

SECTION **INL**

INTERIOR LIGHTING SYSTEM

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

CONTENTS

<p>BASIC INSPECTION 3</p> <p>DIAGNOSIS AND REPAIR WORK FLOW 3</p> <p style="padding-left: 20px;">Work Flow3</p> <p>SYSTEM DESCRIPTION 6</p> <p>INTERIOR ROOM LAMP CONTROL SYSTEM 6</p> <p style="padding-left: 20px;">System Diagram6</p> <p style="padding-left: 20px;">System Description6</p> <p style="padding-left: 20px;">Component Parts Location8</p> <p style="padding-left: 20px;">Component Description8</p> <p>INTERIOR ROOM LAMP BATTERY SAVER SYSTEM 9</p> <p style="padding-left: 20px;">System Diagram9</p> <p style="padding-left: 20px;">System Description9</p> <p style="padding-left: 20px;">Component Parts Location10</p> <p style="padding-left: 20px;">Component Description11</p> <p>ILLUMINATION CONTROL SYSTEM12</p> <p style="padding-left: 20px;">System Diagram12</p> <p style="padding-left: 20px;">System Description12</p> <p style="padding-left: 20px;">Component Parts Location13</p> <p style="padding-left: 20px;">Component Description13</p> <p>DIAGNOSIS SYSTEM (BCM)14</p> <p>COMMON ITEM14</p> <p style="padding-left: 20px;">COMMON ITEM : CONSULT Function (BCM - COMMON ITEM)14</p> <p>INT LAMP15</p> <p style="padding-left: 20px;">INT LAMP : CONSULT Function (BCM - INT LAMP)16</p> <p>BATTERY SAVER17</p> <p style="padding-left: 20px;">BATTERY SAVER : CONSULT Function (BCM - BATTERY SAVER)17</p> <p>DTC/CIRCUIT DIAGNOSIS20</p>	<p>POWER SUPPLY AND GROUND CIRCUIT20</p> <p>BCM20</p> <p style="padding-left: 20px;">BCM : Diagnosis Procedure20</p> <p>INTERIOR ROOM LAMP POWER SUPPLY CIRCUIT21</p> <p style="padding-left: 20px;">Description21</p> <p style="padding-left: 20px;">Component Function Check21</p> <p style="padding-left: 20px;">Diagnosis Procedure21</p> <p>INTERIOR ROOM LAMP CONTROL CIRCUIT23</p> <p style="padding-left: 20px;">Description23</p> <p style="padding-left: 20px;">Component Function Check23</p> <p style="padding-left: 20px;">Diagnosis Procedure23</p> <p>STEP LAMP CIRCUIT25</p> <p style="padding-left: 20px;">Description25</p> <p style="padding-left: 20px;">Component Function Check25</p> <p style="padding-left: 20px;">Diagnosis Procedure25</p> <p>PUSH-BUTTON IGNITION SWITCH ILLUMINATION CIRCUIT27</p> <p style="padding-left: 20px;">Description27</p> <p style="padding-left: 20px;">Component Function Check27</p> <p style="padding-left: 20px;">Diagnosis Procedure27</p> <p>INTERIOR ROOM LAMP CONTROL SYSTEM29</p> <p style="padding-left: 20px;">Wiring Diagram - INTERIOR ROOM LAMP -29</p> <p>ILLUMINATION40</p> <p style="padding-left: 20px;">Wiring Diagram - ILLUMINATION -40</p> <p>ECU DIAGNOSIS INFORMATION57</p> <p>BCM (BODY CONTROL MODULE)57</p> <p style="padding-left: 20px;">Reference Value57</p> <p style="padding-left: 20px;">Wiring Diagram - BCM -80</p> <p style="padding-left: 20px;">Fail-safe95</p> <p style="padding-left: 20px;">DTC Inspection Priority Chart96</p>
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DTC Index	97	FRONT DOOR GRIP : Replacement	126
COMBINATION METER	100	VANITY MIRROR LAMP	127
Reference Value	100	Exploded View	127
Wiring Diagram - METER -	106	Replacement	127
Fail-Safe	117	CONSOLE POCKET LAMP	128
DTC Index	118	Exploded View	128
SYMPTOM DIAGNOSIS	120	Replacement	128
INTERIOR LIGHTING SYSTEM SYMPTOMS. 120		ASHTRAY ILLUMINATION	129
Symptom Table	120	Exploded View	129
PRECAUTION	121	Replacement	129
PRECAUTIONS	121	GLOVE BOX LAMP	130
FOR USA AND CANADA	121	Exploded View	130
FOR USA AND CANADA : Precaution for Supple-		Replacement	130
mental Restraint System (SRS) "AIR BAG" and		STEP LAMP	131
"SEAT BELT PRE-TENSIONER"	121	Exploded View	131
FOR MEXICO	121	Removal and Installation	131
FOR MEXICO : Precaution for Supplemental Re-		Replacement	131
straint System (SRS) "AIR BAG" and "SEAT BELT		PERSONAL LAMP	132
PRE-TENSIONER"	121	Exploded View	132
Precautions for Removing of Battery Terminal	122	Removal and Installation	132
REMOVAL AND INSTALLATION	123	Replacement	133
MAP LAMP	123	LUGGAGE ROOM LAMP	134
Exploded View	123	Exploded View	134
Removal and Installation	124	Removal and Installation	134
Replacement	125	Replacement	134
MOOD LAMP	126	SERVICE DATA AND SPECIFICATIONS	
MAP LAMP	126	(SDS)	135
MAP LAMP : Replacement	126	SERVICE DATA AND SPECIFICATIONS	
FRONT DOOR GRIP	126	(SDS)	135
		Bulb Specifications	135

DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

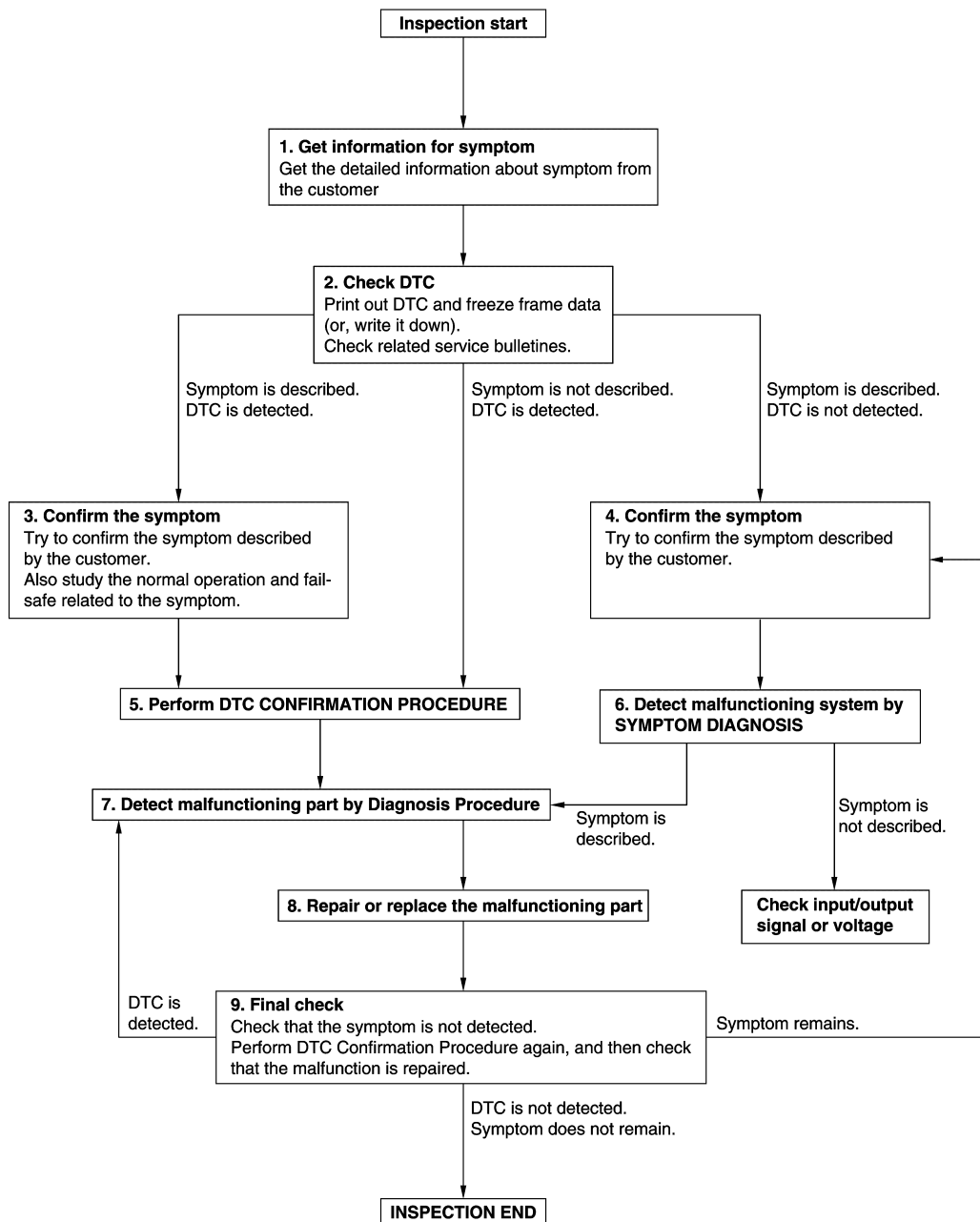
BASIC INSPECTION

DIAGNOSIS AND REPAIR WORK FLOW

Work Flow

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OVERALL SEQUENCE



DETAILED FLOW

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DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

1. GET INFORMATION FOR SYMPTOM

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

>> GO TO 2.

2. CHECK DTC

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

Are any symptoms described and any DTC detected?

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

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

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

3. CONFIRM THE SYMPTOM

Try to confirm the symptom described by the customer.

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

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

>> GO TO 5.

4. CONFIRM THE SYMPTOM

Try to confirm the symptom described by the customer.

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

>> GO TO 6.

5. PERFORM DTC CONFIRMATION PROCEDURE

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

NOTE:

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

Is DTC detected?

YES >> GO TO 7.

NO >> Check according to [GI-44. "Intermittent Incident"](#).

6. DETECT MALFUNCTIONING SYSTEM BY SYMPTOM DIAGNOSIS

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

Is the symptom described?

YES >> GO TO 7.

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

7. DETECT MALFUNCTIONING PART BY DIAGNOSIS PROCEDURE

DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

Inspect according to Diagnosis Procedure of the system.

Is malfunctioning part detected?

YES >> GO TO 8.

NO >> Check according to [GI-44. "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

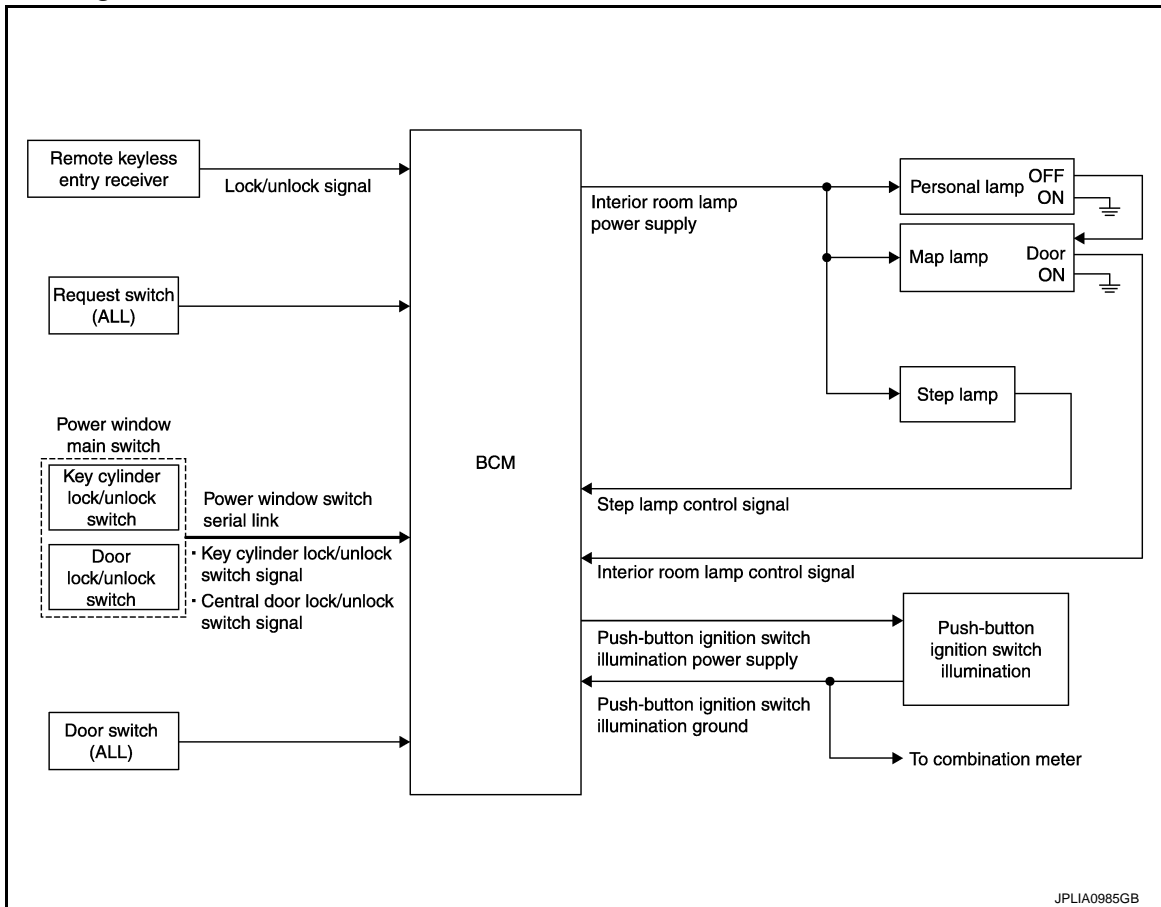
< SYSTEM DESCRIPTION >

SYSTEM DESCRIPTION

INTERIOR ROOM LAMP CONTROL SYSTEM

System Diagram

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System Description

INFOID:000000009718400

OUTLINE

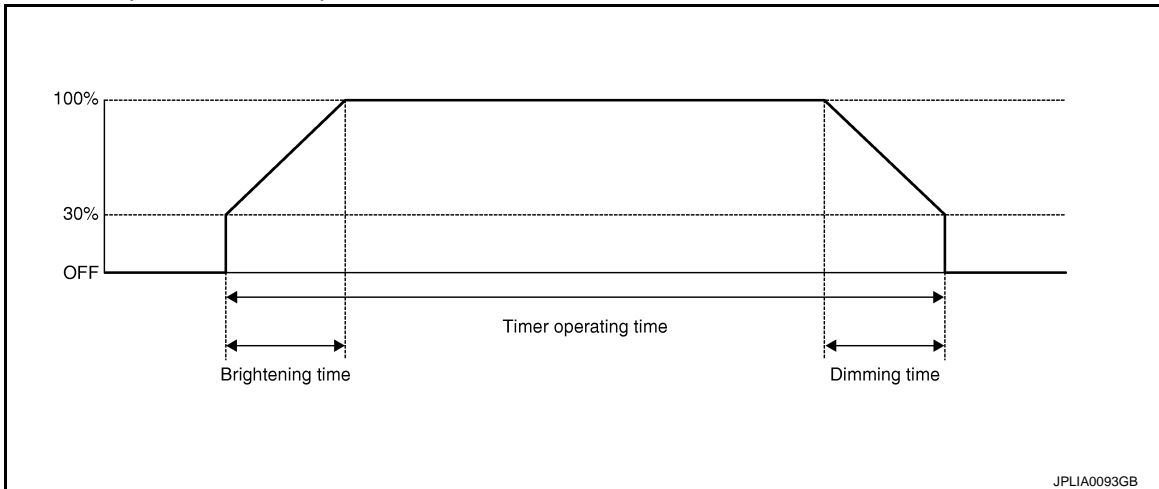
- Interior room lamps* are controlled by interior room lamp timer control function of BCM.
*: Map lamp and personal lamp (when map lamp switch is in DOOR position).
- Step lamp is controlled by step lamp control function of BCM.
- Push-button ignition switch illumination is controlled by the push-button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

INTERIOR ROOM LAMP TIMER CONTROL

INTERIOR ROOM LAMP 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 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-16, "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 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.

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

INTERIOR ROOM LAMP CONTROL SYSTEM

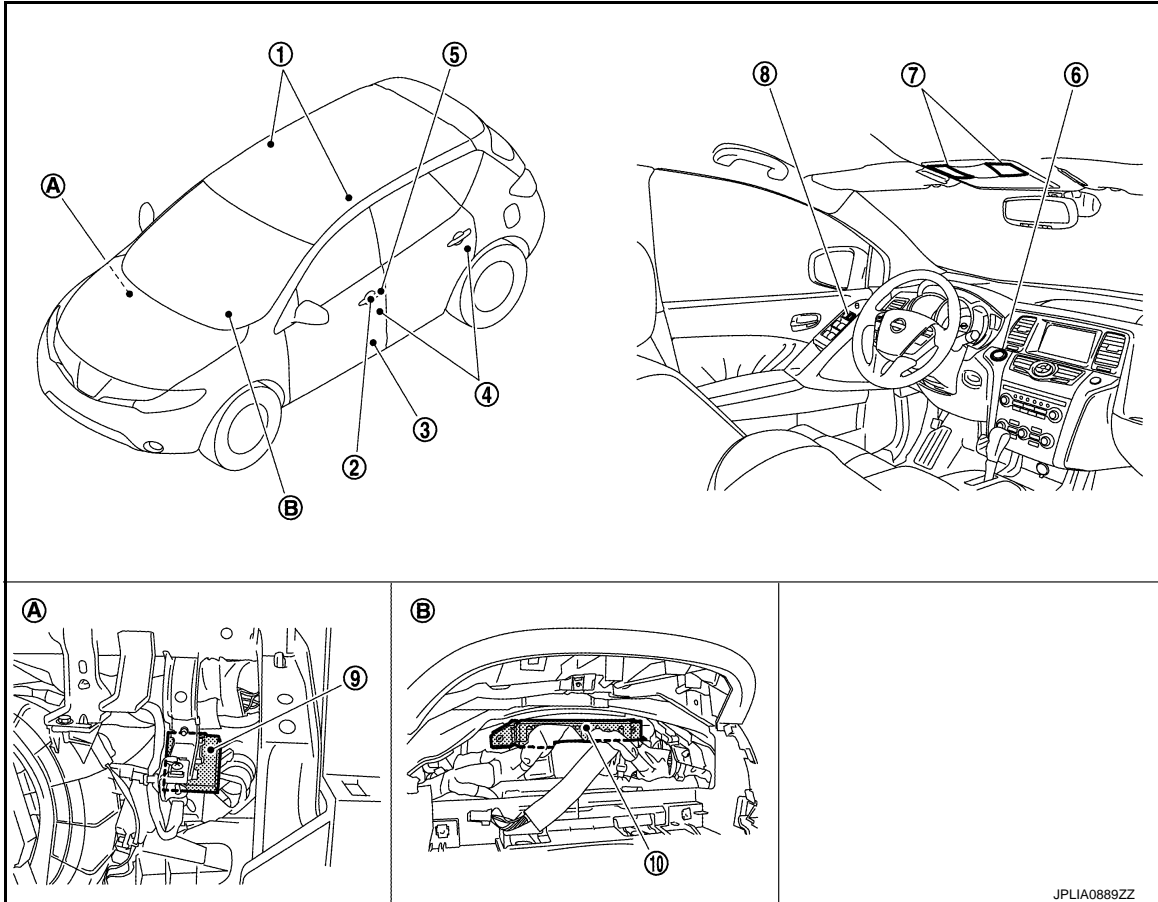
< SYSTEM DESCRIPTION >

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.

Component Parts Location

INFOID:000000009718401



- | | | |
|-----------------------|---------------------------------|---|
| 1. Personal lamp | 2. Request switch | 3. Step lamp |
| 4. Door switch | 5. Key cylinder switch | 6. Push-button ignition switch illumination |
| 7. Map lamp | 8. Door lock switch | 9. Remote keyless entry receiver |
| 10. BCM | | |
| A. Over the glove box | B. Behind the combination meter | |

Component Description

INFOID:000000009718402

Part	Description
BCM	<ul style="list-style-type: none"> • Activates the interior room lamp timer depending on the vehicle condition to turn the interior room lamp ON/OFF. • Turns the 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.

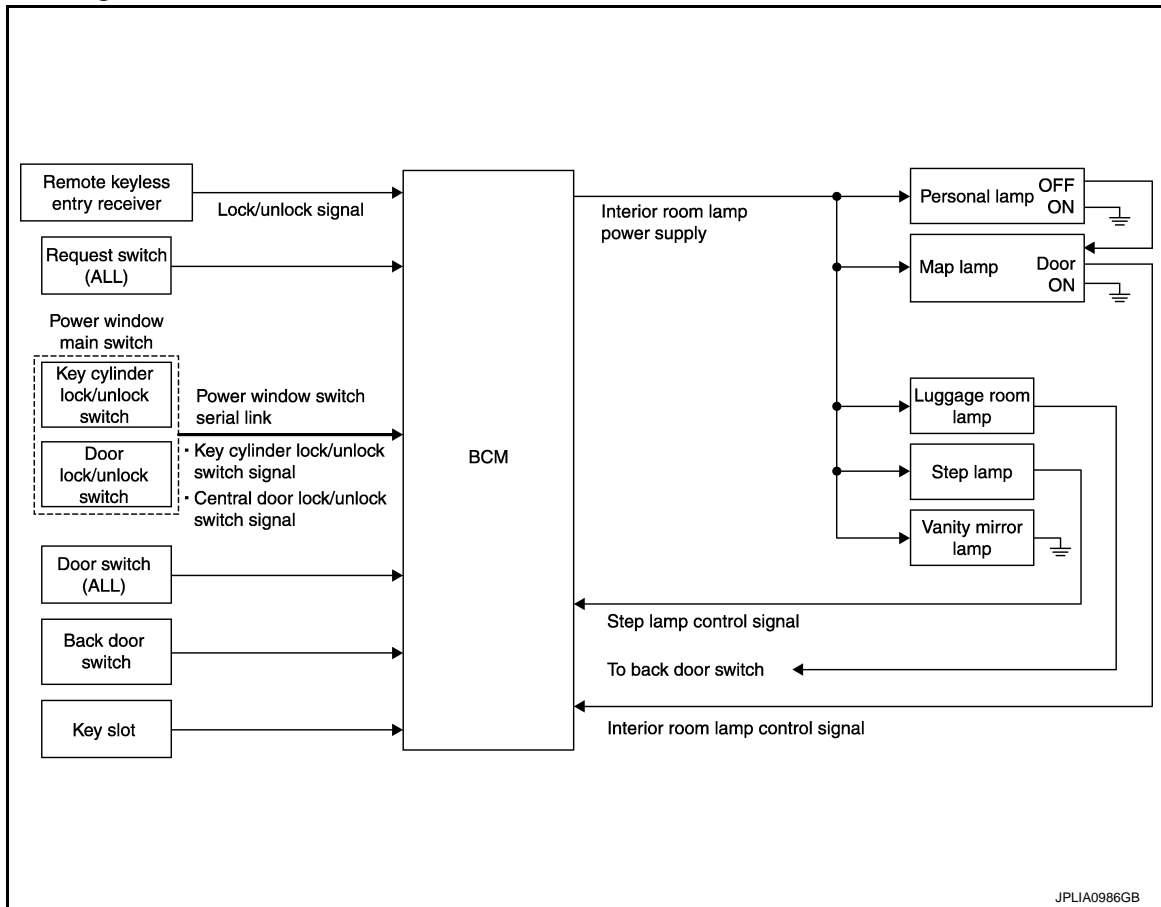
INTERIOR ROOM LAMP BATTERY SAVER SYSTEM

< SYSTEM DESCRIPTION >

INTERIOR ROOM LAMP BATTERY SAVER SYSTEM

System Diagram

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System Description

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OUTLINE

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

Applicable lamps

- Map lamp
- Personal lamp
- Step lamp
- 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.

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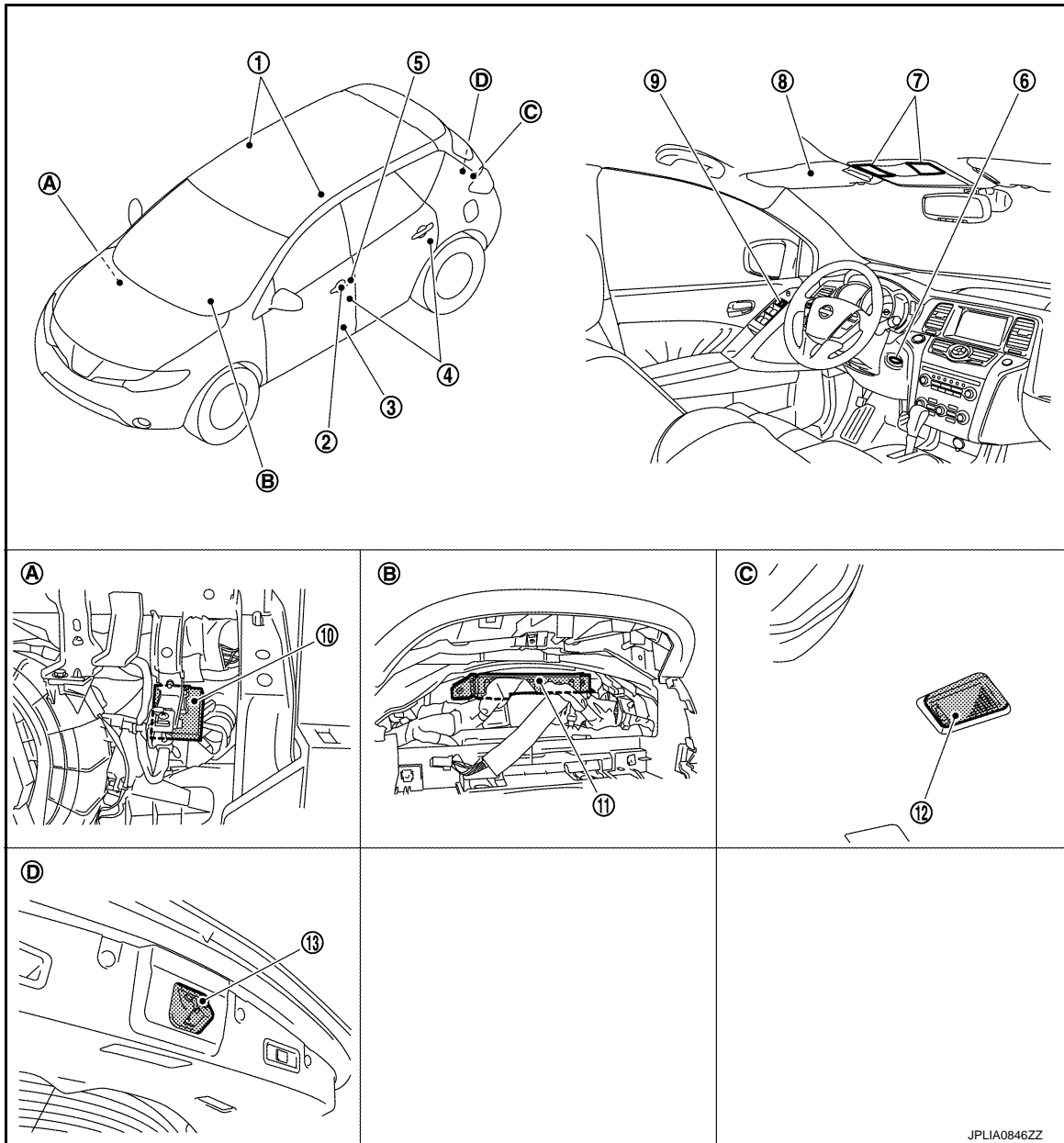
INTERIOR ROOM LAMP BATTERY SAVER SYSTEM

< SYSTEM DESCRIPTION >

Each function of interior room lamp battery saver can be set by CONSULT. Refer to [INL-17. "BATTERY SAVER : CONSULT Function \(BCM - BATTERY SAVER\)"](#).

Component Parts Location

INFOID:000000009718405



- | | | |
|-----------------------------------|---------------------------------|-----------------------|
| 1. Personal lamp | 2. Request switch | 3. Step lamp |
| 4. Door switch | 5. Key cylinder switch | 6. Key slot |
| 7. Map lamp | 8. Vanity mirror lamp | 9. Door lock switch |
| 10. Remote keyless entry receiver | 11. BCM | 12. Luggage room lamp |
| 13. Back door switch | | |
| A. Over the glove box | B. Behind the combination meter | C. Back door |
| D. Back door lock assembly | | |

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INTERIOR ROOM LAMP BATTERY SAVER SYSTEM

< SYSTEM DESCRIPTION >

Component Description

INFOID:000000009718406

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 Intelligent Key in status to BCM.

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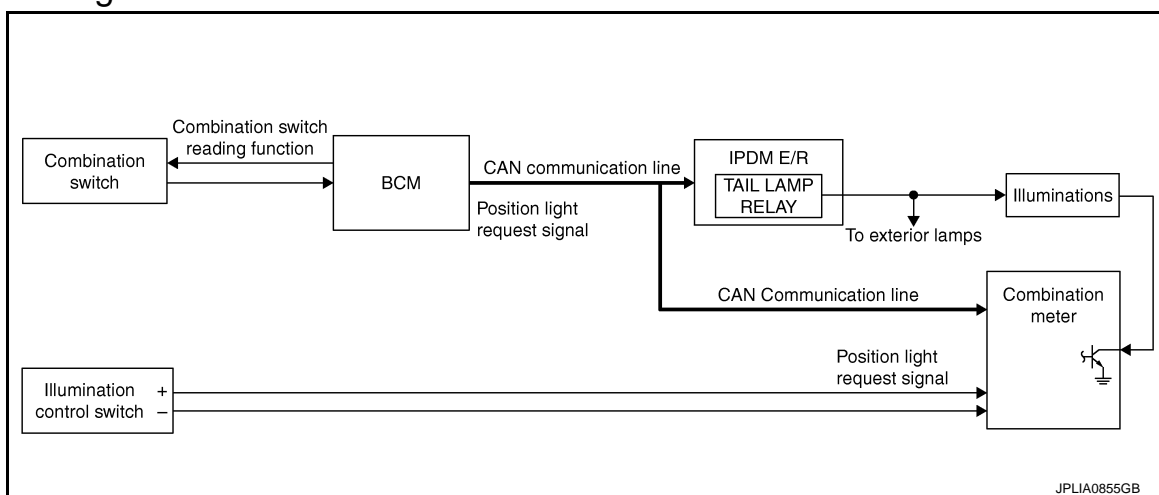
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ILLUMINATION CONTROL SYSTEM

< SYSTEM DESCRIPTION >

ILLUMINATION CONTROL SYSTEM

System Diagram



System Description

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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-24, "METER ILLUMINATION CONTROL : System Description"](#).)

ILLUMINATION CONTROL

- BCM detects the combination switch condition by the combination switch reading function.
- BCM transmits position light request signal to IPDM E/R and combination meter according to tail lamp ON condition.

Tail lamp ON condition

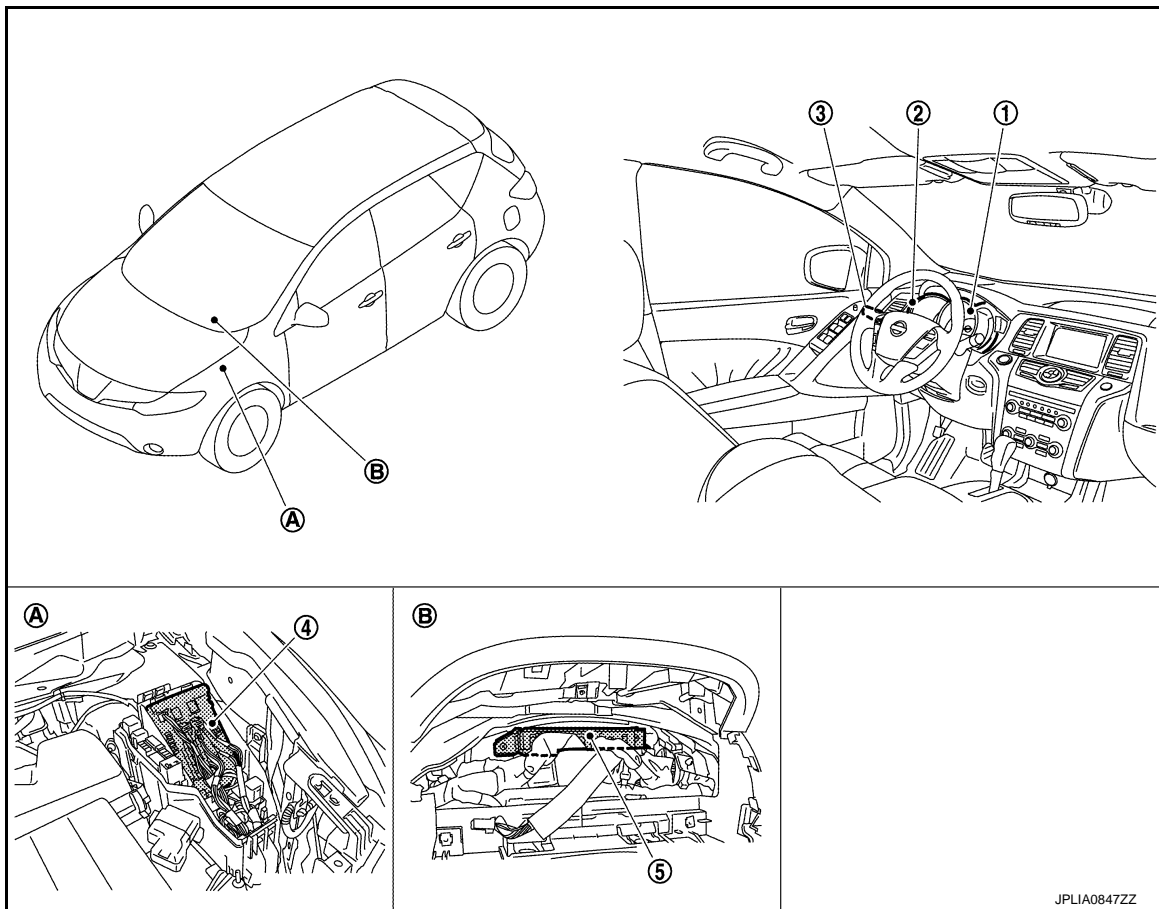
- Lighting switch 1ST
- Lighting switch 2ND
- Lighting switch AUTO, and the auto light function ON judgment (With auto light system)
- IPDM E/R turns the integrated tail lamp relay ON according to position light request signal. It provides the power supply to each illumination lamp.
- Combination meter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

ILLUMINATION CONTROL SYSTEM

< SYSTEM DESCRIPTION >

Component Parts Location

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1. Combination meter

4. IPDM E/R

A Engine room (LH)

2. Illumination control switch

5. BCM

B. Behind the combination meter

3. Combination switch

Component Description

INFOID:000000009718410

INL

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).
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-24, "METER ILLUMINATION CONTROL : System Description" .
Combination switch (Lighting & turn signal switch)	Refer to BCS-10, "System Description" .

DIAGNOSIS SYSTEM (BCM)

< SYSTEM DESCRIPTION >

DIAGNOSIS SYSTEM (BCM)

COMMON ITEM

COMMON ITEM : CONSULT Function (BCM - COMMON ITEM)

INFOID:000000010129264

APPLICATION ITEM

CONSULT performs the following functions via CAN communication with BCM.

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

SYSTEM APPLICATION

BCM can perform the following functions for each system.

NOTE:

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

×: Applicable item

System	Sub system selection item	Diagnosis mode		
		Work Support	Data Monitor	Active Test
Door lock	DOOR LOCK	×	×	×
Rear window defogger	REAR DEFOGGER		×	×
Warning chime	BUZZER		×	×
Interior room lamp timer	INT LAMP	×	×	×
Exterior lamp	HEAD LAMP	×	×	×
Wiper and washer	WIPER	×*1	×	×
Turn signal and hazard warning lamps	FLASHER	×	×	×
—	AIR CONDITONER*2			
<ul style="list-style-type: none"> Intelligent Key system Engine start system 	INTELLIGENT KEY	×	×	×
Combination switch	COMB SW		×	
Body control system	BCM	×		
NVIS - NATS	IMMU		×	×
Interior room lamp battery saver	BATTERY SAVER	×	×	×
Back door opener system	TRUNK		×	×
Vehicle security system	THEFT ALM	×	×	×
RAP system	RETAINED PWR		×	
Signal buffer system	SIGNAL BUFFER		×	×
TPMS	TPMS (AIR PRESSURE MONITOR)	×	×	×

NOTE:

- *1: For models with rain sensor this mode is displayed, but is not used.
- *2: This item is displayed, but is not used.

FREEZE FRAME DATA (FFD)

DIAGNOSIS SYSTEM (BCM)

< SYSTEM DESCRIPTION >

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

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

NOTE:

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

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

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

INT LAMP

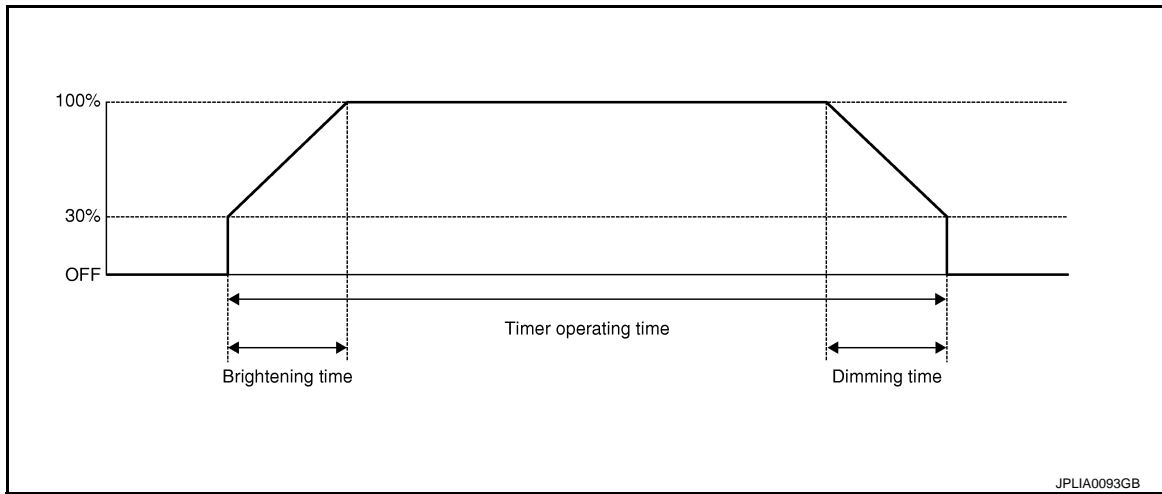
DIAGNOSIS SYSTEM (BCM)

< SYSTEM DESCRIPTION >

INT LAMP : CONSULT Function (BCM - INT LAMP)

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WORK SUPPORT



Service item	Setting item	Setting	
SET I/L D-UNLCK INTCON	ON*	With the interior room lamp timer function	
	OFF	Without the interior room lamp timer function	
ROOM LAMP TIMER SET	MODE 2	7.5 sec.	Sets the interior room lamp ON time. (Timer operating time)
	MODE 3*	15 sec.	
	MODE 4	30 sec.	
ROOM LAMP ON TIME SET	MODE 1	0.5 sec.	Sets the interior room lamp gradual brightening time.
	MODE 2*	1 sec.	
	MODE 3	2 sec.	
	MODE 4	3 sec.	
	MODE 5	0 sec.	
ROOM LAMP OFF TIME SET	MODE 1	0.5 sec.	Sets the interior room lamp gradual dimming time.
	MODE 2	1 sec.	
	MODE 3	2 sec.	
	MODE 4*	3 sec.	
	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.	

*: Factory setting

DATA MONITOR

NOTE:

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

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

DIAGNOSIS SYSTEM (BCM)

< SYSTEM DESCRIPTION >

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

ACTIVE TEST

Test item	Operation	Description
INT LAMP	On	Outputs the interior room lamp control signal to turn 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	NOTE: The item is displayed, but cannot be tested.
	Off	

BATTERY SAVER

BATTERY SAVER : CONSULT Function (BCM - BATTERY SAVER)

INFOID:000000009718413

WORK SUPPORT

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

DIAGNOSIS SYSTEM (BCM)

< SYSTEM DESCRIPTION >

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

*: Factory setting

DATA MONITOR

NOTE:

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

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

ACTIVE TEST

DIAGNOSIS SYSTEM (BCM)

< SYSTEM DESCRIPTION >

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.

A
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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:000000009718414

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	L
	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:000000009718415

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

Component Function Check

INFOID:000000009718416

1. CHECK INTERIOR ROOM LAMP POWER SUPPLY FUNCTION

CONSULT ACTIVE TEST

- Turn the ignition switch ON.
- Turn each interior room lamp ON.
 - Map lamp
 - Personal 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:000000009718417

1. CHECK INTERIOR ROOM LAMP POWER SUPPLY OUTPUT

CONSULT ACTIVE TEST

- Turn the 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 the ground.

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

Is the measurement value normal?

- YES >> GO TO 2.
NO >> Replace BCM.

2. CHECK INTERIOR ROOM LAMP POWER SUPPLY OPEN CIRCUIT

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

INTERIOR ROOM LAMP POWER SUPPLY CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

- 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	Map lamp	R19	1	Existed
		Personal lamp	R21	1	
		Vanity mirror lamp (driver side)	R24	2	
		Vanity mirror lamp (passenger side)	R10	2	
		Luggage room lamp (RH)	D156	2	
		Luggage room lamp (LH)	D157	2	
		Step lamp (driver side)	D17	1	
		Step lamp (passenger side)	D51	1	

Does continuity exist?

YES >> GO TO 3.

NO >> Repair the harnesses or connectors.

3. CHECK INTERIOR ROOM LAMP POWER SUPPLY SHORT CIRCUIT

Check continuity between BCM harness connector and the ground.

BCM		Ground	Continuity
Connector	Terminal		
M119	4		Not existed

Does continuity exist?

YES >> Repair the harnesses or connectors.

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

INTERIOR ROOM LAMP CONTROL CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

INTERIOR ROOM LAMP CONTROL CIRCUIT

Description

INFOID:000000009718418

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:000000009718419

CAUTION:

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

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

1.CHECK INTERIOR ROOM LAMP CONTROL FUNCTION

CONSULT ACTIVE TEST

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

On : Interior room lamp gradual brightening

Off : Interior room lamp gradual dimming

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

YES >> Interior room lamp control circuit is normal.

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

Diagnosis Procedure

INFOID:000000009718420

1.CHECK INTERIOR ROOM LAMP CONTROL OUTPUT

CONSULT ACTIVE TEST

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

2.CHECK INTERIOR ROOM LAMP CONTROL OPEN CIRCUIT

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

INTERIOR ROOM LAMP CONTROL CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

BCM		Map lamp/personal lamp			Continuity
Connector	Terminal	Connector		Terminal	
M119	19	Map lamp	R19	2	Existed
		Personal lamp	R21	3	

Does continuity exist?

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

NO >> Repair the harnesses or connectors.

3. CHECK INTERIOR ROOM LAMP CONTROL SHORT CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect BCM connector, map lamp connector and personal 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.

STEP LAMP CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

STEP LAMP CIRCUIT

Description

INFOID:000000009718421

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

Component Function Check

INFOID:000000009718422

CAUTION:

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

- Interior room lamp power supply
- Step lamp bulb

1.CHECK STEP LAMP OPERATION

CONSULT ACTIVE TEST

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

On : Step lamp ON

Off : Step lamp OFF

Does the step lamp turn ON/OFF?

- YES >> Step lamp circuit is normal.
NO >> Refer to [INL-25, "Diagnosis Procedure"](#).

Diagnosis Procedure

INFOID:000000009718423

1.CHECK STEP LAMP OUTPUT

CONSULT ACTIVE TEST

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

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

Is the measurement value normal?

- YES >> GO TO 2.
Fixed ON>>GO TO 3.
Fixed OFF>>Replace BCM.

2.CHECK STEP LAMP OPEN CIRCUIT

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

BCM		Step lamp			Continuity
Connector	Terminal	Connector	Terminal		
M119	7	Driver side	D17	2	Existed
		Passenger side	D51	2	

STEP LAMP CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

Does continuity exist?

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

3. CHECK STEP LAMP SHORT CIRCUIT

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

BCM		Ground	Continuity
Connector	Terminal		
M119	7		Not existed

Does continuity exist?

- YES >> Repair the harnesses or connectors.
NO >> Replace BCM.

PUSH-BUTTON IGNITION SWITCH ILLUMINATION CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

PUSH-BUTTON IGNITION SWITCH ILLUMINATION CIRCUIT

Description

INFOID:000000009718424

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

Component Function Check

INFOID:000000009718425

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-27, "Diagnosis Procedure"](#).

Diagnosis Procedure

INFOID:000000009718426

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	M101	2	Existed

Does the continuity exist?

- YES >> Replace BCM.
NO >> Repair the harness or the connector.

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

CONSULT ACTIVE TEST

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

PUSH-BUTTON IGNITION SWITCH ILLUMINATION CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

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

Is the measurement value normal?

YES >> GO TO 4.

NO >> GO TO 5.

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

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

BCM		Push-button ignition switch		Continuity
Connector	Terminal	Connector	Terminal	
M123	133	M101	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 ground.

BCM		Ground	Continuity
Connector	Terminal		
M123	133		Not existed

Does the continuity exist?

YES >> Repair the harness or the connector.

NO >> Replace BCM.

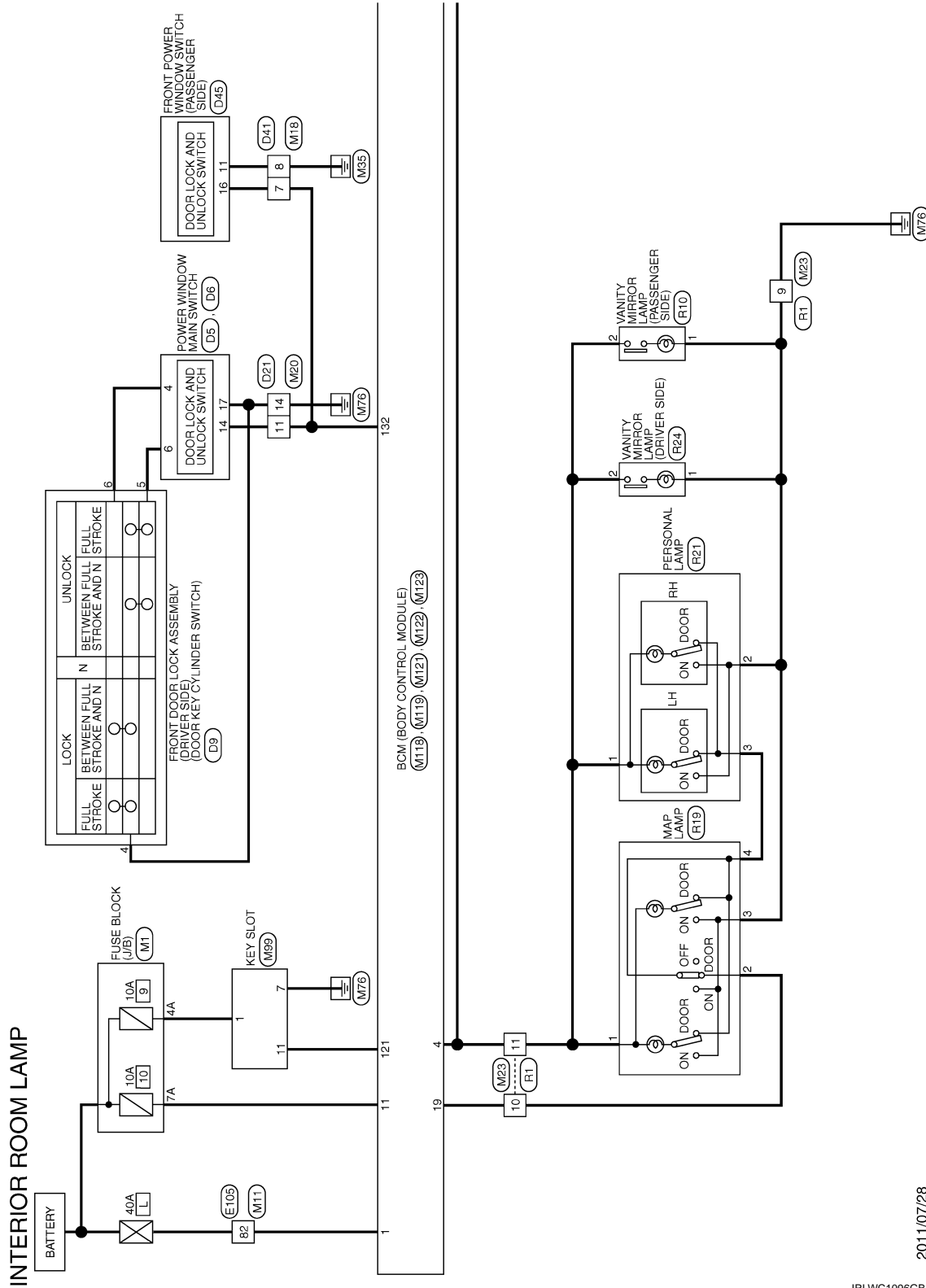
INTERIOR ROOM LAMP CONTROL SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

INTERIOR ROOM LAMP CONTROL SYSTEM

Wiring Diagram - INTERIOR ROOM LAMP -

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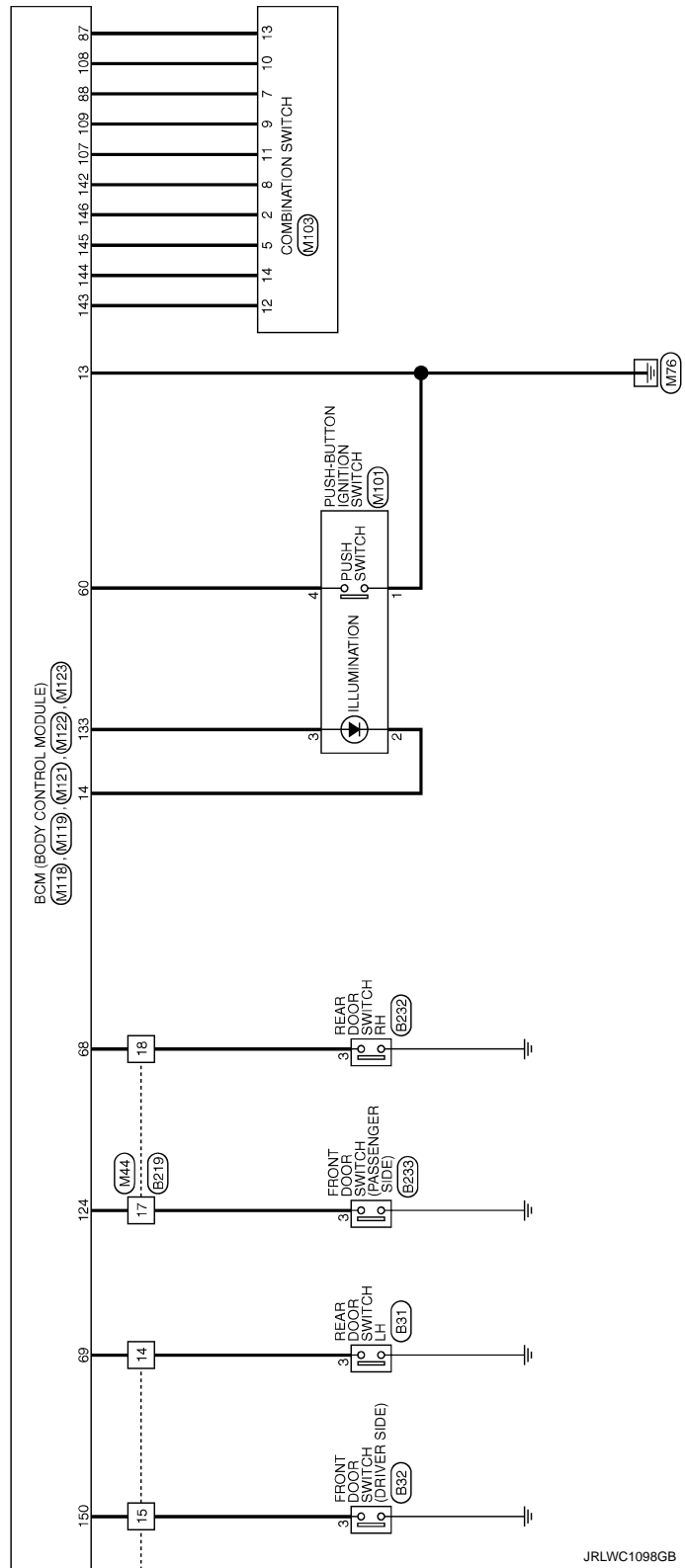


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INTERIOR ROOM LAMP CONTROL SYSTEM

< DTC/CIRCUIT DIAGNOSIS >



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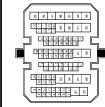
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INTERIOR ROOM LAMP CONTROL SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

INTERIOR ROOM LAMP

Connector No.	B11
Connector Name	WIRE TO WIRE
Connector Type	TH88MM-C519



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

42	G	
43	G	
44	LG	
45	LG	
46	SB	
47	V	
48	GR	
49	SHIELD	
50	B	
51	BR	
52	G	
53	R/W	
54	R	
55	R/L	
56	BR	
57	L	
58	R	
59	R	
59	SHIELD	
60	B	
61	R/L	
62	R/W	
63	LG	
64	BR	
65	R	
66	L	
66	V	
67	G	
67	GR	
68	BR	
68	R	
69	SHIELD	
70	W/R	
71	B/R	
72	Y	
73	LG	
74	SB	
75	L	
76	G	
77	R	
78	B	
80	W	
81	R	
82	L	

Connector No.	B31
Connector Name	REAR DOOR SWITCH LH
Connector Type	TH84FW-NH



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

Connector No.	B32
Connector Name	FRONT DOOR SWITCH (DRIVER SIDE)
Connector Type	TH84FW-NH



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

Connector No.	B13
Connector Name	DIODE
Connector Type	Z4335 G9602



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

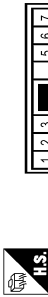
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INTERIOR ROOM LAMP CONTROL SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

INTERIOR ROOM LAMP

Connector No.	B28
Connector Name	WIRE TO WIRE
Connector Type	NS18MW-CS



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

Connector No.	B219
Connector Name	WIRE TO WIRE
Connector Type	TH32MW-NH



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

Terminal No.	Color Of Wire	Signal Name [Specification]
7	GR-V	-
8	SHIELD	-
9	SHIELD	-
10	GR-V	-
11	W-L	-
12	SHIELD	-
13	SB	-
14	SB	-
15	SB	-
16	Y	-
17	R	-
18	W	-
29	G	-
30	P	-
31	V	-
32	BR	-

Connector No.	B232
Connector Name	REAR DOOR SWITCH RH
Connector Type	TH04FW-NH



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

Connector No.	B233
Connector Name	FRONT DOOR SWITCH (PASSENGER SIDE)
Connector Type	TH04FW-NH



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

Connector No.	D5
Connector Name	POWER WINDOW MAIN SWITCH
Connector Type	NS18FW-CS



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

Connector No.	D6
Connector Name	POWER WINDOW MAIN SWITCH
Connector Type	NS18FW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
16	RS	-
17	RS	-
19	LG	-

Connector No.	D9
Connector Name	FRONT DOOR LOCK ASSEMBLY (DRIVER SIDE)
Connector Type	ED08FY-RS



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

Connector No.	D17
Connector Name	STEP LAMP (DRIVER SIDE)
Connector Type	C22FW



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

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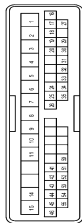
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INTERIOR ROOM LAMP CONTROL SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

INTERIOR ROOM LAMP

Connector No.	D21
Connector Name	WIRE TO WIRE
Connector Type	TH48PW-CS15



Terminal No.	Color Of Wire	Signal Name [Specification]
1	V	
2	G	
3	P	
4	B	
5	W	
6	SB	
7	P	
8	BR	
9	GR	
10	V	
11	O	
14	B	
15	LG	
16	G	
17	S	
18	GR	
19	BR	
20	LG	
24	P	
25	V	
26	W	
27	R	
29	V	
30	SB	
31	BR	
32	R	
33	G	
34	Y	
37	L	
41	P	
42	GR	
43	L	
44	W	
45	SB	
46	R	
50	V	

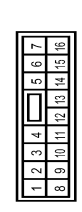
51	O	--	[Without automatic drive positioner]
52	L	--	[Without automatic drive positioner]
53	P	--	[Without automatic drive positioner]
54	LG	--	[Without automatic drive positioner]
54	SB	--	[Without automatic drive positioner]
55	LG	--	[Without automatic drive positioner]
55	O	--	[Without automatic drive positioner]

Connector No.	D41
Connector Name	WIRE TO WIRE
Connector Type	TH48PW-CS15



Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	
2	V	
4	B	
8	P	
7	O	
8	B	
16	G	
17	Y	
18	GR	
19	BR	
20	LG	
24	LG	
25	W	
28	O	
28	G	
29	SB	
30	BR	
32	R	
33	G	
34	Y	
35	L	

Connector No.	D45
Connector Name	FRONT POWER WINDOW SWITCH (PASSENGER SIDE)
Connector Type	NS18PW-CS



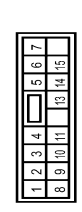
Terminal No.	Color Of Wire	Signal Name [Specification]
3	R	
8	L	
9	LG	
10	P	
11	B	
12	Y	
15	G	
16	O	

Connector No.	D51
Connector Name	STEP LAMP (PASSENGER SIDE)
Connector Type	CS2PW



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

Connector No.	D153
Connector Name	WIRE TO WIRE
Connector Type	NS18PW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
2	LG	
3	V	
5	R	
6	V	
8	B	
9	L	
10	R	
11	O	
12	W	
13	GR	
14	G	
15	O	
16	BR	

Connector No.	D155
Connector Name	LUGGAGE ROOM LAMP RH
Connector Type	CJ08FW



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

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INTERIOR ROOM LAMP CONTROL SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

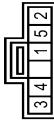
INTERIOR ROOM LAMP

Connector No.	D157
Connector Name	LUGGAGE ROOM LAMP LH
Connector Type	C3J4FW



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

Connector No.	D178
Connector Name	AUTOMATIC BACK DOOR CLOSE SWITCH
Connector Type	TK0RBEQY



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

Connector No.	D179
Connector Name	BACK DOOR LOCK ASSEMBLY
Connector Type	NS38FW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	R	-
4	G	-
5	L	-
6	W	-
7	LG	-
8	B	-

Connector No.	D180
Connector Name	BACK DOOR LOCK ASSEMBLY
Connector Type	NS34FW-CS



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

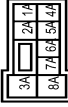
Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	TH10MM-CS10-M3



Terminal No.	Color Of Wire	Signal Name [Specification]
3	L	-
4	LG	-
5	GR	-
6	G	-
8	P	-
11	L	-
12	L	-
13	Y	-
14	O	-
15	BR	-
20	Y	-
21	BR	-
22	P	-
24	L	-
25	O	-
28	SB	-
30	Y	-
32	Y	-
38	R	-
39	L	-
40	B	-
47	P	-
48	L	-
49	SB	-
50	GR	-
51	LG	-
52	V	-
53	GR	-
54	BR	-
55	W	-
56	W/L	-
60	V	-
61	BR	-
62	O	-
63	L/O	-
64	SHIELD	-
65	W	-

67	BR	-
68	SB	-
69	SB	-
70	GR	-
71	SB	-
72	Y	-
73	L	-
74	W	-
75	BR	-
76	GR	-
77	O	-
78	G	- [With iPod without navigation system]
78	Y	- [Without iPod and navigation system]
79	Y	-
80	W	-
82	LG	-
83	O	-

Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS38FW-M2



Terminal No.	Color Of Wire	Signal Name [Specification]
1A	Y	-
2A	G	-
3A	Y	-
4A	GR	-
7A	LG	-
8A	Y	-

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INTERIOR ROOM LAMP CONTROL SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

INTERIOR ROOM LAMP

Connector No.	M4
Connector Name	DATA LINK CONNECTOR
Connector Type	BD18EW



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

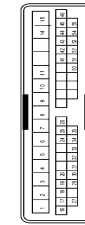
Connector No.	M11
Connector Name	WIRE TO WIRE
Connector Type	TH17BFL-CSI:U-M3



Terminal No.	Color Of Wire	Signal Name [Specification]
3	P	-
5	BR	-
8	O	-
9	G	-
11	P	-
12	L	-
13	V	-
14	Y	-
15	R	-
20	W	- [Without colour display]

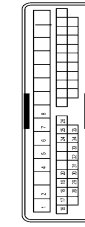
Terminal No.	Color Of Wire	Signal Name [Specification]
20	Y	- [With colour display]
21	BR	-
22	LG	-
24	L	-
25	L	-
26	BR	-
29	L	-
30	R	-
36	R	-
38	L	-
40	B	-
47	P	-
48	L	-
49	W	-
50	GR	-
52	G	-
53	V	-
54	SB	-
55	P	-
56	LG	-
60	V	-
61	GR	-
62	BR	-
63	V	-
64	SHIELD	-
66	W	-
67	R	-
68	P	-
69	P	-
70	G	-
71	G	-
72	BR	-
73	L	-
74	W	-
75	BR	-
76	R	-
77	G	-
78	Y	-
79	G	-
80	R	-
81	W	-
82	W	-
83	BG	-

Connector No.	M13
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-CSI5



Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	Y	-
3	W	-
4	L	- [With IPod without BOSE system]
4	W	- [With BOSE system and base audio without iPod]
5	B	- [With BOSE system]
5	BR	- [Without iPod and BOSE system]
5	W	- [With iPod without BOSE system]
6	GR	-
7	G	-
8	B	-
16	W	-
17	Y	-
18	W	-
19	R	-
20	GR	-
24	LG	-
25	Y	-
26	P	-
28	R	-
29	GR	-
30	G	-
31	V	-
32	Y	-
33	P	-
34	BR	-
35	R	-

Connector No.	M29
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-CSI5



Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	Y	-
3	W	-
4	B	- [With BOSE system and base audio without iPod]
4	R	- [With iPod without BOSE system]
5	G	-
5	L	- [With BOSE system and base audio without iPod]
6	V	-
7	BR	-
8	W	-
9	SB	-
10	L	-
11	G	-
14	B	-
18	GR	-
19	Y	-
18	W	-
19	Y	-
20	SB	-
24	P	-
25	V	-
26	W	-
27	R	-
29	R	-
30	L	-
31	SB	-
32	W	-
33	BR	-
35	R	-
41	LG	-
42	LG	-
43	BR	-
44	Y	-
45	P	-

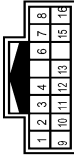
INTERIOR ROOM LAMP CONTROL SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

INTERIOR ROOM LAMP

46	P	-
49	V	-
50	BG	- [With automatic drive positioner]
52	GR	- [Without automatic drive positioner]
52	R	- [With automatic drive positioner]
53	L	- [Without automatic drive positioner]
53	V	- [With automatic drive positioner]
54	G	- [Without automatic drive positioner]
54	LG	- [With automatic drive positioner]
55	GR	- [Without automatic drive positioner]
55	SB	- [With automatic drive positioner]

Connector No.	M23
Connector Name	WIRE TO WIRE
Connector Type	TH18BMF-NH



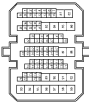
Terminal No.	Color	Wire	Signal Name [Specification]
1	W	-	-
2	R	-	- [Without navigation system]
2	SHIELD	-	- [With navigation system]
3	SHIELD	-	-
4	SHIELD	-	-
6	R	-	-
7	Y	-	-
8	Y	-	-
9	B	-	-
10	Y	-	-
11	P	-	-
12	L	-	-
13	SB	-	-
15	G	-	-
16	R	-	-

Connector No.	M44
Connector Name	WIRE TO WIRE
Connector Type	TH132FW-NH



Terminal No.	Color	Wire	Signal Name [Specification]
1	G	-	-
2	SHIELD	-	-
3	W	-	-
4	B	-	-
5	W	-	-
6	SHIELD	-	-
7	L	-	-
8	R	-	-
9	SHIELD	-	-
10	V	-	-
11	LG	-	-
12	SHIELD	-	-
13	P	-	-
14	R	-	-
15	LG	-	-
15	SB	-	-
16	R	-	-
16	W	-	-
18	L	-	-
19	P	-	-
20	BG	-	-
30	BG	-	-
31	Y	-	-
32	V	-	-

Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	TH86FW-CS19



Terminal No.	Color	Wire	Signal Name [Specification]
1	SHIELD	-	-
2	W	-	-
3	W	-	-
4	R	-	-
6	W	-	-
7	G	-	-
8	SHIELD	-	-
9	W	-	-
10	R	-	-
11	G	-	-
12	B	-	-
13	P	-	-
14	R	-	-
15	SB	-	-
16	R	-	-
18	W	-	-
19	P	-	-
20	LG	-	-
21	Y	-	-
22	BR	-	-
23	LG	-	-
24	SB	-	-
25	Y	-	-
27	Y	-	-
28	R	-	-
30	Y	-	-
31	W	-	-
32	BR	-	-
36	G	-	-
37	Y	-	-
40	BR	-	-
41	LG	-	-
42	SB	-	-

46	G	-
49	LG	-
49	SB	-
49	Y	-
47	GR	-
48	SHIELD	-
49	BR	-
50	R	-
50	LG	-
50	R	-
51	R	-
51	V	-
52	B	-
53	BR	-
54	B	-
52	G	-
52	L	-
57	L	-
58	SB	-
59	R	-
59	SHIELD	-
60	B	-
60	Y	-
61	R	-
62	W	-
63	LG	-
64	Y	-
65	R	-
65	V	-
66	Y	-
68	Y	-
67	G	-
67	W	-
68	BG	-
68	G	-
69	SHIELD	-
70	L	-
71	P	-
72	LG	-
73	Y	-
74	R	-
75	P	-
76	BR	-
76	L	-
78	BR	-
79	B	-
80	W	-
81	L	-
82	L	-
83	GR	- [Without automatic drive positioner]
83	W	- [With automatic drive positioner]

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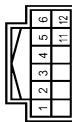
INTERIOR ROOM LAMP CONTROL SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

INTERIOR ROOM LAMP

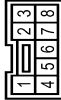
84	R	-	-
85	V	-	-
86	W	-	-
87	R	-	-
88	G	-	-
89	B	-	-
90	V	-	-
91	G	-	-
92	BR	-	-
93	P	-	-
94	V	-	-
95	W	-	-
96	SB	-	-
97	L	-	-
98	LG	-	-
99	Y	-	-

Connector No.	M69
Connector Name	KEY SLOT
Connector Type	TH12FW-NH



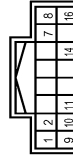
Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	BAT
2	SB	CLOCK
3	O	DATA
5	GR	ILL.BAT
6	R	ILL
7	B	GROUND
11	Y	KEY SWITCH SIGNAL

Connector No.	M101
Connector Name	PUSH-BUTTON IGNITION SWITCH
Connector Type	TK08FBR



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

Connector No.	M103
Connector Name	COMBINATION SWITCH
Connector Type	TH16FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	-
2	Y	OUTPUT 4
3	BG	FR
4	W	IGN
5	W	GROUND
6	B	GROUND
7	GR	INPUT 3
8	L	OUTPUT 5
9	SB	INPUT 2
10	P	INPUT 4
11	O	INPUT 1
12	W	OUTPUT 1

13	B	INPUT 5
14	P	OUTPUT 2

Connector No.	M118
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	MD0FE-LC



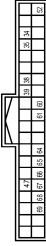
Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	BAT (F/L)
2	GR	POWER WINDOW POWER SUPPLY (BAT)
3	L	POWER WINDOW POWER SUPPLY (IGN)

Connector No.	M119
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	MS16FW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
4	P/W	INTERIOR ROOM LAMP POWER SUPPLY
5	G	PASSENGER DOOR UNLOCK OUTPUT
7	W	STEP LAMP CONT
8	V	ALL DOOR FUEL LID LOCK OUTPUT
9	G	DRIVER DOOR FUEL LID UNLOCK OUTPUT
11	LG	REAR DOOR UNLOCK OUTPUT
13	B	BAT (L/SE)
14	O	GROUND
15	L	ACC IND
17	G	TURN SIGNAL RH
18	BR	TURN SIGNAL LH
19	Y	INT ROOM LAMP CONT

Connector No.	M121
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH48FEV-NH



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

Connector No.	M122
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH48FEV-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
72	B	ROOM ANT-
73	W	ROOM ANT+
74	Y	PASSENGER DOOR ANT-
75	LG	PASSENGER DOOR ANT+
76	V	DRIVER DOOR ANT-
77	P	DRIVER DOOR ANT+

INTERIOR ROOM LAMP CONTROL SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

INTERIOR ROOM LAMP

80	SB	NAVS ANT AMP
81	SB	IGN RELAY (R) CONT
82	BP	IGN RELAY (L) CONT
83	P	KEYLESS ENTRY RECEIVER COMM
87	R	COMBI SW INPUT 5
88	GR	CAN-L
90	P	CAN-H
91	L	CAN-H
92	R	KEY SLOT ILL CONT
93	P	ON IND
95	L	ACC RELAY CONT
96	Y	CVT SHIFT SELECTOR POWER SUPPLY
99	V	SHIFT P
100	P	PASSENGER DOOR REQUEST SW
101	W	DRIVER DOOR REQUEST SW
102	Y	KEYLESS ENTRY RECEIVER POWER SUPPLY
107	O	COMBI SW INPUT 1
108	P	COMBI SW INPUT 4
109	SB	COMBI SW INPUT 2
110	G	HAZARD SW

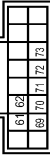
Connector No.	M123
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FG-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
112	R	RAIN SENSOR SERIAL LINK
113	P/B	OPTICAL SENSOR
116	GR	STOP LAMP SW 1
118	L	STOP LAMP SW 2
119	W	DR DOOR UNLOCK SENSOR
121	Y	KEY SLOT SW
124	G	PASSENGER DOOR SW
130	BR	REAR DEFROGGER SW
132	G	POWER WINDOW SW COMM
133	W	PUSH-BUTTON IGNITION SW ILL POWER
134	R	LOCK IND
137	P	RECEIVER-SENSOR GND

138	V	RECEIVER-SENSOR POWER SUPPLY
140	O	TIRE PRESSURE SENSOR SUPPLY
141	GR	SECURITY WIND LAMP CONT
142	L	COMBI SW OUTPUT 5
143	W	COMBI SW OUTPUT 1
144	P	COMBI SW OUTPUT 2
145	V	COMBI SW OUTPUT 3
146	Y	COMBI SW OUTPUT 4
150	SB	DRIVER DOOR SW
151	G	REAR WINDOW DEFROGGER RELAY CONT

Connector No.	R11
Connector Name	WIRE TO WIRE
Connector Type	TH18FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	R/W	- [Without navigation system]
2	R/L	- [With navigation system]
3	SHIELD	- [With navigation system]
4	SHIELD	- [With navigation system]
6	R/L	-
7	Y/R	-
8	B/Y	-
9	B	-
10	Y	-
11	P/W	-
12	B	-
13	R/Y	-
15	B/R	-
16	R	-

Connector No.	R10
Connector Name	VANITY MIRROR LAMP (PASSENGER SIDE)
Connector Type	MCA0ZFV



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

Connector No.	R19
Connector Name	MAP LAMP
Connector Type	TK0BF0Y



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

Connector No.	R21
Connector Name	PERSONAL LAMP
Connector Type	TH06FW-NH



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

Connector No.	R24
Connector Name	VANITY MIRROR LAMP (DRIVER SIDE)
Connector Type	MCA0ZFV



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

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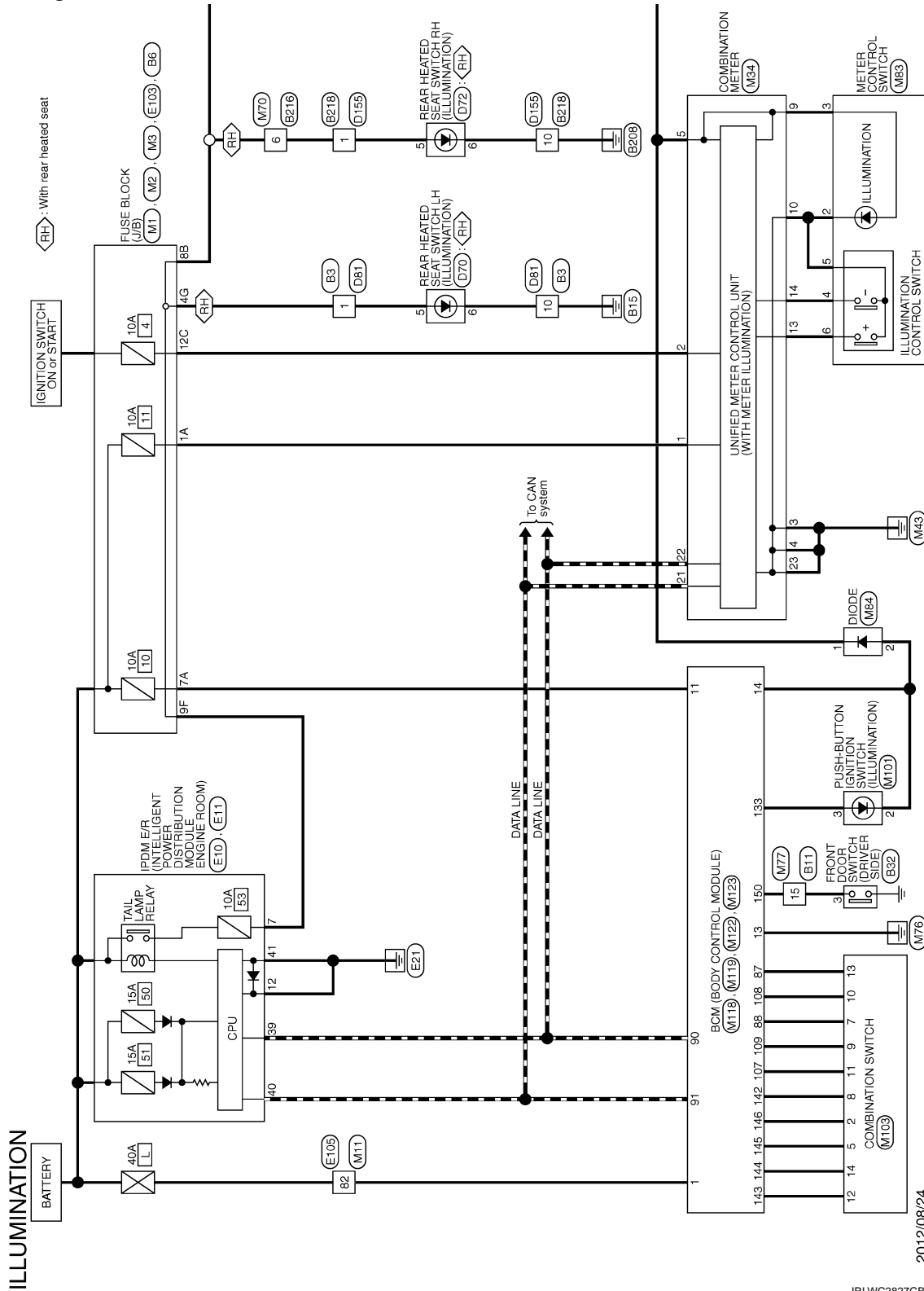
ILLUMINATION

< DTC/CIRCUIT DIAGNOSIS >

ILLUMINATION

Wiring Diagram - ILLUMINATION -

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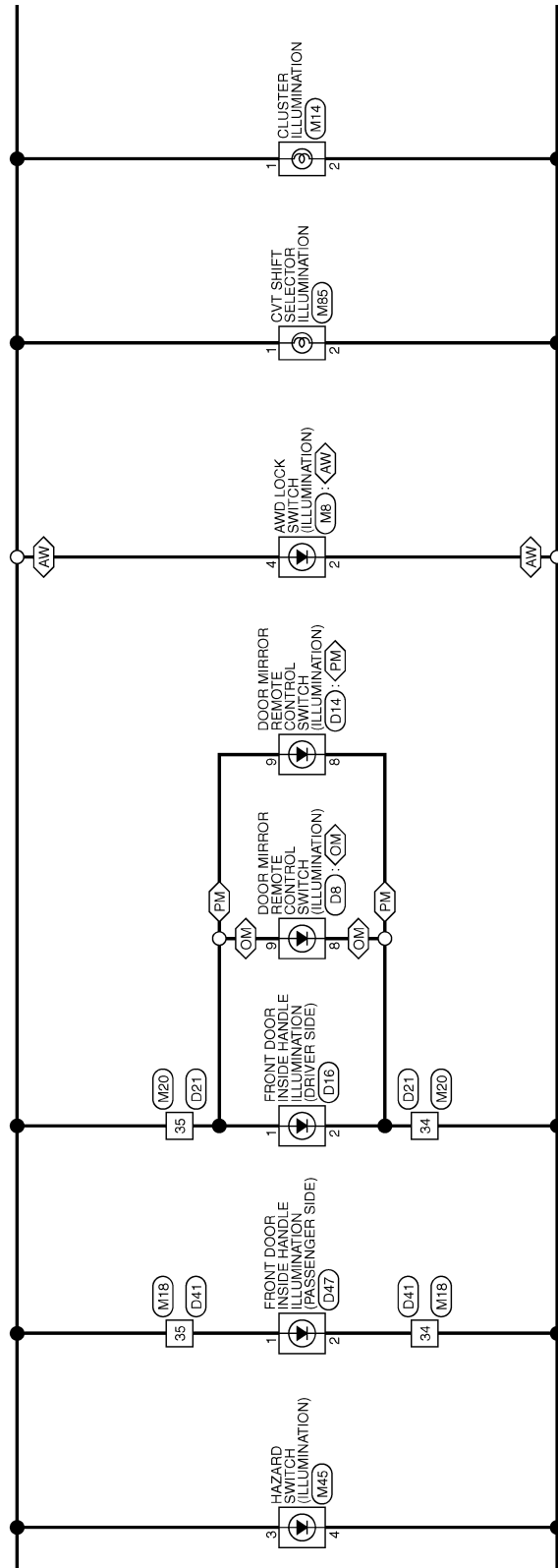
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ILLUMINATION

< DTC/CIRCUIT DIAGNOSIS >

◁AW▷ : AWD models
 ◁FM▷ : With automatic drive positioner
 ◁OM▷ : Without automatic drive positioner



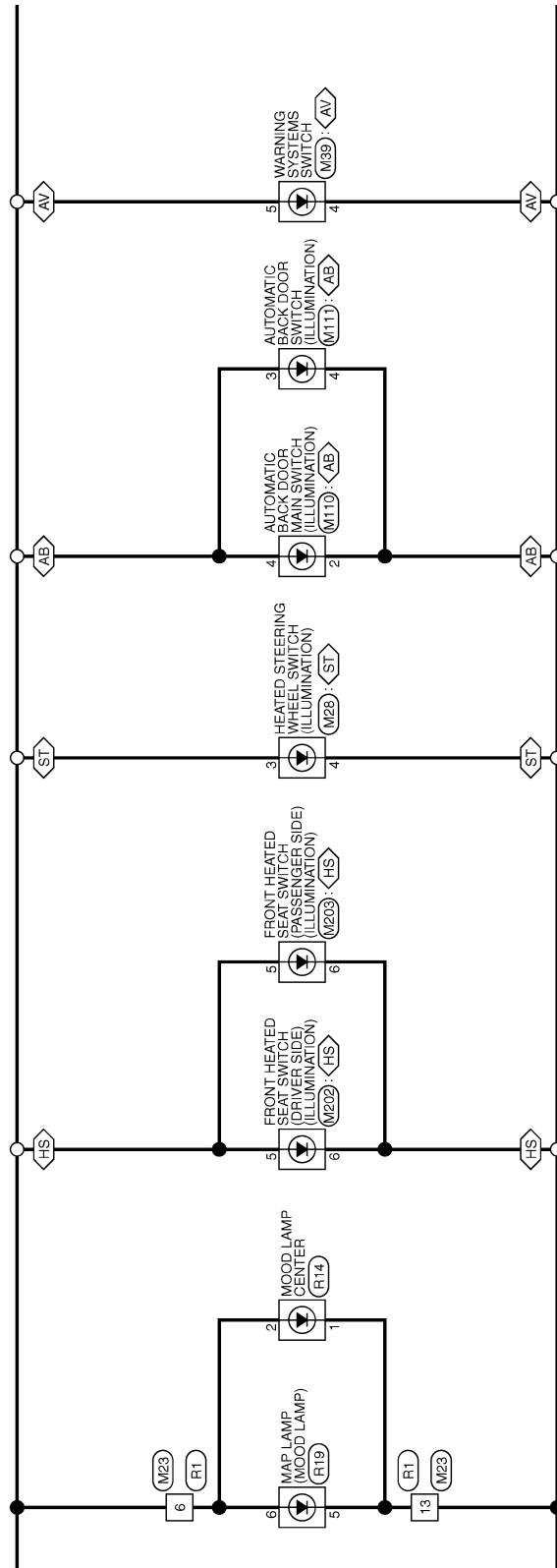
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ILLUMINATION

< DTC/CIRCUIT DIAGNOSIS >

- ◁ST▷ : With heated steering
- ◁HS▷ : With heated seat
- ◁AB▷ : With automatic back door
- ◁AV▷ : With around view monitor

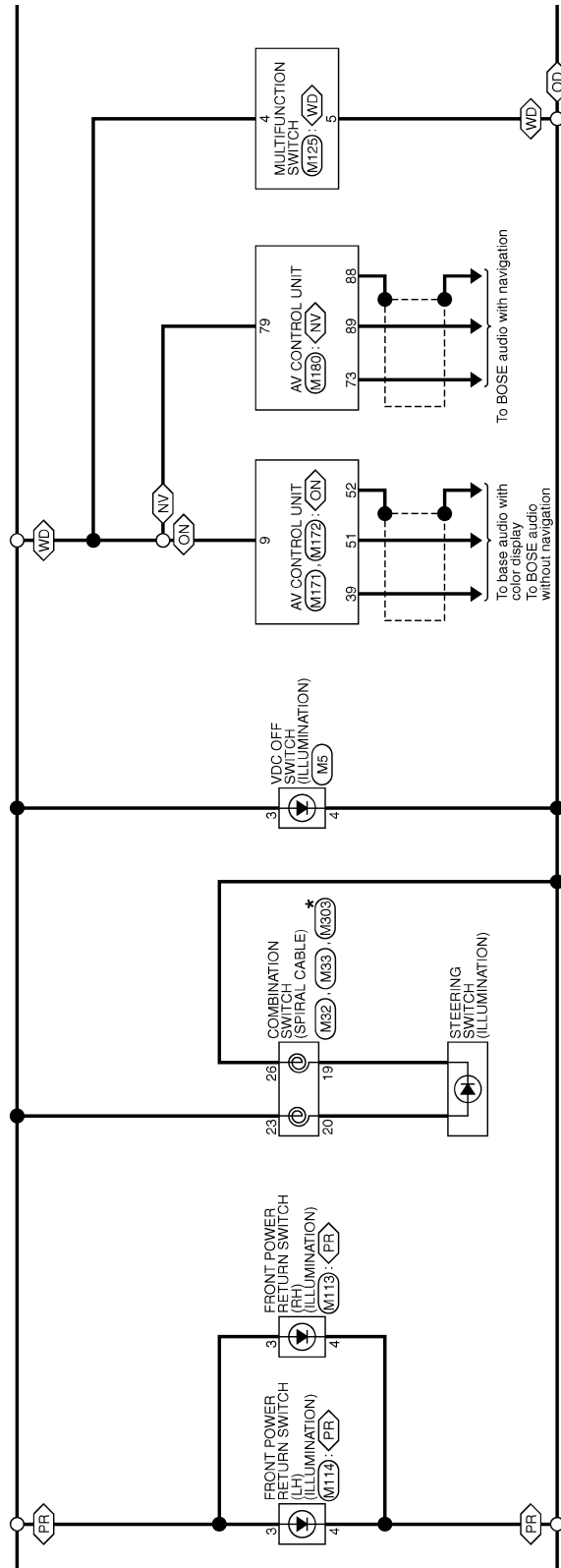


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ILLUMINATION

< DTC/CIRCUIT DIAGNOSIS >

- NV > : With navigation system
- ON > : Without navigation system
- WD > : With color display
- OD > : Without color display
- PE > : With rear seatback power return system



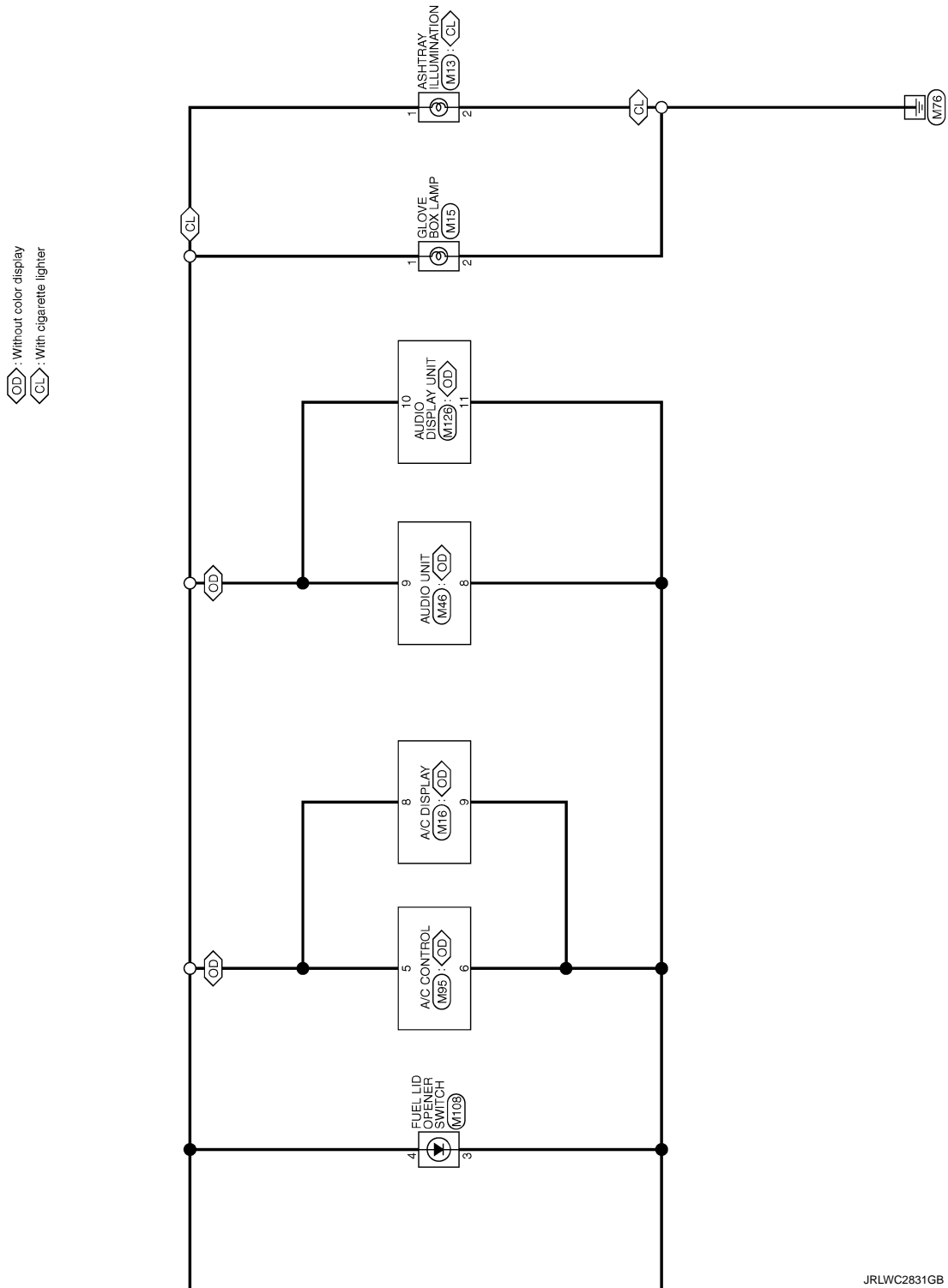
* : This connector is not shown in "Harness Layout".

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ILLUMINATION

< DTC/CIRCUIT DIAGNOSIS >



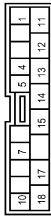
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ILLUMINATION

< DTC/CIRCUIT DIAGNOSIS >

ILLUMINATION

Connector No.	B3
Connector Name	WIRE TO WIRE
Connector Type	TK10PW-N5B



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

Connector No.	B6
Connector Name	FUSE BLOCK (J/B)
Connector Type	N5P2BR-GS



Terminal No.	Color Of Wire	Signal Name [Specification]
10A	Y	-
10B	SB	-
10C	SB	-
20	LG	-
40	L	-
50	P	-

Connector No.	B11
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS19



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

42	G	-
43	G	-
44	LG	-
45	SB	-
46	V	-
47	V	-
48	GR	-
49	SHIELD	-
50	B	-
51	R	-
52	B	-
53	L	-
54	GR	-
55	P	-
56	L	-
57	R	-
58	R	-
59	SHIELD	-
60	B	-
61	R/L	-
62	R/W	-
63	LG	-
64	Y	-
65	BR	-
66	R	-
67	V	-
68	G	-
69	GR	-
70	SHIELD	-
71	W/R	-
72	B/R	-
73	Y	-
74	SB	-
75	L	-
76	L	-
77	G	-
78	B	-
79	W	-
80	Y	-
81	R	-
82	L	-

Connector No.	B3Z
Connector Name	FRONT DOOR SWITCH (DRIVER SIDE)
Connector Type	TH09EW-NH



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

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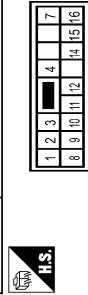
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ILLUMINATION

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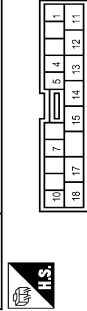
ILLUMINATION

Connector No.	B21B
Connector Name	WIRE TO WIRE
Connector Type	NS16MR-CS



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

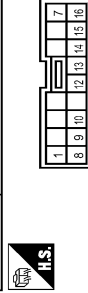
Connector No.	B21B
Connector Name	WIRE TO WIRE
Connector Type	TK16FW-NS8



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

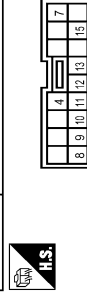
11	Y	
12	G	
13	V	
14	P	
15	SB	
16	R	
17	GR	
18	GR	

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



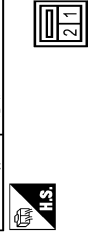
Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	
2	L	
3	Y	
4	L	
5	P	
6	Y	
7	L	
8	Y	
9	L	
10	P	
11	L	
12	L	
13	LG	
14	BR	
15	O	
16	SB	

Connector No.	D14
Connector Name	DOOR MIRROR REMOTE CONTROL SWITCH
Connector Type	TK16FBR



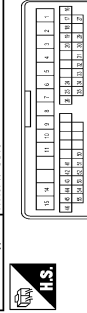
Terminal No.	Color Of Wire	Signal Name [Specification]
4	V	
7	B	
8	Y	
9	L	
10	O	
11	P	
12	L	
13	SB	
15	LG	

Connector No.	D16
Connector Name	FRONT DOOR INSIDE HANDLE ILLUMINATION (DRIVER SIDE)
Connector Type	TK02EGY



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

Connector No.	D21
Connector Name	WIRE TO WIRE
Connector Type	TH00FW-CS15



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

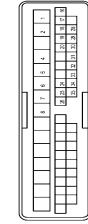
5	SB	
6	BR	
7	GR	
8	GR	
9	V	
10	O	
11	O	
12	B	
13	LG	
14	G	
15	G	
16	L	
17	Y	
18	GR	
19	BR	
20	LG	
21	P	
22	V	
23	W	
24	W	
25	R	
26	R	
27	R	
28	V	
29	V	
30	SB	
31	BR	
32	R	
33	G	
34	Y	
35	L	
41	P	
42	GR	
43	L	
44	W	
45	SB	
46	SB	
47	V	
50	V	
51	O	
52	L	
53	L	
54	LG	
55	SB	
55	LG	
55	O	

ILLUMINATION

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ILLUMINATION

Connector No.	D41
Connector Name	WIRE TO WIRE
Connector Type	TH40FW-CS15



Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	-
2	V	-
3	B	-
4	W	-
5	W	-
6	P	-
7	O	-
8	B	-
16	G	-
17	Y	-
18	GR	-
19	BR	-
20	LG	-
24	LG	-
25	W	-
26	O	-
28	Y	-
30	SB	-
31	BR	-
32	R	-
33	G	-
34	Y	-
35	L	-

Connector No.	D47
Connector Name	FRONT DOOR INSIDE HANDLE ILLUMINATION (PASSENGER SIDE)
Connector Type	TK02EGY



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

Connector No.	D70
Connector Name	REAR HEATED SEAT SWITCH LH
Connector Type	NS08FW-CS



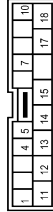
Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	LG	-
3	GR	-
4	B	-
5	W	-
6	B	-

Connector No.	D72
Connector Name	REAR HEATED SEAT SWITCH RH
Connector Type	NS08FB-CS



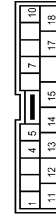
Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
2	GR	-
3	GR	-
4	B	-
5	W	-
6	B	-

Connector No.	D81
Connector Name	WIRE TO WIRE
Connector Type	TK0MMW-NSB



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
4	L	-
5	W	-
7	LG	-
10	B	-
11	Y	-
12	G	-
14	B	-
15	SB	-
17	R	-
18	GR	-

Connector No.	D155
Connector Name	WIRE TO WIRE
Connector Type	TK0MMW-NSB



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
4	L	-
5	W	-
7	LG	-
10	B	-
11	Y	-
12	G	-
13	V	-
14	P	-
15	SB	-
17	R	-
18	GR	-

Connector No.	E10
Connector Name	ROOM INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	TH20FW-CS12-M4-TV



Terminal No.	Color Of Wire	Signal Name [Specification]
4	W	-
5	LG	-
7	GR	-
10	BR	-
12	B	-
13	SB	-
15	W	-
16	R	-

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ILLUMINATION

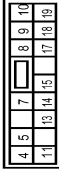
19	Y	-	-
20	L	-	-
21	O	-	-
22	SB	-	-
23	GR	-	-
24	G	-	-
25	GR	-	-
26	Y	-	-
27	W	-	-
28	SB	-	-
30	BR	-	-
34	O	-	-
35	P	-	-
36	G	-	-
38	GR	-	-

Connector No.	E11
Connector Name	INTELLIGENT POWER DISTRIBUTION MODULE ENGINE (ROUND)
Connector Type	TH8BEFW-NH



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

Connector No.	E105
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS16EWC-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
12F	Y	-
1F	L	-
2F	LG	-
4F	BR	-
6F	Y	-
8F	R	-
9F	GR	-

Connector No.	E105
Connector Name	WIRE TO WIRE
Connector Type	TT70MW-CS10-M3



Terminal No.	Color Of Wire	Signal Name [Specification]
3	Y	-
5	LG	-
8	GR	-
1	G	-
12	L	-
13	Y	-
14	O	-
15	BR	-
20	Y	-
21	BR	-
22	P	-

24	L	-	-
25	O	-	-
26	SB	-	-
29	W	-	-
30	Y	-	-
38	R	-	-
39	L	-	-
40	P	-	-
47	B	-	-
48	L	-	-
49	SB	-	-
50	GR	-	-
51	LG	-	-
52	Y	-	-
53	GR	-	-
54	BR	-	-
55	Y	-	-
56	W/L	-	-
60	V	-	-
61	BR	-	-
62	O	-	-
63	L/O	-	-
64	SHIELD	-	-
66	W	-	-
67	BR	-	-
68	Y	-	-
69	SB	-	-
70	GR	-	-
72	SR	-	-
73	L	-	-
74	W	-	-
75	BR	-	-
76	GR	-	-
77	O	-	-
78	G	- [With iPod without navigation system], - [Without iPod and navigation system]	
79	Y	-	
80	R	-	
81	W	-	
82	LG	-	
83	O	-	

Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS16EWM-M2



Terminal No.	Color Of Wire	Signal Name [Specification]
1A	G	-
2A	Y	-
3A	Y	-
4A	GR	-
7A	LG	-
8A	Y	-

Connector No.	M2
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS16EWM-CS



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

ILLUMINATION

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ILLUMINATION		M3		M3		M3	
Connector No.	Color Of Wire	Terminal No.	Color Of Wire	Terminal No.	Color Of Wire	Terminal No.	Color Of Wire
M3	BR	1	SB	53	Y	28	BR
ASHTRAY ILLUMINATION	SB	2	R	54	P	29	S
NS12FW-CS	R	3	G	55	P	30	R
	BR	4	Y	56	V	38	L
	B	5	GR	57	GR	40	P
	GR	6	GR	58	Y	47	B
	GR	7	GR	59	Y	48	L
	GR	8	GR	60	Y	49	W
	GR	9	GR	61	GR	50	GR
	GR	10	GR	62	BR	51	LG
	GR	11	GR	63	V	52	Y
	GR	12	GR	64	SHIELD	53	V
	GR	13	GR	65	W	54	SB
	GR	14	GR	66	W	55	P
	GR	15	GR	67	R	56	P
	GR	16	GR	68	W	57	P
	GR	17	GR	69	P	58	P
	GR	18	GR	70	G	59	P
	GR	19	GR	71	G	60	P
	GR	20	GR	72	G	61	P
	GR	21	GR	73	W	62	BR
	GR	22	GR	74	W	63	BR
	GR	23	GR	75	W	64	BR
	GR	24	GR	76	R	65	R
	GR	25	GR	77	G	66	R
	GR	26	GR	78	Y	67	Y
	GR	27	GR	79	G	68	G
	GR	28	GR	80	R	69	R
	GR	29	GR	81	W	70	W
	GR	30	GR	82	W	71	G
	GR	31	GR	83	BG	72	G
	GR	32	GR			73	W
	GR	33	GR			74	W
	GR	34	GR			75	W
	GR	35	GR			76	R
	GR	36	GR			77	G
	GR	37	GR			78	Y
	GR	38	GR			79	G
	GR	39	GR			80	R
	GR	40	GR			81	W
	GR	41	GR			82	W
	GR	42	GR			83	BG

ILLUMINATION		M8		M8		M8	
Connector No.	Color Of Wire	Terminal No.	Color Of Wire	Terminal No.	Color Of Wire	Terminal No.	Color Of Wire
M8	BR	1	SB	1	SB	1	SB
AWD LOCK SWITCH	SB	2	R	2	R	2	R
TR08FW-1V	R	3	G	3	G	3	G
	BR	4	Y	4	Y	4	Y
	B	5	GR	5	GR	5	GR
	GR	6	GR	6	GR	6	GR
	GR	7	GR	7	GR	7	GR
	GR	8	GR	8	GR	8	GR
	GR	9	GR	9	GR	9	GR
	GR	10	GR	10	GR	10	GR
	GR	11	GR	11	GR	11	GR
	GR	12	GR	12	GR	12	GR
	GR	13	GR	13	GR	13	GR
	GR	14	GR	14	GR	14	GR
	GR	15	GR	15	GR	15	GR
	GR	16	GR	16	GR	16	GR
	GR	17	GR	17	GR	17	GR
	GR	18	GR	18	GR	18	GR
	GR	19	GR	19	GR	19	GR
	GR	20	GR	20	GR	20	GR
	GR	21	GR	21	GR	21	GR
	GR	22	GR	22	GR	22	GR
	GR	23	GR	23	GR	23	GR
	GR	24	GR	24	GR	24	GR
	GR	25	GR	25	GR	25	GR

ILLUMINATION		M11		M11		M11	
Connector No.	Color Of Wire	Terminal No.	Color Of Wire	Terminal No.	Color Of Wire	Terminal No.	Color Of Wire
M11	BR	1	SB	1	SB	1	SB
WIRE TO WIRE	SB	2	R	2	R	2	R
TR108FW-CS10-M3	R	3	G	3	G	3	G
	BR	4	Y	4	Y	4	Y
	B	5	GR	5	GR	5	GR
	GR	6	GR	6	GR	6	GR
	GR	7	GR	7	GR	7	GR
	GR	8	GR	8	GR	8	GR
	GR	9	GR	9	GR	9	GR
	GR	10	GR	10	GR	10	GR
	GR	11	GR	11	GR	11	GR
	GR	12	GR	12	GR	12	GR
	GR	13	GR	13	GR	13	GR
	GR	14	GR	14	GR	14	GR
	GR	15	GR	15	GR	15	GR
	GR	16	GR	16	GR	16	GR
	GR	17	GR	17	GR	17	GR
	GR	18	GR	18	GR	18	GR
	GR	19	GR	19	GR	19	GR
	GR	20	GR	20	GR	20	GR
	GR	21	GR	21	GR	21	GR
	GR	22	GR	22	GR	22	GR
	GR	23	GR	23	GR	23	GR
	GR	24	GR	24	GR	24	GR
	GR	25	GR	25	GR	25	GR

ILLUMINATION		M14		M14		M14	
Connector No.	Color Of Wire	Terminal No.	Color Of Wire	Terminal No.	Color Of Wire	Terminal No.	Color Of Wire
M14	BR	1	SB	1	SB	1	SB
CLUSTER ILLUMINATION	SB	2	R	2	R	2	R
A025W	R	3	G	3	G	3	G
	BR	4	Y	4	Y	4	Y
	B	5	GR	5	GR	5	GR
	GR	6	GR	6	GR	6	GR
	GR	7	GR	7	GR	7	GR
	GR	8	GR	8	GR	8	GR
	GR	9	GR	9	GR	9	GR
	GR	10	GR	10	GR	10	GR
	GR	11	GR	11	GR	11	GR
	GR	12	GR	12	GR	12	GR
	GR	13	GR	13	GR	13	GR
	GR	14	GR	14	GR	14	GR
	GR	15	GR	15	GR	15	GR
	GR	16	GR	16	GR	16	GR
	GR	17	GR	17	GR	17	GR
	GR	18	GR	18	GR	18	GR
	GR	19	GR	19	GR	19	GR
	GR	20	GR	20	GR	20	GR
	GR	21	GR	21	GR	21	GR
	GR	22	GR	22	GR	22	GR
	GR	23	GR	23	GR	23	GR
	GR	24	GR	24	GR	24	GR
	GR	25	GR	25	GR	25	GR

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ILLUMINATION

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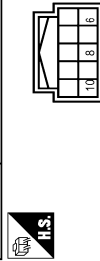
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Connector No.	M19
Connector Name	GLOVE BOX LAMP
Connector Type	A02FW



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

Connector No.	M16
Connector Name	A/C DISPLAY
Connector Type	TH1PFE-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	GROUND
6	G	IGN
8	R	ILL+
9	BR	ILL-
10	L	RX (AMP DISP)

Connector No.	M18
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-CS15



Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	
2	G	
4	L	- [With iPod without BOSE system]
4	W	- [With BOSE system and base audio without iPod]
5	B	- [With iPod without BOSE system]
5	BR	- [Without iPod and BOSE system]
5	W	- [With iPod without BOSE system]
6	GR	- [With BOSE system and base audio without iPod]
7	G	
8	B	
16	W	
17	Y	
18	W	
19	R	
20	GR	
24	G	
31	V	
32	Y	
33	P	
34	BR	
35	R	

Connector No.	M20
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-CS15



Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	
2	G	
3	W	
4	B	- [With BOSE system and base audio without iPod]
4	R	- [With iPod without BOSE system]
5	G	
5	L	- [With BOSE system and base audio without iPod]
6	V	
7	BR	
8	W	
9	SB	
10	L	
11	G	
14	B	
18	GR	
18	L	
17	Y	
18	W	
19	Y	
20	SB	
24	P	
25	V	
26	W	
27	R	
29	R	
30	L	
31	SB	
32	W	
34	BR	
35	R	
41	LG	
42	LG	
43	BR	
44	Y	
45	P	

46	P	
50	V	
51	EG	- [With automatic drive positioner]
52	GR	- [Without automatic drive positioner]
52	R	- [With automatic drive positioner]
53	L	- [Without automatic drive positioner]
53	V	- [With automatic drive positioner]
54	G	- [Without automatic drive positioner]
54	LG	- [With automatic drive positioner]
55	GR	- [Without automatic drive positioner]
55	SB	- [With automatic drive positioner]

Connector No.	M23
Connector Name	WIRE TO WIRE
Connector Type	TH16MW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	
2	SHIELD	- [Without navigation system]
3	B	- [With navigation system]
4	SHIELD	
6	R	
7	Y	
8	Y	
8	B	
10	Y	
11	P	
12	L	
13	SB	
15	G	
16	R	

ILLUMINATION

< DTC/CIRCUIT DIAGNOSIS >

ILLUMINATION

Connector No.	M28
Connector Name	HEATED STEERING WHEEL SWITCH
Connector Type	NS9BFW-CS



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

Connector No.	M32
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TK0BFY-EX-1V



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

Connector No.	M33
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TK0BFY-1V



Terminal No.	Color Of Wire	Signal Name [Specification]
24	BR	-
25	SB	-
26	SB	-
27	CS	-
28	SB	-
29	SB	-
30	L	-
31	Y	-
32	Y	-
33	Y	-
34	Y	-

Connector No.	M34
Connector Name	COMBINATION METER
Connector Type	TH40FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	BATTERY POWER SUPPLY
2	LG	IGN SIGNAL
3	B	GROUND
4	B	GROUND
5	SB	ILLUMINATION CONTROL SIGNAL
6	SB	TRIP RESET SIGNAL
7	SB	TRIP RESET SIGNAL
8	SB	TRIP RESET SIGNAL
9	SB	TRIP RESET SIGNAL
10	LG	METER CONTROL SWITCH GROUND
11	L	ENTER SWITCH SIGNAL
12	R	SELECT SWITCH SIGNAL
13	V	ILLUMINATION CONTROL SWITCH SIGNAL (+)
14	GR	ILLUMINATION CONTROL SWITCH SIGNAL (-)
15	BR	AIR BAG SIGNAL

Terminal No.	Color Of Wire	Signal Name [Specification]
18	L	AMBIENT SENSOR SIGNAL
19	L	AMBIENT SENSOR GROUND
20	Y	AMBIENT SENSOR GROUND
21	L	CAH-L
22	P	GROUND
23	B	GROUND
24	W	FUEL LEVEL SENSOR GROUND
25	BR	ALTERNATOR SIGNAL
26	G	PARKING BRAKE SWITCH SIGNAL
27	V	BRAKE FLUID LEVEL SWITCH SIGNAL
29	R	WASHER LEVEL SWITCH SIGNAL
30	P	VEHICLE SPEED SIGNAL (2-PULSE)
31	V	VEHICLE SPEED SIGNAL (3-PULSE)
32	LG	OVERDRIVE CONTROL SWITCH SIGNAL
34	G	FUEL LEVEL SENSOR SIGNAL
35	SB	SEAT BELT BUCKLE SWITCH SIGNAL (PASSENGER SIDE)
36	R	SEAT BELT BUCKLE SWITCH SIGNAL (DRIVER SIDE)

Connector No.	M39
Connector Name	WARNING SYSTEMS SWITCH
Connector Type	TK0BFY



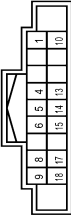
Terminal No.	Color Of Wire	Signal Name [Specification]
2	BR	-
3	Y	-
4	SB	-
5	R	-
6	B	-
7	GR	-

Connector No.	M45
Connector Name	HAZARD SWITCH
Connector Type	TK04FW



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

Connector No.	M46
Connector Name	AUDIO UNIT
Connector Type	TH18FW-CS2



Terminal No.	Color Of Wire	Signal Name [Specification]
2	L	SOUND SIGNAL FRONT LH (-)
3	B	SOUND SIGNAL FRONT LH (-)
4	LG	SOUND SIGNAL REAR LH (-)
5	Y	SOUND SIGNAL REAR LH (-)
7	R	ACC
8	SB	ILLUMINATION CONTROL SIGNAL (+)
9	R	ILLUMINATION CONTROL SIGNAL (-)
11	BR	SOUND SIGNAL FRONT RH (-)
12	W	SOUND SIGNAL FRONT RH (-)
13	GR	SOUND SIGNAL REAR RH (-)
14	R	SOUND SIGNAL REAR RH (-)
19	Y	BATTERY

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ILLUMINATION

< DTC/CIRCUIT DIAGNOSIS >

ILLUMINATION

Connector No.	M79
Connector Name	WIRE TO WIRE
Connector Type	NS18BER-C5



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

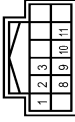
Connector No.	M77
Connector Name	WIRE TO WIRE
Connector Type	TH86FW-C519



Terminal No.	Color Of Wire	Signal Name [Specification]
1	SHIELD	
2	SHIELD	
3	W	
4	R	
5	W	
6	W	
7	G	
8	SHIELD	

60	B	
61	Y	
62	R	
63	W	
64	LG	
65	Y	
66	R	
67	V	
68	L	
69	L	
70	Y	
71	P	
72	Y	
73	Y	
74	R	
75	P	
76	L	
77	BR	
78	B	
79	B	
80	W	
81	W	
82	L	
83	GR	
84	R	
85	V	
86	W	
87	R	
88	G	
89	B	
90	V	
91	G	
92	BR	
93	P	
94	V	
95	W	
96	SB	
97	LS	
98	LS	
99	Y	

Connector No.	M83
Connector Name	METER CONTROL SWITCH
Connector Type	TH12FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	
2	LG	
3	W	
4	GR	
5	LG	
6	V	
7	SB	
8	L	
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Connector No.	M84
Connector Name	DIODE
Connector Type	Z435 C962



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

ILLUMINATION

< DTC/CIRCUIT DIAGNOSIS >

ILLUMINATION

Connector No.	M85
Connector Name	CVT SHIFT SELECTOR ILLUMINATION
Connector Type	TK08FEB



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

Connector No.	M85E
Connector Name	A/C CONTROL
Connector Type	TH12FW-NH



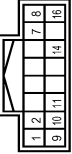
Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	IGN
2	B	GROUND
3	L	RX (AMP SW)
4	P	TX (SW AMP)
5	R	ILL+
6	BR	ILL-

Connector No.	M101
Connector Name	PUSH-BUTTON IGNITION SWITCH
Connector Type	TK08FEB



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

Connector No.	M103
Connector Name	COMBINATION SWITCH
Connector Type	TH12FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	-
2	Y	OUTPUT 4
3	BG	IGN
4	W	IGN
5	W	OUTPUT 3
6	GR	IGN
7	GR	OUTPUT 3
8	L	OUTPUT 5
9	SB	INPUT 2
10	P	INPUT 4
11	O	INPUT 1
12	W	OUTPUT 1

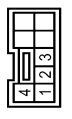
13	R	INPUT 5
14	P	OUTPUT 2

Connector No.	M108
Connector Name	FUEL LID OPENER SWITCH
Connector Type	TK08FEY



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

Connector No.	M110
Connector Name	AUTOMATIC BACK DOOR MAIN SWITCH
Connector Type	TK08FW



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

Connector No.	M111
Connector Name	AUTOMATIC BACK DOOR SWITCH
Connector Type	TK08FEY



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

Connector No.	M113
Connector Name	FRONT POWER RETURN SWITCH (RH)
Connector Type	TK08FW



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

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Connector No.	M114
Connector Name	FRONT POWER RETURN SWITCH (LH)
Connector Type	TK9EW



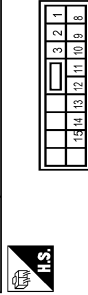
Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	B	-
3	B	-
4	B	-

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



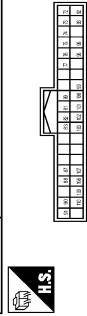
Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	BAT.(F/L)
2	GR	POWER WINDOW POWER SUPPLY (BAT)
3	L	POWER WINDOW POWER SUPPLY (IGN)

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



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	INTERIOR ROOM LAMP POWER SUPPLY
2	W	PASSENGER DOOR UNLOCK OUTPUT
3	W	STEP LAMP CONT
4	W	ALL DOOR FUEL LID LOCK OUTPUT
5	G	DRIVER DOOR FUEL LID UNLOCK OUTPUT
6	P	REAR DOOR UNLOCK OUTPUT
7	LG	BAT.(FUSE)
8	B	GROUND
9	O	PUSH-BUTTON (IGNITION SW) ILL GND
10	L	ACC IND
11	G	TURN SIGNAL RH
12	BR	TURN SIGNAL LH
13	Y	INT ROOM LAMP CONT

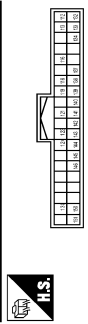
Connector No.	M122
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FB-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	ROOM ANT-
2	B	ROOM ANT+
3	W	ROOM ANT-
4	Y	ROOM ANT+
5	Y	PASSENGER DOOR ANT-
6	Y	PASSENGER DOOR ANT+
7	V	DRIVER DOOR ANT-
8	P	DRIVER DOOR ANT+
9	SB	NATS. ANT-AMP.

Terminal No.	Color Of Wire	Signal Name [Specification]
81	O	NATS. ANT AMP
82	BR	IGN RELAY (E) CONT
83	P	KEYLESS ENTRY RECEIVER COMM
84	R	COMBI SW INPUT 5
85	GR	COMBI SW INPUT 3
86	P	CAN-L
87	L	CAN-H
88	R	KEY SLOT ILL CONT
89	P	ON IND
90	L	ACC RELAY CONT
91	Y	CVT SHIFT SELECTOR POWER SUPPLY
92	V	SHIFT P
93	W	PASSENGER DOOR REQUEST SW
94	W	DRIVER DOOR REQUEST SW
95	L	KEYLESS ENTRY RECEIVER POWER SUPPLY
96	O	COMBI SW INPUT 1
97	P	COMBI SW INPUT 4
98	SB	COMBI SW INPUT 2
99	G	HAZARD SW

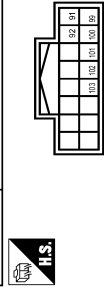
Connector No.	M123
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FB-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
12	R	RAIN SENSOR SERIAL LINK
13	P-B	OPTICAL SENSOR
14	GR	STOP LAMP SW 1
15	L	STOP LAMP SW 2
16	L	DR DOOR UNLOCK SENSOR
17	Y	KEY SLOT SW
18	Y	REAR DEFROGGER SW
19	BR	REAR DEFROGGER SW
20	GR	POWER WINDOW SW COMM
21	G	POWER WINDOW SW COMM
22	W	PUSH-BUTTON (IGNITION SW) ILL POWER
23	R	LOCK IND
24	R	LOCK IND
25	P	RECEIVER-SENSOR GND
26	V	RECEIVER-SENSOR POWER SUPPLY

Terminal No.	Color Of Wire	Signal Name [Specification]
139	O	TIRE PRESS RECEIVER COMM
140	GR	SAFETY S
141	O	SECURITY IND LAMP CONT
142	O	COMBI SW OUTPUT 5
143	W	COMBI SW OUTPUT 1
144	P	COMBI SW OUTPUT 2
145	V	COMBI SW OUTPUT 3
146	Y	COMBI SW OUTPUT 4
147	SB	DRIVER DOOR SW
148	SB	DRIVER DOOR SW
149	G	REAR WINDOW DEFOGGER RELAY CONT

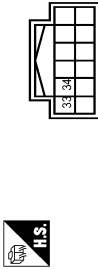
Connector No.	M125
Connector Name	MULTIFUNCTION SWITCH
Connector Type	TH18FB-NH



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

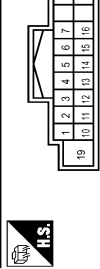
ILLUMINATION

Connector No.	M176
Connector Name	AUDIO DISPLAY UNIT
Connector Type	TH12FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	AV COMM (L)
2	G	AV COMM (R)
3	B	GROUND
8	R	ACC
9	Y	4B
10	R	ILLUMINATION CONTROL SIGNAL (+)
11	SB	ILLUMINATION CONTROL SIGNAL (-)

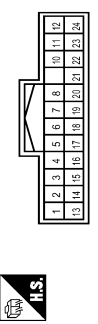
Connector No.	M171
Connector Name	AV CONTROL UNIT
Connector Type	TH12FW-CSZ



Terminal No.	Color Of Wire	Signal Name [Specification]
2	G	SWARD SIGNAL (FRONT DOOR SPEAKER AND FRONT SPEAKER RH (+))
3	R	SWARD SIGNAL (FRONT DOOR SPEAKER AND FRONT SPEAKER LH (-))
4	LG	SOUND SIGNAL REAR DOOR SPEAKER LH (+)
5	Y	SOUND SIGNAL REAR DOOR SPEAKER LH (-)
6	BR	STRIG SW A
7	W	ACC [With BOSE system]
11	W	ILLUMINATION CONTROL SIGNAL (+)
12	W	SWARD SIGNAL (FRONT DOOR SPEAKER AND FRONT SPEAKER RH (-))
13	GR	SOUND SIGNAL REAR DOOR SPEAKER RH (+)
14	P	SOUND SIGNAL REAR DOOR SPEAKER RH (-)
15	L	STRIG SW GND
16	G	STRIG SW B

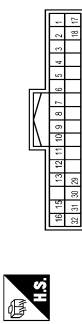
19	Y	BATTERY
20	B	GROUND

Connector No.	M172
Connector Name	AV CONTROL UNIT
Connector Type	TH24FW-NH



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

Connector No.	M180
Connector Name	AV CONTROL UNIT
Connector Type	TH32FW-NH



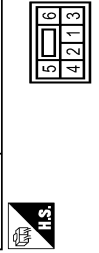
Terminal No.	Color Of Wire	Signal Name [Specification]
85	LG	PARKING BRAKE
86	LS	-
87	LS	-
88	LS	-
89	LS	-
90	LS	-
91	SHIELD	SHIELD
92	B	MICROPHONE VCC
93	R	COMM (CONT-DISP)
94	P	GAN-L
95	LG	AV COMM (L)
96	LG	AV COMM (L)
97	R	ILLUMINATION SIGNAL
98	G	IGNITION
99	SB	REVERSE
100	V	VEHICLE SPEED SIGNAL (8-PULSE)
101	B	-
102	W	MICROPHONE SIGNAL
103	W	-
104	W	-
105	W	-
106	L	GAN-H
107	L	AV COMM (H)
108	SB	AV COMM (H)
109	SB	AV COMM (H)
110	SB	AV COMM (H)

Connector No.	M202
Connector Name	FRONT HEATED SEAT SWITCH (DRIVER SIDE)
Connector Type	NS02FW-CS



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

Connector No.	M203
Connector Name	FRONT HEATED SEAT SWITCH (PASSENGER SIDE)
Connector Type	NS02FW-CS



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

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ILLUMINATION

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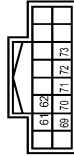
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Connector No.	MS03
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TK08FGY



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

Connector No.	RI1
Connector Name	WIRE TO WIRE
Connector Type	TH18FY-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	R/W	- [Without navigation system]
1	W	- [With navigation system]
2	R/L	- [Without navigation system]
2	SHIELD	- [With navigation system]
3	SHIELD	-
4	SHIELD	-
6	R/L	-
7	Y/L	-
8	B/Y	-
9	B	-
10	Y	-
11	P/W	-

12	B	-
13	B/Y	-
15	B/R	-
16	R	-

Connector No.	RI4
Connector Name	MOOD LAMP CENTER
Connector Type	TR02FEW



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

Connector No.	RI9
Connector Name	MAP LAMP
Connector Type	TR08FGY



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

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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

ECU DIAGNOSIS INFORMATION

BCM (BODY CONTROL MODULE)

Reference Value

INFOID:0000000010129266

VALUES ON THE DIAGNOSIS TOOL

NOTE:

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

CONSULT MONITOR ITEM

Monitor Item	Condition	Value/Status
FR WIPER HI	Other than front wiper switch HI	Off
	Front wiper switch HI	On
FR WIPER LOW	Other than front wiper switch LO	Off
	Front wiper switch LO	On
FR WASHER SW	Front washer switch OFF	Off
	Front washer switch ON	On
FR WIPER INT	Other than front wiper switch INT/AUTO	Off
	Front wiper switch INT/AUTO	On
FR WIPER STOP	Front wiper is not in STOP position	Off
	Front wiper is in STOP position	On
INT VOLUME	Wiper intermittent dial is in a dial position 1 - 7	Wiper intermittent dial position
RR WIPER ON	Other than rear wiper switch ON	Off
	Rear wiper switch ON	On
RR WIPER INT	Other than rear wiper switch INT	Off
	Rear wiper switch INT	On
RR WASHER SW	Rear washer switch OFF	Off
	Rear washer switch ON	On
RR WIPER STOP	Rear wiper is in STOP position	Off
	Rear wiper is not in STOP position	On
TURN SIGNAL R	Other than turn signal switch RH	Off
	Turn signal switch RH	On
TURN SIGNAL L	Other than turn signal switch LH	Off
	Turn signal switch LH	On
TAIL LAMP SW	Other than lighting switch 1ST and 2ND	Off
	Lighting switch 1ST or 2ND	On
HI BEAM SW	Other than lighting switch HI	Off
	Lighting switch HI	On
HEAD LAMP SW 1	Other than lighting switch 2ND	Off
	Lighting switch 2ND	On
HEAD LAMP SW 2	Other than lighting switch 2ND	Off
	Lighting switch 2ND	On
PASSING SW	Other than lighting switch PASS	Off
	Lighting switch PASS	On
AUTO LIGHT SW	Other than lighting switch AUTO	Off
	Lighting switch AUTO	On

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Monitor Item	Condition	Value/Status
FR FOG SW	Front fog lamp switch OFF	Off
	Front fog lamp switch ON	On
RR FOG SW	NOTE: The item is indicated, but not monitored.	Off
DOOR SW-DR	Driver door closed	Off
	Driver door opened	On
DOOR SW-AS	Passenger door closed	Off
	Passenger door opened	On
DOOR SW-RR	Rear RH door closed	Off
	Rear RH door opened	On
DOOR SW-RL	Rear LH door closed	Off
	Rear LH door opened	On
DOOR SW-BK	Back door closed	Off
	Back door opened	On
CDL LOCK SW	Other than power door lock switch LOCK	Off
	Power door lock switch LOCK	On
CDL UNLOCK SW	Other than power door lock switch UNLOCK	Off
	Power door lock switch UNLOCK	On
KEY CYL LK-SW	Other than driver door key cylinder LOCK position	Off
	Driver door key cylinder LOCK position	On
KEY CYL UN-SW	Other than driver door key cylinder UNLOCK position	Off
	Driver door key cylinder UNLOCK position	On
KEY CYL SW-TR	NOTE: The item is indicated, but not monitored.	Off
HAZARD SW	Hazard switch is OFF	Off
	Hazard switch is ON	On
REAR DEF SW NOTE: For models with BOSE audio system this item is not monitored.	Rear window defogger switch OFF	Off
	Rear window defogger switch ON	On
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
RKE-LOCK	LOCK button of Intelligent Key is not pressed	Off
	LOCK button of Intelligent Key is pressed	On
RKE-UNLOCK	UNLOCK button of Intelligent Key is not pressed	Off
	UNLOCK button of Intelligent Key is pressed	On
RKE-TR/BD	BACK DOOR OPEN button of Intelligent Key is not pressed	Off
	BACK DOOR OPEN button of Intelligent Key is pressed	On
RKE-PANIC	PANIC button of Intelligent Key is not pressed	Off
	PANIC button of Intelligent Key is pressed	On
RKE-P/W OPEN	UNLOCK button of Intelligent Key is not pressed	Off
	UNLOCK button of Intelligent Key is pressed and held	On

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Monitor Item	Condition	Value/Status	
RKE-MODE CHG	LOCK/UNLOCK button of Intelligent Key is not pressed and held simultaneously	Off	A
	LOCK/UNLOCK button of Intelligent Key is pressed and held simultaneously	On	B
OPTICAL SENSOR	Bright outside of the vehicle	Close to 5 V	C
	Dark outside of the vehicle	Close to 0 V	
REQ SW -DR	Driver door request switch is not pressed	Off	D
	Driver door request switch is pressed	On	
REQ SW -AS	Passenger door request switch is not pressed	Off	E
	Passenger door request switch is pressed	On	
REQ SW -RR	NOTE: The item is indicated, but not monitored.	Off	F
REQ SW -RR	NOTE: The item is indicated, but not monitored.	Off	G
REQ SW -BD/TR	Back door request switch is not pressed	Off	H
	Back door request switch is pressed	On	
PUSH SW	Push-button ignition switch (push switch) is not pressed	Off	I
	Push-button ignition switch (push switch) is pressed	On	
IGN RLY2 -F/B	Ignition switch in OFF or ACC position	Off	J
	Ignition switch in ON position	On	
ACC RLY -F/B	NOTE: The item is indicated, but not monitored.	Off	K
CLUCH SW	NOTE: The item is indicated, but not monitored.	Off	L
BRAKE SW 1	The brake pedal is depressed when No. 7 fuse is blown	Off	M
	The brake pedal is not depressed when No. 7 fuse is blown, or No. 7 fuse is normal	On	
BRAKE SW 2	The brake pedal is not depressed	Off	N
	Stop lamp switch 1 signal circuit is normal	On	
DETE/CANCL SW	Selector lever in P position	Off	O
	Selector lever in any position other than P	On	
SFT PN/N SW	Selector lever in any position other than P and N	Off	P
	Selector lever in P or N position	On	
S/L -LOCK	NOTE: The item is indicated, but not monitored.	Off	
S/L -UNLOCK	NOTE: The item is indicated, but not monitored.	Off	
S/L RELAY-F/B	NOTE: The item is indicated, but not monitored.	Off	
UNLK SEN -DR	Driver door is unlocked	Off	
	Driver door is locked	On	
PUSH SW -IPDM	Push-button ignition switch (push-switch) is not pressed	Off	
	Push-button ignition switch (push-switch) is pressed	On	
IGN RLY1 -F/B	Ignition switch in OFF or ACC position	Off	
	Ignition switch in ON position	On	
DETE SW -IPDM	Selector lever in any position other than P	Off	
	Selector lever in P position	On	

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Monitor Item	Condition	Value/Status
SFT PN -IPDM	Selector lever in any position other than P and N	Off
	Selector lever in P or N position	On
SFT P -MET	Selector lever in any position other than P	Off
	Selector lever in P position	On
SFT N -MET	Selector lever in any position other than N	Off
	Selector lever in N position	On
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	Power supply position in LOCK position	Reset
	Power supply position in any position other than LOCK	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	Intelligent Key is not inserted into key slot	Off
	Intelligent Key is inserted into key slot	On
RKE OPE COUN1	During the operation of Intelligent Key	Operation frequency of Intelligent Key
RKE OPE COUN2	NOTE: The item is indicated, but not monitored.	—
CONFIRM ID ALL	The Intelligent Key ID that the key slot receives is not recognized by any Intelligent Key ID registered to BCM.	Yet
	The Intelligent Key ID that the key slot receives is recognized by any Intelligent Key ID registered to BCM.	Done
CONFIRM ID4	The Intelligent Key ID that the key slot receives is not recognized by the fourth Intelligent Key ID registered to BCM.	Yet
	The Intelligent Key ID that the key slot receives is recognized by the fourth Intelligent Key ID registered to BCM.	Done

BCM (BODY CONTROL MODULE)

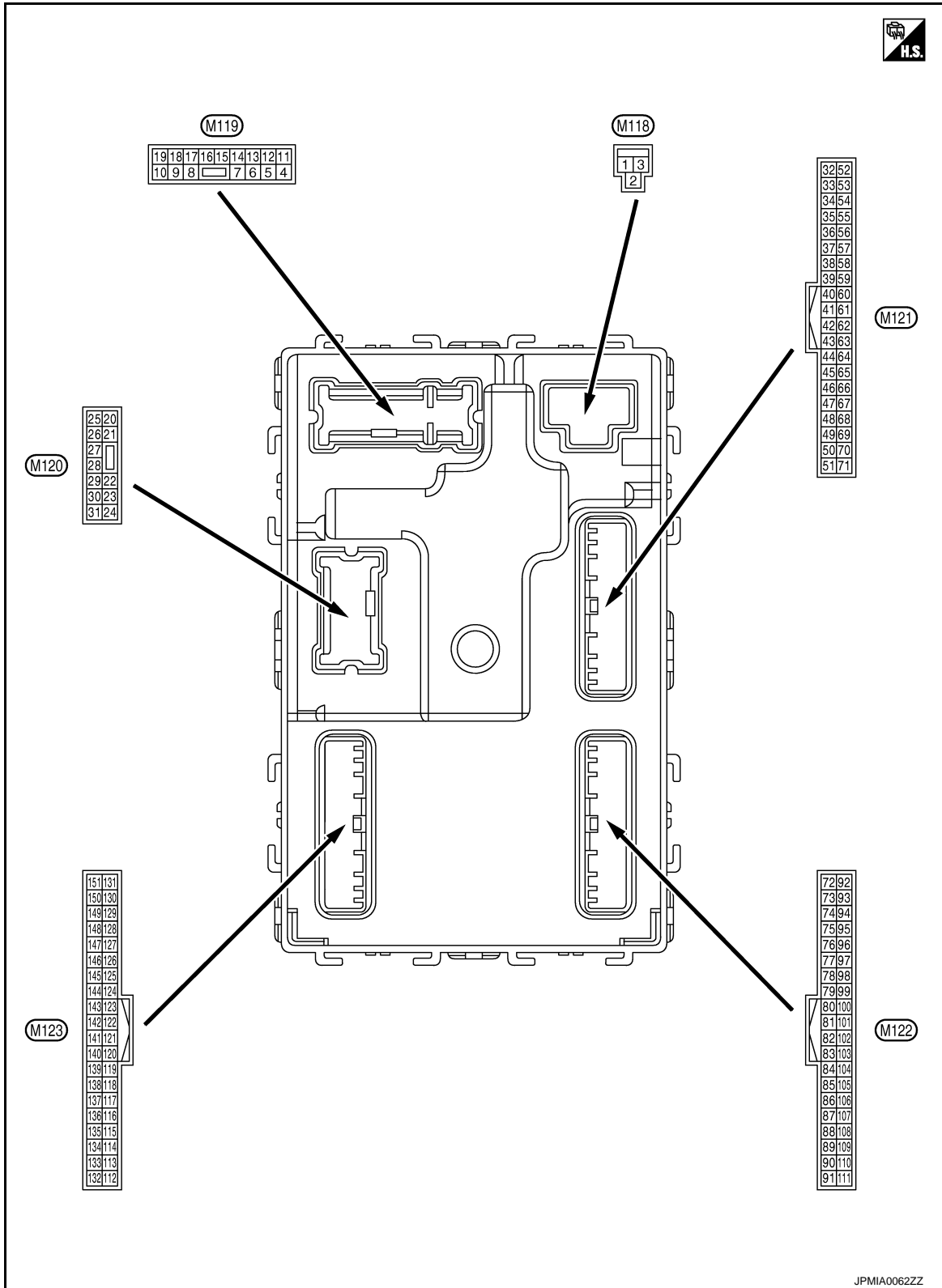
< ECU DIAGNOSIS INFORMATION >

Monitor Item	Condition	Value/Status	
CONFIRM ID3	The Intelligent Key ID that the key slot receives is not recognized by the third Intelligent Key ID registered to BCM.	Yet	A
	The Intelligent Key ID that the key slot receives is recognized by the third Intelligent Key ID registered to BCM.	Done	B
CONFIRM ID2	The Intelligent Key ID that the key slot receives is not recognized by the second Intelligent Key ID registered to BCM.	Yet	C
	The Intelligent Key ID that the key slot receives is recognized by the second Intelligent Key ID registered to BCM.	Done	
CONFIRM ID1	The Intelligent Key ID that the key slot receives is not recognized by the first Intelligent Key ID registered to BCM.	Yet	D
	The Intelligent Key ID that the key slot receives is recognized by the first Intelligent Key ID registered to BCM.	Done	
TP 4	The ID of fourth Intelligent Key is not registered to BCM	Yet	E
	The ID of fourth Intelligent Key is registered to BCM	Done	
TP 3	The ID of third Intelligent Key is not registered to BCM	Yet	F
	The ID of third Intelligent Key is registered to BCM	Done	
TP 2	The ID of second Intelligent Key is not registered to BCM	Yet	G
	The ID of second Intelligent Key is registered to BCM	Done	
TP 1	The ID of first Intelligent Key is not registered to BCM	Yet	H
	The ID of first Intelligent Key is registered to BCM	Done	
AIR PRESS FL	Ignition switch ON (Only when the signal from the transmitter is received)	Air pressure of front LH tire	I
AIR PRESS FR	Ignition switch ON (Only when the signal from the transmitter is received)	Air pressure of front RH tire	J
AIR PRESS RR	Ignition switch ON (Only when the signal from the transmitter is received)	Air pressure of rear RH tire	K
AIR PRESS RL	Ignition switch ON (Only when the signal from the transmitter is received)	Air pressure of rear LH tire	
ID REGST FL1	ID of front LH tire transmitter is registered	Done	
	ID of front LH tire transmitter is not registered	Yet	
ID REGST FR1	ID of front RH tire transmitter is registered	Done	
	ID of front RH tire transmitter is not registered	Yet	INL
ID REGST RR1	ID of rear RH tire transmitter is registered	Done	
	ID of rear RH tire transmitter is not registered	Yet	
ID REGST RL1	ID of rear LH tire transmitter is registered	Done	M
	ID of rear LH tire transmitter is not registered	Yet	
WARNING LAMP	Tire pressure indicator OFF	Off	N
	Tire pressure indicator ON	On	
BUZZER	Tire pressure warning alarm is not sounding	Off	O
	Tire pressure warning alarm is sounding	On	

BCM (BODY CONTROL MODULE)

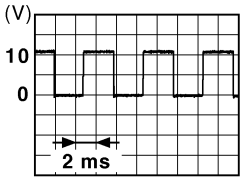
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TERMINAL LAYOUT



BCM (BODY CONTROL MODULE)

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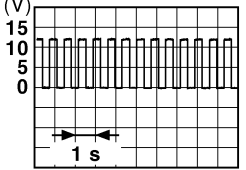
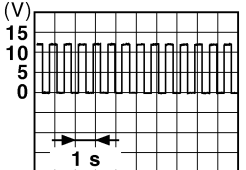
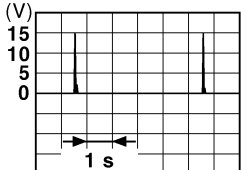
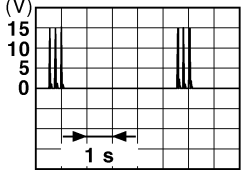
Terminal No. (Wire color)		Description		Condition		Value (Approx.)
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1 (W)	Ground	Battery power supply	Input	Ignition switch OFF		Battery voltage
2 (GR)	Ground	P/W power supply (BAT)	Output	Ignition switch OFF		Battery voltage
3 (L)	Ground	P/W power supply (IGN)	Output	Ignition switch ON		Battery voltage
4 (P/W)	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 (G)	Ground	Passenger door UN- LOCK	Output	Passenger door	UNLOCK (Actuator is activated)	Battery voltage
					Other than UNLOCK (Actuator is not activated)	0 V
7 (W)	Ground	Step lamp control	Output	Step lamp	ON	0 V
					OFF	Battery voltage
8 (V)	Ground	All doors LOCK	Output	All doors	LOCK (Actuator is activated)	Battery voltage
					Other than LOCK (Actuator is not activated)	0 V
9 (G)	Ground	Driver door UNLOCK	Output	Driver door	UNLOCK (Actuator is activated)	Battery voltage
					Other than UNLOCK (Actuator is not activated)	0 V
10 (P)	Ground	Rear RH door and rear LH door UN- LOCK	Output	Rear RH door and rear LH door	UNLOCK (Actuator is activated)	Battery voltage
					Other than UNLOCK (Actuator is not activated)	0 V
11 (LG)	Ground	Battery power supply	Input	Ignition switch OFF		Battery voltage
13 (B)	Ground	Ground	—	Ignition switch ON		0 V
14 (O)	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 (L)	Ground	ACC indicator lamp	Output	Ignition switch	OFF (LOCK and ON indicator lamps are not illuminated.)	Battery voltage
					ACC	0 V

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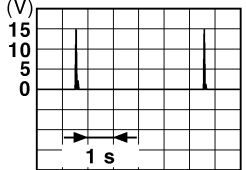
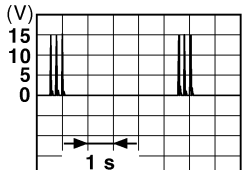
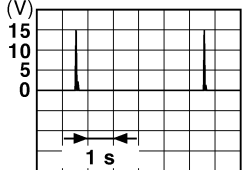
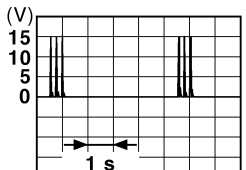
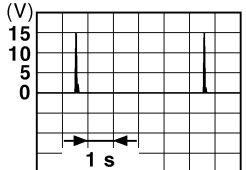
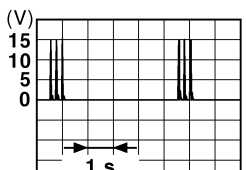
BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition	Value (Approx.)
+	-	Signal name	Input/ Output		
17 (G)	Ground	Turn signal RH	Output	Ignition switch ON	Turn signal switch OFF Turn signal switch RH
				Turn signal switch RH	 <p style="text-align: right; font-size: small;">PKID0926E</p>
18 (BR)	Ground	Turn signal LH	Output	Ignition switch ON	Turn signal switch OFF Turn signal switch LH
				Turn signal switch LH	 <p style="text-align: right; font-size: small;">PKID0926E</p>
19 (Y)	Ground	Interior room lamp control	Output	Interior room lamp	OFF ON
				OFF	Battery voltage 0 V
23 (BR)	Ground	Back door open	Output	Back door	OPEN (Back door opener actuator is activated) Other than OPEN (Back door opener actuator is not activated)
				OPEN (Back door opener actuator is activated)	Battery voltage 0 V
26 (G)	Ground	Rear wiper	Output	Rear wiper	OFF (Stopped) ON (Operated)
				OFF (Stopped)	0 V Battery voltage
34 (B)	Ground	Luggage room anten- na (-)	Output	Ignition switch OFF	When Intelligent Key is in the passenger compart- ment
				When Intelligent Key is in the passenger compart- ment	 <p style="text-align: right; font-size: small;">JMKIA0062GB</p>
				When Intelligent Key is not in the passenger compart- ment	 <p style="text-align: right; font-size: small;">JMKIA0063GB</p>

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

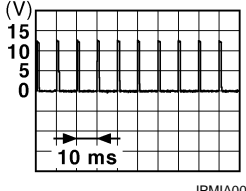
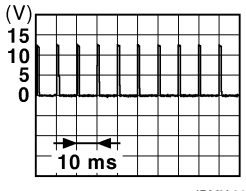
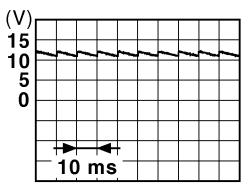
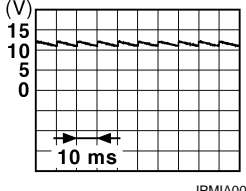
Terminal No. (Wire color)		Description		Condition	Value (Approx.)
		Signal name	Input/ Output		
+	-				
35 (W)	Ground	Luggage room antenna (+)	Output	Ignition switch OFF	When Intelligent Key is in the passenger compartment  JMKIA0062GB
					When Intelligent Key is not in the passenger compartment  JMKIA0063GB
38 (L)	Ground	Rear bumper antenna (-)	Output	When the back door request switch is operated with ignition switch OFF	When Intelligent Key is in the antenna detection area  JMKIA0062GB
					When Intelligent Key is not in the antenna detection area  JMKIA0063GB
39 (BR)	Ground	Rear bumper antenna (+)	Output	When the back door request switch is operated with ignition switch OFF	When Intelligent Key is in the antenna detection area  JMKIA0062GB
					When Intelligent Key is not in the antenna detection area  JMKIA0063GB
47 (L)	Ground	Ignition relay (IPDM E/R) control	Output	Ignition switch	OFF or ACC Battery voltage
					ON 0 V

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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition		Value (Approx.)
+	-	Signal name	Input/ Output			
52 (R)	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	0.3 V
				Ignition switch OFF		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 (R)	Ground	Back door request switch	Input	Back door re- quest switch	ON (Pressed)	0 V
					OFF (Not pressed)	 1.0 V
64 (GR)	Ground	Intelligent key warn- ing buzzer control	Output	Warning buzzer	Sounding	0 V
					Not sounding	Battery voltage
65 (O)	Ground	Rear wiper stop posi- tion	Input	Rear wiper	In stop position	 1.0 V
					Not in stop position	0 V
66 (Y)	Ground	Back door switch	Input	Back door switch	OFF (When back door closes)	 11.8 V
					ON (When back door opens)	0 V
67 (LG)	Ground	Back door opener switch	Input	Back door opener switch	Pressed	0 V
					Not pressed	 11.8 V

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition	Value (Approx.)
+	-	Signal name	Input/ Output		
68 (W)	Ground	Rear RH door switch	Input	Rear RH door switch	<p>JPMIA0011GB 11.8 V</p>
				ON (When rear RH door opens)	0 V
69 (R)	Ground	Rear LH door switch	Input	Rear LH door switch	<p>JPMIA0011GB 11.8 V</p>
				ON (When rear LH door opens)	0 V
72 (B)	Ground	Room antenna (-) (Center console)	Output	Ignition switch OFF	<p>JMKIA0062GB</p>
				When Intelligent Key is not in the passenger compartment	<p>JMKIA0063GB</p>

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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

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

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

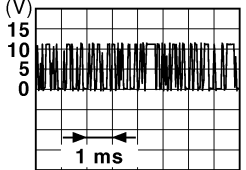
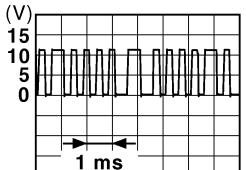

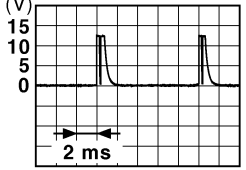

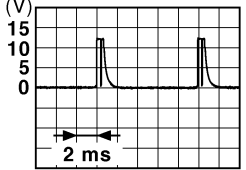
Terminal No. (Wire color)		Description		Condition	Value (Approx.)	
+	-	Signal name	Input/ Output			
76 (V)	Ground	Driver door antenna (-)	Output	When the driver door request switch is operated with ignition switch OFF	<p style="text-align: right; font-size: small;">JMKIA0062GB</p>	
				When Intelligent Key is not in the antenna detection area	<p style="text-align: right; font-size: small;">JMKIA0063GB</p>	
77 (P)	Ground	Driver door antenna (+)	Output	When the driver door 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>	
80 (SB)	Ground	NATS antenna amp.	Input/ Output	During waiting	Ignition switch is pressed while inserting Intelligent Key into the key slot.	Just after pressing ignition switch. Pointer of tester should move.
81 (O)	Ground	NATS antenna amp.	Input/ Output	During waiting	Ignition switch is pressed while inserting Intelligent Key into the key slot.	Just after pressing ignition switch. Pointer of tester should move.
82 (BR)	Ground	Ignition relay [fuse block (J/B)] control	Output	Ignition switch	OFF or ACC	0 V
					ON	Battery voltage

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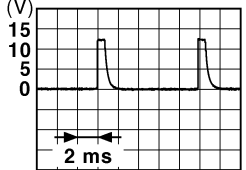
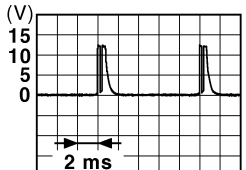

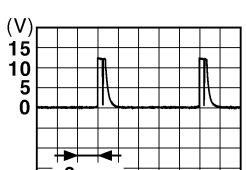

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

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

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

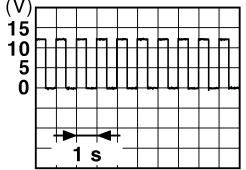
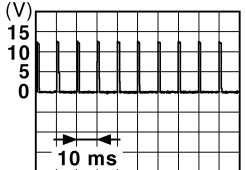
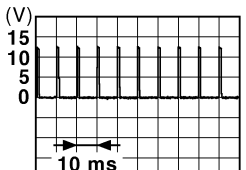
Terminal No. (Wire color)		Description		Condition	Value (Approx.)	
+	-	Signal name	Input/ Output			
88 (GR)	Ground	Combination switch INPUT 3	Input	Combination switch	All switches OFF (Wiper intermittent dial 4)	 <p style="text-align: right;">1.4 V</p>
					Lighting switch HI (Wiper intermittent dial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

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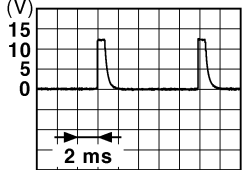
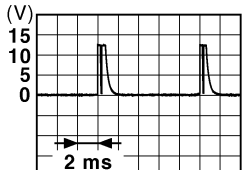

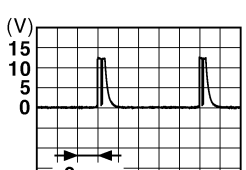

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition	Value (Approx.)	
		Signal name	Input/ Output			
+	-					
92 (R)	Ground	Key slot illumination	Output	Key slot illumination	OFF	0 V
				Blinking	 <p style="text-align: right; font-size: small;">JPMIA0015GB</p>	6.5 V
93 (P)	Ground	ON indicator lamp	Output	Ignition switch	OFF (LOCK and ACC indicator lamps are not illuminated.)	Battery voltage
				ON	0 V	
95 (L)	Ground	ACC relay control	Output	Ignition switch	OFF	0 V
				ACC or ON	Battery voltage	
96 (Y)	Ground	CVT shift selector (detention switch) power supply	Output	—	Battery voltage	
99 (V)	Ground	Selector lever P position switch	Input	Selector lever	P position	0 V
				Any position other than P	Battery voltage	
100 (P)	Ground	Passenger door request switch	Input	Passenger door request switch	ON (Pressed)	0 V
				OFF (Not pressed)	 <p style="text-align: right; font-size: small;">JPMIA0016GB</p>	1.0 V
101 (W)	Ground	Driver door request switch	Input	Driver door request switch	ON (Pressed)	0 V
				OFF (Not pressed)	 <p style="text-align: right; font-size: small;">JPMIA0016GB</p>	1.0 V
102 (Y)	Ground	Blower fan motor relay control	Output	Ignition switch	OFF or ACC	0 V
				ON	Battery voltage	
103 (L)	Ground	Remote keyless entry receiver power supply	Output	Ignition switch OFF	Battery voltage	

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

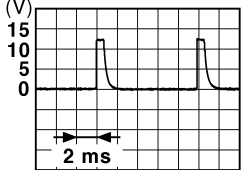
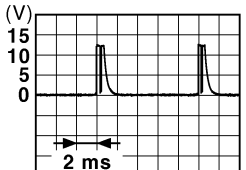
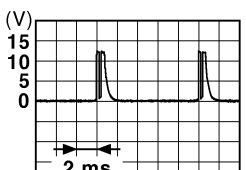
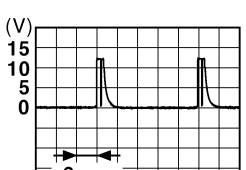
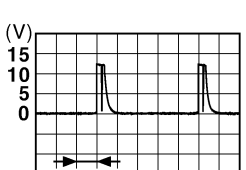
Terminal No. (Wire color)		Description		Condition	Value (Approx.)	
		Signal name	Input/ Output			
+	-					
107 (O)	Ground	Combination switch INPUT 1	Input	Combination switch (Wiper intermittent dial 4)	All switches OFF	 <p style="text-align: right;">1.4 V</p>
					Turn signal switch LH	 <p style="text-align: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

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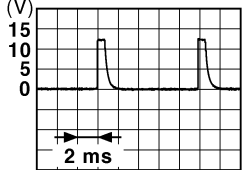
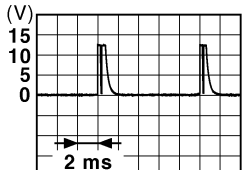

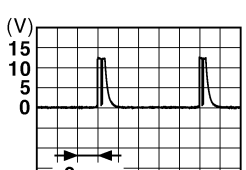

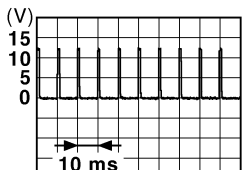
BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition	Value (Approx.)	
		Signal name	Input/ Output			
+	-					
108 (P)	Ground	Combination switch INPUT 4	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 AUTO (Wiper intermittent dial 4)	 <p style="text-align: right; font-size: small;">JPMIA0038GB</p> <p style="text-align: center;">1.3 V</p>
					Lighting switch 1ST (Wiper intermittent dial 4)	 <p style="text-align: right; font-size: small;">JPMIA0036GB</p> <p style="text-align: center;">1.3 V</p>
					Rear wiper switch INT (Wiper intermittent dial 4)	 <p style="text-align: right; font-size: small;">JPMIA0040GB</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 5 • Wiper intermittent dial 6 	 <p style="text-align: right; font-size: small;">JPMIA0039GB</p> <p style="text-align: center;">1.3 V</p>

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

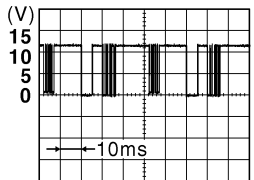
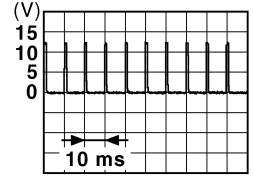
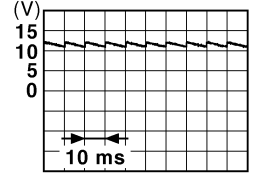
Terminal No. (Wire color)		Description		Condition	Value (Approx.)	
+	-	Signal name	Input/ Output			
109 (SB)	Ground	Combination switch INPUT 2	Input	Combination switch (Wiper intermit- tent dial 4)	All switches OFF	 <p style="text-align: right;">1.4 V</p>
					Lighting switch PASS	 <p style="text-align: right;">1.3 V</p>
					Lighting switch 2ND	 <p style="text-align: right;">1.3 V</p>
					Front wiper switch INT/ AUTO	 <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		

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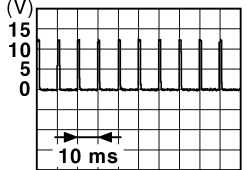
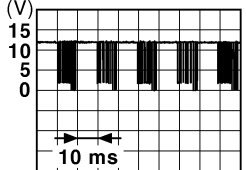
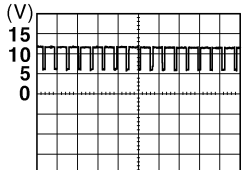
BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition		Value (Approx.)
+	-	Signal name	Input/ Output			
112 (R)	Ground	Rain sensor serial link	Input/ Output	Ignition switch ON		 8.7 V
113 (P/B)	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 (GR)	Ground	Stop lamp switch 1	Input	—		Battery voltage
118 (L)	Ground	Stop lamp switch 2	Input	Stop lamp switch	OFF (Brake pedal is not depressed)	0 V
					ON (Brake pedal is depressed)	Battery voltage
119 (W)	Ground	Front door lock assembly driver side (Unlock sensor)	Input	Driver door	LOCK status (unlock sensor switch OFF)	 1.1 V
					UNLOCK status (unlock sensor switch ON)	0 V
121 (Y)	Ground	Key slot switch	Input	When Intelligent Key is inserted into key slot		Battery voltage
				When Intelligent Key is not inserted into key slot		0 V
123 (G)	Ground	IGN feedback	Input	Ignition switch		OFF or ACC
				ON		Battery voltage
124 (R)	Ground	Passenger door switch	Input	Passenger door switch	OFF (When passenger door closes)	 11.8 V
					ON (When passenger door opens)	0 V

BCM (BODY CONTROL MODULE)

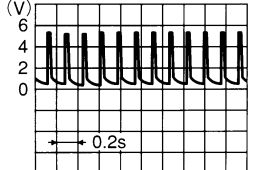

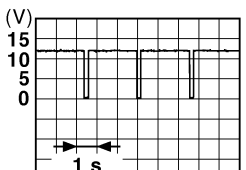
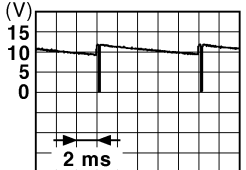
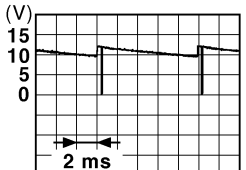
< ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition	Value (Approx.)
		Signal name	Input/ Output		
+	-				
130 (BR)	Ground	Rear window defogger switch	Input	Ignition switch ON	 <p style="text-align: right; font-size: small;">JPMIA0012GB</p>
				Rear window defogger switch ON	0 V
132 (G)	Ground	Power window switch communication	Input/ Output	Ignition switch ON	 <p style="text-align: right; font-size: small;">JPMIA0013GB</p>
				Ignition switch OFF or ACC	Battery voltage
133 (W)	Ground	Push-button ignition switch illumination	Output	ON (When tail lamps OFF)	9.5 V
				ON (When tail lamps ON)	<p>NOTE: The pulse width of this wave is varied by the illumination brightening/dimming level.</p>  <p style="text-align: right; font-size: small;">JPMIA0159GB</p>
134 (R)	Ground	LOCK indicator lamp	Output	LOCK indicator lamp	OFF (ACC and ON indicator lamps are not illuminated.)
				ON	Battery voltage
137 (P)	Ground	Receiver and sensor ground	Input	Ignition switch ON	0 V
138 (V)	Ground	Receiver and sensor power supply	Output	Ignition switch	OFF
				ACC or ON	5.0 V

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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition	Value (Approx.)
+	-	Signal name	Input/ Output		
139 (O)	Ground	Tire pressure receiver communication	Input/ Output	Ignition switch ON	Standby state  OCC3881D
				When receiving the signal from the transmitter  OCC3880D	
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 (O)	Ground	Security indicator	Output	Security indicator	ON 0 V
				Blinking  JPMA0014GB 11.3 V	
				OFF Battery voltage	
142 (L)	Ground	Combination switch OUTPUT 5	Output	Combination switch (Wiper intermittent dial 4)	All switches OFF 0 V
				Turn signal switch RH  JPMA0031GB 10.7 V	
					Lighting switch 1ST
					Lighting switch HI
143 (W)	Ground	Combination switch OUTPUT 1	Output	Combination switch	All switches OFF (Wiper intermittent dial 4) 0 V
				Any of the conditions below with all switches OFF • Wiper intermittent dial 1 • Wiper intermittent dial 2 • Wiper intermittent dial 3 • Wiper intermittent dial 6 • Wiper intermittent dial 7  JPMA0032GB 10.7 V	
					Rear wiper switch INT (Wiper intermittent dial 4)
					Front wiper switch HI (Wiper intermittent dial 4)

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition	Value (Approx.)	
+	-	Signal name	Input/ Output			
144 (P)	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 	
145 (V)	Ground	Combination switch OUTPUT 3	Output	Combination switch (Wiper intermit- tent dial 4)	All switches OFF	0 V
					Front wiper switch INT/ AUTO	
					Front wiper switch LO	
					Lighting switch AUTO	
146 (Y)	Ground	Combination switch OUTPUT 4	Output	Combination switch (Wiper intermit- tent dial 4)	All switches OFF	0 V
					Front fog lamp switch ON	
					Lighting switch 2ND	
					Lighting switch PASS	
					Turn signal switch LH	
150 (SB)	Ground	Driver door switch	Input	Driver door switch	OFF (When driver door closes)	 11.8 V
					ON (When driver door opens)	0 V
151 (G)	Ground	Rear window defog- ger relay control	Output	Rear window de- fogger	Active	0 V
					Not activated	Battery voltage

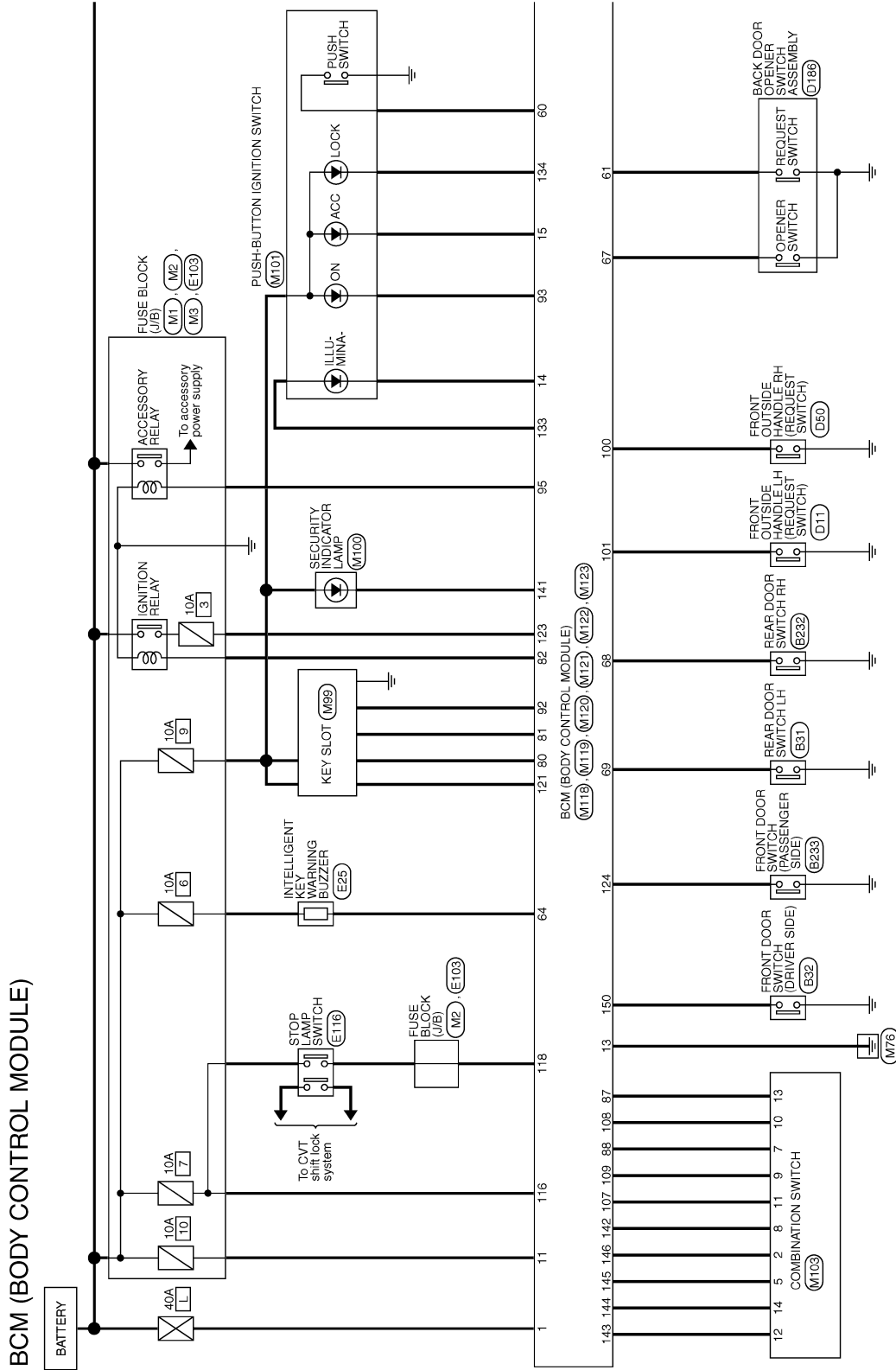
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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Wiring Diagram - BCM -

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2011/07/28

JRMWC5024GB

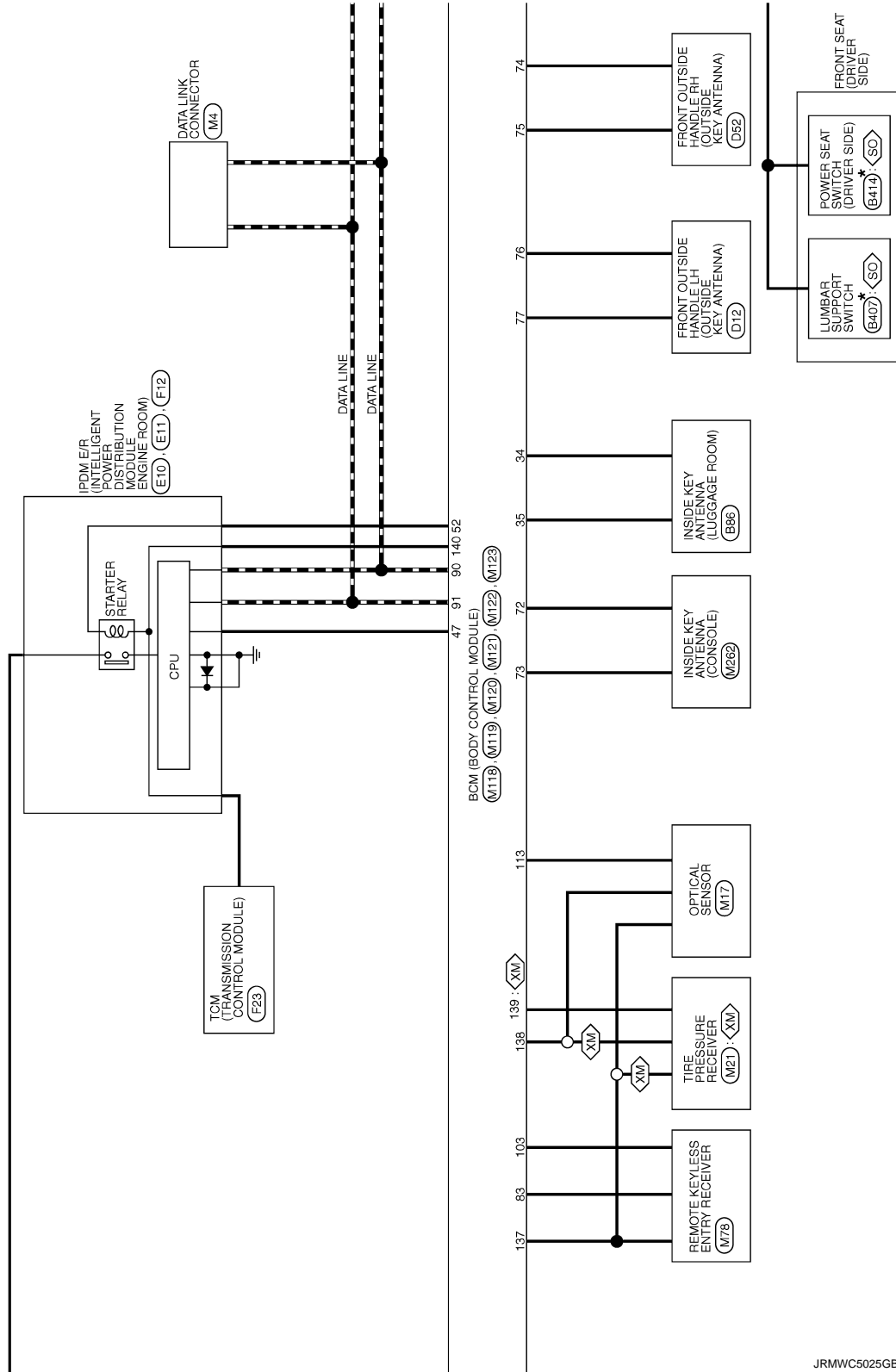
BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

XM: Except for Mexico

SO: With power seat without automatic drive positioner

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



JRMWC5025GB

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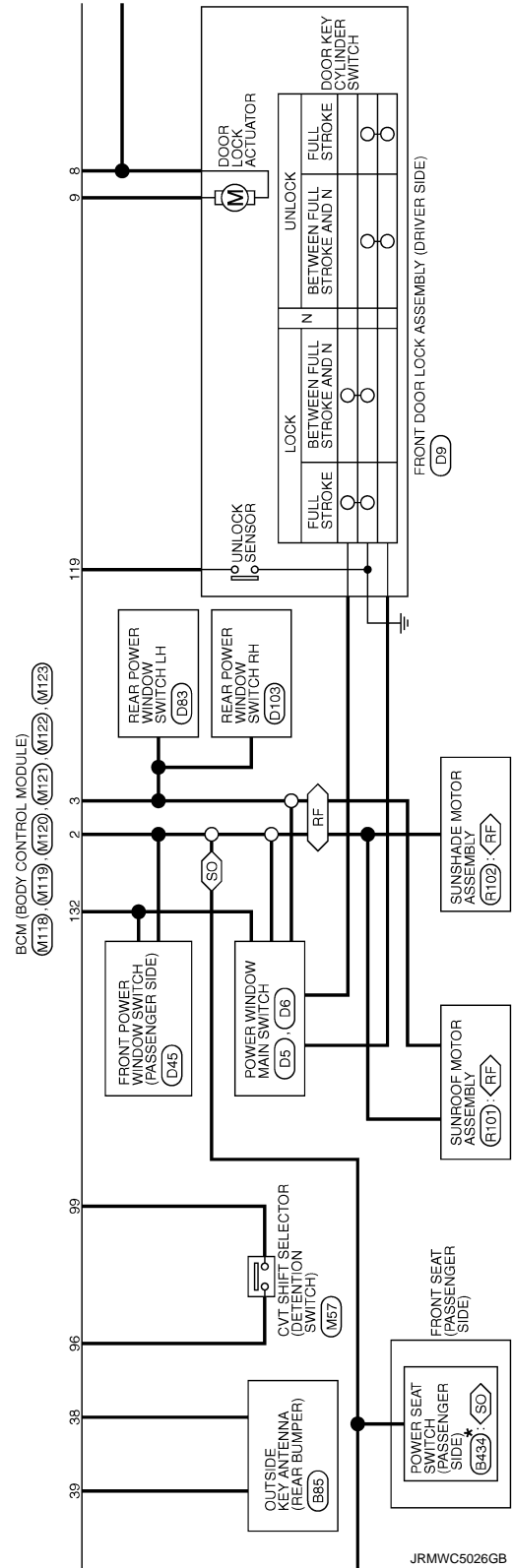
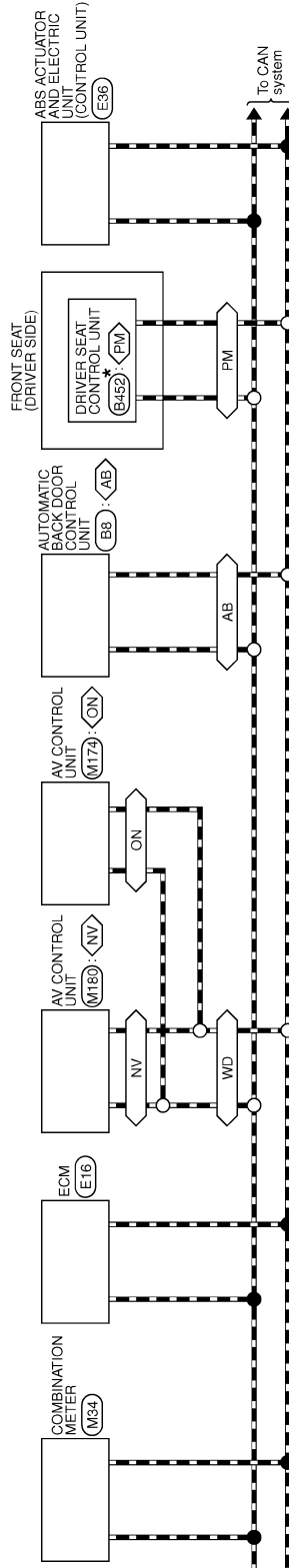
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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

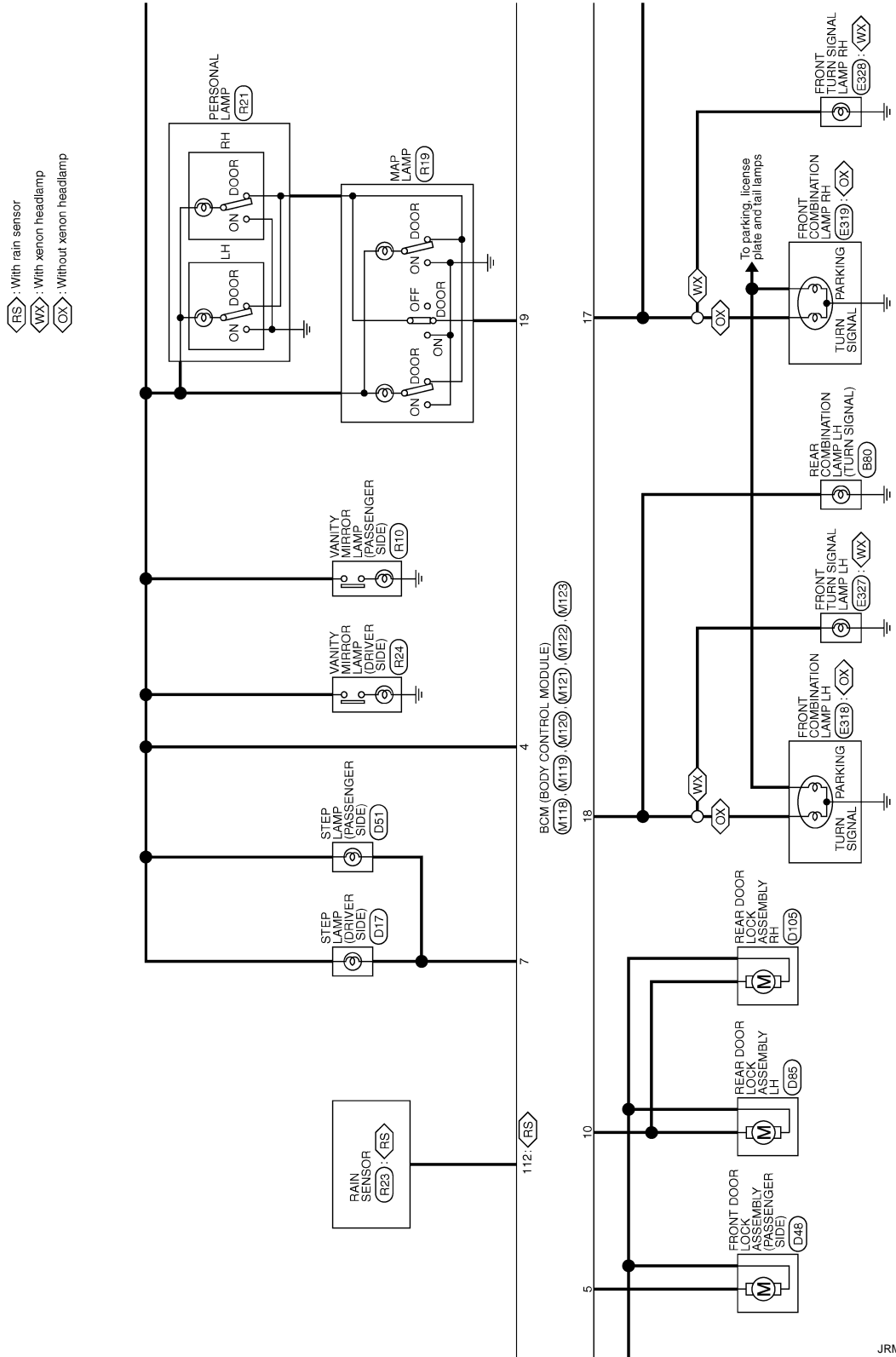
- <NV>: With navigation system
- <ON>: Without navigation system
- <RF>: With sunroof
- <PM>: With automatic drive positioner
- <SO>: With power seat without automatic drive positioner
- <AB>: With automatic back door
- <WD>: With color display

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



BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >



JRMWC5027GB

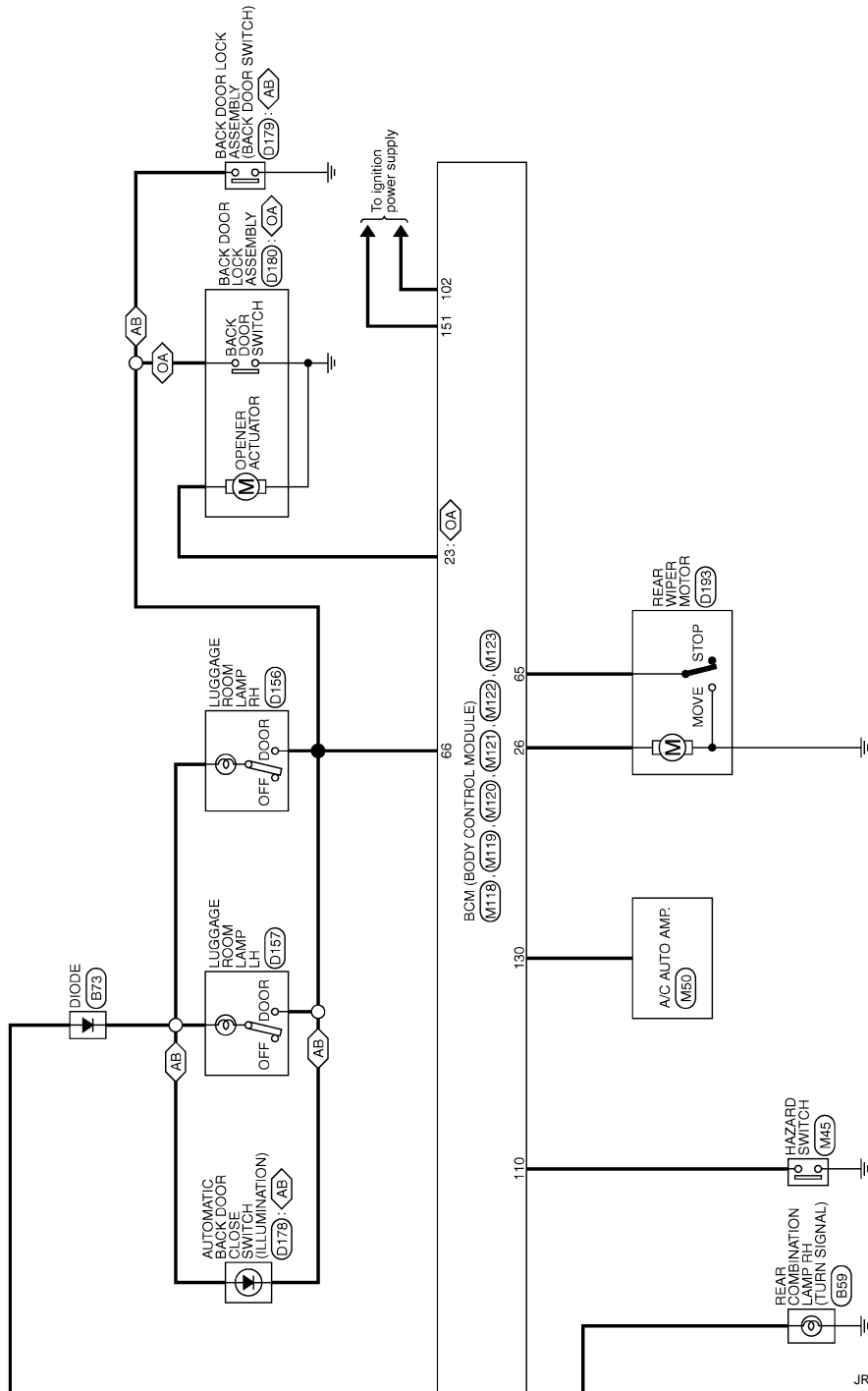
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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

AB : With automatic back door
OA : Without automatic back door



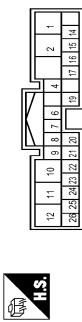
JRMWC5028GB

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

BCM (BODY CONTROL MODULE)

Connector No.	B8
Connector Name	AUTOMATIC BACK DOOR CONTROL UNIT
Connector Type	TH20FW-TB8



Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	BUZZER
2	Y	ABS CLOSE SW
3	Y	ABS CLOSE SW
4	Y	CAN-H
5	P	CAN-L
6	LG	HALF LATCH SW
7	GR	IGN
8	SB	BAT
9	R	CLOSURE MTR (CLOSE)
10	V	CLOSURE MTR (OPEN)
11	R	TOUCH SENS LH
12	V	TOUCH SENS LH
13	O	TOUCH SENS GND
14	W	TOUCH SENS RH
15	W	TOUCH SENS RH
16	W	MAIN SW
17	LG	CLOSE SW
18	P	CLOSE SW
19	B	GROUND
20	B	GROUND
21	B	GROUND
22	B	GROUND
23	GR	GROUND
24	BR	ENCODER B
25	Y	ENCODER A
26	G	ENCODER PWR

Connector No.	B51
Connector Name	REAR DOOR SWITCH LH
Connector Type	TH64FW-NH



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

Connector No.	B32
Connector Name	FRONT DOOR SWITCH (DRIVER SIDE)
Connector Type	TH64FW-NH



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

Connector No.	B59
Connector Name	REAR COMBINATION LAMP RH
Connector Type	NS6AMW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
1	BL	- [Without rear view camera]
2	LG	- [With rear view camera]
3	BR	-
4	P	-
5	L	-

Connector No.	B72
Connector Name	DIODE
Connector Type	24335-C9802



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

Connector No.	B60
Connector Name	REAR COMBINATION LAMP LH
Connector Type	NS6AMW-CS



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

Connector No.	B85
Connector Name	OUTSIDE KEY ANTENNA (REAR BUMPER)
Connector Type	RK02FCY



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

Connector No.	B88
Connector Name	INSIDE KEY ANTENNA (LUGGAGE ROOM)
Connector Type	RK02FCY



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

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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

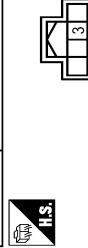
BCM (BODY CONTROL MODULE)

Connector No.	B232
Connector Name	REAR DOOR SWITCH RH
Connector Type	THREW-NH



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

Connector No.	B233
Connector Name	FRONT DOOR SWITCH (PASSENGER SIDE)
Connector Type	THREW-NH



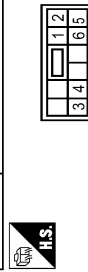
Terminal No.	Color Of Wire	Signal Name [Specification]
3	R	--

Connector No.	B407
Connector Name	LUMBAR SUPPORT SWITCH
Connector Type	NSDFBR-CS



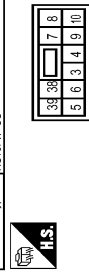
Terminal No.	Color Of Wire	Signal Name [Specification]
11	O	--
12	LG	--
13	Y/W	--
14	Y	--

Connector No.	B414
Connector Name	POWER SEAT SWITCH (DRIVER SIDE)
Connector Type	NSDFW-CS



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

Connector No.	B434
Connector Name	POWER SEAT SWITCH (PASSENGER SIDE)
Connector Type	NSDFW-CS



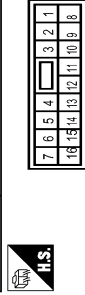
Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	--
2	B	--
3	G	--
4	G/R	--
5	V	--
6	R/L	--

Connector No.	B452
Connector Name	DRIVER SEAT CONTROL UNIT
Connector Type	TH2FPW



Terminal No.	Color Of Wire	Signal Name [Specification]
11	G/B	--
12	G/W	--
13	R/G	--
14	W/B	--
15	Y/B	--
16	Y/R	--
17	LG/B	--
18	LG/R	--
19	G/Y	--
20	R/Y	--
21	L/Y	--
22	BR/Y	--
23	P	--
24	P/L	--
25	G/O	--
26	L/O	--
27	V	--
28	W/B	--
29	BR	--
31	BR/W	--
32	W/L	--
33	W	--

Connector No.	D5
Connector Name	POWER WINDOW MAIN SWITCH
Connector Type	NSDFW-CS



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

Connector No.	D6
Connector Name	POWER WINDOW MAIN SWITCH
Connector Type	NSDFW-CS



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

JRMWE5831GB

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

BCM (BODY CONTROL MODULE)

Connector No.	D9
Connector Name	FRONT DOOR LOCK ASSEMBLY (DRIVER SIDE)
Connector Type	EBEGY-RS



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

Connector No.	D11
Connector Name	FRONT OUTSIDE HANDLE LH (REQUEST SWITCH)
Connector Type	PH02FB



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

Connector No.	D12
Connector Name	FRONT OUTSIDE HANDLE LH (OUTSIDE KEY ANTENNA)
Connector Type	PH02MGY



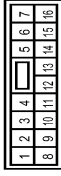
Terminal No.	Color Of Wire	Signal Name [Specification]
1	P	-
2	V	-

Connector No.	D17
Connector Name	STEP LAMP (DRIVER SIDE)
Connector Type	CO2FW



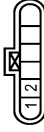
Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	-
2	R	-

Connector No.	D45
Connector Name	FRONT POWER WINDOW SWITCH (PASSENGER SIDE)
Connector Type	HS16FW-CS



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

Connector No.	D48
Connector Name	FRONT DOOR LOCK ASSEMBLY (PASSENGER SIDE)
Connector Type	EBEGY-RS



Terminal No.	Color Of Wire	Signal Name [Specification]
5	V	-
6	G	-

Connector No.	D50
Connector Name	FRONT OUTSIDE HANDLE RH (REQUEST SWITCH)
Connector Type	PH02EB



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

Connector No.	D51
Connector Name	STEP LAMP (PASSENGER SIDE)
Connector Type	CO2FW



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

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JRMWE5832GB

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

BCM (BODY CONTROL MODULE)

Connector No.	D82
Connector Name	FRONT OUTSIDE HANDLE RH (OUTSIDE KEY ANTENNA)
Connector Type	RK02M3Y



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

Connector No.	D83
Connector Name	REAR POWER WINDOW SWITCH LH
Connector Type	NS08FW-CS



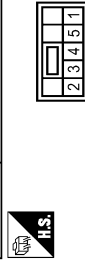
Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	--
2	P	--
3	SB	--
4	LG	--
5	L	--

Connector No.	D85
Connector Name	REAR DOOR LOCK ASSEMBLY LH
Connector Type	EB0EY-RS



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

Connector No.	D103
Connector Name	REAR POWER WINDOW SWITCH RH
Connector Type	NS08FW-CS



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

Connector No.	D105
Connector Name	REAR DOOR LOCK ASSEMBLY RH
Connector Type	EB0EY-RS



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

Connector No.	D155
Connector Name	LUGGAGE ROOM LAMP RH
Connector Type	CJ0FW



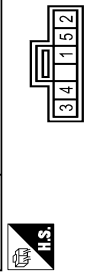
Terminal No.	Color Of Wire	Signal Name [Specification]
2	W	--
4	LG	--

Connector No.	D157
Connector Name	LUGGAGE ROOM LAMP LH
Connector Type	CJ0HEW



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

Connector No.	D178
Connector Name	AUTOMATIC BACK DOOR CLOSE SWITCH
Connector Type	TK0BEFY



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

JRMWE5833GB

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

BCM (BODY CONTROL MODULE)

Connector No.	D179
Connector Name	BACK DOOR LOCK ASSEMBLY
Connector Type	NSDFW-CS



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

Connector No.	D180
Connector Name	BACK DOOR LOCK ASSEMBLY
Connector Type	NSDFW-CS



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

Connector No.	D188
Connector Name	BACK DOOR OPENER SWITCH ASSEMBLY
Connector Type	TH64MW-NH



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

Connector No.	D183
Connector Name	REAR WIPER MOTOR
Connector Type	C04HW-1V



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

Connector No.	E10
Connector Name	INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	TH30FW-CS12-M4-1V



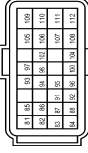
Terminal No.	Color Of Wire	Signal Name [Specification]
4	LG	-
7	GR	-
10	GR	-
12	B	-
13	SB	-
15	W	-
16	R	-
19	Y	-
20	L	-
21	O	-
22	SB	-
23	GR	-
24	G	-
25	GR	-
27	W	-
28	SB	-
30	BR	-
34	O	-
35	P	-
36	G	-
38	GR	-

Connector No.	E11
Connector Name	INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	TH08FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
39	P	-
40	B	-
42	SB	-
43	Y	-
44	W	-
45	O	-
46	BR	-

Connector No.	E16
Connector Name	ECM
Connector Type	IRH20FE-R28-1-LH



Terminal No.	Color Of Wire	Signal Name [Specification]
81	W	ACCELERATOR PEDAL POSITION SENSOR 1
82	O	ACCELERATOR PEDAL POSITION SENSOR 2
83	BR	SENSOR POWER SUPPLY
84	B	SENSOR GROUND
85	B	ASCO STEERING SWITCH
87	SB	EVAP CANISTER PURGE SENSOR
88	GR	SENSOR POWER SUPPLY
88	O	DATA LINK CONNECTOR
81	L	SENSOR POWER SUPPLY
92	BR	SENSOR GROUND
93	BR	IGNITION SWITCH
94	GR	ENGINE SPEED OUTPUT SIGNAL

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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

BCM (BODY CONTROL MODULE)

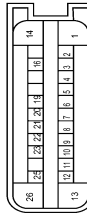
86	Y	FUEL TANK VAPOR LEAK SENSOR
87	GR	SENSOR GROUND
87	P	CAN COMMUNICATION LINE (CAN-L)
88	L	CAN COMMUNICATION LINE (CAN-H)
100	G	SENSOR GROUND
102	R	PNP SIGNAL
104	SB	SENSOR GROUND
105	V	POWER SUPPLY FOR ECM
106	SB	STOP LAMP SWITCH
107	B	ECM GROUND
108	B	ECM GROUND
109	W	EVAP CANISTER VENT CONTROL VALVE
110	G	ASSED BRAKE SWITCH
111	B	ECM GROUND
112	B	ECM GROUND

Connector No.	E25
Connector Name	INTELLIGENT KEY WARNING BUZZER
Connector Type	RK03FBR



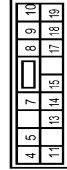
Terminal No.	1	3	GR
Color Of Wire	G	GR	
Signal Name [Specification]			

Connector No.	E36
Connector Name	ABS ACTUATOR AND ELECTRIC UNIT (CONTROL UNIT)
Connector Type	AE22FB-AJ24-LH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	VALVE / ECU SUPPLY
2	L	WSS RL SIG (-)
3	Y	WSS RL PWR (+)
4	GR	CLUSTER SUPPLY
5	B	WSS FR PWR (+)
6	W	WSS FR SIG (-)
7	LG	LIS
8	V	WSS FL SIG (-)
9	W	WSS FL PWR (+)
10	SB	CLUSTER GND
11	P	WSS RR PWR (+)
12	P	WSS RR SIG (-)
13	GW	MOTORS SUPPLY
14	B	ELIS
15	SB	ELIS
18	BR	CAN 2 H
20	GR	IGN
21	P	CAN 1 L
22	Y	VDC OFF SW
23	L	CAN 1 H
25	W	CAN 2 L
26	B/W	VALVE / ECU GND

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



Terminal No.	Color Of Wire	Signal Name [Specification]
11F	G	
12F	V	
2F	LG	
4F	BR	
8F	Y	
9F	R	
9F	GR	

Connector No.	E116
Connector Name	STOP LAMP SWITCH
Connector Type	MR0EW-LC



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

Connector No.	E318
Connector Name	FRONT COMBINATION LAMP LH
Connector Type	Z05FBR



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

Connector No.	E319
Connector Name	FRONT COMBINATION LAMP RH
Connector Type	Z03FBR



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

Connector No.	E327
Connector Name	FRONT TURN SIGNAL LAMP LH
Connector Type	RS02FCY



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

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

BCM (BODY CONTROL MODULE)

Connector No.	E228
Connector Name	FRONT TURN SIGNAL LAMP RH
Connector Type	HSREQCY



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

Connector No.	F12
Connector Name	INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	TH20FW-CS12-M4



Terminal No.	Color Of Wire	Signal Name [Specification]
48	W	-
49	R/B	-
51	LG	-
52	Y/G	-
53	R/W	-
54	G/W	-
55	W/L	-
56	R/Y	-
57	O	-
58	Y	-
59	W/B	-
60	R/B	-
72	R/B	-
75	LG	-
76	SB	-
77	GR	-
80	B	-

Connector No.	F23
Connector Name	TOM (TRANSMISSION CONTROL MODULE)
Connector Type	RH40FB-R23-L-RH



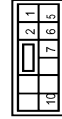
Terminal No.	Color Of Wire	Signal Name [Specification]
1	P/B	TRANSMISSION RANGE SWITCH 2
2	P/B	TRANSMISSION RANGE SWITCH 2
3	G/D	TRANSMISSION RANGE SWITCH 3
4	GR	TRANSMISSION RANGE SWITCH 3 (MONITOR)
5	B	GROUND
7	W	SENSOR GROUND
8	G/W	CLOCK (SEL 2)
9	L/R	CHP SELECT (SEL 1)
10	BR/R	DATA I/O (SEL 3)
11	BR/W	TRANSMISSION RANGE SWITCH 1
13	V	O/V FLUID TEMPERATURE SENSOR
14	R/W	PRIMARY PRESSURE SENSOR
15	V/W	SECONDARY PRESSURE SENSOR
19	G/B	REVERSE LAMP RELAY
20	R/B	STARTER RELAY
21	Y/B	STARTER RELAY
26	V/G	SENSOR POWER
27	R/G	STEP MOTOR D
28	R	STEP MOTOR C
29	O/B	STEP MOTOR B
30	G/R	STEP MOTOR A
31	P	CAN-H
32	L	CAN-L
33	LG	PRIMARY SPEED SENSOR
34	LG/R	SECONDARY SPEED SENSOR
37	V/R	LOCK-UP SELECT SOLENOID VALVE
38	L/W	TORQUE CONVERTER CLUTCH SOLENOID VALVE
39	W/B	SECONDARY PRESSURE SOLENOID VALVE
40	R/Y	LINE PRESSURE SOLENOID VALVE
42	Y	POWER SUPPLY
47	L/R	POWER SUPPLY (MEMORY BACK-UP)
48	Y	POWER SUPPLY

Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS8FW-M2



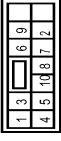
Terminal No.	Color Of Wire	Signal Name [Specification]
1A	Y	-
2A	Y	-
3A	Y	-
4A	GR	-
7A	LG	-
8A	Y	-

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



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

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



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

Connector No.	M4
Connector Name	DATA LINK CONNECTOR
Connector Type	BD18FW



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

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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

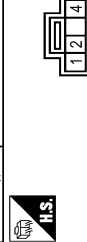
BCM (BODY CONTROL MODULE)

Connector No.	M17
Connector Name	OPTICAL SENSOR
Connector Type	TK09EW



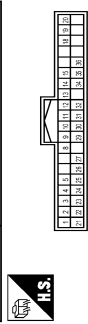
Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	Y	-
3	P	-

Connector No.	M21
Connector Name	TIRE PRESSURE RECEIVER
Connector Type	TK09EW



Terminal No.	Color Of Wire	Signal Name [Specification]
1	P	GROUND
2	O	SIGNAL
4	V	POWER

Connector No.	M34
Connector Name	COMBINATION METER
Connector Type	TH40EW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	BATTERY POWER SUPPLY
2	LG	IGN SIGNAL
3	B	GROUND
4	B	GROUND
5	SB	ILLUMINATION CONTROL SIGNAL
8	SB	TRIP RESET SIGNAL
9	W	SW ILL POWER
10	LG	METER CONTROL SWITCH GROUND
11	L	ENTER SWITCH SIGNAL
12	R	SELECT SWITCH SIGNAL
13	V	ILLUMINATION CONTROL SWITCH SIGNAL (2-PULSE)
14	GR	ILLUMINATION CONTROL SWITCH SIGNAL (3)
15	BR	AIR BAG SIGNAL
16	G	AMBIENT SENSOR SIGNAL
17	Y	AMBIENT SENSOR SIGNAL
20	Y	AMBIENT SENSOR GROUND
21	L	CAN-H
22	P	CAN-L
23	B	GROUND
24	W	FUEL LEVEL SENSOR GROUND
25	BR	ALTERNATOR SIGNAL
26	G	PARKING BRAKE SWITCH SIGNAL
27	V	WASHER FLUID LEVEL SWITCH SIGNAL
28	R	WASHER LEVEL SWITCH SIGNAL
30	P	VEHICLE SPEED SIGNAL (2-PULSE)
31	V	VEHICLE SPEED SIGNAL (3-PULSE)
32	LG	OVERDRIVE CONTROL SWITCH SIGNAL
34	G	FUEL LEVEL SENSOR SIGNAL
35	B	SEAT BELT BUZZER (WITH COLOR DISPLAY)
36	R	SEAT BELT BUZZER (WITHOUT COLOR DISPLAY)

Connector No.	M35
Connector Name	HAZARD SWITCH
Connector Type	TK09EW



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

Connector No.	M50
Connector Name	A/C AUTO AMP
Connector Type	SA040FW



Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	CAN-H
2	P	CAN-L
6	L	TX AMP SW & DISP
7	P	RX (SW AMP)
10	G	LAN SIG (Without colour display)
10	L	LAN SIG (With colour display)
11	R	WACTR
15	BR	SUN SENS
16	Y	SUN SENS (Without colour display)
18	R	INTAKE SENS (With colour display)
18	B	INTAKE SENS (Without colour display)
20	G	IGN
26	GR	RR DEF F/B
27	BR	RR DEF ON
32	L	FAN PWM
34	P	AMB POWER (With colour display)

34	V	AMB POWER (Without colour display)
35	G	AMB SENS (With colour display)
35	L	AMB SENS (Without colour display)
36	LG	INCAR SENS
37	SB	SENS GND (Without colour display)
37	Y	SENS GND (With colour display)
39	B	GND (POWER)
40	Y	BAT

Connector No.	M57
Connector Name	CVT SHIFT SELECTOR
Connector Type	TK10FW



Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG	-
4	B	-
6	P	-
7	B	-
8	Y	-
9	Y	-

Connector No.	M78
Connector Name	REMOTE KEYLESS ENTRY RECEIVER
Connector Type	JAB04FB



Terminal No.	Color Of Wire	Signal Name [Specification]
1	P	GROUND
2	P	SIGNAL
4	L	+12V

JRMWE5837GB

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

BCM (BODY CONTROL MODULE)

Connector No.	M189
Connector Name	KEY SLOT
Connector Type	TH18FW-NH



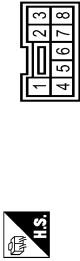
Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	BAT
2	GB	CLCK
3	GR	CLAT
4	R	ILLBAT
5	R	ILL
6	B	GROUND
7	B	KEY SWITCH SIGNAL
11	Y	GROUND
12	W	KEY SWITCH SIGNAL

Connector No.	M100
Connector Name	SECURITY INDICATOR LAMP
Connector Type	TR02FBR



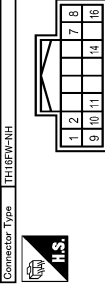
Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	GROUND
2	O	GROUND

Connector No.	M101
Connector Name	PUSH-BUTTON IGNITION SWITCH
Connector Type	TK08FBR



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

Connector No.	M103
Connector Name	COMBINATION SWITCH
Connector Type	TH18FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	G	GROUND
2	Y	OUTPUT 4
3	BG	FR
4	W	IGN
5	W	OUTPUT 3
6	W	IGN
7	GR	OUTPUT 3
8	L	OUTPUT 5
9	SB	INPUT 2
10	P	INPUT 4
11	O	INPUT 1
12	W	OUTPUT 1

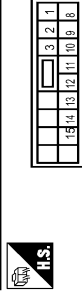
Terminal No.	13	R	INPUT 5
Terminal No.	14	P	OUTPUT 2

Connector No.	M118
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	M18FEE-LC



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

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



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

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



Terminal No.	Color Of Wire	Signal Name [Specification]
23	BR	BACK DOOR OPEN OUTPUT
28	G	REAR WIPER OUTPUT

Connector No.	M121
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH48FCY-NH



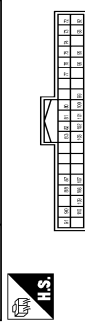
Terminal No.	Color Of Wire	Signal Name [Specification]
34	B	LUGGAGE ROOM ANT-
35	W	LUGGAGE ROOM ANT+
38	L	REAR BUMPER ANT-
39	BR	REAR BUMPER ANT+
47	L	IGN RELAY (PDM E/R) CONT
52	R	STARTER RELAY CONT
60	BR	PUSH SW
61	R	BACK DOOR OPENER REQUEST SW
65	O	KEY WARN BUZZER
66	O	REAR WIPER STOP POSITION
67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

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

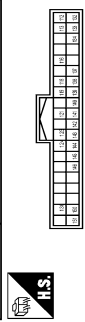
BCM (BODY CONTROL MODULE)

Connector No.	M122
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH48PB-NH



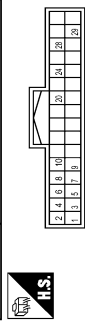
Terminal No.	Color Of Wire	Signal Name [Specification]
72	B	ECOM ANT-
73	W	ECOM ANT+
74	Y	PASSENGER DOOR ANT-
75	LG	PASSENGER DOOR ANT+
76	V	DRIVER DOOR ANT-
77	P	DRIVER DOOR ANT+
80	SB	NATS ANT AMP
81	O	NATS ANT AMP
82	BR	IGN RELAY (F/B) CONT
83	P	KEYLESS ENTRY RECEIVER COMM
87	R	COMBI SW INPUT 5
88	GR	COMBI SW INPUT 3
90	P	CAN-L
91	L	CAN-H
92	B	IGN IND
93	P	ACC RELAY CONT
95	L	CVT SHIFT SELECTOR POWER SUPPLY
99	V	SHIFT P
100	P	PASSENGER DOOR REQUEST SW
101	W	DRIVER DOOR REQUEST SW
102	Y	BLOWER RELAY CONT
103	L	KEYLESS ENTRY RECEIVER POWER SUPPLY
107	O	COMBI SW INPUT 1
108	P	COMBI SW INPUT 4
109	SB	COMBI SW INPUT 2
110	G	HAZARD SW

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



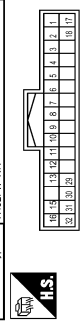
Terminal No.	Color Of Wire	Signal Name [Specification]
112	P/B	RAIN SENSOR SERIAL LINK
113	GR	OFF-GAS SENSOR
116	GR	STOP LAMP SW 1
118	L	STOP LAMP SW 2
119	W	DR DOOR UNLOCK SENSOR
121	Y	KEY SLOT SW
123	G	IGN F/B
124	R	PASSENGER DOOR SW
130	BR	REAR DEFOGGER SW
132	G	POWER WINDOW SW COMM
133	W	PUSH-BUTTON IGNITION SW ILL POWER
134	R	LOCK IND
137	P	RECEIVER SENSOR GND
138	O	RECEIVER SENSOR POWER SUPPLY
140	GR	TIRE PRESSURE MONITOR COMM
141	O	SHIFT LOCK
142	O	SECURITY AND LAMP CONT
143	W	COMBI SW OUTPUT 1
144	P	COMBI SW OUTPUT 2
145	V	COMBI SW OUTPUT 3
146	Y	COMBI SW OUTPUT 4
150	SB	DRIVER DOOR SW
151	G	REAR WINDOW DEFOGGER RELAY CONT

Connector No.	M174
Connector Name	AV CONTROL UNIT
Connector Type	TH32FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
77	SB	AV COMM (L)
78	LG	AV COMM (H)
79	SB	AV COMM (L)
80	P	CAN-H
81	L	CAN-H
82	V	SW GND
85	L	SHIELD
87	R	TEL VOICE SIGNAL (-)
88	L	TEL VOICE SIGNAL (+)
92	V	VEHICLE SPEED SIGNAL (8-PULSE)
93	G	PARKING BRAKE (Without EDS system)
94	SB	REVERSE
95	G	IGNITOR
102	W	DISK MOTOR SIGNAL
103	W	AVX SOUND SIGNAL GND
103	B	AVX SOUND SIGNAL LH (+)
104	R	AVX SOUND SIGNAL RH (-)

Connector No.	M180
Connector Name	AV CONTROL UNIT
Connector Type	TH32FW-NH



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

Connector No.	M262
Connector Name	INSIDE KEY ANTENNA (CONSOLE)
Connector Type	IRK02PGY



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

JRMWE5839GB

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

BCM (BODY CONTROL MODULE)

Connector No.	R18
Connector Name	VANITY MIRROR LAMP (PASSENGER SIDE)
Connector Type	MCA02FW



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

Connector No.	R19
Connector Name	MAP LAMP
Connector Type	TK0BEFY



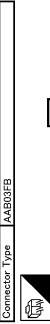
Terminal No.	Color Of Wire	Signal Name [Specification]
1	P/W	-
2	Y	-
3	B	-
4	SB	-
5	R/Y	-
6	R/L	-

Connector No.	R21
Connector Name	PERSONAL LAMP
Connector Type	TH04FW-NH



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

Connector No.	R23
Connector Name	RAIN SENSOR
Connector Type	LA0B03FB



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

Connector No.	R24
Connector Name	VANITY MIRROR LAMP (DRIVER SIDE)
Connector Type	MCA02FW



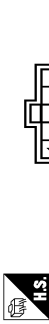
Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	-
2	P/W	-

Connector No.	R101
Connector Name	SUNROOF MOTOR ASSEMBLY
Connector Type	YEAD0FY



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	GROUND
2	O	GROUND
3	L	IGN
4	Y	PUSH SW
5	LG	OPEN SW
6	R	BAT
7	P	COMM
8	BR	VEHICLE SPEED (2-PULSE)
9	W	2ND SW
10	V	CLOSE SW

Connector No.	R102
Connector Name	SUNSHADE MOTOR ASSEMBLY
Connector Type	YEAD0FY



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	GROUND
6	O	GROUND
7	D	COMM
8	BR	VEHICLE SPEED (2-PULSE)

Fail-safe

FAIL-SAFE CONTROL BY DTC

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

JRMWE5840GB

INFOID:000000010129268

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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

HIGH FLASHER OPERATION

BCM detects the turn signal lamp circuit status by the current value.

BCM increases the turn signal lamp blinking speed if the bulb or harness open is detected with the turn signal lamp operating.

NOTE:

The blinking speed is normal while activating the hazard warning lamp.

FAIL-SAFE CONTROL BY RAIN SENSOR MALFUNCTION

- BCM judges the rain sensor serial link error by the rain sensor serial link condition and detects the rain sensor malfunction by rain sensor malfunction signal.
- When BCM detects the rain sensor serial link error or the rain sensor malfunction while front wiper AUTO operation, BCM operates a fail-safe control.

NOTE:

If rain sensor malfunction is detected when ignition switch is turned OFF ⇒ ON and front wiper switch is INT/AUTO position, BCM operates a fail-safe control.

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 stop.
2. Turn rear wiper switch OFF.
3. Operate the rear wiper switch or rear washer switch.

DTC Inspection Priority Chart

INFOID:000000010129269

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

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

Priority	DTC	
1	B2562: LOW VOLTAGE	A
2	<ul style="list-style-type: none"> • U1000: CAN COMM • U1010: CONTROL UNIT(CAN) 	B
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 	C
4	<ul style="list-style-type: none"> • B2553: IGNITION RELAY • B2555: STOP LAMP • B2556: PUSH-BTN IGN SW • B2557: VEHICLE SPEED • B2560: STARTER CONT RELAY • B2601: SHIFT POSITION • B2602: SHIFT POSITION • B2603: SHIFT POSI STATUS • B2604: PNP SW • B2605: PNP SW • B2608: STARTER RELAY • B260A: IGNITION RELAY • B260F: ENG STATE SIG LOST • B2614: ACC RELAY CIRC • B2615: BLOWER RELAY CIRC • B2616: IGN RELAY CIRC • B2617: STARTER RELAY CIRC • B2618: BCM • B261A: PUSH-BTN IGN SW • B261E: VEHICLE TYPE • B26EA: KEY REGISTRATION • C1729: VHCL SPEED SIG ERR • U0415: VEHICLE SPEED SIG 	D
		E
5	<ul style="list-style-type: none"> • C1704: LOW PRESSURE FL • C1705: LOW PRESSURE FR • C1706: LOW PRESSURE RR • C1707: LOW PRESSURE RL • C1708: [NO DATA] FL • C1709: [NO DATA] FR • C1710: [NO DATA] RR • C1711: [NO DATA] RL • C1716: [PRESSDATA ERR] FL • C1717: [PRESSDATA ERR] FR • C1718: [PRESSDATA ERR] RR • C1719: [PRESSDATA ERR] RL • C1734: CONTROL UNIT 	F
		G
6	<ul style="list-style-type: none"> • B2622: INSIDE ANTENNA • B2623: INSIDE ANTENNA 	H
		I
		J
		K
		L
		M
		N

DTC Index

INFOID:000000010129270

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 \(BCM - COMMON ITEM\)"](#).

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
No DTC is detected. further testing may be required.	—	—	—	—	—
U1000: CAN COMM	—	—	—	—	BCS-42
U1010: CONTROL UNIT(CAN)	—	—	—	—	BCS-43
U0415: VEHICLE SPEED SIG	—	—	—	—	BCS-44
B2190: NATS ANTENNA AMP	×	—	—	—	SEC-42
B2191: DIFFERENCE OF KEY	×	—	—	—	SEC-45
B2192: ID DISCORD BCM-ECM	×	—	—	—	SEC-46
B2193: CHAIN OF BCM-ECM	×	—	—	—	SEC-48
B2195: ANTI SCANNING	×	—	—	—	SEC-49
B2553: IGNITION RELAY	—	×	—	—	PCS-50
B2555: STOP LAMP	—	×	—	—	SEC-50
B2556: PUSH-BTN IGN SW	—	×	×	—	SEC-52
B2557: VEHICLE SPEED	×	×	×	—	SEC-54
B2560: STARTER CONT RELAY	×	×	×	—	SEC-55
B2562: LOW VOLTAGE	—	×	—	—	BCS-45
B2601: SHIFT POSITION	×	×	×	—	SEC-56
B2602: SHIFT POSITION	×	×	×	—	SEC-59
B2603: SHIFT POSI STATUS	×	×	×	—	SEC-61
B2604: PNP SW	×	×	×	—	SEC-64
B2605: PNP SW	×	×	×	—	SEC-66
B2608: STARTER RELAY	×	×	×	—	SEC-68
B260A: IGNITION RELAY	×	×	×	—	PCS-52
B260F: ENG STATE SIG LOST	×	×	×	—	SEC-70
B2614: ACC RELAY CIRC	—	×	×	—	PCS-54
B2615: BLOWER RELAY CIRC	—	×	×	—	PCS-57
B2616: IGN RELAY CIRC	—	×	×	—	PCS-60
B2617: STARTER RELAY CIRC	×	×	×	—	SEC-72
B2618: BCM	×	×	×	—	PCS-63
B261A: PUSH-BTN IGN SW	—	×	×	—	SEC-75
B261E: VEHICLE TYPE	×	×	× (Turn ON for 15 seconds)	—	SEC-78
B2622: INSIDE ANTENNA	—	×	—	—	DLK-91
B2623: INSIDE ANTENNA	—	×	—	—	DLK-93
B26EA: KEY REGISTRATION	—	×	× (Turn ON for 15 seconds)	—	SEC-71
C1704: LOW PRESSURE FL	—	—	—	×	WT-23
C1705: LOW PRESSURE FR	—	—	—	×	
C1706: LOW PRESSURE RR	—	—	—	×	
C1707: LOW PRESSURE RL	—	—	—	×	

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

CONSULT display	Fail-safe	Freeze Frame Data •Vehicle Speed •Odo/Trip Meter •Vehicle Condition	Intelligent Key warning lamp ON	Tire pressure monitor warning lamp ON	Reference
C1708: [NO DATA] FL	—	—	—	×	WT-25
C1709: [NO DATA] FR	—	—	—	×	
C1710: [NO DATA] RR	—	—	—	×	
C1711: [NO DATA] RL	—	—	—	×	
C1716: [PRESSDATA ERR] FL	—	—	—	×	WT-28
C1717: [PRESSDATA ERR] FR	—	—	—	×	
C1718: [PRESSDATA ERR] RR	—	—	—	×	
C1719: [PRESSDATA ERR] RL	—	—	—	×	
C1729: VHCL SPEED SIG ERR	—	—	—	×	WT-29
C1734: CONTROL UNIT	—	—	—	×	WT-30

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COMBINATION METER

< ECU DIAGNOSIS INFORMATION >

COMBINATION METER

Reference Value

INFOID:000000010129271

VALUES ON THE DIAGNOSIS TOOL

NOTE:

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

Monitor Item	Condition		Value/Status
SPEED METER [km/h]	Ignition switch ON	While driving	Equivalent to speedometer reading NOTE: 655.35 is displayed when the malfunction signal is received
SPEED OUTPUT [km/h]	Ignition switch ON	While driving	Equivalent to speedometer reading NOTE: 655.35 is displayed when the malfunction signal is received
ODO OUTPUT [km/h or mph]	Ignition switch ON	—	Equivalent to odometer reading in combination meter
TACHO METER [rpm]	Ignition switch ON	While driving	Equivalent to tachometer reading NOTE: 8191.875 is displayed when the malfunction signal is received
FUEL METER [L]	Ignition switch ON	—	Values according to fuel level
W TEMP METER [°C]	Ignition switch ON	—	Values according to engine coolant temperature NOTE: 215 is displayed when the malfunction signal is input
FUEL CAP W/L	Ignition switch ON	Fuel filler cap warning display ON	On
		Fuel filler cap warning display OFF	Off
ABS W/L	Ignition switch ON	ABS warning lamp ON	On
		ABS warning lamp OFF	Off
VDC/TCS IND	Ignition switch ON	VDC OFF indicator lamp ON	On
		VDC OFF indicator lamp OFF	Off
SLIP IND	Ignition switch ON	VDC warning lamp ON	On
		VDC warning lamp OFF	Off
BRAKE W/L	Ignition switch ON	Brake warning lamp ON	On
		Brake warning lamp OFF	Off
DOOR W/L	Ignition switch ON	Door warning lamp ON	On
		Door warning lamp OFF	Off
HI-BEAM IND	Ignition switch ON	High-beam indicator lamp ON	On
		High-beam indicator lamp OFF	Off
TURN IND	Ignition switch ON	Turn signal indicator lamp ON	On
		Turn signal indicator lamp OFF	Off
LIGHT IND	Ignition switch ON	Light indicator lamp ON	On
		Light indicator lamp OFF	Off
OIL W/L	Ignition switch ON	Oil pressure warning lamp ON	On
		Oil pressure warning lamp OFF	Off



COMBINATION METER

< ECU DIAGNOSIS INFORMATION >

Monitor Item	Condition		Value/Status	
MIL	Ignition switch ON	Malfunction indicator lamp ON	On	A
		Malfunction indicator lamp OFF	Off	
CRUISE IND	Ignition switch ON	CRUISE indicator lamp ON	On	B
		CRUISE indicator lamp OFF	Off	
O/D OFF IND	Ignition switch ON	O/D OFF indicator lamp ON	On	C
		O/D OFF indicator lamp OFF	Off	
4WD W/L	Ignition switch ON	AWD warning lamp ON	On	D
		AWD warning lamp OFF	Off	
4WD LOCK IND	Ignition switch ON	AWD LOCK indicator lamp ON	On	E
		AWD LOCK indicator lamp OFF	Off	
FUEL W/L	Ignition switch ON	Low-fuel warning lamp ON	On	F
		Low-fuel warning lamp OFF	Off	
WASHER W/L	Ignition switch ON	Washer warning displayed	On	G
		Washer warning not displayed	Off	
AIR PRES W/L	Ignition switch ON	Low tire pressure lamp ON	On	H
		Low tire pressure lamp OFF	Off	
KEY G/Y W/L	Ignition switch ON	Key warning lamp (green/yellow) ON	On	I
		Key warning lamp (green/yellow) OFF	Off	
LCD	Ignition switch ON	Engine start information display	B&P I	J
	Ignition switch ACC	Engine start information display	B&P N	
	Ignition switch LOCK	Key ID warning display	ID NG	K
	Ignition switch LOCK	Steering lock information display	ROTAT	
	Ignition switch LOCK	P position warning display	SFT P	
	Ignition switch LOCK	Intelligent Key insert information display	INSRT	
	Ignition switch LOCK	Intelligent Key low battery warning display	BATT	INL
	Ignition switch ON	Take away warning display	NO KY	M
	Ignition switch LOCK	Key warning display	OUTKY	
	Ignition switch ON	ACC warning display	LK WN	N
SHIFT IND	Ignition switch ON	Shift position indicator P display	P	O
		Shift position indicator R display	R	
		Shift position indicator N display	N	
		Shift position indicator D display	D	P
		Shift position indicator L display	L	
O/D OFF SW	Ignition switch ON	Overdrive control switch ON	On	
		Overdrive control switch OFF	Off	
M RANGE SW	Ignition switch ON	NOTE: This item is displayed, but cannot be monitored.	Off	

COMBINATION METER

< ECU DIAGNOSIS INFORMATION >

Monitor Item	Condition		Value/Status
NM RANGE SW	Ignition switch ON	NOTE: This item is displayed, but cannot be monitored.	Off
AT SFT UP SW	Ignition switch ON	NOTE: This item is displayed, but cannot be monitored.	Off
AT SFT DWN SW	Ignition switch ON	NOTE: This item is displayed, but cannot be monitored.	Off
ST SFT UP SW	Ignition switch ON	NOTE: This item is displayed, but cannot be monitored.	Off
ST SFT DWN SW	Ignition switch ON	NOTE: This item is displayed, but cannot be monitored.	Off
PKB SW	Ignition switch ON	Parking brake switch ON	On
		Parking brake switch OFF	Off
BUCKLE SW	Ignition switch ON	Seat belt (driver side) not fastened	On
		Seat belt (driver side) fastened	Off
BRAKE OIL SW	Ignition switch ON	Brake fluid level switch ON	On
		Brake fluid level switch OFF	Off
DISTANCE [km]	Ignition switch ON	—	Possible driving distance calculated by combination meter
A/C AMP CONN	Ignition switch ON	Other than the following	On
		Receives ambient sensor power signal	Off
ENTER SW	Ignition switch ON	When  is pressed	On
		Other than the above	Off
SELECT SW	Ignition switch ON	When  is pressed	On
		Other than the above	Off
OUTSIDE TEMP [°C] or [°F]	Ignition switch ON	—	Equivalent to ambient temperature NOTE: This may not match the indicated value on the information display.
FUEL LOW SIG	Ignition switch ON	Low fuel warning displayed	On
		Low fuel warning not displayed	Off
BUZZER	Ignition switch ON	Buzzer ON	On
		Buzzer OFF	Off
BSW IND	Ignition switch ON	Blind Spot Intervention ON indicator (green) ON	On
		Blind Spot Intervention ON indicator (green) OFF	Off
BSW W/L	Ignition switch ON	BSW/Blind Spot Intervention warning lamp (yellow) ON	On
		BSW/Blind Spot Intervention warning lamp (yellow) OFF	Off
LDW IND	Ignition switch ON	Lane departure warning lamp (yellow) or LDW ON indicator lamp (green) ON	On
		Lane departure warning lamp (yellow) and LDW ON indicator lamp (green) OFF	Off

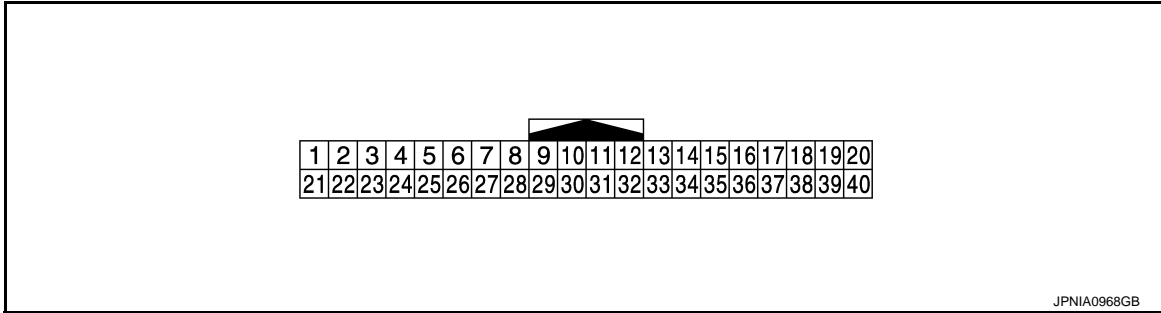
NOTE:

Some items are not available according to vehicle specification.

COMBINATION METER

< ECU DIAGNOSIS INFORMATION >

TERMINAL LAYOUT



PHYSICAL VALUES


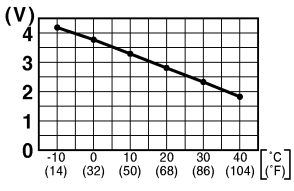
Terminal No. (Wire color)		Description		Condition		Value (Approx.)
+	-	Signal name	Input/ Output			
1 (Y)	Ground	Battery power supply	Input	Ignition switch OFF	—	Battery voltage
2 (LG)	Ground	IGN signal	Input	Ignition switch ON	—	Battery voltage
3 (B)	Ground	Ground	—	Ignition switch ON	—	0 V
5 (SB)	Ground	Illumination control signal	Output	Ignition switch ON	<ul style="list-style-type: none"> Lighting switch 1ST When meter illumination is maximum 	<p style="text-align: right; font-size: small;">JPNIA0828GB</p>
					<ul style="list-style-type: none"> Lighting switch 1ST When meter illumination is minimum 	<p style="text-align: right; font-size: small;">JPNIA0827GB</p>
8 (SB)	10 (LG)	Trip reset signal	Input	Ignition switch ON	When trip reset switch is pressed.	0 V
					Other than the above	5 V
10 (LG)	Ground	Meter control switch ground	—	Ignition switch ON	—	0 V
11 (L)	10 (LG)	Enter switch signal	Input	Ignition switch ON	When is pressed.	0 V
					Other than the above	5 V
12 (R)	10 (LG)	Select switch signal	Input	Ignition switch ON	When is pressed.	0 V
					Other than the above	5 V
13 (Y*1 or V*2)	10 (LG)	Illumination control switch signal (+)	Input	Ignition switch ON	When is pressed.	0 V
					Other than the above	5 V

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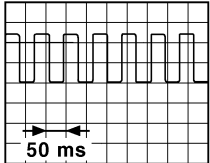
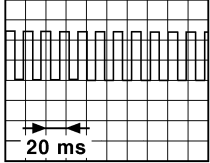
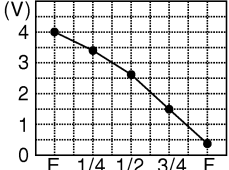
COMBINATION METER

< ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition		Value (Approx.)
+	-	Signal name	Input/ Output			
14 (GR)	10 (LG)	Illumination control switch signal (-)	Input	Ignition switch ON	When  is pressed.	0 V
					Other than the above	5 V
15 (BR)	Ground	Air bag signal	Input	Ignition switch ON	Air bag warning lamp ON	4 V
					Air bag warning lamp OFF	0 V
18 (L)	Ground	Ambient sensor signal	Input	Ignition switch ON	Changes depending to amb- ient temperature.	 <p style="text-align: center; font-size: small;">JSNIA0014GB</p>
19 (P)	Ground	Ambient sensor power	Input	Ignition switch ON	—	5 V
20 (Y)	Ground	Ambient sensor ground	Input	Ignition switch ON	—	0 V
21 (L)	—	CAN-H	—	—	—	—
22 (P)	—	CAN-L	—	—	—	—
23 (B)	Ground	Ground	—	Ignition switch ON	—	0 V
24 (W)	Ground	Fuel level sensor ground	—	Ignition switch ON	—	0 V
25 (BR)	Ground	Alternator signal	Input	Ignition switch ON	Charge warning lamp ON	2 V
					Charge warning lamp OFF	12 V
26 (G)	Ground	Parking brake switch signal	Input	Ignition switch ON	Parking brake ON	0 V
					Parking brake OFF	5 V
27 (V)	Ground	Brake fluid level switch sig- nal	Input	Ignition switch ON	Brake fluid level is normal	12 V
					Brake fluid level is less than LOW level	0 V
29 (R)	Ground	Washer level switch signal	Input	Ignition switch ON	Washer level switch ON	0 V
					Washer level switch OFF	5 V

COMBINATION METER

< ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition	Value (Approx.)	
+	-	Signal name	Input/ Output			
30 (P)	Ground	Vehicle speed signal (2-pulse)	Output	Ignition switch ON	Speedometer operated [When vehicle speed is ap- prox. 40 km/h (25 MPH)] <div style="display: flex; align-items: center;"> <div style="margin-right: 10px;">NOTE: The maximum voltage varies de- pending on the specification (destination unit).</div>  </div> <p style="text-align: right; font-size: small;">JSNIA0015GB</p>	
31 (V)	Ground	Vehicle speed signal (8-pulse)	Output	Ignition switch ON	Speedometer operated [When vehicle speed is ap- prox. 40 km/h (25 MPH)] <div style="display: flex; align-items: center;"> <div style="margin-right: 10px;">NOTE: The maximum voltage varies de- pending on the specification (destination unit).</div>  </div> <p style="text-align: right; font-size: small;">JSNIA0012GB</p>	
32 (LG)	Ground	Overdrive control switch signal	Input	Ignition switch ON	Overdrive control switch pressed.	0 V
				Ignition switch ON	Overdrive control switch not pressed.	12 V
34 (G)	Ground	Fuel level sensor signal	Input	Ignition switch ON	—	 <p style="text-align: right; font-size: small;">JPNIA0740ZZ</p>
35 (SB)	Ground	Seat belt buckle switch sig- nal (driver side)	Input	Ignition switch ON	When driver seat belt is fas- tened.	12 V
					When driver seat belt is un- fastened.	0 V
36 (R)	Ground	Seat belt buckle switch sig- nal (passenger side)	Input	Ignition switch ON	<ul style="list-style-type: none"> • When getting in the pas- senger seat. • When passenger seat belt is fastened. 	12 V
					<ul style="list-style-type: none"> • When getting in the pas- senger seat. • When passenger seat belt is unfastened. 	0 V

*1: Without automatic drive positioner

*2: With automatic drive positioner

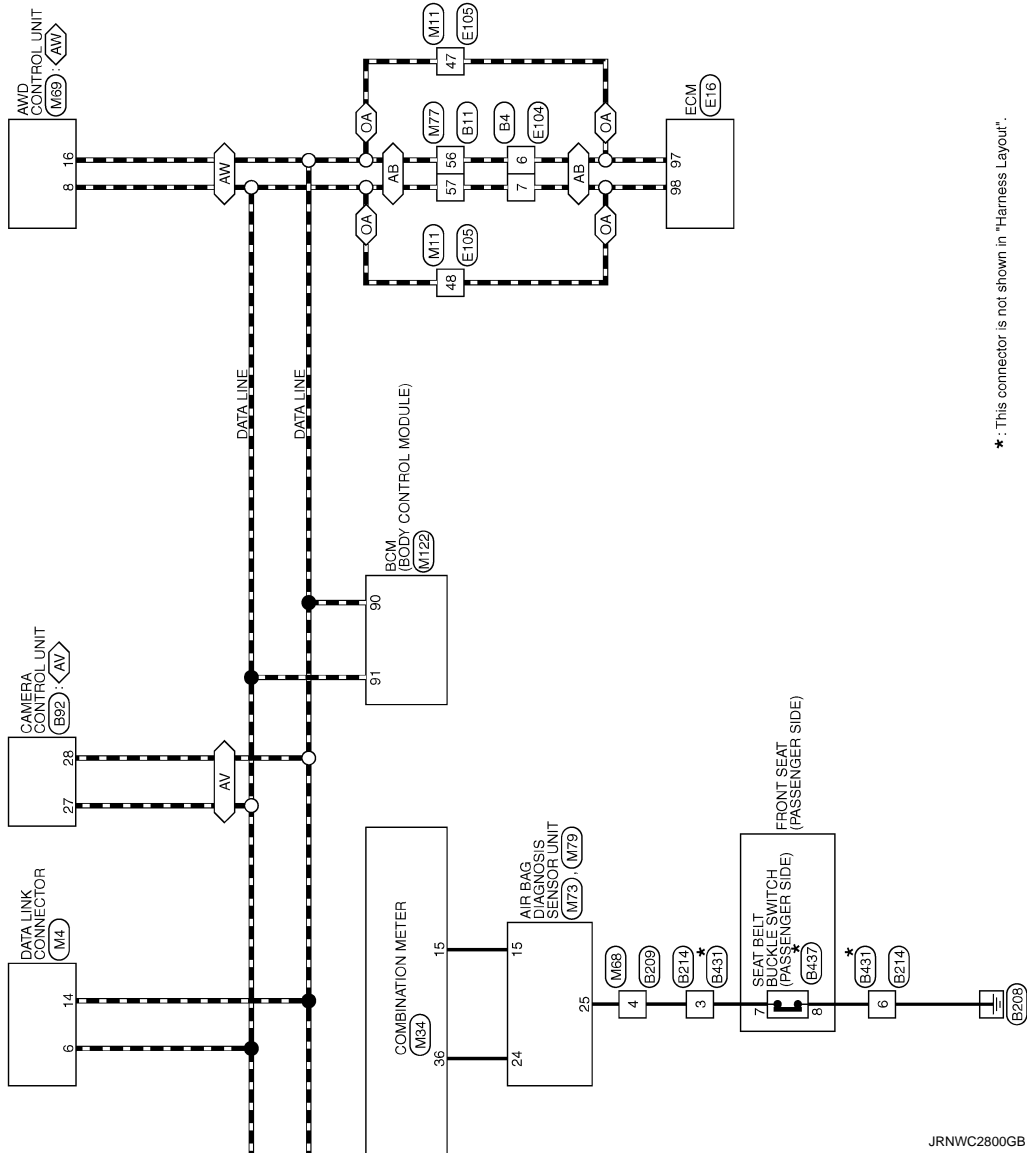
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COMBINATION METER

< ECU DIAGNOSIS INFORMATION >

- AW: AWD models
- AB: With automatic back door
- OA: Without automatic back door
- AV: With around view monitor



JRNWC2800GB

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

COMBINATION METER

< ECU DIAGNOSIS INFORMATION >

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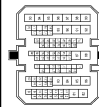
Connector No.	B4
Connector Name	WIRE TO WIRE
Connector Type	NS18BMW-CS



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

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

Connector No.	B11
Connector Name	WIRE TO WIRE
Connector Type	TH88MM-CS19



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

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

Connector No.	B18
Connector Name	WIRE TO WIRE
Connector Type	NS18BMW-CS



1	2
3	4
5	6

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

Connector No.	B19
Connector Name	WIRE TO WIRE
Connector Type	NS18BMW-CS



3	4
8	9
10	11
12	13
15	16

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

COMBINATION METER

< ECU DIAGNOSIS INFORMATION >

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

Connector No.	B40
Connector Name	FUEL LEVEL SENSOR UNIT AND FUEL PUMP
Connector Type	ED5FGY-RS

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

Connector No.	B82
Connector Name	CAMERA CONTROL UNIT
Connector Type	TH48FW-NH

Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	GROUND
2	V	BAT
3	G	-
4	G	BSW INDICATOR LH
5	G	BSW INDICATOR RH
15	BR	WARNING SYSTEMS ON INDICATOR
17	GR	WARNING SYSTEMS SWITCH
25	R	REVERSE
27	L	CAN-H
28	P	CAN-L

Connector No.	B411
Connector Name	WIRE TO WIRE
Connector Type	NS58MM-CS

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

Connector No.	B431
Connector Name	WIRE TO WIRE
Connector Type	NS58MM-CS

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

Connector No.	B409
Connector Name	SEAT BELT BUCKLE SWITCH (DRIVER SIDE)
Connector Type	A03MFP-P

Terminal No.	Color Of Wire	Signal Name [Specification]
15	W/G	-
16	GR	-

Connector No.	B714
Connector Name	WIRE TO WIRE
Connector Type	NS306FW-CS

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

Connector No.	B411
Connector Name	WIRE TO WIRE
Connector Type	NS58MM-CS

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

Connector No.	B714
Connector Name	WIRE TO WIRE
Connector Type	NS306FW-CS

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

Connector No.	B411
Connector Name	WIRE TO WIRE
Connector Type	NS58MM-CS

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

Connector No.	B431
Connector Name	WIRE TO WIRE
Connector Type	NS58MM-CS

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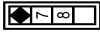
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COMBINATION METER

< ECU DIAGNOSIS INFORMATION >

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Connector No.	B437
Connector Name	SEAT BELT BUCKLE SWITCH (PASSENGER SIDE)
Connector Type	A03MW-P



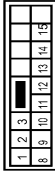
Terminal No.	Color Of Wire	Signal Name [Specification]
7	W/G	
8	GR	

Connector No.	B448
Connector Name	SEAT BELT BUCKLE SWITCH (DRIVER SIDE)
Connector Type	A03MW-P



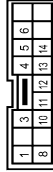
Terminal No.	Color Of Wire	Signal Name [Specification]
40	W/G	
41	GR	

Connector No.	B460
Connector Name	WIRE TO WIRE
Connector Type	INS16MW-CS



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

Connector No.	EB
Connector Name	WIRE TO WIRE
Connector Type	TK (BMG7-IV)



Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	
3	Y	
4	R	
5	GR	

8	V	
9	W	
10	W	
11	G	
12	BR	
13	SB	
14	B	

Connector No.	EB
Connector Name	WIRE TO WIRE
Connector Type	INS12MBR-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
3	GR	
4	SB	
5	O	
8	G	
9	W	
10	Y	
11	G	

Connector No.	E10
Connector Name	POWER IN INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	TH520PW-CS12-M4-IV



Terminal No.	Color Of Wire	Signal Name [Specification]
4	LG	
5	Y	
7	GR	
10	BR	

12	B	
13	SB	
14	W	
16	R	
19	Y	
20	L	
21	O	
22	SB	
23	GR	
24	G	
25	GR	
26	Y	
27	W	
28	SB	
30	BR	
31	O	
34	D	
36	G	
38	GR	

Connector No.	E11
Connector Name	POWER IN INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	TH05PW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
39	P	
40	L	
41	B	
42	SB	
43	Y	
44	W	
45	O	
46	BR	

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COMBINATION METER

< ECU DIAGNOSIS INFORMATION >

Terminal No.	Color Of Wire	Signal Name [Specification]
80	W	ACCELERATOR PEDAL POSITION SENSOR 1
81	W	ACCELERATOR PEDAL POSITION SENSOR 2
82	G	ACCELERATOR PEDAL POSITION SENSOR 2
83	BR	SENSOR POWER SUPPLY
84	B	SENSOR GROUND
85	Y	ASC/D STEERING SWITCH
86	SB	EVAP CONTROL SYSTEM PRESSURE SENSOR
87	GR	SENSOR POWER SUPPLY
88	O	DATA LINK CONNECTOR
91	L	SENSOR POWER SUPPLY
92	BR	SENSOR GROUND
93	BR	IGNITION SWITCH
94	GR	ENGINE SPEED OUTPUT SIGNAL
95	Y	FUEL TANK TEMPERATURE SENSOR
96	GR	SENSOR GROUND
98	L	CAN COMMUNICATION LINE (CAN-L)
99	G	SENSOR GROUND
100	G	SENSOR GROUND
102	R	PNE SIGNAL
104	SB	SENSOR GROUND
105	V	POWER SUPPLY FOR ECM
106	SB	STOP LAMP SWITCH
107	B	ECM GROUND
108	B	ECM GROUND
109	W	EVAP CANISTER VENT CONTROL VALVE
110	G	ASC/D BRAKE SWITCH
111	B	ECM GROUND
112	B	ECM GROUND

Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	VALVE / ECU SUPPLY
2	R	WSS RL SIG (-)
3	L	WSS RL PWR (+)
4	GR	CLUSTER SUPPLY
5	B	WSS FR PWR (+)
6	W	WSS FR SIG (-)
7	LG	LIS
8	V	WSS FL SIG (-)
9	W	WSS FL PWR (+)
10	SB	CLUSTER GND
11	Y	WSS RR PWR (+)
12	L	WSS RR SIG (-)
13	B/W	MOTOR GND
14	G	MOTOR SUPPLY
16	SB	BLS
19	BR	CAN 2 H
20	GR	IGN
21	P	CAN 1 L
22	Y	VDC OFF SW

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Terminal No.	Color Of
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COMBINATION METER

< ECU DIAGNOSIS INFORMATION >

METER

81	BR	-	-
82	L/O	-	-
84	SHIELD	-	-
86	W	-	-
87	BR	-	-
88	Y	-	-
89	SB	-	-
70	GR	-	-
71	SB	-	-
72	Y	-	-
73	L	-	-
74	W	-	-
75	BR	-	-
76	GR	-	-
77	O	-	-
78	G	-	-
78	V	-	-
79	Y	-	-
80	R	-	-
81	W	-	-
82	LG	-	-
83	O	-	-

Connector No.	E308
Connector Name	ALTERNATOR
Connector Type	E-L48



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

Connector No.	E537
Connector Name	AMBIENT SENSOR
Connector Type	RC32FB



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

Connector No.	E338
Connector Name	WASHER LEVEL SWITCH
Connector Type	Z02FBR



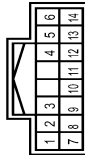
Terminal No.	1
Color Of Wire	R
Signal Name [Specification]	-
Terminal No.	2
Color Of Wire	B
Signal Name [Specification]	-

Connector No.	E539
Connector Name	WIRE TO WIRE
Connector Type	NS12EBC-CS



Terminal No.	3
Color Of Wire	O
Signal Name [Specification]	-
Terminal No.	4
Color Of Wire	O
Signal Name [Specification]	-
Terminal No.	5
Color Of Wire	O
Signal Name [Specification]	-
Terminal No.	8
Color Of Wire	G
Signal Name [Specification]	-
Terminal No.	9
Color Of Wire	W
Signal Name [Specification]	-
Terminal No.	10
Color Of Wire	Y
Signal Name [Specification]	-
Terminal No.	11
Color Of Wire	R
Signal Name [Specification]	-

Connector No.	E348
Connector Name	IPANEL IN INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	TH18FW-NH



Terminal No.	91
Color Of Wire	R
Signal Name [Specification]	-
Terminal No.	92
Color Of Wire	LG
Signal Name [Specification]	-
Terminal No.	99
Color Of Wire	BR
Signal Name [Specification]	-
Terminal No.	100
Color Of Wire	SB
Signal Name [Specification]	-
Terminal No.	101
Color Of Wire	L
Signal Name [Specification]	-
Terminal No.	102
Color Of Wire	B
Signal Name [Specification]	-
Terminal No.	103
Color Of Wire	P
Signal Name [Specification]	-

Connector No.	F12
Connector Name	IPANEL IN INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	TH20FW-CS12-M4



Terminal No.	48
Color Of Wire	W
Signal Name [Specification]	-
Terminal No.	49
Color Of Wire	R
Signal Name [Specification]	-
Terminal No.	51
Color Of Wire	LG
Signal Name [Specification]	-
Terminal No.	52
Color Of Wire	Y/G
Signal Name [Specification]	-
Terminal No.	53
Color Of Wire	R/W
Signal Name [Specification]	-
Terminal No.	54
Color Of Wire	G/W
Signal Name [Specification]	-
Terminal No.	55
Color Of Wire	W/L
Signal Name [Specification]	-
Terminal No.	56
Color Of Wire	R/Y
Signal Name [Specification]	-
Terminal No.	57
Color Of Wire	O
Signal Name [Specification]	-
Terminal No.	58
Color Of Wire	Y
Signal Name [Specification]	-
Terminal No.	69
Color Of Wire	W/B
Signal Name [Specification]	-
Terminal No.	70
Color Of Wire	O
Signal Name [Specification]	-
Terminal No.	72
Color Of Wire	R/B
Signal Name [Specification]	-
Terminal No.	75
Color Of Wire	LG
Signal Name [Specification]	-
Terminal No.	76
Color Of Wire	SB
Signal Name [Specification]	-
Terminal No.	77
Color Of Wire	GR
Signal Name [Specification]	-
Terminal No.	80
Color Of Wire	B
Signal Name [Specification]	-

Connector No.	F23
Connector Name	TCM (TRANSMISSION CONTROL MODULE)
Connector Type	RH40FE-R28-L-RH



Terminal No.	1
Color Of Wire	P/B
Signal Name [Specification]	TRANSMISSION RANGE SWITCH 2
Terminal No.	2
Color Of Wire	P/L
Signal Name [Specification]	TRANSMISSION RANGE SWITCH 3
Terminal No.	3
Color Of Wire	G/O
Signal Name [Specification]	TRANSMISSION RANGE SWITCH 4

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COMBINATION METER

< ECU DIAGNOSIS INFORMATION >

METER

4	GR	TRANSMISSION RANGE SWITCH 3 (MONITORE)
5	B	GROUND
7	W	SENSOR GROUND
8	G/W	CLOCK (SEL 2)
9	L/R	CHIP SELECT (SEL 1)
10	BR/R	DATA I/O (SEL 3)
11	BR/W	TRANSMISSION RANGE SWITCH 1
13	V	CVT FLUID TEMPERATURE SENSOR
14	R/W	PRIMARY PRESSURE SENSOR
15	V/W	SECONDARY PRESSURE SENSOR
19	G/B	REVERSE LAMP RELAY
20	R/B	STARTER RELAY
25	W/R	SENSOR GROUND
26	L/O	SENSOR POWER
27	LG	POWER LOCK
28	B	STEP MOTOR C
29	O/B	STEP MOTOR B
30	G/R	STEP MOTOR A
31	P	CAN-L
32	L	CAN-H
33	LG	PRIMARY SPEED SENSOR
34	LG/R	SECONDARY SPEED SENSOR
37	V/R	LOCK-UP SELECT SOLENOID VALVE
38	L/W	TORQUE CONVERTER CLUTCH SOLENOID VALVE
39	W/B	SECONDARY PRESSURE SOLENOID VALVE
40	R/Y	LINE PRESSURE SOLENOID VALVE
42	B	GROUND
46	Y	POWER SUPPLY
48	L/R	POWER SUPPLY (BACK-UP)
48	Y	POWER SUPPLY

Connector No. F60
 Connector Name ALTERNATOR
 Connector Type HSD0FE

Terminal No.	Color Of Wire	Signal Name [Specification]
3	BR	-
4	Y/B	-
5	SB	-

Connector No.	M4
Connector Name	DATA LINK CONNECTOR
Connector Type	BD1BEW

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

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

Terminal No.	Color Of Wire	Signal Name [Specification]
3A	G	-
7A	LG	-
7B	Y	-
7C	LG	-
7D	Y	-
7E	LG	-
7F	Y	-
7G	LG	-
7H	Y	-
7I	LG	-
7J	Y	-
7K	LG	-
7L	Y	-
7M	LG	-
7N	Y	-
7O	LG	-
7P	Y	-
7Q	LG	-
7R	Y	-
7S	LG	-
7T	Y	-
7U	LG	-
7V	Y	-
7W	LG	-
7X	Y	-
7Y	LG	-
7Z	Y	-

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

Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG	-
3	G/R	-
4	G/B	-
5	R	-
6	L/R	-
8	P	-
10	Y/B	-
11	BR/W	-
12	BR	-
13	G	-
14	B	-

Connector No.	M11
Connector Name	WIRE TO WIRE
Connector Type	T170BEW-CS10P-M3

Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
3	G/R	-
4	G/B	-
5	R	-
6	L/R	-
8	P	-
10	Y/B	-
11	BR/W	-
12	BR	-
13	G	-
14	B	-

Connector No.	F60
Connector Name	ALTERNATOR
Connector Type	HSD0FE

Terminal No.	Color Of Wire	Signal Name [Specification]
3	BR	-
4	Y/B	-
5	SB	-

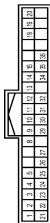
JRNWC8908GB

COMBINATION METER

< ECU DIAGNOSIS INFORMATION >


Terminal No.	Color	Wire	Signal Name [Specification]
20	Y		[With colour display]
21	BR		
22	LG		
23	W		
24	Y		
25	L		
26	BR		
27	R		
28	R		
29	L		
30	R		
31	R		
32	L		
33	B		
34	B		
35	P		
36	L		
37	W		
38	GR		
39	GR		
40	LG		
41	Y		
42	V		
43	V		
44	SB		
45	P		
46	LG		
47	V		
48	L		
49	W		
50	GR		
51	GR		
52	LG		
53	V		
54	SB		
55	P		
56	LG		
57	V		
58	V		
59	Y		
60	GR		
61	GR		
62	BR		
63	V		
64	SHIELD		
65	W		
66	W		
67	R		
68	W		
69	C		
70	D		
71	G		
72	BR		
73	L		
74	W		
75	BR		
76	R		
77	G		
78	Y		
79	G		
80	R		
81	W		
82	W		
83	BG		

Connector No.	M24
Connector Name	COMBINATION METER
Connector Type	TH40FW-NH



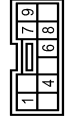
Terminal No.	Color	Wire	Signal Name [Specification]
1	G		BATTERY POWER SUPPLY
2	G		IGNITION POWER SUPPLY
3	B		GROUND
4	B		GROUND
5	SB		ILLUMINATION CONTROL SIGNAL
6	SB		TRIP RESET SIGNAL
7	W		SWILL POWER
8	W		METER CONTROL SWITCH GROUND
9	LG		ENTER SWITCH SIGNAL
10	LG		SELECT SWITCH SIGNAL
11	L		ILLUMINATION CONTROL SWITCH SIGNAL (-)
12	R		AMBIENT SENSOR SIGNAL
13	V		AMBIENT SENSOR POWER
14	GR		AMBIENT SENSOR GROUND
15	BR		CAN-L
16	L		CAN-T
17	L		GROUND
18	L		FUEL LEVEL SENSOR GROUND
19	L		ALTERNATOR SIGNAL
20	W		PARKING BRAKE SWITCH SIGNAL
21	G		WASHER LEVEL SWITCH SIGNAL
22	V		VEHICLE SPEED SIGNAL (2-PULSE)
23	V		VEHICLE SPEED SIGNAL (8-PULSE)
24	LG		OVERDRIVE CONTROL SWITCH SIGNAL
25	G		FUEL LEVEL SENSOR SIGNAL
26	R		SEAT BELT BUOGE SWITCH SIGNAL (DRIVER SIDE)
27	R		SEAT BELT BUOGE SWITCH SIGNAL (PASSENGER SIDE)

Connector No.	M50
Connector Name	A/C AUTO AMP.
Connector Type	SAB40FW



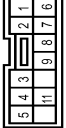
Terminal No.	Color	Wire	Signal Name [Specification]
1	L		CAN-H
2	L		CAN-L
3	L		TX (AMP SW T DISP)
4	P		RX (SW AMP)
5	G		LAN SIG (Without colour display)
6	L		LAN SIG (With colour display)
7	R		YACTR
8	BR		SUN SENS
9	G		INTAKE SENS [With colour display]
10	R		INTAKE SENS [Without colour display]
11	B		GROUND
12	G		IGN
13	GR		RR DEF F7B
14	BR		RR DEF-ON
15	L		AMB POWER [With colour display]
16	V		AMB POWER [Without colour display]
17	G		AMB SENS [With colour display]
18	L		AMB SENS [Without colour display]
19	LG		INCAR SENS
20	SB		SENS GND [Without colour display]
21	Y		SENS GND [With colour display]
22	B		GND (POWER)
23	Y		BAT

Connector No.	M57
Connector Name	C/VT SHIFT SELECTOR
Connector Type	TK10FW



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

Connector No.	M58
Connector Name	WIRE TO WIRE
Connector Type	TK12FC-Y



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

JRNWC8909GB

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COMBINATION METER

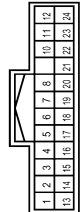
< ECU DIAGNOSIS INFORMATION >

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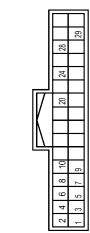
Terminal No.	Color Of Wire	Signal Name [Specification]
80	P	CAN-L
81	P	CAN-H
82	B	KEY SELECT CONT
83	P	ON IND
85	L	ACC RELAY CONT
86	Y	CVT SHIFT SELECTOR POWER SUPPLY
99	V	SHIFT P
100	P	PASSENGER DOOR REQUEST SW
101	W	DRIVER DOOR REQUEST SW
102	Y	BLOWER RELAY CONT
103	L	KEYLESS ENTRY RECEIVER POWER SUPPLY
107	O	COMBI SW INPUT 1
108	P	COMBI SW INPUT 2
109	SB	COMBI SW INPUT 2
110	G	HAZARD SW

Terminal No.	Color Of Wire	Signal Name [Specification]
80	P	CAN-L
81	L	CAN-H
82	V	SW GND
86	SHIELD	SHIELD
87	R	TEL VOICE SIGNAL (-)
88	L	TEL VOICE SIGNAL (+)
92	V	VEHICLE SPEED SIGNAL (8-PULSE)
93	G	PARKING BRAKE (Without BOSE system)
94	SB	REVERSE
95	G	IGNITION
96	W	DISK EJECT SIGNAL
102	B	AUX SOUND SIGNAL LH (-)
104	R	AUX SOUND SIGNAL RH (+)



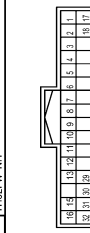
Terminal No.	Color Of Wire	Signal Name [Specification]
36	GR	SIGNAL VCC
37	SB	SIGNAL GND
38	G	HP
39	L	COMM (DISP- CONT)
40	W	RGB AREA (VS) SIGNAL
41	SHIELD	SHIELD
42	B	RGB SYNC
43	G	RGB (R/RED) SIGNAL
44	L	RGB (G/GREEN) SIGNAL
45	Y	RGB (B/BLUE) SIGNAL
46	W	-
47	R	-
48	BP	INVERTER VCC
50	R	INVERTER GND
51	LG	VCP
52	B	-
57	SHIELD	SHIELD
58	B	-

Connector No.	M174
Connector Name	AV CONTROL UNIT
Connector Type	TH32FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
75	LG	AV COMM (L)
76	SB	AV COMM (L)
77	G	AV COMM (L)
78	SB	AV COMM (H)
80	P	CAN-L
81	L	CAN-H
82	V	SW GND
86	SHIELD	SHIELD
87	R	TEL VOICE SIGNAL (-)
88	L	TEL VOICE SIGNAL (+)
92	V	VEHICLE SPEED SIGNAL (8-PULSE)
93	G	PARKING BRAKE (Without BOSE system)
94	SB	REVERSE
95	G	IGNITION
96	W	DISK EJECT SIGNAL
102	B	AUX SOUND SIGNAL LH (-)
104	R	AUX SOUND SIGNAL RH (+)

Connector No.	M180
Connector Name	AV CONTROL UNIT
Connector Type	TH32FW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
65	LG	PARKING BRAKE
67	LG	-
68	LG	SHIELD
71	SHIELD	SHIELD
72	B	MICROPHONE VCC
73	R	COMM (CONT- DISP)
74	P	CAN-L
75	LG	AV COMM (L)
76	LG	AV COMM (L)
79	R	ILLUMINATION SIGNAL
80	G	IGNITION
81	SB	REVERSE
82	V	VEHICLE SPEED SIGNAL (8-PULSE)
83	G	PARKING BRAKE (Without BOSE system)
84	W	REVERSE
88	B	MICROPHONE SIGNAL
89	W	-
90	L	CAN-H
91	SB	AV COMM (H)
92	SB	AV COMM (H)

Fail-Safe

FAIL-SAFE

The combination meter activates the fail-safe control if CAN communication with each unit is malfunctioning.

JRNWC8911GB

INFOID:000000010129273

COMBINATION METER

< ECU DIAGNOSIS INFORMATION >

Function		Specifications
Speedometer		Reset to zero by suspending communication.
Tachometer		
Engine coolant temperature gauge		
Illumination control		When suspending communication, changes to nighttime mode.
Information display	Door open warning	The display turns off by suspending communication.
	Parking brake release warning	
	Low tire pressure warning	
	Fuel filler cap warning	
	Instantaneous fuel warning	<ul style="list-style-type: none"> When reception time of an abnormal signal is 2 seconds or less, the last received datum is used for calculation to indicate the result. When reception time of an abnormal signal is more than two seconds, the last result calculated during normal condition is indicated.
	Average fuel consumption	
	Average vehicle speed	
Travel distance		
Buzzer		The buzzer turns off by suspending communication.
Warning lamp/indicator lamp	ABS warning lamp	The lamp turns on by suspending communication.
	Brake warning lamp	
	AWD warning lamp	
	Malfunction indicator lamp	
	Low tire pressure warning lamp	The lamp turns ON after flashing for 1 minute.
	High beam indicator lamp	The lamp turns off by suspending communication.
	Turn signal indicator lamp	
	Light indicator lamp	
	Oil pressure warning lamp	
	CRUISE indicator lamp	
	O/D OFF indicator lamp	
	VDC warning lamp	
	VDC OFF indicator lamp	
	AWD LOCK indicator lamp	
	Key warning lamp	
	Blind Spot Intervention ON indicator	
BSW/Blind Spot Intervention warning lamp		
Lane departure warning lamp		
LDW ON indicator lamp		

DTC Index

INFOID:000000010129274

Display contents of CONSULT	Diagnostic item is detected when ...	Refer to
CAN COMM CIRCUIT [U1000]	When combination meter is not transmitting or receiving CAN communication signal for 2 seconds or more.	MWI-39, "Diagnosis Procedure"
CONTROL UNIT (CAN) [U1010]	When detecting error during the initial diagnosis of the CAN controller of combination meter.	MWI-40, "Diagnosis Procedure"

COMBINATION METER

< ECU DIAGNOSIS INFORMATION >

Display contents of CONSULT	Diagnostic item is detected when ...	Refer to
VEHICLE SPEED [B2205]	The abnormal vehicle speed signal is input from the ABS actuator and electric unit (control unit) for 2 seconds or more.	MWI-41. "Diagnosis Procedure"
ENGINE SPEED [B2267]	If ECM continuously transmits abnormal engine speed signals for 2 seconds or more.	MWI-42. "Diagnosis Procedure"
WATER TEMP [B2268]	If ECM continuously transmits abnormal engine coolant temperature signals for 60 seconds or more.	MWI-43. "Diagnosis Procedure"

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INTERIOR LIGHTING SYSTEM SYMPTOMS

< SYMPTOM DIAGNOSIS >

SYMPTOM DIAGNOSIS

INTERIOR LIGHTING SYSTEM SYMPTOMS

Symptom Table

INFOID:000000009718438

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 are not turned ON. <ul style="list-style-type: none"> • Map lamp • Personal 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 is not turned 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-97 . Interior room lamp control circuit Refer to INL-23 .
Interior room lamp timer does not activate. (It turns ON/ OFF when the door opens/closes.)	—	Check the interior room lamp setting. Refer to INL-16 .
Step lamps (driver side and passenger side) are not turned ON. (Map lamp and personal lamp are turned ON.) Step lamps (driver side and passenger side) are not turned OFF. (Map lamp and personal lamp are turned 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-27 .
Interior room lamp battery saver does not activate.	—	Check the interior room lamp battery saver setting. Refer to INL-17 .

PRECAUTIONS

< PRECAUTION >

PRECAUTION

PRECAUTIONS FOR USA AND CANADA

FOR USA AND CANADA : Precaution for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TENSIONER"

INFOID:000000009718439

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.

FOR MEXICO

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

INFOID:000000009718440

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. 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:

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PRECAUTIONS

< PRECAUTION >

Always observe the following items for preventing accidental activation.

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

Precautions for Removing of Battery Terminal

INFOID:000000010129263

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

NOTE:

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

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

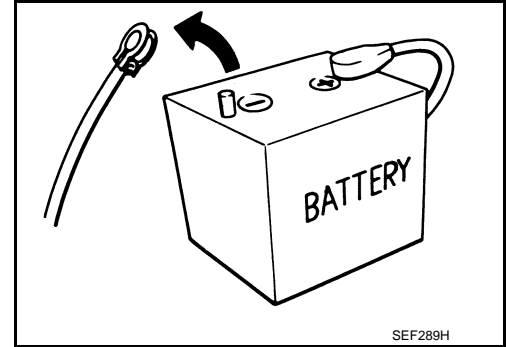
NOTE:

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

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

NOTE:

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



MAP LAMP

< REMOVAL AND INSTALLATION >

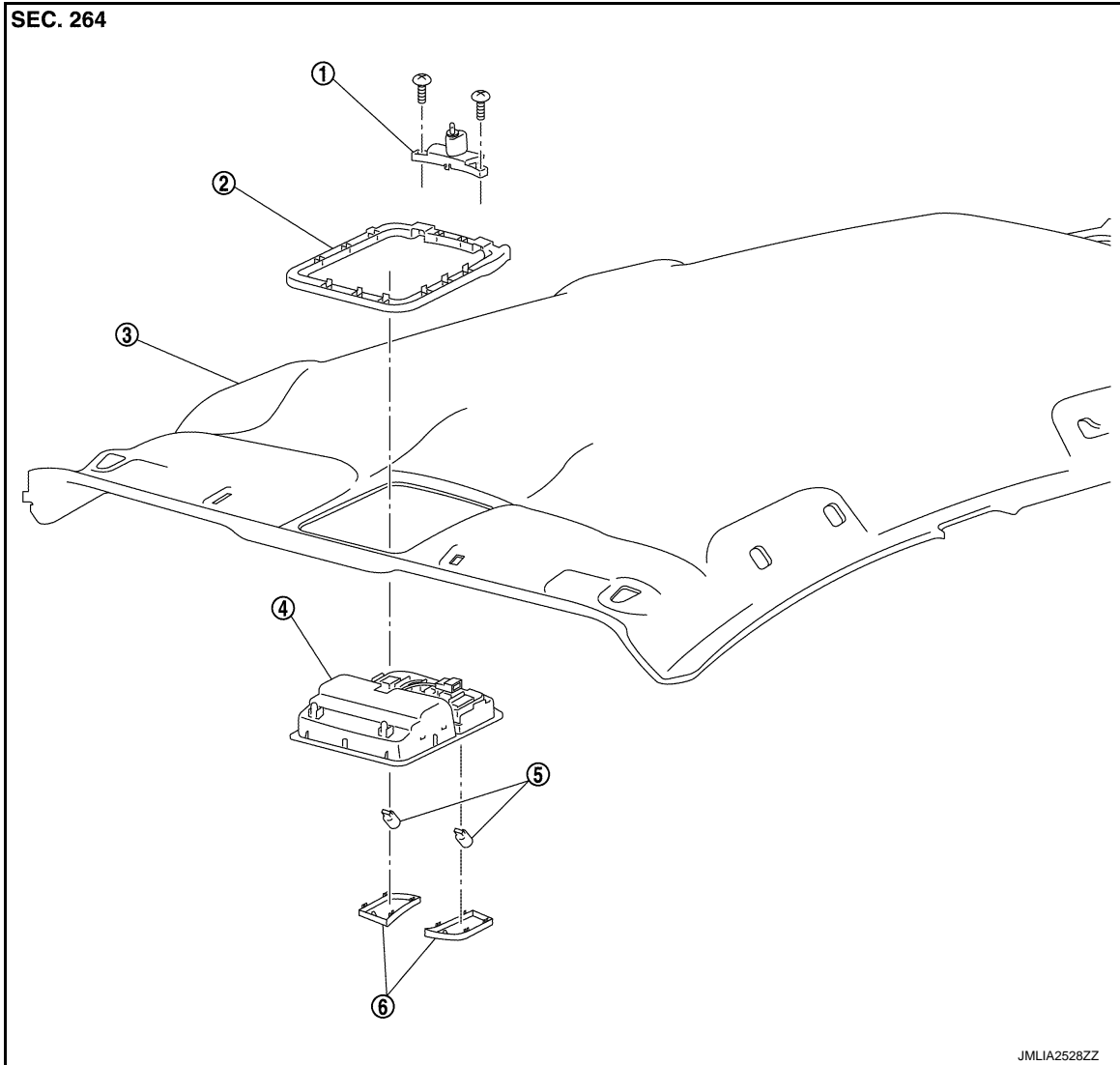
REMOVAL AND INSTALLATION

MAP LAMP

Exploded View

INFOID:000000009718441

NORMAL ROOF



- | | | |
|----------------------|------------------------|---------------|
| 1. Map lamp bracket | 2. Map lamp back plate | 3. Headlining |
| 4. Map lamp assembly | 5. Bulb | 6. Lens |

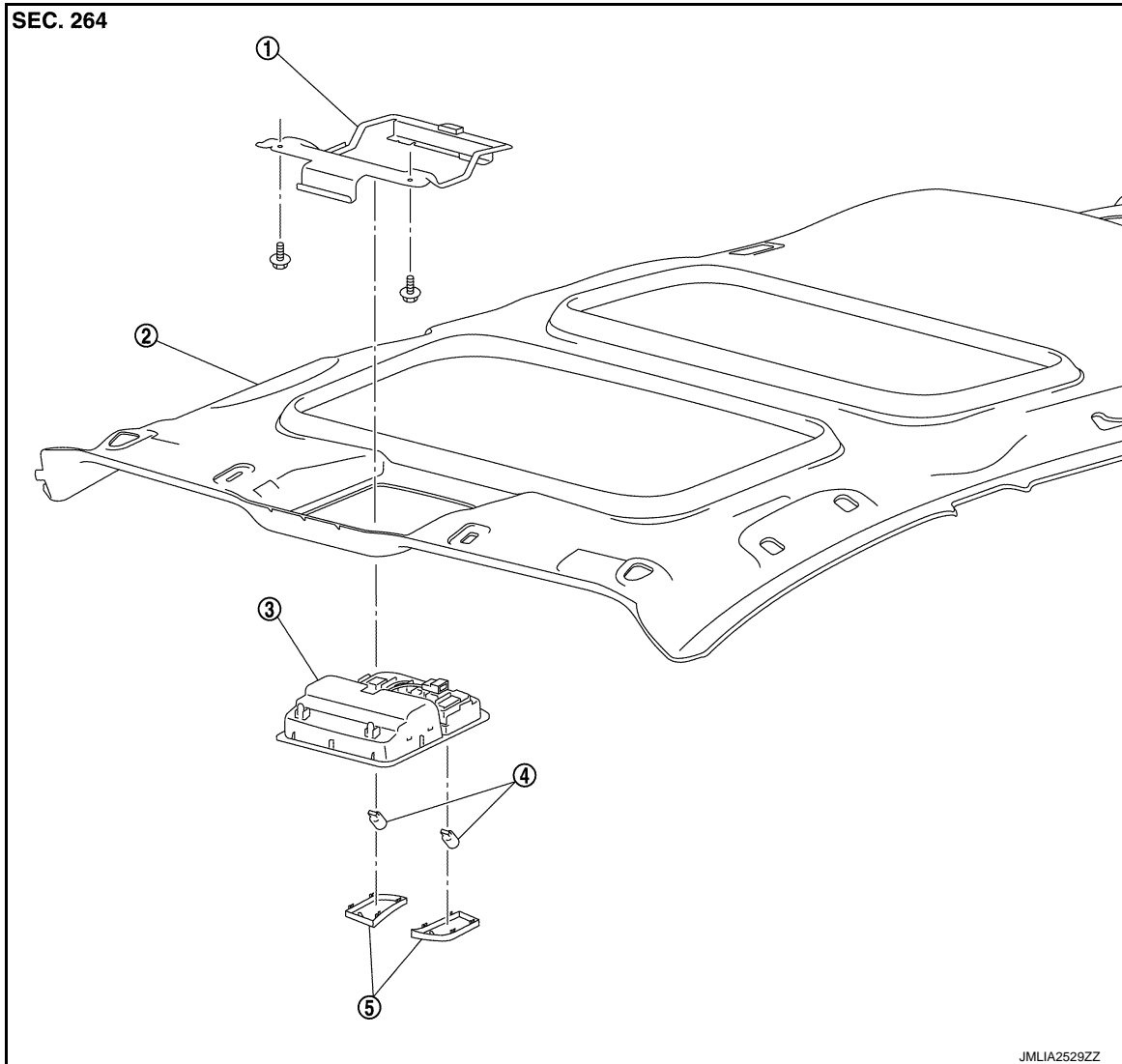
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MAP LAMP

< REMOVAL AND INSTALLATION >

SUN ROOF



1. Map lamp bracket

2. Headlining

3. Map lamp assembly

4. Bulb

5. Lens

Removal and Installation

INFOID:000000009718442

REMOVAL

CAUTION:

Disconnect the battery negative terminal or remove the fuse.

NORMAL ROOF

1. Remove headlining. Refer to [INT-26, "NORMAL ROOF : Removal and Installation"](#).
2. Disconnect harness connector.


MAP LAMP

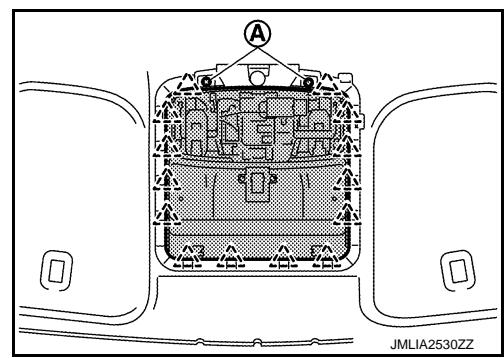
< REMOVAL AND INSTALLATION >

3. Remove map lamp bracket fixing screws (A), and then remove map lamp bracket.
4. Disengage map lamp assembly fixing pawls, and then remove map lamp assembly.

CAUTION:

When removing, support map lamp assembly by hand so that it does not drop during the operation.

 : Pawl

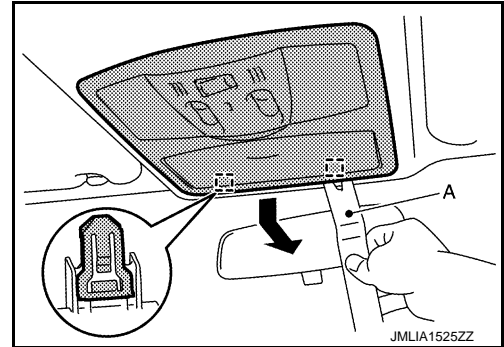


SUN ROOF

1. Disengage map lamp assembly fixing metal clips using a remover tool (A).

 : Metal clip

2. Disconnect harness connector, and then remove map lamp assembly.



INSTALLATION

Install in the reverse order of removal.

Replacement

INFOID:000000009718443

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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MOOD LAMP

< REMOVAL AND INSTALLATION >

MOOD LAMP

MAP LAMP

MAP LAMP : Replacement

INFOID:000000009718444

MAP LAMP

Mood lamp (map lamp) is integrated into the map lamp assembly. Refer to [INL-123, "Exploded View"](#).

FRONT DOOR GRIP

FRONT DOOR GRIP : Replacement

INFOID:000000009718445

FRONT DOOR

Mood lamp (front door grip) is integrated into the front door trim. Refer to [INT-13, "FRONT DOOR FINISHER : Exploded View"](#).

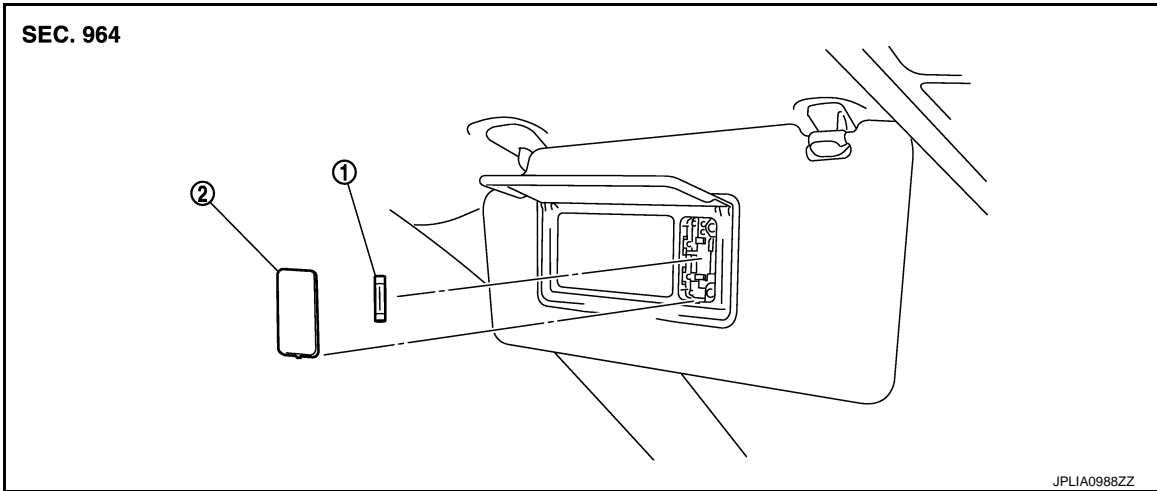
VANITY MIRROR LAMP

< REMOVAL AND INSTALLATION >

VANITY MIRROR LAMP

Exploded View

INFOID:000000009718446



1. Bulb

2. Lens

Replacement

INFOID:000000009718447

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.

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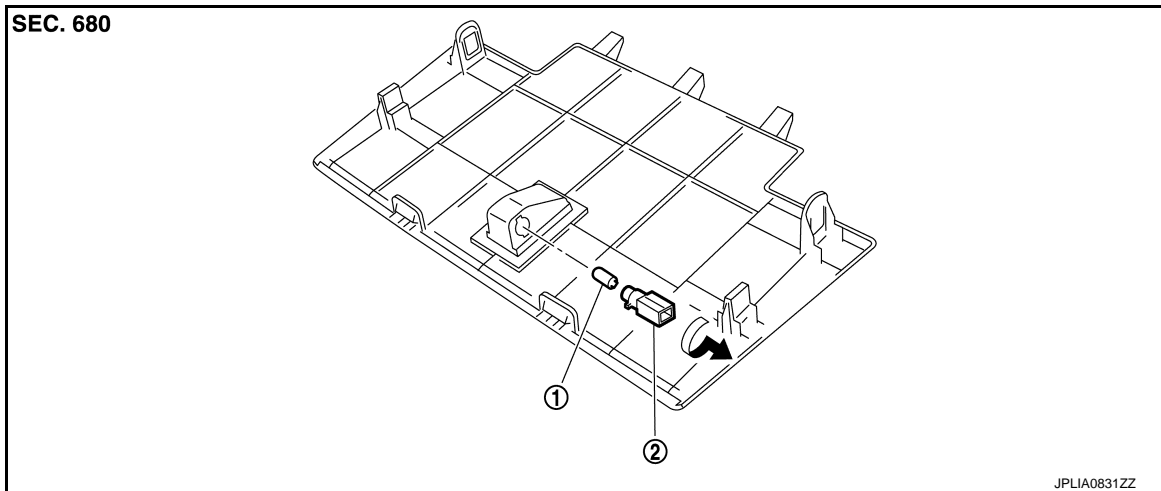
CONSOLE POCKET LAMP

< REMOVAL AND INSTALLATION >

CONSOLE POCKET LAMP

Exploded View

INFOID:000000009718448



1. Bulb

2. Bulb socket

Replacement

INFOID:000000009718449

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.

CONSOLE POCKET LAMP BULB

1. Remove the cluster lid C (lower). Refer to [IP-14, "Exploded View"](#).
2. Rotate the bulb socket counterclockwise and unlock it.
3. Remove the bulb.

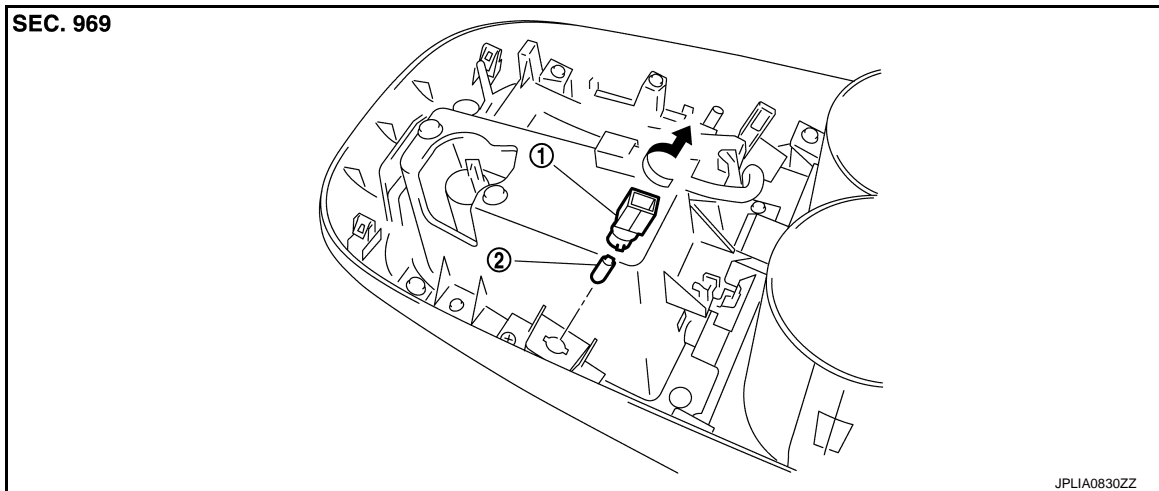
ASHTRAY ILLUMINATION

< REMOVAL AND INSTALLATION >

ASHTRAY ILLUMINATION

Exploded View

INFOID:000000009718450



1. Bulb socket

2. Bulb

Replacement

INFOID:000000009718451

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.

ASHTRAY ILLUMINATION BULB

1. Remove the console finisher assembly. Refer to [IP-22, "Exploded View"](#).
2. Rotate the bulb socket counterclockwise and unlock it.
3. Remove the bulb.

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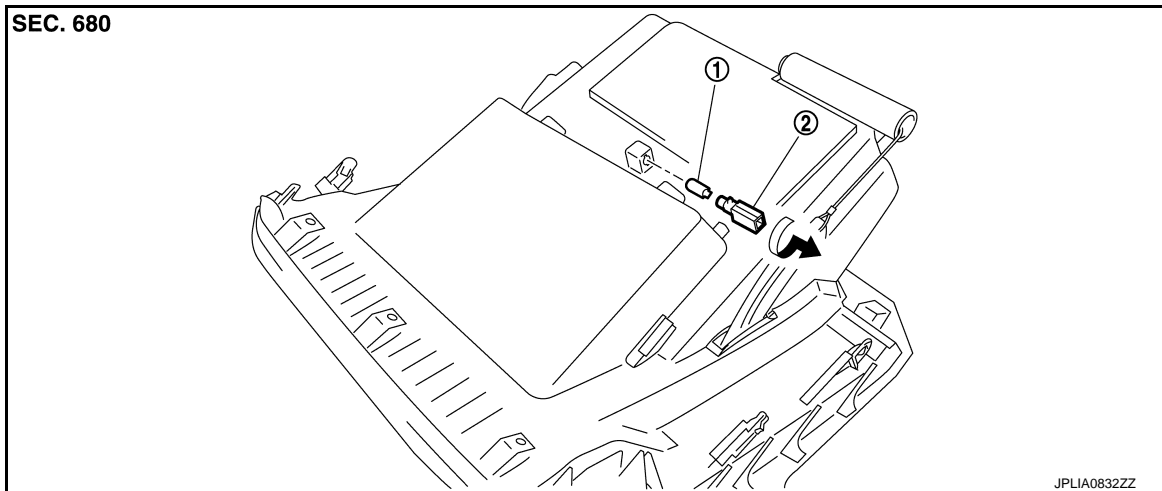
GLOVE BOX LAMP

< REMOVAL AND INSTALLATION >

GLOVE BOX LAMP

Exploded View

INFOID:000000009718452



1. Bulb

2. Bulb socket

Replacement

INFOID:000000009718453

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 [JP-14, "Exploded View"](#).
2. Rotate the bulb socket counterclockwise and unlock it.
3. Remove the bulb.

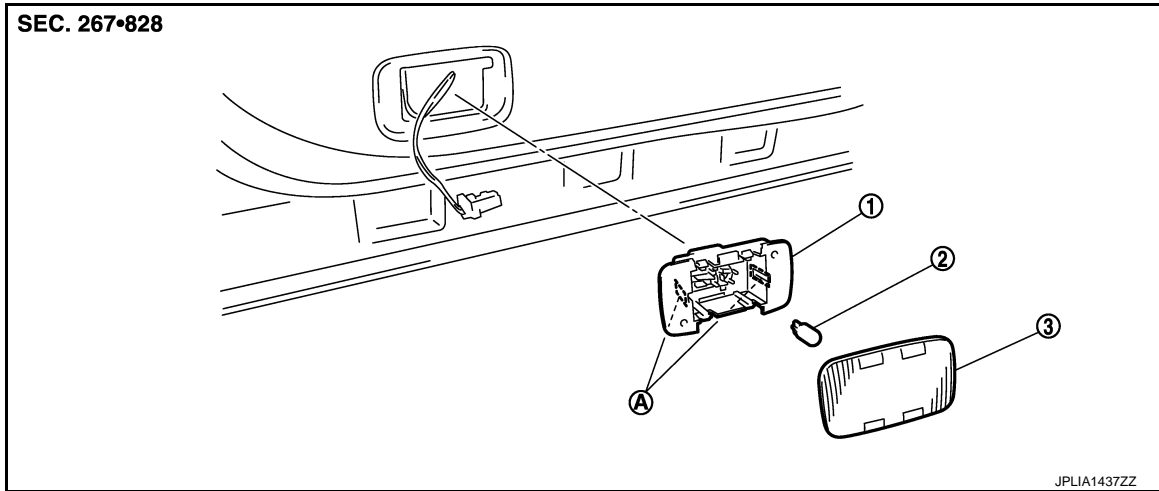
STEP LAMP

< REMOVAL AND INSTALLATION >

STEP LAMP

Exploded View

INFOID:000000009718454



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

Removal and Installation

INFOID:000000009718455

CAUTION:

Disconnect the battery negative terminal or remove the fuse.

REMOVAL

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

INSTALLATION

Install in the reverse order of removal.

Replacement

INFOID:000000009718456

CAUTION:

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

STEP LAMP BULB

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

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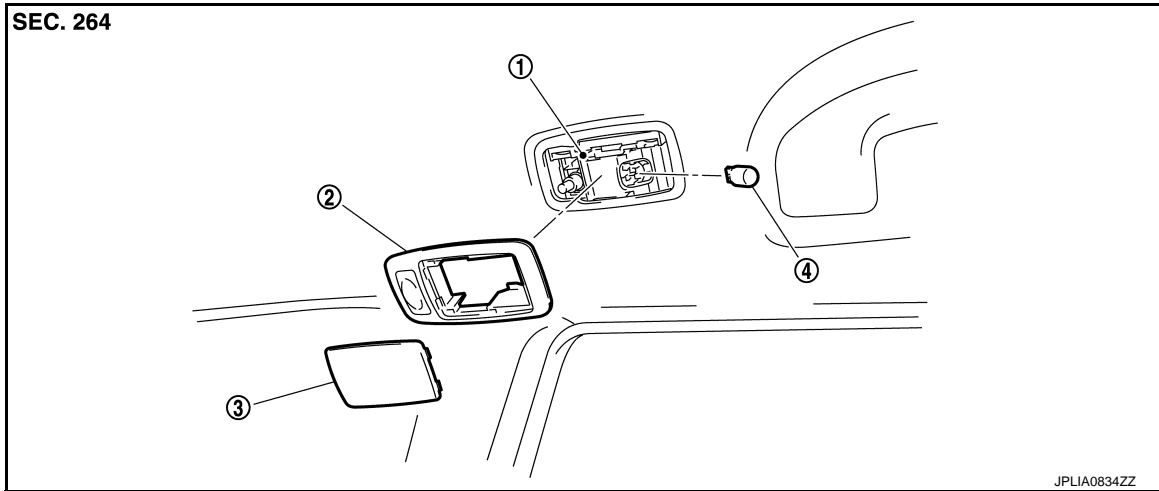
PERSONAL LAMP

< REMOVAL AND INSTALLATION >

PERSONAL LAMP

Exploded View

INFOID:000000009718457



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-26, "NORMAL ROOF : Exploded View"](#) (Normal roof) or [INT-30, "SUNROOF : Exploded View"](#) (With sunroof).

Removal and Installation

INFOID:000000009718458

CAUTION:

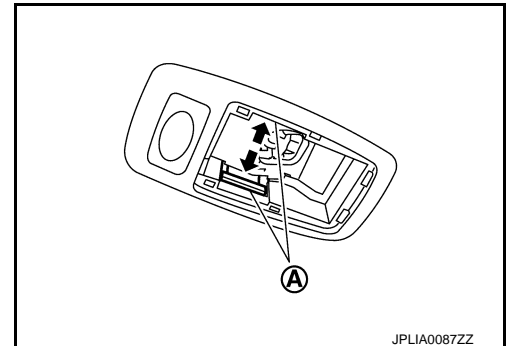
Disconnect the battery negative terminal or remove the fuse.

REMOVAL

1. Remove the headlining assembly. Refer to [INT-26, "NORMAL ROOF : Removal and Installation"](#) (Normal roof) or [INT-30, "SUNROOF : Removal and Installation"](#) (With sunroof).
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.

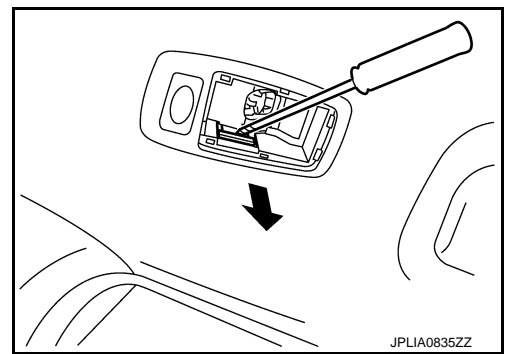
NOTE:

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:000000009718459

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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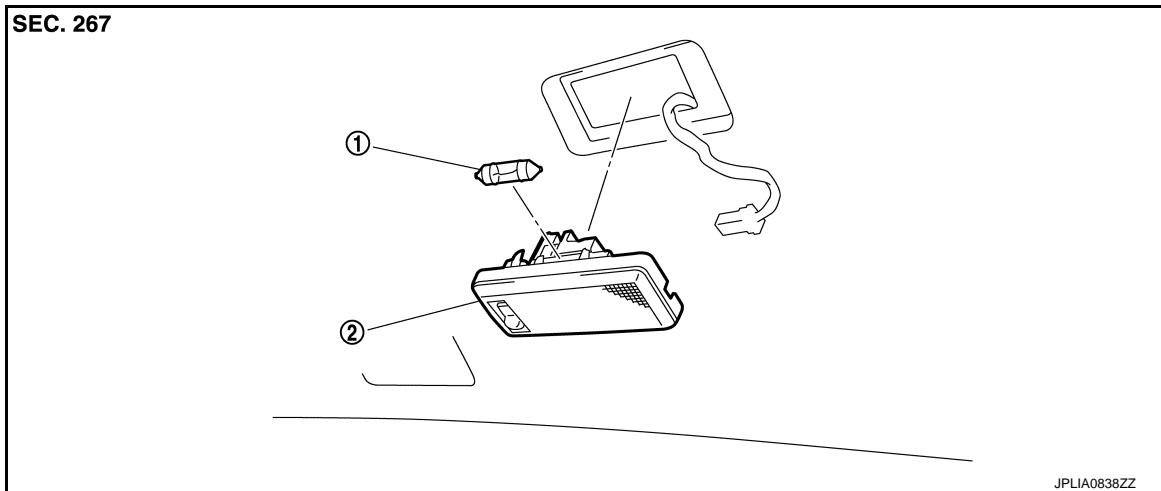
LUGGAGE ROOM LAMP

< REMOVAL AND INSTALLATION >

LUGGAGE ROOM LAMP

Exploded View

INFOID:000000009718460



1. Bulb

2. Luggage room lamp assembly

Removal and Installation

INFOID:000000009718461

CAUTION:

Disconnect the battery negative terminal or remove the fuse.

REMOVAL

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

INSTALLATION

Install in the reverse order of removal.

Replacement

INFOID:000000009718462

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 assembly.
2. Remove the bulb.

SERVICE DATA AND SPECIFICATIONS (SDS)

< SERVICE DATA AND SPECIFICATIONS (SDS)

SERVICE DATA AND SPECIFICATIONS (SDS)

SERVICE DATA AND SPECIFICATIONS (SDS)

Bulb Specifications

INFOID:000000009718463

Item	Type	Wattage (W)	
Push-button ignition switch illumination	LED	—	
Map lamp	Wedge	8	
Mood lamp	Map lamp	LED	—
	Front door grip	LED	—
Vanity mirror lamp	—	2	
Console pocket lamp	Wedge	1.4	
Ashtray illumination	Wedge	1.4	
Glove box lamp	Wedge	1.4	
Step lamp	Wedge	2.7	
Personal lamp	Wedge	8	
Luggage room lamp	—	8	

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