

INL

SECTION

INTERIOR LIGHTING SYSTEM

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DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

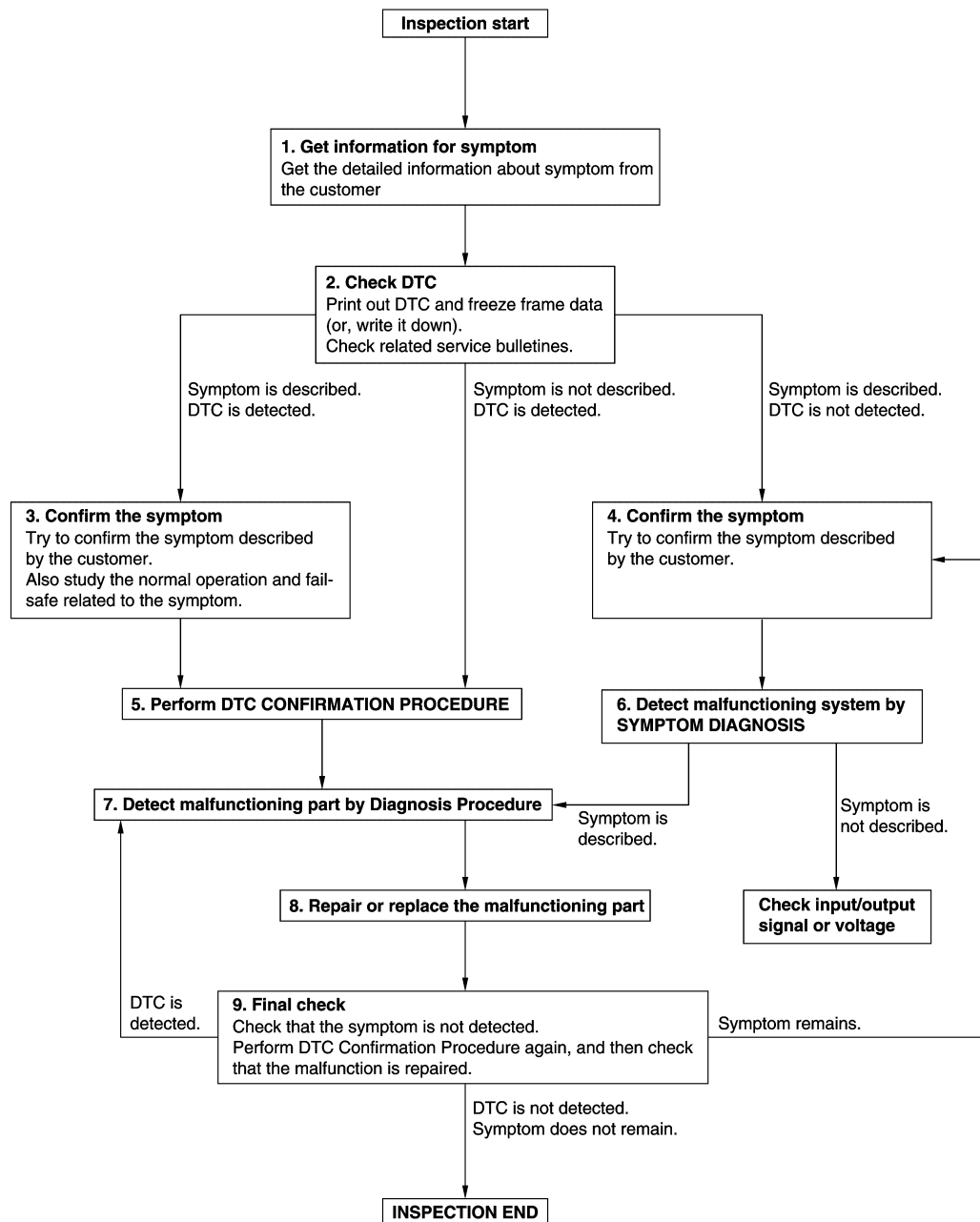
BASIC INSPECTION

DIAGNOSIS AND REPAIR WORK FLOW

Work Flow

INFOID:0000000011043797

OVERALL SEQUENCE



DETAILED FLOW

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-45. "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-45. "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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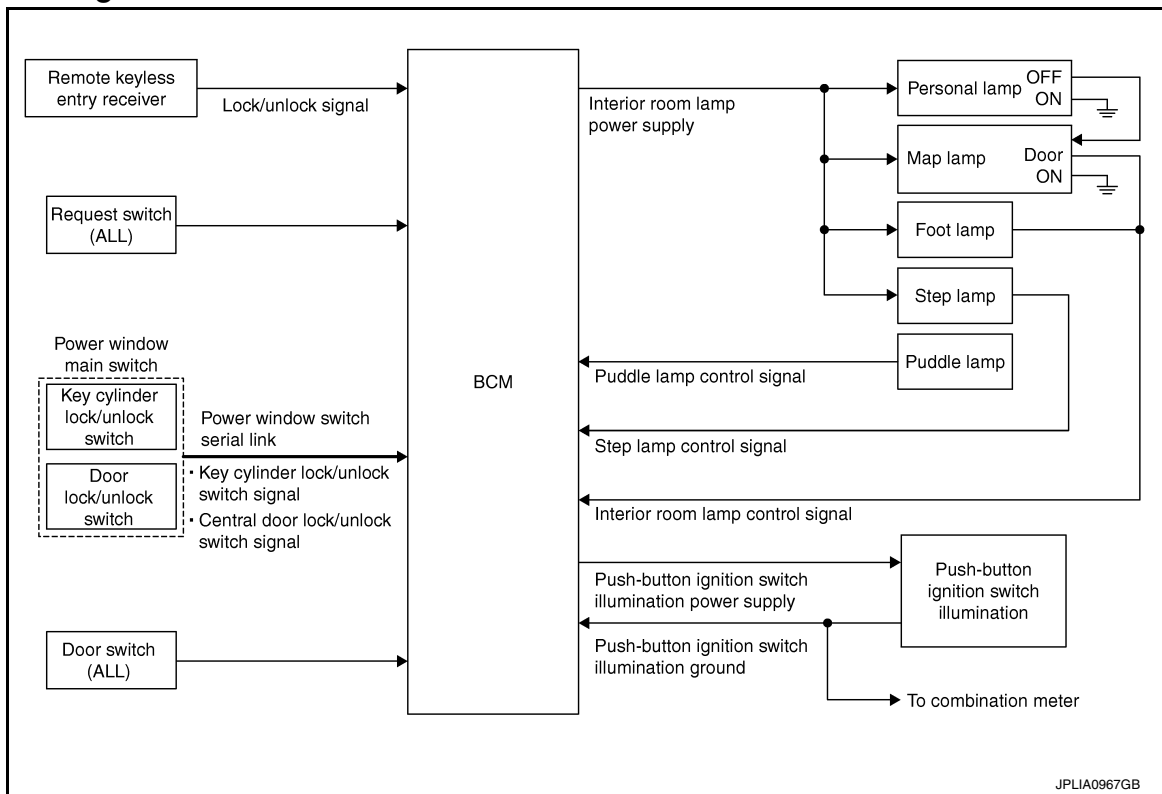
INTERIOR ROOM LAMP CONTROL SYSTEM

< SYSTEM DESCRIPTION >

SYSTEM DESCRIPTION

INTERIOR ROOM LAMP CONTROL SYSTEM

System Diagram



System Description

INFOID:0000000010594114

OUTLINE

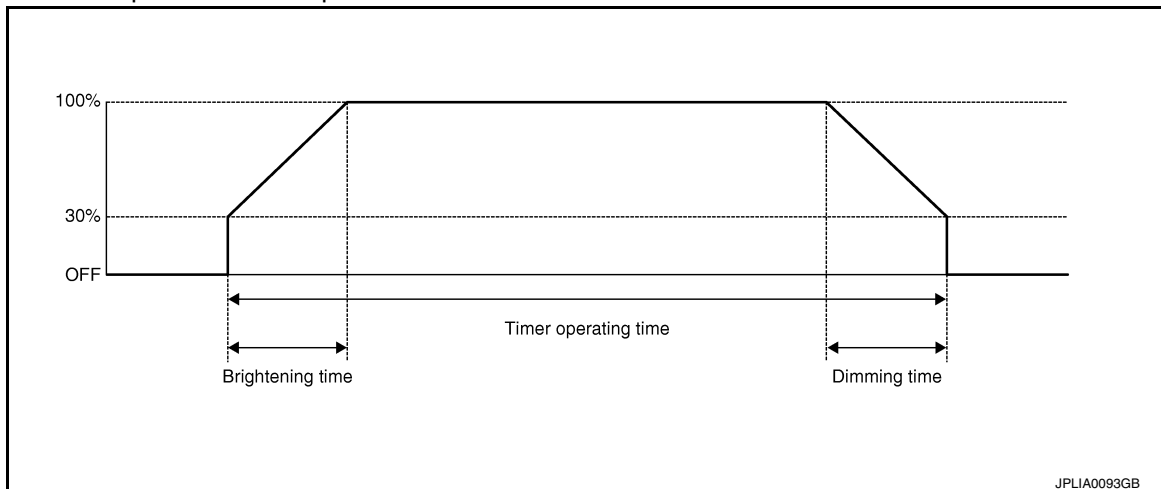
- Interior room lamps* are controlled by interior room lamp timer control function of BCM.
 - *: Map lamp, foot lamp and personal lamp (when map lamp switch is in DOOR position).
- Step lamp is controlled by step lamp control function of BCM.
- Puddle lamp is controlled by puddle lamp timer control function of BCM.
- Push-button ignition switch illumination is controlled by the push-button ignition switch illumination control function of BCM.
- Interior room lamps and puddle lamp are illuminated by welcome light function of Intelligent Key system.
Refer to [DLK-33. "WELCOME LIGHT FUNCTION : System Description"](#).

INTERIOR ROOM LAMP TIMER CONTROL

INTERIOR ROOM LAMP CONTROL SYSTEM

< SYSTEM DESCRIPTION >

Interior Room Lamp Timer Basic Operation



- The interior room lamp turns ON and OFF (gradual brightening and dimming) by the interior room lamp timer.
- BCM judges the vehicle condition with the following items. It activates the interior room 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 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 turn the interior room lamp OFF.

- The interior room lamp 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.

STEP LAMP CONTROL

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

PUDDLE LAMP TIMER CONTROL

Puddle Lamp Timer Basic Operation

- BCM controls the ground to turn the puddle lamp ON.
- The puddle lamp turns ON and OFF by the puddle lamp timer.
- BCM judges the vehicle condition with the following items. It activates the puddle lamp 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)

Puddle Lamp ON Operation

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

- Any door opens.
- Any door opens before all doors close.
- Ignition switch is turned ON → OFF.

INTERIOR ROOM LAMP CONTROL SYSTEM

< SYSTEM DESCRIPTION >

- 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.

Puddle Lamp OFF Operation

BCM stops the timer in any of the following conditions to turn the puddle lamp OFF.

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

PUSH-BUTTON IGNITION SWITCH ILLUMINATION CONTROL

Push-button Ignition Switch Illumination Basic Operation

- BCM 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.

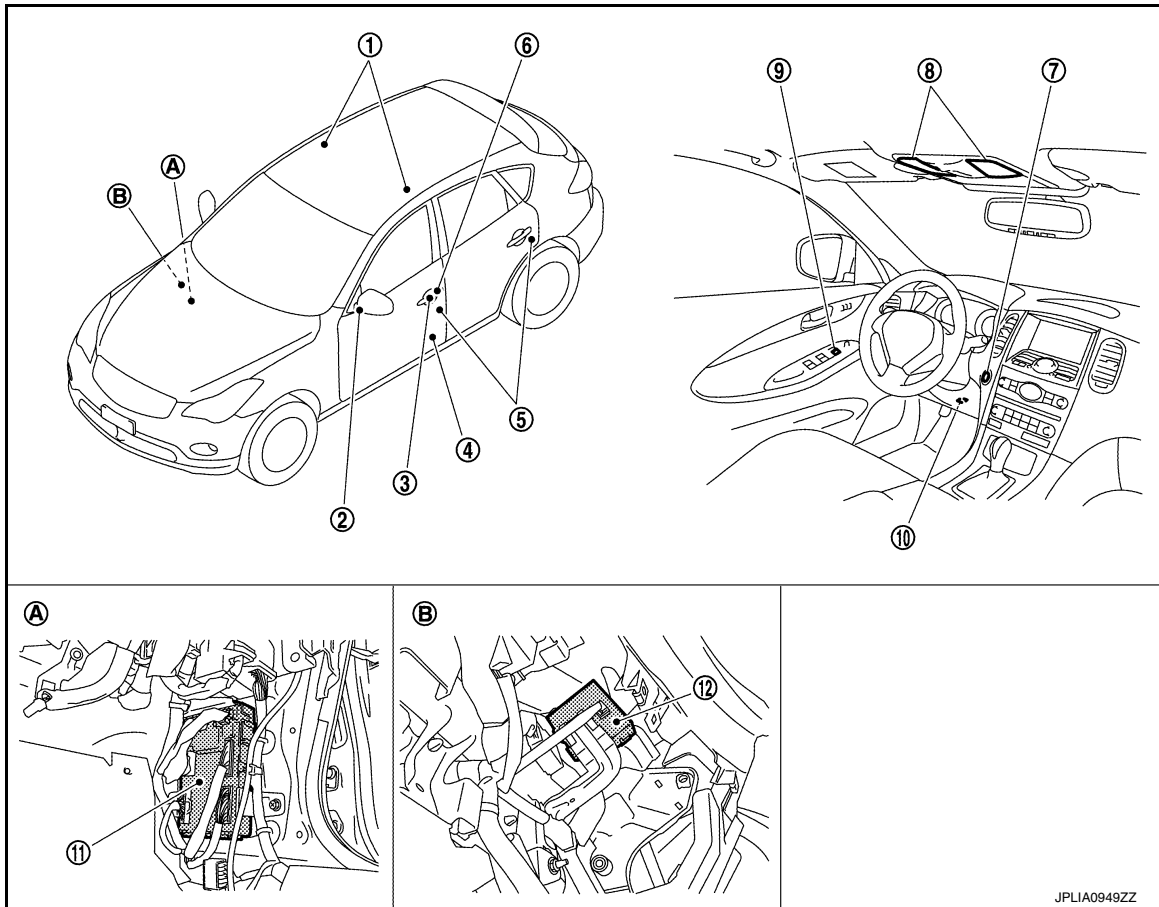
- The push-button ignition switch illumination ON conditions do not satisfy.
- All of the following conditions with ignition switch OFF
 - Each illumination (tail lamp) OFF
 - The push-button ignition switch illumination ON conditions do not change (15 seconds after the ignition switch OFF) or the driver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

INTERIOR ROOM LAMP CONTROL SYSTEM

< SYSTEM DESCRIPTION >

Component Parts Location

INFOID:0000000010594115



- | | | |
|---|-----------------------|------------------------------------|
| 1. Personal lamp | 2. Puddle lamp | 3. Request switch |
| 4. Step lamp | 5. Door switch | 6. Key cylinder lock/unlock switch |
| 7. Push-button ignition switch illumination | 8. Map lamp | 9. Door lock/unlock switch |
| 10. Foot lamp | 11. BCM | 12. Remote keyless entry receiver |
| A. Dash side lower (passenger side) | B. Over the glove box | |

Component Description

INFOID:0000000010594116

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. Activates the puddle lamp timer depending on the vehicle condition to turn the puddle lamp ON/OFF. Turns the step lamp ON/OFF according to any door switch status.
Remote keyless entry receiver	<ul style="list-style-type: none"> Receives the lock/unlock signal from keyfob. Transmits the lock/unlock signal to BCM.
<ul style="list-style-type: none"> Request switch Key cylinder lock/unlock switch Door lock/unlock switch 	Inputs the lock/unlock signal to BCM.
Door switch	Inputs the door switch signal to BCM.

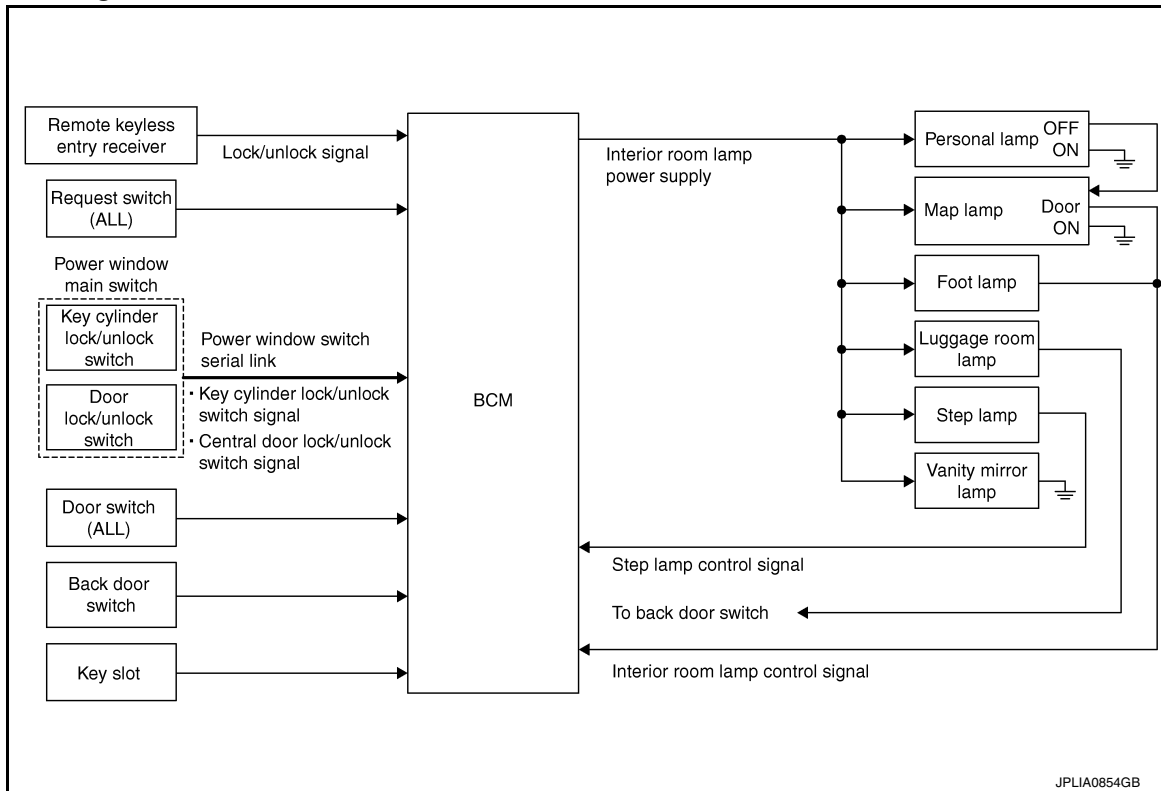
INTERIOR ROOM LAMP BATTERY SAVER SYSTEM

< SYSTEM DESCRIPTION >

INTERIOR ROOM LAMP BATTERY SAVER SYSTEM

System Diagram

INFOID:0000000010594117



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System Description

INFOID:0000000010594118

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
- Foot lamp
- Personal lamp
- Step lamp
- Luggage 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)
 - Back door 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:

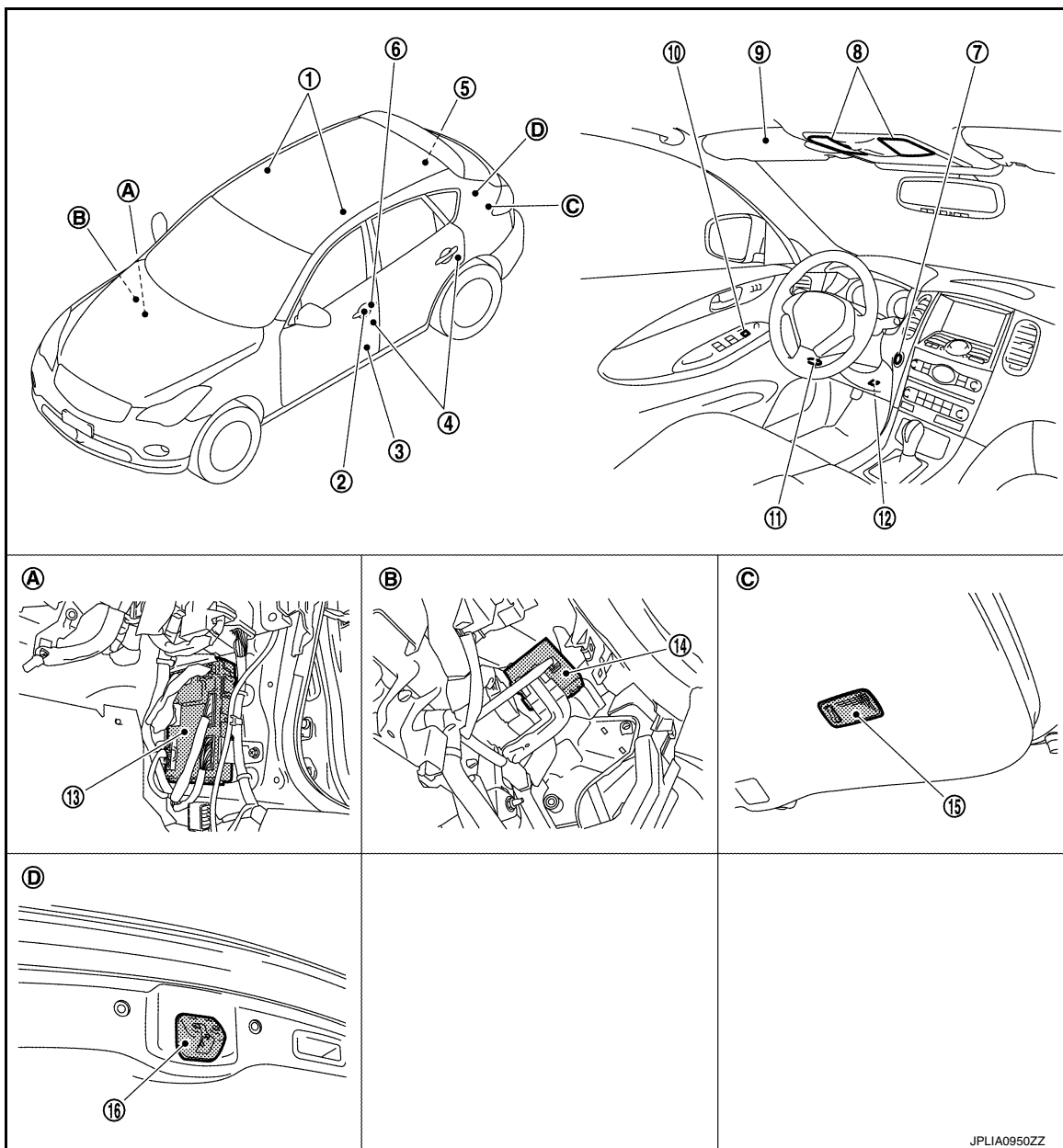
Each function of interior room lamp battery saver can be set by CONSULT. Refer to [INL-18. "BATTERY SAVER : CONSULT Function \(BCM - BATTERY SAVER\)"](#).

INTERIOR ROOM LAMP BATTERY SAVER SYSTEM

< SYSTEM DESCRIPTION >

Component Parts Location

INFOID:0000000010594119



- | | | |
|-------------------------------------|-------------------------------------|--|
| 1. Personal lamp | 2. Request switch | 3. Step lamp |
| 4. Door switch | 5. Luggage room lamp (luggage side) | 6. Key cylinder lock/unlock switch |
| 7. Push-button ignition switch | 8. Map lamp | 9. Vanity mirror lamp |
| 10. Door lock/unlock switch | 11. Foot lamp | 12. Key slot |
| 13. BCM | 14. Remote keyless entry receiver | 15. Luggage room lamp (back door side) |
| 16. Back door switch | | |
| A. Dash side lower (passenger side) | B. Over the glove box | C. Back door |
| D. Back door lock assembly | | |

INTERIOR ROOM LAMP BATTERY SAVER SYSTEM

< SYSTEM DESCRIPTION >

Component Description

INFOID:0000000010594120

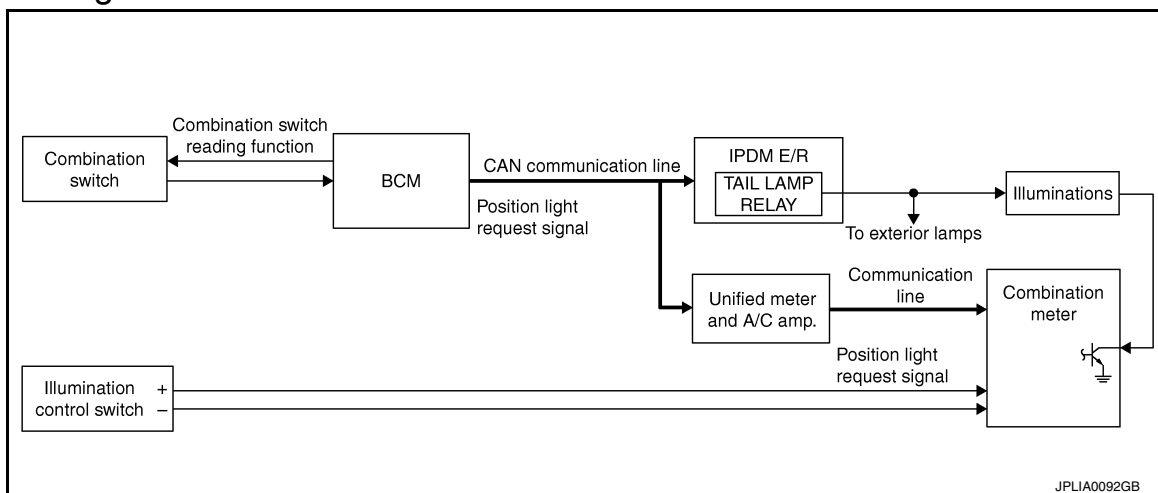
Part	Description
BCM	Operates the interior room lamp battery saver depending on the vehicle condition to cut the interior room lamp power supply.
Remote keyless entry receiver	<ul style="list-style-type: none">• Receives the lock/unlock signal from keyfob.• Transmits the lock/unlock signal to BCM.
<ul style="list-style-type: none">• Request switch• Key cylinder lock/unlock switch• Door lock/unlock switch	Inputs the lock/unlock signal to BCM.
<ul style="list-style-type: none">• Door switch• Back door 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:000000010594122

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-27, "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

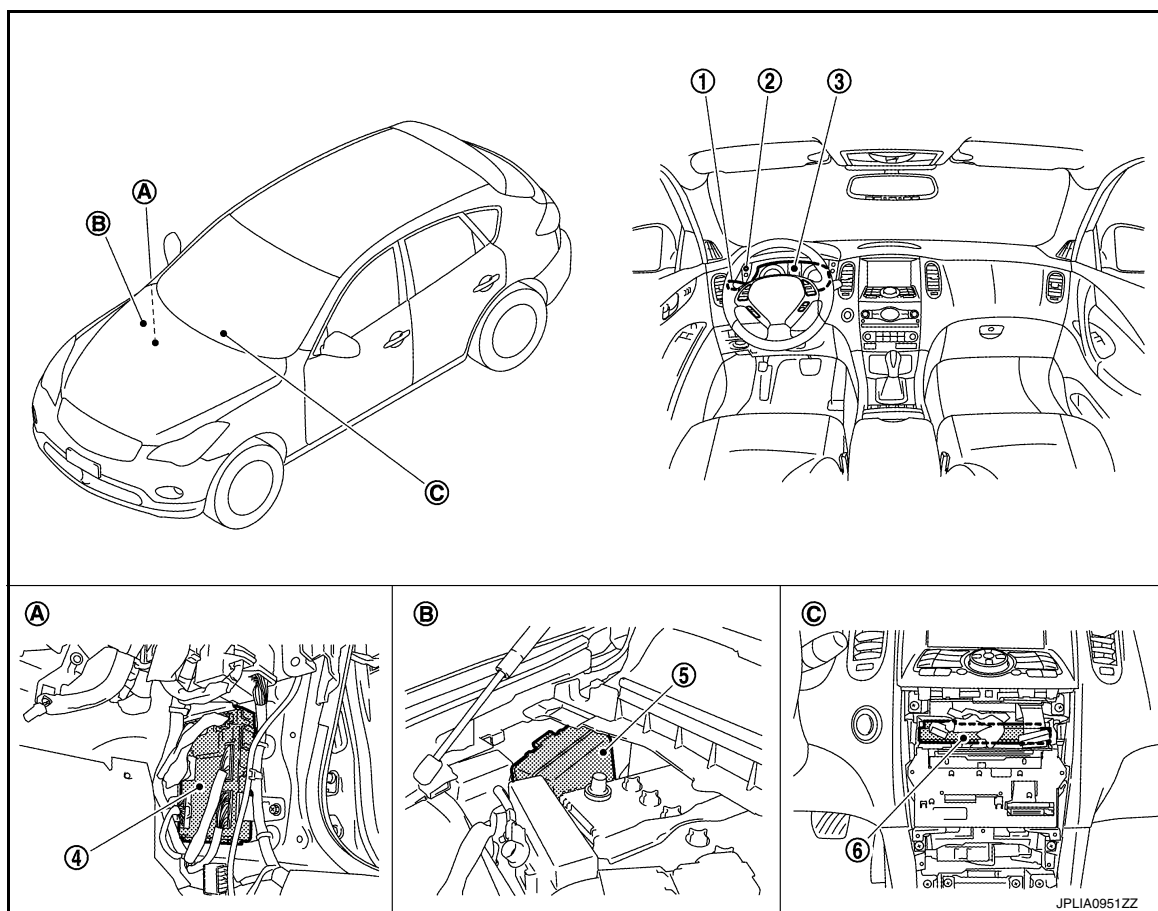
- Lighting switch 1ST
- Lighting switch 2ND
- Lighting switch AUTO, and the auto light function ON judgment (With auto light system)
- IPDM E/R turns the integrated tail lamp relay ON according to position light request signal. It provides the power supply to each illumination lamp.
- Combination meter enters in the nighttime mode according to position light request signal (through the unified meter and A/C amp.). Under the nighttime mode the combination meter controls the illuminance by controlling the each illumination lamp (ground side).

ILLUMINATION CONTROL SYSTEM

< SYSTEM DESCRIPTION >

Component Parts Location

INFOID:0000000010594123



- | | | |
|------------------------------------|--------------------------------|-------------------------------|
| 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:0000000010594124

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-27, "METER ILLUMINATION CONTROL : System Diagram" .
Combination switch (Lighting & turn signal switch)	Refer to BCS-11, "System Diagram" .

DIAGNOSIS SYSTEM (BCM)

< SYSTEM DESCRIPTION >

DIAGNOSIS SYSTEM (BCM)

COMMON ITEM

COMMON ITEM : CONSULT Function (BCM - COMMON ITEM)

INFOID:0000000011043798

APPLICATION ITEM

CONSULT performs the following functions via CAN communication with BCM.

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

SYSTEM APPLICATION

BCM can perform the following functions for each system.

NOTE:

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

×: Applicable item

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

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 supply 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" (Except emergency stop operation)
	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, 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

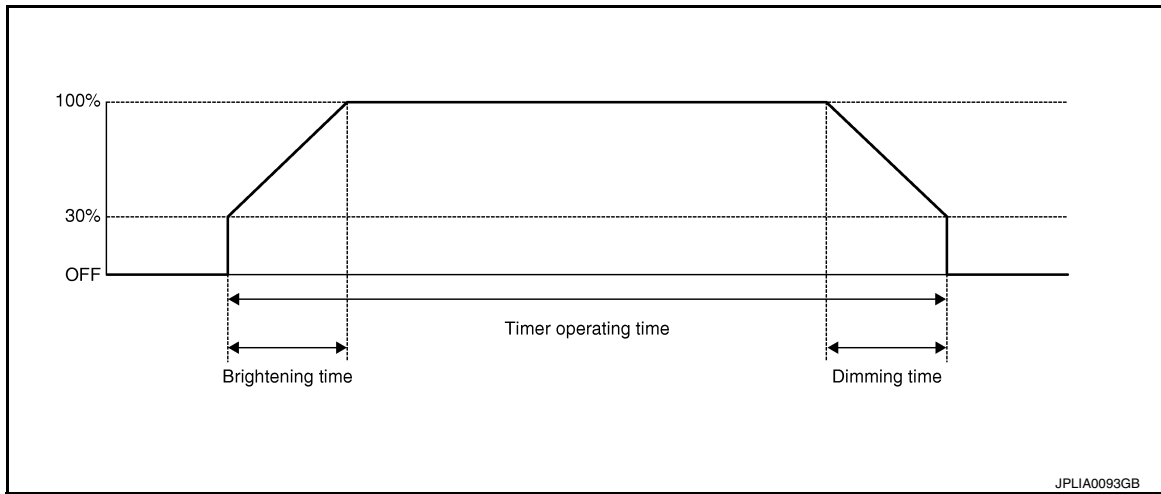
DIAGNOSIS SYSTEM (BCM)

< SYSTEM DESCRIPTION >

INT LAMP : CONSULT Function (BCM - INT LAMP)

INFOID:000000010594126

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.	
	MODE 5	0 sec.	
R LAMP TIMER LOGIC SET	MODE 1*	Interior room lamp timer activates with synchronizing all doors.	
	MODE 2	Interior room lamp timer activates with synchronizing the driver door only.	

*: Initial 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
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]	Indicated [ON/OFF] condition of back door switch.
CDL LOCK SW [On/Off]	Indicated [ON/OFF] condition of lock signal from door lock unlock switch.
CDL UNLOCK SW [On/Off]	Indicated [ON/OFF] condition of unlock signal from door lock unlock switch.
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]	NOTE: The item is indicated, but not monitored.
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:0000000010594127

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	
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.	

DIAGNOSIS SYSTEM (BCM)

< SYSTEM DESCRIPTION >

*: Initial 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.
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]	Indicated [ON/OFF] condition of back door switch.
CDL LOCK SW [On/Off]	Indicated [ON/OFF] condition of lock signal from door lock unlock switch.
CDL UNLOCK SW [On/Off]	Indicated [ON/OFF] condition of unlock signal from door lock unlock switch.
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]	NOTE: The item is indicated, but not monitored.
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

BCM : Diagnosis Procedure

INFOID:0000000010594128

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:0000000010594129

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

Component Function Check

INFOID:0000000010594130

1.CHECK INTERIOR ROOM LAMP POWER SUPPLY FUNCTION

CONSULT ACTIVE TEST

- Turn ignition switch ON.
- Turn each interior room lamp ON.
 - Map lamp
 - Personal lamp
 - Foot lamp
 - Step lamp
 - Vanity mirror lamp
 - Luggage room lamp
- Select "BATTERY SAVER" of BCM (BATTERY SAVER) active test item.
- 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:0000000010594131

1.CHECK INTERIOR ROOM LAMP POWER SUPPLY OUTPUT

CONSULT ACTIVE TEST

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

Terminals		Test item	Voltage (Approx.)
(+)	(-)		
BCM		BATTERY SAVER	
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-97, "Removal and Installation"](#).

2.CHECK INTERIOR ROOM LAMP POWER SUPPLY OPEN CIRCUIT

- Turn ignition switch OFF.
- Disconnect the following connectors.
 - Roof module (map lamp and personal lamp)
 - Foot lamp (driver side)
 - Foot lamp (passenger side)
 - Vanity mirror lamp (LH)
 - Vanity mirror lamp (RH)
 - Luggage room lamp (luggage side)
 - Luggage room lamp (back door side)

INTERIOR ROOM LAMP POWER SUPPLY CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

- Step lamp (driver side)
 - Step lamp (passenger side)
3. Check continuity between BCM harness connector and each interior room lamp harness connector.

BCM		Each interior room lamp			Continuity
Connector	Terminal	Connector	Terminal	Terminal	
M119	4	Roof module	R11	12	Existed
		Foot lamp (driver side)	M27	1	
		Foot lamp (passenger side)	M113	1	
		Vanity mirror lamp (LH)	R12	2	
		Vanity mirror lamp (RH)	R13	2	
		Luggage room lamp (luggage side)	B229	2	
		Luggage room lamp (back door side)	D110	2	
		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 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:0000000010594132

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:0000000010594133

CAUTION:

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

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

1.CHECK INTERIOR ROOM LAMP CONTROL FUNCTION

CONSULT ACTIVE TEST

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

On : Interior room lamp gradual brightening

Off : Interior room lamp gradual dimming

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

YES >> Interior room lamp control circuit is normal.

NO >> Refer to [INL-23, "Diagnosis Procedure"](#).

Diagnosis Procedure

INFOID:0000000010594134

1.CHECK INTERIOR ROOM LAMP CONTROL OUTPUT

CONSULT ACTIVE TEST

1. Turn ignition switch OFF.
2. Remove all the bulbs of map lamp, foot 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 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-97, "Removal and Installation"](#).

2.CHECK INTERIOR ROOM LAMP CONTROL OPEN CIRCUIT

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

INTERIOR ROOM LAMP CONTROL CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

BCM		Roof module/foot lamp			Continuity
Connector	Terminal	Connector	Terminal	Terminal	
M119	19	Roof module	R11	9	Existed
		Foot lamp (driver side)	M27	2	
		Foot lamp (passenger side)	M113	2	

Does continuity exist?

YES >> Replace the roof module or the foot lamp.

NO >> Repair the harnesses or connectors.

3. CHECK INTERIOR ROOM LAMP CONTROL SHORT CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect BCM connector, roof module connector and foot lamp connector.
3. Check continuity between BCM harness connector and 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-97. "Removal and Installation"](#).

STEP LAMP CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

STEP LAMP CIRCUIT

Description

INFOID:0000000010594135

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

Component Function Check

INFOID:0000000010594136

CAUTION:

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

- Interior room lamp power supply
- Step lamp bulb

1.CHECK STEP LAMP OPERATION

CONSULT ACTIVE TEST

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

On : Step lamp ON

Off : Step lamp OFF

Does the step lamp turn ON/OFF?

YES >> Step lamp circuit is normal.

NO >> Refer to [INL-25, "Diagnosis Procedure"](#).

Diagnosis Procedure

INFOID:0000000010594137

1.CHECK STEP LAMP OUTPUT

CONSULT ACTIVE TEST

1. Turn 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 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-97, "Removal and Installation"](#).

2.CHECK STEP LAMP OPEN CIRCUIT

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

BCM		Step lamp			Continuity
Connector	Terminal	Connector		Terminal	
M119	7	Driver side	D12	2	Existed
		Passenger side	D42	2	

Does continuity exist?

YES >> Replace step lamp.

STEP LAMP CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

NO >> Repair harnesses or connectors.

3.CHECK STEP LAMP SHORT CIRCUIT

1. Turn ignition switch OFF.
2. Check continuity between BCM harness connector and 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-97. "Removal and Installation"](#).

PUDDLE LAMP CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

PUDDLE LAMP CIRCUIT

Description

INFOID:0000000010594138

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

Diagnosis Procedure

INFOID:0000000010594139

1.CHECK PUDDLE LAMP FUSE

1. Turn ignition switch OFF.
2. Check that the following fuse is not fusing.

Unit	Location	Fuse No.	Capacity
Puddle lamp	Fuse block (J/B)	#10	10 A

Is the fuse fusing?

- YES >> Replace the fuse.
NO >> GO TO 2.

2.CHECK PUDDLE LAMP INPUT VOLTAGE

1. Turn ignition switch OFF.
2. When any door opened and closed, check voltage between BCM harness connector and ground.

BCM		Ground	Condition	Voltage
Connector	Terminal			
M122	94		Door open	0 V
			Door close	Battery voltage

Is the measurement value normal?

- YES >> Replace door mirror assembly (driver side).
NO >> GO TO 3.

3.CHECK PUDDLE LAMP OPEN CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect BCM connector, and door mirror (driver side) connector.
3. Check continuity between BCM harness connector and door mirror (driver side) harness connector.

BCM		door mirror (driver side)		Continuity
Connector	Terminal	Connector	Terminal	
M122	94	D3	14	Existed

Does continuity exist?

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

4.CHECK PUDDLE LAMP SHORT CIRCUIT

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

BCM		Ground	Continuity
Connector	Terminal		
M122	94		Not existed

Does continuity exist?

- YES >> Repair the harnesses or connectors.
NO >> Replace BCM. Refer to [BCS-97, "Removal and Installation"](#).

PUSH-BUTTON IGNITION SWITCH ILLUMINATION CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

PUSH-BUTTON IGNITION SWITCH ILLUMINATION CIRCUIT

Description

INFOID:0000000010594140

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

Component Function Check

INFOID:0000000010594141

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-28, "Diagnosis Procedure"](#).

Diagnosis Procedure

INFOID:0000000010594142

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-97, "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 ground.

PUSH-BUTTON IGNITION SWITCH ILLUMINATION CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

Terminals		Test item	Voltage (Approx.)
(+)	(-)		
BCM		ENGINE SW ILLUMI	
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 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 push-button ignition switch harness connector.

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-97. "Removal and Installation"](#).

INTERIOR ROOM LAMP CONTROL SYSTEM

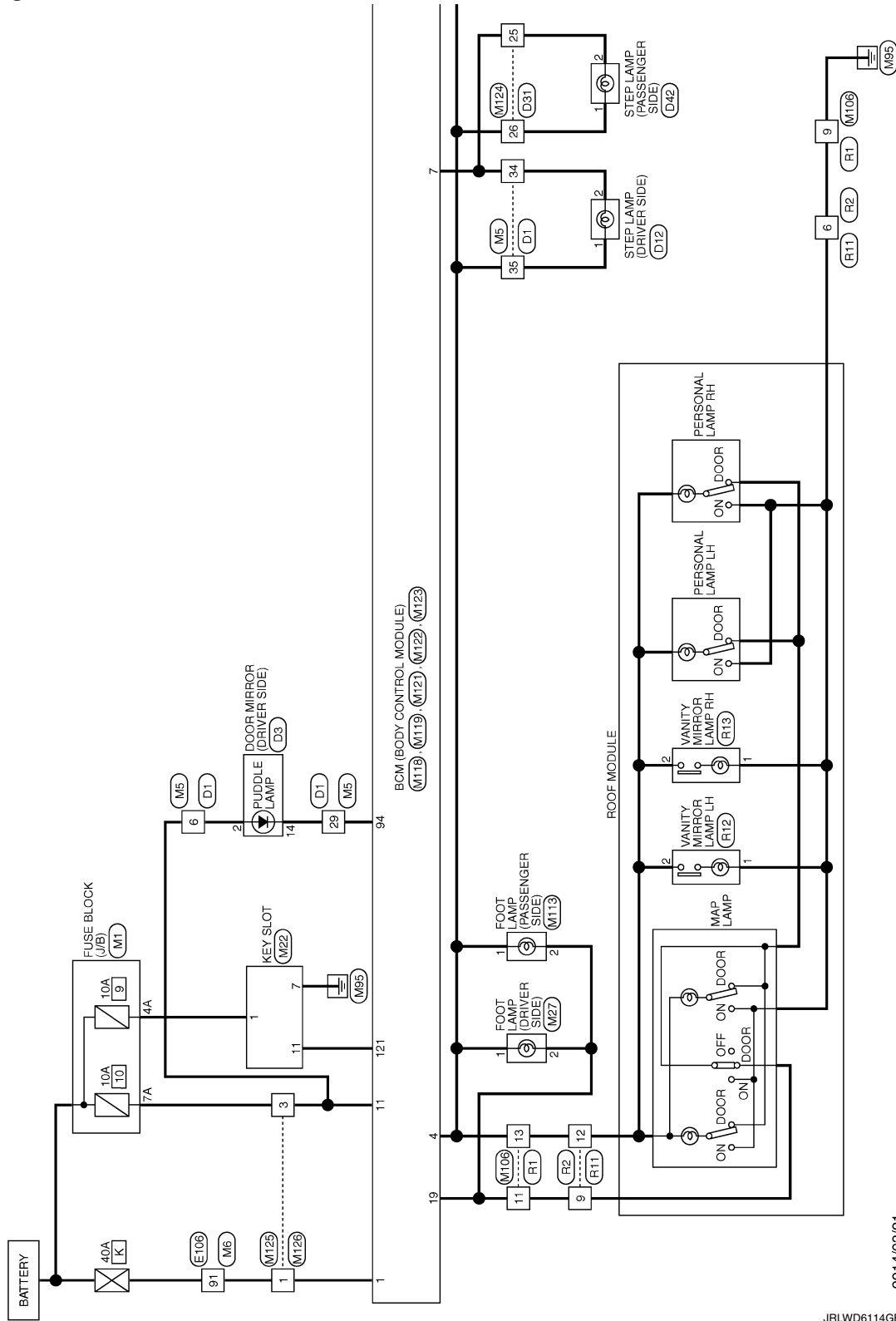
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INTERIOR ROOM LAMP CONTROL SYSTEM

Wiring Diagram - INTERIOR ROOM LAMP -

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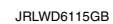
INTERIOR ROOM LAMP CONTROL SYSTEM



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< DTC/CIRCUIT DIAGNOSIS >



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INTERIOR ROOM LAMP CONTROL SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

INTERIOR ROOM LAMP CONTROL SYSTEM

Connector No.	B1
Connector Name	WIRE TO WIRE
Connector Type	TH88FW-CS16-TM4



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

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



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

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



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

Connector No.	B27
Connector Name	WIRE TO WIRE
Connector Type	M08MW-LG



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

Connector No.	B28
Connector Name	WIRE TO WIRE
Connector Type	TH24MM-HH



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

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

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INTERIOR ROOM LAMP CONTROL SYSTEM

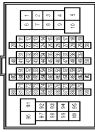
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INTERIOR ROOM LAMP CONTROL SYSTEM

Connector No.	B47
Connector Name	DIODE
Connector Type	2433S C3900



Connector No.	B501
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-GS16-TM4



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

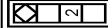
Connector No.	B66
Connector Name	WIRE TO WIRE
Connector Type	TH2AMW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG	-
2	R	-
3	B	-
13	L	-
14	W	-
15	B	-
16	BR	-
17	BG	-
18	P	-

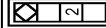
73	BR	-
79	V	-
81	SB	-
82	LG	-
83	P	-
84	R	-
85	L	-
86	BG	-
87	L	-
88	P	-
91	V	-
94	R	-
95	SB	-
97	G	-
98	R	-
99	P	-
100	L	-

Connector No.	BZ18
Connector Name	FRONT DOOR SWITCH PASSENGER SIDE
Connector Type	A03FW



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

Connector No.	B223
Connector Name	REAR DOOR SWITCH RH
Connector Type	A03FW



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

Connector No.	B229
Connector Name	LUGGAGE ROOM LAMP (LUGGAGE SIDE)
Connector Type	TK03FW



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

Connector No.	B243
Connector Name	WIRE TO WIRE
Connector Type	TH24FW-NH



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INTERIOR ROOM LAMP CONTROL SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

INTERIOR ROOM LAMP CONTROL SYSTEM

Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG	-
2	R	-
3	B	-
13	L	-
14	W	-
15	GR	-
16	BR	-
17	LG	-
18	L	-

Connector No.	D1
Connector Name	WIRE TO WIRE
Connector Type	TH40FW-CS15

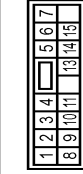


Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	B	-
3	V	-
4	W	-
5	L	-
6	O	-
7	GR	-
8	W	-
9	O	-
10	BR	-
11	P	-
12	LG	-
13	B	-
14	Y	-
15	W	-
16	R	-
17	W	-
18	G	-
19	Y	-
20	W	-
21	O	-
22	P	-
23	BR	-

Terminal No.	Color Of Wire	Signal Name [Specification]
25	GR	-
26	Y	-
27	B	-
28	SHIELD	-
29	LG	-
30	G	-
31	W	-
32	G	-
33	L	-
34	SB	-
35	R	-
36	LG	-
37	R	-
38	O	-
39	O	-
40	BR	-
41	L	-
42	GR	-
43	BR	- [With automatic drive positioner]
43	O	- [Without automatic drive positioner]
44	GR	- [Without automatic drive positioner]
44	W	- [With automatic drive positioner]
45	G	- [Without automatic drive positioner]
45	Y	- [With automatic drive positioner]
46	G	- [Without automatic drive positioner]
46	V	- [With automatic drive positioner]
47	R	- [Without automatic drive positioner]
48	GP	-
49	SHIELD	-
50	R	-
51	SB	-
52	R	-
53	SB	-
54	O	-
55	Y	-

Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	B	-
3	Y	-
5	Y	-
6	R	-
7	W	-
10	G	-
11	P	-
12	O	-
14	LG	-
17	G	-
18	W	-
19	B	-
21	GR	-
22	BR	-
24	V	-

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



Connector No.	D3
Connector Name	DOOR MIRROR (DRIVER SIDE)
Connector Type	TH24MW-NH



5	O	-
8	Y	-
7	BR	-
8	L	-
9	O	-
10	Y	-
11	G	-
13	P	-
14	V	-
15	B	-

Connector No.	D9
Connector Name	POWER WINDOW MAIN SWITCH
Connector Type	NS16FW-CS



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

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



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

INTERIOR ROOM LAMP CONTROL SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

INTERIOR ROOM LAMP CONTROL SYSTEM

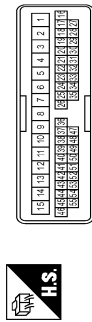
Connector No.	D15
Connector Name	FRONT DOOR LOCK ASSEMBLY (DRIVER SIDE)
Connector Type	EDBFGY-RS



Terminal No.	Color	Wire	Signal Name [Specification]
21	G	-	- [With BOSE audio]
22	V	-	-
23	P	-	-
24	W	-	-
25	SB	-	-
26	R	-	-
29	SHIELD	-	-
30	W	-	-
31	LG	-	-
32	BR	-	-
33	O	-	-
34	GR	-	-
35	G	-	-
36	R	-	-
37	G	-	-
38	V	-	-
44	V	-	-
45	P	-	-
46	W	-	-
47	SHIELD	-	-
52	GR	-	-
53	O	-	-
54	O	-	-
55	L	-	-

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

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



Terminal No.	Color	Wire	Signal Name [Specification]
7	R	-	-
8	BR	-	-
9	V	-	-
12	P	-	-
13	LG	-	-
14	B	-	-
15	W	-	-
16	BR	-	-
17	R	-	-
18	R	-	-
19	Y	-	-
20	B	-	- [With BOSE audio]
20	R	-	- [Without BOSE audio]
21	BR	-	- [Without BOSE audio]

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



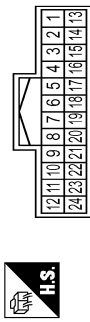
Terminal No.	Color	Wire	Signal Name [Specification]
1	R	-	-
2	SB	-	-

Connector No.	D101
Connector Name	WIRE TO WIRE
Connector Type	IM06FW-LC



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

Connector No.	D102
Connector Name	WIRE TO WIRE
Connector Type	1124FW-NH



Terminal No.	Color	Wire	Signal Name [Specification]
1	GR	-	-
2	W	-	-
3	R	-	-
5	R	-	-
6	O	-	-
13	R	-	-
14	L	-	- [With around view monitor]
14	SHIELD	-	- [Without around view monitor]
15	Y	-	-
16	G	-	-
16	L	-	- [With around view monitor]
17	G	-	- [Without around view monitor]
17	W	-	- [Without around view monitor]
18	SHIELD	-	-
19	LG	-	-
20	V	-	-
22	P	-	-
23	BR	-	-
24	R	-	-

JRLWD6251GB

A
B
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N
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P

INTERIOR ROOM LAMP CONTROL SYSTEM

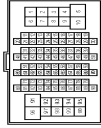
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INTERIOR ROOM LAMP CONTROL SYSTEM

Connector No.	D110
Connector Name	LUGGAGE ROOM LAMP (BACK DOOR SIDE)
Connector Type	TK03FW



Connector No.	E108
Connector Name	WIRE TO WIRE
Connector Type	TH08FW-CS18-TM4



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

Connector No.	D113
Connector Name	BACK DOOR LOCK ASSEMBLY
Connector Type	NS04FW-CS



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

43	BR	-
44	W	-
45	L	-
46	P	-
51	L	-
54	BG	-
57	BR	-
59	W	-
60	LG	-
61	G	-
62	SB	-
63	W	-
64	B	-
65	G	-
67	SHIELD	-
68	Y	-
69	LG	-
70	W	-
71	R	-
72	Y	-
73	B	-
74	BR	- [With LCC]
74	L	- [Without LCC]
75	G	- [With LCC]
75	W	- [Without LCC]
76	W	- [With LCC]
76	P	- [Without LCC]
76	G	- [Without LCC]
77	R	- [With LCC]
77	BR	- [Without LCC]
78	L	- [With LCC]
78	Y	- [Without LCC]
79	L	- [With LCC]
80	SB	-
81	R	-
82	SB	-
83	BG	-
84	G	-
85	L	-
86	P	-
87	W	-
88	P	-
89	B	-
90	SHIELD	-
91	W	-
92	Y	-
93	V	-
94	LG	-
95	BG	-
96	P	-

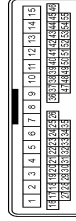
87	R	-
88	SHIELD	-
89	-	-
100	P	-

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



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

Connector No.	M5
Connector Name	WIRE TO WIRE
Connector Type	TH04MW-CS15



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

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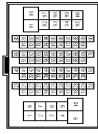
INTERIOR ROOM LAMP CONTROL SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

INTERIOR ROOM LAMP CONTROL SYSTEM

7	R	-
8	W	-
9	G	-
10	L	-
11	G	-
12	V	-
13	B	-
14	Y	-
15	W	-
16	R	-
17	B	-
18	G	-
19	Y	-
20	L	-
21	LG	-
22	L	-
23	G	-
24	Y	-
25	GR	-
26	R	-
27	W	-
28	SHIELD	-
29	Y	-
30	Y	-
31	R	-
32	BR	-
33	SB	-
34	Y	-
35	P	-
36	LG	-
37	BR	-
38	P	-
39	BG	-
40	SB	-
41	L	-
42	R	-
43	BR	-
44	V	-
45	G	-
46	SB	-
47	R	-
48	G	-
49	P	-
50	SHIELD	-
51	R	-
52	V	-
53	LG	-
54	W	-
55	SB	-

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH80MM-CSP-TM4



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

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

88	SHIELD	-
89	Y	-
90	SB	-

Connector No.	M7
Connector Name	WIRE TO WIRE
Connector Type	TH80MM-CSP-TM4



Terminal No.	Color Of Wire	Signal Name [Specification]
3	SB	- [With automatic drive positioner]
3	W	- [Without automatic drive positioner]
5	G	-
6	BG	-
7	W	-
8	B	-
11	V	-
12	SB	-
13	LG	-
14	Y	-
15	G	-
16	R	-
17	W	-
18	SB	-
19	LG	-
20	BR	-
21	SHIELD	-
22	Y	-
24	V	-
27	B	-
28	W	-
29	R	-
30	SHIELD	-
31	L	-
32	P	-
33	SB	-
34	P	-
35	P	-
36	L	-
37	P	-
38	P	-

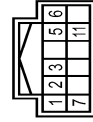
INTERIOR ROOM LAMP CONTROL SYSTEM

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INTERIOR ROOM LAMP CONTROL SYSTEM

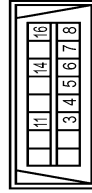
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33	4	-
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40	11	-
41	12	-
42	13	-
43	14	-
44	15	-
45	16	-
46	17	-
47	18	-
48	19	-
49	20	-
50	21	-
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56	27	-
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77	48	-
78	49	-
79	50	-
80	51	-
81	52	-
82	53	-
83	54	-
84	55	-
85	56	-
86	57	-
87	58	-
88	59	-
89	60	-
90	61	-
91	62	-
92	63	-
93	64	-
94	65	-
95	66	-
96	67	-
97	68	-
98	69	-
99	70	-

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



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

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



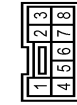
Terminal No.	Color Of Wire	Signal Name [Specification]
3	LG	-
4	B	-
5	B	-
6	L	-
7	V	-
8	G	-
11	SB	-
14	P	-
16	Y	-

Connector No.	M27
Connector Name	FOOT LAMP (DRIVER SIDE)
Connector Type	A02FW



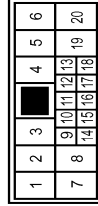
Terminal No.	Color Of Wire	Signal Name [Specification]
2	BR	-

Connector No.	M50
Connector Name	PUSH-BUTTON IGNITION SWITCH
Connector Type	TK08BR



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

Connector No.	M106
Connector Name	WIRE TO WIRE
Connector Type	NH10MW-CS10



Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	-
2	SHIELD	-
3	SHIELD	-
4	W	-
5	Y	-
7	BR	-
8	Y	-
9	B	-
10	R	-
11	V	-
12	R	-
13	LG	-
14	R	- [With NAVI]
14	Y	- [Without NAVI]
15	SHIELD	-
16	BR	- [Without NAVI]
16	G	- [With NAVI]
18	B	-

Connector No.	M113
Connector Name	FOOT LAMP (PASSENGER SIDE)
Connector Type	A02FW



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INTERIOR ROOM LAMP CONTROL SYSTEM

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INTERIOR ROOM LAMP CONTROL SYSTEM

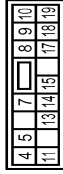
Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	BR	-

Connector No.	Connector Name	Connector Type
M117	WIRE TO WIRE	
	TH80AMP-CS16-T1M4	



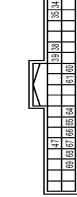
Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
2	G	-
3	GR	-
4	SB	-
7	W	-
10	W	-
15	SB	-
16	V	-
17	BR	-
27	LG	-
28	Y	-
29	Y	-
30	V	-
31	R	-
32	BR	-
33	G	-
51	R	-
55	W	-
56	B	-
57	R	-
58	G	-
59	SHIELD	-
60	LG	-
82	BR	-
83	L	-
84	LG	-
85	B	-
86	R	-

Connector No.	Connector Name	Connector Type
M119	BCM (BODY CONTROL MODULE)	
	NS16FW-CS	



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

Connector No.	Connector Name	Connector Type
M121	BCM (BODY CONTROL MODULE)	
	TH80FW-NH	



Terminal No.	Color Of Wire	Signal Name [Specification]
35	SB	LUGGAGE ROOM ANT-
36	B	LUGGAGE ROOM ANT+
38	W	BACK DOOR ANT-
39	W	BACK DOOR ANT+
47	Y	IGN RELAY UPDM E/R CONT
52	SB	STARTER RELAY CONT
60	BR	PUSH SW

Terminal No.	Color Of Wire	Signal Name [Specification]
61	W	BACK DOOR OPENER REQUEST SW
62	V	REAR WIPER STOP (ELECTROMAGNETIC)
65	BG	REAR WIPER STOP POSITION
66	R	BACK DOOR SW
67	GR	BACK DOOR OPENER SW
68	BR	REAR RH DOOR SW
69	R	REAR LH DOOR SW

Connector No.	Connector Name	Connector Type
M122	BCM (BODY CONTROL MODULE)	
	TH80FB-NH	



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

INTERIOR ROOM LAMP CONTROL SYSTEM

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INTERIOR ROOM LAMP CONTROL SYSTEM

110	G	HAZARD SW
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Connector No.	M123
Connector Name	ECM (BODY CONTROL MODULE)
Connector Type	TH48FC-NH



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000
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Terminal No.	Color Of Wire	Signal Name [Specification]
113	P	OPTICAL SENSOR
116	SB	STOP LAMP SW 1
118	P	STOP LAMP SW 2
119	SB	DR DOOR UNLOCK SENSOR
121	BR	KEY SLOT SW
123	W	IGN F/B
124	LG	PASSENGER DOOR SW
132	BR	POWER WINDOW SW COMM
133	W	PUSH-BUTTON IGNITION SW ILL POWER
134	GR	LOCK IND
137	BG	RECEIVER SENSOR GND
138	Y	RECEIVER SENSOR SUPPLY
139	L	TIRE PRESSURE RECEIVER COMM
140	GR	SHIFT N/P
141	G	SECURITY LIND LAMP CONT
142	BG	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	LG	DRIVER DOOR SW
151	G	REAR WINDOW DEFROGGER RELAY CONT

Connector No.	M124
Connector Name	WIRE TO WIRE
Connector Type	TH48MW-CSS15



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
46	47	48	49	50	51	52	53	54	55	56	57	58	59	60

INTERIOR ROOM LAMP CONTROL SYSTEM

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INTERIOR ROOM LAMP CONTROL SYSTEM

4	B	-	Connector No.	RT2
5	W	-	Connector Name	VANITY MIRROR LAMP LH
6	B	-	Connector Type	MCAG2FN
7	P	-		
8	GR	-		
9	V	-		
11	Y	-		
12	R	-		



Connector No.	RT1
Connector Name	WIRE TO WIRE
Connector Type	TH12MP-1H



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

Connector No.	RT3
Connector Name	VANITY MIRROR LAMP RH
Connector Type	MCAG2FN



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

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

JRLWD6257GB

A
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C
D
E
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M
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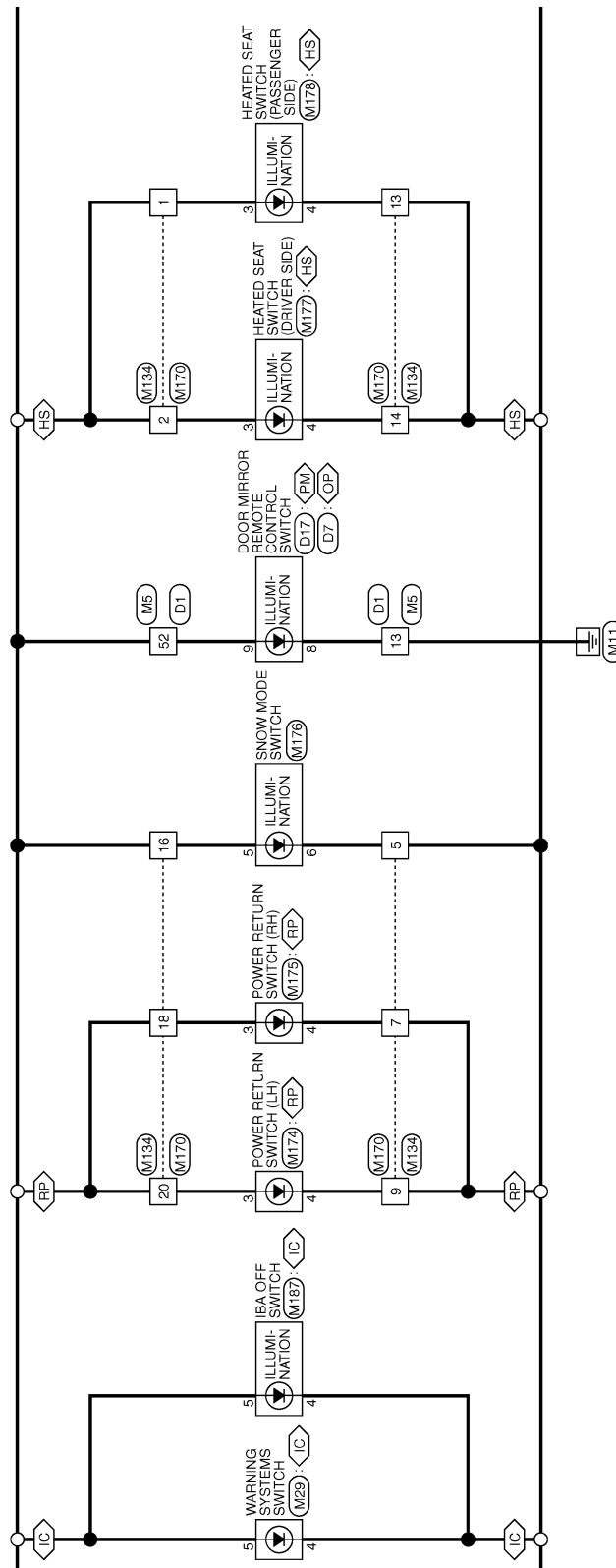
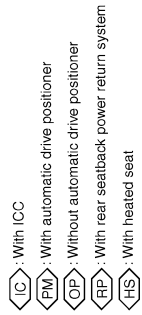
ILLUMINATION

INFOID:0000000010594144



< DTC/CIRCUIT DIAGNOSIS >

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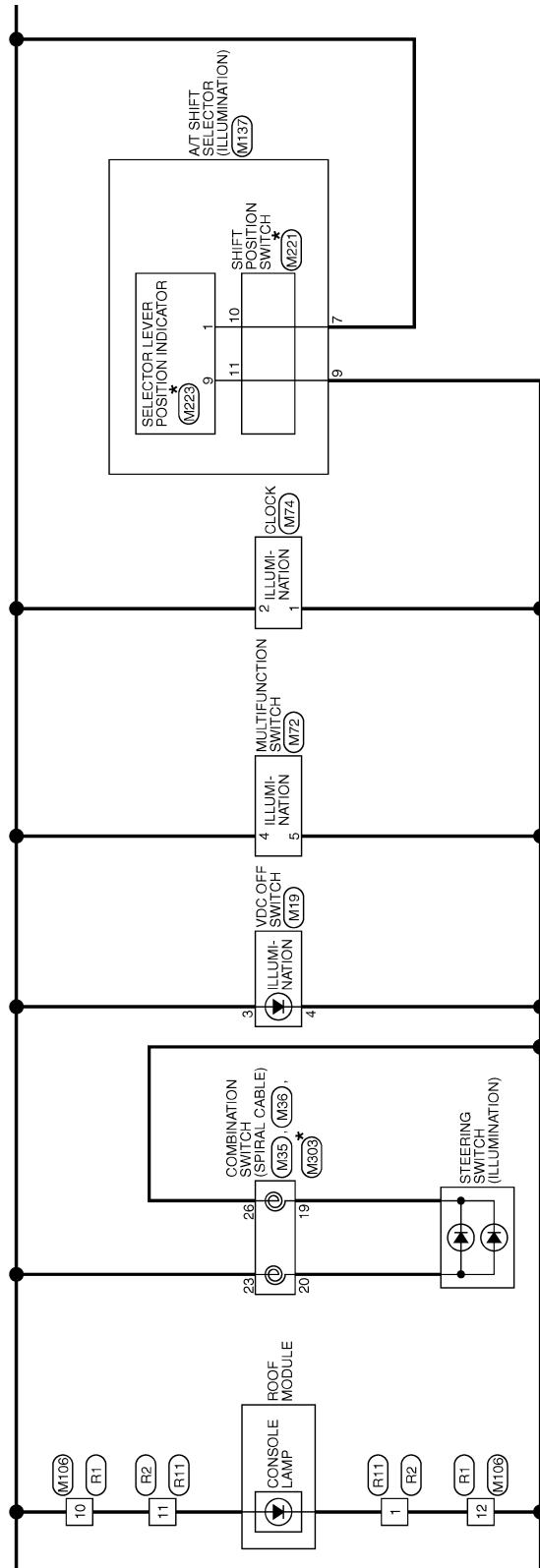
JRLWD6117GB

A
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ILLUMINATION

< DTC/CIRCUIT DIAGNOSIS >

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

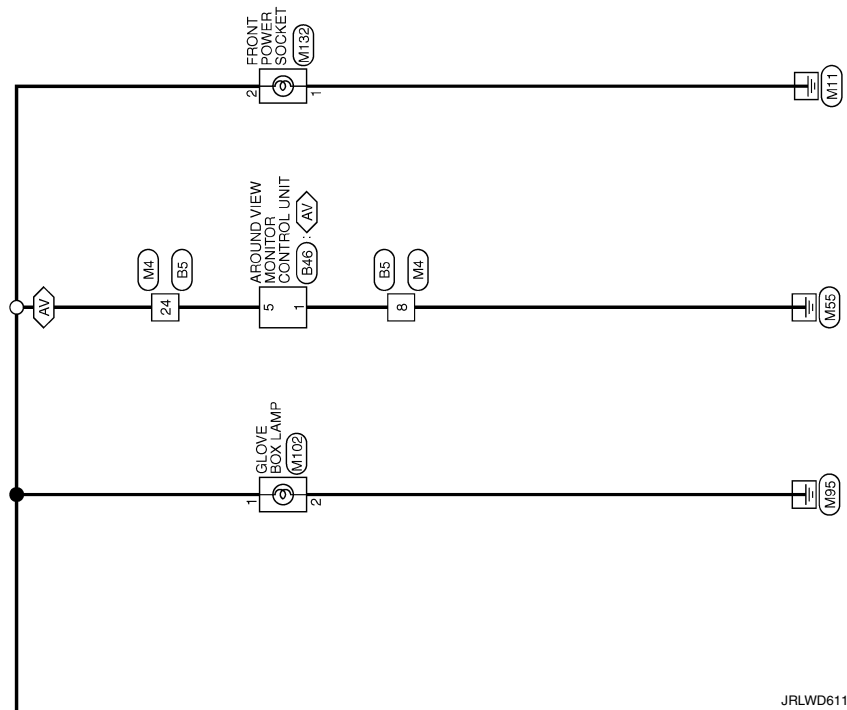


JRLWD6118GB

ILLUMINATION

< DTC/CIRCUIT DIAGNOSIS >

AV : With around view monitor



JRLWD6119GB

ILLUMINATION

< DTC/CIRCUIT DIAGNOSIS >

ILLUMINATION

Connector No.	B1
Connector Name	WIRE TO WIRE
Connector Type	TH88FW-CS16-TM4



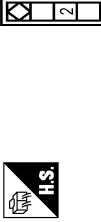
Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	G	-
3	SB	-
4	SB	-
5	SB	-
6	SB	-
7	V	-
8	L	-
9	L	-
10	V	-
11	V	-
12	SB	-
13	LG	-
14	GR	-
15	LG	-
16	R	-
17	W	-
18	SB	-
19	G	-
20	GR	-
21	SHIELD	-
22	V	-
23	P	-
24	B	-
25	B	-
26	R	-
27	P	-
28	R	-
29	W	-
30	SHIELD	-
31	SHIELD	-
32	W	-
33	SB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

Connector No.	B5
Connector Name	WIRE TO WIRE
Connector Type	TH32MW-NH



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

Connector No.	B18
Connector Name	FRONT DOOR SWITCH (DRIVER SIDE)
Connector Type	A03FW



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

Connector No.	B48
Connector Name	AROUND VIEW MONITOR CONTROL UNIT
Connector Type	TH48FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	GROUND
2	Y	BATTERY
3	P	IGNITION SIGNAL
4	GR	ACC
5	BG	ILLUMINATION SIGNAL
6	SB	VEHICLE SPEED SIGNAL (8 PULSED)
7	V	REVERSE SIGNAL
8	V	CONTROL SIGNAL
9	B	CONTROL SIGNAL
10	SB	AV COMM (H)
11	LG	AV COMM (L)
12	SB	AV COMM (H)
13	LG	AV COMM (L)
14	SB	-
15	LG	-
16	G	-
17	W	-
18	W	-
19	W	-
20	W	-
21	W	-
22	W	-
23	W	-
24	G	-
25	G	-
26	G	-
27	W	-
28	SHIELD	-
29	Y	-
30	SHIELD	-
31	Y	-

ILLUMINATION

< DTC/CIRCUIT DIAGNOSIS >

ILLUMINATION

30	G	SIDE CAMERA RH IMAGE GND
31	SHIELD	
32	W	SIDE CAMERA RH GND
33	W	SIDE CAMERA RH COMM
34	R	SIDE CAMERA RH POWER SUPPLY
35	L	REAR CAMERA COMM
36	BR	REAR CAMERA POWER SUPPLY
37	SHIELD	
38	R	REAR CAMERA GND
39	Y	REAR CAMERA IMAGE SIGNAL
40	W	REAR CAMERA IMAGE GND

Connector No.	D1
Connector Name	WIRE TO WIRE
Connector Type	TH40FW-CS15



15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	B	-
3	Y	-
4	W	-
5	L	-
6	O	-
7	GR	-
8	W	-
9	O	-
10	BR	-
11	P	-
12	LG	-
13	B	-
14	Y	-
15	W	-
16	R	-
17	W	-
18	G	-
19	Y	-
20	W	-
21	O	-
22	P	-
23	BR	-

24	V	-
25	GR	-
26	Y	-
27	B	-
28	SHIELD	-
29	LG	-
30	G	-
31	W	-
32	G	-
33	L	-
34	SB	-
35	R	-
36	LG	-
37	R	-
38	P	-
39	O	-
40	BR	-
41	L	-
42	GR	-
43	BR	- [With automatic drive positioner]
44	O	- [Without automatic drive positioner]
45	GR	- [Without automatic drive positioner]
46	W	- [With automatic drive positioner]
47	G	- [Without automatic drive positioner]
48	Y	- [Without automatic drive positioner]
49	G	- [Without automatic drive positioner]
50	Y	- [Without automatic drive positioner]
51	G	- [Without automatic drive positioner]
52	G	- [Without automatic drive positioner]
53	SB	-
54	O	-
55	Y	-

Connector No.	D7
Connector Name	DOOR MIRROR REMOTE CONTROL SWITCH
Connector Type	TK16FW



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	
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ILLUMINATION

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



6F	4F	2F 1F
		9F 8F

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

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



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

17	SR	
18	V	-
20	BQ	-
21	L	-
22	V	-
23	G	-
24	P	-
25	Y	-
26	V	-
27	W	-
28	G	-
31	BQ	-
32	W	-
33	B	-
34	R	-
35	G	-
36	SHIELD	-
37	V	-
38	BR	-
39	BQ	-
41	W	-
42	G	-
43	BR	-
45	W	-
46	W	-
49	S	-
51	L	-
54	BQ	-
57	BR	-
59	W	-
60	LG	-
61	G	-
62	SB	-
63	W	-
64	B	-
65	G	-
66	R	-
67	SHIELD	-
68	W	-
69	LG	-
70	W	-
71	R	-
72	Y	-
73	B	-
74	BR	- [With ICG]
74	L	- [Without ICG]
75	G	- [With ICG]
75	W	- [Without ICG]
76	W	- [With ICG]
76	W	- [Without ICG]

	P	– [Without ICG]
77	R	– [With ICG]
78	BR	– [Without ICG]
79	L	– [With ICG]
80	SB	– [Without ICG]
81	R	–
82	SB	–
83	PG	–
84	G	–
85	P	–
86	P	– [With ICG]
87	V	–
88	GR	–
89	SHIELD	–
90	W	–
91	Y	–
92	Y	–
93	V	–
94	LG	–
95	PG	–
96	R	–
97	P	–
98	SHIELD	–
99	L	–
100	P	–

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



3A	<input type="text"/>	2A 1A
8A	7A 6A 5A 4A	

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

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



4B	3B	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	9B	8B	7B	6B 5B

Terminal No.	Color Of Wire	Signal Name [Specification]
3B	P	-
4B	G	-
5B	BG	-
6B	Y	-
7B	P	-
8B	R	-
9B	CB	-

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

[illegible]

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

ILLUMINATION

< DTC/CIRCUIT DIAGNOSIS >

ILLUMINATION

Connector No.	M4
Connector Name	WIRE TO WIRE
Connector Type	TH3EFW-M4



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30

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



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30

Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG	-
2	SP	-
3	Y	-
4	R	-
5	W	-
6	G	-
7	LG	-
8	B	-
14	V	-
15	V	-
16	W	-
21	G	-
22	B	-
23	SHIELD	-
24	R	-
25	R	-
26	Y	-
27	G	-
28	B	-
29	W	-
30	SHIELD	-
31	Y	-

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

37	BR	-
38	EG	-
39	SS	-
40	SS	-
41	L	-
42	R	-
43	BR	-
44	V	-
45	G	-
46	SB	-
47	R	-
48	G	-
49	P	-
50	SHIELD	-
51	V	-
52	Y	-
53	LG	-
54	LG	-
55	SS	-

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH6MMW-CS16-TM4



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

18	V	-
20	EG	-
21	W	-
22	W	-
23	P	-
24	BR	-
25	Y	-
26	V	-
27	G	-
28	G	-
31	L	-
32	G	-
33	B	-
34	W	-
35	R	-
36	SHIELD	-
37	V	-
38	EG	-
39	BR	-
41	W	-
42	EG	-
43	EG	-
45	W	-
49	L	-
50	P	-
51	BR	-
54	Y	-
57	G	-
59	W	-
60	L	-
61	G	-
62	SB	-
63	G	-
64	B	-
65	W	-
66	R	-
67	SHIELD	-
68	Y	-
69	GR	-
70	LG	-
71	LG	-
72	Y	-
73	SB	-
74	BR	-
75	G	-
76	GR	-
76	W	-
77	P	-
77	R	-

JRLWD6261GB

A
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ILLUMINATION

< DTC/CIRCUIT DIAGNOSIS >

ILLUMINATION

76	5	- [With LCG]
78	6	- [Without LCG]
79	W	- [Without LCG]
79	Y	- [With LCG]
80	SB	-
81	SB	-
82	SB	-
83	V	-
84	G	-
85	L	-
86	P	-
87	W	-
89	GR	-
90	SHIELD	-
91	Y	-
92	Y	-
93	BR	-
94	P	-
95	GR	-
96	W	-
97	L	-
98	SHIELD	-
99	V	-
100	SB	-

Connector No.	M7
Connector Name	WIRE TO WIRE
Connector Type	TH80M-CSTP-TMA



15	G	-
16	R	-
17	W	-
18	SB	-
19	LG	-
20	BR	-
21	SHIELD	-
22	Y	-
24	V	-
27	B	-
28	W	-
29	R	-
30	SHIELD	-
31	L	-
32	Y	-
33	SB	-
34	L	-
35	P	-
36	L	-
37	P	-
38	P	-
39	Y	-
40	SB	-
44	L	-
45	GR	-
46	LG	-
47	SB	-
48	BG	-
49	R	-
50	L	-
60	P	-
61	L	-
62	SHIELD	-
63	R	-
64	G	-
65	SHIELD	-
66	SB	-
67	V	-
68	LG	-
69	SHIELD	-
70	W	-
73	G	-
74	R	-
75	W	-
76	W	-
77	B	-
78	P	-
79	GR	-
83	BG	-
85	LG	-

86	R	-
87	Y	-
88	W	-
89	BR	-
90	BG	-
91	G	-
92	V	-
93	BR	-
94	V	-
95	G	-
96	Y	-
98	W	-
99	R	-

Connector No.	M8
Connector Name	DIODE
Connector Type	24335-C9600



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

Connector No.	M19
Connector Name	VDC OFF SWITCH
Connector Type	TK08FGY



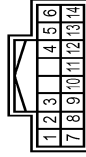
Terminal No.	1	2	3
Color Of Wire	LG	B	R
Signal Name [Specification]			

4	W	-
---	---	---



Terminal No.	2	3	4	5	6	7
Color Of Wire	SB	W	B	R	B	V
Signal Name [Specification]						

Connector No.	M33
Connector Name	COMBINATION SWITCH
Connector Type	TH18FV-3H



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

JRLWD6262GB

ILLUMINATION

< DTC/CIRCUIT DIAGNOSIS >

ILLUMINATION

12	P	OUTPUT 1
13	BR	OUTPUT 2
14	G	OUTPUT 2

Connector No.	M65
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TK06FY-EX-1V



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

Connector No.	M68
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TK06FY-1V



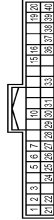
Terminal No.	Color Of Wire	Signal Name [Specification]
24	P	-
25	SB	-
26	B	-
27	L	-
31	Y	-
32	B	-
34	G	-

Connector No.	M60
Connector Name	PUSH-BUTTON IGNITION SWITCH
Connector Type	TK08FBI



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

Connector No.	M63
Connector Name	COMBINATION METER
Connector Type	TH46FW-NH



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

22	B	GROUND
23	W	COMMUNICATION SIGNAL (LCD->AMP)
24	W	COMMUNICATION SIGNAL (AMP->LCD)
26	R	VEHICLE SPEED SIGNAL (8-PULSE)
27	V	PARKING BRAKE SWITCH SIGNAL
28	W	BRAKE FLUID LEVEL SWITCH SIGNAL
29	SB	SEAT BELT BUCKLE SWITCH SIGNAL (DRIVER SIDE)
30	G	SEAT BELT BUCKLE SWITCH SIGNAL (PASSENGER SIDE)
31	L	WASHER LEVEL SWITCH SIGNAL
33	B	ILLUMINATION CONTROL SIGNAL
36	LG	SELECT SWITCH SIGNAL
37	SB	ENTER SWITCH SIGNAL
38	L	TRIP A/B RESET SWITCH SIGNAL
39	P	ILLUMINATION CONTROL SWITCH SIGNAL (-)
40	BG	ILLUMINATION CONTROL SWITCH SIGNAL (+)

Connector No.	M64
Connector Name	METER CONTROL SWITCH
Connector Type	TH12MW-NH



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

Connector No.	M66
Connector Name	UNIFIED METER AND A/C AMP.
Connector Type	TH46FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
5	L	MANUAL MODE SHIFT UP SIGNAL
6	GR	COMMUNICATION SIGNAL (METER->AMP)
8	L	VEHICLE SPEED SIGNAL (2-PULSE)
9	SB	SEAT BELT BUCKLE SWITCH SIGNAL (DRIVER SIDE)
10	W	MANUAL MODE SIGNAL
11	G	NON-MANUAL MODE SIGNAL
14	BR	COMMUNICATION SIGNAL (LCD->AMP)
20	L	ION ON/OFF SIGNAL
23	Y	AT SNOW SWITCH SIGNAL
25	V	MANUAL MODE SHIFT DOWN SIGNAL
27	LG	COMMUNICATION SIGNAL (METER->AMP)
28	R	VEHICLE SPEED SIGNAL (8-PULSE)
30	V	PARKING BRAKE SWITCH SIGNAL
34	Y	COMMUNICATION SIGNAL (AMP->LCD)
38	P	FLOWER MOTOR CONTROL SIGNAL

Connector No.	M67
Connector Name	UNIFIED METER AND A/C AMP.
Connector Type	TH35FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
41	V	ACC POWER SUPPLY
42	Y	FUEL LEVEL SENSOR SIGNAL
43	R	INTAKE SENSOR SIGNAL
44	LG	IN-VEHICLE SENSOR SIGNAL
45	P	AMBIENT SENSOR SIGNAL

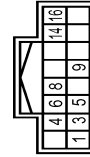
ILLUMINATION

46	EG	SUN/OLD SENSOR SIGNAL
47	EG	SHOCK/CLASH SENSOR SIGNAL
53	G	IGNITION POWER SUPPLY
54	Y	BATTERY POWER SUPPLY
55	B	GROUND
56	L	CAN-H
57	W	BRAKE FLUID LEVEL SWITCH SIGNAL
58	BR	FUEL LEVEL SENSOR GROUND
59	GR	INTAKE SENSOR GROUND
60	L	IN-VEHICLE SENSOR GROUND
61	BR	AMBIENT SENSOR GROUND
62	SB	SUNLOAD SENSOR GROUND
63	R	—
65	EG	ECV SIGNAL
67	EG	4-G CAN SIGNAL
70	B	EACH DOOR MOTOR POWER SUPPLY
71	B	GROUND
72	P	CAN-L



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

Connector No.	MT2
Connector Name	MULTIFUNCTION SWITCH
Connector Type	TH16FW-NH



Connector No.	MT4
Connector Name	CLOCK
Connector Type	TH16FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	EG	—
2	SHIELD	—
3	L	—
4	W	—
5	Y	—
7	BR	—
8	Y	—
9	B	—
10	R	—
11	V	—
12	R	—
13	LG	—
14	R	— [With NAVI]
14	R	— [Without NAVI]
16	SHIELD	—
18	BR	— [With NAVI]
18	CG	— [With NAVI]
18	B	—

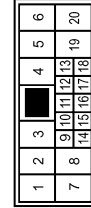


Connector No.	MT102
Connector Name	GLOVE BOX LAMP
Connector Type	AG2FW



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	GROUND
3	V	ACC
4	R	ILL
5	Y	ILL CONT
6	SB	AV COMM (H)
8	LG	AV COMM (L)
9	B	SW GND
14	Y	DISK EJECT SIGNAL
16	G	HEAD ON

Connector No.	MT106
Connector Name	WIRE TO WIRE
Connector Type	NH10MW-GS10



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



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

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

Connector No.	MT18
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	MD16F-LG



ILLUMINATION

< DTC/CIRCUIT DIAGNOSIS >

ILLUMINATION

Connector No.	M122
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH44FEB-NH



91	90	88	87							83	82	81	80	79	78	77	76	75	74		
113	112	111	110	109	108	107				103	102	101	100	99				95	94	93	92

ILLUMINATION

Connector No.	M137
Connector Name	A/T SHIFT SELECTOR
Connector Type	TH12FW-NH



80	G	IGNITION SIGNAL
81	BG	REVERSE SIGNAL
82	R	VEHICLE SPEED SIGNAL (8-PULSE)
83	SHIELD	SHIELD
87	G	MICROPHONE SIGNAL
88	SHIELD	SHIELD
89	G	COMM (DISP->CONT)
90	L	CAN-H
91	SB	AV COMM (H)
92	SB	AV COMM (L)

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

Connector No.	M151
Connector Name	AV CONTROL UNIT
Connector Type	TH12FW-NH

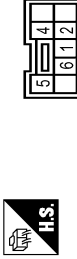


Terminal No.	Color Of Wire	Signal Name [Specification]
65	V	PARKING BRAKE SIGNAL
67	G	COMPOSITE IMAGE SIGNAL GRD
68	R	COMPOSITE IMAGE SIGNAL
71	SHIELD	SHIELD
72	R	MICROPHONE VCC
73	R	CAMERA POWER SUPPLY
74	P	CAN-L
75	LG	AV COMM (L)
76	LG	AV COMM (L)
79	R	ILLUMINATION

Connector No.	M174
Connector Name	POWER RETURN SWITCH (LH)
Connector Type	TK04FW



Connector No.	M176
Connector Name	SNOW MODE SWITCH
Connector Type	TK05FW



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

Connector No.	M175
Connector Name	POWER RETURN SWITCH (RH)
Connector Type	TK04FW-B



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

Connector No.	M177
Connector Name	HEATED SEAT SWITCH (DRIVER SIDE)
Connector Type	TK10FW



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

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

ILLUMINATION

< DTC/CIRCUIT DIAGNOSIS >

ILLUMINATION

Connector No.	M178
Connector Name	HEATED SEAT SWITCH (PASSENGER SIDE)
Connector Type	TK08FBR



6	5
4	3
2	1

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

Connector No.	M187
Connector Name	IBA OFF SWITCH
Connector Type	TK08FGY



4	5	6	7
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Terminal No.	Color Of Wire	Signal Name [Specification]
4	Y	-
5	BG	-
6	B	-
7	SB	-

Connector No.	M214
Connector Name	AV CONTROL UNIT
Connector Type	NH18FW-GS2



2	3	4	5	6	7	9	20
19	11	12	13	14	15	16	

Terminal No.	Color Of Wire	Signal Name [Specification]
2	BR	FR LH SP+
3	GR	FR LH SP-
4	LG	FR LH SP+
5	L	FR LH SP-
6	P	STRG SW A
7	V	ACC
9	R	ILLUMINATION SIGNAL
11	L	FR RH SP+
12	W	FR RH SP-
13	L	FR RH SP+
14	P	FR RH SP-
15	B	STRG SW GND
16	L	STRG SW B
19	Y	BATTERY
20	B	GROUND

Connector No.	M215
Connector Name	AV CONTROL UNIT
Connector Type	TH24FW-AH



36	37	38	39	40	41	42	43	44	45	46	47
18	48	49	50	51	52						
57	58										

Terminal No.	Color Of Wire	Signal Name [Specification]
36	BG	SIGNAL VCC
37	LG	SIGNAL GND
38	R	HP
39	BR	COMM (DISP->CONT)
40	B	RGB AREA (YS) SIGNAL

Connector No.	M223
Connector Name	SELECTOR LEVER POSITION INDICATOR
Connector Type	XARP-69V



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

Terminal No.	Color Of Wire	Signal Name [Specification]
1	-	ILL
2	-	MT
3	-	NT
4	-	D
5	-	R
6	-	M
7	-	P
8	-	AT
9	-	GROUND

Connector No.	M303
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TK08FGY



20	19	18	17	16	15	14	13
----	----	----	----	----	----	----	----

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

ILLUMINATION

< DTC/CIRCUIT DIAGNOSIS >

ILLUMINATION

Connector No.	R1
Connector Name	WIRE TO WIRE
Connector Type	TH12FW-NH



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

Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	-
2	SHIELD	-
3	SHIELD	-
4	BR	- [With automatic drive positioner]
4	W	- [Without automatic drive positioner]
5	G	-
7	BR	-
8	Y	-
9	B	-
10	Y	-
11	V	-
12	BR	-
13	R	-
14	W	-
15	SHIELD	-
16	B	-
18	B	-

Connector No.	R2
Connector Name	WIRE TO WIRE
Connector Type	TH12FW-NH



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

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

4	B	-
5	W	-
6	B	-
7	P	-
8	GR	-
9	V	-
11	Y	-
12	R	-

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



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

Terminal No.	Color Of Wire	Signal Name [Specification]
1	-	-
2	-	-
3	-	-
4	-	-
5	-	-
6	-	-
7	-	-
8	-	-
9	-	-
11	-	-
12	-	-

JRLWD6268GB

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

ECU DIAGNOSIS INFORMATION

BCM (BODY CONTROL MODULE)

Reference Value

INFOID:0000000011043806

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	Off
	Front wiper switch INT	On
FR WIPER STOP	Front wiper is not in STOP position	Off
	Front wiper is in STOP position	On
INT VOLUME	Wiper intermittent dial is in a dial position 1 - 7	Wiper intermittent dial position
RR WIPER ON	Other than rear wiper switch ON	Off
	Rear wiper switch ON	On
RR WIPER INT	Other than rear wiper switch INT	Off
	Rear wiper switch INT	On
RR WASHER SW	Rear washer switch OFF	Off
	Rear washer switch ON	On
RR WIPER STOP	Rear wiper is in STOP position	Off
	Rear wiper is not in STOP position	On
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

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Monitor Item	Condition	Value/Status
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
DOOR SW-RR	Rear RH door closed	Off
	Rear RH door opened	On
DOOR SW-RL	Rear LH door closed	Off
	Rear LH door opened	On
DOOR SW-BK	Back door closed	Off
	Back door opened	On
CDL LOCK SW	Other than power door lock switch LOCK	Off
	Power door lock switch LOCK	On
CDL UNLOCK SW	Other than power door lock switch UNLOCK	Off
	Power door lock switch UNLOCK	On
KEY CYL LK-SW	Other than driver door key cylinder LOCK position	Off
	Driver door key cylinder LOCK position	On
KEY CYL UN-SW	Other than driver door key cylinder UNLOCK position	Off
	Driver door key cylinder UNLOCK position	On
KEY CYL SW-TR	NOTE: The item is indicated, but not monitored.	Off
HAZARD SW	Hazard switch is OFF	Off
	Hazard switch is ON	On
REAR DEF SW	NOTE: The item is indicated, but not monitored.	Off
TR CANCEL SW	NOTE: The item is indicated, but not monitored.	Off
TR/BD OPEN SW	Back door opener switch OFF	Off
	While the back door opener switch is turned ON	On
TRNK/HAT MNTR	NOTE: The item is indicated, but not monitored.	Off
REVERSE SW	NOTE: The item is indicated, but not monitored.	Off
RKE-LOCK	LOCK button of the key is not pressed	Off
	LOCK button of the key is pressed	On
RKE-UNLOCK	UNLOCK button of the key is not pressed	Off
	UNLOCK button of the key is pressed	On
RKE-TR/BD	NOTE: The item is indicated, but not monitored.	Off
RKE-PANIC	PANIC button of the key is not pressed	Off
	PANIC button of the key is pressed	On
RKE-P/W OPEN	UNLOCK button of the key is not pressed	Off
	UNLOCK button of the key is pressed and held	On

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Monitor Item	Condition	Value/Status	
RKE-MODE CHG	LOCK/UNLOCK button of the key is not pressed and held simultaneously	Off	A
	LOCK/UNLOCK button of the key is pressed and held simultaneously	On	B
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	C
	Driver door request switch is pressed	On	
REQ SW -AS	Passenger door request switch is not pressed	Off	D
	Passenger door request switch is pressed	On	
REQ SW -RR	NOTE: The item is indicated, but not monitored.	Off	E
REQ SW -RL	NOTE: The item is indicated, but not monitored.	Off	
REQ SW -BD/TR	Back door request switch is not pressed	Off	F
	Back door request switch is pressed	On	
PUSH SW	Push-button ignition switch (push switch) is not pressed	Off	G
	Push-button ignition switch (push switch) is pressed	On	
IGN RLY2 -F/B	NOTE: The item is indicated, but not monitored.	Off	H
ACC RLY -F/B	NOTE: The item is indicated, but not monitored.	Off	
CLUCH SW	NOTE: The item is indicated, but not monitored.	Off	I
BRAKE SW 1	The brake pedal is depressed when No. 7 fuse is blown	Off	J
	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	K
	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	INL
	Selector lever in P or N position	On	
S/L -LOCK	NOTE: The item is indicated, but not monitored.	Off	M
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	N
UNLK SEN -DR	Driver door is unlocked	Off	O
	Driver door is locked	On	
PUSH SW -IPDM	Push-button ignition switch (push-switch) is not pressed	Off	P
	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	

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Monitor Item	Condition	Value/Status
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
ENGINE STATE	Engine stopped	Stop
	While the engine stalls	Stall
	At engine cranking	Crank
	Engine running	Run
S/L LOCK-IPDM	NOTE: The item is indicated, but not monitored.	Off
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
VEH SPEED 1	While driving	Equivalent to speed-ometer reading
VEH SPEED 2	While driving	Equivalent to speed-ometer reading
DOOR STAT-DR	Driver door is locked	LOCK
	Wait with selective UNLOCK operation (5 seconds)	READY
	Driver door is unlocked	UNLOCK
DOOR STAT-AS	Passenger door is locked	LOCK
	Wait with selective UNLOCK operation (5 seconds)	READY
	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
	Ignition switch ON	Set
PRMT ENG STRT	The engine start is prohibited	Reset
	The engine start is permitted	Set
PRMT RKE STRT	NOTE: The item is indicated, but not monitored.	Reset
KEY SW -SLOT	The key is not inserted into key slot	Off
	The key is inserted into key slot	On
RKE OPE COUN1	During the operation of the key	Operation frequency of the key
RKE OPE COUN2	NOTE: The item is indicated, but not monitored.	—
CONFIRM ID ALL	The key ID that the key slot receives does not accord with any key ID registered to BCM.	Yet
	The key ID that the key slot receives accords with any key ID registered to BCM.	Done
CONFIRM ID4	The key ID that the key slot receives does not accord with the fourth key ID registered to BCM.	Yet
	The key ID that the key slot receives accords with the fourth key ID registered to BCM.	Done
CONFIRM ID3	The key ID that the key slot receives does not accord with the third key ID registered to BCM.	Yet
	The key ID that the key slot receives accords with the third key ID registered to BCM.	Done

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

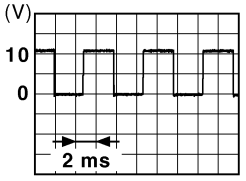
Monitor Item	Condition	Value/Status	
CONFIRM ID2	The key ID that the key slot receives does not accord with the second key ID registered to BCM.	Yet	A
	The key ID that the key slot receives accords with the second key ID registered to BCM.	Done	B
CONFIRM ID1	The key ID that the key slot receives does not accord with the first key ID registered to BCM.	Yet	C
	The key ID that the key slot receives accords with the first key ID registered to BCM.	Done	
TP 4	The ID of fourth key is not registered to BCM	Yet	D
	The ID of fourth key is registered to BCM	Done	
TP 3	The ID of third key is not registered to BCM	Yet	E
	The ID of third key is registered to BCM	Done	
TP 2	The ID of second key is not registered to BCM	Yet	F
	The ID of second key is registered to BCM	Done	
TP 1	The ID of first key is not registered to BCM	Yet	
	The ID of first 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	G
AIR PRESS FR	Ignition switch ON (Only when the signal from the transmitter is received)	Air pressure of front RH tire	H
AIR PRESS RR	Ignition switch ON (Only when the signal from the transmitter is received)	Air pressure of rear RH tire	I
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	J
	ID of front LH tire transmitter is not registered	Yet	
ID REGST FR1	ID of front RH tire transmitter is registered	Done	K
	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	INL
	ID of rear LH tire transmitter is not registered	Yet	
WARNING LAMP	Tire pressure indicator OFF	Off	M
	Tire pressure indicator ON	On	
BUZZER	Tire pressure warning alarm is not sounding	Off	N
	Tire pressure warning alarm is sounding	On	

TERMINAL LAYOUT



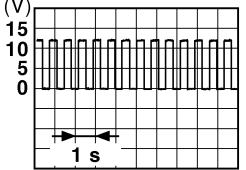
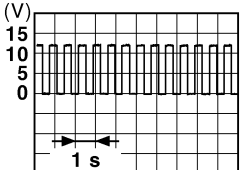
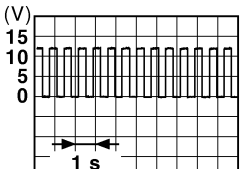
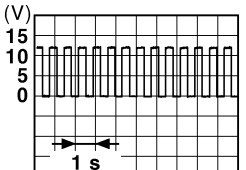
BCM (BODY CONTROL MODULE)

< 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 (W)	Ground	P/W power supply (BAT)	Output	Ignition switch OFF		Battery voltage
3 (Y)	Ground	P/W power supply (RAP)	Output	Ignition switch ON		Battery voltage
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)		Battery voltage
5 (L)	Ground	Passenger door UN- LOCK	Output	Passenger door	UNLOCK (Actuator is activated)	Battery voltage
					Other than UNLOCK (Actuator is not activated)	0 V
7 (Y)	Ground	Step lamp	Output	Step lamp	ON	0 V
					OFF	Battery voltage
8 (V)	Ground	All doors, fuel lid LOCK	Output	All doors	LOCK (Actuator is activated)	Battery voltage
					Other than LOCK (Actuator is not activated)	0 V
9 (G)	Ground	Driver door, fuel lid UNLOCK	Output	Driver door	UNLOCK (Actuator is activated)	Battery voltage
					Other than UNLOCK (Actuator is not activated)	0 V
10 (BR)	Ground	Rear RH door and rear LH door UN- LOCK	Output	Rear RH door and rear LH door	UNLOCK (Actuator is activated)	Battery voltage
					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	NOTE: When the illumination brightening/dimming level is in the neutral position  <small>JSNIA0010GB</small>
15 (Y)	Ground	ACC indicator lamp	Output	Ignition switch	OFF or ON	Battery voltage
					ACC	0 V

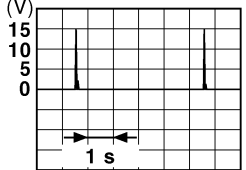
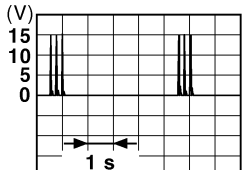
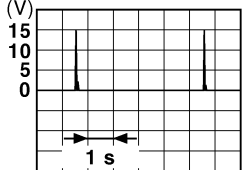
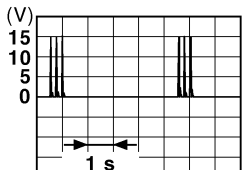
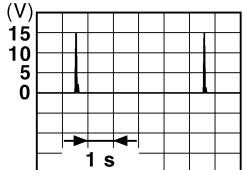
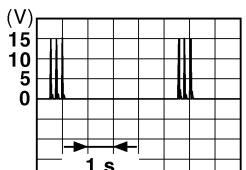
BCM (BODY CONTROL MODULE)

< 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	Room lamp timer control	Output	Interior room lamp	OFF	Battery voltage
					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 (G)	Ground	Back door open	Output	Back door	OPEN (Back door opener actuator is activated)	Battery voltage
					Other than OPEN (Back door opener actuator is not activated)	0 V
25 (G)	Ground	Turn signal LH (Rear)	Output	Ignition switch ON	Turn signal switch OFF	0 V
					Turn signal switch LH	 6.5 V
26 (G)	Ground	Rear wiper	Output	Rear wiper	OFF (Stopped)	0 V
					ON (Operated)	Battery voltage

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition	Value (Approx.)
+	-	Signal name	Input/ Output		
34 (SB)	Ground	Luggage room antenna (-)	Output	Ignition switch OFF	 <p>JMKIA0062GB</p>
				When Intelligent Key is not in the passenger compartment	 <p>JMKIA0063GB</p>
35 (V)	Ground	Luggage room antenna (+)	Output	Ignition switch OFF	 <p>JMKIA0062GB</p>
				When Intelligent Key is not in the passenger compartment	 <p>JMKIA0063GB</p>
38 (B)	Ground	Back door antenna (-)	Output	When the back door opener request switch is operated with ignition switch OFF	 <p>JMKIA0062GB</p>
				When Intelligent Key is not in the antenna detection area	 <p>JMKIA0063GB</p>

A

B

C

D

E

F

G

H

I

J

K

INL

M

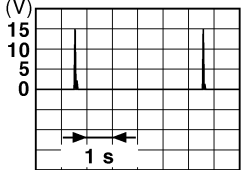
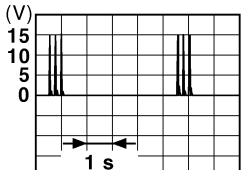
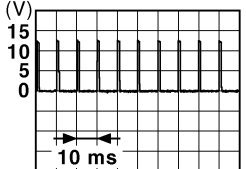
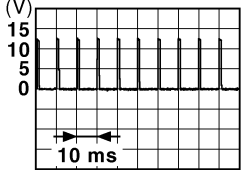
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O

P

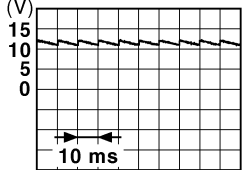
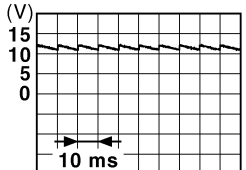
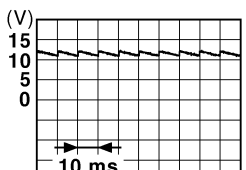
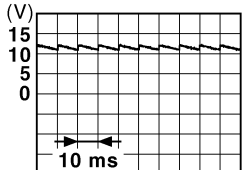
BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition		Value (Approx.)
+	-	Signal name	Input/ Output			
39 (W)	Ground	Back door antenna (+)	Output	When the back door opener request switch is operated with ignition switch OFF	When Intelligent Key is in the antenna detection area	 JMKIA0062GB
				When the back door opener request switch is operated with ignition switch ON	When Intelligent Key is not in the antenna detection area	 JMKIA0063GB
47 (Y)	Ground	Ignition relay (IPDM E/R) control	Output	Ignition switch	OFF or ACC	Battery voltage
					ON	0 V
52 (SB)	Ground	Starter relay control	Output	Ignition switch ON	When selector lever is in P or N position	Battery voltage
					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)	Pressed	0 V
					Not pressed	Battery voltage
61 (W)	Ground	Back door opener request switch	Input	Back door opener request switch	ON (Pressed)	0 V
					OFF (Not pressed)	 1.0 V JPMIA0016GB
64 (V)	Ground	Intelligent Key warning buzzer (Engine room)	Output	Intelligent Key warning buzzer (Engine room)	Sounding	0 V
					Not sounding	Battery voltage
65 (BG)	Ground	Rear wiper stop position	Input	Rear wiper	In stop position	 1.0 V JPMIA0016GB
					Not in stop position	0 V

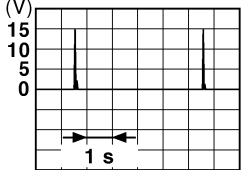
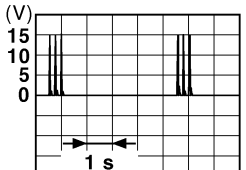
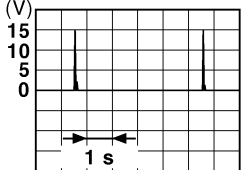
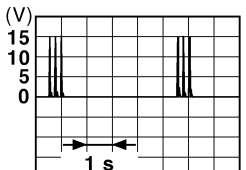
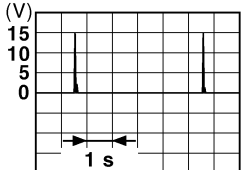
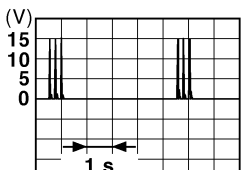
BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition		Value (Approx.)
+	-	Signal name	Input/ Output			
66 (R)	Ground	Back door switch	Input	Back door switch	OFF (Door close)	 <p>JPMIA0011GB</p> <p>11.8 V</p>
					ON (Door open)	0 V
67 (GR)	Ground	Back door opener switch	Input	Back door opener switch	Pressed	0 V
					Not pressed	 <p>JPMIA0011GB</p> <p>11.8 V</p>
68 (BR)	Ground	Rear RH door switch	Input	Rear RH door switch	OFF (Door close)	 <p>JPMIA0011GB</p> <p>11.8 V</p>
					ON (Door open)	0 V
69 (R)	Ground	Rear LH door switch	Input	Rear LH door switch	OFF (Door close)	 <p>JPMIA0011GB</p> <p>11.8 V</p>
					ON (Door open)	0 V

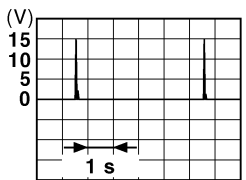
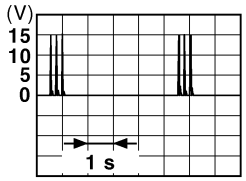
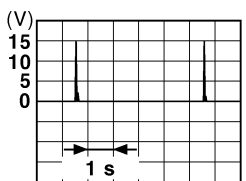
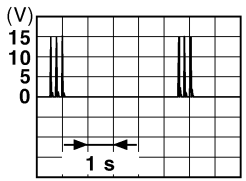
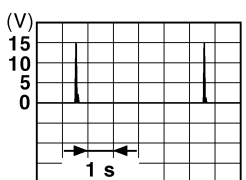
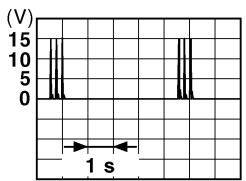
BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition	Value (Approx.)
+	-	Signal name	Input/ Output		
74 (SB)	Ground	Passenger door antenna (-)	Output	When the passenger door request switch is operated with ignition switch OFF	 <p>JMKIA0062GB</p>
				When Intelligent Key is not in the antenna detection area	 <p>JMKIA0063GB</p>
75 (GR)	Ground	Passenger door antenna (+)	Output	When the passenger door request switch is operated with ignition switch OFF	 <p>JMKIA0062GB</p>
				When Intelligent Key is not in the antenna detection area	 <p>JMKIA0063GB</p>
76 (V)	Ground	Driver door antenna (-)	Output	When the driver door request switch is operated with ignition switch OFF	 <p>JMKIA0062GB</p>
				When Intelligent Key is not in the antenna detection area	 <p>JMKIA0063GB</p>

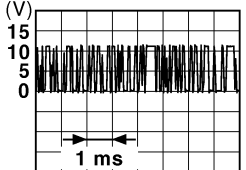
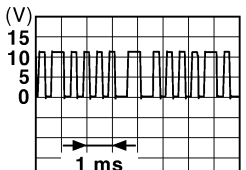
BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition	Value (Approx.)
+	-	Signal name	Input/ Output		
77 (LG)	Ground	Driver door antenna (+)	Output	When the driver door request switch is operated with ignition switch OFF	 <p>JMKIA0062GB</p>
				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	 <p>JMKIA0062GB</p>
				When Intelligent Key is not in the passenger compartment	 <p>JMKIA0063GB</p>
79 (BR)	Ground	Room antenna 1 (+) (Instrument panel)	Output	Ignition switch OFF	 <p>JMKIA0062GB</p>
				When Intelligent Key is not in the passenger compartment	 <p>JMKIA0063GB</p>

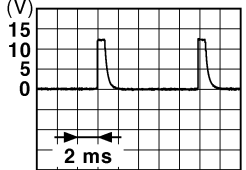
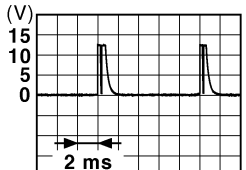
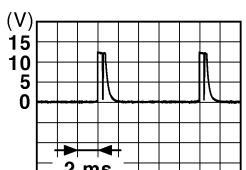
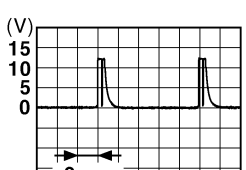
BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition		Value (Approx.)
+	-	Signal name	Input/ Output			
80 (GR)	Ground	NATS antenna amp.	Input/ Output	During waiting	Ignition switch is pressed while inserting the 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 key into the key slot.	Just after pressing ignition switch. Pointer of tester should move.
82 (R)	Ground	Ignition relay [Fuse block (J/B)] control	Output	Ignition switch	OFF or ACC	0 V
					ON	Battery voltage
83 (Y)	Ground	Remote keyless entry receiver communication	Input/ Output	During waiting		 JMKIA0064GB
				When operating either button on the key		 JMKIA0065GB

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition	Value (Approx.)
+	-	Signal name	Input/ Output		
87 (BR)	Ground	Combination switch INPUT 5	Input	Combination switch	<p>All switches OFF (Wiper intermittent dial 4)</p>  <p>1.4 V</p>
				Front fog lamp switch ON (Wiper intermittent dial 4)	 <p>1.3 V</p>
				Rear wiper switch ON (Wiper intermittent dial 4)	 <p>1.3 V</p>
				Any of the conditions below with all switches OFF <ul style="list-style-type: none"> • Wiper intermittent dial 1 • Wiper intermittent dial 2 • Wiper intermittent dial 6 • Wiper intermittent dial 7 	 <p>1.3 V</p>

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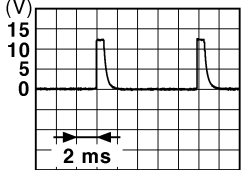
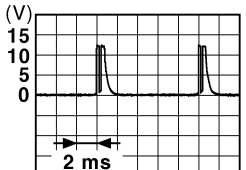

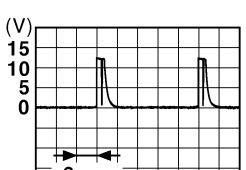
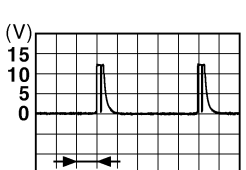
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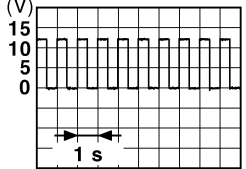
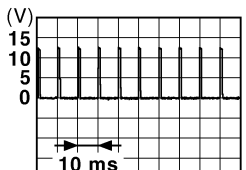
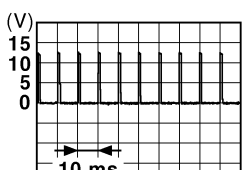
BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition		Value (Approx.)
+	-	Signal name	Input/ Output			
88 (V)	Ground	Combination switch INPUT 3	Input	Combination switch	All switches OFF (Wiper intermittent dial 4)	 <p>JPMIA0041GB</p> <p>1.4 V</p>
					Lighting switch HI (Wiper intermittent dial 4)	 <p>JPMIA0036GB</p> <p>1.3 V</p>
					Lighting switch 2ND (Wiper intermittent dial 4)	 <p>JPMIA0037GB</p> <p>1.3 V</p>
					Rear washer switch ON (Wiper intermittent dial 4)	 <p>JPMIA0039GB</p> <p>1.3 V</p>
					Any of the conditions below with all switches OFF <ul style="list-style-type: none"> • Wiper intermittent dial 1 • Wiper intermittent dial 2 • Wiper intermittent dial 3 	 <p>JPMIA0040GB</p> <p>1.3 V</p>
90 (P)	Ground	CAN-L	Input/ Output	—		—
91 (L)	Ground	CAN-H	Input/ Output	—		—

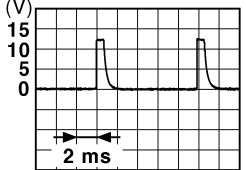

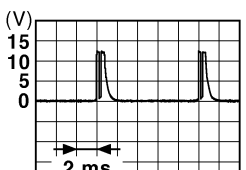
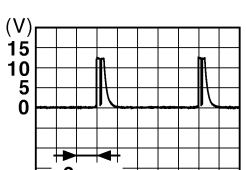
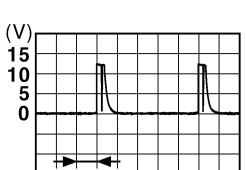
BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition		Value (Approx.)
+	-	Signal name	Input/ Output			
92 (LG)	Ground	Key slot illumination	Output	Key slot illumination	OFF	Battery voltage
					Blinking	 <p>6.5 V</p>
					ON	0 V
93 (V)	Ground	ON indicator lamp	Output	Ignition switch	OFF or ACC	Battery voltage
					ON	0 V
94 (Y)	Ground	Puddle lamp control	Output	Puddle lamp	OFF	Battery voltage
					ON	0 V
95 (BG)	Ground	ACC relay control	Output	Ignition switch	OFF	0 V
					ACC or ON	Battery voltage
96 (GR)	Ground	A/T shift selector (Detention switch) power supply	Output	—		Battery voltage
99 (R)	Ground	Selector lever P position switch	Input	Selector lever	P position	0 V
					Any position other than P	Battery voltage
100 (G)	Ground	Passenger door request switch	Input	Passenger door request switch	ON (Pressed)	0 V
					OFF (Not pressed)	 <p>1.0 V</p>
101 (SB)	Ground	Driver door request switch	Input	Driver door request switch	ON (Pressed)	0 V
					OFF (Not pressed)	 <p>1.0 V</p>
102 (BG)	Ground	Blower fan motor relay control	Output	Ignition switch	OFF or ACC	0 V
					ON	Battery voltage
103 (LG)	Ground	Remote keyless entry receiver power supply	Output	Ignition switch OFF		Battery voltage

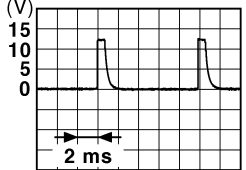
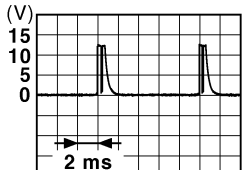

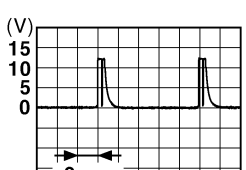

BCM (BODY CONTROL MODULE)

< 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 intermittent dial 4)	All switches OFF	 <p>JPMIA0041GB</p> <p>1.4 V</p>
					Turn signal switch LH	 <p>JPMIA0037GB</p> <p>1.3 V</p>
					Turn signal switch RH	 <p>JPMIA0036GB</p> <p>1.3 V</p>
					Front wiper switch LO	 <p>JPMIA0038GB</p> <p>1.3 V</p>
					Front washer switch ON	 <p>JPMIA0039GB</p> <p>1.3 V</p>

BCM (BODY CONTROL MODULE)

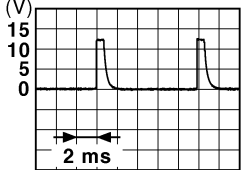

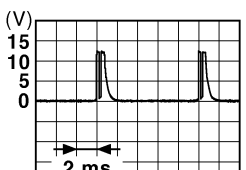
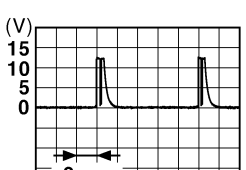
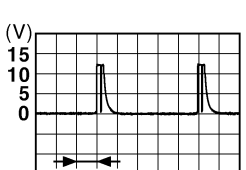
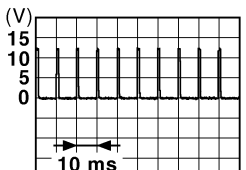
< ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition	Value (Approx.)
+	-	Signal name	Input/ Output		
108 (R)	Ground	Combination switch INPUT 4	Input	Combination switch	All switches OFF (Wiper intermittent dial 4)  JPMIA0041GB 1.4 V
					Lighting switch AUTO (Wiper intermittent dial 4)  JPMIA0038GB 1.3 V
					Lighting switch 1ST (Wiper intermittent dial 4)  JPMIA0036GB 1.3 V
					Rear wiper switch INT (Wiper intermittent dial 4)  JPMIA0040GB 1.3 V
					Any of the conditions below with all switches OFF <ul style="list-style-type: none"> • Wiper intermittent dial 1 • Wiper intermittent dial 5 • Wiper intermittent dial 6  JPMIA0039GB 1.3 V

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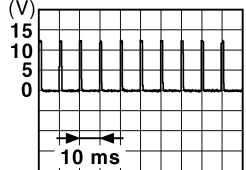
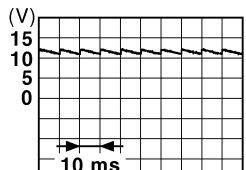
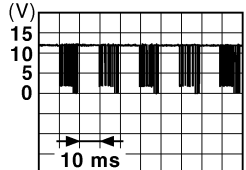
BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition		Value (Approx.)
+	-	Signal name	Input/ Output			
109 (Y)	Ground	Combination switch INPUT 2	Input	Combination switch (Wiper intermit- tent dial 4)	All switches OFF	 <p>JPMIA0041GB</p> <p>1.4 V</p>
					Lighting switch PASS	 <p>JPMIA0037GB</p> <p>1.3 V</p>
					Lighting switch 2ND	 <p>JPMIA0036GB</p> <p>1.3 V</p>
					Front wiper switch INT	 <p>JPMIA0038GB</p> <p>1.3 V</p>
					Front wiper switch HI	 <p>JPMIA0040GB</p> <p>1.3 V</p>
110 (G)	Ground	Hazard switch	Input	Hazard switch	ON	0 V
					OFF	 <p>JPMIA0012GB</p> <p>1.1 V</p>

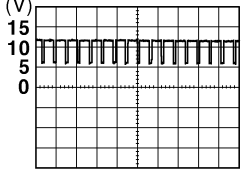
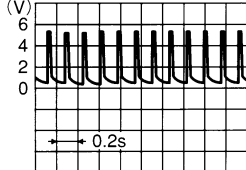

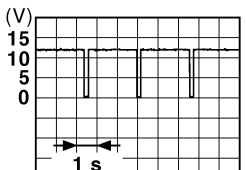
BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition		Value (Approx.)
+	−	Signal name	Input/ Output			
113 (P)	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 (P)	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 de- pressed) 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)	 JPMIA0012GB 1.1 V
					UNLOCK status (Unlock switch sensor ON)	0 V
121 (BR)	Ground	Key slot switch	Input	When the key is inserted into key slot		Battery voltage
				When the key is not inserted into key slot		0 V
123 (W)	Ground	IGN feedback	Input	Ignition switch	OFF or ACC	0 V
					ON	Battery voltage
124 (LG)	Ground	Passenger door switch	Input	Passenger door switch	OFF (Door close)	 JPMIA0011GB 11.8 V
					ON (Door open)	0 V
132 (BR)	Ground	Power window switch communication	Input/ Output	Ignition switch ON		 JPMIA0013GB 10.2 V
				Ignition switch OFF or ACC		Battery voltage



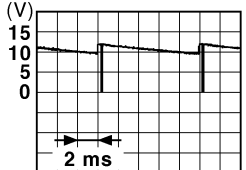
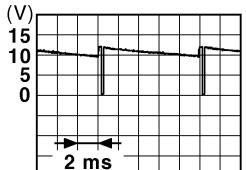
BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition		Value (Approx.)
+	-	Signal name	Input/ Output			
133 (W)	Ground	Push-button ignition switch illumination	Output	Push-button ignition switch illumination	ON (Tail lamps OFF)	9.5 V
					ON (Tail lamps ON)	NOTE: The pulse width of this wave is varied by the illumination bright- ening/dimming level.  <small>JPMIA0159GB</small>
					OFF	0 V
134 (GR)	Ground	LOCK indicator lamp	Output	LOCK indicator lamp	OFF	Battery voltage
					ON	0 V
137 (BG)	Ground	Receiver and sensor ground	Input	Ignition switch ON		0 V
138 (Y)	Ground	Receiver and sensor power supply	Output	Ignition switch	OFF	0 V
					ACC or ON	5.0 V
139 (L)	Ground	Tire pressure receiv- er communication	Input/ Output	Ignition switch ON	Standby state	 <small>OCC3881D</small>
					When receiving the signal from the transmitter	 <small>OCC3880D</small>
140 (GR)	Ground	Selector lever P/N position	Input	Selector lever	P or N position	Battery voltage
					Except P and N positions	0 V
141 (G)	Ground	Security indicator	Output	Security indicator	ON	0 V
					Blinking	 <small>JPMIA0014GB</small> 11.3 V
					OFF	Battery voltage

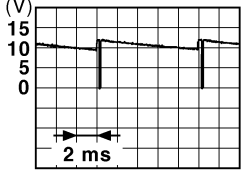
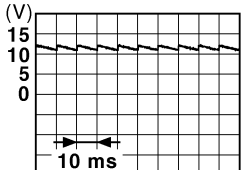
BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition	Value (Approx.)
+	-	Signal name	Input/ Output		
142 (BG)	Ground	Combination switch OUTPUT 5	Output	All switches OFF	0 V
				Lighting switch 1ST	
				Lighting switch HI	
				Lighting switch 2ND	
				Turn signal switch RH	
143 (P)	Ground	Combination switch OUTPUT 1	Output	All switches OFF (Wiper intermittent dial 4)	0 V
				Front wiper switch HI (Wiper intermittent dial 4)	
				Rear wiper switch INT (Wiper intermittent dial 4)	
				Any of the conditions below with all switches OFF	
				<ul style="list-style-type: none"> • Wiper intermittent dial 1 • Wiper intermittent dial 2 • Wiper intermittent dial 3 • Wiper intermittent dial 6 • Wiper intermittent dial 7 	
144 (G)	Ground	Combination switch OUTPUT 2	Output	All switches OFF (Wiper intermittent dial 4)	0 V
				Front washer switch ON (Wiper intermittent dial 4)	
				Rear wiper switch ON (Wiper intermittent dial 4)	
				Rear washer switch ON (Wiper intermittent dial 4)	
				Any of the conditions below with all switches OFF	
145 (L)	Ground	Combination switch OUTPUT 3	Output	All switches OFF	0 V
				Front wiper switch INT	
				Front wiper switch LO	
				Lighting switch AUTO	

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

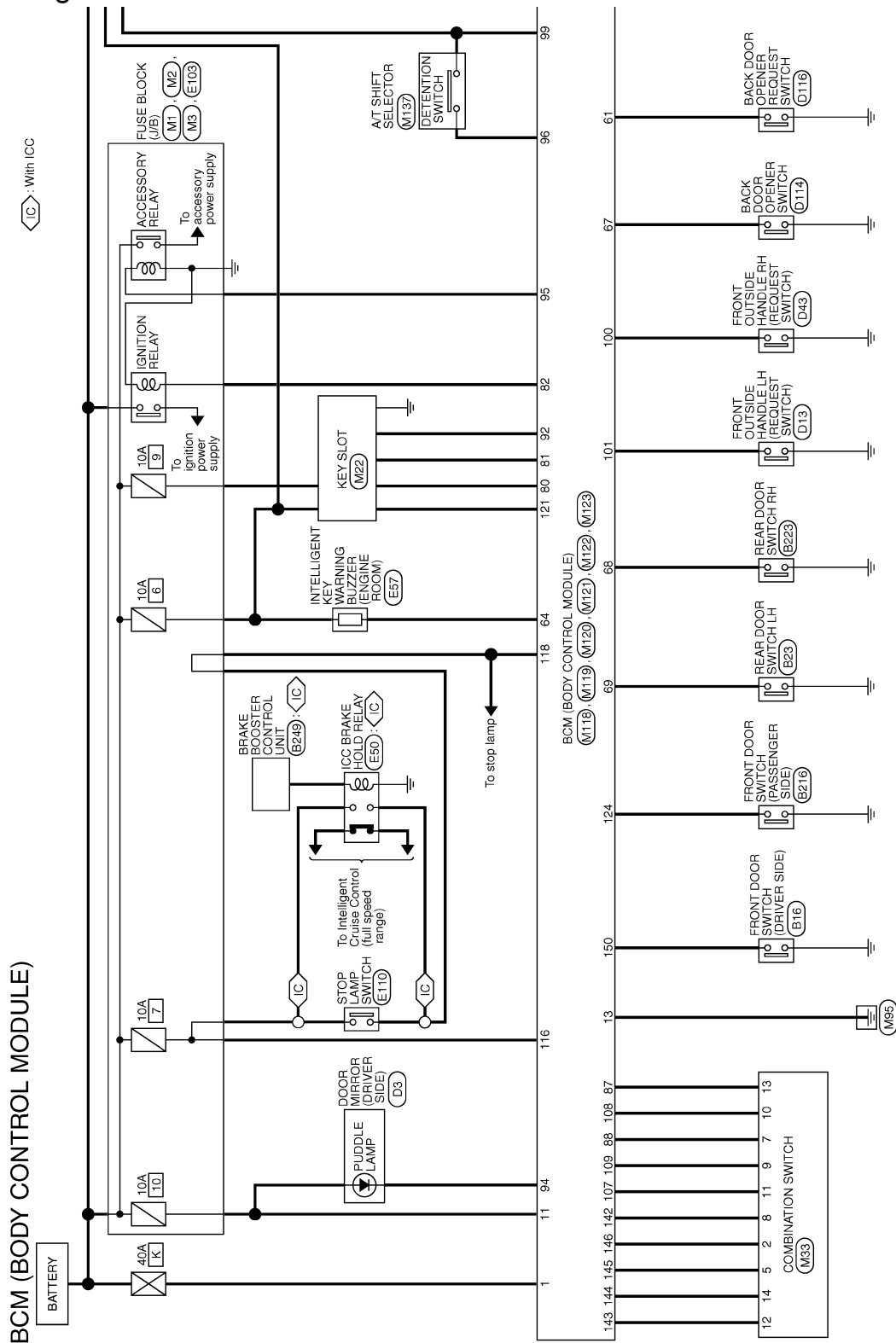
Terminal No. (Wire color)		Description		Condition		Value (Approx.)
+	-	Signal name	Input/ Output			
146 (SB)	Ground	Combination switch OUTPUT 4	Output	Combination switch (Wiper intermit- tent dial 4)	All switches OFF	0 V
					Front fog lamp switch ON	 <p>JPMIA0035GB</p>
					Lighting switch 2ND	
					Lighting switch PASS	
					Turn signal switch LH	10.7 V
150 (LG)	Ground	Driver door switch	Input	Driver door switch	OFF (Door close)	 <p>JPMIA0011GB</p> <p>11.8 V</p>
					ON (Door open)	0 V
151 (G)	Ground	Rear window defog- ger relay control	Output	Rear window de- fogger	Active	0 V
					Not activated	Battery voltage

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Wiring Diagram - BCM -

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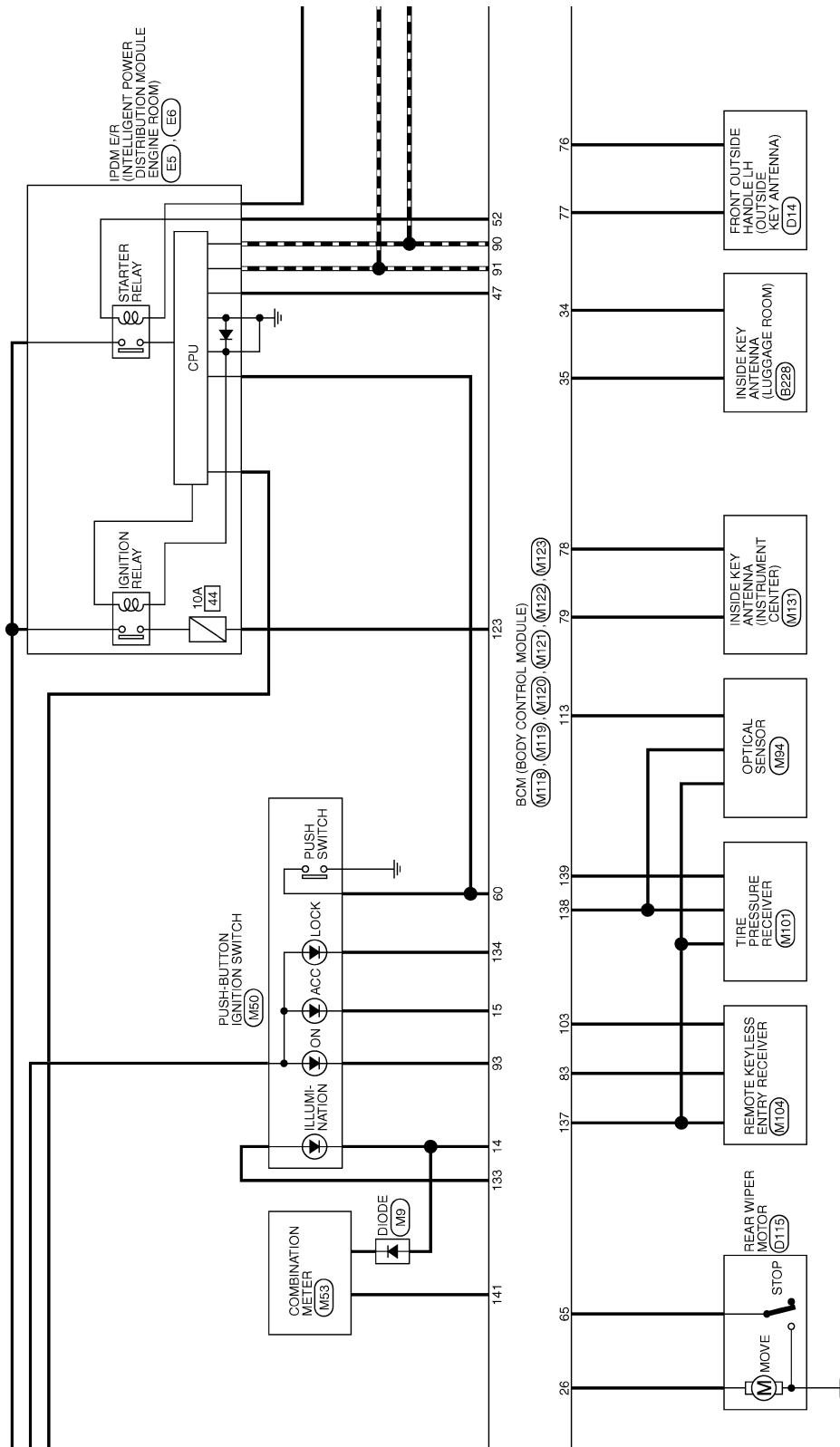
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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

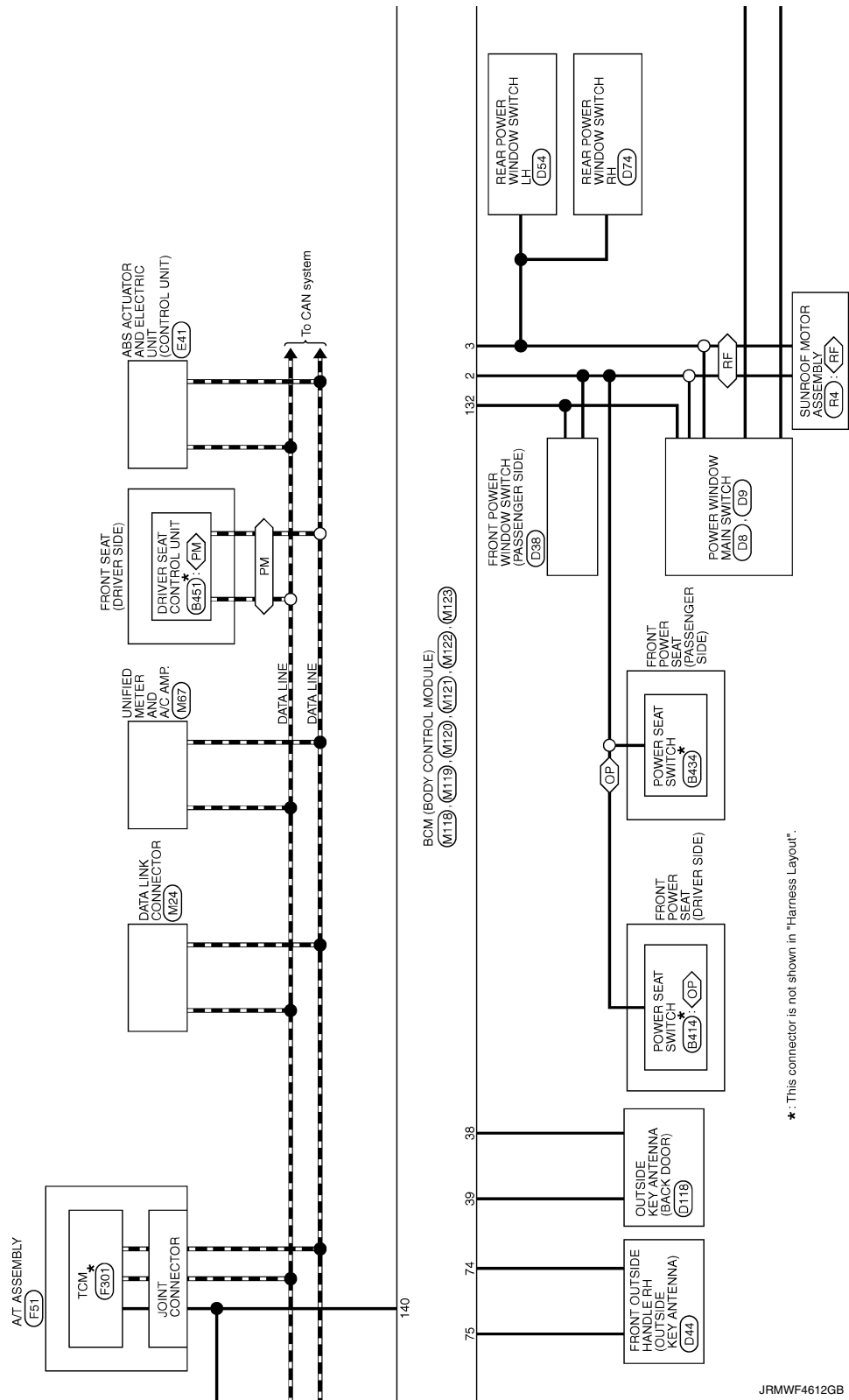


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BCM (BODY CONTROL MODULE)

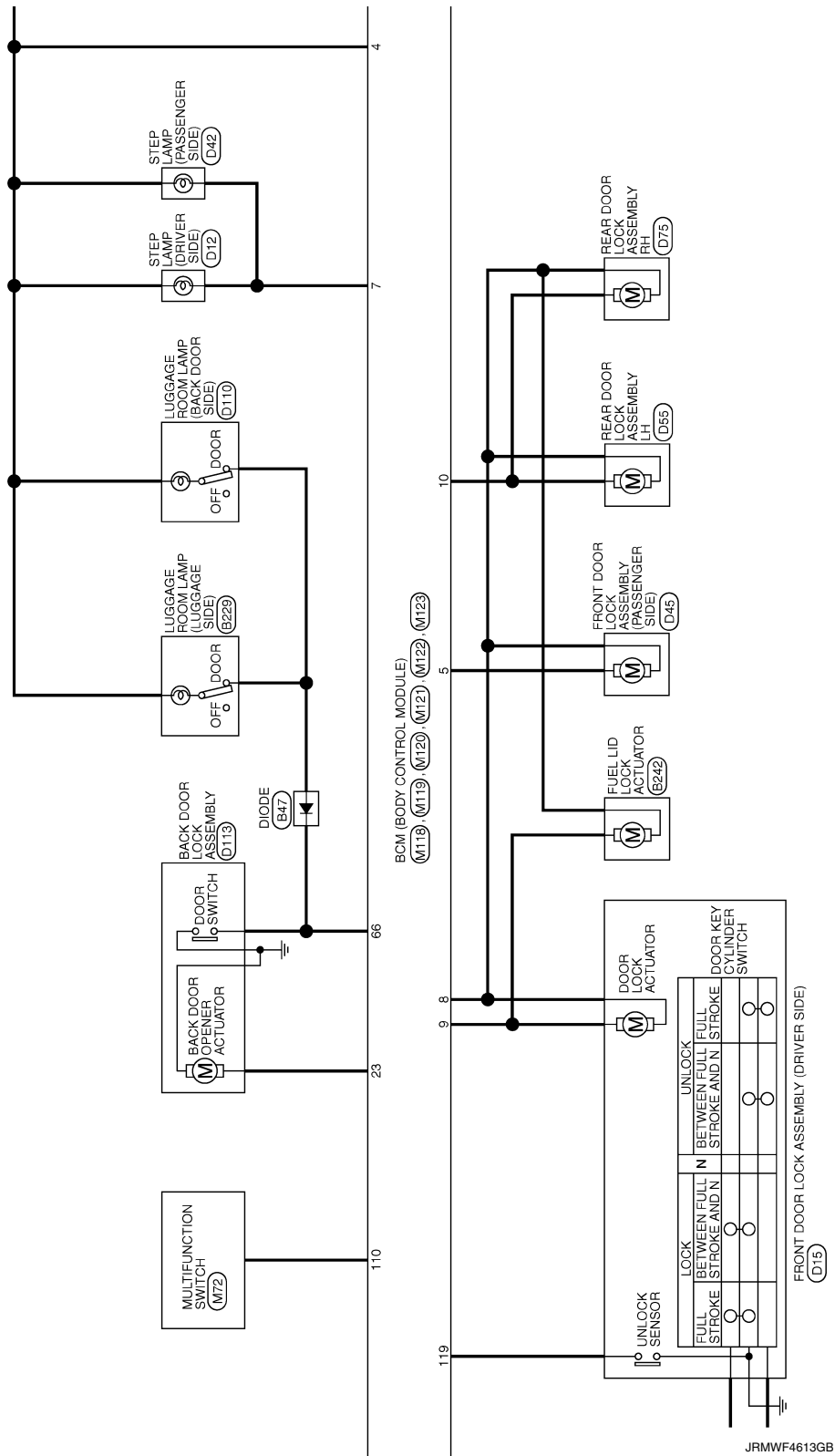
< ECU DIAGNOSIS INFORMATION >

RF : With sunroof
PM : With automatic drive positioner
OP : Without automatic drive positioner



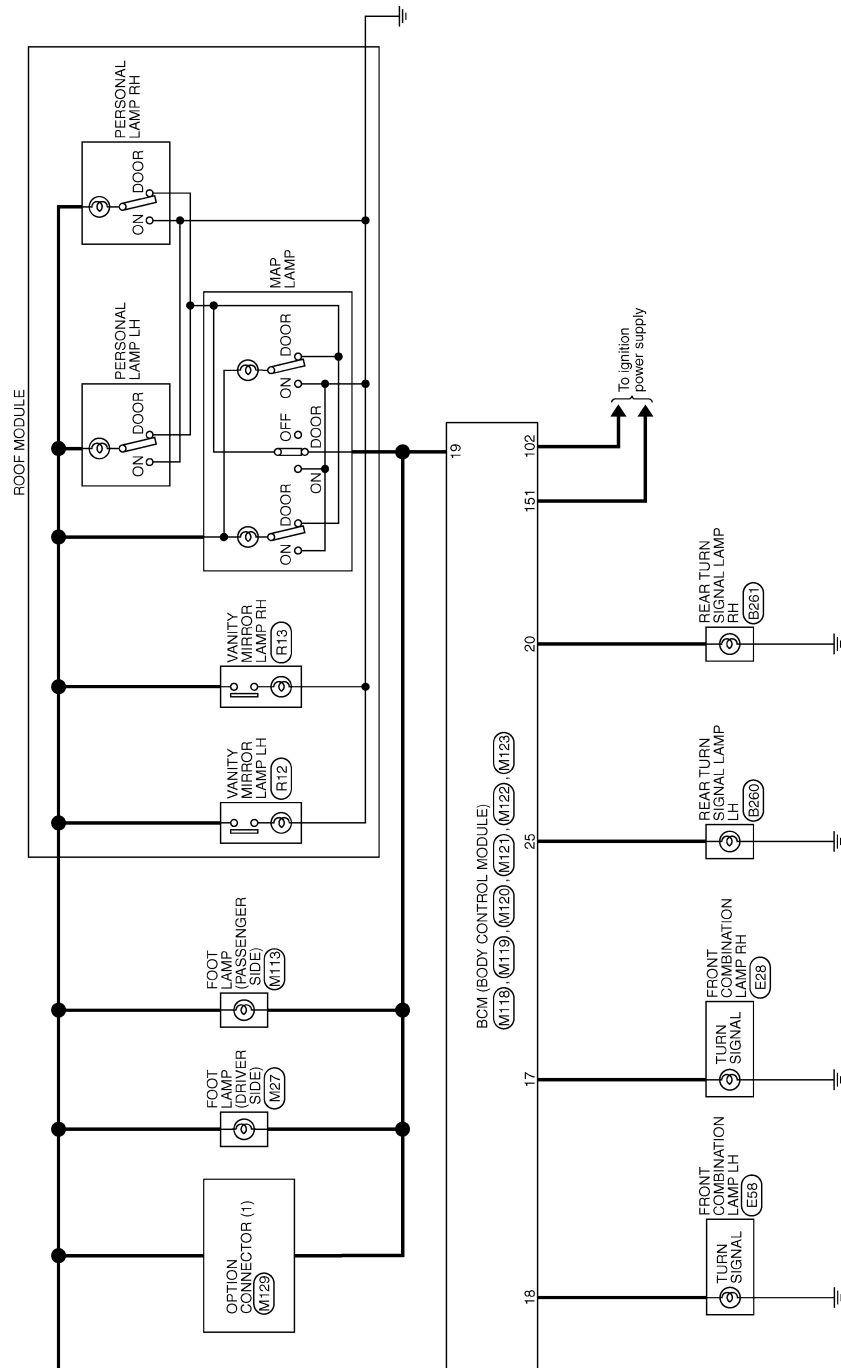
BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >



BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >



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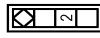
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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

BCM (BODY CONTROL MODULE)

Connector No.	B16
Connector Name	FRONT DOOR SWITCH (DRIVER SIDE)
Connector Type	A03FW

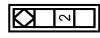


Terminal No.	2
Color	B
Wire	L
Signal Name [Specification]	—



Terminal No.	2
Color	V
Wire	—
Signal Name [Specification]	—

Connector No.	B23
Connector Name	REAR DOOR SWITCH LH
Connector Type	A03FW



Terminal No.	2
Color	L
Wire	—
Signal Name [Specification]	—



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

Connector No.	B47
Connector Name	DIODE
Connector Type	24335 C9600



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

Connector No.	B228
Connector Name	INSIDE KEY ANTENNA (LUGGAGE ROOM)
Connector Type	TK02FGY



Terminal No.	1
Color	V
Wire	SB
Signal Name [Specification]	—

Connector No.	B229
Connector Name	LUGGAGE ROOM LAMP (LUGGAGE SIDE)
Connector Type	TK03FW



Terminal No.	2
Color	L
Wire	—
Signal Name [Specification]	—

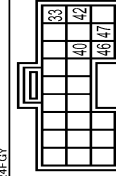
Terminal No.	1
Color	BR
Wire	—
Signal Name [Specification]	—

Connector No.	B242
Connector Name	FUEL LID LOCK ACTUATOR
Connector Type	M04FW-LG



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

Connector No.	B249
Connector Name	BRAKE BOOSTER CONTROL UNIT
Connector Type	TK24FGY



Terminal No.	33
Color	—
Wire	—
Signal Name [Specification]	IGNITION

Terminal No.	40
Color	—
Wire	—
Signal Name [Specification]	REAR OFF SW

Terminal No.	42
Color	G
Wire	—
Signal Name [Specification]	IGNITION

Terminal No.	46
Color	B
Wire	—
Signal Name [Specification]	GROUND

Terminal No.	47
Color	V
Wire	—
Signal Name [Specification]	BRAKE HOLD RLY DRIVE SIGNAL

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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

BCM (BODY CONTROL MODULE)

Connector No.	B260
Connector Name	REAR TURN SIGNAL LAMP LH
Connector Type	HS02FC-W



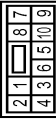
Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	-
2	B	-

Connector No.	B261
Connector Name	REAR TURN SIGNAL LAMP RH
Connector Type	HS02FC-W



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

Connector No.	B414
Connector Name	POWER SEAT SWITCH
Connector Type	NS10FW-GS



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

Connector No.	B414
Connector Name	POWER SEAT SWITCH
Connector Type	NS10FW-GS



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

Connector No.	B451
Connector Name	DRIVER SEAT CONTROL UNIT
Connector Type	TH2FW



Terminal No.	Color Of Wire	Signal Name [Specification]
1	-	GAN-H
2	-	UART (TX/RX)
4	-	PULSE (RECLINER)
5	-	PULSE (TELESCOPIC)
6	-	ADDRESS 2
7	-	IND 2
8	-	SLIDE SW (BACKWARD)
9	-	RECLINER SW (BACKWARD)
10	-	FRONT LIFTER SW (DOWNWARD)
11	-	REAR LIFTER SW (DOWNWARD)
12	-	POWER SUPPLY (ENCODER)
17	-	GAN-L
18	-	PULSE (SLIDE)
19	-	PULSE (FRONT LIFTER)
20	-	PULSE (REAR LIFTER)
21	-	PULSE (TEL)
22	-	ADDRESS 1
23	-	IND 1
24	-	SLIDE SW (FORWARD)
25	-	RECLINER SW (FORWARD)
26	-	FRONT LIFTER SW (UPWARD)
27	-	REAR LIFTER SW (UPWARD)
28	-	SET SW

Connector No.	D3
Connector Name	DOOR MIRROR (DRIVER SIDE)
Connector Type	TH2MM-H4



Terminal No.	Color Of Wire	Signal Name [Specification]
2	O	-
3	B	SIDE CAMERA LH COMM
5	Y	SIDE CAMERA LH IMAGE SIGNAL
6	R	SIDE CAMERA LH POWER SUPPLY
7	W	-
10	G	-
11	P	-
12	O	-
14	LG	-
17	G	SIDE CAMERA LH IMAGE GND
18	W	-
19	B	-
21	GR	-
22	BR	-
23	Y	-
24	V	-

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



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

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

BCM (BODY CONTROL MODULE)

Connector No.	D13
Connector Name	FRONT OUTSIDE HANDLE LH (REQUEST SWITCH)
Connector Type	RK02FL



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



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

Connector No.	D12
Connector Name	STEP LAMP (DRIVER SIDE)
Connector Type	IB02FW



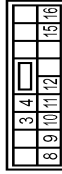
Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	SB	-

Connector No.	D15
Connector Name	FRONT DOOR LOCK ASSEMBLY (DRIVER SIDE)
Connector Type	EB02FY-RS



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

Connector No.	D38
Connector Name	FRONT POWER WINDOW SWITCH (PASSENGER SIDE)
Connector Type	HS16FW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
3	L	-
4	G	-
8	W	-
9	G	-
10	W	-
11	B	-
12	R	-
15	O	-
16	V	-

Connector No.	D42
Connector Name	STEP LAMP (PASSENGER SIDE)
Connector Type	IB02FW



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	-

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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

BCM (BODY CONTROL MODULE)

Connector No.	D44
Connector Name	FRONT OUTSIDE HANDLE RH (OUTSIDE KEY ANTENNA)
Connector Type	PKG2MGY



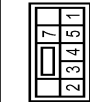
Terminal No.	Color Of Wire	Signal Name [Specification]
1	P	-
2	V	-

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



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

Connector No.	D54
Connector Name	REAR POWER WINDOW SWITCH LH
Connector Type	NS38FW-CS



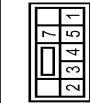
Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	V	-
3	G	-
4	L	-
5	W	-
7	B	-

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



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

Connector No.	D74
Connector Name	REAR POWER WINDOW SWITCH RH
Connector Type	NS38FW-CS



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

Connector No.	D75
Connector Name	REAR DOOR LOCK ASSEMBLY RH
Connector Type	EDFGY-RS



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

Connector No.	D110
Connector Name	LUGGAGE ROOM LAMP (BACK DOOR SIDE)
Connector Type	TKG3FW



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

Connector No.	D113
Connector Name	BACK DOOR LOCK ASSEMBLY
Connector Type	NS04FW-CS



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

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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

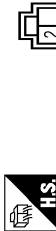
BCM (BODY CONTROL MODULE)

Connector No.	D114
Connector Name	BACK DOOR OPENER SWITCH
Connector Type	TK02MBR-P



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

Connector No.	D115
Connector Name	REAR WIPER MOTOR
Connector Type	CJ0JFW-IV



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

Connector No.	D116
Connector Name	BACK DOOR OPENER REQUEST SWITCH
Connector Type	TK02MBR-P



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

Connector No.	D118
Connector Name	OUTSIDE KEY ANTENNA (BACK DOOR)
Connector Type	RK0ZFGY



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

Connector No.	E5
Connector Name	POWER-5 INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	TH08FW-CS12-M4-IV



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

Connector No.	E5
Connector Name	POWER-5 INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	TH08FW-M4



Terminal No.	Color Of Wire	Signal Name [Specification]
39	P	-
40	L	-
41	B/W	-
43	SB	-
44	BR	-
45	G	-
46	R	-

Connector No.	E28
Connector Name	FRONT COMBINATION LAMP RH
Connector Type	RS08EB-PR



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

Connector No.	E41
Connector Name	ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)
Connector Type	BAA4ZPB-AH24-LH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	GROUND
2	G	UBMR
3	R	UBVR
4	B	GROUND
5	Y	DS FL
6	BG	DP RL
7	BR	DP RL
9	B	DP FR
10	W	DS FR
12	L	DS FR
14	P	VAC
15	SHIELD	CAN-L
19	P	GROUND
21	P	UST

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

BCM (BODY CONTROL MODULE)

Connector No.	ES8
Connector Name	FRONT COMBINATION LAMP LH
Connector Type	RS30FB-PR



Connector No.	E50
Connector Name	ICC BRAKE HOLD RELAY
Connector Type	MOBEGY-R-US



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

Connector No.	E57
Connector Name	INTELLIGENT KEY WARNING BUZZER (ENGINE ROOM)
Connector Type	IK03PER



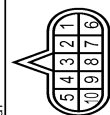
Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
3	V	-

Connector No.	E110
Connector Name	STOP LAMP SWITCH
Connector Type	MO4FW-LC



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

Connector No.	F51
Connector Name	A/T ASSEMBLY
Connector Type	RK10FG-D0Y



Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	IGNITION POWER SUPPLY
2	BR	BATTERY POWER SUPPLY
3	O	CAN-H
4	V	K-LINE
5	B	GROUND
6	Y	IGNITION POWER SUPPLY
7	R	BACK-UP LAMP RELAY
8	LG	CAN-L
9	GR	STARTER RELAY
10	B	GROUND

Connector No.	F301
Connector Name	TCM
Connector Type	SP10FG



Terminal No.	Color Of Wire	Signal Name [Specification]
1	-	IGNITION POWER SUPPLY
2	-	BATTERY POWER SUPPLY
3	-	CAN-H
4	-	K-LINE
5	-	GROUND
6	-	IGNITION POWER SUPPLY
7	-	BACK-UP LAMP RELAY
8	-	CAN-L
9	-	STARTER RELAY
10	-	GROUND

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



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

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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

BCM (BODY CONTROL MODULE)

Connector No.	M2
Connector Name	FUSE BLOCK (J/B)
Connector Type	INS10PW-CS



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

Connector No.	M3
Connector Name	FUSE BLOCK (J/B)
Connector Type	INS12FW-CS



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

Connector No.	M9
Connector Name	DIODE
Connector Type	2433E CS900



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

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



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

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



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

Connector No.	M27
Connector Name	FOOT LAMP (DRIVER SIDE)
Connector Type	AG2FW



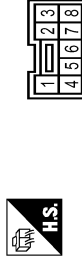
Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	BR	-

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



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

Connector No.	M50
Connector Name	PUSH-BUTTON IGNITION SWITCH
Connector Type	TX08BER



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

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

BCM (BODY CONTROL MODULE)		
7	V	—
8	P	—

Connector No.	M63
Connector Name	COMBINATION METER
Connector Type	TH46FW-NH



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

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Connector No.	M113
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	402FW



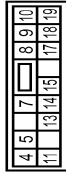
Terminal No.	Color	Wire	Signal Name [Specification]
1	R	BR	-
2	BR		-

Connector No.	M118
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	M03FB-4C



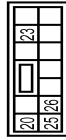
Terminal No.	Color	Wire	Signal Name [Specification]
1	W		BAT (F/L)
2	W		POWER WINDOW POWER SUPPLY (BAT)
3	Y		POWER WINDOW POWER SUPPLY (RAP)

Connector No.	M119
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	NS16FW-CS



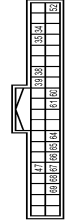
Terminal No.	Color	Wire	Signal Name [Specification]
4	LG		INTERIOR ROOM LAMP POWER SUPPLY
5	L		PASSENGER DOOR UNLOCK OUTPUT
7	Y		STEP LAMP CONT
8	V		ALL DOOR FUEL LID LOCK OUTPUT
9	G		DRIVER DOOR UNLOCK OUTPUT
10	BR		REAR DOOR UNLOCK OUTPUT
11	R		BAT (FUSE)
13	B		GROUND
14	W		PUSH-BUTTON IGNITION SW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

Connector No.	M120
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	NS12FW-CS



Terminal No.	Color	Wire	Signal Name [Specification]
20	V		TURN SIGNAL RH (REAR)
23	G		BACK DOOR OPEN OUTPUT
25	G		TURN SIGNAL LH (REAR)
26	G		REAR WIPER OUTPUT

Connector No.	M121
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH48GY-NH



Terminal No.	Color	Wire	Signal Name [Specification]
34	SB		LUGGAGE ROOM ANT-
35	V		LUGGAGE ROOM ANT+
38	B		BACK DOOR ANT-
39	W		BACK DOOR ANT+
47	Y		IGN RELAY (PDM E/R) CONT
52	SB		STARTER RELAY CONT
60	BR		PUSH SW
61	W		BACK DOOR OPENER REQUEST SW
64	V		I-KEY WARN BUZZER (ENG ROOM)
65	BG		REAR WIPER STOP POSITION
66	R		BACK DOOR SW
67	GR		BACK DOOR OPENER SW
68	BR		REAR RH DOOR SW
69	R		REAR LH DOOR SW

Connector No.	M122
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH48FB-NH



Terminal No.	Color	Wire	Signal Name [Specification]
74	SB		PASSENGER DOOR ANT-
75	GR		PASSENGER DOOR ANT+
76	V		DRIVER DOOR ANT-
77	LG		DRIVER DOOR ANT+
78	Y		ROOM ANT-
79	BR		ROOM ANT+

80	GR	NATS ANT AMP
81	W	NATS ANT AMP
82	R	IGN RELAY F/B CONT
87	Y	KEYLESS ENTRY RECEIVER COM1
87	BR	COMBI SW INPUT 5
88	V	COMBI SW INPUT 3
89	P	CAN-H
91	L	CAN-L
92	LG	KEY SLOT ILL CONT
93	V	ON IND
94	Y	FLOOD LAMP CONT
95	BG	ACC RELAY CONT
96	GR	A/T SHIFT SELECTOR POWER SUPPLY
99	R	SHIFT P
100	G	PASSENGER DOOR REQUEST SW
101	SB	DRIVER DOOR REQUEST SW
102	BG	BLOWER FAN MOTOR RELAY CONT
103	LG	KEYLESS ENTRY RECEIVER POWER SUPPLY
107	LG	COMBI SW INPUT 1
108	R	COMBI SW INPUT 2
109	Y	COMBI SW INPUT 4
110	G	HAZARD SW

Connector No.	M123
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH48FG-NH



Terminal No.	Color	Wire	Signal Name [Specification]
113	P		OPTICAL SENSOR
116	SB		STOP LAMP SW 1
118	P		STOP LAMP SW 2
119	SB		DR DOOR UNLOCK SENSOR
121	BR		KEY SLOT SW
123	W		IGN F/B
124	LG		PASSENGER DOOR SW
132	BR		POWER WINDOW SW COMM
133	W		PUSH-BUTTON IGNITION SW ILL POWER
134	GR		LOCK IND
137	BG		RECEIVER SENSOR GND
138	Y		RECEIVER SENSOR POWER SUPPLY

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

BCM (BODY CONTROL MODULE)

139	L	TIRE PRESSURE RECEIVER COMM
140	GR	SHIFT N/P
141	G	SECURITY IND LAMP CONT
142	BG	COMB SW OUTPUT 3
143	P	COMB SW OUTPUT 1
144	G	COMB SW OUTPUT 2
145	L	COMB SW OUTPUT 3
146	SB	COMB SW OUTPUT 4
150	LG	DRIVER DOOR SW
151	G	REAR WINDOW DEFROGGER RELAY CONT

Connector No.	M179
Connector Name	OPTION CONNECTOR (1)
Connector Type	TH68MW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
3	G	-
6	R	-

Connector No.	M131
Connector Name	INSIDE KEY ANTENNA (INSTRUMENT CENTER)
Connector Type	HR05FGY



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

Connector No.	M137
Connector Name	A/T SHIFT SELECTOR
Connector Type	TH12FW-NH



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

Connector No.	R4
Connector Name	SUNROOF MOTOR ASSEMBLY
Connector Type	YEAL0FGY



Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	SW-BIT1
5	P	SW-BIT0
7	BR	+B
8	L	SPEED SENSOR(2P)
9	Y	TIMER(+IGN)
10	G	GROUND

Connector No.	RI2
Connector Name	VANITY MIRROR LAMP LH
Connector Type	MCAD0FW



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

Connector No.	RI3
Connector Name	VANITY MIRROR LAMP RH
Connector Type	MCAD0FW



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

Fail-safe

FAIL-SAFE CONTROL BY DTC

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

JRMWF4757GB

INFOID:0000000011043808

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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 (Battery voltage) 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: STARTER RELAY CIRC	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

REAR WIPER MOTOR PROTECTION

BCM detects the rear wiper stopping position according to the rear wiper stop position signal.

When the rear wiper stop position signal does not change for more than 5 seconds while driving the rear wiper, BCM stops power supply to protect the rear wiper motor.

Condition of cancellation

1. More than 1 minute is passed after the rear wiper stops.
2. Turn rear wiper switch OFF.
3. Operate the rear wiper switch or rear washer switch.

DTC Inspection Priority Chart

INFOID:0000000011043809

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

DTC Index

INFOID:0000000011043810

INL

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-19, "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 page
No DTC is detected. further testing may be required.	—	—	—	—	—
U1000: CAN COMM CIRCUIT	—	—	—	—	BCS-42
U1010: CONTROL UNIT (CAN)	—	—	—	—	BCS-43
U0415: VEHICLE SPEED SIG	—	—	—	—	BCS-44
B2190: NATS ANTENNA AMP	×	—	—	—	SEC-40

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 page
B2191: DIFFERENCE OF KEY	×	—	—	—	SEC-43
B2192: ID DISCORD BCM-ECM	×	—	—	—	SEC-44
B2193: CHAIN OF BCM-ECM	×	—	—	—	SEC-45
B2195: ANTI SCANNING	×	—	—	—	SEC-46
B2553: IGNITION RELAY	—	×	—	—	PCS-51
B2555: STOP LAMP	—	×	—	—	SEC-47
B2556: PUSH-BTN IGN SW	—	×	×	—	SEC-49
B2557: VEHICLE SPEED	×	×	×	—	SEC-51
B2560: STARTER CONT RELAY	×	×	×	—	SEC-52
B2562: LOW VOLTAGE	—	×	—	—	BCS-45
B2601: SHIFT POSITION	×	×	×	—	SEC-53
B2602: SHIFT POSITION	×	×	×	—	SEC-56
B2603: SHIFT POSI STATUS	×	×	×	—	SEC-59
B2604: PNP SW	×	×	×	—	SEC-62
B2605: PNP SW	×	×	×	—	SEC-64
B2608: STARTER RELAY	×	×	×	—	SEC-66
B260A: IGNITION RELAY	×	×	×	—	PCS-53
B260F: ENG STATE SIG LOST	×	×	×	—	SEC-68
B2614: ACC RELAY CIRC	—	×	×	—	PCS-55
B2615: BLOWER RELAY CIRC	—	×	×	—	PCS-58
B2616: IGN RELAY CIRC	—	×	×	—	PCS-61
B2617: STARTER RELAY CIRC	×	×	×	—	SEC-71
B2618: BCM	×	×	×	—	PCS-64
B261A: PUSH-BTN IGN SW	—	×	×	—	SEC-73
B261E: VEHICLE TYPE	×	×	× (Turn ON for 15 seconds)	—	SEC-76
B2621: INSIDE ANTENNA	—	×	—	—	DLK-58
B2623: INSIDE ANTENNA	—	×	—	—	DLK-60
B26E1: ENG STATE NO RES	×	×	×	—	SEC-69
B26EA: KEY REGISTRATION	—	×	× (Turn ON for 15 seconds)	—	SEC-70
C1704: LOW PRESSURE FL	—	—	—	×	WT-24
C1705: LOW PRESSURE FR	—	—	—	×	
C1706: LOW PRESSURE RR	—	—	—	×	
C1707: LOW PRESSURE RL	—	—	—	×	
C1708: [NO DATA] FL	—	—	—	×	WT-26
C1709: [NO DATA] FR	—	—	—	×	
C1710: [NO DATA] RR	—	—	—	×	
C1711: [NO DATA] 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 page
C1716: [PRESSDATA ERR] FL	—	—	—	×	WT-29
C1717: [PRESSDATA ERR] FR	—	—	—	×	
C1718: [PRESSDATA ERR] RR	—	—	—	×	
C1719: [PRESSDATA ERR] RL	—	—	—	×	
C1729: VHCL SPEED SIG ERR	—	—	—	×	WT-31
C1734: CONTROL UNIT	—	—	—	×	WT-33

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INTERIOR LIGHTING SYSTEM SYMPTOMS

< SYMPTOM DIAGNOSIS >

SYMPTOM DIAGNOSIS

INTERIOR LIGHTING SYSTEM SYMPTOMS

Symptom Table

INFOID:0000000010594150

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. • Map lamp • Personal lamp • Foot lamp • Luggage room lamp • Step lamp • Vanity mirror lamp	• Harness between BCM and each interior room lamp • BCM	Interior room lamp power supply circuit Refer to INL-21 .
• 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.	• Harness between BCM and each door switch • Harness between BCM and each interior room lamp • BCM	Door switch circuit Refer to DLK-63 . Interior room lamp control circuit Refer to INL-23 .
• Puddle lamp does not turn ON even though the door is open. • Puddle lamp does not turn OFF even though the door is closed.	• Harness between BCM and each door switch • Harness between BCM and puddle lamp • BCM	Door switch circuit Refer to DLK-63 . Puddle lamp 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. (The map lamp and the personal lamp turn ON.) Step lamps (driver side and passenger side) do not turn OFF. (The map lamp and the personal lamp turn OFF.)	• Harness between BCM and each step lamp • BCM	Step lamp circuit Refer to INL-25 .
Push-button ignition switch illumination does not illuminate.	• Harness between BCM and push-button ignition switch • BCM	Push-button ignition switch illumination circuit Refer to INL-28 .
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:0000000010594151

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:0000000011008334

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.).

PRECAUTIONS

< PRECAUTION >

Precautions for Removing Battery Terminal

INFOID:0000000011008335

- 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.

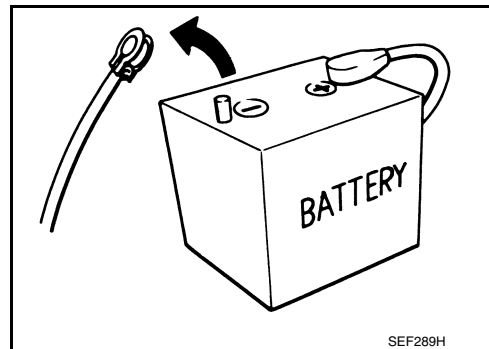
NOTE:

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.



SEF289H

MAP LAMP

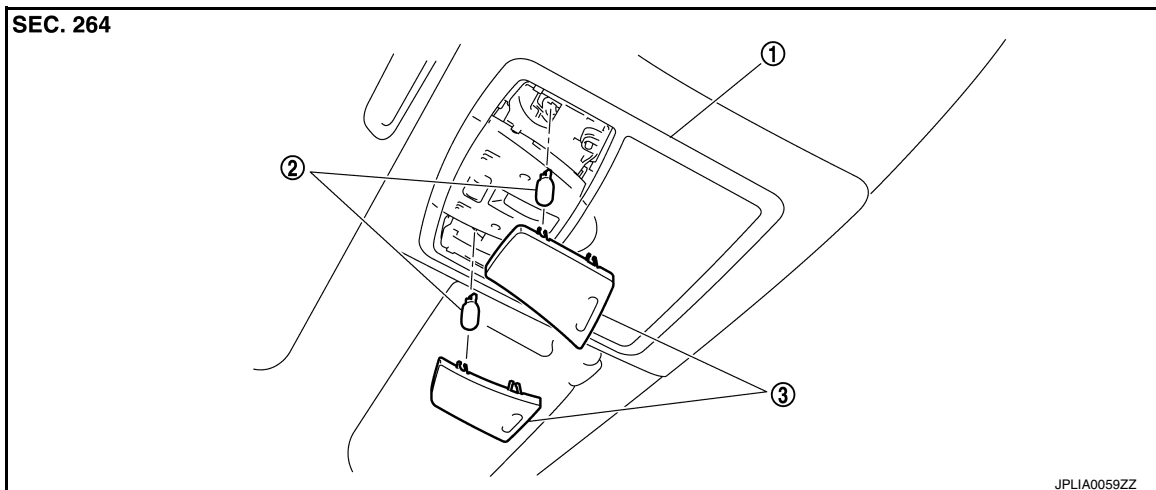
< REMOVAL AND INSTALLATION >

REMOVAL AND INSTALLATION

MAP LAMP

Exploded View

INFOID:0000000010594152



1. Map lamp assembly

2. Bulb

3. Lens

Removal and Installation

INFOID:0000000010594153

Refer to [INT-29. "NORMAL ROOF : Exploded View"](#) for the map lamp assembly installation/removal.

Replacement

INFOID:0000000010594154

CAUTION:

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

MAP LAMP BULB

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

INL

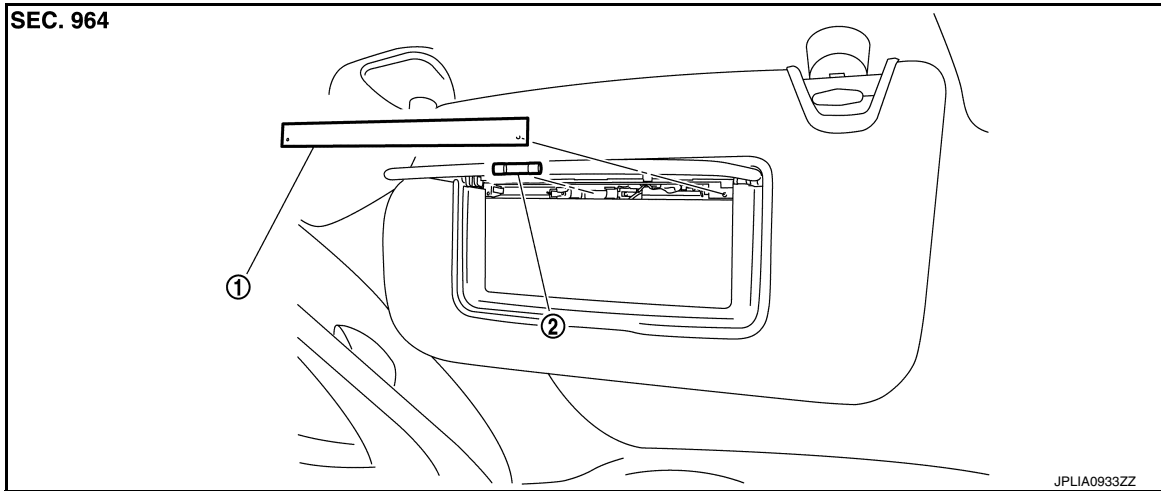
VANITY MIRROR LAMP

< REMOVAL AND INSTALLATION >

VANITY MIRROR LAMP

Exploded View

INFOID:0000000010594155



1. Lens

2. Bulb

Replacement

INFOID:0000000010594156

CAUTION:

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

VANITY MIRROR LAMP BULB

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

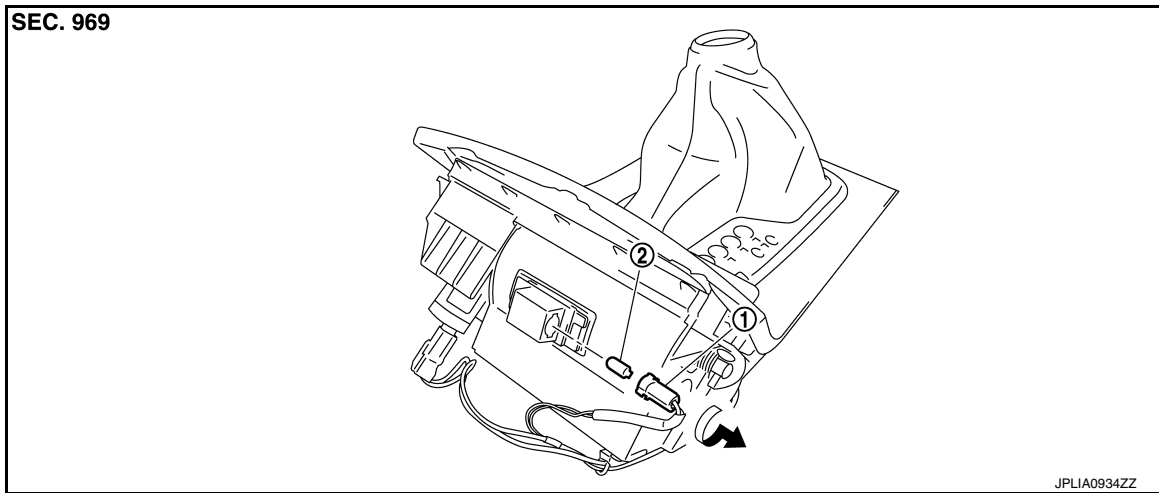
CIGARETTE LIGHTER ILLUMINATION

< REMOVAL AND INSTALLATION >

CIGARETTE LIGHTER ILLUMINATION

Exploded View

INFOID:000000010594157



1. Bulb socket

2. Bulb

Replacement

INFOID:000000010594158

CAUTION:

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

CIGARETTE LIGHTER ILLUMINATION BULB

1. Remove the console finisher assembly. Refer to [IP-24, "Removal and Installation"](#).
2. Rotate the bulb socket counterclockwise and unlock it.
3. Remove the bulb.

INL

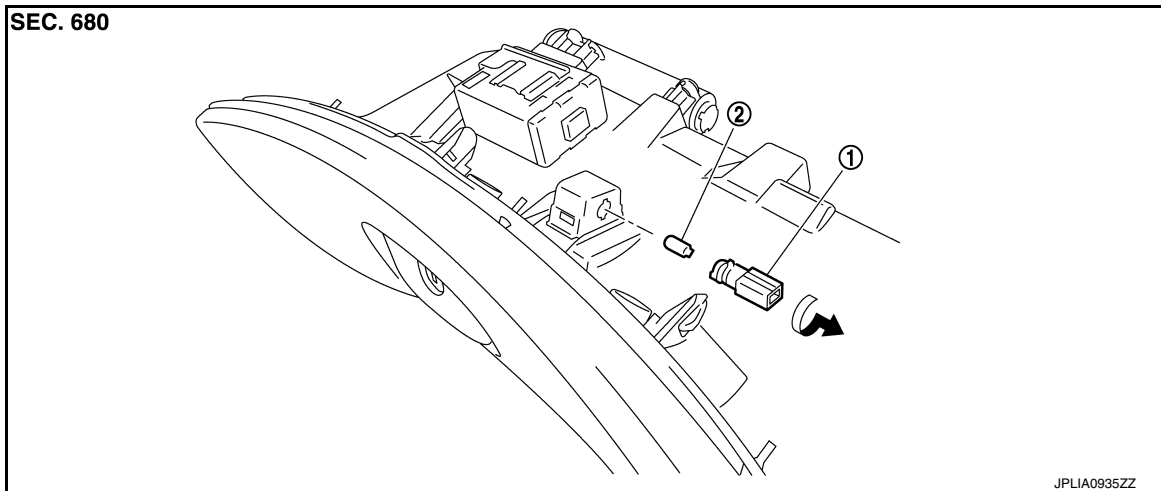
GLOVE BOX LAMP

< REMOVAL AND INSTALLATION >

GLOVE BOX LAMP

Exploded View

INFOID:0000000010594159



1. Bulb socket

2. Bulb

Replacement

INFOID:0000000010594160

CAUTION:

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

GLOVE BOX LAMP BULB

1. Remove the glove box assembly. Refer to [IP-12, "Exploded View"](#).
2. Remove the instrument lower panel RH. Refer to [IP-12, "Exploded View"](#).
3. Rotate the bulb socket counterclockwise and unlock it.
4. Remove the bulb.

FOOT LAMP

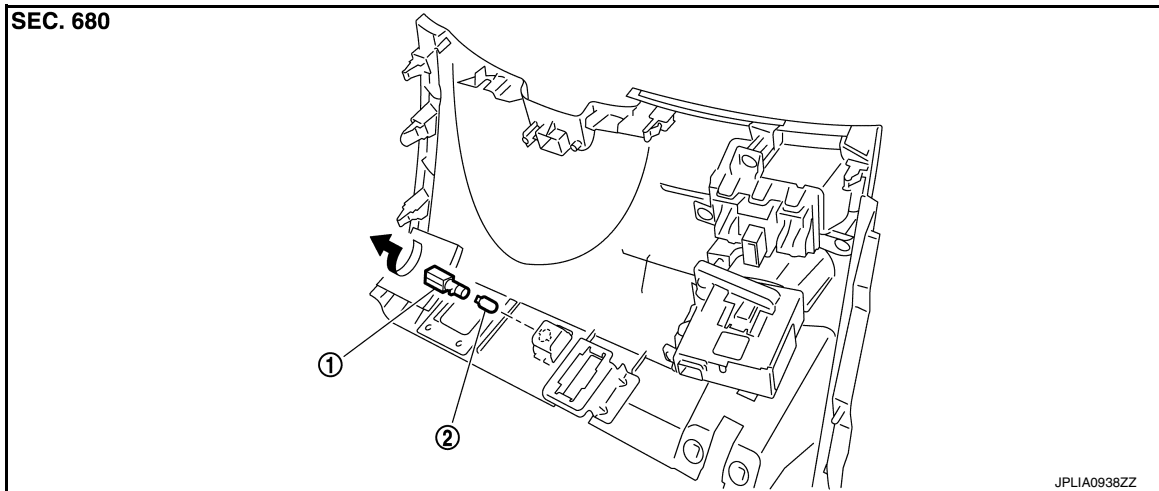
< REMOVAL AND INSTALLATION >

FOOT LAMP

DRIVER SIDE

DRIVER SIDE : Exploded View

INFOID:0000000010594161



1. Bulb socket

2. Bulb

DRIVER SIDE : Replacement

INFOID:0000000010594162

CAUTION:

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

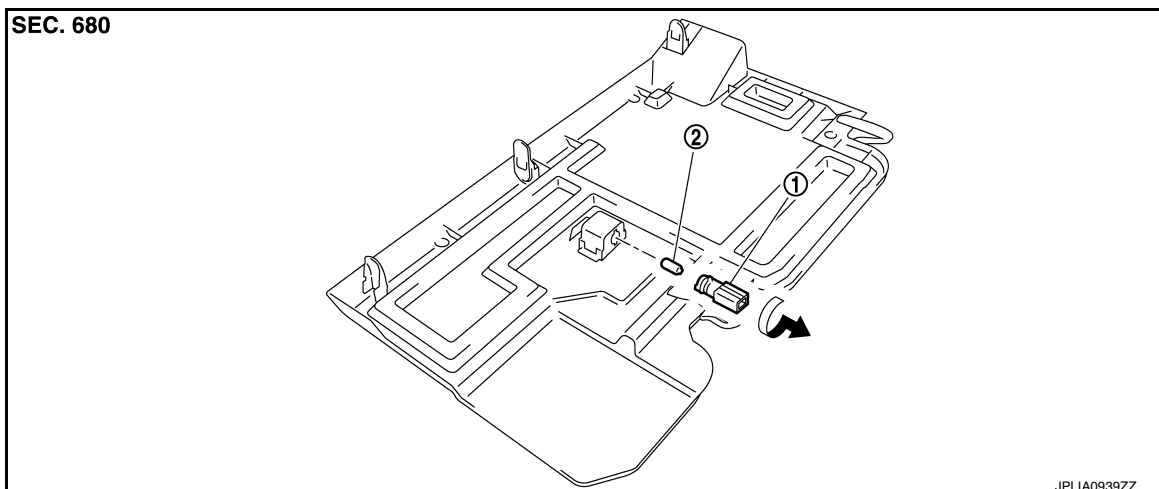
FOOT LAMP BULB (DRIVER SIDE)

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

PASSENGER SIDE

PASSENGER SIDE : Exploded View

INFOID:0000000010594163



FOOT LAMP

< REMOVAL AND INSTALLATION >

1. Bulb socket

2. Bulb

PASSENGER SIDE : Replacement

INFOID:0000000010594164

CAUTION:

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

FOOT LAMP BULB (PASSENGER SIDE)

1. Remove the instrument lower cover. Refer to [IP-12. "Exploded View"](#).
2. Rotate the bulb socket counterclockwise and unlock it.
3. Remove the bulb.

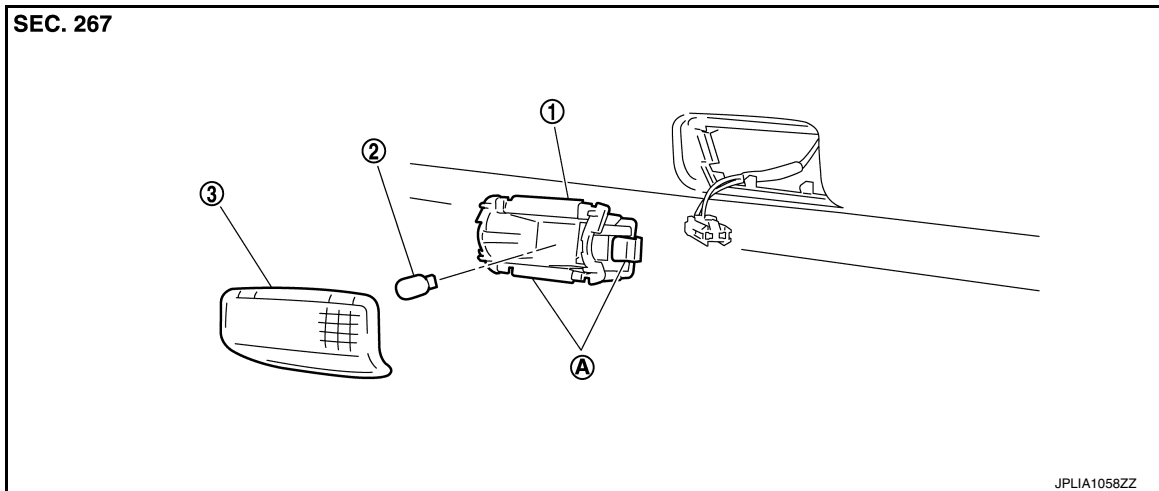
STEP LAMP

< REMOVAL AND INSTALLATION >

STEP LAMP

Exploded View

INFOID:0000000010594165



1. Step lamp case

2. Bulb

3. Lens

A. Metal clip

Removal and Installation

INFOID:0000000010594166

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 step lamp connector.

INSTALLATION

Install in the reverse order of removal.

Replacement

INFOID:0000000010594167

CAUTION:

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

STEP LAMP BULB

1. Remove the step lamp.
2. Remove the lens.
3. Remove the bulb.

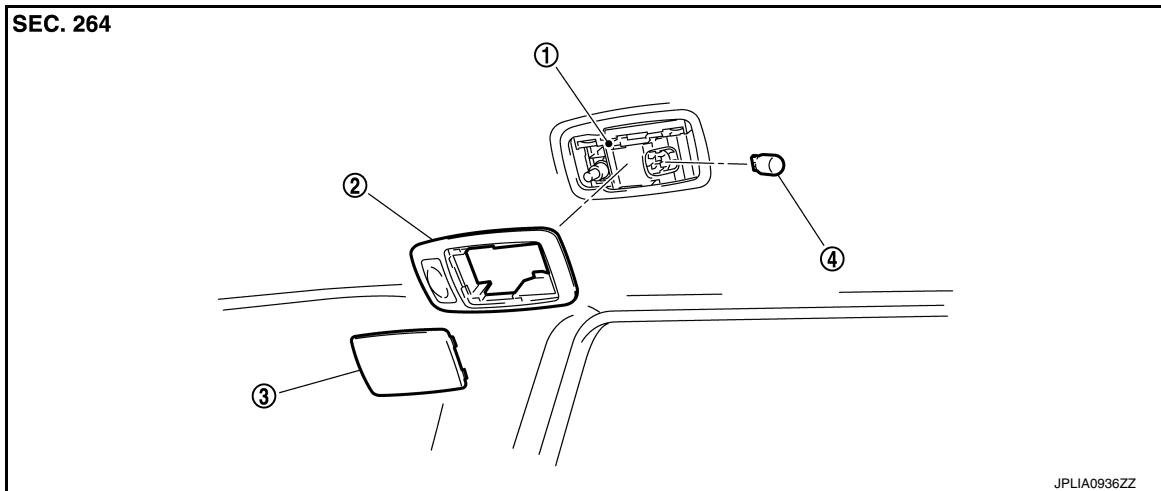
PERSONAL LAMP

< REMOVAL AND INSTALLATION >

PERSONAL LAMP

Exploded View

INFOID:0000000010594168



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

NOTE:

Replace the personal lamp case as a set (right and left). After removing the headlining assembly, remove the personal lamp case. Refer to [INT-29, "NORMAL ROOF : Exploded View"](#).

Removal and Installation

INFOID:0000000010594169

CAUTION:

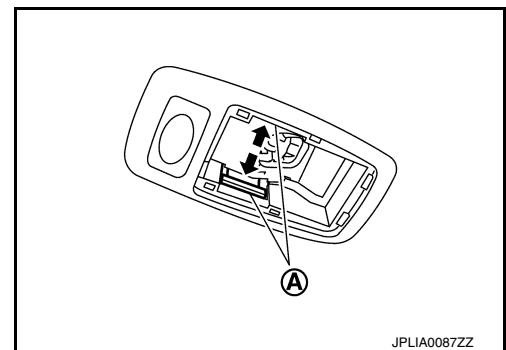
Disconnect the battery negative terminal or remove the fuse.

REMOVAL

1. Remove the headlining assembly. Refer to [INT-29, "NORMAL ROOF : Exploded View"](#).
2. Insert any appropriate tool into the gap between the lens. Remove the lens.
3. Press the both side pawls (A) to the arrow direction (←). Remove the personal lamp finisher.
4. Remove the personal lamp case from the headlining assembly.

NOTE:

Replace the personal lamp case as a set (right and left).



INSTALLATION

Install in the reverse order of removal.

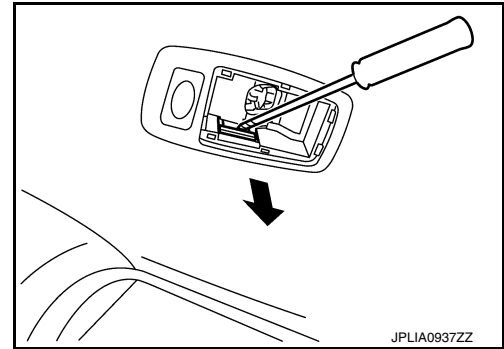
NOTE:

The following is easier to install the personal lamp finisher.

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

INFOID:0000000010594170

CAUTION:

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

PERSONAL LAMP BULB

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

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

PUDDLE LAMP

< REMOVAL AND INSTALLATION >

PUDDLE LAMP

Exploded View

INFOID:0000000010594171

Puddle lamp is integrated into the door mirror assembly (driver side).

- With ADP. Refer to [MIR-123, "Exploded View"](#).
- Without ADP. Refer to [MIR-144, "Exploded View"](#).

LUGGAGE ROOM LAMP

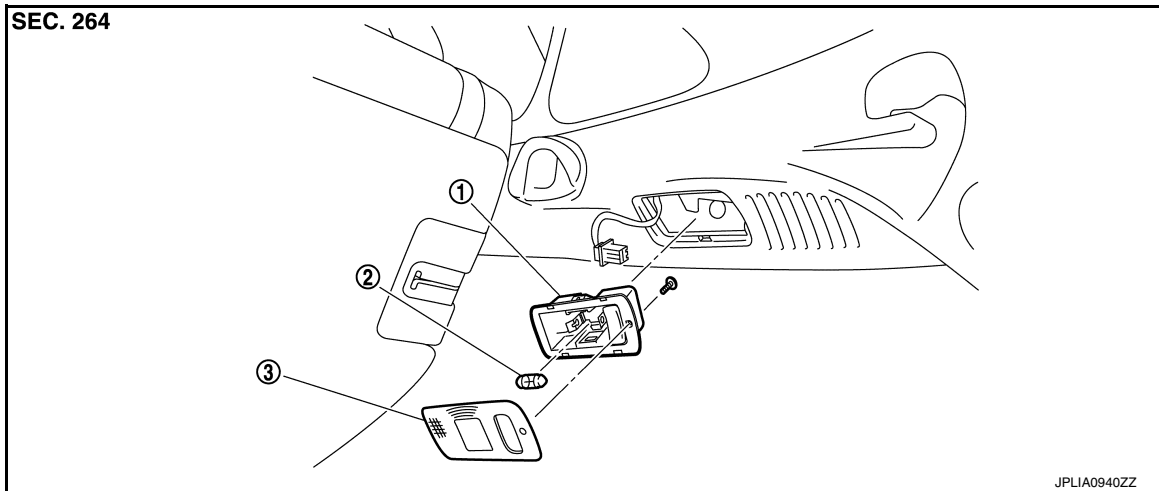
< REMOVAL AND INSTALLATION >

LUGGAGE ROOM LAMP

LUGGAGE SIDE

LUGGAGE SIDE : Exploded View

INFOID:0000000010594172



1. Luggage room lamp (luggage side) housing

2. Bulb

3. Lens

LUGGAGE SIDE : Removal and Installation

INFOID:0000000010594173

CAUTION:

Disconnect the battery negative terminal or remove the fuse.

REMOVAL

1. Insert any appropriate tool into the gap between the luggage room lamp (luggage side) and luggage side finisher upper. And then remove the luggage room lamp (luggage side).
2. Disconnect the luggage room lamp (luggage side) connector.

INSTALLATION

Install in the reverse order of removal.

LUGGAGE SIDE : Replacement

INFOID:0000000010594174

CAUTION:

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

LUGGAGE ROOM LAMP (LUGGAGE SIDE) BULB

1. Remove the luggage room lamp (luggage side). Refer to [INL-113, "LUGGAGE SIDE : Exploded View"](#).
2. Remove the screw. And then remove the lens.
3. Remove the bulb.

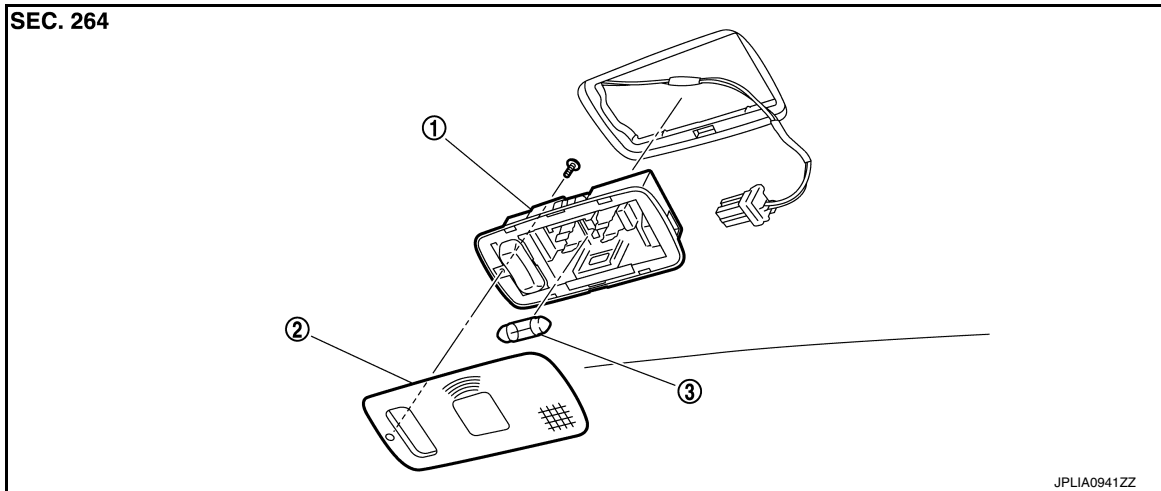
BACK DOOR SIDE

LUGGAGE ROOM LAMP

< REMOVAL AND INSTALLATION >

BACK DOOR SIDE : Exploded View

INFOID:0000000010594175



1. Luggage room lamp (back door side) assembly 2. Lens 3. Bulb

BACK DOOR SIDE : Removal and Installation

INFOID:0000000010594176

CAUTION:

Disconnect the battery negative terminal or remove the fuse.

REMOVAL

1. Insert any appropriate tool into the gap between the luggage room lamp (back door side) assembly and back door finisher inner. Remove the luggage room lamp (back door side) assembly.
2. Disconnect the luggage room lamp (back door side) connector.

INSTALLATION

Install in the reverse order of removal.

BACK DOOR SIDE : Replacement

INFOID:0000000010594177

CAUTION:

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

LUGGAGE ROOM LAMP BULB

1. Remove the luggage room lamp (back door side). Refer to [INL-114, "BACK DOOR SIDE : Exploded View"](#).
2. Remove the screw. And then remove the lens.
3. 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:0000000010594178

Item	Type	Wattage (W)
Push-button ignition switch illumination	LED	—
Map lamp	Wedge	8
Console lamp (integrated into the map lamp assembly)	LED	—
Puddle lamp	LED	—
Vanity mirror lamp	—	2
Cigarette lighter illumination	Wedge	1.4
Glove box lamp	Wedge	1.4
Foot lamp	Wedge	1.4
Step lamp	Wedge	5
Personal lamp	Wedge	8
Luggage room lamp	—	8