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SECTION INL

INTERIOR LIGHTING SYSTEM

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DIAGNOSIS AND REPAIR WORKFLOW

< BASIC INSPECTION >

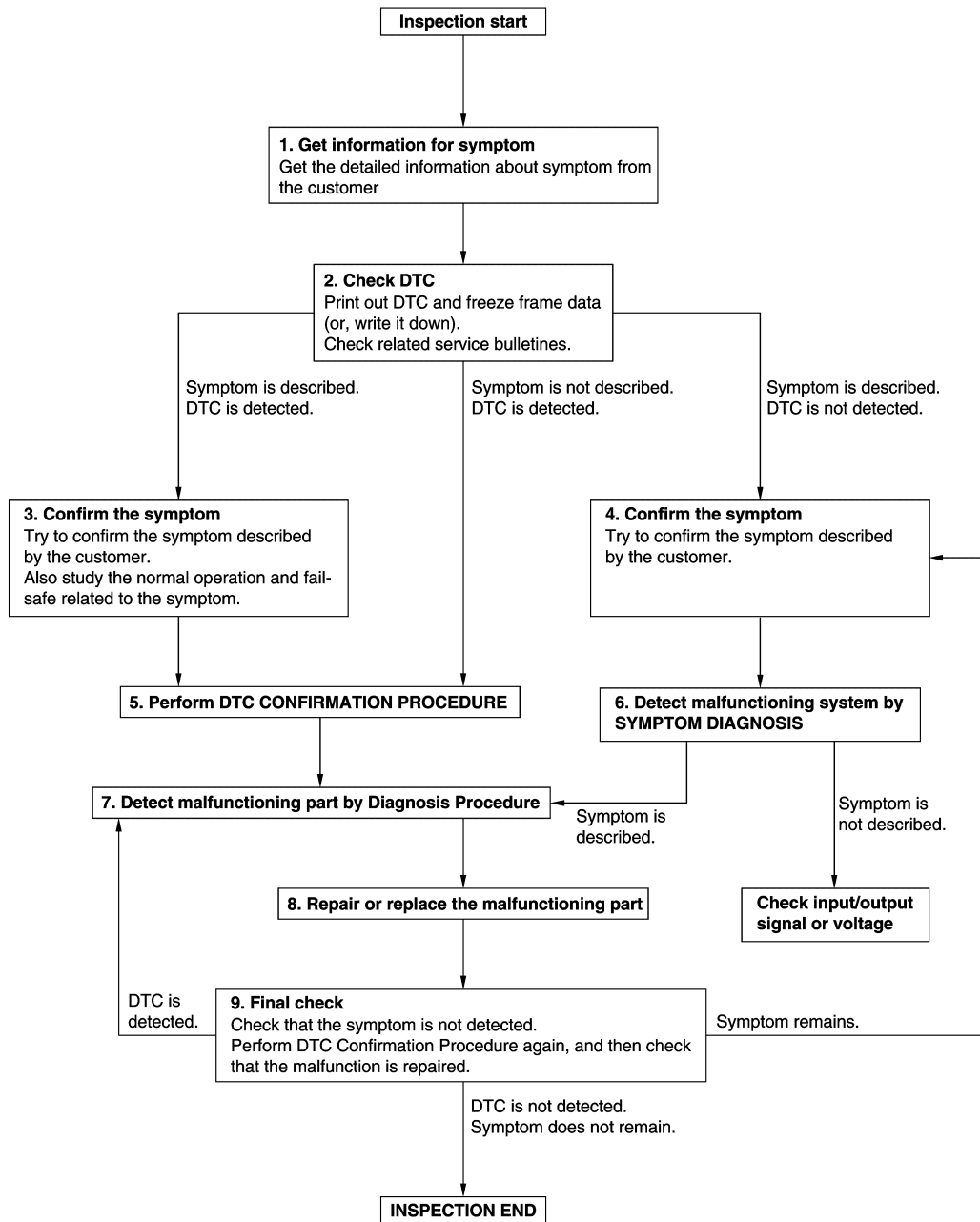
BASIC INSPECTION

DIAGNOSIS AND REPAIR WORKFLOW

Work Flow

INFOID:000000007689870

OVERALL SEQUENCE



DETAILED FLOW

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DIAGNOSIS AND REPAIR WORKFLOW

< 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 [INL-96, "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 WORKFLOW

< 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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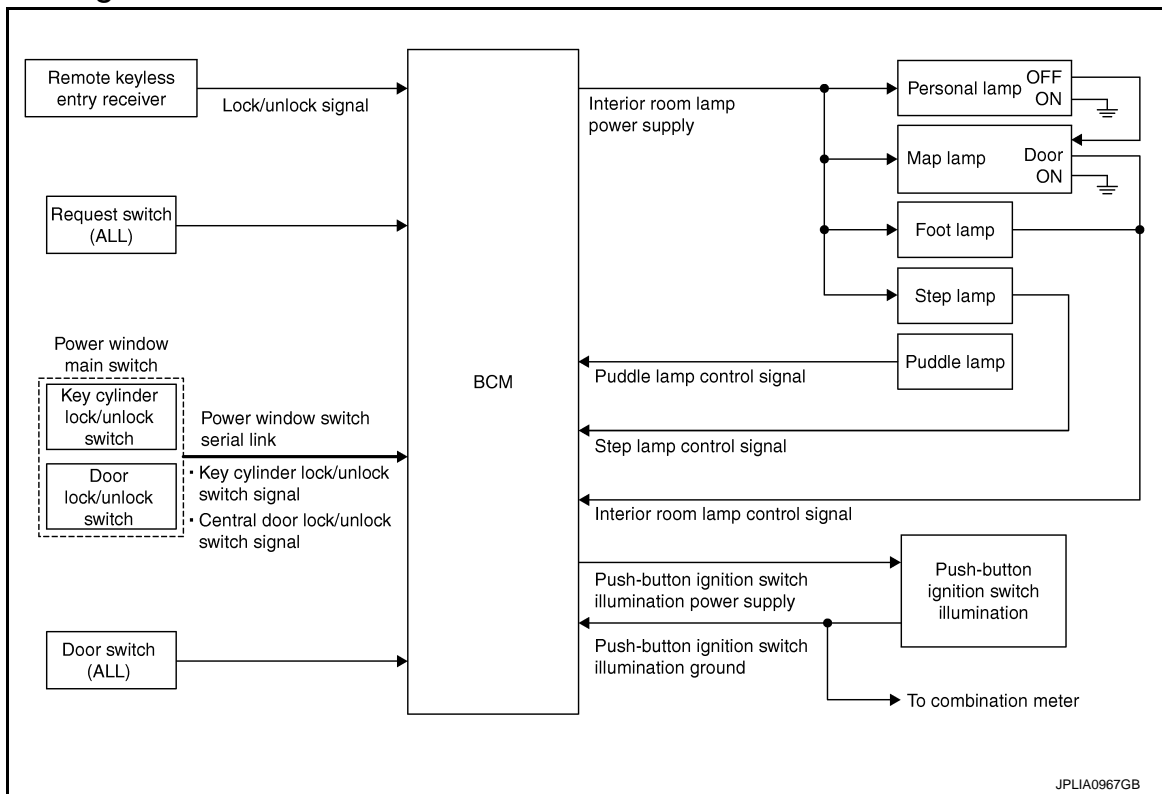
INTERIOR ROOM LAMP CONTROL SYSTEM

< SYSTEM DESCRIPTION >

SYSTEM DESCRIPTION

INTERIOR ROOM LAMP CONTROL SYSTEM

System Diagram



System Description

INFOID:000000007458202

OUTLINE

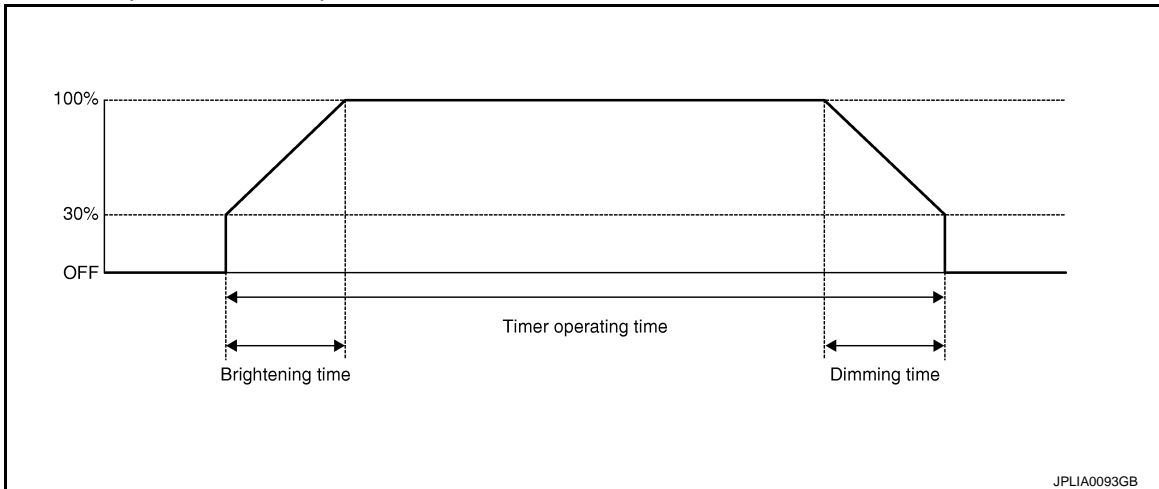
- Interior room lamps* are controlled by interior room lamp timer control function of BCM.
*: Map lamp, foot lamp and personal lamp (when map lamp switch is in DOOR position).
- Step lamp is controlled by step lamp control function of BCM.
- Puddle lamp is controlled by puddle lamp timer control function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

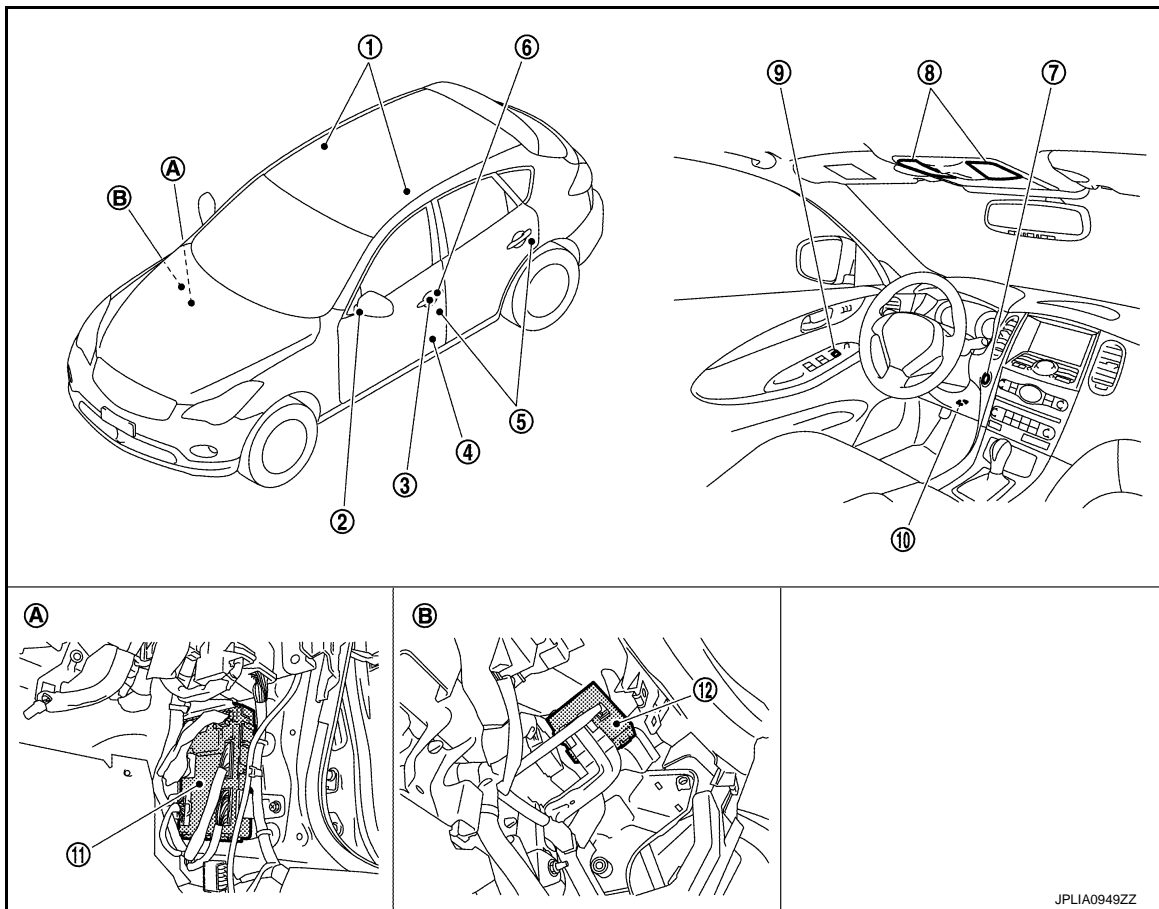
- The push-button ignition switch illumination ON conditions do not satisfy.
- All of the following conditions with ignition switch OFF
 - Each illumination (tail lamp) OFF
 - The push-button ignition switch illumination ON conditions do not change (15 seconds after the ignition switch OFF) or the driver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

INTERIOR ROOM LAMP CONTROL SYSTEM

< SYSTEM DESCRIPTION >

Component Parts Location

INFOID:000000007458203



- | | | |
|---|-----------------------|------------------------------------|
| 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:000000007458204

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

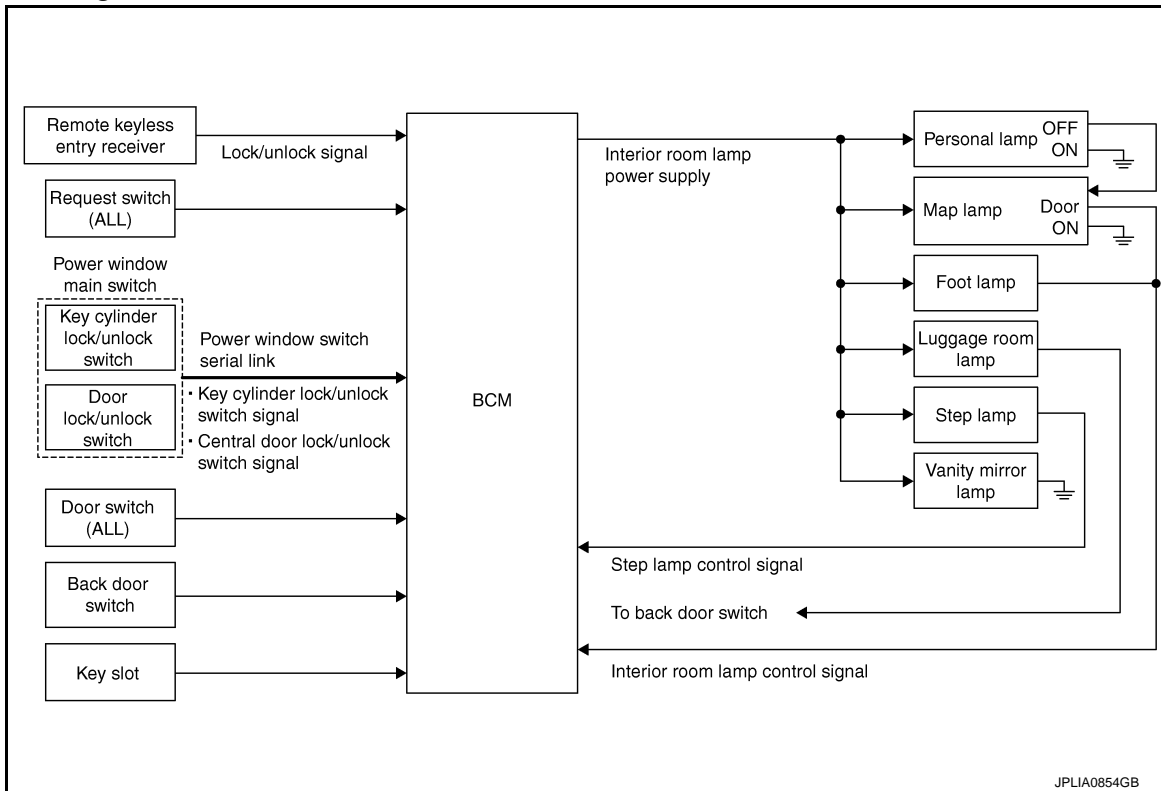
INTERIOR ROOM LAMP BATTERY SAVER SYSTEM

< SYSTEM DESCRIPTION >

INTERIOR ROOM LAMP BATTERY SAVER SYSTEM

System Diagram

INFOID:000000007458205



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System Description

INFOID:000000007458206

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:

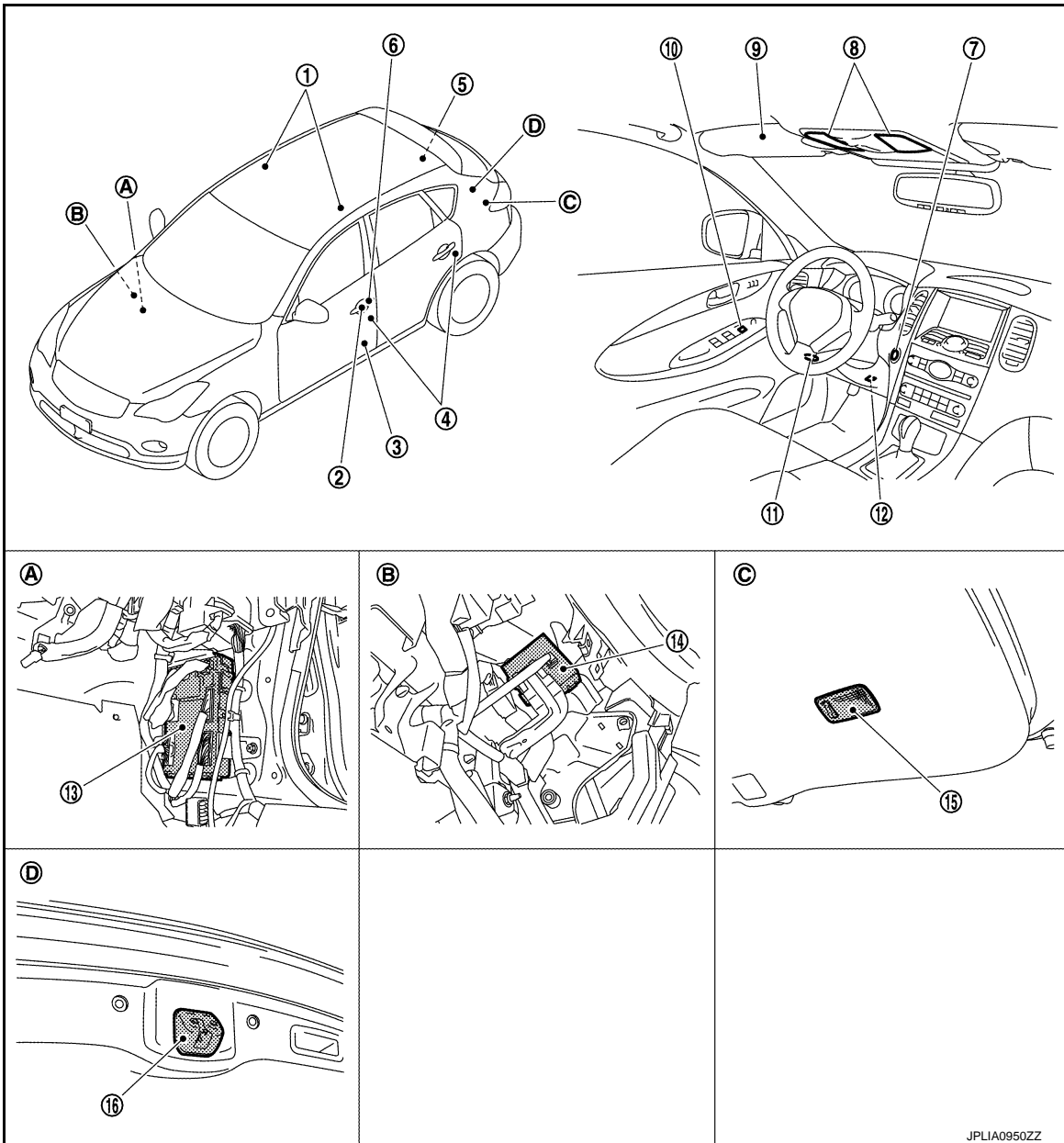
Each function of interior room lamp battery saver can be set by CONSULT. Refer to [INL-18. "BATTERY SAVER : CONSULT Function \(BCM - BATTERY SAVER\)"](#).

INTERIOR ROOM LAMP BATTERY SAVER SYSTEM

< SYSTEM DESCRIPTION >

Component Parts Location

INFOID:000000007458207



- | | | |
|-------------------------------------|-------------------------------------|--|
| 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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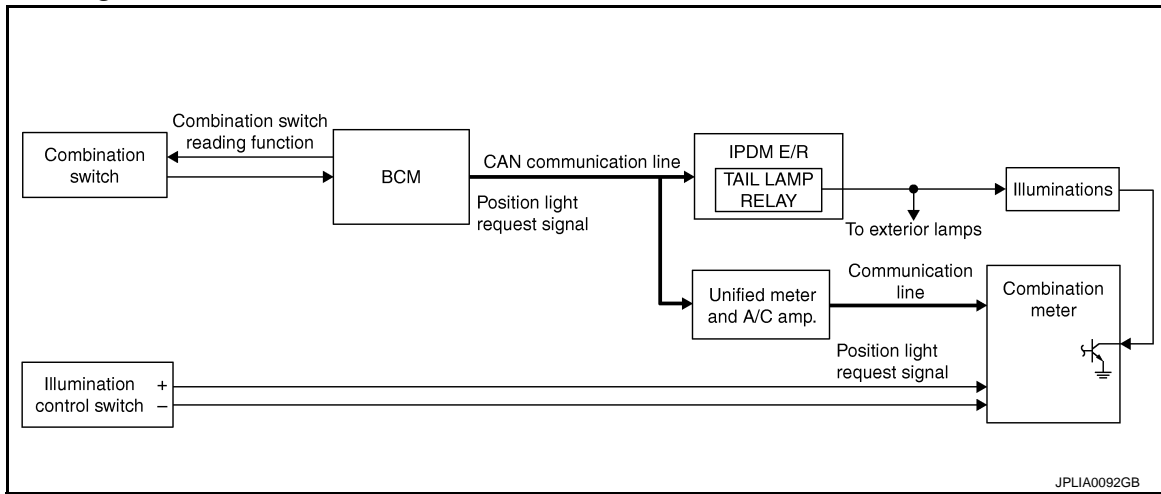
Part	Description
BCM	Operates the interior room lamp battery saver depending on the vehicle condition to cut the interior room lamp power supply.
Remote keyless entry receiver	<ul style="list-style-type: none">• Receives the lock/unlock signal from keyfob.• Transmits the lock/unlock signal to BCM.
<ul 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:000000007458210

OUTLINE

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

Control by BCM

- Combination switch reading function
- Headlamp control function

Control by IPDM E/R

- Relay control function

Control by combination meter

- Meter illumination control function (Refer to [MWI-27, "METER ILLUMINATION CONTROL : System Diagram."](#))

ILLUMINATION CONTROL

- BCM detects the combination switch condition by the combination switch reading function.
- BCM transmits position light request signal to IPDM E/R and combination meter (through the unified meter and A/C amp.) according to tail lamp ON condition.

Tail lamp ON condition

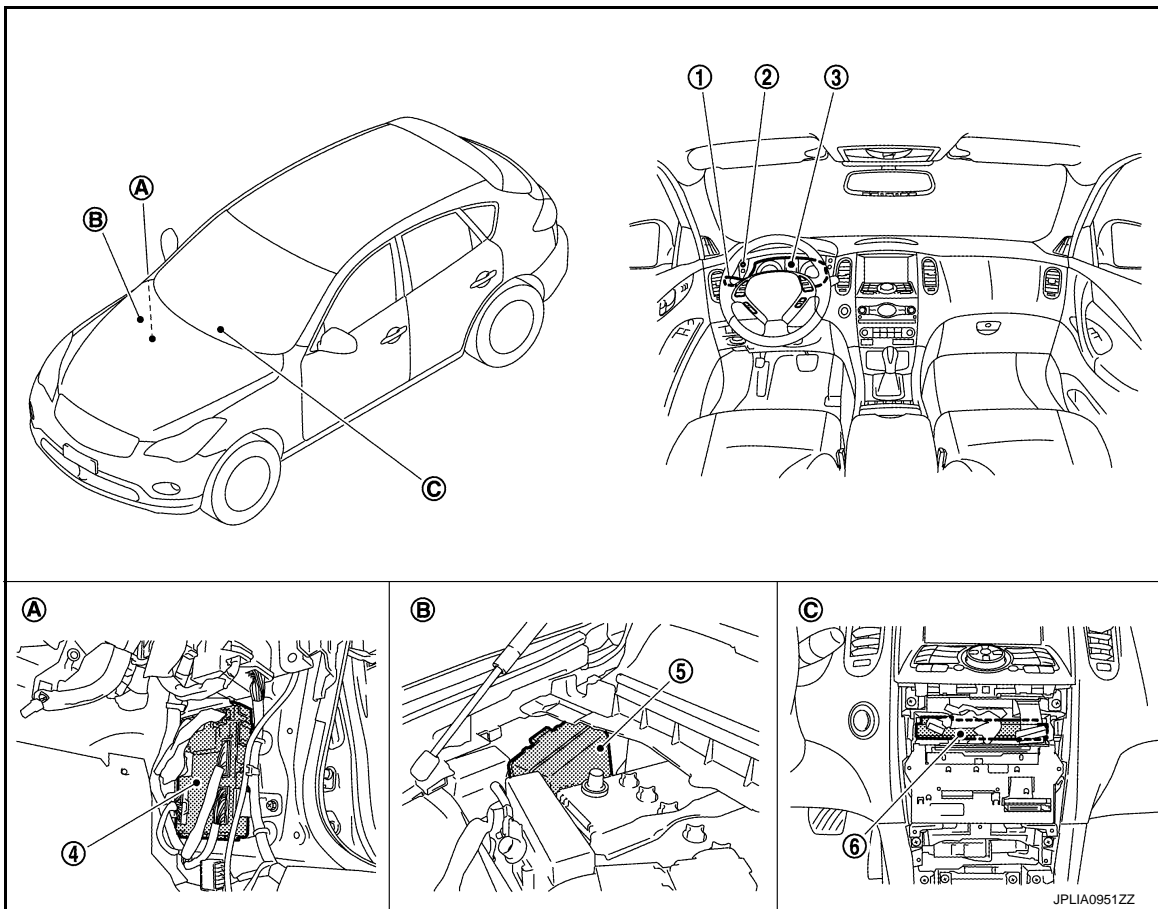
- Lighting switch 1ST
- Lighting switch 2ND
- Lighting switch AUTO, and the auto light function ON judgment (With auto light system)
- IPDM E/R turns the integrated tail lamp relay ON according to position light request signal. It provides the power supply to each illumination lamp.
- Combination meter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

ILLUMINATION CONTROL SYSTEM

< SYSTEM DESCRIPTION >

Component Parts Location

INFOID:000000007458211



- | | | |
|------------------------------------|--------------------------------|-------------------------------|
| 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:000000007458212

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:000000007689871

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.

x: Applicable item

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

NOTE:

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

FREEZE FRAME DATA (FFD)

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

DIAGNOSIS SYSTEM (BCM)

< SYSTEM DESCRIPTION >

CONSULT screen item	Indication/Unit	Description	
Vehicle Speed	km/h	Vehicle speed of the moment a particular DTC is detected	
Odo/Trip Meter	km	Total mileage (Odometer value) of the moment a particular DTC is detected	
Vehicle Condition	SLEEP>LOCK	Power 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

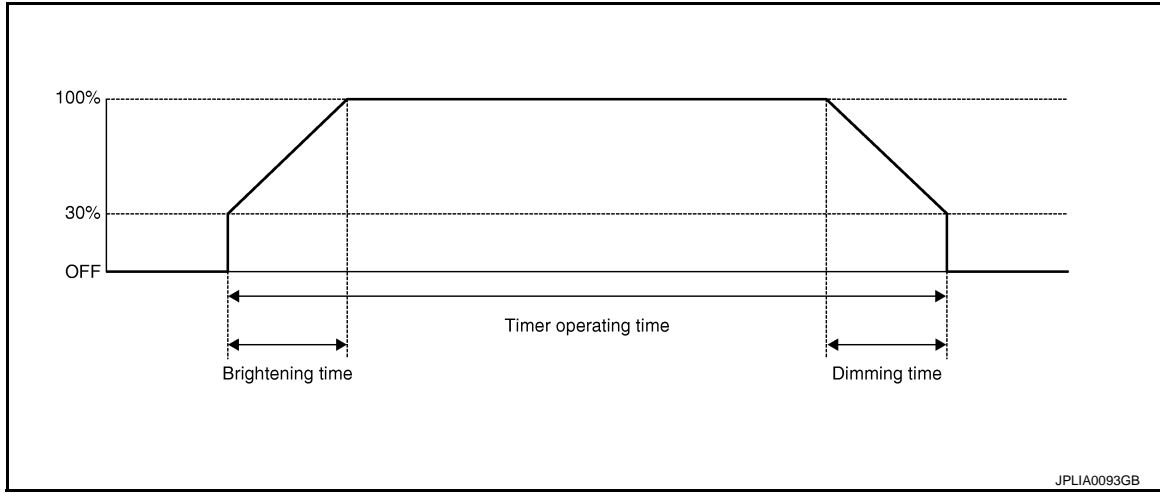
DIAGNOSIS SYSTEM (BCM)

< SYSTEM DESCRIPTION >

INT LAMP : CONSULT Function (BCM - INT LAMP)

INFOID:000000007458214

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

Monitor item [Unit]	Description
REQ SW-DR [On/Off]	The switch status input from request switch (driver side)
REQ SW-AS [On/Off]	The switch status input from request switch (passenger side)
PUSH SW [On/Off]	The switch status input from push-button ignition switch
KEY SW-SLOT [On/Off]	Key switch status input from key slot

DIAGNOSIS SYSTEM (BCM)

< SYSTEM DESCRIPTION >

Monitor item [Unit]	Description
DOOR SW-DR [On/Off]	The switch status input from front door switch (driver side)
DOOR SW-AS [On/Off]	The switch status input from front door switch (passenger side)
DOOR SW-RR [On/Off]	The switch status input from rear door switch RH
DOOR SW- RL [On/Off]	The switch status input from rear door switch LH
DOOR SW-BK [On/Off]	The switch status input from back door switch
CDL LOCK SW [On/Off]	Lock switch status received from central door lock switch by power window switch serial link
CDL UNLOCK SW [On/Off]	Unlock switch status received from central door lock switch by power window switch serial link
KEY CYL LK-SW [On/Off]	Lock switch status received from key cylinder switch by power window switch serial link
KEY CYL UN-SW [On/Off]	Unlock switch status received from key cylinder switch by power window switch serial link
TRNK/HAT MNTR [On/Off]	NOTE: The item is indicated, but not monitored.
RKE-LOCK [On/Off]	Lock signal status received from remote keyless entry receiver
RKE-UNLOCK [On/Off]	Unlock signal status received from remote keyless entry receiver

ACTIVE TEST

Test item	Operation	Description
INT LAMP	On	Outputs the interior room lamp control signal to turn map lamp and personal lamp ON (Map lamp switch is in DOOR position).
	Off	Stops the interior room lamp control signal to turn map lamp and personal lamp OFF.
STEP LAMP TEST	On	Outputs the step lamp control signal to turn step lamp ON.
	Off	Stops the step lamp control signal to turn step lamp OFF.
LUGGAGE LAMP TEST	On	Outputs the trunk room lamp control signal to turn step lamp ON.
	Off	Stops the trunk room lamp control signal to turn step lamp ON.

BATTERY SAVER

BATTERY SAVER : CONSULT Function (BCM - BATTERY SAVER)

INFOID:000000007458215

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.	

*: Initial setting

DIAGNOSIS SYSTEM (BCM)

< SYSTEM DESCRIPTION >

DATA MONITOR

Monitor item [Unit]	Description
REQ SW-DR [On/Off]	The switch status input from request switch (driver side)
REQ SW-AS [On/Off]	The switch status input from request switch (passenger side)
REQ SW-RR [On/Off]	NOTE: The item is indicated, but not monitored.
REQ SW-RL [On/Off]	
PUSH SW [On/Off]	The switch status input from push-button ignition switch
KEY SW-SLOT [On/Off]	Key switch status input from key slot
UNLK SEN-DR [On/Off]	Driver door unlock status input from unlock sensor
DOOR SW-DR [On/Off]	The switch status input from front door switch (driver side)
DOOR SW-AS [On/Off]	The switch status input from front door switch (passenger side)
DOOR SW-RR [On/Off]	The switch status input from rear door switch RH
DOOR SW- RL [On/Off]	The switch status input from rear door switch LH
DOOR SW-BK [On/Off]	The switch status input from back door switch
CDL LOCK SW [On/Off]	Lock switch status received from central door lock switch by power window switch serial link
CDL UNLOCK SW [On/Off]	Unlock switch status received from central door lock switch by power window switch serial link
KEY CYL LK-SW [On/Off]	Lock switch status received from key cylinder switch by power window switch serial link
KEY CYL UN-SW [On/Off]	Unlock switch status received from key cylinder switch by power window switch serial link
TRNK/HAT MNTR [On/Off]	NOTE: The item is indicated, but not monitored.
RKE-LOCK [On/Off]	Lock signal status received from remote keyless entry receiver
RKE-UNLOCK [On/Off]	Unlock signal status received from remote keyless entry receiver

ACTIVE TEST

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

*: Each lamp switch is in ON position.

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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:000000007749794

1. CHECK FUSE AND FUSIBLE LINK

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

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

Is the fuse fusing?

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

NO >> GO TO 2.

2. CHECK POWER SUPPLY CIRCUIT

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

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

Is the measurement value normal?

YES >> GO TO 3.

NO >> Repair harness or connector.

3. CHECK GROUND CIRCUIT

Check continuity between BCM harness connector and ground.

BCM		Ground	Continuity
Connector	Terminal		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:000000007458217

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

Component Function Check

INFOID:000000007458218

1. CHECK INTERIOR ROOM LAMP POWER SUPPLY FUNCTION

CONSULT ACTIVE TEST

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

Off : Interior room lamp OFF

On : Interior room lamp ON

Does the interior room lamp turn ON/OFF?

YES >> Interior room lamp power supply circuit is normal.

NO >> Refer to [INL-21, "Diagnosis Procedure"](#).

Diagnosis Procedure

INFOID:000000007458219

1. CHECK INTERIOR ROOM LAMP POWER SUPPLY OUTPUT

CONSULT ACTIVE TEST

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

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

Is the measurement value normal?

YES >> GO TO 2.

NO >> Replace BCM. Refer to [BCS-92, "Removal and Installation"](#).

2. CHECK INTERIOR ROOM LAMP POWER SUPPLY OPEN CIRCUIT

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

INTERIOR ROOM LAMP POWER SUPPLY CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

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

BCM		Each interior room lamp			Continuity
Connector	Terminal	Connector	Terminal		
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:000000007458220

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:000000007458221

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:000000007458222

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-92, "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-92. "Removal and Installation"](#).

STEP LAMP CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

STEP LAMP CIRCUIT

Description

INFOID:000000007458223

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

Component Function Check

INFOID:000000007458224

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:000000007458225

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-92, "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-92. "Removal and Installation"](#).

PUDDLE LAMP CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

PUDDLE LAMP CIRCUIT

Description

INFOID:000000007458226

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

Diagnosis Procedure

INFOID:000000007458227

1. CHECK PUDDLE LAMP FUSE

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

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

Is the fuse fusing?

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

2. CHECK PUDDLE LAMP INPUT VOLTAGE

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

BCM		Ground	Condition	Voltage
Connector	Terminal		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-92, "Removal and Installation"](#).

PUSH-BUTTON IGNITION SWITCH ILLUMINATION CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

PUSH-BUTTON IGNITION SWITCH ILLUMINATION CIRCUIT

Description

INFOID:000000007458228

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

Component Function Check

INFOID:000000007458229

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:000000007458230

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-92, "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			Ground
M123	133			
		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-92, "Removal and Installation"](#).

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INTERIOR ROOM LAMP CONTROL SYSTEM

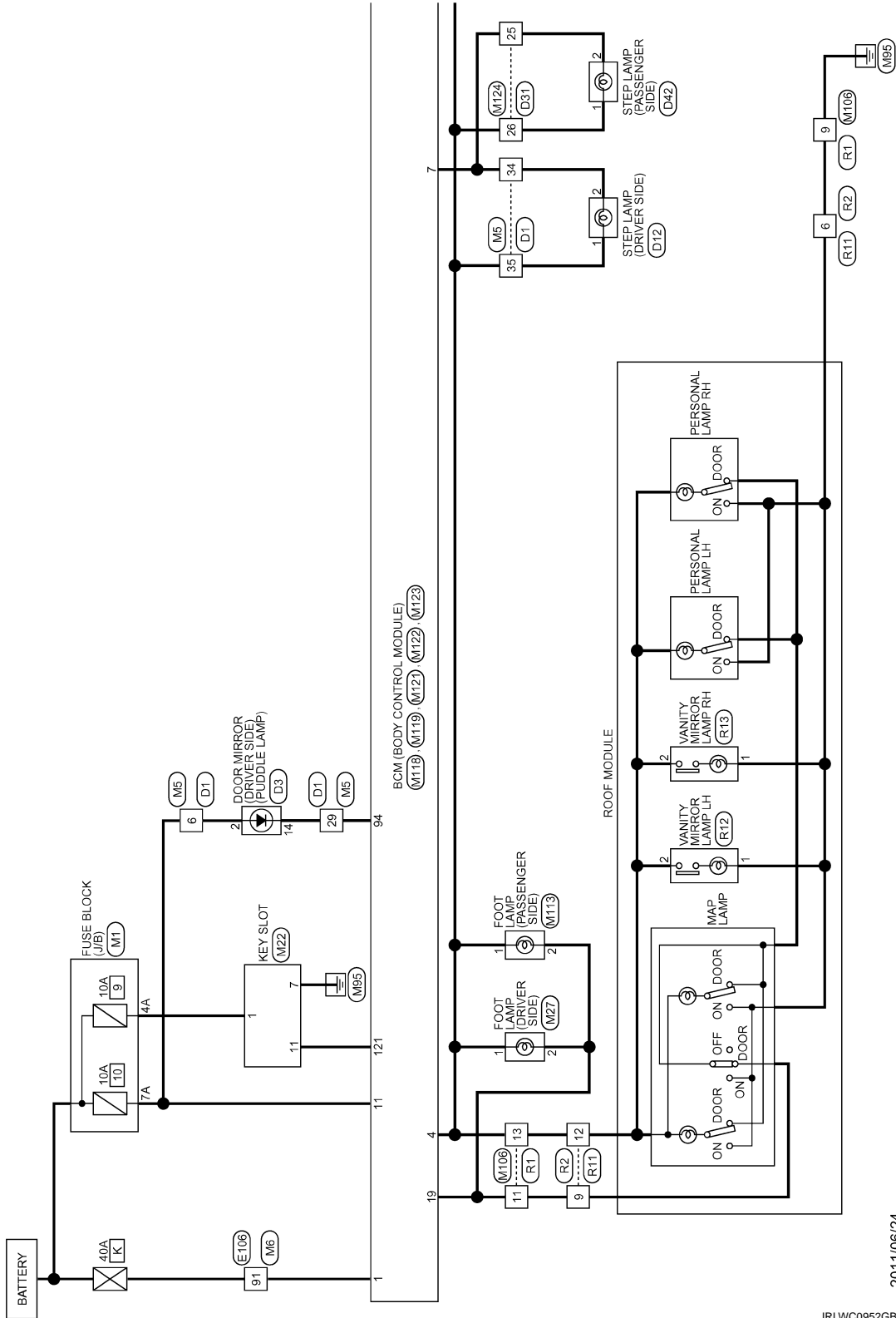
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INTERIOR ROOM LAMP CONTROL SYSTEM

Wiring Diagram - INTERIOR ROOM LAMP -

INFOID:000000007458231

INTERIOR ROOM LAMP CONTROL SYSTEM

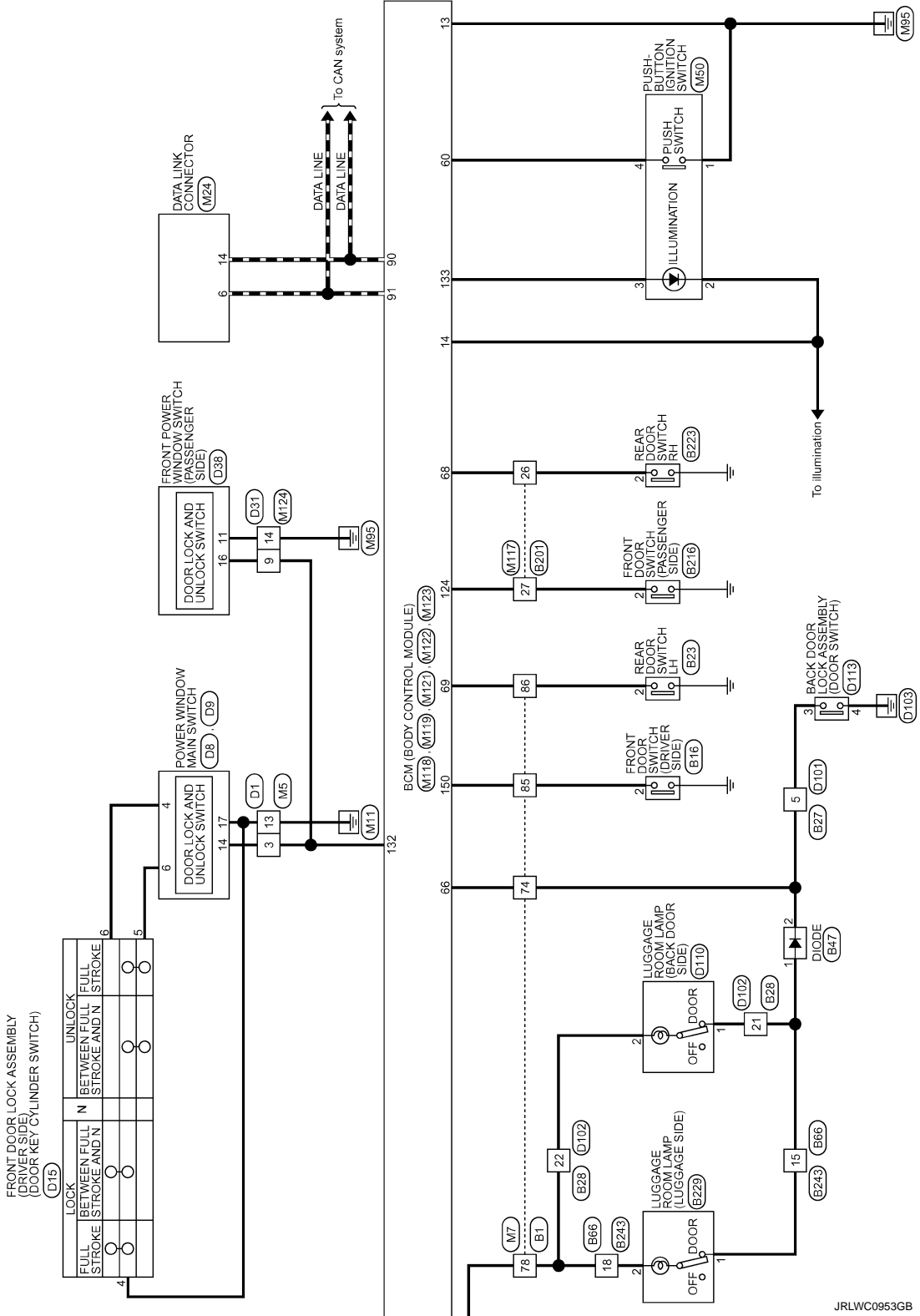


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INTERIOR ROOM LAMP CONTROL SYSTEM

< DTC/CIRCUIT DIAGNOSIS >



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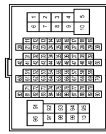
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INTERIOR ROOM LAMP CONTROL SYSTEM

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INTERIOR ROOM LAMP CONTROL SYSTEM

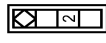
Connector No.	B1
Connector Name	WIRE TO WIRE
Connector Type	TH8DFW-C516-TM4



Terminal No.	Color Of Wire	Signal Name [Specification]
3	R	-
5	G	-
6	SR	-
7	V	-
8	LS	-
12	SR	-
13	SG	-
14	SG	-
15	LG	-
17	W	-
18	SR	-
19	LG	-
20	BR	-
21	SHIELD	-
22	Y	-
24	P	-
27	B	-
28	R	-
29	W	-
30	SHIELD	-
31	SHIELD	-
32	W	-
33	SR	-
34	L	-
35	P	-
36	L	-
37	P	-
38	BR	-
39	Y	-
44	V	-
45	GR	-
46	LG	-
47	SR	-
49	G	-
50	V	-

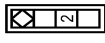
60	P	-
61	L	-
62	SHIELD	-
63	R	-
64	G	-
65	SHIELD	-
66	W	-
67	V	-
68	SR	-
69	SHIELD	-
70	W	-
73	SR	-
74	L	-
75	W	-
76	BR	-
77	R	-
78	P	-
79	GR	-
83	SG	-
84	LG	-
87	Y	-
88	R	-
89	B	-
90	SG	-
91	G	-
92	BR	-
93	G	-
94	SR	-
95	G	-
96	Y	-
98	W	-
99	GR	-

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



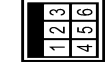
Terminal No.	2
Color Of Wire	V
Signal Name [Specification]	-

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



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

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



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

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

Terminal No.	3
Color Of Wire	B
Signal Name [Specification]	-

Terminal No.	4
Color Of Wire	SR
Signal Name [Specification]	-

Terminal No.	5
Color Of Wire	L
Signal Name [Specification]	-

Terminal No.	6
Color Of Wire	W
Signal Name [Specification]	-

Terminal No.	7
Color Of Wire	BR
Signal Name [Specification]	-

Terminal No.	8
Color Of Wire	SHIELD
Signal Name [Specification]	- [Without around view monitor]

Terminal No.	9
Color Of Wire	B
Signal Name [Specification]	- [Without around view monitor]

Terminal No.	10
Color Of Wire	Y
Signal Name [Specification]	- [Without around view monitor]

Terminal No.	11
Color Of Wire	W
Signal Name [Specification]	-

Terminal No.	12
Color Of Wire	L
Signal Name [Specification]	- [Without around view monitor]

Terminal No.	13
Color Of Wire	SHIELD
Signal Name [Specification]	-

Terminal No.	14
Color Of Wire	LG
Signal Name [Specification]	-

Terminal No.	15
Color Of Wire	BR
Signal Name [Specification]	-

Terminal No.	16
Color Of Wire	SR
Signal Name [Specification]	-

Terminal No.	17
Color Of Wire	SHIELD
Signal Name [Specification]	-

Terminal No.	18
Color Of Wire	LG
Signal Name [Specification]	-

Terminal No.	19
Color Of Wire	BR
Signal Name [Specification]	-

Terminal No.	20
Color Of Wire	SR
Signal Name [Specification]	-

Terminal No.	21
Color Of Wire	B
Signal Name [Specification]	-

Terminal No.	22
Color Of Wire	P
Signal Name [Specification]	-

Terminal No.	23
Color Of Wire	BR
Signal Name [Specification]	-

Terminal No.	24
Color Of Wire	R
Signal Name [Specification]	-

INTERIOR ROOM LAMP CONTROL SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

INTERIOR ROOM LAMP CONTROL SYSTEM

Connector No.	B47
Connector Name	DIODE
Connector Type	24335_CS900



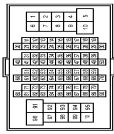
Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	L	-

Connector No.	B66
Connector Name	WIRE TO WIRE
Connector Type	TH24NWS-NH



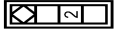
Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG	-
2	R	-
3	B	-
13	L	-
14	W	-
15	B	-
16	BR	-
17	BG	-
18	P	-

Connector No.	B201
Connector Name	WIRE TO WIRE
Connector Type	TH80PW_CS16-TM4



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	R	-
3	GR	-
4	BG	-
7	LG	-
10	W	-
13	SB	-
14	Y	-
15	BR	-
16	BR	-
17	Y	-
18	Y	-
19	Y	-
20	GR	-
31	R	-
32	BR	-
33	G	-
51	R	-
52	V	-
55	G	-
56	R	-
57	W	-
58	B	-
59	SHIELD	-
60	LG	-
61	W	-
62	BR	-
63	P	-
64	L	-
65	G	-
66	P	-
67	L	-
68	SHIELD	-
69	V	-
70	V	-
71	SB	-

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



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

Connector No.	B229
Connector Name	LUGGAGE ROOM LAMP (LUGGAGE SIB)
Connector Type	TH03FW



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

Connector No.	B243
Connector Name	WIRE TO WIRE
Connector Type	TH04FW-NH



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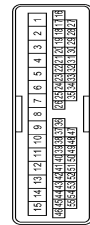
INTERIOR ROOM LAMP CONTROL SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

INTERIOR ROOM LAMP CONTROL SYSTEM

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

Connector No.	D1
Connector Name	WIRE TO WIRE
Connector Type	TH40FW-ES15



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

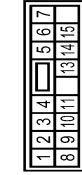
24	V	-
25	GR	-
26	Y	-
27	B	-
28	SHIELD	-
29	LG	-
30	G	-
31	W	-
32	G	-
33	L	-
34	SR	-
35	R	-
36	LG	-
37	R	-
38	P	-
39	O	-
40	BR	-
41	L	-
42	GR	- [With automatic drive positioner]
43	BR	- [With automatic drive positioner]
44	GR	- [Without automatic drive positioner]
44	W	- [With automatic drive positioner]
45	G	- [Without automatic drive positioner]
45	Y	- [With automatic drive positioner]
46	G	- [With automatic drive positioner]
46	V	- [Without automatic drive positioner]
49	GR	-
50	B	-
52	R	-
53	SR	-
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]
2	O	-
3	B	SIDE CAMERA LH COMM
5	Y	SIDE CAMERA LH IMAGE SIGNAL
6	R	SIDE CAMERA LH POWER SUPPLY
7	W	-
10	G	-
11	P	-
12	O	-
14	LG	-
17	G	SIDE CAMERA LH IMAGE GND
18	W	-
19	B	-
21	GR	-
22	BR	-
23	Y	-
24	V	-

Connector No.	D8
Connector Name	POWER WINDOW MAIN SWITCH
Connector Type	NS16PW-CS



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

Connector No.	D9
Connector Name	POWER WINDOW MAIN SWITCH
Connector Type	NS03PW-CS



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

Connector No.	D12
Connector Name	STEP LAMP (DRIVER SIDE)
Connector Type	FB02FW



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

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INTERIOR ROOM LAMP CONTROL SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

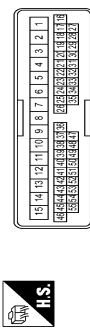
INTERIOR ROOM LAMP CONTROL SYSTEM

Connector No.	D15
Connector Name	FRONT DOOR LOCK ASSEMBLY (DRIVER SIDE)
Connector Type	ED61GV-RS



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

Connector No.	D31
Connector Name	WIRE TO WIRE
Connector Type	1H40PW-CS15



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

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

Connector No.	D3B
Connector Name	FRONT POWER WINDOW SWITCH (PASSENGER SIDE)
Connector Type	NS16FW-C5



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

Connector No.	DA2
Connector Name	STEP LAMP (PASSENGER SIDE)
Connector Type	1B02FW



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

Connector No.	DD1
Connector Name	WIRE TO WIRE
Connector Type	M06FW-LC



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

Connector No.	D102
Connector Name	WIRE TO WIRE
Connector Type	1H24FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	-
3	W	-
4	B	-
5	R	-
6	O	-
13	R	- [With around view monitor]
14	SHIELD	- [Without around view monitor]
15	G	- [With around view monitor]
16	L	- [Without around view monitor]
17	G	- [Without around view monitor]
17	W	- [With around view monitor]
18	SHIELD	-
19	LG	-
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	USAGE 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-ES



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

Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4

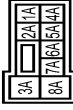


Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	
2	W	
3	B	
4	GR	
5	GR	
6	GR	
7	Y	
8	BR	
9	GR	
10	GR	
11	GR	
12	GR	
13	L	
14	R	
15	P	
16	V	
17	SR	
18	V	
20	BG	
21	L	
22	V	
23	G	
24	P	
25	Y	
26	V	
27	W	
28	G	
31	BG	
32	W	
33	B	
34	R	
35	G	
36	SHIELD	
37	V	
38	BR	
39	BG	
41	V	
42	G	

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

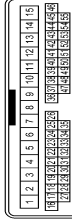
97	R	
98	SHIELD	
99	L	
100	P	

Connector No.	M1
Connector Name	FUSE BLOCK (1/8)
Connector Type	NS06FW-M2



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

Connector No.	M5
Connector Name	WIRE TO WIRE
Connector Type	TH40DW-CS15



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

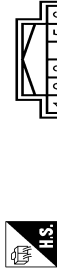
INTERIOR ROOM LAMP CONTROL SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

INTERIOR ROOM LAMP CONTROL SYSTEM

45	GR	-	-	-	-
46	LG	-	-	-	-
47	S8	-	-	-	-
49	V	-	-	-	-
50	R	-	-	-	-
60	P	-	-	-	-
61	L	-	-	-	-
62	SHIELD	-	-	-	-
63	R	-	-	-	-
64	G	-	-	-	-
65	SHIELD	-	-	-	-
66	S8	-	-	-	-
67	V	-	-	-	-
68	LG	-	-	-	-
69	SHIELD	-	-	-	-
70	W	-	-	-	-
71	G	-	-	-	-
74	R	-	-	-	-
75	W	-	-	-	-
76	W	-	-	-	-
77	P	-	-	-	-
78	P	-	-	-	-
79	GR	-	-	-	-
83	RG	-	-	-	-
85	LG	-	-	-	-
86	R	-	-	-	-
87	Y	-	-	-	-
88	W	-	-	-	-
89	BR	-	-	-	-
90	BG	-	-	-	-
91	G	-	-	-	-
92	V	-	-	-	-
93	BR	-	-	-	-
94	V	-	-	-	-
95	G	-	-	-	-
96	Y	-	-	-	-
98	W	-	-	-	-
99	R	-	-	-	-

Connector No.	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	BD16FW



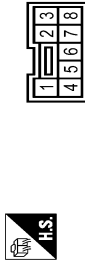
Terminal No.	Color Of Wire	Signal Name [Specification]
3	LG	-
4	B	-
5	B	-
6	L	-
7	V	-
8	G	-
11	S8	-
14	P	-
15	Y	-

Connector No.	M27
Connector Name	FOOT LAMP (DRIVER SIDE)
Connector Type	AD2FW



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

Connector No.	M5D
Connector Name	PUSH-BUTTON IGNITION SWITCH
Connector Type	TG2B5BR



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

Connector No.	M106
Connector Name	WIRE TO WIRE
Connector Type	NH1DMW-CS10



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

Connector No.	M113
Connector Name	FOOT LAMP (PASSENGER SIDE)
Connector Type	AD2FW



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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	R	-
2	BR	-

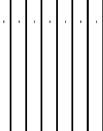
Connector No.	M117
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS1E-TM4



Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
2	LG	-
3	GR	-
4	SR	-
7	W	-
10	W	-
15	SR	-
16	V	-
17	BR	-
26	BR	-
27	LG	-
28	Y	-
29	Y	-
30	V	-
31	R	-
32	BR	-
33	G	-
51	R	-
52	L	-
55	W	-
56	B	-
57	R	-
58	G	-
59	SHIELD	-
60	V	-
61	LG	-
62	BR	-
63	L	-
64	LG	-
65	B	-

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

Connector No.	M118
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	IM33FB-LC



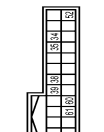
Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	W	-
3	Y	-

Connector No.	M119
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	NS116FW-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)
11	R	IGNITION
13	B	IGNITION SW I/L GND
14	Y	ACC
15	Y	ACC
17	W	TURN SIGNAL RL (FRONT)
18	BG	TURN SIGNAL LL (FRONT)
19	V	INT ROOM LAMP CONT

Connector No.	M121
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FG*WH



Terminal No.	Color Of Wire	Signal Name [Specification]
34	SR	LUGGAGE ROOM ANTI-
35	V	LUGGAGE ROOM ANTI+
38	B	BACK DOOR ANTI-
39	W	BACK DOOR ANTI+
47	W	IGN REAR (PDM/FA) CONT
52	SR	START REAR CONT
60	BR	PUSH SW

61	W	BACK DOOR OPENER REQUEST SW
64	V	I-KEY WARN BUZZER (LENS ROOM)
65	BG	REAR WIPER STOP POSITION
66	R	BACK DOOR SW
67	GR	BACK DOOR OPENERS SW
68	BR	REAR RH DOOR SW
69	R	REAR LH DOOR SW

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



Terminal No.	Color Of Wire	Signal Name [Specification]
72	W	ROOM ANTI-
73	G	ROOM ANTI-
74	SR	PASSENGER DOOR ANTI-
75	GR	PASSENGER DOOR ANTI+
76	V	DRIVER DOOR ANTI-
77	LG	DRIVER DOOR ANTI+
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 5
88	V	COMBI SW INPUT 3
90	P	CAN-L
91	L	CAN-H
92	LG	KEY SLOT ILL CONT
93	V	ON IND
94	Y	PUDDLE LAMP CONT
96	BG	ACC RELAY CONT
99	R	A/T SHIFT SELECTOR POWER SUPPLY SHIFTP
100	G	PASSENGER DOOR REQUEST SW
101	SR	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

108	R	COMB SW INPUT 4
109	Y	COMB SW INPUT 2
110	G	HAZARD SW

Connector No.	M123
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FG-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
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Terminal No.	Color Of Wire	Signal Name [Specification]
112	L	OPEN LOCK SENSOR
113	BR	STOP LAMP SW
114	BR	STOP LAMP SW 2
115	BR	DR DOOR LOCK SENSOR
116	BR	KEYS DOT SW
117	BR	IGN1/R
118	W	PASSENGER DOOR SW
119	LG	POWER WINDOW SW
120	LG	POWER WINDOW SW COMM
121	W	PUSH-BUTTON IGNITION SW ILL POWER
122	GR	LOCK IND
123	GR	RECEIVER/SENSOR GND
124	Y	RECEIVER/SENSOR POWER SUPPLY
125	L	TIRE PRESSURE RECEIVER COMM
126	GR	SHIFT N/P
127	G	SECURITY IND LAMP CONT
128	BE	COMB SW OUTPUT 5
129	P	COMB SW OUTPUT 1
130	G	COMB SW OUTPUT 2
131	L	COMB SW OUTPUT 3
132	BR	COMB SW OUTPUT 4
133	LG	DRIVER DOOR SW
134	G	REAR WINDOW DEFOGGER RELAY CONT

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

Connector No.	RT1
Connector Name	WIRE TO WIRE
Connector Type	TH12MW-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
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Terminal No.	Color Of Wire	Signal Name [Specification]
7	Y	
8	LG	
9	Y	
10	L	
11	Y	
12	L	
13	Y	
14	W	
15	BR	
16	BR	
17	BR	
18	R	
19	B	
20	Y	(Without ROSE audio)
21	G	(With ROSE audio)
22	L	(Without ROSE audio)
23	GR	
24	G	
25	Y	
26	R	
27	SHIELD	
28	W	
29	LG	
30	G	
31	BR	
32	BR	
33	V	
34	G	
35	L	
36	Y	
37	R	
38	W	
39	BR	
40	BR	
41	W	
42	W	
43	SHIELD	
44	B	
45	B	
46	Y	
47	W	
48	R	
49	R	
50	G	
51	G	
52	BR	
53	BR	

Connector No.	RT1
Connector Name	WIRE TO WIRE
Connector Type	TH12PW-NH

Connector No.	RT1
Connector Name	WIRE TO WIRE
Connector Type	TH12MW-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
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Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	
2	SHIELD	
3	L	
4	BR	(With automatic drive positioner)
5	W	(Without automatic drive positioner)
6	GR	
7	GR	
8	W	
9	B	
10	Y	
11	V	
12	BR	
13	R	
14	W	
15	SHIELD	
16	B	
17	B	
18	B	
19	Y	
20	Y	
21	Y	
22	Y	
23	Y	
24	Y	
25	Y	
26	Y	
27	Y	
28	Y	
29	Y	
30	Y	
31	Y	
32	Y	
33	Y	
34	Y	
35	Y	
36	Y	
37	Y	
38	Y	
39	Y	
40	Y	
41	Y	
42	Y	
43	Y	
44	Y	
45	Y	
46	Y	
47	Y	
48	Y	
49	Y	
50	Y	
51	Y	
52	Y	
53	Y	
54	Y	
55	Y	
56	Y	
57	Y	
58	Y	
59	Y	
60	Y	
61	Y	
62	Y	
63	Y	
64	Y	
65	Y	
66	Y	
67	Y	
68	Y	
69	Y	
70	Y	
71	Y	
72	Y	
73	Y	
74	Y	
75	Y	
76	Y	
77	Y	
78	Y	
79	Y	
80	Y	
81	Y	
82	Y	
83	Y	
84	Y	
85	Y	
86	Y	
87	Y	
88	Y	
89	Y	
90	Y	
91	Y	
92	Y	
93	Y	
94	Y	
95	Y	
96	Y	
97	Y	
98	Y	
99	Y	
100	Y	

Connector No.	RT1
Connector Name	WIRE TO WIRE
Connector Type	TH12MW-NH

Connector No.	RT1
Connector Name	WIRE TO WIRE
Connector Type	TH12MW-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
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Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	
2	SHIELD	
3	L	
4	BR	(With automatic drive positioner)
5	W	(Without automatic drive positioner)
6	GR	
7	GR	
8	W	
9	B	
10	Y	
11	V	
12	BR	
13	R	
14	W	
15	SHIELD	
16	B	
17	B	
18	B	
19	Y	
20	Y	
21	Y	
22	Y	
23	Y	
24	Y	
25	Y	
26	Y	
27	Y	
28	Y	
29	Y	
30	Y	
31	Y	
32	Y	
33	Y	
34	Y	
35	Y	
36	Y	
37	Y	
38	Y	
39	Y	
40	Y	
41	Y	
42	Y	
43	Y	
44	Y	
45	Y	
46	Y	
47	Y	
48	Y	
49	Y	
50	Y	
51	Y	
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81	Y	
82	Y	
83	Y	
84	Y	
85	Y	
86	Y	
87	Y	
88	Y	
89	Y	
90	Y	
91	Y	
92	Y	
93	Y	
94	Y	
95	Y	
96	Y	
97	Y	
98	Y	
99	Y	
100	Y	

Connector No.	RT1
Connector Name	WIRE TO WIRE
Connector Type	TH12PW-NH

Connector No.	RT1
Connector Name	WIRE TO WIRE
Connector Type	TH12MW-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
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Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	
2	SHIELD	
3	L	
4	BR	(With automatic drive positioner)
5	W	(Without automatic drive positioner)
6	GR	
7	GR	
8	W	
9	B	
10	Y	
11	V	
12	BR	
13	R	
14	W	
15	SHIELD	
16	B	
17	B	
18	B	
19	Y	
20	Y	
21	Y	
22	Y	
23	Y	
24	Y	
25	Y	
26	Y	
27	Y	
28		

INTERIOR ROOM LAMP CONTROL SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

INTERIOR ROOM LAMP CONTROL SYSTEM

Connector No.	REL2
Connector Name	VANITY MIRROR LAMP LH
Connector Type	MGAD2FW



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

Connector No.	REL3
Connector Name	VANITY MIRROR LAMP RH
Connector Type	MGAD2FW



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

A

B

C

D

E

F

G

H

I

J

K

INL

M

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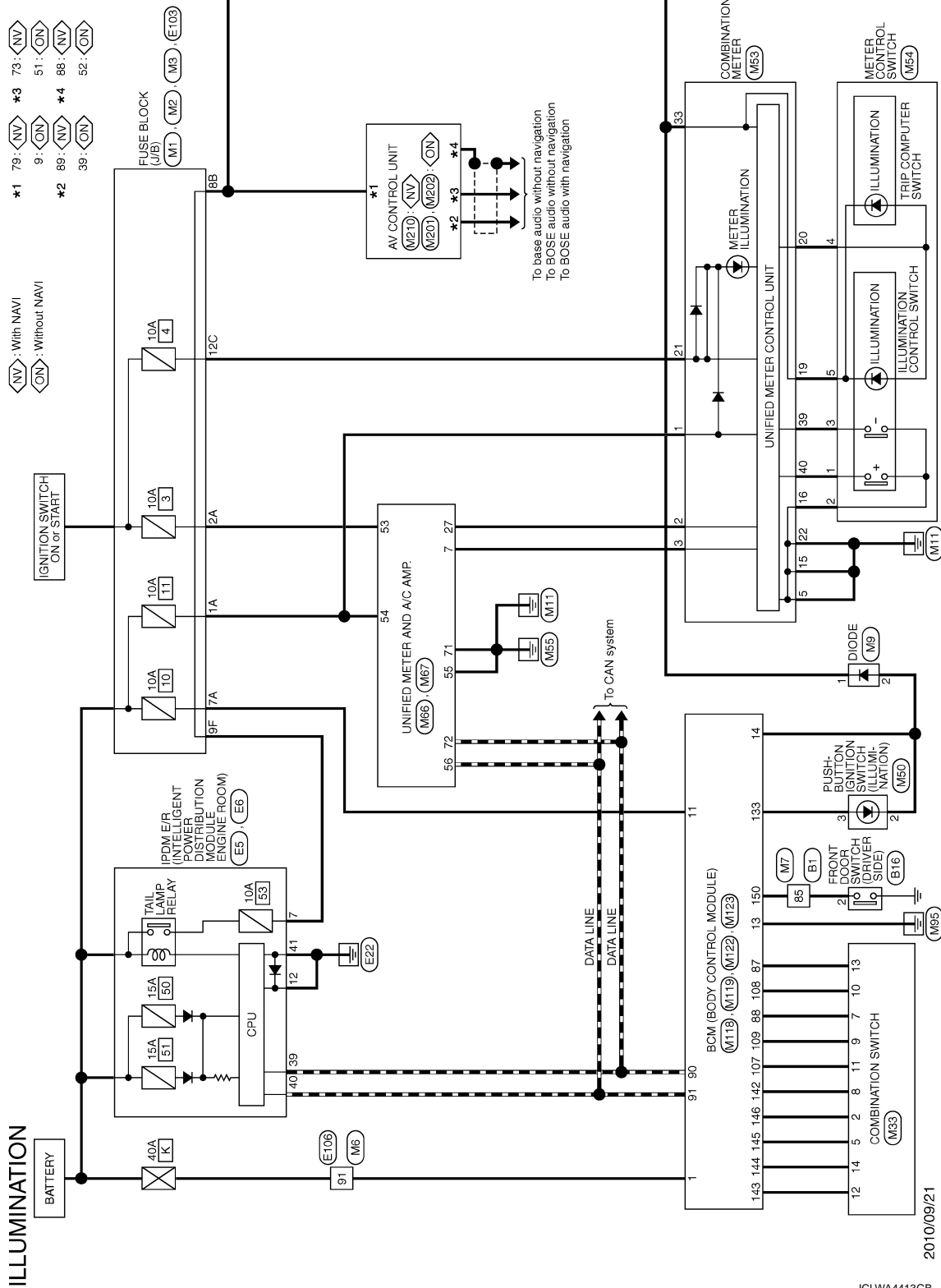
ILLUMINATION

< DTC/CIRCUIT DIAGNOSIS >

ILLUMINATION

Wiring Diagram - ILLUMINATION -

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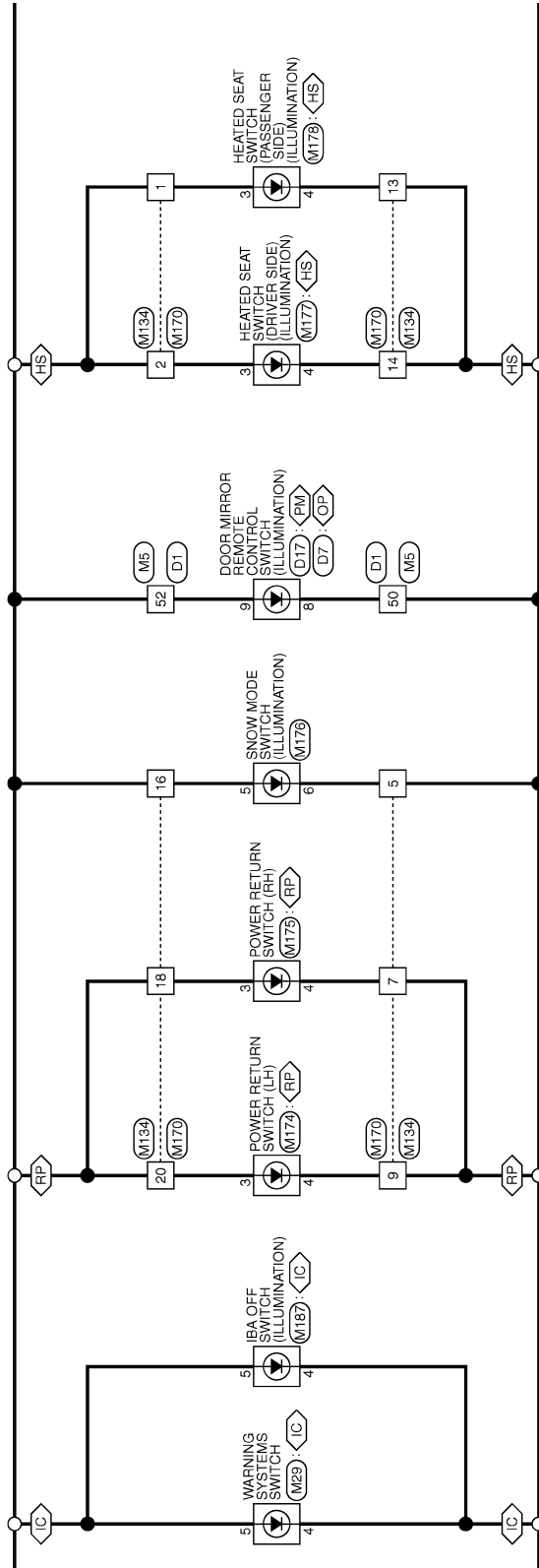
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ILLUMINATION

< DTC/CIRCUIT DIAGNOSIS >

- ◊IC◊ : With ICC
- ◊FM◊ : With automatic drive positioner
- ◊OP◊ : Without automatic drive positioner
- ◊RP◊ : With rear seatback power return system
- ◊HS◊ : With heated seat



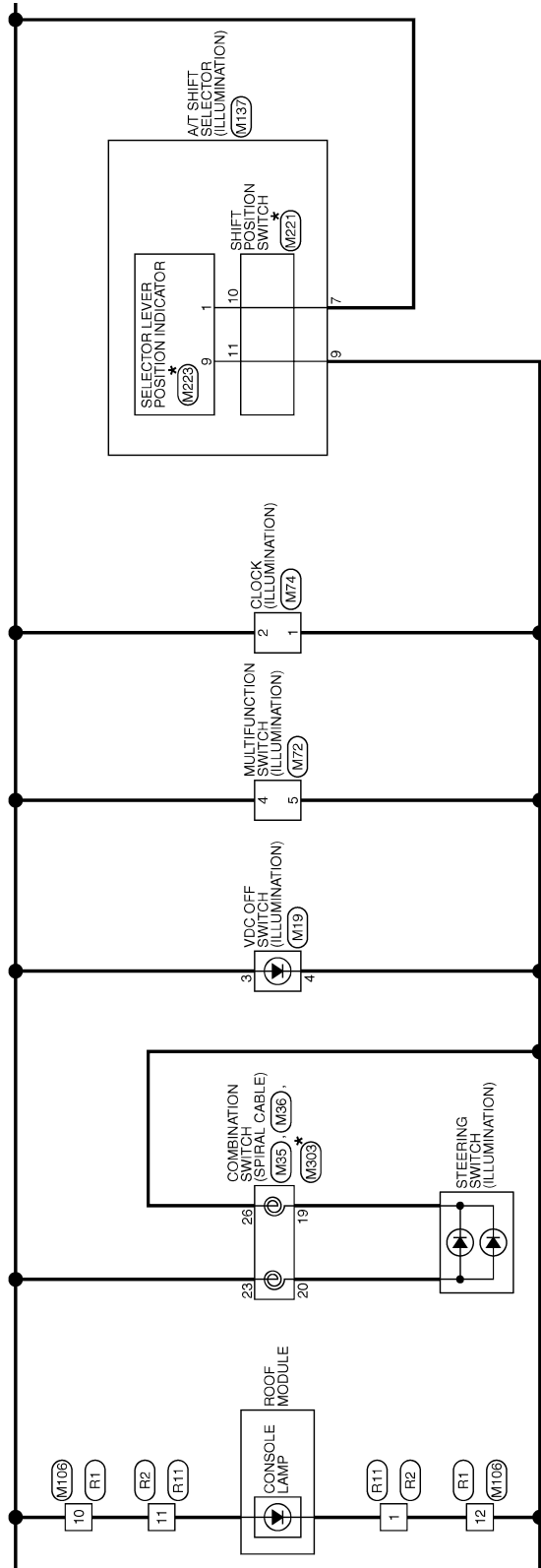
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ILLUMINATION

< DTC/CIRCUIT DIAGNOSIS >

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



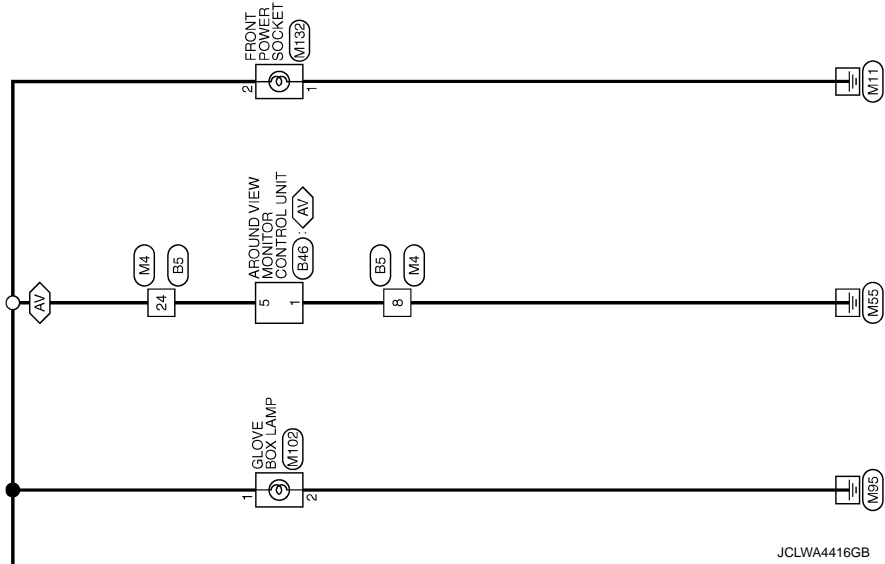
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ILLUMINATION

< DTC/CIRCUIT DIAGNOSIS >

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AV: With around view monitor



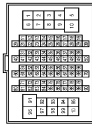
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ILLUMINATION

< DTC/CIRCUIT DIAGNOSIS >

ILLUMINATION

Connector No.	B1
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-6316-TM4



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

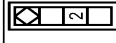
Terminal No.	Color Of Wire	Signal Name [Specification]
60	P	-
61	L	-
62	SHIELD	-
63	R	-
64	G	-
65	SHIELD	-
66	W	-
67	V	-
68	SB	-
69	SHIELD	-
70	W	-
73	SB	-
74	L	-
75	W	-
76	BR	-
77	R	-
78	P	-
79	GR	-
83	SB	-
85	W	-
88	LG	-
89	Y	-
90	R	-
91	G	-
92	BR	-
93	G	-
94	SB	-
95	G	-
96	Y	-
98	W	-
99	GR	-

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



Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG	-
2	SB	-
3	Y	-
4	R	-
5	W	-
9	G	-
8	G	-
14	SB	-
15	GR	-
16	P	-
21	G	-
22	B	-
23	SHIELD	-
24	BG	-
25	BR	-
26	Y	-
27	W	-
28	R	-
29	L	-
30	SHIELD	-
31	Y	-

Connector No.	B16
Connector Name	FRONT DOORS SWITCH (DRIVER SIDE)
Connector Type	AD3FW



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

Connector No.	B46
Connector Name	AROUND VIEW MONITOR CONTROL UNIT
Connector Type	TH40FW-NH

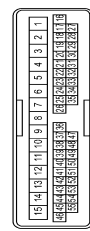


Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	GROUND
2	Y	BATTERY
3	P	IGNITION SIGNAL
4	GR	ACC
5	BG	ILLUMINATION SIGNAL
6	SB	VEHICLE SPEED SIGNAL (8-PULSE)
7	V	REVERSE SIGNAL
9	V	CONTROL SIGNAL
13	B	CONTROL SIGNAL
17	SB	AV COMM (H)
18	LG	AV COMM (L)
21	SB	AV COMM (H)
22	LG	AV COMM (L)
23	LG	AUXILIARY INPARED LEFT (+)
24	G	AUXILIARY INPARED LEFT (-)
27	W	CHASSIS IMPACT SIGNAL
28	SHIELD	CHASSIS IMPACT SIGNAL
29	Y	SIDE CAMERA W/ INPADE SIGNAL

ILLUMINATION

Terminal No.	Color of Wire	Signal Name [Specification]
30	G	SHIELD
31	SHIELD	SHIELD
32	B	SHIELD
33	W	SHIELD
34	R	SHIELD
35	L	SHIELD
36	BR	SHIELD
37	SHIELD	SHIELD
38	R	SHIELD
39	Y	SHIELD
40	W	SHIELD

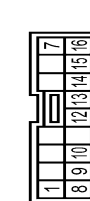
Terminal No.	Color of Wire	Signal Name [Specification]
D1		
WIRE TO WIRE		
TH40FW-CS15		



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

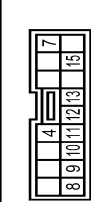
Terminal No.	Color of Wire	Signal Name [Specification]
24	V	
25	GR	
26	Y	
27	B	
28	B	
29	LG	
30	G	
31	W	
32	G	
33	L	
34	SR	
35	R	
36	LG	
37	R	
38	P	
39	O	
40	BR	
41	L	
42	GR	
43	BR	
44	O	
45	G	
46	Y	
47	G	
48	V	
49	GR	
50	B	
52	R	
53	SR	
54	O	
55	Y	

Terminal No.	Color of Wire	Signal Name [Specification]
D7		
DOOR MIRROR REMOTE CONTROL SWITCH		
TKL6FW		



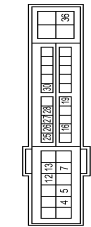
Terminal No.	Color of Wire	Signal Name [Specification]
1	B	
7	V	
8	B	
9	R	
10	G	
12	G	
13	GR	
14	P	
15	O	
16	O	

Terminal No.	Color of Wire	Signal Name [Specification]
D17		
DOOR MIRROR REMOTE CONTROL SWITCH		
TKL6FBR		



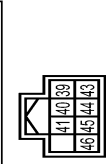
Terminal No.	Color of Wire	Signal Name [Specification]
4	BR	
7	B	
8	B	
9	R	
10	GR	
11	LG	
12	G	
13	W	
15	Y	

Connector No.	Color of Wire	Signal Name [Specification]
E5		
POWER DISTRIBUTION MODULE (ENGINE ROOM)		
TH20FW-CS17-M4-1V		



Terminal No.	Color of Wire	Signal Name [Specification]
4	V	
5	L	
7	R	
12	B/W	
13	Y	
15	LG	
19	W	
22	S	
27	RG	
28	P	
30	GR	
36	G	

Connector No.	Color of Wire	Signal Name [Specification]
E6		
POWER DISTRIBUTION MODULE (ENGINE ROOM)		
TH08FW-NH		



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

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ILLUMINATION

< DTC/CIRCUIT DIAGNOSIS >

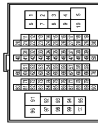
ILLUMINATION

Connector No.	E103
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS12FW-C5



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

Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	1168PW-C516-TM4

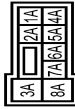


Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	W	-
3	B	-
4	GR	-
5	GR	-
8	Y	-
9	BR	-
10	BG	-
11	SB	-
12	BG	-
13	L	-
14	R	-
15	P	-
16	V	-

17	SB	-	-	-	-
18	V	-	-	-	-
20	BG	-	-	-	-
21	L	-	-	-	-
22	V	-	-	-	-
23	G	-	-	-	-
24	P	-	-	-	-
25	Y	-	-	-	-
26	V	-	-	-	-
27	W	-	-	-	-
28	G	-	-	-	-
31	BG	-	-	-	-
32	W	-	-	-	-
33	B	-	-	-	-
34	R	-	-	-	-
35	G	-	-	-	-
36	SHIELD	-	-	-	-
37	V	-	-	-	-
38	BR	-	-	-	-
39	BG	-	-	-	-
41	G	-	-	-	-
42	G	-	-	-	-
43	BR	-	-	-	-
45	W	-	-	-	-
49	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	R	-	-	-	-
72	Y	-	-	-	-
73	B	-	-	-	-
74	BR	-	-	-	-
74	L	-	-	-	-
74	L	-	-	-	-
75	G	-	-	-	-
76	W	-	-	-	-
76	Y	-	-	-	-

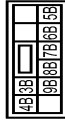
77	P	-	-	-	-
77	R	-	-	-	-
78	BR	-	-	-	-
78	L	-	-	-	-
79	L	-	-	-	-
79	Y	-	-	-	-
80	SB	-	-	-	-
81	R	-	-	-	-
82	SB	-	-	-	-
83	BG	-	-	-	-
84	G	-	-	-	-
85	L	-	-	-	-
86	P	-	-	-	-
87	V	-	-	-	-
89	GR	-	-	-	-
90	SHIELD	-	-	-	-
91	W	-	-	-	-
92	Y	-	-	-	-
93	L	-	-	-	-
94	LG	-	-	-	-
94	BG	-	-	-	-
96	G	-	-	-	-
97	R	-	-	-	-
98	SHIELD	-	-	-	-
99	L	-	-	-	-
100	P	-	-	-	-

Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS26FW-4Z



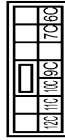
Terminal No.	Color Of Wire	Signal Name [Specification]
1A	GR	-
2A	G	-
3A	L	-
4A	P	-
5A	V	-
6A	R	-
7A	L	-
8A	L	-

Connector No.	M2
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS12FW-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	NS12FW-C5



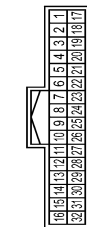
Terminal No.	Color Of Wire	Signal Name [Specification]
10C	L	-
11C	R	-
12C	BG	-
6C	R	-
7C	B	-
8C	BG	-

ILLUMINATION

< DTC/CIRCUIT DIAGNOSIS >

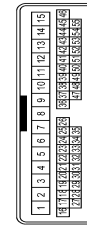
ILLUMINATION

Connector No.	IM4
Connector Name	WIRE TO WIRE
Connector Type	TH32FW-NH



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

Connector No.	IM5
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	
5	L	
6	R	
7	R	
8	W	
9	G	
10	G	
11	G	
12	V	
13	B	
14	Y	
15	W	
16	R	
17	B	
18	G	
19	Y	
20	L	
21	LG	
22	L	
23	G	
24	Y	
25	GR	
26	R	
27	W	
28	SHIELD	
29	Y	
30	Y	
31	R	
32	BR	
33	SB	
34	V	
35	P	
36	Y	
37	R	
38	LG	

37	BR	
38	P	
39	BG	
40	SB	
41	L	
42	R	
43	BR	
44	V	
45	G	
46	SB	
49	P	
50	B	
52	R	
53	V	
54	LG	
55	SB	

Connector No.	IM6
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-IM4



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

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

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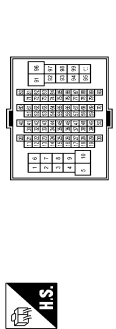
ILLUMINATION

< DTC/CIRCUIT DIAGNOSIS >

ILLUMINATION

Terminal No.	Color of Wire	Signal Name [Specification]
79	W	- [Without ICC]
79	Y	- [With ICC]
80	S8	SHIELD
81	S8	-
82	S8	-
83	V	-
84	G	-
85	L	-
86	P	-
87	W	-
89	GR	-
90	SHIELD	-
91	W	-
92	Y	-
93	BR	-
94	P	-
95	GR	-
96	W	-
97	SHIELD	-
98	SHIELD	-
200	S8	-

Connector No.	Color of Wire	Signal Name [Specification]
M7	-	-
WIRE TO WIRE	-	-
1H80MAW.CS16.TM4	-	-



Terminal No.	Color of Wire	Signal Name [Specification]
3	S8	- [With automatic drive positioner]
3	W	- [Without automatic drive positioner]
5	G	-
6	B6	-
7	W	-
8	B	-
12	S8	-
13	LG	-
14	L	-
17	V	-
18	S8	-

Terminal No.	Color of Wire	Signal Name [Specification]
19	LG	-
20	BR	-
21	SHIELD	-
22	Y	-
24	V	-
27	B	-
28	W	-
29	R	-
30	SHIELD	-
31	L	-
32	P	-
33	S8	-
34	L	-
35	P	-
36	L	-
37	P	-
38	BR	-
39	Y	-
44	G	-
45	LG	-
46	S8	-
49	V	-
50	R	-
60	P	-
61	L	-
62	SHIELD	-
63	R	-
64	G	-
65	SHIELD	-
66	S8	-
67	V	-
68	LG	-
69	SHIELD	-
70	W	-
73	G	-
74	R	-
75	W	-
76	W	-
77	B	-
78	P	-
79	GR	-
83	B6	-
85	LG	-
86	R	-
87	V	-
88	W	-
89	BR	-
90	LG	-
91	G	-

Terminal No.	Color of Wire	Signal Name [Specification]
92	V	-
93	BR	-
94	V	-
95	G	-
96	W	-
96	W	-
95	R	-

Connector No.	Color of Wire	Signal Name [Specification]
M9	-	-
DIODE	-	-
24335.C9900	-	-



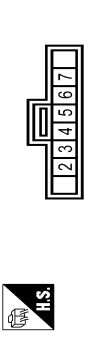
Terminal No.	Color of Wire	Signal Name [Specification]
1	R	-
2	W	-

Connector No.	Color of Wire	Signal Name [Specification]
M19	-	-
VDC OFF SWITCH	-	-
TK08FFY	-	-



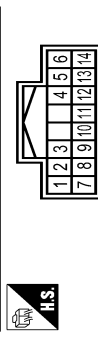
Terminal No.	Color of Wire	Signal Name [Specification]
1	LG	-
2	B	-
3	R	-
4	W	-

Connector No.	Color of Wire	Signal Name [Specification]
M29	-	-
WARNING SYSTEMS SWITCH	-	-
TK08FFY	-	-



Terminal No.	Color of Wire	Signal Name [Specification]
2	S8	-
3	W	-
4	B	-
5	R	-
6	B	-
7	V	-

Connector No.	Color of Wire	Signal Name [Specification]
M33	-	-
COMBINATION SWITCH	-	-
1H16PW.NH	-	-



Terminal No.	Color of Wire	Signal Name [Specification]
1	P	FR WASHER L
2	S8	OUTPUT 4
3	GR	FR WASHER R
4	G	IGN
5	L	OUTPUT 3
6	B	GROUND
7	V	INPUT 3
8	B6	OUTPUT 5
9	Y	INPUT 2
10	R	INPUT 4
11	LG	INPUT 1
12	W	OUTPUT 1
13	BR	OUTPUT 2
14	G	OUTPUT 2

ILLUMINATION

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ILLUMINATION

Connector No.	M35
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TK08FY-EX-1V



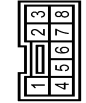
Terminal No.	Color Of Wire	Signal Name [Specification]
23	R	-
28	Y	-
29	Y	-
30	Y	-

Connector No.	M36
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TK08F5V-1V



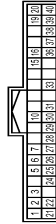
Terminal No.	Color Of Wire	Signal Name [Specification]
24	P	-
25	S8	-
26	B	-
31	L	-
32	Y	-
33	B	-
34	G	-

Connector No.	M60
Connector Name	PUSH-BUTTON IGNITION SWITCH
Connector Type	TK08FR



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

Connector No.	M53
Connector Name	COMBINATION METER
Connector Type	TH40FW-WH



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	BS	IGNITOR SIGNAL

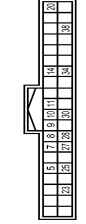
Terminal No.	Color Of Wire	Signal Name [Specification]
22	B	GROUND
24	BR	COMMUNICATION SIGNAL (LCD->AMP.)
25	Y	COMMUNICATION SIGNAL (AMP->LCD)
26	R	VEHICLE SPEED SIGNAL (8 PULSE)
27	V	PARKING BRAKE SWITCH SIGNAL
28	W	BRAKE FLUID LEVEL SWITCH SIGNAL
29	S8	SEAT BELT BUCKLE SWITCH SIGNAL (DRIVER SIDE)
30	G	SEAT BELT BUCKLE SWITCH SIGNAL (PASSENGER SIDE)
31	L	WASHERLEVEL SWITCH SIGNAL
33	B	ILLUMINATION CONTROL SIGNAL
36	LG	SELECT SWITCH SIGNAL
37	S8	ENTER SWITCH SIGNAL
38	L	TRIP/AIR RESET SWITCH SIGNAL
39	P	ILLUMINATION CONTROL SWITCH SIGNAL (-)
40	BS	ILLUMINATION CONTROL SWITCH SIGNAL (+)

Connector No.	M54
Connector Name	METER CONTROL SWITCH
Connector Type	TH12FW-WH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	BG	-
2	B	-
3	P	-
4	R	-
5	B	-
6	LG	-
7	S8	-

Connector No.	M66
Connector Name	UNIFIED METER AND A/C-AMP.
Connector Type	TH40FW-WH



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	S8	SEAT BELT BUCKLE SWITCH SIGNAL (DRIVER SIDE)
10	W	MANUAL MODE SIGNAL
11	G	NON-MANUAL MODE SIGNAL
14	BR	COMMUNICATION SIGNAL (LCD->AMP)
22	Y	VEHICLE SPEED SIGNAL
23	Y	A/C POWER SUPPLY
25	V	MANUAL MODE SHIFT DOWN SIGNAL
27	LG	COMMUNICATION SIGNAL (METER->AMP.)
28	R	VEHICLE SPEED SIGNAL (8 PULSE)
30	V	PARKING BRAKE SWITCH SIGNAL
34	Y	COMMUNICATION SIGNAL (AMP->LCD)
38	P	BLOWER MOTOR CONTROL SIGNAL

Connector No.	M67
Connector Name	UNIFIED METER AND A/C-AMP.
Connector Type	TH12FW-WH



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

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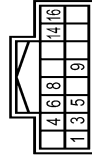
ILLUMINATION

< DTC/CIRCUIT DIAGNOSIS >

ILLUMINATION

Terminal No.	Color of Wire	Signal Name [Specification]
46	BG	SUNLOAD SENSOR SIGNAL
47	G	EVAPORATOR GAS / OUTSIDE AIR FLOW DETECTING SENSOR SIGNAL
53	G	IGNITION POWER SUPPLY
54	Y	BATTERY POWER SUPPLY
55	B	GROUND
56	L	CAN-H
57	W	BRAKE FLUID LEVEL SWITCH SIGNAL
58	BR	FUEL LEVEL SENSOR GROUND
59	GR	INTAKE SENSOR GROUND
60	L	IN-VEHICLE SENSOR GROUND
61	BR	AMBIENT SENSOR GROUND
62	SB	SUNLOAD SENSOR GROUND
63	R	-
65	BG	ECV SIGNAL
69	L	A/C CLAS SIGNAL
70	R	EACH DOOR MOTOR POWER SUPPLY
71	B	GROUND
72	P	CAN-L

Terminal No.	Color of Wire	Signal Name [Specification]
56	L	CAN-H
57	W	BRAKE FLUID LEVEL SWITCH SIGNAL
58	BR	FUEL LEVEL SENSOR GROUND
59	GR	INTAKE SENSOR GROUND
60	L	IN-VEHICLE SENSOR GROUND
61	BR	AMBIENT SENSOR GROUND
62	SB	SUNLOAD SENSOR GROUND
63	R	-
65	BG	ECV SIGNAL
69	L	A/C CLAS SIGNAL
70	R	EACH DOOR MOTOR POWER SUPPLY
71	B	GROUND
72	P	CAN-L



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



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



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	INTERIOR ROOM LAMP POWER SUPPLY
2	LG	PASSENGER DOOR UNLOCK OUTPUT
3	Y	STEP LAMP CONT
4	W	ALL DOOR FUEL LID LOCK OUTPUT
5	BR	DRIVER DOOR UNLOCK OUTPUT
6	R	BEAR DOOR UNLOCK OUTPUT
7	B	BAT (FUSE)
8	W	GROUND
9	W	PUSH-BUTTON IGNITION SW ILL GND
10	Y	ACC I/D
11	Y	TURN SIGNAL RH [FRONT]
12	R	TURN SIGNAL LH [FRONT]
13	LG	INTERIOR ROOM LAMP POWER SUPPLY
14	Y	PASSENGER DOOR UNLOCK OUTPUT
15	W	STEP LAMP CONT
16	W	ALL DOOR FUEL LID LOCK OUTPUT
17	BR	DRIVER DOOR UNLOCK OUTPUT
18	R	BEAR DOOR UNLOCK OUTPUT
19	B	BAT (FUSE)
20	W	GROUND
21	W	PUSH-BUTTON IGNITION SW ILL GND
22	Y	ACC I/D
23	Y	TURN SIGNAL RH [FRONT]
24	R	TURN SIGNAL LH [FRONT]
25	LG	INTERIOR ROOM LAMP POWER SUPPLY
26	Y	PASSENGER DOOR UNLOCK OUTPUT
27	W	STEP LAMP CONT
28	W	ALL DOOR FUEL LID LOCK OUTPUT
29	BR	DRIVER DOOR UNLOCK OUTPUT
30	R	BEAR DOOR UNLOCK OUTPUT
31	B	BAT (FUSE)
32	W	GROUND
33	W	PUSH-BUTTON IGNITION SW ILL GND
34	Y	ACC I/D
35	Y	TURN SIGNAL RH [FRONT]
36	R	TURN SIGNAL LH [FRONT]
37	LG	INTERIOR ROOM LAMP POWER SUPPLY
38	Y	PASSENGER DOOR UNLOCK OUTPUT
39	W	STEP LAMP CONT
40	W	ALL DOOR FUEL LID LOCK OUTPUT
41	BR	DRIVER DOOR UNLOCK OUTPUT
42	R	BEAR DOOR UNLOCK OUTPUT
43	B	BAT (FUSE)
44	W	GROUND
45	W	PUSH-BUTTON IGNITION SW ILL GND
46	Y	ACC I/D
47	Y	TURN SIGNAL RH [FRONT]
48	R	TURN SIGNAL LH [FRONT]
49	LG	INTERIOR ROOM LAMP POWER SUPPLY
50	Y	PASSENGER DOOR UNLOCK OUTPUT
51	W	STEP LAMP CONT
52	W	ALL DOOR FUEL LID LOCK OUTPUT
53	BR	DRIVER DOOR UNLOCK OUTPUT
54	R	BEAR DOOR UNLOCK OUTPUT
55	B	BAT (FUSE)
56	W	GROUND
57	W	PUSH-BUTTON IGNITION SW ILL GND
58	Y	ACC I/D
59	Y	TURN SIGNAL RH [FRONT]
60	R	TURN SIGNAL LH [FRONT]
61	LG	INTERIOR ROOM LAMP POWER SUPPLY
62	Y	PASSENGER DOOR UNLOCK OUTPUT
63	W	STEP LAMP CONT
64	W	ALL DOOR FUEL LID LOCK OUTPUT
65	BR	DRIVER DOOR UNLOCK OUTPUT
66	R	BEAR DOOR UNLOCK OUTPUT
67	B	BAT (FUSE)
68	W	GROUND
69	W	PUSH-BUTTON IGNITION SW ILL GND
70	Y	ACC I/D
71	Y	TURN SIGNAL RH [FRONT]
72	R	TURN SIGNAL LH [FRONT]
73	LG	INTERIOR ROOM LAMP POWER SUPPLY
74	Y	PASSENGER DOOR UNLOCK OUTPUT
75	W	STEP LAMP CONT
76	W	ALL DOOR FUEL LID LOCK OUTPUT
77	BR	DRIVER DOOR UNLOCK OUTPUT
78	R	BEAR DOOR UNLOCK OUTPUT
79	B	BAT (FUSE)
80	W	GROUND
81	W	PUSH-BUTTON IGNITION SW ILL GND
82	Y	ACC I/D
83	Y	TURN SIGNAL RH [FRONT]
84	R	TURN SIGNAL LH [FRONT]
85	LG	INTERIOR ROOM LAMP POWER SUPPLY
86	Y	PASSENGER DOOR UNLOCK OUTPUT
87	W	STEP LAMP CONT
88	W	ALL DOOR FUEL LID LOCK OUTPUT
89	BR	DRIVER DOOR UNLOCK OUTPUT
90	R	BEAR DOOR UNLOCK OUTPUT
91	B	BAT (FUSE)
92	W	GROUND
93	W	PUSH-BUTTON IGNITION SW ILL GND
94	Y	ACC I/D
95	Y	TURN SIGNAL RH [FRONT]
96	R	TURN SIGNAL LH [FRONT]
97	LG	INTERIOR ROOM LAMP POWER SUPPLY
98	Y	PASSENGER DOOR UNLOCK OUTPUT
99	W	STEP LAMP CONT
100	W	ALL DOOR FUEL LID LOCK OUTPUT
101	BR	DRIVER DOOR UNLOCK OUTPUT
102	R	BEAR DOOR UNLOCK OUTPUT
103	B	BAT (FUSE)
104	W	GROUND
105	W	PUSH-BUTTON IGNITION SW ILL GND
106	Y	ACC I/D
107	Y	TURN SIGNAL RH [FRONT]
108	R	TURN SIGNAL LH [FRONT]
109	LG	INTERIOR ROOM LAMP POWER SUPPLY
110	Y	PASSENGER DOOR UNLOCK OUTPUT
111	W	STEP LAMP CONT
112	W	ALL DOOR FUEL LID LOCK OUTPUT
113	BR	DRIVER DOOR UNLOCK OUTPUT
114	R	BEAR DOOR UNLOCK OUTPUT
115	B	BAT (FUSE)
116	W	GROUND
117	W	PUSH-BUTTON IGNITION SW ILL GND
118	Y	ACC I/D
119	Y	TURN SIGNAL RH [FRONT]
120	R	TURN SIGNAL LH [FRONT]
121	LG	INTERIOR ROOM LAMP POWER SUPPLY
122	Y	PASSENGER DOOR UNLOCK OUTPUT
123	W	STEP LAMP CONT
124	W	ALL DOOR FUEL LID LOCK OUTPUT
125	BR	DRIVER DOOR UNLOCK OUTPUT
126	R	BEAR DOOR UNLOCK OUTPUT
127	B	BAT (FUSE)
128	W	GROUND
129	W	PUSH-BUTTON IGNITION SW ILL GND
130	Y	ACC I/D
131	Y	TURN SIGNAL RH [FRONT]
132	R	TURN SIGNAL LH [FRONT]
133	LG	INTERIOR ROOM LAMP POWER SUPPLY
134	Y	PASSENGER DOOR UNLOCK OUTPUT
135	W	STEP LAMP CONT
136	W	ALL DOOR FUEL LID LOCK OUTPUT
137	BR	DRIVER DOOR UNLOCK OUTPUT
138	R	BEAR DOOR UNLOCK OUTPUT
139	B	BAT (FUSE)
140	W	GROUND
141	W	PUSH-BUTTON IGNITION SW ILL GND
142	Y	ACC I/D
143	Y	TURN SIGNAL RH [FRONT]
144	R	TURN SIGNAL LH [FRONT]
145	LG	INTERIOR ROOM LAMP POWER SUPPLY
146	Y	PASSENGER DOOR UNLOCK OUTPUT
147	W	STEP LAMP CONT
148	W	ALL DOOR FUEL LID LOCK OUTPUT
149	BR	DRIVER DOOR UNLOCK OUTPUT
150	R	BEAR DOOR UNLOCK OUTPUT
151	B	BAT (FUSE)
152	W	GROUND
153	W	PUSH-BUTTON IGNITION SW ILL GND
154	Y	ACC I/D
155	Y	TURN SIGNAL RH [FRONT]
156	R	TURN SIGNAL LH [FRONT]
157	LG	INTERIOR ROOM LAMP POWER SUPPLY
158	Y	PASSENGER DOOR UNLOCK OUTPUT
159	W	STEP LAMP CONT
160	W	ALL DOOR FUEL LID LOCK OUTPUT
161	BR	DRIVER DOOR UNLOCK OUTPUT
162	R	BEAR DOOR UNLOCK OUTPUT
163	B	BAT (FUSE)
164	W	GROUND
165	W	PUSH-BUTTON IGNITION SW ILL GND
166	Y	ACC I/D
167	Y	TURN SIGNAL RH [FRONT]
168	R	TURN SIGNAL LH [FRONT]
169	LG	INTERIOR ROOM LAMP POWER SUPPLY
170	Y	PASSENGER DOOR UNLOCK OUTPUT
171	W	STEP LAMP CONT
172	W	ALL DOOR FUEL LID LOCK OUTPUT
173	BR	DRIVER DOOR UNLOCK OUTPUT
174	R	BEAR DOOR UNLOCK OUTPUT
175	B	BAT (FUSE)
176	W	GROUND
177	W	PUSH-BUTTON IGNITION SW ILL GND
178	Y	ACC I/D
179	Y	TURN SIGNAL RH [FRONT]
180	R	TURN SIGNAL LH [FRONT]
181	LG	INTERIOR ROOM LAMP POWER SUPPLY
182	Y	PASSENGER DOOR UNLOCK OUTPUT
183	W	STEP LAMP CONT
184	W	ALL DOOR FUEL LID LOCK OUTPUT
185	BR	DRIVER DOOR UNLOCK OUTPUT
186	R	BEAR DOOR UNLOCK OUTPUT
187	B	BAT (FUSE)
188	W	GROUND
189	W	PUSH-BUTTON IGNITION SW ILL GND
190	Y	ACC I/D
191	Y	TURN SIGNAL RH [FRONT]
192	R	TURN SIGNAL LH [FRONT]
193	LG	INTERIOR ROOM LAMP POWER SUPPLY
194	Y	PASSENGER DOOR UNLOCK OUTPUT
195	W	STEP LAMP CONT
196	W	ALL DOOR FUEL LID LOCK OUTPUT
197	BR	DRIVER DOOR UNLOCK OUTPUT
198	R	BEAR DOOR UNLOCK OUTPUT
199	B	BAT (FUSE)
200	W	GROUND
201	W	PUSH-BUTTON IGNITION SW ILL GND
202	Y	ACC I/D
203	Y	TURN SIGNAL RH [FRONT]
204	R	TURN SIGNAL LH [FRONT]
205	LG	INTERIOR ROOM LAMP POWER SUPPLY
206	Y	PASSENGER DOOR UNLOCK OUTPUT
207	W	STEP LAMP CONT
208	W	ALL DOOR FUEL LID LOCK OUTPUT
209	BR	DRIVER DOOR UNLOCK OUTPUT
210	R	BEAR DOOR UNLOCK OUTPUT
211	B	BAT (FUSE)
212	W	GROUND
213	W	PUSH-BUTTON IGNITION SW ILL GND
214	Y	ACC I/D
215	Y	TURN SIGNAL RH [FRONT]
216	R	TURN SIGNAL LH [FRONT]
217	LG	INTERIOR ROOM LAMP POWER SUPPLY
218	Y	PASSENGER DOOR UNLOCK OUTPUT
219	W	STEP LAMP CONT
220	W	ALL DOOR FUEL LID LOCK OUTPUT
221	BR	DRIVER DOOR UNLOCK OUTPUT
222	R	BEAR DOOR UNLOCK OUTPUT
223	B	BAT (FUSE)
224	W	GROUND
225	W	PUSH-BUTTON IGNITION SW ILL GND
226	Y	ACC I/D
227	Y	TURN SIGNAL RH [FRONT]
228	R	TURN SIGNAL LH [FRONT]
229	LG	INTERIOR ROOM LAMP POWER SUPPLY
230	Y	PASSENGER DOOR UNLOCK OUTPUT
231	W	STEP LAMP CONT
232	W	ALL DOOR FUEL LID LOCK OUTPUT
233	BR	DRIVER DOOR UNLOCK OUTPUT
234	R	BEAR DOOR UNLOCK OUTPUT
235	B	BAT (FUSE)
236	W	GROUND
237	W	PUSH-BUTTON IGNITION SW ILL GND
238	Y	ACC I/D
239	Y	TURN SIGNAL RH [FRONT]
240	R	TURN SIGNAL LH [FRONT]
241	LG	INTERIOR ROOM LAMP POWER SUPPLY
242	Y	PASSENGER DOOR UNLOCK OUTPUT
243	W	STEP LAMP CONT
244	W	ALL DOOR FUEL LID LOCK OUTPUT
245	BR	DRIVER DOOR UNLOCK OUTPUT
246	R	BEAR DOOR UNLOCK OUTPUT
247	B	BAT (FUSE)
248	W	GROUND
249	W	PUSH-BUTTON IGNITION SW ILL GND
250	Y	ACC I/D
251	Y	TURN SIGNAL RH [FRONT]
252	R	TURN SIGNAL LH [FRONT]
253	LG	INTERIOR ROOM LAMP POWER SUPPLY
254	Y	PASSENGER DOOR UNLOCK OUTPUT
255	W	STEP LAMP CONT
256	W	ALL DOOR FUEL LID LOCK OUTPUT
257	BR	DRIVER DOOR UNLOCK OUTPUT
258	R	BEAR DOOR UNLOCK OUTPUT
259	B	BAT (FUSE)
260	W	GROUND
261	W	PUSH-BUTTON IGNITION SW ILL GND
262	Y	ACC I/D
263	Y	TURN SIGNAL RH [FRONT]
264	R	TURN SIGNAL LH [FRONT]
265	LG	INTERIOR ROOM LAMP POWER SUPPLY
266	Y	PASSENGER DOOR UNLOCK OUTPUT
267	W	STEP LAMP CONT
268	W	ALL DOOR FUEL LID LOCK OUTPUT
269	BR	DRIVER DOOR UNLOCK OUTPUT
270	R	BEAR DOOR UNLOCK OUTPUT
271	B	BAT (FUSE)
272	W	GROUND
273	W	PUSH-BUTTON IGNITION SW ILL GND
274	Y	ACC I/D
275	Y	TURN SIGNAL RH [FRONT]
276	R	TURN SIGNAL LH [FRONT]
277	LG	INTERIOR ROOM LAMP POWER SUPPLY
278	Y	PASSENGER DOOR UNLOCK OUTPUT
279	W	STEP LAMP CONT
280	W	ALL DOOR FUEL LID LOCK OUTPUT
281	BR	DRIVER DOOR UNLOCK OUTPUT
282	R	BEAR DOOR UNLOCK OUTPUT
283	B	BAT (FUSE)
284	W	GROUND
285	W	PUSH-BUTTON IGNITION SW ILL GND
286	Y	ACC I/D
287	Y	TURN SIGNAL RH [FRONT]
288	R	TURN SIGNAL LH [FRONT]
289	LG	INTERIOR ROOM LAMP POWER SUPPLY
290	Y	PASSENGER DOOR UNLOCK OUTPUT
291	W	STEP LAMP CONT
292	W	ALL DOOR FUEL LID LOCK OUTPUT
293	BR	DRIVER DOOR UNLOCK OUTPUT
294	R	BEAR DOOR UNLOCK OUTPUT
295	B	BAT (FUSE)
296	W	GROUND
297	W	PUSH-BUTTON IGNITION SW ILL GND
298	Y	ACC I/D
299	Y	TURN SIGNAL RH [FRONT]
300	R	TURN SIGNAL LH [FRONT]
301	LG	INTERIOR ROOM LAMP POWER SUPPLY
302	Y	PASSENGER DOOR UNLOCK OUTPUT
303	W	STEP LAMP CONT
304	W	ALL DOOR FUEL LID LOCK OUTPUT
305	BR	DRIVER DOOR UNLOCK OUTPUT
306	R	BEAR DOOR UNLOCK OUTPUT
307	B	BAT (FUSE)
308	W	GROUND
309	W	PUSH-BUTTON IGNITION SW ILL GND
310	Y	ACC I/D
311	Y	TURN SIGNAL RH [FRONT]
312	R	TURN SIGNAL LH [FRONT]
313	LG	INTERIOR ROOM LAMP POWER SUPPLY
314	Y	PASSENGER DOOR UNLOCK OUTPUT
315	W	STEP LAMP CONT
316	W	ALL DOOR FUEL LID LOCK OUTPUT
317	BR	DRIVER DOOR UNLOCK OUTPUT
318	R	BEAR DOOR UNLOCK OUTPUT
319	B	BAT (FUSE)
320	W	GROUND
321	W	PUSH-BUTTON IGNITION SW ILL GND
322	Y	ACC I/D
323	Y	TURN SIGNAL RH [FRONT]
324	R	TURN SIGNAL LH [FRONT]
325	LG	INTERIOR ROOM LAMP POWER SUPPLY
326	Y	PASSENGER DOOR UNLOCK OUTPUT
327	W	STEP LAMP CONT
328	W	ALL DOOR FUEL LID LOCK OUTPUT
329	BR	DRIVER DOOR UNLOCK OUTPUT
330	R	BEAR DOOR UNLOCK OUTPUT
331	B	BAT (FUSE)
332	W	GROUND
333	W	PUSH-BUTTON IGNITION SW ILL GND
334	Y	ACC I/D
335	Y	TURN SIGNAL RH [FRONT]
336	R	TURN SIGNAL LH [FRONT]
337	LG	INTERIOR ROOM LAMP POWER SUPPLY
338	Y	PASSENGER DOOR UNLOCK OUTPUT
339	W	STEP LAMP CONT
340	W	ALL DOOR FUEL LID LOCK OUTPUT
341	BR	DRIVER DOOR UNLOCK OUTPUT
342	R	BEAR DOOR UNLOCK OUTPUT
343	B	BAT (FUSE)
344	W	GROUND
345	W	PUSH-BUTTON IGNITION SW ILL GND
346	Y	ACC I/D
347	Y	TURN SIGNAL RH [FRONT]
348	R	TURN SIGNAL LH [FRONT]
349	LG	INTERIOR ROOM LAMP POWER SUPPLY
350	Y	PASSENGER DOOR UNLOCK OUTPUT
351	W	STEP LAMP CONT
352	W	ALL DOOR FUEL LID LOCK OUTPUT
353	BR	DRIVER DOOR UNLOCK OUTPUT
354	R	BEAR DOOR UNLOCK OUTPUT

ILLUMINATION

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ILLUMINATION

Connector No.	M122
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FB-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	BR	ROOM ANT1-
79	GR	ROOM ANT1+
80	W	MATS ANT LAMP
81	W	MATS ANT LAMP
82	R	IGN RELAY (F) CONT
83	Y	KEYLESS ENTRY RECEIVER COMM
87	BR	COMBI SW INPUT 5
88	V	COMBI SW INPUT 3
90	P	CAN-L
91	LG	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 4
109	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
122	W	IGN F7/B
124	LG	PASSENGER DOOR SW
132	BR	POWER WINDOW MOTOR SW COMMA
134	GR	PUSH-BUTTON LOCKS SW ILL POWER
137	BG	DOC I/N
138	Y	RECEIVER/SENSOR GND
139	L	RECEIVER/SENSOR POWER SUPPLY
140	GR	TIRE PRESSURE RECEIVER COMM
141	G	SHIFT N/P
142	BG	COMBI SW OUTPUT 5
143	P	COMBI SW OUTPUT 1
144	G	COMBI SW OUTPUT 2
145	L	COMBI SW OUTPUT 3
146	SB	COMBI SW OUTPUT 4
150	LG	DRIVER DOOR SW
151	G	REAR WINDOW DEFROGGER RELAY CONT

Connector No.	M132
Connector Name	FRONT POWER SOCKET
Connector Type	NS03FW-CS



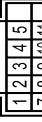
Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	R	-
3	P	-

Connector No.	M134
Connector Name	WIRE TO WIRE
Connector Type	TH24RW-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	-
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.	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	B	-
18	L	-
19	Y	-
20	L	-

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ILLUMINATION

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



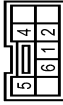
Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	BR	-
3	R	-
4	B	-

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



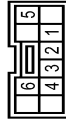
Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	-
2	L	-
3	G	-
4	V	-

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



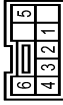
Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	-
2	B	-
4	Y	-
5	P	-
6	SB	-

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	-

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



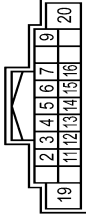
Terminal No.	Color Of Wire	Signal Name [Specification]
1	SB	-
2	GR	-
3	R	-
4	W	-
5	W	-
6	B	-

Connector No.	M187
Connector Name	IBA OFF SWITCH
Connector Type	TK08EGY



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

Connector No.	M201
Connector Name	AV CONTROL UNIT
Connector Type	TH18FW-G32



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

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



Terminal No.	Color Of Wire	Signal Name [Specification]
36	BR	SIGNAL VCC
37	LG	SIGNAL GND
38	R	COM1 (DPS->CNT)
40	B	RGB AREA (YS) SIGNAL

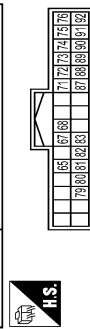
ILLUMINATION

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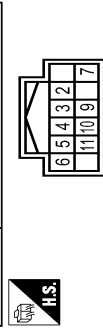
41	SHIELD	SHIELD
42	W	RGR SYNC
43	G	RGB (R-RED) SIGNAL
44	L	RGB (G-GREEN) SIGNAL
45	P	RGB (B-BLUE) SIGNAL
46	V	COMPOSITE IMAGE SIGNAL GND
47	S8	COMPOSITE IMAGE SIGNAL
48	Y	INVERTER VCC
49	BR	INVERTER GND
50	G	VP
51	Y	COMM (CONT->DISP)
52	SHIELD	SHIELD
57	SHIELD	SHIELD
58	SHIELD	SHIELD

Connector No.	M210
Connector Name	AV CONTROL UNIT
Connector Type	TH12FW-NH



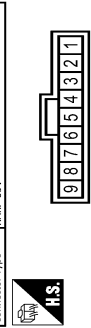
Terminal No.	Color Of Wire	Signal Name [Specification]
65	V	PARKING BRAKE SIGNAL
67	G	COMPOSITE IMAGE SIGNAL GND
68	R	COMPOSITE IMAGE SIGNAL
71	SHIELD	MICROPHONE SHIELD
72	R	MICROPHONE VCC
73	R	COMM (CONT->DISP)
74	P	CAN-L
75	LG	AV COMM (L)
76	LG	AV COMM (L)
79	R	ILLUMINATION
80	G	ILLUMINATION
81	BG	IGNITION SIGNAL
82	R	REVERSE SIGNAL
83	SHIELD	VEHICLE SPEED SIGNAL (8-PULSE) SHIELD
87	G	MICROPHONE SIGNAL
88	SHIELD	SHIELD
89	G	COMM (DISP->CONT)
90	L	CAN-H
91	S8	AV COMM (H)
92	S8	AV COMM (H)

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



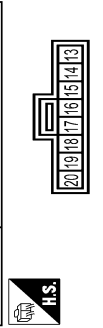
Terminal No.	Color Of Wire	Signal Name [Specification]
2	-	N
3	-	D
4	-	R
5	-	P
6	-	M
7	-	AT
8	-	MT
9	-	ILL
10	-	ILL
11	-	GROUND

Connector No.	M223
Connector Name	SELECTOR LEVER POSITION INDICATOR
Connector Type	MARP-09V



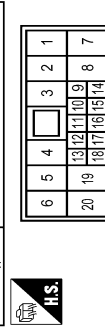
Terminal No.	Color Of Wire	Signal Name [Specification]
1	-	ILL
2	-	MT
3	-	N
4	-	D
5	-	R
6	-	M
7	-	P
8	-	AT
9	-	GROUND

Connector No.	M303
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TK38F-GY



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

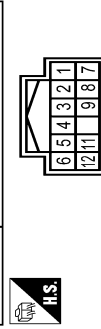
Connector No.	RI
Connector Name	WIRE TO WIRE
Connector Type	INL10PW-CSD3D



Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	-
2	SHIELD	-
3	L	-
4	BR	- [With automatic drive positioner] - [Without automatic drive positioner]
5	G	-
7	BR	-
8	Y	-
9	B	-
10	Y	-
11	Y	-
12	BR	-

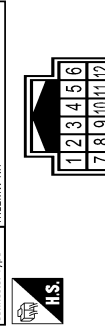
13	R	-
14	W	-
15	SHIELD	-
16	B	-
18	B	-

Connector No.	RI2
Connector Name	WIRE TO WIRE
Connector Type	TH12FW-NH



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

Connector No.	RI1
Connector Name	WIRE TO WIRE
Connector Type	TH12MW-NH



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ILLUMINATION

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ILLUMINATION

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

JRLWE4854GB

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

ECU DIAGNOSIS INFORMATION

BCM (BODY CONTROL MODULE)

Reference Value

INFOID:000000007689872

VALUES ON THE DIAGNOSIS TOOL

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
FR FOG SW	Front fog lamp switch OFF	Off
	Front fog lamp switch ON	On

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Monitor Item	Condition	Value/Status
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
RKE-MODE CHG	LOCK/UNLOCK button of the key is not pressed and held simultaneously	Off
	LOCK/UNLOCK button of the key is pressed and held simultaneously	On

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Monitor Item	Condition	Value/Status	
OPTICAL SENSOR	Bright outside of the vehicle	Close to 5 V	A
	Dark outside of the vehicle	Close to 0 V	
REQ SW -DR	Driver door request switch is not pressed	Off	B
	Driver door request switch is pressed	On	
REQ SW -AS	Passenger door request switch is not pressed	Off	C
	Passenger door request switch is pressed	On	
REQ SW -RR	NOTE: The item is indicated, but not monitored.	Off	D
REQ SW -RL	NOTE: The item is indicated, but not monitored.	Off	D
REQ SW -BD/TR	Back door request switch is not pressed	Off	E
	Back door request switch is pressed	On	
PUSH SW	Push-button ignition switch (push switch) is not pressed	Off	F
	Push-button ignition switch (push switch) is pressed	On	
IGN RLY2 -F/B	NOTE: The item is indicated, but not monitored.	Off	
ACC RLY -F/B	NOTE: The item is indicated, but not monitored.	Off	G
CLUCH SW	NOTE: The item is indicated, but not monitored.	Off	H
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	I
BRAKE SW 2	The brake pedal is not depressed	Off	
	The brake pedal is depressed	On	J
DETE/CANCL SW	Selector lever in P position	Off	
	Selector lever in any position other than P	On	K
SFT PN/N SW	Selector lever in any position other than P and N	Off	
	Selector lever in P or N position	On	
S/L -LOCK	NOTE: The item is indicated, but not monitored.	Off	INL
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	M
UNLK SEN -DR	Driver door is unlocked	Off	
	Driver door is locked	On	N
PUSH SW -IPDM	Push-button ignition switch (push-switch) is not pressed	Off	
	Push-button ignition switch (push-switch) is pressed	On	O
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	P
	Selector lever in P position	On	
SFT PN -IPDM	Selector lever in any position other than P and N	Off	
	Selector lever in P or N position	On	
SFT P -MET	Selector lever in any position other than P	Off	
	Selector lever in P position	On	

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Monitor Item	Condition	Value/Status
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 >

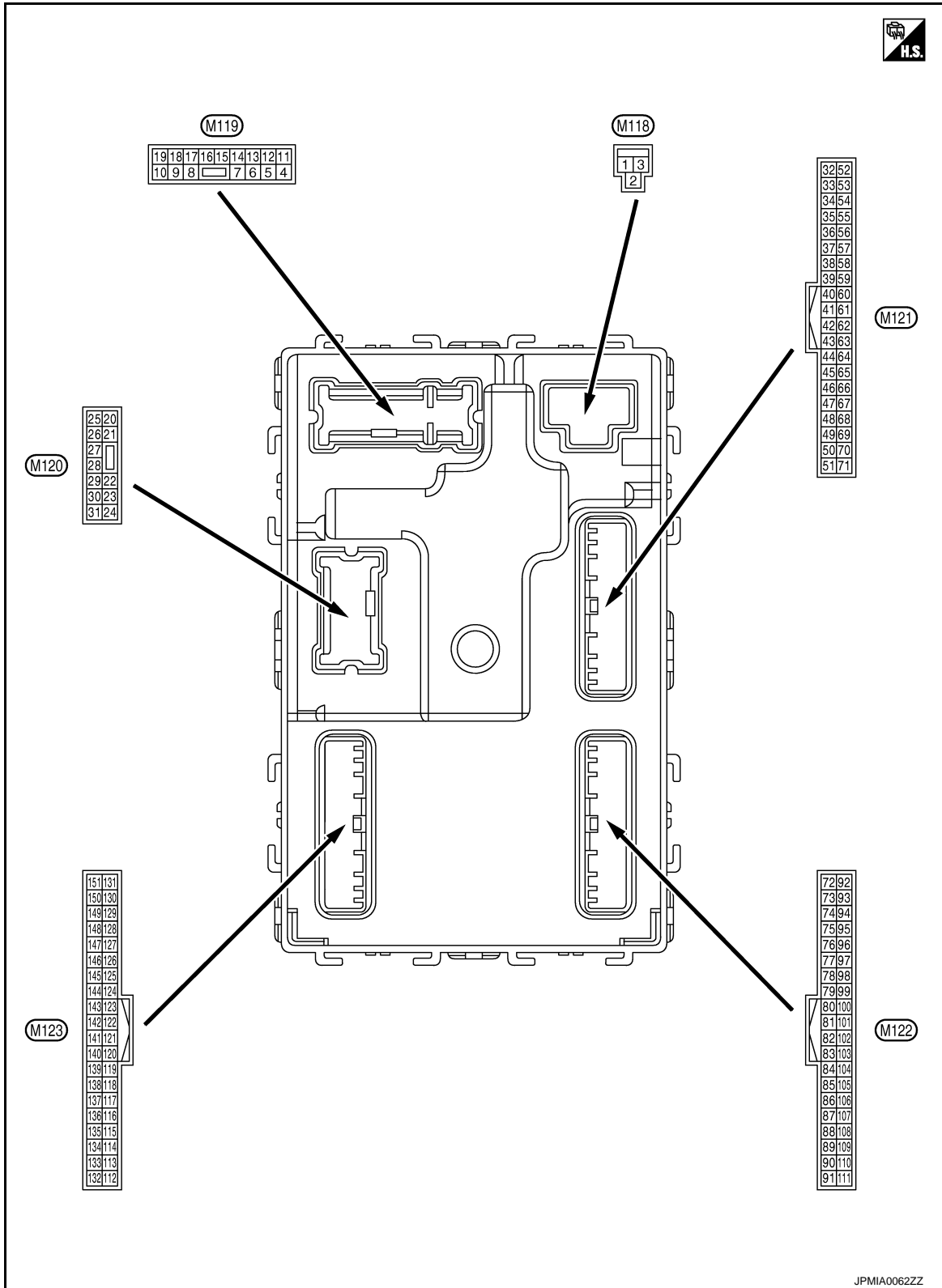
Monitor Item	Condition	Value/Status	
CONFIRM ID2	The key ID that the key slot receives does not accord with the second key ID registered to BCM.	Yet	A
	The key ID that the key slot receives accords with the second key ID registered to BCM.	Done	B
CONFIRM ID1	The key ID that the key slot receives does 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

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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

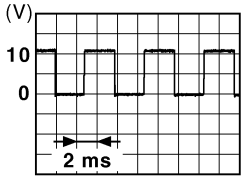
TERMINAL LAYOUT



PHYSICAL VALUES

BCM (BODY CONTROL MODULE)

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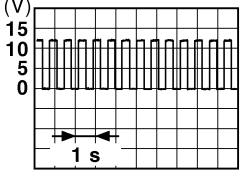
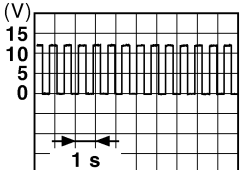
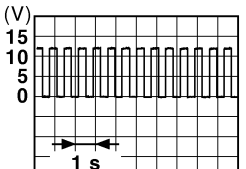
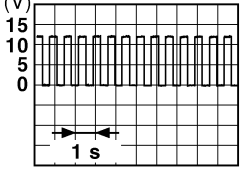
Terminal No. (Wire color)		Description		Condition		Value (Approx.)
+	-					
1 (W)	Ground	Battery power supply	Input	Ignition switch OFF		Battery voltage
2 (W)	Ground	P/W power supply (BAT)	Output	Ignition switch OFF		Battery voltage
3 (Y)	Ground	P/W power supply (RAP)	Output	Ignition switch ON		Battery 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
8 (V)	Ground	All doors, fuel lid LOCK	Output	All doors	LOCK (Actuator is activated)	Battery voltage
						Other than LOCK (Actuator is not activated)
9 (G)	Ground	Driver door, fuel lid UNLOCK	Output	Driver door	UNLOCK (Actuator is activated)	Battery voltage
						Other than UNLOCK (Actuator is not activated)
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)
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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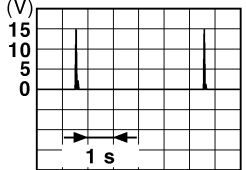
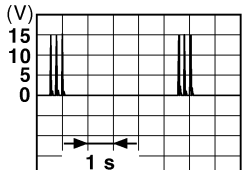
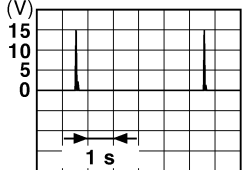
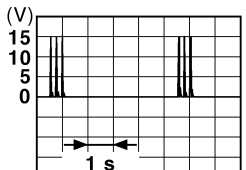
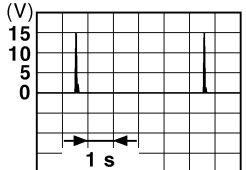
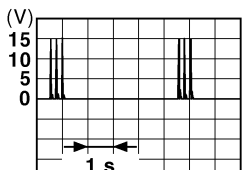
BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition	Value (Approx.)
+	-	Signal name	Input/ Output		
17 (W)	Ground	Turn signal RH (Front)	Output	Ignition switch ON	Turn signal switch OFF 0 V
				Turn signal switch RH	 6.5 V
18 (BG)	Ground	Turn signal LH (Front)	Output	Ignition switch ON	Turn signal switch OFF 0 V
				Turn signal switch LH	 6.5 V
19 (V)	Ground	Room lamp timer control	Output	Interior room lamp	OFF Battery voltage
				ON	0 V
20 (V)	Ground	Turn signal RH (Rear)	Output	Ignition switch ON	Turn signal switch OFF 0 V
				Turn signal switch RH	 6.5 V
23 (G)	Ground	Back door open	Output	Back door	OPEN (Back door opener actuator is activated) Battery voltage
				Other than OPEN (Back door opener actuator is not activated)	0 V
25 (G)	Ground	Turn signal LH (Rear)	Output	Ignition switch ON	Turn signal switch OFF 0 V
				Turn signal switch LH	 6.5 V
26 (G)	Ground	Rear wiper	Output	Rear wiper	OFF (Stopped) 0 V
				ON (Operated)	Battery voltage

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

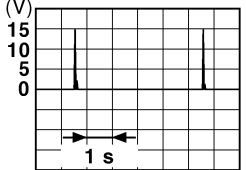
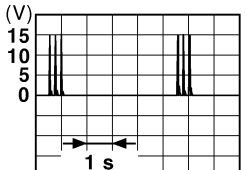
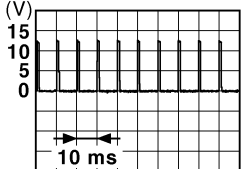
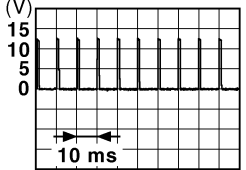
Terminal No. (Wire color)		Description		Condition	Value (Approx.)
+	-	Signal name	Input/ Output		
34 (SB)	Ground	Luggage room antenna (-)	Output	Ignition switch OFF	 <p style="text-align: right; font-size: small;">JMKIA0062GB</p>
				When Intelligent Key is not in the passenger compartment	 <p style="text-align: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

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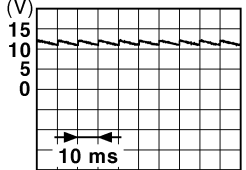
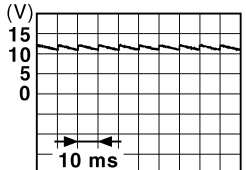
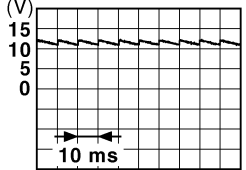
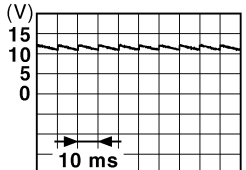
BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

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

BCM (BODY CONTROL MODULE)

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Terminal No. (Wire color)		Description		Condition	Value (Approx.)
		Signal name	Input/ Output		
+	-				
66 (R)	Ground	Back door switch	Input	Back door switch	 <p style="text-align: right; font-size: small;">JPMIA0011GB</p> <p style="text-align: center;">11.8 V</p>
				ON (Door open)	0 V
67 (GR)	Ground	Back door opener switch	Input	Back door opener switch	 <p style="text-align: right; font-size: small;">JPMIA0011GB</p> <p style="text-align: center;">11.8 V</p>
				Pressed	0 V
68 (BR)	Ground	Rear RH door switch	Input	Rear RH door switch	 <p style="text-align: right; font-size: small;">JPMIA0011GB</p> <p style="text-align: center;">11.8 V</p>
				ON (Door open)	0 V
69 (R)	Ground	Rear LH door switch	Input	Rear LH door switch	 <p style="text-align: right; font-size: small;">JPMIA0011GB</p> <p style="text-align: center;">11.8 V</p>
				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 (-) (Center console)	Output	Ignition switch OFF	<p>JMKIA0062GB</p>
				When Intelligent Key is not in the passenger compart- ment	<p>JMKIA0063GB</p>
73 (G)	Ground	Room antenna 2 (+) (Center console)	Output	Ignition switch OFF	<p>JMKIA0062GB</p>
				When Intelligent Key is not in the passenger compart- ment	<p>JMKIA0063GB</p>
74 (SB)	Ground	Passenger door an- tenna (-)	Output	When the pas- senger door re- quest switch is operated with ig- nition switch OFF	<p>JMKIA0062GB</p>
				When Intelligent Key is not in the antenna detection area	<p>JMKIA0063GB</p>

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

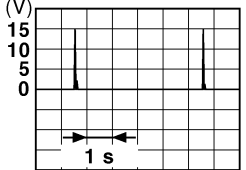
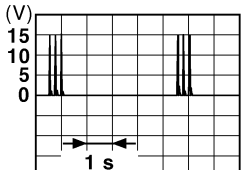
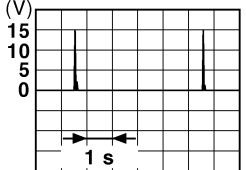
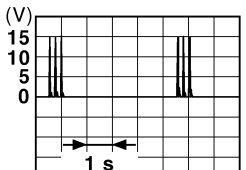
Terminal No. (Wire color)		Description		Condition	Value (Approx.)
+	-	Signal name	Input/ Output		
75 (GR)	Ground	Passenger door antenna (+)	Output	When Intelligent Key is in the antenna detection area	<p style="text-align: right; font-size: small;">JMKIA0062GB</p>
				When the passenger door request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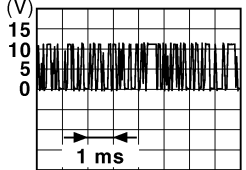
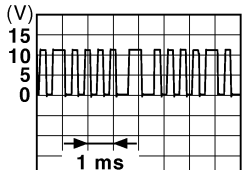
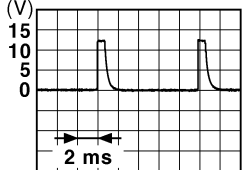
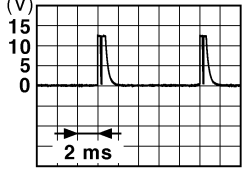
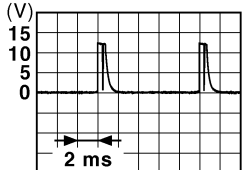

BCM (BODY CONTROL MODULE)

< 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 OFF	When Intelligent Key is in the passenger compart- ment  JMKIA0062GB
					When Intelligent Key is not in the passenger compart- ment  JMKIA0063GB
79 (BR)	Ground	Room antenna 1 (+) (Instrument panel)	Output	Ignition switch OFF	When Intelligent Key is in the passenger compart- ment  JMKIA0062GB
					When Intelligent Key is not in the passenger compart- ment  JMKIA0063GB
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 >

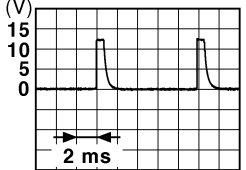
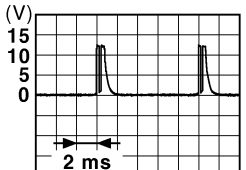

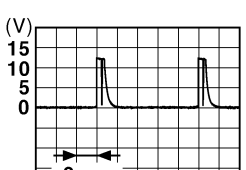
Terminal No. (Wire color)		Description		Condition	Value (Approx.)	
		Signal name	Input/ Output			
+	-					
83 (Y)	Ground	Remote keyless entry receiver communication	Input/ Output	During waiting	 <p style="text-align: right; font-size: small;">JMKIA0064GB</p>	
				When operating either button on the key	 <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; font-size: small;">JPMIA0041GB</p> <p style="text-align: center;">1.4 V</p>
					Lighting switch HI (Wiper intermittent dial 4)	 <p style="text-align: right; font-size: small;">JPMIA0036GB</p> <p style="text-align: center;">1.3 V</p>
					Lighting switch 2ND (Wiper intermittent dial 4)	 <p style="text-align: right; font-size: small;">JPMIA0037GB</p> <p style="text-align: center;">1.3 V</p>
					Rear washer 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 3
90 (P)	Ground	CAN-L	Input/ Output	—	—	
91 (L)	Ground	CAN-H	Input/ Output	—	—	

BCM (BODY CONTROL MODULE)

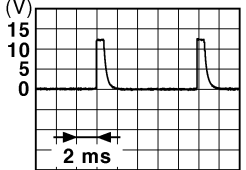

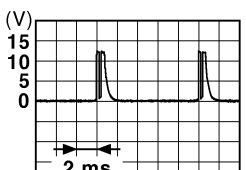
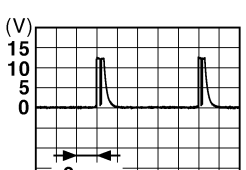
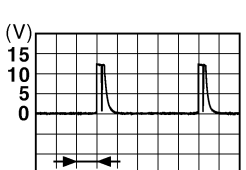
< ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition	Value (Approx.)
+	-	Signal name	Input/ Output		
92 (LG)	Ground	Key slot illumination	Output	Key slot illumination	Battery voltage
				Blinking	<p style="text-align: center;">6.5 V</p>
93 (V)	Ground	ON indicator lamp	Output	Ignition switch	Battery voltage
				OFF or ACC	0 V
94 (Y)	Ground	Puddle lamp control	Output	Puddle lamp	Battery voltage
				ON	0 V
95 (BG)	Ground	ACC relay control	Output	Ignition switch	0 V
				OFF	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	0 V
				P position	Battery voltage
100 (G)	Ground	Passenger door request switch	Input	Passenger door request switch	0 V
				ON (Pressed)	<p style="text-align: center;">1.0 V</p>
101 (SB)	Ground	Driver door request switch	Input	Driver door request switch	0 V
				ON (Pressed)	<p style="text-align: center;">1.0 V</p>
102 (BG)	Ground	Blower fan motor relay control	Output	Ignition switch	0 V
				OFF or ACC	Battery voltage
103 (LG)	Ground	Remote keyless entry receiver power supply	Output	Ignition switch OFF	Battery voltage

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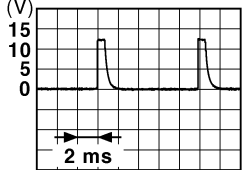
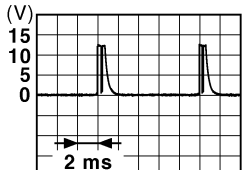

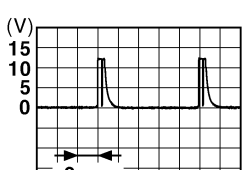

BCM (BODY CONTROL MODULE)

< 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 >

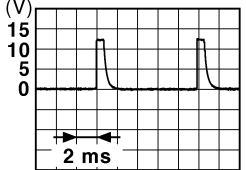

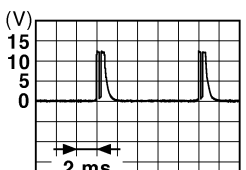
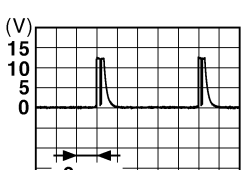
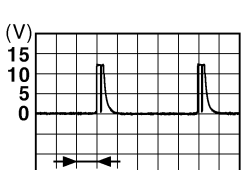
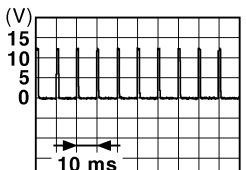
Terminal No. (Wire color)		Description		Condition	Value (Approx.)	
		Signal name	Input/ Output			
+	-					
108 (R)	Ground	Combination switch INPUT 4	Input	Combination switch	All switches OFF (Wiper intermittent dial 4)	 <p style="text-align: right;">1.4 V</p>
					Lighting switch AUTO (Wiper intermittent 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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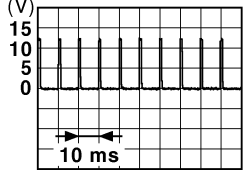
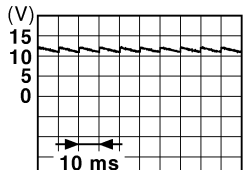

BCM (BODY CONTROL MODULE)

< 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;">1.4 V</p>
					Lighting switch PASS	 <p style="text-align: right;">1.3 V</p>
					Lighting switch 2ND	 <p style="text-align: right;">1.3 V</p>
					Front wiper switch INT	 <p style="text-align: right;">1.3 V</p>
					Front wiper switch HI	 <p style="text-align: right;">1.3 V</p>
					ON	0 V
110 (G)	Ground	Hazard switch	Input	Hazard switch	 <p style="text-align: right;">1.1 V</p>	
				OFF		

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

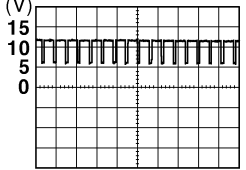
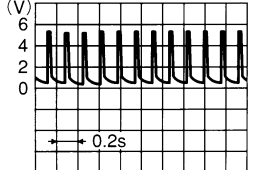

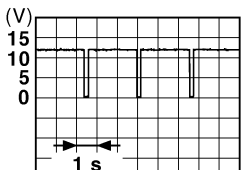
Terminal No. (Wire color)		Description		Condition		Value (Approx.)
		Signal name	Input/ Output			
+	-					
113 (P)	Ground	Optical sensor	Input	Ignition switch ON	When bright outside of the vehicle	Close to 5 V
					When dark outside of the vehicle	Close to 0 V
116 (SB)	Ground	Stop lamp switch 1	Input	—		Battery voltage
118 (P)	Ground	Stop lamp switch 2 (Without ICC)	Input	Stop lamp switch	OFF (Brake pedal is not depressed)	0 V
					ON (Brake pedal is de- pressed)	Battery voltage
		Stop lamp switch 2 (With ICC)		Stop lamp switch OFF (Brake pedal is not de- pressed) and ICC brake hold relay OFF	0 V	
				Stop lamp switch ON (Brake pedal is de- pressed) or ICC brake hold relay ON	Battery voltage	
119 (SB)	Ground	Front door lock as- sembly driver side (Unlock sensor)	Input	Driver door	LOCK status (Unlock sensor switch OFF)	 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 ignition switch illumination	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;">JPMA0159GB</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;">JPMA0014GB</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	
					<ul style="list-style-type: none"> • Wiper intermittent dial 1 • Wiper intermittent dial 2 • Wiper intermittent dial 3 • Wiper intermittent dial 6 • Wiper intermittent dial 7 	
144 (G)	Ground	Combination switch OUTPUT 2	Output	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	
<ul style="list-style-type: none"> • Wiper intermittent dial 1 • Wiper intermittent dial 5 • Wiper intermittent dial 6 	10.7 V					
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 >

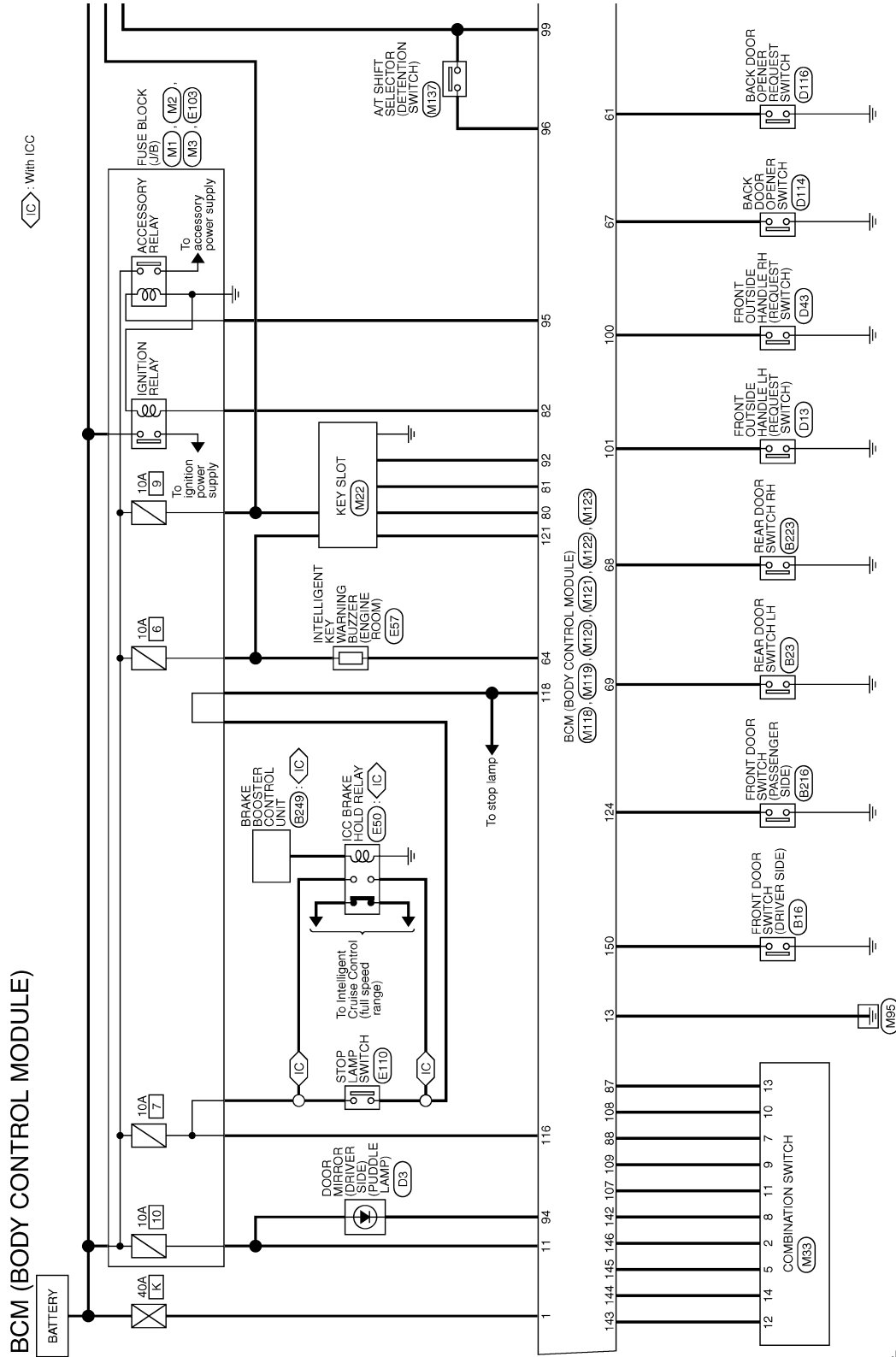
Terminal No. (Wire color)		Description		Condition	Value (Approx.)	
+	-	Signal name	Input/ Output			
146 (SB)	Ground	Combination switch OUTPUT 4	Output	Combination switch (Wiper intermit- tent dial 4)	All switches OFF	0 V
					Front fog lamp switch ON	<p style="text-align: right; font-size: small;">JPMIA0035GB</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 >

Wiring Diagram - BCM -

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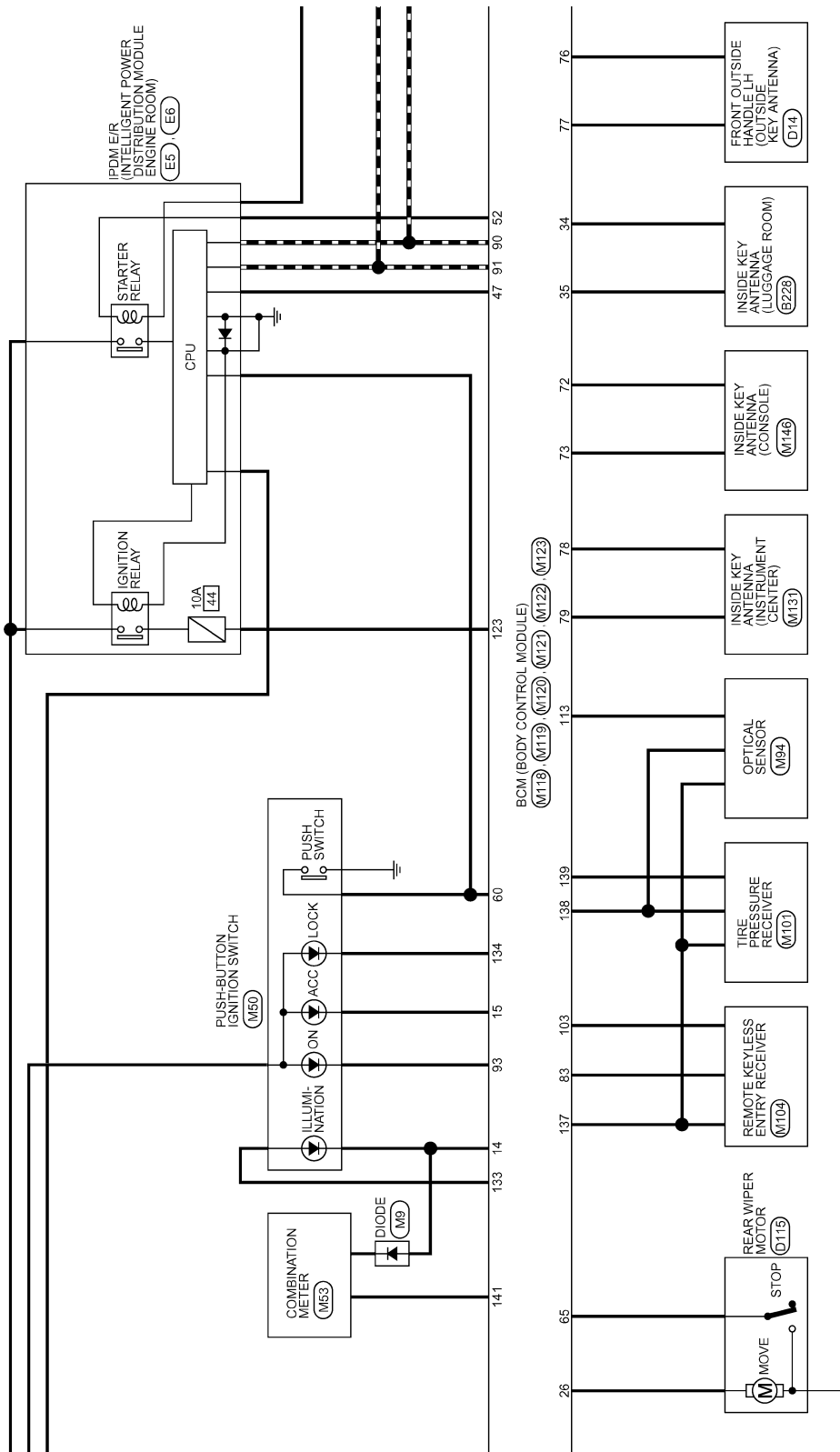
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BCM (BODY CONTROL MODULE)

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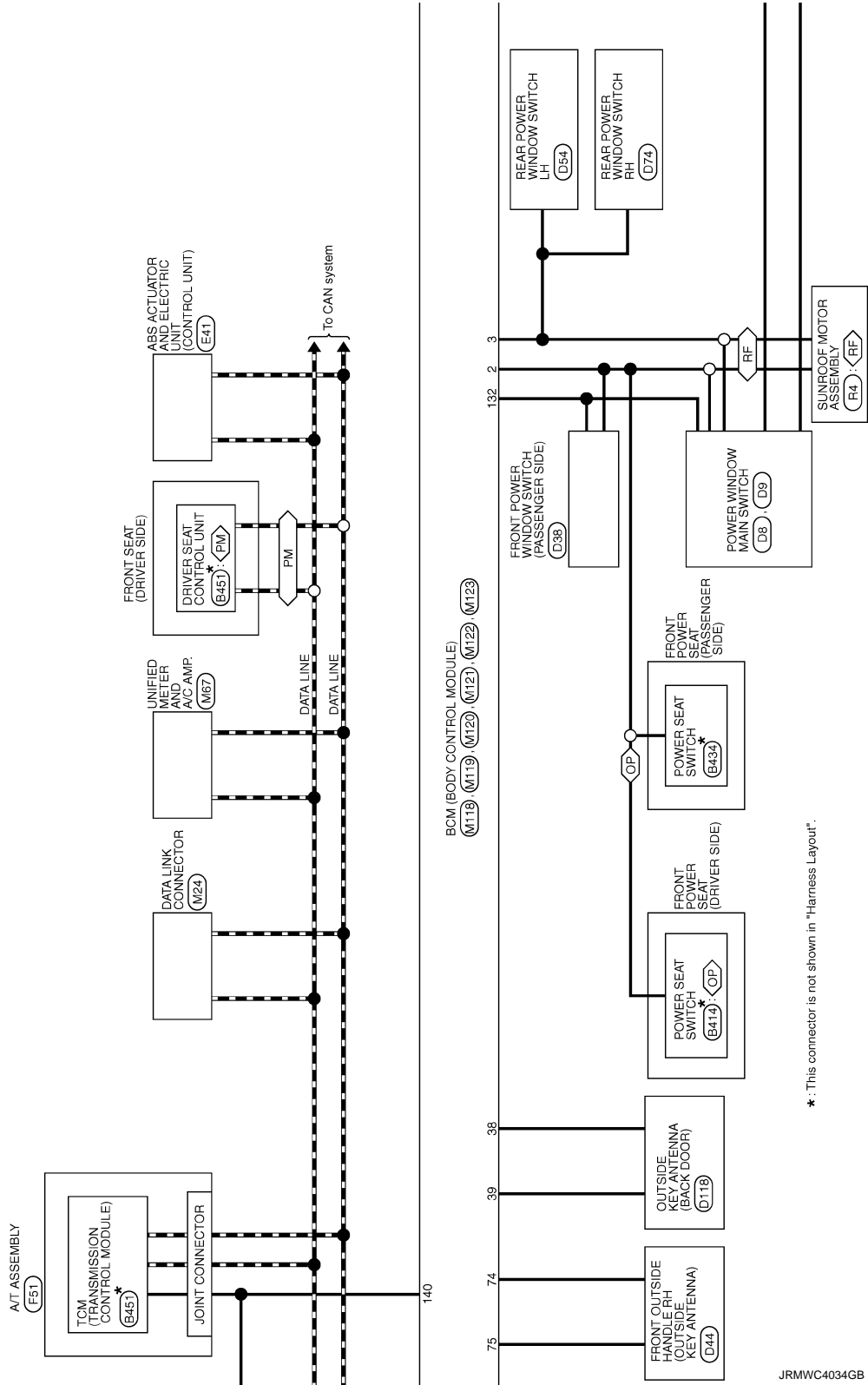


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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

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

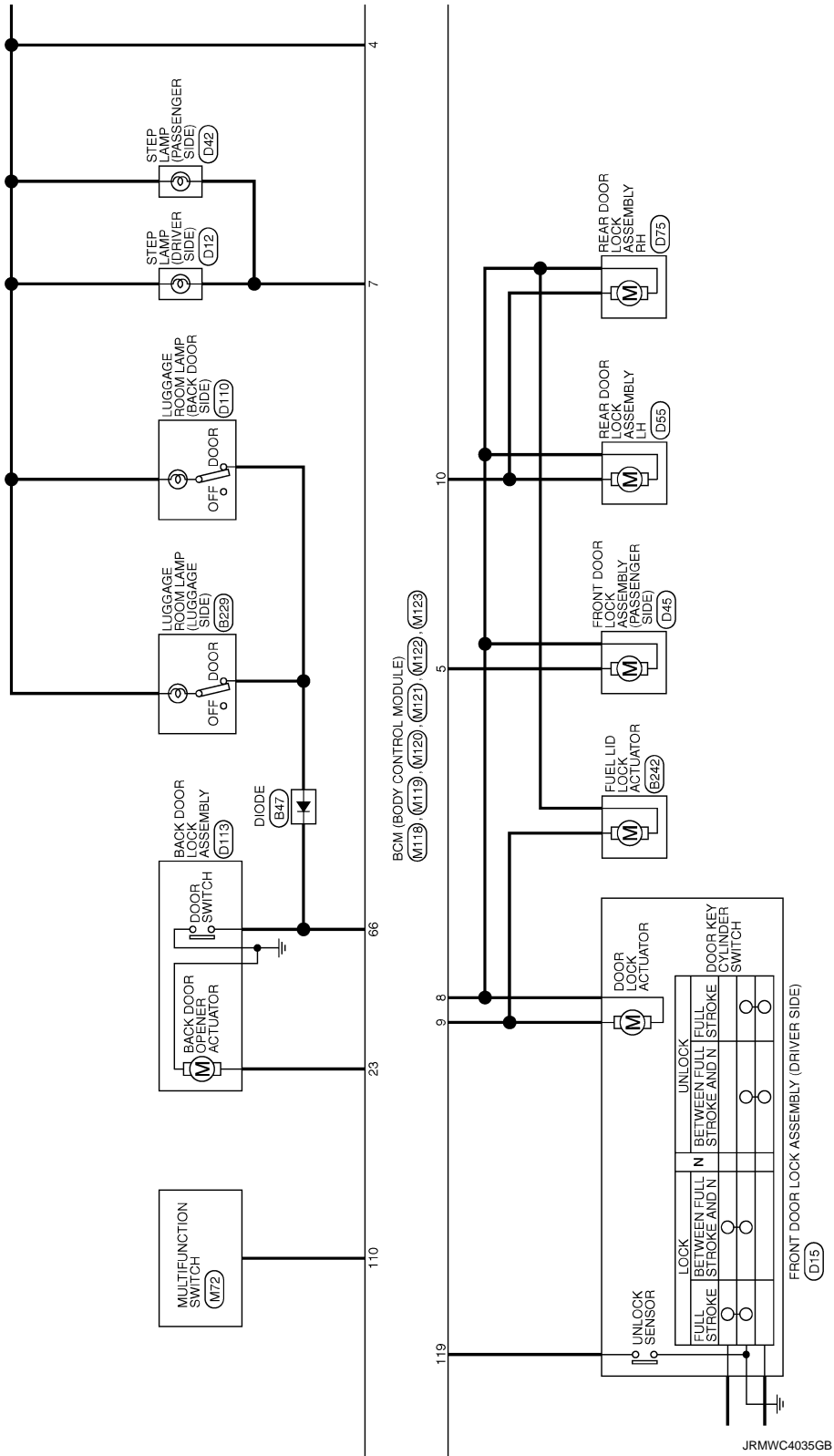


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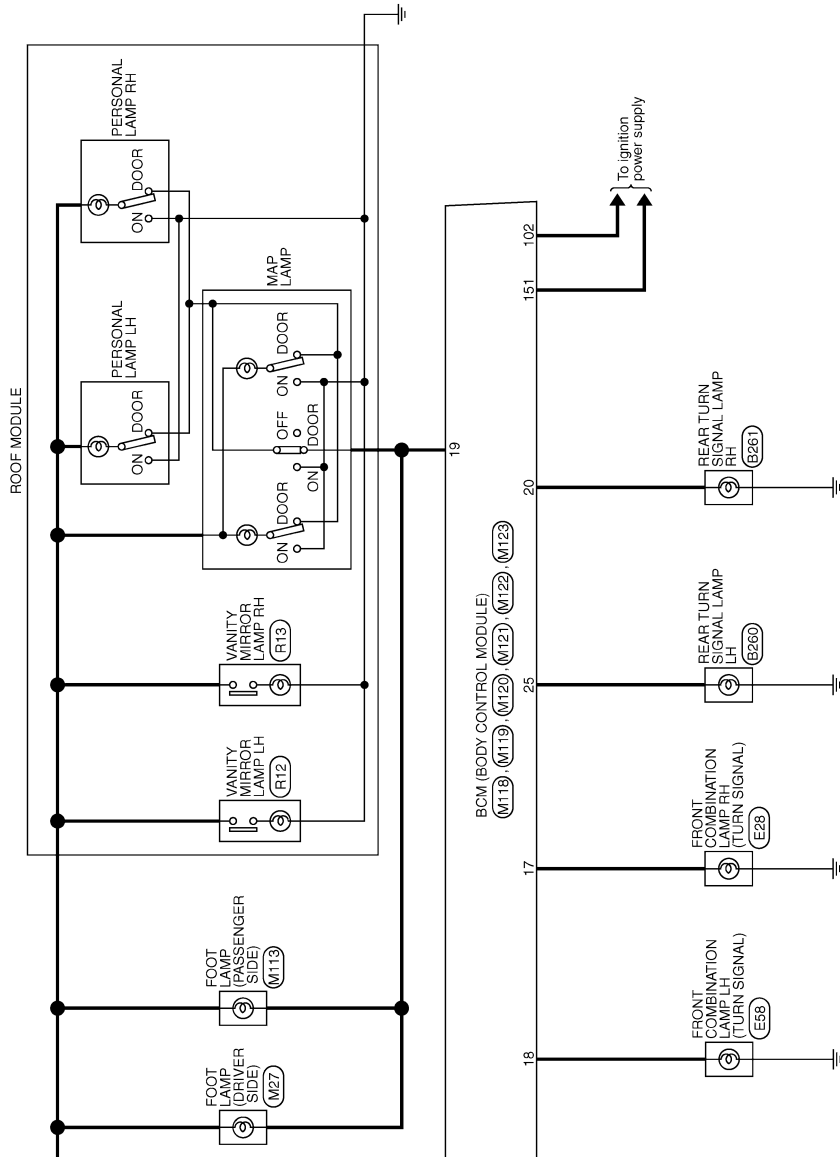
BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >



BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >



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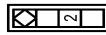
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BCM (BODY CONTROL MODULE)

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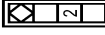
BCM (BODY CONTROL MODULE)

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



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

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



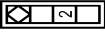
Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG	
2	LG	

Connector No.	B47
Connector Name	DIODE
Connector Type	24335_C9900



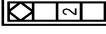
Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	
2	L	

Connector No.	B216
Connector Name	FRONT DOOR SWITCH (PASSENGER SIDE)
Connector Type	A03FW



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

Connector No.	B273
Connector Name	REAR DOOR SWITCH RH
Connector Type	A03FW



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

Connector No.	B238
Connector Name	INSIDE KEY ANTENNA (LUGGAGE ROOM)
Connector Type	RK02FGY



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

Connector No.	B239
Connector Name	LUGGAGE ROOM LAMP (LUGGAGE SIDE)
Connector Type	TG03FW



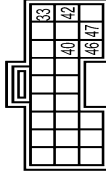
Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	
2	L	

Connector No.	B242
Connector Name	FUEL LID LOCK ACTUATOR
Connector Type	M04FWLC



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

Connector No.	B249
Connector Name	BRAKE BOOSTER CONTROL UNIT
Connector Type	PTC4FSY



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

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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

BCM (BODY CONTROL MODULE)

Connector No.	BZ60
Connector Name	REAR TURN SIGNAL LAMP LH
Connector Type	HS02FG-W



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

Connector No.	BZ61
Connector Name	REAR TURN SIGNAL LAMP RH
Connector Type	HS02FG-W



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

Connector No.	B414
Connector Name	POWER SEAT SWITCH
Connector Type	NS10FAV-CS



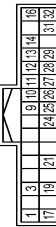
Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	B	-
3	G/Y	-
4	P	-
5	W	-
6	V	-
7	L/Y	-
8	L/R	-
10	G/W	-

Connector No.	B434
Connector Name	POWER SEAT SWITCH
Connector Type	NS10FAV-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/R	-
10	G/W	-

Connector No.	B451
Connector Name	DRIVER SEAT CONTROL UNIT
Connector Type	TH32FW



Terminal No.	Color Of Wire	Signal Name [Specification]
1	L/W	RX
3	R/Y	CAN-H
9	W/G	PULSE (RECLINING)
10	P/B	PULSE (RL LIFTING)
11	BR	SLIDING SW (BACKWARD)
12	S	RECLINING SW (BACKWARD)
13	G/R	FRONT LIFTING SW (DOWNWARD)
14	G/B	REAR LIFTING SW (DOWNWARD)
17	Y/R	CC
19	V	CABL
21	L/Y	P RANGE SW
24	R	PULSE (SLIDING)
25	Y/B	PULSE (RL LIFTING)
26	Y	SLIDING SW (FORWARD)
27	R/G	RECLINING SW (FORWARD)
28	W/B	FRONT LIFTING SW (UPWARD)
29	P/L	REAR LIFTING SW (UPWARD)
31	GR	SENSOR GND
32	B/W	GND (SIGNAL)

Connector No.	D3
Connector Name	DOOR MIRROR (DRIVER SIDE)
Connector Type	TH24NW-RH



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

Connector No.	D8
Connector Name	POWER WINDOW MAIN SWITCH
Connector Type	NS16FAV-CS



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

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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

BCM (BODY CONTROL MODULE)

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

Connector No.	D8
Connector Name	POWER WINDOW MAIN SWITCH
Connector Type	HS6PW-CS



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

Connector No.	D12
Connector Name	STEP LAMP (DRIVER SIDE)
Connector Type	TB02FM



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

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



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

Connector No.	D14
Connector Name	FRONT OUTSIDE HANDLE RH (OUTSIDE KEY ANTENNA)
Connector Type	RK02MGF



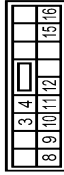
Terminal No.	Color Of Wire	Signal Name [Specification]
1	O	-
2	SB	-

Connector No.	D15
Connector Name	FRONT DOOR LOCK ASSEMBLY (DRIVER SIDE)
Connector Type	ED06CV-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	HS16PW-CS



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

Connector No.	D42
Connector Name	STEP LAMP (PASSENGER SIDE)
Connector Type	TB02FM



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

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



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

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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

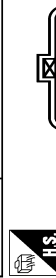
BCM (BODY CONTROL MODULE)

Connector No.	D44
Connector Name	FRONT COURSE HANDLE RH (DRIVER KEY ANTENNA)
Connector Type	RK02MAG



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	ED6FG1-RS



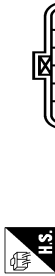
Terminal No.	Color Of Wire	Signal Name [Specification]
1	P	-
2	LG	-

Connector No.	D44
Connector Name	REAR POWER WINDOW SWITCH LH
Connector Type	NS08FW-LS



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

Connector No.	D45
Connector Name	REAR DOOR LOCK ASSEMBLY LH
Connector Type	ED6FG1-RS



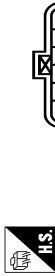
Terminal No.	Color Of Wire	Signal Name [Specification]
1	V	-
2	G	-

Connector No.	D74
Connector Name	REAR POWER WINDOW SWITCH RH
Connector Type	NS08FW-LS



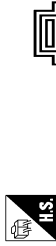
Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	V	-
3	G	-
4	P	-
5	D	-
7	B	-

Connector No.	D75
Connector Name	REAR DOOR LOCK ASSEMBLY RH
Connector Type	ED6FG1-RS



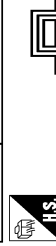
Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	-
2	V	-

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-LS



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	TK02M8R-P



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

Connector No.	D115
Connector Name	REAR WIPER MOTOR
Connector Type	CG4FR-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	TK02M8R-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	RK02EGY



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

Connector No.	E5
Connector Name	POWER DISTRIBUTION POINT FOR THE BODY CONTROL MODULE (ENGINE ROOM)
Connector Type	TH02FW-0312-M4-1V



Terminal No.	Color Of Wire	Signal Name [Specification]
4	V	-
5	L	-
7	R	-
12	B/W	-
13	L	-
15	G	-
18	G	-
22	G	-
24	B	-
27	BG	-
28	L	-
30	GR	-
36	G	-

Connector No.	E6
Connector Name	POWER DISTRIBUTION POINT FOR THE BODY CONTROL MODULE (ENGINE ROOM)
Connector Type	TH08FW-RH



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

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



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

Connector No.	E41
Connector Name	ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)
Connector Type	BA02FB-AH24-LH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	GROUND
2	G	URMR
3	R	URVR
4	B	GROUND
5	Y	DS-FL
6	BG	DP-RL
7	BR	DP-RL
9	B	DP-FL
10	W	DS-FL
14	P	CAP-L
15	P	CAP-R
22	LS	DS-L
27	GR	DS-R

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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

BCM (BODY CONTROL MODULE)

28	G	UZ
29	LG	DSRR
30	SR	BLS
31	R	VDC OFF SW
35	L	CAN-H
45	B	BLS-H

Connector No.	E50
Connector Name	ICC BRAKE HOLD RELAY
Connector Type	IMWBF5Y-R-US



Terminal No.	Color Of Wire	Signal Name [Specification]
2	B	BLS
3	P	CAN-H
4	SR	DSRR
6	P	UZ
7	R	

Connector No.	E57
Connector Name	VEHICULAR REVERSE BRAKE (REAR LOCK)
Connector Type	RK03FBR



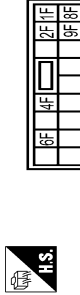
Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	V
3	V	

Connector No.	E58
Connector Name	FRONT COMBINATION LAMP LH
Connector Type	RSC08FB-PR



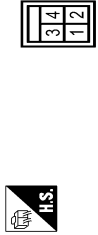
Terminal No.	Color Of Wire	Signal Name [Specification]
2	B	B
3	S/W	S/W
4	S/W	V
5	V	V
6	G	P
7	P	BR
8	BR	

Connector No.	E109
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS16FW-GS



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

Connector No.	E110
Connector Name	STOP LAMP SWITCH
Connector Type	IM04W-L-C



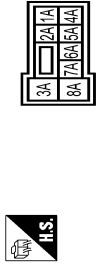
Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	L
2	W	W
3	Y	Y
4	SB	SB

Connector No.	F51
Connector Name	A/T ASSEMBLY
Connector Type	RKLD5C-DSY



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

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



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

Connector No.	M2
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS10PW-GS



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

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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

BCM (BODY CONTROL MODULE)

Connector No.	M3
Connector Name	FUSE BLOCK (J/B)
Connector Type	HS12FW-CS



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

Connector No.	M9
Connector Name	DIODE
Connector Type	24335, CS900



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

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



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

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



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

Connector No.	M27
Connector Name	FOOT LAMP (DRIVER SIDE)
Connector Type	AD2FW



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

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



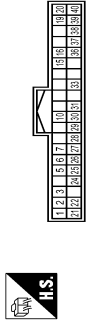
Terminal No.	Color Of Wire	Signal Name [Specification]
1	P	FR WASHER(1)
2	SB	OUTPUT 4
3	GR	FR WASHER(4)
4	G	IGN
5	L	OUTPUT 3
6	B	GROUND
7	V	INPUT 3
8	BG	OUTPUT 5
9	Y	INPUT 2
10	R	INPUT 4
11	LG	INPUT 1
12	P	OUTPUT 1
13	BR	INPUT 5
14	G	OUTPUT 2

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



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

Connector No.	M53
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	ILLUMD
20	R	ILLUMD
21	BG	IGNITOR SIGNAL

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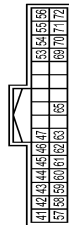
BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

BCM (BODY CONTROL MODULE)

Terminal No.	Color Of Wire	Signal Name [Specification]
22	B	GROUND
24	BR	COMMUNICATION SIGNAL (LCD->AMP.)
25	Y	COMMUNICATION SIGNAL (AMP->LCD)
26	V	VEHICLE SPEED SIGNAL (8-PULSE)
27	R	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	WASHERLEVEL SWITCH SIGNAL
33	B	ILLUMINATION CONTROL SIGNAL
36	LG	SELECT SWITCH SIGNAL
37	SB	ENTER SWITCH SIGNAL
38	L	TRIP A/R RESET SWITCH SIGNAL
39	P	ILLUMINATION CONTROL SWITCH SIGNAL (-)
40	BG	ILLUMINATION CONTROL SWITCH SIGNAL (+)

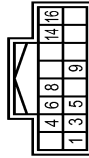
Connector No.	Connector Name	Connector Type
M67	UNIFIED METER AND A/C AMP.	TH32FW-NH



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	EVAPORATOR GAS / OUTDOOR DOOR DETECTING SENSOR SIGNAL
53	G	IGNITION POWER SUPPLY
54	Y	BATTERY POWER SUPPLY
55	B	GROUND
56	L	CAN-H
57	W	BRAKE FLUID LEVEL SWITCH SIGNAL
58	BR	FUEL LEVEL SENSOR GROUND
59	GR	INTAKE SENSOR GROUND
60	L	IN-VEHICLE SENSOR GROUND
61	BR	AMBIENT SENSOR GROUND
62	SB	SUNLOAD SENSOR GROUND
63	R	GROUND
65	R	ECU SIGNAL

Terminal No.	Color Of Wire	Signal Name [Specification]
69	L	A/C LAMP SIGNAL
70	R	EACH DOOR MOTOR POWER SUPPLY
71	B	GROUND
72	P	CAN-L

Connector No.	Connector Name	Connector Type
M72	MULTIFUNCTION SWITCH	TH18FW-NH



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

Connector No.	Connector Name	Connector Type
M84	OPTICAL SENSOR	TK03FW



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

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



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

Connector No.	Connector Name	Connector Type
M104	REMOTE KEYLESS ENTRY RECEIVER	JAB4FB



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

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



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

Connector No.	Connector Name	Connector Type
M118	BCM (BODY CONTROL MODULE)	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 (BAP)

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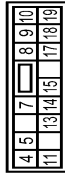
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BCM (BODY CONTROL MODULE)

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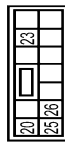
BCM (BODY CONTROL MODULE)

Connector No.	M119
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	NS13FW-C3



Terminal No.	Color Of Wire	Signal Name [Specification]
4	LG	INTERIOR ROOM LAMP POWER SUPPLY
5	L	PASSENGER DOOR UNLOCK OUTPUT
7	V	STEP LAMP CONT
8	V	ALL DOOR FUEL LID LOCK OUTPUT
9	G	DRIVER DOOR FUEL LID LOCK OUTPUT
10	BR	REAR DOOR UNLOCK OUTPUT
11	W	REAR WIPER
12	B	REAR WIPER WASH
13	W	REAR WIPER STOP POSITION
14	W	PUSH-BUTTON LIGHTING SW (L) GND
15	V	ACC GND
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	NS13FW-C3



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	TH40FG-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
27	SB	LUGGAGE ROOM ANT-
34	SB	LUGGAGE ROOM ANT+
35	V	BACK DOOR ANT-
38	B	BACK DOOR ANT+
39	W	BACK DOOR ANT-
41	W	ISH REAR (PENDULUM) CONT
42	B	STARTER RELAY CONT
43	SB	STARTER RELAY CONT
44	W	STARTER RELAY CONT
51	V	BACK DOOR OPEN REQUEST SW
64	V	H-KEY MARK BUZZER (LARGE ROOM)
65	RG	REAR WIPER STOP POSITION
66	R	BACK DOOR SW
67	GR	BACK DOOR OPENERS SW
68	BR	REAR RH DOOR SW
69	R	REAR LH DOOR SW

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



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

Terminal No.	Color Of Wire	Signal Name [Specification]
78	Y	ROOM ANT1-
79	BR	ROOM ANT1+
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	COMB SW INP/UT 5
88	V	COMB SW INP/UT 3
90	P	L CAN-L
91	L	CAN-H
92	LG	KEY SLOT ILL CONT
93	V	ON IND
94	V	FUDDLE 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
104	G	COMB SW INP/UT 4
105	G	COMB SW INP/UT 1
106	V	COMB SW INP/UT 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
122	W	IGN F78
124	LG	PASSENGER DOOR SW
132	BR	POWER WINDOW CENTER
133	W	PUSH-BUTTON UNLOCK SW ILL POWER
134	GR	LOCK IND

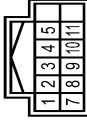
Terminal No.	Color Of Wire	Signal Name [Specification]
137	BG	RECEIVER/SENSOR GND
138	Y	RECEIVER/SENSOR POWER SUPPLY
139	L	TIRE PRESSURE RECEIVER COMM
140	GR	SHIFT NP
141	G	SECURITY NO LAMP CONT
142	BG	COMB SW OUTPUT 5
143	P	COMB SW OUTPUT 1
144	G	COMB SW OUTPUT 2
145	L	COMB SW OUTPUT 4
146	SB	COMB SW OUTPUT 3
150	LG	DRIVER DOOR SW
151	G	REAR WINDOW DEFROSTER RELAY CONT

Connector No.	M131
Connector Name	INSIDE KEY ANTENNA (INSTRUMENT CENTER)
Connector Type	PK02FG



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	B	
4	B	

BCM (BODY CONTROL MODULE)



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BCM (BODY CONTROL MODULE)



5	G	-	-	-
7	R	-	-	-
8	SR	-	-	-
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	NEA1DFG



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

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

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

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

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.

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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

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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

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NOTE:

The details of time display are as follows.

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

IGN counter is displayed on Freeze Frame Data. For details of Freeze Frame Data, refer to [BCS-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 page
No DTC is detected. further testing may be required.	—	—	—	—	—
U1000: CAN COMM CIRCUIT	—	—	—	—	BCS-37
U1010: CONTROL UNIT (CAN)	—	—	—	—	BCS-38
U0415: VEHICLE SPEED SIG	—	—	—	—	BCS-39

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

CONSULT display	Fail-safe	Freeze Frame Data •Vehicle Speed •Odo/Trip Meter •Vehicle Condition	Intelligent Key warning lamp ON	Tire pressure monitor warning lamp ON	Reference page
B2190: NATS ANTENNA AMP	×	—	—	—	SEC-40
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-48
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-40
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-50
B260F: ENG STATE SIG LOST	×	×	×	—	SEC-68
B2614: ACC RELAY CIRC	—	×	×	—	PCS-52
B2615: BLOWER RELAY CIRC	—	×	×	—	PCS-55
B2616: IGN RELAY CIRC	—	×	×	—	PCS-58
B2617: STARTER RELAY CIRC	×	×	×	—	SEC-71
B2618: BCM	×	×	×	—	PCS-61
B261A: PUSH-BTN IGN SW	—	×	×	—	SEC-73
B261E: VEHICLE TYPE	×	×	× (Turn ON for 15 seconds)	—	SEC-76
B2621: INSIDE ANTENNA	—	×	—	—	DLK-60
B2622: INSIDE ANTENNA	—	×	—	—	DLK-62
B2623: INSIDE ANTENNA	—	×	—	—	DLK-64
B26E1: ENG STATE NO RES	×	×	×	—	SEC-69
B26EA: KEY REGISTRATION	—	×	× (Turn ON for 15 seconds)	—	SEC-70
C1704: LOW PRESSURE FL	—	—	—	×	WT-23
C1705: LOW PRESSURE FR	—	—	—	×	
C1706: LOW PRESSURE RR	—	—	—	×	
C1707: LOW PRESSURE RL	—	—	—	×	
C1708: [NO DATA] FL	—	—	—	×	WT-25
C1709: [NO DATA] FR	—	—	—	×	
C1710: [NO DATA] RR	—	—	—	×	
C1711: [NO DATA] RL	—	—	—	×	

BCM (BODY CONTROL MODULE)

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CONSULT display	Fail-safe	Freeze Frame Data •Vehicle Speed •Odo/Trip Meter •Vehicle Condition	Intelligent Key warning lamp ON	Tire pressure monitor warning lamp ON	Reference page
C1716: [PRESSDATA ERR] FL	—	—	—	×	WT-28
C1717: [PRESSDATA ERR] FR	—	—	—	×	
C1718: [PRESSDATA ERR] RR	—	—	—	×	
C1719: [PRESSDATA ERR] RL	—	—	—	×	
C1729: VHCL SPEED SIG ERR	—	—	—	×	WT-30
C1734: CONTROL UNIT	—	—	—	×	WT-32

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COMBINATION METER

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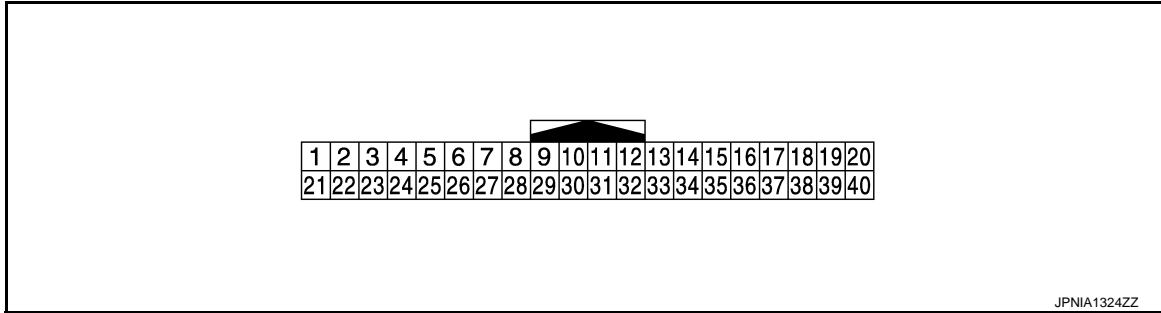
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VALUES ON THE DIAGNOSIS TOOL

Refer to [MWI-89](#). "Reference Value".

TERMINAL LAYOUT

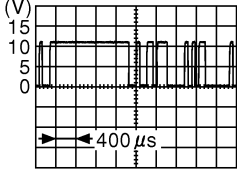
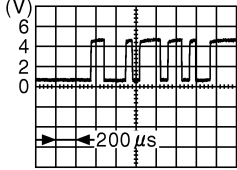
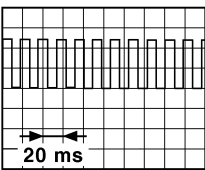
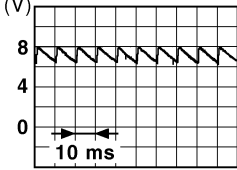


PHYSICAL VALUES

Terminal No. (Wire color)		Description		Condition		Value (Approx.)
+	-	Signal name	Input/ Output			
1 (GR)	Ground	Battery power supply	Input	Ignition switch OFF	—	Battery voltage
2 (LG)	Ground	Communication signal (METER→ AMP.)	Output	Ignition switch ON	—	 JSNIA0027GB
3 (GR)	Ground	Communication signal (AMP.→ METER)	Input	Ignition switch ON	—	 JSNIA0027GB
5 (B)	Ground	Ground	—	Ignition switch ON	—	0 V
6 (P)	Ground	Alternator signal	Input	Ignition switch ON	Charge warning lamp ON	0 V
					Charge warning lamp OFF	Battery voltage
7 (BR)	Ground	Air bag signal	Input	Ignition switch ON	Air bag warning lamp ON	4 V
					Air bag warning lamp OFF	0 V
10 (G)	Ground	Security signal	Input	Ignition switch OFF	Security warning lamp ON	0 V
					Security warning lamp OFF	12 V
15 (B)	Ground	Ground	—	Ignition switch ON	—	0 V

COMBINATION METER

< ECU DIAGNOSIS INFORMATION >

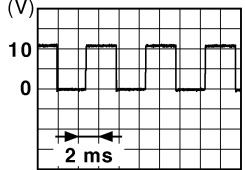




Terminal No. (Wire color)		Description		Condition		Value (Approx.)
+	-	Signal name	Input/ Output			
16 (B)	Ground	Meter control switch ground	—	Ignition switch ON	—	0 V
21 (BG)	Ground	Ignition signal	Input	Ignition switch ON	—	Battery voltage
22 (B)	Ground	Ground	—	Ignition switch ON	—	0 V
24 (BR)	Ground	Communication signal (LCD→ AMP.)	Output	Ignition switch ON	—	 <small>JSNIA0028GB</small>
25 (Y)	Ground	Communication signal (AMP.→ LCD)	Input	Ignition switch ON	—	 <small>JSNIA0027GB</small>
26 (R)	Ground	Vehicle speed signal (8-pulse)	Input	Ignition switch ON	Speedometer operated [When vehicle speed is approx. 40 km/h (25 MPH)]	<p>NOTE: The maximum voltage varies depending on the specification (destination unit).</p>  <small>JSNIA0012GB</small>
27 (V)	Ground	Parking brake switch signal	Input	Ignition switch ON	Parking brake is applied	0 V
					Parking brake is released	 <small>JSNIA0007GB</small>
28 (W)	Ground	Brake fluid level switch signal	Input	Ignition switch ON	Brake fluid level is normal.	5 V
					The brake fluid level is lower than the low level	0 V
29 (SB)	Ground	Seat belt buckle switch signal (driver side)	Input	Ignition switch ON	When driver seat belt is fastened	12 V
					When driver seat belt is unfastened	0 V

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COMBINATION METER

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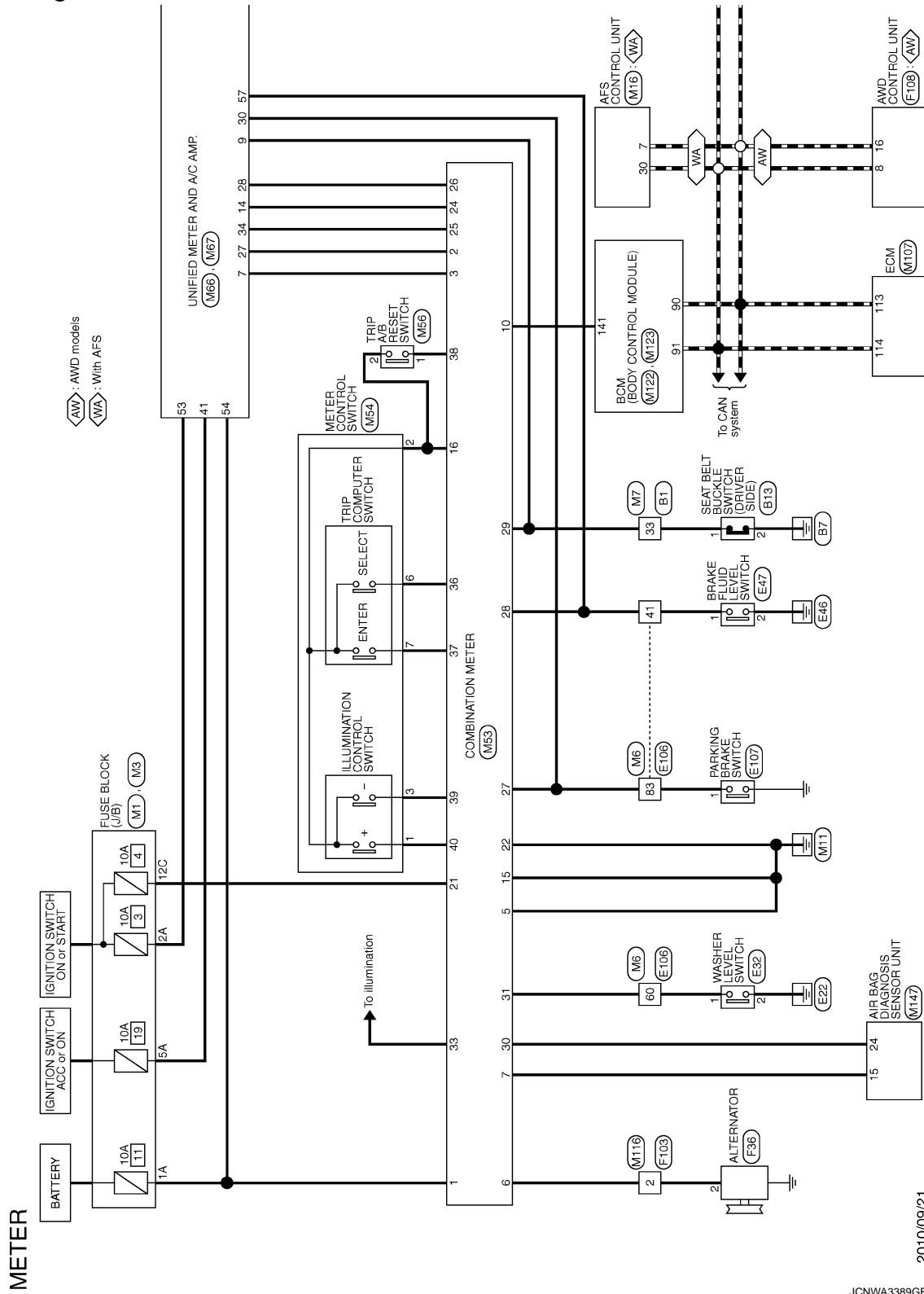
Terminal No. (Wire color)		Description		Condition	Value (Approx.)	
+	-	Signal name	Input/ Output			
30 (G)	Ground	Seat belt buckle switch signal (passenger side)	Input	Ignition switch ON	<ul style="list-style-type: none"> When getting in the passenger seat When passenger seat belt is fastened 	12 V
					<ul style="list-style-type: none"> When getting in the passenger seat When passenger seat belt is unfastened 	0 V
31 (L)	Ground	Washer level switch signal	Input	Ignition switch ON	Washer level switch ON	0 V
					Washer level switch OFF	5 V
33 (B)	Ground	Illumination control signal	Output	Ignition switch ON	Lighting switch ON, then operate the illumination control switch.	<p>NOTE: When brightness level is midway (V)</p>  <p style="text-align: right;"><small>JSNIA0010GB</small></p>
36 (LG)	16 (B)	Select switch signal	Input	Ignition switch ON	When  is pressed	0 V
					Other than the above	5 V
37 (SB)	16 (B)	Enter switch signal	Input	Ignition switch ON	When  is pressed	0 V
					Other than the above	5 V
38 (L)	16 (B)	Trip A/B reset switch signal	Input	Ignition switch ON	When trip A/B reset switch is pressed	0 V
					Other than the above	5 V
39 (P)	16 (B)	Illumination control switch signal (-)	Input	Ignition switch ON	When  switch is pressed	0 V
					Other than the above	5 V
40 (BG)	16 (B)	Illumination control switch signal (+)	Input	Ignition switch ON	When  switch is pressed	0 V
					Other than the above	5 V

COMBINATION METER

< ECU DIAGNOSIS INFORMATION >

Wiring Diagram - METER -

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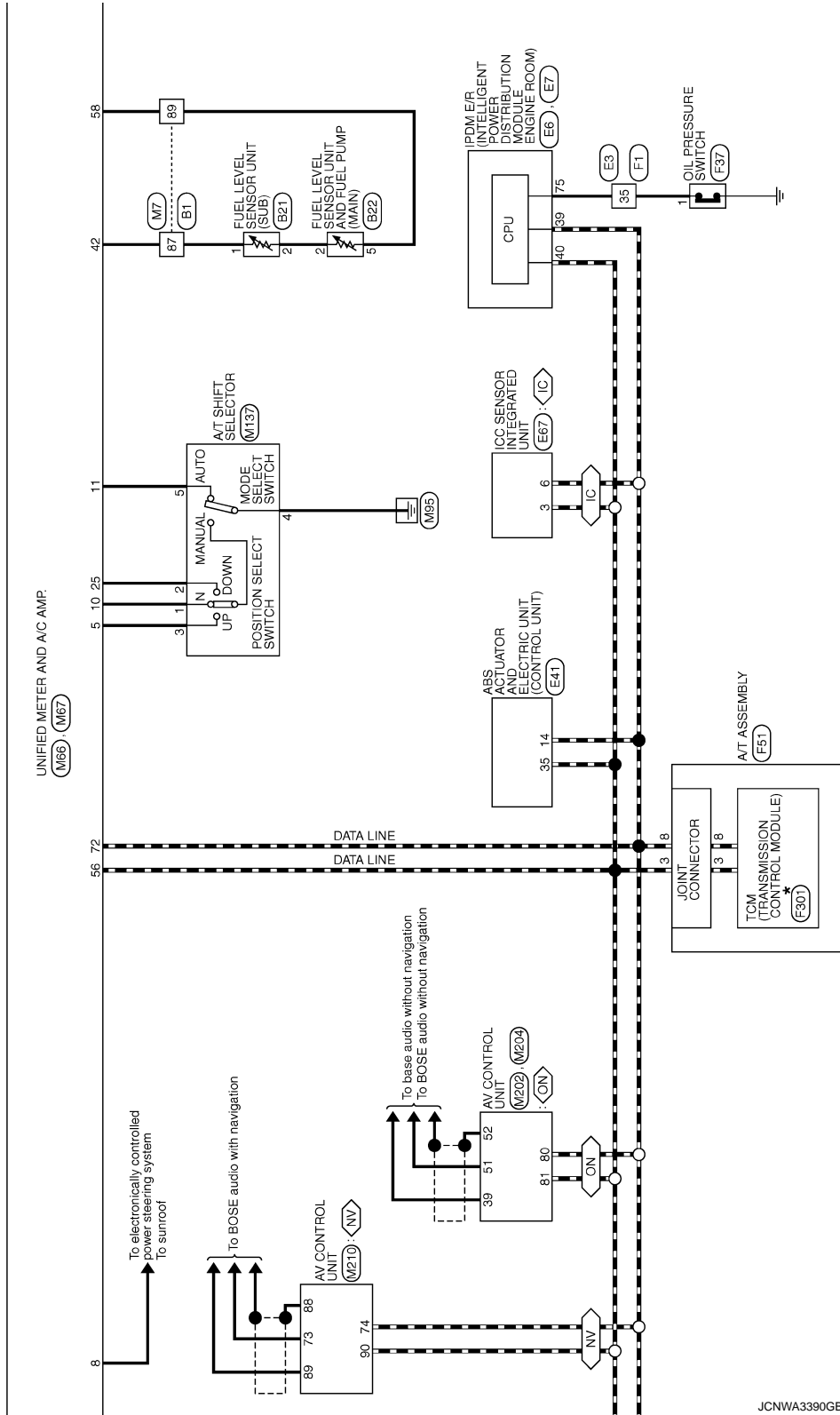
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COMBINATION METER

< ECU DIAGNOSIS INFORMATION >

- : With NAVI
- : Without NAVI
- : With ICC

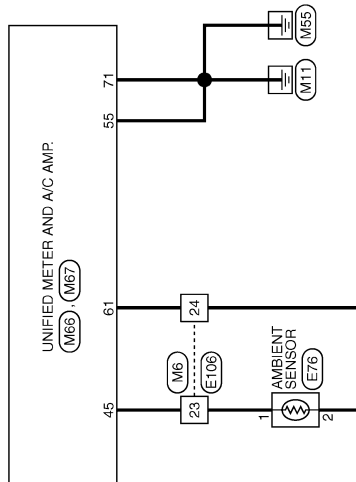
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COMBINATION METER

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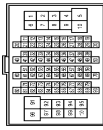
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COMBINATION METER

< ECU DIAGNOSIS INFORMATION >

METER

Connector No.	B1
Connector Name	WIRE TO WIRE
Connector Type	TH8DFW-6316-TM4



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

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	BR	-
77	R	-
78	P	-
79	GR	-
83	SG	-
84	LG	-
87	Y	-
88	R	-
89	B	-
90	SG	-
91	G	-
92	BR	-
93	G	-
94	SB	-
95	G	-
96	Y	-
98	W	-
99	GR	-

Connector No.	B13
Connector Name	SPRT BELT BUZZER SWITCH (DRIVER SIDE)
Connector Type	TH04FW-NH



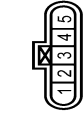
Terminal No.	Color Of Wire	Signal Name [Specification]
1	SB	-
2	B	-

Connector No.	B21
Connector Name	FUEL LEVEL SENSOR UNIT (SUB)
Connector Type	EG03GP-RS



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

Connector No.	B22
Connector Name	FUEL LEVEL SENSOR UNIT AND FUEL PUMP (MAIN)
Connector Type	ED03GP-RS



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

Connector No.	E3
Connector Name	WIRE TO WIRE
Connector Type	SA036MB-RS1D-S1Z2



Terminal No.	Color Of Wire	Signal Name [Specification]
19	W	-
20	GR	-
21	Y	-
22	G	-
23	W	-
25	SB	-
26	R	-
28	P	-
29	L	-
30	LG	-
31	LG	-
32	R	-
33	A	-
34	W	-

COMBINATION METER

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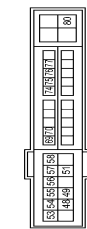
Terminal No.	Color Of Wire	Signal Name [Specification]
35	S-R	-
40	B-G	-
41	G	-
42	Y	-
43	BR	-
44	B-G	-

Connector No.	E6
Connector Name	INTELLIGENT POWER DISTRIBUTION MODULE (INTELLIGENT POWER)
Connector Type	TH08PW-AH



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

Connector No.	E7
Connector Name	INTELLIGENT POWER DISTRIBUTION MODULE (INTELLIGENT POWER)
Connector Type	TH20PW-CSI2-M4



Terminal No.	Color Of Wire	Signal Name [Specification]
48	L	-
49	B-G	-
51	Y	-
53	W	-
54	P	-

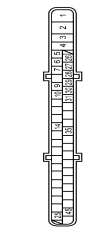
Terminal No.	Color Of Wire	Signal Name [Specification]
55	S-R	-
56	L-G	-
57	G	-
58	V	-
69	BR	-
70	B-G	-
74	P	-
75	S-R	-
77	R	-
80	W	-

Connector No.	E32
Connector Name	WASHER LEVEL SWITCH
Connector Type	Z0ZFBR



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

Connector No.	E41
Connector Name	REACTOR AND ELECTRICAL UNIT (REACTOR UNIT)
Connector Type	BMA4ZF-AH24-LH



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

Terminal No.	Color Of Wire	Signal Name [Specification]
6	B-G	DPFL
7	BR	DPFR
9	B	DPFR
10	W	DSFR
34	P	CAN-L
25	Y	BUS-L
26	LG	DPFL
27	GR	DSRL
28	G	DSRR
29	LG	DSRR
30	SR	BLS
31	R	VDC OFF SW
35	L	CAN-H
45	B	BUS-H

Connector No.	E47
Connector Name	BRAKE FLUID LEVEL SWITCH
Connector Type	FV0ZFGT



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

Connector No.	E57
Connector Name	ICC SENSOR INTEGRATED UNIT
Connector Type	RS09FB-PR



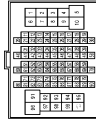
Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	IGNITION
2	L	ITS-COMM-H
3	L	CAN-H
4	B	GROUND
5	P	ITS-COMM-L
6	P	CAN-L

Connector No.	E76
Connector Name	AMBIENT SENSOR
Connector Type	RS02FB



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

Connector No.	E005
Connector Name	WIRE TO WIRE
Connector Type	TH80PW-CSI16-TM4



Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	W	-
3	B	-
4	GR	-
5	GR	-
8	Y	-
9	BR	-
10	RS	-

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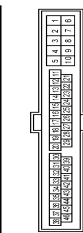
METER

Connector No.	F51
Connector Name	A/T ASSEMBLY
Connector Type	RK10FG-D6Y



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

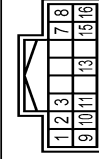
Connector No.	F103
Connector Name	WIRE TO WIRE
Connector Type	TK36FW-MS10



Terminal No.	Color Of Wire	Signal Name [Specification]
2	G	-
3	W	-
4	R	-
5	B	-
9	Y	-
10	GR	-
19	BG	-
20	F	-
28	B	-
29	LG	-

31	R	-
33	B	-
34	B	-
35	L	-
36	P	-
37	Y	-
38	G	-
43	P	-
44	L	-
45	Y	-
46	V	-

Connector No.	F108
Connector Name	AWD CONTROL UNIT
Connector Type	TH16FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	AWD SOL (+)
2	Y	AWD SOL (-)
3	W	OIL TEMP-
7	G	IGN
8	L	CAN-H
9	BG	AWD SOL BAT
10	B	GROUND
11	B	GROUND
13	LG	OIL TEMP+
15	Y	BATTERY
16	P	CAN-L

Connector No.	F301
Connector Name	TCM (TRANSMISSION CONTROL MODULE)
Connector Type	SP10FG



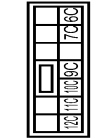
Terminal No.	Color Of Wire	Signal Name [Specification]
1	-	VIGN
2	-	BATT
3	-	CAN-H
4	-	K LINE
5	-	GROUND
6	-	VIGN
7	-	RET LAMP-REV
8	-	IGN
9	-	START-ELY
10	-	GROUND

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



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

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	-
13C	R	-
14C	B	-
15C	RG	-

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH80NW-CS16-TM4



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

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Connector No.	IM63
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
12	B	GROUND
13	B	METER CONTROL SWITCH GROUND
19	B	ILLUM
20	B	IGNITION SIGNAL
21	BG	GROUND
22	B	COMMUNICATION SIGNAL (LCD->AMP)
24	BR	COMMUNICATION SIGNAL (AMP->LCD)
25	Y	VEHICLE SPEED SIGNAL (8 PULSE)
26	R	PARKING BRAKE SWITCH SIGNAL
27	V	VEHICLE SPEED SIGNAL (8 PULSE)
28	W	SEAT BELT BUCKLE SWITCH SIGNAL (DRIVER SIDE)
29	S8	SEAT BELT BUCKLE SWITCH SIGNAL (PASSENGER SIDE)
30	G	WASHERLEVEL SWITCH SIGNAL
31	L	ILLUMINATION CONTROL SIGNAL
36	LG	SELECT SWITCH SIGNAL
37	S8	ENTER SWITCH SIGNAL
38	L	TRIP A/B RESET SWITCH SIGNAL
39	P	ILLUMINATION CONTROL SWITCH SIGNAL (-)
40	BG	ILLUMINATION CONTROL SWITCH SIGNAL (+)

Connector No.	IM64
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	S8	

Connector No.	IM65
Connector Name	TRIP A/B RESET SWITCH
Connector Type	TK02NW



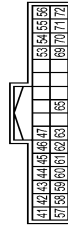
Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	
2	B	

Connector No.	IM66
Connector Name	UNIFIED METER AND A/C AMP.
Connector Type	TH40FW-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	S8	SEAT BELT BUCKLE SWITCH SIGNAL (DRIVER SIDE)
10	W	MANUAL MODE SIGNAL
11	G	NO-S-MANUAL MODE SIGNAL
14	BR	COMMUNICATION SIGNAL (LCD->AMP)
19	Y	VEHICLE SPEED SIGNAL
23	V	A/C AMP CONTROL SIGNAL
25	V	MANUAL MODE SHIFT DOWN SIGNAL
27	LG	COMMUNICATION SIGNAL (METER->AMP)
28	R	VEHICLE SPEED SIGNAL (8 PULSE)
30	V	PARKING BRAKE SWITCH SIGNAL
34	Y	COMMUNICATION SIGNAL (AMP->LCD)
38	P	BLOWER MOTOR CONTROL SIGNAL

Connector No.	IM67
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 / OUTSIDE COOLER FUELING SENSOR SIGNAL
53	G	IGNITION POWER SUPPLY
54	Y	BATTERY POWER SUPPLY
55	B	GROUND
56	L	CAN-H
57	W	BRAKE FLUID LEVEL SWITCH SIGNAL
58	BR	FUEL LEVEL SENSOR GROUND
59	GR	INTAKE SENSOR GROUND
60	L	IN-VEHICLE SENSOR GROUND
61	BR	AMBIENT SENSOR GROUND
62	S8	SUNLOAD SENSOR GROUND
63	R	
65	BG	ECV SIGNAL
69	L	A/C LAM SIGNAL
70	R	EACH DOOR MOTOR POWER SUPPLY
71	B	GROUND
72	P	CAN-L

Connector No.	IM67
Connector Name	ECM
Connector Type	HR246V-R2R-R-1H-Z



Terminal No.	Color Of Wire	Signal Name [Specification]
97	R	APP SEN 1
98	P	APP SEN 2 [Without LCC]
99	Y	APP SEN 2 [With LCC]
99	G	SENSOR POWER SUPPLY (APP SEN 1) [With LCC]
100	L	SENSOR POWER SUPPLY (APP SEN 2) [Without LCC]
101	W	SENSOR GROUND (APP SEN 1)
101	S8	ASCD STEERING SWITCH
102	LG	EVAP CONTROL SYSTEM PRESS SEN
103	G	SENSOR POWER SUPPLY (APP SEN 2) [Without LCC]
104	L	SENSOR POWER SUPPLY (APP SEN 2) [With LCC]
104	GR	SENSOR GROUND (APP SEN 2) [Without LCC]
105	L	REFRIGERANT PRESS SEN
106	W	FUEL TANK TEMP SEN
107	BR	SENSOR POWER SUPPLY (ASCD STEERING SWITCH)
108	Y	SENSOR GROUND (ASCD STEERING SWITCH)

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109	G	PNP AIRBAG
110	R	ENGINE SPEED OUTPUT SIGNAL
111	BG	SENSOR POWER SUPPLY (REFRIGERANT PRESS SEN)
112	V	SENSOR GROUND (EVAP CONTROL SYSTEM PRESS SEN)
113	P	CAN COMMUNICATION LINE
114	L	CAN COMMUNICATION LINE
116	W	SENSOR GROUND (REFRIGERANT PRESS SEN)
117	LG	DATA LINK CONNECTOR
121	V	EVAP CANISTER VENT CONTROL VALVE
122	P	STOP LAMP SWITCH
123	B	ECM GROUND
124	B	ECM GROUND
125	R	POWER SUPPLY FOR ECM
126	BR	ASC/D BRAKE SWITCH
127	B	ECV GROUND
128	B	ECV GROUND

Connector No.	M116
Connector Name	WIRE TO WIRE
Connector Type	TK65AW-ANS10



Terminal No.	Color Of Wire	Signal Name [Specification]
2	P	-
3	L	-
4	R	-
5	B	-
9	R	-
10	R	-
19	BG	-
20	Y	-
28	B	-
29	LG	-
31	W	-
33	B	-
34	B	-
35	L	-
36	Y	-
37	Y	-
38	G	-
43	P	-

44	L	-
45	BR	-
46	BG	-

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



Terminal No.	Color Of Wire	Signal Name [Specification]
72	R	ROOM ANT2
73	R	ROOM ANT
74	SR	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	NATS ANT AMP
81	W	NATS ANT AMP
82	R	IGN RELAY (FBI) CONT
83	Y	KEYLESS ENTRY RECEIVER COMM
87	BR	COMB SW INPUT 5
88	V	COMB SW INPUT 2
90	P	COMB SW INPUT 3
91	L	CAN-L
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	SR	DRIVER DOOR REQUEST SW
102	BG	BLOWER FAN MOTOR RELAY CONT
103	LG	KEYLESS ENTRY RECEIVER POWER SUPPLY
107	LG	COMB SW INPUT 1
108	R	COMB SW INPUT 4
109	R	COMB SW INPUT 2
110	G	THAZARD SW

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



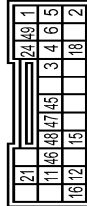
Terminal No.	Color Of Wire	Signal Name [Specification]
113	P	OPTICAL SENSOR
118	SR	STOP LAMP SW 1
119	P	STOP LAMP SW 2
121	BR	DR DOOR UNLOCK SENSOR
122	Y	KEY SLOT SW
123	LG	PASSENGER DOOR SW
124	SR	POWER WINDOW COMM
131	W	PUSH BUTTON (EXTRINSIC SW) ILL POWER
134	GR	LOCK IND
137	BG	RECEIVER SENSOR GND
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	COMB SW OUTPUT 5
143	P	COMB SW OUTPUT 1
144	G	COMB SW OUTPUT 2
145	L	COMB SW OUTPUT 3
146	SR	COMB SW OUTPUT 4
150	LG	DRIVER DOOR SW
151	G	REAR WINDOW DEFROGGER RELAY CONT

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	-
6	SR	-
8	SR	-
9	B	-
10	GR	-
11	R	-

Connector No.	M147
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	TK38FY-EX-SC



Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	IGN
2	B	GROUND
3	Y	DR1 (+)
4	Y	DR1 (-) DR2 (-)
5	Y	AS1 (+)
6	Y	AS1 (-)
11	SR	EC2 (+)
12	SR	EC2 (-)
15	BR	AIR BAG V/L
16	SHIELD	GROUND

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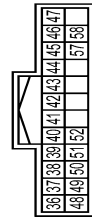
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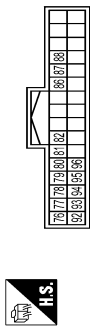
Terminal No.	Color Of Wire	Signal Name [Specification]
18	R	CUTOFF/TELETALE
21	L	CAN-H
24	G	SEAT BELT
45	Y	DR2 (+)
46	P	CAN-L
47	Y	AS2 (+)
48	Y	AS2 (-)
49	L	ODS INPUT

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



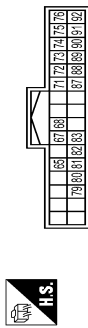
Terminal No.	Color Of Wire	Signal Name [Specification]
36	B	SIGNAL VCC
37	R	SIGNAL GND
38	R	HP
39	BR	COMM (DSP->CONT)
40	B	RGB AREA (S) SIGNAL
41	S	SHIELD
42	W	RGB SYNC
43	G	RGB (R,RED) SIGNAL
44	L	RGB (G,GREEN) SIGNAL
45	P	RGB (B,BLUE) SIGNAL
46	V	COMPOSITE IMAGE SIGNAL GND
47	S	COMPOSITE IMAGE SIGNAL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

Connector No.	M204
Connector Name	AV CONTROL UNIT
Connector Type	TH32FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
76	LG	AV COMM (L)
77	SB	AV COMM (H)
78	LG	AV COMM (L)
79	SB	AV COMM (H)
80	P	CAN-L
81	L	CAN-H
82	B	SW GND
83	S	SHIELD
84	L	TEL VOICE SIGNAL (L)
85	P	TEL VOICE SIGNAL (L)
86	R	VEHICLE SPEED SIGNAL (8-PULSE)
87	V	PARKING BRAKE SIGNAL
88	B	REVERSE SIGNAL
89	G	IGNITION SIGNAL
90	Y	DISK EFFECT SIGNAL

Connector No.	M210
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	S	SHIELD
72	R	MICROPHONE VCC

Terminal No.	Color Of Wire	Signal Name [Specification]
73	R	COMM (CONT->DSP)
74	P	CAN-L
75	LG	AV COMM (L)
76	LG	AV COMM (L)
79	R	ILLUMINATION
80	G	IGNITION SIGNAL
81	B	REVERSE SIGNAL
82	R	VEHICLE SPEED SIGNAL (8-PULSE)
83	S	SHIELD
87	G	MICROPHONE SIGNAL
88	S	SHIELD
89	G	COMM (DSP->CONT)
90	L	CAN-H
91	SB	AV COMM (H)
92	SB	AV COMM (H)

Fail-Safe

FAIL-SAFE

Combination meter performs fail-safe operation when unified meter and A/C amp. communication is malfunction.

Solution for communication error between the unified meter and A/C amp. and combination meter.

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COMBINATION METER

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Function		Specifications
Speedometer		Reset to zero by suspending communication.
Tachometer		
Fuel gauge		
Water temperature gauge		
Illumination control		When suspending communication, change to nighttime mode.
Information display		The display turns off by suspending communication.
Buzzer		The buzzer turns off by suspending communication.
Warning lamp/indicator lamp	ABS warning lamp	The lamp turns on by suspending communication.
	VDC warning lamp	
	Brake warning lamp	
	CRUISE warning lamp	
	IBA OFF indicator lamp	
	Malfunction indicator lamp	
	High beam indicator	The lamp turns off by suspending communication.
	Turn signal indicator lamp	
	Tail lamp indicator lamp	
	Oil pressure warning lamp	
	A/T CHECK warning lamp	
	AWD warning lamp	
	Low tire pressure warning lamp	
	Key warning lamp	
	VDC OFF indicator lamp	
	BSW warning lamp	
	AFS OFF indicator lamp	
	Lane departure warning lamp	
	LDP ON indicator lamp	
Master warning lamp		

DTC Index

INFOID:000000007689880

Refer to [MWI-107, "DTC Index"](#).

INTERIOR LIGHTING SYSTEM SYMPTOMS

< SYMPTOM DIAGNOSIS >

SYMPTOM DIAGNOSIS

INTERIOR LIGHTING SYSTEM SYMPTOMS

Symptom Table

INFOID:000000007458242

CAUTION:

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

Symptom	Possible cause	Inspection item
All the following lamps do not turn ON. <ul style="list-style-type: none"> • Map lamp • Personal lamp • 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-67 . 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-67 . Puddle lamp circuit Refer to INL-23 .
Interior room lamp timer does not activate. (It turns ON/ OFF when the door opens/closes.)	—	Check the interior room lamp setting. Refer to INL-17 .
Step lamps (driver side and passenger side) do not turn ON. (The map lamp and the personal lamp turn ON.) Step lamps (driver side and passenger side) do not turn OFF. (The map lamp and the personal lamp turn OFF.)	<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 .

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PRECAUTIONS

< PRECAUTION >

PRECAUTION

PRECAUTIONS

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

INFOID:000000007458243

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

WARNING:

Always observe the following items for preventing accidental activation.

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

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

WARNING:

Always observe the following items for preventing accidental activation.

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

MAP LAMP

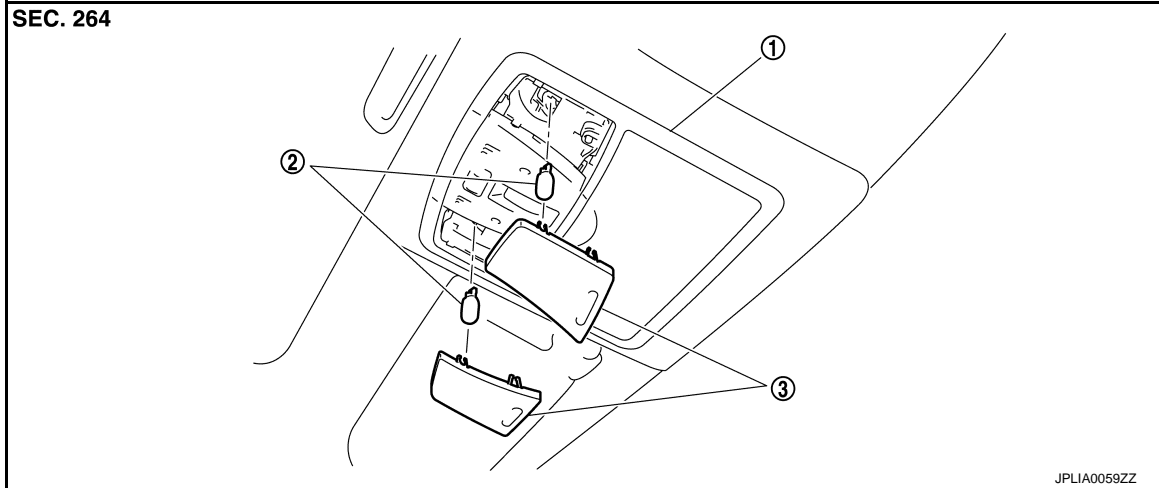
< REMOVAL AND INSTALLATION >

REMOVAL AND INSTALLATION

MAP LAMP

Exploded View

INFOID:000000007540867



1. Map lamp assembly

2. Bulb

3. Lens

Removal and Installation

INFOID:000000007540868

Refer to [INT-28. "NORMAL ROOF : Exploded View"](#) for the map lamp assembly installation/removal.

Replacement

INFOID:000000007540869

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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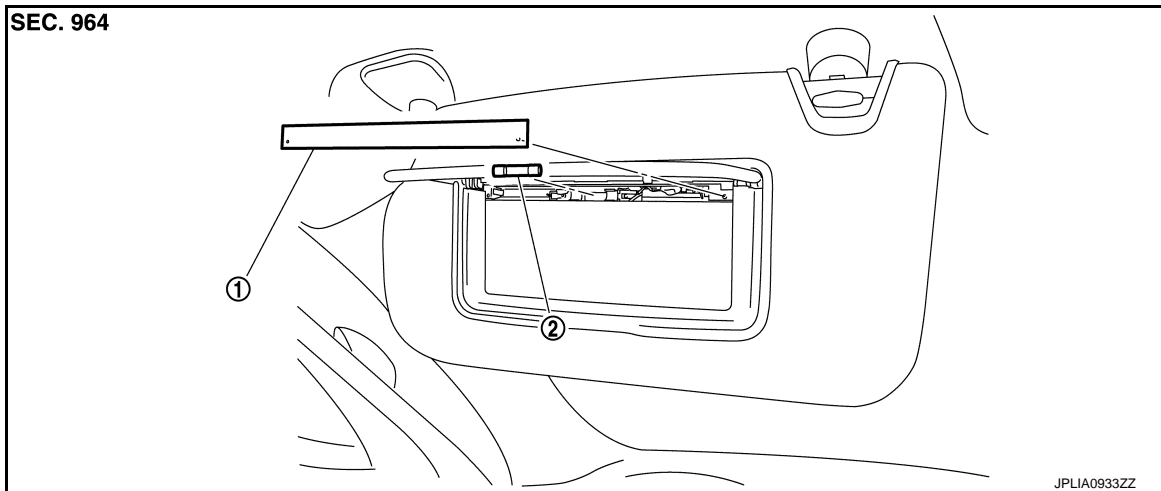
VANITY MIRROR LAMP

< REMOVAL AND INSTALLATION >

VANITY MIRROR LAMP

Exploded View

INFOID:000000007540870



1. Lens

2. Bulb

Replacement

INFOID:000000007540871

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.

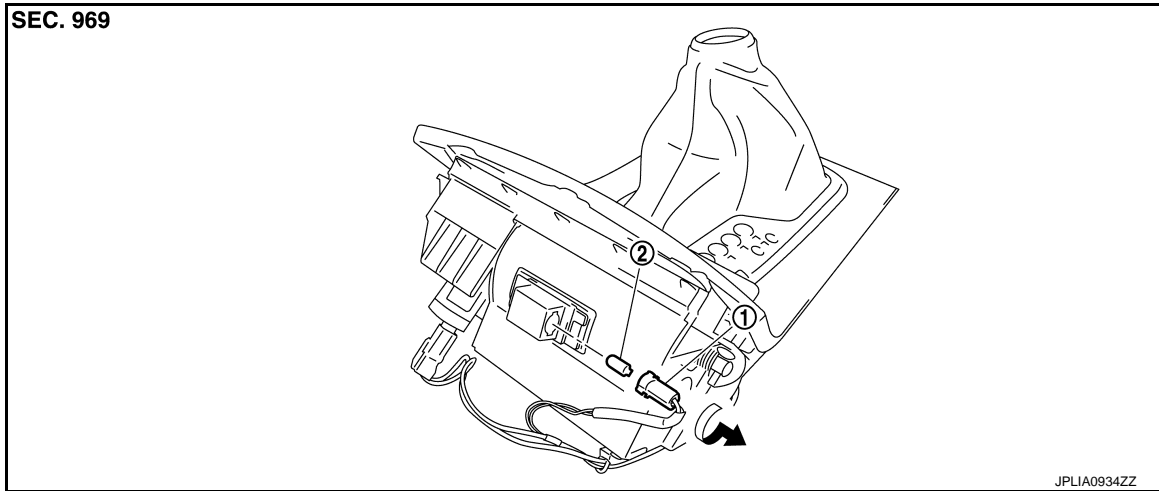
CIGARETTE LIGHTER ILLUMINATION

< REMOVAL AND INSTALLATION >

CIGARETTE LIGHTER ILLUMINATION

Exploded View

INFOID:000000007540872



1. Bulb socket

2. Bulb

Replacement

INFOID:000000007540873

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-23, "Removal and Installation"](#).
2. Rotate the bulb socket counterclockwise and unlock it.
3. Remove the bulb.

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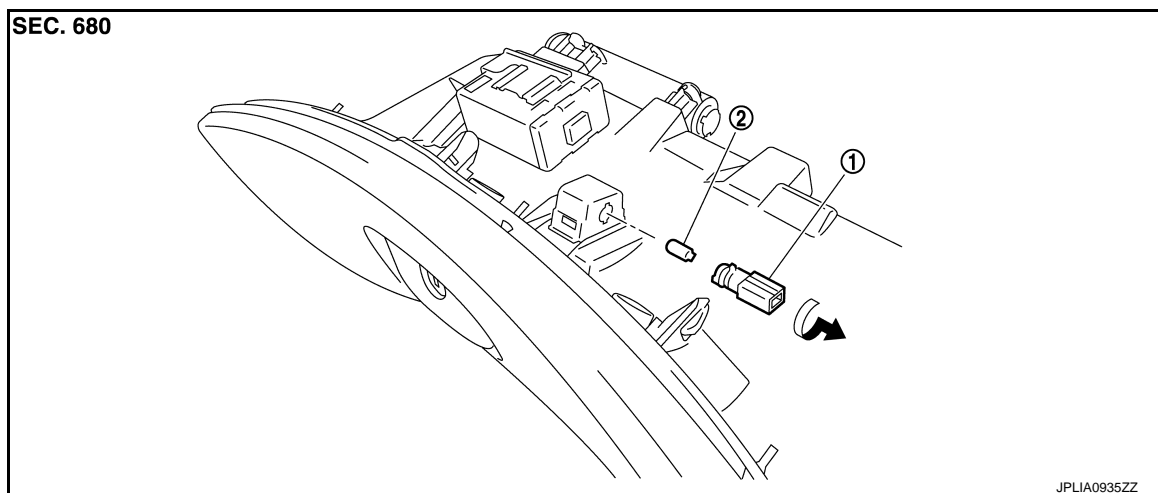
GLOVE BOX LAMP

< REMOVAL AND INSTALLATION >

GLOVE BOX LAMP

Exploded View

INFOID:000000007540874



1. Bulb socket

2. Bulb

Replacement

INFOID:000000007540875

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

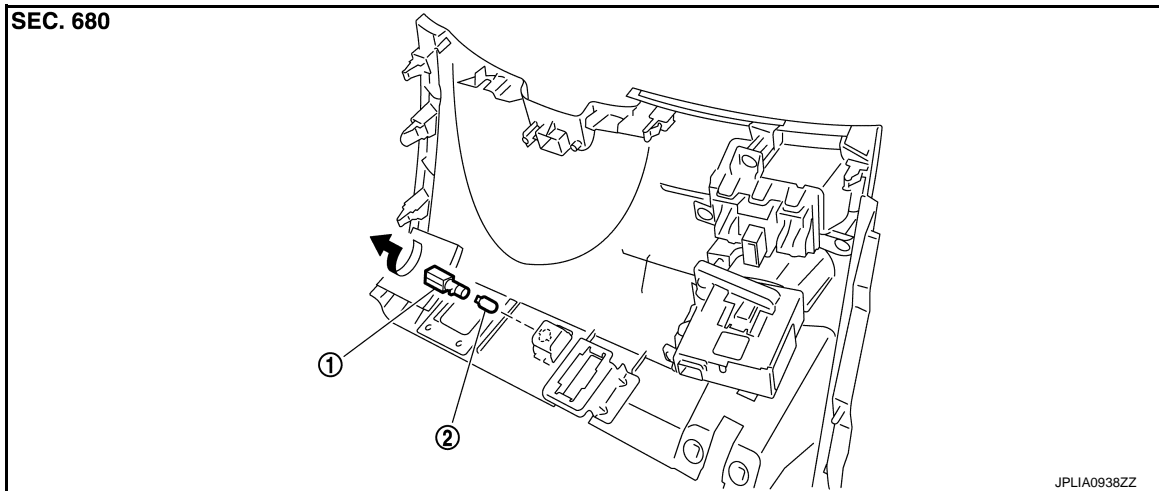
< REMOVAL AND INSTALLATION >

FOOT LAMP

DRIVER SIDE

DRIVER SIDE : Exploded View

INFOID:000000007540876



1. Bulb socket

2. Bulb

DRIVER SIDE : Replacement

INFOID:000000007540877

CAUTION:

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

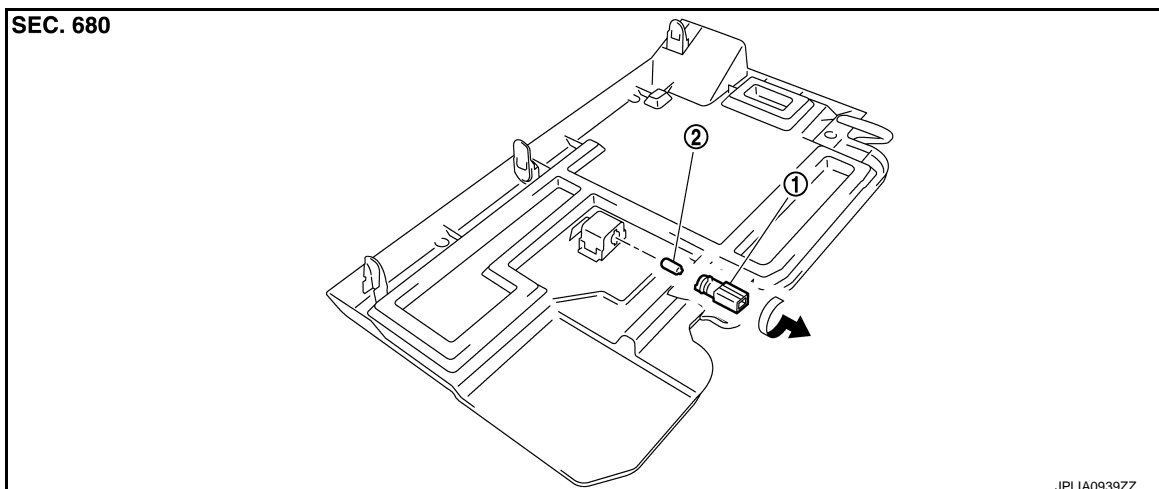
FOOT LAMP BULB (DRIVER SIDE)

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

PASSENGER SIDE

PASSENGER SIDE : Exploded View

INFOID:000000007540878



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FOOT LAMP

< REMOVAL AND INSTALLATION >

1. Bulb socket

2. Bulb

PASSENGER SIDE : Replacement

INFOID:000000007540879

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.

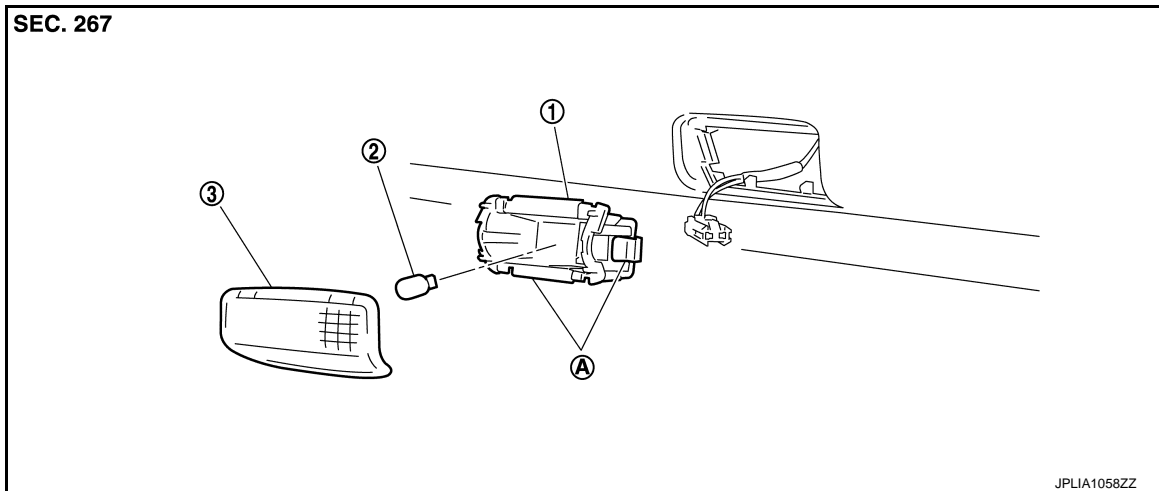
STEP LAMP

< REMOVAL AND INSTALLATION >

STEP LAMP

Exploded View

INFOID:000000007540880



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

Removal and Installation

INFOID:000000007540881

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:000000007540882

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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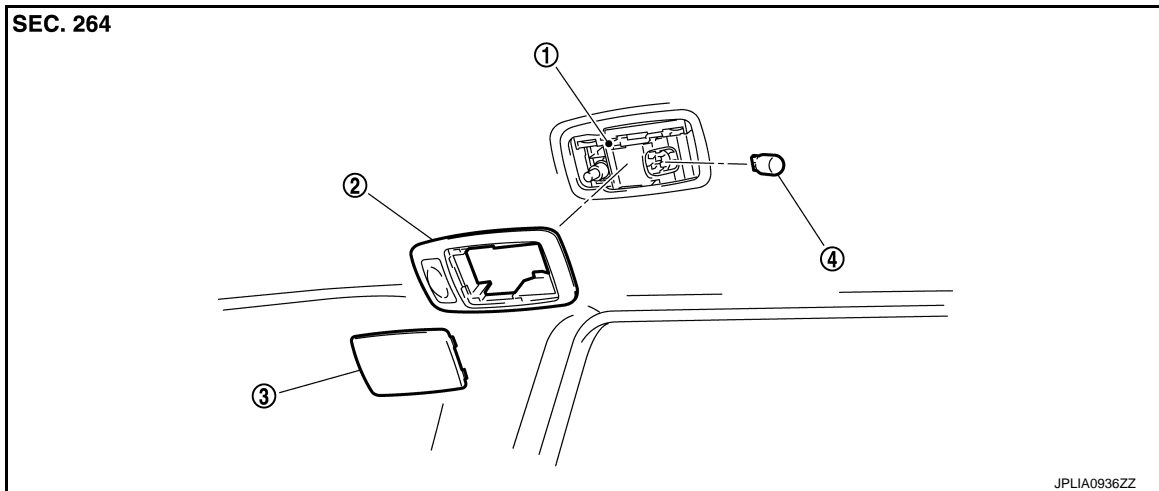
PERSONAL LAMP

< REMOVAL AND INSTALLATION >

PERSONAL LAMP

Exploded View

INFOID:000000007540883



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-28, "NORMAL ROOF : Exploded View"](#).

Removal and Installation

INFOID:000000007540884

CAUTION:

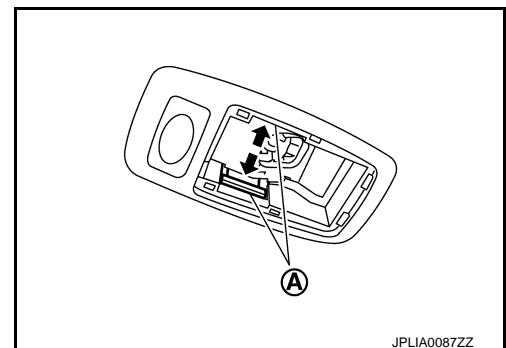
Disconnect the battery negative terminal or remove the fuse.

REMOVAL

1. Remove the headlining assembly. Refer to [INT-28, "NORMAL ROOF : Exploded View"](#).
2. Insert any appropriate tool into the gap between the lens. Remove the lens.
3. Press the both side pawls (A) to the arrow direction (←). Remove the personal lamp finisher.
4. Remove the personal lamp case from the headlining assembly.

NOTE:

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



INSTALLATION

Install in the reverse order of removal.

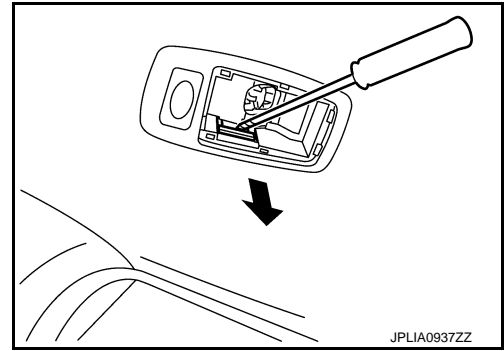
NOTE:

The following is easier to install the personal lamp finisher.

PERSONAL LAMP

< REMOVAL AND INSTALLATION >

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



Replacement

INFOID:000000007540885

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:000000007540886

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

- With ADP. Refer to [MIR-120, "Exploded View"](#).
- Without ADP. Refer to [MIR-140, "Exploded View"](#).

LUGGAGE ROOM LAMP

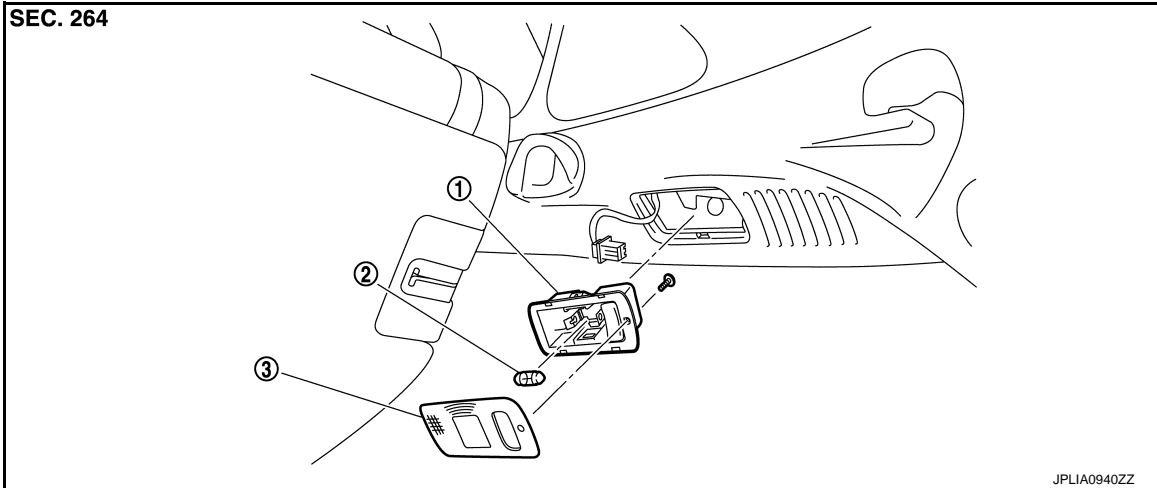
< REMOVAL AND INSTALLATION >

LUGGAGE ROOM LAMP

LUGGAGE SIDE

LUGGAGE SIDE : Exploded View

INFOID:000000007540887



1. Luggage room lamp (luggage side) housing

2. Bulb

3. Lens

LUGGAGE SIDE : Removal and Installation

INFOID:000000007540888

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:000000007540889

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-127, "LUGGAGE SIDE : Exploded View"](#).
2. Remove the screw. And then remove the lens.
3. Remove the bulb.

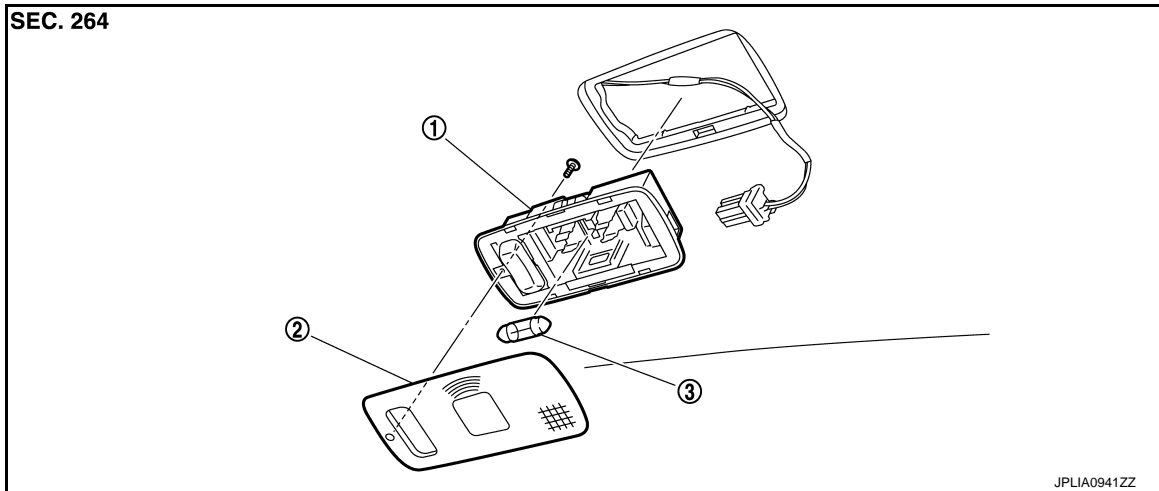
BACK DOOR SIDE

LUGGAGE ROOM LAMP

< REMOVAL AND INSTALLATION >

BACK DOOR SIDE : Exploded View

INFOID:000000007540890



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

BACK DOOR SIDE : Removal and Installation

INFOID:000000007540891

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:000000007540892

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-128, "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:000000007458270

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	8
Personal lamp	Wedge	8
Luggage room lamp	—	8

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