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SECTION INL

INTERIOR LIGHTING SYSTEM

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DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

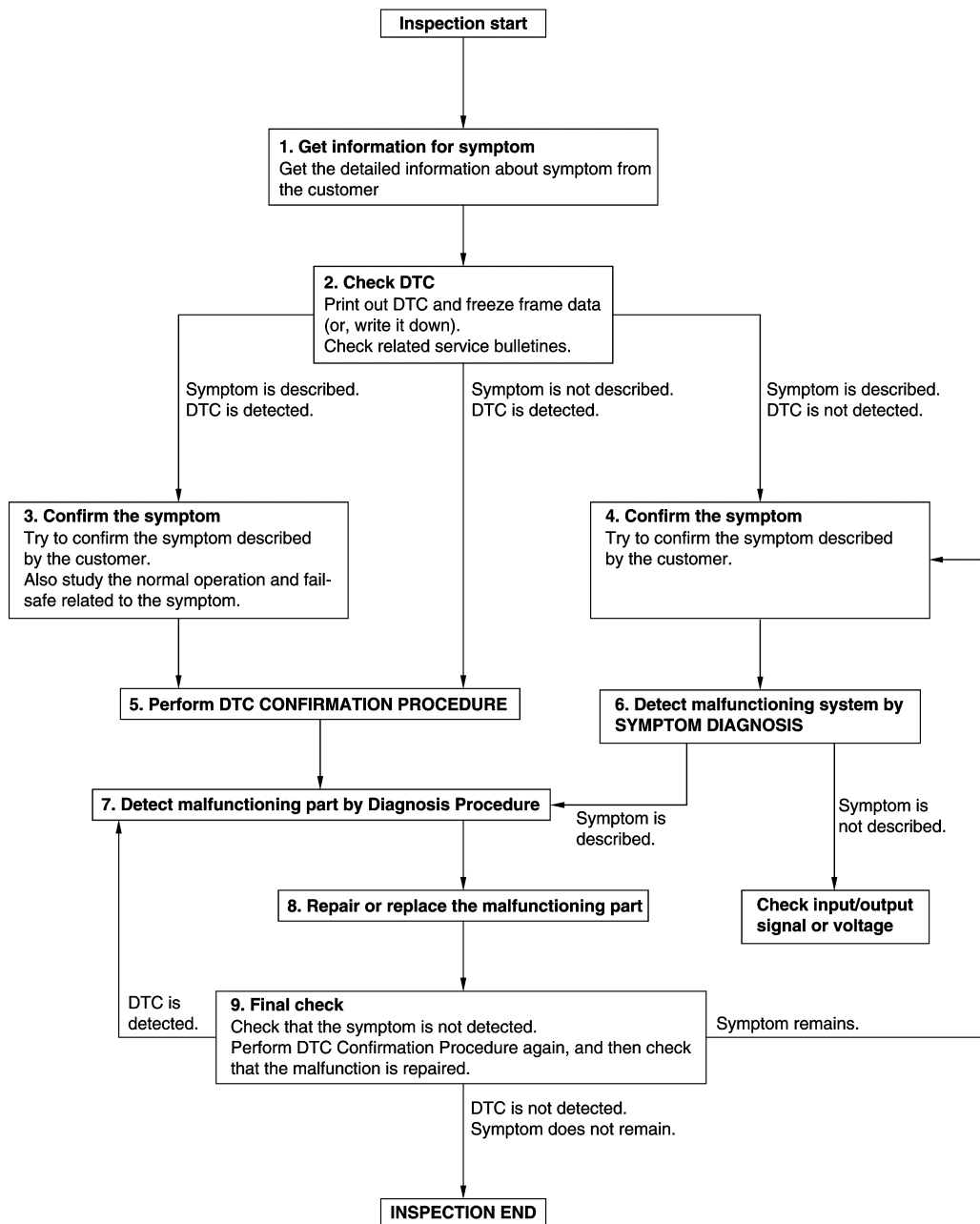
BASIC INSPECTION

DIAGNOSIS AND REPAIR WORK FLOW

Work Flow

INFOID:000000012167326

OVERALL SEQUENCE



DETAILED FLOW

Revision: July 2016

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DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

1. GET INFORMATION FOR SYMPTOM

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

>> GO TO 2.

2. CHECK DTC

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

Are any symptoms described and any DTC detected?

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

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

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

3. CONFIRM THE SYMPTOM

Try to confirm the symptom described by the customer.

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

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

>> GO TO 5.

4. CONFIRM THE SYMPTOM

Try to confirm the symptom described by the customer.

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

>> GO TO 6.

5. PERFORM DTC CONFIRMATION PROCEDURE

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

NOTE:

- Freeze frame data is useful if the DTC is not detected.
- Perform Component Function Check if DTC CONFIRMATION PROCEDURE is not included on Service Manual. This simplified check procedure is an effective alternative though DTC cannot be detected during this check.

If the result of Component Function Check is NG, it is the same as the detection of DTC by DTC CONFIRMATION PROCEDURE.

Is DTC detected?

YES >> GO TO 7.

NO >> Check according to [GI-42. "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-42. "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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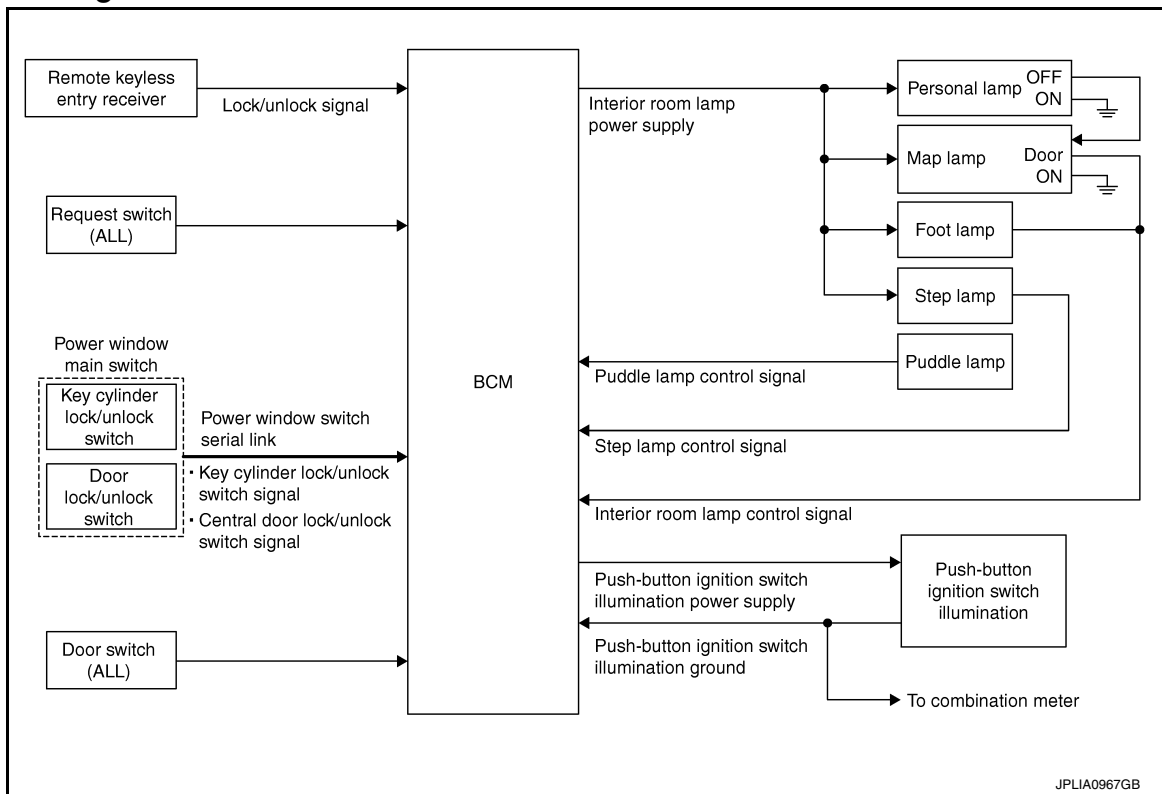
INTERIOR ROOM LAMP CONTROL SYSTEM

< SYSTEM DESCRIPTION >

SYSTEM DESCRIPTION

INTERIOR ROOM LAMP CONTROL SYSTEM

System Diagram



System Description

INFOID:000000012167328

OUTLINE

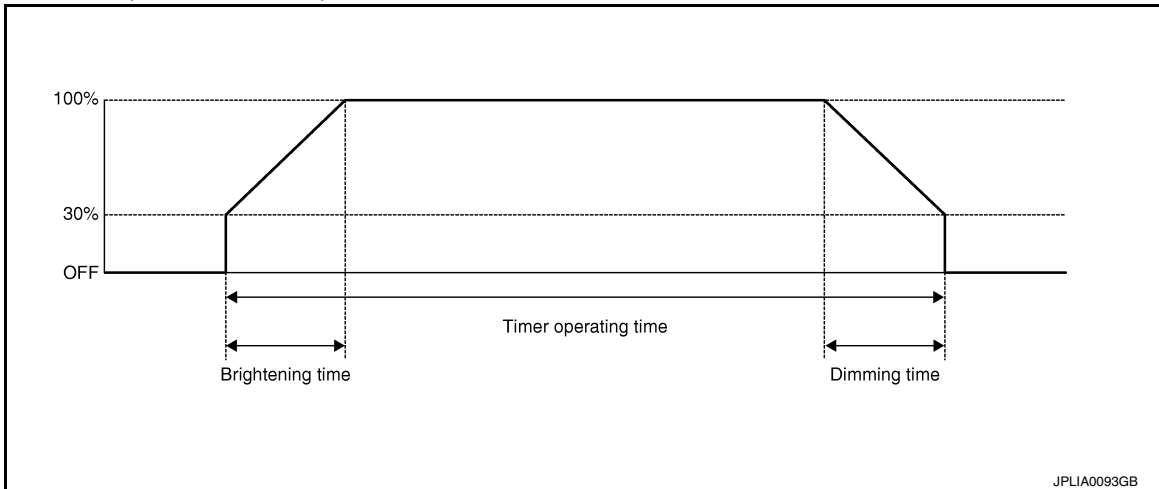
- Interior room lamps* are controlled by interior room lamp timer control function of BCM.
 - *: Map lamp, foot lamp and personal lamp (when map lamp switch is in DOOR position).
- Step lamp is controlled by step lamp control function of BCM.
- Puddle lamp is controlled by puddle lamp timer control function 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 turns 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.

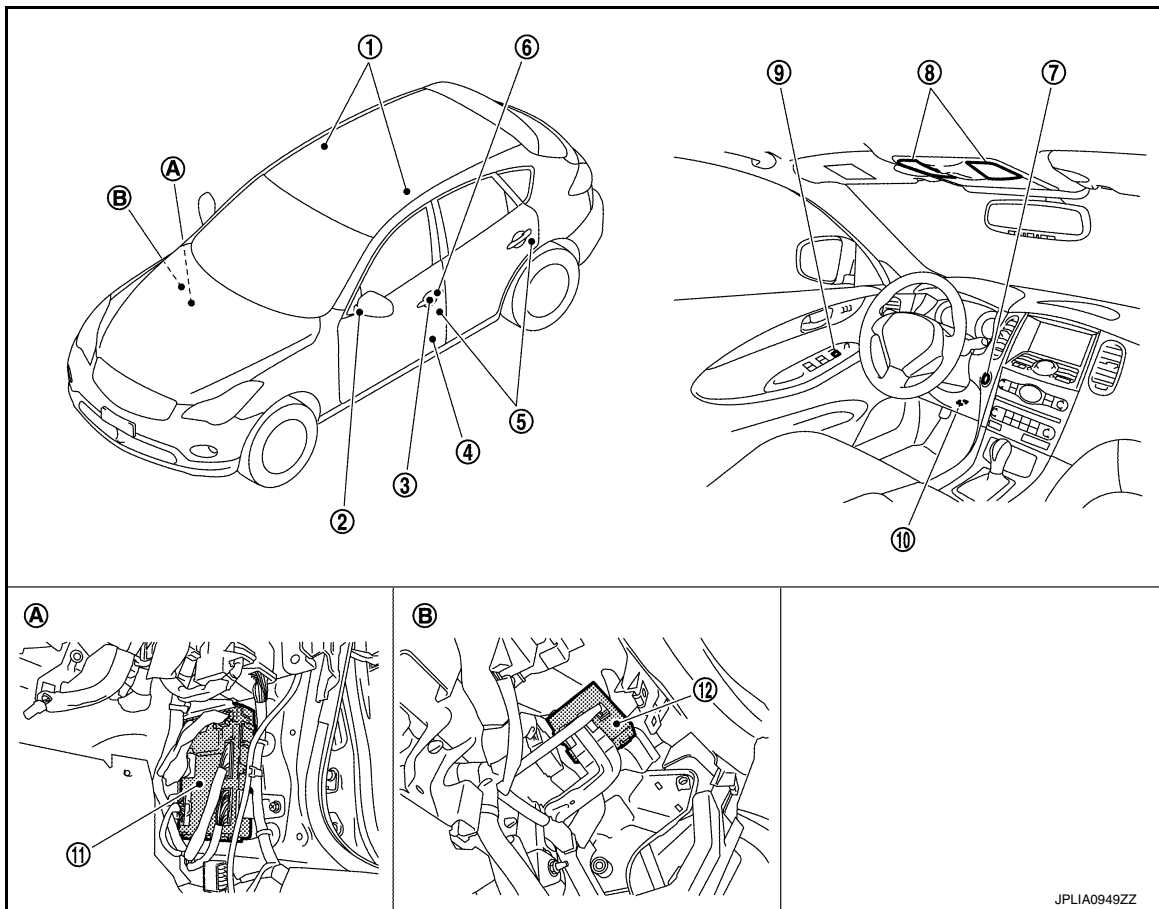
- The push-button ignition switch illumination ON conditions do not satisfy.
- All of the following conditions with ignition switch OFF
 - Each illumination (tail lamp) OFF
 - The push-button ignition switch illumination ON conditions do not change (15 seconds after the ignition switch OFF) or the driver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

INTERIOR ROOM LAMP CONTROL SYSTEM

< SYSTEM DESCRIPTION >

Component Parts Location

INFOID:000000012167329



- | | | |
|---|-----------------------|------------------------------------|
| 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:000000012167330

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.

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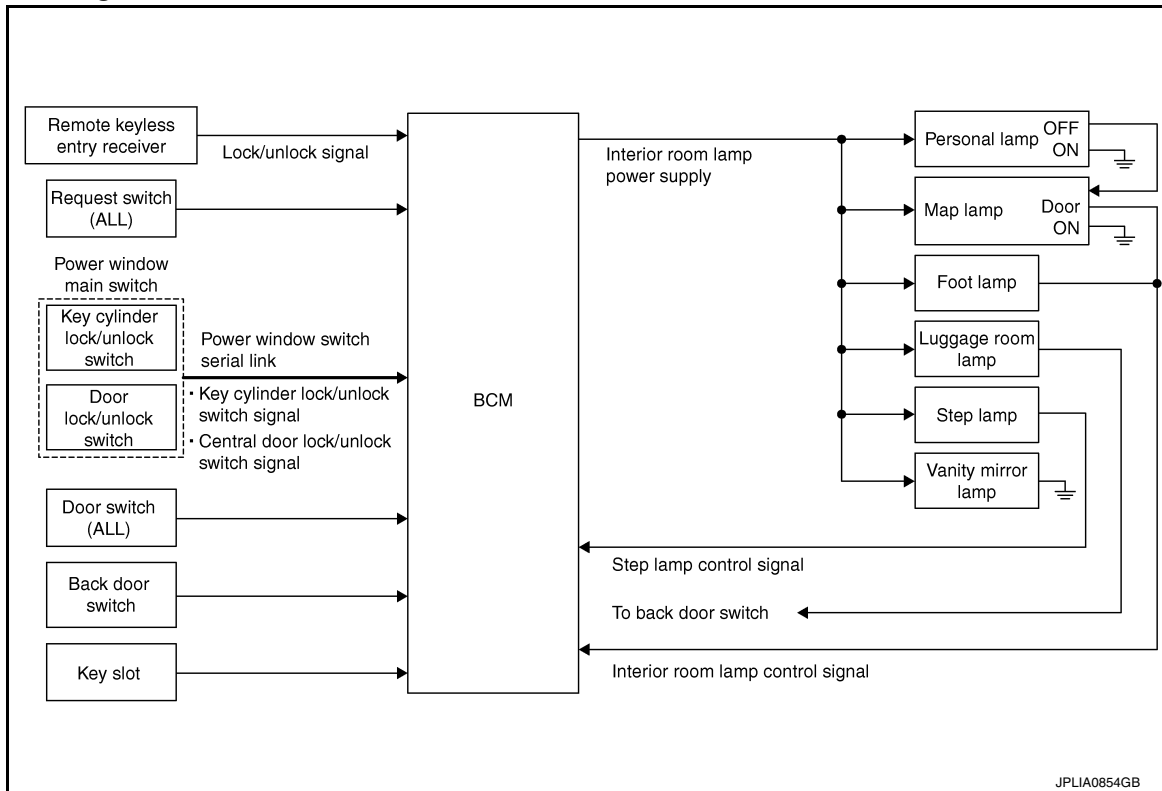
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INTERIOR ROOM LAMP BATTERY SAVER SYSTEM

< SYSTEM DESCRIPTION >

INTERIOR ROOM LAMP BATTERY SAVER SYSTEM

System Diagram



System Description

INFOID:000000012167332

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:

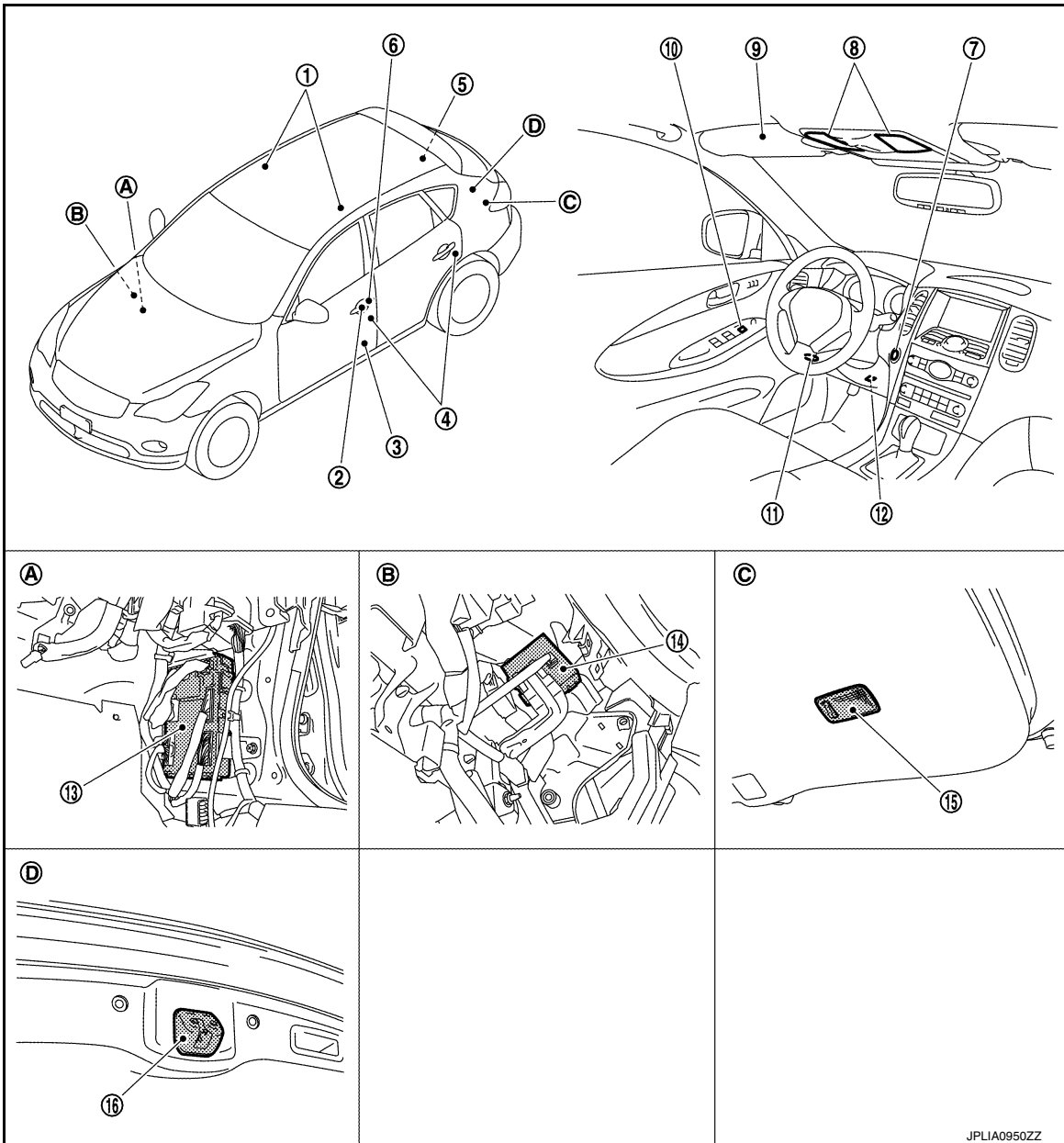
Each function of interior room lamp battery saver can be set by CONSULT. Refer to [INL-18. "BATTERY SAVER : CONSULT Function \(BCM - BATTERY SAVER\)"](#).

INTERIOR ROOM LAMP BATTERY SAVER SYSTEM

< SYSTEM DESCRIPTION >

Component Parts Location

INFOID:000000012167333



- | | | |
|-------------------------------------|-------------------------------------|--|
| 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 | | |

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INTERIOR ROOM LAMP BATTERY SAVER SYSTEM

< SYSTEM DESCRIPTION >

Component Description

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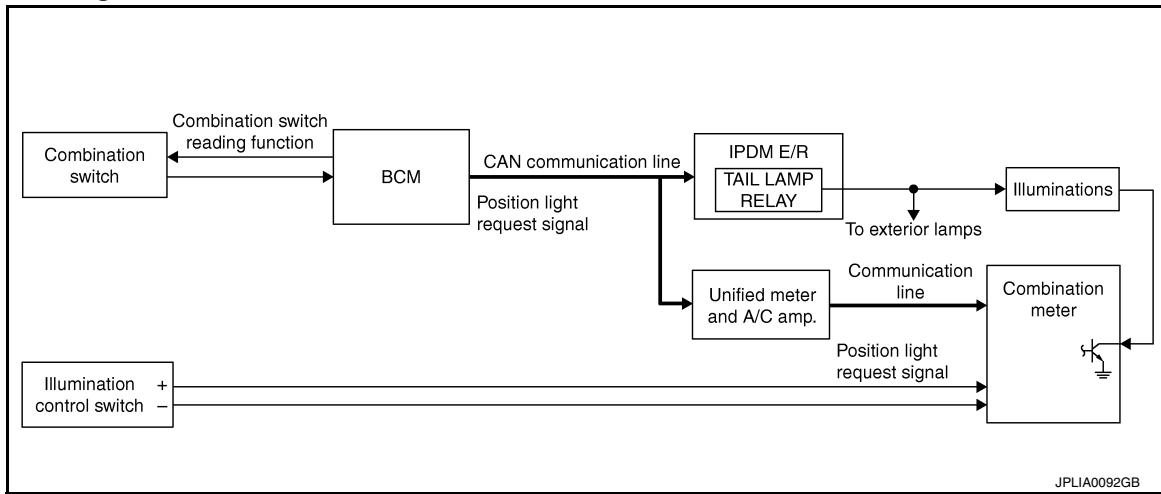
Part	Description
BCM	Operates the interior room lamp battery saver depending on the vehicle condition to cut the interior room lamp power supply.
Remote keyless entry receiver	<ul style="list-style-type: none">• Receives the lock/unlock signal from keyfob.• Transmits the lock/unlock signal to BCM.
<ul 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:000000012167336

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).

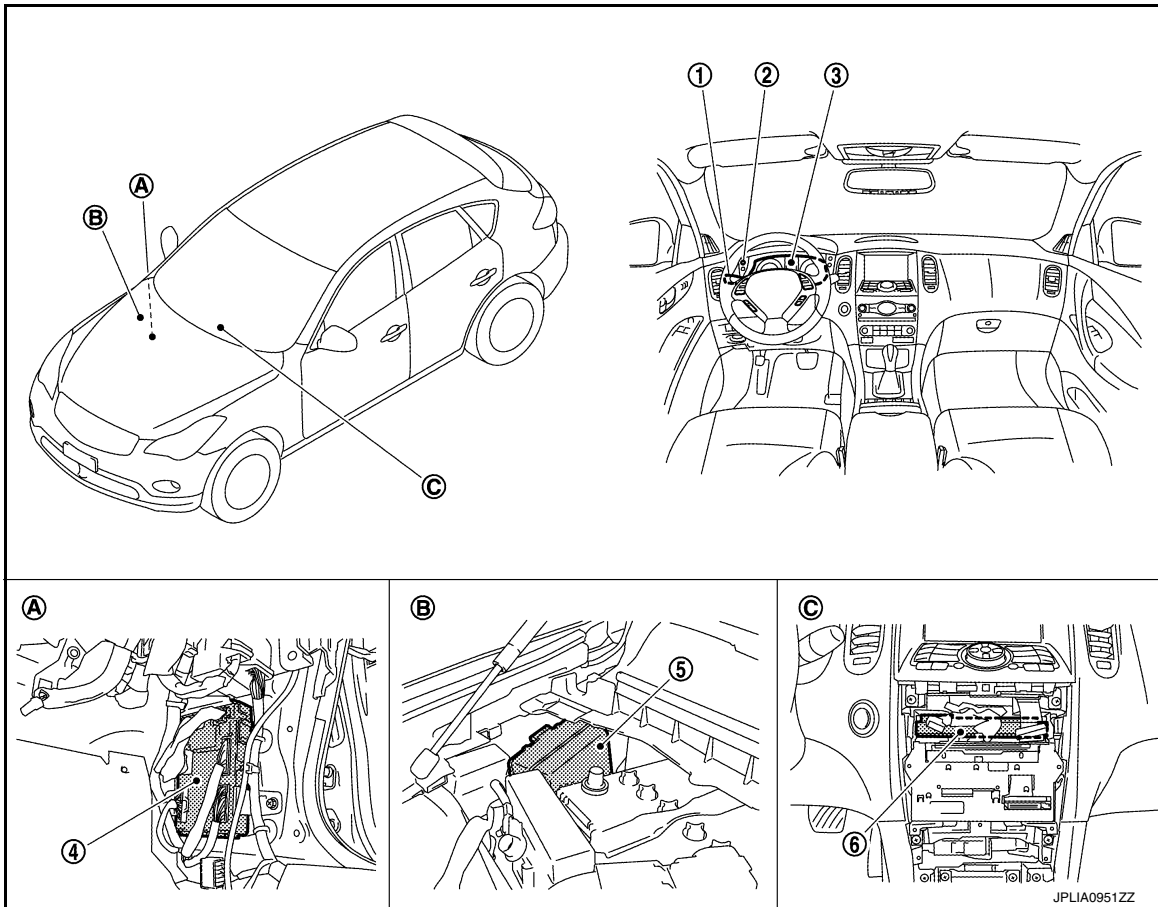
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ILLUMINATION CONTROL SYSTEM

< SYSTEM DESCRIPTION >

Component Parts Location

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

Component Description

INFOID:000000012167338

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-10, "System Diagram" .

DIAGNOSIS SYSTEM (BCM)

< SYSTEM DESCRIPTION >

DIAGNOSIS SYSTEM (BCM)

COMMON ITEM

COMMON ITEM : CONSULT Function (BCM - COMMON ITEM)

INFOID:000000012762389

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

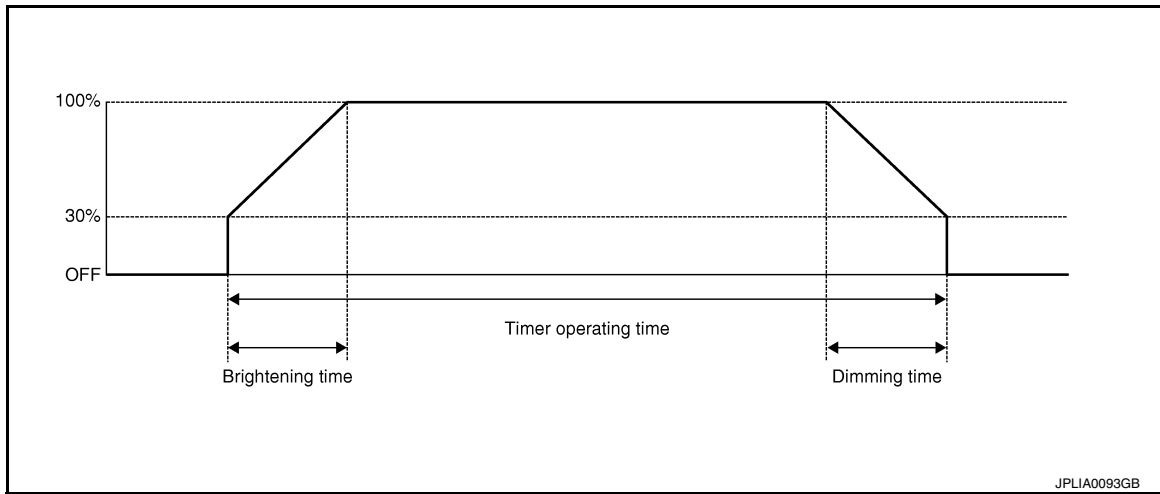
DIAGNOSIS SYSTEM (BCM)

< SYSTEM DESCRIPTION >

INT LAMP : CONSULT Function (BCM - INT LAMP)

INFOID:000000012167340

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:000000012167341

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.

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POWER SUPPLY AND GROUND CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

DTC/CIRCUIT DIAGNOSIS

POWER SUPPLY AND GROUND CIRCUIT

BCM

BCM : Diagnosis Procedure

INFOID:0000000012762538

1. CHECK FUSE AND FUSIBLE LINK

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

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

Is the fuse or fusible link is blown (open)?

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

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		Existed
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:000000012167343

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

Component Function Check

INFOID:000000012167344

1. CHECK INTERIOR ROOM LAMP POWER SUPPLY FUNCTION

CONSULT ACTIVE TEST

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

Off : Interior room lamp OFF

On : Interior room lamp ON

Does 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:000000012167345

1. CHECK INTERIOR ROOM LAMP POWER SUPPLY OUTPUT

CONSULT ACTIVE TEST

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

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

Is the measurement value normal?

YES >> GO TO 2.

NO >> Replace BCM. Refer to [BCS-97, "Removal and Installation"](#).

2. CHECK INTERIOR ROOM LAMP POWER SUPPLY OPEN CIRCUIT

1. Turn ignition switch OFF.
2. 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)

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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		
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:0000000012167346

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:0000000012167347

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:0000000012167348

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	Ground	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		
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:0000000012167349

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

Component Function Check

INFOID:0000000012167350

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:0000000012167351

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	Terminal	
M119	7	Driver side	D12	2	Existed
		Passenger side	D42	2	

Does continuity exist?

- YES >> Replace step lamp.

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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:000000012167352

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

Diagnosis Procedure

INFOID:000000012167353

1. CHECK PUDDLE LAMP FUSE

1. Turn ignition switch OFF.
2. Check that the following fuse is not blown (open).

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

Is the fuse blown (open)?

- YES >> Replace the blown (open) fuse after repairing the cause of blown (open).
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		Door open	0 V
M122	94	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		Not existed
M122	94		

Does continuity exist?

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

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PUSH-BUTTON IGNITION SWITCH ILLUMINATION CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

PUSH-BUTTON IGNITION SWITCH ILLUMINATION CIRCUIT

Description

INFOID:000000012167354

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

Component Function Check

INFOID:000000012167355

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:000000012167356

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"](#).

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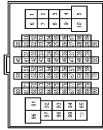
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INTERIOR ROOM LAMP CONTROL SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

INTERIOR ROOM LAMP CONTROL SYSTEM

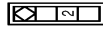
Terminal No.	B1
Color Of Wire	WIRE TO WIRE
Connector Name	TH480FW-CS16-TM4
Connector Type	



Terminal No.	Color Of Wire	Signal Name [Specification]
3	R	-
5	G	-
6	SB	-
7	V	-
8	L	-
11	V	-
12	SB	-
13	LG	-
14	GR	-
15	LG	-
16	R	-
17	W	-
18	B	-
19	LG	-
20	BR	-
21	SHIELD	-
22	Y	-
24	P	-
25	G	-
26	Y	-
27	B	- [With NAVI]
27	BR	- [Without NAVI]
28	R	- [With NAVI]
28	W	- [Without NAVI]
29	L	- [With NAVI]
29	LG	- [Without NAVI]
30	SHIELD	- [With around view monitor]
31	L	- [Without around view monitor]
31	SHIELD	- [Without around view monitor]
32	P	- [With NAVI] [Without Blind Spot Warning]
32	W	- [Without NAVI] [Without Blind Spot Warning]
32	Y	- [With NAVI] [With Blind Spot Warning]
33	SB	-
34	L	-
35	P	-

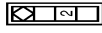
36	L	-
37	P	-
38	P	-
39	Y	-
40	SB	-
44	Y	-
45	GR	-
46	LG	-
47	SB	-
48	EG	-
49	R	-
50	L	-
50	P	-
80	L	-
82	SHIELD	-
83	R	-
84	G	-
85	SHIELD	-
86	W	-
67	V	-
68	SB	-
69	SHIELD	-
70	W	-
73	SB	-
74	L	-
75	W	-
76	GR	-
77	R	-
78	P	-
79	GR	-
83	BG	-
85	V	-
86	LG	-
87	Y	-
88	R	-
89	B	-
90	BG	-
91	G	-
92	BR	-
93	G	-
94	SB	-
95	G	-
96	Y	-
98	W	-
99	GR	-

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



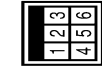
Terminal No.	Color Of Wire	Signal Name [Specification]
2	V	-

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



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

Connector No.	B27
Connector Name	WIRE TO WIRE
Connector Type	MODMW-LC



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

Connector No.	B28
Connector Name	WIRE TO WIRE
Connector Type	TH24MH-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	-
3	W	-
4	B	-
5	B	-
6	EG	-
13	BR	-
14	R	- [With around view monitor]
14	SHIELD	- [Without around view monitor]
15	B	- [With around view monitor]
15	Y	- [Without around view monitor]
16	W	-
17	L	-
17	R	- [With around view monitor]
18	SHIELD	- [Without around view monitor]
19	LG	-
20	BG	-
22	B	-
23	BR	-
24	R	-

INTERIOR ROOM LAMP CONTROL SYSTEM

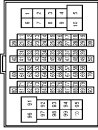
< DTC/CIRCUIT DIAGNOSIS >

INTERIOR ROOM LAMP CONTROL SYSTEM

Connector No.	B247
Connector Name	DIODE
Connector Type	24335, C9900



Connector No.	B201
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-C316-TM4



Terminal No.	Color Of Wire	Signal Name [Specification]
71	SB	-
72	W	-
73	BR	-
75	Y	-
80	V	-
81	SB	-
82	LG	-
83	P	-
84	R	-
85	L	-
86	BG	-
87	L	-
88	P	-
89	V	-
92	R	-
94	R	-
95	SB	-
96	G	-
97	G	-
98	R	-
99	P	-
100	L	-



Connector No.	B218
Connector Name	FRONT DOOR SWITCH (PASSENGER SIDE)
Connector Type	A03FW



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

Connector No.	B229
Connector Name	REAR DOOR SWITCH-RH
Connector Type	A03FW



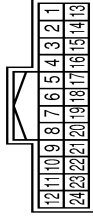
Terminal No.	Color Of Wire	Signal Name [Specification]
2	BR	-

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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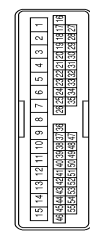
INTERIOR ROOM LAMP CONTROL SYSTEM

< 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	BR	-
2	B	-
3	V	-
4	W	-
5	L	-
6	O	-
7	GR	-
8	W	-
9	O	-
10	BR	-
11	P	-
12	LG	-
13	W	-
14	W	-
15	W	-
16	SB	-
17	LG	-
18	SHIELD	-
19	P	-
20	W	-
21	O	-
22	P	-
23	BR	-

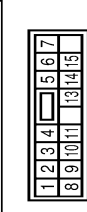
Terminal No.	Color Of Wire	Signal Name [Specification]
24	V	-
25	GR	-
26	Y	-
27	BR	-
28	V	-
29	LG	-
30	G	-
31	W	-
32	G	-
33	L	-
34	SB	-
35	R	-
36	G	-
37	R	-
38	P	-
39	O	-
40	BR	-
41	L	-
42	GR	-
43	BR	- (With automatic drive positioner)
43	O	- (Without automatic drive positioner)
44	GR	- (With automatic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

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



Terminal No.	Color Of Wire	Signal Name [Specification]
1	V	-
2	O	-
3	BR	COMT
5	P	COMP+
6	SB	ON
7	W	-
10	G	-
11	P	-
12	O	-
14	LG	-
17	SHIELD	-
18	G	COMP-
19	W	GROUND
21	GR	-
22	BR	-
23	Y	-
24	V	-

Connector No.	D8
Connector Name	POWER WINDOW MAIN SWITCH
Connector Type	INS18FW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	REAR POWER WINDOW MOTOR LH UP SIGNAL
2	BR	ENCODER GROUND
3	GR	REAR POWER WINDOW MOTOR LH DOWN SIGNAL

4	V	DOOR KEY CYLINDER SWITCH LH LOCK SIGNAL
5	O	REAR POWER WINDOW MOTOR RH DOWN SIGNAL
6	Y	DOOR KEY CYLINDER SWITCH LH UNLOCK SIGNAL
7	BR	REAR POWER WINDOW MOTOR RH UP SIGNAL
8	L	FRONT POWER WINDOW MOTOR DRIVER SIDE UP SIGNAL
9	O	ENCODER PULSE 2
10	Y	RETAINED POWER SIGNAL
11	G	FRONT POWER WINDOW MOTOR DRIVER SIDE DOWN SIGNAL
13	P	ENCODER PULSE 1
14	V	POWER WINDOW SERIAL LINK
15	B	ENCODER POWER SUPPLY

Connector No.	B9
Connector Name	POWER WINDOW MAIN SWITCH
Connector Type	INS33FW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
17	W	GROUND
19	W	BATTERY POWER SUPPLY

Connector No.	D12
Connector Name	STEP LAMP (DRIVER SIDE)
Connector Type	TBD2FW



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.	D315
Connector Name	FRONT DOOR LOCK ASSEMBLY (DRIVER SIDE)
Connector Type	EG8FDY-FS



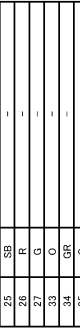
Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG	-
2	P	-
3	L	-
4	B	-
5	Y	-
6	V	-

Connector No.	D31
Connector Name	WIRE TO WIRE
Connector Type	TH4DFW-CS15

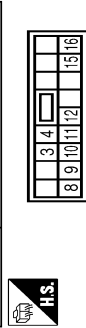


Terminal No.	Color Of Wire	Signal Name [Specification]
7	R	-
8	BR	-
9	V	-
12	P	-
13	GG	-
14	W	-
15	W	-
16	BR	-
17	B	-
18	R	-
19	B	-
20	G	- [With around view monitor]
20	R	- [Without around view monitor]
21	BR	- [Without around view monitor]

Terminal No.	21	SHIELD	- [With around view monitor]
22	V	-	-
23	P	-	-
24	W	-	-
25	SB	-	-
26	R	-	-
27	G	-	-
33	O	-	-
34	GR	-	-
35	G	-	-
36	R	-	-
37	G	-	-
43	Y	-	-
45	V	-	-
46	P	-	-
48	W	-	-
47	SHIELD	-	-
52	G	-	-
53	GR	-	-
54	O	-	-
55	L	-	-



Connector No.	D33
Connector Name	FRONT POWER WINDOW SWITCH (PASSENGER SIDE)
Connector Type	NS1EFPW-CS



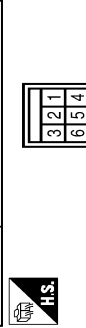
Terminal No.	Color Of Wire	Signal Name [Specification]
3	L	ENCODER GROUND
4	G	ENCODER POWER SUPPLY
8	W	POWER WINDOW MOTOR UP SIGNAL
9	G	POWER WINDOW MOTOR DOWN SIGNAL
10	W	BATTERY SUPPLY
11	B	GROUND
12	R	ENCODER PULSE 1
15	O	ENCODER PULSE 2
16	V	POWER WINDOW SERIAL LINK

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



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

Connector No.	D101
Connector Name	WIRE TO WIRE
Connector Type	MB6FW-LC



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

Connector No.	D102
Connector Name	WIRE TO WIRE
Connector Type	TH24FW-NH



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

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INTERIOR ROOM LAMP CONTROL SYSTEM

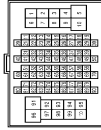
< DTC/CIRCUIT DIAGNOSIS >

INTERIOR ROOM LAMP CONTROL SYSTEM

Connector No.	D110
Connector Name	LUGGAGE ROOM LAMP (BACK DOOR SIDE)
Connector Type	TM03FW



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



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

Connector No.	D113
Connector Name	BACK DOOR LOCK ASSEMBLY
Connector Type	NS94FW-CS

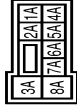


Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	B	-
3	V	-
4	B	-

Terminal No.	Color Of Wire	Signal Name [Specification]
41	W	-
42	G	-
43	BR	-
44	R	-
45	W	-
49	L	-
50	P	-
51	L	-
54	BG	-
57	BR	-
59	W	-
80	LG	-
81	G	-
82	SB	-
84	B	-
85	G	-
66	R	-
67	SHIELD	-
68	Y	-
70	W	-
71	R	-
72	Y	-
73	B	-
74	BR	- [With IGC] - [Without IGC]
75	L	- [With IGC] - [Without IGC]
76	W	- [With IGC] - [Without IGC]
77	P	- [With IGC] - [Without IGC]
78	BR	- [With IGC] - [Without IGC]
79	L	- [With IGC] - [Without IGC]
80	SB	-
81	R	-
82	SB	-
83	BG	-
84	G	-
86	P	-
87	V	-
89	GR	-
90	SHIELD	-
91	W	-
92	Y	-
93	V	-
94	LG	-

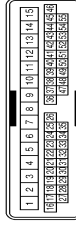
95	BG	-
86	P	-
97	R	-
98	SHIELD	-
99	L	-
100	P	-

Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS56FW-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	TH40MW-CS15



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

JRLWF4632GB

INTERIOR ROOM LAMP CONTROL SYSTEM


< DTC/CIRCUIT DIAGNOSIS >

INTERIOR ROOM LAMP CONTROL SYSTEM

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

54	LG	--	--
55	SB	--	--

Connector No. M6
Connector Name WIRE TO WIRE
Connector Type TH80MM-CS18-TM4




Terminal No.	Wire	Signal Name [Specification]
1	W	-- [With MAV]
1	Y	-- [Without MAV]
2	B	-- [With MAV]
2	R	-- [Without MAV]
3	B	-- [With MAV]
3	G	-- [Without MAV]
4	SHIELD	--
5	G	--
6	G	--
7	W	--
8	V	--
8	BR	--
10	R	--
11	BR	--
12	BG	--
13	L	--
14	R	--
15	P	--
16	V	--
17	SB	--
18	V	--
20	BG	--
21	L	--
22	W	--
24	BR	--
25	Y	--
26	V	--
27	G	--
28	G	--
31	L	--
32	G	--

32	B	--	--
34	W	--	--
35	R	--	--
36	SHIELD	--	--
37	V	--	--
38	BG	--	--
39	BR	--	--
41	W	--	--
42	BG	--	--
43	BG	--	--
45	W	--	--
49	L	--	--
51	BR	--	--
51	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	LV	--	--
72	Y	--	--
73	SB	-- [With ICC] -- [Without ICC]	
74	BR	-- [With ICC] -- [Without ICC]	
74	L	-- [With ICC] -- [Without ICC]	
75	G	-- [With ICC] -- [Without ICC]	
76	W	-- [With ICC] -- [Without ICC]	
77	P	-- [With ICC] -- [Without ICC]	
77	R	-- [With ICC] -- [Without ICC]	
78	L	-- [With ICC] -- [Without ICC]	
78	R	-- [With ICC] -- [Without ICC]	
79	W	-- [With ICC] -- [Without ICC]	
79	Y	-- [With ICC] -- [Without ICC]	
81	SB	-- [With ICC] -- [Without ICC]	
81	BR	-- [With ICC] -- [Without ICC]	
82	SB	-- [With ICC] -- [Without ICC]	
83	V	-- [With ICC] -- [Without ICC]	
84	G	-- [With ICC] -- [Without ICC]	
85	L	-- [With ICC] -- [Without ICC]	
86	P	-- [With ICC] -- [Without ICC]	
87	W	-- [With ICC] -- [Without ICC]	

89	CR	--	--
90	SHIELD	--	--
91	W	--	--
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 TH80MM-CS18-TM4



Terminal No.	Color Of Wire	Signal Name [Specification]
3	SB	-- [With automatic drive positioner] -- [Without automatic drive positioner]
3	W	-- [With automatic drive positioner] -- [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	--
17	SB	--
19	LG	--
20	BR	--
21	SHIELD	--
22	Y	--
24	V	--
25	G	--
26	Y	--
27	B	-- [With MAV]

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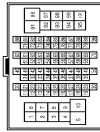
INTERIOR ROOM LAMP CONTROL SYSTEM

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INTERIOR ROOM LAMP CONTROL SYSTEM

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

Connector No.	M117
Connector Name	WIRE TO WIRE
Connector Type	T180MM-CS16-TM4



Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
2	G	-
3	GR	-
4	SB	-
7	W	-
10	W	-
18	SB	- [Without BOSE system]
19	W	- [With BOSE system]
17	BR	-
18	GR	-
19	W	-
26	BR	-
27	LG	-
28	Y	-
29	Y	-
30	V	-
31	R	-
32	BR	-
33	G	-
51	R	-
58	W	-
57	W	-
55	B	-
56	G	-
59	SHIELD	-
60	V	-
61	LG	-
62	BR	-
63	L	-
64	LG	-

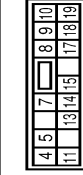


Connector No.	M118
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	M03FB-LC



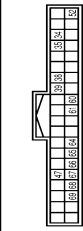
Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	BAT (F/L)
2	W	POWER WINDOW POWER SUPPLY(BAT)
3	Y	POWER WINDOW POWER SUPPLY(RAP)

Connector No.	M119
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	NS18FW-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 UNLOCK OUTPUT
10	BR	REAR DOOR UNLOCK OUTPUT
11	R	BAT (FUSE)
13	B	GROUND
14	W	PUSH-BUTTON IGNITION SW ILL OND
15	Y	ACC IND
17	W	TURN SIGNAL RH (FRONT)
18	BG	TURN SIGNAL LH (FRONT)
19	V	INT ROOM LAMP CONT

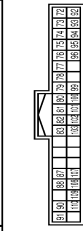
Connector No.	M121
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	T146FCY-NH



Terminal No.	Color Of 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 F/R) CONT
52	SB	STARTER RELAY CONT
60	BR	PUSH SW

61	W	BACK DOOR OPENER REQUEST SW
64	V	F-KEY WARN BUZZER (ENG ROOM)
65	BG	REAR WIPER STGE 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	T146FE-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
72	R	ROOM ANT-
73	G	ROOM ANT+
74	SB	PASSENGER DOOR ANT-
75	GR	PASSENGER DOOR ANT+
76	W	DRIVER DOOR ANT-
77	LG	DRIVER DOOR ANT+
78	Y	ROOM ANT-
79	BR	ROOM ANT+
80	GR	MATS ANT AMP.
81	W	MATS ANT AMP.
82	R	IGN RELAY (F/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 TILL CONT
93	V	IGN IND
94	W	PURD IND
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

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INTERIOR ROOM LAMP CONTROL SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

INTERIOR ROOM LAMP CONTROL SYSTEM

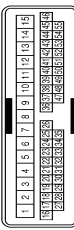
103	R	COMBI SW INPUT 4
108	Y	COMBI SW INPUT 2
110	G	HAZARD SW

Connector No.	M123
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FG-NH



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 F7B
124	LG	PASSENGER DOOR SW
132	GR	POWER WINDOW SW (DRIVER SIDE)
133	WR	POWER WINDOW SW (PASSENGER SIDE)
134	GR	LOCK IND SW (L/POWER)
137	BG	RECEIVER/SENSOR GND
138	Y	RECEIVER/SENSOR POWER SUPPLY
139	L	TIRE PRESSURE RECEIVER COMM
140	GR	SHIFT N/P
141	G	SECURITY IND 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 DEFOGGER RELAY CONT

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



Terminal No.	Color Of Wire	Signal Name [Specification]
7	Y	-
8	LG	-
9	Y	-
12	L	-
13	V	-
14	B	-
15	W	-
16	BR	-
17	B	-
18	R	-
19	B	-
20	G	- [W/tp around view monitor]
21	W	- [W/tp around view monitor]
21	SHIELD	- [W/tp around view monitor]
22	SB	-
23	GR	-
24	G	-
25	Y	-
26	R	-
27	W	-
30	W	-
33	BR	-
34	V	-
35	G	-
36	G	-
42	BR	-
43	L	-
44	Y	-
45	R	-
46	W	-
47	SHIELD	-
52	R	-
53	G	-
54	W	-
55	BG	-

Connector No.	M125
Connector Name	WIRE TO WIRE
Connector Type	M03FW-LC



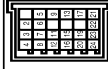
Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	Y	-
3	R	-

Connector No.	M126
Connector Name	WIRE TO WIRE
Connector Type	M03MW-LC



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

Connector No.	M360
Connector Name	JOINT CONNECTOR-M05
Connector Type	NH24FW-J



Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	-
2	P	-
3	P	-
4	L	-
5	R	-
6	GR	-
7	P	-
8	L	-
9	BR	-
11	P	-
12	L	-
13	BR	-
15	P	-
17	V	-
19	P	-
20	L	-
21	V	-
22	G	-
23	P	-
24	L	-

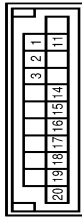
JRLWF4636GB

INTERIOR ROOM LAMP CONTROL SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

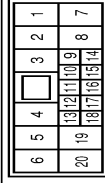
INTERIOR ROOM LAMP CONTROL SYSTEM

Connector No.	M36E
Connector Name	JOINT CONNECTOR-M13
Connector Type	NH10FW-DC



Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	Y	-
3	Y	-
11	B	-
14	B	-
15	B	-
16	SHIELD	-
17	SHIELD	-
18	SHIELD	-
19	B	-
20	SHIELD	-

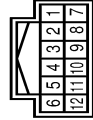
Connector No.	R1
Connector Name	WIRE TO WIRE
Connector Type	NH10FW-CS10



Terminal No.	Color Of Wire	Signal Name [Specification]
2	SHIELD	-
3	L	-
4	BR	-
5	G	-
7	BR	-
8	Y	-
9	B	-
10	Y	-

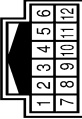
11	V	-
12	BR	-
13	R	-
14	W	-
15	SHIELD	-
16	B	-
18	B	-

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



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



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

Connector No.	R12
Connector Name	VANITY MIRROR LAMP LH
Connector Type	MICA02FW



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

Connector No.	R12
Connector Name	VANITY MIRROR LAMP RH
Connector Type	MICA02FW



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

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P

INL

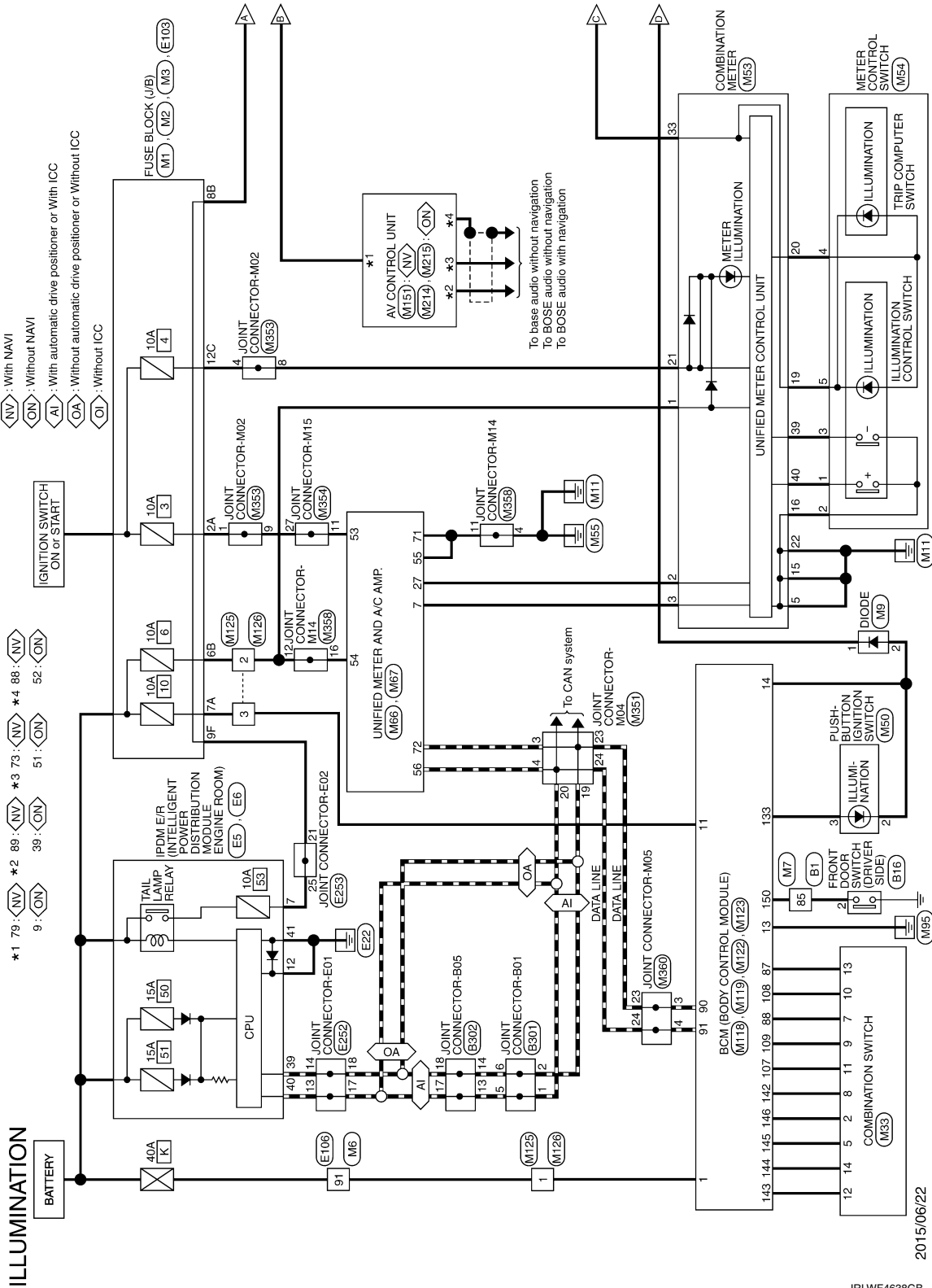
ILLUMINATION

< DTC/CIRCUIT DIAGNOSIS >

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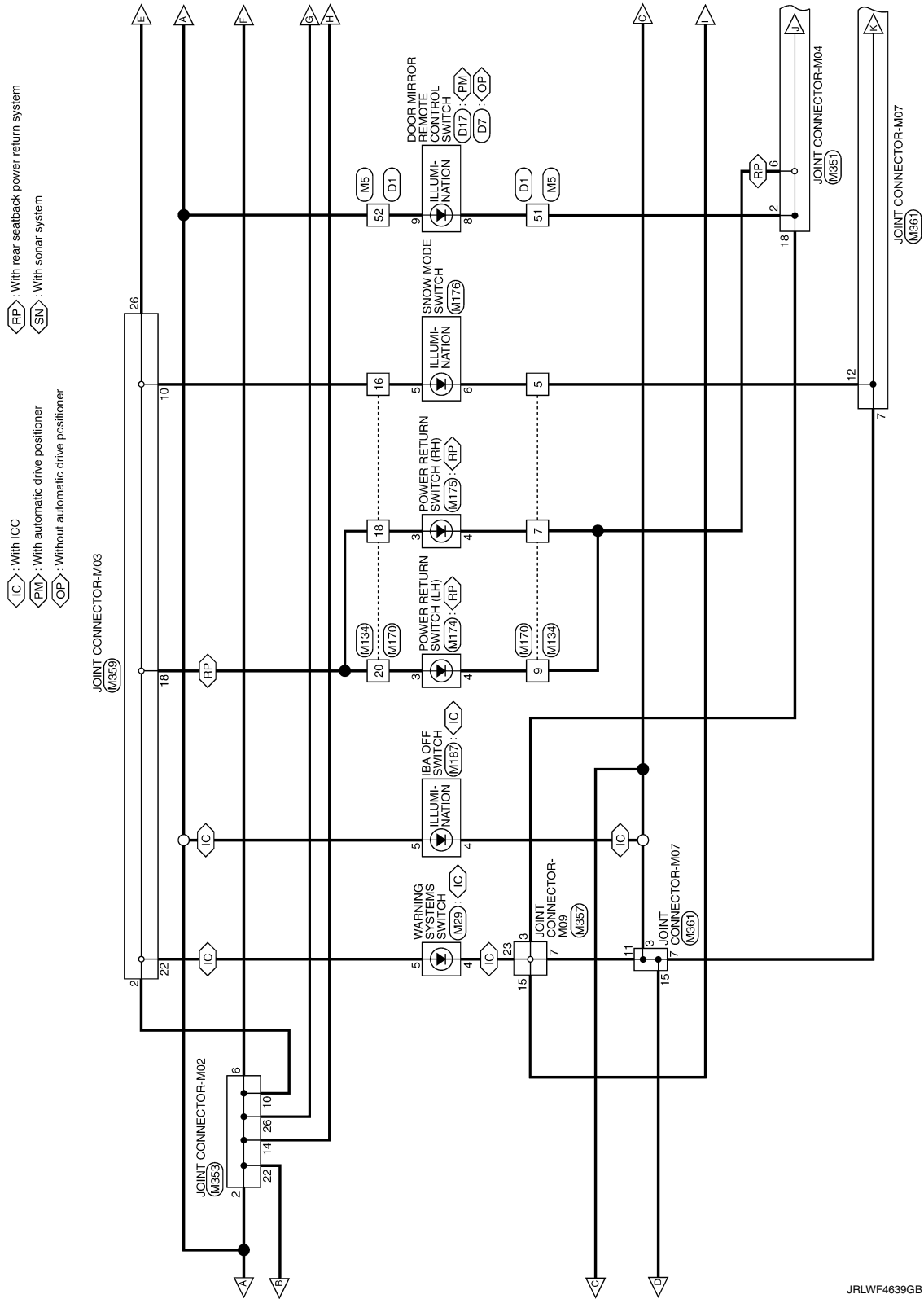
Wiring Diagram - ILLUMINATION -

INFOID:000000012167358



ILLUMINATION

< DTC/CIRCUIT DIAGNOSIS >



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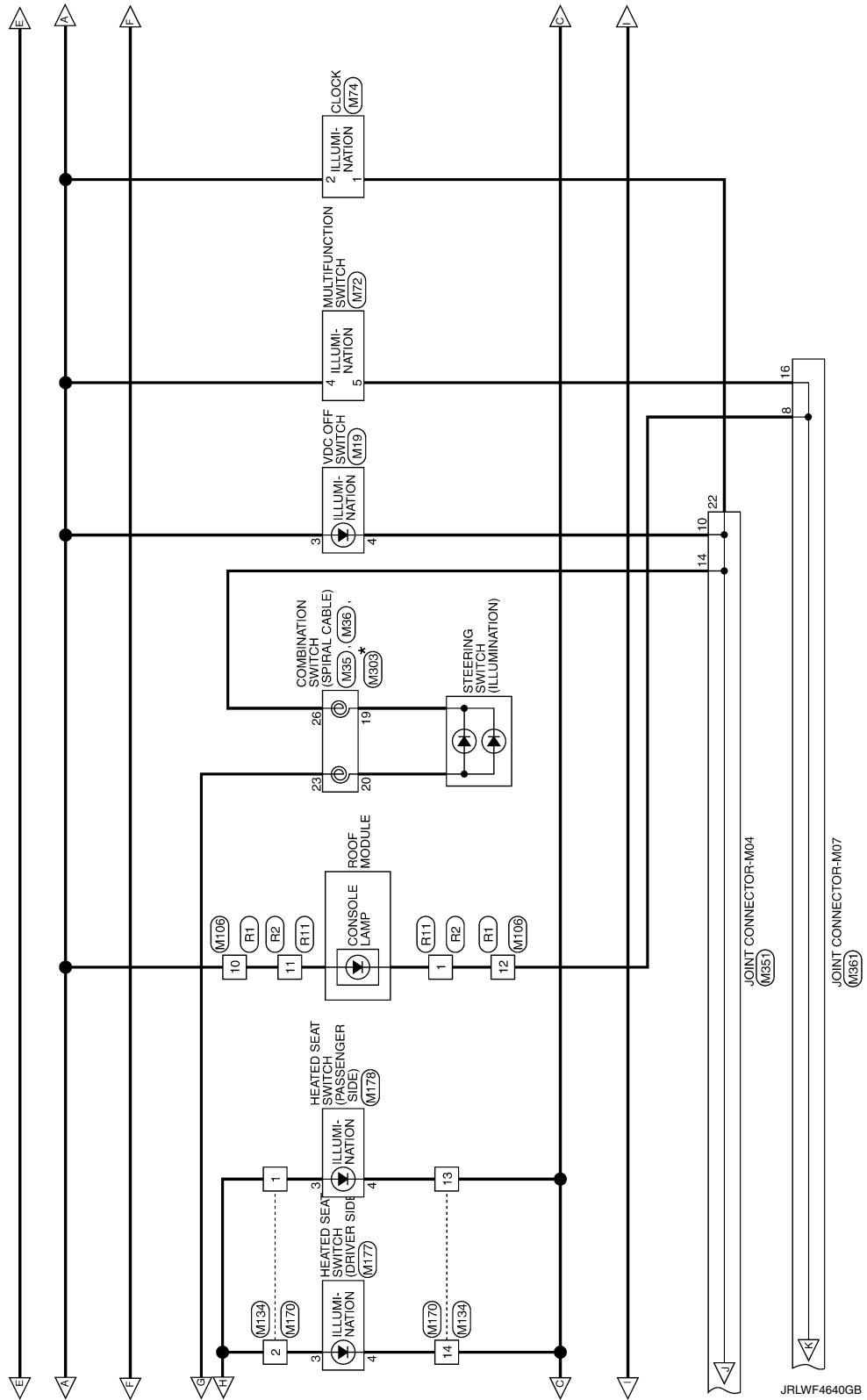
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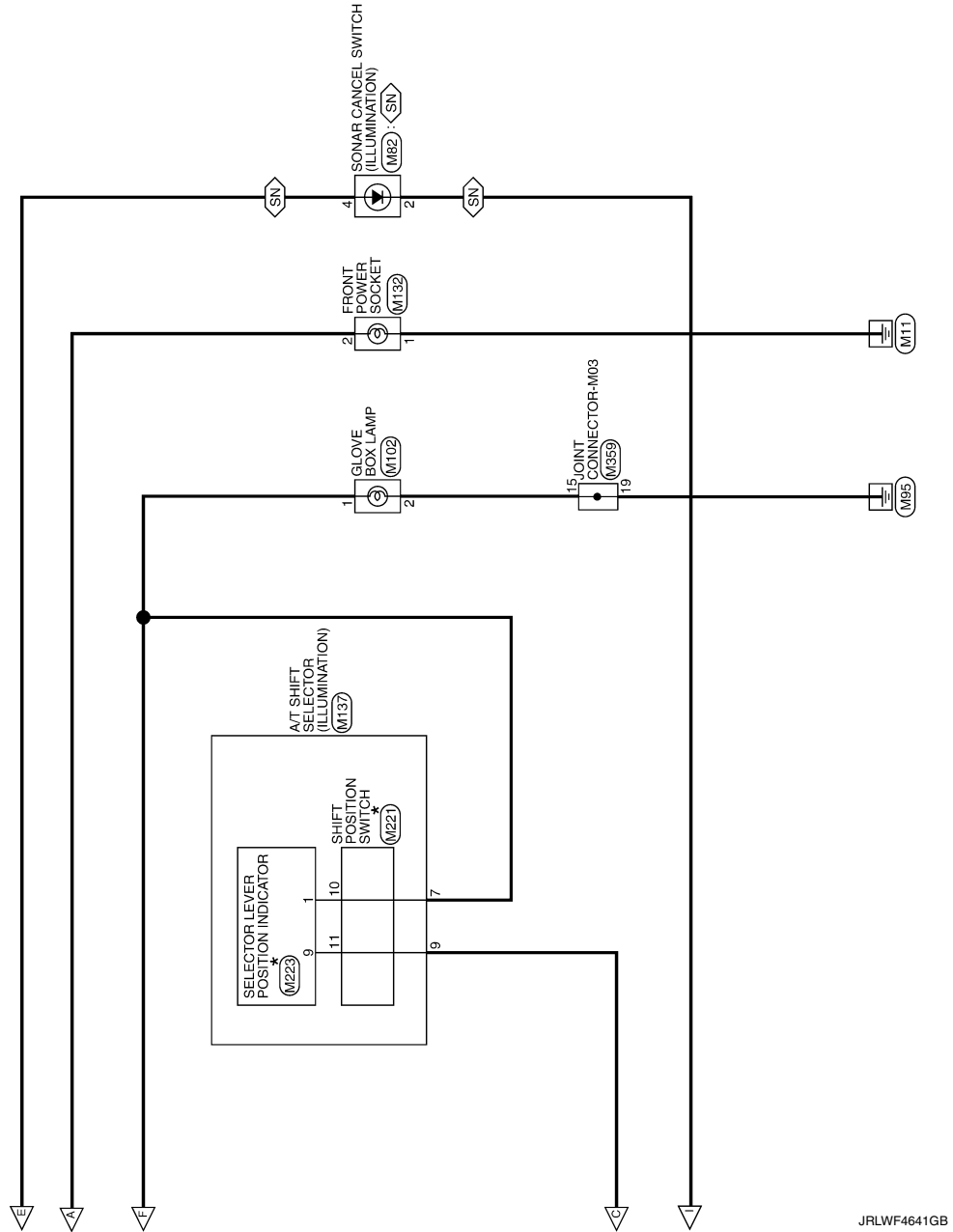
*: This connector is not shown in "Harness Layout".



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ILLUMINATION

< DTC/CIRCUIT DIAGNOSIS >



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ILLUMINATION

< DTC/CIRCUIT DIAGNOSIS >

Terminal No.	Color Of Wire	Signal Name [Specification]
3	R	-
5	G	-
6	SB	-
7	V	-
8	L	-
11	V	-
12	SB	-
13	LG	-
14	GR	-
15	LG	-
16	R	-
17	W	-
18	GR	-
19	GR	-
20	BR	-
21	SHIELD	-
22	Y	-
24	P	-
25	G	-
26	Y	-
27	B	- [With NAVI]
27	BR	- [Without NAVI]
28	R	- [With NAVI]
28	W	- [Without NAVI]
29	L	- [With NAVI]
29	L	- [Without NAVI]
29	Y	- [With NAVI]
30	SHIELD	- [With neutral view mirror]
31	L	- [Without second view mirror]
31	SHIELD	- [With NAVI] [Without Blind Spot Warning]
32	P	- [With NAVI] [Without Blind Spot Warning]
32	W	- [Without NAVI] [Without Blind Spot Warning]
32	Y	- [With NAVI] [With Blind Spot Warning]
33	SB	-
34	L	-
35	P	-

Terminal No.	Color Of Wire	Signal Name [Specification]
36	L	-
37	P	-
38	P	-
39	Y	-
40	SB	-
44	Y	-
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	W	-
67	V	-
68	SB	-
69	SHIELD	-
70	W	-
73	SB	-
74	L	-
75	W	-
76	GR	-
77	R	-
78	P	-
79	GR	-
83	BG	-
85	V	-
86	LG	-
87	Y	-
88	R	-
89	B	-
90	BG	-
91	G	-
92	BR	-
93	G	-
94	SB	-
95	G	-
96	Y	-
98	W	-
99	GR	-

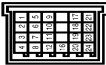
Connector No.	Connector Name	Connector Type
B16	FRONT DOOR SWITCH (DRIVER SIDE)	A03FW



HS

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

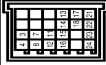
Connector No.	Connector Name	Connector Type
B301	JOINT CONNECTOR-B01	NI24FE-J



HS

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

Connector No.	Connector Name	Connector Type
B302	JOINT CONNECTOR-B05	NI24FGY-J



HS

Terminal No.	Color Of Wire	Signal Name [Specification]
3	Y	-
4	L	-
7	Y	-
8	L	-
11	Y	-
12	L	-
13	L	-
14	P	-
15	Y	-
16	L	-
17	L	-
18	P	-
21	L	-
22	P	-
23	Y	-
24	L	-

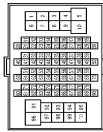
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ILLUMINATION

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ILLUMINATION

Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	TF480FW-CS16-TM4

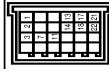


Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	W	-
3	B	-
4	GR	-
5	GR	-
6	G	-
7	L	-
8	Y	-
9	BR	-
10	BG	-
11	SB	-
12	BG	-
13	L	-
14	B	-
15	P	-
16	V	-
17	SB	-
18	V	-
20	BG	-
21	L	-
22	V	-
23	G	-
24	P	-
25	Y	-
26	V	-
27	V	-
28	V	-
29	BG	-
30	W	-
31	B	-
32	W	-
33	B	-
34	R	-
35	G	-
36	SHIELD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

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

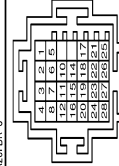
95	BG	-
96	P	-
97	R	-
98	SHIELD	-
99	L	-
100	P	-

Connector No.	E252
Connector Name	JOINT CONNECTOR-E01
Connector Type	HP24RFV-J



Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
2	P	-
3	GR	-
7	GR	-
13	GR	-
14	P	-
17	L	-
18	P	-
21	L	-
22	P	-

Connector No.	E253
Connector Name	JOINT CONNECTOR-E02
Connector Type	SGA28FBR-J



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	R	-
3	G	-
4	Y	-
5	P	-
6	L	-
7	G	-
8	Y	-
10	L	-
11	G	-
12	W	-
13	G	- [Without BOSE system] - [With BOSE system]
14	P	-
15	SHIELD	-
16	R	-
17	W	-
18	G	-
19	GR	-
20	B	-
21	R	-
22	G	-
23	SHIELD	-
24	B	-
25	R	-
26	G	- [Without BOSE system] - [With BOSE system]
27	SHIELD	-
28	G	- [Without NAVI]
28	L	-

Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	INS06FY-M2



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

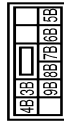
ILLUMINATION

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ILLUMINATION

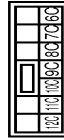
4A	R	-	-
5A	V	-	-
6A	Y	-	-
7A	R	-	-
8A	L	-	-

Connector No.	M2
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS1DFW-C5



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

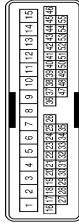
Connector No.	M3
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS1ZFW-C5



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

9C	BG	-	-
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Connector No.	M5
Connector Name	WIRE TO WIRE
Connector Type	TH4QMW-C51B



Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	B	-
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	W	-
16	R	-
17	B	-
18	SHIELD	-
19	G	-
20	L	-
21	LG	-
22	L	-
23	G	-
24	GR	-
25	R	-
26	W	-
28	V	-
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	V	-	-
48	R	-	-
49	G	-	-
50	P	-	-
51	B	-	-
52	R	-	-
53	V	-	-
54	LG	-	-
55	SB	-	-

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH8BMM-C51P-TM4



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

9	BR	-	-
10	R	-	-
11	BR	-	-
12	BG	-	-
13	L	-	-
14	R	-	-
15	P	-	-
16	V	-	-
17	SB	-	-
18	V	-	-
20	BG	-	-
21	L	-	-
22	W	-	-
23	R	-	-
24	BR	-	-
25	V	-	-
26	V	-	-
27	G	-	-
28	G	-	-
31	L	-	-
32	G	-	-
33	B	-	-
34	W	-	-
35	R	-	-
36	SHIELD	-	-
37	V	-	-
38	BG	-	-
39	BR	-	-
40	W	-	-
41	W	-	-
42	BG	-	-
43	BG	-	-
45	W	-	-
49	L	-	-
50	P	-	-
51	BR	-	-
54	Y	-	-
57	G	-	-
59	W	-	-
60	L	-	-
61	G	-	-
62	SB	-	-
64	G	-	-
65	W	-	-
66	R	-	-
67	SHIELD	-	-
68	Y	-	-
69	GR	-	-
70	LG	-	-
71	LG	-	-

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ILLUMINATION

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ILLUMINATION

Terminal No.	Color Of Wire	Signal Name [Specification]
72	Y	-
73	SB	-
74	BR	- [With LCC]
74	L	- [Without LCC]
75	G	- [With LCC]
76	GR	- [Without LCC]
76	W	- [With LCC]
77	P	- [Without LCC]
77	R	- [With LCC]
78	L	- [Without LCC]
78	R	- [With LCC]
79	W	- [Without LCC]
79	Y	- [With LCC]
80	SB	-
81	SB	-
82	SB	-
83	V	-
84	G	-
85	L	-
86	P	-
87	W	-
89	GR	-
90	SHIELD	-
91	W	-
92	Y	-
93	BR	-
94	CR	-
95	CR	-
96	W	-
97	L	-
98	SHIELD	-
99	V	-
100	SB	-

Connector No.	M7
Connector Name	WIRE TO WIRE
Connector Type	T180DMW-CS (6-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	G	-
15	B	-
16	W	-
17	W	-
18	SB	-
19	LG	-
20	BR	-
21	SHIELD	-
24	V	-
25	G	-
26	Y	-
27	B	- [With MAX]
28	W	- [Without MAX]
29	B	- [With MAX]
30	B	- [Without MAX]
30	SHIELD	-
31	L	-
32	P	- [Without Blind Spot Warning]
32	Y	- [With Blind Spot Warning]
33	SB	-
34	L	-
35	P	-
36	L	-
37	P	-
38	P	-
39	Y	-
40	SB	-
41	SB	-
42	GR	-
43	GR	-
44	GR	-
45	GR	-
46	LG	-
47	SB	-
48	BG	-
49	R	-
50	L	-
60	P	-
61	L	-
62	SHIELD	-

Connector No.	M9
Connector Name	DIODE
Connector Type	24335 C9800



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

Connector No.	M19
Connector Name	VDC OFF SWITCH
Connector Type	T100BFCY



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

Connector No.	M29
Connector Name	WARNING SYSTEMS SWITCH
Connector Type	T100BFCY



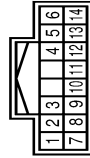
Terminal No.	Color Of Wire	Signal Name [Specification]
2	SB	-
3	W	-
4	B	-
5	R	-
6	B	-
7	V	-

ILLUMINATION

< DTC/CIRCUIT DIAGNOSIS >

ILLUMINATION

Connector No.	M53
Connector Name	COMBINATION SWITCH (SPRALL CABLE)
Connector Type	TH16FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	P	FR WASHER(-)
2	SB	OUTPUT 4
3	GR	FR WASHER(+)
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.	M55
Connector Name	COMBINATION SWITCH (SPRALL CABLE)
Connector Type	TK08FY-EX-IV



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

Connector No.	M56
Connector Name	COMBINATION SWITCH (SPRALL CABLE)
Connector Type	TK08FY-IV



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

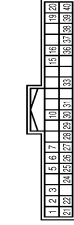


Connector No.	M50
Connector Name	PUSH-BUTTON IGNITION SWITCH
Connector Type	TK08FBR



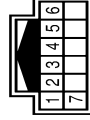
Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	W	-
3	W	-
4	BR	-
5	BR	-
6	Y	-
7	V	-
8	P	-

Connector No.	M57
Connector Name	COMBINATION METER
Connector Type	TH40FW-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
6	P	ALTERNATOR SIGNAL
7	BR	AIR BAG SIGNAL
10	G	SECURITY SIGNAL
15	B	GROUND
16	B	METER CONTROL SWITCH GROUND
19	B	ILL GND
20	R	ILL
21	BG	GROUND
22	BR	COMMUNICATION SIGNAL (METER->LCD)
23	Y	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 (C)
40	BG	ILLUMINATION CONTROL SWITCH SIGNAL (D)

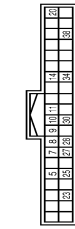
Connector No.	M54
Connector Name	METER CONTROL SWITCH
Connector Type	TH12MW-NH



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	TH40FP-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
5	L	MANUAL MODE SHIFT UP SIGNAL
7	GR	COMMUNICATION SIGNAL (AMP->METER)
8	L	VEHICLE SPEED SIGNAL (2-PULSE)
9	SB	SEAT BELT BUCKLE SWITCH SIGNAL DRIVER SIDE
10	R	VEHICLE SPEED SIGNAL
11	G	NON-MANUAL MODE SIGNAL
14	BR	COMMUNICATION SIGNAL (LCD->AMP)
20	L	IGN 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

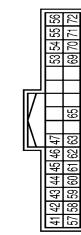
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ILLUMINATION

34	Y	COMMUNICATION SIGNAL (AMP)→LCD
38	P	BLOWER MOTOR CONTROL SIGNAL

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



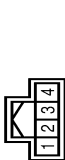
Terminal No.	Color Of Wire	Signal Name [Specification]
41	V	ACC POWER SUPPLY
42	Y	FUEL LEVEL SENSOR SIGNAL
43	R	INTAKE SENSOR SIGNAL
44	LG	IN-VEHICLE SENSOR SIGNAL
45	P	AMBIENT SENSOR SIGNAL
46	BG	SUNLOAD SENSOR SIGNAL
47	G	EXHAUST GAS OXYGEN CONCENTRATION SENSOR SIGNAL
48	G	IGNITION POWER SUPPLY
49	B	BATTERY POWER SUPPLY
50	B	GROUND
51	L	CAN-H
52	W	BRAKE FLUID LEVEL SWITCH SIGNAL
53	BR	FUEL LEVEL SENSOR GROUND
54	GR	INTAKE SENSOR GROUND
55	L	IN-VEHICLE SENSOR GROUND
56	BR	AMBIENT SENSOR GROUND
57	SB	SUNLOAD SENSOR GROUND
58	R	ECV SIGNAL
59	L	A/C CLAN SIGNAL
60	R	EACH DOOR MOTOR POWER SUPPLY
61	B	GROUND
62	P	GROUND
63	P	CAN-L

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



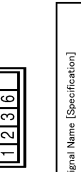
Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	GROUND
2	V	ACC
3	R	ILL
4	Y	ILL COM1
5	SB	AV COMM (H)
6	LG	AV COMM (L)
7	B	SW GND
8	Y	DISK EJECT SIGNAL
9	B	HAZARD ON
10	G	HAZARD ON

Connector No.	M74
Connector Name	CLOCK
Connector Type	TH44FW-NH



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

Connector No.	M82
Connector Name	SONAR CANCEL SWITCH
Connector Type	TK03FW



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

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



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

Connector No.	M106
Connector Name	WIRE TO WIRE
Connector Type	NH10MA-GS10



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

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



ILLUMINATION

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ILLUMINATION

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(RAP)

Connector No.	M119
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	NS1BFV-CS



4	5	7	8	9	10
11	13	14	15	17	18
19					

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 ID LOCK OUTPUT
9	G	DRIVER DOOR FUEL ID UNLOCK OUTPUT
10	BR	REAR DOOR UNLOCK OUTPUT
11	R	BELOW
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.	M122
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH4QFB-NH



61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110
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Terminal No.	Color Of Wire	Signal Name [Specification]
72	E	ROOM ANT2 -
73	G	ROOM ANT2 +
74	GR	PASSENGER DOOR ANT-
75	SB	PASSENGER DOOR ANT+
76	V	DRIVER DOOR ANT-
77	LG	DRIVER DOOR ANT+
78	Y	ROOM ANTI-
79	BR	ROOM ANTI+
80	GR	NATS ANT AMP
81	W	NATS ANT AMP
82	R	IGN RELAY (F/B) CONT
83	Y	KEYLESS ENTRY RECEIVER COMM
87	BR	COMBI SW INPUT 3
88	Y	COMBI SW INPUT 3
89	P	CAN-H
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 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 1
109	X	COMBI SW INPUT 2
110	G	HAZARD SW

Connector No.	M123
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH4QFC-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
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Terminal No.	Color Of Wire	Signal Name [Specification]
112	SB	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
133	W	POWER WINDOW SW COMM
134	GR	PUSH-BUTTON IGNITION SW ILL POWER LOCK IND
137	BG	RECEIVER SENSOR GND
138	Y	RECEIVER SENSOR POWER SUPPLY
139	L	TIRE PRESSURE RECEIVER COMM
140	GR	SECURITY IND 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 DEFOGGER RELAY CONT

Connector No.	M125
Connector Name	WIRE TO WIRE
Connector Type	M03FW-LC



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

Connector No.	M126
Connector Name	WIRE TO WIRE
Connector Type	M03MM-LC



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

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ILLUMINATION

Connector No.	M132
Connector Name	FRONT POWER SOCKET
Connector Type	NS303FW-CS



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

Connector No.	M134
Connector Name	WIRE TO WIRE
Connector Type	TH24MW-NH



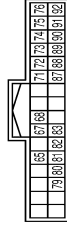
Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	R	-
3	BR	-
4	B	-
5	R	-
6	V	-
7	B	-
8	B	-
9	B	-
10	B	-
11	B	-
12	B	-
13	W	-
14	W	-
15	Y	-
16	P	-
17	B	-
18	L	-
19	Y	-
20	L	-

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	-

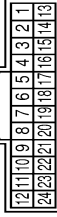
Connector No.	M151
Connector Name	AV CONTROL UNIT
Connector Type	TH32FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
65	V	PARKING BRAKE SIGNAL
67	G	COMPOSITE IMAGE SIGNAL GND
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

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 (H)

Connector No.	M170
Connector Name	WIRE TO WIRE
Connector Type	TH24FW-NH



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

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



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

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

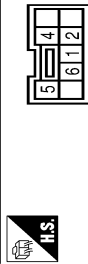


Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	-
2	L	-
3	G	-
4	V	-

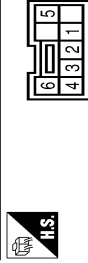
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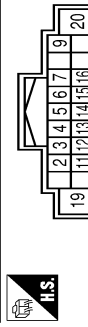
Connector No.	M176
Connector Name	SNOW MODE SWITCH
Connector Type	TK08FW



Connector No.	M178
Connector Name	HEATED SEAT SWITCH (PASSENGER SIDE)
Connector Type	TK08FB

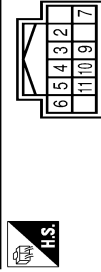


Connector No.	M214
Connector Name	AV CONTROL UNIT
Connector Type	TM18FW-CS2



Terminal No.	Color Of Wire	Signal Name [Specification]
41	SHIELD	SHIELD
42	W	RGB SYNCHRONIZING SIGNAL
43	G	RGB SIGNAL (RED)
44	L	RGB SIGNAL (GREEN)
45	P	RGB SIGNAL (BLUE)
46	V	COMPOSITE IMAGE SIGNAL
47	SB	COMPOSITE IMAGE SIGNAL GND
48	Y	COMPOSITE IMAGE SIGNAL
49	BR	INVERTER VCC
50	G	INVERTER GND
51	V	COMMON (CONT-DISP)
52	SHIELD	SHIELD
57	SHIELD	SHIELD
58	SHIELD	SHIELD

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



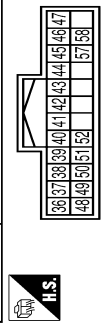
Terminal No.	Color Of Wire	Signal Name [Specification]
2	-	W
3	-	D
4	-	R
5	-	P
6	-	M
7	-	AT
9	-	MT
10	-	ILL
11	-	GROUND

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

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



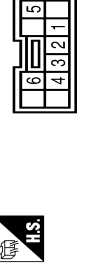
Connector No.	M215
Connector Name	AV CONTROL UNIT
Connector Type	TH12FW-NH



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

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

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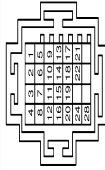
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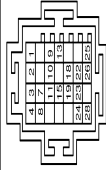
16	G	-
23	B	-

Connector No.	M355
Connector Name	JOINT CONNECTOR-M14
Connector Type	SGA28FSB-J



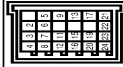
Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	- [Without BOSE system]
1	V	- [With BOSE system]
2	LG	- [Without BOSE system]
2	R	- [With BOSE system]
3	B	-
4	B	-
5	BR	- [Without BOSE system]
5	V	- [With BOSE system]
6	LG	- [Without BOSE system]
6	R	- [With BOSE system]
7	B	-
8	B	-
9	L	-
10	W	-
11	B	-
12	Y	-
13	L	-
14	W	-
15	BR	-
16	Y	-
17	L	-
18	W	-
19	BR	-
20	BR	-
21	W	-
22	W	-
23	W	-
24	BR	-
25	BR	-

Connector No.	M359
Connector Name	JOINT CONNECTOR-M03
Connector Type	SGA28FDG7-J



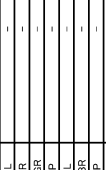
Terminal No.	Color Of Wire	Signal Name [Specification]
1	V	-
2	R	-
3	SHIELD	-
4	BG	-
7	SHIELD	-
8	BG	-
9	V	-
10	P	-
11	B	-
13	V	-
15	B	-
18	L	-
22	R	-
24	BG	-
25	V	-
26	L	-
28	BR	-

Connector No.	M360
Connector Name	JOINT CONNECTOR-M05
Connector Type	INR24FW-J



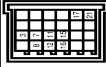
Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	B	-
3	B	-
4	B	-
5	B	-
6	B	-
7	B	-
8	B	-
9	B	-
10	B	-
11	B	-
12	B	-
13	B	-
14	B	-
15	B	-
16	B	-
17	G	-
21	G	-

Terminal No.	Color Of Wire	Signal Name [Specification]
2	GR	-
3	P	-
4	L	-
5	R	-
6	GR	-
7	P	-
8	L	-
9	BR	-
11	P	-
12	L	-
13	BR	-
15	P	-
17	V	-
19	P	-
20	L	-
21	V	-
22	G	-
23	P	-
24	L	-



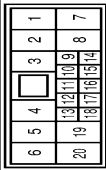
Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	SHIELD	-
3	L	-
4	BR	-
5	G	-
7	BR	-
8	Y	-
9	B	-
10	Y	-
11	V	-
12	BR	-
13	R	-
14	W	-
15	SHIELD	-
16	B	-
18	B	-

Connector No.	M381
Connector Name	JOINT CONNECTOR-M07
Connector Type	INR24FL-J



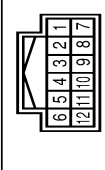
Terminal No.	Color Of Wire	Signal Name [Specification]
3	B	-
7	B	-
8	B	-
9	B	-
12	B	-
15	R	-
16	Y	-
17	G	-
21	G	-

Connector No.	R1
Connector Name	WIRE TO WIRE
Connector Type	NH18FM-CS10



Terminal No.	Color Of Wire	Signal Name [Specification]
1	VC	-
2	SHIELD	-
3	L	-
4	BR	-
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	TH12FM-NH



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

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



ILLUMINATION

< DTC/CIRCUIT DIAGNOSIS >

ILLUMINATION

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

Connector No.	IR11
Connector Name	WIRE TO WIRE
Connector Type	TRIZEM-NH



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

JRLWF4654GB

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

ECU DIAGNOSIS INFORMATION

BCM (BODY CONTROL MODULE)

Reference Value

INFOID:0000000012821268

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	
	The brake pedal is not depressed when No. 7 fuse is blown, or No. 7 fuse is normal	On	J
BRAKE SW 2	The brake pedal is not depressed	Off	
	The brake pedal is depressed	On	K
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	
	Driver door is locked	On	O
PUSH SW -IPDM	Push-button ignition switch (push-switch) is not pressed	Off	
	Push-button ignition switch (push-switch) is pressed	On	P
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 speedometer reading
VEH SPEED 2	While driving	Equivalent to speedometer 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)

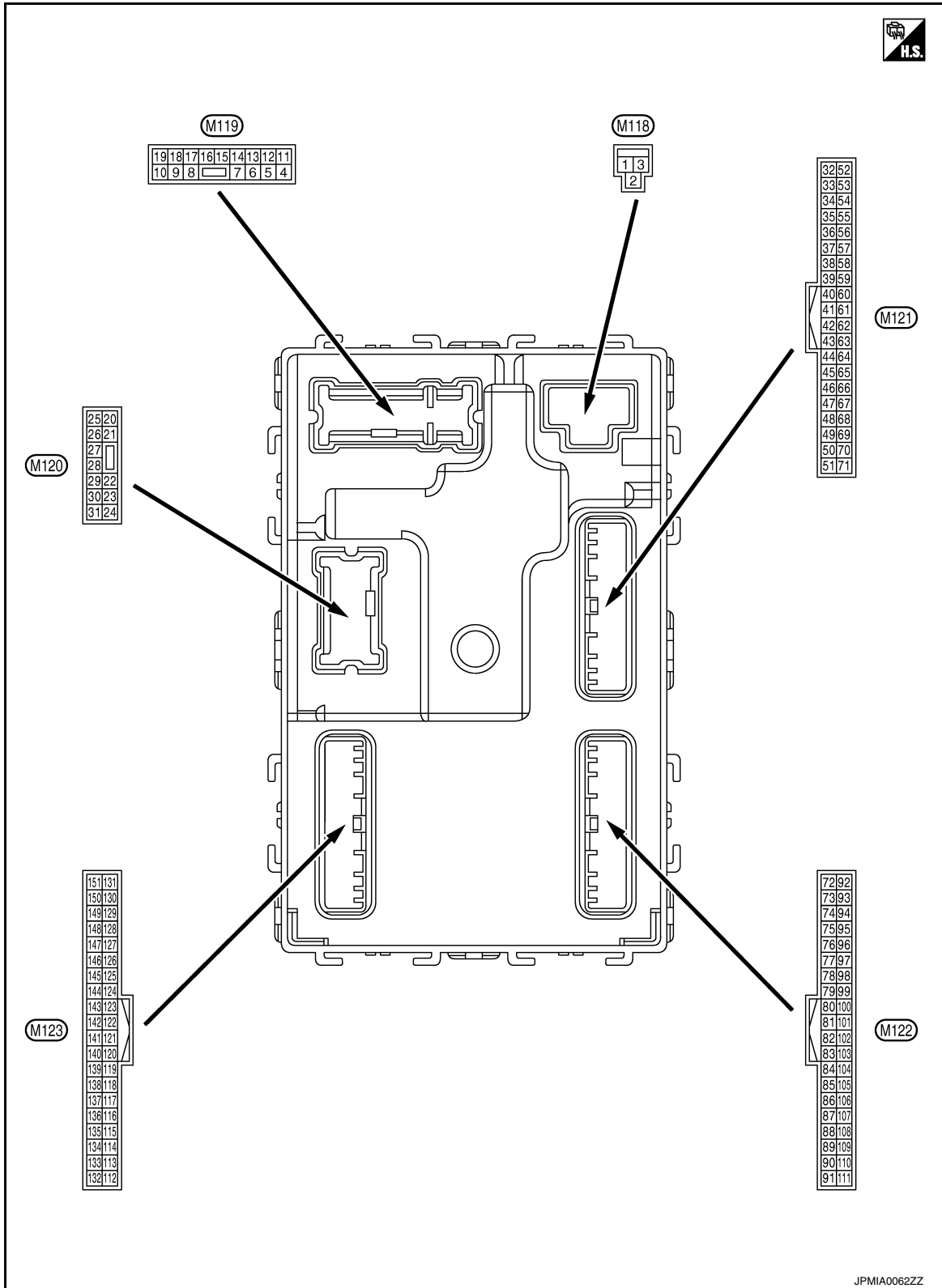
< ECU DIAGNOSIS INFORMATION >

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	
	ID of front RH tire transmitter is not registered	Yet	
ID REGST RR1	ID of rear RH tire transmitter is registered	Done	K
	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	
	Tire pressure indicator ON	On	M
BUZZER	Tire pressure warning alarm is not sounding	Off	
	Tire pressure warning alarm is sounding	On	N

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

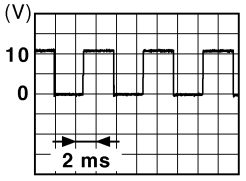
TERMINAL LAYOUT



PHYSICAL VALUES

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

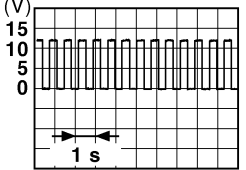
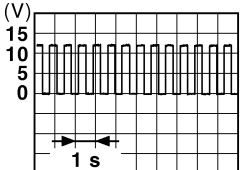
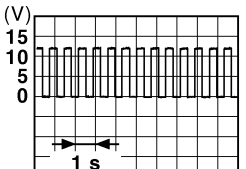
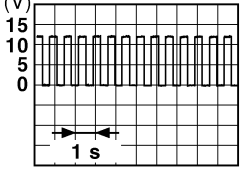
Terminal No. (Wire color)		Description		Condition		Value (Approx.)
+	-					
1 (W)	Ground	Battery power supply	Input	Ignition switch OFF		Battery voltage
2 (W)	Ground	P/W power supply (BAT)	Output	Ignition switch OFF		Battery voltage
3 (Y)	Ground	P/W power supply (RAP)	Output	Ignition switch ON		Battery 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	<p>NOTE: When the illumination brightening/dimming level is in the neutral position</p>  <p style="text-align: right; font-size: small;">JSNIA0010GB</p>
15 (Y)	Ground	ACC indicator lamp	Output	Ignition switch	OFF or ON	Battery voltage
					ACC	0 V

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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition	Value (Approx.)	
		Signal name	Input/ Output			
+	-					
17 (W)	Ground	Turn signal RH (Front, side)	Output	Ignition switch ON	Turn signal switch OFF	0 V
					Turn signal switch RH	 <p style="text-align: right; font-size: small;">PKID0926E</p>
18 (BG)	Ground	Turn signal LH (Front, side)	Output	Ignition switch ON	Turn signal switch OFF	0 V
					Turn signal switch LH	 <p style="text-align: right; font-size: small;">PKID0926E</p>
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	 <p style="text-align: right; font-size: small;">PKID0926E</p>
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	 <p style="text-align: right; font-size: small;">PKID0926E</p>
26 (G)	Ground	Rear wiper	Output	Rear wiper	OFF (Stopped)	0 V
					ON (Operated)	Battery voltage

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

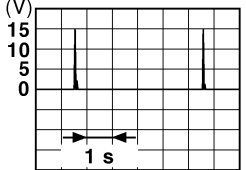
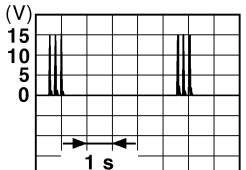
Terminal No. (Wire color)		Description		Condition	Value (Approx.)
+	-	Signal name	Input/ Output		
34 (SB)	Ground	Luggage room antenna (-)	Output	Ignition switch OFF	<p>JMKIA0062GB</p>
				When Intelligent Key is not in the passenger compartment	<p>JMKIA0063GB</p>
35 (V)	Ground	Luggage room antenna (+)	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>

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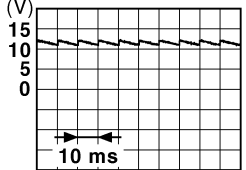
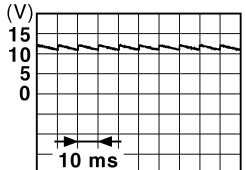
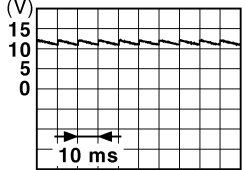
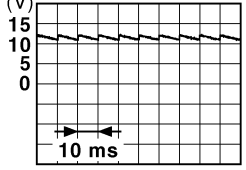
BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition	Value (Approx.)
+	-	Signal name	Input/ Output		
39 (W)	Ground	Back door antenna (+)	Output	When Intelligent Key is in the antenna detection area	 <p style="text-align: right; font-size: small;">JMKIA0062GB</p>
				When the back door opener request switch is operated with ignition switch OFF	 <p style="text-align: right; font-size: small;">JMKIA0063GB</p>
47 (Y)	Ground	Ignition relay (IPDM E/R) control	Output	Ignition switch	OFF or ACC ON Battery voltage 0 V
				52 (SB)	Ground
60 (BR)	Ground	Push-button ignition switch (Push switch)	Input		
				61 (W)	Ground
64 (V)	Ground	Intelligent Key warning buzzer (Engine room)	Output		
				65 (BG)	Ground
65 (BG)	Ground	Rear wiper stop position	Input		

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

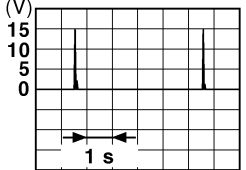
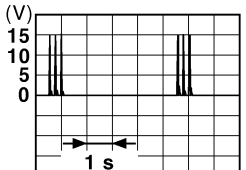
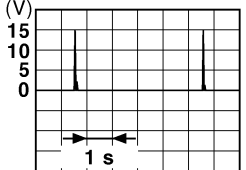
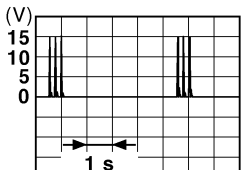
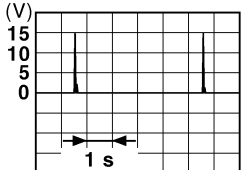
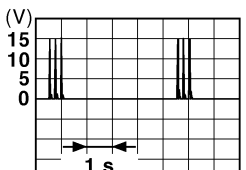
Terminal No. (Wire color)		Description		Condition	Value (Approx.)
		Signal name	Input/ Output		
+	-				
66 (R)	Ground	Back door switch	Input	Back door switch	<div style="display: flex; align-items: center;">  <div style="margin-left: 10px;"> <p>11.8 V</p> </div> </div>
				ON (Door open)	0 V
67 (GR)	Ground	Back door opener switch	Input	Back door opener switch	<div style="display: flex; align-items: center;">  <div style="margin-left: 10px;"> <p>11.8 V</p> </div> </div>
				Pressed	0 V
68 (BR)	Ground	Rear RH door switch	Input	Rear RH door switch	<div style="display: flex; align-items: center;">  <div style="margin-left: 10px;"> <p>11.8 V</p> </div> </div>
				ON (Door open)	0 V
69 (R)	Ground	Rear LH door switch	Input	Rear LH door switch	<div style="display: flex; align-items: center;">  <div style="margin-left: 10px;"> <p>11.8 V</p> </div> </div>
				ON (Door open)	0 V

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Terminal No. (Wire color)		Description		Condition	Value (Approx.)
+	-	Signal name	Input/ Output		
72 (R)	Ground	Room antenna 2 (-) (Console)	Output	Ignition switch OFF	<p>When Intelligent Key is in the passenger compartment</p>  <p style="text-align: right; font-size: small;">JMKIA0062GB</p>
					<p>When Intelligent Key is not in the passenger compartment</p>  <p style="text-align: right; font-size: small;">JMKIA0063GB</p>
73 (G)	Ground	Room antenna 2 (+) (Console)	Output	Ignition switch OFF	<p>When Intelligent Key is in the passenger compartment</p>  <p style="text-align: right; font-size: small;">JMKIA0062GB</p>
					<p>When Intelligent Key is not in the passenger compartment</p>  <p style="text-align: right; font-size: small;">JMKIA0063GB</p>
74 (SB)	Ground	Passenger door antenna (-)	Output	When the passenger door request switch is operated with ignition switch OFF	<p>When Intelligent Key is in the antenna detection area</p>  <p style="text-align: right; font-size: small;">JMKIA0062GB</p>
					<p>When Intelligent Key is not in the antenna detection area</p>  <p style="text-align: right; font-size: small;">JMKIA0063GB</p>

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

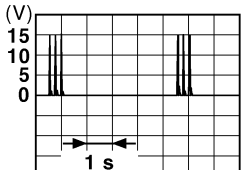
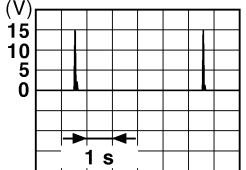
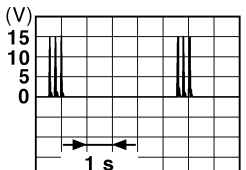
Terminal No. (Wire color)		Description		Condition	Value (Approx.)
+	-	Signal name	Input/ Output		
75 (GR)	Ground	Passenger door antenna (+)	Output	When Intelligent Key is in the antenna detection area	<p style="text-align: right; font-size: small;">JMKIA0062GB</p>
				When the passenger door request switch is operated with ignition switch OFF	<p style="text-align: right; font-size: small;">JMKIA0063GB</p>
76 (V)	Ground	Driver door antenna (-)	Output	When Intelligent Key is in the antenna detection area	<p style="text-align: right; font-size: small;">JMKIA0062GB</p>
				When the driver door request switch is operated with ignition switch OFF	<p style="text-align: right; font-size: small;">JMKIA0063GB</p>
77 (LG)	Ground	Driver door antenna (+)	Output	When Intelligent Key is in the antenna detection area	<p style="text-align: right; font-size: small;">JMKIA0062GB</p>
				When the driver door request switch is operated with ignition switch OFF	<p style="text-align: right; font-size: small;">JMKIA0063GB</p>

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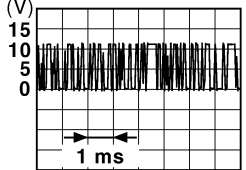
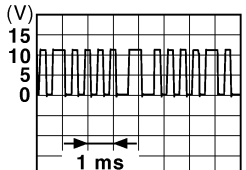
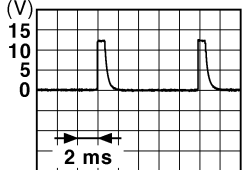
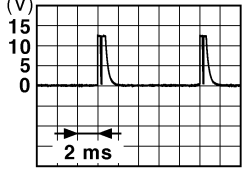
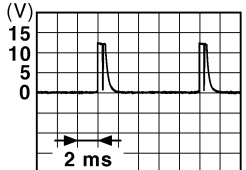

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition	Value (Approx.)
+	-	Signal name	Input/ Output		
78 (Y)	Ground	Room antenna 1 (-) (Instrument panel)	Output		
				Ignition switch ON	 <p style="text-align: right; font-size: small;">JMKIA0063GB</p>
79 (BR)	Ground	Room antenna 1 (+) (Instrument panel)	Output	Ignition switch OFF	 <p style="text-align: right; font-size: small;">JMKIA0062GB</p>
				Ignition switch ON	 <p style="text-align: right; font-size: small;">JMKIA0063GB</p>
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

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

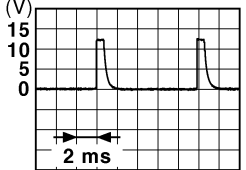
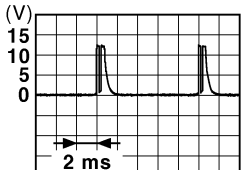

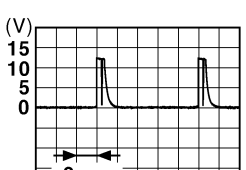
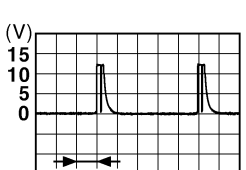
Terminal No. (Wire color)		Description		Condition	Value (Approx.)	
		Signal name	Input/ Output			
+	-					
83 (Y)	Ground	Remote keyless entry receiver communica- tion	Input/ Output	During waiting	 <p style="text-align: right; font-size: small;">JMKIA0064GB</p>	
				When operating either button on the key	 <p style="text-align: right; font-size: small;">JMKIA0065GB</p>	
87 (BR)	Ground	Combination switch INPUT 5	Input	Combination switch	All switches OFF (Wiper intermittent dial 4)	 <p style="text-align: right; font-size: small;">JPMIA0041GB</p> <p style="text-align: center;">1.4 V</p>
					Front fog lamp switch ON (Wiper intermittent dial 4)	 <p style="text-align: right; font-size: small;">JPMIA0037GB</p> <p style="text-align: center;">1.3 V</p>
					Rear wiper switch ON (Wiper intermittent dial 4)	 <p style="text-align: right; font-size: small;">JPMIA0039GB</p> <p style="text-align: center;">1.3 V</p>
					Any of the conditions below with all switches OFF <ul style="list-style-type: none"> • Wiper intermittent dial 1 • Wiper intermittent dial 2 • Wiper intermittent dial 6 • Wiper intermittent dial 7 	 <p style="text-align: right; font-size: small;">JPMIA0040GB</p> <p style="text-align: center;">1.3 V</p>

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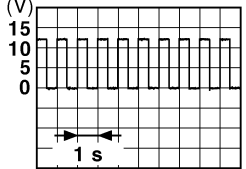
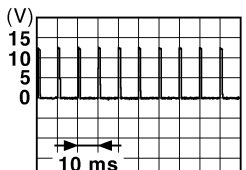
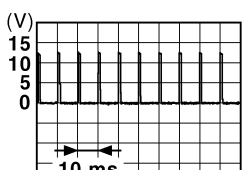
BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition	Value (Approx.)	
+	-	Signal name	Input/ Output			
88 (V)	Ground	Combination switch INPUT 3	Input	Combination switch	All switches OFF (Wiper intermittent dial 4)	 <p style="text-align: right;">JPMIA0041GB 1.4 V</p>
					Lighting switch HI (Wiper intermittent dial 4)	 <p style="text-align: right;">JPMIA0036GB 1.3 V</p>
					Lighting switch 2ND (Wiper intermittent dial 4)	 <p style="text-align: right;">JPMIA0037GB 1.3 V</p>
					Rear washer switch ON (Wiper intermittent dial 4)	 <p style="text-align: right;">JPMIA0039GB 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 style="text-align: right;">JPMIA0040GB 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 >

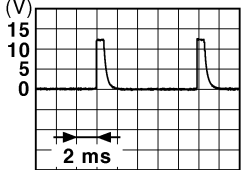

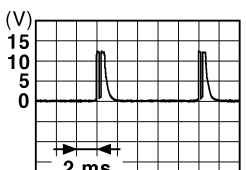
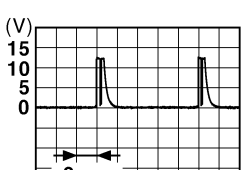
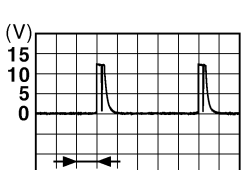
Terminal No. (Wire color)		Description		Condition	Value (Approx.)	
+	-	Signal name	Input/ Output			
92 (LG)	Ground	Key slot illumination	Output	Key slot illumination	OFF	Battery voltage
					Blinking	 6.5 V
93 (V)	Ground	ON indicator lamp	Output	Ignition switch	OFF or ACC	Battery voltage
					ON	0 V
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)	 1.0 V
101 (SB)	Ground	Driver door request switch	Input	Driver door request switch	ON (Pressed)	0 V
					OFF (Not pressed)	 1.0 V
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	

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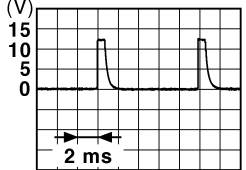
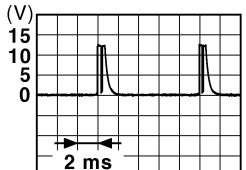

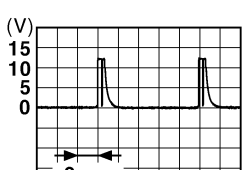

BCM (BODY CONTROL MODULE)

< 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 style="text-align: right;">JPMIA0041GB 1.4 V</p>
					Turn signal switch LH	 <p style="text-align: right;">JPMIA0037GB 1.3 V</p>
					Turn signal switch RH	 <p style="text-align: right;">JPMIA0036GB 1.3 V</p>
					Front wiper switch LO	 <p style="text-align: right;">JPMIA0038GB 1.3 V</p>
					Front washer switch ON	 <p style="text-align: right;">JPMIA0039GB 1.3 V</p>

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

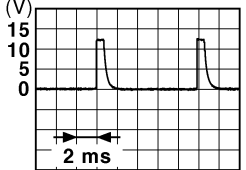

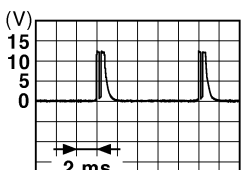
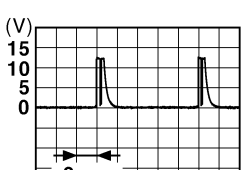
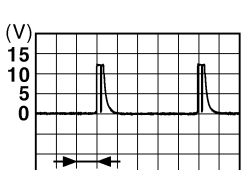
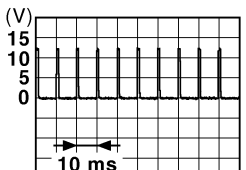
Terminal No. (Wire color)		Description		Condition	Value (Approx.)	
		Signal name	Input/ Output			
+	-					
108 (R)	Ground	Combination switch INPUT 4	Input	Combination switch	All switches OFF (Wiper intermittent dial 4)	 <p style="text-align: right;">1.4 V</p>
					Lighting switch AUTO (Wiper intermittent dial 4)	 <p style="text-align: right;">1.3 V</p>
					Lighting switch 1ST (Wiper intermittent dial 4)	 <p style="text-align: right;">1.3 V</p>
					Rear wiper switch INT (Wiper intermittent dial 4)	 <p style="text-align: right;">1.3 V</p>
					Any of the conditions below with all switches OFF	 <p style="text-align: right;">1.3 V</p>

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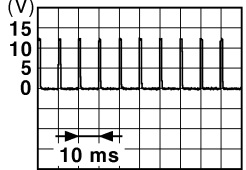
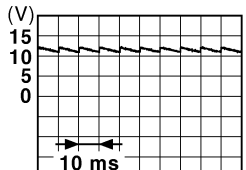
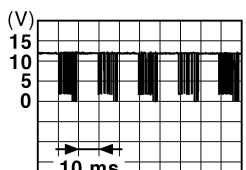
BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

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

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

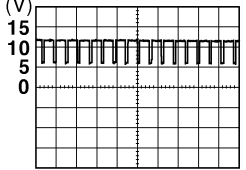
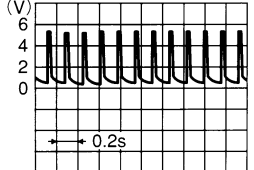

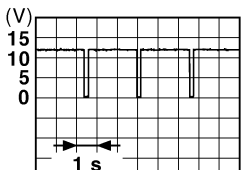
Terminal No. (Wire color)		Description		Condition		Value (Approx.)
		Signal name	Input/ Output			
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113 (P)	Ground	Optical sensor	Input	Ignition switch ON	When bright outside of the vehicle	Close to 5 V
					When dark outside of the vehicle	Close to 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)	 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)	 11.8 V
					ON (Door open)	0 V
132 (BR)	Ground	Power window switch communication	Input/ Output	Ignition switch ON	 10.2 V	
				Ignition switch OFF or ACC	Battery voltage	

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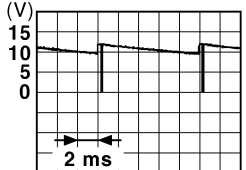
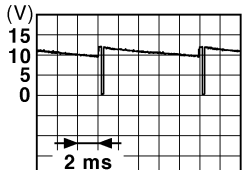
BCM (BODY CONTROL MODULE)

< 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 igni- tion switch illumi- nation	ON (Tail lamps OFF)	9.5 V
					ON (Tail lamps ON)	<p>NOTE: The pulse width of this wave is varied by the illumination bright- ening/dimming level.</p>  <p style="text-align: right; font-size: small;">JPMIA0159GB</p>
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	 <p style="text-align: right; font-size: small;">OCC3881D</p>
					When receiving the signal from the transmitter	 <p style="text-align: right; font-size: small;">OCC3880D</p>
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	 <p style="text-align: right; font-size: small;">JPMIA0014GB</p>
					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	Combination switch (Wiper intermit- tent dial 4)	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	Combination switch	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	
					• 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	Combination switch	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	
• Wiper intermittent dial 1 • Wiper intermittent dial 5 • Wiper intermittent dial 6						
145 (L)	Ground	Combination switch OUTPUT 3	Output	Combination switch (Wiper intermit- tent dial 4)	All switches OFF	0 V
					Front wiper switch INT	
					Front wiper switch LO	
					Lighting switch AUTO	

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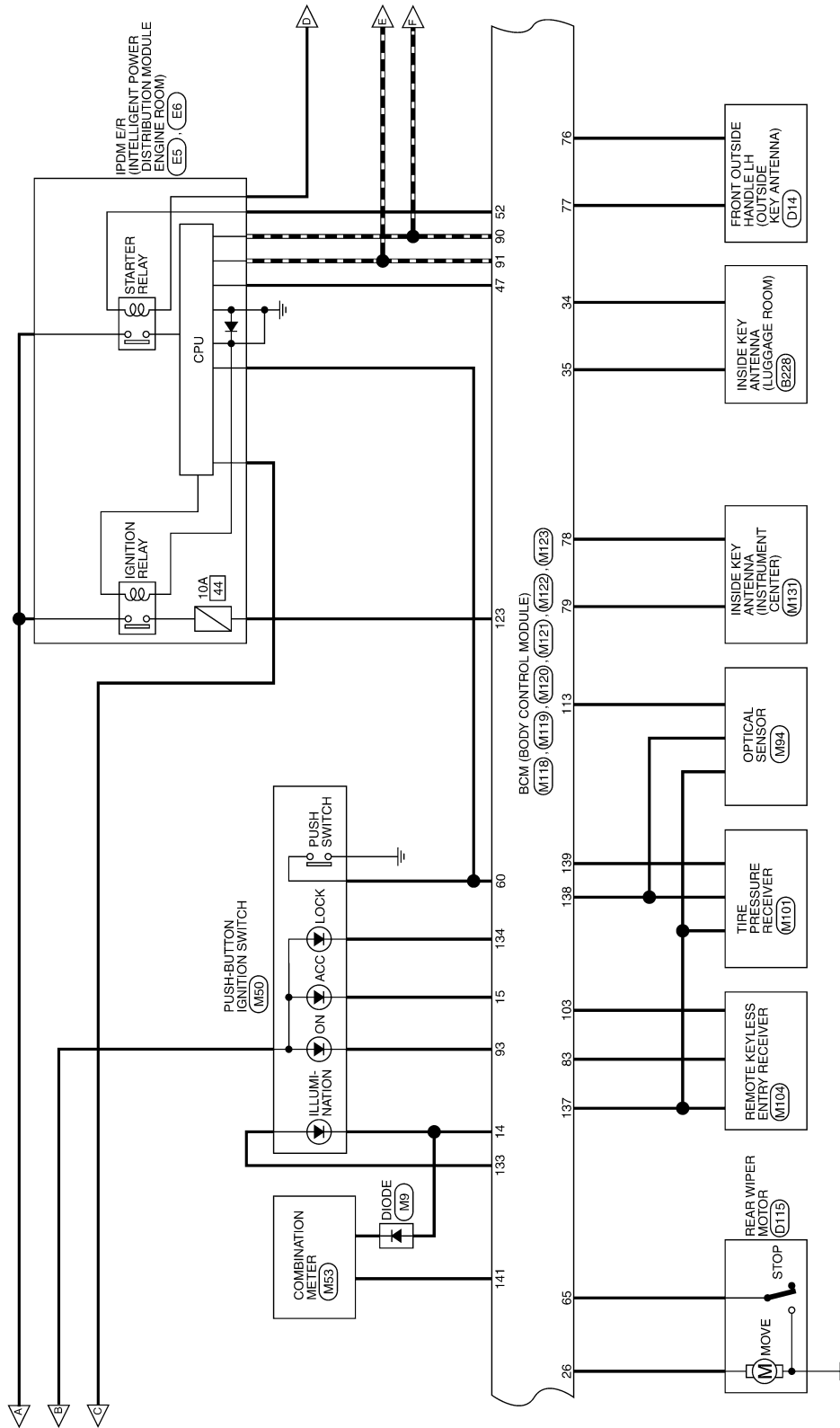
BCM (BODY CONTROL MODULE)

< 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 style="text-align: right; font-size: small;">JPMIA0035GB</p>
					Lighting switch 2ND	
					Lighting switch PASS	
					Turn signal switch LH	
150 (LG)	Ground	Driver door switch	Input	Driver door switch	OFF (Door close)	<p style="text-align: right; font-size: small;">JPMIA0011GB</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 >

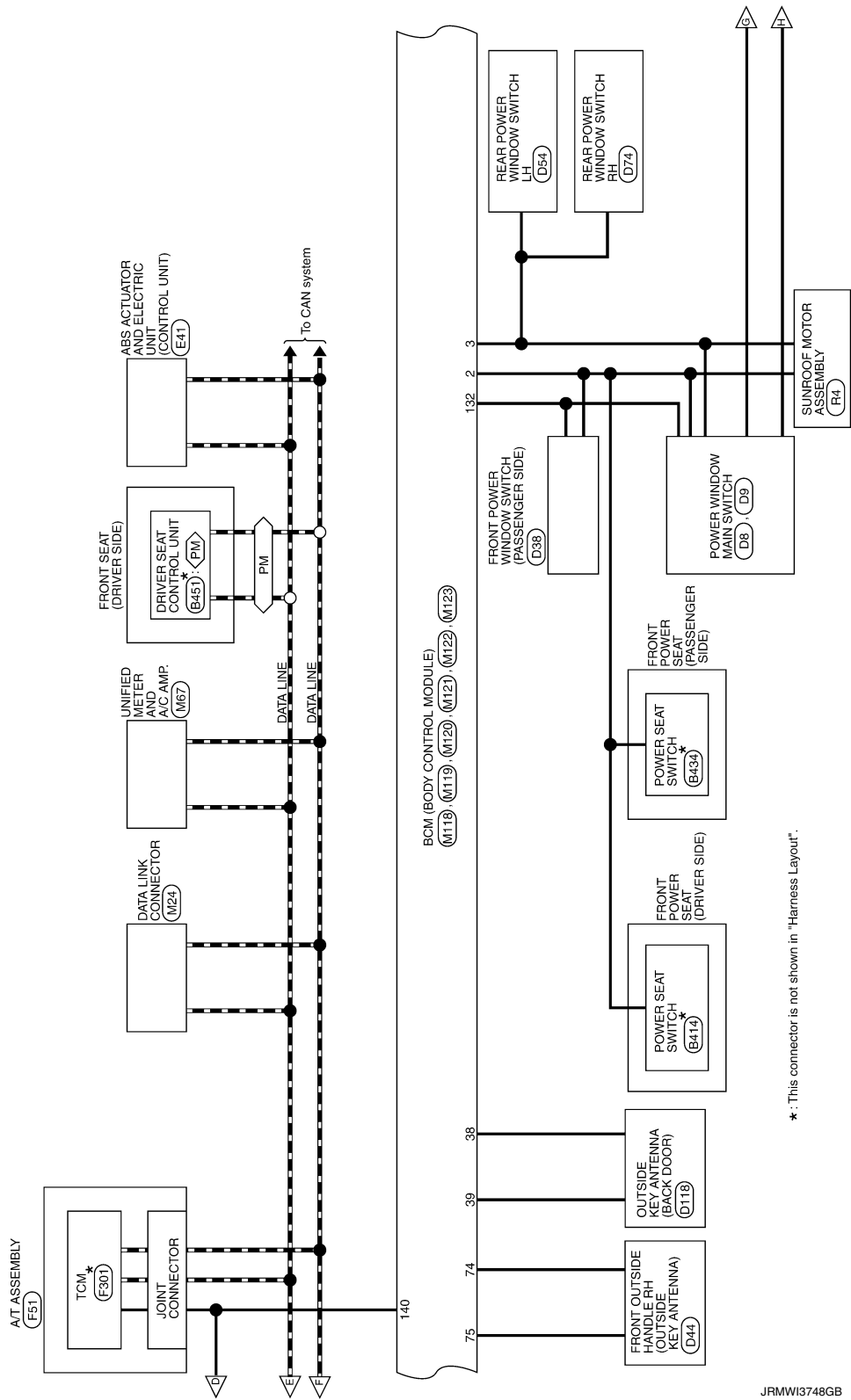


JRMW13747GB

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

◊(PM) : With automatic drive positioner

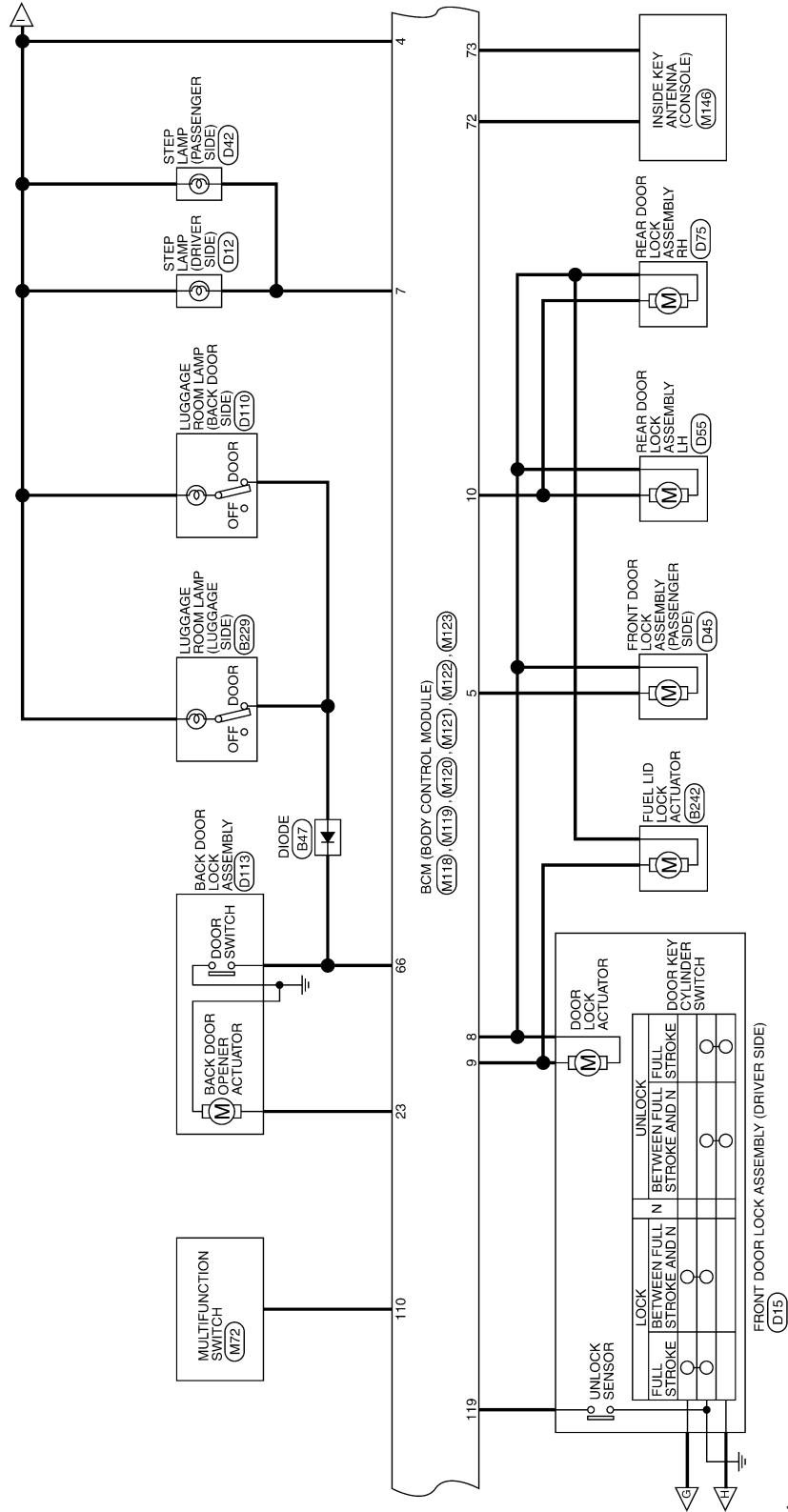


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BCM (BODY CONTROL MODULE)

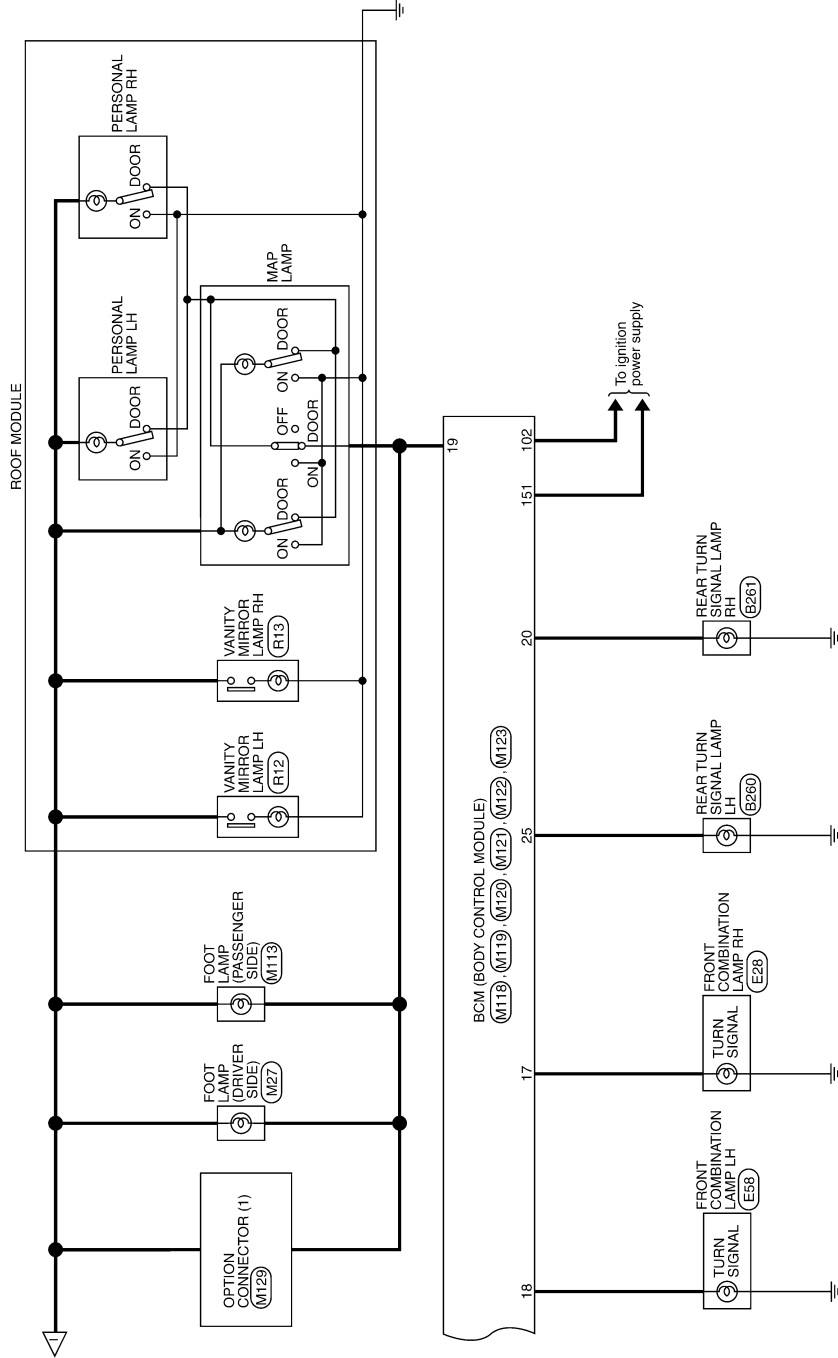
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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >



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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.	Color Of Wire	Signal Name [Specification]
2	V	-

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



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

Connector No.	B47
Connector Name	DIODE
Connector Type	Z133F_C9900



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

Connector No.	B21B
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



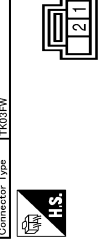
Terminal No.	Color Of Wire	Signal Name [Specification]
2	BR	-

Connector No.	B22B
Connector Name	INSIDE KEY ANTENNA (LUGGAGE ROOM)
Connector Type	RK02FCY



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

Connector No.	B229
Connector Name	LUGGAGE ROOM LAMP (LUGGAGE SIDE)
Connector Type	TR03FW



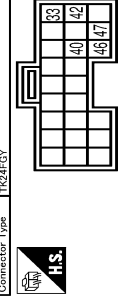
Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	-
2	L	-

Connector No.	B24Z
Connector Name	FUEL LID LOCK ACTUATOR
Connector Type	M04FW-LC



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

Connector No.	B249
Connector Name	BRAKE BOOSTER CONTROL UNIT
Connector Type	TR24FGY



Terminal No.	Color Of Wire	Signal Name [Specification]
33	BR	IGNITION
40	SB	IBA OFF SW
42	G	IGNITION
46	B	GROUND
47	V	BRAKE HOLD RLY DRIVE SIGNAL

JRMW13751GB

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

BCM (BODY CONTROL MODULE)

Connector No.	B260
Connector Name	REAR TURN SIGNAL LAMP LH
Connector Type	HS30ZFG-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	HS30ZFG-W



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

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



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.	B454
Connector Name	POWER SEAT SWITCH
Connector Type	NS10FW-CS



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	TH32HW



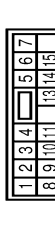
Terminal No.	Color Of Wire	Signal Name [Specification]
1	-	CAN-H
2	-	LIART (TX/RX)
3	-	-
4	-	PULSE (RECLINER)
5	-	PULSE (TELESCOPI)
6	-	ADDRESS 2
7	-	IND 2
8	-	SLIDE SW (BACKWARD)
9	-	RECLINER SW (BACKWARD)
10	-	FRONT LIFTER SW (DOWNWARD)
11	-	REAR LIFTER SW (DOWNWARD)
12	-	POWER SUPPLY (ENCODER)
13	-	PULSE (LIFT)
14	-	PULSE (REAR LIFTER)
15	-	PULSE (REAR LIFTER)
16	-	PULSE (LIFT)
17	-	PULSE (LIFT)
18	-	PULSE (LIFT)
19	-	PULSE (LIFT)
20	-	PULSE (LIFT)
21	-	PULSE (LIFT)
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.	B3
Connector Name	DOOR MIRROR (DRIVER SIDE)
Connector Type	TH24MW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	V	-
2	O	-
3	BR	COMP+
4	P	COMP+
5	P	COMP+
6	SB	ON
7	W	-
10	G	-
11	P	-
12	O	-
14	LG	-
17	SHIELD	COMP-
18	LG	GROUND
19	B	-
20	GR	-
22	BR	-
23	V	-
24	V	-

Connector No.	B8
Connector Name	POWER WINDOW MAIN SWITCH
Connector Type	NS18FW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	REAR POWER WINDOW MOTOR LH UP SIGNAL
2	BR	ENCODER GROUND
3	GR	REAR POWER WINDOW MOTOR LH DOWN SIGNAL

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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

BCM (BODY CONTROL MODULE)

4	V	DOOR KEY CYLINDER SWITCH LH LOCK SIGNAL
5	O	REAR POWER WINDOW MOTOR RH/DOWN SIGNAL
6	Y	DOOR KEY CYLINDER SWITCH LH UNLOCK SIGNAL
7	BR	REAR POWER WINDOW MOTOR RH UP SIGNAL
8	L	FRONT POWER WINDOW MOTOR (DRIVER SIDE) UP SIGNAL
9	O	ENCODER PULSE 2
10	Y	RETAINED POWER SIGNAL
11	G	FRONT POWER WINDOW MOTOR (DRIVER SIDE) DOWN SIGNAL
13	P	ENCODER PULSE 1
14	V	POWER WINDOW SERIAL LINK
15	B	ENCODER POWER SUPPLY

Connector No.	D9
Connector Name	POWER WINDOW MAIN SWITCH
Connector Type	NS303FW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
17	B	GROUND
19	W	BATTERY POWER SUPPLY

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



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

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



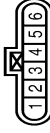
Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	B	-

Connector No.	D14
Connector Name	FRONT OUTSIDE HANDLE LH (OUTSIDE KEY ANTENNA)
Connector Type	RK02MEY



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

Connector No.	D15
Connector Name	FRONT DOOR LOCK ASSEMBLY (DRIVER SIDE)
Connector Type	ED0FGY-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	NS16FY-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
3	L	ENCODER GROUND
4	O	ENCODER POWER SUPPLY
8	W	POWER WINDOW MOTOR UP SIGNAL
9	G	POWER WINDOW MOTOR DOWN SIGNAL
10	W	BATTERY SUPPLY
11	B	GROUND
12	R	ENCODER PULSE 1
15	O	ENCODER PULSE 2
16	V	POWER WINDOW SERIAL LINK

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



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

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



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

JRMW13753GB

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	RK02ZMGY



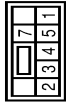
Terminal No.	Color Of Wire	Signal Name [Specification]
1	P	-
2	V	-

Connector No.	D45
Connector Name	FRONT DOOR LOCK ASSEMBLY PASSENGER SIDE
Connector Type	EB6FGY-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	NS02FW-CS



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

Connector No.	D55
Connector Name	REAR DOOR LOCK ASSEMBLY LH
Connector Type	EB6FGY-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	NS02FW-CS



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

Connector No.	D75
Connector Name	REAR DOOR LOCK ASSEMBLY RH
Connector Type	EB6FGY-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	TK03FW



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	Y	-
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	T102ZMR-P



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

Connector No.	D115
Connector Name	REAR WIPER MOTOR
Connector Type	CJ04FW-1V



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	T102ZMR-P



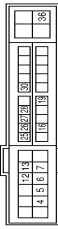
Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	B	-

Connector No.	D118
Connector Name	OUTSIDE KEY ANTENNA (BACK DOOR)
Connector Type	IRK02FGY



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

Connector No.	E5
Connector Name	IPM F/R INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	T120FW-C51Z-M-1V



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

Connector No.	E6
Connector Name	IPM F/R INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	T100PW-NH



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

Connector No.	-
Connector Name	-
Connector Type	-



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

Connector No.	E41
Connector Name	ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)
Connector Type	BAA42FB-AH24-LH



Terminal No.	Color Of Wire	Signal Name [Specification]
2	B	GROUND
3	G	UBV2
4	R	UBV1
5	Y	DS FL
6	BG	DP FL
7	BR	DP FR
9	B	DP FR
10	W	DS FR
12	L	VAC

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

BCM (BODY CONTROL MODULE)

14	P	CON-L
15	SHIELD	GROUND
18	P	LIST
25	Y	BUS-L
26	LG	DP FL
27	GR	DS RL
28	G	LZ
29	LG	DS RR
30	SB	BLS
31	R	VDC OFF SW
33	L	CAN-H
43	B	BUS-H

Connector No.	E50
Connector Name	IGC BRAKE HOLD RELAY
Connector Type	M08FGY-R-JS



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

Connector No.	E57
Connector Name	INTELLIGENT KEY WARNING BUZZER (ENGINE ROOM)
Connector Type	RM03FBR



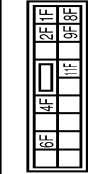
Terminal No.	Color Of Wire	Signal Name [Specification]
1	X	-
3	V	-

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



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

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



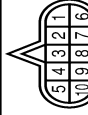
Terminal No.	Color Of Wire	Signal Name [Specification]
11F	W	-
1F	SB	-
2F	W	-
4F	G	-
6F	BR	-
8F	L	-
9F	R	-

Connector No.	E110
Connector Name	STOP LAMP SWITCH
Connector Type	M04FW-LG



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

Connector No.	E51
Connector Name	A/T ASSEMBLY
Connector Type	FK10FC-D5Y



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.	E301
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

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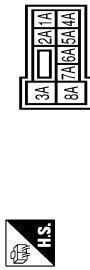
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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

BCM (BODY CONTROL MODULE)

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



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

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



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

Connector No.	M9
Connector Name	DIODE
Connector Type	2435 CB960



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 BAT
6	LG	ILL
7	B	GROUND
11	BR	KEY SWITCH SIGNAL

Connector No.	M24
Connector Name	DATA LINK CONNECTOR
Connector Type	ED10FW



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

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



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

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

BCM (BODY CONTROL MODULE)

Connector No.	M53
Connector Name	PUSH-BUTTON IGNITION SWITCH
Connector Type	TK08FBR



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



Connector No.	M53
Connector Name	COMBINATION METER
Connector Type	TH46FPN-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)
4	B	ALTERNATOR SIGNAL
5	B	AIR BAG SIGNAL
6	B	SECURITY SIGNAL
7	BR	GROUND
8	B	METER CONTROL SWITCH GROUND
9	B	ILL GND
10	G	ILL
11	B	IGNITION SIGNAL
12	R	-
13	EG	-
14	BG	-
15	BG	-
16	BG	-
17	BG	-
18	BG	-
19	BG	-
20	R	-
21	EG	ECV SIGNAL

Terminal No.	Color Of Wire	Signal Name [Specification]
22	B	GROUND
23	BR	COMMUNICATION SIGNAL (GDP->AMP)
24	Y	COMMUNICATION SIGNAL (AMP->LCD)
25	Y	VEHICLE SPEED SIGNAL (B-FULSE)
26	R	PARKING BRAKE SWITCH SIGNAL
27	V	VEHICLE SPEED SIGNAL (B-FULSE)
28	W	VEHICLE SPEED SIGNAL (B-FULSE)
29	SB	SEAT BELT BRUCKLE SWITCH SIGNAL (DRIVER SIDE)
30	G	SEAT BELT BRUCKLE SWITCH SIGNAL (PASSENGER SIDE)
31	L	WASHER LEVEL SWITCH SIGNAL
32	B	ILLUMINATION CONTROL SIGNAL
33	B	ILLUMINATION CONTROL SIGNAL
34	LG	SELECT SWITCH SIGNAL
35	SB	ENTER SWITCH SIGNAL
36	L	TRIP X10 RESET SWITCH SIGNAL
37	B	ILLUMINATION CONTROL SWITCH SIGNAL (C)
38	B	ILLUMINATION CONTROL SWITCH SIGNAL (C)
39	B	ILLUMINATION CONTROL SWITCH SIGNAL (C)
40	BG	ILLUMINATION CONTROL SWITCH SIGNAL (C)

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

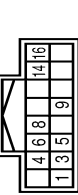


Terminal No.	Color Of Wire	Signal Name [Specification]
41	V	ACC POWER SUPPLY
42	Y	FUEL LEVEL SENSOR SIGNAL
43	R	INTAKE SENSOR SIGNAL
44	LG	IN-VEHICLE SENSOR SIGNAL
45	P	AMBIENT SENSOR SIGNAL
46	BG	SUNLOAD SENSOR SIGNAL
47	G	IGNITION POWER SUPPLY
48	G	IGNITION POWER SUPPLY
49	Y	BATTERY POWER SUPPLY
50	B	GROUND
51	W	GROUND
52	W	BRAKE FLUID LEVEL SWITCH SIGNAL
53	W	FUEL LEVEL SENSOR GROUND
54	GR	INTAKE SENSOR GROUND
55	L	IN-VEHICLE SENSOR GROUND
56	BR	AMBIENT SENSOR GROUND
57	BR	AMBIENT SENSOR GROUND
58	BR	AMBIENT SENSOR GROUND
59	BR	AMBIENT SENSOR GROUND
60	BR	AMBIENT SENSOR GROUND
61	BR	AMBIENT SENSOR GROUND
62	SB	SUNLOAD SENSOR GROUND
63	R	-
64	R	-
65	BG	ECV SIGNAL

6B	L	A/C CLAN SIGNAL
70	R	EACH DOOR MOTOR POWER SUPPLY
71	B	GROUND
72	P	CAN-L



Connector No.	M101
Connector Name	TIRE PRESSURE RECEIVER
Connector Type	TK04FW



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



Connector No.	M104
Connector Name	REMOTE KEYLESS ENTRY RECEIVER
Connector Type	JAB04FB



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

Connector No.	M101
Connector Name	TIRE PRESSURE RECEIVER
Connector Type	TK04FW



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	GROUND
2	EG	SIGNAL
3	Y	SIGNAL
4	Y	BATTERY

Connector No.	M104
Connector Name	REMOTE KEYLESS ENTRY RECEIVER
Connector Type	JAB04FB



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

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BCM (BODY CONTROL MODULE)

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BCM (BODY CONTROL MODULE)

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



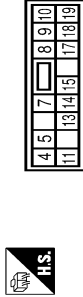
Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	BR	-

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



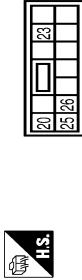
Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	BAT (F/L)
2	W	POWER WINDOW POWER SUPPLY(BAT)
3	Y	POWER WINDOW POWER SUPPLY(TRAP)

Connector No.	M119
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	NS12FW-CS



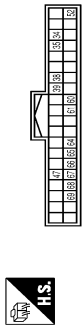
Terminal No.	Color Of Wire	Signal Name [Specification]
4	LG	INTERIOR ROOM LAMP POWER SUPPLY
5	SB	PASSENGER DOOR UNLOCK OUTPUT
7	Y	STEP LAMP CONT
8	V	ALL DOOR FUEL LID LOCK OUTPUT
9	G	DRIVER DOOR FUEL LID UNLOCK OUTPUT
10	BR	REAR DOOR UNLOCK OUTPUT
11	R	BAT (FUSE)
13	B	GROUND
14	W	PUSH-BUTTON IGNITION 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



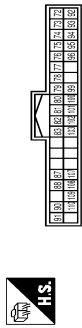
Terminal No.	Color Of Wire	Signal Name [Specification]
20	V	TURN SIGNAL RH (REAR)
23	G	BACK DOOR OPEN OUTPUT
25	G	TURN SIGNAL LH (REAR)
26	G	REAR WIPER OUTPUT

Connector No.	M121
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FCY-NH



Terminal No.	Color Of 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 F/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	BACK DOOR SW
66	R	BACK DOOR SW
67	GR	BACK DOOR SW
68	BR	REAR LH DOOR SW
69	R	REAR LH DOOR SW

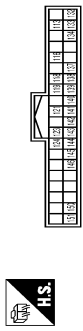
Connector No.	M122
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40PE-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
72	R	ROOM ANT2 -
73	G	ROOM ANT2 +
74	SB	PASSENGER DOOR ANT-
75	GR	PASSENGER DOOR ANT+
76	V	DRIVER DOOR ANT-
77	LG	DRIVER DOOR ANT+

78	Y	ROOM ANT1-
79	BR	ROOM ANT1+
80	GR	MATS ANT AMP.
81	W	MATS ANT AMP.
82	R	IGN RELAY (F/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	IGN IND
94	Y	PLUG LOCK CONT
95	BG	ACC RELAY CONT
96	GR	A.T SHIFT SELECTOR POWER SUPPLY
89	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 4
109	Y	COMBI SW INPUT 2
110	G	HAZARD SW

Connector No.	M123
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FC-NH



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

BCM (BODY CONTROL MODULE)

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BCM (BODY CONTROL MODULE)

137	BG	RECEIVER SENSOR GND
138	Y	RECEIVER SENSOR POWER SUPPLY
139	L	TIRE PRESSURE RECEIVER COMM
140	GR	SHIFT N/P
141	G	SECURITY IND LAMP GNDT
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 DEFOGGER RELAY CONT

Connector No.	M129
Connector Name	OPTION CONNECTOR (1)
Connector Type	TH408MW-NH



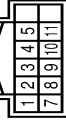
Terminal No.	Color Of Wire	Signal Name [Specification]
3	G	-
6	R	-

Connector No.	M131
Connector Name	INSIDE KEY ANTENNA INSTRUMENT CENTER
Connector Type	RK02FGY



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



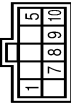
Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	V	-
3	L	-
4	B	-
5	G	-
7	R	-
8	SB	-
9	B	-
10	GR	-
11	R	-

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



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

Connector No.	R4
Connector Name	SUNROOF MOTOR ASSEMBLY
Connector Type	YEA10FGY



Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	SUNROOF CLOSE SWITCH (BITD) SIGNAL
5	P	SUNROOF OPEN SWITCH (BITD) SIGNAL
7	BR	SUNROOF POWER SUPPLY
8	L	VEHICLE SPEED SENSOR (2PULSE)
9	Y	RAP SIGNAL
10	G	GROUND

Connector No.	RI2
Connector Name	VANITY MIRROR LAMP LH
Connector Type	MC2A02FW



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

Connector No.	RI2
Connector Name	VANITY MIRROR LAMP RH
Connector Type	MC2A02FW



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.

JRMWI3760GB

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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:000000012821271

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	
	• B2557: VEHICLE SPEED	B
	• B2560: STARTER CONT RELAY	
	• B2601: SHIFT POSITION	
	• B2602: SHIFT POSITION	
	• B2603: SHIFT POSI STATUS	C
	• B2604: PNP SW	
	• B2605: PNP SW	
	• B2608: STARTER RELAY	
	• B260A: IGNITION RELAY	D
	• B260F: ENG STATE SIG LOST	
	• B2614: ACC RELAY CIRC	
	• B2615: BLOWER RELAY CIRC	
	• B2616: IGN RELAY CIRC	E
	• 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	
	• C1710: [NO DATA] RR	I
	• C1711: [NO DATA] RL	
	• C1716: [PRESSDATA ERR] FL	
	• C1717: [PRESSDATA ERR] FR	
	• C1718: [PRESSDATA ERR] RR	J
	• C1719: [PRESSDATA ERR] RL	
	• C1734: CONTROL UNIT	
6	• B2621: INSIDE ANTENNA	K
	• B2622: INSIDE ANTENNA	
	• B2623: INSIDE ANTENNA	

DTC Index

INFOID:0000000012821272

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-18. "COMMON ITEM : CONSULT Function \(BCM - COMMON ITEM\)"](#).

CONSULT display	Fail-safe	Freeze Frame Data •Vehicle Speed •Odo/Trip Meter •Vehicle Condition	Intelligent Key warning lamp ON	Tire pressure monitor warning lamp ON	Reference
No DTC is detected. Further testing may be required.	—	—	—	—	—
U1000: CAN COMM CIRCUIT	—	—	—	—	BCS-41
U1010: CONTROL UNIT (CAN)	—	—	—	—	BCS-42
U0415: VEHICLE SPEED SIG	—	—	—	—	BCS-43
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
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-52
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-44
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-54
B260F: ENG STATE SIG LOST	×	×	×	—	SEC-68
B2614: ACC RELAY CIRC	—	×	×	—	PCS-56
B2615: BLOWER RELAY CIRC	—	×	×	—	PCS-59
B2616: IGN RELAY CIRC	—	×	×	—	PCS-62
B2617: STARTER RELAY CIRC	×	×	×	—	SEC-71
B2618: BCM	×	×	×	—	PCS-65
B261A: PUSH-BTN IGN SW	—	×	×	—	SEC-73
B261E: VEHICLE TYPE	×	×	× (Turn ON for 15 seconds)	—	SEC-76
B2621: INSIDE ANTENNA	—	×	—	—	DLK-58
B2622: INSIDE ANTENNA	—	×	—	—	DLK-60
B2623: INSIDE ANTENNA	—	×	—	—	DLK-62
B26E1: ENG STATE NO RES	×	×	×	—	SEC-69
B26EA: KEY REGISTRATION	—	×	× (Turn ON for 15 seconds)	—	SEC-70
C1704: LOW PRESSURE FL	—	—	—	×	WT-25
C1705: LOW PRESSURE FR	—	—	—	×	
C1706: LOW PRESSURE RR	—	—	—	×	
C1707: LOW PRESSURE RL	—	—	—	×	
C1708: [NO DATA] FL	—	—	—	×	WT-27
C1709: [NO DATA] FR	—	—	—	×	
C1710: [NO DATA] RR	—	—	—	×	
C1711: [NO DATA] RL	—	—	—	×	

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
C1716: [PRESSDATA ERR] FL	—	—	—	×	WT-30
C1717: [PRESSDATA ERR] FR	—	—	—	×	
C1718: [PRESSDATA ERR] RR	—	—	—	×	
C1719: [PRESSDATA ERR] RL	—	—	—	×	
C1729: VHCL SPEED SIG ERR	—	—	—	×	WT-32
C1734: CONTROL UNIT	—	—	—	×	WT-34

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INTERIOR LIGHTING SYSTEM SYMPTOMS

< SYMPTOM DIAGNOSIS >

SYMPTOM DIAGNOSIS

INTERIOR LIGHTING SYSTEM SYMPTOMS

Symptom Table

INFOID:000000012167364

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	<ul style="list-style-type: none"> • Harness between BCM and each interior room lamp • BCM 	Interior room lamp power supply circuit Refer to INL-21 .
<ul style="list-style-type: none"> • Interior room lamp does not turn ON even though the door is open. (It turns ON when turning the interior room lamp ON.) • Interior room lamp does not turn OFF even though the door is closed. 	<ul style="list-style-type: none"> • Harness between BCM and each door switch • Harness between BCM and each interior room lamp • BCM 	Door switch circuit Refer to DLK-65 . <hr/> Interior room lamp control circuit Refer to INL-23 .
<ul style="list-style-type: none"> • Puddle lamp does not turn ON even though the door is open. • Puddle lamp does not turn OFF even though the door is closed. 	<ul style="list-style-type: none"> • Harness between BCM and each door switch • Harness between BCM and puddle lamp • BCM 	Door switch circuit Refer to DLK-65 . <hr/> 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.) <hr/> Step lamps (driver side and passenger side) do not turn OFF. (The map lamp and the personal lamp turn OFF.)	<ul style="list-style-type: none"> • Harness between BCM and each step lamp • BCM 	Step lamp circuit Refer to INL-25 .
Push-button ignition switch illumination does not illuminate.	<ul style="list-style-type: none"> • Harness between BCM and push-button ignition switch • BCM 	Push-button ignition switch illumination circuit Refer to INL-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:000000012167365

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, it is recommended that all maintenance and repair be performed by an authorized NISSAN/INFINITI dealer.
- Improper repair, 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 or batteries, and wait at least 3 minutes before performing any service.

Precautions For Xenon Headlamp Service

INFOID:000000012167366

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 for Removing Battery Terminal

INFOID:000000012762380

When disconnecting the battery terminal, pay attention to the following.

- Always use a 12V battery as power source.

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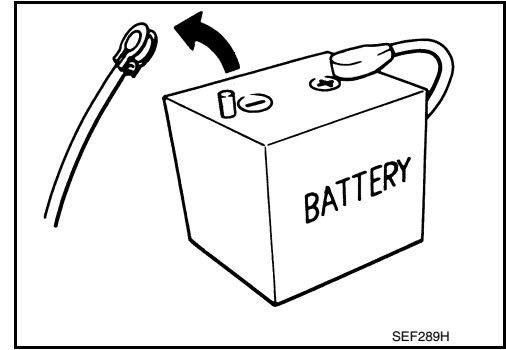
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PRECAUTIONS

< PRECAUTION >

- Never disconnect battery terminal while engine is running.
- When removing the 12V battery terminal, turn OFF the ignition switch and wait at least 30 seconds.
- For vehicles with the engine listed below, remove the battery terminal after a lapse of the specified time:

BR08DE	: 4 minutes	YD25DDTi	: 2 minutes
D4D engine	: 20 minutes	YS23DDT	: 4 minutes
HRA2DDT	: 12 minutes	YS23DDTT	: 4 minutes
K9K engine	: 4 minutes	ZD30DDTi	: 60 seconds
M9R engine	: 4 minutes	ZD30DDTT	: 60 seconds
R9M engine	: 4 minutes		
V9X engine	: 4 minutes		



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.

- After high-load driving, if the vehicle is equipped with the V9X engine, turn the ignition switch OFF and wait for at least 15 minutes to remove the battery terminal.

NOTE:

- Turbocharger cooling pump may operate in a few minutes after the ignition switch is turned OFF.
- Example of high-load driving
 - Driving for 30 minutes or more at 140 km/h (86 MPH) or more.
 - Driving for 30 minutes or more on a steep slope.
- For vehicles with the 2-batteries, be sure to connect the main battery and the sub battery before turning ON the ignition switch.

NOTE:

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

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

NOTE:

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

MAP LAMP

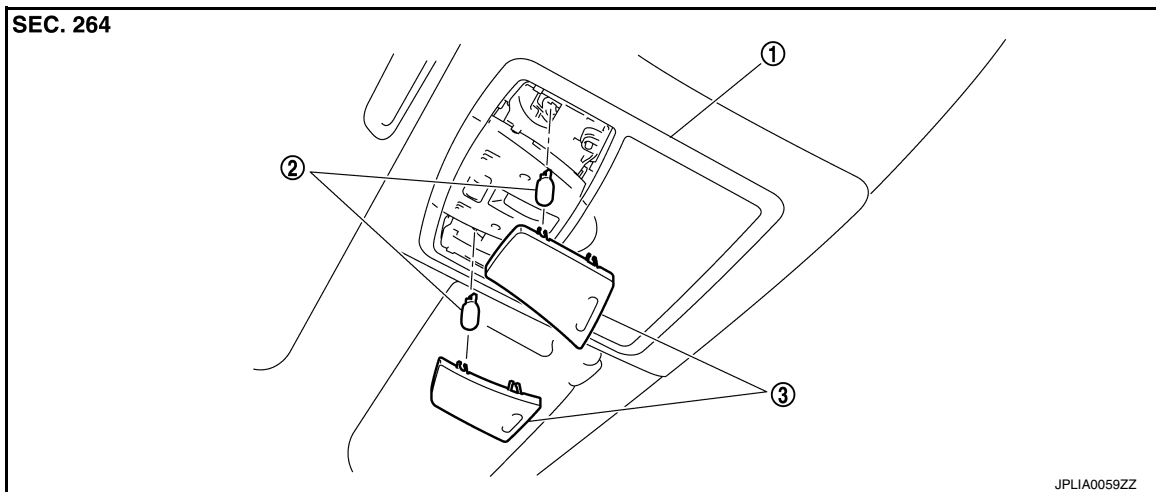
< REMOVAL AND INSTALLATION >

REMOVAL AND INSTALLATION

MAP LAMP

Exploded View

INFOID:0000000012167368



1. Map lamp assembly

2. Bulb

3. Lens

Removal and Installation

INFOID:0000000012167369

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

Replacement

INFOID:0000000012167370

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.

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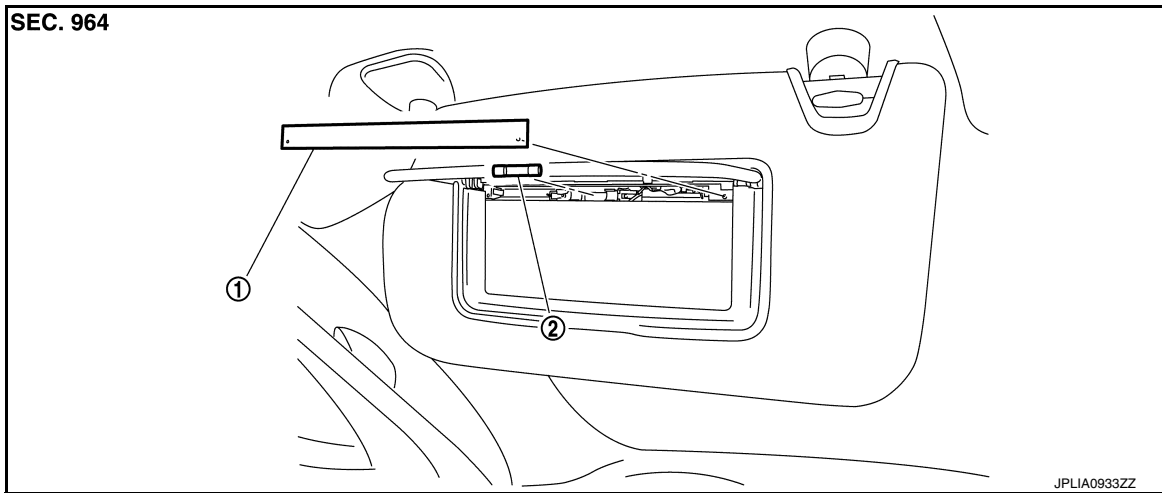
VANITY MIRROR LAMP

< REMOVAL AND INSTALLATION >

VANITY MIRROR LAMP

Exploded View

INFOID:000000012167371



1. Lens

2. Bulb

Replacement

INFOID:000000012167372

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.

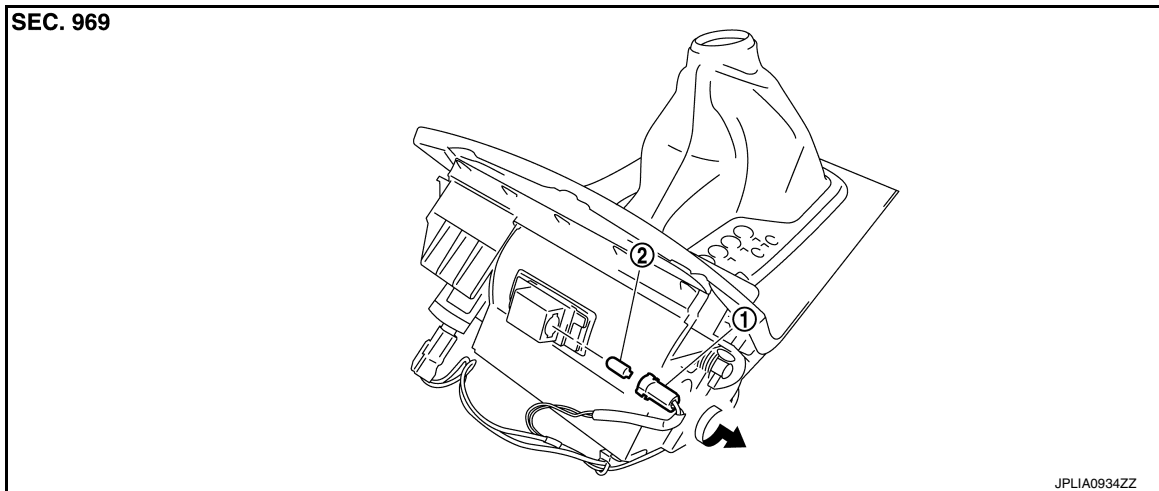
CIGARETTE LIGHTER ILLUMINATION

< REMOVAL AND INSTALLATION >

CIGARETTE LIGHTER ILLUMINATION

Exploded View

INFOID:000000012167373



1. Bulb socket

2. Bulb

Replacement

INFOID:000000012167374

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.

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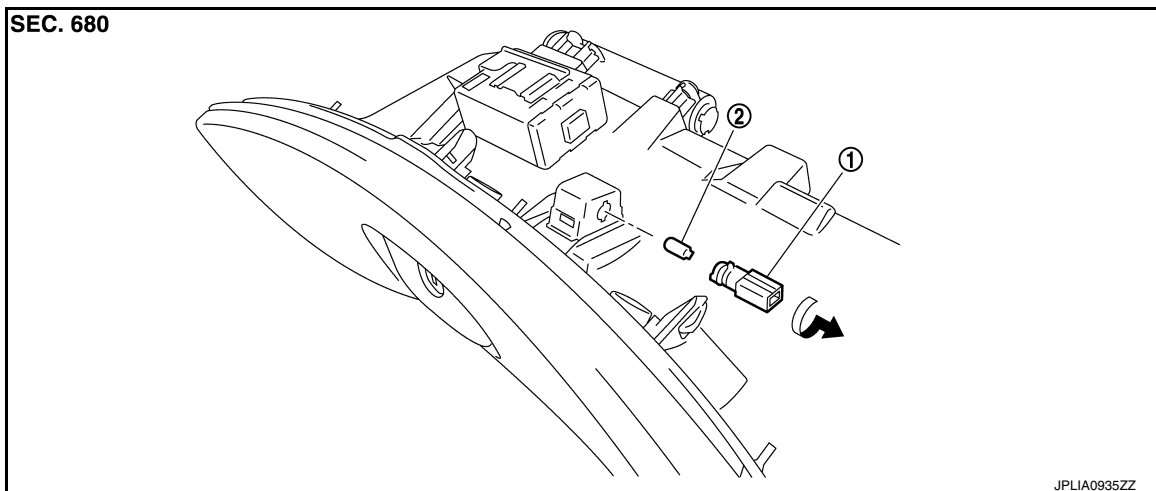
GLOVE BOX LAMP

< REMOVAL AND INSTALLATION >

GLOVE BOX LAMP

Exploded View

INFOID:000000012167375



1. Bulb socket

2. Bulb

Replacement

INFOID:000000012167376

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

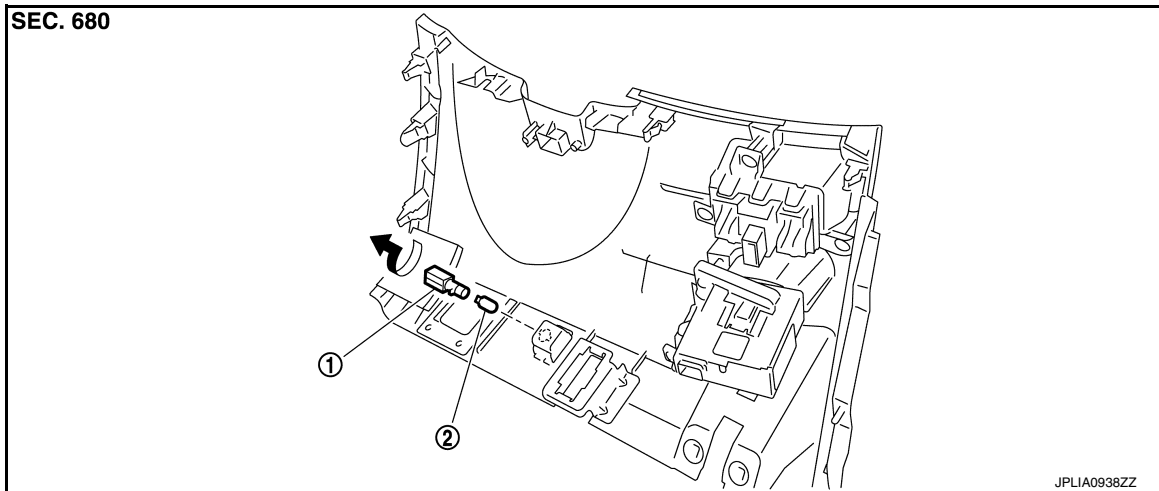
< REMOVAL AND INSTALLATION >

FOOT LAMP

DRIVER SIDE

DRIVER SIDE : Exploded View

INFOID:000000012167377



1. Bulb socket

2. Bulb

DRIVER SIDE : Replacement

INFOID:000000012167378

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.

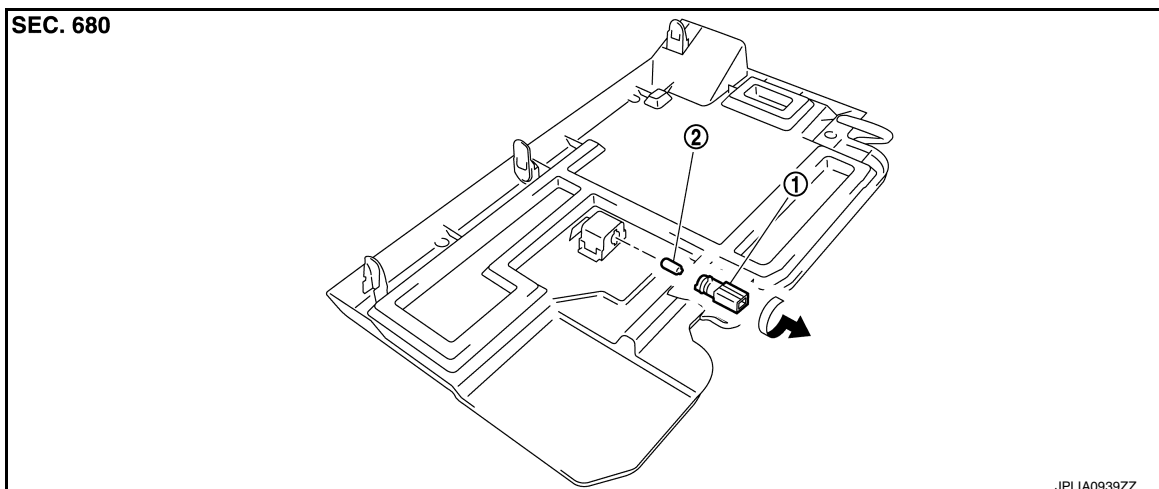
FOOT LAMP BULB (DRIVER SIDE)

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

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FOOT LAMP

< REMOVAL AND INSTALLATION >

1. Bulb socket
2. Bulb

PASSENGER SIDE : Replacement

INFOID:000000012167380

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.

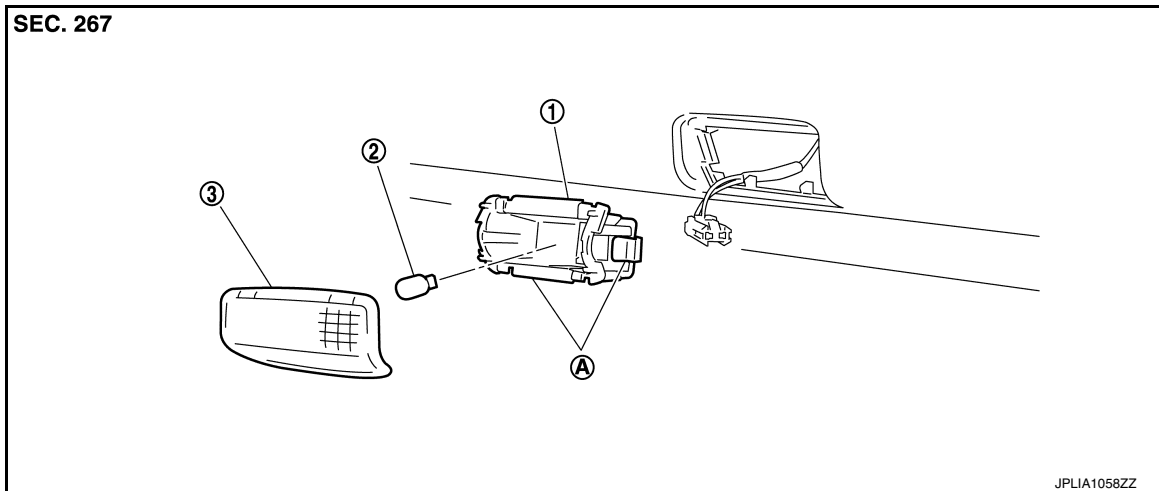
STEP LAMP

< REMOVAL AND INSTALLATION >

STEP LAMP

Exploded View

INFOID:000000012167381



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

Removal and Installation

INFOID:000000012167382

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:000000012167383

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.

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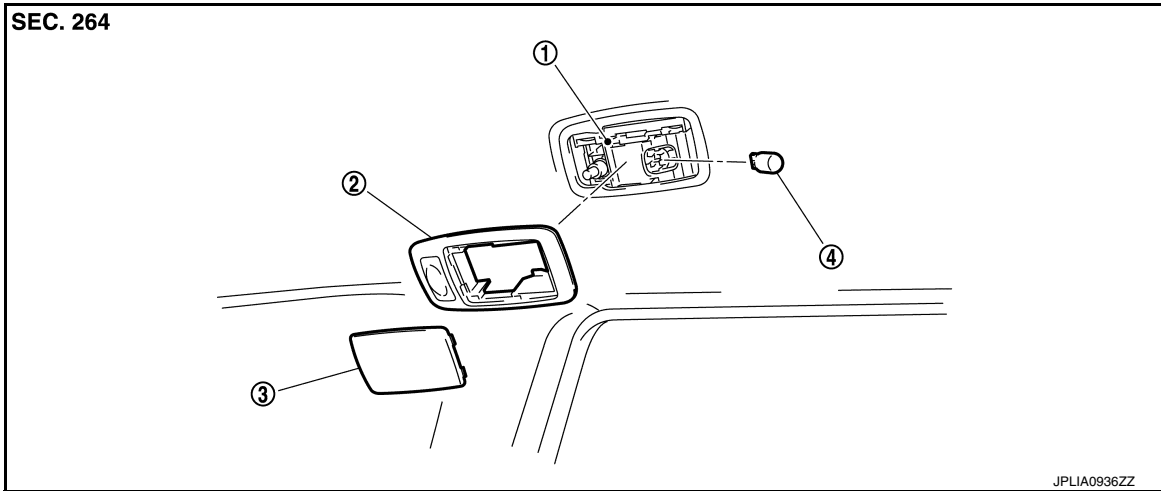
PERSONAL LAMP

< REMOVAL AND INSTALLATION >

PERSONAL LAMP

Exploded View

INFOID:000000012167384



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, "Exploded View"](#).

Removal and Installation

INFOID:000000012167385

CAUTION:

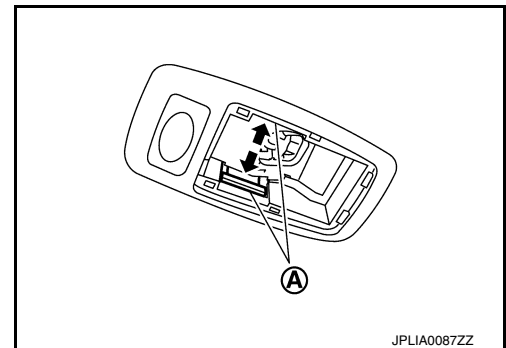
Disconnect the battery negative terminal or remove the fuse.

REMOVAL

1. Remove the headlining assembly. Refer to [INT-30, "Removal and Installation"](#).
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.

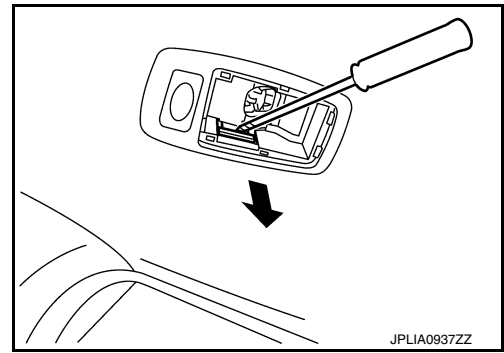
NOTE:

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:000000012167386

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.

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PUDDLE LAMP

< REMOVAL AND INSTALLATION >

PUDDLE LAMP

Exploded View

INFOID:000000012167387

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

- With ADP. Refer to [MIR-126, "Exploded View"](#).
- Without ADP. Refer to [MIR-156, "Exploded View"](#).

LUGGAGE ROOM LAMP

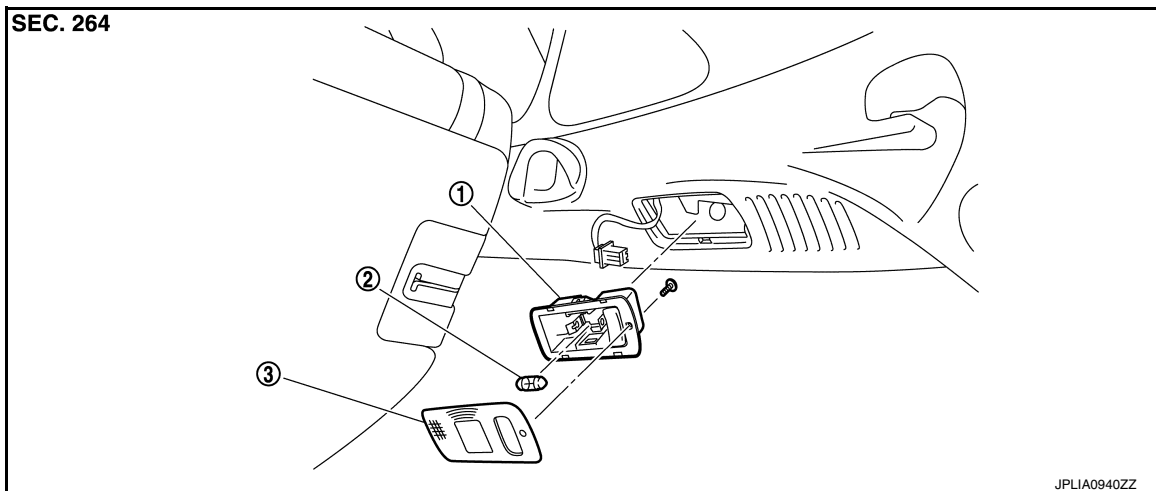
< REMOVAL AND INSTALLATION >

LUGGAGE ROOM LAMP

LUGGAGE SIDE

LUGGAGE SIDE : Exploded View

INFOID:000000012167388



1. Luggage room lamp (luggage side) housing
2. Bulb
3. Lens

LUGGAGE SIDE : Removal and Installation

INFOID:000000012167389

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:000000012167390

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-115, "LUGGAGE SIDE : Exploded View"](#).
2. Remove the screw. And then remove the lens.
3. Remove the bulb.

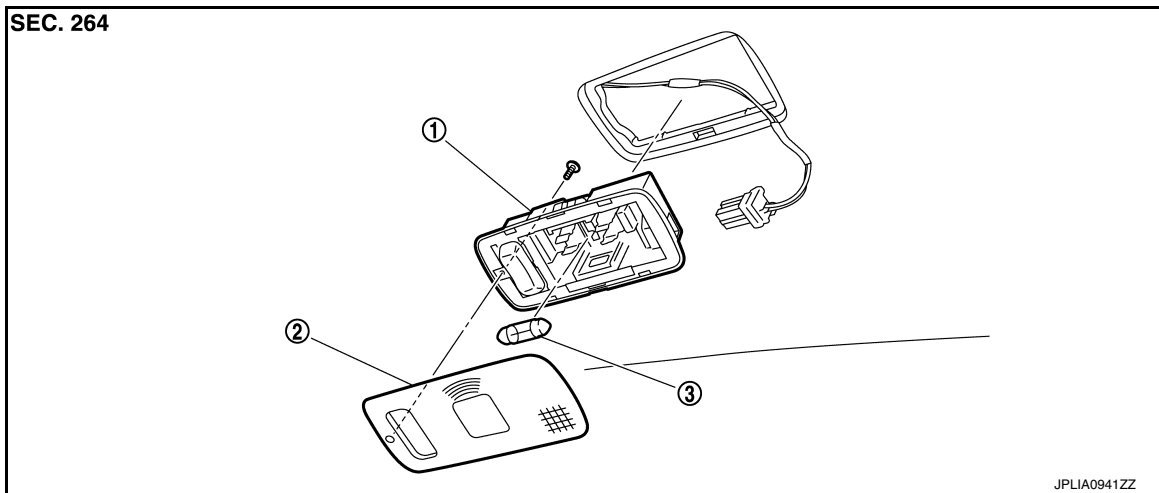
BACK DOOR SIDE

LUGGAGE ROOM LAMP

< REMOVAL AND INSTALLATION >

BACK DOOR SIDE : Exploded View

INFOID:000000012167391



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

BACK DOOR SIDE : Removal and Installation

INFOID:000000012167392

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:000000012167393

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-116, "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:0000000012167394

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

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