

SECTION **DEF**  
**DEFOGGER**

A  
B  
C

CONTENTS

<b>BASIC INSPECTION</b> .....	3	Description .....	15	F
<b>DIAGNOSIS AND REPAIR WORK FLOW</b> .....	3	Component Function Check .....	15	
Work Flow .....	3	Diagnosis Procedure .....	15	
<b>SYSTEM DESCRIPTION</b> .....	4	<b>DRIVER SIDE DOOR MIRROR DEFOGGER</b> ...	17	G
<b>REAR WINDOW DEFOGGER SYSTEM</b> .....	4	Description .....	17	
System Diagram .....	4	Component Function Check .....	17	
System Description .....	4	Diagnosis Procedure .....	17	H
Component Parts Location .....	4	<b>PASSENGER SIDE DOOR MIRROR DEFOG-</b>		
Component Description .....	5	<b>GER</b> .....	19	I
<b>DIAGNOSIS SYSTEM (BCM)</b> .....	6	Description .....	19	
<b>COMMON ITEM</b> .....	6	Component Function Check .....	19	
COMMON ITEM : CONSULT Function (BCM -		Diagnosis Procedure .....	19	J
COMMON ITEM) .....	6	<b>REAR WINDOW DEFOGGER SYSTEM</b> .....	21	
<b>REAR WINDOW DEFOGGER</b> .....	7	Wiring Diagram - DEFOGGER CONTROL SYS-		
REAR WINDOW DEFOGGER : CONSULT Func-		TEM - .....	21	K
tion (BCM - REAR DEFOGGER) .....	7	<b>ECU DIAGNOSIS INFORMATION</b> .....	28	
<b>DTC/CIRCUIT DIAGNOSIS</b> .....	9	<b>BCM (BODY CONTROL MODULE)</b> .....	28	DEF
<b>REAR WINDOW DEFOGGER SWITCH</b> .....	9	Reference Value .....	28	
Description .....	9	Wiring Diagram - BCM - .....	52	
Component Function Check .....	9	Fail-safe .....	65	M
Diagnosis Procedure .....	9	DTC Inspection Priority Chart .....	66	
<b>REAR WINDOW DEFOGGER RELAY</b> .....	10	DTC Index .....	67	
Description .....	10	<b>SYMPTOM DIAGNOSIS</b> .....	70	N
Component Function Check .....	10	<b>REAR WINDOW DEFOGGER DOES NOT</b>		
Diagnosis Procedure .....	10	<b>OPERATE</b> .....	70	O
Component Inspection .....	11	Diagnosis Procedure .....	70	
<b>REAR WINDOW DEFOGGER</b> .....	12	<b>REAR WINDOW DEFOGGER AND DOOR</b>		
Description .....	12	<b>MIRROR DEFOGGER DO NOT OPERATE.</b> ....	71	P
Component Function Check .....	12	Diagnosis Procedure .....	71	
Diagnosis Procedure .....	12	<b>REAR WINDOW DEFOGGER DOES NOT</b>		
Component Inspection .....	14	<b>OPERATE BUT BOTH DOOR MIRROR DE-</b>		
<b>DOOR MIRROR DEFOGGER</b> .....	15	<b>FOGGERS OPERATE</b> .....	72	
		Diagnosis Procedure .....	72	

D  
E

F  
G

H  
I

J  
K

L  
M

N  
O

P

<b>DOOR MIRROR DEFOGGER DOES NOT OPERATE</b> .....	<b>73</b>	<b>PRECAUTION</b> .....	<b>76</b>
<b>BOTH SIDES</b> .....	<b>73</b>	<b>PRECAUTIONS</b> .....	<b>76</b>
BOTH SIDES : Diagnosis Procedure .....	73	Precaution for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TENSIONER" .....	76
<b>DRIVER SIDE</b> .....	<b>73</b>	Precaution for Procedure without Cowl Top Cover... ..	76
DRIVER SIDE : Diagnosis Procedure .....	73	Precautions For Xenon Headlamp Service .....	76
<b>PASSENGER SIDE</b> .....	<b>73</b>	Precautions for Removing Battery Terminal .....	77
PASSENGER SIDE : Diagnosis Procedure .....	73	<b>REMOVAL AND INSTALLATION</b> .....	<b>78</b>
<b>ON IS NOT DISPLAYED WHEN PRESSING REAR WINDOW DEFOGGER SWITCH BUT IT IS OPERATED</b> .....	<b>74</b>	<b>FILAMENT</b> .....	<b>78</b>
Diagnosis Procedure .....	74	Inspection and Repair .....	78
<b>REAR WINDOW DEFOGGER INDICATOR DOES NOT ILLUMINATE</b> .....	<b>75</b>	<b>CONDENSER</b> .....	<b>80</b>
Diagnosis Procedure .....	75	Exploded View .....	80
		Removal and Installation .....	80

# DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

## BASIC INSPECTION

### DIAGNOSIS AND REPAIR WORK FLOW

Work Flow

INFOID:000000010991557

DETAILED FLOW

#### 1.OBTAIN INFORMATION ABOUT SYMPTOM

Interview the customer to obtain the malfunction information (conditions and environment when the malfunction occurred) as much as possible when the customer brings the vehicle in.

>> GO TO 2.

#### 2.CHECK DTC

Perform self diagnosis with CONSULT.

Is any DTC detected?

YES >> Refer to [BCS-84. "DTC Index"](#).

NO >> GO TO 3.

#### 3.REPRODUCE THE MALFUNCTION INFORMATION

Check the malfunction on the vehicle that the customer describes.  
Inspect the relation of the symptoms and the condition when the symptoms occur.

>> GO TO 4.

#### 4.IDENTIFY THE MALFUNCTIONING SYSTEM WITH "SYMPTOM DIAGNOSIS"

Use "Symptom diagnosis" from the symptom inspection result in step 3. Then identify where to start performing the diagnosis based on possible causes and symptoms.

>> GO TO 5.

#### 5.IDENTIFY MALFUNCTIONING PARTS WITH "COMPONENT DIAGNOSIS"

Perform the diagnosis with "Component diagnosis" of the applicable system.

>> GO TO 6.

#### 6.REPAIR OR REPLACE THE MALFUNCTIONING PARTS

Repair or replace the specified malfunctioning parts.

>> GO TO 7.

#### 7.FINAL CHECK

Check that malfunctions are not reproduced when obtaining the malfunction information from the customer, referring to the symptom inspection result in step 3.

Are all malfunctions corrected?

YES >> INSPECTION END

NO >> GO TO 4.

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

# REAR WINDOW DEFOGGER SYSTEM

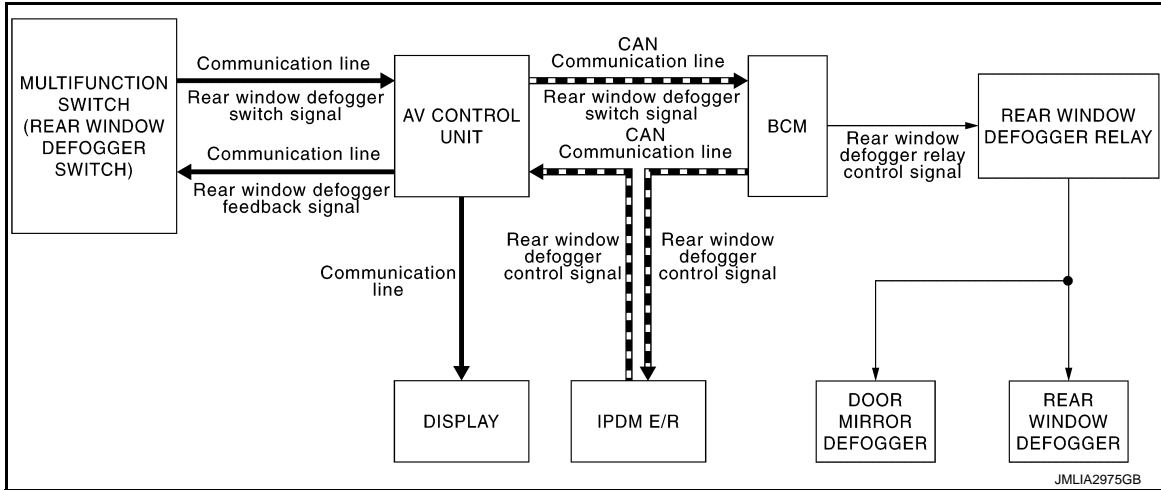
< SYSTEM DESCRIPTION >

## SYSTEM DESCRIPTION

### REAR WINDOW DEFOGGER SYSTEM

#### System Diagram

INFOID:0000000010991558



#### System Description

INFOID:0000000010991559

#### OPERATION DESCRIPTION

- Turn rear window defogger switch ON while ignition switch is turned ON. Then multifunction switch (rear window defogger switch) transmits rear window defogger switch signal to AV control unit via AV communication. AV control unit transmits rear window defogger switch signal to BCM via CAN communication.
- BCM turns rear window defogger relay ON and transmits rear window defogger control signal to IPDM E/R via CAN communication when rear window defogger switch signal is received.
- Rear window defogger and door mirror defogger (with mirror defogger) are supplied with power and operate when rear window defogger relay turns ON.
- IPDM E/R transmits rear window defogger control signal to AV control unit via CAN communication.
- AV control unit transmits rear window defogger feedback signal to multifunction switch (rear window defogger switch) via AV communication.

#### TIMER FUNCTION

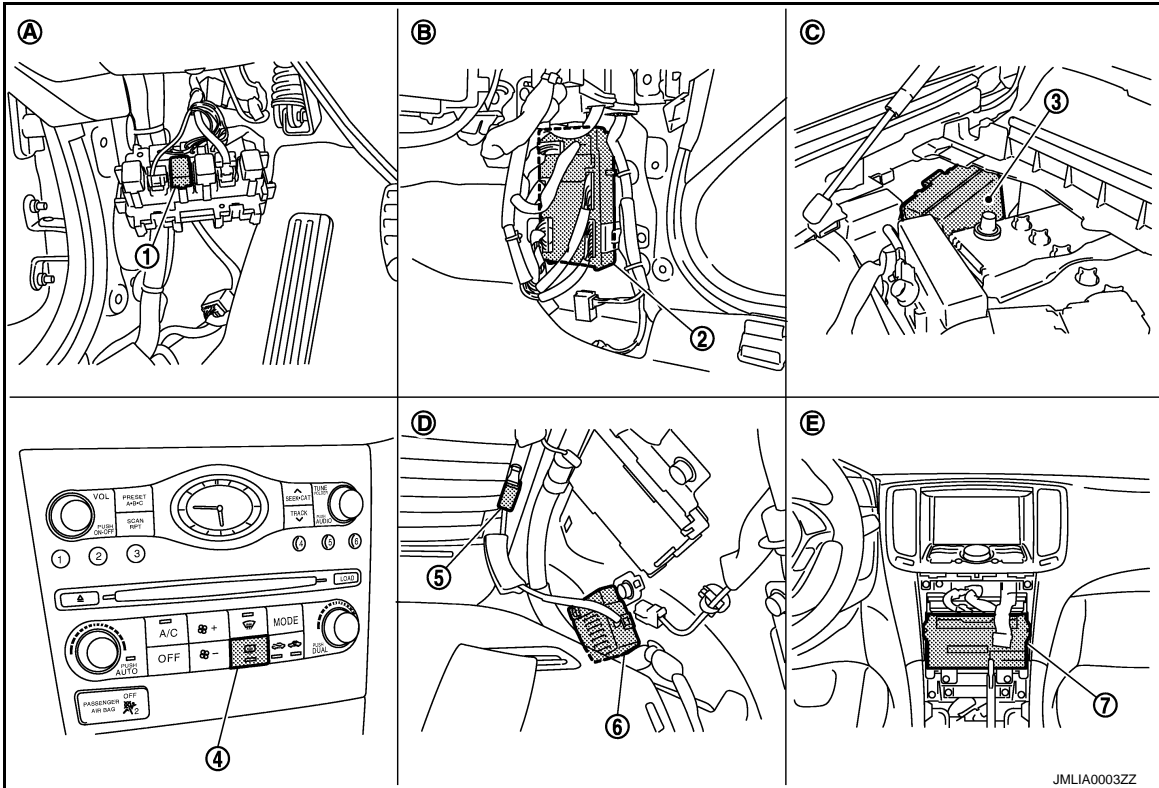
- BCM turns rear window defogger relay ON for approximately 15 minutes when rear window defogger switch is turned ON. It makes rear window defogger and door mirror defogger (with mirror defogger) operate.
- Timer is canceled after pressing rear window defogger switch again during timer operation. Then BCM turns rear window defogger relay OFF. The same reaction also occurs during timer operation, if the ignition switch is turned OFF.

#### Component Parts Location

INFOID:0000000010991560

# REAR WINDOW DEFOGGER SYSTEM

## < SYSTEM DESCRIPTION >



- |  |                                     |                                |
|--|-------------------------------------|--------------------------------|
| 1. Rear window defogger relay                                  | 2. BCM                              | 3. IPDM E/R                    |
| 4. Rear window defogger switch (built-in multifunction switch) | 5. Rear window defogger connector   | 6. Condenser                   |
| 7. AV control unit   |                                     |                                |
| A. Dash side lower (driver side)                               | B. Dash side lower (passenger side) | C. Engine room dash panel (RH) |
| D. Behind rear pillar finisher (LH)                            | E. Behind cluster lid C             |                                |

## Component Description

INFOID:0000000010991561

BCM	<ul style="list-style-type: none"> <li>Operates the rear window defogger with the operation of rear window defogger switch</li> <li>Performs the timer control of rear window defogger</li> </ul>
Rear window defogger relay	Operates the rear window defogger and the door mirror defogger with BCM control
IPDM E/R	Transmits rear window defogger control signal to AV control unit via CAN communication
Multifunction switch (Rear window defogger switch)	<ul style="list-style-type: none"> <li>The rear window defogger switch is installed</li> <li>Turns the indicator lamp ON when detecting the operation of rear window defogger</li> </ul>
AV control unit	Displays the rear window defogger ON to the display when detecting the operation of rear window defogger
Rear window defogger	Heats the heating wire with the power supply from the rear window defogger relay to prevent the rear window from fogging up
Door mirror defogger*	Heats the heating wire with the power supply from the rear window defogger relay to prevent the door mirror from fogging up

\*: With mirror defogger

# DIAGNOSIS SYSTEM (BCM)

< SYSTEM DESCRIPTION >

## DIAGNOSIS SYSTEM (BCM)

### COMMON ITEM

COMMON ITEM : CONSULT Function (BCM - COMMON ITEM)

INFOID:000000011401515

### APPLICATION ITEM

CONSULT performs the following functions via CAN communication with BCM.

Diagnosis mode	Function Description
Work Support	Changes the setting for each system function.
Self Diagnostic Result	Displays the diagnosis results judged by BCM.
CAN Diag Support Monitor	Monitors the reception status of CAN communication viewed from BCM.
Data Monitor	The BCM input/output signals are displayed.
Active Test	The signals used to activate each device are forcibly supplied from BCM.
Ecu Identification	The BCM part number is displayed.
Configuration	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.

×: Applicable item

System	Sub system selection item	Diagnosis mode		
		Work Support	Data Monitor	Active Test
Door lock	DOOR LOCK	×	×	×
Rear window defogger	REAR DEFOGGER		×	×
Warning chime	BUZZER		×	×
Interior room lamp timer	INT LAMP	×	×	×
Exterior lamp	HEAD LAMP	×	×	×
Wiper and washer	WIPER	×	×	×
Turn signal and hazard warning lamps	FLASHER	×	×	×
—	AIR CONDITONER*			
• Intelligent Key system • Engine start system	INTELLIGENT KEY	×	×	×
Combination switch	COMB SW		×	
Body control system	BCM	×		
IVIS - NATS	IMMU		×	×
Interior room lamp battery saver	BATTERY SAVER	×	×	×
Trunk lid open	TRUNK		×	×
Vehicle security system	THEFT ALM	×	×	×
RAP system	RETAINED PWR		×	
Signal buffer system	SIGNAL BUFFER		×	×
TPMS	AIR PRESSURE MONITOR	×	×	×

#### NOTE:

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

### FREEZE FRAME DATA (FFD)

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

# DIAGNOSIS SYSTEM (BCM)

## < SYSTEM DESCRIPTION >

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

### NOTE:

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

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

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

## REAR WINDOW DEFOGGER

### REAR WINDOW DEFOGGER : CONSULT Function (BCM - REAR DEFOGGER)

INFOID:000000010991563

## DATA MONITOR

### NOTE:

## DIAGNOSIS SYSTEM (BCM)

### < SYSTEM DESCRIPTION >

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

Monitor Item	Description
REAR DEF SW	This is displayed even when it is not equipped.
PUSH SW	Indicates [ON/OFF] condition of push switch.

### ACTIVE TEST

Test Item	Description
REAR DEFOGGER	Rear window defogger operates when "ON" on CONSULT screen is touched.



# REAR WINDOW DEFOGGER SWITCH

< DTC/CIRCUIT DIAGNOSIS >

## DTC/CIRCUIT DIAGNOSIS

### REAR WINDOW DEFOGGER SWITCH

#### Description

INFOID:0000000010991564

- The rear window defogger is operated by turning the rear window defogger switch ON.
- The indicator lamp in the rear window defogger illuminates when the rear window defogger is operating.

#### Component Function Check

INFOID:0000000010991565

#### 1. CHECK REAR WINDOW DEFOGGER SWITCH FUNCTION

Check that the indicator lamp of rear window defogger illuminates when rear window defogger switch ON.

Is the inspection result normal?

- YES >> Rear window defogger switch function is OK.
- NO >> Refer to [DEF-9, "Diagnosis Procedure"](#).

#### Diagnosis Procedure

INFOID:0000000010991566

#### 1. CHECK MULTIFUNCTION SWITCH (REAR WINDOW DEFOGGER SWITCH)

Does multifunction switch operate normally?

- Base audio with rear view camera. Refer to [AV-16, "On Board Diagnosis Function"](#).
- BOSE audio with navigation. Refer to [AV-138, "On Board Diagnosis Function"](#).

Is the inspection result normal?

- YES >> INSPECTION END
- NO >> Replace multifunction switch (rear window defogger switch).

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

DEF

# REAR WINDOW DEFOGGER RELAY

< DTC/CIRCUIT DIAGNOSIS >

## REAR WINDOW DEFOGGER RELAY

### Description

INFOID:000000010991567

Power is supplied to the rear window defogger with BCM control.

### Component Function Check

INFOID:000000010991568

#### 1.CHECK REAR WINDOW DEFOGGER RELAY POWER SUPPLY CIRCUIT

1. Perform Active Test ("REAR DEFOGGER") with CONSULT.
2. Touch "ON".
3. Check that the rear window heating wire is getting warmer.

Is the inspection result normal?

- YES >> Rear window defogger relay power supply circuit is OK.  
NO >> Refer to [DEF-10, "Diagnosis Procedure"](#).

### Diagnosis Procedure

INFOID:000000010991569

#### 1.CHECK FUSE

1. Turn ignition switch off.
2. Check the following.
  - 10A fuse [No.3, located in fuse block (J/B)]

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace the blown fuse after repairing the affected circuit if a fuse is blown.

#### 2.CHECK REAR WINDOW DEFOGGER CIRCUIT 1

1. Turn ignition switch ON.
2. Check voltage between BCM harness connector and ground.

(+)		(-)	Condition	Voltage (V) (Approx.)	
BCM					
Connector	Terminal				
M123	151	Ground	Rear window defogger switch	ON	0
				OFF	Battery voltage

Is the inspection result normal?

- YES >> GO TO 6.  
NO >> GO TO 3.

#### 3.CHECK REAR WINDOW DEFOGGER CIRCUIT 2

1. Turn ignition switch OFF.
2. Disconnect BCM connector and rear window defogger relay.
3. Check continuity between BCM harness connector and fuse block (J/B) harness connector.

BCM		Fuse block (J/B)		Continuity
Connector	Terminal	Connector	Terminal	
M123	151	M2	4B	Existed

Is the inspection result normal?

- YES >> GO TO 4.  
NO >> Repair or replace harness.

#### 4.CHECK REAR WINDOW DEFOGGER RELAY

Check rear window defogger relay.  
Refer to [DEF-11, "Component Inspection"](#).

Is the inspection result normal?

# REAR WINDOW DEFOGGER RELAY

## < DTC/CIRCUIT DIAGNOSIS >

- YES >> GO TO 5.  
 NO >> Replace rear window defogger relay.

### 5.CHECK FUSE BLOCK (J/B)

1. Install the rear window defogger relay.
2. Turn ignition switch ON.
3. Check voltage between fuse block (J/B) (fuse block side) and ground.

(+)		(-)	Voltage (V) (Approx.)
Fuse block (J/B)			
Connector	Terminal		
M2	4B	Ground	Battery voltage

Is the inspection result normal?

- YES >> GO TO 6.  
 NO >> Repair or replace fuse block (J/B).

### 6.CHECK INTERMITTENT INCIDENT

Check intermittent incident.  
 Refer to [GI-41, "Intermittent Incident"](#).

>> INSPECTION END

## Component Inspection

INFOID:0000000010991570

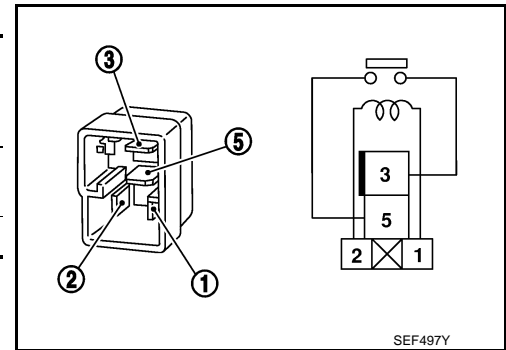
### 1.CHECK REAR WINDOW DEFOGGER RELAY

1. Turn ignition switch OFF.
2. Disconnect rear window defogger relay.
3. Check rear window defogger relay.

Terminal		Condition	Continuity
Rear window defogger relay			
3	5	12 V direct current supply between terminals 1 and 2.	Existed
		No current supply	Not existed

Is the inspection result normal?

- YES >> INSPECTION END  
 NO >> Replace rear window defogger relay.



SEF497Y

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

# REAR WINDOW DEFOGGER

< DTC/CIRCUIT DIAGNOSIS >

## REAR WINDOW DEFOGGER

### Description

INFOID:000000010991571

Heats the heating wire with the power supply from the rear window defogger relay to prevent the rear window from fogging up.

### Component Function Check

INFOID:000000010991572

#### 1.CHECK REAR WINDOW DEFOGGER

1. Perform Active Test ("REAR DEFOGGER") with CONSULT.
2. Touch "ON".
3. Check that the rear window heating wire is getting warmer.

Is the inspection result normal?

- YES >> Rear window defogger is OK.  
NO >> Refer to [DEF-12. "Diagnosis Procedure"](#).

### Diagnosis Procedure

INFOID:000000010991573

#### 1.CHECK FUSE

1. Turn ignition switch OFF.
2. Check the following.
  - 20A fuse [No.14, located in fuse block (J/B)]
  - 20A fuse [No.15, located in fuse block (J/B)]

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Replace the blown fuse after repairing the affected circuit if a fuse is blown.

#### 2.CHECK POWER SUPPLY CIRCUIT

1. Turn ignition switch ON.
2. Check voltage between rear window defogger connector and ground.

(+)		(-)	Condition		Voltage (V) (Approx.)
Connector	Terminal				
B401	1	Ground	Rear window defogger switch	ON	Battery voltage
			OFF	0	

Is the inspection result normal?

- YES >> GO TO 3.  
NO >> GO TO 4.

#### 3.CHECK GROUND CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect rear window defogger connector.
3. Check continuity between rear window defogger harness connector and ground.

Rear window defogger		Ground	Continuity
Connector	Terminal		
B402	2		Existed

Is the inspection result normal?

- YES >> GO TO 7.  
NO >> Repair or replace harness.

#### 4.CHECK REAR WINDOW DEFOGGER CIRCUIT 1

# REAR WINDOW DEFOGGER

## < DTC/CIRCUIT DIAGNOSIS >

1. Turn ignition switch OFF.
2. Disconnect condenser connector and rear window defogger connector.
3. Check continuity between condenser (condenser side) and rear window defogger harness connector.

Condenser		Rear window defogger		Continuity
Connector	Terminal	Connector	Terminal	
B26	1	B401	1	Existed

4. Check continuity between condenser (condenser side) connector and ground.

Condenser		Ground	Continuity
Connector	Terminal		
B26	1		Not existed

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace condenser. Refer to [DEF-80, "Removal and Installation"](#).

## 5.CHECK REAR WINDOW DEFOGGER CIRCUIT 2

1. Disconnect fuse block (J/B) connector.
2. Check continuity between fuse block (J/B) harness connector and condenser harness connector.

Fuse block (J/B)		Condenser		Continuity
Connector	Terminal	Connector	Terminal	
B6	10G	B26	1	Existed
	11G			

3. Check continuity between fuse block (J/B) harness connector and ground.

Fuse block (J/B)		Ground	Continuity
Connector	Terminal		
B6	10G		Not existed
	11G		

Is the inspection result normal?

YES >> GO TO 6.

NO >> Repair or replace harness.

## 6.CHECK FUSE BLOCK (J/B)

1. Turn ignition switch ON.
2. Check voltage between fuse block (J/B) (fuse block side) and ground.

(+)		(-)	Condition	Voltage (V) (Approx.)
Fuse block (J/B)				
Connector	Terminal			
B6	10G	Ground	Rear window defogger switch ON	Battery voltage
			OFF	0
	11G		ON	Battery voltage
			OFF	0

Is the inspection result normal?

YES >> GO TO 8.

NO >> Repair or replace fuse block (J/B).

## 7.CHECK FILAMENT

Check filament. Refer to [DEF-14, "Component Inspection"](#).

Is the inspection result normal?

## REAR WINDOW DEFOGGER

< DTC/CIRCUIT DIAGNOSIS >

---

YES >> GO TO 8.

NO >> Repair filament.

### 8.CHECK INTERMITTENT INCIDENT

---

Check intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

>> INSPECTION END

### Component Inspection

INFOID:000000010991574

### 1.CHECK FILAMENT

---

Check the filament for damage or blown. Refer to [DEF-78, "Inspection and Repair"](#).

Is the inspection result normal?

YES >> INSPECTION END

NO >> Repair filament.

# DOOR MIRROR DEFOGGER

< DTC/CIRCUIT DIAGNOSIS >

## DOOR MIRROR DEFOGGER

### Description

INFOID:000000010991575

Power is supplied to the door mirror defogger with BCM control.

### Component Function Check

INFOID:000000010991576

#### 1.CHECK DOOR MIRROR DEFOGGER

1. Perform Active Test ("REAR DEFOGGER") with CONSULT.
2. Touch "ON".
3. Check that both side door mirror glass is getting warmer.

Is the inspection result normal?

- YES >> Door mirror defogger is OK.  
 NO >> Refer to [DEF-15. "Diagnosis Procedure"](#).

### Diagnosis Procedure

INFOID:000000010991577

#### 1.CHECK FUSE

1. Turn ignition switch OFF.
2. Check 10A fuse [No.13, located in fuse block (J/B)].

Is the inspection result normal?

- YES >> GO TO 2.  
 NO >> Replace the blown fuse after repairing the affected circuit if a fuse is blown.

#### 2.CHECK POWER SUPPLY CIRCUIT

1. Disconnect door mirror (driver side) connector.
2. Turn ignition switch ON.
3. Check voltage between door mirror (driver side) harness connector and ground.

(+)		(-)	Condition	Voltage (V) (Approx.)
Door mirror (driver side) Connector	Terminal			
D3	4	Ground	Rear window defogger switch	ON Battery voltage
			OFF 0	

Is the inspection result normal?

- YES >> GO TO 5.  
 NO >> GO TO 3.

#### 3.CHECK DRIVER SIDE DOOR MIRROR DEFOGGER CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect fuse block (J/B) connector.
3. Check continuity between fuse block (J/B) harness connector and door mirror (driver side) harness connector.

Fuse block (J/B)		Door mirror (driver side)		Continuity
Connector	Terminal	Connector	Terminal	
M3	10C	D3	4	Existed

4. Check continuity between fuse block (J/B) harness connector and ground.

Fuse block (J/B)		Ground	Continuity
Connector	Terminal		
M3	10C		Not existed

Is the inspection result normal?

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

DEF

# DOOR MIRROR DEFOGGER

## < DTC/CIRCUIT DIAGNOSIS >

---

- YES >> GO TO 4.  
NO >> Repair or replace harness.

### 4.CHECK FUSE BLOCK (J/B)

---

1. Turn ignition switch ON.
2. Check voltage between fuse block (J/B) (fuse block side) and ground.

(+)		(-)	Condition	Voltage (V) (Approx.)	
Fuse block (J/B)					
Connector	Terminal				
M3	10C	Ground	Rear window defogger	ON	Battery voltage
			switch	OFF	0

### Is the inspection result normal?

- YES >> GO TO 5.  
NO >> Repair or replace fuse block (J/B).

### 5.CHECK INTERMITTENT INCIDENT

---

Check intermittent incident.  
Refer to [GI-41, "Intermittent Incident"](#).

>> INSPECTION END



# DRIVER SIDE DOOR MIRROR DEFOGGER

< DTC/CIRCUIT DIAGNOSIS >

## DRIVER SIDE DOOR MIRROR DEFOGGER

### Description

INFOID:000000010991578

Heats the heating wire with the power supply from the rear window defogger relay to prevent the door mirror from fogging up.

### Component Function Check

INFOID:000000010991579

#### 1.CHECK DRIVER SIDE DOOR MIRROR DEFOGGER

1. Perform Active Test ("REAR DEFOGGER") with CONSULT.
2. Touch "ON".
3. Check that the driver side door mirror glass is getting warmer.

Is the inspection result normal?

- YES >> Driver side door mirror defogger is OK.  
NO >> Refer to [DEF-17, "Diagnosis Procedure"](#).

### Diagnosis Procedure

INFOID:000000010991580

#### 1.CHECK POWER SUPPLY CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect door mirror (driver side) connector.
3. Turn ignition switch ON.
4. Check voltage between door mirror (driver side) harness connector and ground.

(+)		(-)	Condition		Voltage (V) (Approx.)
Door mirror (driver side) Connector	Terminal				
D3	4	Ground	Rear window defogger switch	ON	Battery voltage
				OFF	0

Is the inspection result normal?

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

#### 2.CHECK DRIVER SIDE DOOR MIRROR DEFOGGER CIRCUIT

1. Turn ignition switch OFF.
2. Check continuity between fuse block (J/B) harness connector and door mirror (driver side) harness connector.

Fuse block (J/B)		Door mirror (driver side)		Continuity
Connector	Terminal	Connector	Terminal	
M3	10C	D3	4	Existed

3. Check continuity between fuse block (J/B) harness connector and ground.

Fuse block (J/B)		Ground	Continuity
Connector	Terminal		
M3	10C		Not existed

Is the inspection result normal?

- YES >> GO TO 4.  
NO >> Repair or replace harness.

#### 3.CHECK GROUND CIRCUIT

1. Turn ignition switch OFF.
2. Check continuity between door mirror (driver side) harness connector and ground.

## DRIVER SIDE DOOR MIRROR DEFOGGER

< DTC/CIRCUIT DIAGNOSIS >

---

Door mirror (driver side)		Ground	Continuity
Connector	Terminal		Existed
D3	8		

---

Is the inspection result normal?

YES >> Replace door mirror glass (driver side). Refer to [MIR-20, "GLASS MIRROR : Disassembly and Assembly"](#).

NO >> Repair or replace harness.

### 4. CHECK INTERMITTENT INCIDENT

---

Check intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

Is the inspection result normal?

>> INSPECTION END

# PASSENGER SIDE DOOR MIRROR DEFOGGER

< DTC/CIRCUIT DIAGNOSIS >

## PASSENGER SIDE DOOR MIRROR DEFOGGER

### Description

INFOID:000000010991581

Heats the heating wire with the power supply from the rear window defogger relay to prevent the door mirror from fogging up.

### Component Function Check

INFOID:000000010991582

#### 1.CHECK PASSENGER SIDE DOOR MIRROR DEFOGGER

1. Perform Active Test ("REAR DEFOGGER") with CONSULT.
2. Touch "ON".
3. Check that the passenger side door mirror glass is getting warmer.

Is the inspection result normal?

- YES >> Passenger side door mirror defogger is OK.  
NO >> Refer to [DEF-19, "Diagnosis Procedure"](#).

### Diagnosis Procedure

INFOID:000000010991583

#### 1.CHECK POWER SUPPLY CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect door mirror (passenger side) connector.
3. Turn ignition switch ON.
4. Check voltage between door mirror (passenger side) harness connector and ground.

(+)		(-)	Condition		Voltage (V) (Approx.)
Door mirror (passenger side) Connector	Terminal				
D33	4	Ground	Rear window defogger switch	ON	Battery voltage
				OFF	0

Is the inspection result normal?

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

#### 2.CHECK PASSENGER SIDE DOOR MIRROR DEFOGGER CIRCUIT

1. Turn ignition switch OFF.
2. Check continuity between fuse block (J/B) harness connector and door mirror (passenger side) harness connector.

Fuse block (J/B)		Door mirror (passenger side)		Continuity
Connector	Terminal	Connector	Terminal	
M3	9C	D33	4	Existed

3. Check continuity between fuse block (J/B) harness connector and ground.

Fuse block (J/B)		Ground	Continuity
Connector	Terminal		
M3	9C		Not existed

Is the inspection result normal?

- YES >> GO TO 4.  
NO >> Repair or replace harness.

#### 3.CHECK GROUND CIRCUIT

1. Turn ignition switch OFF.
2. Check continuity between door mirror (passenger side) harness connector and ground.

## PASSENGER SIDE DOOR MIRROR DEFOGGER

< DTC/CIRCUIT DIAGNOSIS >

---

Door mirror (passenger side)		Ground	Continuity
Connector	Terminal		Existed
D33	8		

---

Is the inspection result normal?

YES >> Replace door mirror glass (passenger side). Refer to [MIR-20, "GLASS MIRROR : Disassembly and Assembly"](#).

NO >> Repair or replace harness.

### 4. CHECK INTERMITTENT INCIDENT

---

Check intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

>> INSPECTION END

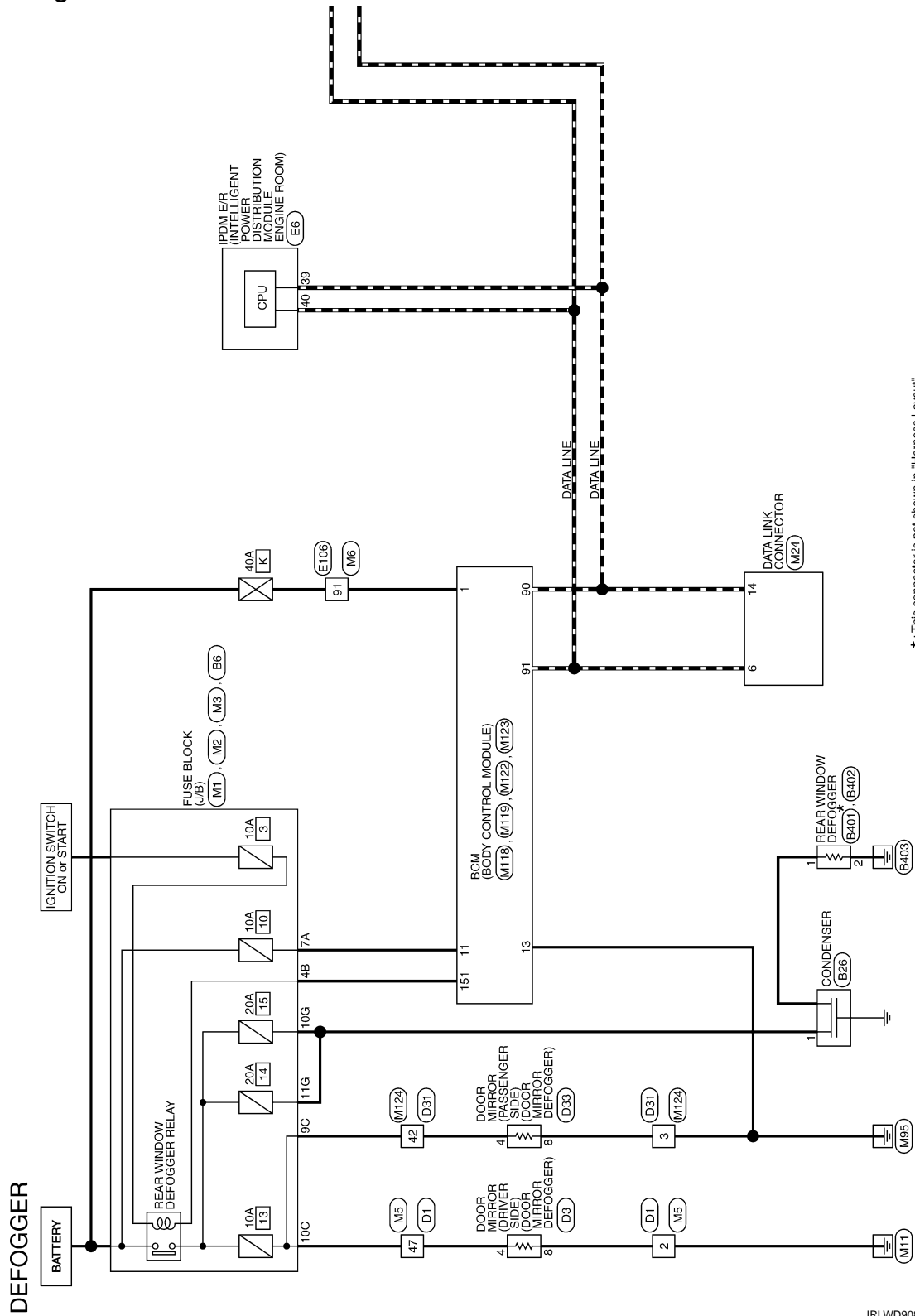
# REAR WINDOW DEFOGGER SYSTEM

< DTC/CIRCUIT DIAGNOSIS >

## REAR WINDOW DEFOGGER SYSTEM

### Wiring Diagram - DEFOGGER CONTROL SYSTEM -

INFOID:000000010991584



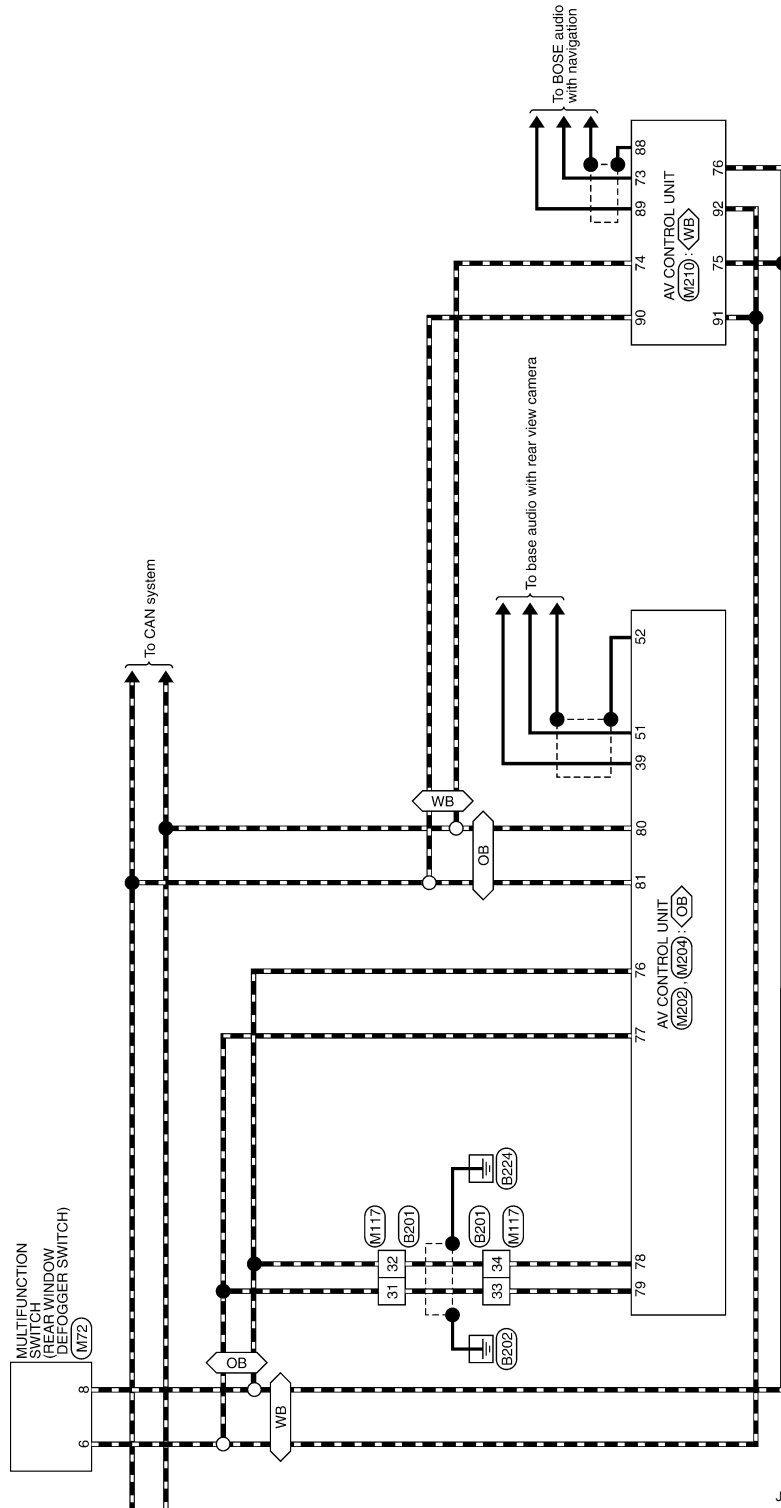
\*: This connector is not shown in "Harness Layout".

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

# REAR WINDOW DEFOGGER SYSTEM

## < DTC/CIRCUIT DIAGNOSIS >

WB : With BOSE system  
OB : Without BOSE system



JRLWD9090GB

# REAR WINDOW DEFOGGER SYSTEM

## < DTC/CIRCUIT DIAGNOSIS >

DEFOGGER		B201		B201		B201	
Connector No.	WIRE TO WIRE	Connector No.	WIRE TO WIRE	Connector No.	WIRE TO WIRE	Connector No.	WIRE TO WIRE
B36	FUSE BLOCK (J/B)	B401	REAR WINDOW DEFOGGER	B402	REAR WINDOW DEFOGGER	B402	REAR WINDOW DEFOGGER
NS12FER-CS	NS12FER-CS	P01FB-A	P01FB-A	THBDFH-CS (P-TM)	THBDFH-CS (P-TM)	P01FB-A	P01FB-A
Terminal No.	Color Of Wire	Terminal No.	Color Of Wire	Terminal No.	Color Of Wire	Terminal No.	Color Of Wire
10G	W	1	GR	1	GR	1	GR
12G	Y	2	L	2	L	2	L
13G	Y	3	L	3	L	3	L
5G	LG	31	L	31	L	31	L
		32	P	32	P	32	P
		33	G	33	G	33	G
		34	R	34	R	34	R
		40	GR	40	GR	40	GR
		41	LG	41	LG	41	LG
		42	BG	42	BG	42	BG
		43	R	43	R	43	R
		45	G	45	G	45	G
		46	SHIELD	46	SHIELD	46	SHIELD
		47	G	47	G	47	G
		48	G	48	G	48	G
		50	SHIELD	50	SHIELD	50	SHIELD
		51	W	51	W	51	W
		71	R	71	R	71	R
		80	BG	80	BG	80	BG
		81	SHIELD	81	SHIELD	81	SHIELD
		82	G	82	G	82	G
		83	P	83	P	83	P
		84	L	84	L	84	L
		85	SHIELD	85	SHIELD	85	SHIELD
		88	G	88	G	88	G
		87	R	87	R	87	R
		89	W	89	W	89	W
		89	B	89	B	89	B
		90	Y	90	Y	90	Y
		92	W	92	W	92	W
		93	BG	93	BG	93	BG
		94	R	94	R	94	R
		95	SB	95	SB	95	SB
		96	G	96	G	96	G

JRLWD9190GB

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

# REAR WINDOW DEFOGGER SYSTEM

## < DTC/CIRCUIT DIAGNOSIS >

### DEFOGGER

Connector No.	D33
Connector Name	DOOR MIRROR (DRIVER SIDE)
Connector Type	TH12MW-NH

Terminal No.	Color Of Wire	Signal Name [Specification]
5	W	
6	P	
7	V	
8	G	

Connector No.	D33
Connector Name	DOOR MIRROR (PASSENGER SIDE)
Connector Type	TH12MW-NH

Terminal No.	Color Of Wire	Signal Name [Specification]
5	W	
6	P	
7	V	
8	G	

Connector No.	D31
Connector Name	WIPE TO WIPE
Connector Type	TH40FW-C515

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

Connector No.	D31
Connector Name	WIPE TO WIPE
Connector Type	TH40FW-C515

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

Connector No.	E8
Connector Name	ENGINE INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	TH88FW-NH

Terminal No.	Color Of Wire	Signal Name [Specification]
4	L	
5	BG	
6	GR	
8	B	

Connector No.	E8
Connector Name	ENGINE INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	TH88FW-NH

Terminal No.	Color Of Wire	Signal Name [Specification]
4	L	
5	BG	
6	GR	
8	B	

Connector No.	E106
Connector Name	WIPE TO WIPE
Connector Type	TH89FW-C515-TM4

Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	
3	BG	
5	G	
6	V	
7	V	
9	R	
11	V	
12	R	
13	L	
14	GR	
15	P	
19	SB	
18	BG	
20	LG	
31	L	
32	BG	
36	SB	
37	Y	
38	R	
39	B	
41	R	
42	LG	
43	G	
44	GR	
45	GR	
47	V	
48	P	
49	L	
66	GR	
67	LG	
80	R	

Connector No.	E106
Connector Name	WIPE TO WIPE
Connector Type	TH89FW-C515-TM4

Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	
3	BG	
5	G	
6	V	
7	V	
9	R	
11	V	
12	R	
13	L	
14	GR	
15	P	
19	SB	
18	BG	
20	LG	
31	L	
32	BG	
36	SB	
37	Y	
38	R	
39	B	
41	R	
42	LG	
43	G	
44	GR	
45	GR	
47	V	
48	P	
49	L	
66	GR	
67	LG	
80	R	

Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS309FW-M2

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

Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS309FW-M2

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

JRLWD9191GB



# REAR WINDOW DEFOGGER SYSTEM

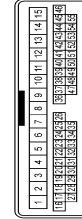
## < DTC/CIRCUIT DIAGNOSIS >

### DEFOGGER

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



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



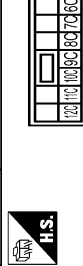
Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS1P-TM4



84	L	-
85	GR	-
86	G	-
87	W	-
88	Y	-
89	GR	-
90	SHIELD	-
91	V	-
92	SB	-

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

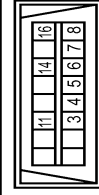
Connector No.	M3
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS12FW-CS



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

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

Connector No.	M24
Connector Name	DATA LINK CONNECTOR
Connector Type	BD10FW-P



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

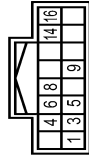
A  
B  
C  
D  
E  
F  
G  
H  
I  
J  
K  
DEF  
M  
N  
O  
P

# REAR WINDOW DEFOGGER SYSTEM

## < DTC/CIRCUIT DIAGNOSIS >

### DEFOGGER

Connector No.	M172
Connector Name	MULTIFUNCTION SWITCH
Connector Type	TH16FW-NH



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

Connector No.	M17
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4



Terminal No.	Color	Wire	Signal Name [Specification]
1	LG		
6	G		
7	SB		
31	SB		
33	SB		
34	LG		
40	Y		
41	G		
42	LG		
43	R		

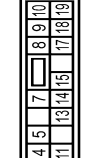
Terminal No.	Color	Wire	Signal Name [Specification]
45	G		
46	SHIELD		
47	P		
48	L		
49	SHIELD		
50	V		
59	R		
71	R		
80	W		
81	SHIELD		
82	P		
83	L		
84	G		
85	SHIELD		
86	R		
87	R		
88	R		
89	G		
90	Y		
91	V		
92	BR		
93	V		
94	Y		
95	G		
96	G		
97	R		
98	EG		
99	P		
100	L		

Connector No.	M118
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	M03PEP-LC



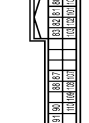
Terminal No.	Color	Wire	Signal Name [Specification]
1	W		BAT (E/L)
2	Y		POWER WINDOW POWER SUPPLY (BAT)
3	EG		POWER WINDOW POWER SUPPLY (RAP)

Connector No.	M119
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	NIS16FW-CS



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

Connector No.	M122
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40PEP-NH



Terminal No.	Color	Wire	Signal Name [Specification]
32	G		ROOM ANT 2-
73	C		ROOM ANT 2+
74	SB		PASSENGER DOOR ANT-
75	BR		PASSENGER DOOR ANT+
76	V		DRIVER DOOR ANT-
77	LG		DRIVER DOOR ANT+
78	Y		ROOM ANT 1-

Terminal No.	Color	Wire	Signal Name [Specification]
79	BR		ROOM ANT 1+
80	BR		M3S ANT AMP
81	W		M3S ANT AMP
82	SB		IGN RELAY (E/B) CONT
83	Y		KEYLESS ENTRY RECEIVER COMM
87	Y		COMBI SW INPUT 5
88	EG		COMBI SW INPUT 3
90	P		CAN-L
91	L		CAN-H
92	LG		KEY SLOT ILL CONT
93	GR		ON IND
95	EG		ACC RELAY CONT
96	GR		A/T SHIFT SELECTOR POWER SUPPLY
99	R		SHIFT P
100	R		PASSENGER DOOR RELEASE SW
101	P		DRIVER DOOR RELEASE SW
102	EG		BLOWER FAN MOTOR RELAY CONT
103	P		KEYLESS ENTRY RECEIVER POWER SUPPLY
107	LG		COMBI SW INPUT 4
108	R		COMBI SW INPUT 1
109	W		COMBI SW INPUT 2
110	G		HAZARD SW

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



Terminal No.	Color	Wire	Signal Name [Specification]
113	EG		OPTICAL SENSOR
116	SB		STOP LAMP SW 1
118	BR		STOP LAMP SW 2
119	SB		DR DOOR UNLOCK SENSOR
121	SB		KEYLESS SW
124	R		PASSENGER DOOR SW
129	EG		TRUNK LID OPERER CANCEL SW
132	V		POWER WINDOW SW COMM
133	L		PUSH-BUTTON IGNITION SW ILL POWER
134	LG		LOCK IND
137	EG		RECEIVER / SENSOR GND

# REAR WINDOW DEFOGGER SYSTEM

## < DTC/CIRCUIT DIAGNOSIS >

### DEFOGGER

138	Y	RECEIVER / SENSOR POWER SUPPLY
139	L	TIRE PRESSURE REGULATOR COMM
140	S	SECURITY AND LAMP CONT
141	BR	COMBI SW OUTPUT 5
142	BR	COMBI SW OUTPUT 1
143	P	COMBI SW OUTPUT 2
144	G	COMBI SW OUTPUT 3
145	L	COMBI SW OUTPUT 4
146	SB	COMBI SW OUTPUT 3
150	GR	DRIVER DOOR SW
151	G	REAR WINDOW DEFOGGER RELAY CONT

Connector No.	M174
Connector Name	WIRE TO WIRE
Connector Type	TH40MM-C515

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



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	
2	GR	
3	Y	
4	Y	
5	P	
6	BR	
7	R	
8	R	
9	R	
10	R	
11	R	
12	G	
13	R	
14	R	
24	R	
25	G	
26	SHIELD	
42	BG	
47	LG	
48	P	
49	GR	
50	G	
51	Y	
52	SHIELD	
53	SHIELD	
54	Y	



Connector No.	M202
Connector Name	AV CONTROL UNIT
Connector Type	TH32FW-NH

36	37	38	39	40	41	42	43	44	45	46	47
48	49	50	51	52	53	54	55	56	57	58	59



Terminal No.	Color Of Wire	Signal Name [Specification]
36	BG	SIGNAL VCC
37	LG	SIGNAL GND
38	L	COMM (DISP-COMT)
39	R	RGB AREA (YS) SIGNAL
40	R	SHIELD
41	SHIELD	
42	W	RGB SYNC
43	G	RGB (R/RED) SIGNAL
44	L	RGB (G/GREEN) SIGNAL
45	P	RGB (B/BLUE) SIGNAL
46	Y	COMPOSITE IMAGE SIGNAL
47	BR	COMPOSITE IMAGE GND
48	Y	INVERTER VCC
49	GR	INVERTER GND
50	G	V <sub>P</sub> -DISP
51	SHIELD	COMM (DISP)
52	SHIELD	
53	SHIELD	
54	SHIELD	
55	SHIELD	

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

67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----



Terminal No.	Color Of Wire	Signal Name [Specification]
76	SB	AV COMM (L)
77	SB	AV COMM (H)
78	LG	AV COMM (L)
79	SB	AV COMM (H)
80	P	CAN-L
81	L	CAN-H
82	BR	SW GND
86	SHIELD	
87	L	TEL VOICE SIGNAL (+)
88	P	TEL VOICE SIGNAL (-)
92	R	VEHICLE SPEED (0-PULSE)
93	SB	PARKING BRAKE
94	BG	REVERSE
95	G	IGNITION
96	Y	ESPC SIGNAL

Connector No.	M210
Connector Name	AV CONTROL UNIT
Connector Type	TH32FW-NH

70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----



Terminal No.	Color Of Wire	Signal Name [Specification]
65	SB	PARKING BRAKE
67	P	COMPOSITE IMAGE GND
68	L	COMPOSITE IMAGE SIGNAL
71	SHIELD	MICROPHONE GND
72	G	MICROPHONE VCC
73	P	COMM (CONT-DISP)
74	P	CAN-L
75	LG	AV COMM (L)
76	LG	AV COMM (L)
79	L	ILLUMINATION
80	G	REVERSE
81	BG	REVERSE
82	R	VEHICLE SPEED (0-PULSE)
83	SHIELD	
87	R	MICROPHONE SIGNAL
88	SHIELD	
89	L	COMM (DISP-COMT)

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

# BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

## ECU DIAGNOSIS INFORMATION

### BCM (BODY CONTROL MODULE)

#### Reference Value

INFOID:0000000011401516

#### VALUES ON THE DIAGNOSIS TOOL

##### NOTE:

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

##### CONSULT MONITOR ITEM

Monitor Item	Condition	Value/Status
FR WIPER HI	Other than front wiper switch HI	Off
	Front wiper switch HI	On
FR WIPER LOW	Other than front wiper switch LO	Off
	Front wiper switch LO	On
FR WASHER SW	Front washer switch OFF	Off
	Front washer switch ON	On
FR WIPER INT	Other than front wiper switch INT/AUTO	Off
	Front wiper switch INT/AUTO	On
FR WIPER STOP	Front wiper is not in STOP position	Off
	Front wiper is in STOP position	On
INT VOLUME	Wiper volume dial is in a dial position 1 - 7	Wiper volume 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	<b>NOTE:</b> 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

## BCM (BODY CONTROL MODULE)

### < ECU DIAGNOSIS INFORMATION >

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

## BCM (BODY CONTROL MODULE)

### < ECU DIAGNOSIS INFORMATION >

Monitor Item	Condition	Value/Status
REQ SW -AS	Passenger door request switch is not pressed	Off
	Passenger door request switch is pressed	On
REQ SW -RR	<b>NOTE:</b> The item is indicated, but not monitored.	Off
REQ SW -RL	<b>NOTE:</b> The item is indicated, but not monitored.	Off
REQ SW -BD/TR	Trunk lid opener request switch is not pressed	Off
	Trunk lid opener 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	<b>NOTE:</b> The item is indicated, but not monitored.	Off
ACC RLY -F/B	<b>NOTE:</b> The item is indicated, but not monitored.	Off
CLUCH SW	<b>NOTE:</b> The item is indicated, but not monitored.	Off
BRAKE SW 1	The brake pedal is depressed when No. 7 fuse is blown	Off
	The brake pedal is not depressed when No. 7 fuse is blown, or No. 7 fuse is normal	On
BRAKE SW 2	The brake pedal is not depressed	Off
	The brake pedal is depressed	On
DETE/CANCL SW	Selector lever in P position	Off
	Selector lever in any position other than P	On
SFT PN/N SW	Selector lever in any position other than P and N	Off
	Selector lever in P or N position	On
S/L -LOCK	<b>NOTE:</b> The item is indicated, but not monitored.	Off
S/L -UNLOCK	<b>NOTE:</b> The item is indicated, but not monitored.	Off
S/L RELAY-F/B	<b>NOTE:</b> The item is indicated, but not monitored.	Off
UNLK SEN -DR	Driver door is unlocked	Off
	Driver door is locked	On
PUSH SW -IPDM	Push-button ignition switch (push-switch) is not pressed	Off
	Push-button ignition switch (push-switch) is pressed	On
IGN RLY1 -F/B	Ignition switch in OFF or ACC position	Off
	Ignition switch in ON position	On
DETE SW -IPDM	Selector lever in any position other than P	Off
	Selector lever in P position	On
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

## BCM (BODY CONTROL MODULE)

### < ECU DIAGNOSIS INFORMATION >

Monitor Item	Condition	Value/Status	
ENGINE STATE	Engine stopped	Stop	A
	While the engine stalls	Stall	
	At engine cranking	Crank	B
	Engine running	Run	
S/L LOCK-IPDM	<b>NOTE:</b> The item is indicated, but not monitored.	Off	C
S/L UNLK-IPDM	<b>NOTE:</b> The item is indicated, but not monitored.	Off	
S/L RELAY-REQ	<b>NOTE:</b> The item is indicated, but not monitored.	Off	D
VEH SPEED 1	While driving	Equivalent to speedometer reading	E
VEH SPEED 2	While driving	Equivalent to speedometer reading	
DOOR STAT-DR	Driver door is locked	LOCK	F
	Wait with selective UNLOCK operation (60 seconds)	READY	
	Driver door is unlocked	UNLOCK	G
DOOR STAT-AS	Passenger door is locked	LOCK	
	Wait with selective UNLOCK operation (60 seconds)	READY	H
	Passenger door is unlocked	UNLOCK	
ID OK FLAG	Driver side door is open after ignition switch is turned OFF (Shift position is in the P position)	Reset	I
	Ignition switch ON	Set	
PRMT ENG STRT	The engine start is prohibited	Reset	J
	The engine start is permitted	Set	
PRMT RKE STRT	<b>NOTE:</b> The item is indicated, but not monitored.	Reset	K
KEY SW -SLOT	The Intelligent Key is not inserted into key slot	Off	
	The Intelligent Key is inserted into key slot	On	
RKE OPE COUN1	During the operation of the Intelligent Key	Operation frequency of the Intelligent Key	DEF
RKE OPE COUN2	<b>NOTE:</b> The item is indicated, but not monitored.	—	
CONFIRM ID ALL	The key ID that the key slot receives is not recognized by any key ID registered to BCM.	Yet	M
	The key ID that the key slot receives is recognized by any key ID registered to BCM.	Done	
CONFIRM ID4	The key ID that the key slot receives is not recognized by the fourth key ID registered to BCM.	Yet	N
	The key ID that the key slot receives is recognized by the fourth key ID registered to BCM.	Done	O
CONFIRM ID3	The key ID that the key slot receives is not recognized by the third key ID registered to BCM.	Yet	
	The key ID that the key slot receives is recognized by the third key ID registered to BCM.	Done	P
CONFIRM ID2	The key ID that the key slot receives is not recognized by the second key ID registered to BCM.	Yet	
	The key ID that the key slot receives is recognized by the second key ID registered to BCM.	Done	

## BCM (BODY CONTROL MODULE)

### < ECU DIAGNOSIS INFORMATION >

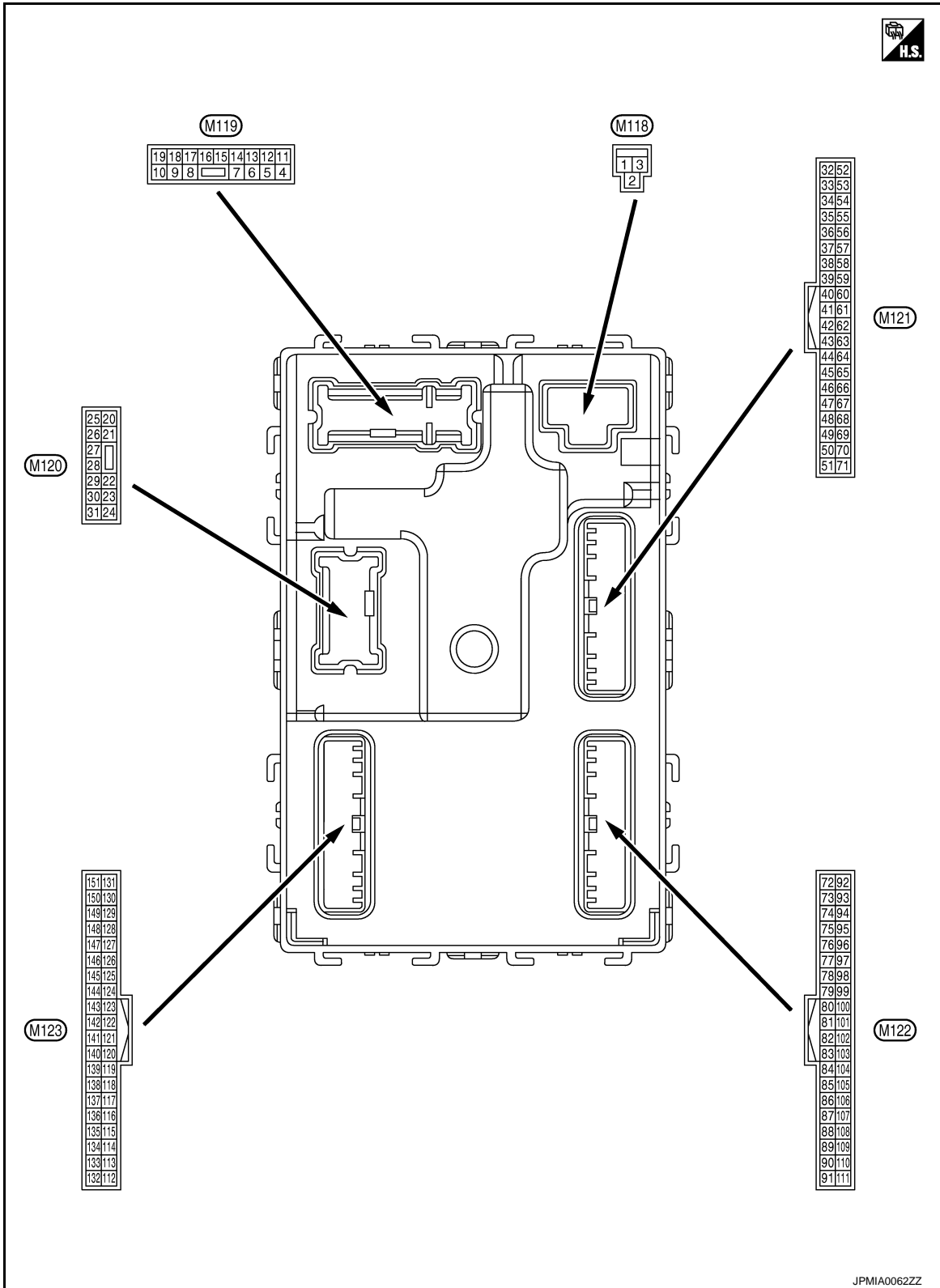
Monitor Item	Condition	Value/Status
CONFIRM ID1	The key ID that the key slot receives is not recognized by the first key ID registered to BCM.	Yet
	The key ID that the key slot receives is recognized by the first key ID registered to BCM.	Done
TP 4	The ID of fourth Intelligent Key is not registered to BCM	Yet
	The ID of fourth Intelligent Key is registered to BCM	Done
TP 3	The ID of third Intelligent Key is not registered to BCM	Yet
	The ID of third Intelligent Key is registered to BCM	Done
TP 2	The ID of second Intelligent Key is not registered to BCM	Yet
	The ID of second Intelligent Key is registered to BCM	Done
TP 1	The ID of first Intelligent Key is not registered to BCM	Yet
	The ID of first Intelligent Key is registered to BCM	Done
AIR PRESS FL	Ignition switch ON (Only when the signal from the transmitter is received)	Air pressure of front LH tire
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
AIR PRESS RL	Ignition switch ON (Only when the signal from the transmitter is received)	Air pressure of rear LH tire
ID REGST FL1	ID of front LH tire transmitter is registered	Done
	ID of front LH tire transmitter is not registered	Yet
ID REGST FR1	ID of front RH tire transmitter is registered	Done
	ID of front RH tire transmitter is not registered	Yet
ID REGST RR1	ID of rear RH tire transmitter is registered	Done
	ID of rear RH tire transmitter is not registered	Yet
ID REGST RL1	ID of rear LH tire transmitter is registered	Done
	ID of rear LH tire transmitter is not registered	Yet
WARNING LAMP	Tire pressure indicator OFF	Off
	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 INFORMATION >

## TERMINAL LAYOUT

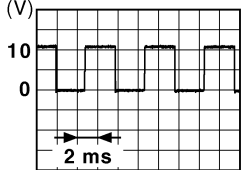


## PHYSICAL VALUES

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

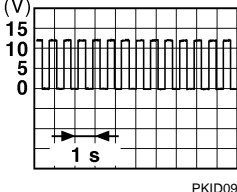
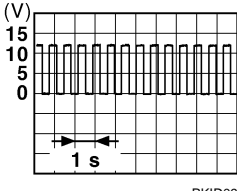
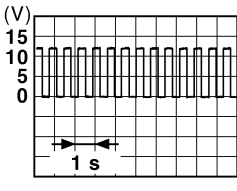
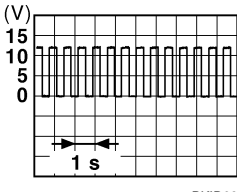
# BCM (BODY CONTROL MODULE)

## < ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition		Value (Approx.)
		Signal name	Input/ Output			
+	-					
1 (W)	Ground	Battery power supply	Input	Ignition switch OFF		Battery voltage
2 (Y)	Ground	P/W power supply (BAT)	Output	Ignition switch OFF		12 V
3 (BG)	Ground	P/W power supply (RAP)	Output	Ignition switch ON		12 V
4 (LG)	Ground	Interior room lamp power supply	Output	Interior room lamp battery saver is activated. (Cuts the interior room lamp power supply)		0 V
				Interior room lamp battery saver is not activated. (Outputs the interior room lamp power supply)		12 V
5 (P)	Ground	Passenger door UN- LOCK	Output	Passenger door	UNLOCK (Actuator is activated)	12 V
					Other than UNLOCK) Actuator is not activated	0 V
7 (SB)	Ground	Step lamp	Output	Step lamp	ON	0 V
					OFF	12 V
8 (V)	Ground	All doors, fuel lid LOCK	Output	All doors, fuel lid	LOCK (Actuator is activated)	12 V
					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 activated)	12 V
					Other than UNLOCK (Actuator is not activated)	0 V
10 (P)	Ground	Rear RH door and rear LH door UN- LOCK	Output	Rear RH door and rear LH door	UNLOCK (Actuator is activated)	12 V
					Other than UNLOCK (Actuator is not activated)	0 V
11 (R)	Ground	Battery power supply	Input	Ignition switch OFF		Battery voltage
13 (B)	Ground	Ground	—	Ignition switch ON		0 V
14 (W)	Ground	Push-button ignition switch illumination ground	Output	Tail lamp	OFF	0 V
					ON	<p><b>NOTE:</b> When the illumination brightening/dimming level is in the neutral position.</p>  <p style="text-align: right; font-size: small;">JSNIA0010GB</p>
15 (BG)	Ground	ACC indicator lamp	Output	Ignition switch	OFF (LOCK indicator is not illuminated)	Battery voltage
					ACC	0 V

# BCM (BODY CONTROL MODULE)

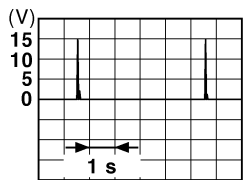
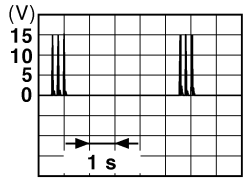
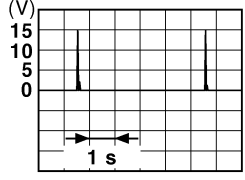
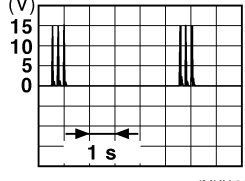
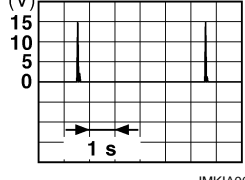
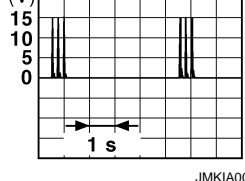
## < ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition	Value (Approx.)	
		Signal name	Input/ Output			
+	-					
17 (W)	Ground	Turn signal RH (Front)	Output	Ignition switch ON	Turn signal switch OFF	0 V
					Turn signal switch RH	 6.5 V
18 (BG)	Ground	Turn signal LH (Front)	Output	Ignition switch ON	Turn signal switch OFF	0 V
					Turn signal switch LH	 6.5 V
19 (V)	Ground	Interior room lamp control	Output	Interior room lamp	OFF	12 V
					ON	0 V
20 (V)	Ground	Turn signal RH (Rear)	Output	Ignition switch ON	Turn signal switch OFF	0 V
					Turn signal switch RH	 6.5 V
23 (LG)	Ground	Trunk lid open	Output	Trunk lid	OPEN (Trunk lid opener actuator is activated)	12 V
					Other than OPEN (Trunk lid opener actuator is not activated)	0 V
25 (Y)	Ground	Turn signal LH (Rear)	Output	Ignition switch ON	Turn signal switch OFF	0 V
					Turn signal switch LH	 6.5 V
30 (P)	Ground	Trunk room lamp	Output	Trunk room lamp	ON	0 V
					OFF	12 V

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

# BCM (BODY CONTROL MODULE)

## < ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition	Value (Approx.)
+	-	Signal name	Input/ Output		
34 (SB)	Ground	Trunk room antenna (-)	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 (+)	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 opener re- quest 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>

# BCM (BODY CONTROL MODULE)

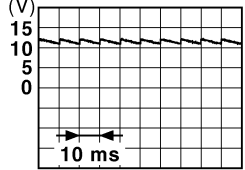
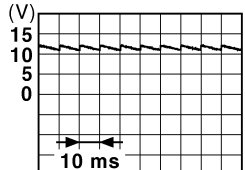
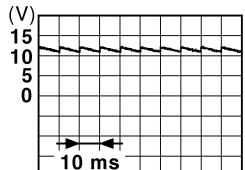
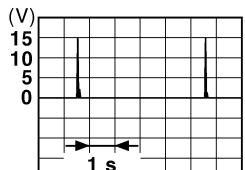
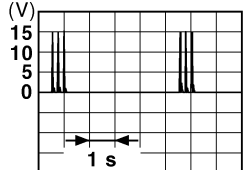
## < ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition	Value (Approx.)				
+	-	Signal name	Input/ Output						
39 (W)	Ground	Rear bumper antenna (+)	Output	When Intelligent Key is in the antenna detection area	<p style="text-align: right; font-size: small;">JMKIA0062GB</p>				
				When the trunk lid opener request switch is operated with ignition switch OFF	<p style="text-align: right; font-size: small;">JMKIA0063GB</p>				
47 (Y)	Ground	Ignition relay (IPDM E/R) control	Output	Ignition switch	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>OFF or ACC</td> <td style="text-align: center;">12 V</td> </tr> <tr> <td>ON</td> <td style="text-align: center;">0 V</td> </tr> </table>	OFF or ACC	12 V	ON	0 V
				OFF or ACC	12 V				
ON	0 V								
50 (BG)	Ground	Trunk room lamp switch	Input	Trunk room lamp switch	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>OFF (Trunk lid is closed)</td> <td> <p style="text-align: right; font-size: small;">JPMIA0011GB</p> </td> </tr> <tr> <td>ON (Trunk lid is opened)</td> <td style="text-align: center;">0 V</td> </tr> </table>	OFF (Trunk lid is closed)	<p style="text-align: right; font-size: small;">JPMIA0011GB</p>	ON (Trunk lid is opened)	0 V
				OFF (Trunk lid is closed)	<p style="text-align: right; font-size: small;">JPMIA0011GB</p>				
ON (Trunk lid is opened)	0 V								
52 (R)	Ground	Starter relay control	Output	Ignition switch ON	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>When selector lever is in P or N position</td> <td style="text-align: center;">12 V</td> </tr> <tr> <td>When selector lever is not in P or N position</td> <td style="text-align: center;">0 V</td> </tr> </table>	When selector lever is in P or N position	12 V	When selector lever is not in P or N position	0 V
				When selector lever is in P or N position	12 V				
When selector lever is not in P or N position	0 V								
60 (BR)	Ground	Push-button ignition switch (Push switch)	Input	Push-button ignition switch (push switch)	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Pressed</td> <td style="text-align: center;">0 V</td> </tr> <tr> <td>Not pressed</td> <td style="text-align: center;">Battery voltage</td> </tr> </table>	Pressed	0 V	Not pressed	Battery voltage
				Pressed	0 V				
Not pressed	Battery voltage								
61 (SB)	Ground	Trunk lid opener request switch	Input	Trunk lid opener request switch	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>ON (Pressed)</td> <td style="text-align: center;">0 V</td> </tr> <tr> <td>OFF (Not pressed)</td> <td> <p style="text-align: right; font-size: small;">JPMIA0016GB</p> </td> </tr> </table>	ON (Pressed)	0 V	OFF (Not pressed)	<p style="text-align: right; font-size: small;">JPMIA0016GB</p>
				ON (Pressed)	0 V				
OFF (Not pressed)	<p style="text-align: right; font-size: small;">JPMIA0016GB</p>								
64 (G)	Ground	Intelligent Key warning buzzer (Engine room)	Output	Intelligent Key warning buzzer (Engine room)	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Sounding</td> <td style="text-align: center;">0 V</td> </tr> <tr> <td>Not sounding</td> <td style="text-align: center;">12 V</td> </tr> </table>	Sounding	0 V	Not sounding	12 V
				Sounding	0 V				
Not sounding	12 V								

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

# BCM (BODY CONTROL MODULE)

## < ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition	Value (Approx.)	
+	-	Signal name	Input/ Output			
67 (GR)	Ground	Trunk lid opener switch	Input	Trunk lid open- er switch	Pressed	0 V
					Not pressed	 <p style="text-align: right; font-size: small;">JPMIA0011GB</p>
68 (BG)	Ground	Rear RH door switch	Input	Rear RH door switch	OFF (When rear RH door closes)	 <p style="text-align: right; font-size: small;">JPMIA0011GB</p>
					ON (When rear RH door opens)	0 V
69 (L)	Ground	Rear LH door switch	Input	Rear LH door switch	OFF (When rear LH door closes)	 <p style="text-align: right; font-size: small;">JPMIA0011GB</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	 <p style="text-align: right; font-size: small;">JMKIA0062GB</p>
					When Intelligent Key is not in the passenger compart- ment	 <p style="text-align: right; font-size: small;">JMKIA0063GB</p>

# BCM (BODY CONTROL MODULE)

## < ECU DIAGNOSIS INFORMATION >

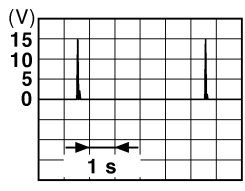
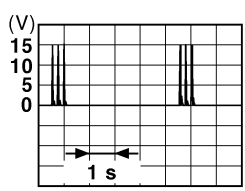
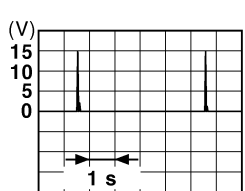
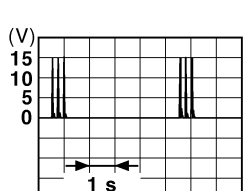
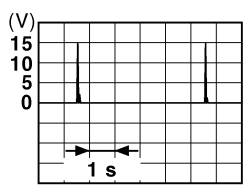
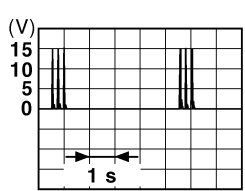
Terminal No. (Wire color)		Description		Condition	Value (Approx.)
+	-	Signal name	Input/ Output		
73 (G)	Ground	Room antenna 2 (+) (Center console)	Output	Ignition switch OFF	<p style="text-align: right; font-size: small;">JMKIA0062GB</p>
				When Intelligent Key is not in the passenger compart- ment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

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

DEF

# BCM (BODY CONTROL MODULE)

## < ECU DIAGNOSIS INFORMATION >

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



# BCM (BODY CONTROL MODULE)

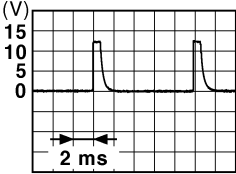


## < ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition	Value (Approx.)	
+	-	Signal name	Input/ Output			
79 (BR)	Ground	Room antenna 1 (+) (Instrument panel)	Output	Ignition switch OFF		
				When Intelligent Key is not in the passenger compart- ment		
80 (GR)	Ground	NATS antenna amp.	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.	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 (SB)	Ground	Ignition relay [Fuse block (J/B)] control	Output	Ignition switch	OFF or ACC	0 V
					ON	12 V
83 (Y)	Ground	Remote keyless entry receiver communica- tion	Input/ Output	During waiting		
				When operating either button on the Intelli- gent Key		

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

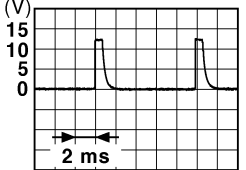

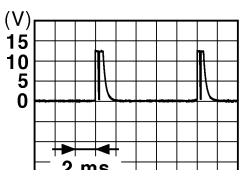

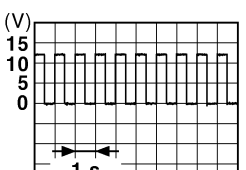
# BCM (BODY CONTROL MODULE)

## < ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition	Value (Approx.)
+	-	Signal name	Input/ Output		
87 (Y)	Ground	Combination switch INPUT 5	Input	Combination switch	All switches OFF (Wiper volume dial 4) <div style="text-align: right;">  <p style="font-size: small; margin: 0;">JPMIA0041GB</p> <p style="margin: 0;">1.4 V</p> </div>
				Combination switch	Front fog lamp switch ON (Wiper volume dial 4) <div style="text-align: right;">  <p style="font-size: small; margin: 0;">JPMIA0037GB</p> <p style="margin: 0;">1.3 V</p> </div>
				Any of the conditions be- low with all switches OFF <ul style="list-style-type: none"> <li>Wiper volume dial 1</li> <li>Wiper volume dial 2</li> <li>Wiper volume dial 6</li> <li>Wiper volume dial 7</li> </ul>	<div style="text-align: right;">  <p style="font-size: small; margin: 0;">JPMIA0040GB</p> <p style="margin: 0;">1.3 V</p> </div>

# BCM (BODY CONTROL MODULE)

## < ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition	Value (Approx.)	
+	-	Signal name	Input/ Output			
88 (BG)	Ground	Combination switch INPUT 3	Input	Combination switch	All switches OFF (Wiper volume dial 4)	 <p style="text-align: right; font-size: small;">JPMAI0041GB</p> <p style="text-align: center;">1.4 V</p>
					Lighting switch HI (Wiper volume dial 4)	 <p style="text-align: right; font-size: small;">JPMAI0036GB</p> <p style="text-align: center;">1.3 V</p>
					Lighting switch 2ND (Wiper volume dial 4)	 <p style="text-align: right; font-size: small;">JPMAI0037GB</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"> <li>• Wiper volume dial 1</li> <li>• Wiper volume dial 2</li> <li>• Wiper volume dial 3</li> </ul>	 <p style="text-align: right; font-size: small;">JPMAI0040GB</p> <p style="text-align: center;">1.3 V</p>
90 (P)	Ground	CAN-L	Input/ Output	—	—	
91 (L)	Ground	CAN-H	Input/ Output	—	—	
92 (LG)	Ground	Key slot illumination	Output	Key slot illumi- nation	OFF	12 V
					Blinking	 <p style="text-align: right; font-size: small;">JPMAI0015GB</p> <p style="text-align: center;">6.5 V</p>
93 (GR)	Ground	ON indicator lamp	Output	Ignition switch	OFF (LOCK indicator is not illuminated)	Battery voltage
					ON	0 V

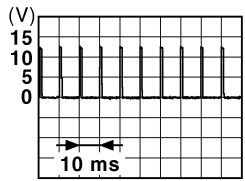
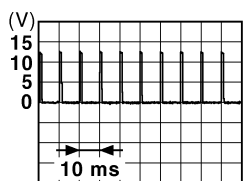
A  
B  
C  
D  
E  
F  
G  
H  
I  
J  
K

DEF

M  
N  
O  
P

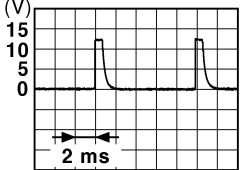

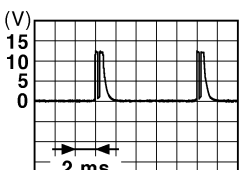

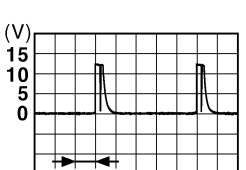
# BCM (BODY CONTROL MODULE)

## < ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition		Value (Approx.)
+	-	Signal name	Input/ Output			
95 (BG)	Ground	ACC relay control	Output	Ignition switch	OFF	0 V
					ACC or ON	12 V
96 (GR)	Ground	A/T shift selector (Detention switch) power supply	Output	—		12 V
99 (R)	Ground	Selector lever P position switch	Input	Selector lever	P position	0 V
					Any position other than P	12 V
100 (Y)	Ground	Passenger door request switch	Input	Passenger door request switch	ON (Pressed)	0 V
					OFF (Not pressed)	 <p style="text-align: right; font-size: small;">JPMIA0016GB</p>
101 (P)	Ground	Driver door request switch	Input	Driver door request switch	ON (Pressed)	0 V
					OFF (Not pressed)	 <p style="text-align: right; font-size: small;">JPMIA0016GB</p>
102 (BG)	Ground	Blower fan motor relay control	Output	Ignition switch	OFF or ACC	0 V
					ON	12 V
103 (P)	Ground	Remote keyless entry receiver power supply	Output	Ignition switch OFF		12 V

# BCM (BODY CONTROL MODULE)

## < ECU DIAGNOSIS INFORMATION >

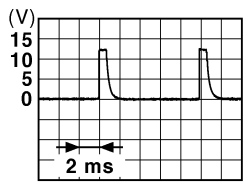
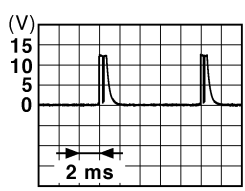
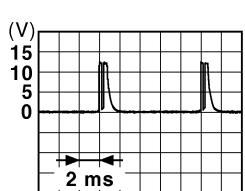
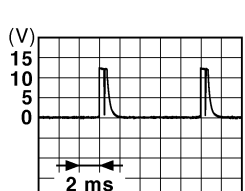
Terminal No. (Wire color)		Description		Condition	Value (Approx.)	
		Signal name	Input/ Output			
+	-					
107 (LG)	Ground	Combination switch INPUT 1	Input	Combination switch (Wiper volume dial 4)	All switches OFF	 <p style="text-align: right; margin-right: 50px;">JPMAI0041GB</p> <p style="text-align: center;">1.4 V</p>
					Turn signal switch LH	 <p style="text-align: right; margin-right: 50px;">JPMAI0037GB</p> <p style="text-align: center;">1.3 V</p>
					Turn signal switch RH	 <p style="text-align: right; margin-right: 50px;">JPMAI0036GB</p> <p style="text-align: center;">1.3 V</p>
					Front wiper switch LO	 <p style="text-align: right; margin-right: 50px;">JPMAI0038GB</p> <p style="text-align: center;">1.3 V</p>
					Front washer switch ON	 <p style="text-align: right; margin-right: 50px;">JPMAI0039GB</p> <p style="text-align: center;">1.3 V</p>

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

DEF

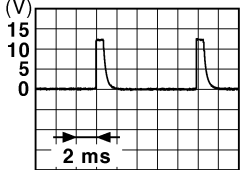

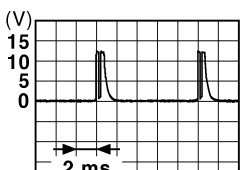
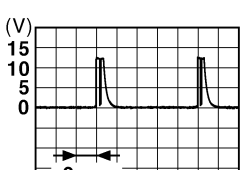
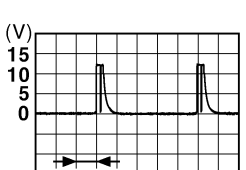
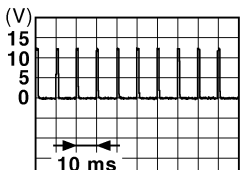
# BCM (BODY CONTROL MODULE)

## < ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition	Value (Approx.)
+	-	Signal name	Input/ Output		
108 (R)	Ground	Combination switch INPUT 4	Input	Combination switch	<div style="display: flex; flex-direction: column; align-items: center;"> <div style="text-align: center;">                     All switches OFF (Wiper volume dial 4)                 </div> <div style="text-align: center;">  <p style="font-size: small; margin-top: 5px;">JPMA0041GB</p> </div> <div style="text-align: center;">1.4 V</div> </div>
				Lighting switch AUTO (Wiper volume dial 4)	<div style="display: flex; flex-direction: column; align-items: center;"> <div style="text-align: center;">                     Lighting switch AUTO (Wiper volume dial 4)                 </div> <div style="text-align: center;">  <p style="font-size: small; margin-top: 5px;">JPMA0038GB</p> </div> <div style="text-align: center;">1.3 V</div> </div>
				Lighting switch 1ST (Wiper volume dial 4)	<div style="display: flex; flex-direction: column; align-items: center;"> <div style="text-align: center;">                     Lighting switch 1ST (Wiper volume dial 4)                 </div> <div style="text-align: center;">  <p style="font-size: small; margin-top: 5px;">JPMA0036GB</p> </div> <div style="text-align: center;">1.3 V</div> </div>
				Any of the conditions below with all switches OFF	<div style="display: flex; flex-direction: column; align-items: center;"> <div style="text-align: center;">                     Any of the conditions below with all switches OFF                     <ul style="list-style-type: none"> <li>Wiper volume dial 1</li> <li>Wiper volume dial 5</li> <li>Wiper volume dial 6</li> </ul> </div> <div style="text-align: center;">  <p style="font-size: small; margin-top: 5px;">JPMA0039GB</p> </div> <div style="text-align: center;">1.3 V</div> </div>

# BCM (BODY CONTROL MODULE)

## < ECU DIAGNOSIS INFORMATION >

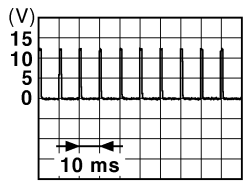
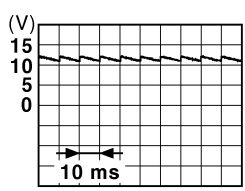
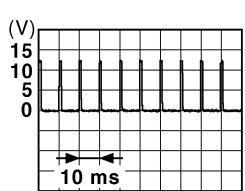
Terminal No. (Wire color)		Description		Condition	Value (Approx.)	
+	-	Signal name	Input/ Output			
109 (W)	Ground	Combination switch INPUT 2	Input	Combination switch (Wiper volume dial 4)	All switches OFF	 <p style="text-align: right;">JPMA0041GB</p> <p style="text-align: center;">1.4 V</p>
					Lighting switch PASS	 <p style="text-align: right;">JPMA0037GB</p> <p style="text-align: center;">1.3 V</p>
					Lighting switch 2ND	 <p style="text-align: right;">JPMA0036GB</p> <p style="text-align: center;">1.3 V</p>
					Front wiper switch INT/ AUTO	 <p style="text-align: right;">JPMA0038GB</p> <p style="text-align: center;">1.3 V</p>
					Front wiper switch HI	 <p style="text-align: right;">JPMA0040GB</p> <p style="text-align: center;">1.3 V</p>
					ON	0 V
110 (G)	Ground	Hazard switch	Input	Hazard switch	ON	
				Hazard switch	OFF	 <p style="text-align: right;">JPMA0012GB</p> <p style="text-align: center;">1.1 V</p>

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

DEF

# BCM (BODY CONTROL MODULE)

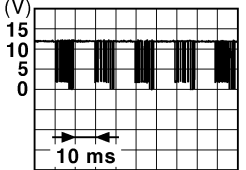
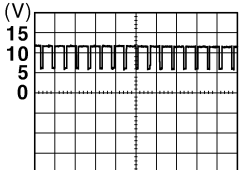
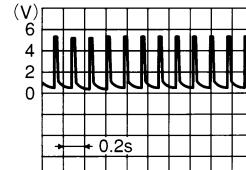
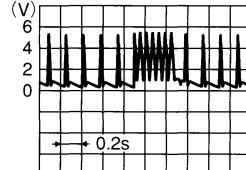
## < ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition		Value (Approx.)
		Signal name	Input/ Output			
+	-					
113 (BG)	Ground	Optical sensor	Input	Ignition switch ON	When bright outside of the vehicle	Close to 5 V
					When dark outside of the vehicle	Close to 0 V
116 (SB)	Ground	Stop lamp switch 1	Input	—		Battery voltage
118 (BR)	Ground	Stop lamp switch 2 (Without ICC)	Input	Stop lamp switch	OFF (Brake pedal is not depressed)	0 V
					ON (Brake pedal is de- pressed)	Battery voltage
		Stop lamp switch 2 (With ICC)		Stop lamp switch OFF (Brake pedal is not depressed) and ICC brake hold relay OFF		0 V
				Stop lamp switch ON (Brake pedal is de- pressed) or ICC brake hold relay ON		Battery voltage
119 (SB)	Ground	Front door lock as- sembly driver side (Unlock sensor)	Input	Driver door	LOCK status (Unlock sensor switch OFF)	 1.1 V
					UNLOCK status (Unlock switch sensor ON)	0 V
121 (SB)	Ground	Key slot switch	Input	When the Intelligent Key is inserted into key slot		12 V
				When the Intelligent Key is not inserted into key slot		0 V
123 (V)	Ground	IGN feedback	Input	Ignition switch	OFF or ACC	0 V
					ON	Battery voltage
124 (R)	Ground	Passenger door switch	Input	Passenger door switch	OFF (Door close)	 11.8 V
					ON (Door open)	0 V
129 (BG)	Ground	Trunk lid opener can- cel switch	Input	Trunk lid open- er cancel switch	CANCEL	 1.1 V
					ON	0 V



# BCM (BODY CONTROL MODULE)

## < ECU DIAGNOSIS INFORMATION >

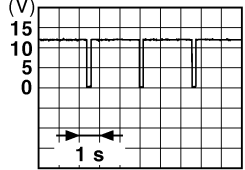
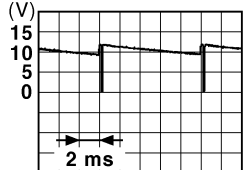
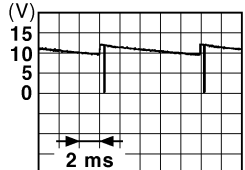
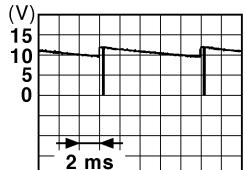
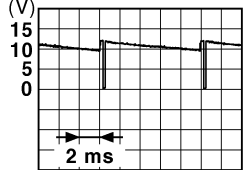
Terminal No. (Wire color)		Description		Condition	Value (Approx.)
+	-	Signal name	Input/ Output		
132 (V)	Ground	Power window switch communication	Input/ Output	Ignition switch ON	 10.2 V
				Ignition switch OFF or ACC	12 V
133 (L)	Ground	Push-button ignition switch illumination	Output	ON (Tail lamps OFF)	9.5 V
				ON (Tail lamps ON)	<p><b>NOTE:</b> The pulse width of this wave is varied by the illumination brightening/dimming level.</p>  
				OFF	0 V
134 (LG)	Ground	LOCK indicator lamp	Output	LOCK indicator lamp	OFF
				ON	Battery voltage
137 (BG)	Ground	Receiver and sensor ground	Input	Ignition switch ON	0 V
138 (V)	Ground	Receiver and sensor power supply	Output	Ignition switch	OFF
				ACC or ON	5.0 V
139 (L)	Ground	Tire pressure receiver communication	Input/ Output	Ignition switch ON	 
				When receiving the signal from the transmitter	 
140 (B)	Ground	Selector lever P/N position	Input	Selector lever	P or N position
				Except P and N positions	0 V

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

DEF

# BCM (BODY CONTROL MODULE)

## < ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition	Value (Approx.)
+	-	Signal name	Input/ Output		
141 (W)	Ground	Security indicator lamp	Output	Security indicator lamp	0 V
				Blinking	 <p style="text-align: right; font-size: small;">JPMIA0014GB</p>
142 (BR)	Ground	Combination switch OUTPUT 5	Output	Combination switch (Wiper volume dial 4)	12 V
				All switches OFF	0 V
				Lighting switch 1ST	 <p style="text-align: right; font-size: small;">JPMIA0031GB</p>
				Lighting switch HI	
				Lighting switch 2ND	
Turn signal switch RH					
143 (P)	Ground	Combination switch OUTPUT 1	Output	Combination switch	0 V
			All switches OFF (Wiper volume dial 4)	0 V	
			Front wiper switch HI (Wiper volume dial 4)	 <p style="text-align: right; font-size: small;">JPMIA0032GB</p>	
Any of the conditions below with all switches OFF					
144 (G)	Ground	Combination switch OUTPUT 2	Output	Combination switch	0 V
			All switches OFF (Wiper volume dial 4)	0 V	
			Front washer switch ON (Wiper volume dial 4)	 <p style="text-align: right; font-size: small;">JPMIA0033GB</p>	
Any of the conditions below with all switches OFF					
145 (L)	Ground	Combination switch OUTPUT 3	Output	Combination switch (Wiper volume dial 4)	0 V
			All switches OFF	0 V	
			Front wiper switch INT/AUTO	 <p style="text-align: right; font-size: small;">JPMIA0034GB</p>	
			Front wiper switch LO		
Lighting switch AUTO	10.7 V				

# BCM (BODY CONTROL MODULE)

## < ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition	Value (Approx.)
+	-	Signal name	Input/ Output		
146 (SB)	Ground	Combination switch OUTPUT 4	Output	All switches OFF	0 V
				Front fog lamp switch ON	<p style="text-align: right; font-size: small;">JPMA0035GB</p>
				Lighting switch 2ND	
				Lighting switch PASS	
				Turn signal switch LH	
150 (GR)	Ground	Driver door switch	Input	Driver door switch	<p style="text-align: right; font-size: small;">JPMA0011GB</p>
				OFF (Door close)	
151 (G)	Ground	Rear window defogger relay control	Output	Rear window defogger	Active 0 V Not activated Battery voltage
				ON (Door open)	

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

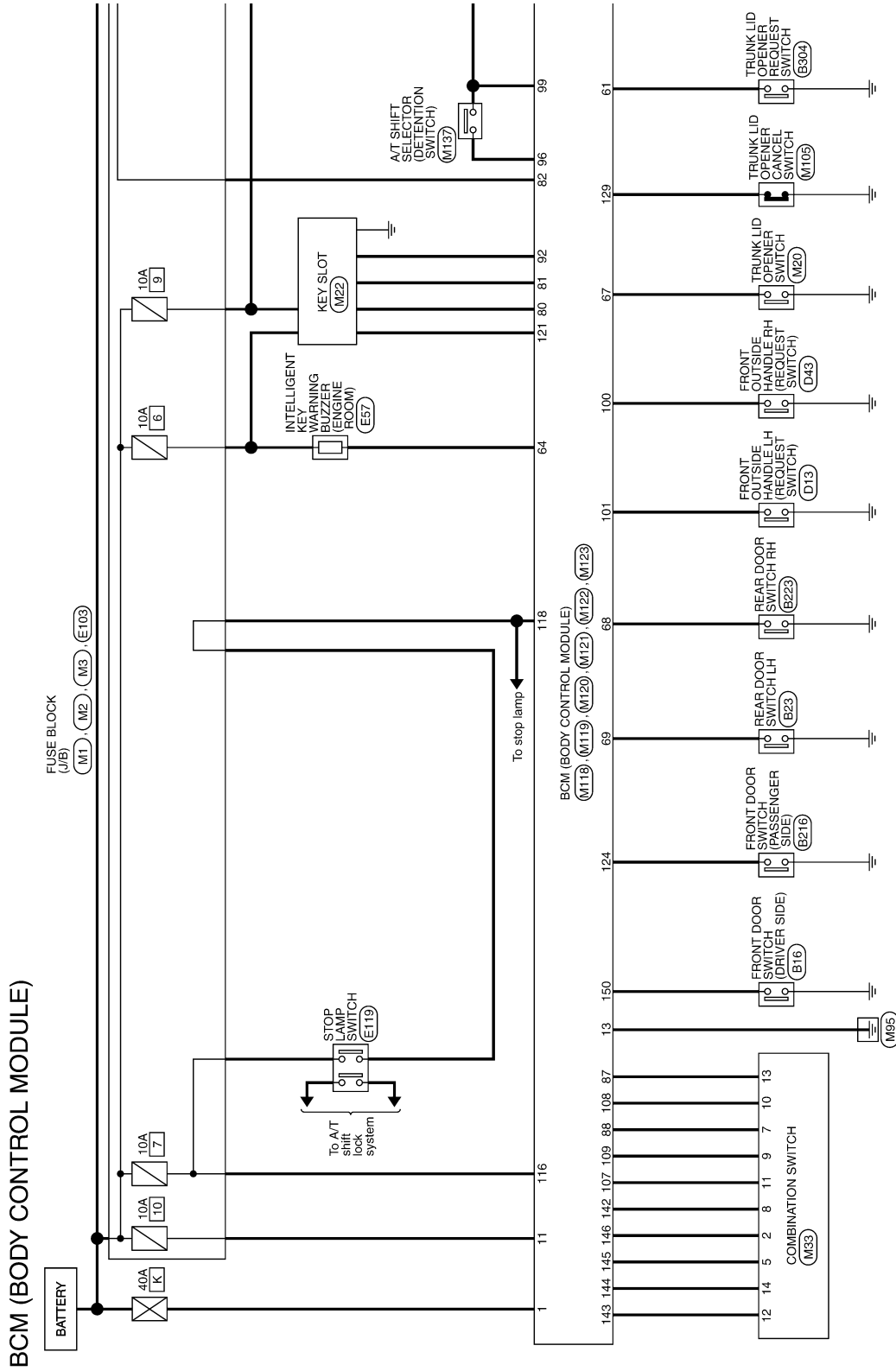
DEF

# BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

## Wiring Diagram - BCM -

INFOID:000000011401517

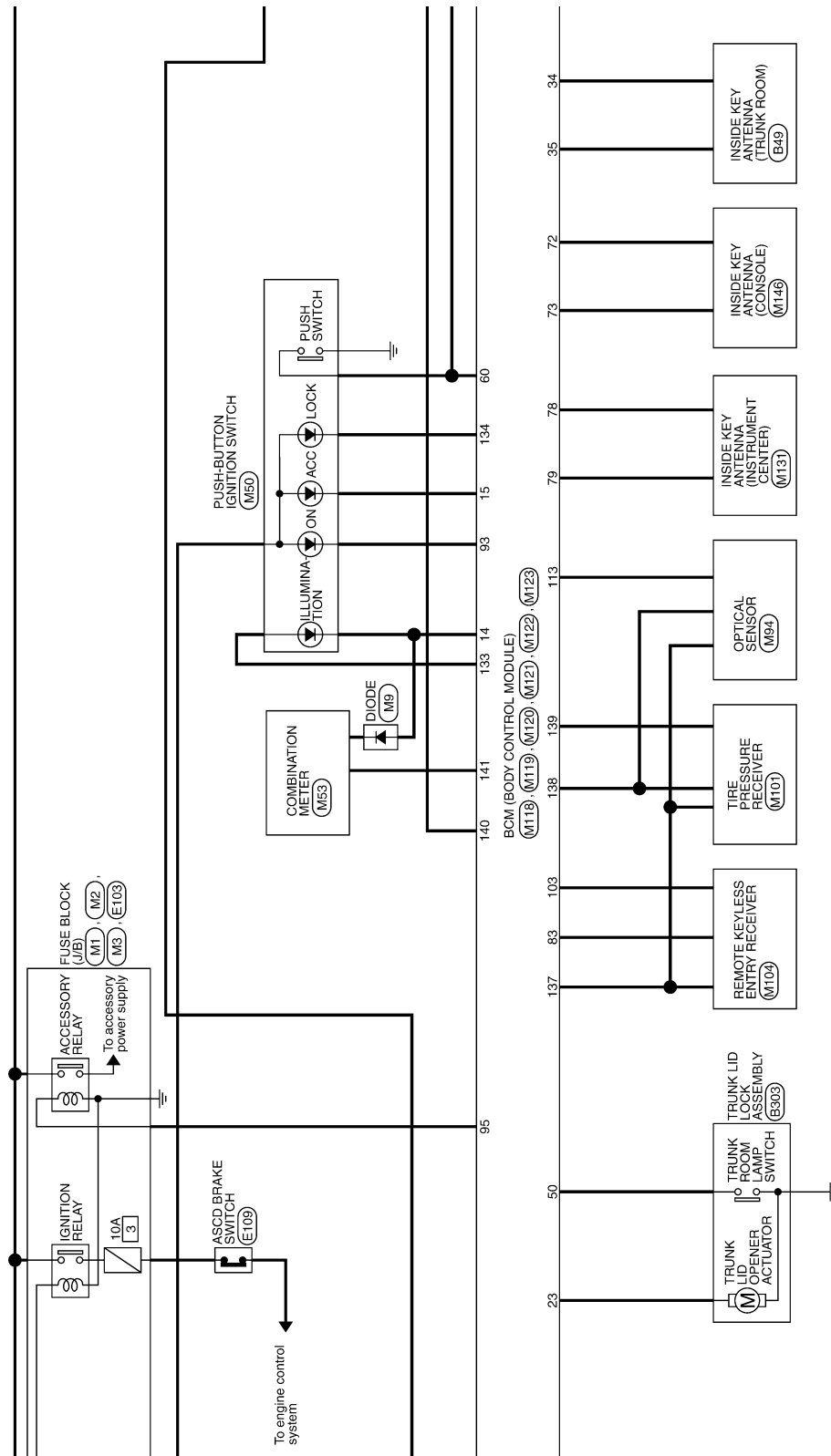


2014/06/09

JRMWF9358GB

# BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

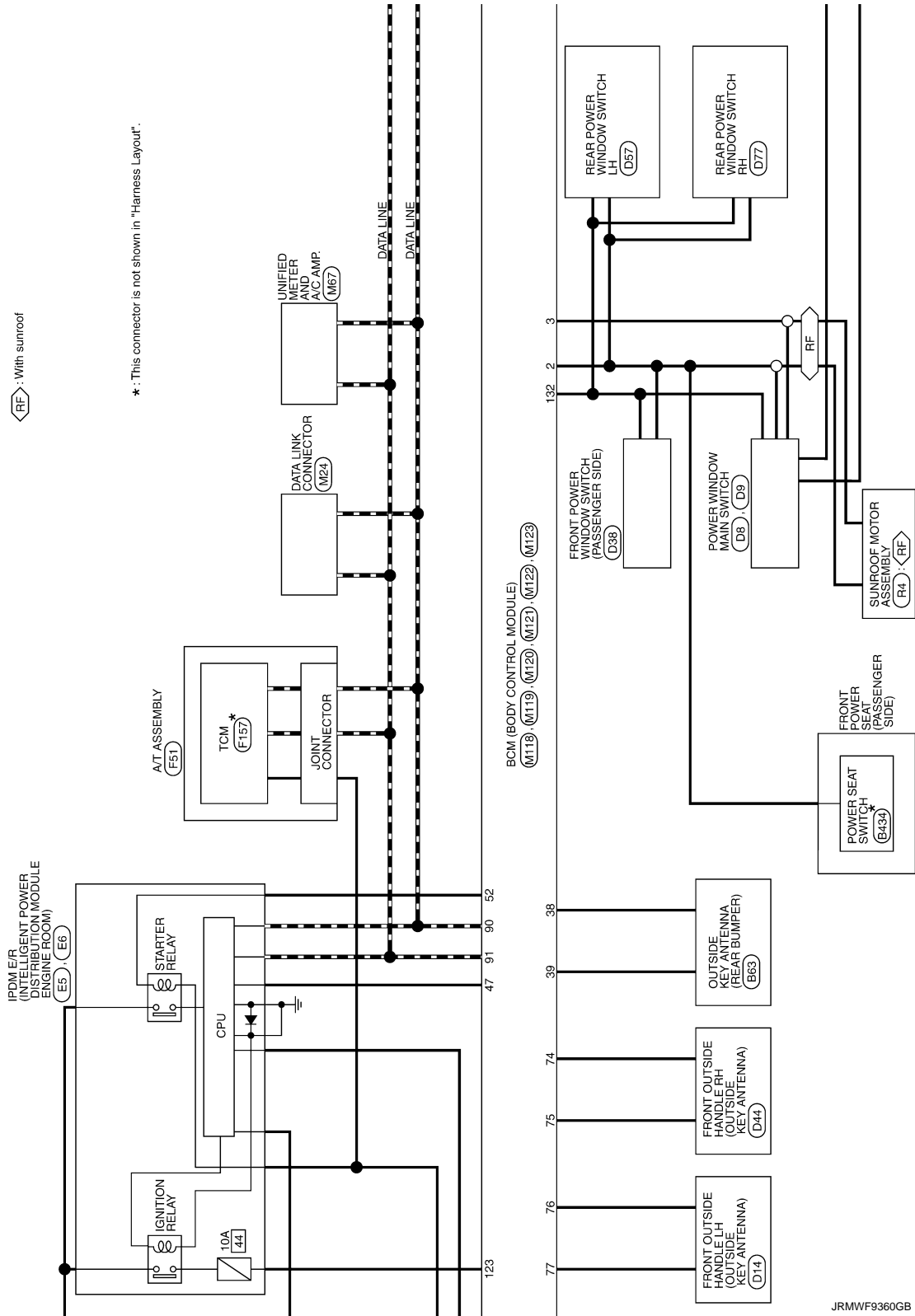


JRMWF9359GB

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

# BCM (BODY CONTROL MODULE)

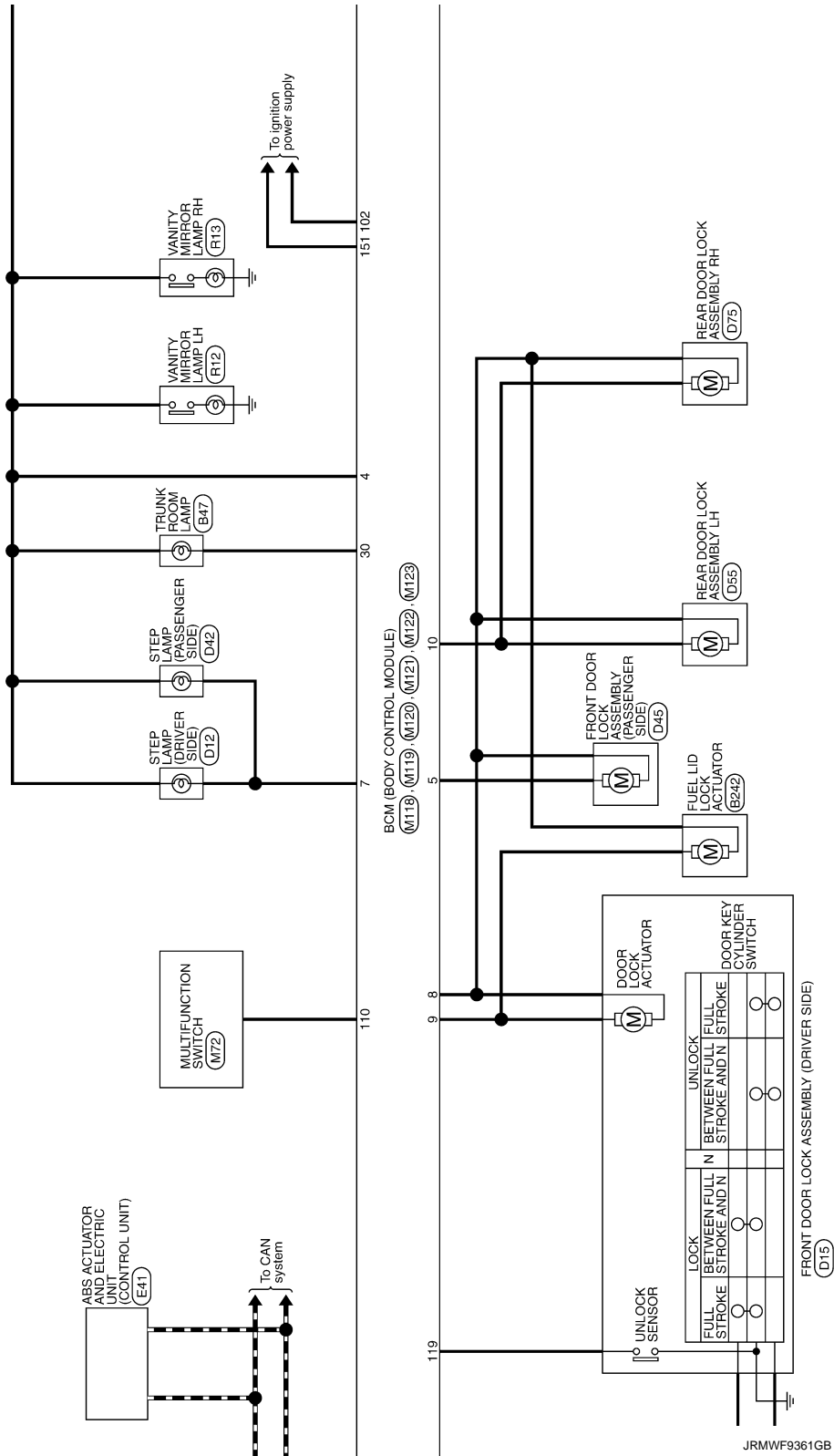
< ECU DIAGNOSIS INFORMATION >



JRMWF9360GB

# BCM (BODY CONTROL MODULE)

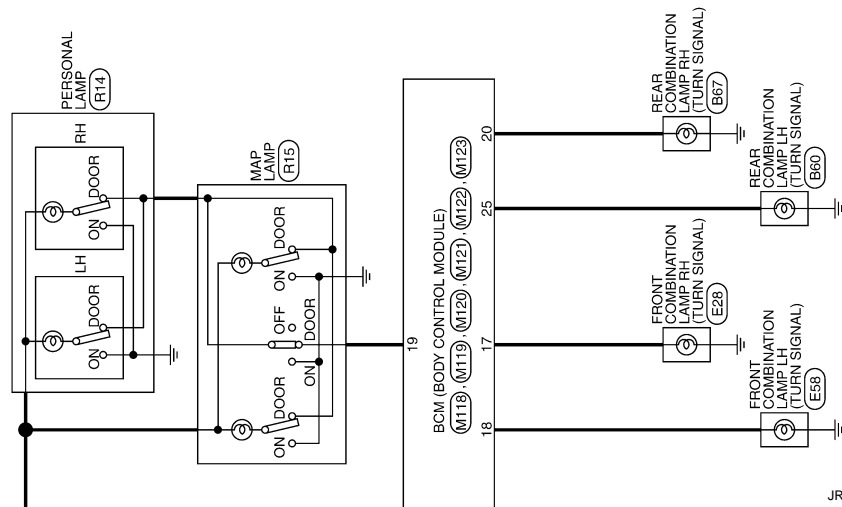
< ECU DIAGNOSIS INFORMATION >



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

# BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >



JRMWF9362GB

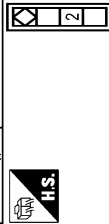


# BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

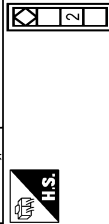
## BCM (BODY CONTROL MODULE)

Connector No.	B16	Signal Name [Specification]
Connector Name	FRONT DOOR SWITCH (DRIVER SIDE)	
Connector Type	A03FW	



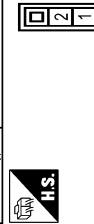
Terminal No.	Color Of Wire	Signal Name [Specification]
2	BR	

Connector No.	B23	Signal Name [Specification]
Connector Name	REAR DOOR SWITCH LH	
Connector Type	A03FW	



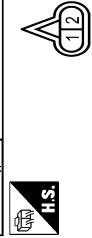
Terminal No.	Color Of Wire	Signal Name [Specification]
2	Y	

Connector No.	B47	Signal Name [Specification]
Connector Name	TRUNK ROOM LAMP	
Connector Type	S02FW	



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

Connector No.	B49	Signal Name [Specification]
Connector Name	INSIDE KEY ANTENNA (TRUNK ROOM)	
Connector Type	RK02FGY	



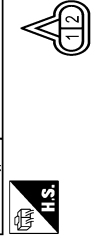
Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	
2	P	

Connector No.	B60	Signal Name [Specification]
Connector Name	REAR COMBINATION LAMP LH	
Connector Type	NS04FW-CS	



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

Connector No.	B83	Signal Name [Specification]
Connector Name	OUTSIDE KEY ANTENNA (REAR BUMPER)	
Connector Type	FR02FGY	



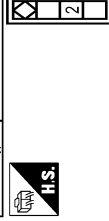
Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	
2	R	

Connector No.	B87	Signal Name [Specification]
Connector Name	REAR COMBINATION LAMP RH	
Connector Type	NS04FW-CS	



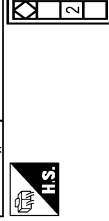
Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	
2	LG	
3	V	
4	B	

Connector No.	B216	Signal Name [Specification]
Connector Name	FRONT DOOR SWITCH (PASSENGER SIDE)	
Connector Type	A03FW	



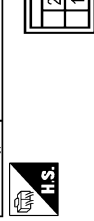
Terminal No.	Color Of Wire	Signal Name [Specification]
2	GR	

Connector No.	B223	Signal Name [Specification]
Connector Name	REAR DOOR SWITCH RH	
Connector Type	A03FW	



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

Connector No.	B242	Signal Name [Specification]
Connector Name	FUEL LID LOCK ACTUATOR	
Connector Type	MM0FW-LC	



JRMWF9505GB

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

# BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

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

Connector No.	Color Of Wire	Signal Name [Specification]
B303		
Connector Name		TRUNK LID LOCK ASSEMBLY
Connector Type		TB03FW

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

Connector No.	Color Of Wire	Signal Name [Specification]
B304		
Connector Name		TRUNK LID OPENER REQUEST SWITCH
Connector Type		TB02MR-P

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

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

Connector No.	Color Of Wire	Signal Name [Specification]
B434		
Connector Name		POWER SEAT SWITCH
Connector Type		NS10FW-CS

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

Connector No.	Color Of Wire	Signal Name [Specification]
DB		
Connector Name		POWER WINDOW MAIN SWITCH
Connector Type		NS16FW-CS

Terminal Color Of	Signal Name [Specification]	
No.	Wire	
2	LG	-
4	V	-
8	L	-
9	RG	-
10	SB	-
11	G	-
13	P	-
14	V	-
15	B	-

Connector No.	Color Of Wire	Signal Name [Specification]
D9		
Connector Name		POWER WINDOW MAIN SWITCH
Connector Type		NS03FW-CS

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

Connector No.	Color Of Wire	Signal Name [Specification]
D12		
Connector Name		STEP LAMP (DRIVER SIDE)
Connector Type		TB02FW

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

Connector No.	Color Of Wire	Signal Name [Specification]
D13		
Connector Name		FRONT OUTSIDE HANDLE LH (REQUEST SWITCH)
Connector Type		RK02FL

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

Connector No.	Color Of Wire	Signal Name [Specification]
D14		
Connector Name		FRONT OUTSIDE HANDLE LH (OUTSIDE RE-ANTENNA)
Connector Type		RK02MGCY

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

JRMWF9506GB

# BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

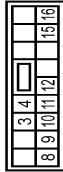
## BCM (BODY CONTROL MODULE)

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



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

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



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

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



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

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



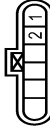
Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	B	-

Connector No.	D44
Connector Name	FRONT OUTSIDE HANDLE RH (OUTSIDE KEY ANTENNA)
Connector Type	FR04MGY



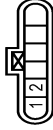
Terminal No.	Color Of Wire	Signal Name [Specification]
1	P	-
2	V	-

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



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

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



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

Connector No.	D57
Connector Name	REAR POWER WINDOW SWITCH-LH
Connector Type	NS16FW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
3	BR	-
4	SB	-
8	W	-
9	L	-
10	W	-
11	B	-
12	GR	-
15	BG	-
16	Y	-

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

JRMWF9507GB

# BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

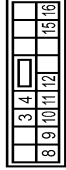
## BCM (BODY CONTROL MODULE)

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



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

Connector No.	D77
Connector Name	REAR POWER WINDOW SWITCH RH
Connector Type	NS18FW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
3	BR	-
4	SB	-
8	W	-
9	L	-
10	W	-
11	B	-
12	GR	-
15	BG	-
18	Y	-

Connector No.	E5
Connector Name	ENGINE INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	TH88PW-CS2-M4-1V



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

Connector No.	E5
Connector Name	ENGINE INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM
Connector Type	TH88PW-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
38	P	-
40	L	-
41	B/W	-
42	GR	-
43	G	-
44	LG	-
45	V	-

46	SB	-
----	----	---

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



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

Connector No.	E41
Connector Name	ABS ACTUATOR AND ELECTRIC JET CONTROL UNIT
Connector Type	BAM4ZFB-AH24-LH



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	GROUND
2	GR	UBMR
3	BG	DBVR
4	D	GRND
5	EG	DS FR
6	EG	DP FR
7	BR	DP FR
9	B	DS FR
10	W	DS FR
11	V	DIAG-K
14	P	CAN-L

29	V	BUS-L
30	LG	DS FL
21	GR	DC RL
28	G	UZ
29	P	DS RR
30	SB	BLS
31	R	VDC OFF SW
35	L	CAN-H
45	B	BUS-H

Connector No.	E57
Connector Name	INTELLIGENT KEY WARNING BUZZER (ENGINE ROOM)
Connector Type	RK03FBR



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

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



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

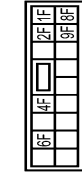
JRMWF9508GB

# BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

## BCM (BODY CONTROL MODULE)

Connector No.	E103
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS16FW-C5



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

Connector No.	E109
Connector Name	ASC0 BRAKE SWITCH
Connector Type	IS02FL



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

Connector No.	E119
Connector Name	STOP LAMP SWITCH
Connector Type	MR0FL-C



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

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



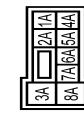
Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	-
2	R	-
3	L	-
4	V	-
5	B	-
6	G	-
7	R	-
8	P	-
9	GR	-
10	B	-

Connector No.	E157
Connector Name	TCM
Connector Type	SP10EG



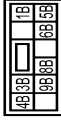
Terminal No.	Color Of Wire	Signal Name [Specification]
1	SHIELD	VIGN
2	SHIELD	BATH
3	SHIELD	CL-H
4	SHIELD	K-LINE
5	SHIELD	GROUND
6	SHIELD	VIGN
7	SHIELD	REV LAMP RLY
8	SHIELD	CAN-L
9	SHIELD	STARTER RLY
10	SHIELD	GROUND

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



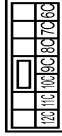
Terminal No.	Color Of Wire	Signal Name [Specification]
1A	V	-
2A	G	-
3A	L	-
4A	P	-
5A	Y	-
6A	Y	-
7A	R	-
8A	L	-

Connector No.	M2
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS10FW-C5



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

Connector No.	M3
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS12FW-C5



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

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

# BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

## BCM (BODY CONTROL MODULE)

Connector No.	M19
Connector Name	DIODE
Connector Type	24335.C0900



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

Connector No.	M20
Connector Name	TRUNK LID OPENER SWITCH
Connector Type	T044FW



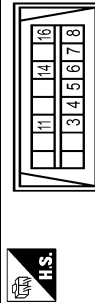
Terminal No.	Color Of Wire	Signal Name [Specification]
1	GB	-
2	GB	-
3	LG	-
4	R	-

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



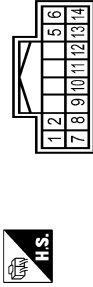
Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	BAT
2	GR	GGCK
3	W	DATA
5	Y	ILL BAT
6	LG	ILL
7	B	GROUND
11	SB	KEY SWITCH SIGNAL

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



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

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



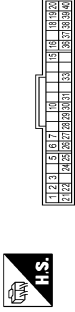
Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	FR WASHER (-)
2	SB	OUTPUT 3
3	SB	GROUND
5	B	GROUND
6	B	INPUT 3
7	EG	OUTPUT 5
8	BR	INPUT 2
9	W	INPUT 4
10	R	INPUT 1
11	LG	INPUT 1
12	P	INPUT 5
13	Y	INPUT 5
14	G	OUTPUT 2

Connector No.	M49
Connector Name	PUSH-BUTTON IGNITION SWITCH
Connector Type	TR08BER



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

Connector No.	M53
Connector Name	COMBINATION METER
Connector Type	SAB40FW



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	BATTERY POWER SUPPLY
2	LG	COMMUNICATION SIGNAL (METER-AMP)
3	GR	COMMUNICATION SIGNAL (AMP-METER)
5	B	GROUND
6	W	ALTERNATOR SIGNAL
7	LG	AIR BAG SIGNAL
10	W	SECURITY SIGNAL
15	B	GROUND
16	BR	METER CONTROL SWITCH GROUND
18	GR	ILL GND
19	B	ILL GND
20	R	ILL
21	G	IGNITION SIGNAL
22	B	GROUND
24	BR	COMMUNICATION SIGNAL (GPS-IMP)
25	GR	COMMUNICATION SIGNAL (AMP-LED)
26	R	VEHICLE SPEED SIGNAL (E-PHLS SE)
27	P	PARKING BRAKE SWITCH SIGNAL
28	SB	BRAKE FLUID LEVEL SWITCH
29	P	SEAT BELT BUCKLE SW SIGNAL (DRIVER SIDE)
30	G	SEAT BELT BUCKLE SWITCH SIGNAL (PASSENGER SIDE)
31	L	WASHER LEVEL SWITCH SIGNAL
33	R	ILLUMINATION CONTROL SIGNAL
36	LG	SELECT SWITCH SIGNAL
37	Y	ENTER SWITCH SIGNAL
38	G	TRIP A/B RESET SWITCH SIGNAL
39	P	ILLUMINATION CONTROL SWITCH SIGNAL (-)
40	EG	ILLUMINATION CONTROL SWITCH SIGNAL (+)

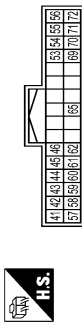
JRMWF9510GB

# BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

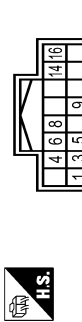
## BCM (BODY CONTROL MODULE)

Connector No.	M67
Connector Name	UNIFIED METER AND A.C. AMP.
Connector Type	TH82FW-4H



Terminal No.	Color Of Wire	Signal Name [Specification]
41	L	A.C. POWER SUPPLY
42	BR	FUEL LEVEL SENSOR SIGNAL
43	BR	FUEL LEVEL SENSOR SIGNAL
44	LG	IN-VEHICLE SENSOR SIGNAL
45	Y	AMBIENT SENSOR SIGNAL
46	Y	SUNLOAD SENSOR SIGNAL
53	W	IGNITION POWER SUPPLY
54	SB	BATTERY POWER SUPPLY
55	B	GROUND
56	L	CAN-H
57	LG	BRAKE FLUID LEVEL SWITCH
58	Y	FUEL LEVEL SENSOR GROUND
59	GR	INTAKE SENSOR GROUND
60	W	IN-VEHICLE SENSOR GROUND
61	B	ZAMBIENT SENSOR GROUND
62	B	SUNLOAD SENSOR GROUND
66	GR	ECU GROUND
68	P	A/C CLAR SIGNAL
70	R	EACH DOOR MOTOR POWER SUPPLY
71	GR	GROUND
72	P	CAN-L

Connector No.	M72
Connector Name	MULTIFUNCTION SWITCH
Connector Type	TH16FW-4H



Terminal No.	Color Of Wire	Signal Name [Specification]
1	B	GROUND
2	B	ACC
3	BG	ACC
4	B	TILL CONT
5	B	AV COMM (H)
6	SB	AV COMM (L)
7	LG	SW GND
8	LG	SW GND
9	BR	DISK EJECT SIGNAL
10	V	DISK EJECT SIGNAL
11	V	HAZARD ON
12	B	GROUND
13	B	GROUND
14	B	GROUND
15	B	GROUND
16	G	HAZARD ON

Connector No.	M84
Connector Name	OPTICAL SENSOR
Connector Type	TK63FW



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

Connector No.	M101
Connector Name	TIRE PRESSURE RECEIVER
Connector Type	TK64FW



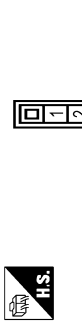
Terminal No.	Color Of Wire	Signal Name [Specification]
1	P	GROUND
2	L	SIGNAL
3	L	SIGNAL
4	Y	BATTERY

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



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

Connector No.	M105
Connector Name	TRUNK LID OPENER CANCEL SWITCH
Connector Type	S02FW



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

Connector No.	M118
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	MD3FB-LC



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

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

DEF

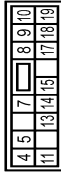
JRMWF9511GB

# BCM (BODY CONTROL MODULE)

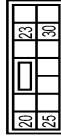
## < ECU DIAGNOSIS INFORMATION >

### BCM (BODY CONTROL MODULE)

Connector No.	M119
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	NS16FW-C5



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



Connector No.	M120
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	NS12FW-C5

Terminal No.	Color Of Wire	Signal Name [Specification]
20	Y	TURN SIGNAL RH (REAR)
23	LG	TRUNK LID OPEN OUTPUT
25	Y	TURN SIGNAL LH (REAR)
30	P	TRUNK ROOM LAMP CONT

Connector No.	M121
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	TH40FG-NH



Terminal No.	Color Of Wire	Signal Name [Specification]
34	SB	TRUNK ROOM ANT-
35	SB	TRUNK ROOM ANT+
36	B	REAR BUMPER ANT-
37	W	REAR BUMPER ANT+
47	Y	IGN RELAY (PDM) (R) CONT
50	BG	TRUNK ROOM LAMP SW
52	R	STARTER RELAY CONT
60	BR	PUSH SW
61	SB	TRUNK LID OPENER REQUEST SW
64	G	1-KEY WARN BLIZZER (ENG ROOM)
67	GR	TRUNK LID OPENER SW
68	BG	REAR RH DOOR SW
69	L	REAR LH DOOR SW

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



Terminal No.	Color Of Wire	Signal Name [Specification]
32	Y	ROOM ANT 2-
33	G	ROOM ANT 2+
74	SB	PASSENGER DOOR ANT-
75	BR	PASSENGER DOOR ANT+
76	V	DRIVER DOOR ANT-
77	LG	DRIVER DOOR ANT+
78	Y	ROOM ANT 1-

79	BR	ROOM ANT 1+
80	GR	MISC ANT LAMP
81	W	MISC ANT AMP
82	SB	IGN RELAY (E) BL CONT
83	Y	KEYLESS ENTRY RECEIVER COMM
87	Y	COMBI SW INPUT 5
88	BG	COMBI SW INPUT 1
90	P	COMBI SW INPUT 3
91	L	CAN-L
92	LG	KEY SLOT ILL CONT
93	GR	ON IND
95	BG	ACC RELAY CONT
96	GR	A/T SHIFT SELECTOR POWER SUPPLY
99	R	SHIFT P
100	Y	PASSENGER DOOR REQUEST SW
101	B	DRIVER DOOR REQUEST SW
102	BG	BLOWER FAN MOTOR RELAY CONT
103	P	KEYLESS ENTRY RECEIVER POWER SUPPLY
107	LG	COMBI SW INPUT 1
108	R	COMBI SW INPUT 4
109	W	COMBI SW INPUT 2
110	G	HAZARD SW

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



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

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



Terminal No.	Color Of Wire	Signal Name [Specification]
113	BG	OPTICAL SENSOR
116	SB	STOP LAMP SW 1
118	BR	STOP LAMP SW 2
119	SB	DR DOOR UNLOCK SENSOR
121	Y	KEYLESS ENTRY SW
124	R	PASSENGER DOOR SW
129	BG	TRUNK LID OPENER CANCEL SW
132	V	POWER WINDOW SW COMM
133	L	PUSH-BUTTON IGNITION SW ILL POWER
134	LG	LOCK IND
137	BG	RECEIVER / SENSOR GND

138	V	RECEIVER / SENSOR POWER SUPPLY
140	L	TIME PRESSURE RECEIVER COMM
140	B	SECURITY ILL SW
141	W	SECURITY ILL LAMP CONT
142	BR	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	DRIVER DOOR SW
151	G	REAR WINDOW DEFOGGER RELAY CONT

Connector No.	M131
Connector Name	INSIDE KEY ANTENNA (INSTRUMENT CENTER)
Connector Type	PRO2FGY



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



# BCM (BODY CONTROL MODULE)

< ECU DIAGNOSIS INFORMATION >

## BCM (BODY CONTROL MODULE)

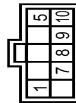
7	V	
8	G	
9	S	
10	GR	
11	R	

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



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

Connector No.	R4
Connector Name	SUNROOF MOTOR ASSEMBLY
Connector Type	YEA1BEGY



Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	SW-BIT 1
5	P	SW-BIT -
7	BR	IB
8	L	SPEED SENSOR (2P)
9	V	THICK (3G)
10	G	GROUND

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



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

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



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

Connector No.	RI4
Connector Name	PERSONAL LAMP
Connector Type	TB0FW-NH



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

Connector No.	RI5
Connector Name	MAP LAMP
Connector Type	TK0BFCY



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

## Fail-safe

### FAIL-SAFE CONTROL BY DTC

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

JRMWF9513GB

INFOID:000000011401518

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

# BCM (BODY CONTROL MODULE)

## < ECU DIAGNOSIS INFORMATION >

Display contents of CONSULT	Fail-safe	Cancellation
B2190: NATS ANTENNA AMP	Inhibit engine cranking	Erase DTC
B2191: DIFFERENCE OF KEY	Inhibit engine cranking	Erase DTC
B2192: ID DISCORD BCM-ECM	Inhibit engine cranking	Erase DTC
B2193: CHAIN OF BCM-ECM	Inhibit engine cranking	Erase DTC
B2195: ANTI-SCANNING	Inhibit engine cranking	Ignition switch ON → OFF
B2560: STARTER CONT RELAY	Inhibit engine cranking	500 ms after the following CAN signal communication status becomes consistent <ul style="list-style-type: none"> <li>• Starter control relay signal</li> <li>• Starter relay status signal</li> </ul>
B2608: STARTER RELAY	Inhibit engine cranking	500 ms after the following signal communication status becomes consistent <ul style="list-style-type: none"> <li>• Starter motor relay control signal</li> <li>• Starter relay status signal (CAN)</li> </ul>
B260A: IGNITION RELAY	Inhibit engine cranking	500 ms after the following conditions are fulfilled <ul style="list-style-type: none"> <li>• IGN relay (IPDM E/R) control signal: OFF (12 V)</li> <li>• Ignition ON signal (CAN to IPDM E/R): OFF (Request signal)</li> <li>• Ignition ON signal (CAN from IPDM E/R): OFF (Condition signal)</li> </ul>
B260F: ENG STATE SIG LOST	Maintains the power supply position attained at the time of DTC detection	When any of the following conditions are fulfilled <ul style="list-style-type: none"> <li>• Power position changes to ACC</li> <li>• Receives engine status signal (CAN)</li> </ul>
B2617: BCM	Inhibit engine cranking	1 second after the starter motor relay control inside BCM becomes normal
B2618: BCM	Inhibit engine cranking	1 second after the ignition relay (IPDM E/R) control inside BCM becomes normal
B261E: VEHICLE TYPE	Inhibit engine cranking	BCM initialization

## DTC Inspection Priority Chart

INFOID:000000011401519

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

Priority	DTC
1	B2562: LOW VOLTAGE
2	<ul style="list-style-type: none"> <li>• U1000: CAN COMM</li> <li>• U1010: CONTROL UNIT(CAN)</li> </ul>
3	<ul style="list-style-type: none"> <li>• B2190: NATS ANTENNA AMP</li> <li>• B2191: DIFFERENCE OF KEY</li> <li>• B2192: ID DISCORD BCM-ECM</li> <li>• B2193: CHAIN OF BCM-ECM</li> <li>• B2195: ANTI-SCANNING</li> </ul>

# BCM (BODY CONTROL MODULE)

## < ECU DIAGNOSIS INFORMATION >

Priority	DTC	
4	• B2553: IGNITION RELAY	A
	• B2555: STOP LAMP	
	• B2556: PUSH-BTN IGN SW	
	• B2557: VEHICLE SPEED	B
	• B2560: STARTER CONT RELAY	
	• B2601: SHIFT POSITION	
	• B2602: SHIFT POSITION	
	• B2603: SHIFT POSI STATUS	C
	• B2604: PNP/CLUTCH SW	
	• B2605: PNP/CLUTCH SW	
	• B2608: STARTER RELAY	
	• B260A: IGNITION RELAY	D
	• B260F: ENG STATE SIG LOST	
	• B2614: BCM	
	• B2615: BCM	
	• B2616: BCM	E
	• B2617: BCM	
	• B2618: BCM	
	• B261A: PUSH-BTN IGN SW	F
	• B261E: VEHICLE TYPE	
• B26EA: KEY REGISTRATION		
• C1729: VHCL SPEED SIG ERR		
• U0415: VEHICLE SPEED	G	
5	• C1704: LOW PRESSURE FL	
	• C1705: LOW PRESSURE FR	
	• C1706: LOW PRESSURE RR	
	• C1707: LOW PRESSURE RL	H
	• C1708: [NO DATA] FL	
	• C1709: [NO DATA] FR	
	• C1710: [NO DATA] RR	
	• C1711: [NO DATA] RL	I
	• C1716: [PRESSDATA ERR] FL	
	• C1717: [PRESSDATA ERR] FR	
	• C1718: [PRESSDATA ERR] RR	J
	• C1719: [PRESSDATA ERR] RL	
	• C1734: CONTROL UNIT	
6	• B2621: INSIDE ANTENNA	
	• B2622: INSIDE ANTENNA	K
	• B2623: INSIDE ANTENNA	

## DTC Index

INFOID:000000011401520

DEF

### NOTE:

The details of time display are as follows.

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

IGN counter is displayed on Freeze Frame Data. For details of Freeze Frame Data, refer to [DEF-6. "COMMON ITEM : CONSULT Function \(BCM - COMMON ITEM\)"](#).

CONSULT display	Fail-safe	Freeze Frame Data •Vehicle Speed •Odo/Trip Meter •Vehicle condition	Intelligent Key warning lamp ON	Tire pressure monitor warning lamp ON	Reference
No DTC is detected. further testing may be required.	—	—	—	—	—
U1000: CAN COMM	—	—	—	—	<a href="#">BCS-36</a>
U1010: CONTROL UNIT(CAN)	—	—	—	—	<a href="#">BCS-37</a>
U0415: VEHICLE SPEED	—	—	—	—	<a href="#">BCS-38</a>
B2190: NATS ANTENNA AMP	×	—	—	—	<a href="#">SEC-43</a>

## BCM (BODY CONTROL MODULE)

### < ECU DIAGNOSIS INFORMATION >

CONSULT display	Fail-safe	Freeze Frame Data •Vehicle Speed •Odo/Trip Meter •Vehicle condition	Intelligent Key warning lamp ON	Tire pressure monitor warning lamp ON	Reference
B2191: DIFFERENCE OF KEY	×	—	—	—	<a href="#">SEC-46</a>
B2192: ID DISCORD BCM-ECM	×	—	—	—	<a href="#">SEC-47</a>
B2193: CHAIN OF BCM-ECM	×	—	—	—	<a href="#">SEC-49</a>
B2195: ANTI-SCANNING	×	—	—	—	<a href="#">SEC-50</a>
B2553: IGNITION RELAY	—	×	—	—	<a href="#">PCS-49</a>
B2555: STOP LAMP	—	×	—	—	<a href="#">SEC-51</a>
B2556: PUSH-BTN IGN SW	—	×	×	—	<a href="#">SEC-53</a>
B2557: VEHICLE SPEED	×	×	×	—	<a href="#">SEC-55</a>
B2560: STARTER CONT RELAY	×	×	×	—	<a href="#">SEC-56</a>
B2562: LOW VOLTAGE	—	×	—	—	<a href="#">BCS-39</a>
B2601: SHIFT POSITION	×	×	×	—	<a href="#">SEC-57</a>
B2602: SHIFT POSITION	×	×	×	—	<a href="#">SEC-60</a>
B2603: SHIFT POSI STATUS	×	×	×	—	<a href="#">SEC-63</a>
B2604: PNP/CLUTCH SW	×	×	×	—	<a href="#">SEC-66</a>
B2605: PNP/CLUTCH SW	×	×	×	—	<a href="#">SEC-68</a>
B2608: STARTER RELAY	×	×	×	—	<a href="#">SEC-70</a>
B260A: IGNITION RELAY	×	×	×	—	<a href="#">PCS-51</a>
B260F: ENG STATE SIG LOST	×	×	×	—	<a href="#">SEC-72</a>
B2614: BCM	—	×	×	—	<a href="#">PCS-53</a>
B2615: BCM	—	×	×	—	<a href="#">PCS-55</a>
B2616: BCM	—	×	×	—	<a href="#">PCS-57</a>
B2617: BCM	×	×	×	—	<a href="#">SEC-74</a>
B2618: BCM	×	×	×	—	<a href="#">PCS-59</a>
B261A: PUSH-BTN IGN SW	—	×	×	—	<a href="#">PCS-60</a>
B261E: VEHICLE TYPE	×	×	× (Turn ON for 15 seconds)	—	<a href="#">SEC-76</a>
B2621: INSIDE ANTENNA	—	×	—	—	<a href="#">DLK-59</a>
B2622: INSIDE ANTENNA	—	×	—	—	<a href="#">DLK-61</a>
B2623: INSIDE ANTENNA	—	×	—	—	<a href="#">DLK-63</a>
B26EA: KEY REGISTRATION	—	×	× (Turn ON for 15 seconds)	—	<a href="#">SEC-73</a>
C1704: LOW PRESSURE FL	—	—	—	×	<a href="#">WT-25</a>
C1705: LOW PRESSURE FR	—	—	—	×	
C1706: LOW PRESSURE RR	—	—	—	×	
C1707: LOW PRESSURE RL	—	—	—	×	
C1708: [NO DATA] FL	—	—	—	×	<a href="#">WT-27</a>
C1709: [NO DATA] FR	—	—	—	×	
C1710: [NO DATA] RR	—	—	—	×	
C1711: [NO DATA] RL	—	—	—	×	
C1716: [PRESSDATA ERR] FL	—	—	—	×	<a href="#">WT-30</a>
C1717: [PRESSDATA ERR] FR	—	—	—	×	
C1718: [PRESSDATA ERR] RR	—	—	—	×	
C1719: [PRESSDATA ERR] RL	—	—	—	×	

# BCM (BODY CONTROL MODULE)

## < ECU DIAGNOSIS INFORMATION >

CONSULT display	Fail-safe	Freeze Frame Data •Vehicle Speed •Odo/Trip Meter •Vehicle condition	Intelligent Key warning lamp ON	Tire pressure monitor warning lamp ON	Reference
C1729: VHCL SPEED SIG ERR	—	—	—	×	<a href="#">WT-31</a>
C1734: CONTROL UNIT	—	—	—	×	<a href="#">WT-32</a>

A

B

C

D

E

F

G

H

I

J

K

DEF

M

N

O

P

# REAR WINDOW DEFOGGER DOES NOT OPERATE

< SYMPTOM DIAGNOSIS >

---

## SYMPTOM DIAGNOSIS

### REAR WINDOW DEFOGGER DOES NOT OPERATE

#### Diagnosis Procedure

INFOID:000000010991590

#### 1. CHECK REAR WINDOW DEFOGGER SWITCH

---

Check rear window defogger switch.

Refer to [DEF-9, "Component Function Check"](#).

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

#### 2. CHECK REAR WINDOW DEFOGGER RELAY

---

Check rear window defogger relay.

Refer to [DEF-10, "Component Function Check"](#).

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace the malfunctioning parts.

#### 3. CHECK REAR WINDOW DEFOGGER

---

Check rear window defogger.

Refer to [DEF-12, "Component Function Check"](#).

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace the malfunctioning parts.

#### 4. CONFIRM THE OPERATION

---

Confirm the operation again.

Is the inspection result normal?

YES >> Check intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

NO >> GO TO 1.

# REAR WINDOW DEFOGGER AND DOOR MIRROR DEFOGGER DO NOT OPERATE.

< SYMPTOM DIAGNOSIS >

## REAR WINDOW DEFOGGER AND DOOR MIRROR DEFOGGER DO NOT OPERATE.

### Diagnosis Procedure

INFOID:000000010991591

#### 1. CHECK REAR WINDOW DEFOGGER SWITCH

Check rear window defogger switch.

Refer to [DEF-9, "Component Function Check"](#).

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

#### 2. CHECK REAR WINDOW DEFOGGER RELAY

Check rear window defogger relay.

Refer to [DEF-10, "Component Function Check"](#).

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace the malfunctioning parts.

#### 3. CONFIRM THE OPERATION

Confirm the operation again.

Is the inspection result normal?

YES >> Check intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

NO >> GO TO 1.

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

DEF

# REAR WINDOW DEFOGGER DOES NOT OPERATE BUT BOTH DOOR MIRROR DEFOGGERS OPERATE

< SYMPTOM DIAGNOSIS >

---

## REAR WINDOW DEFOGGER DOES NOT OPERATE BUT BOTH DOOR MIRROR DEFOGGERS OPERATE

### Diagnosis Procedure

INFOID:000000010991592

#### 1. CHECK REAR WINDOW DEFOGGER

---

Check rear window defogger.

Refer to [DEF-12, "Component Function Check"](#).

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

#### 2. CONFIRM THE OPERATION

---

Confirm the operation again

Is the inspection result normal?

YES >> Check intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

NO >> GO TO 1.



# DOOR MIRROR DEFOGGER DOES NOT OPERATE

< SYMPTOM DIAGNOSIS >

## DOOR MIRROR DEFOGGER DOES NOT OPERATE BOTH SIDES

BOTH SIDES : Diagnosis Procedure

INFOID:000000010991593

### 1.CHECK DOOR MIRROR DEFOGGER

Check door mirror defogger.

Refer to [DEF-15, "Component Function Check"](#).

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

### 2.CONFIRM THE OPERATION

Confirm the operation again.

Is the inspection result normal?

YES >> Check intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

NO >> GO TO 1.

## DRIVER SIDE

DRIVER SIDE : Diagnosis Procedure

INFOID:000000010991594

### 1.CHECK DRIVER SIDE DOOR MIRROR DEFOGGER

Check driver side door mirror defogger.

Refer to [DEF-17, "Component Function Check"](#).

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

### 2.CONFIRM THE OPERATION

Confirm the operation again.

Is the inspection result normal?

YES >> Check intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

NO >> GO TO 1.

## PASSENGER SIDE

PASSENGER SIDE : Diagnosis Procedure

INFOID:000000010991595

### 1.CHECK PASSENGER SIDE DOOR MIRROR DEFOGGER.

Check passenger side door mirror defogger.

Refer to [DEF-19, "Component Function Check"](#).

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

### 2.CONFIRM THE OPERATION

Confirm the operation again.

Is the inspection result normal?

YES >> Check intermittent incident. Refer to [GI-41, "Intermittent Incident"](#).

NO >> GO TO 1.

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

DEF

# ON IS NOT DISPLAYED WHEN PRESSING REAR WINDOW DEFOGGER SWITCH BUT IT IS OPERATED

< SYMPTOM DIAGNOSIS >

---

## ON IS NOT DISPLAYED WHEN PRESSING REAR WINDOW DEFOGGER SWITCH BUT IT IS OPERATED

### Diagnosis Procedure

INFOID:000000010991596

#### 1. CHECK AV CONTROL UNIT FUNCTION

---

Check that the AV control unit is operating normally.

Base audio with rear view camera refer to [AV-60. "Work Flow"](#).

BOSE audio with navigation refer to [AV-183. "Work Flow"](#).

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

#### 2. CONFIRM THE OPERATION

---

Confirm the operation again.

Is the inspection result normal?

YES >> Check intermittent incident. Refer to [GI-41. "Intermittent Incident"](#).

NO >> GO TO 1.

# REAR WINDOW DEFOGGER INDICATOR DOES NOT ILLUMINATE

< SYMPTOM DIAGNOSIS >

## REAR WINDOW DEFOGGER INDICATOR DOES NOT ILLUMINATE

### Diagnosis Procedure

INFOID:000000010991597

#### 1. CHECK MULTIFUNCTION SWITCH (REAR WINDOW DEFOGGER SWITCH)

Check rear window defogger operate.

YES >> Replace multifunction switch (rear window defogger switch).

NO >> Check rear window defogger system. Refer to [DEF-3, "Work Flow"](#).

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

DEF

# PRECAUTIONS

< PRECAUTION >

## PRECAUTION

### PRECAUTIONS

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

INFOID:000000010991598

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

#### **WARNING:**

Always observe the following items for preventing accidental activation.

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

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

#### **WARNING:**

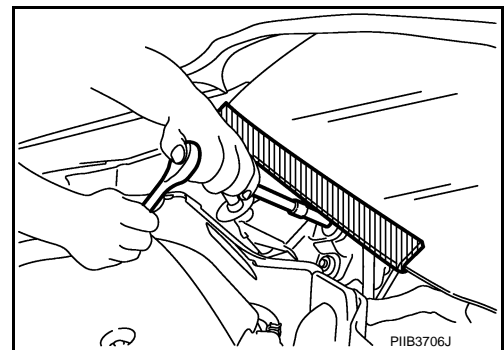
Always observe the following items for preventing accidental activation.

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

#### Precaution for Procedure without Cowl Top Cover

INFOID:000000011287242

When performing the procedure after removing cowl top cover, cover the lower end of windshield with urethane, etc to prevent damage to windshield.



#### Precautions For Xenon Headlamp Service

INFOID:000000011287243

#### **WARNING:**

Comply with the following warnings to prevent any serious accident.

- Disconnect the battery cable (negative terminal) or the power supply fuse before installing, removing, or touching the xenon headlamp (bulb included). The xenon headlamp contains high-voltage generated parts.
- Never work with wet hands.
- Check the xenon headlamp ON-OFF status after assembling it to the vehicle. Never turn the xenon headlamp ON in other conditions. Connect the power supply to the vehicle-side connector.

# PRECAUTIONS

## < PRECAUTION >

(Turning it ON outside the lamp case may cause fire or visual impairments.)

- Never touch the bulb glass immediately after turning it OFF. It is extremely hot.

### CAUTION:

Comply with the following cautions to prevent any error and malfunction.

- Install the xenon bulb securely. (Insufficient bulb socket installation may melt the bulb, the connector, the housing, etc. by high-voltage leakage or corona discharge.)
- Never perform HID circuit inspection with a tester.
- Never touch the xenon bulb glass with hands. Never put oil and grease on it.
- Dispose of the used xenon bulb after packing it in thick vinyl without breaking it.
- Never wipe out dirt and contamination with organic solvent (thinner, gasoline, etc.).

## Precautions for Removing Battery Terminal

INFOID:000000011287244

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

### NOTE:

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

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

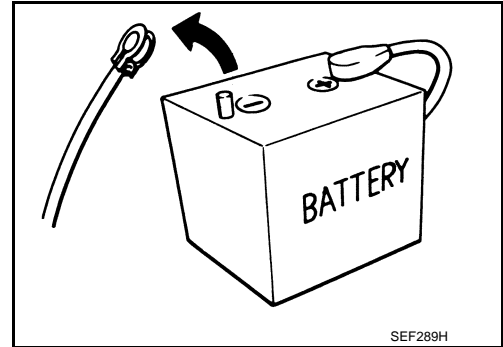
### NOTE:

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

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

### NOTE:

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



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

# FILAMENT

< REMOVAL AND INSTALLATION >

## REMOVAL AND INSTALLATION

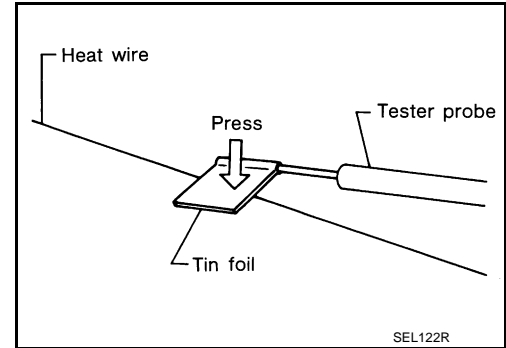
### FILAMENT

#### Inspection and Repair

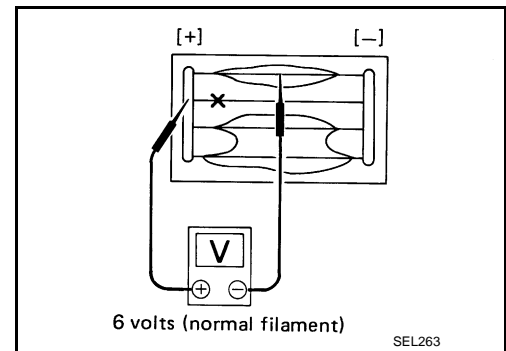
INFOID:0000000010991599

#### INSPECTION

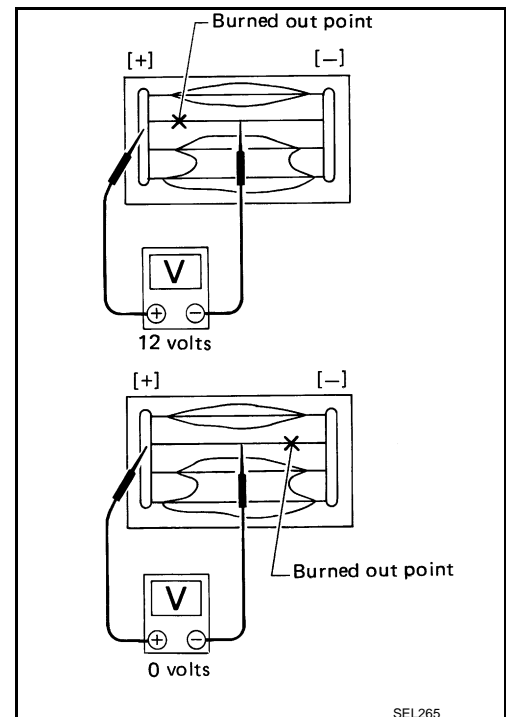
1. When measuring voltage, wrap tin foil around the top of the negative probe. Then press the foil against the wire with your finger.



2. Attach probe circuit tester (in Volt range) to middle portion of each filament.



3. If a filament is burned out, circuit tester registers 0 or battery voltage.
4. To locate burned out point, move probe to left and right along filament. Test needle will swing abruptly when probe passes the point.



#### REPAIR

##### REPAIR EQUIPMENT

- Conductive silver composition (Dupont No. 4817 or equivalent)

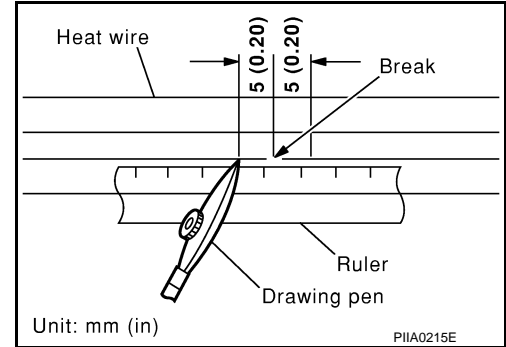
# FILAMENT

## < REMOVAL AND INSTALLATION >

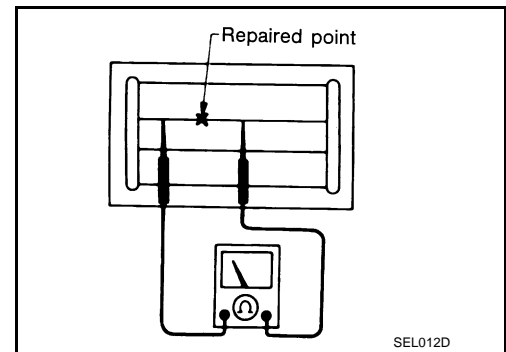
- Ruler 30 cm (11.8 in) long
- Drawing pen
- Heat gun
- Alcohol
- Cloth

### REPAIRING PROCEDURE

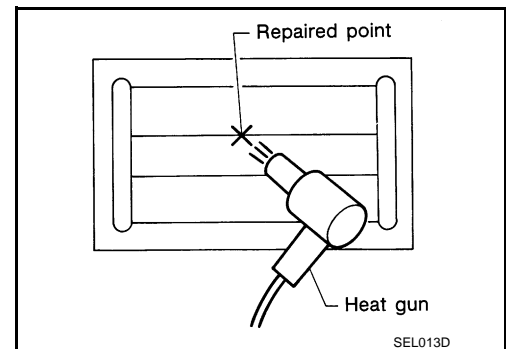
1. Wipe broken heat wire and its surrounding area clean with a cloth dampened in alcohol.
2. Apply a small amount of conductive silver composition to tip of drawing pen. Shake silver composition container before use.
3. Place ruler on glass along broken line. Deposit conductive silver composition on break with drawing pen. Slightly overlap existing heat wire on both sides [preferably 5 mm (0.20 in)] of the break.



4. After repair has been completed, check repaired wire for continuity. This check should be conducted 10 minutes after silver composition is deposited. Do not touch repaired area while test is being conducted.



5. Apply a constant stream of hot air directly to the repaired area for approximately 20 minutes with a heat gun. A minimum distance of 3 cm (1.2 in) should be kept between repaired area and hot air outlet. If a heat gun is not available, let the repaired area dry for 24 hours.



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

# CONDENSER

< REMOVAL AND INSTALLATION >

## CONDENSER

### Exploded View

INFOID:000000010991600

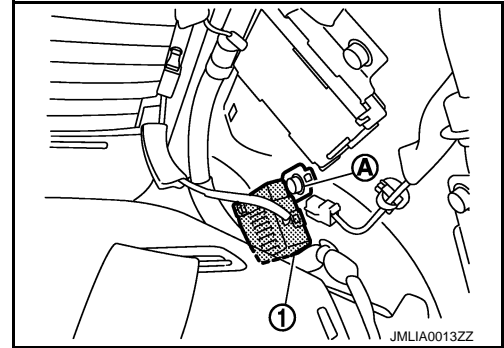
Refer to [INT-15, "Exploded View"](#).

### Removal and Installation

INFOID:000000010991601

#### REMOVAL

1. Remove the rear seat cushion and the rear seatback.  
Refer to [SE-76, "Removal and Installation"](#).
2. Remove the rear kicking plate, rear wheel well garnish and the rear pillar finisher.  
Refer to [INT-15, "Removal and Installation"](#).
3. Remove bolt (A), and then remove condenser (1) from the vehicle body.



#### INSTALLATION

Install in the reverse order of removal.