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SECTION INL

INTERIOR LIGHTING SYSTEM

CONTENTS

<p>BASIC INSPECTION 3</p> <p>DIAGNOSIS AND REPAIR WORKFLOW 3</p> <p style="padding-left: 20px;">Work Flow3</p> <p>FUNCTION DIAGNOSIS 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 Location7</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 Location9</p> <p style="padding-left: 20px;">Component Description10</p> <p>ILLUMINATION CONTROL SYSTEM11</p> <p style="padding-left: 20px;">System Diagram11</p> <p style="padding-left: 20px;">System Description11</p> <p style="padding-left: 20px;">Component Parts Location11</p> <p style="padding-left: 20px;">Component Description12</p> <p>DIAGNOSIS SYSTEM (BCM)13</p> <p>COMMON ITEM13</p> <p style="padding-left: 20px;">COMMON ITEM : CONSULT-III Function (BCM - COMMON ITEM)13</p> <p>INT LAMP13</p> <p style="padding-left: 20px;">INT LAMP : CONSULT-III Function (BCM - INT LAMP)13</p> <p>BATTERY SAVER15</p> <p style="padding-left: 20px;">BATTERY SAVER : CONSULT-III Function (BCM - BATTERY SAVER)15</p> <p>COMPONENT DIAGNOSIS17</p>	<p>POWER SUPPLY AND GROUND CIRCUIT17</p> <p>BCM17</p> <p style="padding-left: 20px;">BCM : Diagnosis Procedure17</p> <p style="padding-left: 20px;">BCM : Special Repair Requirement17</p> <p>INTERIOR ROOM LAMP POWER SUPPLY CIRCUIT18</p> <p style="padding-left: 20px;">Description18</p> <p style="padding-left: 20px;">Component Function Check18</p> <p style="padding-left: 20px;">Diagnosis Procedure18</p> <p>INTERIOR ROOM LAMP CONTROL CIRCUIT20</p> <p style="padding-left: 20px;">Description20</p> <p style="padding-left: 20px;">Component Function Check20</p> <p style="padding-left: 20px;">Diagnosis Procedure20</p> <p>STEP LAMP CIRCUIT22</p> <p style="padding-left: 20px;">Description22</p> <p style="padding-left: 20px;">Component Function Check22</p> <p style="padding-left: 20px;">Diagnosis Procedure22</p> <p>TRUNK ROOM LAMP CIRCUIT24</p> <p style="padding-left: 20px;">Description24</p> <p style="padding-left: 20px;">Component Function Check24</p> <p style="padding-left: 20px;">Diagnosis Procedure24</p> <p>PUSH-BUTTON IGNITION SWITCH ILLUMINATION CIRCUIT26</p> <p style="padding-left: 20px;">Description26</p> <p style="padding-left: 20px;">Component Function Check26</p> <p style="padding-left: 20px;">Diagnosis Procedure26</p> <p>INTERIOR ROOM LAMP CONTROL SYSTEM28</p> <p style="padding-left: 20px;">Wiring Diagram —INTERIOR ROOM LAMP —28</p> <p>ILLUMINATION36</p> <p style="padding-left: 20px;">Wiring Diagram —ILLUMINATION—36</p> <p>ECU DIAGNOSIS46</p>
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A
B
C
D
E
F
G
H
I
J
K
INL
M
N
O
P

BCM (BODY CONTROL MODULE)	46	Replacement	97
Reference Value	46	CIGARETTE LIGHTER ILLUMINATION	98
Wiring Diagram — BCM —	69	Exploded View	98
Fail Safe	74	Replacement	98
DTC Inspection Priority Chart	76	GLOVE BOX LAMP	99
DTC Index	77	Exploded View	99
COMBINATION METER	80	Replacement	99
Reference Value	80	STEP LAMP	100
Wiring Diagram — METER —	83	Exploded View	100
Fail Safe	92	Removal and Installation	100
DTC Index	93	Replacement	100
SYMPTOM DIAGNOSIS	94	PERSONAL LAMP	101
INTERIOR LIGHTING SYSTEM SYMPTOMS ...	94	Exploded View	101
Symptom Table	94	Removal and Installation	101
PRECAUTION	95	Replacement	102
PRECAUTIONS	95	TRUNK ROOM LAMP	103
Supplemental Restraint System (SRS) "AIR B AG" and "SEAT BELT PRE-TENSIONER"	95	Exploded View	103
ON-VEHICLE REPAIR	96	Removal and Installation	103
MAP LAMP	96	Replacement	103
Exploded View	96	SERVICE DATA AND SPECIFICATIONS (SDS)	104
Removal and Installation	96	SERVICE DATA AND SPECIFICATIONS (SDS)	104
Replacement	96	Bulb Specifications	104
VANITY MIRROR LAMP	97		
Exploded View	97		

DIAGNOSIS AND REPAIR WORKFLOW

< BASIC INSPECTION >

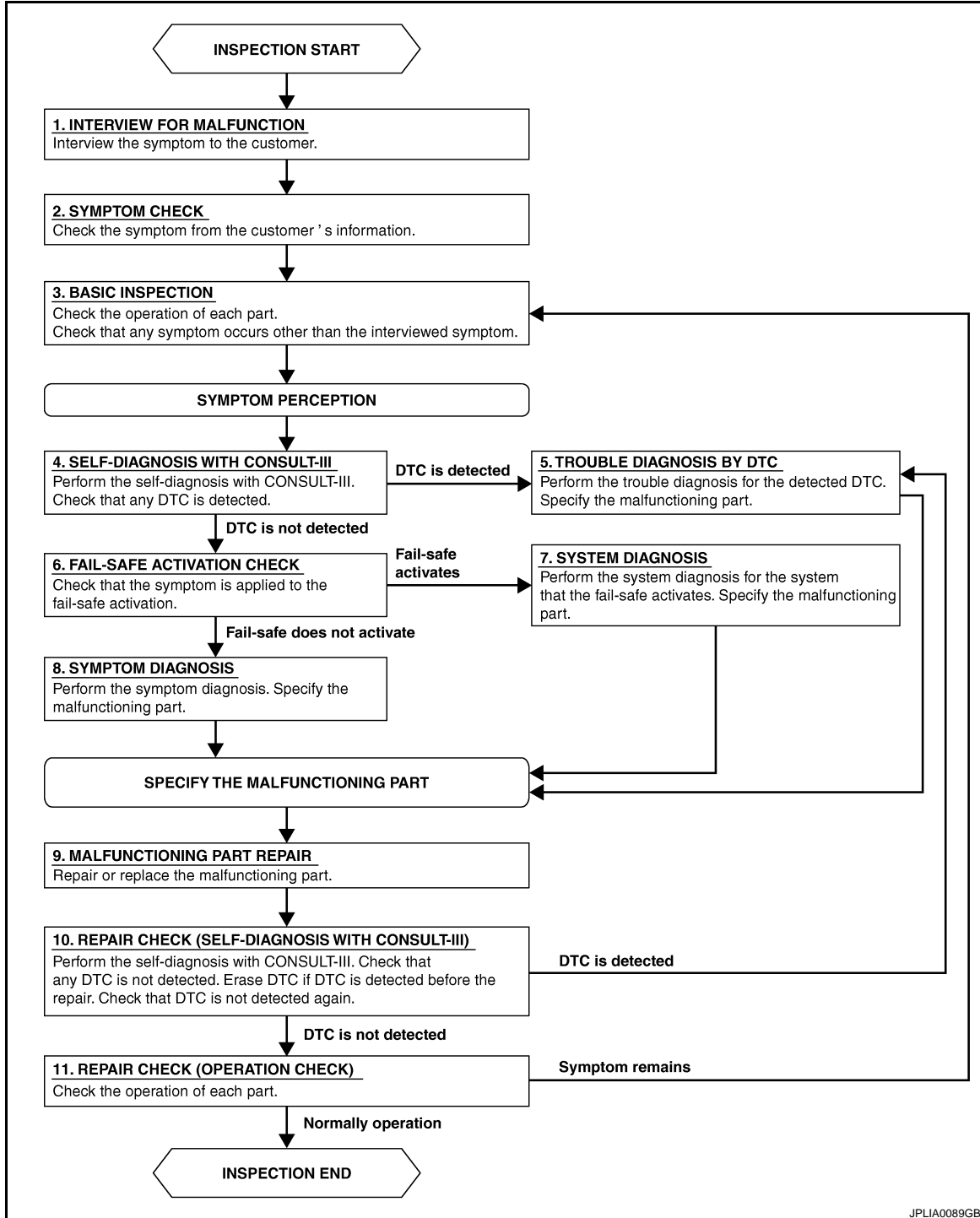
BASIC INSPECTION

DIAGNOSIS AND REPAIR WORKFLOW

Work Flow

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OVERALL SEQUENCE



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DIAGNOSIS AND REPAIR WORKFLOW

< BASIC INSPECTION >

DETAILED FLOW

1. INTERVIEW FOR MALFUNCTION

Interview the symptom to the customer.

>> GO TO 2.

2. SYMPTOM CHECK

Check the symptom from the customer's information.

>> GO TO 3.

3. BASIC INSPECTION

Check the operation of each part. Check that any symptom occurs other than the interviewed symptom.

>> GO TO 4.

4. SELF-DIAGNOSIS WITH CONSULT-III

Perform the self-diagnosis with CONSULT-III. Check that any DTC is detected.

Is any DTC detected?

YES >> GO TO 5.

NO >> GO TO 6.

5. TROUBLE DIAGNOSIS BY DTC

Perform the trouble diagnosis for the detected DTC. Specify the malfunctioning part.

>> GO TO 9.

6. FAIL-SAFE ACTIVATION CHECK

Check that the symptom is applied to the fail-safe activation.

Does the fail-safe activate?

YES >> GO TO 7.

NO >> GO TO 8.

7. SYSTEM DIAGNOSIS

Perform the system diagnosis for the system that the fail-safe activates. Specify the malfunctioning part.

>> GO TO 9.

8. SYMPTOM DIAGNOSIS

Perform the symptom diagnosis. Specify the malfunctioning part.

>> GO TO 9.

9. MALFUNCTION PART REPAIR

Repair or replace the malfunctioning part.

>> GO TO 11.

10. REPAIR CHECK (SELF-DIAGNOSIS WITH CONSULT-III)

Perform the self-diagnosis with CONSULT-III. Check that any DTC is not detected. Erase DTC if DTC is detected before the repair. Check that DTC is not detected again.

Is any DTC detected?

YES >> GO TO 5.

DIAGNOSIS AND REPAIR WORKFLOW

< BASIC INSPECTION >

NO >> GO TO 11.

11.REPAIR CHECK (OPERATION CHECK)

Check the operation of each part.

Does it operate normally?

YES >> INSPECTION END

NO >> GO TO 3.

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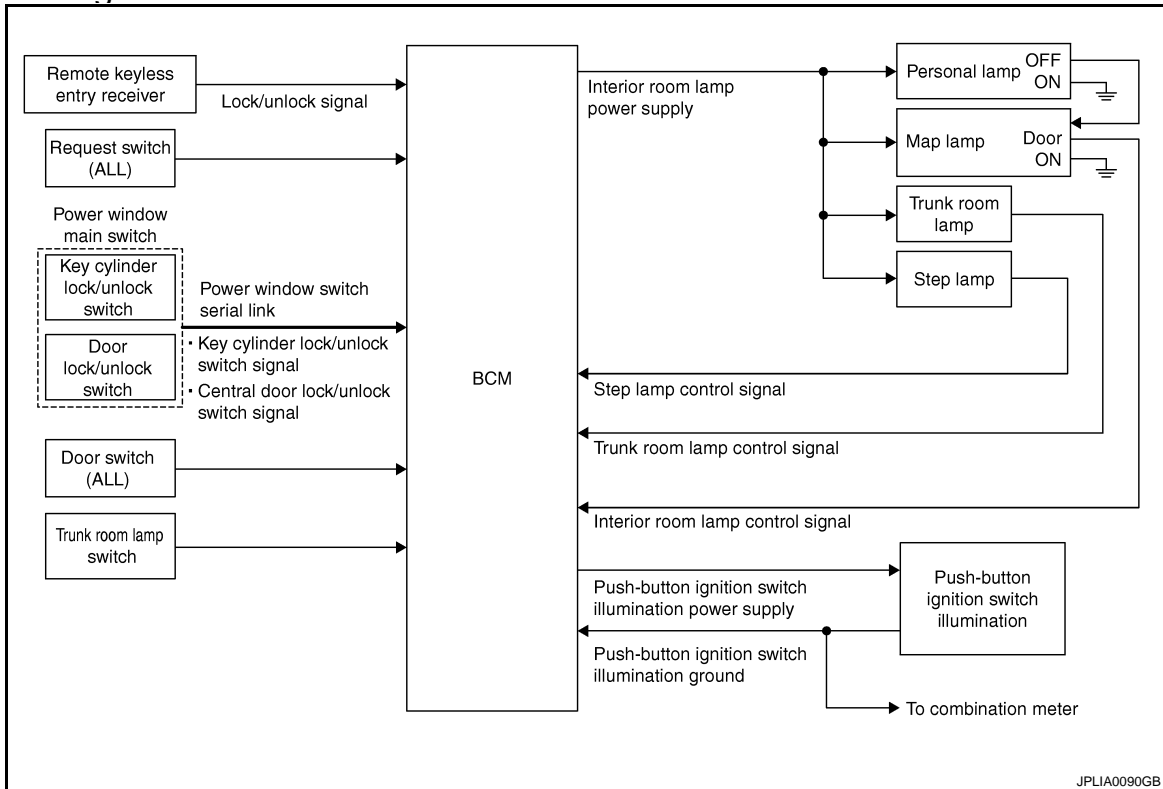
INTERIOR ROOM LAMP CONTROL SYSTEM

< FUNCTION DIAGNOSIS >

FUNCTION DIAGNOSIS

INTERIOR ROOM LAMP CONTROL SYSTEM

System Diagram



System Description

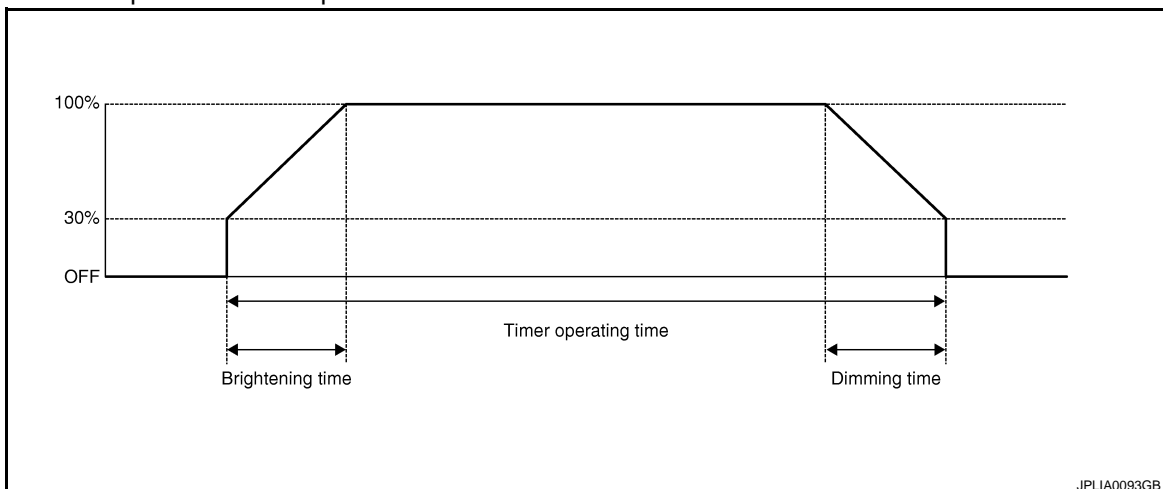
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OUTLINE

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

INTERIOR ROOM LAMP TIMER CONTROL

Interior Room Lamp Timer Basic Operation



INTERIOR ROOM LAMP CONTROL SYSTEM

< FUNCTION DIAGNOSIS >

- 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, central door lock/unlock switch)

NOTE:

Each function of interior room lamp timer can be set by CONSULT-III. Refer to [INL-13, "INT LAMP : CONSULT-III 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 turns the interior room lamp OFF.

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

TRUNK ROOM LAMP CONTROL

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

STEP LAMP CONTROL

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

PUSH-BUTTON IGNITION SWITCH ILLUMINATION CONTROL

Push-button Ignition Switch Illumination Basic Operation

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

Push-button Ignition Switch Illumination ON Operation

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

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

Push-button Ignition Switch Illumination OFF Operation

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

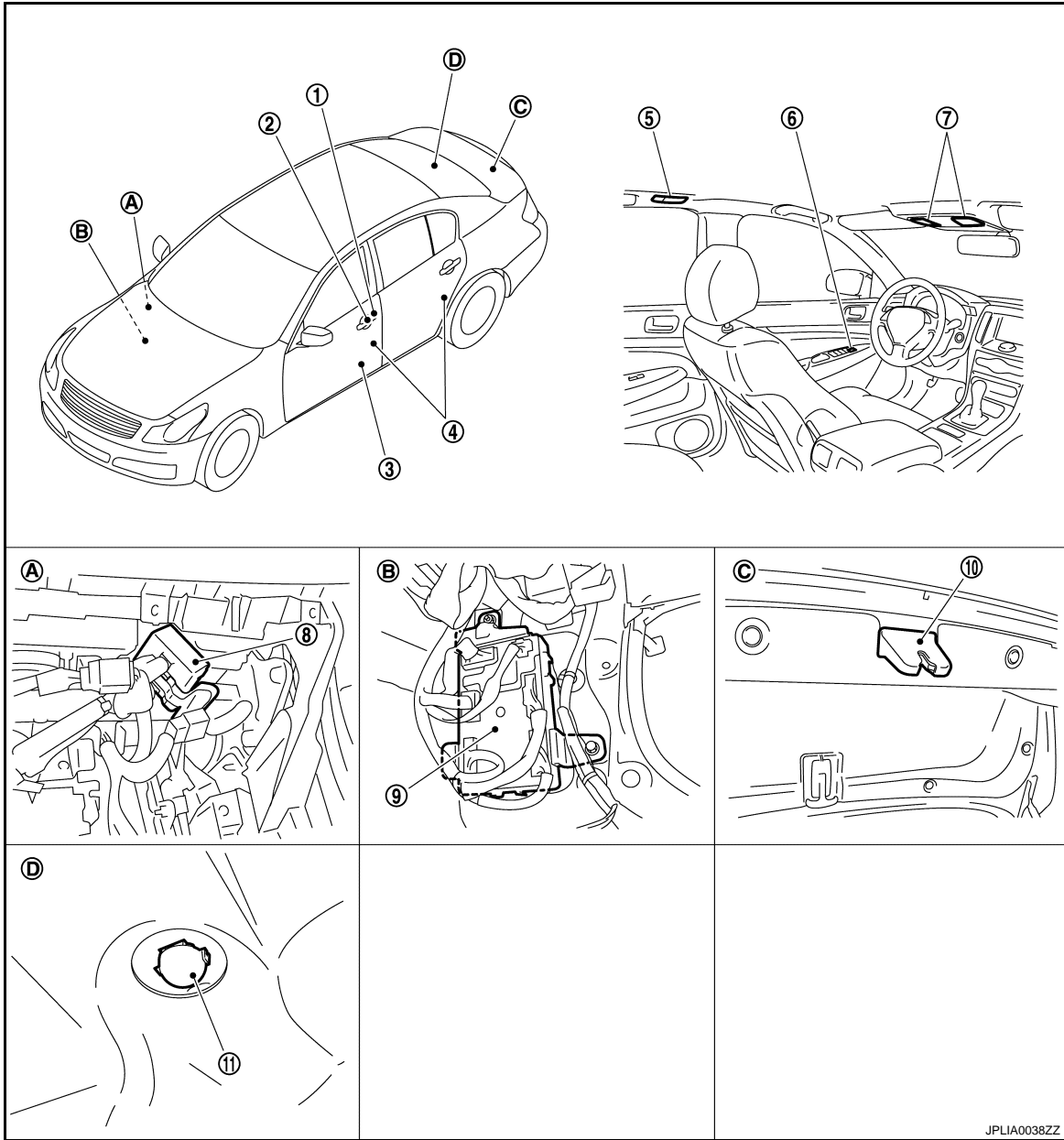
- The push-button ignition switch illumination ON conditions do not satisfy.
- All of the following conditions with ignition switch OFF
- Each illumination (tail lamp) OFF
- The push-button ignition switch illumination ON conditions do not change (15 seconds after the ignition switch OFF) or the driver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

Component Parts Location

INFOID:000000000962567

INTERIOR ROOM LAMP CONTROL SYSTEM

< FUNCTION DIAGNOSIS >



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

Component Description

INFOID:000000000962568

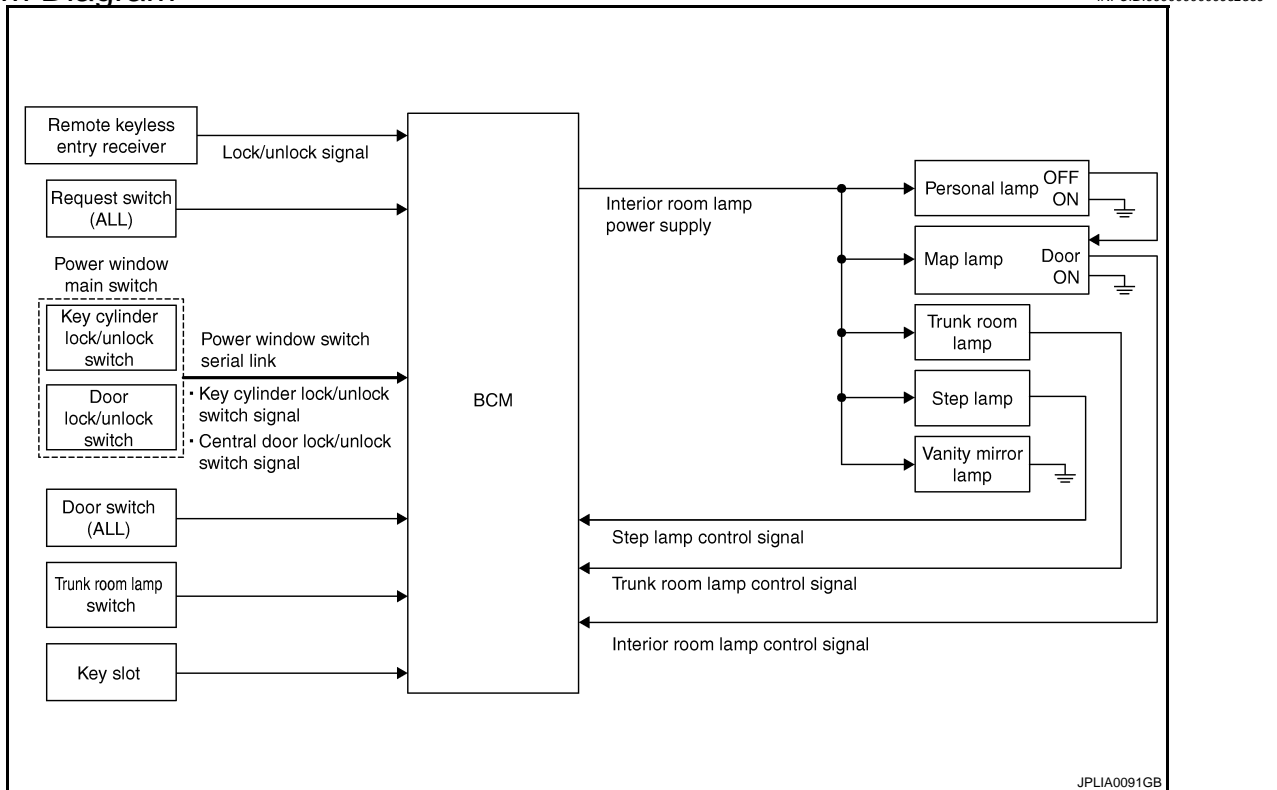
Part	Description
BCM	<ul style="list-style-type: none"> Activates the interior room lamp timer depending on the vehicle condition to turn the interior room lamp ON/OFF. Turns the trunk room lamp ON /OFF according to the trunk room lamp switch status. Turns the step lamp ON /OFF according to any door switch status.

INTERIOR ROOM LAMP BATTERY SAVER SYSTEM

< FUNCTION DIAGNOSIS >

INTERIOR ROOM LAMP BATTERY SAVER SYSTEM

System Diagram



System Description

INFOID:000000000962570

OUTLINE

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

Applicable lamps

- Map lamp
- Personal lamp
- Step lamp
- Trunk room lamp
- Vanity mirror lamp

INTERIOR ROOM LAMP BATTERY SAVER FUNCTION

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

NOTE:

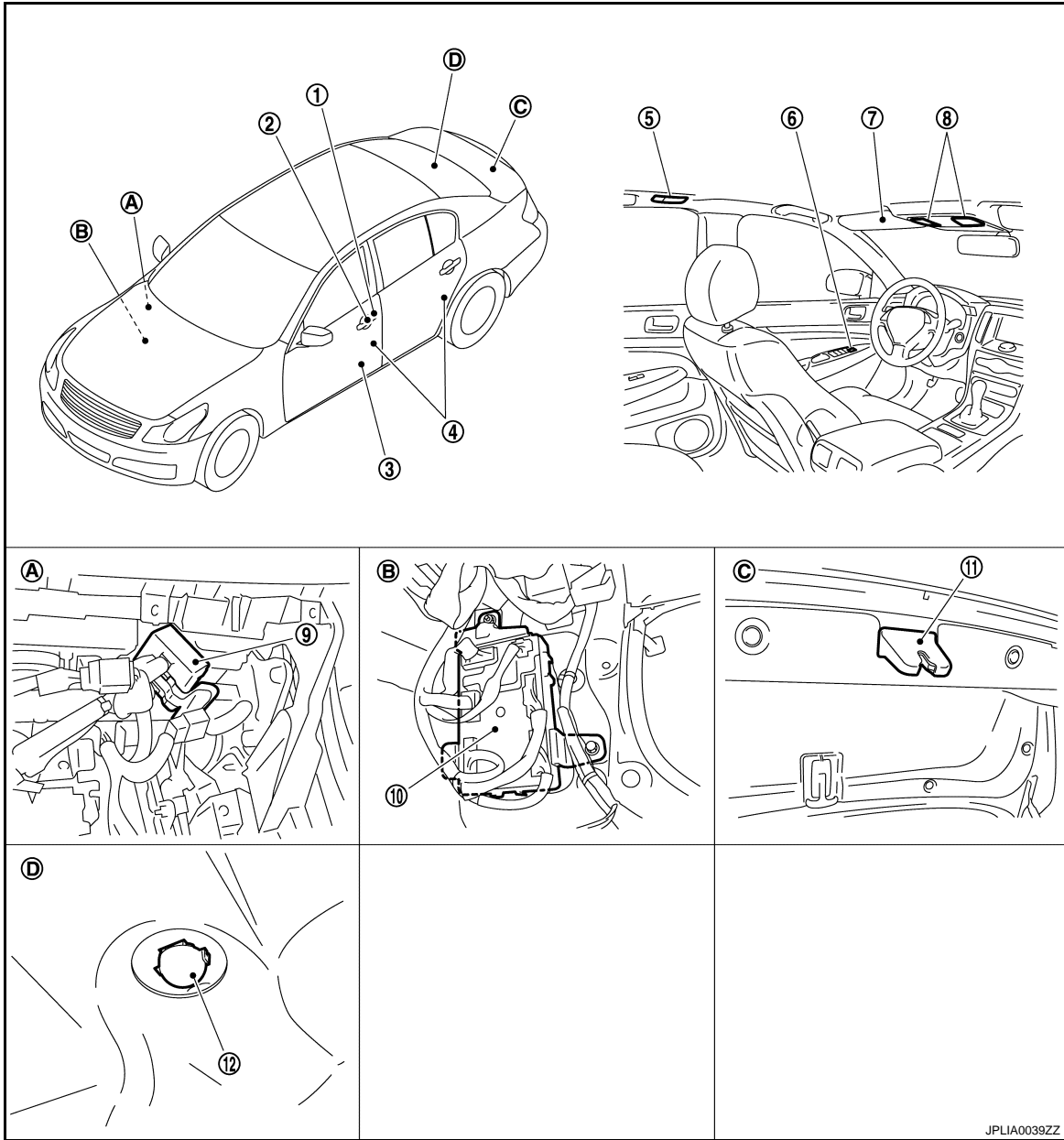
Each function of interior room lamp battery saver can be set by CONSULT-III Refer to [INL-15. "BATTERY SAVER : CONSULT-III Function \(BCM - BATTERY SAVER\)"](#).

Component Parts Location

INFOID:000000000962571

INTERIOR ROOM LAMP BATTERY SAVER SYSTEM

< FUNCTION DIAGNOSIS >



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

Component Description

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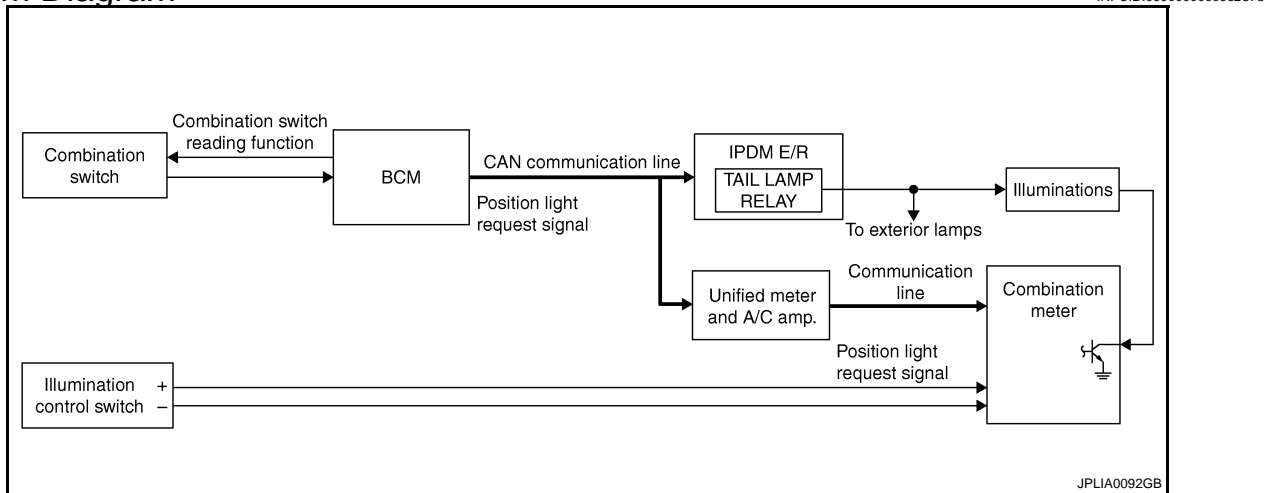
Part	Description
BCM	Operates the interior room lamp battery saver depending on the vehicle condition to cut the interior room lamp power supply.

ILLUMINATION CONTROL SYSTEM

< FUNCTION DIAGNOSIS >

ILLUMINATION CONTROL SYSTEM

System Diagram



System Description

INFOID:000000000962574

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 Diagram"](#).)

ILLUMINATION CONTROL

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

Tail lamp ON condition

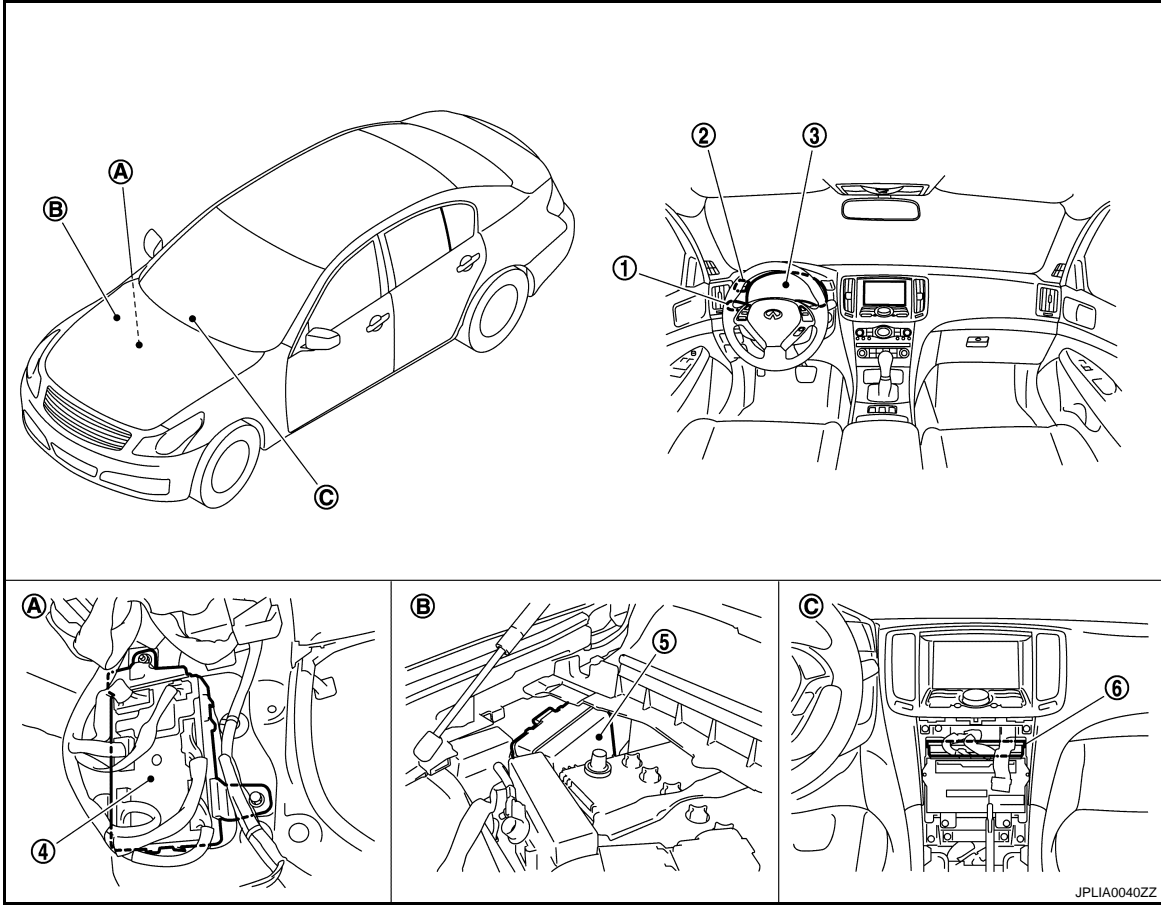
- Lighting switch 1ST
- Lighting switch 2ND
- Lighting switch AUTO, and the auto light function ON judgment (With auto light system)
- IPDM E/R turns the integrated tail lamp relay ON according to position light request signal. It provides the power supply to each illumination lamp.
- Combination meter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

Component Parts Location

INFOID:000000000962575

ILLUMINATION CONTROL SYSTEM

< FUNCTION DIAGNOSIS >



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

Component Description

INFOID:000000000962576

Part	Description
BCM	<ul style="list-style-type: none"> Judges 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 (through the unified meter and A/C amp.) (with CAN communication).
IPDM E/R	Controls the integrated relay according to the request from BCM (with CAN communication).
COMBINATION METETR	<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 Diagram" .
Combination switch (Lighting & turn signal switch)	Refer to BCS-5, "System Diagram" .

DIAGNOSIS SYSTEM (BCM)

< FUNCTION DIAGNOSIS >

DIAGNOSIS SYSTEM (BCM)

COMMON ITEM

COMMON ITEM : CONSULT-III Function (BCM - COMMON ITEM)

INFOID:000000000962577

APPLICATION ITEM

CONSULT-III performs the following functions via CAN communication with BCM.

Diagnosis mode	Function Description
WORK SUPPORT	Changes the setting for each system function.
SELF-DIAG RESULTS	Displays the diagnosis results judged by BCM. Refer to INL-77, "DTC Index" .
CAN DIAG SUPPORT MNTR	Monitors the reception status of CAN communication viewed from BCM.
DATA MONITOR	The BCM input/output signals are displayed.
ACTIVE TEST	The signals used to activate each device are forcibly supplied from BCM.
ECU IDENTIFICATION	The BCM part number is displayed.
CONFIGURATION	This function is not used even though it is displayed.

SYSTEM APPLICATION

BCM can perform the following functions for each system.

NOTE:

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

System	Sub system selection item	Diagnosis mode		
		WORK SUPPORT	DATA MONITOR	ACTIVE TEST
Door lock	DOOR LOCK	×	×	×
Rear window defogger	REAR DEFOGGER		×	×
Warning chime	BUZZER		×	×
Interior room lamp timer	INT LAMP	×	×	×
Exterior lamp	HEAD LAMP	×	×	×
Wiper and washer	WIPER	×	×	×
Turn signal and hazard warning lamps	FLASHER	×	×	×
Air conditioner*	AIR CONDITONER		×	
Intelligent Key system	INTELLIGENT KEY	×	×	×
Combination switch	COMB SW		×	
BCM	BCM	×		
IVIS - NATS	IMMU		×	×
Interior room lamp battery saver	BATTERY SAVER	×	×	×
Trunk open	TRUNK		×	
Vehicle security system	THEFT ALM	×	×	×
RAP system	RETAINED PWR		×	
Signal buffer system	SIGNAL BUFFER		×	×
TPMS	TPMS (AIR PRESSURE MONI-TOR)	×	×	×

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

INT LAMP

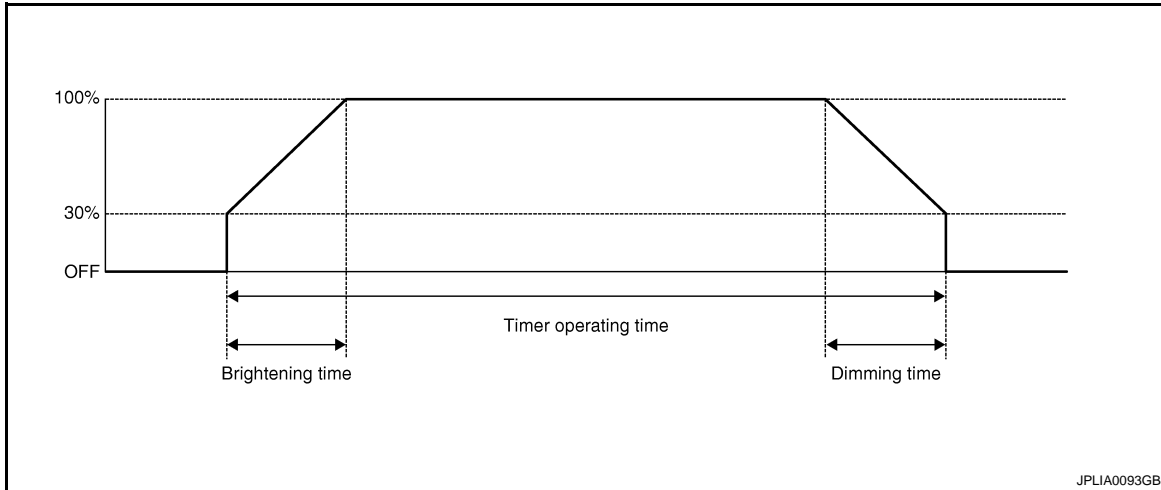
INT LAMP : CONSULT-III Function (BCM - INT LAMP)

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DIAGNOSIS SYSTEM (BCM)

< FUNCTION DIAGNOSIS >

WORK SUPPORT



Service item	Setting item	Setting
ROOM LAMP TIMER SET	MODE 2	7.5 sec.
	MODE 3*	15 sec.
	MODE 4	30 sec.
SET I/L D-UNLCK INTCON	ON*	With the interior room lamp timer function
	OFF	Without the interior room lamp timer function
ROOM LAMP ON TIME SET	MODE 1	0.5 sec.
	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.
	MODE 2	1 sec.
	MODE 3	2 sec.
	MODE 4*	3 sec.
	MODE 5	0 sec.
R LAMP TIMER LOGIC SET	ON*	Interior room lamp timer activates with synchronizing all doors.
	OFF	Interior room lamp timer activates with synchronizing the driver door only.

*: Initial setting

DATA MONITOR

Monitor item [Unit]	Description
REQ SW-DR [ON/OFF]	The switch status input from request switch (driver side)
REQ SW-AS [ON/OFF]	The switch status input from front request switch (passenger side)
PUSH SW [ON/OFF]	The switch status input from push-button ignition switch
ACC RLY-F/B [ON/OFF]	ACC relay feedback signal status input from ACC relay
KEY SW-SLOT [ON/OFF]	Key switch status input from key slot

DIAGNOSIS SYSTEM (BCM)

< FUNCTION DIAGNOSIS >

Monitor item [Unit]	Description
DOOR SW-DR [ON/OFF]	The switch status input from front door switch (driver side)
DOOR SW-AS [ON/OFF]	The switch status input from front door switch (passenger side)
DOOR SW-RR [ON/OFF]	The switch status input from rear door switch RH
DOOR SW- RL [ON/OFF]	The switch status input from rear door switch LH
DOOR SW-BK [ON/OFF]	NOTE: The item is indicated, but not monitored.
CDL LOCK SW [ON/OFF]	Lock switch status received from central door lock switch by power window switch serial link
CDL UNLOCK SW [ON/OFF]	Unlock switch status received from central door lock switch by power window switch serial link
KEY CYL LK-SW [ON/OFF]	Lock switch status received from key cylinder switch by power window switch serial link
KEY CYL UN-SW [ON/OFF]	Unlock switch status received from key cylinder switch by power window switch serial link
TRNK/HAT MNTR [ON/OFF]	The switch status input from trunk room lamp 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	Outputs the trunk room lamp control signal to turn step lamp ON.
	OFF	Stops the trunk room lamp control signal to turn step lamp ON.

BATTERY SAVER

BATTERY SAVER : CONSULT-III Function (BCM - BATTERY SAVER)

INFOID:000000000962579

WORK SUPPORT

Service item	Setting item	Setting	
BATTERY SAVER SET	ON*	With the exterior lamp battery saver function	
	OFF	Without the exterior lamp battery saver function	
ROOM LAMP BAT SAV SET	ON*	With the interior room lamp battery saver function	
	OFF	Without the interior room lamp battery saver function	
ROOM LAMP TIMER SET	MODE 1*	30 min.	Sets the interior room lamp battery saver timer operating time.
	MODE 2	60 min.	

*: Initial setting

DATA MONITOR

DIAGNOSIS SYSTEM (BCM)

< FUNCTION DIAGNOSIS >

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
ACC RLY-F/B [ON/OFF]	ACC relay feedback signal status input from ACC relay
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 central door lock switch by power window switch serial link
CDL UNLOCK SW [ON/OFF]	Unlock switch status received from central door lock switch by power window switch serial link
KEY CYL LK-SW [ON/OFF]	Lock switch status received from key cylinder switch by power window switch serial link
KEY CYL UN-SW [ON/OFF]	Unlock switch status received from key cylinder switch by power window switch serial link
TRNK/HAT MNTR [ON/OFF]	The switch status input from trunk room lamp 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
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.

POWER SUPPLY AND GROUND CIRCUIT

< COMPONENT DIAGNOSIS >

COMPONENT DIAGNOSIS

POWER SUPPLY AND GROUND CIRCUIT

BCM

BCM : Diagnosis Procedure

INFOID:000000000962580

1. CHECK FUSE AND FUSIBLE LINK

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

Terminal No.	Signal name	Fuse and fusible link No.
1	Battery power supply	K
11		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.

BCM : Special Repair Requirement

INFOID:000000000962581

1. REQUIRED WORK WHEN REPLACING BCM

Initialize IVIS by CONSULT-III. For the details of initialization refer to CONSULT-III operation manual NATS-IVIS/NVIS.

>> Work end.

INTERIOR ROOM LAMP POWER SUPPLY CIRCUIT

< COMPONENT DIAGNOSIS >

INTERIOR ROOM LAMP POWER SUPPLY CIRCUIT

Description

INFOID:000000000962582

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

Component Function Check

INFOID:000000000962583

1.CHECK INTERIOR ROOM LAMP POWER SUPPLY FUNCTION

ⓅCONSULT-III ACTIVE TEST

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

OFF : Interior room lamp OFF

ON : Interior room lamp ON

Does the interior room lamp turn ON/OFF?

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

NO >> Refer to [INL-18. "Diagnosis Procedure"](#).

Diagnosis Procedure

INFOID:000000000962584

1.CHECK INTERIOR ROOM LAMP POWER SUPPLY OUTPUT

ⓅCONSULT-III ACTIVE TEST

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

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

Is the measurement value normal?

YES >> GO TO 2.

NO >> Replace BCM.

2.CHECK INTERIOR ROOM LAMP POWER SUPPLY OPEN CIRCUIT

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

INTERIOR ROOM LAMP POWER SUPPLY CIRCUIT

< COMPONENT DIAGNOSIS >

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

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

Does continuity exist?

YES >> GO TO 3.

NO >> Repair the harnesses or connectors.

3. CHECK INTERIOR ROOM LAMP POWER SUPPLY SHORT CIRCUIT

Check continuity between BCM harness connector and 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.

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INTERIOR ROOM LAMP CONTROL CIRCUIT

< COMPONENT DIAGNOSIS >

INTERIOR ROOM LAMP CONTROL CIRCUIT

Description

INFOID:000000000962585

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:000000000962586

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-III ACTIVE TEST

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

ON : Interior room lamp gradual brightening

OFF : Interior room lamp gradual dimming

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

YES >> Interior room lamp control circuit is normal.

NO >> Refer to [INL-20, "Diagnosis Procedure"](#).

Diagnosis Procedure

INFOID:000000000962587

1. CHECK INTERIOR ROOM LAMP CONTROL OUTPUT

CONSULT-III 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		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

< COMPONENT DIAGNOSIS >

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

Does continuity exist?

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

NO >> Repair the harnesses or connectors.

3. CHECK INTERIOR ROOM LAMP CONTROL SHORT CIRCUIT

1. Turn 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.

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STEP LAMP CIRCUIT

< COMPONENT DIAGNOSIS >

STEP LAMP CIRCUIT

Description

INFOID:000000000962588

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

Component Function Check

INFOID:000000000962589

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-III ACTIVE TEST

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

ON : Step lamp ON
OFF : Step lamp OFF

Does the step lamp turn ON/OFF?

- YES >> Step lamp circuit is normal.
 NO >> Refer to [INL-22, "Diagnosis Procedure"](#).

Diagnosis Procedure

INFOID:000000000962590

1.CHECK STEP LAMP OUTPUT

CONSULT-III ACTIVE TEST

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

BCM		Ground	Test item	Continuity
Connector	Terminal		STEP LAMP TEST	
M119	7		ON	Existed
			OFF	Not existed

Is the measurement value normal?

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

2.CHECK STEP LAMP OPEN CIRCUIT

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

BCM		Step lamp		Continuity
Connector	Terminal	Connector	Terminal	

STEP LAMP CIRCUIT

< COMPONENT DIAGNOSIS >

M119	7	Driver side	D12	2	Existed
		Passenger side	D42	2	

Does continuity exist?

YES >> Replace step lamp.

NO >> Repair harnesses or connectors.

3.CHECK STEP LAMP SHORT CIRCUIT

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

BCM		Ground	Continuity
Connector	Terminal		
M119	7		Not existed

Does continuity exist?

YES >> Repair the harnesses or connectors.

NO >> Replace BCM.

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TRUNK ROOM LAMP CIRCUIT

< COMPONENT DIAGNOSIS >

TRUNK ROOM LAMP CIRCUIT

Description

INFOID:000000000962591

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

Component Function Check

INFOID:000000000962592

CAUTION:

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

- Interior room lamp power supply
- Trunk room lamp bulb

1.CHECK TRUNK ROOM LAMP OPERATION

CONSULT-III ACTIVE TEST

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

ON : Trunk room lamp ON

OFF : Trunk room lamp OFF

Does the trunk room lamp turn ON/OFF?

- YES >> Trunk room lamp circuit is normal.
NO >> Refer to [INL-22, "Diagnosis Procedure"](#).

Diagnosis Procedure

INFOID:000000000962593

1.CHECK TRUNK ROOM LAMP OUTPUT

CONSULT-III ACTIVE TEST

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

BCM		Ground	Test item	Continuity
Connector	Terminal		LUGGAGE LAMP TEST	
M120	30		ON	Existed
			OFF	Not existed

Is the measurement value normal?

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

2.CHECK TRUNK ROOM LAMP OPEN CIRCUIT

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

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

Does continuity exist?

- YES >> Replace trunk room lamp.

TRUNK ROOM LAMP CIRCUIT

< COMPONENT DIAGNOSIS >

NO >> Repair harnesses or connectors.

3. CHECK TRUNK ROOM LAMP SHORT CIRCUIT

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

BCM		Ground	Continuity
Connector	Terminal		
M120	30		Not existed

Does continuity exist?

YES >> Repair harnesses or connectors.

NO >> Replace BCM.

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PUSH-BUTTON IGNITION SWITCH ILLUMINATION CIRCUIT

< COMPONENT DIAGNOSIS >

PUSH-BUTTON IGNITION SWITCH ILLUMINATION CIRCUIT

Description

INFOID:000000000962594

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

Component Function Check

INFOID:000000000962595

1. CHECK PUSH-BUTTON IGNITION SWITCH ILLUMINATION OPERATION

CONSULT-III ACTIVE TEST

1. Turn the ignition switch ON.
2. Select "ENGINE SW ILLUMI" of BCM (INTELLGENT 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-26, "Diagnosis Procedure"](#).

Diagnosis Procedure

INFOID:000000000962596

1. CHECK ILLUMINATION CONTROL SWITCHING OPERATION

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

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

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

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

2. CHECK PUSH-BUTTON IGNITION SWITCH ILLUMINATION GROUND CIRCUIT

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

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

Does the continuity exist?

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

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

CONSULT-III ACTIVE TEST

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

PUSH-BUTTON IGNITION SWITCH ILLUMINATION CIRCUIT

< COMPONENT DIAGNOSIS >

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

Is the measurement value normal?

YES >> GO TO 4.

NO >> GO TO 5.

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

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

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

Does the continuity exist?

YES >> Replace push-button ignition switch.

NO >> Repair the harness or the connector.

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

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

BCM		Ground	Continuity
Connector	Terminal		
M123	133		Not existed

Does the continuity exist?

YES >> Repair the harness or the connector.

NO >> Replace BCM.

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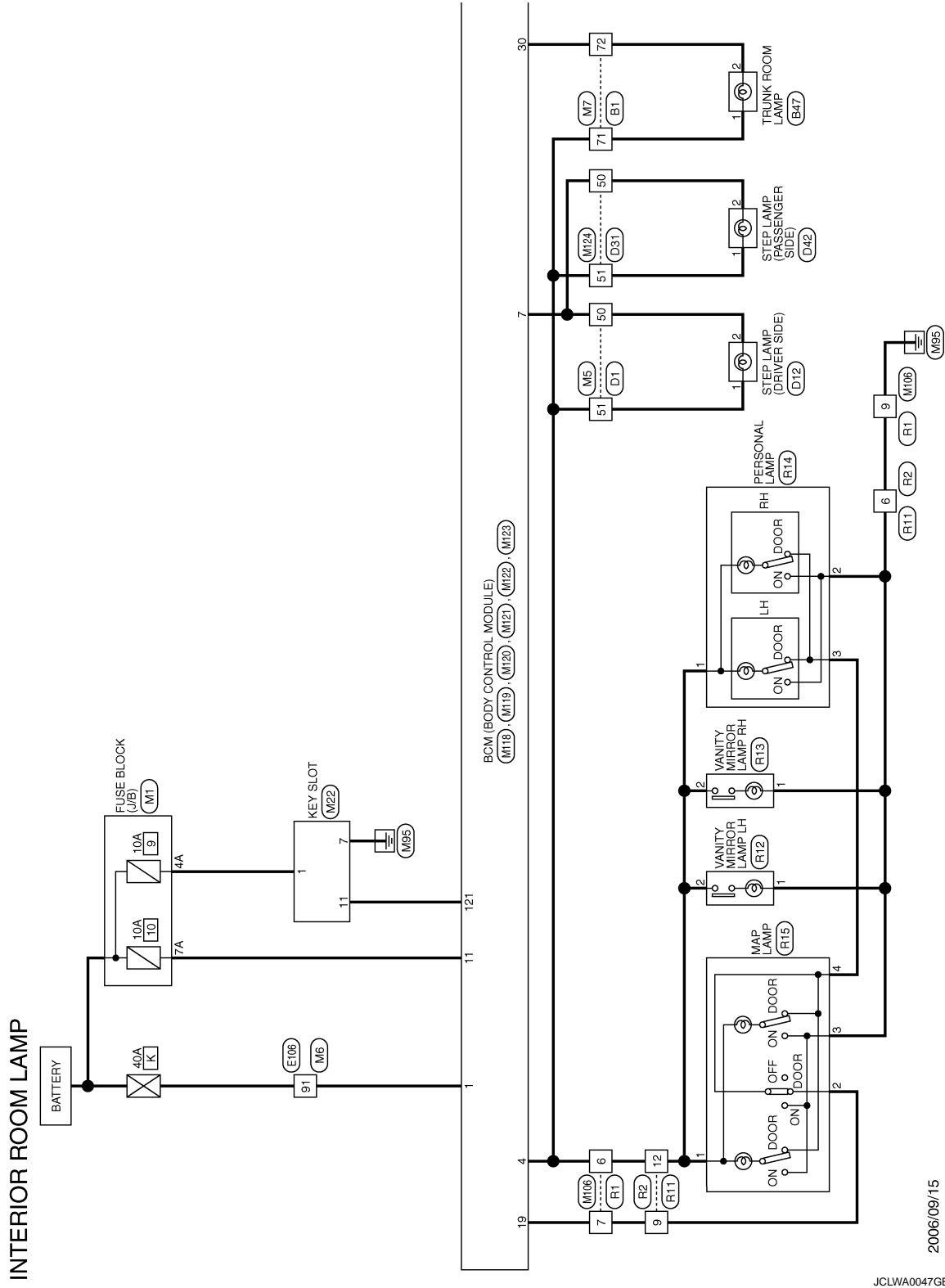
INTERIOR ROOM LAMP CONTROL SYSTEM

< COMPONENT DIAGNOSIS >

INTERIOR ROOM LAMP CONTROL SYSTEM

Wiring Diagram —INTERIOR ROOM LAMP —

INFOID:000000000962597



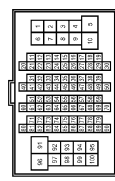

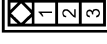
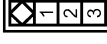
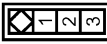
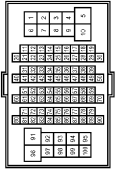

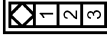
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INTERIOR ROOM LAMP CONTROL SYSTEM

< COMPONENT DIAGNOSIS >

INTERIOR ROOM LAMP

Connector No. B1	WIRE TO WIRE TH80FW-CS16-TM4		Terminal No. of Wire	Color of Wire	Signal Name
			54	L	-
			71	BR	-
			72	GR	-
			98	V	-
			99	R	-
Connector No. B27	WIRE TO WIRE NS18MW-CS		Terminal No. of Wire	Color of Wire	Signal Name
			3	B	-
			7	L	-
Connector No. B23	REAR DOOR SWITCH LH A03FW		Terminal No. of Wire	Color of Wire	Signal Name
			2	R	-
Connector No. B216	FRONT DOOR SWITCH (PASSENGER SIDE) A03FW		Terminal No. of Wire	Color of Wire	Signal Name
			2	GR	-
Connector No. B16	FRONT DOOR SWITCH (DRIVER SIDE) A03FW		Terminal No. of Wire	Color of Wire	Signal Name
			2	V	-
Connector No. B201	WIRE TO WIRE TH80FW-CS16-TM4		Terminal No. of Wire	Color of Wire	Signal Name
			97	GR	-
			98	BR	-
Connector No. B47	TRUNK ROOM LAMP S02FW		Terminal No. of Wire	Color of Wire	Signal Name
			1	BR	-
			2	GR	-
Connector No. B223	REAR DOOR SWITCH RH A03FW		Terminal No. of Wire	Color of Wire	Signal Name
			2	BR	-

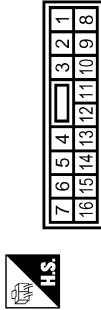
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INTERIOR ROOM LAMP CONTROL SYSTEM

< COMPONENT DIAGNOSIS >

INTERIOR ROOM LAMP

Connector No.	B301
Connector Name	WIRE TO WIRE
Connector Type	NS18FW-CS



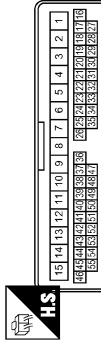
Terminal No.	Color of Wire	Signal Name
3	B	-
7	V	-

Connector No.	B303
Connector Name	TRUNK LID LOCK ASSEMBLY
Connector Type	TE03FW



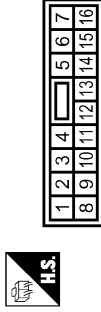
Terminal No.	Color of Wire	Signal Name
1	V	-
2	B	-

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



Terminal No.	Color of Wire	Signal Name
13	B	-
14	V	-
50	SB	-
51	R	-

Connector No.	D8
Connector Name	POWER WINDOW MAIN SWITCH
Connector Type	NS18FW-CS



Terminal No.	Color of Wire	Signal Name
4	V	-
6	Y	-
14	V	-

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



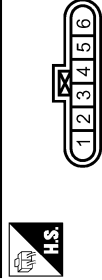
Terminal No.	Color of Wire	Signal Name
17	B	-

Connector No.	D12
Connector Name	STEP LAMP (DRIVER SIDE)
Connector Type	TE02FW



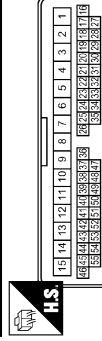
Terminal No.	Color of Wire	Signal Name
1	R	-
2	SB	-

Connector No.	D15
Connector Name	FRONT DOOR LOCK ASSEMBLY (DRIVER SIDE)
Connector Type	ED06GY-RS



Terminal No.	Color of Wire	Signal Name
4	B	-
5	V	-
8	V	-

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



Terminal No.	Color of Wire	Signal Name
13	B	-
14	V	-
50	SB	-
51	R	-

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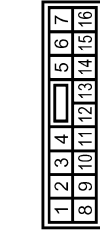
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INTERIOR ROOM LAMP CONTROL SYSTEM

< COMPONENT DIAGNOSIS >

INTERIOR ROOM LAMP

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



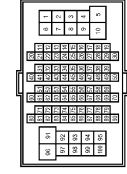
Terminal No.	Color of Wire	Signal Name
11	B	-
16	V	-

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



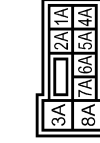
Terminal No.	Color of Wire	Signal Name
1	R	-
2	SB	-

Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS (6-TM4)



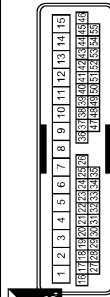
Terminal No.	Color of Wire	Signal Name
91	W	-

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



Terminal No.	Color of Wire	Signal Name
4A	P	-
7A	R	-

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



Terminal No.	Color of Wire	Signal Name
13	B	-
14	V	-
50	Y	-
51	R	-

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS (6-TM4)



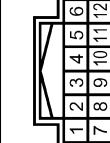
Terminal No.	Color of Wire	Signal Name
91	W	-

Connector No.	M7
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS (6-TM4)



Terminal No.	Color of Wire	Signal Name
54	R	-
71	V	-
72	R	-
88	GR	-
89	R	-

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



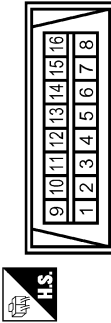
Terminal No.	Color of Wire	Signal Name
1	R	BAT
7	B	GND
11	R	KEY SWITCH SIGNAL

INTERIOR ROOM LAMP CONTROL SYSTEM

< COMPONENT DIAGNOSIS >

INTERIOR ROOM LAMP

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



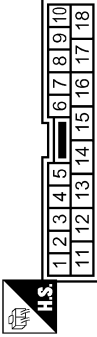
Terminal No.	Color of Wire	Signal Name
6	L	-
14	P	-

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



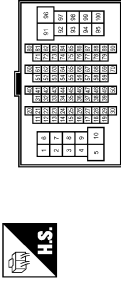
Terminal No.	Color of Wire	Signal Name
1	B	-
2	W	-
3	W	-
4	BR	-

Connector No.	M106
Connector Name	WIRE TO WIRE
Connector Type	TK10MW-NSB



Terminal No.	Color of Wire	Signal Name
6	LG	-
7	V	-
9	B	-

Connector No.	M117
Connector Name	WIRE TO WIRE
Connector Type	TH08MW-CS16-TM4



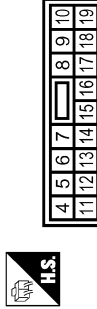
Terminal No.	Color of Wire	Signal Name
97	LG	-
98	BR	-

Connector No.	M118
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	IM09EP-LC



Terminal No.	Color of Wire	Signal Name
1	W	BAT (F/L)

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



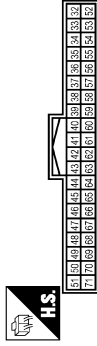
Terminal No.	Color of Wire	Signal Name
4	LG	BAT SAVER OUTPUT
7	Y	STEP LAMP OUTPUT
11	R	BAT (FUSE)
13	B	GND
14	W	RING/SW LED GND
19	V	ROOM LAMP OUTPUT

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



Terminal No.	Color of Wire	Signal Name
30	R	TRUNK LAMP OUTPUT

Connector No.	M121
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH06FY-NH



Terminal No.	Color of Wire	Signal Name
50	R	TRUNK SW
68	BR	DOOR SW (RR, RH)
69	R	DOOR SW (RL, LH)

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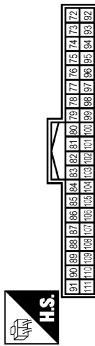
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INTERIOR ROOM LAMP CONTROL SYSTEM

< COMPONENT DIAGNOSIS >

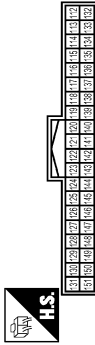
INTERIOR ROOM LAMP

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



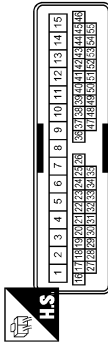
Terminal No.	Color of Wire	Signal Name
89	BR	ENG SW
90	P	CAN-L
91	L	CAN-H

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



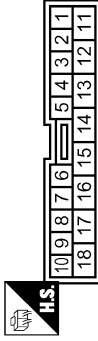
Terminal No.	Color of Wire	Signal Name
121	R	KEY SWITCH SIGNAL
124	LG	DOOR SW (AS)
132	V	POWER WINDOW SERIAL LINK
133	W	RING SW LED
150	GR	DOOR SW (DR)

Connector No.	M124
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-GS15



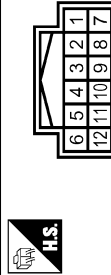
Terminal No.	Color of Wire	Signal Name
13	B	-
14	Y	-
50	Y	-
51	R	-

Connector No.	RI
Connector Name	WIRE TO WIRE
Connector Type	TK10FW-NS8



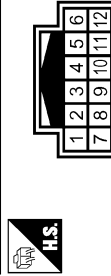
Terminal No.	Color of Wire	Signal Name
6	R	-
7	V	-
9	B	-

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



Terminal No.	Color of Wire	Signal Name
6	B	-
9	V	-
12	R	-

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



Terminal No.	Color of Wire	Signal Name
6	B	-
9	V	-
12	R	-

Connector No.	RI2
Connector Name	VANITY MIRROR LAMP LH
Connector Type	MCA02FW



Terminal No.	Color of Wire	Signal Name
1	B	-
2	R	-

Connector No.	RI3
Connector Name	VANITY MIRROR LAMP RH
Connector Type	MCA02FW



Terminal No.	Color of Wire	Signal Name
1	B	-
2	R	-

INTERIOR ROOM LAMP CONTROL SYSTEM

< COMPONENT DIAGNOSIS >

INTERIOR ROOM LAMP

Connector No.	RI14
Connector Name	PERSONAL LAMP
Connector Type	THRAFW-NH



Terminal No.	Color of Wire	Signal Name
1	R	-
2	B	-
3	V	-

Connector No.	RI15
Connector Name	MAP LAMP
Connector Type	TK108FGY



Terminal No.	Color of Wire	Signal Name
1	R	-
2	V	-
3	B	-
4	-	-

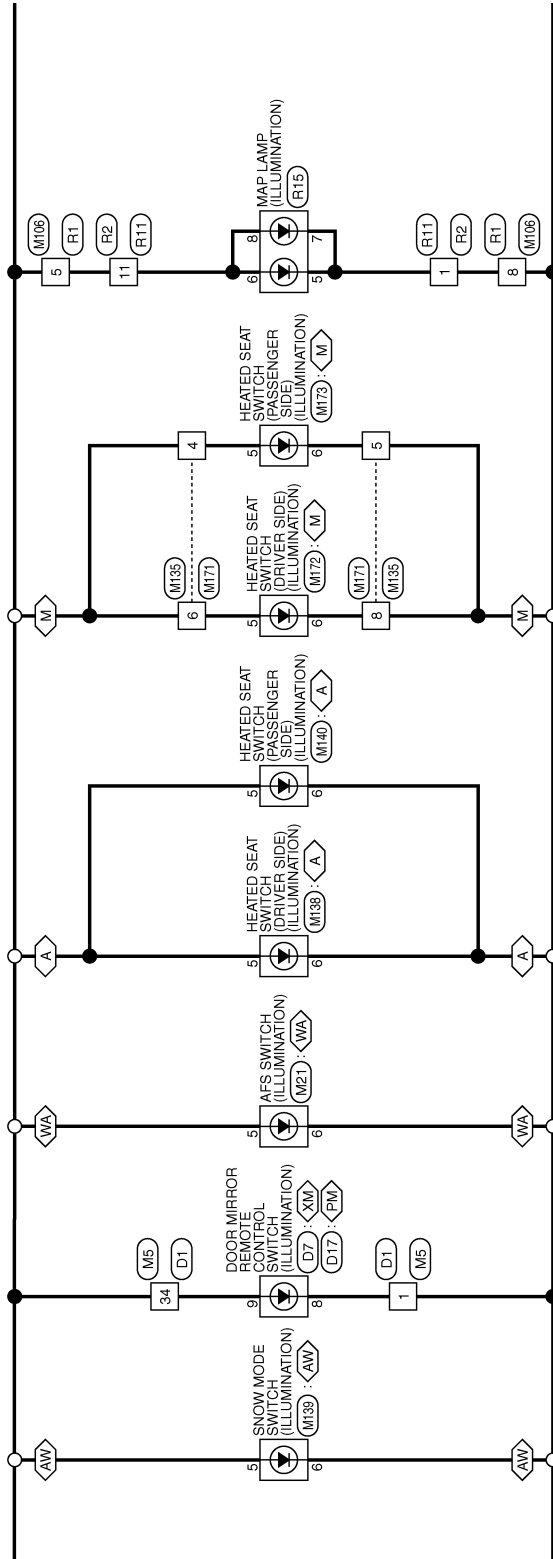
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ILLUMINATION

< COMPONENT DIAGNOSIS >

- : With AT
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- : AWD models
- : With AFS
- : With automatic drive positioner
- : Except



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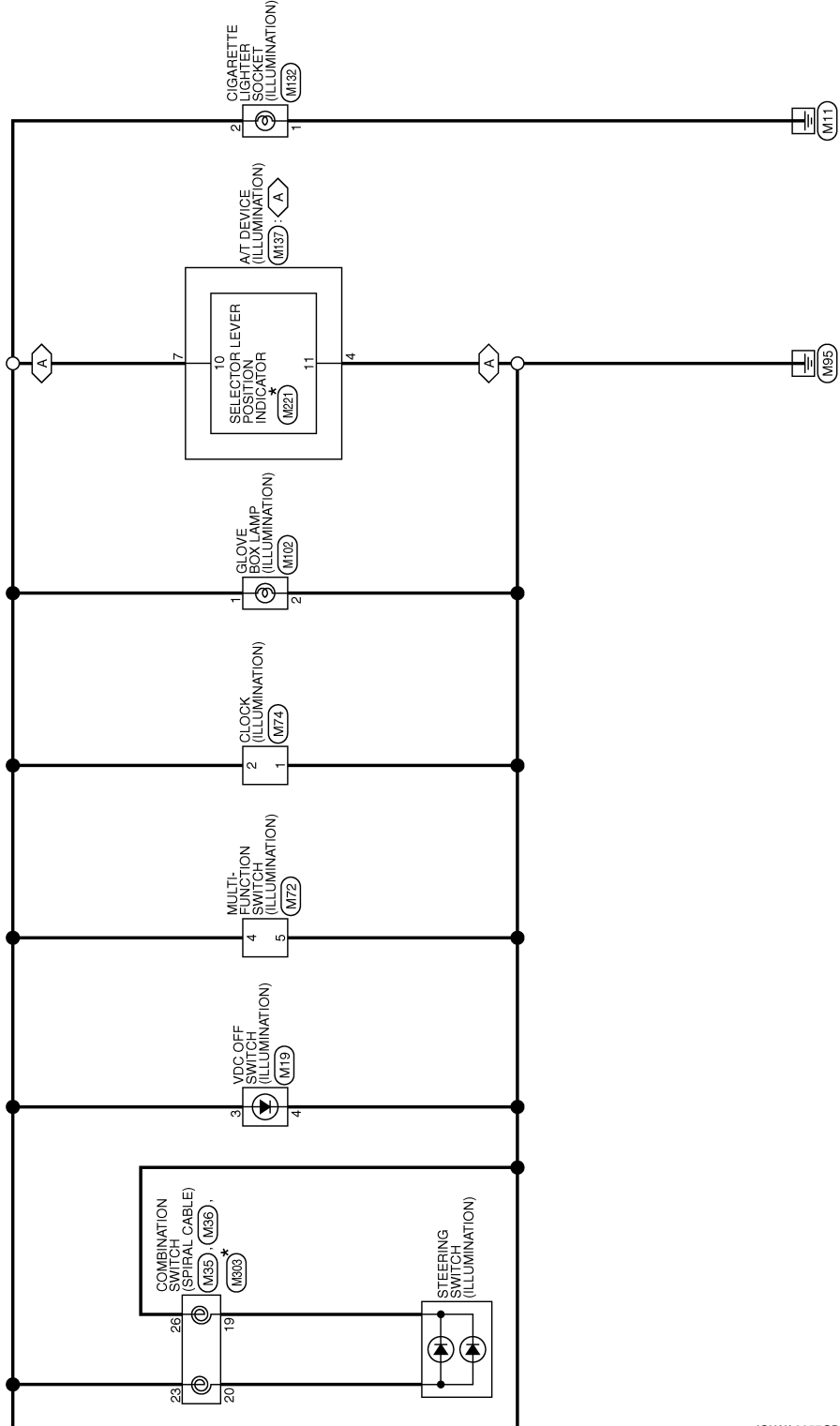
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ILLUMINATION

< COMPONENT DIAGNOSIS >

◊ A : With A/T

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



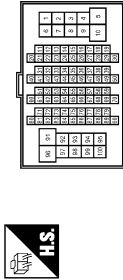
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ILLUMINATION

< COMPONENT DIAGNOSIS >

ILLUMINATION

Connector No.	B1
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4



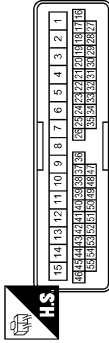
Terminal No.	Color of Wire	Signal Name
23	L	-
24	P	-
25	L	-
26	P	-
38	V	-

Connector No.	B16
Connector Name	FRONT DOOR SWITCH (DRIVER SIDE)
Connector Type	AQ3FW



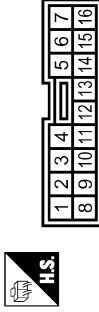
Terminal No.	Color of Wire	Signal Name
2	V	-

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



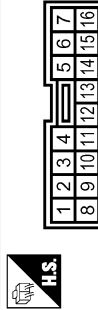
Terminal No.	Color of Wire	Signal Name
1	B	-
34	R	-

Connector No.	D7
Connector Name	DOOR MIRROR REMOTE CONTROL SWITCH (Without automatic drive positioner)
Connector Type	TK18FW



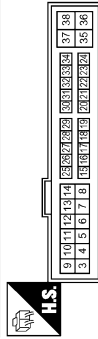
Terminal No.	Color of Wire	Signal Name
8	B	-
9	R	-

Connector No.	D17
Connector Name	DOOR MIRROR REMOTE CONTROL SWITCH (With automatic drive positioner)
Connector Type	TK16FBR



Terminal No.	Color of Wire	Signal Name
8	B	-
9	R	-

Connector No.	E5
Connector Name	IPDM E/R INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	TH20FW-CS12-M4-1V



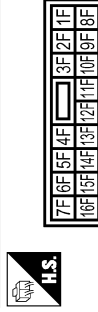
Terminal No.	Color of Wire	Signal Name
7	R	-
12	B/W	-

Connector No.	E6
Connector Name	IPDM E/R INTELLIGENT POWER DISTRIBUTION MODULE (ENGINE ROOM)
Connector Type	TH80FW-NH



Terminal No.	Color of Wire	Signal Name
39	P	-
40	L	-
41	B/W	-

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



Terminal No.	Color of Wire	Signal Name
3F	R	-

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ILLUMINATION

< COMPONENT DIAGNOSIS >

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Connector No.	E106	Connector No.	M1	Connector No.	M2	Connector No.	M3	Connector No.	M5	Connector No.	M6	Connector No.	M7	Connector No.	M8	Connector No.	M9	Terminal No.	Color of Wire	Signal Name	Terminal No.	Color of Wire	Signal Name
Connector Name	WIRE TO WIRE	Connector Name	FUSE BLOCK (J/B)	Connector Name	FUSE BLOCK (J/B)	Connector Name	FUSE BLOCK (J/B)	Connector Name	WIRE TO WIRE	Connector Name	WIRE TO WIRE	Connector Name	WIRE TO WIRE	Connector Name	DIODE	Connector Name	DIODE	1	R	-	1	R	-
Connector Type	TH80FW-CS16-TM4	Connector Type	NS06FW-M2	Connector Type	NS10FW-CS	Connector Type	NS12FW-CS	Connector Type	TH80MW-CS16-TM4	Connector Type	TH80MW-CS16-TM4	Connector Type	TH80MW-CS16-TM4	Connector Type	24335-C8B00	Connector Type	24335-C8B00	2	W	-	2	W	-
Terminal No.	6	Terminal No.	1A	Terminal No.	6B	Terminal No.	12C	Terminal No.	1	Terminal No.	1	Terminal No.	1	Terminal No.	1	Terminal No.	1	1	R	-	1	R	-
Color of Wire	P	Color of Wire	GR	Color of Wire	Y	Color of Wire	R	Color of Wire	L	Color of Wire	L	Color of Wire	L	Color of Wire	L	Color of Wire	L	2	P	-	2	P	-
Signal Name	-	Signal Name	-	Signal Name	-	Signal Name	-	Signal Name	-	Signal Name	-	Signal Name	-	Signal Name	-	Signal Name	-	23	L	-	23	L	-
Terminal No.	7	Terminal No.	2A	Terminal No.	8B	Terminal No.	12C	Terminal No.	2	Terminal No.	2	Terminal No.	2	Terminal No.	2	Terminal No.	2	24	P	-	24	P	-
Color of Wire	L	Color of Wire	G	Color of Wire	R	Color of Wire	R	Color of Wire	L	Color of Wire	L	Color of Wire	L	Color of Wire	L	Color of Wire	L	25	L	-	25	L	-
Signal Name	-	Signal Name	-	Signal Name	-	Signal Name	-	Signal Name	-	Signal Name	-	Signal Name	-	Signal Name	-	Signal Name	-	26	P	-	26	P	-
Terminal No.	91	Terminal No.	7A	Terminal No.	8B	Terminal No.	12C	Terminal No.	91	Terminal No.	91	Terminal No.	91	Terminal No.	91	Terminal No.	91	91	W	-	91	W	-
Color of Wire	W	Color of Wire	R	Color of Wire	R	Color of Wire	R	Color of Wire	W	Color of Wire	W	Color of Wire	W	Color of Wire	W	Color of Wire	W	91	W	-	91	W	-
Signal Name	-	Signal Name	-	Signal Name	-	Signal Name	-	Signal Name	-	Signal Name	-	Signal Name	-	Signal Name	-	Signal Name	-	91	W	-	91	W	-
Terminal No.	34	Terminal No.	1A	Terminal No.	10B	Terminal No.	12C	Terminal No.	34	Terminal No.	34	Terminal No.	34	Terminal No.	34	Terminal No.	34	34	B	-	34	B	-
Color of Wire	R	Color of Wire	GR	Color of Wire	GR	Color of Wire	R	Color of Wire	R	Color of Wire	R	Color of Wire	R	Color of Wire	R	Color of Wire	R	34	R	-	34	R	-
Signal Name	-	Signal Name	-	Signal Name	-	Signal Name	-	Signal Name	-	Signal Name	-	Signal Name	-	Signal Name	-	Signal Name	-	34	R	-	34	R	-

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ILLUMINATION

< COMPONENT DIAGNOSIS >

ILLUMINATION

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



Terminal No.	Color of Wire	Signal Name
3	R	-
4	W	-

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



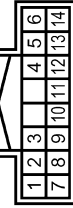
Terminal No.	Color of Wire	Signal Name
3	R	-
4	R	-

Connector No.	M21
Connector Name	AFS SWITCH
Connector Type	TK08FW-IV



Terminal No.	Color of Wire	Signal Name
5	R	-
6	W	-

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



Terminal No.	Color of Wire	Signal Name
2	SB	OUTPUT 4
5	L	OUTPUT 3
7	V	INPUT 3
8	O	OUTPUT 5
9	Y	INPUT 2
10	R	INPUT 4
11	LG	INPUT 1
12	P	OUTPUT 1
13	BR	INPUT 5
14	G	OUTPUT 2

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



Terminal No.	Color of Wire	Signal Name
23	R	-

Connector No.	M38
Connector Name	COMBINATION SWITCH (SPIRAL CABLE)
Connector Type	TK08FGY-TV



Terminal No.	Color of Wire	Signal Name
26	B	-

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



Terminal No.	Color of Wire	Signal Name
2	W	-
3	W	-

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ILLUMINATION

< COMPONENT DIAGNOSIS >

ILLUMINATION		
Connector No.	M53	
Connector Name	COMBINATION METER	
Connector Type	SAB40FW	
Terminal No.	Color of Wire	Signal Name
1	GR	BAT
2	LG	COMM (METER->AMP)
3	GR	COMM (AMP->METER)
5	B	GND
15	B	GND
16	B	METER CONTROL SW GND
18	B	ILL GND
19	B	ILL GND
20	R	ILL
21	R	IGN
22	B	GND

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
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ILLUMINATION		
Connector No.	M54	
Connector Name	METER CONTROL SWITCH	
Connector Type	TH12FW-NH	
Terminal No.	Color of Wire	Signal Name
3	B	-
4	R	-
7	R	-
8	B	-
9	O	-
10	P	-

1	2	3	4	5	6	7	8	9	10	11	12
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ILLUMINATION		
34	R	ILLUMINATION CONTROL
39	P	ILLUMINATION CONTROL SW (-)
40	O	ILLUMINATION CONTROL SW (+)

ILLUMINATION		
Connector No.	M56	
Connector Name	UNIFIED METER AND A/C AMP.	
Connector Type	TH40FW-NH	
Terminal No.	Color of Wire	Signal Name
7	GR	COMM (AMP->METER)
27	LG	COMM (METER->AMP)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
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ILLUMINATION		
Connector No.	M72	
Connector Name	MULTIFUNCTION SWITCH	
Connector Type	TH18FW-NH	
Terminal No.	Color of Wire	Signal Name
4	R	ILL
5	R	ILL CONT

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

ILLUMINATION		
Connector No.	M67	
Connector Name	UNIFIED METER AND A/C AMP.	
Connector Type	TH22FW-NH	
Terminal No.	Color of Wire	Signal Name
53	G	IGN
54	Y	BAT
55	B	GND
56	L	CAN-H
71	B	GND
72	P	CAN-L

41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72

ILLUMINATION		
Connector No.	M80	
Connector Name	AV CONTROL UNIT	
Connector Type	TH18FW-GS2	
Terminal No.	Color of Wire	Signal Name
9	R	ILLUMINATION

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

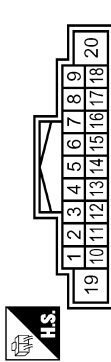
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ILLUMINATION

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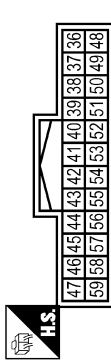
ILLUMINATION

Connector No.	M81
Connector Name	AV CONTROL UNIT
Connector Type	TH18FW-CS2



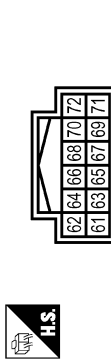
Terminal No.	Color of Wire	Signal Name
9	R	ILLUMINATION

Connector No.	M83
Connector Name	AV CONTROL UNIT
Connector Type	TH24FW-NH



Terminal No.	Color of Wire	Signal Name
44	BR	COMM (DISP->CONT)
55	SHIELD	SHIELD
56	Y	COMM (CONT->DISP)

Connector No.	M88
Connector Name	AV CONTROL UNIT
Connector Type	TH12FW-NH



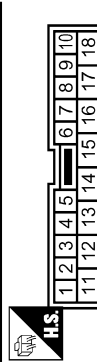
Terminal No.	Color of Wire	Signal Name
70	BR	COMM (CONT->DISP)
71	Y	COMM (DISP->CONT)
72	SHIELD	SHIELD

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



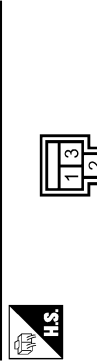
Terminal No.	Color of Wire	Signal Name
1	R	-
2	B	-

Connector No.	M106
Connector Name	WIRE TO WIRE
Connector Type	TK0MFW-NS8



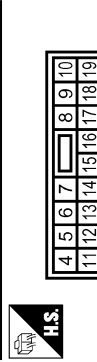
Terminal No.	Color of Wire	Signal Name
5	R	-
8	R	-

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



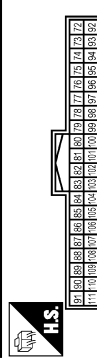
Terminal No.	Color of Wire	Signal Name
1	W	BAT (F/L)

Connector No.	M119
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	NS10FW-CS



Terminal No.	Color of Wire	Signal Name
11	R	BAT (FUSE)
13	B	GND
14	W	RING/SW LED GND

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



Terminal No.	Color of Wire	Signal Name
87	BR	COMBI SW INPUT 5
88	V	COMBI SW INPUT 3
90	P	CAN-L
91	L	CAN-H
107	LG	COMBI SW INPUT 1
108	R	COMBI SW INPUT 4
109	Y	COMBI SW INPUT 2

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Connector No.	M123	Connector No.	M132	Connector No.	M135	Connector No.	M137
Connector Name	BOM (BODY CONTROL MODULE)	Connector Name	CIGARETTE LIGHTER SOCKET	Connector Name	WIRE TO WIRE	Connector Name	A/T DEVICE
Connector Type	TH40FG-NH	Connector Type	NS30FW-GS	Connector Type	NS12FW-GS	Connector Type	TH12FW-NH



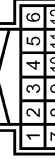
Terminal No.	Color of Wire	Signal Name
133	W	RING/SW LED
142	O	COMBI SW OUTPUT 5
143	P	COMBI SW OUTPUT 1
144	G	COMBI SW OUTPUT 2
145	L	COMBI SW OUTPUT 3
146	SB	COMBI SW OUTPUT 4
150	GR	DOOR SW (DR)



Terminal No.	Color of Wire	Signal Name
1	B	-
2	R	-



Terminal No.	Color of Wire	Signal Name
4	R	-
5	W	-
6	R	-
8	W	-



Terminal No.	Color of Wire	Signal Name
4	B	-
7	R	-

ILLUMINATION

Connector No.	M133
Connector Name	HEATED SEAT SWITCH(DRIVER SIDE)
Connector Type	NS06FW-GS



Terminal No.	Color of Wire	Signal Name
5	R	-
6	W	-

Connector No.	M139
Connector Name	SNOW MODE SWITCH
Connector Type	TK08FW



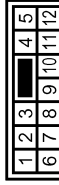
Terminal No.	Color of Wire	Signal Name
5	P	-
6	R	-



Connector No.	M140
Connector Name	HEATED SEAT SWITCH(PASSENGER SIDE)
Connector Type	NS08FBR-GS

Terminal No.	Color of Wire	Signal Name
5	R	-
6	W	-

Connector No.	M171
Connector Name	WIRE TO WIRE
Connector Type	NS12MW-GS



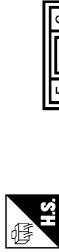
Terminal No.	Color of Wire	Signal Name
4	R	-
5	L	-
6	P	-
8	V	-

ILLUMINATION

< COMPONENT DIAGNOSIS >

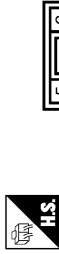
ILLUMINATION

Connector No.	M172
Connector Name	HEATED SEAT SWITCH(DRIVER SIDE)
Connector Type	NSJ6FW-CS



Terminal No.	Color of Wire	Signal Name
5	P	-
6	V	-

Connector No.	M173
Connector Name	HEATED SEAT SWITCH(PASSENGER SIDE)
Connector Type	NSJ6FBR-CS



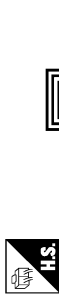
Terminal No.	Color of Wire	Signal Name
5	R	-
6	L	-

Connector No.	M221
Connector Name	SELECTOR LEVER POSITION INDICATOR
Connector Type	TH12FW



Terminal No.	Color of Wire	Signal Name
10	R	ILL
11	B	GND

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



Terminal No.	Color of Wire	Signal Name
19	P	-
20	Y	-

Connector No.	RI
Connector Name	WIRE TO WIRE
Connector Type	TK0FW-NS8



Terminal No.	Color of Wire	Signal Name
5	Y	-
8	B	-

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



Terminal No.	Color of Wire	Signal Name
1	Y	-
11	Y	-

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



Terminal No.	Color of Wire	Signal Name
1	B	-
11	Y	-

Connector No.	RI5
Connector Name	MAP LAMP
Connector Type	TK08FGY



Terminal No.	Color of Wire	Signal Name
5	B	-
6	Y	-
7	B	-
8	Y	-

JCLWA0064GB

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS >

ECU DIAGNOSIS

BCM (BODY CONTROL MODULE)

Reference Value

INFOID:000000000962599

VALUES ON THE DIAGNOSIS TOOL

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

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS >

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

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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS >

Monitor Item	Condition	Value/Status
REQ SW-BD/TR	Trunk request switch is not pressed	OFF
	Trunk request switch is pressed	ON
PUSH SW	Push-button ignition switch (push switch) is not pressed	OFF
	Push-button ignition switch (push switch) is pressed	ON
IGN RLY2 -F/B	Ignition switch in OFF or ACC position	OFF
	Ignition switch in ON position	ON
ACC RLY -F/B	Ignition switch in OFF position	OFF
	Ignition switch in ACC or ON position	ON
CLUCH SW	The clutch pedal is not depressed	OFF
	The clutch pedal is depressed	ON
BRAKE SW 1	The brake pedal is not depressed	ON
	The brake pedal is depressed	OFF
DETE/CANCL SW	Selector lever in P position	OFF
	Selector lever in any position other than P	ON
SFT PN/N SW	Selector lever in any position other than P and N	OFF
	Selector lever in P or N position	ON
S/L -LOCK	Steering is locked	OFF
	Steering is unlocked	ON
S/L -UNLOCK	Steering is unlocked	OFF
	Steering is locked	ON
S/L RELAY-F/B	Ignition switch is OFF or ACC position	OFF
	Ignition switch is ON position	ON
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 is OFF or ACC position	OFF
	Ignition switch is ON position	ON
DETE SW -IPDM	Selector lever in P position	OFF
	Selector lever in any position other than P	ON
SFT PN -IPDM	Selector lever in any position other than P and N	OFF
	Selector lever in P or N position	ON
SFT P -MET	Selector lever in any position other than P	OFF
	Selector lever in P position	ON
SFT N -MET	Selector lever in any position other than N	OFF
	Selector lever in N position	ON
ENGINE STATE	Engine stopped	STOP
	While the engine stalls	STALL
	At engine cranking	CRANK
	Engine running	RUN
S/L LOCK-IPDM	Steering is locked	OFF
	Steering is unlocked	ON
S/L UNLK-IPDM	Steering is unlocked	OFF
	Steering is locked	ON

BCM (BODY CONTROL MODULE)

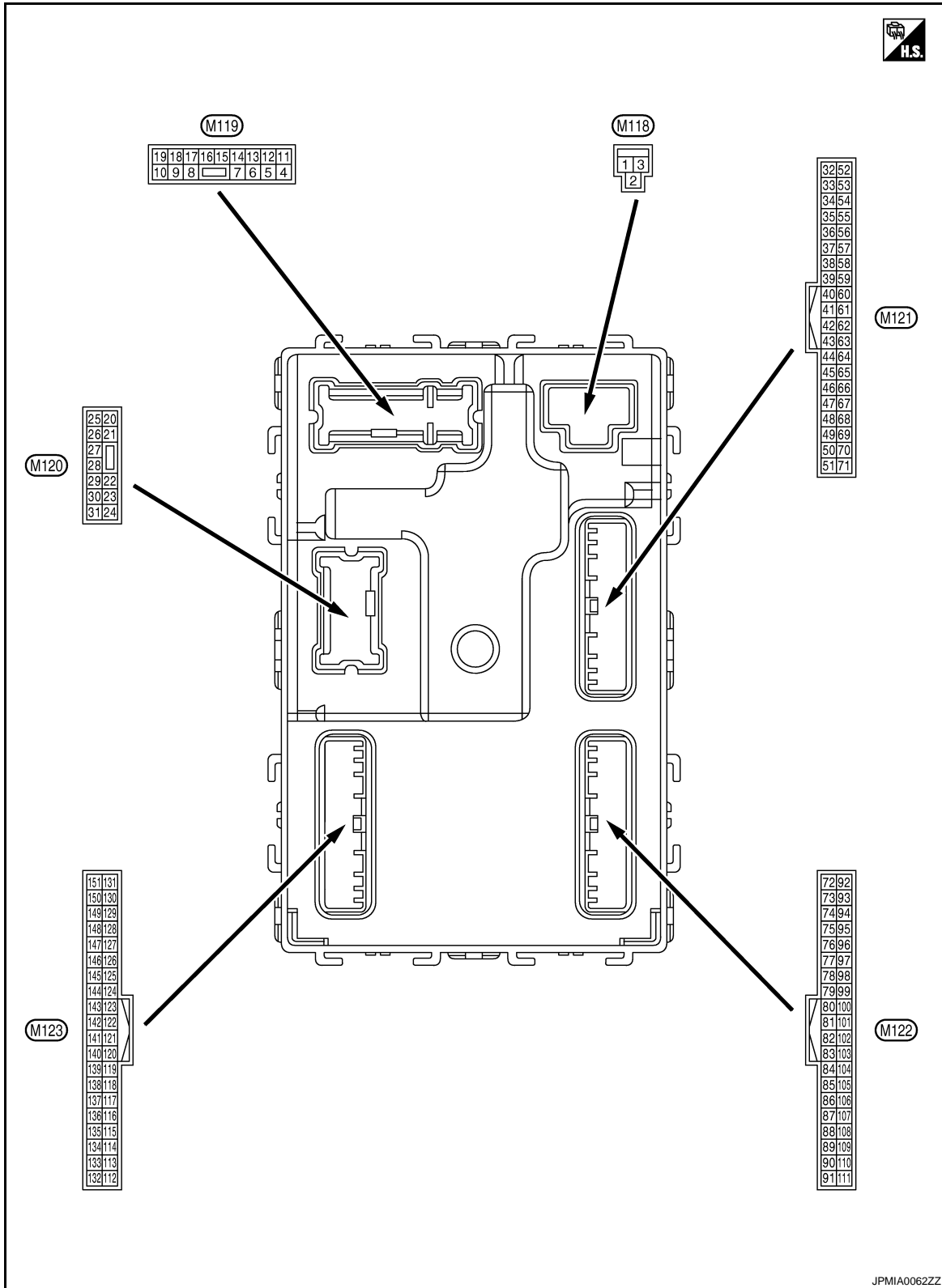
< ECU DIAGNOSIS >

Monitor Item	Condition	Value/Status	
S/L RELAY-REQ	Ignition switch in OFF or ACC position	OFF	A
	Ignition switch in ON position	ON	
VEH SPEED 1	While driving	Equivalent to speedometer reading	B
VEH SPEED 2	While driving	Equivalent to speedometer reading	
DOOR STAT-DR	Driver door is locked	LOCK	C
	Wait with selective UNLOCK operation (5 seconds)	READY	
	Driver door is unlocked	UNLK	
DOOR STAT-AS	Passenger door is locked	LOCK	D
	Wait with selective UNLOCK operation (5 seconds)	READY	
	Passenger door is unlocked	UNLK	
ID OK FLAG	Ignition switch in ACC or ON position	RESET	E
	Ignition switch in OFF position	SET	
PRMT ENG STRT	The engine start is prohibited	RESET	F
	The engine start is permitted	SET	
PRMT RKE STRT	NOTE: The item is indicated, but not monitored.	RESET	G
KEY SW -SLOT	Intelligent Key is not inserted into key slot	OFF	H
	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.	—	I
AIR PRESS FL	Ignition switch ON (Only when the signal from the transmitter is received)	Air pressure of front LH tire	J
AIR PRESS FR	Ignition switch ON (Only when the signal from the transmitter is received)	Air pressure of front RH tire	
AIR PRESS RR	Ignition switch ON (Only when the signal from the transmitter is received)	Air pressure of rear RH tire	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	INL
	ID of front LH tire transmitter is not registered	YET	
ID REGST FR1	ID of front RH tire transmitter is registered	DONE	M
	ID of front RH tire transmitter is not registered	YET	
ID REGST RR1	ID of rear RH tire transmitter is registered	DONE	N
	ID of rear RH tire transmitter is not registered	YET	
ID REGST RL1	ID of rear LH tire transmitter is registered	DONE	O
	ID of rear LH tire transmitter is not registered	YET	
WARNING LAMP	Tire pressure indicator OFF	OFF	P
	Tire pressure indicator ON	ON	
BUZZER	Tire pressure warning alarm is not sounding	OFF	
	Tire pressure warning alarm is sounding	ON	

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS >

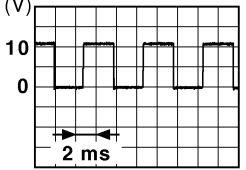
TERMINAL LAYOUT



PHYSICAL VALUES

BCM (BODY CONTROL MODULE)

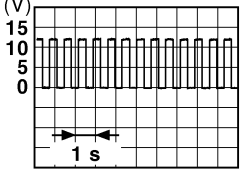
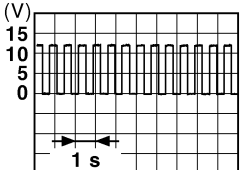
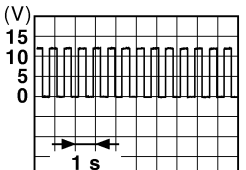
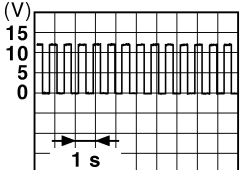
< ECU DIAGNOSIS >

Terminal No. (Wire color)		Description		Condition		Value (Approx.)
+	-	Signal name	Input/ Output			
1 (W)	Ground	Battery power supply	Input	Ignition switch OFF		Battery voltage
2 (Y)	Ground	P/W power supply (BAT)	Output	Ignition switch OFF		Battery voltage
3 (O)	Ground	P/W power supply (RAP)	Output	Ignition switch ON		Battery voltage
4 (LG)	Ground	Interior room lamp power supply	Output	After passing the interior room lamp battery saver operation time		0 V
				Any other time after passing the interior room lamp battery saver operation time		Battery voltage
5 (V)	Ground	Passenger door UN- LOCK	Output	Passenger door	UNLOCK (Actuator is acti- vated)	Battery voltage
					Other than UNLOCK (Actu- ator is not activated)	0 V
7 (Y)	Ground	Step lamp	Output	Step lamp	ON	0 V
					OFF	Battery voltage
8 (V)	Ground	All doors, fuel lid LOCK	Output	All doors, fuel lid	LOCK (Actuator is activat- ed)	Battery voltage
					Other than LOCK (Actuator is not activated)	0 V
9 (G)	Ground	Driver door, fuel lid UNLOCK	Output	Driver door, fuel lid	UNLOCK (Actuator is acti- vated)	Battery voltage
					Other than UNLOCK (Actu- ator is not activated)	0 V
10 (BR)	Ground	Rear RH door and rear LH door UN- LOCK	Output	Rear RH door and rear LH door	UNLOCK (Actuator is acti- vated)	Battery voltage
					Other than UNLOCK (Actu- ator is not activated)	0 V
11 (R)	Ground	Battery power supply	Input	Ignition switch OFF		Battery voltage
13 (B)	Ground	Ground	—	Ignition switch ON		0 V
14 (W)	Ground	Push-button ignition switch illumination ground	Output	Tail lamp	OFF	0 V
					ON	<p>NOTE: When the illumination brighten- ing/dimming level is in the neutral position</p>  <p style="text-align: right;">JSNIA0010GB</p>
15 (Y)	Ground	ACC indicator lamp	Output	Ignition switch	OFF	Battery voltage
					ACC or ON	0 V

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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS >

Terminal No. (Wire color)		Description		Condition	Value (Approx.)	
+	-	Signal name	Input/ Output			
17 (W)	Ground	Turn signal (front RH)	Output	Ignition switch ON	Turn signal switch OFF	0 V
				Turn signal switch RH	 6.5 V	
18 (O)	Ground	Turn signal (front LH)	Output	Ignition switch ON	Turn signal switch OFF	0 V
				Turn signal switch LH	 6.5 V	
19 (V)	Ground	Room lamp timer control	Output	Interior room lamp	OFF	Battery voltage
				ON	0 V	
20 (V)	Ground	Turn signal (rear RH)	Output	Ignition switch ON	Turn signal switch OFF	0 V
				Turn signal switch RH	 6.5 V	
23 (G)	Ground	Trunk lid opening.	Output	Trunk lid	Open (Trunk lid opener actuator is activated)	Battery voltage
				Close (Trunk lid opener actuator is not activated)	0 V	
25 (G)	Ground	Turn signal (rear LH)	Output	Ignition switch ON	Turn signal switch OFF	0 V
				Turn signal switch LH	 6.5 V	
30 (R)	Ground	Trunk room lamp	Output	Trunk room lamp	ON	0 V
				OFF	Battery voltage	

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS >

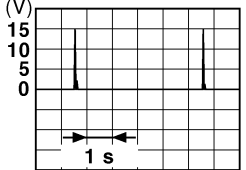
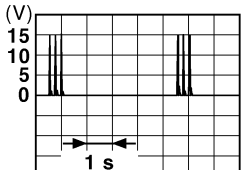
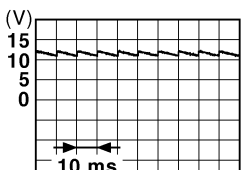
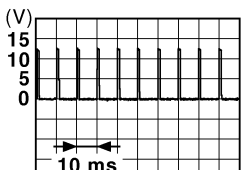
Terminal No. (Wire color)		Description		Condition	Value (Approx.)
		Signal name	Input/ Output		
+	-				
34 (SB)	Ground	Trunk room antenna 1 (-)	Output	Ignition switch OFF	<p style="text-align: right; font-size: small;">JMKIA0062GB</p>
				When Intelligent Key is not in the passenger compart- ment	<p style="text-align: right; font-size: small;">JMKIA0063GB</p>
35 (V)	Ground	Trunk room antenna 1 (+)	Output	Ignition switch OFF	<p style="text-align: right; font-size: small;">JMKIA0062GB</p>
				When Intelligent Key is not in the passenger compart- ment	<p style="text-align: right; font-size: small;">JMKIA0063GB</p>
38 (B)	Ground	Rear bumper anten- na (-)	Output	When the trunk lid request switch is operated with ignition switch OFF	<p style="text-align: right; font-size: small;">JMKIA0062GB</p>
				When Intelligent Key is not in the antenna detection area	<p style="text-align: right; font-size: small;">JMKIA0063GB</p>

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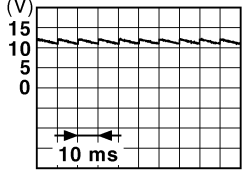
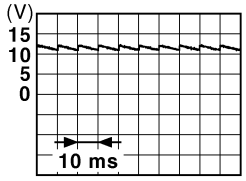
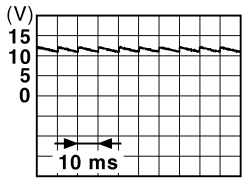
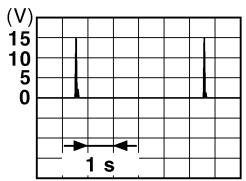
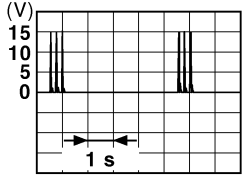
BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS >

Terminal No. (Wire color)		Description		Condition		Value (Approx.)
+	-	Signal name	Input/ Output			
39 (W)	Ground	Rear bumper antenna (+)	Output	When the trunk lid request switch is operated with ignition switch OFF	When Intelligent Key is in the antenna detection area	 <small>JMKIA0062GB</small>
					When Intelligent Key is not in the antenna detection area	 <small>JMKIA0063GB</small>
47 (Y)	Ground	Ignition relay (IPDM E/R) control	Output	Ignition switch	OFF or ACC	Battery voltage
					ON	0 V
50 (R)	Ground	Trunk room lamp switch	Input	Trunk room lamp switch	OFF (Trunk is closed)	 <small>JPMIA0011GB</small> 11.8 V
					ON (Trunk is open)	0 V
52 (SB)	Ground	Starter relay control	Output	Ignition switch OFF (M/T models)	When the clutch pedal is depressed	Battery voltage
					When the clutch pedal is not depressed	0 V
				Ignition switch ON (A/T models)	When selector lever is in P or N position and the brake is depressed	Battery voltage
					When selector lever is in P or N position and the brake is not depressed	0 V
61 (W)	Ground	Trunk request switch	Input	Trunk request switch	ON (Pressed)	0 V
					OFF (Not pressed)	 <small>JPMIA0016GB</small> 1.0 V
64 (V)	Ground	Request switch buzzer	Output	Request switch buzzer	Sounding	0 V
					Not sounding	Battery voltage

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS >

Terminal No. (Wire color)		Description		Condition	Value (Approx.)	
		Signal name	Input/ Output			
+	-					
67 (GR)	Ground	Trunk lid opener switch	Input	Trunk lid opener switch	Pressed	0 V
					Not pressed	 <p style="text-align: center;">11.8 V</p>
68 (BR)	Ground	Rear RH door switch	Input	Rear RH door switch	OFF (When rear RH door closes)	 <p style="text-align: center;">11.8 V</p>
					ON (When rear RH door opens)	0 V
69 (R)	Ground	Rear LH door switch	Input	Rear LH door switch	OFF (When rear LH door closes)	 <p style="text-align: center;">11.8 V</p>
					ON (When rear LH door opens)	0 V
72 (R)	Ground	Room antenna 2 (-) (center console)	Output	Ignition switch OFF	When Intelligent Key is in the passenger compart- ment	
					When Intelligent Key is not in the passenger compart- ment	

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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS >

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

Terminal No. (Wire color)		Description		Condition	Value (Approx.)
+	-	Signal name	Input/ Output		
76 (V)	Ground	Driver door antenna (-)	Output	When Intelligent Key is in the antenna detection area	<p 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 (LG)	Ground	Driver door antenna (+)	Output	When Intelligent Key is in the antenna detection area	<p style="text-align: right; font-size: small;">JMKIA0062GB</p>
				When Intelligent Key is not in the antenna detection area	<p style="text-align: right; font-size: small;">JMKIA0063GB</p>
78 (Y)	Ground	Room antenna (-) (in- strument panel)	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>

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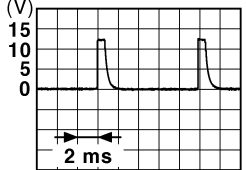
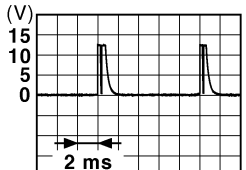
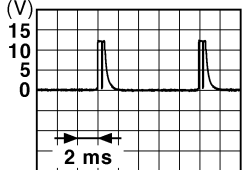
BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS >

Terminal No. (Wire color)		Description		Condition	Value (Approx.)	
+	-	Signal name	Input/ Output			
79 (BR)	Ground	Room antenna (+) (instrument panel)	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>	
80 (GR)	Ground	NATS antenna amp (built in key slot)	Input/ Output	During waiting	Ignition switch is pressed while inserting the Intelli- gent Key into the key slot.	Just after pressing ignition switch. Pointer of tester should move.
81 (W)	Ground	NATS antenna amp (built in key slot)	Input/ Output	During waiting	Ignition switch is pressed while inserting the Intelli- gent Key into the key slot.	Just after pressing ignition switch. Pointer of tester should move.
82 (R)	Ground	Ignition relay (relay box) control	Output	Ignition switch	OFF or ACC	0 V
				ON	Battery voltage	
83 (Y)	Ground	Remote keyless entry receiver signal	Input/ Output	During waiting		<p style="text-align: right; font-size: small;">JMKIA0064GB</p>
				When operating either button on Intelligent Key	<p style="text-align: right; font-size: small;">JMKIA0065GB</p>	

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS >

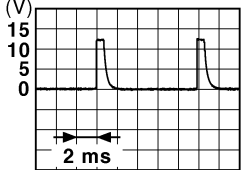
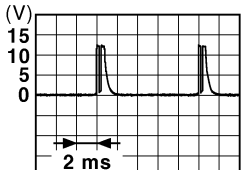

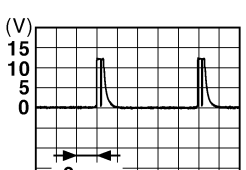
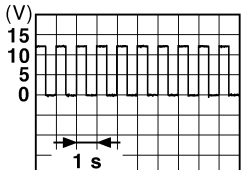
Terminal No. (Wire color)		Description		Condition	Value (Approx.)
+	-	Signal name	Input/ Output		
87 (BR)	Ground	Combination switch INPUT 5	Input	All switch OFF (Wiper intermittent dial 4)	 1.4 V
				Front fog lamp switch ON (Wiper intermittent dial 4)	 1.3 V
				Any of the conditions below with all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

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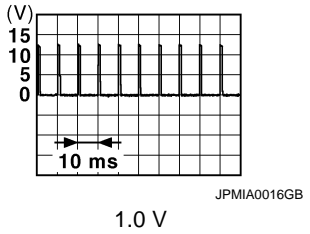
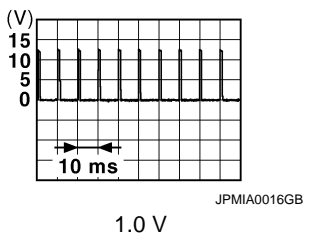
BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS >

Terminal No. (Wire color)		Description		Condition	Value (Approx.)	
+	-	Signal name	Input/ Output			
88 (V)	Ground	Combination switch INPUT 3	Input	Combination switch	All switch OFF (Wiper intermittent dial 4)	 <p style="text-align: right; font-size: small;">JPMIA0041GB</p> <p style="text-align: center;">1.4 V</p>
					Lighting switch HI (Wiper intermittent dial 4)	 <p style="text-align: right; font-size: small;">JPMIA0036GB</p> <p style="text-align: center;">1.3 V</p>
					Lighting switch 2ND (Wiper intermittent dial 4)	 <p style="text-align: right; font-size: small;">JPMIA0037GB</p> <p style="text-align: center;">1.3 V</p>
					Any of the conditions below with all switches OFF	<ul style="list-style-type: none"> • Wiper intermittent dial 1 • Wiper intermittent dial 2 • Wiper intermittent dial 3  <p style="text-align: right; font-size: small;">JPMIA0040GB</p> <p style="text-align: center;">1.3 V</p>
89 (BR)	Ground	Push-button ignition switch (push switch)	Input	Push-button igni- tion switch (push switch)	Pressed	0 V
					Not pressed	Battery voltage
90 (P)	Ground	CAN - L	Input/ Output	—	—	
91 (L)	Ground	CAN - H	Input/ Output	—	—	
92 (LG)	Ground	Key slot illumination	Output	Key slot illumina- tion	OFF	0 V
					Blinking	 <p style="text-align: right; font-size: small;">JPMIA0015GB</p> <p style="text-align: center;">6.5 V</p>
					ON	Battery voltage

BCM (BODY CONTROL MODULE)

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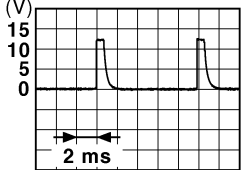

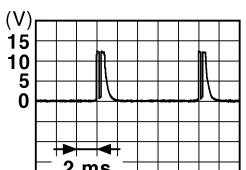
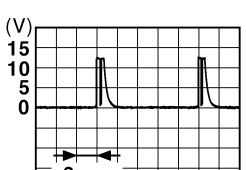
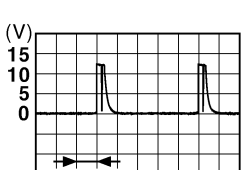
Terminal No. (Wire color)		Description		Condition		Value (Approx.)
+	-	Signal name	Input/ Output			
93 (V)	Ground	ON indicator lamp	Output	Ignition switch	OFF or ACC	0 V
					ON	Battery voltage
95 (O)	Ground	ACC relay control	Output	Ignition switch	OFF	0 V
					ACC or ON	Battery voltage
96 (GR)	Ground	A/T device (detention switch) power supply	Output	—		Battery voltage
97 (L)	Ground	Steering lock condition No. 1	Input	Steering lock	LOCK status	0 V
					UNLOCK status	Battery voltage
98 (P)	Ground	Steering lock condition No. 2	Input	Steering lock	LOCK status	Battery voltage
					UNLOCK status	0 V
99 (R)	Ground	Selector lever P position switch	Input	Selector lever	P position	0 V
					Any position other than P	Battery voltage
100 (G)	Ground	Passenger door request switch	Input	Passenger door request switch	ON (Pressed)	0 V
					OFF (Not pressed)	
101 (SB)	Ground	Driver door request switch	Input	Driver door request switch	ON (Pressed)	0 V
					OFF (Not pressed)	
102 (O)	Ground	Blower fan motor relay control	Output	Ignition switch	OFF or ACC	0 V
					ON	Battery voltage
103 (LG)	Ground	Remote keyless entry receiver power supply	Output	Ignition switch OFF		Battery voltage
106 (W)	Ground	Steering wheel lock unit power supply	Output	Ignition switch	OFF or ACC	Battery voltage
					ON	0 V

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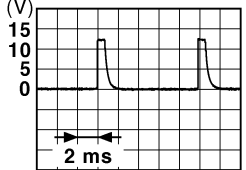
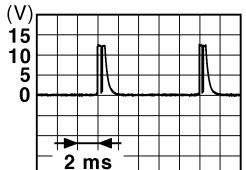
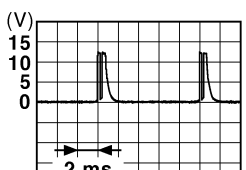
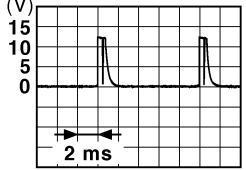
BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS >

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

BCM (BODY CONTROL MODULE)

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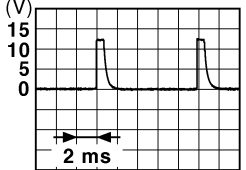

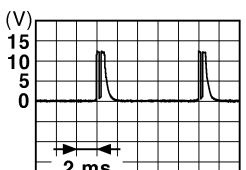
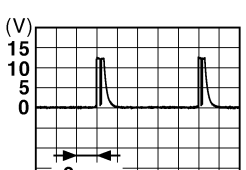
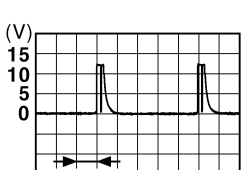
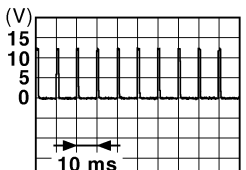
Terminal No. (Wire color)		Description		Condition	Value (Approx.)	
		Signal name	Input/ Output			
+	-					
108 (R)	Ground	Combination switch INPUT 4	Input	Combination switch	All switch OFF (Wiper intermittent dial 4)	 <p style="text-align: right; font-size: small;">JPMA0041GB</p> <p style="text-align: center;">1.4 V</p>
					Lighting switch AUTO (Wiper intermittent dial 4)	 <p style="text-align: right; font-size: small;">JPMA0038GB</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;">JPMA0036GB</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;">JPMA0039GB</p> <p style="text-align: center;">1.3 V</p>

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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS >

Terminal No. (Wire color)		Description		Condition	Value (Approx.)	
		Signal name	Input/ Output			
+	-					
109 (Y)	Ground	Combination switch INPUT 2	Input	Combination switch (Wiper intermittent dial 4)	All switch OFF	 1.4 V
					Lighting switch PASS	 1.3 V
					Lighting switch 2ND	 1.3 V
					Front wiper switch INT	 1.3 V
					Front wiper switch HI	 1.3 V
					Pressed	0 V
110 (G)	Ground	Hazard switch	Input	Hazard switch	Not pressed	 1.1 V

BCM (BODY CONTROL MODULE)

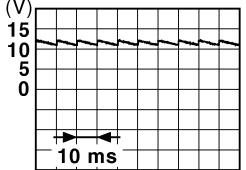
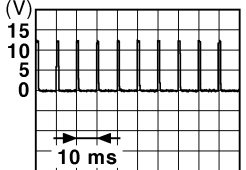
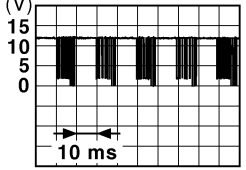
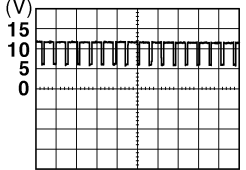
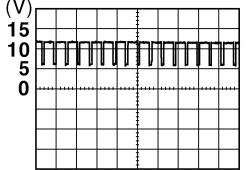
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Terminal No. (Wire color)		Description		Condition	Value (Approx.)	
+	-	Signal name	Input/ Output			
111 (Y)	Ground	Steering lock unit communication	Input/ Output	Steering lock	LOCK status	Battery voltage
					LOCK or UNLOCK	<p style="text-align: right; font-size: small;">JMKIA0066GB</p>
					For 15 seconds after UN- LOCK	Battery voltage
				15 seconds or later after UNLOCK	0 V	
113 (P)	Ground	Optical sensor signal	Input	Ignition switch ON	When bright outside of the vehicle	Close to 5 V
					When dark outside of the vehicle	Close to 0 V
114 (R)	Ground	Clutch interlock switch	Input	Clutch interlock switch	OFF (Clutch pedal is not depressed)	0 V
					ON (Clutch pedal is de- pressed)	Battery voltage
116 (SB)	Ground	Stop lamp switch 1	Input	—	Battery voltage	
118 (P)	Ground	Stop lamp switch 2	Input	Stop lamp switch	OFF (Brake pedal is not depressed)	0 V
					ON (Brake pedal is de- pressed)	Battery voltage
				ICC brake hold relay (With ICC)	OFF	0 V
					ON	Battery voltage
119 (SB)	Ground	Front door lock as- sembly driver side (unlock sensor)	Input	Driver door	LOCK status	<p style="text-align: right; font-size: small;">JPMIA0011GB</p>
					UNLOCK status	0 V
						11.8 V
121 (R)	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	
122 (V)	Ground	ACC feedback signal	Input	Ignition switch	OFF	0 V
					ACC or ON	Battery voltage
123 (W)	Ground	IGN feedback signal	Input	Ignition switch	OFF or ACC	0 V
					ON	Battery voltage

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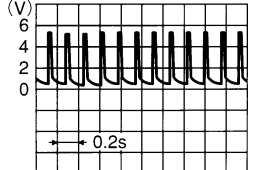

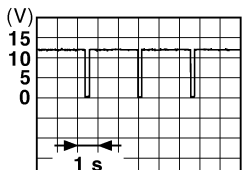
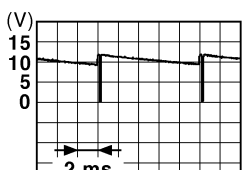

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS >

Terminal No. (Wire color)		Description		Condition		Value (Approx.)
+	-	Signal name	Input/ Output			
124 (LG)	Ground	Passenger door switch	Input	Passenger door switch	OFF (When passenger door closes)	 <p style="text-align: right; font-size: small;">JPMIA0011GB</p> <p style="text-align: center;">11.8 V</p>
					ON (When passenger door opens)	0 V
129 (O)	Ground	Trunk lid opener cancel switch	Input	Trunk lid opener cancel switch	CANCEL	 <p style="text-align: right; font-size: small;">JPMIA0012GB</p> <p style="text-align: center;">1.1 V</p>
					ON	0 V
132 (V)	Ground	Power window switch communication	Input/ Output	Ignition switch ON	 <p style="text-align: right; font-size: small;">JPMIA0013GB</p> <p style="text-align: center;">10.2 V</p>	
				Ignition switch OFF or ACC	0 V	
133 (W)	Ground	Push-button ignition switch illumination	Output	Push-button ignition switch illumination	<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>	
				ON (When tail lamps OFF)	5.5 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>	
OFF	0 V					
134 (GR)	Ground	LOCK indicator lamp	Output	LOCK indicator lamp	ON	0 V
				OFF	Battery voltage	
137 (O)	Ground	Receiver and sensor ground	Input	Ignition switch ON		0 V
138 (V)	Ground	Receiver and sensor power supply output	Output	Ignition switch	OFF	0 V
				ACC or ON	5.0 V	

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS >

Terminal No. (Wire color)		Description		Condition	Value (Approx.)							
+	-	Signal name	Input/ Output									
139 (L)	Ground	Tire pressure receiver signal	Input/ Output	Ignition switch ON	Standby state  OCC3881D							
				When receiving the signal from the transmitter  OCC3880D								
140 (GR)	Ground	Selector lever P/N position signal	Input	Selector lever	P or N position: 12.0 V Except P and N positions: 0 V							
				141 (G)	Ground	Security indicator signal	Output	Security indicator	Blinking  JPMIA0014GB 11.3 V			
		OFF	Battery voltage									
142 (O)	Ground	Combination switch OUTPUT 5	Output	Combination switch (Wiper intermittent dial 4)	All switch OFF: 0 V Lighting switch 1ST Lighting switch HI Lighting switch 2ND Turn signal switch RH  JPMIA0031GB 10.7 V							
				143 (P)	Ground	Combination switch OUTPUT 1	Output	Combination switch	All switch OFF (Wiper intermittent dial 4): 0 V Front wiper switch HI (Wiper intermittent dial 4) Any of the conditions below with all switch OFF: • Wiper intermittent dial 1 • Wiper intermittent dial 2 • Wiper intermittent dial 3 • Wiper intermittent dial 6 • Wiper intermittent dial 7  JPMIA0032GB 10.7 V			

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BCM (BODY CONTROL MODULE)

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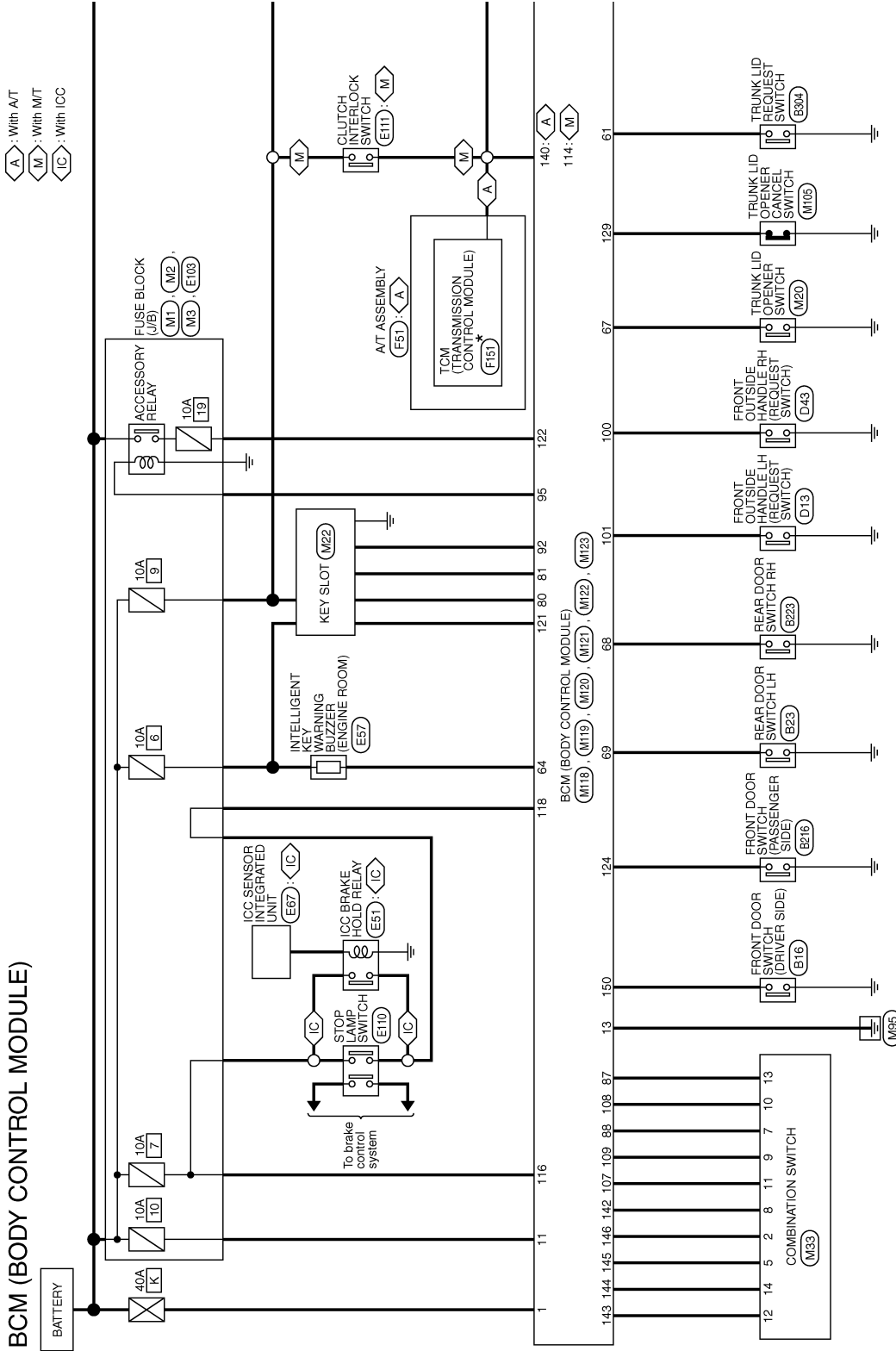
Terminal No. (Wire color)		Description		Condition	Value (Approx.)	
+	-	Signal name	Input/ Output			
144 (G)	Ground	Combination switch OUTPUT 2	Output	Combination switch	All switch OFF (Wiper intermittent dial 4)	0 V
					Front washer switch ON (Wiper intermittent dial 4)	<p style="text-align: right;">JPMIA0033GB</p>
Any of the conditions below with all switches OFF					10.7 V	
<ul style="list-style-type: none"> • Wiper intermittent dial 1 • Wiper intermittent dial 5 • Wiper intermittent dial 6 						
145 (L)	Ground	Combination switch OUTPUT 3	Output	Combination switch (Wiper intermit- tent dial 4)	All switches OFF	0 V
					Front wiper switch INT	<p style="text-align: right;">JPMIA0034GB</p>
					Front wiper switch LO	
					Lighting switch AUTO	
10.7 V						
146 (SB)	Ground	Combination switch OUTPUT 4	Output	Combination switch (Wiper intermit- tent dial 4)	All switch OFF	0 V
					Front fog lamp switch ON	<p style="text-align: right;">JPMIA0035GB</p>
					Lighting switch 2ND	
					Lighting switch PASS	
					Turn signal switch LH	
10.7 V						
149 (W)	Ground	Tire pressure warn- ing check switch	Input	—	5 V	
150 (GR)	Ground	Driver door switch	Input	Driver door switch	OFF (When driver door closes)	<p style="text-align: right;">JPMIA0011GB</p>
					ON (When driver door opens)	
151 (G)	Ground	Rear window defog- ger relay	Output	Rear window de- fogger	Active	0 V
					Not activated	Battery voltage

BCM (BODY CONTROL MODULE)

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Wiring Diagram — BCM —

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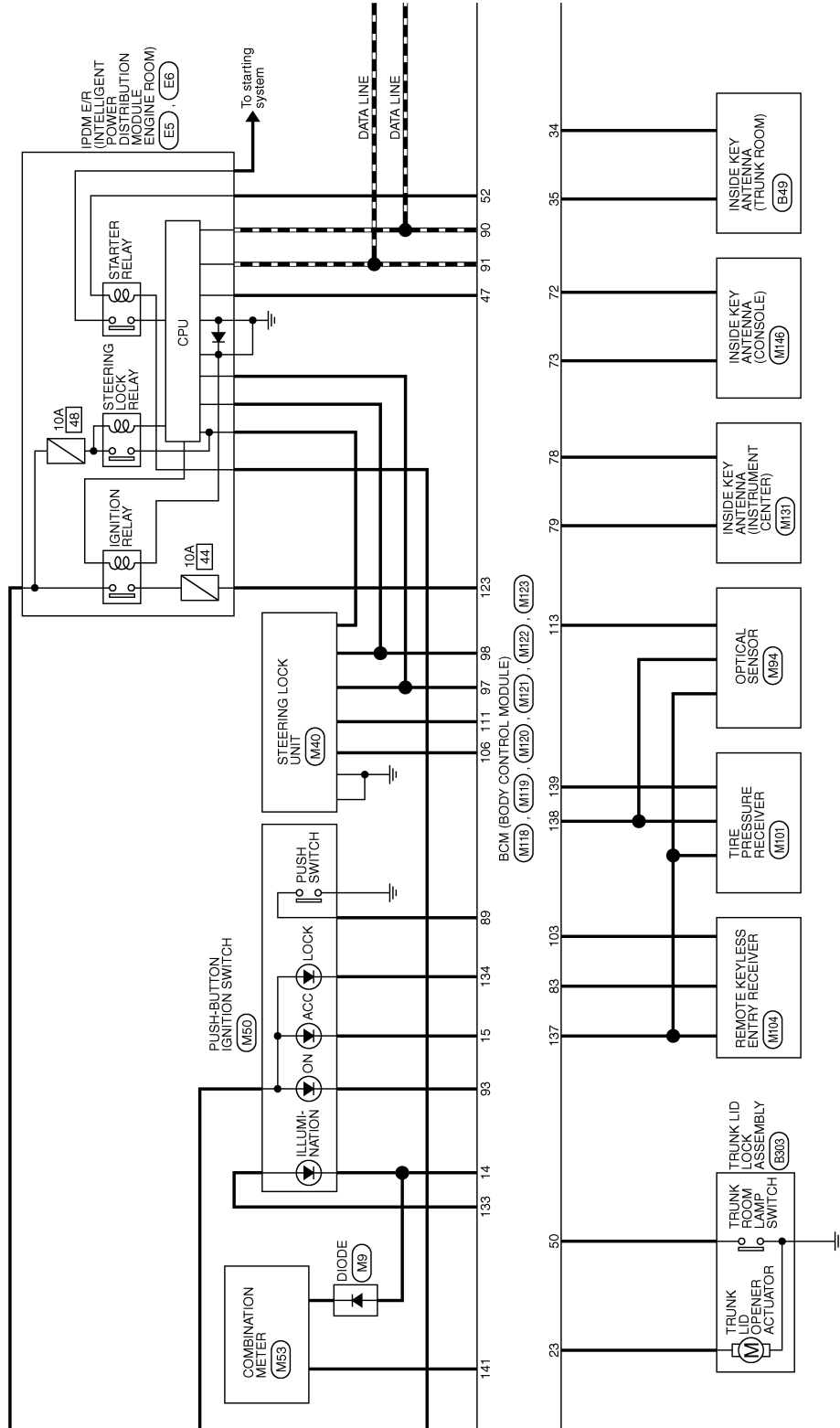
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BCM (BODY CONTROL MODULE)

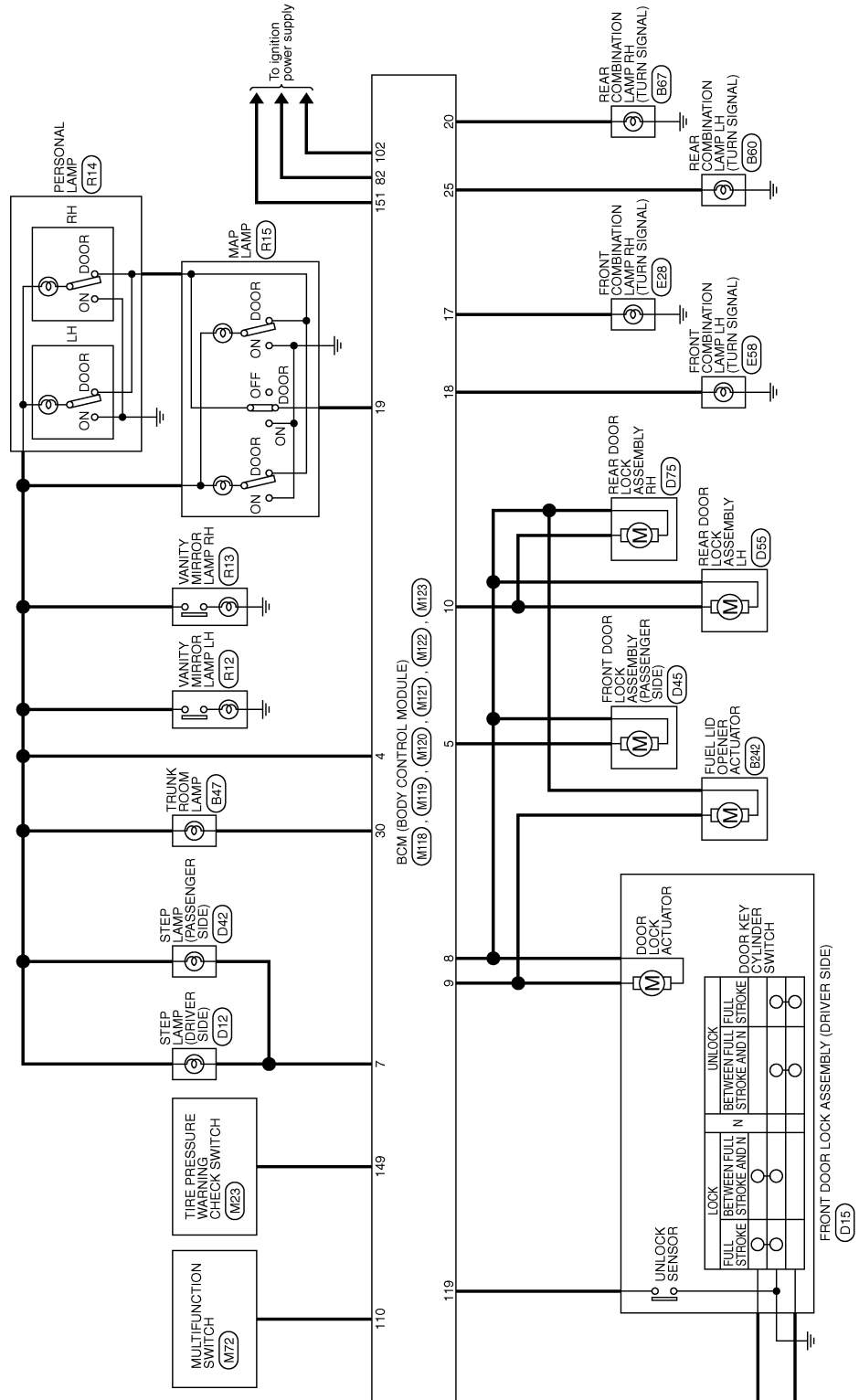
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BCM (BODY CONTROL MODULE)

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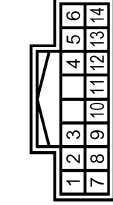
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BCM (BODY CONTROL MODULE)

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BCM (BODY CONTROL MODULE)

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



Terminal No.	Color of Wire	Signal Name
2	SB	OUTPUT 4
5	L	OUTPUT 3
7	V	INPUT 3
8	O	OUTPUT 5
9	Y	INPUT 2
10	R	INPUT 4
11	LG	INPUT 1
12	P	OUTPUT 1
13	BR	INPUT 5
14	G	OUTPUT 2

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



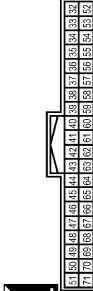
Terminal No.	Color of Wire	Signal Name
20	V	REAR FLASHER OUTPUT(RIGHT)
23	G	TRUNK OPENER OUTPUT
25	G	REAR FLASHER OUTPUT(LEFT)
30	R	TRUNK LAMP OUTPUT

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



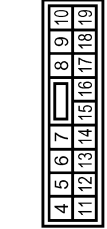
Terminal No.	Color of Wire	Signal Name
1	W	BAT (E/L)
2	Y	POWER WINDOW POWER SUPPLY(BAT)
3	O	POWER WINDOW POWER SUPPLY(BRAP)

Connector No.	M121
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FGY-NH



Terminal No.	Color of Wire	Signal Name
34	SB	TRUNK ANTI+
35	V	TRUNK ANTI-
38	B	BACK ANTI-
39	W	BACK ANTI+
47	Y	ING USM CONTI
50	R	TRUNK SW
52	SB	ST CONT USM
61	W	TRUNK REQUEST SW
64	V	BUZZER
67	GR	INTERIOR TRUNK SW
68	BR	DOOR SW (RR RH)

Connector No.	M119
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	NS19FW-CS



Terminal No.	Color of Wire	Signal Name
4	LG	BAT SAVER OUTPUT
5	V	DOOR UNLOCK OUTPUT (AS)
7	Y	STEER LAMP OUTPUT
8	V	DOOR LOCK OUTPUT (ALL)
9	G	DOOR UNLOCK OUTPUT (BR)
10	BR	DOOR UNLOCK OUTPUT (RR)
11	R	BAT (FUSE)
13	B	GND
14	W	RING/SW LED GND
15	Y	ACC LED
17	W	FRONT FLASHER OUTPUT(RIGHT)

69	R	DOOR SW (RR LH)
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18	O	FRONT FLASHER OUTPUT(LEFT)
19	V	ROOM LAMP OUTPUT

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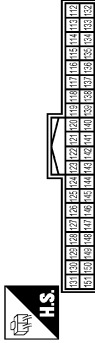
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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS >

133	W	RING/SW LED
134	GR	LOCK LED
137	O	SENSOR GND
138	V	AUTO LIGHT SENSOR POWER SUPPLY
139	L	RECEIVER SIGNAL
140	GR	SHIFT N/P
141	G	SECURITY INDICATOR OUTPUT
142	O	COMBI SW OUTPUT 5
143	P	COMBI SW OUTPUT 1
144	G	COMBI SW OUTPUT 2
145	L	COMBI SW OUTPUT 3
146	SB	COMBI SW OUTPUT 4
149	W	MODE TRG SW
150	GR	DOOR SW (DR)
151	G	REAR DEFOGGER OUTPUT

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

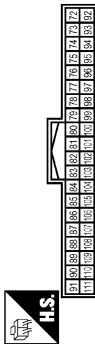


Terminal No.	Color of Wire	Signal Name
113	P	AUTO LIGHT SENSOR INPUT
114	R	CLUTCH SW
116	SB	STOP LAMP LOW
118	P	STOP LAMP HIGH
119	SB	DR CONDITION SW
121	R	KEY SWITCH SIGNAL
122	V	ACC F/B
123	W	IGN F/B
124	LG	DOOR SW (AS)
129	O	TRUNK CANCEL SW
132	V	POWER WINDOW SERIAL LINK

83	Y	KEYLESS TUNER SIGNAL
87	BR	COMBI SW INPUT 5
88	V	COMBI SW INPUT 3
89	BR	ENG SW
90	P	GAN-L
91	L	GAN-H
92	LG	KEY SLOT ILL
93	V	ON LED
95	O	ACC CONT
96	GR	A-T DEVICE
97	L	S/L CONDITION 1
98	P	S/L CONDITION 2
99	R	SHIFT P
100	G	AS REQUEST SW
101	SB	DR REQUEST SW
102	O	IGN2 CONT
103	LG	KEYLESS TUNER POWER SUPPLY
106	W	S/L 12V (CPU)
107	LG	COMBI SW INPUT 1
108	R	COMBI SW INPUT 4
109	Y	COMBI SW INPUT 2
110	G	HAZARD SW
111	Y	S/L (K LINE)

BCM (BODY CONTROL MODULE)

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



Terminal No.	Color of Wire	Signal Name
72	R	ROOM ANT2-
73	G	ROOM ANT2+
74	SB	AS DOOR ANT-
75	BR	AS DOOR ANT+
76	V	DR DOOR ANT-
77	LG	DR DOOR ANT+
78	Y	ROOM ANT1-
79	BR	ROOM ANT1+
80	GR	IMMOBI ANTENNA CONTROL
81	W	IMMOBI ANTENNA SIGNAL
82	R	IGN ELEC CONT

JCMWA0010GE

INFOID:000000000962601

Fail Safe

Display contents of CONSULT	Fail-safe	Cancellation
B2013: ID DISCORD BCM-S/L	Inhibit engine cranking	Erase DTC
B2014: CHAIN OF S/L-BCM	Inhibit engine cranking	Erase DTC
B2190: NATS ANTENNA AMP	Inhibit engine cranking	Erase DTC

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS >

Display contents of CONSULT	Fail-safe	Cancellation	
B2191: DIFFERENCE OF KEY	Inhibit engine cranking	Erase DTC	A
B2192: ID DISCORD BCM-ECM	Inhibit engine cranking	Erase DTC	
B2193: CHAIN OF BCM-ECM	Inhibit engine cranking	Erase DTC	B
B2557: VEHICLE SPEED	Inhibit steering lock	When normal vehicle speed signals have been received from ABS actuator and electric unit (control unit) for 500 ms	
B2560: STARTER CONT RELAY	Inhibit engine cranking	500 ms after the following CAN signal communication status has become consistent <ul style="list-style-type: none"> • Starter control relay signal • Starter relay status signal 	C
B2563: HI VOLTAGE	<ul style="list-style-type: none"> • Inhibit engine cranking • Inhibit steering lock 	500 ms after the power supply voltage decreases to less than 18 V	D
B2601: SHIFT POSITION	Inhibit steering lock	500 ms after the following signal reception status becomes consistent <ul style="list-style-type: none"> • Selector lever P position switch signal • P range signal (CAN) 	E
B2602: SHIFT POSITION	Inhibit steering lock	5 seconds after the following BCM recognition conditions are fulfilled <ul style="list-style-type: none"> • Ignition switch is in the ON position • Selector lever P position switch signal: Except P position (battery voltage) • Vehicle speed: 4 /h or more 	F
B2603: SHIFT POSI STATUS	Inhibit steering lock	500 ms after the following BCM recognition conditions are fulfilled <ul style="list-style-type: none"> • Ignition switch is in the ON position • Selector lever P position switch signal: Except P position (battery voltage) • Selector lever P/N position signal: Except P and N positions (0 V) 	G
B2604: PNP SW	Inhibit steering lock	500 ms after any of the following BCM recognition conditions is fulfilled <ul style="list-style-type: none"> • Status 1 <ul style="list-style-type: none"> - Ignition switch is in the ON position - Selector lever P/N position signal: P and N position (battery voltage) - P range signal or N range signal (CAN): ON • Status 2 <ul style="list-style-type: none"> - Ignition switch is in the ON position - Selector lever P/N position signal: Except P and N positions (0 V) - P range signal and N range signal (CAN): OFF 	H
B2605: PNP SW	Inhibit steering lock	500 ms after any of the following BCM recognition conditions is fulfilled <ul style="list-style-type: none"> • Ignition switch is in the ON position <ul style="list-style-type: none"> - Power position: IGN - Selector lever P/N position signal: Except P and N positions (0 V) - Interlock/PNP switch signal (CAN): OFF • Status 2 <ul style="list-style-type: none"> - Ignition switch is in the ON position - Selector lever P/N position signal: P or N position (battery voltage) - PNP switch signal (CAN): ON 	I
B2606: S/L RELAY	Inhibit engine cranking	500 ms after the following CAN signal communication status has become consistent <ul style="list-style-type: none"> • Steering lock relay signal (Request signal) • Steering lock relay signal (Condition signal) 	J
B2607: S/L RELAY	Inhibit engine cranking	500 ms after the following CAN signal communication status has become consistent <ul style="list-style-type: none"> • Steering lock relay signal (Request signal) • Steering lock relay signal (Condition signal) 	K

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BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS >

Display contents of CONSULT	Fail-safe	Cancellation
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)
B2609: S/L STATUS	<ul style="list-style-type: none"> • Inhibit engine cranking • Inhibit steering lock 	When the following steering lock conditions agree <ul style="list-style-type: none"> • BCM steering lock control status • Steering lock condition No. 1 signal status • Steering lock condition No. 2 signal status
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 is fulfilled <ul style="list-style-type: none"> • Power position changes to ACC • Receives engine status signal (CAN)
B2612: S/L STATUS	<ul style="list-style-type: none"> • Inhibit engine cranking • Inhibit steering lock 	When any of the following conditions is fulfilled <ul style="list-style-type: none"> • Steering lock unit status signal (CAN) is received normally • The BCM steering lock control status matches the steering lock status recognized by the steering lock unit status signal (CAN from IPDM E/R)
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
B2619: BCM	Inhibit engine cranking	1 second after the steering lock unit power supply output control inside BCM becomes normal
B261E: VEHICLE TYPE	Inhibit engine cranking	BCM initialization
B26E1: ENG STATE NO RECIV	Inhibit engine cranking	When any of the following conditions is fulfilled <ul style="list-style-type: none"> • Power position changes to ACC • Receives engine status signal (CAN)

DTC Inspection Priority Chart

INFOID:000000000962602

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

Priority	DTC
1	<ul style="list-style-type: none"> • B2562: LOW VOLTAGE • B2563: HI VOLTAGE
2	<ul style="list-style-type: none"> • U1000: CAN COMM CIRCUIT • U1010: CONTROL UNIT (CAN)
3	<ul style="list-style-type: none"> • B2190: NATS ANTENA AMP • B2191: DIFFERENCE OF KEY • B2192: ID DISCORD BCM-ECM • B2193: CHAIN OF BCM-ECM

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS >

Priority	DTC			
4	<ul style="list-style-type: none"> • B2013: ID DISCORD BCM-S/L • B2014: CHAIN OF S/L-BCM • 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 • B2606: S/L RELAY • B2607: S/L RELAY • B2608: STARTER RELAY • B2609: S/L STATUS • B260A: IGNITION RELAY • B260B: STEERING LOCK UNIT • B260C: STEERING LOCK UNIT • B260D: STEERING LOCK UNIT • B260F: ENG STATE SIG LOST • B2611: ACC RELAY • B2612: S/L STATUS • B2614: ACC RELAY CIRC • B2615: BLOWER RELAY CIRC • B2616: IGN RELAY CIRC • B2617: STARTER RELAY CIRC • B2618: BCM • B2619: BCM • B261A: PUSH-BTN IGN SW • B261E: VEHICLE TYPE • B26E1: ENG STATE NO RECIV • C1729: VHCL SPEED SIG ERR • U0415: VEHICLE SPEED SIG 	A		
		B		
		C		
		D		
		E		
		F		
		G		
		H		
		I		
		J		
	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 • C1712: [CHECKSUM ERR] FL • C1713: [CHECKSUM ERR] FR • C1714: [CHECKSUM ERR] RR • C1715: [CHECKSUM ERR] RL • C1716: [PRESSDATA ERR] FL • C1717: [PRESSDATA ERR] FR • C1718: [PRESSDATA ERR] RR • C1719: [PRESSDATA ERR] RL • C1720: [CODE ERR] FL • C1721: [CODE ERR] FR • C1722: [CODE ERR] RR • C1723: [CODE ERR] RL • C1724: [BATT VOLT LOW] FL • C1725: [BATT VOLT LOW] FR • C1726: [BATT VOLT LOW] RR • C1727: [BATT VOLT LOW] RL • C1734: CONTROL UNIT 	K	
			INL	
			M	
			N	
			O	
			P	
		6	<ul style="list-style-type: none"> • B2621: INSIDE ANTENNA • B2622: INSIDE ANTENNA • B2623: INSIDE ANTENNA 	

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS >

NOTE:

Details of time display

- CRNT: Displays when there is a malfunction now or after returning to the normal condition until turning ignition switch OFF → ON again.
- 1 - 39: Displayed if any previous malfunction is present when current condition is normal. It increases like 1 → 2 → 3...38 → 39 after returning to the normal condition whenever ignition switch OFF → ON. The counter remains at 39 even if the number of cycles exceeds it. It is counted from 1 again when turning ignition switch OFF → ON after returning to the normal condition if the malfunction is detected again.

CONSULT display	Fail-safe	Intelligent Key warning lamp ON	Tire pressure monitor warning lamp ON	Reference page
No DTC is detected. further testing may be required.	—	—	—	—
U1000: CAN COMM CIRCUIT	—	—	—	BCS-33
U1010: CONTROL UNIT (CAN)	—	—	—	BCS-34
U0415: VEHICLE SPEED SIG	—	—	—	BCS-35
B2013: ID DISCORD BCM-S/L	×	—	—	SEC-43
B2014: CHAIN OF S/L-BCM	×	—	—	SEC-44
B2190: NATS ANTENNA AMP	×	—	—	SEC-37
B2191: DIFFERENCE OF KEY	×	—	—	SEC-40
B2192: ID DISCORD BCM-ECM	×	—	—	SEC-41
B2193: CHAIN OF BCM-ECM	×	—	—	SEC-42
B2553: IGNITION RELAY	—	—	—	PCS-48
B2555: STOP LAMP	—	—	—	SEC-47
B2556: PUSH-BTN IGN SW	—	×	—	SEC-49
B2557: VEHICLE SPEED	×	×	—	SEC-51
B2560: STARTER CONT RELAY	×	×	—	SEC-52
B2562: LOW VOLTAGE	—	—	—	BCS-36
B2563: HI VOLTAGE	×	×	—	BCS-37
B2601: SHIFT POSITION	×	×	—	SEC-53
B2602: SHIFT POSITION	×	×	—	SEC-56
B2603: SHIFT POSI STATUS	×	×	—	SEC-58
B2604: PNP SW	×	×	—	SEC-61
B2605: PNP SW	×	×	—	SEC-63
B2606: S/L RELAY	×	×	—	SEC-65
B2607: S/L RELAY	×	×	—	SEC-66
B2608: STARTER RELAY	×	×	—	SEC-68
B2609: S/L STATUS	×	×	—	SEC-70
B260A: IGNITION RELAY	×	×	—	PCS-50
B260B: STEERING LOCK VNIT	—	×	—	SEC-74
B260C: STEERING LOCK VNIT	—	×	—	SEC-75
B260D: STEERING LOCK VNIT	—	×	—	SEC-76
B260F: ENG STATE SIG LOST	×	×	—	SEC-77
B2611: ACC RELAY	—	—	—	PCS-52
B2612: S/L STATUS	×	×	—	SEC-79
B2614: ACC RELAY CIRC	—	×	—	PCS-54
B2615: BLOWER RELAY CIRC	—	×	—	PCS-57

BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS >

CONSULT display	Fail-safe	Intelligent Key warning lamp ON	Tire pressure monitor warning lamp ON	Reference page	
B2616: IGN RELAY CIRC	—	×	—	PCS-60	A
B2617: STARTER RELAY CIRC	×	×	—	SEC-83	B
B2618: BCM	×	×	—	PCS-63	
B2619: BCM	×	×	—	SEC-85	C
B261A: PUSH-BTN IGN SW	—	×	—	SEC-86	
B261E: VEHICLE TYPE	×	× (Turn ON for 15 seconds)	—	SEC-88	D
B2621: INSIDE ANTENNA	—	—	—	DLK-58	
B2622: INSIDE ANTENNA	—	—	—	DLK-60	
B2623: INSIDE ANTENNA	—	—	—	DLK-62	E
B26E1: ENG STATE NO RES	×	×	—	SEC-78	
C1704: LOW PRESSURE FL	—	—	×	WT-14	F
C1705: LOW PRESSURE FR	—	—	×	WT-14	
C1706: LOW PRESSURE RR	—	—	×	WT-14	
C1707: LOW PRESSURE RL	—	—	×	WT-14	G
C1708: [NO DATA] FL	—	—	×	WT-16	
C1709: [NO DATA] FR	—	—	×	WT-16	
C1710: [NO DATA] RR	—	—	×	WT-16	H
C1711: [NO DATA] RL	—	—	×	WT-16	
C1712: [CHECKSUM ERR] FL	—	—	×	WT-19	I
C1713: [CHECKSUM ERR] FR	—	—	×	WT-19	
C1714: [CHECKSUM ERR] RR	—	—	×	WT-19	
C1715: [CHECKSUM ERR] RL	—	—	×	WT-19	J
C1716: [PRESSDATA ERR] FL	—	—	×	WT-22	
C1717: [PRESSDATA ERR] FR	—	—	×	WT-22	
C1718: [PRESSDATA ERR] RR	—	—	×	WT-22	K
C1719: [PRESSDATA ERR] RL	—	—	×	WT-22	
C1720: [CODE ERR] FL	—	—	×	WT-24	INL
C1721: [CODE ERR] FR	—	—	×	WT-24	
C1722: [CODE ERR] RR	—	—	×	WT-24	
C1723: [CODE ERR] RL	—	—	×	WT-24	M
C1724: [BATT VOLT LOW] FL	—	—	×	WT-27	
C1725: [BATT VOLT LOW] FR	—	—	×	WT-27	
C1726: [BATT VOLT LOW] RR	—	—	×	WT-27	N
C1727: [BATT VOLT LOW] RL	—	—	×	WT-27	
C1729: VHCL SPEED SIG ERR	—	—	×	WT-30	O
C1734: CONTROL UNIT	—	—	×	WT-31	P

COMBINATION METER

< ECU DIAGNOSIS >

COMBINATION METER

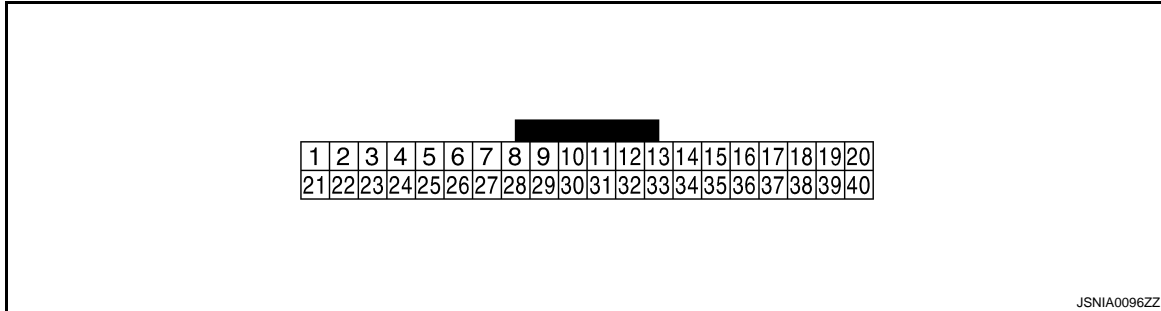
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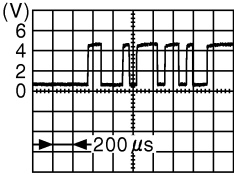
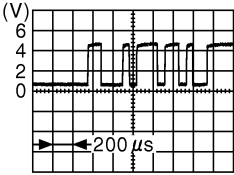
VALUES ON THE DAIAGNOSIS TOOL

Refer to [MWI-80. "Reference Value"](#).

TERMINAL LAYOUT

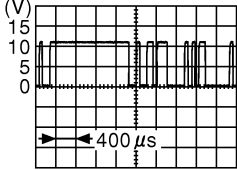
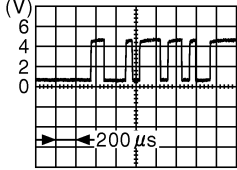
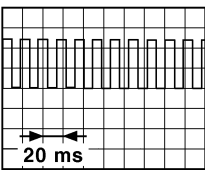
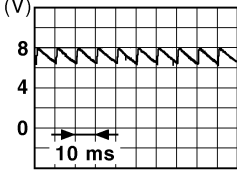
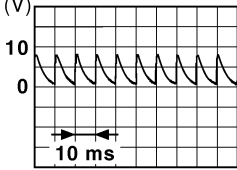


PHYSICAL VALUES

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

COMBINATION METER

< ECU DIAGNOSIS >

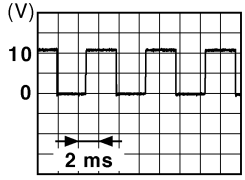


Terminal No. (Wire color)		Description		Condition		Value (Approx.)
+	-	Signal name	Input/ Output			
16 (B)	Ground	Meter control switch ground	—	Ignition switch ON	—	0 V
21 (R)	Ground	Ignition signal	Input	Ignition switch ON	—	12 V
22 (B)	Ground	Ground	—	Ignition switch ON	—	0 V
24 (BR)	Ground	Communication signal (LCD→ AMP.)	Output	Ignition switch ON	—	 <small>JSNIA0028GB</small>
25 (Y)	Ground	Communication signal (AMP.→ LCD)	Input	Ignition switch ON	—	 <small>JSNIA0027GB</small>
26 (R)	Ground	Vehicle speed signal (8-pulse)	Input	Ignition switch ON	Speedometer operated [When vehicle speed is approx. 40 km/h (25 MPH)]	<p>NOTE: The maximum voltage varies depending on the specification (destination unit).</p>  <small>JSNIA0012GB</small>
27 (V)	Ground	Parking brake switch signal	Input	Ignition switch ON	Parking brake ON	0 V
					Parking brake OFF	 <small>JSNIA0007GB</small>
28 (W)	Ground	Brake fluid level switch signal	Input	Ignition switch ON	Brake fluid level is normal.	 <small>JSNIA0008GB</small>
					The brake fluid level is lower than the low level	0 V

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COMBINATION METER

< ECU DIAGNOSIS >

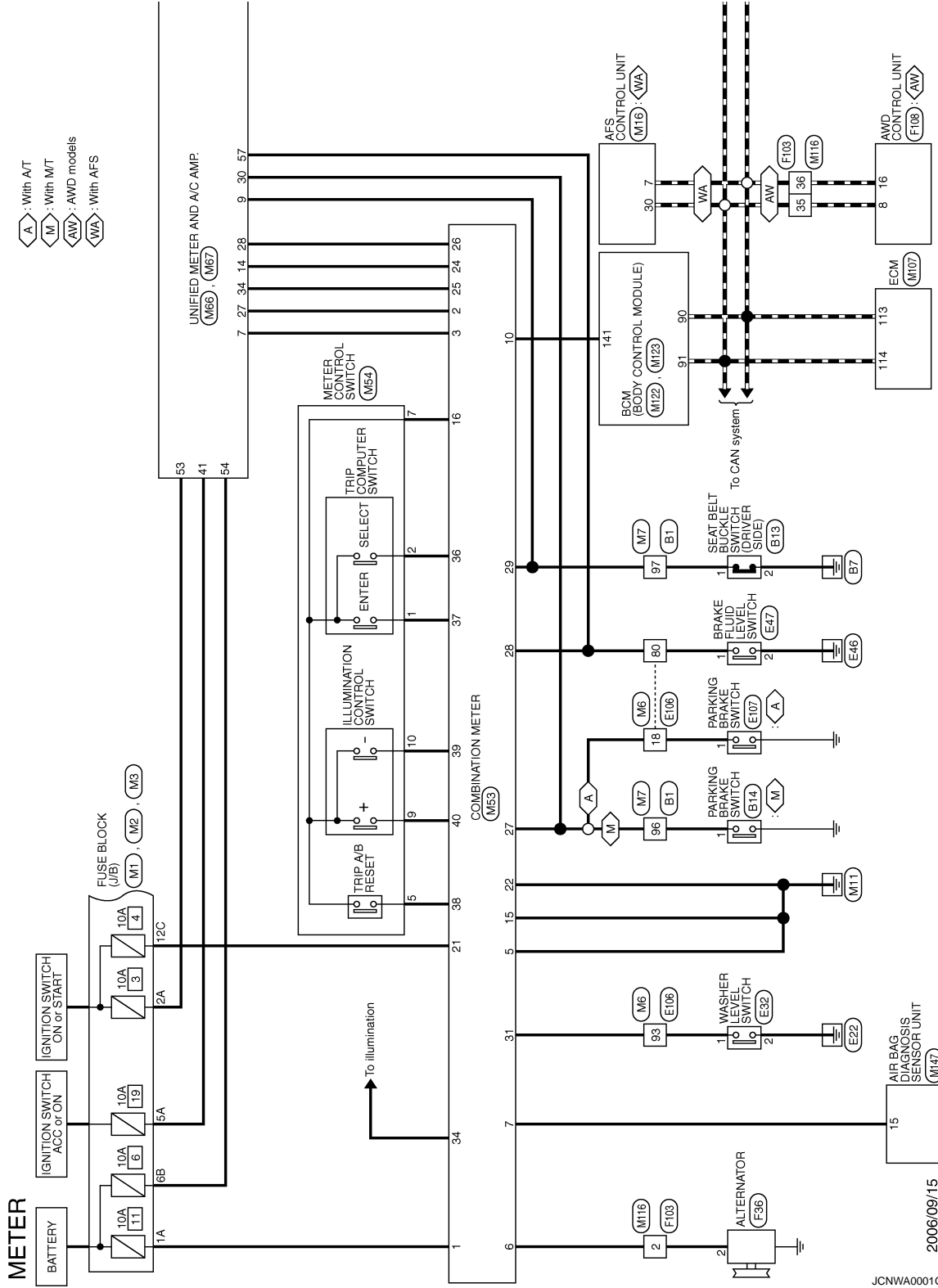
Terminal No. (Wire color)		Description		Condition		Value (Approx.)
+	-	Signal name	Input/ Output			
29 (SB)	Ground	Seat belt buckle switch signal (driver side)	Input	Ignition switch ON	When driver seat belt is fastened	12 V
					When driver seat belt is unfastened	0 V
31 (L)	Ground	Washer level switch signal	Input	Ignition switch ON	Washer level switch ON	0 V
					Washer level switch OFF	5 V
34 (R)	Ground	Illumination control signal	Output	Ignition switch ON	Lighting switch ON, then operate the illumination control switch.	<p>NOTE: When brightness level is midway</p>  <p style="text-align: right;">JSNIA0010GB</p>
36 (LG)	16 (B)	Select switch signal	Input	Ignition switch ON	When ● is pressed	0 V
					Other than the above	5 V
37 (SB)	16 (B)	Enter switch signal	Input	Ignition switch ON	When □ is pressed	0 V
					Other than the above	5 V
38 (L)	16 (B)	Trip A/B reset switch signal	Input	Ignition switch ON	When trip A/B reset switch is pressed	0 V
					Other than the above	5 V
39 (P)	16 (B)	Illumination control switch signal (-)	Input	Ignition switch ON	When  switch is pressed	0 V
					Other than the above	5 V
40 (O)	16 (B)	Illumination control switch signal (+)	Input	Ignition switch ON	When  switch is pressed	0 V
					Other than the above	5 V

COMBINATION METER

< ECU DIAGNOSIS >

Wiring Diagram — METER —

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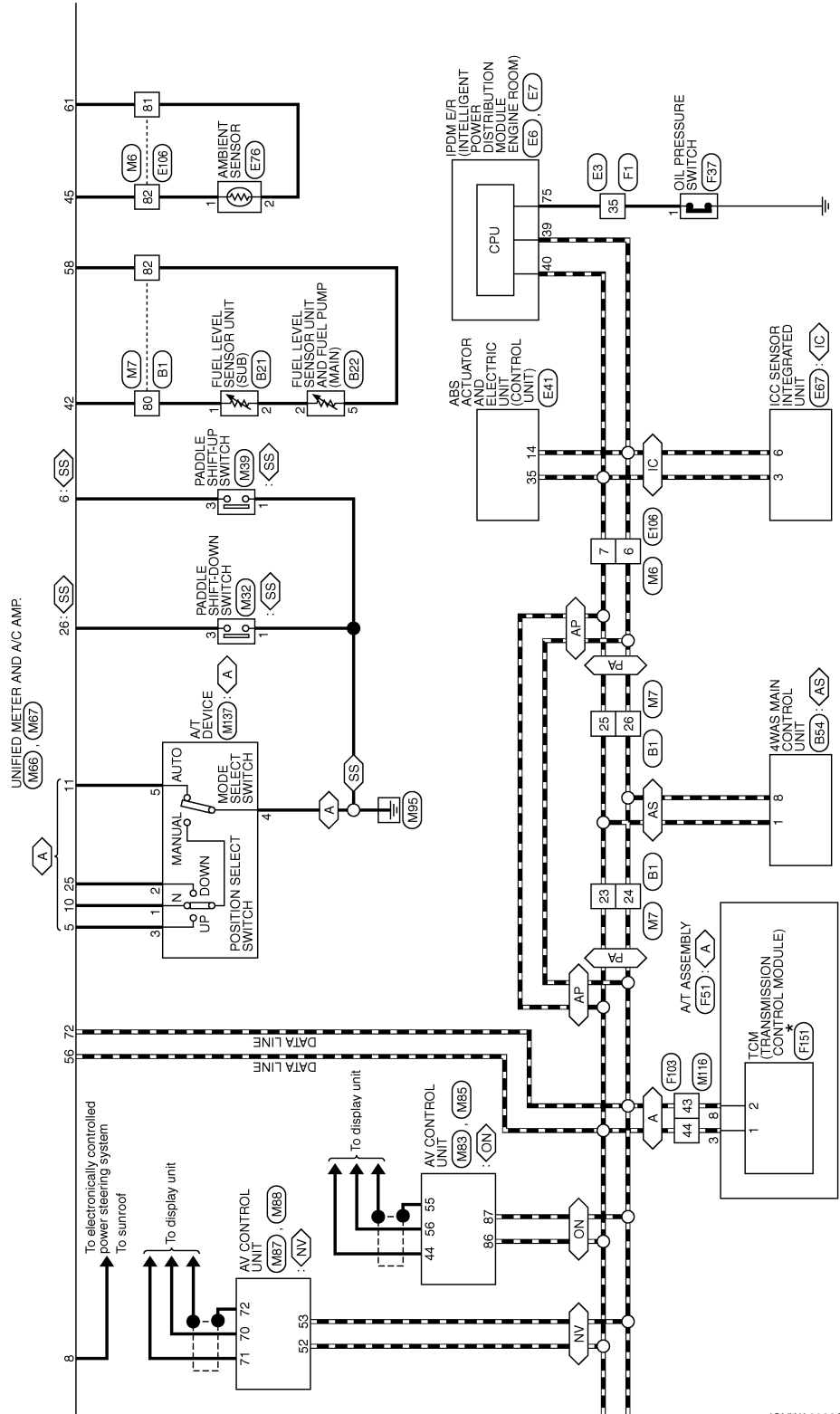
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COMBINATION METER

< ECU DIAGNOSIS >

- ◊ A : With A/T
- ◊ NV : With NAVI
- ◊ ON : Without NAVI
- ◊ IC : With ICC
- ◊ AS : With 4WAS
- ◊ PA : With automatic drive positioner or 4WAS
- ◊ AP : Without automatic drive positioner and 4WAS
- ◊ SS : With paddle shifter switch

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

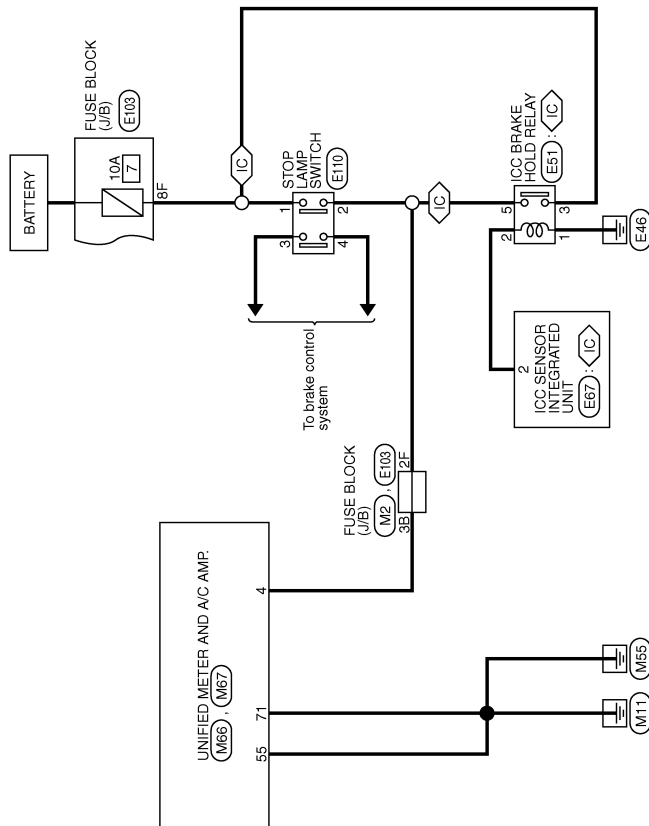


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COMBINATION METER

< ECU DIAGNOSIS >

⬡: With ICC



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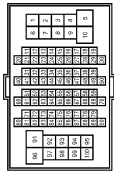




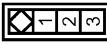





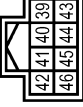

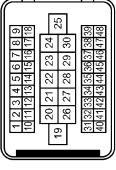

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COMBINATION METER

< ECU DIAGNOSIS >

METER

Connector No. B1	WIRE TO WIRE TH08FW-TM4		Terminal No.	Color of Wire	Signal Name
Connector Name			23	L	-
Connector Type			24	P	-
			25	L	-
			26	P	-
			80	Y	-
			82	B	-
			96	V	-
			97	SB	-
Connector No.	B21		Terminal No.	Color of Wire	Signal Name
Connector Name	FUEL LEVEL SENSOR UNIT (SUB)		1	Y	-
Connector Type	E02FGY-RS		2	W	-
Connector No.	B14		Terminal No.	Color of Wire	Signal Name
Connector Name	PARKING BRAKE SWITCH		1	V	-
Connector Type	P01FB-A				
Connector No.	B13		Terminal No.	Color of Wire	Signal Name
Connector Name	SEAT BELT BUCKLE SWITCH (DRIVER SIDE)		1	SB	-
Connector Type	A03FW		2	B	-
Connector No.	B54		Terminal No.	Color of Wire	Signal Name
Connector Name	4WS MAIN CONTROL UNIT		1	L	CAN-H
Connector Type	A30FW-M4		8	P	CAN-L
Connector No.	B22		Terminal No.	Color of Wire	Signal Name
Connector Name	FUEL LEVEL SENSOR UNIT AND FUEL PUMP (MAIN)		2	W	-
Connector Type	E02FGY-RS		5	B	-
Connector No.	E6		Terminal No.	Color of Wire	Signal Name
Connector Name	IPDM F/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)		39	P	-
Connector Type	TH08FW-NH		40	L	-
Connector No.	E5		Terminal No.	Color of Wire	Signal Name
Connector Name	WIRE TO WIRE		35	Y	-
Connector Type	SA430MB-RS10-SJZ2				

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COMBINATION METER

< ECU DIAGNOSIS >

METER

Connector No. E7	IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)	TH20FW-CS12-M4		Terminal No. 75	Color of Wire Y	Signal Name -
Connector No. E47	BRAKE FLUID LEVEL SWITCH	YV02F5Y		Terminal No. 1 2	Color of Wire W B/W	Signal Name -
Connector No. E41	ABS ACTUATOR AND ELECTRIC UNIT	BAA42FB-AH24-LH		Terminal No. 14 35	Color of Wire P L	Signal Name CAN-L CAN-H
Connector No. E32	WASHER LEVEL SWITCH	Z02FBR		Terminal No. 1 2	Color of Wire LG B	Signal Name -
Connector No. E51	ICC BRAKE HOLD RELAY	HS20FL-M2		Terminal No. 1 2 3 R P	Color of Wire B V V R P	Signal Name -
Connector No. E76	AMBIENT SENSOR	RS02FB		Terminal No. 1 2	Color of Wire G P	Signal Name -
Connector No. E67	ICC SENSOR INTEGRATED UNIT	RS06FB-PR		Terminal No. 2 3 L 6	Color of Wire V L P	Signal Name BRK LMP RLY CAN-H CAN-L
Connector No. E103	FUSE BLOCK (J/B)	NS18FW-S5		Terminal No. 2F 8F	Color of Wire W L	Signal Name -

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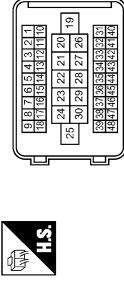
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COMBINATION METER

< ECU DIAGNOSIS >

METER

Connector No.	F1
Connector Name	WIRE TO WIRE
Connector Type	SAA38FB-RS10-SJZ2



Terminal No.	Color of Wire	Signal Name
35	Y	-

Connector No.	E110
Connector Name	STOP LAMP SWITCH
Connector Type	MQ4FW-LC



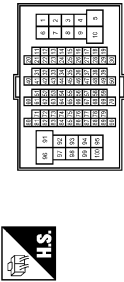
Terminal No.	Color of Wire	Signal Name
1	L	-
2	W	-
3	L	-
4	SB	-

Connector No.	E107
Connector Name	PARKING BRAKE SWITCH (A/T)
Connector Type	TE01FW



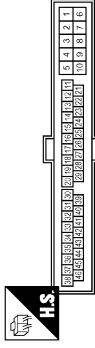
Terminal No.	Color of Wire	Signal Name
1	O	-

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



Terminal No.	Color of Wire	Signal Name
6	P	-
7	L	-
18	O	-
80	W	-
81	P	-
82	G	-
93	LG	-

Connector No.	F103
Connector Name	WIRE TO WIRE
Connector Type	TK38FW-NS10



Terminal No.	Color of Wire	Signal Name
2	G	-
35	L	-
36	P	-
43	P	-
44	L	-

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



Terminal No.	Color of Wire	Signal Name
3	L	-
8	P	-

Connector No.	F37
Connector Name	OIL PRESSURE SWITCH
Connector Type	ED1FGY-RS-AR



Terminal No.	Color of Wire	Signal Name
1	Y	-

Connector No.	F38
Connector Name	ALTERNATOR
Connector Type	HS38FB



Terminal No.	Color of Wire	Signal Name
2	G	L

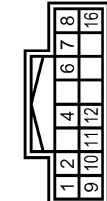
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COMBINATION METER

< ECU DIAGNOSIS >


METER

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



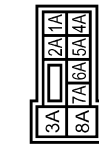
Terminal No.	Color of Wire	Signal Name
8	L	CAN-H
16	P	CAN-L

Connector No.	F151
Connector Name	TCM (TRANSMISSION CONTROL MODULE)
Connector Type	SF10FEGY




Terminal No.	Color of Wire	Signal Name
1	BR	CAN-H
2	L/Y	CAN-L

Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS09FW-M2



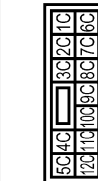
Terminal No.	Color of Wire	Signal Name
1A	GR	-
2A	G	-
5A	V	-

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



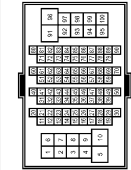
Terminal No.	Color of Wire	Signal Name
3B	P	-
6B	Y	-

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



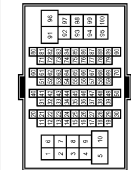
Terminal No.	Color of Wire	Signal Name
12C	R	-

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH80MM-CS19-TM4



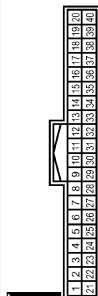
Terminal No.	Color of Wire	Signal Name
6	P	-
7	L	-
18	V	-
80	W	-
81	BR	-
82	P	-
93	L	-

Connector No.	M7
Connector Name	WIRE TO WIRE
Connector Type	TH80MM-CS16-TM4



Terminal No.	Color of Wire	Signal Name
23	L	-
24	P	-
25	L	-
26	P	-
80	Y	-
82	B	-
96	V	-
97	SB	-

Connector No.	M16
Connector Name	AFS CONTROL UNIT
Connector Type	TH40FW-NH



Terminal No.	Color of Wire	Signal Name
7	P	CAN-L
30	L	CAN-H

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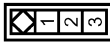
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COMBINATION METER

< ECU DIAGNOSIS >

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Connector No.	M32
Connector Name	PADDLE SHIFTER (SHIFT DOWN)
Connector Type	AC3FW



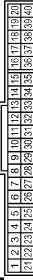
Terminal No.	Color of Wire	Signal Name
1	W	-
2	W	-
3	G	-

Connector No.	M39
Connector Name	PADDLE SHIFTER (SHIFT UP)
Connector Type	AC4FW



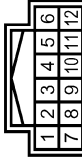
Terminal No.	Color of Wire	Signal Name
1	W	-
2	W	-
3	O	-

Connector No.	M63
Connector Name	COMBINATION METER
Connector Type	SAB40FW



Terminal No.	Color of Wire	Signal Name
1	GR	BAT
2	LG	COMM (METER->AMP)
3	GR	COMM (AMP->METER)
5	B	GND
6	W	ALTERNATOR
7	LG	AIR BAG
10	G	SECURITY
15	B	GND
16	B	METER CONTROL SW GND
21	R	IGN
22	B	GND

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



Terminal No.	Color of Wire	Signal Name
1	SB	-
2	LG	-
5	L	-
7	B	-
9	O	-
10	P	-

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



Terminal No.	Color of Wire	Signal Name
4	P	STOP LAMP SW
5	L	SHIFT UP SW
6	O	PADDLE UP
7	GR	COMM (AMP->METER)
8	L	VEHICLE SPEED (2-PULSE)
9	SB	SEAT BELT BUCKLE SW (DRIVER SIDE)
10	W	MANUAL MODE SW
11	G	AUTO MODE SW
14	BR	COMM (LCD->AMP)
25	V	SHIFT DOWN SW
26	G	PADDLE DOWN

24	BR	COMM (LCD->AMP)
25	Y	COMM (AMP->LCD)
26	R	VEHICLE SPEED (8-PULSE)
27	V	PARKING BRAKE SW
28	W	BRAKE FLUID LEVEL SW
29	SB	SEAT BELT BUCKLE SW (DRIVER SIDE)
31	L	WASHER LEVEL SW
34	R	ILLUMINATION CONTROL
36	LG	SELECT SW
37	SB	ENTER SW
38	L	TRIP A/B RESET SW
39	P	ILLUMINATION CONTROL SW (-)
40	O	ILLUMINATION CONTROL SW (+)

27	LG	COMM (METER->AMP)
28	R	VEHICLE SPEED (8-PULSE)
30	V	PARKING BRAKE SW
34	Y	COMM (AMP->LCD)

COMBINATION METER

< ECU DIAGNOSIS >

METER

Connector No.	M87
Connector Name	UNIFIED METER AND A/C AMP.
Connector Type	TH2FW-NH

Terminal No.	Color of Wire	Signal Name
41	V	ACC
42	Y	FUEL LEVEL SENS
43	P	AMB SENS
44	G	IGN
45	Y	BAT
46	B	GND
47	L	CAN-H
48	W	BRAKE FLUID LEVEL SW
49	B	FUEL LEVEL SENS GND
50	BR	AMB SENS GND
51	B	GND

Terminal No.	Color of Wire	Signal Name
52	L	CAN-H
53	P	CAN-L

Connector No.	M87
Connector Name	AV CONTROL UNIT
Connector Type	TH2FW-NH

Terminal No.	Color of Wire	Signal Name
54	L	CAN-H
55	P	CAN-L

Terminal No.	Color of Wire	Signal Name
52	L	CAN-H
53	P	CAN-L

Terminal No.	Color of Wire	Signal Name
72	P	CAN-L

Connector No.	M83
Connector Name	AV CONTROL UNIT
Connector Type	TH2FW-NH

Terminal No.	Color of Wire	Signal Name
44	BR	COMM (DISP->CONT)
55	SHIELD	SHIELD
56	Y	COMM (CONT->DISP)

Terminal No.	Color of Wire	Signal Name
36	L	CAN-H
37	P	CAN-L

Connector No.	M107
Connector Name	ECM
Connector Type	MAA24FGY-NEA8-LH-Z

Terminal No.	Color of Wire	Signal Name
113	P	VHECANL1
114	L	VHECANLH1

Terminal No.	Color of Wire	Signal Name
2	W	-
35	L	-
36	P	-
43	P	-
44	L	-

Connector No.	M85
Connector Name	AV CONTROL UNIT
Connector Type	TH2FW-NH

Terminal No.	Color of Wire	Signal Name
36	L	CAN-H
37	P	CAN-L

Terminal No.	Color of Wire	Signal Name
36	L	CAN-H
37	P	CAN-L

Connector No.	M116
Connector Name	WIRE TO WIRE
Connector Type	TK38NW-1S10

Terminal No.	Color of Wire	Signal Name
2	W	-
35	L	-
36	P	-
43	P	-
44	L	-

Terminal No.	Color of Wire	Signal Name
2	W	-
35	L	-
36	P	-
43	P	-
44	L	-

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COMBINATION METER

< ECU DIAGNOSIS >

METER

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

Terminal No.	Color of Wire	Signal Name
90	P	CAN-L
91	L	CAN-H

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

Terminal No.	Color of Wire	Signal Name
141	G	SECURITY INDICATOR OUTPUT

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

Terminal No.	Color of Wire	Signal Name
1	W	-
2	V	-
3	L	-
4	B	-
5	G	-

Connector No.	M147
Connector Name	AIR BAG DIAGNOSIS SENSOR UNIT
Connector Type	TK28FY-EX-5C

Terminal No.	Color of Wire	Signal Name
15	LG	AIR BAG W/L

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Fail Safe

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FAIL SAFE

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

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

COMBINATION METER

< ECU DIAGNOSIS >

Function		Specifications	
Speedometer		Reset to zero by suspending communication.	A
Tachometer			B
Fuel gauge			C
Water temperature gauge			D
Illumination control		When suspending communication, change to nighttime mode.	E
Information display		The display turns off by suspending communication.	F
Buzzer		The buzzer turns off by suspending communication.	G
Warning lamp/indicator lamp	ABS warning lamp	The lamp turns on by suspending communication.	H
	VDC OFF indicator lamp		I
	SLIP indicator lamp		J
	Brake warning lamp		K
	CRUISE warning lamp		L
	BA warning lamp		M
	High beam indicator	The lamp turns off by suspending communication.	N
	Turn signal indicator lamp		O
	Front fog indicator lamp		P
	Oil pressure warning lamp		Q
	Malfunction indicator lamp		R
	A/T CHECK warning lamp		S
	AWD warning lamp		T
	Low tire pressure warning lamp		U
	Key warning lamp		V
	AFS OFF indicator lamp		W
4WAS warning lamp	X		
Master warning lamp	Y		

DTC Index

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Refer to [MWI-97, "DTC Index"](#).

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INTERIOR LIGHTING SYSTEM SYMPTOMS

< SYMPTOM DIAGNOSIS >

SYMPTOM DIAGNOSIS

INTERIOR LIGHTING SYSTEM SYMPTOMS

Symptom Table

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CAUTION:

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

Symptom	Possible cause	Inspection item
All the following lamps do not turn ON. <ul style="list-style-type: none"> • Map lamp • Personal lamp • Trunk room lamp • Step lamp • Vanity mirror lamp 	<ul style="list-style-type: none"> • Harness between BCM and each interior room lamp • BCM 	Interior room lamp power supply circuit Refer to INL-18 .
<ul style="list-style-type: none"> • Interior room lamp does not turn ON even though the door is open. (It turns ON when turning the interior room lamp ON.) • Interior room lamp does not turn OFF even though the door is closed. 	<ul style="list-style-type: none"> • Harness between BCM and each door switch • Harness between BCM and each interior room lamp • BCM 	Door switch circuit Refer to DLK-65 . Interior room lamp control circuit Refer to INL-20 .
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-13 .
Step lamps (driver side and passenger side) do not turn ON. (The map lamp and the personal lamp turn ON.) Step lamps (driver side and passenger side) do not turn OFF. (The map lamp and the personal lamp turn OFF.)	<ul style="list-style-type: none"> • Harness between BCM and each step lamp • BCM 	Step lamp circuit Refer to INL-22 .
<ul style="list-style-type: none"> • Trunk room lamp does not turn ON. (The bulb is normal.) • Trunk room lamp does not turn OFF. 	<ul style="list-style-type: none"> • Harness between BCM and trunk room lamp switch • Harness between BCM and trunk room lamp • BCM 	Trunk room lamp switch circuit Refer to DLK-84 . Trunk room lamp circuit Refer to INL-24 .
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-24 .
Interior room lamp battery saver does not activate.	—	Check the interior room lamp battery saver setting. Refer to INL-15 .

PRECAUTIONS

< PRECAUTION >

PRECAUTION

PRECAUTIONS

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

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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 and SB section of this Service Manual.

WARNING:

- To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision which 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 the SRS section.
- Do not 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.

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MAP LAMP

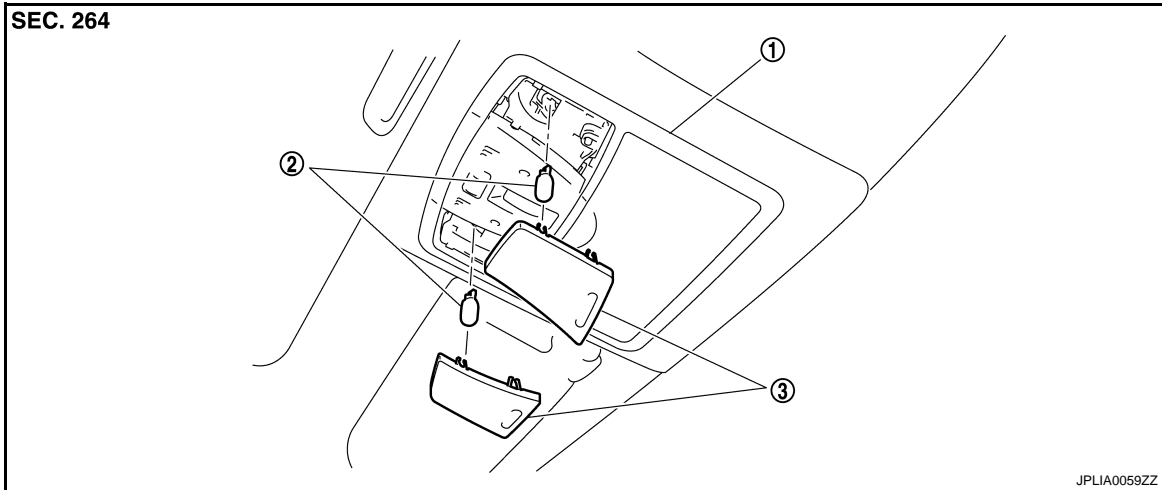
< ON-VEHICLE REPAIR >

ON-VEHICLE REPAIR

MAP LAMP

Exploded View

INFOID:000000000962610



1. Map lamp assembly

2. Bulb

3. Lens

Removal and Installation

INFOID:000000000962611

Refer to [INT-22. "Exploded View"](#) for the map lamp assembly installation/removal.

Replacement

INFOID:000000000962612

CAUTION:

Disconnect the battery negative terminal or the fuse.

MAP LAMP BULB

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

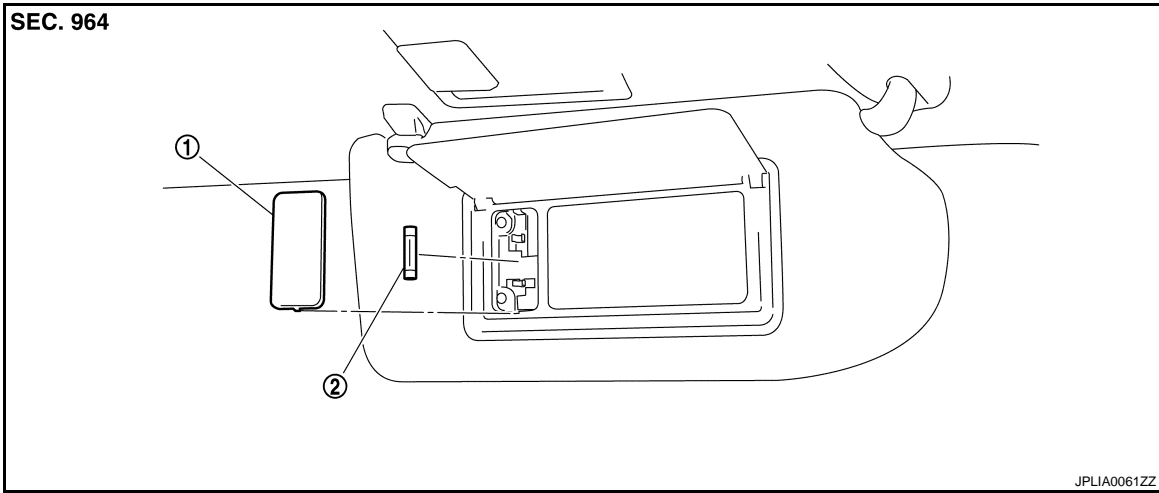
VANITY MIRROR LAMP

< ON-VEHICLE REPAIR >

VANITY MIRROR LAMP

Exploded View

INFOID:000000000962613



1. Lens

2. Bulb

Replacement

INFOID:000000000962614

CAUTION:

Disconnect the battery negative terminal or the fuse.

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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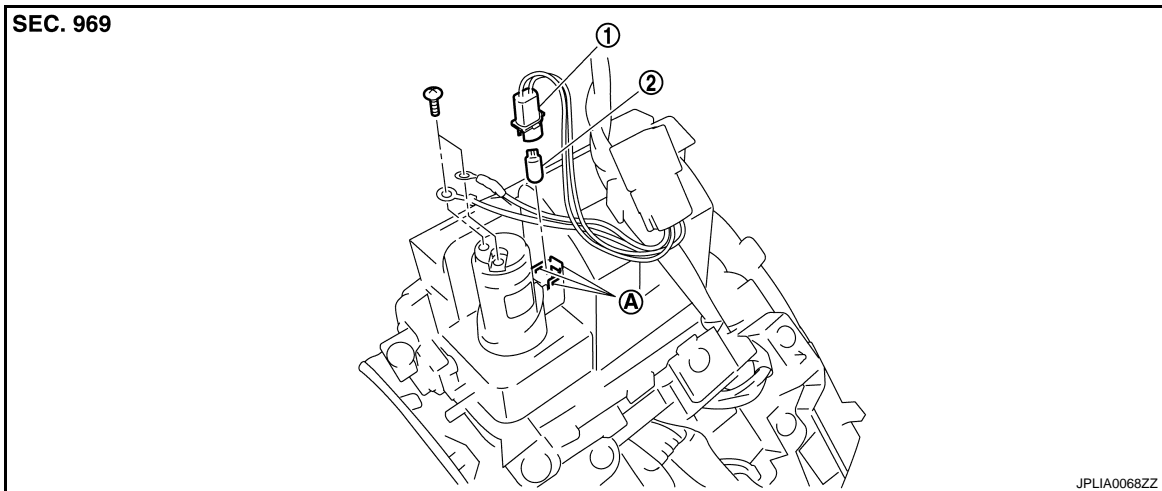
CIGARETTE LIGHTER ILLUMINATION

< ON-VEHICLE REPAIR >

CIGARETTE LIGHTER ILLUMINATION

Exploded View

INFOID:000000000962615



1. Bulb socket

2. Bulb
(Share with the ashtray illumination)

A Hook

Replacement

INFOID:000000000962616

CAUTION:

Disconnect the battery negative terminal or the fuse.

CIGARETTE LIGHTER ILLMINATION BULB

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

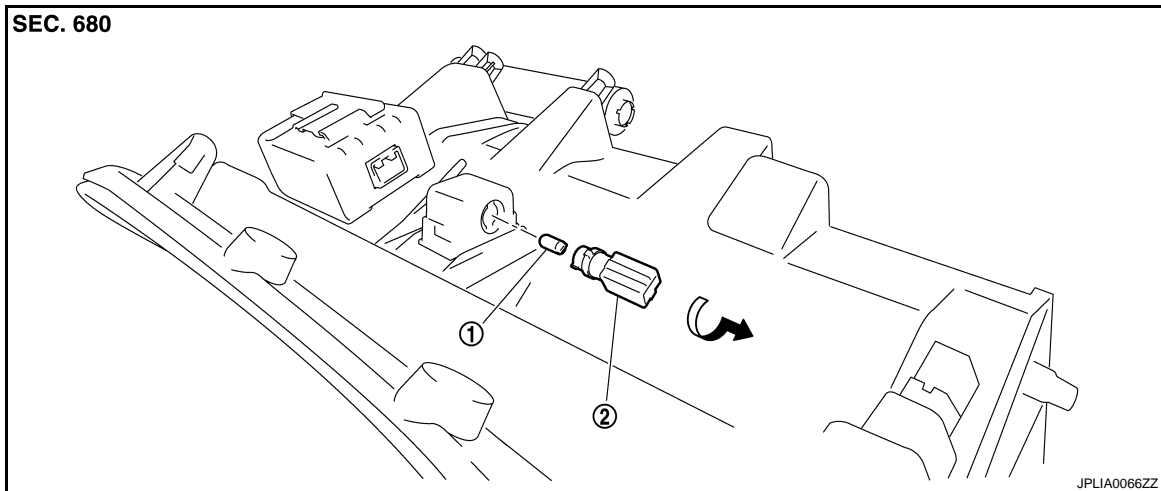
GLOVE BOX LAMP

< ON-VEHICLE REPAIR >

GLOVE BOX LAMP

Exploded View

INFOID:000000000962617



1. Bulb

2. Bulb socket

Replacement

INFOID:000000000962618

CAUTION:

Disconnect the battery negative terminal or the fuse.

GLOVE BOX LAMP BULB

1. Remove the instrument assist lower panel. Refer to [IP-11, "Exploded View"](#).
2. Rotate the bulb socket counterclockwise and unlock it.
3. Remove the bulb.

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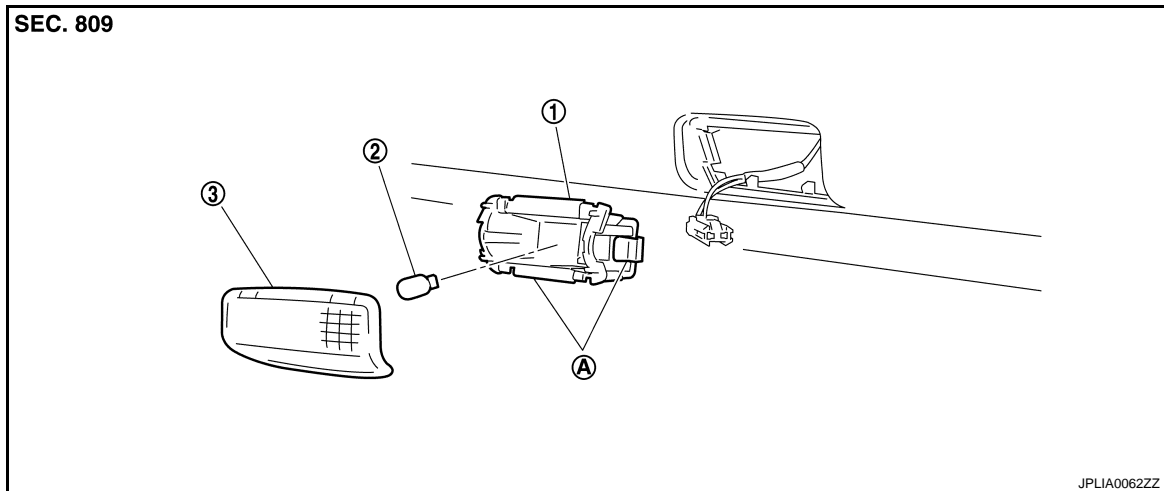
STEP LAMP

< ON-VEHICLE REPAIR >

STEP LAMP

Exploded View

INFOID:000000000962619



1. Step lamp case

2. Bulb

3. Lens

A Metal clip

Removal and Installation

INFOID:000000000962620

CAUTION:

Disconnect the battery negative terminal or 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:000000000962621

CAUTION:

Disconnect the battery negative terminal or the fuse.

STEP LAMP BULB

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

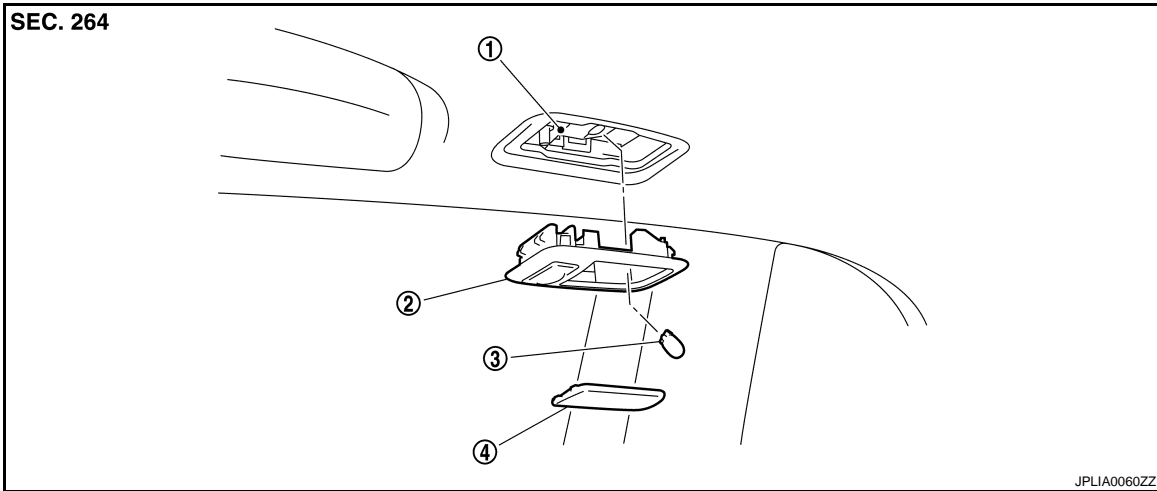
PERSONAL LAMP

< ON-VEHICLE REPAIR >

PERSONAL LAMP

Exploded View

INFOID:000000000962622



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

NOTE:

Replace the personal lamp case as a set (right and left). Before installing the headlining assembly, remove the personal lamp case. Refer to [INT-22, "Exploded View"](#).

Removal and Installation

INFOID:000000000962623

CAUTION:

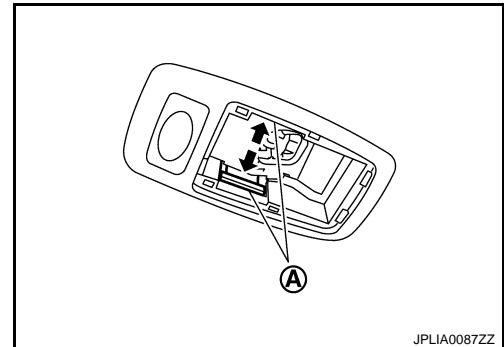
Disconnect the battery negative terminal or the fuse.

REMOVAL

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

NOTE:

Replace the personal lamp case as a set (right and left). Remove the personal lamp case after installing the headlining assembly. Refer to [INT-22, "Exploded View"](#).



INSTALLATION

Install in the reverse order of removal.

NOTE:

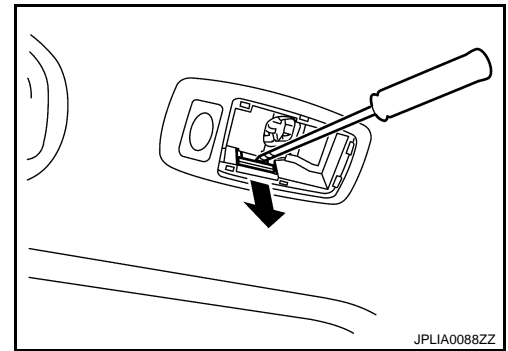
The following is easier to install the personal lamp finisher with the headlining installed.

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PERSONAL LAMP

< ON-VEHICLE REPAIR >

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



Replacement

CAUTION:

Disconnect the battery negative terminal or the fuse.

PERSONAL LAMP BULB

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

INFOID:000000000962624

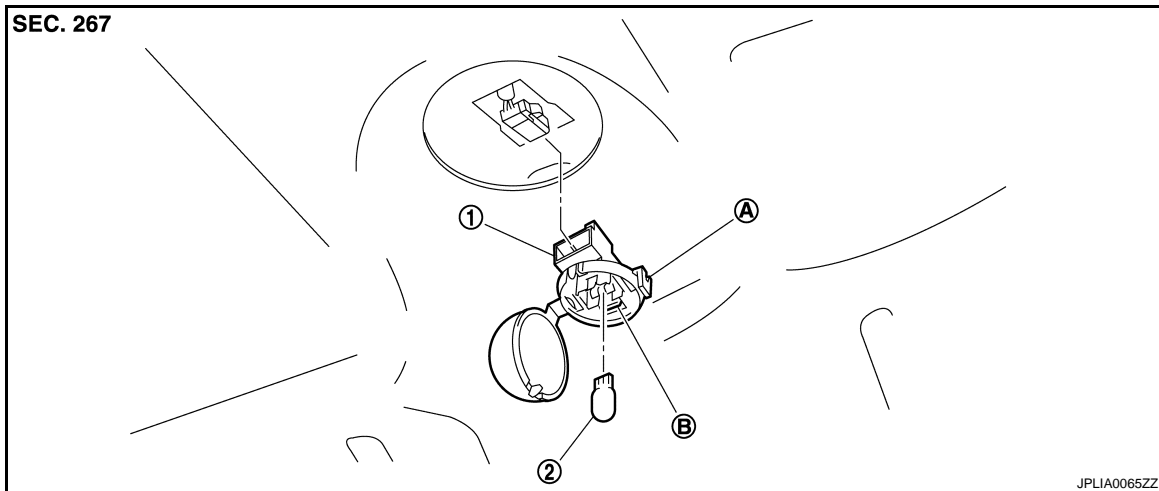
TRUNK ROOM LAMP

< ON-VEHICLE REPAIR >

TRUNK ROOM LAMP

Exploded View

INFOID:000000000962625



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

Removal and Installation

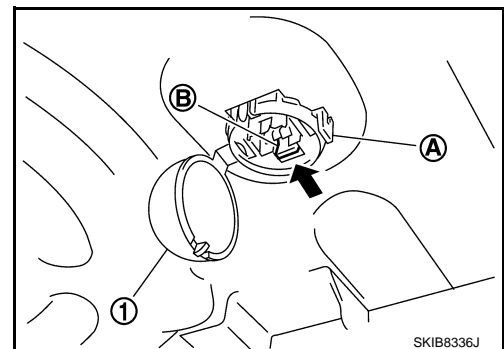
INFOID:000000000962626

CAUTION:

Disconnect the battery negative terminal or the fuse.

REMOVAL

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



INSTALLATION

Install in the reverse order of removal.

Replacement

INFOID:000000000962627

CAUTION:

Disconnect the battery negative terminal or the fuse.

TRUNK ROOM LAMP BULB

1. Widen the lens pawl. Open the lens.
2. Remove the bulb.

SERVICE DATA AND SPECIFICATIONS (SDS)

< SERVICE DATA AND SPECIFICATIONS (SDS)

SERVICE DATA AND SPECIFICATIONS (SDS)

SERVICE DATA AND SPECIFICATIONS (SDS)

Bulb Specifications

INFOID:000000000962628

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