

# SECTION SE SEAT

## CONTENTS

<b>BASIC INSPECTION</b> .....	5	
<b>DIAGNOSIS AND REPAIR WORK FLOW</b> .....	5	
WorkFlow .....	5	
<b>SYSTEM DESCRIPTION</b> .....	6	
<b>POWER SEAT</b> .....	6	
System Description .....	6	
Component Parts Location .....	6	
Component Description .....	7	
<b>HEATED SEAT</b> .....	8	
System Diagram .....	8	
System Description .....	8	
Component Parts Location .....	9	
Component Description .....	9	
<b>LUMBAR SUPPORT</b> .....	10	
System Description .....	10	
Component Parts Location .....	10	
Component Description .....	10	
<b>REAR SEATBACK RELEASE CONTROL</b> .....	11	
System Description .....	11	
Component Parts Location .....	11	
Component Description .....	11	
<b>REAR SEATBACK POWER RETURN SYSTEM</b> .....	12	
System Diagram .....	12	
System Description .....	12	
Component Parts Location .....	15	
Component Description .....	15	
<b>DTC/CIRCUIT DIAGNOSIS</b> .....	16	
<b>POWER SUPPLY AND GROUND CIRCUIT</b> .....	16	
<b>REAR SEATBACK POWER RETURN CONTROL UNIT</b> .....	16	
REAR SEATBACK POWER RETURN CONTROL UNIT : Diagnosis Procedure .....	16	
<b>HEATED SEAT CONTROL UNIT</b> .....	16	
HEATED SEAT CONTROL UNIT : Diagnosis Procedure .....	16	
<b>HEATED SEAT SWITCH</b> .....	18	
HEATED SEAT SWITCH : Diagnosis Procedure .....	18	
<b>POWER RETURN SWITCH</b> .....	21	
<b>LH</b> .....	21	
LH : Description .....	21	
LH : Component Function Check .....	21	
LH : Diagnosis Procedure .....	21	
LH : Component Inspection .....	22	
<b>RH</b> .....	22	
RH : Description .....	22	
RH : Component Function Check .....	22	
RH : Diagnosis Procedure .....	22	
RH : Component Inspection .....	23	
<b>REAR SEATBACK SWITCH</b> .....	25	
<b>LH</b> .....	25	
LH : Description .....	25	
LH : Component Function Check .....	25	
LH : Diagnosis Procedure .....	25	
LH : Component Inspection .....	26	
<b>RH</b> .....	26	
RH : Description .....	26	
RH : Component Function Check .....	26	
RH : Diagnosis Procedure .....	26	
RH : Component Inspection .....	27	
<b>PRIMARY POSITION LIMIT SWITCH</b> .....	29	
<b>LH</b> .....	29	
LH : Description .....	29	
LH : Component Function Check .....	29	
LH : Diagnosis Procedure .....	29	
LH : Component Inspection .....	30	

<b>RH</b> .....	<b>30</b>	<b>HEATED SEAT RELAY</b> .....	<b>51</b>
RH : Description .....	30	Description .....	51
RH : Component Function Check .....	30	Component Function Check .....	51
RH : Diagnosis Procedure .....	31	Diagnosis Procedure .....	51
RH : Component Inspection .....	32	Component Inspection .....	52
<b>RETURN COMPLETE LIMIT SWITCH</b> .....	<b>33</b>	<b>HEAT SENSOR</b> .....	<b>53</b>
<b>LH</b> .....	<b>33</b>	<b>DRIVER SIDE</b> .....	<b>53</b>
LH : Description .....	33	DRIVER SIDE : Description .....	53
LH : Component Function Check .....	33	DRIVER SIDE : Component Function Check .....	53
LH : Diagnosis Procedure .....	33	DRIVER SIDE : Diagnosis Procedure .....	53
LH : Component Inspection .....	34	DRIVER SIDE : Component Inspection .....	54
<b>RH</b> .....	<b>34</b>	<b>PASSENGER SIDE</b> .....	<b>55</b>
RH : Description .....	34	PASSENGER SIDE : Description .....	55
RH : Component Function Check .....	34	PASSENGER SIDE : Component Function Check .....	55
RH : Diagnosis Procedure .....	35	PASSENGER SIDE : Diagnosis Procedure .....	55
RH : Component Inspection .....	36	PASSENGER SIDE : Component Inspection .....	57
<b>MOTOR SENSOR</b> .....	<b>37</b>	<b>SEAT CUSHION HEATER</b> .....	<b>58</b>
<b>LH</b> .....	<b>37</b>	<b>DRIVER SIDE</b> .....	<b>58</b>
LH : Description .....	37	DRIVER SIDE : Description .....	58
LH : Component Function Check .....	37	DRIVER SIDE : Component Function Check .....	58
LH : Diagnosis Procedure .....	37	DRIVER SIDE : Diagnosis Procedure .....	58
<b>RH</b> .....	<b>39</b>	DRIVER SIDE : Component Inspection .....	59
RH : Description .....	39	<b>PASSENGER SIDE</b> .....	<b>59</b>
RH : Component Function Check .....	39	PASSENGER SIDE : Description .....	59
RH : Diagnosis Procedure .....	39	PASSENGER SIDE : .....	59
<b>POWER RETURN MOTOR</b> .....	<b>42</b>	Component Function Check .....	59
<b>LH</b> .....	<b>42</b>	PASSENGER SIDE : Diagnosis Procedure .....	59
LH : Description .....	42	PASSENGER SIDE : Component Inspection .....	61
LH : Component Function Check .....	42	<b>SEATBACK HEATER</b> .....	<b>62</b>
LH : Diagnosis Procedure .....	42	<b>DRIVER SIDE</b> .....	<b>62</b>
<b>RH</b> .....	<b>43</b>	DRIVER SIDE : Description .....	62
RH : Description .....	43	DRIVER SIDE : Component Function Check .....	62
RH : Component Function Check .....	43	DRIVER SIDE : Diagnosis Procedure .....	62
RH : Diagnosis Procedure .....	43	<b>PASSENGER SIDE</b> .....	<b>62</b>
<b>VEHICLE SPEED SIGNAL CIRCUIT</b> .....	<b>45</b>	PASSENGER SIDE : Description .....	62
Description .....	45	PASSENGER SIDE : .....	62
Component Function Check .....	45	Component Function Check .....	62
Diagnosis Procedure .....	45	PASSENGER SIDE : Diagnosis Procedure .....	62
<b>HEATED SEAT SWITCH</b> .....	<b>47</b>	<b>HEATED SEAT SWITCH INDICATOR</b> .....	<b>64</b>
<b>DRIVER SIDE</b> .....	<b>47</b>	<b>DRIVER SIDE</b> .....	<b>64</b>
DRIVER SIDE : Description .....	47	DRIVER SIDE : Description .....	64
DRIVER SIDE : Component Function Check .....	47	DRIVER SIDE : Component Function Check .....	64
DRIVER SIDE : Diagnosis Procedure .....	47	DRIVER SIDE : Diagnosis Procedure .....	64
DRIVER SIDE : Component Inspection .....	48	DRIVER SIDE : Component Inspection .....	64
<b>PASSENGER SIDE</b> .....	<b>48</b>	<b>PASSENGER SIDE</b> .....	<b>65</b>
PASSENGER SIDE : Description .....	48	PASSENGER SIDE : Description .....	65
PASSENGER SIDE : .....	48	PASSENGER SIDE : .....	65
Component Function Check .....	48	Component Function Check .....	65
PASSENGER SIDE : Diagnosis Procedure .....	48	PASSENGER SIDE : Diagnosis Procedure .....	65
PASSENGER SIDE : Component Inspection .....	49		

PASSENGER SIDE : Component Inspection .....	65	
<b>POWER SEAT .....</b>	<b>67</b>	
Wiring Diagram - POWER SEAT FOR DRIVER SIDE (WITHOUT AUTOMATIC DRIVE POSITIONER) - .....	67	
Wiring Diagram - POWER SEAT FOR PASSENGER SIDE - .....	72	
<b>LUMBAR SUPPORT .....</b>	<b>77</b>	
Wiring Diagram - LUMBAR SUPPORT SYSTEM .....	77	
<b>REAR SEATBACK RELEASE CONTROL .....</b>	<b>81</b>	
Wiring Diagram - REAR SEATBACK RELEASE CONTROL - .....	81	
<b>ECU DIAGNOSIS INFORMATION .....</b>	<b>86</b>	
<b>REAR SEAT BACK POWER RETURN CONTROL UNIT .....</b>	<b>86</b>	
Reference Value .....	86	
Wiring Diagram - REAR SEATBACK POWER RETURN SYSTEM - .....	89	
Fail-safe .....	96	
<b>HEATED SEAT CONTROL UNIT .....</b>	<b>98</b>	
Reference Value .....	98	
Wiring Diagram - HEATED SEAT SYSTEM - .....	99	
<b>SYMPTOM DIAGNOSIS .....</b>	<b>107</b>	
<b>REAR SEATBACK POWER RETURN SYSTEM DOES NOT OPERATE .....</b>	<b>107</b>	
<b>BOTH SIDES .....</b>	<b>107</b>	
BOTH SIDES : Diagnosis Procedure .....	107	
<b>LH .....</b>	<b>107</b>	
LH : Diagnosis Procedure .....	107	
<b>RH .....</b>	<b>108</b>	
RH : Diagnosis Procedure .....	108	
<b>MALFUNCTION DETECTION BUZZER SOUNDS DURING POWER RETURN MOTOR INVERSE ROTATION .....</b>	<b>110</b>	
<b>LH .....</b>	<b>110</b>	
LH : Diagnosis Procedure .....	110	
<b>RH .....</b>	<b>110</b>	
RH : Diagnosis Procedure .....	110	
<b>DOES NOT RETURN BUT MALFUNCTION DETECTION BUZZER SOUNDS .....</b>	<b>112</b>	
<b>LH .....</b>	<b>112</b>	
LH : Diagnosis Procedure .....	112	
<b>RH .....</b>	<b>112</b>	
RH : Diagnosis Procedure .....	112	
<b>ANTI-PINCH FUNCTION DOES NOT OPERATE .....</b>	<b>113</b>	<b>A</b>
Diagnosis Procedure .....	113	
<b>HEATED SEAT DOES NOT OPERATE .....</b>	<b>114</b>	<b>B</b>
<b>BOTH SIDES .....</b>	<b>114</b>	
BOTH SIDES : Diagnosis Procedure .....	114	
<b>DRIVER SIDE .....</b>	<b>114</b>	<b>C</b>
DRIVER SIDE : Diagnosis Procedure .....	114	
<b>PASSENGER SIDE .....</b>	<b>115</b>	<b>D</b>
PASSENGER SIDE : Diagnosis Procedure .....	115	
<b>SEATBACK HEATER ONLY DOES NOT OPERATE .....</b>	<b>116</b>	<b>E</b>
<b>DRIVER SIDE .....</b>	<b>116</b>	
DRIVER SIDE : Diagnosis Procedure .....	116	<b>F</b>
<b>PASSENGER SIDE .....</b>	<b>116</b>	
PASSENGER SIDE : Diagnosis Procedure .....	116	<b>G</b>
<b>CANNOT ADJUST HEATED SEAT TEMPERATURE .....</b>	<b>117</b>	
<b>DRIVER SIDE .....</b>	<b>117</b>	<b>H</b>
DRIVER SIDE : Diagnosis Procedure .....	117	
<b>PASSENGER SIDE .....</b>	<b>117</b>	<b>I</b>
PASSENGER SIDE : Diagnosis Procedure .....	117	
<b>HEATED SEAT SWITCH INDICATOR DOES NOT TURN ON .....</b>	<b>118</b>	<b>SE</b>
<b>DRIVER SIDE .....</b>	<b>118</b>	
DRIVER SIDE : Diagnosis Procedure .....	118	<b>K</b>
<b>PASSENGER SIDE .....</b>	<b>118</b>	
PASSENGER SIDE : Diagnosis Procedure .....	118	<b>L</b>
<b>SQUEAK AND RATTLE TROUBLE DIAGNOSES .....</b>	<b>119</b>	
Work Flow .....	119	<b>M</b>
Inspection Procedure .....	121	
Diagnostic Worksheet .....	123	
<b>PRECAUTION .....</b>	<b>125</b>	<b>N</b>
<b>PRECAUTIONS .....</b>	<b>125</b>	
Precaution for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TENSIONER" .....	125	<b>O</b>
Precautions for Removing Battery Terminal .....	125	
Service Notice .....	125	<b>P</b>
Precaution for Work .....	126	
<b>PREPARATION .....</b>	<b>127</b>	
<b>PREPARATION .....</b>	<b>127</b>	
Special Service Tool .....	127	
Commercial Service Tool .....	127	

---

<b>CLIP LIST .....</b>	<b>128</b>	<b>POWER SEAT SWITCH .....</b>	<b>150</b>
Clip List .....	128	Exploded View .....	150
<b>REMOVAL AND INSTALLATION .....</b>	<b>129</b>	Removal and Installation .....	150
<b>FRONT SEAT .....</b>	<b>129</b>	<b>LUMBAR SUPPORT SWITCH .....</b>	<b>151</b>
Exploded View .....	129	Exploded View .....	151
Removal and Installation .....	132	Removal and Installation .....	151
Disassembly and Assembly .....	133	<b>HEATED SEAT SWITCH .....</b>	<b>152</b>
<b>REAR SEAT .....</b>	<b>141</b>	Exploded View .....	152
Exploded View .....	141	Removal and Installation .....	152
Removal and Installation .....	142	<b>POWER RETURN SWITCH .....</b>	<b>153</b>
Disassembly and Assembly .....	144	Exploded View .....	153
<b>REAR SEAT BACK POWER RETURN CON-</b>		Removal and Installation .....	153
<b>TROL UNIT .....</b>	<b>148</b>	<b>REAR SEATBACK SWITCH .....</b>	<b>154</b>
Exploded View .....	148	Exploded View .....	154
Removal and Installation .....	148	Removal and Installation .....	154
<b>HEATED SEAT CONTROL UNIT .....</b>	<b>149</b>	<b>REAR SEATBACK RELEASE SWITCH .....</b>	<b>155</b>
Exploded View .....	149	Exploded View .....	155
Removal and Installation .....	149	Removal and Installation .....	155

# DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

## BASIC INSPECTION

### DIAGNOSIS AND REPAIR WORK FLOW

WorkFlow

INFOID:0000000010597759

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.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 3.

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

Use "Symptom diagnosis" from the symptom inspection result in step 2 and then identify where to start performing the diagnosis based on possible causes and symptoms.

>> GO TO 4.

#### 4.IDENTIFY THE MALFUNCTIONING PARTS WITH "COMPONENT DIAGNOSIS"

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

>> GO TO 5.

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

Repair or replace the specified malfunctioning parts.

>> GO TO 6.

#### 6.FINAL CHECK

Check that malfunctions are not reproduced when obtaining the malfunction information from the customer, referring to the symptom inspection result in step 2.

Are the malfunctions corrected?

YES >> INSPECTION END

NO >> GO TO 3.

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

# POWER SEAT

< SYSTEM DESCRIPTION >

## SYSTEM DESCRIPTION

### POWER SEAT

#### System Description

INFOID:0000000010597760

BCM can operate regardless of the ignition switch position, because battery power is supplied at all times to power seat switch.

#### SLIDING OPERATION

While operating the sliding switch located in power seat switch, sliding motor operates and makes possible the seat front and back position adjustment.

#### RECLINING OPERATION

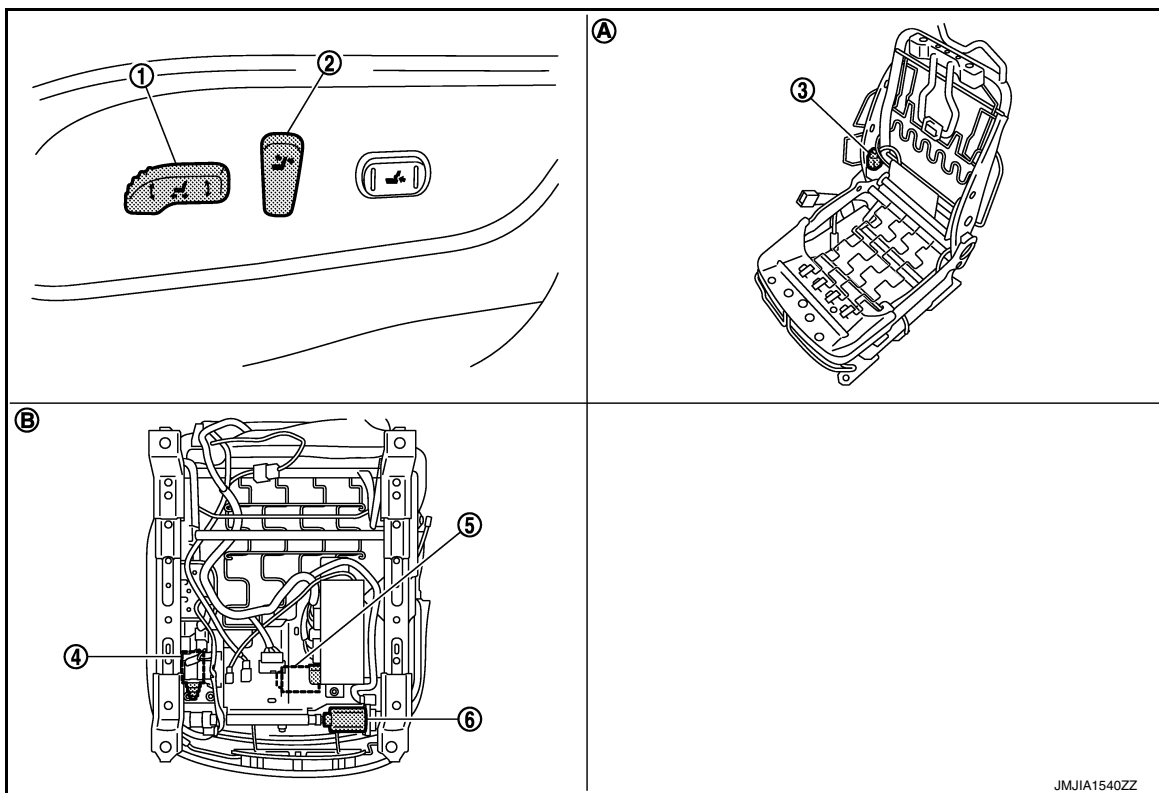
While operating the reclining switch located in power seat switch, reclining motor operates and makes possible the seat back forward and backward position adjustment.

#### LIFTING OPERATION

While operating the lifting switch located in power seat switch, lifting motor operates and makes possible the seat cushion up and down position adjustment.

#### Component Parts Location

INFOID:0000000010597761



- |  |                          |                    |
|--|--------------------------|--------------------|
| 1. Sliding switch and lifting switch                         | 2. Reclining switch      | 3. Reclining motor |
| 4. Lifting motor (rear)                                      | 5. Lifting motor (front) | 6. Sliding motor   |
| A. View with seat cushion pad and seat back pad are removed. |                          |                    |
| B. Backside of seat cushion                                  |                          |                    |

# POWER SEAT

< SYSTEM DESCRIPTION >

## Component Description

INFOID:0000000010597762

Item	Function
BCM	Supplies at all times the power received from battery to power seat switch
Power seat switch	Built-in reclining switch, sliding switch and lifting switch, controls the power supplied to each motor
Reclining motor	With the power supplied from power seat switch, operates forward and backward movement of seatback
Sliding motor	With the power supplied from power seat switch, operates forward and backward slide of seat
Lifting motor (front/rear)	With the power supplied from power seat switch, operates up and down movement of seat cushion

A

B

C

D

E

F

G

H

I

SE

K

L

M

N

O

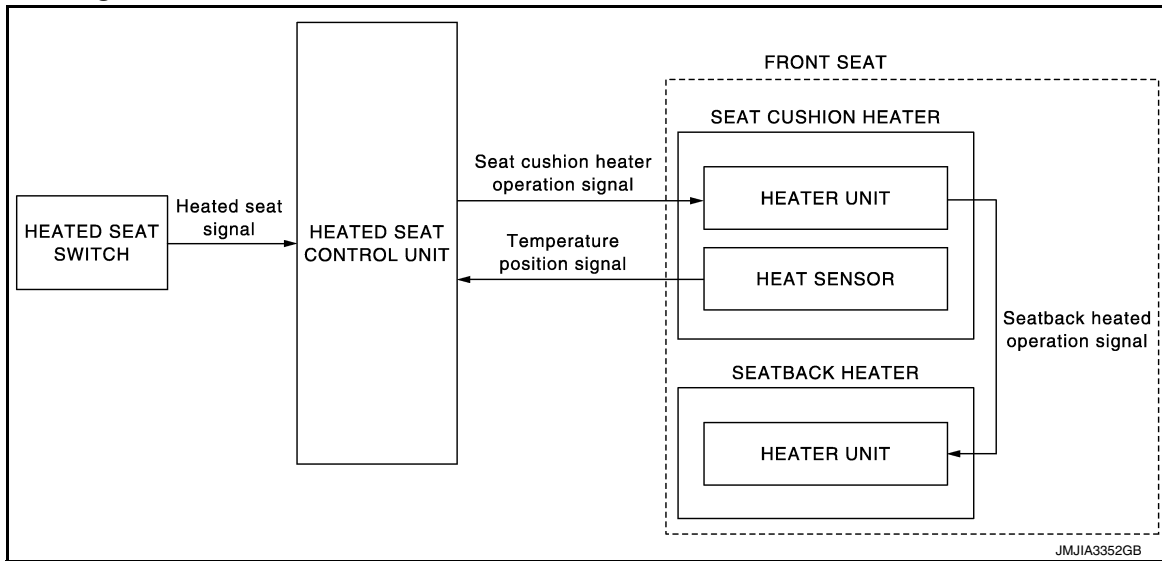
P

# HEATED SEAT

< SYSTEM DESCRIPTION >

## HEATED SEAT

### System Diagram



### System Description

INFOID:0000000010597764

- Heated seat is activated by heated seat switch while ignition switch is ON, and has the function to warm seat cushion and seatback.
- Heated seat equips the 6-stage temperature adjustment function that adjusts temperature by operating heated seat switch to the optimal position.
- Heated seat equips a thermostat in heater unit to prevent heater unit overheating.

### OPERATION DESCRIPTION

- When operating heated seat switch to any position between 1 and 6 while ignition switch is ON, indicator illuminates, heated seat control unit supplies power supply to heater unit, and warms seat cushion and seatback.
- Heat sensor that is built in seat cushion heater detects seat cushion heater temperature and outputs to heated seat control unit.
- Heated seat control unit monitors the heated seat switch position and heater sensor temperature, and interrupts power supply to heater unit when the heat sensor temperature reaches preset temperature.
- Heated seat control unit adjusts temperature to preset temperature by supplying or interrupting power supply to heater unit.

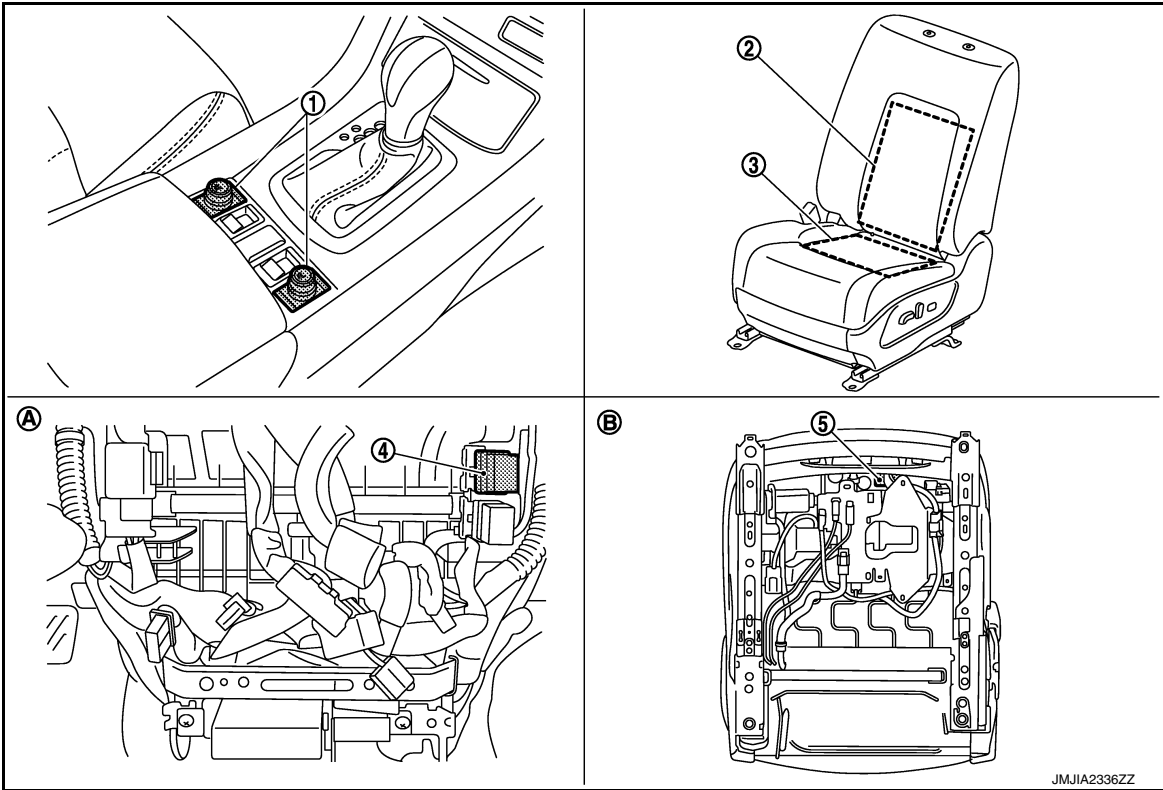


# HEATED SEAT

< SYSTEM DESCRIPTION >

## Component Parts Location

INFOID:0000000010597765



1. Heated seat switch

4. Heated seat relay

A. Behind cluster lid C
2. Seatback heater

5. Heated seat control unit

B. Backside of seat cushion
3. Seat cushion heater

SE

## Component Description

INFOID:0000000010597766

Item	Function
Heated seat switch	<ul style="list-style-type: none"><li>Adjusts heated seat temperature and deactivates heated seat</li><li>Equips indicator that indicates the operating condition</li></ul>
Seat cushion heater	<ul style="list-style-type: none"><li>Warms seat cushion</li><li>Contains heater sensor that outputs seat cushion heater temperature to heated seat control unit</li></ul>
Seatback heater	Warms seatback
Heated seat relay	Supplies power to the heated seat being controlled by ignition power supply
Heated seat control unit	Controls heated seat temperature and is independently placed in each seat cushion (driver seat and passenger seat)

K

L

M

N

O

P

# LUMBAR SUPPORT

## < SYSTEM DESCRIPTION >

### LUMBAR SUPPORT

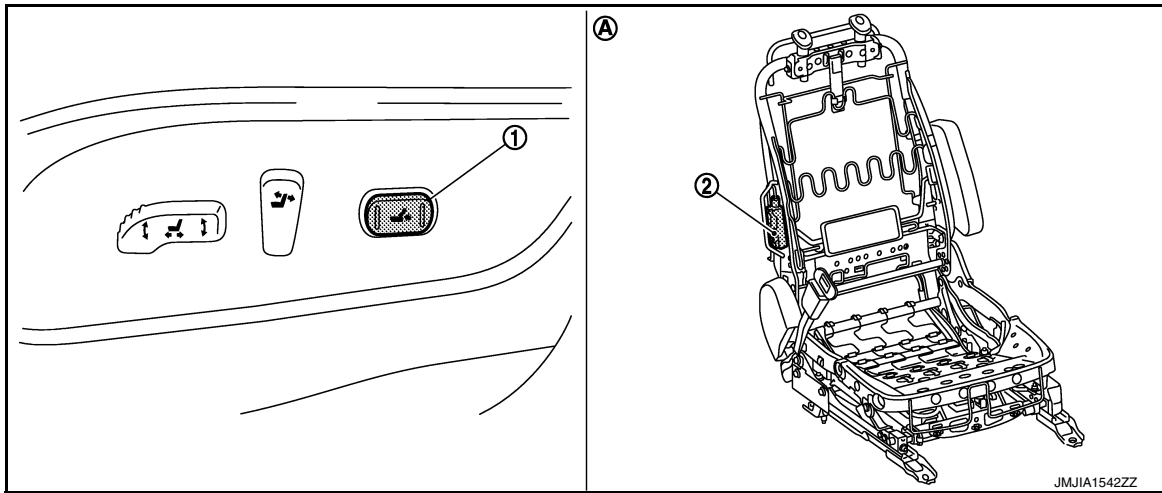
#### System Description

INFOID:0000000010597767

- Lumbar support can operate regardless of the ignition switch position because battery power is supplied to it at all times.
- While operating the lumbar support switch, lumbar support motor operates which allows forward and backward operation of seatback support.

#### Component Parts Location

INFOID:0000000010597768



1. Lumbar support switch                      2. Lumbar support motor  
A. View with seat back pad is removed

#### Component Description

INFOID:0000000010597769

Item	Function
Lumbar support switch	Controls the power supplied to lumbar support motor
Lumbar support motor	With the power supplied from lumbar support switch, operates forward and backward movement of seatback support device

# REAR SEATBACK RELEASE CONTROL

< SYSTEM DESCRIPTION >

## REAR SEATBACK RELEASE CONTROL

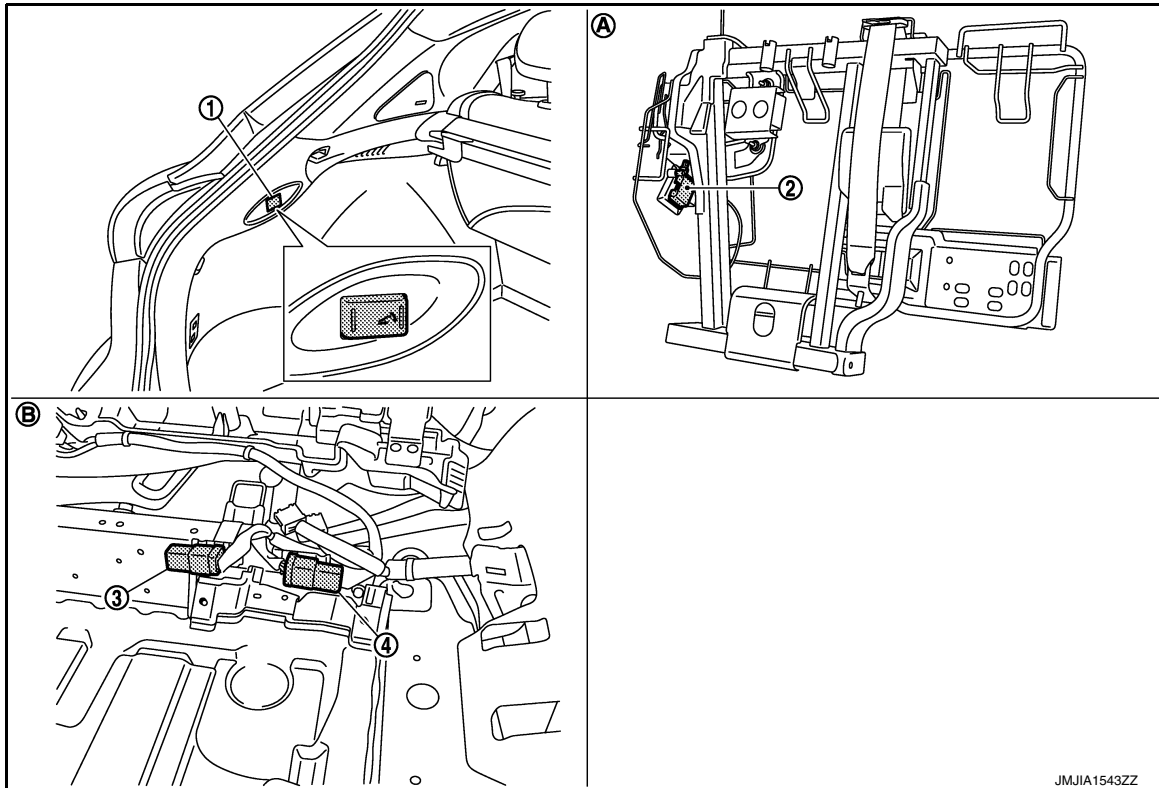
### System Description

INFOID:0000000010597770

- Rear seatback release control is composed of rear seatback release switch and rear seatback release actuator
- When rear seatback release switch is pressed, the rear seatback release actuator operate in order to unlock the rear seatback lock
- When the rear seatback is unlocked, the spring located inside the rear seat device rebound, and the rear seatback return to the fall down position

### Component Parts Location

INFOID:0000000010597771



1. Rear seatback release switch LH      2. Rear seatback release actuator RH      3. Rear seatback release relay LH  
4. Rear seatback release relay RH  
A. In seatback      B. Behind of rear seat RH

### Component Description

INFOID:0000000010597772

Item	Function
Rear seatback release switch	Release the rear seatback when it is locked
Rear seatback release actuator	Pressed the rear seatback release switch to release the rear seatback when it is locked

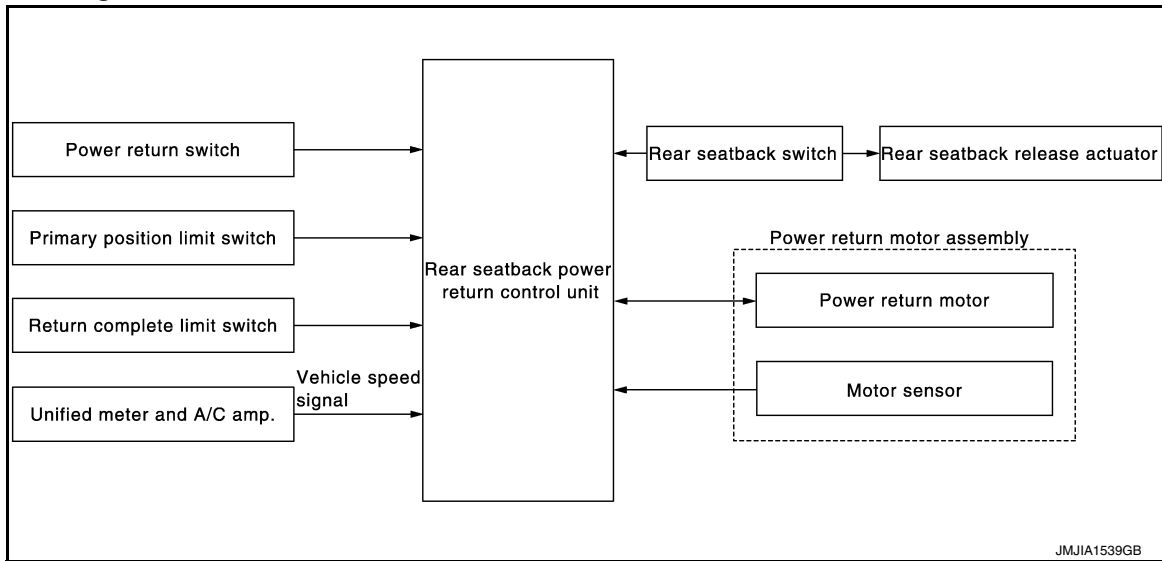
# REAR SEATBACK POWER RETURN SYSTEM

< SYSTEM DESCRIPTION >

## REAR SEATBACK POWER RETURN SYSTEM

### System Diagram

INFOID:0000000010597773



### System Description

INFOID:0000000010597774

#### DESCRIPTION

##### Rear Seatback Release Control

- Rear seatback release control is composed of rear seatback release switch and rear seatback release actuator
- When rear seatback switch is pressed in release direction, the rear seatback release actuator operate in order to unlock the rear seatback lock
- When the rear seatback is unlocked, the spring located inside the rear seat device rebound, and the rear seatback return to the fall down position.

##### Rear Seatback Power Return System

- The rear seat back power return system is the system that enables the return operation of the left and right rear seatbacks independently by pressing and holding the power return switch or the rear seatback switch in the UP direction.
- As for the safety mechanism, the reverse operation is performed if the switch is released during the return operation. The anti-pitch function is installed so that the automatic reverse operation is performed if the pinching of foreign materials between the left and right rear seatbacks is detected.

#### OPERATION DESCRIPTION

The rear seatback power return system consists of the sector gear that transmits the movement information of rear seatback power return control unit, power return switch, power return motor, motor sensor, primary position limit switch, return complete limit switch and power return motor.

##### Return Operation Starting Condition

The rear seat back return operation starts when all of the following conditions are satisfied.

- Vehicle speed 2 km/h (1 MPH) or less
- Return complete limit switch: ON
- The battery voltage is normal

Operation sequence	Rear seatback condition	Sector gear condition	Primary position limit switch	Return complete limit switch
1	Return completion position	Initial position	OFF	OFF
2	Fold-down position	Initial position	OFF	ON
3	Active	Return non-completion position	OFF → ON	ON

# REAR SEATBACK POWER RETURN SYSTEM

## < SYSTEM DESCRIPTION >

Operation sequence	Rear seatback condition	Sector gear condition	Primary position limit switch	Return complete limit switch
4	Return completion position	Return completion position	ON	OFF
5		Initial position	OFF	OFF

- In the condition that the rear seatback is raised (return completion position), the sector gear is in the initial position and the primary position limit switch and return complete limit switch are OFF.
- When the rear seatback to the fold-down position, the return complete limit switch turns ON, and the rear seatback power return control unit judges that the rear seatback is tilted (return non-completion position).
- When pressing and holding the power return switch or the rear seatback switch in the UP direction, the rear seatback power return control unit detects the power return ON signal and supplies the power to the power return motor. Then, the rear seatback power return control unit sounds the operation start buzzer.
- With the power supplied from the rear seat back power control unit, the power return motor rotates in the return direction. The rear seatback starts the return operation via the sector gear.
- When the sector gear starts rotating in the return direction, the primary position limit switch turns ON. The rear seatback power return control unit judges that the sector gear is in any position other than the initial position.
- When the rear seatback moves to the return position, the return complete limit switch turns OFF. The rear seatback power return control unit activates the return completion buzzer and stops the power return motor. Then, the rear seatback power return control unit reverses the power return motor after 0.2 seconds so that the sector gear returns to the initial position.
- When the sector gear returns to the initial position by reverse rotation of the power return motor, the primary position limit switch turns OFF. The rear seatback power return control unit stops the reverse operation of the power return motor. The return operation is completed.
- When releasing the switch during the return operation (both the primary position limit switch and return complete limit switch are ON), the rear seatback power return control unit detects the power switch OFF signal and returns the rear seatback to the fold-down position by the reverse rotation of the power return motor. When pushing the switch again during the reverse operation, the return operation restarts.

### NOTE:

Disconnect the battery with the sector gear in any position other than the initial position (primary position limit switch: ON). The sector gear is returned to the initial position when the battery is connected again.

## ANTI-PINCH OPERATION

When the pinch between RH/LH rear seatbacks is detected during the return operation, the malfunction detecting buzzer sounds and the rear seatback returns to the fold-down position.

- If there is a pinching of foreign materials between the left and right rear seatbacks during the return operation (both the primary position limit switch and return complete switch are ON), the voltage pulse of motor sensor changes.
- When inputting the pinching signal from the motor sensor, the rear seatback power return control unit sounds the malfunction detecting buzzer and stops the power return motor. Then, the rear seatback power return control unit reverses the power return motor after 0.2 second so that the rear seatback returns to the fold-down position.

## SECTOR GEAR REVERSE STARTING CONDITION

If any of the following conditions are satisfied, the sector gear may be reversed.

- Rear seatback return is completed (return complete limit switch: OFF)
- Release the power return switch before completing the return
- Pinch detection
- Lock detection of power return motor (Lock at normal rotation)
- The rear seatback return is not completed within 60 seconds
- Detect the battery voltage malfunction during the return operation
- Return to the normal condition after detecting the battery voltage malfunction during the return operation
- The primary position limit switch does not turn OFF → ON within the specified motor pulse number from starting the return operation.

## SECTOR GEAR REVERSE STOP CONDITION

If any of the following conditions are satisfied, the reverse operation stops.

- Sector gear initial position (primary position limit switch: OFF)
- Lock detection of power return motor (Lock during reverse operation)
- The sector gear initial position is not completed within 60 seconds

# REAR SEATBACK POWER RETURN SYSTEM

## < SYSTEM DESCRIPTION >

### NOTE:

The battery voltage indicates the voltage between battery voltage (system) terminal 17 and GND (system) terminal 32 of rear seatback power return control unit. It is normal when the voltage is  $7.5 \pm 10\%$  or more. If it is less than the specified value, there is a malfunction.

### POWER CONSUMPTION CONTROL SYSTEM

Rear seatback power return control unit incorporates a power consumption control function that reduces the power consumption according to the vehicle status.

#### Low Power Consumption Mode

If all of the following conditions are satisfied for 30 seconds period of time, the system shifts to the low power consumption mode.

- Power return switch or rear seatback switch is OFF
- Power return motor does not operate
- Vehicle speed 2 km/h (1 MPH) or less

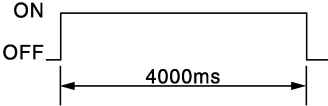
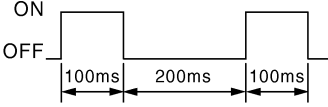
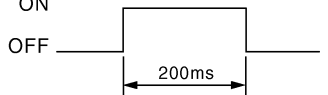
If any of the following conditions are satisfied, the low power consumption mode is released.

- When the power return switch or rear seatback switch is pressed
- When the change occurs to the pulse of vehicle speed sensor

There are the following functions as the low power consumption mode.

- Turn the power supply of primary position limit switch and return complete limit switch to OFF
- Turn the power supply of the motor sensor to OFF when the power return motor is not operated

### BUZZER OPERATION PATTERN AND ORDER OF PRIORITY

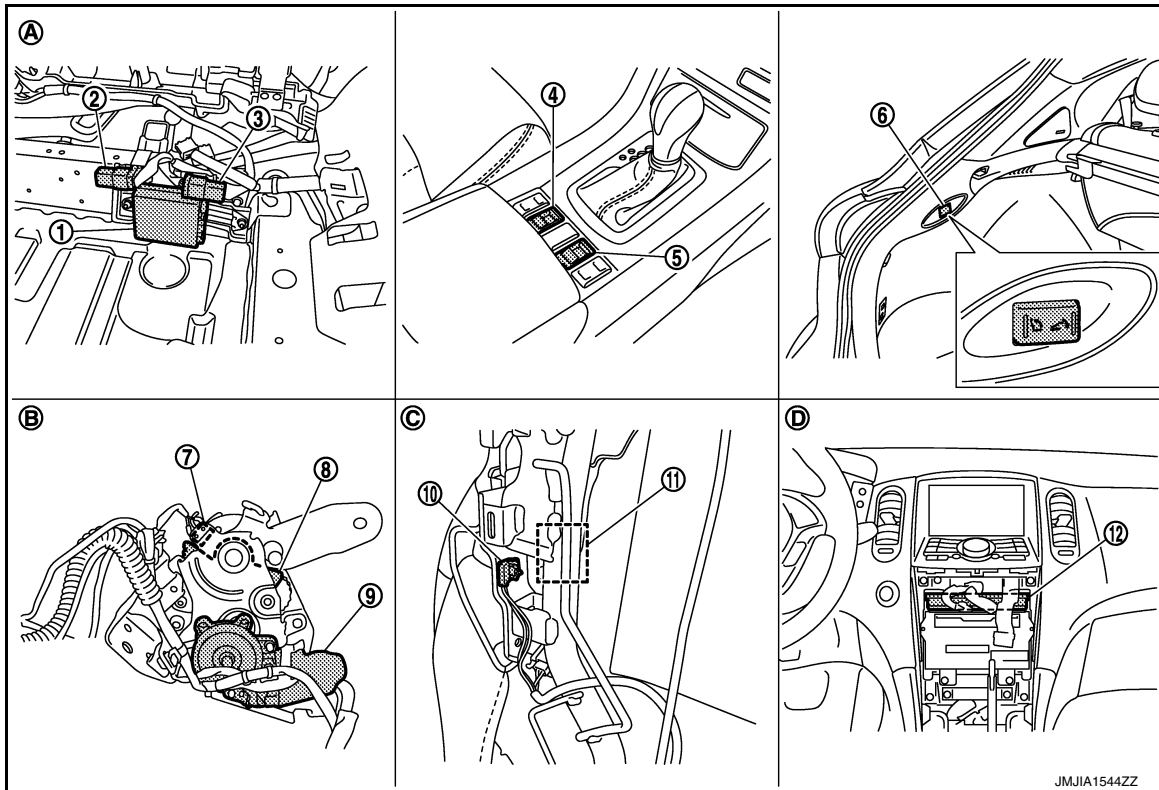
Operation type	Sound pattern	Priority
Malfunction	 <p>JMJIA1396ZZ</p>	1
Return operation completed	 <p>JMJIA1395ZZ</p>	2
Start return operation	 <p>JMJIA1394ZZ</p>	3

# REAR SEATBACK POWER RETURN SYSTEM

< SYSTEM DESCRIPTION >

## Component Parts Location

INFOID:0000000010597775



- |  |                                       |                                      |
|--|---------------------------------------|--------------------------------------|
| 1. Rear seatback power return control unit | 2. Rear seatback release relay LH     | 3. Rear seatback release relay RH    |
| 4. Power return switch LH                  | 5. Power return switch RH             | 6. Rear seatback switch LH           |
| 7. Primary position limit switch RH        | 8. Sector gear RH                     | 9. Power return motor assembly RH    |
| 10. Return complete limit switch LH        | 11. Rear seatback release actuator LH | 12. Unified meter and A/C amp.       |
| A. Behind of rear seat RH                  | B. In seat device                     | C. View with seatback pad is removed |
| D. Behind cluster lid C                    |                                       |                                      |

## Component Description

INFOID:0000000010597776

Item	Function
Rear seatback power return control unit	Control the rear seatback power return system
Power return motor	Operate the rear seatback
Motor sensor	Detect the operation of power return motor
Power return switch	Switch that performs the return operation
Rear seatback switch	Performs the return operation or release the rear seatback when it is locked
Rear seatback release actuator	Pressed the rear seatback release switch to release the rear seatback when it is locked
Primary position limit switch	Detect the initial position of sector gear
Return complete limit switch	Detect the return position of rear seatback
Unified meter and A/C amp.	Transmit the vehicle speed signal
Sector gear	Transmit the operation of power return motor to rear seatback

## POWER SUPPLY AND GROUND CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

### DTC/CIRCUIT DIAGNOSIS

#### POWER SUPPLY AND GROUND CIRCUIT

#### REAR SEATBACK POWER RETURN CONTROL UNIT

#### REAR SEATBACK POWER RETURN CONTROL UNIT : Diagnosis Procedure

INFOID:0000000010597777

##### 1.CHECK FUSE

Check that the following fuses are not fusing.

Terminal No.	Signal name	Fuse No.
16	Battery power supply	32 (30 A)
17		6 (10 A)

Is the fuse fusing?

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

NO >> GO TO 2.

##### 2.CHECK REAR SEATBACK POWER RETURN CONTROL UNIT POWER SUPPLY

1. Turn ignition switch OFF.
2. Disconnect rear seatback power return control unit connector.
3. Check voltage between rear seatback power return control unit harness connector and ground.

(+)		(-)	Voltage (Approx.)
Rear seatback power return control unit			
Connector	Terminal		
B226	17	Ground	Battery voltage
B227	16		

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair harness or connector.

##### 3.CHECK REAR SEATBACK POWER RETURN CONTROL UNIT GROUND CIRCUIT

Check continuity between rear seatback power return control unit harness connector and ground.

Rear seatback power return control unit		Ground	Continuity
Connector	Terminal		
B226	32		Existed
B227	13		

Is the inspection result normal?

YES >> INSPECTION END

NO >> Repair harness or connector.

#### HEATED SEAT CONTROL UNIT

#### HEATED SEAT CONTROL UNIT : Diagnosis Procedure

INFOID:0000000010597778

##### 1.CHECK FUSE

Check that the following fuse is not blown.

Signal name	Fuse No.
Battery power supply	35 (15 A)

Is the inspection result normal?



# POWER SUPPLY AND GROUND CIRCUIT

## < DTC/CIRCUIT DIAGNOSIS >

YES >> GO TO 2.

NO >> Replace the blown fuse after repairing the affected circuit if fuse is blown.

### 2.CHECK HEATED SEAT CONTROL UNIT POWER SUPPLY 1

1. Turn ignition switch OFF.
2. Disconnect heated seat control unit connector.
3. Turn ignition switch ON.
4. Check voltage between heated seat control unit harness connector and ground.

(+) Heated seat control unit		Terminal	(-)	Voltage (V) (Approx.)
Connector				
Driver side	B439	60	Ground	Battery voltage
Passenger side	B462			

Is the inspection result normal?

YES >> GO TO 4.

NO >> GO TO 3.

### 3.CHECK HEATED SEAT CONTROL UNIT POWER SUPPLY CIRCUIT 1

1. Turn ignition switch OFF.
2. Disconnect heated seat relay.
3. Check continuity between heated seat control unit harness connector and heated seat relay terminal connector.

Heated seat control unit		Terminal	Heated seat relay		Continuity
Connector			Connector	Terminal	
Driver side	B439	60	M70	3	Existed
Passenger side	B462				

4. Check continuity between heated seat control unit harness connector and ground.

Heated seat control unit		Terminal	Ground	Continuity
Connector				
Driver side	B439	60		Not existed
Passenger side	B462			

Is the inspection result normal?

YES >> Repair or replace harness between heated seat relay and fuse holder.

NO >> Repair or replace harness between heated seat control unit and heated seat relay.

### 4.CHECK HEATED SEAT CONTROL UNIT POWER SUPPLY 2

Check voltage between heated seat control unit harness connector and ground.

(+) Heated seat control unit		Terminal	(-)	Condition		Voltage (V) (Approx.)
Connector						
Driver side	B439	66	Ground	Heated seat switch	ON	Battery voltage
					OFF	0
Passenger side	B462				ON	Battery voltage
					OFF	0

Is the inspection result normal?

YES >> GO TO 7.

NO >> GO TO 5.

### 5.CHECK HEATED SEAT CONTROL UNIT POWER SUPPLY CIRCUIT 2

## POWER SUPPLY AND GROUND CIRCUIT

### < DTC/CIRCUIT DIAGNOSIS >

1. Turn ignition switch OFF.
2. Disconnect heated seat switch connector.
3. Check continuity between heated seat control unit harness connector and heated seat switch harness connector.

Heated seat control unit		Heated seat switch		Continuity
Connector	Terminal	Connector	Terminal	
Driver side	B439	M177	1	Existed
Passenger side	B462	M178		

4. Check continuity between heated seat control unit harness connector and ground.

Heated seat control unit		Ground	Continuity
Connector	Terminal		
Driver side	B439	66	Not existed
Passenger side	B462		

#### Is the inspection result normal?

YES >> GO TO 6.

NO >> Repair or replace harness.

### 6.CHECK HEATED SEAT SWITCH

Check heated seat switch.

- Driver side: Refer to [SE-48, "DRIVER SIDE : Component Inspection"](#).
- Passenger side: Refer to [SE-49, "PASSENGER SIDE : Component Inspection"](#).

#### Is the inspection result normal?

YES >> GO TO 8.

NO >> Replace heated seat switch. Refer to [SE-152, "Removal and Installation"](#).

### 7.CHECK HEATED SEAT CONTROL UNIT GROUND CIRCUIT

1. Turn ignition switch OFF.
2. Check continuity between heated seat control unit harness connector and ground.

Heated seat control unit		Ground	Continuity
Connector	Terminal		
Driver side	B439	59	Exists
Passenger side	B462		

#### Is the inspection result normal?

YES >> INSPECTION END

NO >> Repair or replace harness.

### 8.CHECK INTERMITTENT INCIDENT

Check intermittent incident.

Refer to [GI-45, "Intermittent Incident"](#).

>> INSPECTION END

## HEATED SEAT SWITCH

### HEATED SEAT SWITCH : Diagnosis Procedure

INFOID:0000000010597779

#### 1.CHECK FUSE

Check that the following fuse is not blown.

Signal name	Fuse No.
Ignition power supply	3 (10 A)

## POWER SUPPLY AND GROUND CIRCUIT

### < DTC/CIRCUIT DIAGNOSIS >

#### Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace the blown fuse after repairing the affected circuit if fuse is blown.

### 2.CHECK HEATED SEAT SWITCH POWER SUPPLY

1. Turn ignition switch OFF.
2. Disconnect heated seat switch connector.
3. Turn ignition switch ON.
4. Check voltage between heated seat switch harness connector and ground.

(+)		(-)	Voltage (V) (Approx.)
Heated seat switch			
Connector	Terminal		
Driver side	M177	Ground	Battery voltage
Passenger side	M178		

#### Is the inspection result normal?

YES >> INSPECTION END

NO >> GO TO 3.

### 3.CHECK HEATED SEAT SWITCH POWER SUPPLY CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect fuse block (J/B) connector.
3. Check continuity between heated seat switch harness connector and fuse block (J/B) harness connector.

Heated seat switch		Fuse block (J/B)		Continuity
Connector	Terminal	Connector	Terminal	
Driver side	M177	M1	2A	Existed
Passenger side	M178			

4. Check continuity between heated seat switch harness connector and ground.

Heated seat switch		Ground	Continuity
Connector	Terminal		
Driver side	M177		Not existed
Passenger side	M178	5	

#### Is the inspection result normal?

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) connector (fuse block side) and ground.

(+)		(-)	Voltage (V) (Approx.)
Fuse block (J/B)			
Connector	Terminal		
M1	2A	Ground	Battery voltage

#### 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-45, "Intermittent Incident"](#).

## **POWER SUPPLY AND GROUND CIRCUIT**

< DTC/CIRCUIT DIAGNOSIS >

---

>> INSPECTION END

# POWER RETURN SWITCH

< DTC/CIRCUIT DIAGNOSIS >

## POWER RETURN SWITCH

LH

### LH : Description

INFOID:0000000010597780

Switch that performs the return operation.

### LH : Component Function Check

INFOID:0000000010597781

### 1.CHECK POWER RETURN SWITCH (LH) FUNCTION

Check that the rear seatback (LH) rises when pressing and holding the power return switch (LH).

Is the inspection result normal?

- YES >> Power return switch (LH) is OK.  
NO >> Refer to [SE-21, "LH : Diagnosis Procedure"](#).

### LH : Diagnosis Procedure

INFOID:0000000010597782

### 1.CHECK REAR SEATBACK POWER RETURN CONTROL UNIT INPUT SIGNAL

1. Turn ignition switch OFF.
2. Disconnect power return switch (LH) connector.
3. Check voltage between power return switch (LH) harness connector and ground.

(+)		(-)	Voltage (V) (Approx.)
Power return switch (LH)			
Connector	Terminal		
M174	1	Ground	5

Is the inspection result normal?

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

### 2.CHECK FRONT POWER RETURN SWITCH (LH) CIRCUIT

1. Disconnect rear seatback power return control unit connector.
2. Check continuity between rear seatback power return control unit harness connector and power return switch (LH) harness connector.

Rear seatback power return control unit		Power return switch (LH)		Continuity
Connector	Terminal	Connector	Terminal	
B226	28	M174	1	Existed

3. Check continuity between rear seatback power return control unit harness connector and ground.

Rear seatback power return control unit		Ground	Continuity
Connector	Terminal		
M226	28		Not existed

Is the inspection result normal?

- YES >> Replace rear seatback power return control unit. Refer to [SE-148, "Removal and Installation"](#).  
NO >> Repair or replace harness.

### 3.CHECK POWER RETURN SWITCH (LH) GROUND CIRCUIT

Check continuity power return switch (LH) harness connector and ground.

Power return switch (LH)		Ground	Continuity
Connector	Terminal		
M174	2		Existed

## POWER RETURN SWITCH

### < DTC/CIRCUIT DIAGNOSIS >

#### Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

#### 4.CHECK POWER RETURN SWITCH (LH)

Check power return switch (LH).

Refer to [SE-22, "LH : Component Inspection"](#).

#### Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace power return switch (LH). Refer to [SE-153, "Removal and Installation"](#).

#### 5.CHECK INTERMITTENT INCIDENT

Refer to [GI-45, "Intermittent Incident"](#).

>> INSPECTION END

### LH : Component Inspection

INFOID:0000000010597783

#### 1.CHECK FRONT POWER RETURN SWITCH (LH)

1. Turn ignition OFF.
2. Disconnect power return switch (LH) connector.
3. Check power return switch (LH) terminals.

Power return switch (LH)		Condition	Continuity
Terminal			
1	2	Power return switch (LH) is pressed	Existed
		Power return switch (LH) is released	Not existed

#### Is the inspection result normal?

YES >> Power return switch (LH) is OK.

NO >> Replace power return switch (LH). Refer to [SE-153, "Removal and Installation"](#).

### RH

### RH : Description

INFOID:0000000010597784

Switch that performs the return operation.

### RH : Component Function Check

INFOID:0000000010597785

#### 1.CHECK POWER RETURN SWITCH (RH) FUNCTION

Check that the rear seatback (RH) rises when pressing and holding the power return switch (RH).

#### Is the inspection result normal?

YES >> Power return switch (RH) is OK.

NO >> Refer to [SE-22, "RH : Diagnosis Procedure"](#).

### RH : Diagnosis Procedure

INFOID:0000000010597786

#### 1.CHECK REAR SEATBACK POWER RETURN CONTROL UNIT INPUT SIGNAL

1. Turn ignition switch OFF.
2. Disconnect power return switch (RH) connector.
3. Check voltage between power return switch (RH) harness connector and ground.

(+)		(-)	Voltage (V) (Approx.)
Power return switch (RH)			
Connector	Terminal		
M175	1	Ground	5

# POWER RETURN SWITCH

## < DTC/CIRCUIT DIAGNOSIS >

### Is the inspection result normal?

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

## 2.CHECK POWER RETURN SWITCH (RH) CIRCUIT

1. Disconnect rear seatback power return control unit connector.
2. Check continuity between rear seatback power return control unit harness connector and power return switch (RH) harness connector.

Rear seatback power return control unit		Power return switch (RH)		Continuity
Connector	Terminal	Connector	Terminal	
B226	20	M175	1	Existed

3. Check continuity between rear seatback power return control unit harness connector and ground.

Rear seatback power return control unit		Ground	Continuity
Connector	Terminal		
B226	20		Not existed

### Is the inspection result normal?

- YES >> Replace rear seatback power return control unit. Refer to [SE-148. "Removal and Installation"](#).  
NO >> Repair or replace harness.

## 3.CHECK POWER RETURN SWITCH (RH) GROUND CIRCUIT

Check continuity power return switch (RH) harness connector and ground.

Power return switch (RH)		Ground	Continuity
Connector	Terminal		
M175	2		Existed

### Is the inspection result normal?

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

## 4.CHECK POWER RETURN SWITCH (RH)

Check power return switch (RH).

Refer to [SE-23. "RH : Component Inspection"](#).

### Is the inspection result normal?

- YES >> GO TO 5.  
NO >> Replace power return switch (RH). Refer to [SE-153. "Removal and Installation"](#).

## 5.CHECK INTERMITTENT INCIDENT

Refer to [GI-45. "Intermittent Incident"](#).

>> INSPECTION END

## RH : Component Inspection

INFOID:0000000010597787

## 1.CHECK POWER RETURN SWITCH (RH)

1. Turn ignition OFF.
2. Disconnect power return switch (RH) connector.
3. Check power return switch (RH) terminals.

Power return switch (RH)		Condition	Continuity
Terminal			
1	2	Power return switch (RH) is pressed	Existed
		Power return switch (RH) is released	Not existed

## POWER RETURN SWITCH

### < DTC/CIRCUIT DIAGNOSIS >

---

#### Is the inspection result normal?

YES >> Power return switch (RH) is OK.

NO >> Replace power return switch (RH). Refer to [SE-153. "Removal and Installation"](#).



# REAR SEATBACK SWITCH

< DTC/CIRCUIT DIAGNOSIS >

## REAR SEATBACK SWITCH

LH

### LH : Description

INFOID:0000000010597788

Switch that performs the return operation or release operation.

### LH : Component Function Check

INFOID:0000000010597789

### 1.CHECK FUNCTION

Check that the rear seatback (LH) rises when pressing and holding the rear seatback switch (LH) in UP direction.

Is the inspection result normal?

- YES >> Rear seatback switch (LH) is OK.  
NO >> Refer to [SE-25. "LH : Diagnosis Procedure"](#).

### LH : Diagnosis Procedure

INFOID:0000000010597790

### 1.CHECK REAR SEATBACK POWER RETURN CONTROL UNIT INPUT SIGNAL

1. Turn ignition switch OFF.
2. Disconnect rear seatback switch (LH) connector.
3. Check voltage between rear seatback switch (LH) harness connector and ground.

(+)		(-)	Voltage (V) (Approx.)
Rear seatback switch (LH)			
Connector	Terminal		
B52	2	Ground	5

Is the inspection result normal?

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

### 2.CHECK REAR SEAT BACK SWITCH (LH) CIRCUIT

1. Disconnect rear seatback power return control unit connector.
2. Check continuity between rear seatback power return control unit harness connector and rear seatback switch (LH) harness connector.

Rear seatback power return control unit		Rear seatback switch (LH)		Continuity
Connector	Terminal	Connector	Terminal	
B226	28	B52	2	Existed

3. Check continuity between rear seatback power return control unit harness connector and ground.

Rear seatback power return control unit		Ground	Continuity
Connector	Terminal		
B226	28		Not existed

Is the inspection result normal?

- YES >> Replace rear seatback power return control unit. Refer to [SE-148. "Removal and Installation"](#).  
NO >> Repair or replace harness.

### 3.CHECK REAR SEATBACK SWITCH (LH) GROUND CIRCUIT

Check continuity rear seatback switch (LH) harness connector and ground.

Rear seatback switch (LH)		Ground	Continuity
Connector	Terminal		
B52	3		Existed

## REAR SEATBACK SWITCH

### < DTC/CIRCUIT DIAGNOSIS >

#### Is the inspection result normal?

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

#### 4.CHECK REAR SEATBACK SWITCH (LH)

Check rear seatback switch (LH).

Refer to [SE-26, "LH : Component Inspection"](#).

#### Is the inspection result normal?

- YES >> GO TO 5.  
NO >> Replace rear seatback switch (LH). Refer to [SE-155, "Removal and Installation"](#).

#### 5.CHECK INTERMITTENT INCIDENT

Refer to [GI-45, "Intermittent Incident"](#).

>> INSPECTION END

### LH : Component Inspection

INFOID:0000000010597791

#### 1.CHECK REAR SEATBACK SWITCH (LH)

1. Turn ignition switch OFF.
2. Disconnect rear seatback switch (LH) connector.
3. Check rear seatback switch (LH) terminals.

Rear seatback switch (LH)		Condition	Continuity
Terminal			
2	3	Rear seatback switch (LH) is pressed in UP direction	Existed
		Rear seatback switch (LH) is released in UP direction	Not existed

#### Is the inspection result normal?

- YES >> Rear seatback switch (LH) is OK.  
NO >> Replace seatback return switch (LH). Refer to [SE-155, "Removal and Installation"](#).

### RH

### RH : Description

INFOID:0000000010597792

Switch that performs the return operation or release operation.

### RH : Component Function Check

INFOID:0000000010597793

#### 1.CHECK FUNCTION

Check that the rear seatback (RH) rises when pressing and holding the rear seatback switch (RH) in UP direction.

#### Is the inspection result normal?

- YES >> Rear seatback switch (RH) is OK.  
NO >> Refer to [SE-26, "RH : Diagnosis Procedure"](#).

### RH : Diagnosis Procedure

INFOID:0000000010597794

#### 1.CHECK REAR SEATBACK POWER RETURN CONTROL UNIT INPUT SIGNAL

1. Turn ignition switch OFF.
2. Disconnect rear seatback switch (RH) connector.
3. Check voltage between rear seatback switch (RH) harness connector and ground.

## REAR SEATBACK SWITCH

### < DTC/CIRCUIT DIAGNOSIS >

(+)		(-)	Voltage (V) (Approx.)
Rear seatback switch (RH)			
Connector	Terminal		
B239	2	Ground	5

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

### 2.CHECK REAR SEATBACK SWITCH (RH) CIRCUIT

1. Disconnect rear seatback power return control unit connector.
2. Check continuity between rear seatback power return control unit harness connector and rear seatback switch (RH) harness connector.

Rear seatback power return control unit		Rear seatback switch (RH)		Continuity
Connector	Terminal	Connector	Terminal	
B226	20	B239	2	Existed

3. Check continuity between rear seatback power return control unit harness connector and ground.

Rear seatback power return control unit		Ground	Continuity
Connector	Terminal		
B226	20		Not existed

Is the inspection result normal?

YES >> Replace rear seatback power return control unit. Refer to [SE-148, "Removal and Installation"](#).

NO >> Repair or replace harness.

### 3.CHECK REAR SEATBACK SWITCH (RH) GROUND CIRCUIT

Check continuity rear seatback switch (RH) harness connector and ground.

Rear seatback switch (RH)		Ground	Continuity
Connector	Terminal		
B239	3		Existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

### 4.CHECK REAR SEATBACK SWITCH (RH)

Check rear seatback switch (RH).

Refer to [SE-27, "RH : Component Inspection"](#).

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace rear seatback switch (RH). Refer to [SE-154, "Removal and Installation"](#).

### 5.CHECK INTERMITTENT INCIDENT

Refer to [GI-45, "Intermittent Incident"](#).

>> INSPECTION END

### RH : Component Inspection

INFOID:0000000010597795

### 1.CHECK REAR SEATBACK SWITCH (RH)

1. Turn ignition switch OFF.
2. Disconnect rear seatback switch (RH) connector.
3. Check rear seatback switch (RH) terminals.

## REAR SEATBACK SWITCH

### < DTC/CIRCUIT DIAGNOSIS >

Rear seatback switch (RH)		Condition	Continuity
Terminal			
2	3	Rear seatback switch (RH) is pressed in UP direction	Existed
		Rear seatback switch (RH) is released in UP direction	Not existed

#### Is the inspection result normal?

YES >> Rear seatback switch (RH) is OK.

NO >> Replace rear seatback switch (RH). Refer to [SE-154, "Removal and Installation"](#).

# PRIMARY POSITION LIMIT SWITCH

< DTC/CIRCUIT DIAGNOSIS >

## PRIMARY POSITION LIMIT SWITCH

LH

### LH : Description

INFOID:0000000010597796

Detect the initial position of sector gear (LH).

### LH : Component Function Check

INFOID:0000000010597797

### 1.CHECK FUNCTION

Check that the rear seatback (LH) rises when pressing and holding the power return switch (LH) or rear seatback switch (LH) in UP direction.

Is the inspection result normal?

- YES >> Primary position limit switch (LH) is OK.  
NO >> Refer to [SE-29, "LH : Diagnosis Procedure"](#).

### LH : Diagnosis Procedure

INFOID:0000000010597798

### 1.CHECK REAR SEATBACK POWER RETURN CONTROL UNIT INPUT SIGNAL

1. Turn ignition switch OFF.
2. Disconnect primary position limit switch (LH) connector.
3. Check voltage between primary position limit switch (LH) connector and ground.

(+)		(-)	Voltage (V) (Approx.)
Primary position limit switch (LH)			
Connector	Terminal		
B512	6	Ground	Battery voltage

#### NOTE:

It is not low power consumption mode.

Is the inspection result normal?

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

### 2.CHECK PRIMARY POSITION LIMIT SWITCH (LH) SIGNAL CIRCUIT

1. Disconnect rear seatback power return control unit connector.
2. Check continuity between rear seatback power return control unit harness connector and primary position limit switch (LH) harness connector.

Rear seatback power return control unit		Primary position limit switch (LH)		Continuity
Connector	Terminal	Connector	Terminal	
B226	21	B512	6	Existed

3. Check continuity between rear seatback power return control unit harness connector and ground.

Rear seatback power return control unit		Ground	Continuity
Connector	Terminal		
B226	21		Not existed

Is the inspection result normal?

- YES >> Replace rear seatback power return control unit. Refer to [SE-148, "Removal and Installation"](#).  
NO >> Repair or replace harness.

### 3.CHECK PRIMARY POSITION LIMIT SWITCH (LH) GROUND CIRCUIT

1. Check continuity between rear seatback power return control unit harness connector and primary position limit switch (LH) harness connector.

# PRIMARY POSITION LIMIT SWITCH

## < DTC/CIRCUIT DIAGNOSIS >

Rear seatback power return control unit		Primary position limit switch (LH)		Continuity
Connector	Terminal	Connector	Terminal	
B226	31	B512	9	Existed

2. Check continuity between rear seatback power return control unit harness connector and ground.

Rear seatback power return control unit		Ground	Continuity
Connector	Terminal		
B226	31		Not existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

### 4.CHECK PRIMARY POSITION LIMIT SWITCH (LH)

Check primary position limit switch (LH).

Refer to [SE-30, "LH : Component Inspection"](#).

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace primary position limit switch (LH) [seat device assembly (LH)]. Refer to [SE-141, "Exploded View"](#).

### 5.CHECK INTERMITTENT INCIDENT

Refer to [GI-45, "Intermittent Incident"](#).

>> INSPECTION END

## LH : Component Inspection

INFOID:0000000010597799

### COMPONENT INSPECTION

#### 1.CHECK PRIMARY POSITION LIMIT SWITCH (LH)

1. Turn ignition switch OFF.
2. Disconnect primary position limit switch (LH) connector.
3. Check primary position limit switch (LH) terminals.

Primary position limit switch (LH)		Condition	Continuity
Terminal			
6	9	Primary position limit switch (LH) is pressed	Existed
		Primary position limit switch (LH) is released	Not existed

Is the inspection result normal?

YES >> Primary position limit switch (LH) is OK.

NO >> Replace primary position limit switch (LH) [seat device assembly (LH)]. Refer to [SE-141, "Exploded View"](#).

## RH

### RH : Description

INFOID:0000000010597800

Detect the initial position of sector gear (RH).

### RH : Component Function Check

INFOID:0000000010597801

#### 1.CHECK FUNCTION

Check that the rear seatback (RH) rises when pressing and holding the power return switch (RH) or rear seat-back switch (RH) in UP direction.

Is the inspection result normal?

# PRIMARY POSITION LIMIT SWITCH

## < DTC/CIRCUIT DIAGNOSIS >

- YES >> Primary position limit switch (RH) is OK.  
NO >> Refer to [SE-31, "RH : Diagnosis Procedure"](#).

## RH : Diagnosis Procedure

INFOID:0000000010597802

### 1. CHECK REAR SEATBACK POWER RETURN CONTROL UNIT INPUT SIGNAL

1. Turn ignition switch OFF.
2. Connect primary position limit switch (RH) connector.
3. Check voltage between primary position limit switch (RH) harness connector and ground.

(+)		(-)	Voltage (V) (Approx.)
Primary position limit switch (RH)			
Connector	Terminal		
B505	15	Ground	Battery voltage

#### NOTE:

It is not low power consumption mode.

#### Is the inspection result normal?

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

### 2. CHECK PRIMARY POSITION LIMIT SWITCH (RH) SIGNAL CIRCUIT

1. Disconnect rear seatback power return control unit connector.
2. Check continuity between rear seatback power return control unit harness connector and primary position limit switch (RH) harness connector.

Rear seatback power return control unit		Primary position limit switch (RH)		Continuity
Connector	Terminal	Connector	Terminal	
B226	22	B505	15	Existed

3. Check continuity between rear seatback power return control unit harness connector and ground.

Rear seatback power return control unit		Ground	Continuity
Connector	Terminal		
B226	22		Not existed

#### Is the inspection result normal?

- YES >> Replace rear seatback power return control unit. Refer to [SE-148, "Removal and Installation"](#).  
NO >> Repair or replace harness.

### 3. CHECK PRIMARY POSITION LIMIT SWITCH (RH) GROUND CIRCUIT

1. Check continuity between rear seatback power return control unit harness connector and primary position limit switch (RH) harness connector.

Rear seatback power return control unit		Primary position limit switch (RH)		Continuity
Connector	Terminal	Connector	Terminal	
B226	23	B505	14	Existed

2. Check continuity between rear seatback power return control unit harness connector and ground.

Rear seatback power return control unit		Ground	Continuity
Connector	Terminal		
B226	23		Not existed

#### Is the inspection result normal?

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

## PRIMARY POSITION LIMIT SWITCH

### < DTC/CIRCUIT DIAGNOSIS >

#### 4.CHECK PRIMARY POSITION LIMIT SWITCH (RH)

Check primary position limit switch (RH).

Refer to [SE-32, "RH : Component Inspection"](#).

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace primary position limit switch (RH) [seat device assembly (RH)]. Refer to [SE-141, "Exploded View"](#).

#### 5.CHECK INTERMITTENT INCIDENT

Refer to [GI-45, "Intermittent Incident"](#).

>> INSPECTION END

### RH : Component Inspection

INFOID:0000000010597803

### COMPONENT INSPECTION

#### 1.CHECK PRIMARY POSITION LIMIT SWITCH (RH)

1. Turn ignition switch OFF.
2. Disconnect primary position limit switch (RH) connector.
3. Check primary position limit switch (RH) terminals.

Primary position limit switch (RH)		Condition	Continuity
Terminal			
14	15	Primary position limit switch (RH) is pressed	Existed
		Primary position limit switch (RH) is released	Not existed

Is the inspection result normal?

YES >> Primary position limit switch (RH) is OK.

NO >> Replace primary position limit switch (RH) [seat device assembly (RH)]. Refer to [SE-141, "Exploded View"](#).



# RETURN COMPLETE LIMIT SWITCH

< DTC/CIRCUIT DIAGNOSIS >

## RETURN COMPLETE LIMIT SWITCH

LH

### LH : Description

INFOID:0000000010597804

Detect the return completion position of rear seatback (LH).

### LH : Component Function Check

INFOID:0000000010597805

## 1.CHECK FUNCTION

Check that the rear seatback (LH) rises when pressing and holding the power return switch (LH) or rear seatback switch (LH) in UP direction.

Is the inspection result normal?

- YES >> Return complete limit switch (LH) is OK.  
NO >> Refer to [SE-33, "LH : Diagnosis Procedure"](#).

### LH : Diagnosis Procedure

INFOID:0000000010597806

## 1.CHECK REAR SEATBACK POWER RETURN CONTROL UNIT INPUT SIGNAL

1. Turn ignition switch OFF.
2. Disconnect rear seatback lock assembly (LH) connector.
3. Check voltage between rear seatback lock assembly (LH) harness connector and ground.

(+)		(-)	Voltage (V) (Approx.)
Rear seatback lock assembly (LH)			
Connector	Terminal		
B513	8	Ground	Battery voltage

### NOTE:

It is not low power consumption mode.

Is the inspection result normal?

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

## 2.CHECK RETURN COMPLETE LIMIT SWITCH (LH) SIGNAL CIRCUIT

1. Disconnect rear seatback power return control unit connector.
2. Check continuity between rear seatback power return control unit harness connector and rear seatback lock assembly (LH) harness connector.

Rear seatback power return control unit		Rear seatback lock assembly (LH)		Continuity
Connector	Terminal	Connector	Terminal	
B226	29	B513	8	Existed

3. Check continuity between rear seatback power return control unit harness connector and ground.

Rear seatback power return control unit		Ground	Continuity
Connector	Terminal		
B226	29		Not existed

Is the inspection result normal?

- YES >> Replace rear seatback power return control unit. Refer to [SE-148, "Removal and Installation"](#).  
NO >> Repair or replace harness.

## 3.CHECK RETURN COMPLETE LIMIT SWITCH (LH) GROUND CIRCUIT

1. Check continuity between rear seatback power return control unit harness connector and rear seatback lock assembly (LH) harness connector.

## RETURN COMPLETE LIMIT SWITCH

### < DTC/CIRCUIT DIAGNOSIS >

Rear seatback power return control unit		Rear seatback lock assembly (LH)		Continuity
Connector	Terminal	Connector	Terminal	
B226	31	B513	9	Existed

2. Check continuity between rear seatback power return control unit harness connector and ground.

Rear seatback power return control unit		Ground	Continuity
Connector	Terminal		
B226	31		Not existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

#### 4.CHECK RETURN COMPLETE LIMIT SWITCH (LH)

Check return complete limit switch (LH).

Refer to [SE-34, "LH : Component Inspection"](#).

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace return complete limit switch (LH) [rear seatback lock assembly (LH)]. Refer to [SE-141, "Exploded View"](#).

#### 5.CHECK INTERMITTENT INCIDENT

Refer to [GI-45, "Intermittent Incident"](#).

>> INSPECTION END

### LH : Component Inspection

INFOID:0000000010597807

#### COMPONENT INSPECTION

##### 1.CHECK RETURN COMPLETE LIMIT SWITCH (LH)

1. Turn ignition switch OFF.
2. Disconnect rear seatback lock assembly (LH) connector.
3. Check rear seatback lock assembly (LH) terminals.

Rear seatback lock assembly (LH)		Condition	Continuity
Terminal			
8	9	Return complete limit switch (LH) is pressed	Existed
		Return complete limit switch (LH) is released	Not existed

Is the inspection result normal?

YES >> Return complete limit switch (LH) is OK.

NO >> Replace return complete limit switch (LH) [rear seatback lock assembly (LH)]. Refer to [SE-141, "Exploded View"](#).

### RH

#### RH : Description

INFOID:0000000010597808

Detect the return completion position of rear seatback (RH).

#### RH : Component Function Check

INFOID:0000000010597809

##### 1.CHECK FUNCTION

Check that the rear seatback (RH) rises when pressing and holding the power return switch (RH) or rear seatback switch (RH) in UP direction.

Is the inspection result normal?

# RETURN COMPLETE LIMIT SWITCH

## < DTC/CIRCUIT DIAGNOSIS >

- YES >> Return complete limit switch (RH) is OK.  
NO >> Refer to [SE-35, "RH : Diagnosis Procedure"](#).

## RH : Diagnosis Procedure

INFOID:000000010597810

### 1. CHECK REAR SEATBACK POWER RETURN CONTROL UNIT INPUT SIGNAL

1. Turn ignition switch OFF.
2. Disconnect rear seatback lock assembly (RH) connector.
3. Check voltage between rear seatback lock assembly (RH) harness connector and ground.

(+)		(-)	Voltage (V) (Approx.)
Rear seatback lock assembly (RH)			
Connector	Terminal		
B506	13	Ground	Battery voltage

#### NOTE:

It is not low power consumption mode.

#### Is the inspection result normal?

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

### 2. CHECK RETURN COMPLETE LIMIT SWITCH (RH) SIGNAL CIRCUIT

1. Disconnect rear seatback power return control unit connector.
2. Check continuity between rear seatback power return control unit harness connector and rear seatback lock assembly (RH) harness connector.

Rear seatback power return control unit		Rear seatback lock assembly (RH)		Continuity
Connector	Terminal	Connector	Terminal	
B226	30	B506	13	Existed

3. Check continuity between rear seatback power return control unit harness connector and ground.

Rear seatback power return control unit		Ground	Continuity
Connector	Terminal		
B226	30		Not existed

#### Is the inspection result normal?

- YES >> Replace rear seatback power return control unit. Refer to [SE-148, "Removal and Installation"](#).  
NO >> Repair or replace harness.

### 3. CHECK RETURN COMPLETE LIMIT SWITCH (RH) GROUND CIRCUIT

1. Check continuity between rear seatback power return control unit harness connector and rear seatback lock assembly (RH) harness connector.

Rear seatback power return control unit		Rear seatback lock assembly (RH)		Continuity
Connector	Terminal	Connector	Terminal	
B226	23	B506	14	Existed

2. Check continuity between rear seatback power return control unit harness connector and ground.

Rear seatback power return control unit		Ground	Continuity
Connector	Terminal		
B226	23		Not existed

#### Is the inspection result normal?

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

## RETURN COMPLETE LIMIT SWITCH

< DTC/CIRCUIT DIAGNOSIS >

### 4.CHECK RETURN COMPLETE LIMIT SWITCH (RH)

Check return complete limit switch (RH).

Refer to [SE-36, "RH : Component Inspection"](#).

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace return complete limit switch (RH) [rear seatback lock assembly (RH)]. Refer to [SE-141, "Exploded View"](#).

### 5.CHECK INTERMITTENT INCIDENT

Refer to [GI-45, "Intermittent Incident"](#).

>> INSPECTION END

RH : Component Inspection

INFOID:0000000010597811

## COMPONENT INSPECTION

### 1.CHECK RETURN COMPLETE LIMIT SWITCH (RH)

1. Turn ignition switch OFF.
2. Disconnect rear seatback lock assembly (RH) connector.
3. Check rear seatback lock assembly (RH) terminals.

Rear seatback lock assembly (RH)		Condition	Continuity
Terminal			
13	14	Return complete limit switch (RH) is pressed	Existed
		Return complete limit switch (RH) is released	Not existed

Is the inspection result normal?

YES >> Return complete limit switch (RH) is OK.

NO >> Replace return complete limit switch (RH) [rear seatback lock assembly (RH)]. Refer to [SE-141, "Exploded View"](#).

# MOTOR SENSOR

< DTC/CIRCUIT DIAGNOSIS >

## MOTOR SENSOR

LH

### LH : Description

INFOID:0000000010597812

Detect the operation condition of power return motor (LH).

### LH : Component Function Check

INFOID:0000000010597813

## 1.CHECK FUNCTION

Check that the rear seatback (LH) rises when pressing and holding the power return switch (LH) or rear seatback switch (LH) in UP direction.

Is the inspection result normal?

YES >> Motor sensor (LH) is OK.

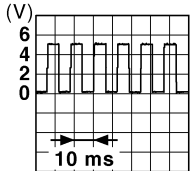
NO >> Refer to [SE-37, "LH : Diagnosis Procedure"](#).

### LH : Diagnosis Procedure

INFOID:0000000010597814

## 1.CHECK MOTOR SENSOR (LH) OUTPUT SIGNAL

1. Turn ignition switch OFF.
2. Check voltage between rear seatback power return control unit harness connector and ground.

(+)Rear seatback power return control unit		(-)	Condition	Voltage (V) (Approx.)
Connector	Terminal			
B227	10	Ground	During the power return motor (LH) operation	
			When pinching between LH/RH seats occurs	The above pulse width should be expanded

Is the inspection result normal?

YES >> GO TO 7.

NO >> GO TO 2.

## 2.CHECK MOTOR SENSOR (LH) SIGNAL CIRCUIT

1. Disconnect power return motor assembly (LH) connector and rear seatback power return control unit connector.
2. Check continuity between power return motor assembly (LH) harness connector and rear seatback power return control unit harness connector.

Rear seatback power return control unit		Power return motor assembly (LH)		Continuity
Connector	Terminal	Connector	Terminal	
B227	10	B511	4	Existed

3. Check continuity between power return motor assembly (LH) harness connector and ground.

Rear seatback power return control unit		Ground	Continuity
Connector	Terminal		
B227	10		Not existed

Is the inspection result normal?

## MOTOR SENSOR

### < DTC/CIRCUIT DIAGNOSIS >

- YES >> GO TO 3.  
NO >> Repair or replace harness.

#### 3.CHECK MOTOR SENSOR (LH) POWER SUPPLY

1. Connect rear seatback power return control unit connector.
2. Check voltage between power return motor assembly (LH) harness connector and ground.

(+)		(-)	Condition	Voltage (V) (Approx.)
Power return motor assembly (LH)				
Connector	Terminal			
B511	3	Ground	When the power return switch is operated	Battery voltage

#### Is the inspection result normal?

- YES >> GO TO 5.  
NO >> GO TO 4.

#### 4.CHECK MOTOR SENSOR (LH) POWER SUPPLY CIRCUIT

1. Disconnect rear seatback power return control unit connector.
2. Check continuity between rear seatback power return control unit harness connector and power return motor assembly (LH) harness connector.

Rear seatback power return control unit		Power return motor assembly (LH)		Continuity
Connector	Terminal	Connector	Terminal	
B227	11	B511	3	Existed

3. Check continuity between rear seatback power return control unit harness connector and ground.

Rear seatback power return control unit		Ground	Continuity
Connector	Terminal		
B227	11		Not existed

#### Is the inspection result normal?

- YES >> Replace rear seatback power return control unit. Refer to [SE-148, "Removal and Installation"](#).  
NO >> Repair or replace harness.

#### 5.CHECK MOTOR SENSOR (LH) GROUND CIRCUIT 1

1. Disconnect rear seatback power return control unit connector.
2. Check continuity between power return motor assembly harness connector and ground.

Rear seatback power return control unit		Power return motor assembly (LH)		Continuity
Connector	Terminal	Connector	Terminal	
B227	9	B511	5	Existed

#### Is the inspection result normal?

- YES >> GO TO 6.  
NO >> Repair or replace harness.

#### 6.CHECK MOTOR SENSOR (LH) GROUND CIRCUIT 2

1. Connect rear seatback power return control unit connector.
2. Check continuity between rear seatback power return control unit harness connector and ground.

Rear seatback power return control unit		Ground	Continuity
Connector	Terminal		
B227	9		Existed

#### Is the inspection result normal?

- YES >> Replace motor sensor (LH) [seat device assembly (LH)]. Refer to [SE-141, "Exploded View"](#).  
NO >> Replace rear seatback power return control unit. Refer to [SE-148, "Removal and Installation"](#).

# MOTOR SENSOR

## < DTC/CIRCUIT DIAGNOSIS >

### 7.CHECK INTERMITTENT INCIDENT

Refer to [GI-45, "Intermittent Incident"](#).

>> INSPECTION END

RH

#### RH : Description

INFOID:0000000010597815

Detect the operation condition of power return motor (RH).

#### RH : Component Function Check

INFOID:0000000010597816

### 1.CHECK FUNCTION

Check that the rear seatback (RH) rises when pressing and holding the power return switch (RH) or rear seatback switch (RH) in UP direction.

Is the inspection result normal?

YES >> Motor sensor (RH) is OK.

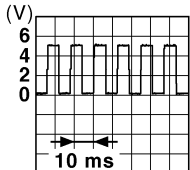
NO >> Refer to [SE-39, "RH : Diagnosis Procedure"](#).

#### RH : Diagnosis Procedure

INFOID:0000000010597817

### 1.CHECK MOTOR SENSOR (RH) OUTPUT SIGNAL

1. Turn ignition switch OFF.
2. Check voltage between rear seatback power return control unit harness connector and ground.

(+)Rear seatback power return control unit		(-)	Condition	Voltage (V) (Approx.)
Connector	Terminal			
B227	2	Ground	During the power return motor (RH) operation	
			When pinching between LH/RH seats occurs	The above pulse width should be expanded

Is the inspection result normal?

YES >> GO TO 7.

NO >> GO TO 2.

### 2.CHECK MOTOR SENSOR (RH) SIGNAL CIRCUIT

1. Disconnect power return motor assembly (RH) connector and rear seatback power return control unit connector.
2. Check continuity between power return motor assembly (RH) harness connector and rear seatback power return control unit harness connector.

Rear seatback power return control unit		Power return motor assembly (RH)		Continuity
Connector	Terminal	Connector	Terminal	
B227	2	B504	18	Existed

3. Check continuity between power return motor assembly (RH) harness connector and ground.

## MOTOR SENSOR

### < DTC/CIRCUIT DIAGNOSIS >

Rear seatback power return control unit		Ground	Continuity
Connector	Terminal		
B227	2		Not existed

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace harness.

### 3.CHECK MOTOR SENSOR (RH) POWER SUPPLY

1. Connect rear seatback power return control unit connector.
2. Check voltage power return motor assembly (RH) harness connector and ground.

(+) Power return motor assembly (RH)		(-)	Condition	Voltage (V) (Approx.)
Connector	Terminal			
B504	17	Ground	When the power return switch is operated	Battery voltage

Is the inspection result normal?

YES >> GO TO 5.

NO >> GO TO 4.

### 4.CHECK MOTOR SENSOR (RH) POWER SUPPLY CIRCUIT

1. Disconnect rear seatback power return control unit connector.
2. Check continuity between rear seatback power return control unit harness connector and power return motor assembly (RH) harness connector.

Rear seatback power return control unit		Power return motor assembly (RH)		Continuity
Connector	Terminal	Connector	Terminal	
B227	3	B504	17	Existed

3. Check continuity between rear seatback power return control unit harness connector and ground.

Rear seatback power return control unit		Ground	Continuity
Connector	Terminal		
B227	3		Not existed

Is the inspection result normal?

YES >> Replace rear seatback power return control unit. Refer to [SE-148. "Removal and Installation"](#).

NO >> Repair or replace harness.

### 5.CHECK MOTOR SENSOR (RH) GROUND CIRCUIT 1

1. Disconnect rear seatback power return control unit connector.
2. Check continuity between power return motor assembly harness connector and power return motor assembly (RH) harness connector.

Rear seatback power return control unit		Power return motor assembly (RH)		Continuity
Connector	Terminal	Connector	Terminal	
B227	1	B504	19	Existed

Is the inspection result normal?

YES >> GO TO 6.

NO >> Repair or replace harness.

### 6.CHECK MOTOR SENSOR (LH) GROUND CIRCUIT 2

1. Connect rear seatback power return control unit connector.
2. Check continuity between rear seatback power return control unit harness connector and ground.



## MOTOR SENSOR

### < DTC/CIRCUIT DIAGNOSIS >

Rear seatback power return control unit		Ground	Continuity
Connector	Terminal		
B227	1		Existed

Is the inspection result normal?

YES >> Replace motor sensor (RH) [seat device assembly (RH)]. Refer to [SE-141, "Exploded View"](#).

NO >> Replace rear seatback power return control unit. Refer to [SE-148, "Removal and Installation"](#).

### 7. CHECK INTERMITTENT INCIDENT

Refer to [GI-45, "Intermittent Incident"](#).

>> INSPECTION END

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

SE

# POWER RETURN MOTOR

< DTC/CIRCUIT DIAGNOSIS >

## POWER RETURN MOTOR

LH

### LH : Description

INFOID:0000000010597818

Operate the rear seatback.

### LH : Component Function Check

INFOID:0000000010597819

#### 1.CHECK FUNCTION

Check that the rear seatback (LH) rises when pressing and holding the power return switch (LH) or rear seatback switch (LH) in UP direction.

Is the inspection result normal?

- YES >> Power return motor (LH) is OK.  
NO >> Refer to [SE-42, "LH : Diagnosis Procedure"](#).

### LH : Diagnosis Procedure

INFOID:0000000010597820

#### 1.CHECK POWER RETURN MOTOR (LH) INPUT SIGNAL

1. Turn ignition switch OFF.
2. Check voltage between power return motor assembly (LH) harness connector and ground.

(+) Power return motor assembly (LH)		(-)	Condition	Voltage (V) (Approx.)
Connector	Terminal			
B511	1	Ground	During the power return motor (LH) reverse operation	Battery voltage
			Other than the above	0
	2		During the power return motor (LH) return operation	Battery voltage
			Other than the above	0

Is the inspection result normal?

- YES >> Replace power return motor assembly (LH) [seat device assembly (LH)]. Refer to [SE-141, "Exploded View"](#).  
NO >> GO TO 2.

#### 2.CHECK POWER RETURN MOTOR (LH) CIRCUIT

1. Disconnect rear seatback power return control unit connector and power return motor assembly (LH) connector.
2. Check continuity between rear seatback power return control unit harness connector and power return motor assembly (LH) harness connector.

Rear seatback power return control unit		Power return motor assembly (LH)		Continuity
Connector	Terminal	Connector	Terminal	
B227	5	B511	1	Existed
	6		2	

3. Check continuity between rear seatback power return control unit harness connector and ground.

Rear seatback power return control unit		Ground	Continuity
Connector	Terminal		
B227	5		Not existed
	6		

Is the inspection result normal?

# POWER RETURN MOTOR

## < DTC/CIRCUIT DIAGNOSIS >

- YES >> Replace rear seatback power return control unit. Refer to [SE-148, "Removal and Installation"](#).  
NO >> Repair or replace harness.

RH

### RH : Description

INFOID:0000000010597821

Operate the rear seatback.

### RH : Component Function Check

INFOID:0000000010597822

## 1.CHECK FUNCTION

Check that the rear seatback (RH) rises when pressing and holding the power return switch (RH) or rear seatback switch (RH) in UP direction.

Is the inspection result normal?

- YES >> Power return motor (RH) is OK.  
NO >> Refer to [SE-43, "RH : Diagnosis Procedure"](#).

### RH : Diagnosis Procedure

INFOID:0000000010597823

## 1.CHECK POWER RETURN MOTOR (RH) INPUT SIGNAL

1. Turn ignition switch OFF.
2. Check voltage between power return motor assembly (RH) harness connector and ground.

(+)		(−)	Condition	Voltage (V) (Approx.)
Power return motor assembly (RH)				
Connector	Terminal			
B504	20	Ground	During the power return motor (RH) reverse operation	Battery voltage
			Other than the above	0
	21		During the power return motor (RH) return operation	Battery voltage
			Other than the above	0

Is the inspection result normal?

- YES >> Replace power return motor assembly (RH) [seat device assembly (RH)]. Refer to [SE-141, "Exploded View"](#).  
NO >> GO TO 2.

## 2.CHECK POWER RETURN MOTOR (RH) CIRCUIT

1. Disconnect rear seatback power return control unit connector and power return motor assembly (RH) connector.
2. Check continuity between rear seatback power return control unit harness connector and power return motor assembly (RH) harness connector.

Rear seatback power return control unit		Power return motor assembly (RH)		Continuity
Connector	Terminal	Connector	Terminal	
B227	7	B504	20	Existed
	8		21	

3. Check continuity between rear seatback power return control unit harness connector and ground.

Rear seatback power return control unit		Ground	Continuity
Connector	Terminal		
B227	7		Not existed
	8		

Is the inspection result normal?

## POWER RETURN MOTOR

### < DTC/CIRCUIT DIAGNOSIS >

---

- YES >> Replace rear seatback power return control unit. Refer to [SE-148. "Removal and Installation"](#).
- NO >> Repair or replace harness.

# VEHICLE SPEED SIGNAL CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

## VEHICLE SPEED SIGNAL CIRCUIT

### Description

INFOID:0000000010597824

Transmits vehicle speed signal to rear seatback power return control unit.

### Component Function Check

INFOID:0000000010597825

#### 1.CHECK FUNCTION

Check that the rear seatback rises when pressing and holding the power return switch or rear seatback switch in UP direction.

Is the inspection result normal?

- YES >> Vehicle speed signal circuit is OK.  
NO >> Refer to [SE-45, "Diagnosis Procedure"](#).

### Diagnosis Procedure

INFOID:0000000010597826

#### 1.CHECK VEHICLE SPEED OPERATION

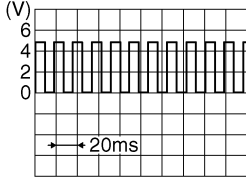
1. Check speed meter operate normally.

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Refer to [MWI-4, "Work flow"](#).

#### 2.CHECK VEHICLE SPEED INPUT SIGNAL

Check voltage between rear seatback power return control unit harness connector and ground.

(+)		(-)	Condition	Voltage (V) (Approx.)
Rear seatback power return control unit Connector	Terminal			
B226	24	Ground	When vehicle speed is approx.40 km/h (25MPH)	<b>NOTE:</b> Maximum voltage may be 12V due to specifications (connected units)  SKIA6649J

Is the inspection result normal?

- YES >> GO TO 3.  
NO >> Refer to [MWI-4, "Work flow"](#).

#### 3.CHECK VEHICLE SPEED SIGNAL CIRCUIT

- Turn ignition switch OFF.
- Disconnect rear seatback power return control unit connector and unified meter and A/C amp. connector.
- Check continuity between power return control unit harness connector and unified meter and A/C amp. harness connector.

Rear seatback power return control unit		Unified meter and A/C amp.		Continuity
Connector	Terminal	Connector	Terminal	
B226	24	M66	28	Existed

- Check continuity between rear seatback power return control unit harness connector and ground.

## VEHICLE SPEED SIGNAL CIRCUIT

### < DTC/CIRCUIT DIAGNOSIS >

Rear seatback power return control unit		Ground	Continuity
Connector	Terminal		
B226	24		Not existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

### 4.CHECK INTERMITTENT INCIDENT

Refer to [GI-45. "Intermittent Incident"](#).

>> INSPECTION END

# HEATED SEAT SWITCH

< DTC/CIRCUIT DIAGNOSIS >

## HEATED SEAT SWITCH DRIVER SIDE

### DRIVER SIDE : Description

INFOID:0000000010597827

Adjusts heated seat temperature and deactivates heated seat.

### DRIVER SIDE : Component Function Check

INFOID:0000000010597828

#### 1.CHECK HEATED SEAT SWITCH FUNCTION

Check that heated seat warms to preset temperature when operating heated seat switch to the optimal position.

Is the inspection result normal?

YES >> Heated seat switch function is OK.

NO >> Refer to [SE-47, "DRIVER SIDE : Diagnosis Procedure"](#).

### DRIVER SIDE : Diagnosis Procedure

INFOID:0000000010597829

#### 1.CHECK HEATED SEAT CONTROL UNIT INPUT SIGNAL

1. Turn ignition switch OFF.
2. Disconnect heated seat control unit connector.
3. Turn ignition switch ON.
4. Check voltage between heated seat control unit harness connector and ground.

(+)Heated seat control unit		(-)	Condition	Voltage (V) (Approx.)
Connector	Terminal			
B439	67	Ground	Heated seat switch position	OFF
				1 (Min. temperature)
				2
				3
				4
				5
				6 (Max. temperature)
				0
				12.24
				12.33
				12.49
				12.63
				12.76
				12.90

Is the inspection result normal?

YES >> Heated seat switch circuit is OK.

NO >> GO TO 2.

#### 2.CHECK HEATED SEAT SWITCH CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect heated seat switch connector.
3. Check continuity between heated seat switch harness connector and heated seat control unit harness connector.

Heated seat switch		Heated seat control unit		Continuity
Connector	Terminal	Connector	Terminal	
M177	2	B439	67	Existed

4. Check continuity between heated seat switch harness connector and ground.

Heated seat switch		Ground	Continuity
Connector	Terminal		
M177	2		Not existed

Is the inspection result normal?

## HEATED SEAT SWITCH

### < DTC/CIRCUIT DIAGNOSIS >

- YES >> GO TO 3.  
NO >> Repair or replace harness.

### 3.CHECK HEATED SEAT SWITCH

Check heated seat switch.

Refer to [SE-48, "DRIVER SIDE : Component Inspection"](#).

Is the inspection result normal?

- YES >> GO TO 4.  
NO >> Replace heated seat switch. Refer to [SE-152, "Removal and Installation"](#).

### 4.CHECK INTERMITTENT INCIDENT

Check intermittent incident.

Refer to [GI-45, "Intermittent Incident"](#).

>> INSPECTION END

## DRIVER SIDE : Component Inspection

INFOID:0000000010597830

### 1.CHECK FRONT HEATED SEAT SWITCH

1. Turn ignition OFF.
2. Disconnect heated seat switch connector.
3. Check resistance between heated seat switch terminals as follows.

Heated seat switch		Condition		Resistance (KΩ) (Approx.)
Terminal				
5	1	Heated seat switch position	ON	0
	2		OFF	∞
			1 (Min. temperature)	2.400
			2	1.800
			3	1.200
			4	0.910
			5	0.620
			6 (Max. temperature)	0.348

Is the inspection result normal?

- YES >> INSPECTION END  
NO >> Replace heated seat switch. Refer to [SE-152, "Removal and Installation"](#).

## PASSENGER SIDE

### PASSENGER SIDE : Description

INFOID:0000000010597831

Adjusts heated seat temperature and deactivates heated seat.

### PASSENGER SIDE : Component Function Check

INFOID:0000000010597832

### 1.CHECK HEATED SEAT SWITCH FUNCTION

Check that heated seat warms to preset temperature when operating heated seat switch to the optimal position.

Is the inspection result normal?

- YES >> Heated seat switch function is OK.  
NO >> Refer to [SE-48, "PASSENGER SIDE : Diagnosis Procedure"](#).

## PASSENGER SIDE : Diagnosis Procedure

INFOID:0000000010597833

### 1.CHECK HEATED SEAT CONTROL UNIT INPUT SIGNAL



## HEATED SEAT SWITCH

### < DTC/CIRCUIT DIAGNOSIS >

1. Turn ignition switch OFF.
2. Disconnect heated seat control unit connector.
3. Turn ignition switch ON.
4. Check voltage between heated seat control unit harness connector and ground.

(+)		(-)	Condition		Voltage (V) (Approx.)
Heated seat control unit					
Connector	Terminal				
B462	67	Ground	Heated seat switch position	OFF	0
				1 (Min. temperature)	12.24
				2	12.33
				3	12.49
				4	12.63
				5	12.76
				6 (Max. temperature)	12.90

Is the inspection result normal?

YES >> Heated seat switch circuit is OK.

NO >> GO TO 2.

### 2.CHECK HEATED SEAT SWITCH CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect heated seat switch connector.
3. Check continuity between heated seat switch harness connector and heated seat control unit harness connector.

Heated seat switch		Heated seat control unit		Continuity
Connector	Terminal	Connector	Terminal	
M178	2	B462	67	Existed

4. Check continuity between heated seat switch harness connector and ground.

Heated seat switch		Ground	Continuity
Connector	Terminal		
M178	2		Not existed

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace harness.

### 3.CHECK HEATED SEAT SWITCH

Check heated seat switch.

Refer to [SE-49. "PASSENGER SIDE : Component Inspection"](#).

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace heated seat switch. Refer to [SE-152. "Removal and Installation"](#).

### 4.CHECK INTERMITTENT INCIDENT

Check intermittent incident.

Refer to [GI-45. "Intermittent Incident"](#).

>> INSPECTION END

## PASSENGER SIDE : Component Inspection

INFOID:0000000010597834

### 1.CHECK FRONT HEATED SEAT SWITCH

## HEATED SEAT SWITCH

### < DTC/CIRCUIT DIAGNOSIS >

1. Turn ignition OFF.
2. Disconnect heated seat switch connector.
3. Check resistance between heated seat switch terminals as follows.

Heated seat switch		Condition		Resistance (KΩ) (Approx.)
Terminal				
5	1	Heated seat switch position	ON	0
	2		OFF	∞
			1 (Min. temperature)	2.400
			2	1.800
			3	1.200
			4	0.910
			5	0.620
			6 (Max. temperature)	0.348

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace heated seat switch. Refer to [SE-152, "Removal and Installation"](#).

# HEATED SEAT RELAY

< DTC/CIRCUIT DIAGNOSIS >

## HEATED SEAT RELAY

### Description

INFOID:0000000010597835

Power is supplied to the heated seat using ignition power supply control.

### Component Function Check

INFOID:0000000010597836

#### 1.CHECK HEATED SEAT RELAY FUNCTION

Check that heated seat warms to preset temperature when operating heated seat switch to the optimal position.

Is the inspection result normal?

- YES >> Heated seat relay function is OK.  
NO >> Refer to [SE-51. "Diagnosis Procedure"](#)

### Diagnosis Procedure

INFOID:0000000010597837

#### 1.CHECK HEATED SEAT RELAY POWER SUPPLY

1. Turn ignition switch OFF.
2. Disconnect heated seat relay.
3. Turn ignition switch ON.
4. Check voltage between heated seat relay terminal connector and ground.

(+)		(-)	Voltage (V) (Approx.)
Heated seat relay			
Connector	Terminal		
M70	2	Ground	Battery voltage

Is the inspection result normal?

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

#### 2.CHECK HEATED SEAT RELAY POWER SUPPLY CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect fuse block (J/B) connector.
3. Check continuity between heated seat relay terminal connector and fuse block (J/B) harness connector.

Heated seat relay		Fuse block (J/B)		Continuity
Connector	Terminal	Connector	Terminal	
M70	2	M1	2A	Existed

4. Check continuity between heated seat relay terminal connector and ground.

Heated seat relay		Ground	Continuity
Connector	Terminal		
M70	2		Not existed

Is the inspection result normal?

- YES >> GO TO 5.  
NO >> Repair or replace harness.

#### 3.CHECK HEATED SEAT RELAY GROUND CIRCUIT

1. Turn ignition switch OFF.
2. Check continuity between heated seat relay terminal connector and ground.

## HEATED SEAT RELAY

### < DTC/CIRCUIT DIAGNOSIS >

Heated seat relay		Ground	Continuity
Connector	Terminal		Existed
M70	1		

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

#### 4.CHECK HEATED SEAT RELAY

Check heated seat relay.

Refer to [SE-52, "Component Inspection"](#).

Is the inspection result normal?

YES >> Heated seat relay is OK.

NO >> Replace heated seat relay.

#### 5.CHECK INTERMITTENT INCIDENT

Check intermittent incident.

Refer to [GI-45, "Intermittent Incident"](#).

>> INSPECTION END

### Component Inspection

INFOID:0000000010597838

#### 1.CHECK HEATED SEAT RELAY

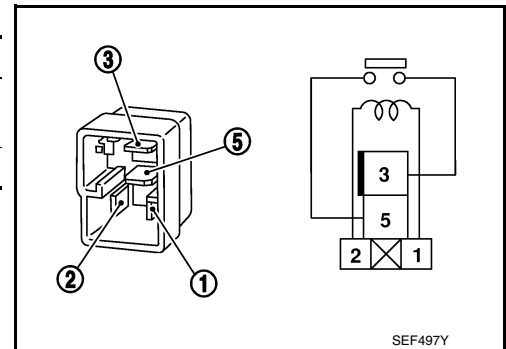
1. Turn ignition switch OFF.
2. Disconnect heated seat relay.
3. Check continuity between heated seat relay terminals.

Terminal		Condition	Continuity
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 heated seat relay.



# HEAT SENSOR

< DTC/CIRCUIT DIAGNOSIS >

## HEAT SENSOR

### DRIVER SIDE

#### DRIVER SIDE : Description

INFOID:0000000010597839

Detects seat cushion heater temperature and outputs to heated seat control unit.

#### DRIVER SIDE : Component Function Check

INFOID:0000000010597840

### 1.CHECK FUNCTION

Check that heated seat warms to preset temperature when operating heated seat switch to the optimal position.

Is the inspection result normal?

- YES >> Heat sensor function is OK.  
NO >> Refer to [SE-51. "Diagnosis Procedure"](#)

#### DRIVER SIDE : Diagnosis Procedure

INFOID:0000000010597841

### 1.CHECK HEAT SENSOR INPUT SIGNAL

- Turn ignition switch ON.
- Check voltage between heated seat control unit harness connector and ground.

(+)Heated seat control unit		(-)	Condition	Voltage (V) (Approx.)
Connector	Terminal			
B439	69	Ground	OFF	0
			1 (Min. temperature)	10.87 – 11.02
			2	10.93 – 11.07
			3	11.04 – 11.17
			4	11.13 – 11.26
			5	11.22 – 11.34
			6 (Max. temperature)	11.31 – 11.43

#### NOTE:

Voltage is repeated within the value shown as per the following list depending on heater unit temperature.

Is the inspection result normal?

- YES >> Heat sensor function is OK.  
NO >> GO TO 2.

### 2.CHECK HEAT SENSOR CIRCUIT

- Turn ignition switch OFF.
- Disconnect heated seat control unit connector and seat cushion heater connector.
- Check continuity between heated seat control unit harness connector and seat cushion heater harness connector.

Heated seat control unit		Seat cushion heater		Continuity
Connector	Terminal	Connector	Terminal	
B439	69	B440	69	Existed

- Check continuity between heated seat control unit harness connector and ground.

Heated seat control unit		Ground	Continuity
Connector	Terminal		
B439	69		Not existed

Is the inspection result normal?

# HEAT SENSOR

## < DTC/CIRCUIT DIAGNOSIS >

- YES >> GO TO 3.  
NO >> Repair or replace harness.

### 3.CHECK HEAT SENSOR POWER SUPPLY

1. Turn ignition switch ON.
2. Check voltage between seat cushion heater harness connector and ground.

(+)		(-)	Voltage (V) (Approx.)
Seat cushion heater			
Connector	Terminal		
B440	66	Ground	Battery voltage

#### Is the inspection result normal?

- YES >> GO TO 5.  
NO >> GO TO 4.

### 4.CHECK HEAT SENSOR POWER SUPPLY CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect heated seat switch connector.
3. Check continuity between heated seat control unit harness connector and seat cushion heater harness connector.

Heated seat switch		Seat cushion heater		Continuity
Connector	Terminal	Connector	Terminal	
M177	1	B440	66	Existed

4. Check continuity between heated seat control unit harness connector and ground.

Heated seat switch		Ground	Continuity
Connector	Terminal		
M177	1		Not existed

#### Is the inspection result normal?

- YES >> GO TO 6.  
NO >> Repair or replace harness.

### 5.CHECK HEAT SENSOR

Check heat sensor. Refer to [SE-54, "DRIVER SIDE : Component Inspection"](#).

#### Is the inspection result normal?

- YES >> GO TO 6.  
NO >> Replace seat cushion heater. Refer to [SE-129, "Exploded View"](#).

### 6.CHECK INTERMITTENT INCIDENT

Check intermittent incident.  
Refer to [GI-45, "Intermittent Incident"](#).

>> INSPECTION END

## DRIVER SIDE : Component Inspection

INFOID:0000000010597842

### 1.CHECK HEAT SENSOR

1. Turn ignition switch OFF.
2. Disconnect seat cushion heater connector.
3. Check resistance between seat cushion heater terminals as follows.

# HEAT SENSOR

## < DTC/CIRCUIT DIAGNOSIS >

Seat cushion heater		Condition	Resistance (KΩ) (Approx.)
Terminal			
66	69	When heat sensor temperature is 25°C (77°F)	9.9 – 10.1

### NOTE:

Resistance value changes according to temperature.

### Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace seat cushion heater. Refer to [SE-129, "Exploded View"](#).

## PASSENGER SIDE

### PASSENGER SIDE : Description

INFOID:0000000010597843

Detects seat cushion heater temperature and outputs to heated seat control unit.

### PASSENGER SIDE : Component Function Check

INFOID:0000000010597844

## 1.CHECK HEATER SENSOR FUNCTION

Check that heated seat warms to preset temperature when operating heated seat switch to the optimal position.

### Is the inspection result normal?

YES >> Heat sensor function is OK.

NO >> Refer to [SE-51, "Diagnosis Procedure"](#)

### PASSENGER SIDE : Diagnosis Procedure

INFOID:0000000010597845

## 1.CHECK HEAT SENSOR INPUT SIGNAL

1. Turn ignition switch ON.
2. Check voltage between heated seat control unit harness connector and ground.

(+)Heated seat control unit		(-)	Condition	Voltage (V) (Approx.)
Connector	Terminal			
B462	69	Ground	OFF	0
			1 (Min. temperature)	10.87 – 11.02
			2	10.93 – 11.07
			3	11.04 – 11.17
			4	11.13 – 11.26
			5	11.22 – 11.34
			6 (Max. temperature)	11.31 – 11.43

### NOTE:

Voltage is repeated within the value shown as per the following list depending on heater unit temperature.

### Is the inspection result normal?

YES >> heat sensor function is OK.

NO >> GO TO 2.

## 2.CHECK HEAT SENSOR CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect heated seat control unit connector and seat cushion heater connector.
3. Check continuity between heated seat control unit harness connector and seat cushion heater harness connector.

# HEAT SENSOR

## < DTC/CIRCUIT DIAGNOSIS >

Heated seat control unit		Seat cushion heater		Continuity
Connector	Terminal	Connector	Terminal	
B462	69	B463	69	Existed

4. Check continuity between heated seat control unit harness connector and ground.

Heated seat control unit		Ground	Continuity
Connector	Terminal		
B462	69		Not existed

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace harness.

### 3.CHECK HEAT SENSOR POWER SUPPLY

1. Turn ignition switch ON.
2. Check voltage between seat cushion heater harness connector and ground.

(+)		(-)	Voltage (V) (Approx.)
Seat cushion heater			
Connector	Terminal		
B463	66	Ground	Battery voltage

Is the inspection result normal?

YES >> GO TO 5.

NO >> GO TO 4.

### 4.CHECK HEAT SENSOR POWER SUPPLY CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect heated seat switch connector.
3. Check continuity between heated seat control unit harness connector and seat cushion heater harness connector.

Heated seat switch		Seat cushion heater		Continuity
Connector	Terminal	Connector	Terminal	
M178	1	B463	66	Existed

4. Check continuity between heated seat control unit harness connector and ground.

Heated seat switch		Ground	Continuity
Connector	Terminal		
M178	1		Not existed

Is the inspection result normal?

YES >> GO TO 6.

NO >> Repair or replace harness.

### 5.CHECK HEAT SENSOR

Check heat sensor. Refer to [SE-57, "PASSENGER SIDE : Component Inspection"](#).

Is the inspection result normal?

YES >> GO TO 6.

NO >> Replace seat cushion heater. Refer to [SE-129, "Exploded View"](#).

### 6.CHECK INTERMITTENT INCIDENT

Check intermittent incident.

Refer to [GI-45, "Intermittent Incident"](#).



# HEAT SENSOR

< DTC/CIRCUIT DIAGNOSIS >

>> INSPECTION END

## PASSENGER SIDE : Component Inspection

INFOID:0000000010597846

### 1.CHECK HEAT SENSOR

1. Turn ignition switch OFF.
2. Disconnect seat cushion heater connector.
3. Check resistance between seat cushion heater terminals as follows.

Seat cushion heater		Condition	Resistance (KΩ) (Approx.)
Terminal			
66	69	When heat sensor temperature is 25°C (77°F)	9.9 – 10.1

**NOTE:**

Resistance value changes according to temperature.

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace seat cushion heater. Refer to [SE-129. "Exploded View"](#).

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

SE

# SEAT CUSHION HEATER

< DTC/CIRCUIT DIAGNOSIS >

## SEAT CUSHION HEATER DRIVER SIDE

### DRIVER SIDE : Description

INFOID:0000000010597847

Warms the seat cushion.

### DRIVER SIDE : Component Function Check

INFOID:0000000010597848

#### 1.CHECK SEAT CUSHION HEATER FUNCTION

Check that heated seat warms to preset temperature when operating heated seat switch to the optimal position.

Is the inspection result normal?

YES >> Seat cushion heater function is OK.

NO >> Refer to [SE-58, "DRIVER SIDE : Diagnosis Procedure"](#).

### DRIVER SIDE : Diagnosis Procedure

INFOID:0000000010597849

#### 1.CHECK SEAT CUSHION HEATER INPUT SIGNAL

1. Turn ignition switch OFF.
2. Disconnect seat cushion heater connector.
3. Turn ignition switch ON.
4. Check voltage between seat cushion heater harness connector and ground.

(+)		(-)	Condition		Voltage (V) (Approx.)
Seat cushion heater					
Connector	Terminal				
B440	68	Ground	Heated seat	Operated	0 – Battery voltage
				Other than the above	0

#### NOTE:

Voltage is repeated within the value shown as per the following list depending on heater unit temperature.

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

#### 2.CHECK SEAT CUSHION HEATER CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect heated seat control unit connector.
3. Check continuity between seat cushion heater harness connector and heated seat control unit harness connector.

Seat cushion heater		Heated seat control unit		Continuity
Connector	Terminal	Connector	Terminal	
B440	68	B439	68	Existed

4. Check continuity between seat cushion heater harness connector and ground.

Seat cushion heater		Ground	Continuity
Connector	Terminal		
B440	68		Not existed

Is the inspection result normal?

YES >> Replace heated seat control unit. Refer to [SE-149, "Removal and Installation"](#).

NO >> Repair or replace harness.

#### 3.CHECK SEAT CUSHION HEATER

# SEAT CUSHION HEATER

## < DTC/CIRCUIT DIAGNOSIS >

Check seat cushion heater.

Refer to [SE-59, "DRIVER SIDE : Component Inspection"](#).

Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace seat cushion heater. Refer to [SE-129, "Exploded View"](#).

### 4.CHECK SEAT CUSHION HEATER GROUND CIRCUIT

Check continuity between seat cushion heater harness connector and ground.

Seat cushion heater		Ground	Continuity
Connector	Terminal		
B440	59		Existed

Is the inspection result normal?

YES >> GO TO 5.

NO >> Repair or replace harness.

### 5.CHECK INTERMITTENT INCIDENT

Check intermittent incident.

Refer to [GI-45, "Intermittent Incident"](#).

>> INSPECTION END

## DRIVER SIDE : Component Inspection

INFOID:0000000010597850

### 1.CHECK SEAT CUSHION HEATER

1. Turn ignition switch OFF.
2. Disconnect seat cushion heater connector and seatback heater connector.
3. Check resistance between seat cushion heater terminals as follows.

Seat cushion heater		Condition	Resistance (Ω) (Approx.)
Terminal			
59	68	When heat sensor temperature is 20°C (68°F)	2.6 – 3.0

#### NOTE:

Resistance value changes according to temperature.

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace seat cushion heater. Refer to [SE-129, "Exploded View"](#).

## PASSENGER SIDE

### PASSENGER SIDE : Description

INFOID:0000000010597851

Warms the seat cushion.

### PASSENGER SIDE : Component Function Check

INFOID:0000000010597852

### 1.CHECK SEAT CUSHION HEATER FUNCTION

Check that heated seat warms to preset temperature when operating heated seat switch to the optimal position.

Is the inspection result normal?

YES >> Seat cushion heater function is OK.

NO >> Refer to [SE-59, "PASSENGER SIDE : Diagnosis Procedure"](#).

### PASSENGER SIDE : Diagnosis Procedure

INFOID:0000000010597853

### 1.CHECK FRONT SEAT CUSHION HEATER INPUT SIGNAL

# SEAT CUSHION HEATER

## < DTC/CIRCUIT DIAGNOSIS >

1. Turn ignition switch OFF.
2. Disconnect seat cushion heater connector.
3. Turn ignition switch ON.
4. Check voltage between seat cushion heater harness connector and ground.

(+) Seat cushion heater		(-)	Condition		Voltage (V) (Approx.)
Connector	Terminal				
B463	68	Ground	Heated seat	Operated	0 – Battery voltage
				Other than the above	0

### NOTE:

Voltage is repeated within the value shown as per the following list depending on heater unit temperature.

### Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

## 2.CHECK SEAT CUSHION HEATER CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect heated seat control unit connector.
3. Check continuity between seat cushion heater harness connector and heated seat control unit harness connector.

Seat cushion heater		Heated seat control unit		Continuity
Connector	Terminal	Connector	Terminal	
B463	68	B462	68	Existed

4. Check continuity between seat cushion heater harness connector and ground.

Seat cushion heater		Ground	Continuity
Connector	Terminal		
B463	68		Not existed

### Is the inspection result normal?

YES >> Replace heated seat control unit. Refer to [SE-149. "Removal and Installation"](#).

NO >> Repair or replace harness.

## 3.CHECK SEAT CUSHION HEATER

Check seat cushion heater.

Refer to [SE-61. "PASSENGER SIDE : Component Inspection"](#).

### Is the inspection result normal?

YES >> GO TO 4.

NO >> Replace seat cushion heater. Refer to [SE-129. "Exploded View"](#).

## 4.CHECK SEAT CUSHION HEATER GROUND CIRCUIT

1. Turn ignition switch OFF.
2. Check continuity between seat cushion heater harness connector and ground.

Seat cushion heater		Ground	Continuity
Connector	Terminal		
B463	59		Existed

### Is the inspection result normal?

YES >> GO TO 5.

NO >> Repair or replace harness.

## 5.CHECK INTERMITTENT INCIDENT

Check intermittent incident.

# SEAT CUSHION HEATER

< DTC/CIRCUIT DIAGNOSIS >

Refer to [GI-45. "Intermittent Incident"](#).

>> INSPECTION END

## PASSENGER SIDE : Component Inspection

INFOID:0000000010597854

### 1. CHECK SEAT CUSHION HEATER

1. Turn ignition switch OFF.
2. Disconnect seat cushion heater connector and seatback heater connector.
3. Check resistance between seat cushion heater terminals as follows.

Seat cushion heater		Condition	Resistance (Ω) (Approx.)
Terminal			
59	68	When heat sensor temperature is 20°C (68°F)	2.6 – 3.0

**NOTE:**

Resistance value changes according to temperature.

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace seat cushion heater. Refer to [SE-129. "Exploded View"](#).

# SEATBACK HEATER

< DTC/CIRCUIT DIAGNOSIS >

## SEATBACK HEATER DRIVER SIDE

### DRIVER SIDE : Description

INFOID:0000000010597855

Warms the seat back heater.

### DRIVER SIDE : Component Function Check

INFOID:0000000010597856

#### 1.CHECK SEATBACK HEATER FUNCTION

Check that heated seat warms to preset temperature when operating heated seat switch to the optimal position.

Is the inspection result normal?

YES >> Seatback heater function is OK.

NO >> Refer to [SE-62, "DRIVER SIDE : Diagnosis Procedure"](#).

### DRIVER SIDE : Diagnosis Procedure

INFOID:0000000010597857

#### 1.CHECK SEATBACK HEATER

1. Turn ignition switch OFF.
2. Disconnect seatback heater connector.
3. Check resistance between seatback heater terminals.

Seatback heater			Condition	Resistance (Ω) (Approx.)
Connector	Terminal			
B442	1	2	When heat sensor temperature is 20°C (68°F)	4.0 – 4.7

**NOTE:**

Resistance value changes according to temperature.

Is the inspection result normal?

YES >> Replace seat cushion heater. Refer to [SE-129, "Exploded View"](#).

NO >> Replace seatback heater. Refer to [SE-129, "Exploded View"](#).

## PASSENGER SIDE

### PASSENGER SIDE : Description

INFOID:0000000010597858

Warms the seat back heater.

### PASSENGER SIDE : Component Function Check

INFOID:0000000010597859

#### 1.CHECK SEATBACK HEATER FUNCTION

Check that heated seat warms to preset temperature when operating heated seat switch to the optimal position.

Is the inspection result normal?

YES >> Seatback heater function is OK.

NO >> Refer to [SE-62, "PASSENGER SIDE : Diagnosis Procedure"](#).

### PASSENGER SIDE : Diagnosis Procedure

INFOID:0000000010597860

#### 1.CHECK SEATBACK HEATER

1. Turn ignition switch OFF.
2. Disconnect seatback heater connector.
3. Check resistance between seatback heater terminals.

## SEATBACK HEATER

### < DTC/CIRCUIT DIAGNOSIS >

Seatback heater			Condition	Resistance (Ω) (Approx.)
Connector	Terminal			
B465	1	2	When heat sensor temperature is 20°C (68°F)	4.0 – 4.7

**NOTE:**

Resistance value changes according to temperature.

**Is the inspection result normal?**

YES >> Replace seat cushion heater. Refer to [SE-129, "Exploded View"](#).

NO >> Replace seatback heater. Refer to [SE-129, "Exploded View"](#).

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

SE

# HEATED SEAT SWITCH INDICATOR

< DTC/CIRCUIT DIAGNOSIS >

## HEATED SEAT SWITCH INDICATOR DRIVER SIDE

### DRIVER SIDE : Description

INFOID:0000000010597861

Illuminates the indicator that indicates the operating status of heated seat.

### DRIVER SIDE : Component Function Check

INFOID:0000000010597862

#### 1.CHECK HEATED SEAT SWITCH INDICATOR FUNCTION

Check that the related indicator lamp illuminates when heated seat switch is turned ON.

Is the inspection result normal?

YES >> Heated seat switch indicator function is OK.

NO >> Refer to [SE-64. "DRIVER SIDE : Diagnosis Procedure"](#).

### DRIVER SIDE : Diagnosis Procedure

INFOID:0000000010597863

#### 1.CHECK HEATED SEAT SWITCH INDICATOR GROUND CIRCUIT

1. Turn ignition switch OFF
2. Disconnect heated seat switch connector.
3. Check continuity between heated seat switch harness connector and ground.

Heated seat switch		Ground	Continuity
Connector	Terminal		
M177	6		Existed

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness.

#### 2.CHECK HEATED SEAT SWITCH

Check heated seat switch.

Refer to [SE-64. "DRIVER SIDE : Component Inspection"](#).

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace heated seat switch. Refer to [SE-152. "Removal and Installation"](#).

#### 3.CHECK INTERMITTENT INCIDENT

Check intermittent incident.

Refer to [GI-45. "Intermittent Incident"](#).

>> INSPECTION END

### DRIVER SIDE : Component Inspection

INFOID:0000000010597864

#### 1.CHECK HEATED SEAT SWITCH

1. Turn ignition OFF.
2. Disconnect heated seat switch connector.
3. Set the heated seat switch ON.
4. Check continuity between heated seat switch terminals as follows.

Heated seat switch		Continuity
Terminal		
(+)*	(-)*	
5	6	Existed
6	5	Not existed



# HEATED SEAT SWITCH INDICATOR

## < DTC/CIRCUIT DIAGNOSIS >

\*For a digital tester.

### NOTE:

- Use a tester that can perform LED (light-emitting diode) measurement.
- The polarity (+ and -) reverses when checking using an analog tester.

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace heated seat switch. Refer to [SE-152, "Removal and Installation"](#).

## PASSENGER SIDE

### PASSENGER SIDE : Description

INFOID:0000000010597865

Illuminates the indicator that indicates the operating status of heated seat.

### PASSENGER SIDE : Component Function Check

INFOID:0000000010597866

#### 1.CHECK FUNCTION

Check that the related indicator lamp illuminates when heated seat switch is turned ON.

Is the inspection result normal?

YES >> Heated seat switch indicator function is OK.

NO >> Refer to [SE-65, "PASSENGER SIDE : Diagnosis Procedure"](#).

### PASSENGER SIDE : Diagnosis Procedure

INFOID:0000000010597867

#### 1.CHECK HEATED SEAT SWITCH INDICATOR GROUND CIRCUIT

1. Turn ignition switch OFF
2. Disconnect heated seat switch connector.
3. Check continuity between heated seat switch harness connector and ground.

Heated seat switch		Ground	Continuity
Connector	Terminal		
M178	6		Existed

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness.

#### 2.CHECK HEATED SEAT SWITCH

Check heated seat switch.

Refer to [SE-65, "PASSENGER SIDE : Component Inspection"](#).

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace heated seat switch. Refer to [SE-152, "Removal and Installation"](#).

#### 3.CHECK INTERMITTENT INCIDENT

Check intermittent incident.

Refer to [GI-45, "Intermittent Incident"](#).

>> INSPECTION END

### PASSENGER SIDE : Component Inspection

INFOID:0000000010597868

#### 1.CHECK HEATED SEAT SWITCH

1. Turn ignition OFF.
2. Disconnect heated seat switch connector.
3. Set the heated seat switch ON.
4. Check continuity between heated seat switch terminals.

## HEATED SEAT SWITCH INDICATOR

< DTC/CIRCUIT DIAGNOSIS >

Heated seat switch		Continuity
Terminal		
(+)*	(-)*	
5	6	Existed
6	5	Not existed

\*For a digital tester.

**NOTE:**

- Use a tester that can perform LED (light-emitting diode) measurement.
- The polarity (+ and –) reverses when checking using an analog tester.

Is the inspection result normal?

YES >> Heated seat switch is OK.

NO >> Replace heated seat switch. Refer to [SE-152, "Removal and Installation"](#).

# POWER SEAT

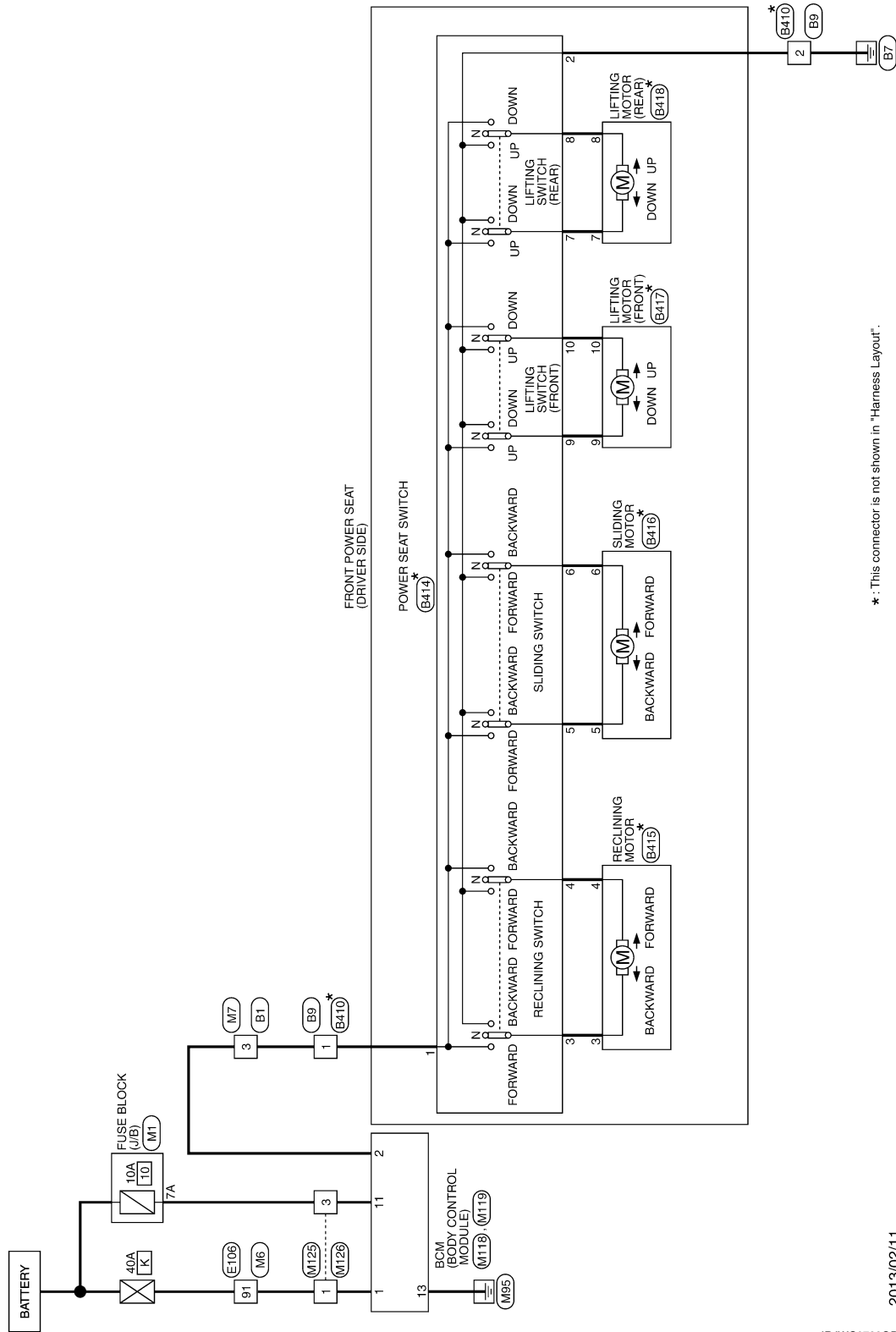
< DTC/CIRCUIT DIAGNOSIS >

## POWER SEAT

Wiring Diagram - POWER SEAT FOR DRIVER SIDE (WITHOUT AUTOMATIC DRIVE POSITIONER) -

INFOID:0000000010597869

### POWER SEAT FOR DRIVER SIDE (WITHOUT AUTOMATIC DRIVE POSITIONER)



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

2013/02/11

JRJCW0799GB

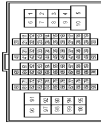
A  
B  
C  
D  
E  
F  
G  
H  
I  
SE  
K  
L  
M  
N  
O  
P

# POWER SEAT

## < DTC/CIRCUIT DIAGNOSIS >

### POWER SEAT FOR DRIVER SIDE (WITHOUT AUTOMATIC DRIVE POSITIONER)

Connector No.	B1
Connector Name	WIRE TO WIRE
Connector Type	TH80FWM-CS16-TM4



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

Connector No.	B9
Connector Name	WIRE TO WIRE
Connector Type	MR8FWM-LC



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

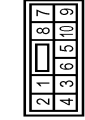


Connector No.	B410
Connector Name	WIRE TO WIRE
Connector Type	NS08FWM



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

Connector No.	B414
Connector Name	POWER SEAT SWITCH
Connector Type	NS10FWM-CS



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



Connector No.	B415
Connector Name	WIRE TO WIRE
Connector Type	NS08FWM-CS



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

# POWER SEAT

## < DTC/CIRCUIT DIAGNOSIS >

### POWER SEAT FOR DRIVER SIDE (WITHOUT AUTOMATIC DRIVE POSITIONER)

Connector No.	B416
Connector Name	WIRE TO WIRE
Connector Type	809S-0238



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

Connector No.	B417
Connector Name	WIRE TO WIRE
Connector Type	NS02FW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
9	L/R	-
10	G/W	-

Connector No.	B418
Connector Name	WIRE TO WIRE
Connector Type	NS02FW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
7	L/Y	-
8	L	-

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



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

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

79	L	- [Without ICC]
79	Y	- [With ICC]
80	SB	-
81	R	-
82	SB	-
83	BG	-
84	G	-
85	L	-
86	P	-
87	V	-
89	GR	-
90	SHIELD	-
91	W	-
92	Y	-
93	V	-
94	LG	-
95	BG	-
96	P	-
97	R	-
98	SHIELD	-
99	L	-
100	P	-

Connector No.	M1
Connector Name	FUSE BLOCK (J.B)
Connector Type	NS02FW-42



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

# POWER SEAT

## < DTC/CIRCUIT DIAGNOSIS >

### POWER SEAT FOR DRIVER SIDE (WITHOUT AUTOMATIC DRIVE POSITIONER)

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH80MM-CS16-TM4



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

43	RG	-
45	W	-
46	L	-
50	P	-
51	BR	-
54	Y	-
57	G	-
59	W	-
60	L	-
61	G	-
62	SB	-
63	G	-
64	B	-
65	R	-
67	SHIELD	-
68	Y	-
69	GR	-
70	LG	-
71	LG	-
72	Y	-
73	SB	-
74	BR	- [With ICC]
75	G	- [Without ICC]
76	GR	- [Without ICC]
78	W	- [With ICC]
79	P	- [Without ICC]
80	R	- [With ICC]
81	L	- [Without ICC]
82	W	- [With ICC]
83	Y	- [Without ICC]
84	SB	- [With ICC]
85	V	- [Without ICC]
86	P	- [With ICC]
87	W	- [Without ICC]
88	GR	- [With ICC]
89	SHIELD	- [Without ICC]
90	W	- [With ICC]
92	Y	- [Without ICC]
93	BR	- [With ICC]
94	P	- [Without ICC]
95	GR	- [With ICC]
96	W	- [Without ICC]
97	L	- [With ICC]

88	SHIELD	-
89	V	-
100	SB	-

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



Terminal No.	Color Of Wire	Signal Name [Specification]
3	SB	- [With automatic drive positioner]
3	W	- [Without automatic drive positioner]
5	G	-
6	EG	-
7	W	-
8	B	-
11	V	-
12	SB	-
13	LG	-
14	P	-
15	G	-
16	R	-
17	W	-
18	SB	-
19	LG	-
20	BR	-
21	SHIELD	-
22	Y	-
24	V	-
27	B	-
28	W	-
29	R	-
30	SHIELD	-
32	P	-
33	SB	-
34	L	-
35	P	-
36	L	-
37	P	-
38	P	-

39	Y	-
40	SB	-
41	I	-
44	I	-
45	GR	-
46	LG	-
47	SB	-
48	EG	-
49	R	-
50	L	-
60	P	-
61	L	-
62	SHIELD	-
63	R	-
64	G	-
65	SHIELD	-
66	SB	-
67	V	-
68	LG	-
69	SHIELD	-
70	W	-
73	G	-
74	R	-
75	W	-
76	W	-
77	B	-
78	P	-
79	GR	-
83	EG	-
84	R	-
85	G	-
86	Y	-
87	Y	-
88	W	-
89	BR	-
90	EG	-
91	G	-
92	V	-
93	BR	-
94	V	-
95	G	-
96	Y	-
98	W	-
99	R	-

POWER SEAT FOR DRIVER SIDE (WITHOUT AUTOMATIC DRIVE POSITIONER)

Connector No.	M119
Connector Name	BDM (BODY CONTROL MODULE)
Connector Type	M03FB-LC



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	BAT (B+)
2	W	POWER WINDOW POWER SUPPLY (B+)
3	Y	POWER WINDOW POWER SUPPLY (B+)

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



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

Connector No.	M119
Connector Name	BDM (BODY CONTROL MODULE)
Connector Type	NS1BFN-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
4	LG	INTERIOR ROOM LAMP POWER SUPPLY
5	L	PASSENGER DOOR UNLOCK OUTPUT
7	Y	STEP LAMP CONT
8	V	ALL DOOR FUEL LID LOCK OUTPUT
9	G	DRIVER DOOR FUEL LID UNLOCK OUTPUT
10	BR	REAR DOOR UNLOCK OUTPUT
11	R	BAT (FUSE)
13	B	GROUND
14	W	PUSH-BUTTON IGNITION SW L11 GND
15	W	ACC L11 GND
17	W	TURNS SIGNAL (FRONT)
18	BG	TURNS SIGNAL (LH FRONT)
19	V	INT ROOM LAMP CONT

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



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

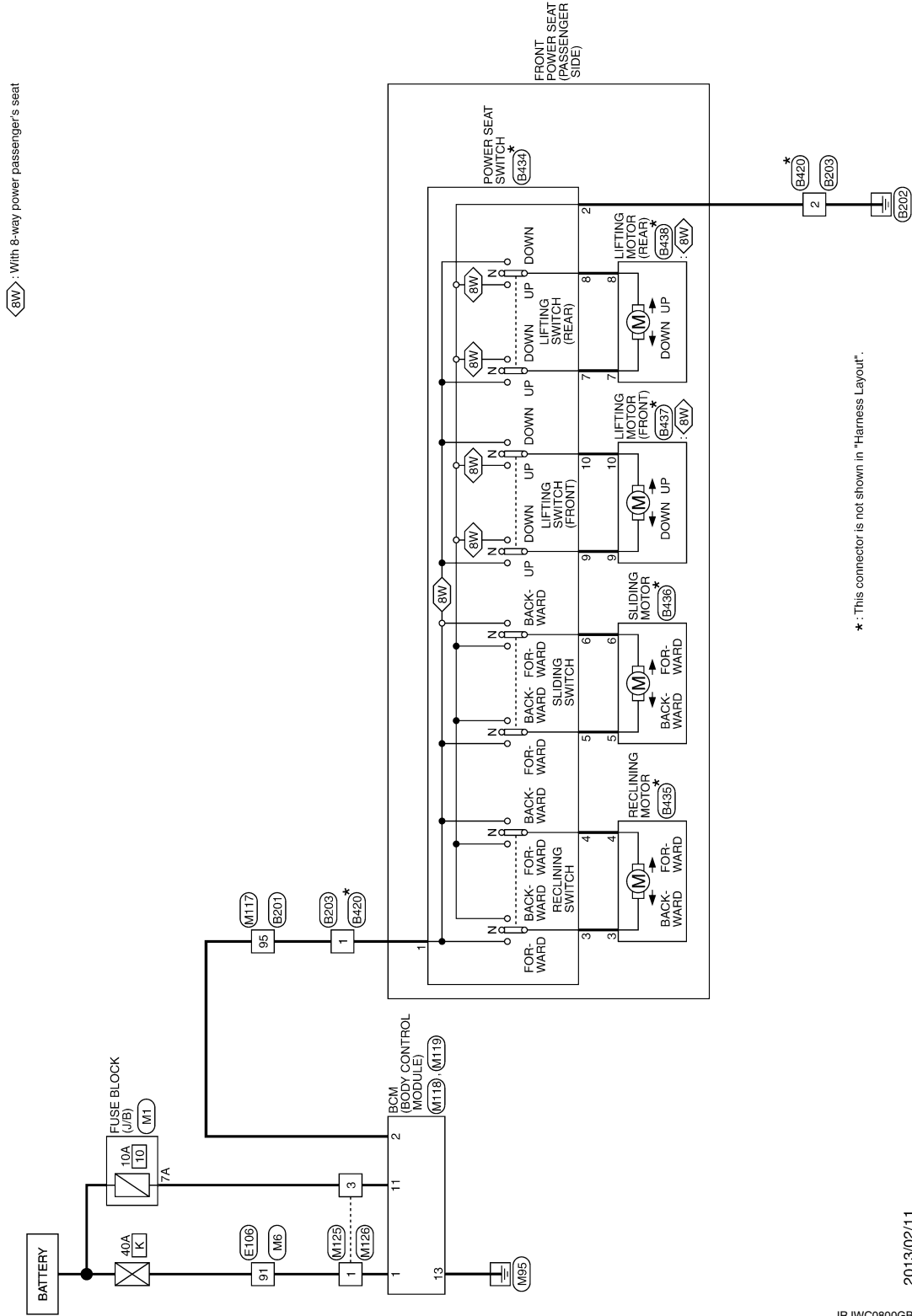
# POWER SEAT

< DTC/CIRCUIT DIAGNOSIS >

## Wiring Diagram - POWER SEAT FOR PASSENGER SIDE -

INFOID:0000000010597870

### POWER SEAT FOR PASSENGER SIDE



2013/02/11

JRJCW0800GB



# POWER SEAT

< DTC/CIRCUIT DIAGNOSIS >

## POWER SEAT FOR PASSENGER SIDE

Connector No.	B201
Connector Name	WIRE TO WIRE
Connector Type	HS06FW-CS16-TM4



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	-
2	R	-
3	GR	-
4	RG	-
7	LG	-
10	W	-
15	SB	-
16	V	-
17	BR	-
26	BR	-
27	L	-
28	Y	-
29	Y	-
30	GR	-
31	R	-
32	BR	-
35	G	-
51	R	-
55	G	-
56	R	-
57	W	-
58	B	-
59	SHIELD	-
60	LG	-
61	W	-
62	BR	-
63	P	-
64	L	-
65	G	-
67	P	-
68	L	-
88	SHIELD	-
89	V	-
70	Y	-
71	SB	-

72	W	-
73	GR	-
75	V	-
80	V	-
81	SB	-
82	LG	-
83	P	-
84	R	-
85	L	-
86	RG	-
87	L	-
88	P	-
91	V	-
92	R	-
94	SB	-
95	SB	-
96	G	-
97	G	-
98	R	-
99	P	-
100	L	-

Connector No.	B203
Connector Name	WIRE TO WIRE
Connector Type	HS06FW-LG



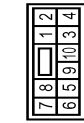
Terminal No.	Color Of Wire	Signal Name [Specification]
1	SB	-
2	B	-
59	B	-
60	R	-
66	RG	-
67	GR	-

Connector No.	B420
Connector Name	WIRE TO WIRE
Connector Type	HS06FW



Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	B	-
59	Y/R	-
60	B	-
66	L	-
67	L	-

Connector No.	B434
Connector Name	POWER SEAT SWITCH
Connector Type	HS06FW-CS



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

Connector No.	B435
Connector Name	WIRE TO WIRE
Connector Type	HS06FW-CS



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

Connector No.	B436
Connector Name	WIRE TO WIRE
Connector Type	HS06FW-CS



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

JRJWC5627GB

# POWER SEAT

## < DTC/CIRCUIT DIAGNOSIS >

### POWER SEAT FOR PASSENGER SIDE

Connector No.	B437
Connector Name	WIRE TO WIRE
Connector Type	NSD2FW-CS



Connector No.	E108
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS18-TM4



Terminal No.	Color Of Wire	Signal Name [Specification]
10	G, W	

Connector No.	B438
Connector Name	WIRE TO WIRE
Connector Type	NSD2FW-CS



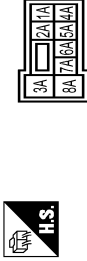
Terminal No.	Color Of Wire	Signal Name [Specification]
7	L, Y	
8	L	

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

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

87	R	-
88	SHIELD	-
89	-	-
100	P	-

Connector No.	M1
Connector Name	FUSE BLOCK (J B)
Connector Type	NSD8FW-M2



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

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS18-TM4



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

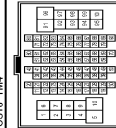
# POWER SEAT

## < DTC/CIRCUIT DIAGNOSIS >

### POWER SEAT FOR PASSENGER SIDE

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

72	Y	-
73	SB	- [With ICC]
74	BR	- [Without ICC]
75	L	-
76	GR	- [Without ICC]
77	W	- [With ICC]
78	P	- [Without ICC]
79	R	- [With ICC]
80	W	- [Without ICC]
81	Y	- [With ICC]
82	SB	- [Without ICC]
83	Y	-
84	G	-
85	L	-
86	P	-
87	W	-
88	GR	-
89	SHIELD	-
90	R	-
91	W	-
92	Y	-
93	BR	-
94	P	-
95	GR	-
96	W	-
97	SHIELD	-
98	V	-
99	SB	-
100	SB	-



Connector No.	M117
Connector Name	WPE TO WIRE
Connector Type	1180MMV-CSI16-TM4

Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
2	G	-
3	GR	-
4	SB	-
7	W	-
10	W	-
15	SB	-
16	V	-
17	BR	-
26	BR	-
27	LG	-
28	Y	-
29	Y	-
31	R	-
32	GR	-
33	G	-
35	R	-
55	W	-
56	B	-
57	R	-
58	G	-
59	SHIELD	-
60	V	-
61	LG	-
62	BR	-
63	L	-
64	R	-
65	R	-
66	R	-
67	W	-
68	SHIELD	-
69	V	-
70	Y	-
71	SB	-
72	W	-
73	G	-
75	W	-
80	V	-
81	SB	-
82	V	-
84	R	-
85	L	-
86	RG	-
87	L	-
88	P	-
91	V	-

92	G	-
93	G	-
95	W	-
96	G	-
97	Y	-
98	BR	-
99	P	- [Without BOSE audio]
99	V	- [With BOSE audio]
100	L	- [Without BOSE audio]
100	SB	- [With BOSE audio]

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



Terminal No.	Color Of Wire	Signal Name [Specification]
1	W	BAT (7/L)
2	W	POWER WINDOW POWER SUPPLY(BAT)
3	Y	POWER WINDOW POWER SUPPLY(PAD)

Connector No.	M119
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	NS18FW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
4	LG	INTERIOR ROOM LAMP POWER SUPPLY
5	LG	PASSENGER DOOR UNLOCK OUTPUT
7	Y	STEP LAMP CONT
8	V	ALL DOOR FUEL LID LOCK OUTPUT
9	G	DRIVER DOOR FUEL LID UNLOCK OUTPUT

POWER SEAT FOR PASSENGER SIDE

10	BR	REAR DOOR LOCK OUTPUT
11	B	REAR DOOR LOCK
13	B	GROUND
14	W	PUSH-BUTTON IGNITION SW ILL GND
15	Y	ACC IND
17	W	TURN SIGNAL RH (FRONT)
18	BG	TURN SIGNAL LH (FRONT)
19	V	INT ROOM LAMP CONT

Connector No.	M125
Connector Name	WIRE TO WIRE
Connector Type	M03PW-LG



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

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



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

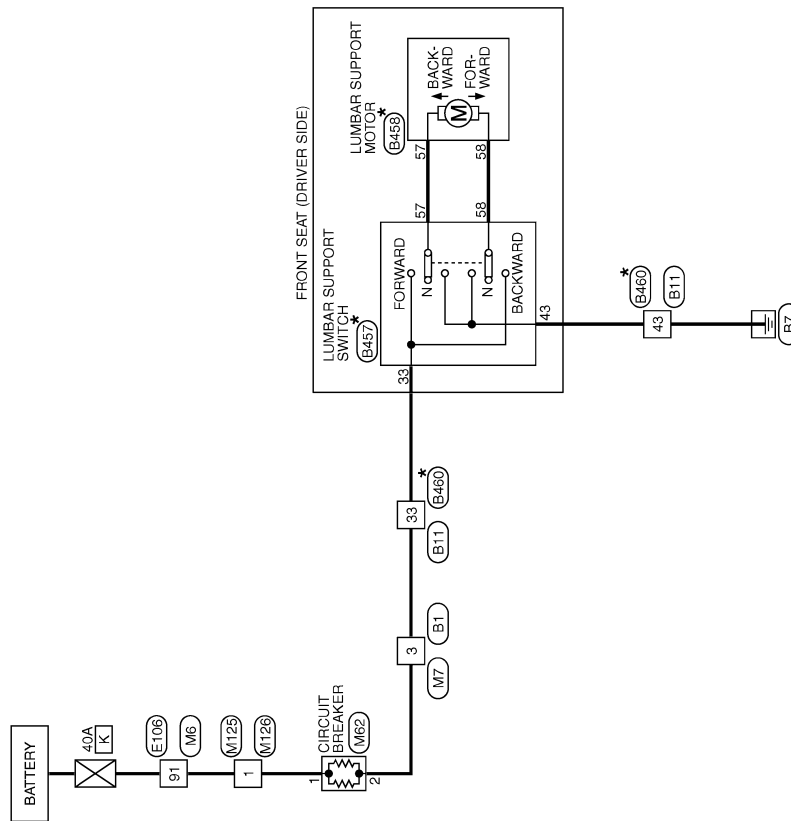
# LUMBAR SUPPORT

< DTC/CIRCUIT DIAGNOSIS >

## LUMBAR SUPPORT

### Wiring Diagram - LUMBAR SUPPORT SYSTEM -

INFOID:000000010597871



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

LUMBAR SUPPORT

2014/03/21

JRJWC5602GB

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

# LUMBAR SUPPORT

< DTC/CIRCUIT DIAGNOSIS >

## LUMBAR SUPPORT

Connector No.	B1
Connector Name	WIRE TO WIRE
Connector Type	TH89FW-CS16-TM4



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

Connector No.	B11
Connector Name	WIRE TO WIRE
Connector Type	NS18FW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	B	-
3	SB	-
4	SB	-
5	P	-
6	Y	-
7	P	-
8	Y	-
9	P	-
10	V	-
11	V	-
12	L	-
13	BG	-
14	R	-
15	B	-
16	R	-
17	Y	-
18	R	-
19	G	-
20	Y	-
21	Y	-
22	Y	-
23	Y	-
24	Y	-
25	Y	-
26	Y	-
27	Y	-
28	Y	-
29	Y	-
30	Y	-
31	Y	-
32	Y	-
33	Y	-
34	Y	-
35	Y	-
36	Y	-
37	Y	-
38	Y	-
39	Y	-
40	Y	-
41	Y	-
42	Y	-
43	Y	-
44	Y	-
45	Y	-
46	Y	-
47	Y	-
48	Y	-
49	Y	-
50	Y	-
51	Y	-
52	Y	-
53	Y	-
54	Y	-
55	Y	-
56	Y	-
57	Y	-
58	Y	-
59	Y	-
60	Y	-
61	Y	-
62	Y	-
63	Y	-
64	Y	-
65	Y	-
66	Y	-
67	Y	-
68	Y	-
69	Y	-
70	Y	-
71	Y	-
72	Y	-
73	Y	-
74	Y	-
75	Y	-
76	Y	-
77	Y	-
78	Y	-
79	Y	-
80	Y	-
81	Y	-
82	Y	-
83	Y	-
84	Y	-
85	Y	-
86	Y	-
87	Y	-
88	Y	-
89	Y	-
90	Y	-
91	Y	-
92	Y	-
93	Y	-
94	Y	-
95	Y	-
96	Y	-
97	Y	-
98	Y	-
99	Y	-
100	Y	-
101	Y	-
102	Y	-
103	Y	-
104	Y	-
105	Y	-
106	Y	-
107	Y	-
108	Y	-
109	Y	-
110	Y	-
111	Y	-
112	Y	-
113	Y	-
114	Y	-
115	Y	-
116	Y	-
117	Y	-
118	Y	-
119	Y	-
120	Y	-
121	Y	-
122	Y	-
123	Y	-
124	Y	-
125	Y	-
126	Y	-
127	Y	-
128	Y	-
129	Y	-
130	Y	-
131	Y	-
132	Y	-
133	Y	-
134	Y	-
135	Y	-
136	Y	-
137	Y	-
138	Y	-
139	Y	-
140	Y	-
141	Y	-
142	Y	-
143	Y	-
144	Y	-
145	Y	-
146	Y	-
147	Y	-
148	Y	-
149	Y	-
150	Y	-
151	Y	-
152	Y	-
153	Y	-
154	Y	-
155	Y	-
156	Y	-
157	Y	-
158	Y	-
159	Y	-
160	Y	-
161	Y	-
162	Y	-
163	Y	-
164	Y	-
165	Y	-
166	Y	-
167	Y	-
168	Y	-
169	Y	-
170	Y	-
171	Y	-
172	Y	-
173	Y	-
174	Y	-
175	Y	-
176	Y	-
177	Y	-
178	Y	-
179	Y	-
180	Y	-
181	Y	-
182	Y	-
183	Y	-
184	Y	-
185	Y	-
186	Y	-
187	Y	-
188	Y	-
189	Y	-
190	Y	-
191	Y	-
192	Y	-
193	Y	-
194	Y	-
195	Y	-
196	Y	-
197	Y	-
198	Y	-
199	Y	-
200	Y	-
201	Y	-
202	Y	-
203	Y	-
204	Y	-
205	Y	-
206	Y	-
207	Y	-
208	Y	-
209	Y	-
210	Y	-
211	Y	-
212	Y	-
213	Y	-
214	Y	-
215	Y	-
216	Y	-
217	Y	-
218	Y	-
219	Y	-
220	Y	-
221	Y	-
222	Y	-
223	Y	-
224	Y	-
225	Y	-
226	Y	-
227	Y	-
228	Y	-
229	Y	-
230	Y	-
231	Y	-
232	Y	-
233	Y	-
234	Y	-
235	Y	-
236	Y	-
237	Y	-
238	Y	-
239	Y	-
240	Y	-
241	Y	-
242	Y	-
243	Y	-
244	Y	-
245	Y	-
246	Y	-
247	Y	-
248	Y	-
249	Y	-
250	Y	-
251	Y	-
252	Y	-
253	Y	-
254	Y	-
255	Y	-
256	Y	-
257	Y	-
258	Y	-
259	Y	-
260	Y	-
261	Y	-
262	Y	-
263	Y	-
264	Y	-
265	Y	-
266	Y	-
267	Y	-
268	Y	-
269	Y	-
270	Y	-
271	Y	-
272	Y	-
273	Y	-
274	Y	-
275	Y	-
276	Y	-
277	Y	-
278	Y	-
279	Y	-
280	Y	-
281	Y	-
282	Y	-
283	Y	-
284	Y	-
285	Y	-
286	Y	-
287	Y	-
288	Y	-
289	Y	-
290	Y	-
291	Y	-
292	Y	-
293	Y	-
294	Y	-
295	Y	-
296	Y	-
297	Y	-
298	Y	-
299	Y	-
300	Y	-
301	Y	-
302	Y	-
303	Y	-
304	Y	-
305	Y	-
306	Y	-
307	Y	-
308	Y	-
309	Y	-
310	Y	-
311	Y	-
312	Y	-
313	Y	-
314	Y	-
315	Y	-
316	Y	-
317	Y	-
318	Y	-
319	Y	-
320	Y	-
321	Y	-
322	Y	-
323	Y	-
324	Y	-
325	Y	-
326	Y	-
327	Y	-
328	Y	-
329	Y	-
330	Y	-
331	Y	-
332	Y	-
333	Y	-
334	Y	-
335	Y	-
336	Y	-
337	Y	-
338	Y	-
339	Y	-
340	Y	-
341	Y	-
342	Y	-
343	Y	-
344	Y	-
345	Y	-
346	Y	-
347	Y	-
348	Y	-
349	Y	-
350	Y	-
351	Y	-
352	Y	-
353	Y	-
354	Y	-
355	Y	-
356	Y	-
357	Y	-
358	Y	-
359	Y	-
360	Y	-
361	Y	-
362	Y	-
363	Y	-
364	Y	-
365	Y	-
366	Y	-
367	Y	-
368	Y	-
369	Y	-
370	Y	-
371	Y	-
372	Y	-
373	Y	-
374	Y	-
375	Y	-
376	Y	-
377	Y	-
378	Y	-
379	Y	-
380	Y	-
381	Y	-
382	Y	-
383	Y	-
384	Y	-
385	Y	-
386	Y	-
387	Y	-
388	Y	-
389	Y	-
390	Y	-
391	Y	-
392	Y	-
393	Y	-
394	Y	-
395	Y	-
396	Y	-
397	Y	-
398	Y	-
399	Y	-
400	Y	-
401	Y	-
402	Y	-
403	Y	-
404	Y	-
405	Y	-
406	Y	-
407	Y	-
408	Y	-
409	Y	-
410	Y	-
411	Y	-
412	Y	-
413	Y	-
414	Y	-
415	Y	-
416	Y	-
417	Y	-
418	Y	-
419	Y	-
420	Y	-
421	Y	-
422	Y	-
423	Y	-
424	Y	-
425	Y	-
426	Y	-
427	Y	-
428	Y	-
429	Y	-
430	Y	-
431	Y	-
432	Y	-
433	Y	-
434	Y	-
435	Y	-
436	Y	-
437	Y	-
438	Y	-
439	Y	-
440	Y	-
441	Y	-
442	Y	-
443	Y	-
444	Y	-
445	Y	-
446	Y	-
447	Y	-
448	Y	-
449	Y	-
450	Y	-

# LUMBAR SUPPORT

< DTC/CIRCUIT DIAGNOSIS >

## LUMBAR SUPPORT

86	B	-
87	L	-

Connector No.	E108
Connector Name	WIRE TO WIRE
Connector Type	TH8BFW-CS16-TM4



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

38	BR	-
39	BG	-
40	W	-
41	W	-
42	G	-
43	BR	-
44	W	-
45	L	-
46	P	-
47	L	-
48	BG	-
49	W	-
50	LG	-
51	G	-
52	SB	-
53	W	-
54	R	-
55	G	-
56	R	-
57	SHIELD	-
58	Y	-
59	LG	-
60	W	-
61	Y	-
62	B	-
63	Y	-
64	W	-
65	Y	-
66	Y	-
67	SHIELD	-
68	Y	-
69	LG	-
70	W	-
71	R	-
72	Y	-
73	B	-
74	BR	-
75	L	-
76	G	-
77	W	-
78	W	-
79	Y	-
80	SB	-
81	R	-
82	SB	-
83	BG	-
84	G	-
85	P	-
86	V	-
87	V	-
88	GR	-
89	SHIELD	-
90	W	-
91	W	-
92	Y	-

93	V	-
94	LG	-
95	BG	-
96	P	-
97	R	-
98	SHIELD	-
99	L	-
100	P	-

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH8BFW-CS16-TM4



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

32	G	-
33	W	-
34	W	-
35	R	-
36	SHIELD	-
37	V	-
38	BG	-
39	BR	-
40	W	-
41	W	-
42	BG	-
43	BG	-
44	W	-
45	W	-
46	L	-
47	P	-
48	BR	-
49	BR	-
50	G	-
51	G	-
52	W	-
53	W	-
54	L	-
55	G	-
56	SB	-
57	G	-
58	G	-
59	G	-
60	L	-
61	G	-
62	SB	-
63	G	-
64	B	-
65	W	-
66	R	-
67	SHIELD	-
68	Y	-
69	GR	-
70	LG	-
71	LG	-
72	Y	-
73	SB	-
74	BR	-
75	L	-
76	GR	-
77	P	-
78	R	-
79	L	-
80	W	-
81	Y	-
82	SB	-
83	V	-
84	G	-
85	L	-
86	P	-

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

# LUMBAR SUPPORT

< DTC/CIRCUIT DIAGNOSIS >

## LUMBAR SUPPORT

87	W	-
88	GR	-
89	SHIELD	-
90	L	-
91	W	-
92	Y	-
93	BR	-
94	P	-
95	GR	-
96	W	-
97	L	-
98	SHIELD	-
99	V	-
100	SB	-

Connector No.	M7
Connector Name	WIRE TO WIRE
Connector Type	TH88MWR-CSS1F-TM4



Terminal No.	Color Of Wire	Signal Name [Specification]
1	SB	- [With automatic drive assistance]
3	W	- [Without automatic drive assistance]
5	G	-
6	BG	-
7	W	-
8	B	-
11	V	-
12	SB	-
13	LG	-
14	Y	-
15	G	-
16	R	-
17	W	-
18	SB	-
19	LG	-
20	BR	-
21	SHIELD	-
22	Y	-
24	V	-
27	B	-
28	W	-

29	R	-
30	SHIELD	-
31	L	-
32	P	-
33	SB	-
34	L	-
35	P	-
36	L	-
37	P	-
38	P	-
39	Y	-
40	SB	-
41	L	-
42	GR	-
43	G	-
44	SB	-
45	RG	-
46	RG	-
47	SB	-
48	R	-
49	R	-
50	L	-
60	P	-
61	L	-
62	SHIELD	-
63	R	-
64	G	-
65	SHIELD	-
66	SB	-
67	V	-
68	LG	-
69	SHIELD	-
70	W	-
71	G	-
74	R	-
75	W	-
76	W	-
77	B	-
78	P	-
79	GR	-
83	BG	-
85	LG	-
86	R	-
87	Y	-
88	W	-
89	RG	-
90	BG	-
91	G	-
92	V	-
93	BR	-
94	V	-
95	G	-
96	Y	-

98	W	-
99	R	-

Connector No.	M62
Connector Name	CIRCUIT BREAKER
Connector Type	MD6FY-P-LC



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

Connector No.	M125
Connector Name	WIRE TO WIRE
Connector Type	MD6FY-LC



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

Connector No.	M126
Connector Name	WIRE TO WIRE
Connector Type	MD3MW-LC



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

JRJWC5633GB



# REAR SEATBACK RELEASE CONTROL

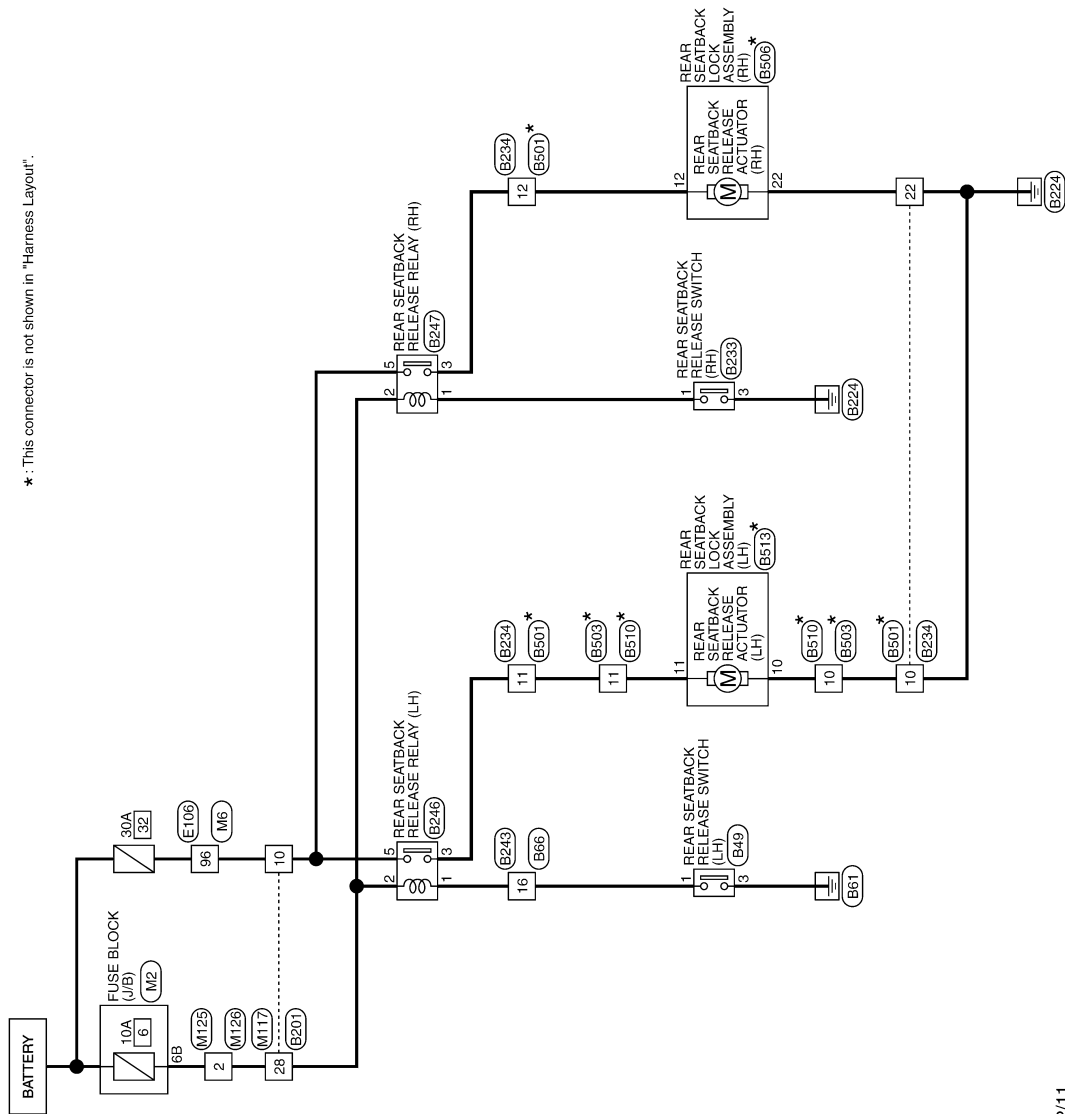
< DTC/CIRCUIT DIAGNOSIS >

## REAR SEATBACK RELEASE CONTROL

### Wiring Diagram - REAR SEATBACK RELEASE CONTROL -

INFOID:000000010597872

#### REAR SEATBACK RELEASE CONTROL



2013/02/11

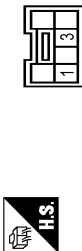
JRJWC0804GB

# REAR SEATBACK RELEASE CONTROL

< DTC/CIRCUIT DIAGNOSIS >

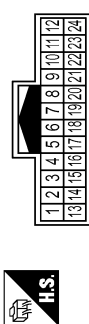
## REAR SEATBACK RELEASE CONTROL

Connector No.	B49
Connector Name	REAR SEATBACK RELEASE SWITCH (LH)
Connector Type	TK06FW-IV



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

Connector No.	B66
Connector Name	WIRE TO WIRE
Connector Type	TH2AMV-NH



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

Connector No.	B501
Connector Name	WIRE TO WIRE
Connector Type	TH06FW-CS16-TM4



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

72	W	-
73	BR	-
75	Y	-
80	V	-
81	SB	-
82	LG	-
83	P	-
84	R	-
85	L	-
86	BG	-
87	L	-
88	L	-
89	P	-
91	V	-
92	R	-
93	GR	-
94	SB	-
96	G	-
97	G	-
98	R	-
99	P	-
100	L	-

Connector No.	B233
Connector Name	REAR SEATBACK RELEASE SWITCH (RH)
Connector Type	TK06FW-IV



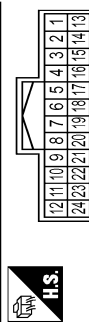
Terminal No.	Color Of Wire	Signal Name [Specification]
1	BG	-
3	B	-

Connector No.	B234
Connector Name	WIRE TO WIRE
Connector Type	NS16MW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
3	GR	-
4	EG	-
5	P	-
6	GR	-
8	W	-
9	L	-
10	B	-
11	W	-
12	W	-
13	R	-
14	BG	-
15	BR	-
17	G	-
18	Y	-
19	V	-
22	B	-

Connector No.	B243
Connector Name	WIRE TO WIRE
Connector Type	TH24EW-NH



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

# REAR SEATBACK RELEASE CONTROL

< DTC/CIRCUIT DIAGNOSIS >

## REAR SEATBACK RELEASE CONTROL

13	W	-
14	W	-
15	GR	-
16	BR	-
17	LG	-
18	L	-

Connector No.	B246
Connector Name	REAR SEATBACK RELEASE RELAY (RH)
Connector Type	NS202FL-MP-LG



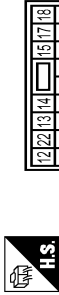
Terminal No.	Color Of Wire	Signal Name [Specification]
1	BR	-
2	EG	-
3	W	-
5	W	-

Connector No.	B247
Connector Name	REAR SEATBACK RELEASE RELAY (RH)
Connector Type	NS202FL-MP-LG



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

Connector No.	B501
Connector Name	WIRE TO WIRE
Connector Type	NS106FW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
3	G	-
4	G/B	-
5	G/R	-
6	SB	-
8	V	-
9	O	-
10	B	-
11	V/W	-
12	W	-
13	L	-
14	L/B	-
15	L/W	-
17	GR	-
18	GR/B	-
19	GR/R	-
22	B	-

Connector No.	B503
Connector Name	WIRE TO WIRE
Connector Type	NS106FW-CS



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

5	G/R	-
8	SB	-
9	V	-
10	B	-
11	V/W	-

Connector No.	B506
Connector Name	REAR SEATBACK LOCK ASSEMBLY (RH)
Connector Type	NS04FW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
12	W	-
13	L	-
14	L/B	-
22	B	-

Connector No.	B510
Connector Name	WIRE TO WIRE
Connector Type	NS106FW-CS



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

10	B	-
11	W	-

Connector No.	B513
Connector Name	REAR SEATBACK LOCK ASSEMBLY (LH)
Connector Type	NS04FW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
8	L	-
9	L/B	-
10	B	-
11	W	-

Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	TH06FW-CS1E-TM4



Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	W	-
3	B	-
4	GR	-
5	GR	-
8	BR	-
10	EG	-
11	SB	-
12	EG	-
13	L	-
14	R	-

# REAR SEATBACK RELEASE CONTROL

< DTC/CIRCUIT DIAGNOSIS >

## REAR SEATBACK RELEASE CONTROL

13	V	-
14	V	-
15	SB	-
16	V	-
17	SB	-
18	V	-
19	SB	-
20	EG	-
21	L	-
22	V	-
23	G	-
24	P	-
25	Y	-
26	V	-
27	W	-
28	G	-
29	EG	-
30	R	-
31	EG	-
32	R	-
33	B	-
34	R	-
35	G	-
36	SHIELD	-
37	V	-
38	BR	-
39	EG	-
40	W	-
41	W	-
42	G	-
43	BR	-
44	W	-
45	W	-
46	P	-
47	L	-
48	EG	-
49	BR	-
50	P	-
51	EG	-
52	BR	-
53	W	-
54	EG	-
55	W	-
56	LG	-
57	BR	-
58	W	-
59	W	-
60	LG	-
61	G	-
62	SB	-
63	W	-
64	B	-
65	G	-
66	R	-
67	SHIELD	-
68	Y	-
69	LG	-
70	W	-
71	R	-
72	Y	-
73	B	-
74	BR	-
75	L	-
76	G	-
77	W	-

76	W	- [With ICG]
77	Y	- [Without ICG]
78	P	- [With ICG]
79	R	- [Without ICG]
80	BR	- [With ICG]
81	L	- [Without ICG]
82	Y	- [With ICG]
83	SB	- [Without ICG]
84	R	- [With ICG]
85	EG	- [Without ICG]
86	G	- [With ICG]
87	B	- [Without ICG]
88	V	- [With ICG]
89	GR	- [Without ICG]
90	SHIELD	-
91	W	-
92	Y	-
93	V	-
94	LG	-
95	EG	-
96	P	-
97	R	-
98	SHIELD	-
99	L	-
100	P	-

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



Terminal No.	Color Of Wire	Signal Name [Specification]
48	P	-
68	G	-
75	B	-
68	Y	-
76	P	-
88	R	-

48	SB	-
----	----	---



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

39	BR	-
40	W	-
41	W	-
42	EG	-
43	EG	-
44	W	-
45	W	-
46	P	-
47	BR	-
48	Y	-
49	Y	-
50	G	-
51	W	-
52	L	-
53	G	-
54	SB	-
55	G	-
56	B	-
57	W	-
58	R	-
59	SHIELD	-
60	Y	-
61	GR	-
62	LG	-
63	Y	-
64	Y	-
65	Y	-
66	Y	-
67	Y	-
68	Y	-
69	GR	-
70	LG	-
71	LG	-
72	Y	-
73	SB	-
74	BR	-
75	L	-
76	L	-
77	G	-
78	W	-
79	P	-
80	R	-
81	L	-
82	R	-
83	Y	-
84	SB	-
85	SB	-
86	Y	-
87	G	-
88	L	-
89	P	-
90	GR	-
91	SHIELD	-
92	W	-
93	Y	-
94	BR	-
95	P	-

# REAR SEATBACK RELEASE CONTROL

< DTC/CIRCUIT DIAGNOSIS >

## REAR SEATBACK RELEASE CONTROL

85	GR	-
86	W	-
87	L	-
88	SHIELD	-
89	V	-
100	SB	-

Connector No.	M117
Connector Name	WIRE TO WIRE
Connector Type	TH80MM-GS1E-TM4



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

Connector No.	M126
Connector Name	WIRE TO WIRE
Connector Type	M03FW-LC



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

85	B	-
86	W	-
87	SHIELD	-
88	V	-
70	Y	-
71	SB	-
72	W	-
73	G	-
75	W	-
80	V	-
81	SB	-
82	V	-
83	P	-
84	R	-
85	LG	-
86	LG	-
87	L	-
88	P	-
91	V	-
92	G	-
94	G	-
95	W	-
96	G	-
97	Y	-
98	BR	-
99	P	-
99	P	- [Without BOSE audio]
99	V	- [With BOSE audio]
100	V	- [Without BOSE audio]
100	SB	- [With BOSE audio]

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



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

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

# REAR SEAT BACK POWER RETURN CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

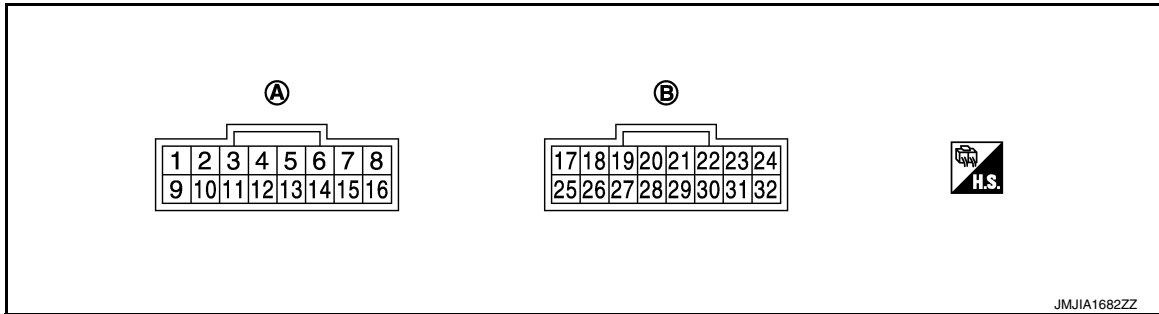
## ECU DIAGNOSIS INFORMATION

### REAR SEAT BACK POWER RETURN CONTROL UNIT

Reference Value

INFOID:0000000010597873

#### TERMINAL LAYOUT

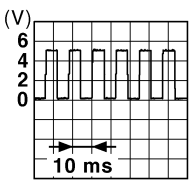


A. B227

B. B226

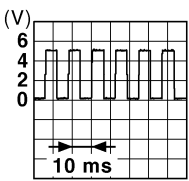
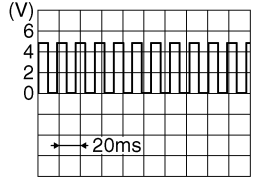
#### PHYSICAL VALUES

Rear seat back power return control unit

Terminal No. (Wire color)		Description		Condition	Voltage (V) (Approx.)
(+)	(-)	Signal name	Input/ Output		
1 (V)	Ground	Ground (Motor sensor RH)	—	—	0
2 (Y)	Ground	Motor sensor (RH) input signal	Input	When the power return motor (RH) is operated	
				When the pinch occurs	The above pulse width should be expanded
3 (G)	Ground	Motor sensor (RH) Power supply	Input	When the power return motor is operated	Battery voltage
5 (GR)	Ground	Power return motor (LH) backward signal	Output	When the power return motor (LH) performs reverse operation	Battery voltage
				Other than the above	0
6 (L)	Ground	Power return motor (LH) forward signal	Output	When the power return motor (LH) performs return operation	Battery voltage
				Other than the above	0
7 (SB)	Ground	Power return motor (RH) backward signal	Output	When the power return motor (RH) performs reverse operation	Battery voltage
				Other than the above	0
8 (R)	Ground	Power return motor (RH) forward signal	Output	When the power return motor (RH) performs return operation	Battery voltage
				Other than the above	0
9 (P)	Ground	Ground (Motor sensor LH)	—	—	0

# REAR SEAT BACK POWER RETURN CONTROL UNIT

## < ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition	Voltage (V) (Approx.)
(+)	(-)	Signal name	Input/ Output		
10 (BR)	Ground	Motor sensor (LH) input signal	Input	When the power return motor (LH) is operated	 JMKIA0070GB
				When the pinch occurs	The above pulse width should be expanded
11 (LG)	Ground	Motor sensor (LH) Power supply	Input	When the power return motor is operated	Battery voltage
13 (B)	Ground	Ground (power)	—	—	0
16 (W)	Ground	Battery power supply (power)	Input	—	Battery voltage
17 (Y)	Ground	Battery power supply (system)	Input	—	Battery voltage
20 (P)	Ground	Power return switch (RH) or rear seatback switch (RH) in UP direction input signal	Input	When pressing the power return switch (RH) or rear seatback switch (RH) in UP direction	0
				Other than the above	5
21 (GR)	Ground	Primary position limit switch (LH) input signal	Input	When the sector gear (LH) is in the initial position (other than low power consumption mode)	Battery voltage
				Other than the above	0
22 (BR)	Ground	Primary position limit switch (RH) input signal	Input	When the sector gear (RH) is in the initial position (other than low power consumption mode)	Battery voltage
				Other than the above	0
23 (BG)	Ground	Ground (limit switch RH)	—	—	0
24 (BR)	Ground	Vehicle speed signal (8-pulse)	Input	When vehicle speed is approx.40 km/h (25MPH)	<b>NOTE:</b> Maximum voltage may be 12 V due to specifications (connected units)  SKIA6649J
28 (LG)	Ground	Power return switch (LH) or rear seatback switch in UP direction input signal	Input	When pressing the power return switch (LH) or rear seatback switch in UP direction	0
				Other than the above	5
29 (W)	Ground	Return complete limit switch (LH) input signal	Input	When the rear seatback (LH) is in the return completion position (other than low power consumption mode)	Battery voltage
				Other than the above	0

# REAR SEAT BACK POWER RETURN CONTROL UNIT

## < ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition	Voltage (V) (Approx.)
(+)	(-)	Signal name	Input/ Output		
30 (R)	Ground	Return complete limit switch (RH) input signal	Input	When the rear seatback (RH) is in the return completion position (other than low power consump- tion mode)	Battery voltage
				Other than the above	0
31 (L)	Ground	Ground (limit switch LH)	—	—	0
32 (B)	Ground	Ground (system)	—	—	0



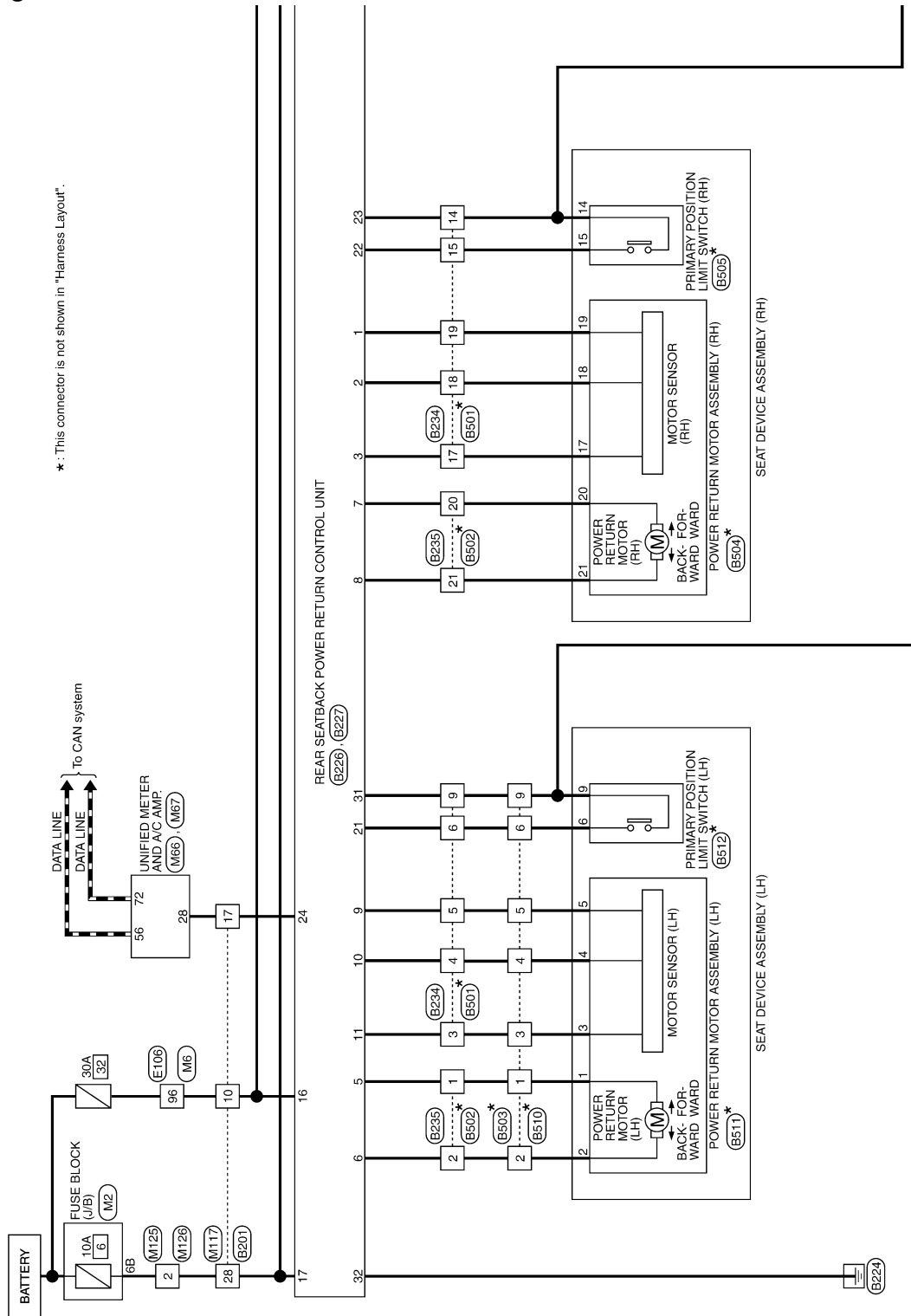
# REAR SEAT BACK POWER RETURN CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

## Wiring Diagram - REAR SEATBACK POWER RETURN SYSTEM -

INFOID:0000000010597874

### REAR SEATBACK POWER RETURN SYSTEM



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

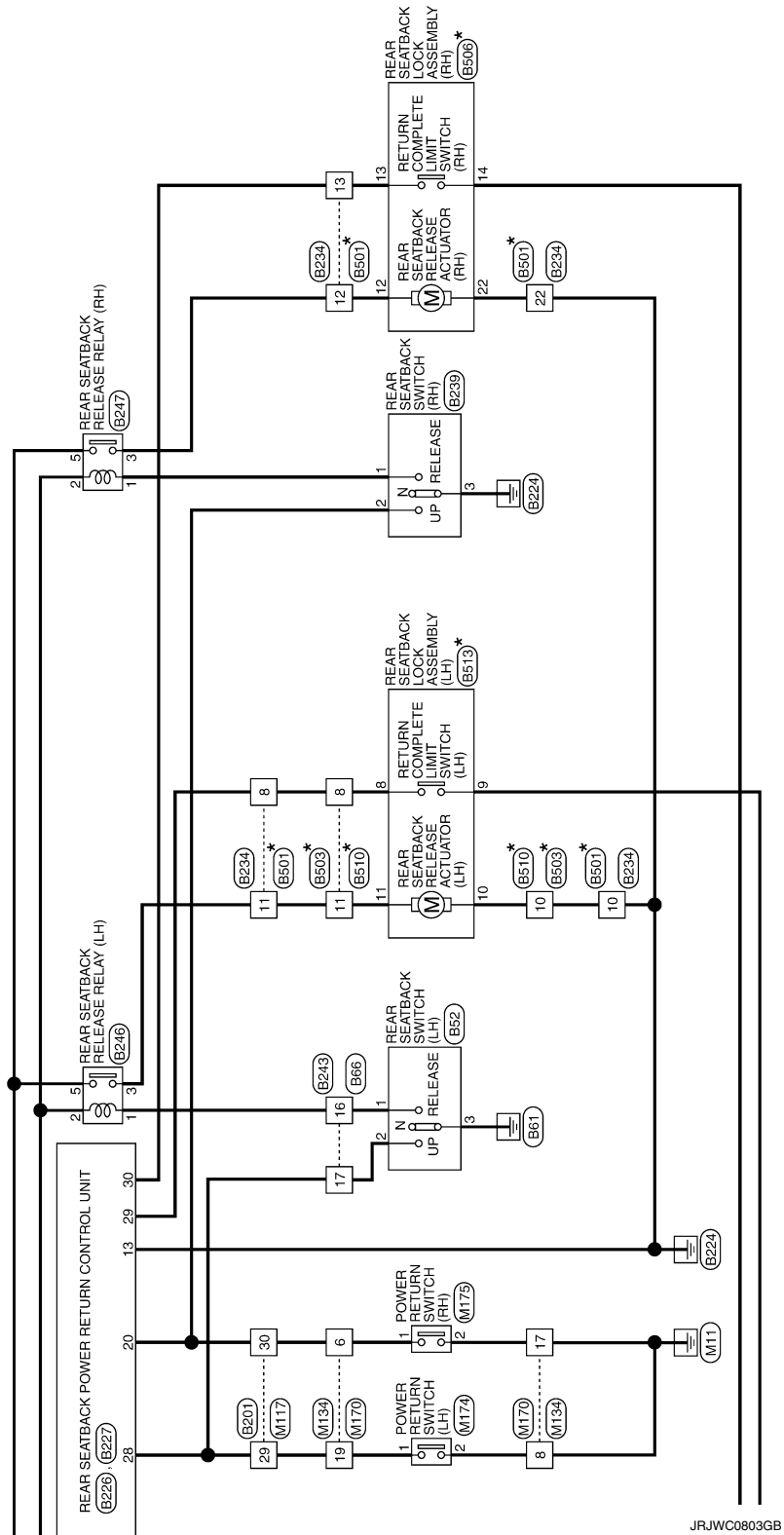
2013/02/11

JRJWC0802GB

# REAR SEAT BACK POWER RETURN CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

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



JRJC0803GB

# REAR SEAT BACK POWER RETURN CONTROL UNIT

## < ECU DIAGNOSIS INFORMATION >

### REAR SEATBACK POWER RETURN SYSTEM

Connector No.	B52
Connector Name	REAR SEATBACK SWITCH (LH)
Connector Type	TX08FW-1V



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

Connector No.	B56
Connector Name	WIRE TO WIRE
Connector Type	TH2AMV-NH



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

Connector No.	B501
Connector Name	WIRE TO WIRE
Connector Type	TH08FW-CS16-TM4



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

72	W	-
73	W	-
75	V	-
80	V	-
81	SB	-
82	LG	-
83	P	-
84	R	-
85	L	-
86	BG	-
87	L	-
88	P	-
91	V	-
92	R	-
94	R	-
95	GR	-
96	G	-
97	G	-
98	R	-
99	P	-
100	L	-

Connector No.	B226
Connector Name	REAR SEATBACK POWER RETURN CONTROL UNIT
Connector Type	YAA18FW



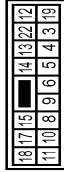
Terminal No.	Color Of Wire	Signal Name [Specification]
17	Y	BAT (SYSTEM)
20	P	FLIP UP SW RH
21	GR	PRIMARY POSITION L/S (LH)
22	BR	PRIMARY POSITION L/S (RH)
23	BG	GND (RH L/S)
24	BR	FLIP DOWN SW RH
25	W	FLIP DOWN SW LH
28	W	RETURN COMPLETE L/S (LH)
30	R	RETURN COMPLETE L/S (RH)
31	L	GND (LH L/S)
32	B	GND (SIGNAL)

Connector No.	B227
Connector Name	REAR SEATBACK POWER RETURN CONTROL UNIT
Connector Type	SEA18FW



Terminal No.	Color Of Wire	Signal Name [Specification]
1	Y	GND (RH SENSOR)
2	Y	GND (LH SENSOR)
3	G	POWER SUPPLY (RH SENSOR)
5	GR	BACKWARD
6	L	FORWARD
7	SB	BACKWARD
8	R	FORWARD
9	P	GND (LH SENSOR)
10	BR	MOTOR SUPPLY (LH SENSOR)
11	LG	POWER SUPPLY (LH SENSOR)
13	B	GND (POWER)
16	W	BAT (POWER)

Connector No.	B234
Connector Name	WIRE TO WIRE
Connector Type	NSTBMV-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
3	LG	-
4	BG	-
5	BR	-
6	GR	-
8	W	-
9	L	-
10	B	-

# REAR SEAT BACK POWER RETURN CONTROL UNIT

## < ECU DIAGNOSIS INFORMATION >

### REAR SEATBACK POWER RETURN SYSTEM

Connector No.	B502
Connector Name	WIRE TO WIRE
Connector Type	MS02FL-M2-LG



Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	-
2	R/W	-
20	LG	-
21	LG/B	-

Connector No.	B503
Connector Name	WIRE TO WIRE
Connector Type	MS10FW-CS



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

Connector No.	B501
Connector Name	WIRE TO WIRE
Connector Type	MS10FW-CS



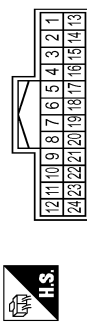
Terminal No.	Color Of Wire	Signal Name [Specification]
1	GR	-
2	GR	-
3	W	-
5	W	-

Connector No.	B501
Connector Name	WIRE TO WIRE
Connector Type	MS10FW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
3	G	-
4	G/B	-
5	G/R	-
6	SB	-
8	O	-
9	V	-
10	B	-
11	V/W	-
12	V	-
13	L	-
14	L/B	-
15	L/W	-
17	GR	-
18	GR/B	-
19	GR/R	-
22	B	-

Connector No.	B543
Connector Name	WIRE TO WIRE
Connector Type	TH24FW-NH



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

Connector No.	B548
Connector Name	REAR SEATBACK RELEASE RELAY (LH)
Connector Type	MS02FL-M2-LG



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

Connector No.	B235
Connector Name	WIRE TO WIRE
Connector Type	MS04MW-LG



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

Connector No.	B238
Connector Name	REAR SEATBACK SWITCH (RH)
Connector Type	TK08FW-1V



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

# REAR SEAT BACK POWER RETURN CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

## REAR SEATBACK POWER RETURN SYSTEM

Connector No.	B504
Connector Name	POWER RETURN MOTOR ASSEMBLY (RH)
Connector Type	8085-0245



Terminal No.	Color Of Wire	Signal Name [Specification]
17	GR	MOTOR SENS BAT
18	GR/B	MOTOR SENS L
19	GR/R	MOTOR SENS R
20	LG	MOTOR SENS GND
21	LG/B	-

Connector No.	B505
Connector Name	PRIMARY POSITION LIMIT SWITCH (RH)
Connector Type	TK02FW



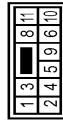
Terminal No.	Color Of Wire	Signal Name [Specification]
14	L/B	-
15	L/W	-

Connector No.	B506
Connector Name	REAR SEATBACK LOCK ASSEMBLY (RH)
Connector Type	NS04FW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
12	W	-
13	W	-
14	L/B	-
22	B	-

Connector No.	B510
Connector Name	WIRE TO WIRE
Connector Type	NS10MW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG/B	-
2	LG	-
3	GR	-
4	GR/B	-
5	GR/R	-
6	L/W	-
8	L	-
9	L/B	-
10	B	-
11	W	-

Connector No.	B511
Connector Name	POWER RETURN MOTOR ASSEMBLY (LH)
Connector Type	8085-0245



Terminal No.	Color Of Wire	Signal Name [Specification]
1	LG/B	-
2	GR	-
3	GR	MOTOR SENS BAT
4	GR/B	MOTOR SENS SIGNAL
5	GR/R	MOTOR SENS GND

Connector No.	B512
Connector Name	PRIMARY POSITION LIMIT SWITCH (LH)
Connector Type	TK02FW



Terminal No.	Color Of Wire	Signal Name [Specification]
6	L/W	-
9	L/B	-

Connector No.	B513
Connector Name	REAR SEATBACK LOCK ASSEMBLY (LH)
Connector Type	NS04FW-CS



Terminal No.	Color Of Wire	Signal Name [Specification]
8	L	-
9	L/B	-
10	B	-
11	W	-

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



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

JRJWC5642GB

# REAR SEAT BACK POWER RETURN CONTROL UNIT

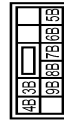
## < ECU DIAGNOSIS INFORMATION >

### REAR SEATBACK POWER RETURN SYSTEM

20	BG	-
21	BR	- [Without DCC] - [With DCC]
22	L	- [Without DCC] - [With DCC]
23	G	- [Without DCC] - [With DCC]
24	P	-
25	Y	-
26	V	-
27	W	-
28	G	-
31	BG	-
32	W	-
33	B	-
34	R	-
35	G	-
36	SHIELD	-
37	Y	-
38	BR	-
39	BG	-
41	W	-
42	G	-
43	BR	-
45	W	-
49	L	-
50	P	-
51	L	-
54	BG	-
57	BR	-
60	W	-
61	G	-
62	LG	-
63	W	-
64	B	-
65	G	-
66	R	-
67	SHIELD	-
68	G	-
69	LG	-
70	W	-
71	R	-
72	Y	-
73	B	- [Without DCC] - [With DCC]
74	BR	- [Without DCC] - [With DCC]
75	G	- [Without DCC] - [With DCC]
76	W	- [Without DCC] - [With DCC]
77	P	- [Without DCC] - [With DCC]

78	BR	- [Without DCC] - [With DCC]
79	L	- [Without DCC] - [With DCC]
80	SB	-
81	R	-
82	SB	-
83	BG	-
84	G	-
85	L	-
86	P	-
87	V	-
88	GR	-
89	SHIELD	-
90	Y	-
92	Y	-
93	V	-
94	LG	-
95	BG	-
96	P	-
97	R	-
98	SHIELD	-
99	L	-
100	P	-

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



Terminal No.	Color	Wire	Signal Name [Specification]
88	P	-	-
89	G	-	-
90	Y	-	-
91	P	-	-
92	R	-	-
93	SHIELD	-	-
94	BG	-	-
95	SB	-	-

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS (8-TM)



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

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

# REAR SEAT BACK POWER RETURN CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

## REAR SEATBACK POWER RETURN SYSTEM

88	SHIELD	
89	W	
100	SB	

Connector No.	M66
Connector Name	UNIFIED METER AND A/C AMP.
Connector Type	TH46PW-NH



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

Connector No.	M67
Connector Name	UNIFIED METER AND A/C AMP.
Connector Type	TH132PW-NH



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

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

Terminal No.	Color Of Wire	Signal Name [Specification]
5	L	MANUAL MODE SHIFT UP SIGNAL
7	GR	COMMUNICATION SIGNAL (AMP->METER)
8	L	VEHICLE SPEED SIGNAL (2-PULSE)
9	SB	SEAT BELT BUOULE SWITCH SIGNAL (DRIVER SIDE)
10	W	MANUAL MODE SIGNAL
11	G	NON-MANUAL MODE SIGNAL
14	BR	COMMUNICATION SIGNAL (LCD->AMP)
20	L	ION ON/OFF SIGNAL
23	Y	AT SNOW SWITCH SIGNAL
25	V	MANUAL MODE SHIFT DOWN SIGNAL
26	LG	COMMUNICATION SIGNAL (AMP->METER)
28	R	VEHICLE SPEED SIGNAL (2-PULSE)
30	V	PARKING BRAKE SWITCH SIGNAL
34	Y	COMMUNICATION SIGNAL (AMP->LCD)
38	P	BLOWER MOTOR CONTROL SIGNAL

Connector No.	M17
Connector Name	WIRE TO WIRE
Connector Type	TH500WH-CS16-TM4



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

Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	
2	LG	
3	GR	
4	SB	
7	W	
10	W	
15	SB	
16	V	
17	BR	
20	BR	
27	LG	
28	Y	
29	Y	
30	V	
31	RG	
32	RG	
33	C	
51	R	
55	W	
56	B	
57	R	
58	G	
59	SHIELD	
60	V	
61	LG	
62	BR	
63	L	
64	LG	
65	B	
67	W	
68	SHIELD	
69	V	
70	Y	
71	SB	
72	W	

73	G	
75	W	
80	V	
81	SB	
82	V	
83	P	
84	R	
85	L	
86	BG	
87	L	
88	P	
91	V	
92	G	
94	G	
95	W	
97	V	
98	BR	
99	P	
99	V	
100	L	
100	SB	

Connector No.	M125
Connector Name	WIRE TO WIRE
Connector Type	M35PW-LG







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

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

# REAR SEAT BACK POWER RETURN CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

REAR SEATBACK POWER RETURN SYSTEM			
Connector No.	MT26	MT70	
Connector Name	WIRE TO WIRE	WIRE TO WIRE	
Connector Type	M33MW-LG	TH24FW-NH	
			
Terminal No.	1	12 11 10 9 8 7 6 5 4 3 2 1	
Color Of Wire	W		
Signal Name [Specification]			
Terminal No.	2	24 23 22 21 20 19 18 17 16 15 14 13	
Color Of Wire	Y		
Signal Name [Specification]			
Terminal No.	3		
Color Of Wire	R		
Signal Name [Specification]			
Connector No.	MT134		
Connector Name	WIRE TO WIRE		
Connector Type	TH24MW-NH		
			
Terminal No.	1	12 11 10 9 8 7 6 5 4 3 2 1	
Color Of Wire	W		
Signal Name [Specification]			
Terminal No.	2	24 23 22 21 20 19 18 17 16 15 14 13	
Color Of Wire	Y		
Signal Name [Specification]			
Terminal No.	3		
Color Of Wire	R		
Signal Name [Specification]			
Connector No.	MT174		
Connector Name	POWER RETURN SWITCH (LH)		
Connector Type	TK04FW		
			
Terminal No.	1	12 11 10 9 8 7 6 5 4 3 2 1	
Color Of Wire	R		
Signal Name [Specification]			
Terminal No.	2	24 23 22 21 20 19 18 17 16 15 14 13	
Color Of Wire	BR		
Signal Name [Specification]			
Terminal No.	3		
Color Of Wire	B		
Signal Name [Specification]			
Terminal No.	4		
Color Of Wire	B		
Signal Name [Specification]			
Terminal No.	5		
Color Of Wire	R		
Signal Name [Specification]			
Terminal No.	6		
Color Of Wire	V		
Signal Name [Specification]			
Terminal No.	7		
Color Of Wire	B		
Signal Name [Specification]			
Terminal No.	8		
Color Of Wire	B		
Signal Name [Specification]			
Terminal No.	9		
Color Of Wire	W		
Signal Name [Specification]			
Terminal No.	10		
Color Of Wire	W		
Signal Name [Specification]			
Terminal No.	11		
Color Of Wire	Y		
Signal Name [Specification]			
Terminal No.	12		
Color Of Wire	P		
Signal Name [Specification]			
Terminal No.	13		
Color Of Wire	G		
Signal Name [Specification]			
Terminal No.	14		
Color Of Wire	Y		
Signal Name [Specification]			
Terminal No.	15		
Color Of Wire	Y		
Signal Name [Specification]			
Terminal No.	16		
Color Of Wire	P		
Signal Name [Specification]			
Terminal No.	17		
Color Of Wire	B		
Signal Name [Specification]			
Terminal No.	18		
Color Of Wire	L		
Signal Name [Specification]			
Terminal No.	19		
Color Of Wire	Y		
Signal Name [Specification]			
Terminal No.	20		
Color Of Wire	L		
Signal Name [Specification]			

JRJWC5645GB

INFOID:0000000010597875

## Fail-safe

Even if the automatic return control is inactivated, the fold-down and manual return operations can be performed



# REAR SEAT BACK POWER RETURN CONTROL UNIT

## < ECU DIAGNOSIS INFORMATION >

Possible location of malfunction	Diagnosis mode	Corrective action
Return complete limit switch "ON" malfunction	The return completion position cannot be detected	Detect the lock with the rear seatback power return control unit, and then reverse the power return motor
Return complete limit switch "OFF" malfunction	The automatic return cannot be performed because the return completion position is mis-recognized	The manual return operation can be performed
Primary position limit switch "ON" malfunction	The initial position of the sector gear cannot be detected	Detect the lock with the rear seatback power return control unit, and then stop the power return motor * If the above condition is repeated for 4 times, stop the subsequent automatic return operation. However, the manual return operation can be performed
Primary position limit switch "OFF" malfunction	The initial position of the sector gear is mis-recognized (The sector gear reverse operation cannot be performed)	<ul style="list-style-type: none"> <li>Return the sector gear to the initial position if the primary position limit switch is not turned to ON after starting the return (Lock detection)</li> <li>The manual return operation can be performed</li> </ul>
Sensor malfunction (fixed to High or Low)	The motor lock is mis-recognized because the pulse does not change	<ul style="list-style-type: none"> <li>If the pulse does not change completely after starting the motor operation, return the sector gear to the initial position</li> <li>The manual return operation can be performed</li> </ul>

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

SE

# HEATED SEAT CONTROL UNIT

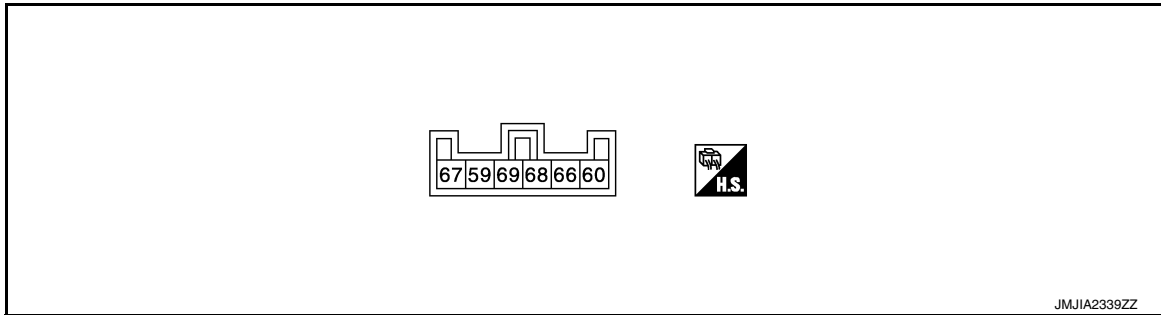
< ECU DIAGNOSIS INFORMATION >

## HEATED SEAT CONTROL UNIT

Reference Value

INFOID:0000000010597876

### TERMINAL LAYOUT



### PHYSICAL VALUES

Terminal No. (Wire color)		Description		Condition		Voltage (V) (Approx.)
(+)	(-)	Signal name	Input/ Output			
59 (Y)	Ground	Ground	—	—	—	0
60 (Y/R)	Ground	IGN power supply	Input	Ignition switch	OFF or ACC	0
					ON	Battery voltage
66 (B)	Ground	Heated seat operation signal	Input	Heated seat	Operate	Battery voltage
					Other than the above	0
67 (L)	Ground	Heated seat switch signal	Input	Heated seat switch	OFF	0
					1 (Min. temperature)	12.24
					2	12.33
					3	12.49
					4	12.63
					5	12.76
					6 (Max. temperature)	12.90
68 (R/W)	Ground	Seat cushion heater power supply	Output	Heated seat	Operate	0 – Battery voltage*
					Other than the above	0
69 (R)	Ground	Heat sensor signal	Input	Heated seat switch	OFF	0
					1 (Min. temperature)	10.87 – 11.02*
					2	10.93 – 11.07*
					3	11.04 – 11.17*
					4	11.13 – 11.26*
					5	11.22 – 11.34*
					6 (Max. temperature)	11.31 – 11.43*

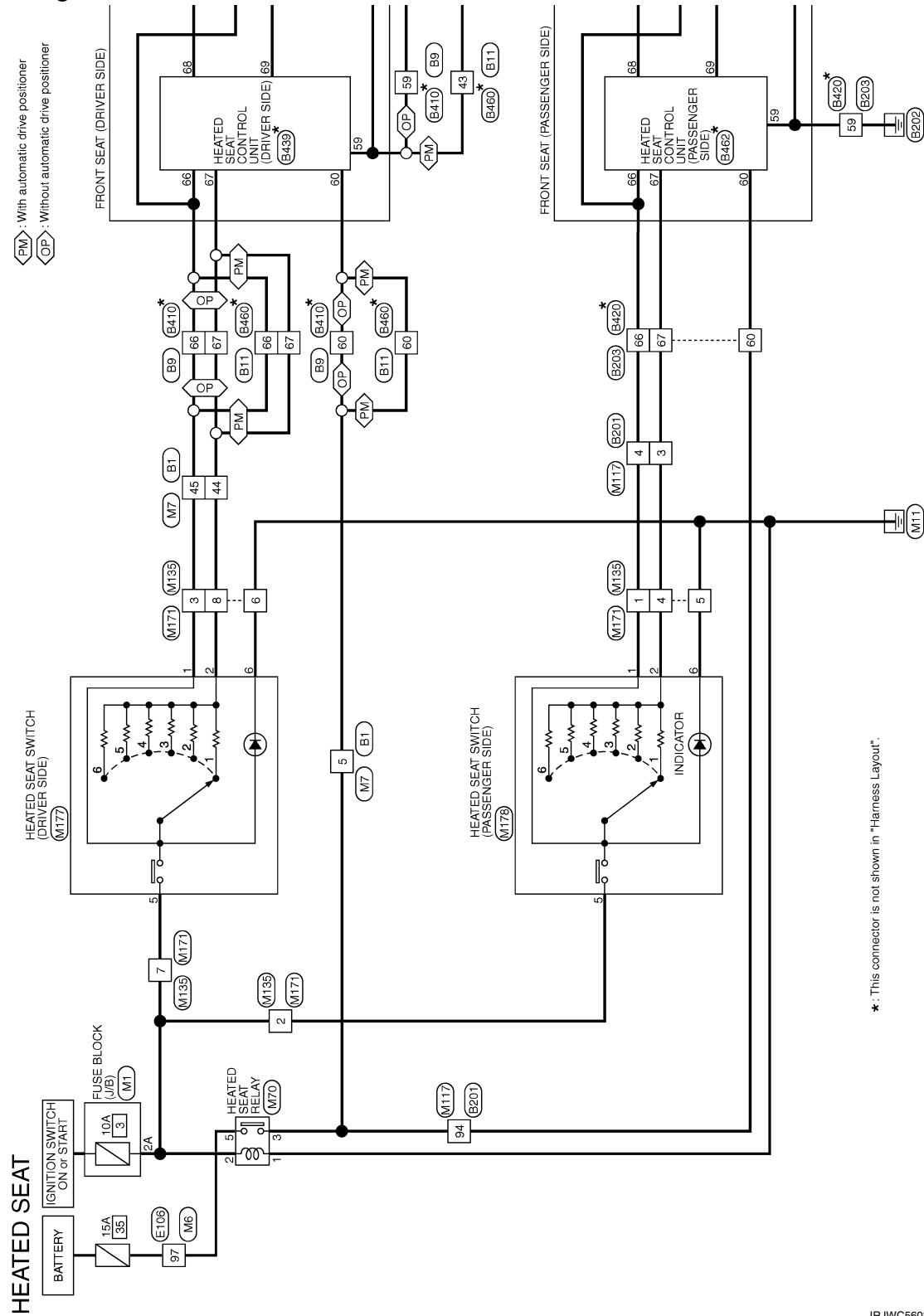
\*: Voltage is repeated within the value shown as per the following list depending on heater unit temperature.

# HEATED SEAT CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

## Wiring Diagram - HEATED SEAT SYSTEM -

INFOID:000000010597877



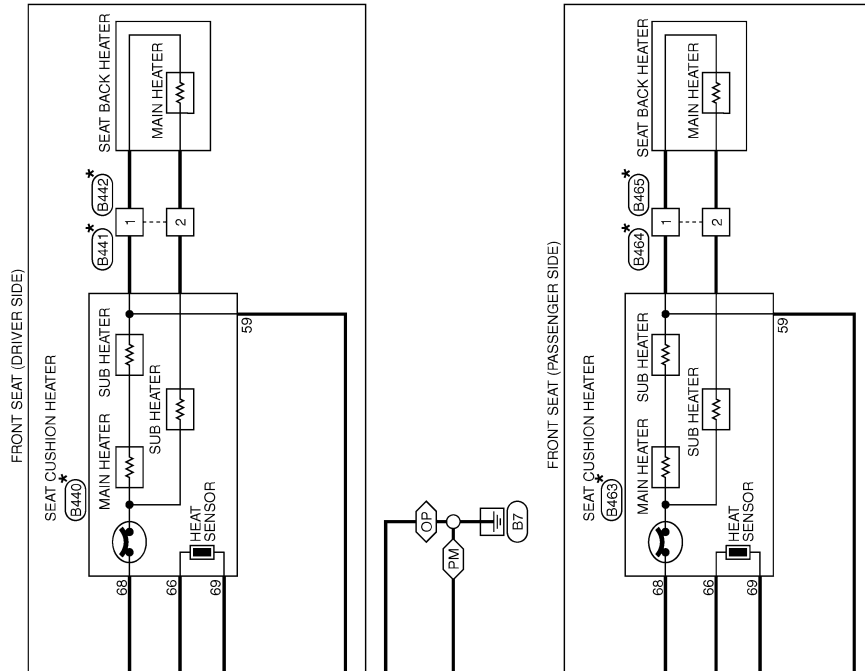
2014/03/21

JRJWC5603GB

# HEATED SEAT CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

PM : With automatic drive positioner  
OP : Without automatic drive positioner



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

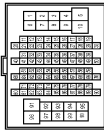
JRJWC5604GB

# HEATED SEAT CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

## HEATED SEAT

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



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

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

Connector No.	B8
Connector Name	WIRE TO WIRE
Connector Type	MR8FW-LC



Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	-
2	B	-
59	B	-
60	G	-
66	GR	-
67	Y	-

Connector No.	B11
Connector Name	WIRE TO WIRE
Connector Type	NS16FW-CS

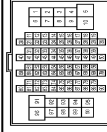


28	21	5	17	43	3	19		
23	7	33	22	32	6	66	60	67

Terminal No.	Color Of Wire	Signal Name [Specification]
3	L	-
5	R	-
6	SB	-
7	P	-
17	Y	-
19	P	-
21	V	-
23	LG	-
28	R	-
32	B	-
33	R	-
43	B	-

60	G	-
69	GR	-
67	Y	-

Connector No.	B201
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4



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

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

# HEATED SEAT CONTROL UNIT

## < ECU DIAGNOSIS INFORMATION >

### HEATED SEAT

Connector No.	B410
Connector Name	WIRE TO WIRE
Connector Type	NS308MW



Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	Ground
2	B	IGN power supply
59	Y/R	Heated seat switch signal
60	Y/R	Heated seat switch signal
66	B	Heater unit power supply
67	L	Heat sensor signal

Connector No.	B420
Connector Name	WIRE TO WIRE
Connector Type	NS308MW



Terminal No.	Color Of Wire	Signal Name [Specification]
1	R	Ground
2	B	IGN power supply
59	Y/R	Heated seat switch signal
60	Y/R	Heated seat switch signal
66	B	Heater unit power supply
67	L	Heat sensor signal

Connector No.	B203
Connector Name	WIRE TO WIRE
Connector Type	M02FW-LC



Terminal No.	Color Of Wire	Signal Name [Specification]
59	B	Ground
60	B	IGN power supply
1	B	Heated seat switch signal
60	R	Heater unit power supply
67	GR	Heat sensor signal

Connector No.	B439
Connector Name	HEATED SEAT CONTROL UNIT (DRIVER SIDE)
Connector Type	174923-1



Terminal No.	Color Of Wire	Signal Name [Specification]
59	Y/R	Ground
60	B	IGN power supply
66	B	Heated seat switch signal
67	L	Heated seat switch signal
68	R/W	Heater unit power supply
69	R	Heat sensor signal

Connector No.	B440
Connector Name	SEAT CUSHION HEATER
Connector Type	S04FW



Terminal No.	Color Of Wire	Signal Name [Specification]
59	Y	Ground
66	B	IGN power supply
68	R/W	Heater unit power supply
69	R	Heat sensor signal

Connector No.	B441
Connector Name	WIRE TO WIRE
Connector Type	M02FW-LC



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

Connector No.	B442
Connector Name	WIRE TO WIRE
Connector Type	M02MW-LC



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

# HEATED SEAT CONTROL UNIT

## < ECU DIAGNOSIS INFORMATION >

### HEATED SEAT

Connector No.	B460
Connector Name	WIRE TO WIRE
Connector Type	MS2MM-CS



19	3	43	17	5	21	23
67	60	66	6	32	42	33
7	23					

Terminal No.	Color Of Wire	Signal Name [Specification]
3	R/Y	-
5	-	-
7	-	-
17	Y/R	-
19	V	-
21	L/Y	-
22	-	-
23	-	-
28	-	-
32	B/W	-
33	R	-
43	-	-
60	Y/R	-
66	B	-
67	L	-

Connector No.	B462
Connector Name	HEATED SEAT CONTROL UNIT (PASSENGER SIDE)
Connector Type	174823-1



67	69	63	68	60
----	----	----	----	----

Terminal No.	Color Of Wire	Signal Name [Specification]
59	Y	Ground
60	Y/R	IGN power supply
66	B	Heated seat operation signal
67	L	Heated seat switch signal

68	R/W	Heater unit power supply
69	R	Heater sensor signal

Connector No.	B463
Connector Name	SEAT CUSHION HEATER
Connector Type	SG4FW



66	59	63	68
----	----	----	----

Terminal No.	Color Of Wire	Signal Name [Specification]
59	Y	-
66	B	-
68	R/W	-
69	R	-

Connector No.	B464
Connector Name	WIRE TO WIRE
Connector Type	MS2FW-LG



1	2
---	---

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

Connector No.	B465
Connector Name	WIRE TO WIRE
Connector Type	MS2MM-LG



1	2
---	---

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

Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	THB5FW-CS (E-TM4)



66	59	63	68
----	----	----	----

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

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

# HEATED SEAT CONTROL UNIT

## < ECU DIAGNOSIS INFORMATION >

### HEATED SEAT

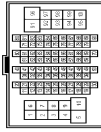
79	Y	- [Without ICG]
80	SB	- [With ICG]
81	R	-
82	SB	-
83	BG	-
84	G	-
85	L	-
86	P	-
87	V	-
89	GR	-
90	SHIELD	-
91	W	-
92	Y	-
93	V	-
94	LG	-
95	BG	-
96	P	-
97	R	-
98	SHIELD	-
99	L	-
100	P	-

Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NSD5FY-M2



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

Connector No.	M5
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4





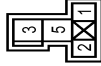
# HEATED SEAT CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

## HEATED SEAT

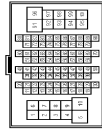
39	Y	-
40	SB	-
41	W	-
42	GR	-
43	GR	-
44	LG	-
45	SB	-
46	LG	-
47	SB	-
48	BG	-
49	R	-
50	L	-
51	P	-
52	L	-
53	SHIELD	-
54	R	-
55	G	-
56	SHIELD	-
57	SB	-
58	Y	-
59	LG	-
60	SHIELD	-
61	W	-
62	G	-
63	R	-
64	G	-
65	SHIELD	-
66	W	-
67	SB	-
68	Y	-
69	LG	-
70	SHIELD	-
71	W	-
72	G	-
73	R	-
74	W	-
75	W	-
76	W	-
77	B	-
78	P	-
79	GR	-
80	EG	-
81	GR	-
82	G	-
83	Y	-
84	W	-
85	BR	-
86	EG	-
87	V	-
88	BR	-
89	BR	-
90	EG	-
91	G	-
92	V	-
93	BR	-
94	V	-
95	G	-
96	Y	-
97	W	-
98	W	-
99	R	-

Connector No.	M170
Connector Name	HEATED SEAT RELAY
Connector Type	MS20FL-M2-LG



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

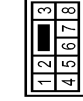
Connector No.	M117
Connector Name	WIRE TO WIRE
Connector Type	TH80MM-CS16-TM4



Terminal No.	Color Of Wire	Signal Name [Specification]
1	L	-
2	G	-
3	GR	-
4	SB	-
7	W	-
10	W	-
13	SB	-
16	V	-
17	BR	-
26	GR	-
27	LG	-
28	Y	-
29	V	-
30	V	-
31	R	-
32	BR	-

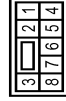
33	G	-
34	W	-
35	W	-
36	B	-
37	R	-
38	G	-
39	SHIELD	-
40	V	-
41	LG	-
42	BR	-
43	L	-
44	LG	-
45	B	-
46	R	-
47	W	-
48	SHIELD	-
49	Y	-
50	Y	-
51	SB	-
52	W	-
53	G	-
54	V	-
55	W	-
56	V	-
57	SB	-
58	P	-
59	P	-
60	V	-
61	G	-
62	G	-
63	W	-
64	V	-
65	G	-
66	W	-
67	V	-
68	P	-
69	P	-
70	L	-
71	SB	-
72	W	-
73	G	-
74	W	-
75	W	-
76	V	-
77	SB	-
78	V	-
79	P	-
80	R	-
81	L	-
82	L	-
83	P	-
84	R	-
85	L	-
86	P	-
87	P	-
88	P	-
89	V	-
90	G	-
91	G	-
92	G	-
93	W	-
94	G	-
95	W	-
96	G	-
97	Y	-
98	BR	-
99	P	-
100	V	-
101	L	-
102	SB	-

Connector No.	M135
Connector Name	WIRE TO WIRE
Connector Type	NS20MBR-CS



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

Connector No.	M171
Connector Name	WIRE TO WIRE
Connector Type	NS20MBR-CS



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

HEATED SEAT CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

HEATED SEAT		
Connector No.	M177	
Connector Name	HEATED SEAT SWITCH (DRIVER SIDE)	
Connector Type	TK10FW	



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

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



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

JRJCWC5639GB

# REAR SEATBACK POWER RETURN SYSTEM DOES NOT OPERATE

< SYMPTOM DIAGNOSIS >

## SYMPTOM DIAGNOSIS

REAR SEATBACK POWER RETURN SYSTEM DOES NOT OPERATE  
BOTH SIDES

BOTH SIDES : Diagnosis Procedure

INFOID:0000000010597878

### 1. CHECK POWER SUPPLY AND GROUND CIRCUIT

Check power supply and ground circuit.

Refer to [SE-16. "REAR SEATBACK POWER RETURN CONTROL UNIT : Diagnosis Procedure"](#).

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

### 2. CHECK VEHICLE SPEED SIGNAL CIRCUIT

Check vehicle speed signal circuit.

Refer to [SE-45. "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-45. "Intermittent Incident"](#).

NO >> GO TO 1.

LH

LH : Diagnosis Procedure

INFOID:0000000010597879

### 1. PERFORM POWER RETURN SWITCH AND REAR SEATBACK SWITCH

Perform power return switch and rear seatback switch.

From which power return switch (or rear seatback switch) does the seat return operation occur?

POWER RETURN SWITCH >> GO TO 2.

REAR SEATBACK SWITCH >> GO TO 3.

BOTH SIDES >> GO TO 4.

### 2. CHECK POWER RETURN SWITCH (LH)

Check power return switch (LH).

Refer to [SE-21. "LH : Component Function Check"](#).

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace the malfunctioning parts.

### 3. CHECK REAR SEATBACK SWITCH (LH)

Check rear seatback switch (LH).

Refer to [SE-25. "LH : Component Function Check"](#).

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace the malfunctioning parts.

### 4. CHECK POWER RETURN MOTOR (LH)

Check power return motor (LH).

Refer to [SE-42. "LH : Component Function Check"](#).

Is the inspection result normal?

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

SE

# REAR SEATBACK POWER RETURN SYSTEM DOES NOT OPERATE

## < SYMPTOM DIAGNOSIS >

---

- YES >> GO TO 5.  
NO >> Repair or replace the malfunctioning parts.

### 5.CHECK RETURN COMPLETE LIMIT SWITCH (LH)

---

Check return complete limit switch (LH).  
Refer to [SE-33, "LH : Component Function Check"](#).

Is the inspection result normal?

- YES >> GO TO 6.  
NO >> Repair or replace the malfunctioning parts.

### 6.CONFIRM THE OPERATION

---

Confirm the operation again.

Is the inspection result normal?

- YES >> Check intermittent incident. Refer to [GI-45, "Intermittent Incident"](#).  
NO >> GO TO 1.

RH

## RH : Diagnosis Procedure

INFOID:0000000010597880

### 1.PERFORM POWER RETURN SWITCH AND REAR SEATBACK SWITCH

---

Perform power return switch and rear seatback switch.

From which power return switch (or rear seatback switch) does the seat return operation occur?

- POWER RETURN SWITCH>>GO TO 2.  
REAR SEATBACK SWITCH>>GO TO 3.  
BOTH SIDES>>GO TO 4.

### 2.CHECK POWER RETURN SWITCH (RH)

---

Check power return switch (RH).  
Refer to [SE-22, "RH : Component Function Check"](#).

Is the inspection result normal?

- YES >> GO TO 4.  
NO >> Repair or replace the malfunctioning parts.

### 3.CHECK REAR SEATBACK SWITCH (RH)

---

Check rear seatback switch (RH).  
Refer to [SE-26, "RH : Component Function Check"](#).

Is the inspection result normal?

- YES >> GO TO 4.  
NO >> Repair or replace the malfunctioning parts.

### 4.CHECK POWER RETURN MOTOR (RH)

---

Check power return motor (RH).  
Refer to [SE-43, "RH : Component Function Check"](#).

Is the inspection result normal?

- YES >> GO TO 5.  
NO >> Repair or replace the malfunctioning parts.

### 5.CHECK RETURN COMPLETE LIMIT SWITCH (RH)

---

Check return complete limit switch (RH).  
Refer to [SE-34, "RH : Component Function Check"](#).

Is the inspection result normal?

- YES >> GO TO 6.  
NO >> Repair or replace the malfunctioning parts.

### 6.CONFIRM THE OPERATION

---

Confirm the operation again.

Is the inspection result normal?

## REAR SEATBACK POWER RETURN SYSTEM DOES NOT OPERATE

### < SYMPTOM DIAGNOSIS >

---

YES >> Check intermittent incident. Refer to [GI-45. "Intermittent Incident"](#).  
NO >> GO TO 1.

A

B

C

D

E

F

G

H

I

SE

K

L

M

N

O

P

# MALFUNCTION DETECTION BUZZER SOUNDS DURING POWER RETURN MOTOR INVERSE ROTATION

< SYMPTOM DIAGNOSIS >

## MALFUNCTION DETECTION BUZZER SOUNDS DURING POWER RETURN MOTOR INVERSE ROTATION

LH

### LH : Diagnosis Procedure

INFOID:0000000010597881

#### 1.CHECK RETURN COMPLETE LIMIT SWITCH (LH)

Check return complete limit switch (LH).

Refer to [SE-33, "LH : Component Function Check"](#).

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

#### 2.CHECK PRIMARY POSITION LIMIT SWITCH (LH)

Check primary position limit switch (LH).

Refer to [SE-29, "LH : Component Function Check"](#).

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace the malfunctioning parts.

#### 3.CHECK POWER RETURN MOTOR (LH)

Check power return motor (LH).

Refer to [SE-42, "LH : 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-45, "Intermittent Incident"](#).

NO >> GO TO 1.

RH

### RH : Diagnosis Procedure

INFOID:0000000010597882

#### 1.CHECK RETURN COMPLETE LIMIT SWITCH (RH)

Check return complete limit switch (RH).

Refer to [SE-34, "RH : Component Function Check"](#).

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

#### 2.CHECK PRIMARY POSITION LIMIT SWITCH (RH)

Check primary position limit switch (RH).

Refer to [SE-30, "RH : Component Function Check"](#).

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace the malfunctioning parts.

#### 3.CHECK POWER RETURN MOTOR (RH)

Check power return motor (RH).

Refer to [SE-43, "RH : Component Function Check"](#).

Is the inspection result normal?

YES >> GO TO 4.

MALFUNCTION DETECTION BUZZER SOUNDS DURING POWER RETURN MO-  
TOR INVERSE ROTATION

< SYMPTOM DIAGNOSIS >

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-45, "Intermittent Incident"](#).

NO     >> GO TO 1.

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

SE

# DOES NOT RETURN BUT MALFUNCTION DETECTION BUZZER SOUNDS

< SYMPTOM DIAGNOSIS >

## DOES NOT RETURN BUT MALFUNCTION DETECTION BUZZER SOUNDS

LH

### LH : Diagnosis Procedure

INFOID:0000000010597883

#### 1.CHECK PRIMARY POSITION LIMIT SWITCH (LH)

Check primary position limit switch (LH).

Refer to [SE-29, "LH : Component Function Check"](#).

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

#### 2.CHECK MOTOR SENSOR (LH)

Check motor sensor (LH).

Refer to [SE-37, "LH : 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-45, "Intermittent Incident"](#).

NO >> GO TO 1.

RH

### RH : Diagnosis Procedure

INFOID:0000000010597884

#### 1.CHECK PRIMARY POSITION LIMIT SWITCH (RH)

Check primary position limit switch (RH).

Refer to [SE-29, "LH : Component Function Check"](#).

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

#### 2.CHECK MOTOR SENSOR (RH)

Check motor sensor (RH).

Refer to [SE-39, "RH : 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-45, "Intermittent Incident"](#).

NO >> GO TO 1.



# ANTI-PINCH FUNCTION DOES NOT OPERATE

< SYMPTOM DIAGNOSIS >

## ANTI-PINCH FUNCTION DOES NOT OPERATE

### Diagnosis Procedure

INFOID:000000010597885

#### 1.CHECK MOTOR SENSOR (LH)

Check motor sensor (LH).

Refer to [SE-37, "LH : Component Function Check"](#).

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

#### 2.CHECK MOTOR SENSOR (RH)

Check motor sensor (RH).

Refer to [SE-39, "RH : Component Function Check"](#).

Is the inspection result normal?

YES >> Replace rear seatback power return control unit. Refer to [SE-148, "Removal and Installation"](#).

NO >> Repair or replace the malfunctioning parts.

# HEATED SEAT DOES NOT OPERATE

< SYMPTOM DIAGNOSIS >

## HEATED SEAT DOES NOT OPERATE BOTH SIDES

### BOTH SIDES : Diagnosis Procedure

INFOID:0000000010597886

#### 1.CHECK HEATED SEAT SWITCH POWER SUPPLY

Check heated seat switch power supply.

Refer to [SE-18, "HEATED SEAT SWITCH : Diagnosis Procedure"](#).

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

#### 2.CHECK HEATED SEAT RELAY

Check heated seat relay.

Refer to [SE-51, "Component Function Check"](#).

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace the malfunctioning parts.

#### 3.CHECK HEATED SEAT CONTROL UNIT POWER SUPPLY AND GROUND CIRCUIT

Check heated seat switch power supply and ground circuit.

Refer to [SE-16, "HEATED SEAT CONTROL UNIT : Diagnosis Procedure"](#).

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-45, "Intermittent Incident"](#).

NO >> GO TO 1.

## DRIVER SIDE

### DRIVER SIDE : Diagnosis Procedure

INFOID:0000000010597887

#### 1.CHECK HEATED SEAT SWITCH POWER SUPPLY

Check heated seat switch power supply.

Refer to [SE-18, "HEATED SEAT SWITCH : Diagnosis Procedure"](#).

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

#### 2.CHECK HEATED SEAT CONTROL UNIT POWER SUPPLY AND GROUND CIRCUIT

Check heated seat switch power supply and ground circuit.

Refer to [SE-16, "HEATED SEAT CONTROL UNIT : Diagnosis Procedure"](#).

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace the malfunctioning parts.

#### 3.CHECK HEATED SEAT SWITCH

Check heated seat switch.

Refer to [SE-47, "DRIVER SIDE : Component Function Check"](#).

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace the malfunctioning parts.

# HEATED SEAT DOES NOT OPERATE

## < SYMPTOM DIAGNOSIS >

### 4.CHECK SEAT CUSHION HEATER

Check seat cushion heater.

Refer to [SE-58. "DRIVER SIDE : Component Function Check"](#).

Is the inspection result normal?

YES >> GO TO 5.

NO >> Repair or replace the malfunctioning parts.

### 5.CONFIRM THE OPERATION

Confirm the operation again.

Is the inspection result normal?

YES >> Check intermittent incident. Refer to [GI-45. "Intermittent Incident"](#).

NO >> GO TO 1.

## PASSENGER SIDE

### PASSENGER SIDE : Diagnosis Procedure

INFOID:0000000010597888

### 1.CHECK HEATED SEAT SWITCH POWER SUPPLY

Check heated seat switch power supply.

Refer to [SE-18. "HEATED SEAT SWITCH : Diagnosis Procedure"](#).

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

### 2.CHECK HEATED SEAT CONTROL UNIT POWER SUPPLY AND GROUND CIRCUIT

Check heated seat switch power supply and ground circuit.

Refer to [SE-16. "HEATED SEAT CONTROL UNIT : Diagnosis Procedure"](#).

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace the malfunctioning parts.

### 3.CHECK HEATED SEAT SWITCH

Check heated seat switch.

Refer to [SE-48. "PASSENGER SIDE : Component Function Check"](#).

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace the malfunctioning parts.

### 4.CHECK SEAT CUSHION HEATER

Check seat cushion heater.

Refer to [SE-59. "PASSENGER SIDE : Component Function Check"](#).

Is the inspection result normal?

YES >> GO TO 5.

NO >> Repair or replace the malfunctioning parts.

### 5.CONFIRM THE OPERATION

Confirm the operation again.

Is the inspection result normal?

YES >> Check intermittent incident. Refer to [GI-45. "Intermittent Incident"](#).

NO >> GO TO 1.

# SEATBACK HEATER ONLY DOES NOT OPERATE

< SYMPTOM DIAGNOSIS >

## SEATBACK HEATER ONLY DOES NOT OPERATE

### DRIVER SIDE

#### DRIVER SIDE : Diagnosis Procedure

INFOID:0000000010597889

#### 1.CHECK SEATBACK HEATER

Check seatback heater.

Refer to [SE-62, "DRIVER SIDE : 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-45, "Intermittent Incident"](#).

NO >> GO TO 1.

### PASSENGER SIDE

#### PASSENGER SIDE : Diagnosis Procedure

INFOID:0000000010597890

#### 1.CHECK SEATBACK HEATER

Check seatback heater.

Refer to [SE-62, "PASSENGER SIDE : 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-45, "Intermittent Incident"](#).

NO >> GO TO 1.

# CANNOT ADJUST HEATED SEAT TEMPERATURE

< SYMPTOM DIAGNOSIS >

## CANNOT ADJUST HEATED SEAT TEMPERATURE DRIVER SIDE

### DRIVER SIDE : Diagnosis Procedure

INFOID:0000000010597891

#### 1.CHECK HEATED SEAT SWITCH

Check heated seat switch.

Refer to [SE-47, "DRIVER SIDE : Component Function Check"](#).

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

#### 2.CHECK HEAT SENSOR

Check heat sensor.

Refer to [SE-53, "DRIVER SIDE : Description"](#).

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-45, "Intermittent Incident"](#).

NO >> Replace heated seat control unit. Refer to [SE-149, "Removal and Installation"](#).

## PASSENGER SIDE

### PASSENGER SIDE : Diagnosis Procedure

INFOID:0000000010597892

#### 1.CHECK HEATED SEAT SWITCH

Check heated seat switch.

Refer to [SE-48, "PASSENGER SIDE : Component Function Check"](#).

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

#### 2.CHECK HEAT SENSOR

Check heat sensor.

Refer to [SE-55, "PASSENGER SIDE : Diagnosis Procedure"](#).

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-45, "Intermittent Incident"](#).

NO >> Replace heated seat control unit. Refer to [SE-149, "Removal and Installation"](#).

# HEATED SEAT SWITCH INDICATOR DOES NOT TURN ON

< SYMPTOM DIAGNOSIS >

## HEATED SEAT SWITCH INDICATOR DOES NOT TURN ON DRIVER SIDE

### DRIVER SIDE : Diagnosis Procedure

INFOID:0000000010597893

#### 1.CHECK HEATED SEAT SWITCH INDICATOR

Check heated seat switch indicator.

Refer to [SE-64, "DRIVER SIDE : 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-45, "Intermittent Incident"](#).

NO >> GO TO 1.

## PASSENGER SIDE

### PASSENGER SIDE : Diagnosis Procedure

INFOID:0000000010597894

#### 1.CHECK HEATED SEAT SWITCH INDICATOR

Check heated seat switch indicator.

Refer to [SE-65, "PASSENGER SIDE : 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-45, "Intermittent Incident"](#).

NO >> GO TO 1.

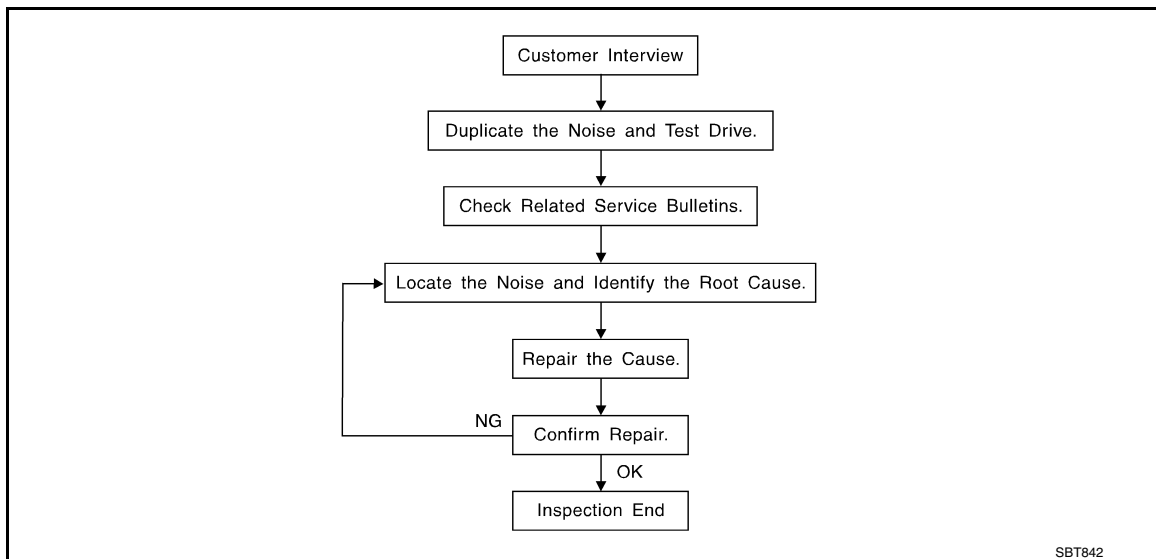
# SQUEAK AND RATTLE TROUBLE DIAGNOSES

< SYMPTOM DIAGNOSIS >

## SQUEAK AND RATTLE TROUBLE DIAGNOSES

### Work Flow

INFOID:000000010597895



### CUSTOMER INTERVIEW

Interview the customer if possible, to determine the conditions that exist when the noise occurs. Use the Diagnostic Worksheet during the interview to document the facts and conditions when the noise occurs and any of customer's comments; refer to [SE-123, "Diagnostic Worksheet"](#). This information is necessary to duplicate the conditions that exist when the noise occurs.

- The customer may not be able to provide a detailed description or the location of the noise. Attempt to obtain all the facts and conditions that exist when the noise occurs (or does not occur).
- If there is more than one noise in the vehicle, perform a diagnosis and repair the noise that the customer is concerned about. This can be accomplished by performing a cruise test on the vehicle with the customer.
- After identifying the type of noise, isolate the noise in terms of its characteristics. The noise characteristics are provided so the customer, service adviser and technician are all speaking the same language when defining the noise.
- Squeak – (Like tennis shoes on a clean floor)  
Squeak characteristics include the light contact/fast movement/brought on by road conditions/hard surfaces = higher pitch noise/softer surfaces = lower pitch noises/edge to surface = chirping
- Creak – (Like walking on an old wooden floor)  
Creak characteristics include firm contact/slow movement/twisting with a rotational movement/pitch dependent on materials/often brought on by activity.
- Rattle – (Like shaking a baby rattle)  
Rattle characteristics include the fast repeated contact/vibration or similar movement/loose parts/missing clip or fastener/incorrect clearance.
- Knock – (Like a knock on a door)  
Knock characteristics include hollow sounding/sometimes repeating/often brought on by driver action.
- Tick – (Like a clock second hand)  
Tick characteristics include gentle contacting of light materials/loose components/can be caused by driver action or road conditions.
- Thump – (Heavy, muffled knock noise)  
Thump characteristics include softer knock/dead sound often brought on by activity.
- Buzz – (Like a bumblebee)  
Buzz characteristics include high frequency rattle/firm contact.
- Often the degree of acceptable noise level will vary depending up on the person. A noise that you may judge as acceptable may be very irritating to the customer.
- Weather conditions, especially humidity and temperature, may have a great effect on noise level.

### DUPLICATE THE NOISE AND TEST DRIVE

If possible, drive the vehicle with the customer until the noise is duplicated. Note any additional information on the Diagnostic Worksheet regarding the conditions or location of the noise. This information can be used to duplicate the same conditions when you confirm the repair.

# SQUEAK AND RATTLE TROUBLE DIAGNOSES

## < SYMPTOM DIAGNOSIS >

If the noise can be duplicated easily during the test drive, to help identify the source of the noise, try to duplicate the noise with the vehicle stopped by doing one or all of the following:

- 1) Close a door.
  - 2) Tap or push/pull around the area where the noise appears to be coming from.
  - 3) Rev the engine.
  - 4) Use a floor jack to recreate vehicle "twist".
  - 5) At idle, apply engine load (electrical load, half-clutch on M/T models, drive position on A/T models).
  - 6) Raise the vehicle on a hoist and hit a tire with a rubber hammer.
- Drive the vehicle and attempt to duplicate the conditions the customer states exist when the noise occurs.
  - If it is difficult to duplicate the noise, drive the vehicle slowly on an undulating or rough road to stress the vehicle body.

## CHECK RELATED SERVICE BULLETINS

After verifying the customer concern or symptom, check ASIST for Technical Service Bulletins (TSBs) related to that concern or symptom.

If a TSB relates to the symptom, follow the procedure to repair the noise.

## LOCATE THE NOISE AND IDENTIFY THE ROOT CAUSE

1. Narrow down the noise to a general area. To help pinpoint the source of the noise, use a listening tool (Chassis Ear: J-39570, Engine Ear and mechanics stethoscope).
2. Narrow down the noise to a more specific area and identify the cause of the noise by:
  - Removing the components in the area that you suspect the noise is coming from.  
Do not use too much force when removing clips and fasteners, otherwise clips and fastener can be broken or lost during the repair, resulting in the creation of new noise.
  - Tapping or pushing/pulling the component that you suspect is causing the noise.  
Do not tap or push/pull the component with excessive force, otherwise the noise will be eliminated only temporarily.
  - Feeling for a vibration with your hand by touching the component(s) that you suspect is (are) causing the noise.
  - Placing a piece of paper between components that you suspect are causing the noise.
  - Looking for loose components and contact marks.  
Refer to [SE-121, "Inspection Procedure"](#).

## REPAIR THE CAUSE

- If the cause is a loose component, tighten the component securely.
- If the cause is insufficient clearance between components:
  - Separate components by repositioning or loosening and retightening the component, if possible.
  - Insulate components with a suitable insulator such as urethane pads, foam blocks, felt cloth tape or urethane tape. A Nissan Squeak and Rattle Kit (J-50397) is available through your authorized Nissan Parts Department.

### CAUTION:

**Do not use excessive force as many components are constructed of plastic and may be damaged.**

### NOTE:

Always check with the Parts Department for the latest parts information.

The following materials are contained in the Nissan Squeak and Rattle Kit (J-50397). Each item can be ordered separately as needed.

URETHANE PADS [1.5 mm (0.059 in) thick]

Insulates connectors, harness, etc.

76268-9E005: 100 × 135 mm (3.94 × 5.31 in)/76884-71L01: 60 × 85 mm (2.36 × 3.35 in)/76884-71L02: 15 × 25 mm (0.59 × 0.98 in)

INSULATOR (Foam blocks)

Insulates components from contact. Can be used to fill space behind a panel.

73982-9E000: 45 mm (1.77 in) thick, 50 × 50 mm (1.97 × 1.97 in)/73982-

50Y00: 10 mm (0.39 in) thick, 50 × 50 mm (1.97 × 1.97 in)

INSULATOR (Light foam block)

80845-71L00: 30 mm (1.18 in) thick, 30 × 50 mm (1.18 × 1.97 in)

FELT CLOTH TAPE

Used to insulate where movement does not occur. Ideal for instrument panel applications.

68370-4B000: 15 × 25 mm (0.59 × 0.98 in) pad/68239-13E00: 5 mm (0.20 in) wide tape roll

The following materials, not found in the kit, can also be used to repair squeaks and rattles.

UHMW (TEFLON) TAPE



# SQUEAK AND RATTLE TROUBLE DIAGNOSES

## < SYMPTOM DIAGNOSIS >

Insulates where slight movement is present. Ideal for instrument panel applications.

### SILICONE GREASE

Used in place of UHMW tape that will be visible or not fit. Will only last a few months.

### SILICONE SPRAY

Use when grease cannot be applied.

### DUCT TAPE

Use to eliminate movement.

## CONFIRM THE REPAIR

Confirm that the cause of a noise is repaired by test driving the vehicle. Operate the vehicle under the same conditions as when the noise originally occurred. Refer to the notes on the Diagnostic Worksheet.

## Inspection Procedure

INFOID:0000000010597896

Refer to Table of Contents for specific component removal and installation information.

## INSTRUMENT PANEL

Most incidents are caused by contact and movement between:

1. The cluster lid A and instrument panel
2. Acrylic lens and combination meter housing
3. Instrument panel to front pillar garnish
4. Instrument panel to windshield
5. Instrument panel mounting pins
6. Wiring harnesses behind the combination meter
7. A/C defroster duct and duct joint

These incidents can usually be located by tapping or moving the components to duplicate the noise or by pressing on the components while driving to stop the noise. Most of these incidents can be repaired by applying felt cloth tape or silicon spray (in hard to reach areas). Urethane pads can be used to insulate wiring harness.

### CAUTION:

**Do not use silicone spray to isolate a squeak or rattle. If you saturate the area with silicone, you will not be able to recheck the repair.**

## CENTER CONSOLE

Components to pay attention to include:

1. Shifter assembly cover to finisher
2. A/C control unit and cluster lid C
3. Wiring harnesses behind audio and A/C control unit

The instrument panel repair and isolation procedures also apply to the center console.

## DOORS

Pay attention to the:

1. Finisher and inner panel making a slapping noise
2. Inside handle escutcheon to door finisher
3. Wiring harnesses tapping
4. Door striker out of alignment causing a popping noise on starts and stops

Tapping or moving the components or pressing on them while driving to duplicate the conditions can isolate many of these incidents. You can usually insulate the areas with felt cloth tape or insulator foam blocks from the Nissan Squeak and Rattle Kit (J-50397) to repair the noise.

## TRUNK

Trunk noises are often caused by a loose jack or loose items put into the trunk by the owner.

In addition look for:

1. Trunk lid dumpers out of adjustment
2. Trunk lid striker out of adjustment
3. The trunk lid torsion bars knocking together
4. A loose license plate or bracket

# SQUEAK AND RATTLE TROUBLE DIAGNOSES

## < SYMPTOM DIAGNOSIS >

---

Most of these incidents can be repaired by adjusting, securing or insulating the item(s) or component(s) causing the noise.

### SUNROOF/HEADLINING

Noises in the sunroof/headlining area can often be traced to one of the following:

1. Sunroof lid, rail, linkage or seals making a rattle or light knocking noise
2. Sunvisor shaft shaking in the holder
3. Front or rear windshield touching headlining and squeaking

Again, pressing on the components to stop the noise while duplicating the conditions can isolate most of these incidents. Repairs usually consist of insulating with felt cloth tape.

### SEATS

When isolating seat noise it's important to note the position the seat is in and the load placed on the seat when the noise is present. These conditions should be duplicated when verifying and isolating the cause of the noise.

Cause of seat noise include:

1. Headrest rods and holder
2. A squeak between the seat pad cushion and frame
3. The rear seatback lock and bracket

These noises can be isolated by moving or pressing on the suspected components while duplicating the conditions under which the noise occurs. Most of these incidents can be repaired by repositioning the component or applying urethane tape to the contact area.

### UNDERHOOD

Some interior noise may be caused by components under the hood or on the engine wall. The noise is then transmitted into the passenger compartment.

Causes of transmitted under hood noise include:

1. Any component mounted to the engine wall
2. Components that pass through the engine wall
3. Engine wall mounts and connectors
4. Loose radiator mounting pins
5. Hood bumpers out of adjustment
6. Hood striker out of adjustment

These noises can be difficult to isolate since they cannot be reached from the interior of the vehicle. The best method is to secure, move or insulate one component at a time and test drive the vehicle. Also, engine RPM or load can be changed to isolate the noise. Repairs can usually be made by moving, adjusting, securing, or insulating the component causing the noise.

# SQUEAK AND RATTLE TROUBLE DIAGNOSES

< SYMPTOM DIAGNOSIS >

## Diagnostic Worksheet

INFOID:000000010597897



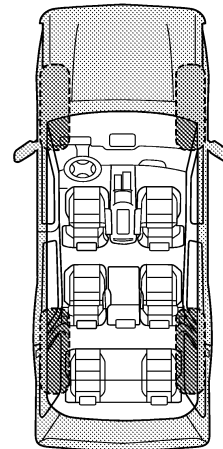
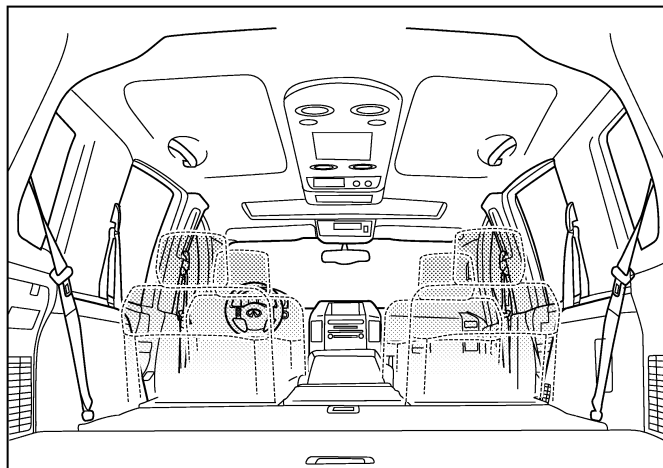
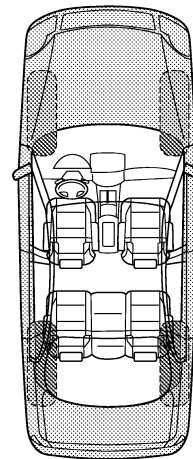
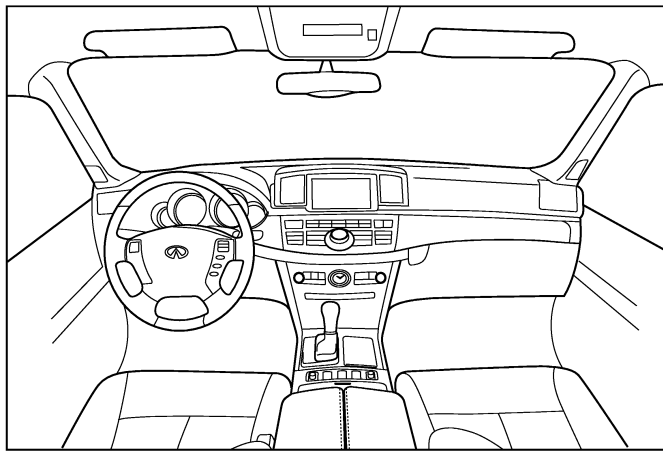
### SQUEAK & RATTLE DIAGNOSTIC WORKSHEET

Dear Infiniti Customer:

We are concerned about your satisfaction with your Infiniti vehicle. Repairing a squeak or rattle sometimes can be very difficult. To help us fix your Infiniti right the first time, please take a moment to note the area of the vehicle where the squeak or rattle occurs and under what conditions. You may be asked to take a test drive with a service consultant or technician to ensure we confirm the noise you are hearing.

#### I. WHERE DOES THE NOISE COME FROM? (circle the area of the vehicle)

The illustrations are for reference only, and may not reflect the actual configuration of your vehicle.



Continue to page 2 of the worksheet and briefly describe the location of the noise or rattle. In addition, please indicate the conditions which are present when the noise occurs.

PIIB8741E

# SQUEAK AND RATTLE TROUBLE DIAGNOSES

< SYMPTOM DIAGNOSIS >

## SQUEAK & RATTLE DIAGNOSTIC WORKSHEET - page 2

Briefly describe the location where the noise occurs:

---

---

### II. WHEN DOES IT OCCUR? (please check the boxes that apply)

- |   |  |
|---|--|
| <input type="checkbox"/> anytime                      | <input type="checkbox"/> after sitting out in the rain |
| <input type="checkbox"/> 1st time in the morning      | <input type="checkbox"/> when it is raining or wet     |
| <input type="checkbox"/> only when it is cold outside | <input type="checkbox"/> dry or dusty conditions       |
| <input type="checkbox"/> only when it is hot outside  | <input type="checkbox"/> other:                        |

### III. WHEN DRIVING:

- ☐ through driveways
- ☐ over rough roads
- ☐ over speed bumps
- ☐ only about \_\_\_\_ mph
- ☐ on acceleration
- ☐ coming to a stop
- ☐ on turns: left, right or either (circle)
- ☐ with passengers or cargo
- ☐ other: \_\_\_\_\_
- ☐ after driving \_\_\_\_ miles or \_\_\_\_ minutes

### IV. WHAT TYPE OF NOISE

- ☐ squeak (like tennis shoes on a clean floor)
- ☐ creak (like walking on an old wooden floor)
- ☐ rattle (like shaking a baby rattle)
- ☐ knock (like a knock at the door)
- ☐ tick (like a clock second hand)
- ☐ thump (heavy, muffled knock noise)
- ☐ buzz (like a bumble bee)

### TO BE COMPLETED BY DEALERSHIP PERSONNEL

#### Test Drive Notes:

---

---

---

	YES	NO	Initials of person performing
Vehicle test driven with customer	<input type="checkbox"/>	<input type="checkbox"/>	_____
- Noise verified on test drive	<input type="checkbox"/>	<input type="checkbox"/>	_____
- Noise source located and repaired	<input type="checkbox"/>	<input type="checkbox"/>	_____
- Follow up test drive performed to confirm repair	<input type="checkbox"/>	<input type="checkbox"/>	_____

VIN: \_\_\_\_\_ Customer Name: \_\_\_\_\_  
W.O.# \_\_\_\_\_ Date: \_\_\_\_\_

This form must be attached to Work Order

PIIB8742E

# PRECAUTIONS

< PRECAUTION >

## PRECAUTION

### PRECAUTIONS

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

INFOID:0000000010597898

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.

#### Precautions for Removing Battery Terminal

INFOID:0000000011007999

- 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.

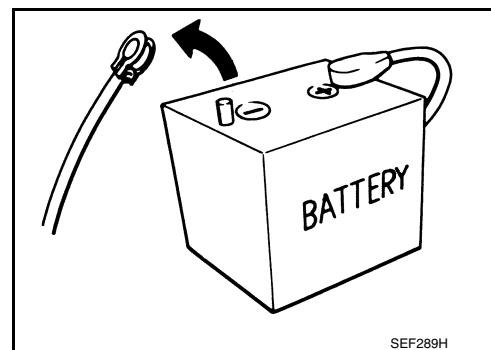
#### **NOTE:**

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.



#### Service Notice

INFOID:0000000010597900

- When removing or installing various parts, place a cloth or padding onto the vehicle body to prevent scratches.
- Handle trim, molding, instruments, grille, etc. carefully during removing or installing. Be careful not to oil or damage them.

# PRECAUTIONS

## < PRECAUTION >

---

- Apply sealing compound where necessary when installing parts.
- When applying sealing compound, be careful that the sealing compound does not protrude from parts.
- When replacing any metal parts (for example body outer panel, members, etc.), be sure to take rust prevention measures.

## Precaution for Work

INFOID:0000000010597901

- When removing or disassembling each component, be careful not to damage or deform it. If a component may be subject to interference, be sure to protect it with a shop cloth.
- When removing (disengaging) components with a screwdriver or similar tool, be sure to wrap the component with a shop cloth or vinyl tape to protect it.
- Protect the removed parts with a shop cloth and keep them.
- Replace a deformed or damaged clip.
- If a part is specified as a non-reusable part, always replace it with new one.
- Be sure to tighten bolts and nuts securely to the specified torque.
- After re-installation is completed, be sure to check that each part works normally.
- Follow the steps below to clean components.
- Water soluble foul: Dip a soft cloth into lukewarm water, and wring the water out of the cloth to wipe the fouled area.  
Then rub with a soft and dry cloth.
- Oily foul: Dip a soft cloth into lukewarm water with mild detergent (concentration: within 2 to 3%), and wipe the fouled area.  
Then dip a cloth into fresh water, and wring the water out of the cloth to wipe the detergent off. Then rub with a soft and dry cloth.
- Do not use organic solvent such as thinner, benzene, alcohol, and gasoline.
- For genuine leather seats, use a genuine leather seat cleaner.

# PREPARATION

< PREPARATION >

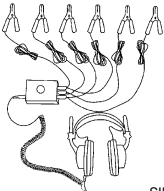
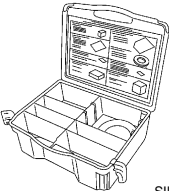
## PREPARATION

### PREPARATION

#### Special Service Tool

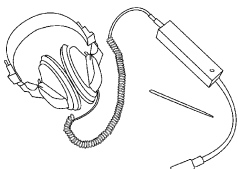
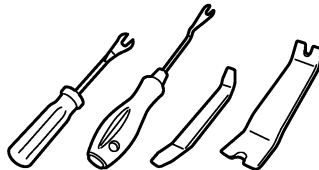
INFOID:0000000010597902

The actual shapes of Kent-Moore tools may differ from those of special service tools illustrated here.

Tool number (Kent-Moore No.) Tool name	Description
(J39570) Chassis ear  SIIA0993E	Locates the noise
(J-50397) NISSAN Squeak and Rattle Kit  SIIA0994E	Repairs the cause of noise

#### Commercial Service Tool

INFOID:0000000010597903

Tool name	Description
Engine ear  SIIA0995E	Locates the noise
Remover tool  JMKIA3050ZZ	Removes the clips, pawls and metal clips

# CLIP LIST

< PREPARATION >

## CLIP LIST

### Clip List

INFOID:0000000010597904

Shapes	Removal & Installation		Shapes	Removal & Installation	
	<b>Removal:</b> Remove by bending up with flat-bladed screwdrivers or clip remover.			<b>Removal:</b> 	
	<b>Removal:</b> Remove with a clip remover.			<b>Removal:</b> Flat-bladed screwdriver Finisher	
	<b>Removal:</b> Push center pin to catching position. (Do not remove center pin by hitting it.)	<b>Installation:</b> Push		<b>Removal:</b> Holder portion of clip must be spread out to remove rod.	
	<b>Removal:</b> Remove by bending up with flat-bladed screwdrivers or clip remover.			<b>Removal:</b> 1. Screw out with a Phillips screwdriver. 2. Remove female portion with flat-bladed screwdriver.	
	<b>Removal:</b> 			<b>Removal:</b> Rotate 45° to remove.	<b>Installation:</b> 
	<b>Removal:</b> 			<b>Removal:</b> 	

JMJIA3734GB



# FRONT SEAT

< REMOVAL AND INSTALLATION >

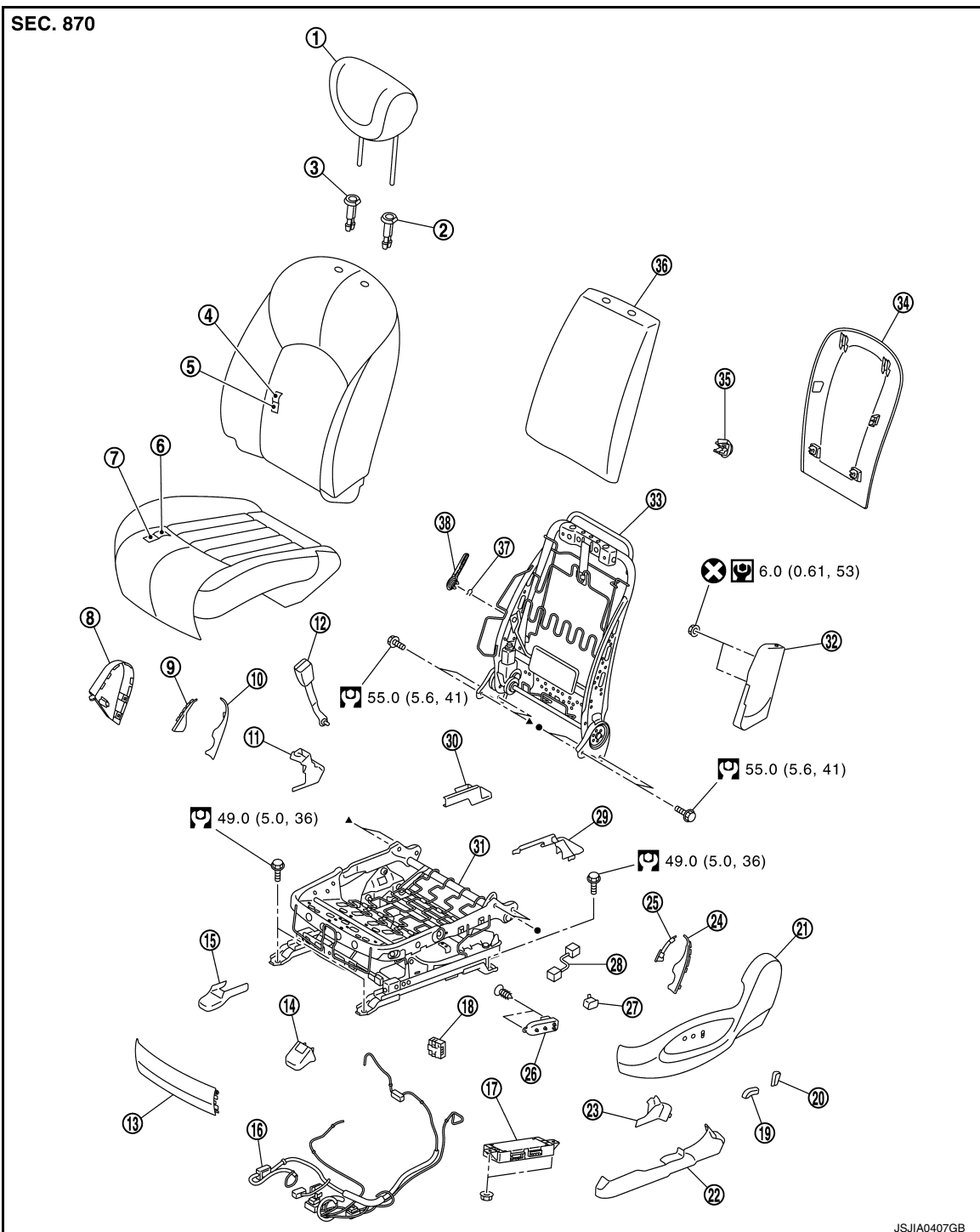
## REMOVAL AND INSTALLATION

### FRONT SEAT

Exploded View

DRIVER SEAT

INFOID:0000000010597905



- |                     |  |   |
|---------------------|--|---|
| 1. Headrest         | 2. Headrest holder (locked)            | 3. Headrest holder (free)                     |
| 4. Seatback trim    | 5. Seatback pad                        | 6. Seat cushion trim                          |
| 7. Seat cushion pad | 8. Seat cushion inner finisher outside | 9. Seat cushion inner finisher inside (front) |

## FRONT SEAT

### < REMOVAL AND INSTALLATION >

---

- |   |  |   |
|---|--|---|
| 10. Seat cushion inner finisher inside (rear)   | 11. Seat cushion inner lower finisher          | 12. Seat belt buckle                          |
| 13. Seat cushion front finisher                 | 14. Front outer slide cover                    | 15. Front inner slide cover                   |
| 16. Seat harness                                | 17. Driver seat control unit                   | 18. Heated seat control unit                  |
| 19. Seat slide & lifter switch knob             | 20. Seat reclining switch knob                 | 21. Seat cushion outer finisher outside       |
| 22. Seat cushion outer lower finisher (outside) | 23. Seat cushion outer lower finisher (inside) | 24. Seat cushion outer finisher inside (rear) |
| 25. Seat cushion outer finisher inside (front)  | 26. Seat control switch                        | 27. Lumbar support switch                     |
| 28. Seat control harness                        | 29. Rear outer slide cover                     | 30. Rear inner slide cover                    |
| 31. Seat cushion frame                          | 32. Side air bag module                        | 33. Seatback frame                            |
| 34. Seatback board                              | 35. Seatback board clip                        | 36. Seatback silencer                         |
| 37. Snap ring                                   | 38. Manual lumbar support lever knob           |   |



: Always replace after every disassembly.



: N·m (kg-m, ft-lb)



: N·m (kg-m, in-lb)



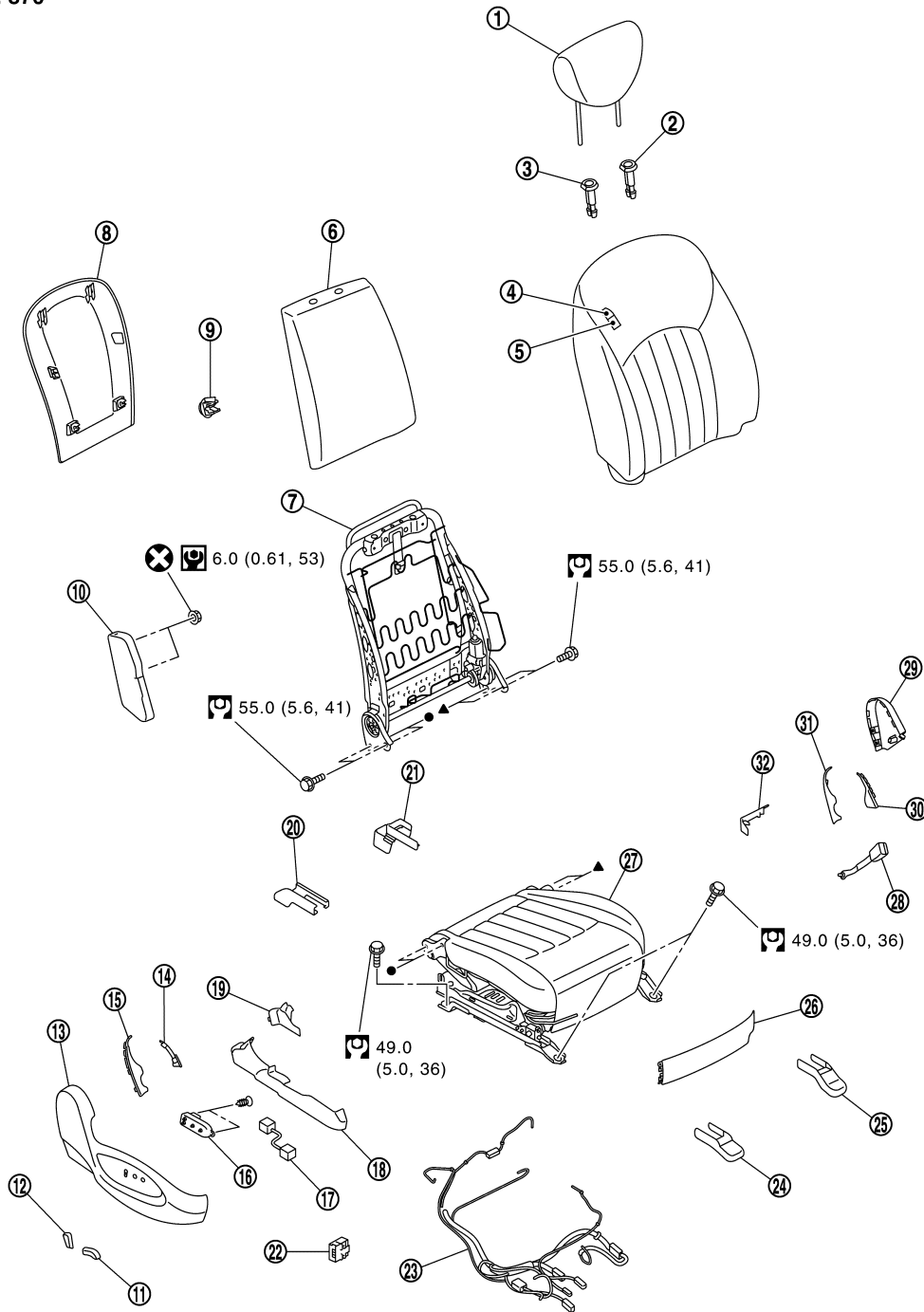
●, ▲ : Indicates that the part is connected at points with same symbol in actual vehicle.

### PASSENGER SEAT

# FRONT SEAT

## < REMOVAL AND INSTALLATION >

SEC. 870




JSJIA0408GB


- |  |  |   |
|--|--|---|
| 1. Headrest                                    | 2. Headrest holder (locked)                    | 3. Headrest holder (free)                       |
| 4. Seatback trim                               | 5. Seatback pad                                | 6. Seatback silencer                            |
| 7. Seatback frame                              | 8. Seatback board                              | 9. Seatback board clip                          |
| 10. Side air bag module                        | 11. Seat slide & lifter switch knob            | 12. Seat reclining switch knob                  |
| 13. Seat cushion outer finisher outside        | 14. Seat cushion outer finisher inside (front) | 15. Seat cushion outer finisher inside (rear)   |
| 16. Seat control switch                        | 17. Seat control harness                       | 18. Seat cushion outer lower finisher (outside) |
| 19. Seat cushion outer lower finisher (inside) | 20. Rear outer slide cover                     | 21. Rear inner slide cover                      |
| 22. Heated seat control unit                   | 23. Seat harness                               | 24. Front outer slide cover                     |


# FRONT SEAT

## < REMOVAL AND INSTALLATION >

- |   |   |  |
|---|---|--|
| 25. Front inner slide cover                   | 26. Seat cushion front finisher         | 27. Seat cushion assembly                      |
| 28. Seat belt buckle                          | 29. Seat cushion inner finisher outside | 30. Seat cushion inner finisher inside (front) |
| 31. Seat cushion inner finisher inside (rear) | 32. Seat cushion inner finisher lower   |  |

 : Always replace after every disassembly.

 : N·m (kg-m, ft-lb)

 : N·m (kg-m, in-lb)

●, ▲ : Indicates that the part is connected at points with same symbol in actual vehicle

## Removal and Installation


INFOID:0000000010597906

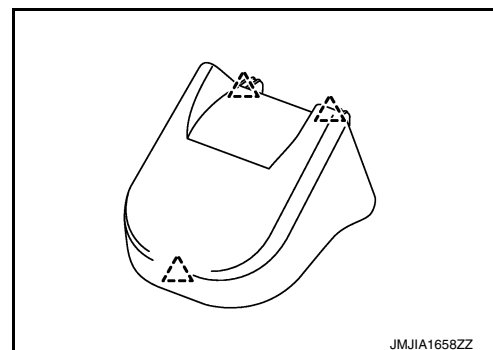
### REMOVAL

#### CAUTION:


**When removing and installing, use shop cloths to protect parts from damage.**

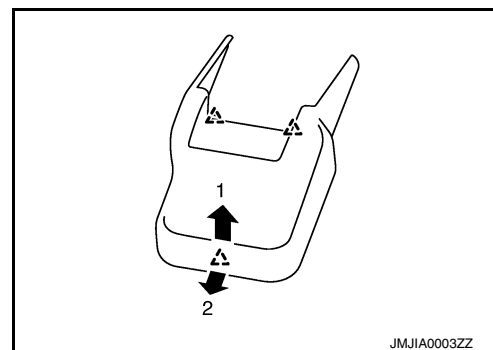
1. Remove the headrest.
2. Remove the front slide cover.
  - a. Front outer slide cover
    - Slide the seat to the rear-most position.
    - Pull up the front edge of the front slide cover to release the pawls.
    - Slide the front slide cover forward to release the pawls.

 : Pawl




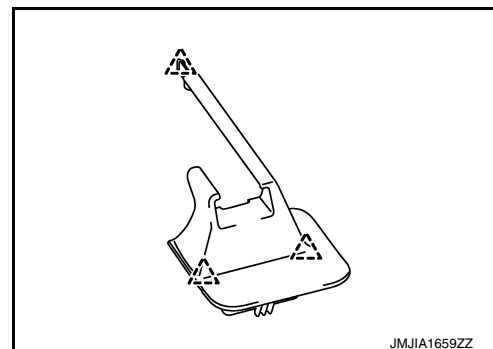
- b. Front inner slide cover
    - Slide the seat to the rear-most position.
    - Pull up the front edge of the front slide cover to release the pawls.
    - Slide the front slide cover forward to release the pawls.

 : Pawl



3. Remove the mounting bolts on the front side of the front seat.
4. Remove the rear slide cover.
  - a. Rear outer slide cover
    - Slide the seat to the front-most position.
    - Pull up the rear edge of the rear outer slide cover to release the pawls.
    - Open the front end of the rear outer slide cover to release the pawls.


 : Pawl

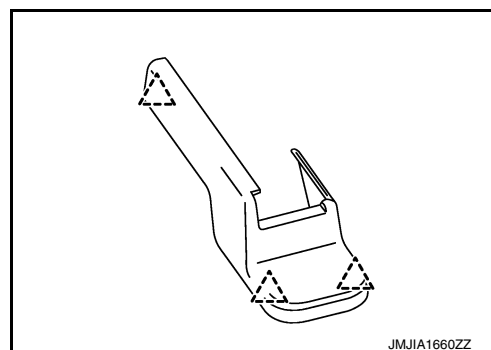


## FRONT SEAT

### < REMOVAL AND INSTALLATION >

- b. Rear inner slide cover
- Slide the seat to the front-most position.
  - Pull up the rear edge of the rear inner slide cover to release the pawls.
  - Slide the rear inner slide cover rearward to release the pawls.

 : Pawl



5. Remove the mounting bolts on the rear side of the front seat.
6. Set seatback in a standing position.
7. Disconnect harness connector under the seat and remove harness securing clips.
- CAUTION:**  
Before removal, turn ignition switch OFF, disconnect battery negative terminal, and then wait for at least 3 minutes.
8. Remove seat from the vehicle.
- CAUTION:**
- When removing and installing, use shop cloths to protect parts from damage.
  - When removing and installing, 2 workers are required so as to prevent it from dropping.

### INSTALLATION

Install in the reverse order of removal.

#### **CAUTION:**

- Before installation, turn ignition switch OFF, disconnect both battery cables, and then wait for at least 3 minutes.
- Clamp the harness in position.

#### **NOTE:**

After installing the front seat, perform additional service when removing battery negative terminal. (Automatic drive positioner model only) Refer to [ADP-8, "ADDITIONAL SERVICE WHEN REMOVING BATTERY NEGATIVE TERMINAL : Description"](#).



### Disassembly and Assembly

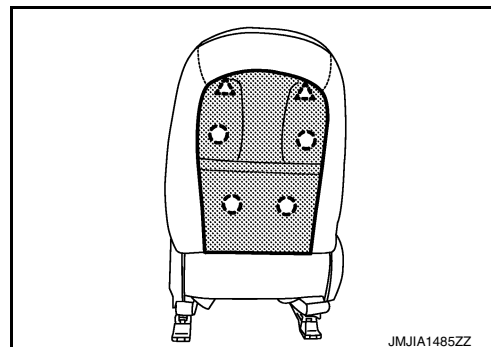
INFOID:0000000010597907

### SEATBACK

#### Disassembly

1. Remove the seatback board.
- Remove the clips and pawls, and then pull out seatback board.
  - Pull down the seatback board to release the upper pawls.

 : Clip  
 : Pawl

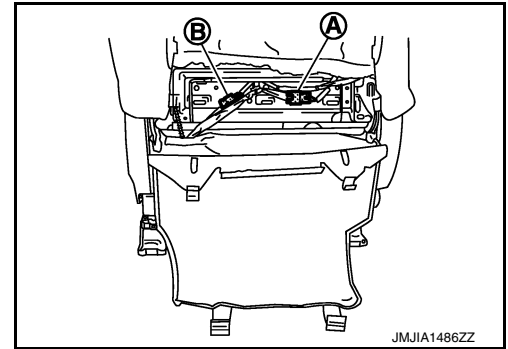


2. Remove the seatback trim retainer and seatback trim band from seat cushion frame.
3. Disconnect the harness connectors and remove the harness clamps.

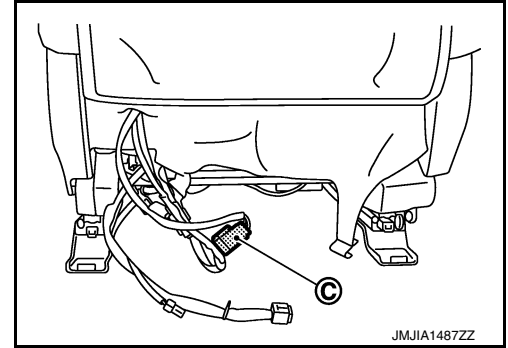
## FRONT SEAT

### < REMOVAL AND INSTALLATION >

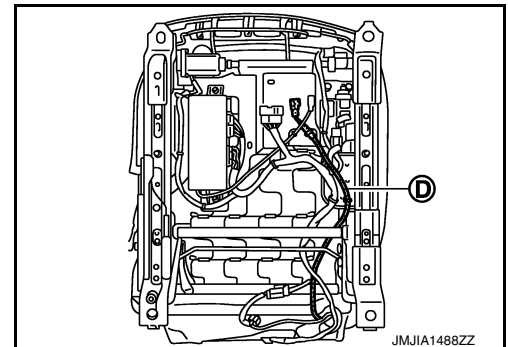
- Disconnect the reclining motor harness connector (A) and lumbar support harness connector (Power lumbar support seat only) (B).



- Disconnect the seatback heater seat harness connector (C).  
(With heater seat only)

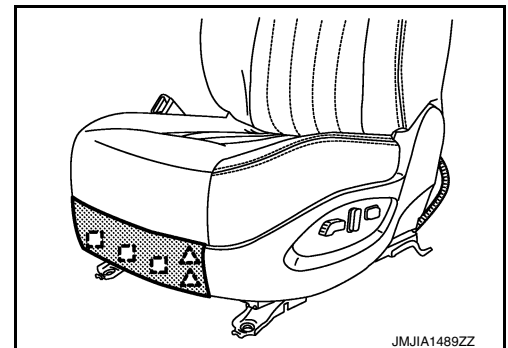


- Remove the harness clamps, and then side air bag module harness (D).



4. Remove the metal clips and pawls, and then pull out seat cushion front finisher.

△ : Pawl  
□ : Metal clip



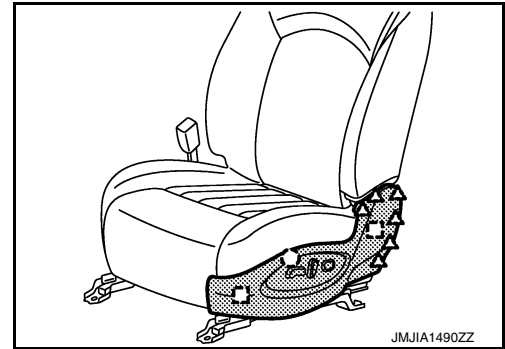
5. Remove the seat cushion outer finisher.

## FRONT SEAT

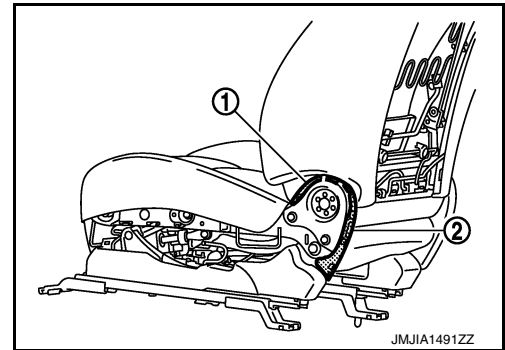
### < REMOVAL AND INSTALLATION >

- Remove the seat slide & lifter switch knob and seat reclining switch knob.
- Remove the clips, metal clips and pawls, and then pull out seat cushion outer finisher outside.
- Disconnect the seat slide & lifter, seat reclining and lumbar support switch (Power lumbar support seat only) harness connectors.

- : Clip  
△ : Pawl  
□ : Metal clip

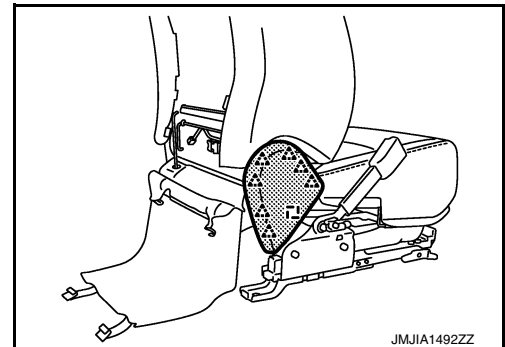


6. Remove the seat cushion outer finisher inside front (1) and rear (2).

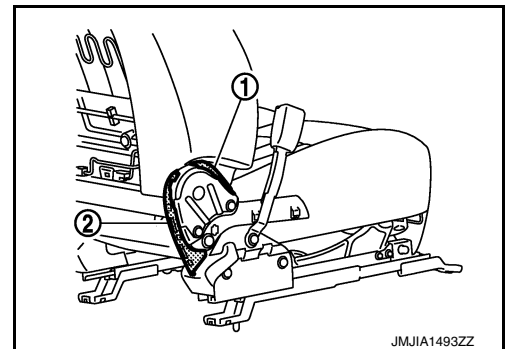


7. Remove the metal clip and pawls, and then pull out seat cushion inner finisher outside.

- △ : Pawl  
□ : Metal clip



8. Remove the seat cushion inner finisher inside front (1) and rear (2).

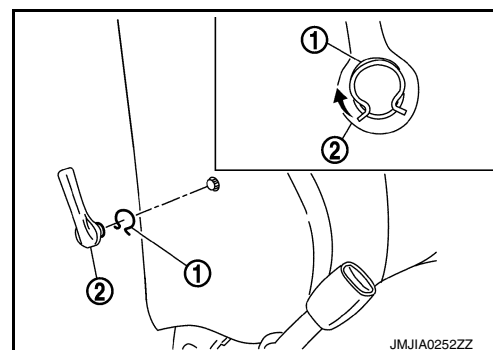


9. Remove the lumbar support lever knob. (Manual lumbar support seat only)

## FRONT SEAT

### < REMOVAL AND INSTALLATION >

Pull snap ring (1) upward, and remove lumbar support lever knob (2) from seatback frame. Using a hook and pick tool.

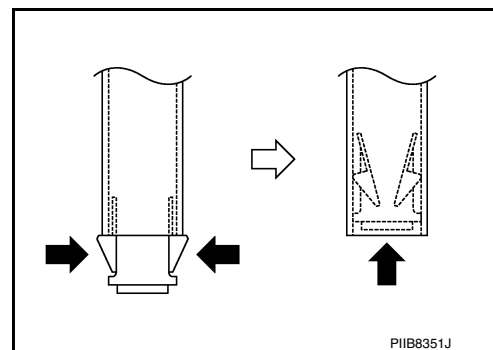


10. Remove the seatback trim and seatback pad.

- Remove the headrest holder.

**CAUTION:**

**Before installing headrest holder check its orientation. (front/rear and right/left)**

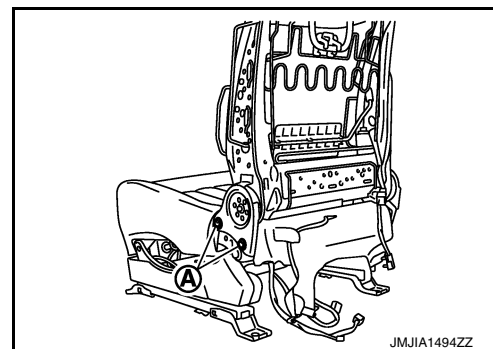


- Remove the side air bag module.
- Remove the seatback trim and seatback pad from the seatback frame.
- Remove the hog rings, and separate the seatback trim and seatback pad.

11. Remove the seatback silencer.

12. Remove the seatback frame.

Remove the seatback frame mounting bolts (A) and then remove the seatback frame.



#### Assembly

Assemble in the reverse order of disassembly.

**CAUTION:**

**Install the hog rings of seatback trim in position, and then securely connect the trim or trim cord with the pad side wire.**

#### SEAT CUSHION

##### Disassembly

**CAUTION:**

**Never disassemble front passenger seat cushion assembly.**

**Always replace as an assembly.**

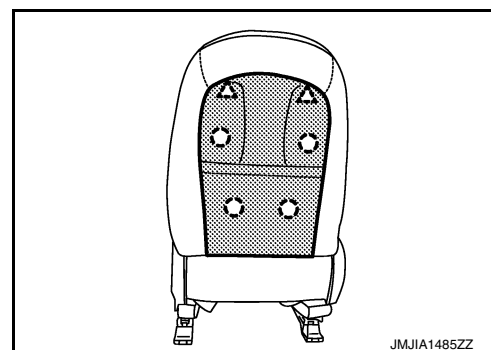
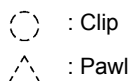
**For front passenger seat service parts, refer to the service part catalogue.**



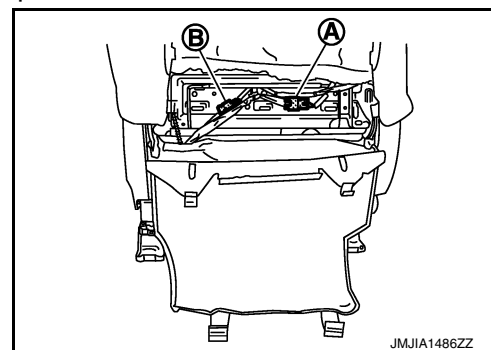
## FRONT SEAT

### < REMOVAL AND INSTALLATION >

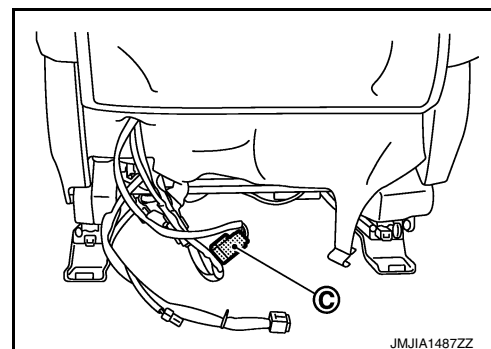
1. Remove the seatback board.
  - Remove the clips and pawls, and then pull out seatback board.
  - Pull down the seatback board to release the upper pawls.



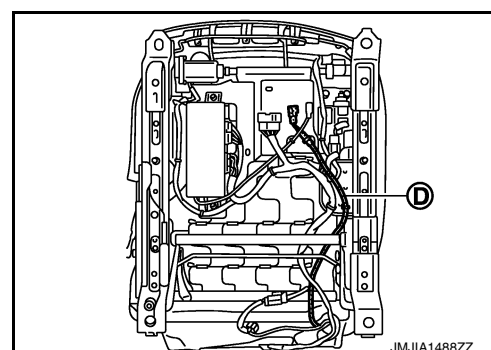
2. Remove the seatback trim retainer and seatback trim band from seat cushion frame.
3. Disconnect the harness connectors and remove the harness clamps.
  - Disconnect the reclining motor harness connector (A) and lumbar support harness connector (B) (Power lumbar support seat only).



- Disconnect the seatback heater seat harness connector (C). (With heater seat only.)



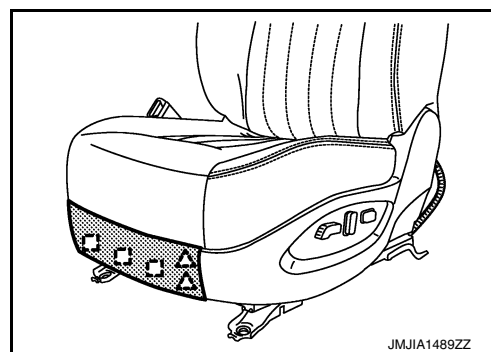
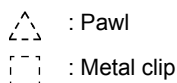
- Remove the side air bag module harness (D).



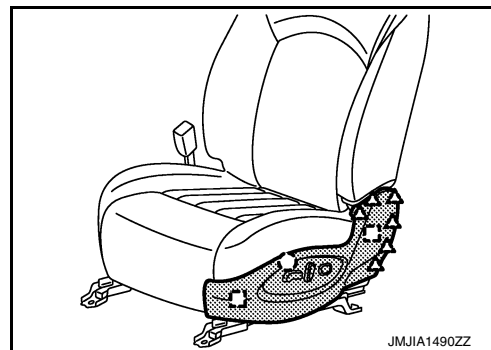
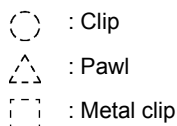
## FRONT SEAT

### < REMOVAL AND INSTALLATION >

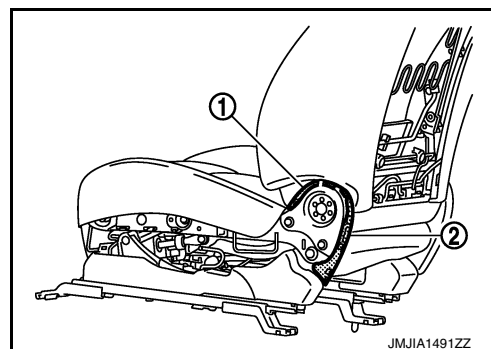
4. Remove the metal clips and pawls, and then pull out seat cushion front finisher.



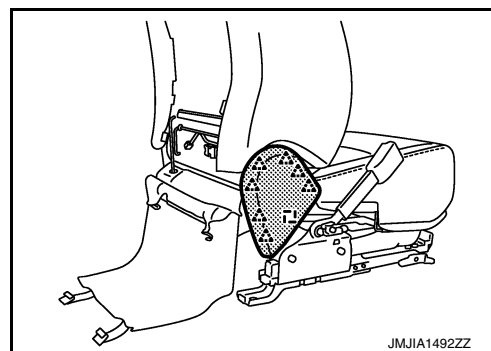
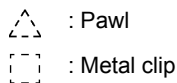
5. Remove the seat cushion outer finisher.
- Remove the seat slide & lifter switch knob and seat reclining switch knob.
  - Remove the clips, metal clips and pawls, and then pull out seat cushion outer finisher outside.
  - Disconnect the seat slide & lifter, seat reclining and lumbar support switch (Power lumbar support seat only) harness connectors.



6. Remove the seat cushion outer finisher inside front (1) and rear (2).



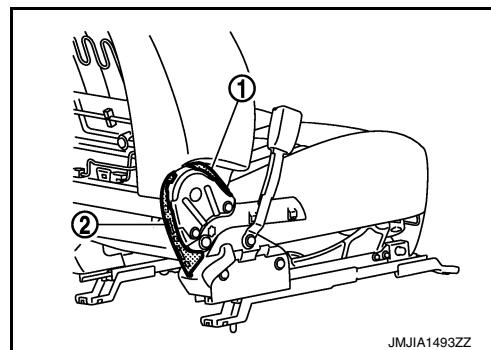
7. Remove the metal clip and pawls, and then pull out seat cushion inner finisher outside.



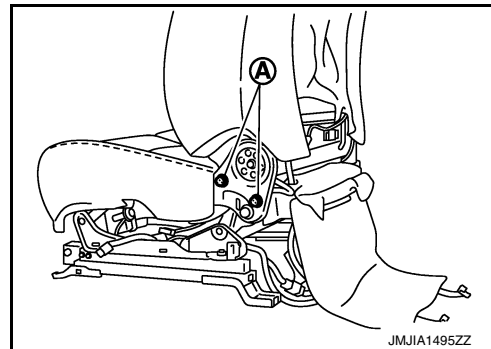
## FRONT SEAT

### < REMOVAL AND INSTALLATION >


8. Remove the seat cushion inner finisher inside front (1) and rear (2).

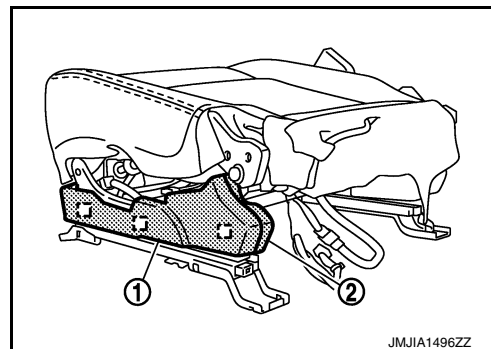


9. Remove the seatback assembly.  
Remove the seatback assembly mounting bolts (A).




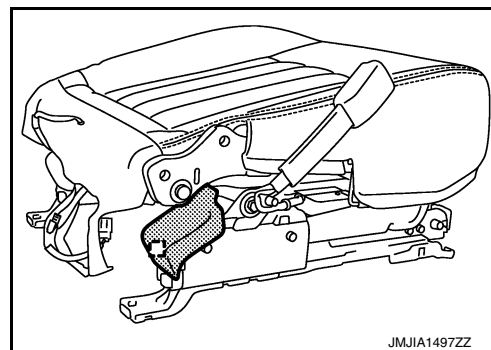
10. Remove the metal clips, and then pull out seat cushion outer lower finisher outside (1) and inside (2).

 : Metal clip



11. Remove the seat cushion inner lower finisher.

 : Metal clip

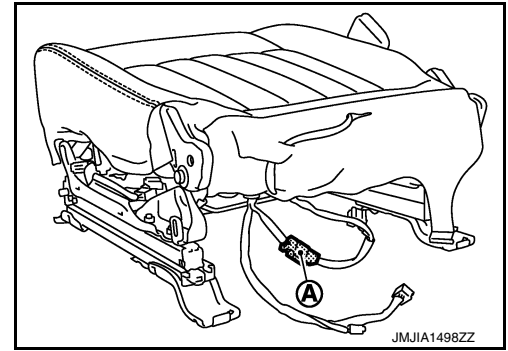


12. Remove the seat cushion trim and seat cushion pad. (Without occupant classification system control unit model)

## FRONT SEAT

### < REMOVAL AND INSTALLATION >

- Disconnect the seat cushion heater unit harness connector (A).
- Remove the seat cushion trim retainer.
- Remove the hog rings, and separate the seat cushion trim and seat cushion pad.



13. Remove the seat belt buckle. Refer to [SB-8. "SEAT BELT BUCKLE : Removal and Installation"](#).
14. Remove the driver seat control unit (with automatic drive positioner seat only). Refer to [ADP-219. "Removal and Installation"](#).
15. Remove the heated seat control unit. Refer to [SE-149. "Removal and Installation"](#).

Assembly

Assemble in the reverse order of disassembly.

#### **CAUTION:**

**Install the hog rings of seat cushion trim in position, and then securely connect the trim or trim cord with the pad side wire.**

# REAR SEAT

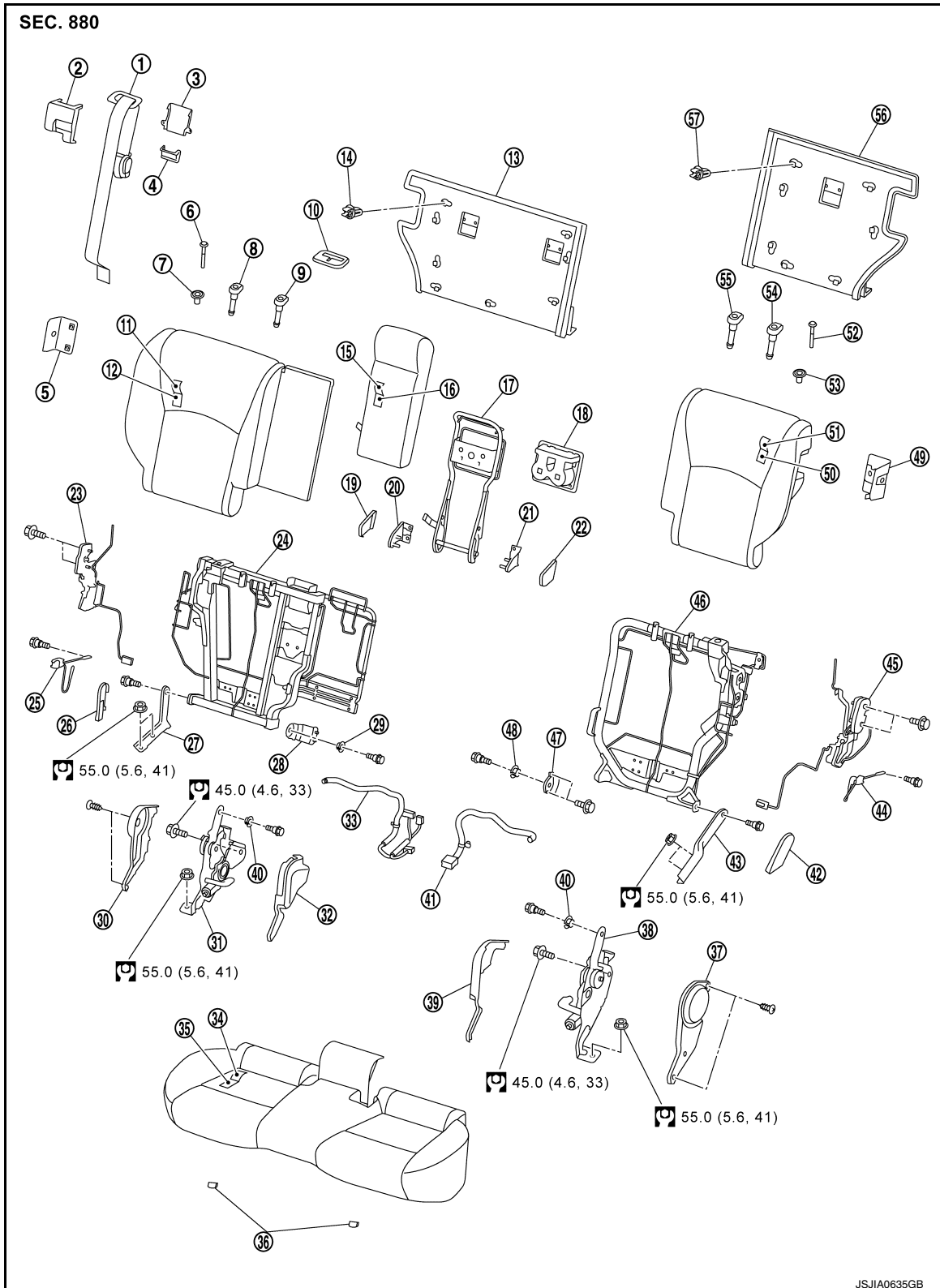
< REMOVAL AND INSTALLATION >

## REAR SEAT

Exploded View

INFOID:000000010597908

REAR SEAT



# REAR SEAT

## < REMOVAL AND INSTALLATION >

- |  |   |  |
|--|---|--|
| 1. Rear center seat belt               | 2. Center seat belt retractor cover     | 3. Seat belt guide (upper)             |
| 4. Seat belt guide (lower)             | 5. Rear seatback lock cover RH          | 6. Rear seatback lock knob RH          |
| 7. Rear seatback lock knob finisher RH | 8. Headrest holder (free)               | 9. Headrest holder (locked)            |
| 10. Seat belt finisher                 | 11. Rear seatback trim RH               | 12. Rear seatback pad RH               |
| 13. Rear seatback board RH             | 14. Rear seatback board clip RH         | 15. Armrest trim                       |
| 16. Armrest pad                        | 17. Armrest frame                       | 18. Cup holder                         |
| 19. Armrest bracket cover RH           | 20. Armrest bracket RH                  | 21. Armrest bracket LH                 |
| 22. Armrest bracket cover LH           | 23. Rear seatback lock assembly RH      | 24. Rear seatback frame RH             |
| 25. Rear seat belt hook RH             | 26. Rear seatback hinge outer cover RH  | 27. Rear seatback hinge RH             |
| 28. Rear seatback hinge bracket RH     | 29. Rear seatback hinge bush RH         | 30. Reclining device outer cover RH    |
| 31. Reclining device assembly RH       | 32. Reclining device inner cover RH     | 33. Rear seat harness RH               |
| 34. Rear seat cushion trim             | 35. Rear seat cushion pad               | 36. Rear seat cushion hook             |
| 37. Reclining device outer cover LH    | 38. Reclining device assembly LH        | 39. Reclining device inner cover LH    |
| 40. Reclining device bush              | 41. Rear seat harness LH                | 42. Rear seatback hinge outer cover LH |
| 43. Rear seatback hinge LH             | 44. Rear seat belt hook LH              | 45. Rear seatback lock assembly LH     |
| 46. Rear seatback frame LH             | 47. Rear seatback hinge bracket LH      | 48. Rear seatback hinge bush LH        |
| 49. Rear seatback lock cover LH        | 50. Rear seatback pad LH                | 51. Rear seatback trim LH              |
| 52. Rear seatback lock knob LH         | 53. Rear seatback lock knob finisher LH | 54. Headrest holder (locked)           |
| 55. Headrest holder (free)             | 56. Rear seatback board LH              | 57. Rear seatback board clip LH        |



: N·m (kg-m, ft-lb)

## Removal and Installation

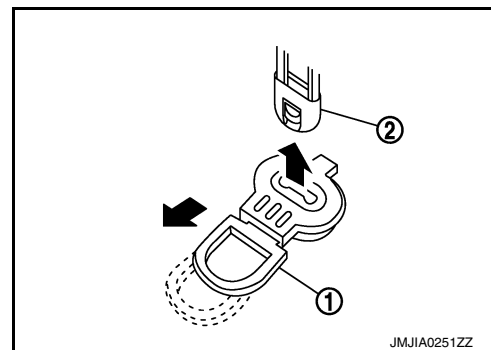
INFOID:0000000010597909

### REMOVAL

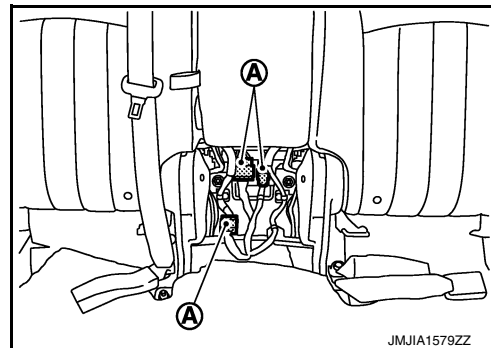
#### CAUTION:

**When removing and installing, use shop cloths to protect parts from damage.**

- Remove the seat cushion.
  - Pull the lock lever (1) at the front bottom of the seat cushion forward (1 for each side), and pull the seat cushion upward to release the wire (2) from the seat cushion hook. Then pull the seat cushion forward to remove.
  - Remove the seat cushion from vehicle.



- Remove the seatback.
  - Remove the luggage floor finisher front LH and RH. Refer to [INT-37, "Exploded View"](#).
  - Disconnect the rear seat harness connectors.
  - With power return seat model  
LH seatback  
Disconnect the rear seat harness connectors (A).

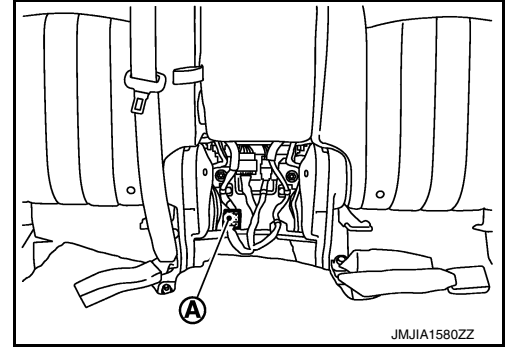


## REAR SEAT

### < REMOVAL AND INSTALLATION >

RH seatback

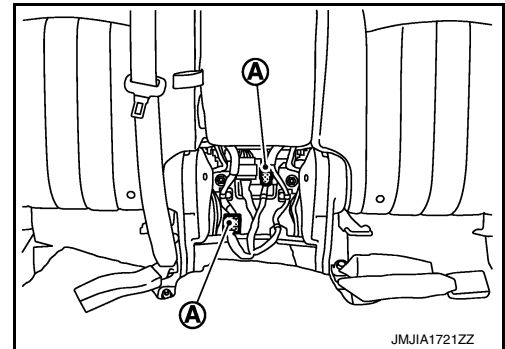
Disconnect the rear seat harness connector (A).



- Without power return seat model

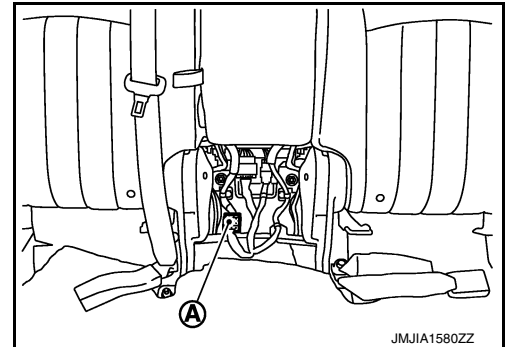
LH seatback

Disconnect the rear seat harness connectors (A).

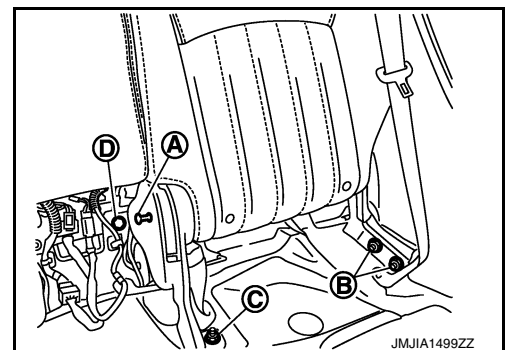


RH seatback

Disconnect the rear seat harness connector (A).



- Push the seatback lock pin (A).
- Remove the seatback mounting nuts (B), (C) and bolt (D).
- Remove the center seat belt anchor bolt. (RH seatback only)  
Refer to [SB-11, "SEAT BELT RETRACTOR : Exploded View"](#).
- Remove the seatback from vehicle.

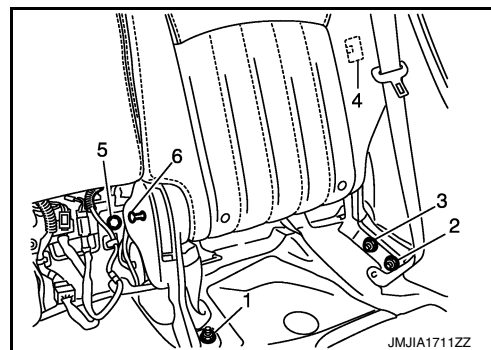


### INSTALLATION

## REAR SEAT

### < REMOVAL AND INSTALLATION >

1. Install the rear seatback mounting nuts (1), (2), (3).
2. Lock the seatback striker (4).
3. Install the rear seatback mounting bolt (5).
4. Pull the rear seatback lock pin (6).



### CAUTION:

- When removing and installing, use shop cloths to protect parts from damage.
- When removing and installing, 2 workers are required so as to prevent it from dropping.


### Disassembly and Assembly

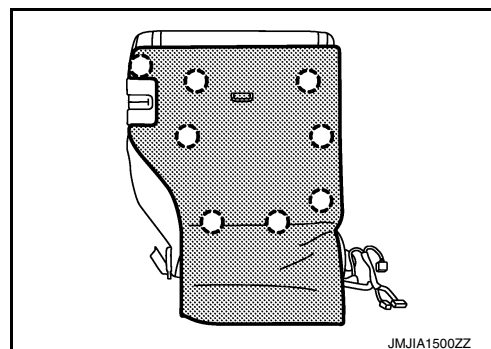
INFOID:0000000010597910

### SEATBACK

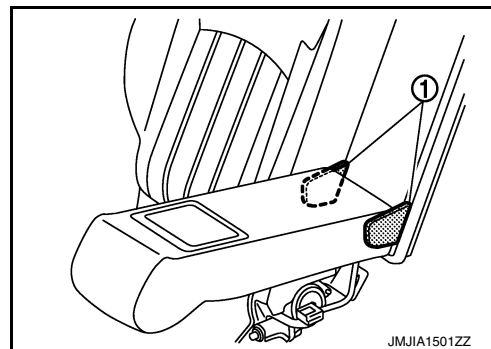
#### Disassembly

1. Remove the clips, and then pull out seatback board.

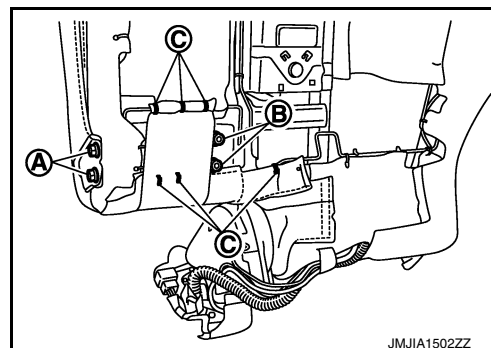
 : Clip



2. Remove the armrest.
  - Remove the armrest hinge covers (1).



- Remove the arm rest mounting bolts (A), nuts (B) and hog rings (C), and then remove the armrest.



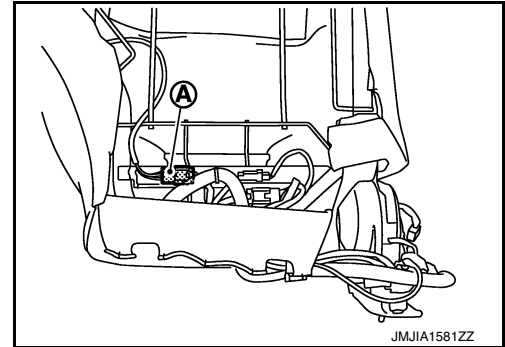


## REAR SEAT

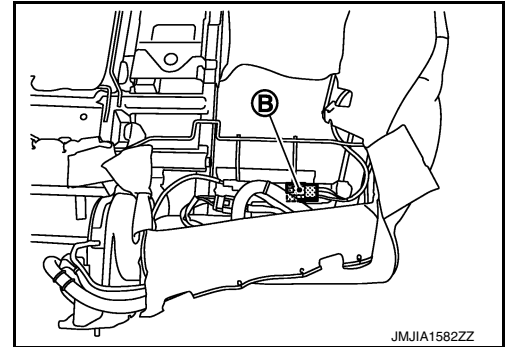
### < REMOVAL AND INSTALLATION >

3. Remove the seatback device assembly.
  - Remove the seatback trim fixing hog rings.
  - Disconnect the seatback lock harness connector.

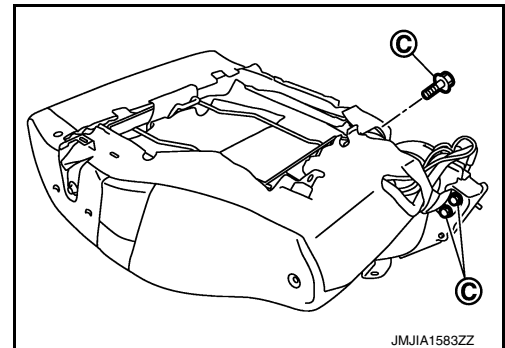
LH seatback  
Disconnect the seatback lock harness connector (A).



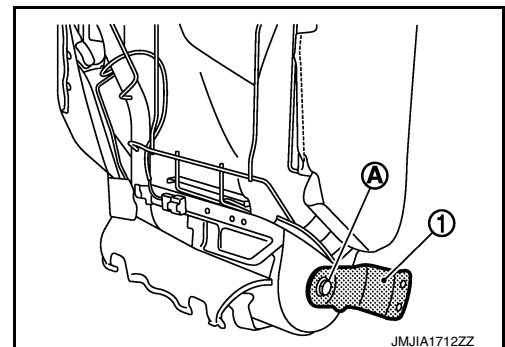
- RH seatback  
Disconnect the seatback lock harness connector (B).



- Remove the seatback device.  
Remove the seatback device mounting bolts (C).



4. Remove the hinge bracket mounting bolt (A), and then remove the hinge bracket (1).

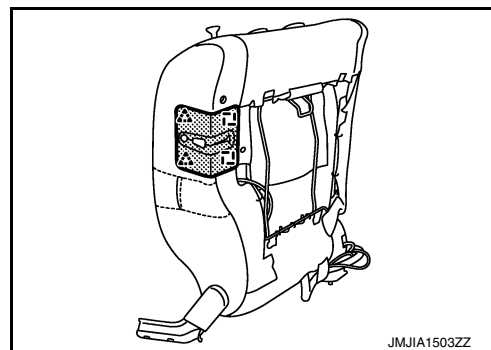
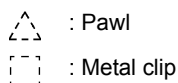


5. Remove the seatback trim and pad.

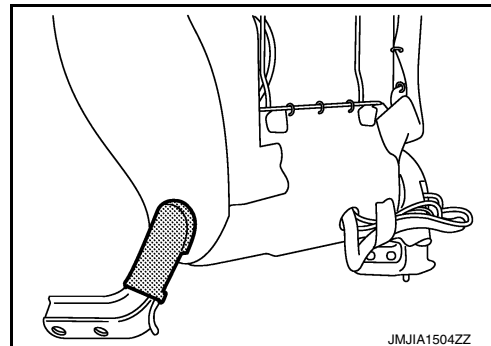
## REAR SEAT

### < REMOVAL AND INSTALLATION >

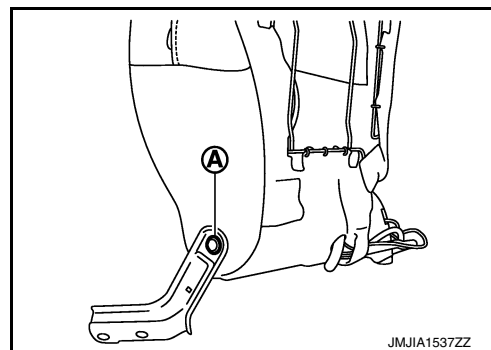
- Remove the metal clips and pawls, and then pull out seatback lock cover.



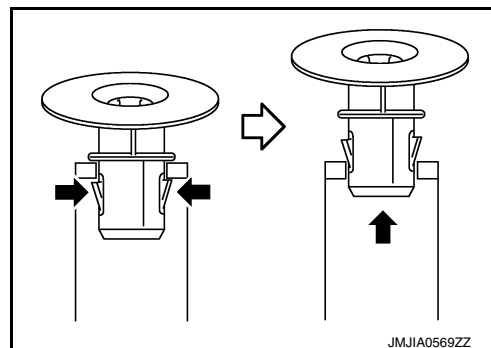
- Remove the seatback hinge outer cover.



- Remove the seatback hinge.  
Remove the seatback hinge mounting bolt (A).



- Turn seatback lock knob counterclockwise to remove.
- Push the seatback lock knob finisher pawl upward through the seatback pad and the seatback frame to remove it.



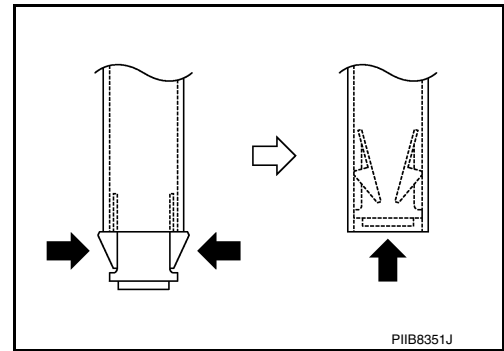
## REAR SEAT

### < REMOVAL AND INSTALLATION >

- Remove the headrest holder.

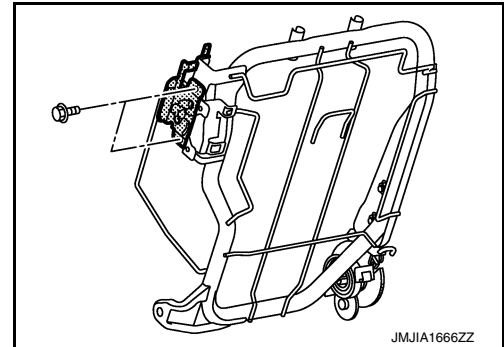
**CAUTION:**

**Before installing headrest holder check its orientation.  
(front/rear and right/left)**



- Remove the seatback trim and pad.
- Remove the hog rings to separate the seatback trim and seatback pad.

6. Remove the seatback lock assembly.  
Remove the seatback lock assembly mounting bolts.



7. Remove the rear center seat belt. Refer to [SB-11, "SEAT BELT RETRACTOR : Exploded View"](#).

#### Assembly

Assemble in the reverse order of disassembly.

**CAUTION:**

**Install the hog rings of seatback trim in position, and then securely connect the trim or trim cord with the seatback frame.**

#### SEAT CUSHION

##### Disassembly

Remove the hog rings to separate the trim and pad.

##### Assembly

Assemble in the reverse order of disassembly.

**CAUTION:**

**Install the hog rings of seat cushion trim in position, and then securely connect the trim or trim cord with the seat cushion pad wire.**

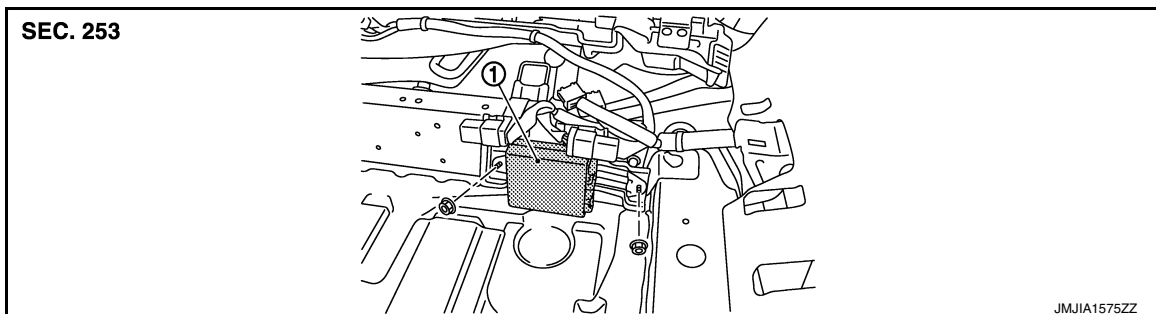
# REAR SEAT BACK POWER RETURN CONTROL UNIT

< REMOVAL AND INSTALLATION >

## REAR SEAT BACK POWER RETURN CONTROL UNIT

Exploded View

INFOID:0000000010597911



1. Rear seatback power return control unit

### Removal and Installation

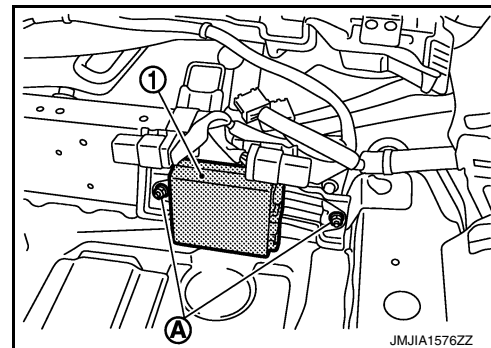
INFOID:0000000010597912

#### REMOVAL

##### **CAUTION:**

**When removing and installing, use shop cloths to protect parts from damage.**

1. Remove the luggage floor finisher assembly (front). Refer to [INT-38, "Removal and Installation"](#).
2. Remove mounting nuts (A).
3. Remove rear seatback power return control unit (1).



#### INSTALLATION

Install in the reverse order of removal.

##### **CAUTION:**

**Be sure to clamp the harness to the right place.**

# HEATED SEAT CONTROL UNIT

< REMOVAL AND INSTALLATION >

## HEATED SEAT CONTROL UNIT

### Exploded View

INFOID:0000000010597913

Refer to [SE-129, "Exploded View"](#).

### Removal and Installation

INFOID:0000000010597914

#### REMOVAL

##### **CAUTION:**

**When removing and installing, use shop cloths to protect parts from damage.**

1. Remove the front seat.
2. Disconnect heated seat control unit connector.
3. Remove the heated seat control unit from the heated seat control unit stay. Refer to [SE-132, "Removal and Installation"](#).

#### INSTALLATION

Install in the reverse order of removal.

##### **CAUTION:**

**Always clamp the harness to the right place.**

A

B

C

D

E

F

G

H

I

SE

K

L

M

N

O

P

# POWER SEAT SWITCH

< REMOVAL AND INSTALLATION >

## POWER SEAT SWITCH

### Exploded View

INFOID:0000000010597915

Refer to [SE-129. "Exploded View"](#).

### Removal and Installation

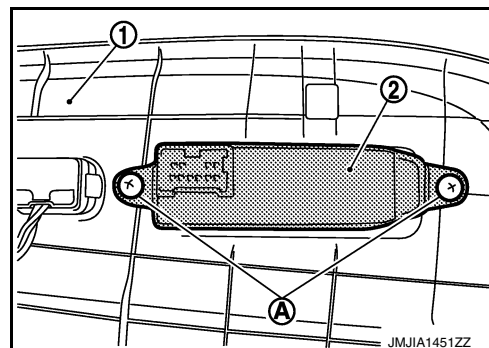
INFOID:0000000010597916

#### REMOVAL

##### **CAUTION:**

**When removing and installing, use shop cloths to protect parts from damage.**

1. Remove the seat cushion outer finisher (1). Refer to [SE-132. "Removal and Installation"](#).
2. Remove the screws (A).
3. Remove the power seat switch (2) from the seat cushion outer finisher.



#### INSTALLATION

Install in the reverse order of removal.

##### **CAUTION:**

**Be sure to clamp the harness to the right place.**

# LUMBAR SUPPORT SWITCH

< REMOVAL AND INSTALLATION >

## LUMBAR SUPPORT SWITCH

### Exploded View

INFOID:0000000010597917

Refer to [SE-129, "Exploded View"](#).

### Removal and Installation


INFOID:0000000010597918

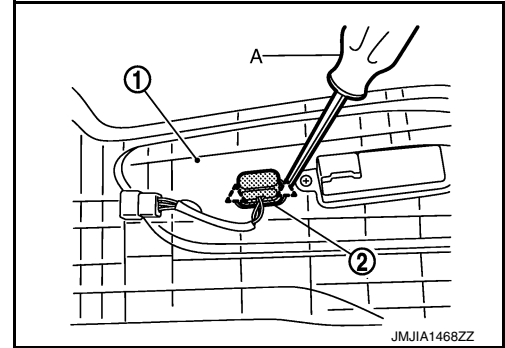
#### REMOVAL

##### **CAUTION:**

**When removing and installing, use shop cloths to protect parts from damage.**

1. Remove the seat cushion outer finisher (1). Refer to [SE-132, "Removal and Installation"](#).
2. Remove the lumbar support switch (2) from the seat cushion outer finisher with remover tool (A).

 : Pawl



#### INSTALLATION

Install in the reverse order of removal.

##### **CAUTION:**

**Be sure to clamp the harness to the right place.**

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

SE

# HEATED SEAT SWITCH

< REMOVAL AND INSTALLATION >

## HEATED SEAT SWITCH

### Exploded View

INFOID:0000000010597919

Refer to [IP-23. "Exploded View"](#).

### Removal and Installation


INFOID:0000000010597920

#### REMOVAL

##### **CAUTION:**

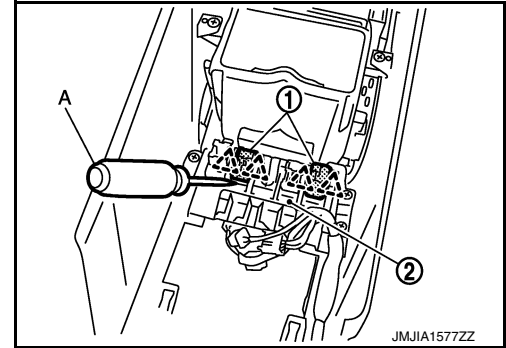
**When removing and installing, use shop cloths to protect from damage.**

1. Remove the console body assembly. Refer to [IP-24. "Removal and Installation"](#).
2. Remove heated seat switch (1) from switch bracket (2) with remover tool (A).

 : Pawl

##### **NOTE:**

The same procedure is also performed for passenger side.



#### INSTALLATION

Install in the reverse order of removal.



# POWER RETURN SWITCH

< REMOVAL AND INSTALLATION >

## POWER RETURN SWITCH

### Exploded View

INFOID:0000000010597921

Refer to [JP-23, "Exploded View"](#).

### Removal and Installation


INFOID:0000000010597922

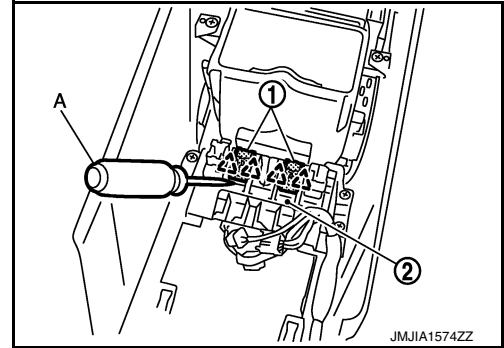
#### REMOVAL

##### **CAUTION:**

**When removing and installing, use shop cloths to protect parts from damage.**

1. Remove the console body assembly. Refer to [JP-24, "Removal and Installation"](#).
2. Remove power return switch (1) from switch bracket (2) with remover tool (A).

 : Pawl



#### INSTALLATION

Install in the reverse order of removal.

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

SE

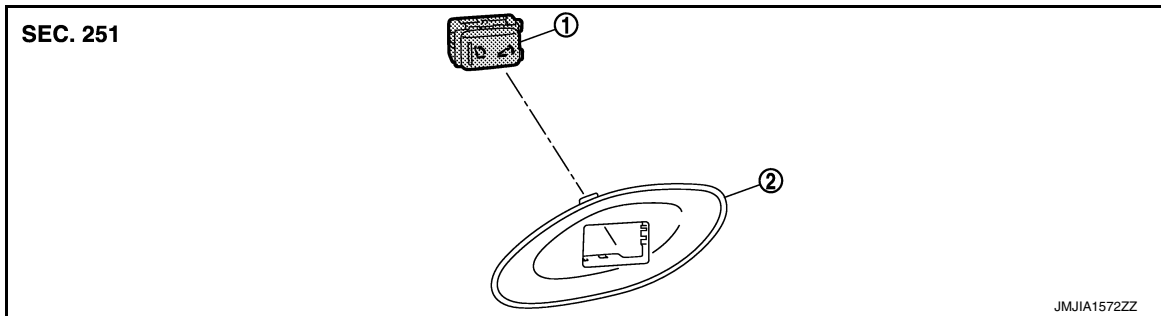
# REAR SEATBACK SWITCH

< REMOVAL AND INSTALLATION >

## REAR SEATBACK SWITCH

### Exploded View

INFOID:0000000010597923



1. Rear seatback switch
2. Luggage side finisher lower escutcheon

### Removal and Installation


INFOID:0000000010597924

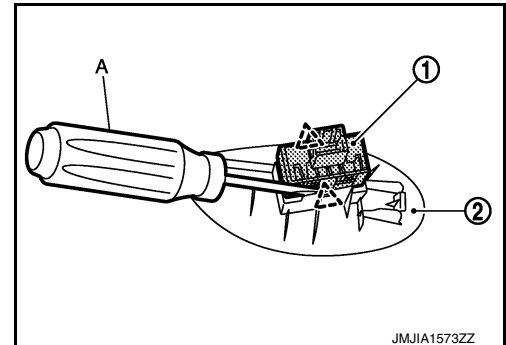
#### REMOVAL

##### **CAUTION:**

**When removing and installing, use shop cloths to protect parts from damage.**

1. Remove the luggage side finisher lower escutcheon. Refer to [INT-38, "Removal and Installation"](#).
2. Remove rear power return switch (1) from luggage side finisher lower escutcheon (2) with remover tool (A).

 : Pawl



#### INSTALLATION

Install in the reverse order of removal.

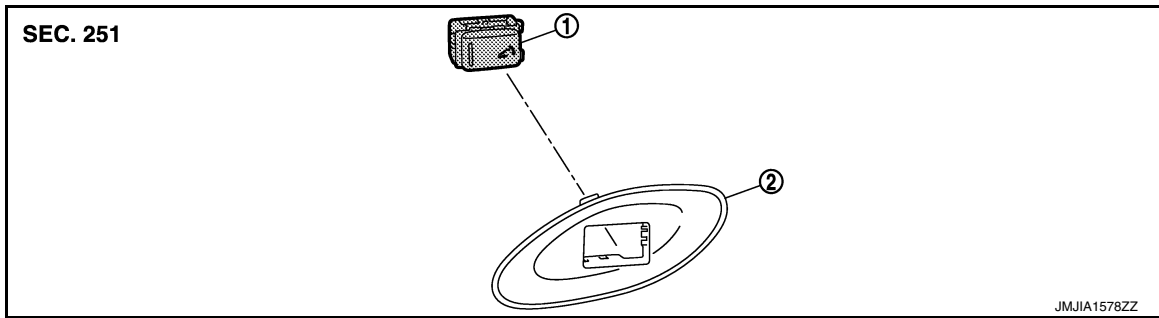
# REAR SEATBACK RELEASE SWITCH

< REMOVAL AND INSTALLATION >

## REAR SEATBACK RELEASE SWITCH

### Exploded View

INFOID:0000000010597925



1. Rear seatback release switch
2. Luggage side finisher lower escutcheon

### Removal and Installation


INFOID:0000000010597926

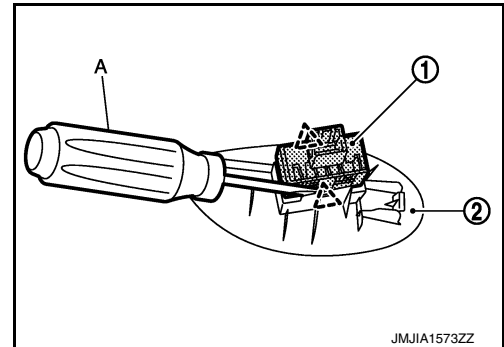
#### REMOVAL

##### **CAUTION:**

**When removing and installing, use shop cloths to protect parts from damage.**

1. Remove the luggage side finisher lower escutcheon. Refer to [INT-38, "Removal and Installation"](#).
2. Remove rear power return switch (1) from luggage side finisher lower escutcheon (2) with remover tool (A).

 : Pawl



#### INSTALLATION

Install in the reverse order of removal.