74	P	CAN-L
75	LG	AV COMM (L)
76	LG	ILLUMINATION
79	L	IGNITION
80	G	REVERSE
81	BG	VEHICLE SPEED (P-PULSE)
82	R	SHIELD
83	SHIELD	MICROPHONE SIGNAL
84	SHIELD	COMPOSITE IMAGE
89	L	COMM (DISP-CONT)
90	L	CAN-H
91	SB	AV COMM (H)
92	SB	AV COMM (H)

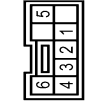
19	Y	BATTERY
20	B	GROUND

Connector No.	M202
Connector Name	AV CONTROL UNIT
Connector Type	TH24FW-NH



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

Connector No.	M142
Connector Name	HEATED SEAT SWITCH (PASSENGER SIDE)
Connector Type	TK08FBR



Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	—
2	SB	—
3	Y	—
4	B	—
5	BG	—
6	B	—

Connector No.	M201
Connector Name	AV CONTROL UNIT
Connector Type	TH18FW-CS2



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



ILLUMINATION

< DTC/CIRCUIT DIAGNOSIS >

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P

ILLUMINATION



Connector No.	R15
Connector Name	MAP_LAMP
Connector Type	TROBECY

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

5	G	-
9	B	-
8	GR	-
9	Y	-
11	Y	-
12	R	-


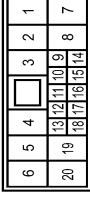
Connector No. R11
Connector Name WIRE TO WIRE
Connector Type TH12MW-NH

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


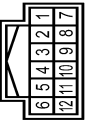
ILLUMINATION

Connector No.	R1
Connector Name	WIRE TO WIRE
Connector Type	TH10FW-CS10

Terminal No.	Color Of Wire	Signal Name [Specification]
2	SHIELD	-
3	SHIELD	-
4	GR	-
5	BR	-
6	Y	-
7	GR	-
8	BR	-
9	R	-
10	V	-
11	B	-
12	B	-
13	Y	-
14	R	-
15	R	-
16	G	-
17	SHIELD	-
18	B	-

Connector No.	R2
Connector Name	WIRE TO WIRE
Connector Type	TH13FW-NH

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

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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

ECU DIAGNOSIS INFORMATION

BCM (BODY CONTROL MODULE)

Reference Value

INFOID:0000000011405834

VALUES ON THE DIAGNOSIS TOOL

NOTE:

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

CONSULT MONITOR ITEM

Monitor Item	Condition	Value/Status
FR WIPER HI	Other than front wiper switch HI	Off
	Front wiper switch HI	On
FR WIPER LOW	Other than front wiper switch LO	Off
	Front wiper switch LO	On
FR WASHER SW	Front washer switch OFF	Off
	Front washer switch ON	On
FR WIPER INT	Other than front wiper switch INT/AUTO	Off
	Front wiper switch INT/AUTO	On
FR WIPER STOP	Front wiper is not in STOP position	Off
	Front wiper is in STOP position	On
INT VOLUME	Wiper volume dial is in a dial position 1 - 7	Wiper volume dial position
TURN SIGNAL R	Other than turn signal switch RH	Off
	Turn signal switch RH	On
TURN SIGNAL L	Other than turn signal switch LH	Off
	Turn signal switch LH	On
TAIL LAMP SW	Other than lighting switch 1ST and 2ND	Off
	Lighting switch 1ST or 2ND	On
HI BEAM SW	Other than lighting switch HI	Off
	Lighting switch HI	On
HEAD LAMP SW 1	Other than lighting switch 2ND	Off
	Lighting switch 2ND	On
HEAD LAMP SW 2	Other than lighting switch 2ND	Off
	Lighting switch 2ND	On
PASSING SW	Other than lighting switch PASS	Off
	Lighting switch PASS	On
AUTO LIGHT SW	Other than lighting switch AUTO	Off
	Lighting switch AUTO	On
FR FOG SW	Front fog lamp switch OFF	Off
	Front fog lamp switch ON	On
RR FOG SW	NOTE: The item is indicated, but not monitored.	Off
DOOR SW-DR	Driver door closed	Off
	Driver door opened	On
DOOR SW-AS	Passenger door closed	Off
	Passenger door opened	On

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Monitor Item	Condition	Value/Status	
DOOR SW-RR	Rear RH door closed	Off	A
	Rear LH door opened	On	
DOOR SW-RL	Rear LH door closed	Off	B
	Rear LH door opened	On	
DOOR SW-BK	NOTE: The item is indicated, but not monitored.	Off	C
CDL LOCK SW	Other than power door lock switch LOCK	Off	
	Power door lock switch LOCK	On	D
CDL UNLOCK SW	Other than power door lock switch UNLOCK	Off	
	Power door lock switch UNLOCK	On	D
KEY CYL LK-SW	Other than driver door key cylinder LOCK	Off	E
	Driver door key cylinder LOCK	On	
KEY CYL UN-SW	Other than driver door key cylinder UNLOCK	Off	F
	Driver door key cylinder LOCK	On	F
KEY CYL SW-TR	NOTE: The item is indicated, but not monitored.	Off	
HAZARD SW	Hazard switch is OFF	Off	G
	Hazard switch is ON	On	
REAR DEF SW	NOTE: The item is indicated, but not monitored.	Off	H
TR CANCEL SW	Trunk lid opener cancel switch OFF	Off	
	Trunk lid opener cancel switch ON	On	I
TR/BD OPEN SW	Trunk lid opener switch OFF	Off	
	While the trunk lid opener switch is turned ON	On	J
TRNK/HAT MNTR	Trunk lid closed	Off	
	Trunk lid opened	On	J
REVERSE SW	NOTE: The item is indicated, but not monitored.	Off	K
RKE-LOCK	LOCK button of the Intelligent Key is not pressed	Off	
	LOCK button of the Intelligent Key is pressed	On	INL
RKE-UNLOCK	UNLOCK button of the Intelligent Key is not pressed	Off	
	UNLOCK button of the Intelligent Key is pressed	On	
RKE-TR/BD	TRUNK OPEN button of the Intelligent Key is not pressed	Off	M
	TRUNK OPEN button of the Intelligent Key is pressed	On	
RKE-PANIC	PANIC button of the Intelligent Key is not pressed	Off	N
	PANIC button of the Intelligent Key is pressed	On	
RKE-P/W OPEN	UNLOCK button of the Intelligent Key is not pressed	Off	O
	UNLOCK button of the Intelligent Key is pressed and held	On	
RKE-MODE CHG	LOCK/UNLOCK button of the Intelligent Key is not pressed and held simultaneously	Off	P
	LOCK/UNLOCK button of the Intelligent Key is pressed and held simultaneously	On	
OPTICAL SENSOR	Bright outside of the vehicle	Close to 5 V	
	Dark outside of the vehicle	Close to 0 V	
REQ SW -DR	Driver door request switch is not pressed	Off	
	Driver door request switch is pressed	On	

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Monitor Item	Condition	Value/Status
REQ SW -AS	Passenger door request switch is not pressed	Off
	Passenger door request switch is pressed	On
REQ SW -RR	NOTE: The item is indicated, but not monitored.	Off
REQ SW -RL	NOTE: The item is indicated, but not monitored.	Off
REQ SW -BD/TR	Trunk lid opener request switch is not pressed	Off
	Trunk lid opener request switch is pressed	On
PUSH SW	Push-button ignition switch (push switch) is not pressed	Off
	Push-button ignition switch (push switch) is pressed	On
IGN RLY2 -F/B	NOTE: The item is indicated, but not monitored.	Off
ACC RLY -F/B	NOTE: The item is indicated, but not monitored.	Off
CLUCH SW	NOTE: The item is indicated, but not monitored.	Off
BRAKE SW 1	The brake pedal is depressed when No. 7 fuse is blown	Off
	The brake pedal is not depressed when No. 7 fuse is blown, or No. 7 fuse is normal	On
BRAKE SW 2	The brake pedal is not depressed	Off
	The brake pedal is depressed	On
DETE/CANCL SW	Selector lever in P position	Off
	Selector lever in any position other than P	On
SFT PN/N SW	Selector lever in any position other than P and N	Off
	Selector lever in P or N position	On
S/L -LOCK	NOTE: The item is indicated, but not monitored.	Off
S/L -UNLOCK	NOTE: The item is indicated, but not monitored.	Off
S/L RELAY-F/B	NOTE: The item is indicated, but not monitored.	Off
UNLK SEN -DR	Driver door is unlocked	Off
	Driver door is locked	On
PUSH SW -IPDM	Push-button ignition switch (push-switch) is not pressed	Off
	Push-button ignition switch (push-switch) is pressed	On
IGN RLY1 -F/B	Ignition switch in OFF or ACC position	Off
	Ignition switch in ON position	On
DETE SW -IPDM	Selector lever in any position other than P	Off
	Selector lever in P position	On
SFT PN -IPDM	Selector lever in any position other than P and N	Off
	Selector lever in P or N position	On
SFT P -MET	Selector lever in any position other than P	Off
	Selector lever in P position	On
SFT N -MET	Selector lever in any position other than N	Off
	Selector lever in N position	On

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Monitor Item	Condition	Value/Status	
ENGINE STATE	Engine stopped	Stop	A
	While the engine stalls	Stall	
	At engine cranking	Crank	B
	Engine running	Run	
S/L LOCK-IPDM	NOTE: The item is indicated, but not monitored.	Off	C
S/L UNLK-IPDM	NOTE: The item is indicated, but not monitored.	Off	
S/L RELAY-REQ	NOTE: The item is indicated, but not monitored.	Off	D
VEH SPEED 1	While driving	Equivalent to speedometer reading	E
VEH SPEED 2	While driving	Equivalent to speedometer reading	
DOOR STAT-DR	Driver door is locked	LOCK	F
	Wait with selective UNLOCK operation (60 seconds)	READY	
	Driver door is unlocked	UNLOCK	G
DOOR STAT-AS	Passenger door is locked	LOCK	
	Wait with selective UNLOCK operation (60 seconds)	READY	H
	Passenger door is unlocked	UNLOCK	
ID OK FLAG	Driver side door is open after ignition switch is turned OFF (Shift position is in the P position)	Reset	I
	Ignition switch ON	Set	
PRMT ENG STRT	The engine start is prohibited	Reset	J
	The engine start is permitted	Set	
PRMT RKE STRT	NOTE: The item is indicated, but not monitored.	Reset	K
KEY SW -SLOT	The Intelligent Key is not inserted into key slot	Off	
	The Intelligent Key is inserted into key slot	On	
RKE OPE COUN1	During the operation of the Intelligent Key	Operation frequency of the Intelligent Key	INL
RKE OPE COUN2	NOTE: The item is indicated, but not monitored.	—	
CONFIRM ID ALL	The key ID that the key slot receives is not recognized by any key ID registered to BCM.	Yet	M
	The key ID that the key slot receives is recognized by any key ID registered to BCM.	Done	
CONFIRM ID4	The key ID that the key slot receives is not recognized by the fourth key ID registered to BCM.	Yet	N
	The key ID that the key slot receives is recognized by the fourth key ID registered to BCM.	Done	O
CONFIRM ID3	The key ID that the key slot receives is not recognized by the third key ID registered to BCM.	Yet	
	The key ID that the key slot receives is recognized by the third key ID registered to BCM.	Done	P
CONFIRM ID2	The key ID that the key slot receives is not recognized by the second key ID registered to BCM.	Yet	
	The key ID that the key slot receives is recognized by the second key ID registered to BCM.	Done	

BCM (BODY CONTROL MODULE)

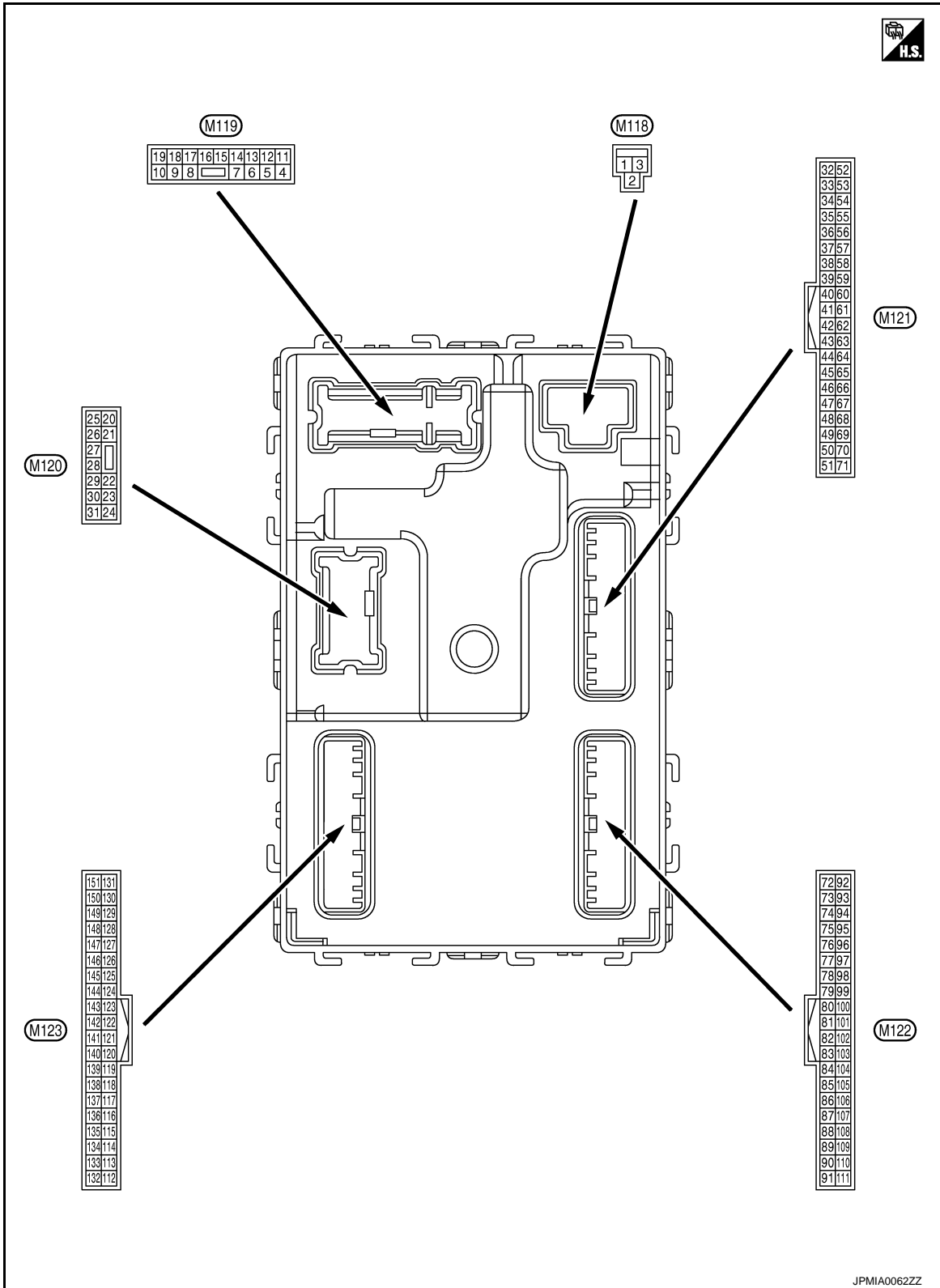
< ECU DIAGNOSIS INFORMATION >

Monitor Item	Condition	Value/Status
CONFIRM ID1	The key ID that the key slot receives is not recognized by the first key ID registered to BCM.	Yet
	The key ID that the key slot receives is recognized by the first key ID registered to BCM.	Done
TP 4	The ID of fourth Intelligent Key is not registered to BCM	Yet
	The ID of fourth Intelligent Key is registered to BCM	Done
TP 3	The ID of third Intelligent Key is not registered to BCM	Yet
	The ID of third Intelligent Key is registered to BCM	Done
TP 2	The ID of second Intelligent Key is not registered to BCM	Yet
	The ID of second Intelligent Key is registered to BCM	Done
TP 1	The ID of first Intelligent Key is not registered to BCM	Yet
	The ID of first Intelligent Key is registered to BCM	Done
AIR PRESS FL	Ignition switch ON (Only when the signal from the transmitter is received)	Air pressure of front LH tire
AIR PRESS FR	Ignition switch ON (Only when the signal from the transmitter is received)	Air pressure of front RH tire
AIR PRESS RR	Ignition switch ON (Only when the signal from the transmitter is received)	Air pressure of rear RH tire
AIR PRESS RL	Ignition switch ON (Only when the signal from the transmitter is received)	Air pressure of rear LH tire
ID REGST FL1	ID of front LH tire transmitter is registered	Done
	ID of front LH tire transmitter is not registered	Yet
ID REGST FR1	ID of front RH tire transmitter is registered	Done
	ID of front RH tire transmitter is not registered	Yet
ID REGST RR1	ID of rear RH tire transmitter is registered	Done
	ID of rear RH tire transmitter is not registered	Yet
ID REGST RL1	ID of rear LH tire transmitter is registered	Done
	ID of rear LH tire transmitter is not registered	Yet
WARNING LAMP	Tire pressure indicator OFF	Off
	Tire pressure indicator ON	On
BUZZER	Tire pressure warning alarm is not sounding	Off
	Tire pressure warning alarm is sounding	On

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

TERMINAL LAYOUT

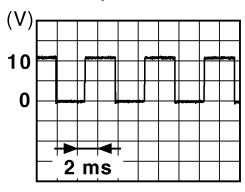


PHYSICAL VALUES

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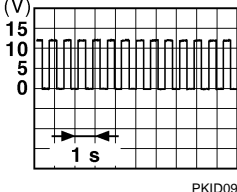
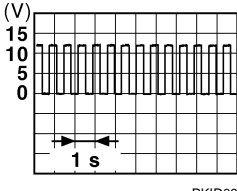
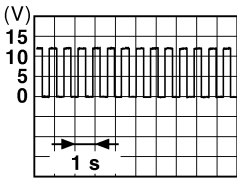
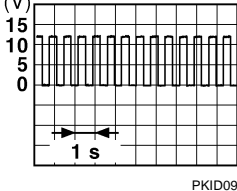
BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition		Value (Approx.)
		Signal name	Input/ Output			
+	-					
1 (W)	Ground	Battery power supply	Input	Ignition switch OFF		Battery voltage
2 (Y)	Ground	P/W power supply (BAT)	Output	Ignition switch OFF		12 V
3 (BG)	Ground	P/W power supply (RAP)	Output	Ignition switch ON		12 V
4 (LG)	Ground	Interior room lamp power supply	Output	Interior room lamp battery saver is activated. (Cuts the interior room lamp power supply)		0 V
				Interior room lamp battery saver is not activated. (Outputs the interior room lamp power supply)		12 V
5 (P)	Ground	Passenger door UN- LOCK	Output	Passenger door	UNLOCK (Actuator is activated)	12 V
					Other than UNLOCK) Actuator is not activated	0 V
7 (SB)	Ground	Step lamp	Output	Step lamp	ON	0 V
					OFF	12 V
8 (V)	Ground	All doors, fuel lid LOCK	Output	All doors, fuel lid	LOCK (Actuator is activated)	12 V
					Other than LOCK (Actuator is not activated)	0 V
9 (G)	Ground	Driver door, fuel lid UNLOCK	Output	Driver door, fuel lid	UNLOCK (Actuator is activated)	12 V
					Other than UNLOCK (Actuator is not activated)	0 V
10 (P)	Ground	Rear RH door and rear LH door UN- LOCK	Output	Rear RH door and rear LH door	UNLOCK (Actuator is activated)	12 V
					Other than UNLOCK (Actuator is not activated)	0 V
11 (R)	Ground	Battery power supply	Input	Ignition switch OFF		Battery voltage
13 (B)	Ground	Ground	—	Ignition switch ON		0 V
14 (W)	Ground	Push-button ignition switch illumination ground	Output	Tail lamp	OFF	0 V
					ON	<p>NOTE: When the illumination brightening/dimming level is in the neutral position.</p>  <p style="text-align: right; font-size: small;">JSNIA0010GB</p>
15 (BG)	Ground	ACC indicator lamp	Output	Ignition switch	OFF (LOCK indicator is not illuminated)	Battery voltage
					ACC	0 V

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition	Value (Approx.)	
		Signal name	Input/ Output			
+	-					
17 (W)	Ground	Turn signal RH (Front)	Output	Ignition switch ON	Turn signal switch OFF	0 V
					Turn signal switch RH	 6.5 V
18 (BG)	Ground	Turn signal LH (Front)	Output	Ignition switch ON	Turn signal switch OFF	0 V
					Turn signal switch LH	 6.5 V
19 (V)	Ground	Interior room lamp control	Output	Interior room lamp	OFF	12 V
					ON	0 V
20 (V)	Ground	Turn signal RH (Rear)	Output	Ignition switch ON	Turn signal switch OFF	0 V
					Turn signal switch RH	 6.5 V
23 (LG)	Ground	Trunk lid open	Output	Trunk lid	OPEN (Trunk lid opener actuator is activated)	12 V
					Other than OPEN (Trunk lid opener actuator is not activated)	0 V
25 (Y)	Ground	Turn signal LH (Rear)	Output	Ignition switch ON	Turn signal switch OFF	0 V
					Turn signal switch LH	 6.5 V
30 (P)	Ground	Trunk room lamp	Output	Trunk room lamp	ON	0 V
					OFF	12 V

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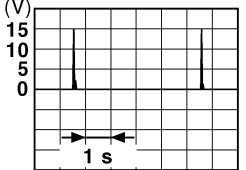
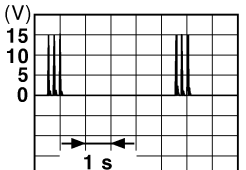
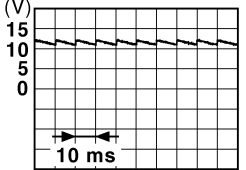
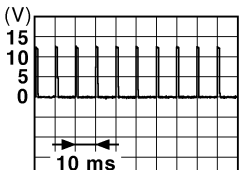
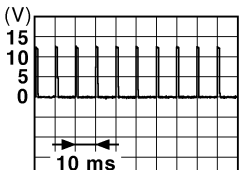
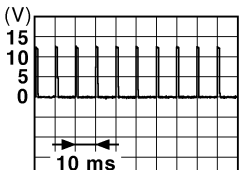
BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition	Value (Approx.)
+	-	Signal name	Input/ Output		
34 (SB)	Ground	Trunk room antenna (-)	Output	Ignition switch OFF	<p style="text-align: right; font-size: small;">JMKIA0062GB</p>
				When Intelligent Key is not in the passenger compart- ment	<p style="text-align: right; font-size: small;">JMKIA0063GB</p>
35 (V)	Ground	Trunk room antenna (+)	Output	Ignition switch OFF	<p style="text-align: right; font-size: small;">JMKIA0062GB</p>
				When Intelligent Key is not in the passenger compart- ment	<p style="text-align: right; font-size: small;">JMKIA0063GB</p>
38 (B)	Ground	Rear bumper anten- na (-)	Output	When the trunk lid opener re- quest switch is operated with ignition switch OFF	<p style="text-align: right; font-size: small;">JMKIA0062GB</p>
				When Intelligent Key is not in the antenna detection area	<p style="text-align: right; font-size: small;">JMKIA0063GB</p>

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

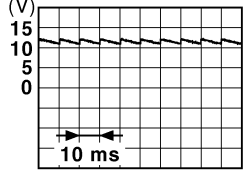
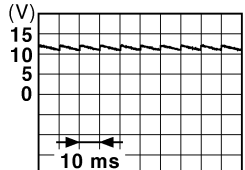
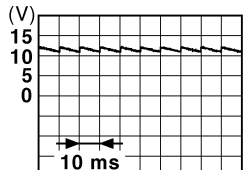
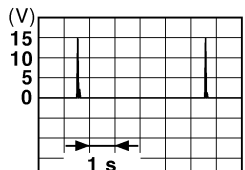
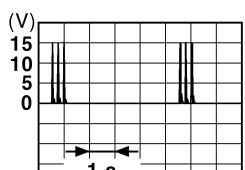
Terminal No. (Wire color)		Description		Condition	Value (Approx.)				
+	-	Signal name	Input/ Output						
39 (W)	Ground	Rear bumper antenna (+)	Output	When Intelligent Key is in the antenna detection area	 <p style="text-align: right; font-size: small;">JMKIA0062GB</p>				
				When the trunk lid opener request switch is operated with ignition switch OFF	 <p style="text-align: right; font-size: small;">JMKIA0063GB</p>				
47 (Y)	Ground	Ignition relay (IPDM E/R) control	Output	Ignition switch	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>OFF or ACC</td> <td style="text-align: center;">12 V</td> </tr> <tr> <td>ON</td> <td style="text-align: center;">0 V</td> </tr> </table>	OFF or ACC	12 V	ON	0 V
				OFF or ACC	12 V				
ON	0 V								
50 (BG)	Ground	Trunk room lamp switch	Input	Trunk room lamp switch	 <p style="text-align: right; font-size: small;">JPMIA0011GB</p>				
				OFF (Trunk lid is closed)	11.8 V				
52 (R)	Ground	Starter relay control	Output	Ignition switch ON	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>When selector lever is in P or N position</td> <td style="text-align: center;">12 V</td> </tr> <tr> <td>When selector lever is not in P or N position</td> <td style="text-align: center;">0 V</td> </tr> </table>	When selector lever is in P or N position	12 V	When selector lever is not in P or N position	0 V
				When selector lever is in P or N position	12 V				
When selector lever is not in P or N position	0 V								
60 (BR)	Ground	Push-button ignition switch (Push switch)	Input	Push-button ignition switch (push switch)	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Pressed</td> <td style="text-align: center;">0 V</td> </tr> <tr> <td>Not pressed</td> <td style="text-align: center;">Battery voltage</td> </tr> </table>	Pressed	0 V	Not pressed	Battery voltage
				Pressed	0 V				
Not pressed	Battery voltage								
61 (SB)	Ground	Trunk lid opener request switch	Input	Trunk lid opener request switch	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>ON (Pressed)</td> <td style="text-align: center;">0 V</td> </tr> <tr> <td>OFF (Not pressed)</td> <td>  <p style="text-align: right; font-size: small;">JPMIA0016GB</p> </td> </tr> </table>	ON (Pressed)	0 V	OFF (Not pressed)	 <p style="text-align: right; font-size: small;">JPMIA0016GB</p>
				ON (Pressed)	0 V				
OFF (Not pressed)	 <p style="text-align: right; font-size: small;">JPMIA0016GB</p>								
1.0 V									
64 (G)	Ground	Intelligent Key warning buzzer (Engine room)	Output	Intelligent Key warning buzzer (Engine room)	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Sounding</td> <td style="text-align: center;">0 V</td> </tr> <tr> <td>Not sounding</td> <td style="text-align: center;">12 V</td> </tr> </table>	Sounding	0 V	Not sounding	12 V
				Sounding	0 V				
Not sounding	12 V								

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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition	Value (Approx.)	
+	-	Signal name	Input/ Output			
67 (GR)	Ground	Trunk lid opener switch	Input	Trunk lid opener switch	Pressed	0 V
				Not pressed	Not pressed	 <p style="text-align: right; font-size: small;">JPMIA0011GB</p>
68 (BG)	Ground	Rear RH door switch	Input	Rear RH door switch	OFF (When rear RH door closes)	 <p style="text-align: right; font-size: small;">JPMIA0011GB</p>
				ON (When rear RH door opens)	ON (When rear RH door opens)	0 V
69 (L)	Ground	Rear LH door switch	Input	Rear LH door switch	OFF (When rear LH door closes)	 <p style="text-align: right; font-size: small;">JPMIA0011GB</p>
				ON (When rear LH door opens)	ON (When rear LH door opens)	0 V
72 (R)	Ground	Room antenna 2 (-) (Center console)	Output	Ignition switch OFF	When Intelligent Key is in the passenger compartment	 <p style="text-align: right; font-size: small;">JMKIA0062GB</p>
				Ignition switch OFF	When Intelligent Key is not in the passenger compartment	 <p style="text-align: right; font-size: small;">JMKIA0063GB</p>

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition	Value (Approx.)
+	-	Signal name	Input/ Output		
73 (G)	Ground	Room antenna 2 (+) (Center console)	Output	Ignition switch OFF	<p style="text-align: right; font-size: small;">JMKIA0062GB</p>
				When Intelligent Key is not in the passenger compart- ment	<p style="text-align: right; font-size: small;">JMKIA0063GB</p>
74 (SB)	Ground	Passenger door an- tenna (-)	Output	When the pas- senger door re- quest switch is operated with ignition switch OFF	<p style="text-align: right; font-size: small;">JMKIA0062GB</p>
				When Intelligent Key is not in the antenna detection area	<p style="text-align: right; font-size: small;">JMKIA0063GB</p>
75 (BR)	Ground	Passenger door an- tenna (+)	Output	When the pas- senger door re- quest switch is operated with ignition switch OFF	<p style="text-align: right; font-size: small;">JMKIA0062GB</p>
				When Intelligent Key is not in the antenna detection area	<p style="text-align: right; font-size: small;">JMKIA0063GB</p>

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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition	Value (Approx.)	
+	-	Signal name	Input/ Output			
76 (V)	Ground	Driver door antenna (-)	Output	When Intelligent Key is in the antenna detection area	<p>JMKIA0062GB</p>	
				When the driver door request switch is oper- ated with igni- tion switch OFF	When Intelligent Key is not in the antenna detection area	<p>JMKIA0063GB</p>
77 (LG)	Ground	Driver door antenna (+)	Output	When Intelligent Key is in the antenna detection area	<p>JMKIA0062GB</p>	
				When the driver door request switch is oper- ated with igni- tion switch OFF	When Intelligent Key is not in the antenna detection area	<p>JMKIA0063GB</p>
78 (Y)	Ground	Room antenna 1 (-) (Instrument panel)	Output	Ignition switch OFF	When Intelligent Key is in the passenger compart- ment	<p>JMKIA0062GB</p>
				When Intelligent Key is not in the passenger compart- ment	<p>JMKIA0063GB</p>	

BCM (BODY CONTROL MODULE)

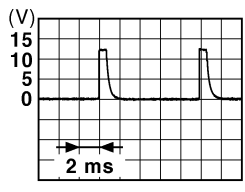
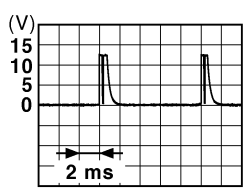
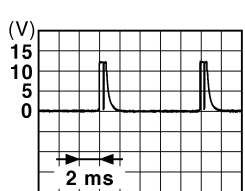
< ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition	Value (Approx.)	
+	-	Signal name	Input/ Output			
79 (BR)	Ground	Room antenna 1 (+) (Instrument panel)	Output	Ignition switch OFF		
				When Intelligent Key is not in the passenger compart- ment		
80 (GR)	Ground	NATS antenna amp.	Input/ Output	During waiting	Ignition switch is pressed while inserting the Intelli- gent Key into the key slot.	Just after pressing ignition switch. Pointer of tester should move.
81 (W)	Ground	NATS antenna amp.	Input/ Output	During waiting	Ignition switch is pressed while inserting the Intelli- gent Key into the key slot.	Just after pressing ignition switch. Pointer of tester should move.
82 (SB)	Ground	Ignition relay [Fuse block (J/B)] control	Output	Ignition switch	OFF or ACC	0 V
					ON	12 V
83 (Y)	Ground	Remote keyless entry receiver communica- tion	Input/ Output	During waiting		
				When operating either button on the Intelli- gent Key		

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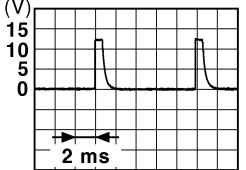

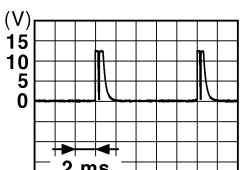

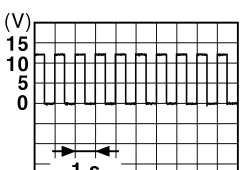
BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition	Value (Approx.)
+	-	Signal name	Input/ Output		
87 (Y)	Ground	Combination switch INPUT 5	Input	Combination switch	All switches OFF (Wiper volume dial 4) <div style="text-align: right;">  <p style="font-size: small; margin: 0;">JPMIA0041GB</p> <p style="margin: 0;">1.4 V</p> </div>
				Combination switch	Front fog lamp switch ON (Wiper volume dial 4) <div style="text-align: right;">  <p style="font-size: small; margin: 0;">JPMIA0037GB</p> <p style="margin: 0;">1.3 V</p> </div>
				Any of the conditions be- low with all switches OFF <ul style="list-style-type: none"> • Wiper volume dial 1 • Wiper volume dial 2 • Wiper volume dial 6 • Wiper volume dial 7 	<div style="text-align: right;">  <p style="font-size: small; margin: 0;">JPMIA0040GB</p> <p style="margin: 0;">1.3 V</p> </div>

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition	Value (Approx.)	
+	-	Signal name	Input/ Output			
88 (BG)	Ground	Combination switch INPUT 3	Input	Combination switch	All switches OFF (Wiper volume dial 4)	 <p style="text-align: right; font-size: small;">JPMAI0041GB</p> <p style="text-align: center;">1.4 V</p>
					Lighting switch HI (Wiper volume dial 4)	 <p style="text-align: right; font-size: small;">JPMAI0036GB</p> <p style="text-align: center;">1.3 V</p>
					Lighting switch 2ND (Wiper volume dial 4)	 <p style="text-align: right; font-size: small;">JPMAI0037GB</p> <p style="text-align: center;">1.3 V</p>
					Any of the conditions below with all switches OFF <ul style="list-style-type: none"> • Wiper volume dial 1 • Wiper volume dial 2 • Wiper volume dial 3 	 <p style="text-align: right; font-size: small;">JPMAI0040GB</p> <p style="text-align: center;">1.3 V</p>
90 (P)	Ground	CAN-L	Input/ Output	—	—	
91 (L)	Ground	CAN-H	Input/ Output	—	—	
92 (LG)	Ground	Key slot illumination	Output	Key slot illumina- tion	OFF	12 V
					Blinking	 <p style="text-align: right; font-size: small;">JPMAI0015GB</p> <p style="text-align: center;">6.5 V</p>
93 (GR)	Ground	ON indicator lamp	Output	Ignition switch	OFF (LOCK indicator is not illuminated)	Battery voltage
					ON	0 V

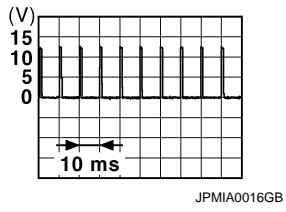
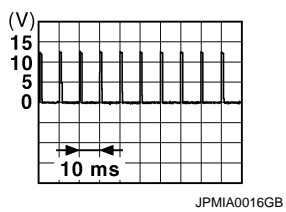
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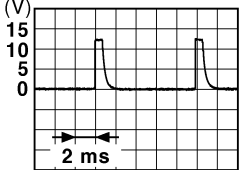

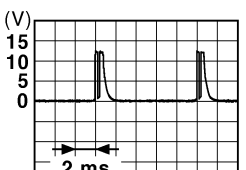

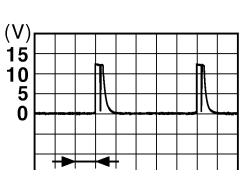
BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition		Value (Approx.)
+	-	Signal name	Input/ Output			
95 (BG)	Ground	ACC relay control	Output	Ignition switch	OFF	0 V
					ACC or ON	12 V
96 (GR)	Ground	A/T shift selector (Detention switch) power supply	Output	—		12 V
99 (R)	Ground	Selector lever P position switch	Input	Selector lever	P position	0 V
					Any position other than P	12 V
100 (Y)	Ground	Passenger door request switch	Input	Passenger door request switch	ON (Pressed)	0 V
					OFF (Not pressed)	 <p style="text-align: center;">1.0 V</p>
101 (P)	Ground	Driver door request switch	Input	Driver door request switch	ON (Pressed)	0 V
					OFF (Not pressed)	 <p style="text-align: center;">1.0 V</p>
102 (BG)	Ground	Blower fan motor relay control	Output	Ignition switch	OFF or ACC	0 V
					ON	12 V
103 (P)	Ground	Remote keyless entry receiver power supply	Output	Ignition switch OFF		12 V

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

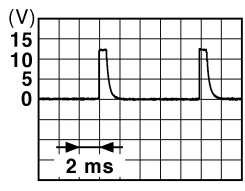
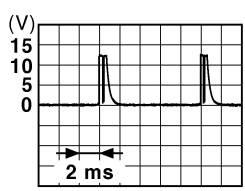
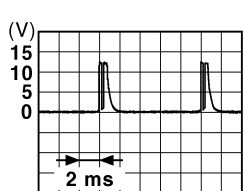
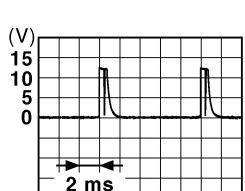
Terminal No. (Wire color)		Description		Condition	Value (Approx.)	
		Signal name	Input/ Output			
+	-					
107 (LG)	Ground	Combination switch INPUT 1	Input	Combination switch (Wiper volume dial 4)	All switches OFF	 <p style="text-align: right;">JPMAI0041GB</p> <p style="text-align: center;">1.4 V</p>
					Turn signal switch LH	 <p style="text-align: right;">JPMAI0037GB</p> <p style="text-align: center;">1.3 V</p>
					Turn signal switch RH	 <p style="text-align: right;">JPMAI0036GB</p> <p style="text-align: center;">1.3 V</p>
					Front wiper switch LO	 <p style="text-align: right;">JPMAI0038GB</p> <p style="text-align: center;">1.3 V</p>
					Front washer switch ON	 <p style="text-align: right;">JPMAI0039GB</p> <p style="text-align: center;">1.3 V</p>

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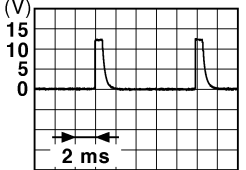
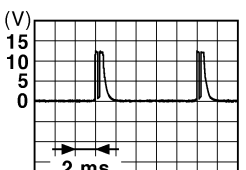


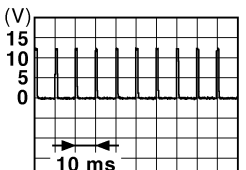
BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition	Value (Approx.)
+	-	Signal name	Input/ Output		
108 (R)	Ground	Combination switch INPUT 4	Input	Combination switch	<div style="display: flex; flex-direction: column; align-items: center;"> <div style="text-align: center;">All switches OFF (Wiper volume dial 4)</div>  <div style="text-align: center;">1.4 V</div> </div>
				Lighting switch AUTO (Wiper volume dial 4)	<div style="display: flex; flex-direction: column; align-items: center;"> <div style="text-align: center;">Lighting switch AUTO (Wiper volume dial 4)</div>  <div style="text-align: center;">1.3 V</div> </div>
				Lighting switch 1ST (Wiper volume dial 4)	<div style="display: flex; flex-direction: column; align-items: center;"> <div style="text-align: center;">Lighting switch 1ST (Wiper volume dial 4)</div>  <div style="text-align: center;">1.3 V</div> </div>
				Any of the conditions below with all switches OFF	<div style="display: flex; flex-direction: column; align-items: center;"> <div style="text-align: center;">Any of the conditions below with all switches OFF</div> <ul style="list-style-type: none"> • Wiper volume dial 1 • Wiper volume dial 5 • Wiper volume dial 6  <div style="text-align: center;">1.3 V</div> </div>

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

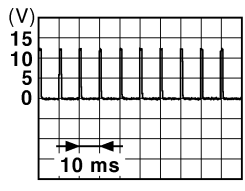
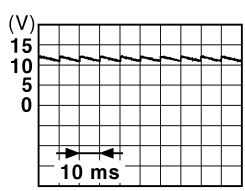
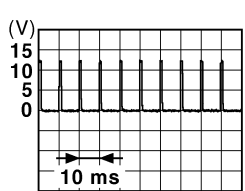
Terminal No. (Wire color)		Description		Condition	Value (Approx.)	
+	-	Signal name	Input/ Output			
109 (W)	Ground	Combination switch INPUT 2	Input	Combination switch (Wiper volume dial 4)	All switches OFF	 <p style="text-align: right;">JPMAI0041GB</p> <p style="text-align: center;">1.4 V</p>
					Lighting switch PASS	 <p style="text-align: right;">JPMAI0037GB</p> <p style="text-align: center;">1.3 V</p>
					Lighting switch 2ND	 <p style="text-align: right;">JPMAI0036GB</p> <p style="text-align: center;">1.3 V</p>
					Front wiper switch INT/ AUTO	 <p style="text-align: right;">JPMAI0038GB</p> <p style="text-align: center;">1.3 V</p>
					Front wiper switch HI	 <p style="text-align: right;">JPMAI0040GB</p> <p style="text-align: center;">1.3 V</p>
					ON	0 V
110 (G)	Ground	Hazard switch	Input	Hazard switch	ON	
				Hazard switch	OFF	 <p style="text-align: right;">JPMAI0012GB</p> <p style="text-align: center;">1.1 V</p>

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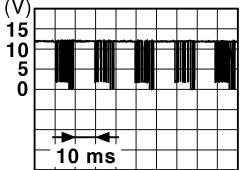
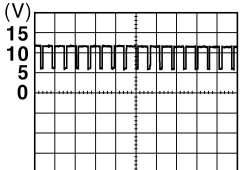
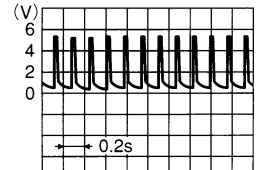
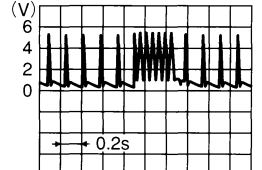
BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition		Value (Approx.)
		Signal name	Input/ Output			
+	-					
113 (BG)	Ground	Optical sensor	Input	Ignition switch ON	When bright outside of the vehicle	Close to 5 V
					When dark outside of the vehicle	Close to 0 V
116 (SB)	Ground	Stop lamp switch 1	Input	—		Battery voltage
118 (BR)	Ground	Stop lamp switch 2 (Without ICC)	Input	Stop lamp switch	OFF (Brake pedal is not depressed)	0 V
					ON (Brake pedal is de- pressed)	Battery voltage
		Stop lamp switch 2 (With ICC)		Stop lamp switch OFF (Brake pedal is not depressed) and ICC brake hold relay OFF		0 V
				Stop lamp switch ON (Brake pedal is de- pressed) or ICC brake hold relay ON		Battery voltage
119 (SB)	Ground	Front door lock as- sembly driver side (Unlock sensor)	Input	Driver door	LOCK status (Unlock sensor switch OFF)	 1.1 V
					UNLOCK status (Unlock switch sensor ON)	0 V
121 (SB)	Ground	Key slot switch	Input	When the Intelligent Key is inserted into key slot		12 V
				When the Intelligent Key is not inserted into key slot		0 V
123 (V)	Ground	IGN feedback	Input	Ignition switch	OFF or ACC	0 V
					ON	Battery voltage
124 (R)	Ground	Passenger door switch	Input	Passenger door switch	OFF (Door close)	 11.8 V
					ON (Door open)	0 V
129 (BG)	Ground	Trunk lid opener can- cel switch	Input	Trunk lid open- er cancel switch	CANCEL	 1.1 V
					ON	0 V

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

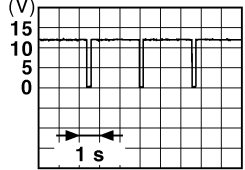
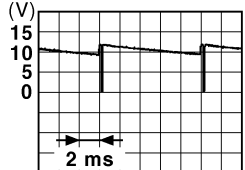
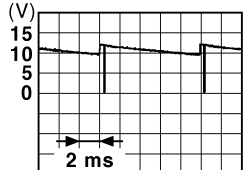
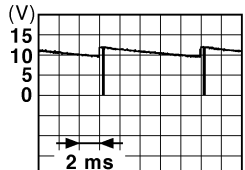
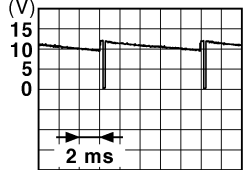
Terminal No. (Wire color)		Description		Condition	Value (Approx.)
+	-	Signal name	Input/ Output		
132 (V)	Ground	Power window switch communication	Input/ Output	Ignition switch ON	 <small>JPMIA0013GB</small> 10.2 V
				Ignition switch OFF or ACC	12 V
133 (L)	Ground	Push-button ignition switch illumination	Output	ON (Tail lamps OFF)	9.5 V
				ON (Tail lamps ON)	<p>NOTE: The pulse width of this wave is varied by the illumination brightening/dimming level.</p>  <small>JPMIA0159GB</small>
				OFF	0 V
134 (LG)	Ground	LOCK indicator lamp	Output	LOCK indicator lamp	OFF
				ON	Battery voltage
137 (BG)	Ground	Receiver and sensor ground	Input	Ignition switch ON	0 V
138 (V)	Ground	Receiver and sensor power supply	Output	Ignition switch	OFF
				ACC or ON	5.0 V
139 (L)	Ground	Tire pressure receiver communication	Input/ Output	Ignition switch ON	 <small>OCC3881D</small>
				When receiving the signal from the transmitter	 <small>OCC3880D</small>
140 (B)	Ground	Selector lever P/N position	Input	Selector lever	P or N position
				Except P and N positions	0 V

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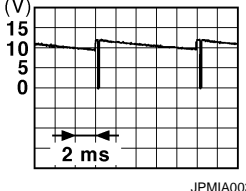
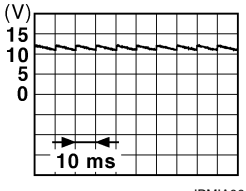
BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition	Value (Approx.)
+	-	Signal name	Input/ Output		
141 (W)	Ground	Security indicator lamp	Output	Security indicator lamp	0 V
				Blinking	 <p style="text-align: right; font-size: small;">JPMIA0014GB</p>
				OFF	12 V
142 (BR)	Ground	Combination switch OUTPUT 5	Output	Combination switch (Wiper volume dial 4)	0 V
				All switches OFF	 <p style="text-align: right; font-size: small;">JPMIA0031GB</p>
				Lighting switch 1ST	
				Lighting switch HI	
				Lighting switch 2ND	
Turn signal switch RH	10.7 V				
143 (P)	Ground	Combination switch OUTPUT 1	Output	Combination switch	0 V
				All switches OFF (Wiper volume dial 4)	 <p style="text-align: right; font-size: small;">JPMIA0032GB</p>
				Front wiper switch HI (Wiper volume dial 4)	
		Any of the conditions below with all switches OFF			
		<ul style="list-style-type: none"> • Wiper volume dial 1 • Wiper volume dial 2 • Wiper volume dial 3 • Wiper volume dial 6 • Wiper volume dial 7 			
144 (G)	Ground	Combination switch OUTPUT 2	Output	Combination switch	0 V
				All switches OFF (Wiper volume dial 4)	 <p style="text-align: right; font-size: small;">JPMIA0033GB</p>
				Front washer switch ON (Wiper volume dial 4)	
		Any of the conditions below with all switches OFF			
		<ul style="list-style-type: none"> • Wiper volume dial 1 • Wiper volume dial 5 • Wiper volume dial 6 			
145 (L)	Ground	Combination switch OUTPUT 3	Output	Combination switch (Wiper volume dial 4)	0 V
				All switches OFF	 <p style="text-align: right; font-size: small;">JPMIA0034GB</p>
				Front wiper switch INT/AUTO	
				Front wiper switch LO	
		Lighting switch AUTO			10.7 V

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition	Value (Approx.)	
		Signal name	Input/ Output			
+	-					
146 (SB)	Ground	Combination switch OUTPUT 4	Output	All switches OFF	0 V	
				Front fog lamp switch ON		
				Lighting switch 2ND		
				Lighting switch PASS		
				Turn signal switch LH		10.7 V
150 (GR)	Ground	Driver door switch	Input	Driver door switch		
				OFF (Door close)		11.8 V
151 (G)	Ground	Rear window defogger relay control	Output	Rear window defogger	Active	0 V
				Not activated	Battery voltage	

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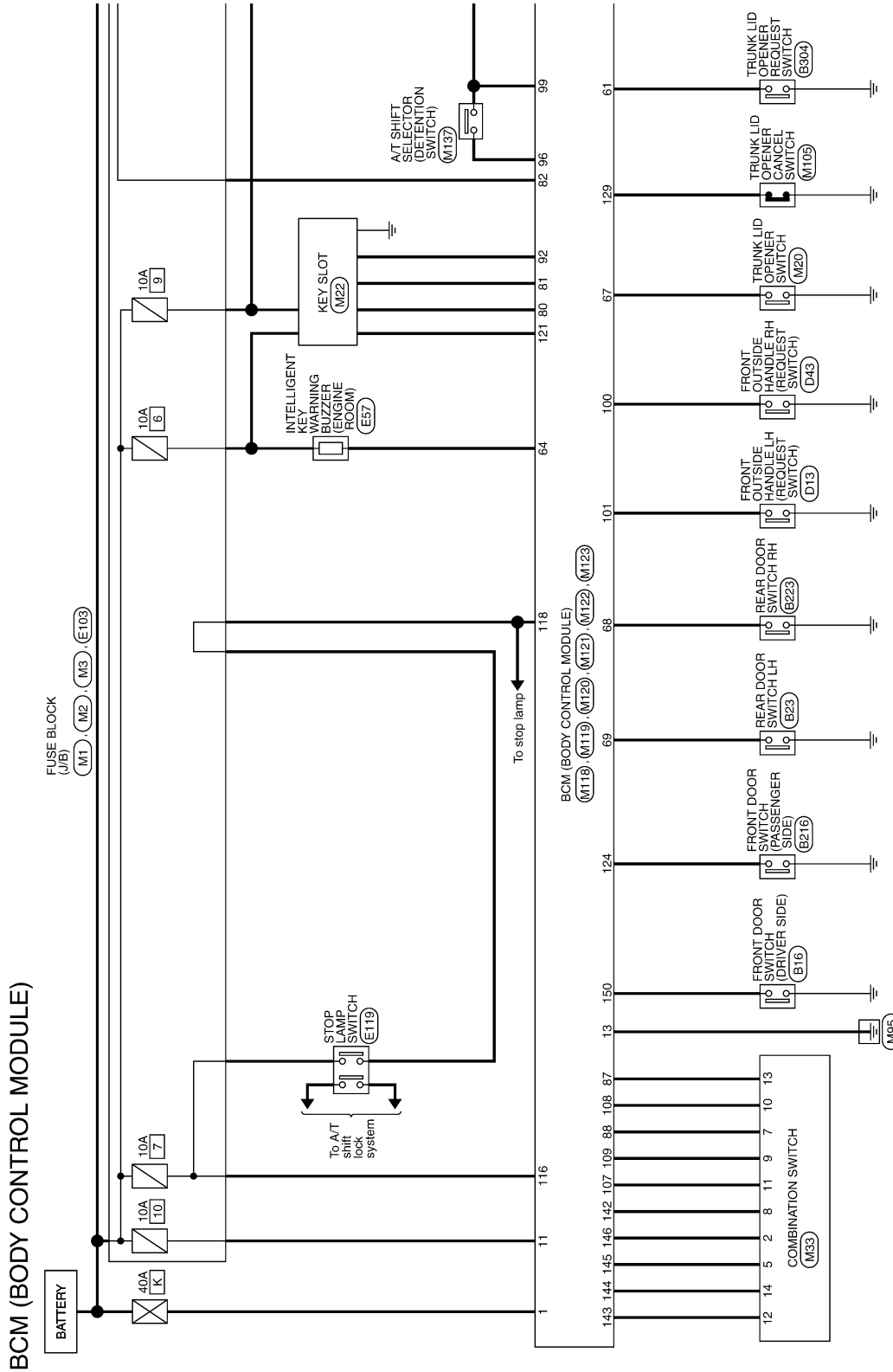
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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Wiring Diagram - BCM -

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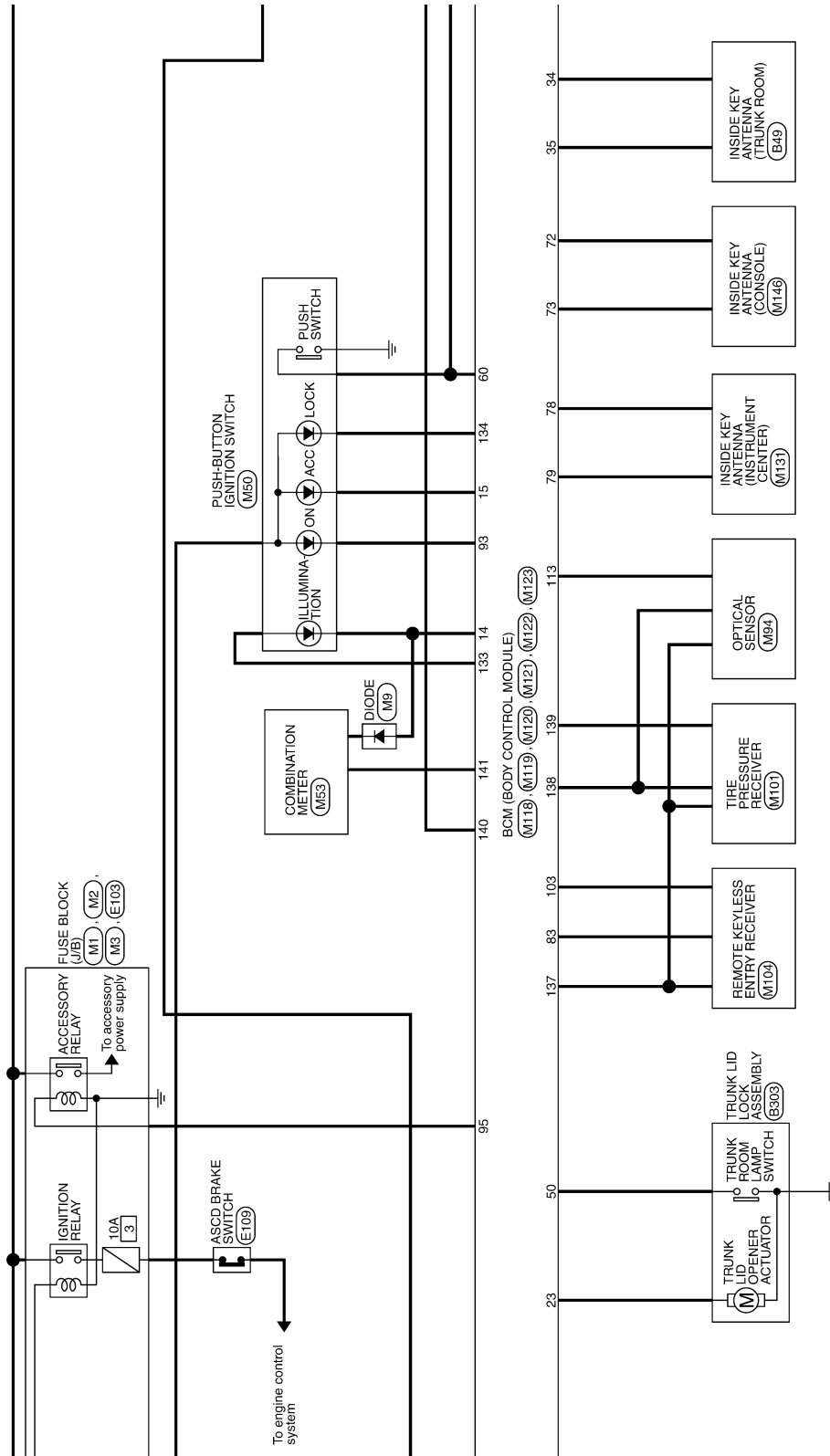


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BCM (BODY CONTROL MODULE)

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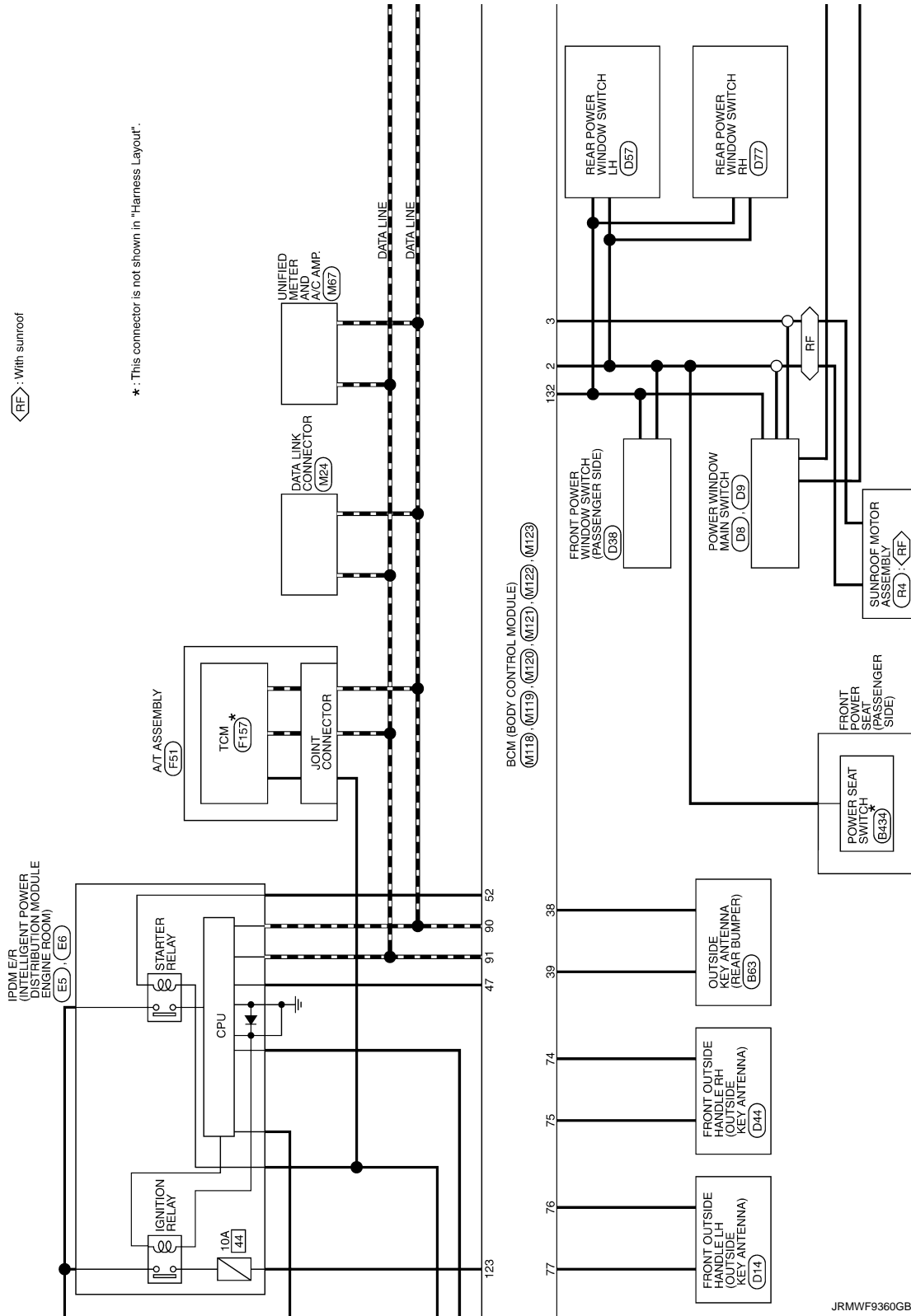
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BCM (BODY CONTROL MODULE)

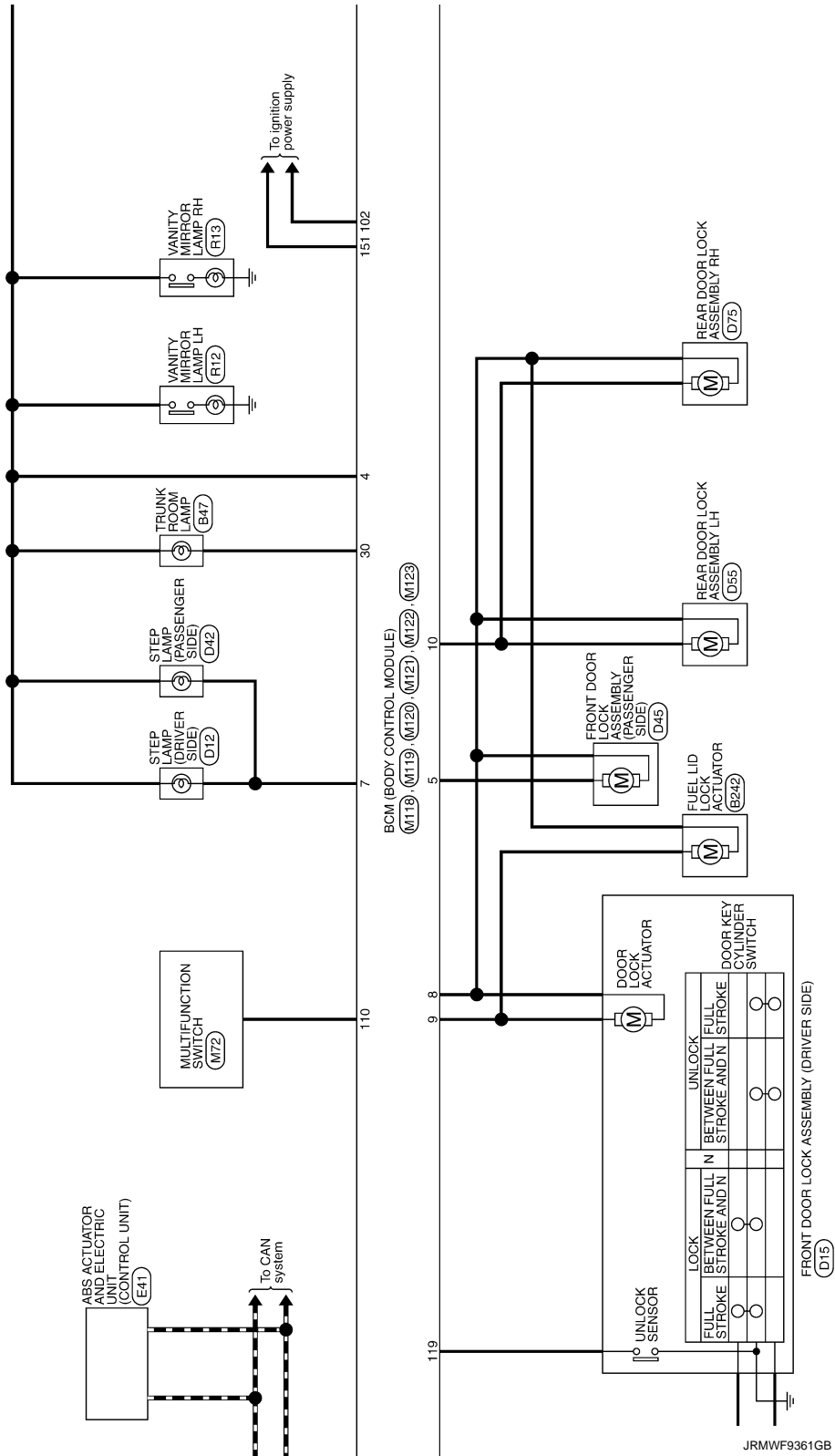
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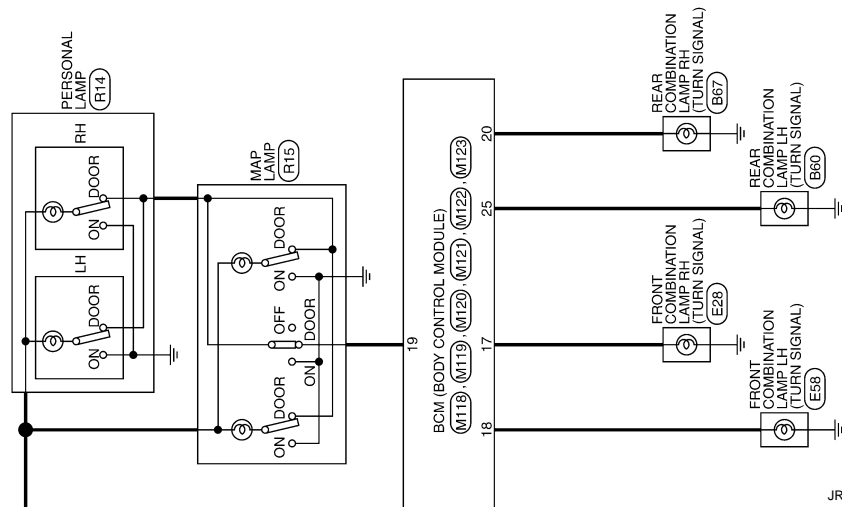


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BCM (BODY CONTROL MODULE)

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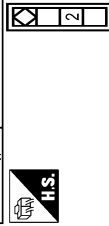
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BCM (BODY CONTROL MODULE)

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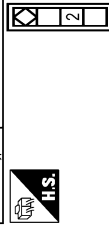
BCM (BODY CONTROL MODULE)

Connector No.	B16	Signal Name [Specification]
Connector Name	FRONT DOOR SWITCH (DRIVER SIDE)	
Connector Type	A03FW	



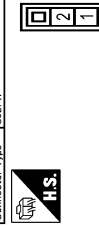
Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	
2	BR	

Connector No.	B23	Signal Name [Specification]
Connector Name	REAR DOOR SWITCH LH	
Connector Type	A03FW	



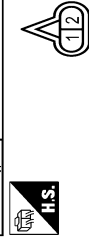
Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	
2	Y	

Connector No.	B47	Signal Name [Specification]
Connector Name	TRUNK ROOM LAMP	
Connector Type	S02FW	



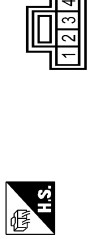
Terminal No.	Color Of Wire	Signal Name [Specification]
1	GC	
2	GR	

Connector No.	B49	Signal Name [Specification]
Connector Name	INSIDE KEY ANTENNA (TRUNK ROOM)	
Connector Type	RK02FGY	



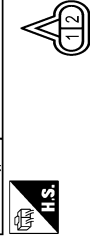
Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	
2	P	

Connector No.	B60	Signal Name [Specification]
Connector Name	REAR COMBINATION LAMP LH	
Connector Type	NS04FW-CS	



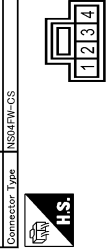
Terminal No.	Color Of Wire	Signal Name [Specification]
1	V	
2	LG	
3	SB	
4	B	

Connector No.	B83	Signal Name [Specification]
Connector Name	OUTSIDE KEY ANTENNA (REAR BUMPER)	
Connector Type	FR02FGY	



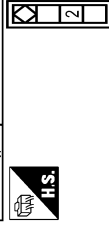
Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	
2	R	

Connector No.	B87	Signal Name [Specification]
Connector Name	REAR COMBINATION LAMP RH	
Connector Type	NS04FW-CS	



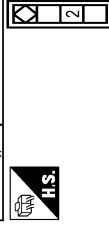
Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	
2	LG	
3	V	
4	B	

Connector No.	B216	Signal Name [Specification]
Connector Name	FRONT DOOR SWITCH (PASSENGER SIDE)	
Connector Type	A03FW	



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

Connector No.	B223	Signal Name [Specification]
Connector Name	REAR DOOR SWITCH RH	
Connector Type	A03FW	



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

Connector No.	B242	Signal Name [Specification]
Connector Name	FUEL LID LOCK ACTUATOR	
Connector Type	MM0FW-LC	



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< ECU DIAGNOSIS INFORMATION >

BCM (BODY CONTROL MODULE)

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

Connector No.	EB303
Connector Name	TRUNK LID LOCK ASSEMBLY
Connector Type	TB03FW



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

Connector No.	BB04
Connector Name	TRUNK LID OPENER REQUEST SWITCH
Connector Type	TR02MR-P



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

Connector No.	BA34
Connector Name	POWER SEAT SWITCH
Connector Type	NS10FW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
1	G/Y	-
2	L/Y	-
3	L/Y	-
4	B	-
5	G/W	-
6	SB	-
7	V	-
8	W	-
9	L/R	-
10	L	-

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



Terminal No.	Color Of Wire	Signal Name [Specification]
2	LG	-
4	V	-
8	L	-
9	BG	-
10	SB	-
11	G	-
13	P	-
14	V	-
15	B	-

Connector No.	D9
Connector Name	POWER WINDOW MAIN SWITCH
Connector Type	NS03FW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
17	B	-
19	Y	-

Connector No.	D12
Connector Name	STEP LAMP (DRIVER SIDE)
Connector Type	TB02FW



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

Connector No.	D13
Connector Name	FRONT OUTSIDE HANDLE LH (REQUEST SWITCH)
Connector Type	RR02FL



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

Connector No.	D14
Connector Name	FRONT OUTSIDE VOICES LH (OUTSIDE RE-ANTENNA)
Connector Type	RR02MGCY



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

BCM (BODY CONTROL MODULE)

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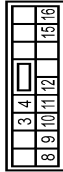
BCM (BODY CONTROL MODULE)

Connector No.	D15
Connector Name	FRONT DOOR LOCK ASSEMBLY (DRIVER SIDE)
Connector Type	EDFEGY-RS



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

Connector No.	D38
Connector Name	REAR POWER WINDOW SWITCH (PASSENGER SIDE)
Connector Type	NS16FW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
3	LG	-
4	B	-
8	L	-
9	G	-
10	Y	-
11	B	-
12	P	-
15	BG	-
16	Y	-

Connector No.	D42
Connector Name	STEP LAMP (PASSENGER SIDE)
Connector Type	TB02FW



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

Connector No.	D43
Connector Name	FRONT OUTSIDE HANDLE RH (REQUEST SWITCH)
Connector Type	RK02FL



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

Connector No.	D44
Connector Name	FRONT OUTSIDE HANDLE RH (OUTSIDE KEY ANTENNA)
Connector Type	FR02MGY



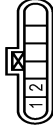
Terminal No.	Color Of Wire	Signal Name [Specification]
1	P	-
2	V	-

Connector No.	D45
Connector Name	FRONT DOOR LOCK ASSEMBLY (PASSENGER SIDE)
Connector Type	EDFEGY-RS



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

Connector No.	D55
Connector Name	REAR DOOR LOCK ASSEMBLY LH
Connector Type	EDFEGY-RS



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

Connector No.	D57
Connector Name	REAR POWER WINDOW SWITCH-LH
Connector Type	NS16FW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
3	BR	-
4	SB	-
8	W	-
9	L	-
10	W	-
11	B	-
12	GR	-
15	BG	-
16	Y	-

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BCM (BODY CONTROL MODULE)

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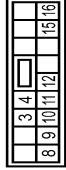
BCM (BODY CONTROL MODULE)

Connector No.	D75
Connector Name	REAR DOOR LOCK ASSEMBLY RH
Connector Type	EMBED-RES



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

Connector No.	D77
Connector Name	REAR POWER WINDOW SWITCH RH
Connector Type	NS16FW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
3	BR	-
4	SB	-
8	W	-
9	L	-
10	W	-
11	B	-
12	GR	-
15	BG	-
16	Y	-

Connector No.	E5
Connector Name	ENGINE INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	TH03PW-CS12-M4-1V



Terminal No.	Color Of Wire	Signal Name [Specification]
4	Y	-
5	LG	-
6	SB	-
7	P	-
12	B/W	-
13	Y	-
16	LG	-
19	R	-
25	G	-
27	BG	-
28	L	-
30	GR	-
36	G	-

Connector No.	E5
Connector Name	ENGINE INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	TH03PW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
39	P	-
40	L	-
41	B/W	-
42	GR	-
43	G	-
44	LG	-
45	V	-

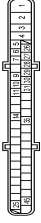
Connector No.	46
Connector Name	SB

Connector No.	E28
Connector Name	FRONT COMBINATION LAMP RH
Connector Type	RS08FB-PR



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

Connector No.	E41
Connector Name	ABS ACTUATOR AND ELECTRIC JET CONTROL UNIT
Connector Type	BAM4ZFB-AH24-LH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	GROUND
2	GR	UBMR
3	BG	DBVR
4	D	GRND
5	EG	DS FR
6	EG	DP FR
7	BR	DP FR
9	B	DS FR
10	W	DS FR
11	V	DIAG-K
14	P	CAN-L

29	V	BUS-L
30	LG	DS FL
21	GR	DC RL
28	G	UZ
29	P	DS RR
30	SB	BLS
31	R	VDC OFF SW
35	L	CAN-H
45	B	BUS-H

Connector No.	E57
Connector Name	INTELLIGENT KEY WARNING BUZZER (ENGINE ROOM)
Connector Type	RK03FBR



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

Connector No.	E58
Connector Name	FRONT COMBINATION LAMP LH
Connector Type	RS08FB-PR



Terminal No.	Color Of Wire	Signal Name [Specification]
3	B	-
4	B/W	-
5	V	-
6	GR	-
7	P	-
8	BG	-

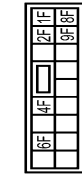
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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

BCM (BODY CONTROL MODULE)

Connector No.	E103
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS16FW-C5



Terminal No.	Color Of Wire	Signal Name [Specification]
1F	SB	-
2F	G	-
4F	BR	-
8F	L	-
9F	P	-

Connector No.	E109
Connector Name	ASC0 BRAKE SWITCH
Connector Type	IS02FL



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

Connector No.	E119
Connector Name	STOP LAMP SWITCH
Connector Type	MR0FL-C



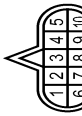
Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
2	G	-
3	Y	-
4	Y	-

Connector No.	F51
Connector Name	A/T ASSEMBLY
Connector Type	RK10FG-DQY



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

Connector No.	E157
Connector Name	TCM
Connector Type	SP10FG



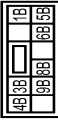
Terminal No.	Color Of Wire	Signal Name [Specification]
1	SHIELD	VIGN
2	SHIELD	IGN
3	SHIELD	IGN
4	SHIELD	IGN
5	SHIELD	GROUND
6	SHIELD	VIGN
7	SHIELD	REV LAMP RLY
8	SHIELD	CAN-L
9	SHIELD	STARTER RLY
10	SHIELD	GROUND

Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS06FW-M2



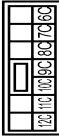
Terminal No.	Color Of Wire	Signal Name [Specification]
1A	V	-
2A	G	-
3A	L	-
4A	P	-
5A	Y	-
6A	Y	-
7A	R	-
8A	L	-

Connector No.	M2
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS10FW-C5



Terminal No.	Color Of Wire	Signal Name [Specification]
1B	SB	-
2B	L	-
3B	G	-
4B	BR	-
5B	RG	-
6B	Y	-
7B	R	-
8B	R	-
9B	SB	-

Connector No.	M3
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS12FW-C5



Terminal No.	Color Of Wire	Signal Name [Specification]
10C	L	-
11C	LG	-
12C	G	-
6C	SB	-
7C	B	-
8C	W	-
9C	BG	-

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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

BCM (BODY CONTROL MODULE)

Connector No.	M19
Connector Name	DIODE
Connector Type	24335.C0900



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

Connector No.	M20
Connector Name	TRUNK LID OPENER SWITCH
Connector Type	T044FW



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

Connector No.	M22
Connector Name	KEY SLOT
Connector Type	TH12FW-NH



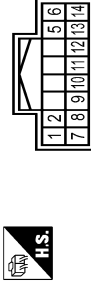
Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	BAT
2	GR	CGCK
3	W	DATA
5	Y	ILL BAT
6	LG	ILL
7	B	GROUND
11	SB	KEY SWITCH SIGNAL

Connector No.	M24
Connector Name	DATA LINK CONNECTOR
Connector Type	BD16FW-P



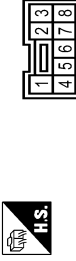
Terminal No.	Color Of Wire	Signal Name [Specification]
3	LG	-
4	B	-
5	B	-
6	L	-
7	V	-
8	SS	-
14	P	-
16	R	-

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



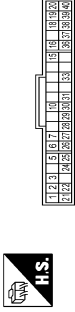
Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	FR WASHER (-)
2	SB	OUTPUT 3
3	GR	GROUND
5	B	GROUND
6	B	INPUT 3
7	EG	OUTPUT 5
8	BR	INPUT 2
9	W	INPUT 4
10	R	INPUT 1
11	LG	INPUT 1
12	P	INPUT 5
13	Y	INPUT 5
14	G	OUTPUT 2

Connector No.	M49
Connector Name	PUSH-BUTTON IGNITION SWITCH
Connector Type	TK08BER



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

Connector No.	M53
Connector Name	COMBINATION METER
Connector Type	SAB40FW



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	BATTERY POWER SUPPLY
2	LG	COMMUNICATION SIGNAL (METER-AMP)
3	GR	COMMUNICATION SIGNAL (AMP-METER)
5	B	GROUND
6	W	ALTERNATOR SIGNAL
7	LG	AIR BAG SIGNAL
10	W	SECURITY SIGNAL
15	B	GROUND
16	BR	METER CONTROL SWITCH GROUND
18	GR	ILL GND
19	B	ILL GND
20	R	ILL
21	G	IGNITION SIGNAL
22	B	GROUND
24	BR	COMMUNICATION SIGNAL (GPS-IMP)
25	GR	COMMUNICATION SIGNAL (AMP-LED)
26	R	VEHICLE SPEED SIGNAL (E-PHLS SE)
27	P	PARKING BRAKE SWITCH SIGNAL
28	SB	BRAKE FLUID LEVEL SWITCH
29	P	SEAT BELT BUCKLE SW SIGNAL (DRIVER SIDE)
30	G	SEAT BELT BUCKLE SWITCH SIGNAL (PASSENGER SIDE)
31	L	WASHER LEVEL SWITCH SIGNAL
33	R	ILLUMINATION CONTROL SIGNAL
36	LG	SELECT SWITCH SIGNAL
37	Y	ENTER SWITCH SIGNAL
38	G	TRIP A/B RESET SWITCH SIGNAL
39	P	ILLUMINATION CONTROL SWITCH SIGNAL (-)
40	EG	ILLUMINATION CONTROL SWITCH SIGNAL (+)

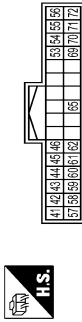
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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

BCM (BODY CONTROL MODULE)

Connector No.	M67
Connector Name	UNIFIED METER AND A.C. AMP.
Connector Type	TH82FW-4H



Terminal No.	Color Of Wire	Signal Name [Specification]
41	L	A.C. POWER SUPPLY
42	BR	FUEL LEVEL SENSOR SIGNAL
43	BL	IN-VEHICLE SENSOR SIGNAL
44	LG	IN-VEHICLE SENSOR SIGNAL
45	Y	AMBIENT SENSOR SIGNAL
46	V	SUNLOAD SENSOR SIGNAL
53	W	IGNITION POWER SUPPLY
54	SB	BATTERY POWER SUPPLY
55	B	GROUND
56	L	CAN-H
57	LG	BRAKE FLUID LEVEL SWITCH
58	Y	FUEL LEVEL SENSOR GROUND
59	GR	INTAKE SENSOR GROUND
60	W	IN-VEHICLE SENSOR GROUND
61	B	AMBIENT SENSOR GROUND
62	BR	SUNLOAD SENSOR GROUND
66	PG	ECU CAN SIGNAL
68	P	A/C CLAR SIGNAL
70	R	EACH DOOR MOTOR POWER SUPPLY
71	GR	GROUND
72	P	CAN-L

Connector No.	MT2
Connector Name	MULTIFUNCTION SWITCH
Connector Type	TH16FW-4H



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	GROUND
2	BG	ACC
3	BL	ILL CONT
4	BR	AV COMM (H)
5	B	AV COMM (L)
6	SB	SW GND
7	LG	DISK EJECT SIGNAL
8	L	HAZARD ON
9	BR	
10	V	
11	W	
12	Y	
13	B	
14	BL	
15	BR	
16	G	

Connector No.	M64
Connector Name	OPTICAL SENSOR
Connector Type	TK63FW



Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	POWER
2	BG	OUTPUT
3	B	GROUND

Connector No.	M101
Connector Name	TIRE PRESSURE RECEIVER
Connector Type	TK64FW



Terminal No.	Color Of Wire	Signal Name [Specification]
1	P	GROUND
2	L	SIGNAL
3	V	BATTERY
4	Y	

Connector No.	M104
Connector Name	REMOTE KEYLESS ENTRY RECEIVER
Connector Type	JAB64FB



Terminal No.	Color Of Wire	Signal Name [Specification]
1	BG	GROUND
2	Y	SIGNAL OUTPUT
3	BG	BATTERY
4	P	

Connector No.	M105
Connector Name	TRUNK LID OPENER CANCEL SWITCH
Connector Type	SJ2FW



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

Connector No.	M118
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	MD3FB-LC



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	BAT.(E/L)
2	Y	POWER WINDOW POWER SUPPLY (BAT)
3	BG	POWER WINDOW POWER SUPPLY (RAMP)

JRMWF9511GB

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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

BCM (BODY CONTROL MODULE)

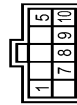
7	V	-
8	G	-
9	S	-
10	GR	-
11	R	-

Connector No.	M146
Connector Name	INSIDE KEY ANTENNA (CONSOLE)
Connector Type	RK02FGY



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

Connector No.	R4
Connector Name	SUNROOF MOTOR ASSEMBLY
Connector Type	YEA1BEGY



Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	SW-BIT 1
5	P	SW-BIT -
7	BR	IB
8	V	SPEED SENSOR (2P)
9	Y	THICK (30V)
10	G	GROUND

Connector No.	RI2
Connector Name	VANITY MIRROR LAMP LH
Connector Type	MCAGFW



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

Connector No.	RI3
Connector Name	VANITY MIRROR LAMP RH
Connector Type	MCAGUFW



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

Connector No.	RI4
Connector Name	PERSONAL LAMP
Connector Type	TB0FW-NH



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

Connector No.	RI5
Connector Name	MAP LAMP
Connector Type	TK0BFCY



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

Fail-safe

FAIL-SAFE CONTROL BY DTC

BCM performs fail-safe control when any DTC are detected.

JRMWF9513GB

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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Display contents of CONSULT	Fail-safe	Cancellation
B2190: NATS ANTENNA AMP	Inhibit engine cranking	Erase DTC
B2191: DIFFERENCE OF KEY	Inhibit engine cranking	Erase DTC
B2192: ID DISCORD BCM-ECM	Inhibit engine cranking	Erase DTC
B2193: CHAIN OF BCM-ECM	Inhibit engine cranking	Erase DTC
B2195: ANTI-SCANNING	Inhibit engine cranking	Ignition switch ON → OFF
B2560: STARTER CONT RELAY	Inhibit engine cranking	500 ms after the following CAN signal communication status becomes consistent <ul style="list-style-type: none"> • Starter control relay signal • Starter relay status signal
B2608: STARTER RELAY	Inhibit engine cranking	500 ms after the following signal communication status becomes consistent <ul style="list-style-type: none"> • Starter motor relay control signal • Starter relay status signal (CAN)
B260A: IGNITION RELAY	Inhibit engine cranking	500 ms after the following conditions are fulfilled <ul style="list-style-type: none"> • IGN relay (IPDM E/R) control signal: OFF (12 V) • Ignition ON signal (CAN to IPDM E/R): OFF (Request signal) • Ignition ON signal (CAN from IPDM E/R): OFF (Condition signal)
B260F: ENG STATE SIG LOST	Maintains the power supply position attained at the time of DTC detection	When any of the following conditions are fulfilled <ul style="list-style-type: none"> • Power position changes to ACC • Receives engine status signal (CAN)
B2617: BCM	Inhibit engine cranking	1 second after the starter motor relay control inside BCM becomes normal
B2618: BCM	Inhibit engine cranking	1 second after the ignition relay (IPDM E/R) control inside BCM becomes normal
B261E: VEHICLE TYPE	Inhibit engine cranking	BCM initialization

DTC Inspection Priority Chart

INFOID:000000011405837

If some DTCs are displayed at the same time, perform inspections one by one based on the following priority chart.

Priority	DTC
1	B2562: LOW VOLTAGE
2	<ul style="list-style-type: none"> • U1000: CAN COMM • U1010: CONTROL UNIT(CAN)
3	<ul style="list-style-type: none"> • B2190: NATS ANTENNA AMP • B2191: DIFFERENCE OF KEY • B2192: ID DISCORD BCM-ECM • B2193: CHAIN OF BCM-ECM • B2195: ANTI-SCANNING

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Priority	DTC	
4	• B2553: IGNITION RELAY	A
	• B2555: STOP LAMP	
	• B2556: PUSH-BTN IGN SW	
	• B2557: VEHICLE SPEED	B
	• B2560: STARTER CONT RELAY	
	• B2601: SHIFT POSITION	
	• B2602: SHIFT POSITION	
	• B2603: SHIFT POSI STATUS	C
	• B2604: PNP/CLUTCH SW	
	• B2605: PNP/CLUTCH SW	
	• B2608: STARTER RELAY	
	• B260A: IGNITION RELAY	D
	• B260F: ENG STATE SIG LOST	
	• B2614: BCM	
	• B2615: BCM	
	• B2616: BCM	E
	• B2617: BCM	
	• B2618: BCM	
	• B261A: PUSH-BTN IGN SW	F
	• B261E: VEHICLE TYPE	
• B26EA: KEY REGISTRATION		
• C1729: VHCL SPEED SIG ERR		
• U0415: VEHICLE SPEED	G	
5	• C1704: LOW PRESSURE FL	
	• C1705: LOW PRESSURE FR	
	• C1706: LOW PRESSURE RR	
	• C1707: LOW PRESSURE RL	H
	• C1708: [NO DATA] FL	
	• C1709: [NO DATA] FR	
	• C1710: [NO DATA] RR	
	• C1711: [NO DATA] RL	I
	• C1716: [PRESSDATA ERR] FL	
	• C1717: [PRESSDATA ERR] FR	
	• C1718: [PRESSDATA ERR] RR	J
	• C1719: [PRESSDATA ERR] RL	
	• C1734: CONTROL UNIT	
6	• B2621: INSIDE ANTENNA	K
	• B2622: INSIDE ANTENNA	
	• B2623: INSIDE ANTENNA	

DTC Index

INFOID:000000011405838

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NOTE:

The details of time display are as follows.

- CRNT: A malfunction is detected now.
- PAST: A malfunction was detected in the past.

IGN counter is displayed on Freeze Frame Data. For details of Freeze Frame Data, refer to [BCS-16. "COMMON ITEM : CONSULT Function \(BCM - COMMON ITEM\)"](#).

CONSULT display	Fail-safe	Freeze Frame Data •Vehicle Speed •Odo/Trip Meter •Vehicle condition	Intelligent Key warning lamp ON	Tire pressure monitor warning lamp ON	Reference
No DTC is detected. further testing may be required.	—	—	—	—	—
U1000: CAN COMM	—	—	—	—	BCS-36
U1010: CONTROL UNIT(CAN)	—	—	—	—	BCS-37
U0415: VEHICLE SPEED	—	—	—	—	BCS-38
B2190: NATS ANTENNA AMP	×	—	—	—	SEC-43

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

CONSULT display	Fail-safe	Freeze Frame Data •Vehicle Speed •Odo/Trip Meter •Vehicle condition	Intelligent Key warning lamp ON	Tire pressure monitor warning lamp ON	Reference
B2191: DIFFERENCE OF KEY	×	—	—	—	SEC-46
B2192: ID DISCORD BCM-ECM	×	—	—	—	SEC-47
B2193: CHAIN OF BCM-ECM	×	—	—	—	SEC-49
B2195: ANTI-SCANNING	×	—	—	—	SEC-50
B2553: IGNITION RELAY	—	×	—	—	PCS-49
B2555: STOP LAMP	—	×	—	—	SEC-51
B2556: PUSH-BTN IGN SW	—	×	×	—	SEC-53
B2557: VEHICLE SPEED	×	×	×	—	SEC-55
B2560: STARTER CONT RELAY	×	×	×	—	SEC-56
B2562: LOW VOLTAGE	—	×	—	—	BCS-39
B2601: SHIFT POSITION	×	×	×	—	SEC-57
B2602: SHIFT POSITION	×	×	×	—	SEC-60
B2603: SHIFT POSI STATUS	×	×	×	—	SEC-63
B2604: PNP/CLUTCH SW	×	×	×	—	SEC-66
B2605: PNP/CLUTCH SW	×	×	×	—	SEC-68
B2608: STARTER RELAY	×	×	×	—	SEC-70
B260A: IGNITION RELAY	×	×	×	—	PCS-51
B260F: ENG STATE SIG LOST	×	×	×	—	SEC-72
B2614: BCM	—	×	×	—	PCS-53
B2615: BCM	—	×	×	—	PCS-55
B2616: BCM	—	×	×	—	PCS-57
B2617: BCM	×	×	×	—	SEC-74
B2618: BCM	×	×	×	—	PCS-59
B261A: PUSH-BTN IGN SW	—	×	×	—	PCS-60
B261E: VEHICLE TYPE	×	×	× (Turn ON for 15 seconds)	—	SEC-76
B2621: INSIDE ANTENNA	—	×	—	—	DLK-59
B2622: INSIDE ANTENNA	—	×	—	—	DLK-61
B2623: INSIDE ANTENNA	—	×	—	—	DLK-63
B26EA: KEY REGISTRATION	—	×	× (Turn ON for 15 seconds)	—	SEC-73
C1704: LOW PRESSURE FL	—	—	—	×	WT-25
C1705: LOW PRESSURE FR	—	—	—	×	
C1706: LOW PRESSURE RR	—	—	—	×	
C1707: LOW PRESSURE RL	—	—	—	×	
C1708: [NO DATA] FL	—	—	—	×	WT-27
C1709: [NO DATA] FR	—	—	—	×	
C1710: [NO DATA] RR	—	—	—	×	
C1711: [NO DATA] RL	—	—	—	×	
C1716: [PRESSDATA ERR] FL	—	—	—	×	WT-30
C1717: [PRESSDATA ERR] FR	—	—	—	×	
C1718: [PRESSDATA ERR] RR	—	—	—	×	
C1719: [PRESSDATA ERR] RL	—	—	—	×	

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

CONSULT display	Fail-safe	Freeze Frame Data •Vehicle Speed •Odo/Trip Meter •Vehicle condition	Intelligent Key warning lamp ON	Tire pressure monitor warning lamp ON	Reference
C1729: VHCL SPEED SIG ERR	—	—	—	×	WT-31
C1734: CONTROL UNIT	—	—	—	×	WT-32

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INTERIOR LIGHTING SYSTEM SYMPTOMS

< SYMPTOM DIAGNOSIS >

SYMPTOM DIAGNOSIS

INTERIOR LIGHTING SYSTEM SYMPTOMS

Symptom Table

INFOID:000000010988750

CAUTION:

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

Symptom	Possible cause	Inspection item
All the following lamps do not turn ON. <ul style="list-style-type: none"> • Map lamp • Personal lamp • Trunk room lamp • Step lamp • Vanity mirror 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-21 .
<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-66 . Interior room lamp control circuit Refer to INL-23 .
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-17 .
Step lamps (driver side and passenger side) do not turn ON. (Map lamp and personal lamp turn ON.) Step lamps (driver side and passenger side) do not turn OFF. (Map lamp and personal lamp turn OFF.)	<ul style="list-style-type: none"> • Harness between BCM and each step lamp • BCM 	Step lamp circuit Refer to INL-25 .
<ul style="list-style-type: none"> • Trunk room lamp does not turn ON. (Bulb is normal.) • Trunk room lamp does not turn OFF. 	<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-78 . Trunk room lamp circuit Refer to INL-27 .
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-29 .
Interior room lamp battery saver does not activate.	—	Check the interior room lamp battery saver setting. Refer to INL-18 .

PRECAUTIONS

< PRECAUTION >

PRECAUTION

PRECAUTIONS

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

INFOID:000000010988751

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

WARNING:

Always observe the following items for preventing accidental activation.

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

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

WARNING:

Always observe the following items for preventing accidental activation.

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

Precautions For Xenon Headlamp Service

INFOID:000000011299968

WARNING:

Comply with the following warnings to prevent any serious accident.

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

CAUTION:

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

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

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PRECAUTIONS

< PRECAUTION >

Precautions for Removing Battery Terminal

INFOID:000000011405839

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

NOTE:

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

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

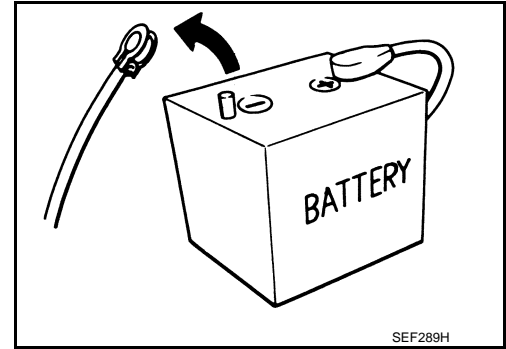
NOTE:

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

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

NOTE:

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



MAP LAMP

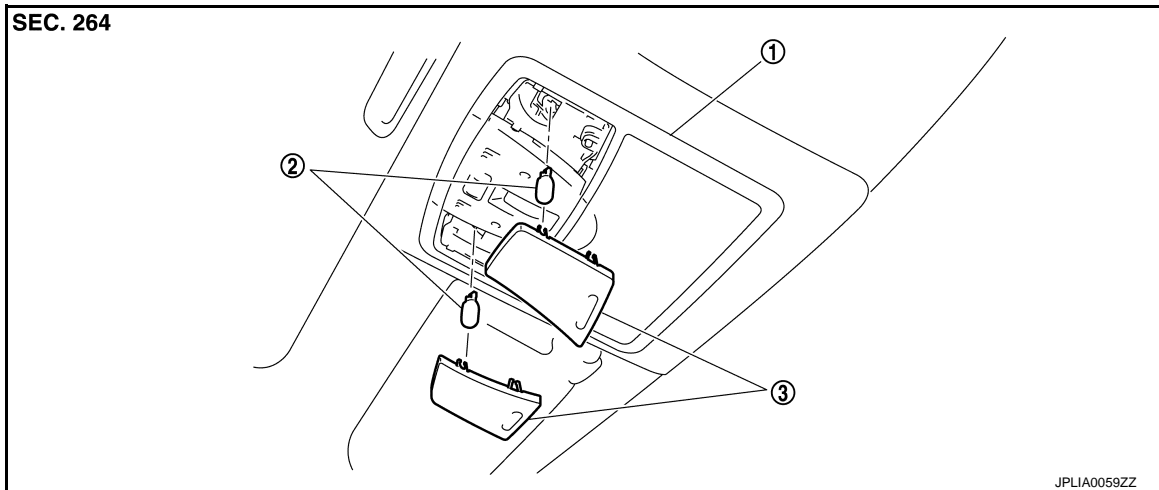
< REMOVAL AND INSTALLATION >

REMOVAL AND INSTALLATION

MAP LAMP

Exploded View

INFOID:0000000010988752



1. Map lamp assembly

2. Bulb

3. Lens

Removal and Installation

INFOID:0000000010988753

Refer to [INL-97. "Exploded View"](#) for the map lamp assembly installation/removal.

Replacement

INFOID:0000000010988754

CAUTION:

- **Disconnect negative battery 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. Remove the lens.
2. Remove the bulb.

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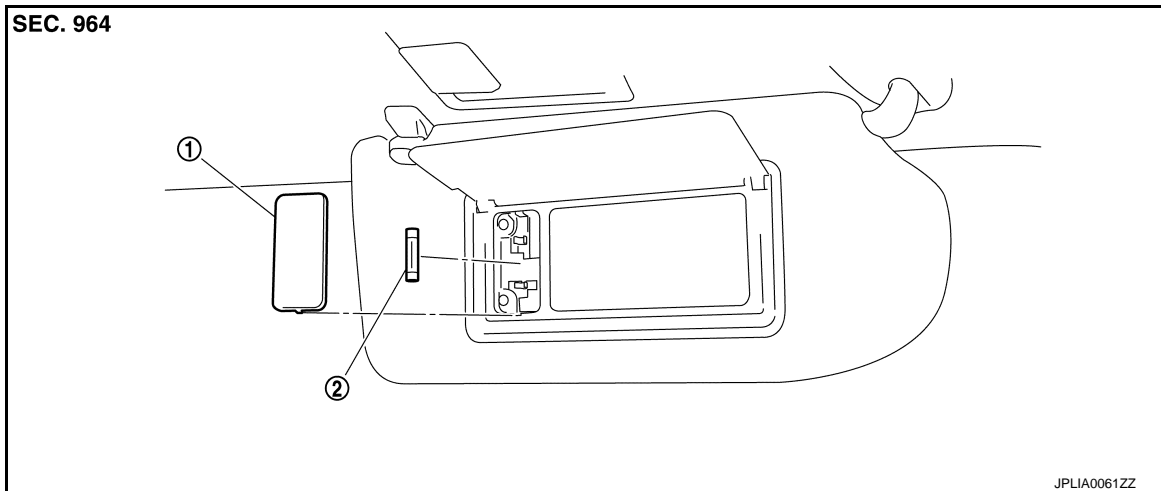
VANITY MIRROR LAMP

< REMOVAL AND INSTALLATION >

VANITY MIRROR LAMP

Exploded View

INFOID:000000010988755



1. Lens

2. Bulb

Replacement

INFOID:000000010988756

CAUTION:

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

VANITY MIRROR LAMP BULB

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

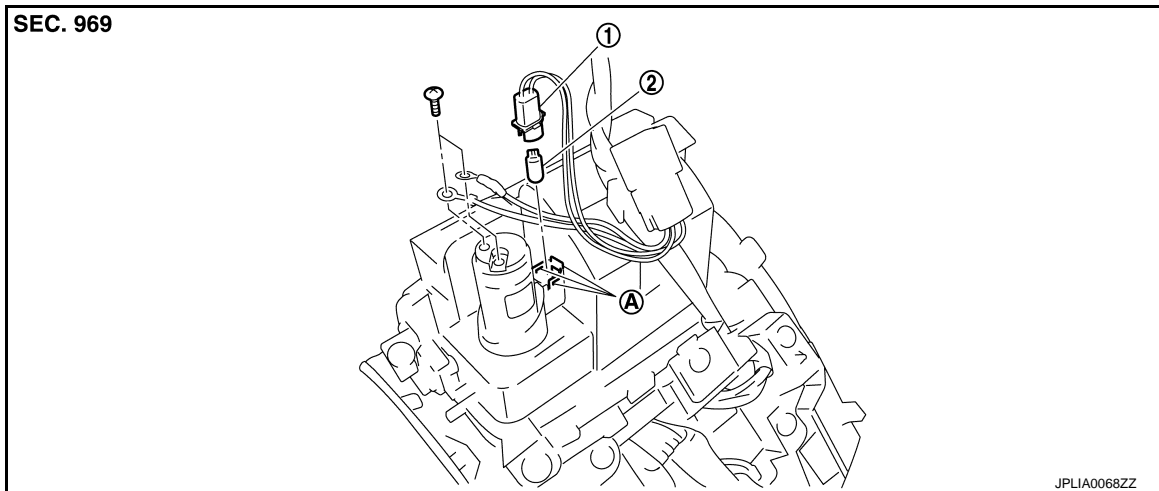
CIGARETTE LIGHTER ILLUMINATION

< REMOVAL AND INSTALLATION >

CIGARETTE LIGHTER ILLUMINATION

Exploded View

INFOID:000000010988757



1. Bulb socket
2. Bulb
(Share with the ashtray illumination)
- A. Hooks

Replacement

INFOID:000000010988758

CAUTION:

- Disconnect negative battery 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.

CIGARETTE LIGHTER ILLUMINATION BULB

1. Remove the console finisher. Refer to [JP-22. "Exploded View"](#).
2. Insert any appropriate tool into the gap of the bulb socket. Widen the hooks and remove the bulb socket.
3. Remove the bulb.

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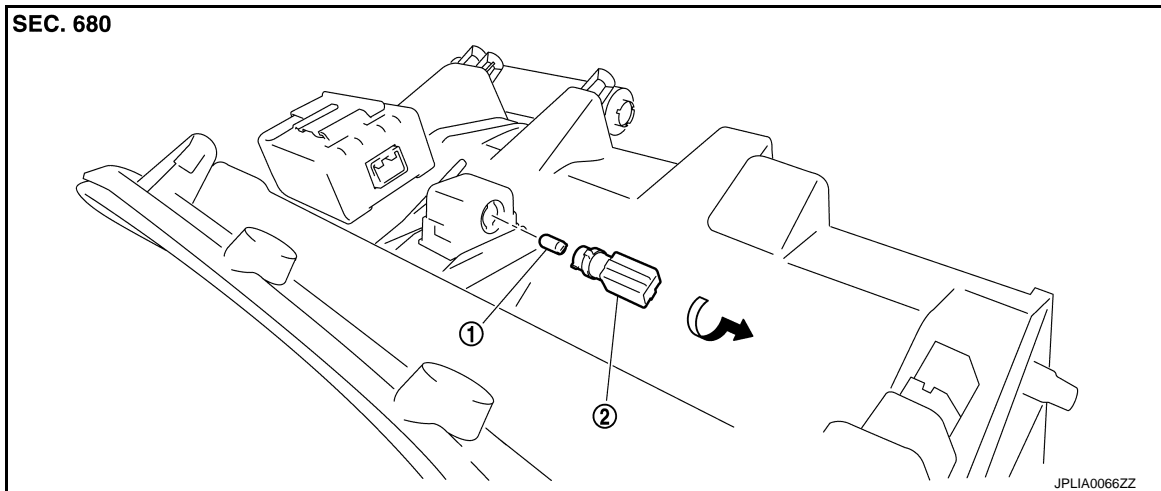
GLOVE BOX LAMP

< REMOVAL AND INSTALLATION >

GLOVE BOX LAMP

Exploded View

INFOID:000000010988759



1. Bulb

2. Bulb socket

Replacement

INFOID:000000010988760

CAUTION:

- Disconnect negative battery 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 the instrument assist lower panel. Refer to [IP-12, "Exploded View"](#).
2. Rotate the bulb socket counterclockwise and unlock it.
3. Remove the bulb.

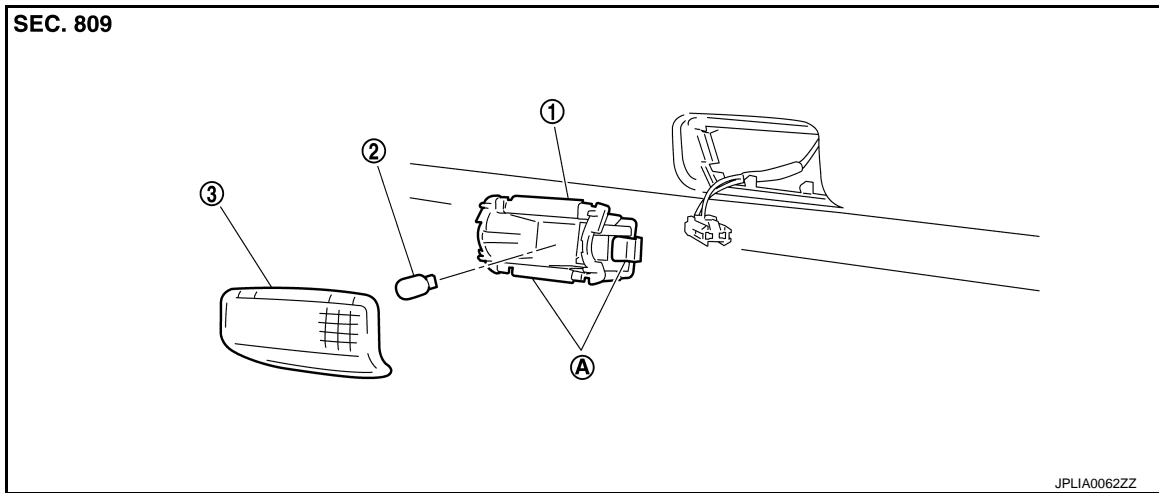
STEP LAMP

< REMOVAL AND INSTALLATION >

STEP LAMP

Exploded View

INFOID:000000010988761



1. Step lamp case
2. Bulb
3. Lens
- A. Metal clip

Removal and Installation

INFOID:000000010988762

CAUTION:

Disconnect the battery negative terminal or remove the fuse.

REMOVAL

1. Insert any appropriate tool into the gap between the step lamp and the door trim. Remove the step lamp.
2. Disconnect the connector.

INSTALLATION

Install in the reverse order of removal.

Replacement

INFOID:000000010988763

CAUTION:

- **Disconnect negative battery 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. Remove the step lamp. Refer to [INL-101, "Exploded View"](#).
2. Remove the lens.
3. Remove the bulb.

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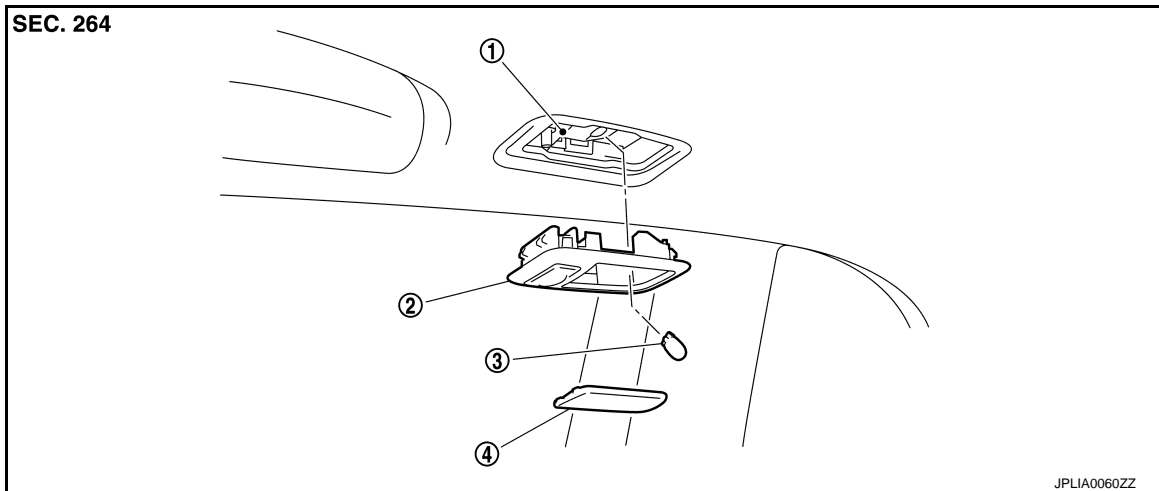
PERSONAL LAMP

< REMOVAL AND INSTALLATION >

PERSONAL LAMP

Exploded View

INFOID:000000010988764



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

NOTE:

Replace the personal lamp case as a set (right and left). Before installing the headlining assembly, remove the personal lamp case. Refer to [INL-102, "Removal and Installation"](#).

Removal and Installation

INFOID:000000010988765

CAUTION:

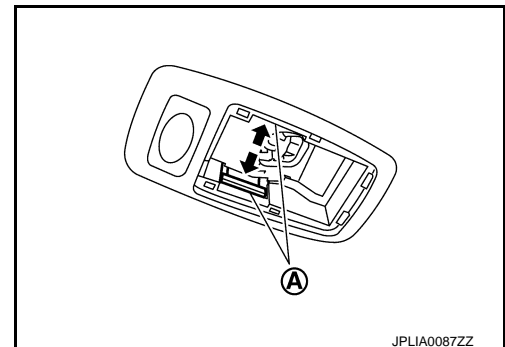
Disconnect the battery negative terminal or remove the fuse.

REMOVAL

1. Insert any appropriate tool into the gap between the lens. Remove the lens.
2. Press the both side pawls (A) to the arrow direction (←). Remove the personal lamp finisher.

NOTE:

Replace the personal lamp case as a set (right and left). Remove the personal lamp case after installing the headlining assembly. Refer to [INT-24, "NORMAL ROOF : Exploded View"](#) (normal roof), [INT-27, "SUNROOF : Exploded View"](#) (sun roof).



INSTALLATION

Install in the reverse order of removal.

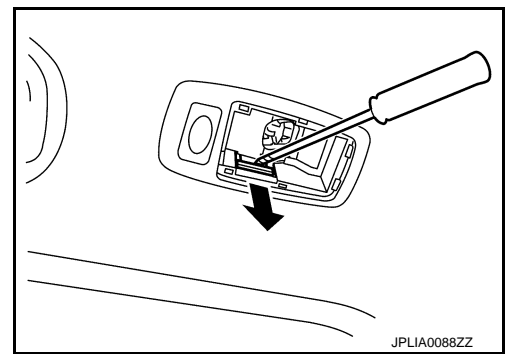
NOTE:

The following is easier to install the personal lamp finisher with the headlining installed.

PERSONAL LAMP

< REMOVAL AND INSTALLATION >

- Press the personal lamp finisher to the headlining. Pull the personal lamp case pawl to the arrow direction (←) with any appropriate tool.



Replacement

CAUTION:

- **Disconnect negative battery 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 BULB

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

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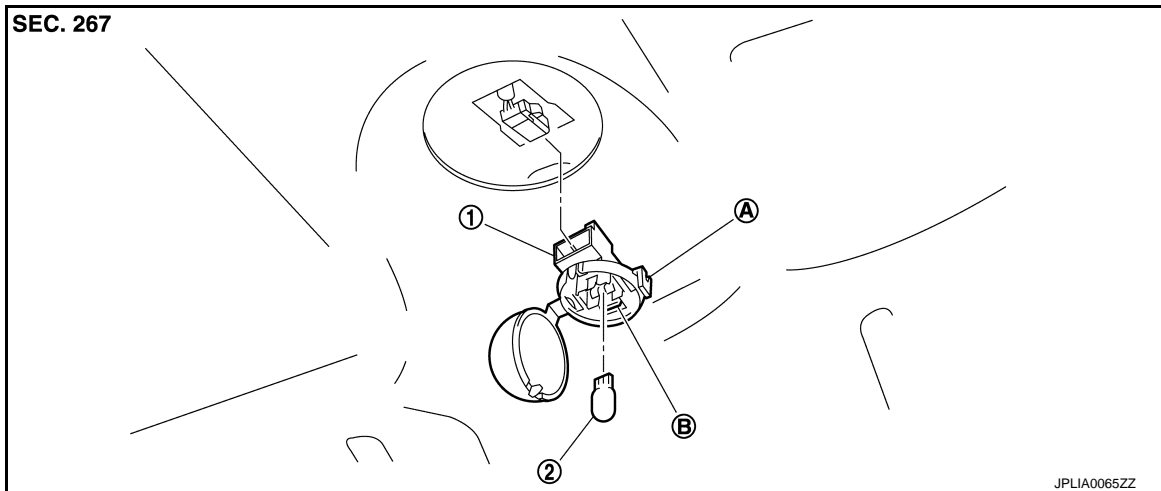
TRUNK ROOM LAMP

< REMOVAL AND INSTALLATION >

TRUNK ROOM LAMP

Exploded View

INFOID:000000010988767



- | | |
|---------------------------|---------------------------------|
| 1. Trunk room lamp | 2. Bulb |
| A. Pawl (for lens fixing) | B. Pawl (for case installation) |

Removal and Installation

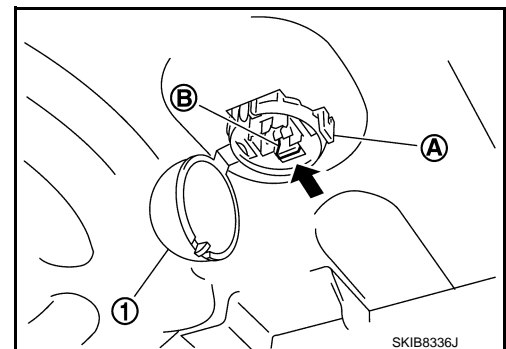
INFOID:000000010988768

CAUTION:

Disconnect the battery negative terminal or remove the fuse.

REMOVAL

1. Widen the pawl (A). Open the lens (1).
2. Remove the bulb.
3. Pressing the pawl (B) to the arrow direction (←). Pull out the trunk room lamp.
4. Disconnect the connector.
5. Remove the trunk room lamp.



INSTALLATION

Install in the reverse order of removal.

Replacement

INFOID:000000010988769

CAUTION:

- **Disconnect negative battery 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. Widen the lens pawl. Open the lens.
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:0000000010988770

Item	Type	Wattage (W)
Push-button ignition switch illumination	LED	—
Map lamp	Wedge	8
Center console indirect illumination (Integrated into the map lamp assembly)	LED	—
Vanity mirror lamp	—	2
Glove box lamp	—	1.4
Cigarette lighter illumination (Shared with ash tray illumination)	—	1.4
Step lamp	Wedge	8
Personal lamp	Wedge	8
Trunk room lamp	Wedge	3.4

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