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< PRECAUTION > PRECAUTION PRECAUTIONS

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

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

 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:**

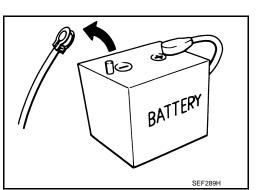
If the ignition switch is turned ON with any one of the terminals of main battery and sub battery disconnected, then DTC may be detected.

• 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

- 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.



INFOID:000000011257654

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

- 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.

- Never use organic solvent such as thinner, benzene, alcohol, and gasoline.
- For genuine leather seats, use a genuine leather seat cleaner.

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PREPARATION

< PREPARATION >

PREPARATION PREPARATION

Special Service Tool

INFOID:000000011257656

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
(J-39570) Chassis ear	SIIA0993E	Locates the noise
(J-50397) NISSAN Squeak and Rattle Kit	SIIA0994E	Repairs the cause of noise
Commercial Service Too	ol	INFOID:00000001125765;
Tool name		Description
Engine ear		Locates the noise

SIIA0995E

< PREPARATION > CLIP LIST

Clip List

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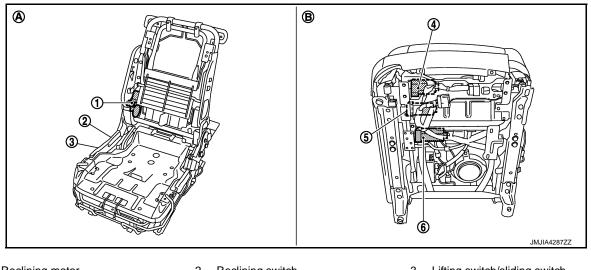
Shapes	Removal & Installation	Shapes	Removal & Installation	
T 7 7 7	Removal: Remove by bending up with flat-bladed screwdrivers or clip remover.	Clip A Clip B	Removal: Finisher Clip A	
T BF B T	Removal: Remove with a clip remover.	Clip A Clip B (Grommet)	Removal: Flat-bladed screwdriver Body panel Clip A (Grommet)	
0 9	Removal: Push center pin to catching position. (Do not remove center pin by hitting it.) Push		Removal: Holder portion of clip must be spread out to remove rod.	
	Removal: Remove by bending up with flat-bladed screwdrivers or clip remover.		Removal: 1. Screw out with a Phillips screwdriver. 2. Remove female portion with flat-bladed screwdriver.	I
Ŷ	Removal:		Removal: Installation: Rotate 45° to remove.	
	Removal:		Removal:	

< SYSTEM DESCRIPTION >

SYSTEM DESCRIPTION COMPONENT PARTS POWER SEAT SYSTEM

POWER SEAT SYSTEM : Component Parts Location

INFOID:000000011257659



- 1. Reclining motor
- 4. Sliding motor

- 2. Reclining switch
- 5. Lifting motor (front)
- B. Back side of seat cushion
- 3. Lifting switch/sliding switch
- 6. Lifting motor (rear)

A. View with seat cushion pad and seat back pad are removed

POWER SEAT SYSTEM : Component Description

INFOID:0000000011257660

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 the forward and backward movement of seatback.
Sliding motor	With the power supplied from power seat switch, operates the forward and backward slide of seat.
Lifting motor (front/rear)	With the power supplied from power seat switch, operates the up and down movement of seat cushion.

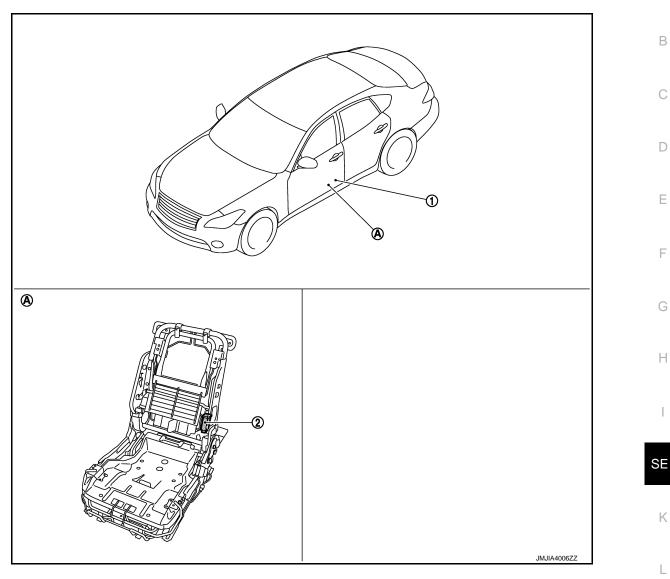
LUMBAR SUPPORT SYSTEM

< SYSTEM DESCRIPTION >

LUMBAR SUPPORT SYSTEM : Component Parts Location



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1. Lumbar support switch

2. Lumbar support motor

A. View with seatback pad is removed

LUMBAR SUPPORT SYSTEM : Component Description

INFOID:000000011257662

Item	Function	N
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 unit.	0

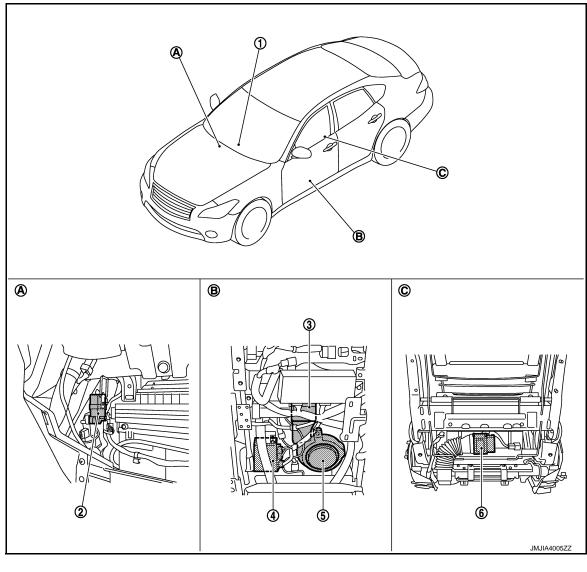
CLIMATE CONTROLLED SEAT SYSTEM

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< SYSTEM DESCRIPTION >

CLIMATE CONTROLLED SEAT SYSTEM : Component Parts Location

INFOID:000000011257663



- 1. Climate controlled seat switch
- 4. Climate controlled seat control unit
- A. View with instrument lower panel RH removed
- Climate controlled seat relay
 Climate controlled seat cushion
 - blower motor
 - B. Backside of seat cushion
- 3. Seat cushion thermal electric unit
- 6. Seatback thermal electric unit
- C. View with seatback board removed

CLIMATE CONTROLLED SEAT SYSTEM : Component Description

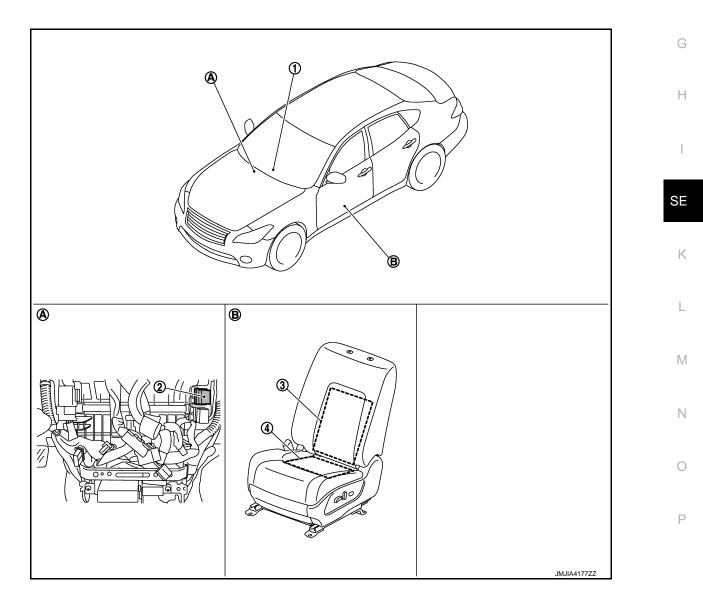
Item	Function
Climate controlled seat relay	Supplies power to the climate controlled seat control unit in accordance with the key switch position that is ON or START.
Climate controlled seat control unit	Installed in the seat cushion backside and controls the seat cushion blower mo- tor, seatback thermal electric unit, and seat cushion thermal electric unit in ac- cordance with the input signal.
Climate controlled seat switch	Installed in the center console and transmits signals to climate controlled seat control unit in accordance with the HEAT (heated airflow) or COOL (cooled airflow) switch operation and the temperature switch operation.

< SYSTEM DESCRIPTION >

Item	Function
Seat cushion blower motor	Installed in the seat cushion backside and sends the airflow to the seat cushion thermal electric unit in accordance with the control from the climate controlled seat control unit.
Seatback thermal electric unit	Installed in the seatback backside and heats or cools the airflow from the climate controlled seat blower motor in accordance with the control from the climate controlled seat control unit.
Seat cushion thermal electric unit	Installed in the seat cushion backside and heats or cools the airflow from the cli- mate controlled seat blower motor in accordance with the control from the cli- mate controlled seat control unit.
Seatback thermal electric unit sensor	Measures seatback temperature.
Seat cushion thermal electric unit sensor	Measures seat cushion temperature.
Climate controlled seat switch indicator	Turn ON the indicator that indicates the operating status of climate controlled seat HEAT or COOL mode.

FRONT HEATED SEAT SYSTEM

FRONT HEATED SEAT SYSTEM : Component Parts Location



< SYSTEM DESCRIPTION >

- 1. Front heated seat switch
- 2. Front heated seat relay
- 3. Front seatback heater

- Front seat cushion heater (with inte-4. grated in front heated seat control unit)
- A. View with cluster lid C removed B. Inside of front seat

FRONT HEATED SEAT SYSTEM : Component Description

INFOID:000000011257666

Item	Function
Front heated seat control unit	 Front heated seat control unit is integrated in front seat cushion heater. Controls heated seat temperature and is independently placed in each seat cushion (driver seat and passenger seat).
Front heated seat switch	 Adjusts heated seat temperature and deactivates front heated seat. Equips indicator that indicates the operating condition.
Front seat cushion heater	 Warms seat cushion. Contains heat sensor that outputs front seat cushion heater temperature to front heated seat control unit.
Front seatback heater	Warms seatback.
Front heated seat relay	Supplies power to the front heated seat being controlled by ignition power supply.

REAR HEATED SEAT SYSTEM

< SYSTEM DESCRIPTION >

REAR HEATED SEAT SYSTEM : Component Parts Location

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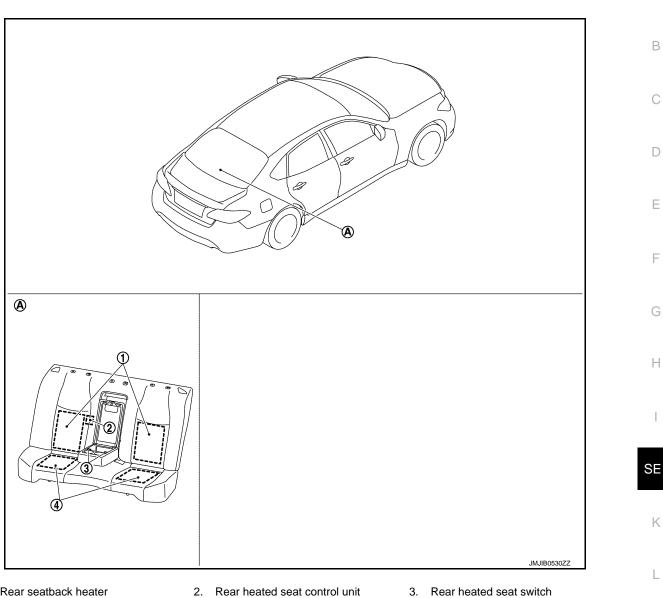
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- Rear seatback heater 1.
- 2. Rear heated seat control unit
- Rear seat cushion heater 4.
- A. Rear seat

REAR HEATED SEAT SYSTEM : Component Description

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INFOID:000000011472422
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Item	Function
Rear heated seat control unit	Installed in back side of seatback of rear seat and performs control of rear seat cushion heater and rear seatback heater according to received signal.
Rear heated seat switch	Installed in center armrest and switches LO mode, HI mode, and stops rear heated seat system.
Rear seat cushion heater	Integrated in rear seat cushion and operates rear seat cushion heater according to the operation of rear heated seat switch.

< SYSTEM DESCRIPTION >

Item	Function
Rear seatback heater	Integrated in rear seatback and operates rear seatback heater according to the operation of rear heated seat switch.
Rear heated seat switch indicator	 Rear heated seat switch indicator is integrated in rear heated seat switch, installed in center armrest. The status of LO mode, or HI mode can be indicated according to the status of rear heated seat switch indicator.

< SYSTEM DESCRIPTION >				
SYSTEM				А
POWER SEAT SYSTEM				/ \
POWER SEAT SYSTEM : System	em Descriptio	on	INFOID:000000011257667	В
Power seat can be operated regardless plied to power seat switch.	of the ignition s	witch position, because pov	ver supply is always sup-	
SLIDING OPERATION While operating the sliding switch located seat front and back position adjustment.	d in power seat s	witch, sliding motor operate	s and makes possible the	С
RECLINING OPERATION While operating the reclining switch loca ble the seat back forward and backward			perates and makes possi-	D
LIFTING OPERATION				Ε
While operating the lifting switch located seat cushion up and down position adjust LUMBAR SUPPORT SYSTEM	stment.	witch, lifting motor operates	s and makes possible the	F
LUMBAR SUPPORT SYSTEM	: System Des	scription	INFOID:000000011257668	
Lumbar support can operate regardles	s of the ignition s	switch position because, pov	wer supply is always sup-	G
 plied to lumber support switch. While operating the lumbar support sw ward operation of seatback support. CLIMATE CONTROLLED SEA 		port motor operates which	allows forward and back-	Η
CLIMATE CONTROLLED SEAT	SYSTEM : S	Svstem Diagram	INFOID:000000011257669	
]		
		Seatback thermal electric unit	Seatback thermal electric unit	SE
		operation signal	TEU	Κ
Climate controlled		Seatback thermal electric unit temperature signal	Temperature sensor	L
Seat switch HEAT/COOL LO/MID/HI				M
	Climate controlled seat control unit	Seat cushion thermal electric unit operation signal	Seat cushion thermal electric unit	
Indicator signal		Seat cushion thermal electric unit		Ν
		temperature signal	Temperature sensor	0
		Seat cushion blower motor		Ρ
		speed control signal	Seat cushion blower motor	
			JMJIA4009GB	

< SYSTEM DESCRIPTION >

CLIMATE CONTROLLED SEAT SYSTEM : System Description

INFOID:0000000011257670

• The climate controlled seat system is controlled by the climate controlled seat control unit.

• Operation of the climate controlled switch sends heated or cooled airflow and adjusts the seat temperature.

SEAT CUSHION AND SEATBACK TEMPERATURE ADJUSTMENT FUNCTION

- One thermal electric unit is installed in each seat cushion and seatback. The unit heats or cools, sends airflow to the seat surface, and adjusts the seat temperature.
- The thermal electric unit is a heat exchanger that has a function to heat or cool the airflow from the seat cushion blower motor. By changing the direction of the current from the power supply, the unit takes or gives heat, and adjusts exchange process depending on voltage.

CAUTION:

- The thermal electric unit has a dual-climate function that allows one side to operate at a high temperature and the other to operate at a low temperature simultaneously.
- Before starting always turn OFF the switch and check that the electric unit is cold.

FAIL-SAFE

The fail-safe function is adopted for the climate controlled seat control to <u>SE-16, "CLIMATE CONTROLLED</u> <u>SEAT SYSTEM : Fail-safe"</u>.

CLIMATE CONTROLLED SEAT SYSTEM : Fail-safe

- Climate controlled seat control unit equips fail-safe function.
- When a malfunction occurs in the systems shown below, climate controlled seat control unit stops output.

Malfunction	Malfunctioning condition
The temperature difference between the seatback ther- mal electric unit and seat cushion thermal electric unit is more than 40°C	 When it detects for 4 seconds that the temperature difference between the seatback thermal electric unit and seat cushion thermal electric unit is more than 40°, it stops the output to the thermal electric unit, activates the climate controlled seat blower motor at the maximum position, and sends the external airflow for 30 seconds. If the temperature difference is still more than 40°C after 30 seconds pass, it stops all output and enters the system OFF condition. When the temperature difference between seatback thermal electric unit and seat cushion thermal electric unit becomes less than 20°C, the system recovers automatically. If it detects that the temperature difference is more than 40°C after the automatic system recovery, it immediately stops all output and enters the system OFF condition. NOTE: When the switch operation is performed before entering the system OFF condition, the fail-safe mode is reset.
The temperature of thermal electric unit is more than 110°C in the HEAT mode (any thermal electric unit in the seatback or seat cushion)	 When it detects for 4 seconds that the temperature of the thermal electric unit is more than 110°C, it stops the output to the thermal electric unit, activates the climate controlled seat blower motor at the maximum position, and sends the external airflow for 30 seconds. If the temperature does not become less than 105°C after 30 seconds pass, it stops all output and enters the system OFF condition. When the temperature of the thermal electric unit becomes less than 105°C, the system recovers automatically. If it detects that the temperature of the thermal electric unit is more than 110°C after the automatic system recovery, it immediately stops all output and enters the system OFF condition.
The temperature of the thermal electric unit is more than 45°C in the COOL mode (any thermal electric unit in the seatback or seat cushion)	 When it detects for 4 seconds that the temperature of the thermal electric unit is more than 45°C and less than 70°C, it starts the temperature monitoring of the thermal electric unit at 3 second intervals. While monitoring, if it detects that the temperature continuously rises 2°C or more 4 times or reaches 70°C or more, it stops all output and enters the system OFF condition. If it detects other results of monitoring, it continues activating in the COOL mode.
Thermal electric unit sensor open circuit (in either the back and the cushion)	• When it detects for 4 seconds that the thermal electric unit sensor is an open circuit, it stops all output and enters the system OFF condition.

< SYSTEM DESCRIPTION >

Malfunction	Malfunctioning condition
Climate controlled seat blower motor system open circuit (in the cushion blower)	 When it detects for 2 seconds that climate controlled seat blower motor is an open circuit while the climate controlled seat is being activated, and the battery status has been stable for the same 2 second period, it stops output to the thermal electric unit. When it detects for 10 seconds that the climate controlled seat blower motor is an open circuit while the climate controlled seat is being activated, and the battery status has been stable for the same 10second period, it stops all output and enters the system OFF condition. NOTE: After detecting the climate seat blower motor system open circuit for 2 seconds, the system recovers automatically if the activation of the climate controlled seat blower motor is detected for 1 second or more.
Switch input out of the specified range (either heat input or cool input)	 When it detects for 4 seconds that the rotary switch input is less than 30% of the vehicle battery voltage, it stops all output and enters the system OFF condition. When the switch input returns to a value within the specified range, the system recovers automatically.
HEAT or COOL switch input out of the specified range	 During the standby mode, heating or cooling states, if the rotary switch input is 6% or less of the vehicle battery voltage, it stops all output and enters the system OFF condition. When the switch input returns to a value within the specified range, the system recovers automatically.
System voltage out of range	 If the system voltage at the climate controlled seat control unit falls outside of the 8.5 to 16.5 V operating range, it stops all output after a 500ms time period. When the system voltage returns to the normal operating range (10.5-15.5V with a 500ms hysteresis), the system recovers automatically.

*: System voltage is the voltage between the climate controlled seat control unit power source and ground.

NOTE:

When the ignition status changes to OFF during the fail-safe mode, the control unit shall enter the OFF condition. If the ignition is turned ON, the system shall return to the standby mode. If the system enters in the fail-safe mode again after performing ignition cycle, start the diagnosis.

FRONT HEATED SEAT SYSTEM

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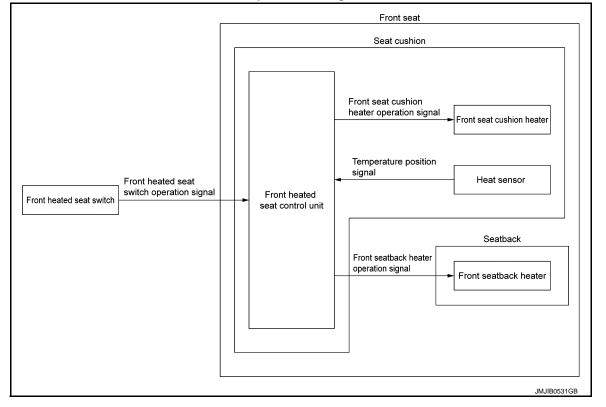
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< SYSTEM DESCRIPTION >

FRONT HEATED SEAT SYSTEM : System Diagram

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FRONT HEATED SEAT SYSTEM : System Description

INFOID:0000000011257673

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

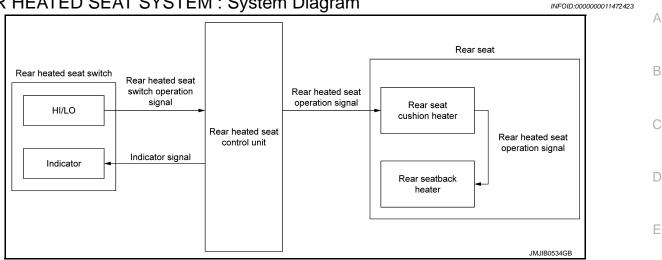
OPERATION DESCRIPTION

- When operating front heated seat switch to any position between 1 and 6 while ignition switch is ON, indicator illuminates, front heated seat control unit controls front seat heater, and warms seat cushion and seatback.
- Heat sensor that is built in front seat cushion heater detects front seat cushion heater temperature and outputs to front heated seat control unit.
- Front heated seat control unit monitors front heated seat switch position and heat sensor temperature, and interrupts ground circuit to front seat heater when heat sensor temperature reaches preset temperature.
- Front heated seat control unit adjusts temperature to preset temperature by interrupting ground circuit to front seat heater.

REAR HEATED SEAT SYSTEM

< SYSTEM DESCRIPTION >

REAR HEATED SEAT SYSTEM : System Diagram



REAR HEATED SEAT SYSTEM : System Description

- Rear heated seat system operates while ignition switch is ON.
- Rear heated seat system is controlled according to rear heated seat control unit.
- Temperature adjustment of rear heated seat can be switched to LO mode of low temperature or HI mode of high temperature.
- Indicator is equipped on rear heated seat switch so that the operation status of each mode can be checked. Н

OPERATION DESCRIPTION

- Rear heated seat control unit warms rear seat cushion, and rear seatback to the low temperature or the high temperature.
- When rear heated seat switch is operated, rear heated seat control unit supplies power supply to rear seat heater and simultaneously turns indicator of rear heated seat switch ON.
- For stopping the operation of rear heated seat, press rear heated seat switch while indicator is ON. Indicator turns OFF and the operation of rear heated seat stops.

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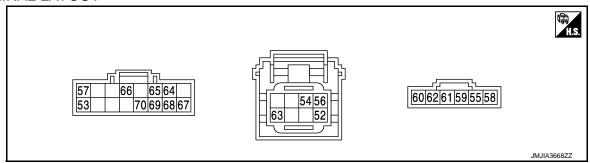
< ECU DIAGNOSIS INFORMATION >

ECU DIAGNOSIS INFORMATION CLIMATE CONTROLLED SEAT CONTROL UNIT

Reference Value

INFOID:000000011257674

TERMINAL LAYOUT



PHYSICAL VALUES

	inal No. e color)	Description		Cond	ition		Voltage (V)	
+	-	Signal name	Input/ Output				(Approx.)	
52 (L/B)	Ground	Climate controlled seat switch power supply	Output	Ignition switch ON			12	
53				Climate controlled	COOL		12	
(Y/W)	Ground	COOL switch indicator signal	Output	seat switch	Other the abo	han the ove	0	
						н	2.6 - 4.2	
54	Ground	HEAT switch signal	Input	Climate controlled	HEAT	MID	1.6 - 2.5	
(Y)	Giouna	HEAT SWICH Signal	mput	seat switch		LO	0.8 - 1.5	
					O	FF	0	
55 (G/R)* ¹ (R/L)* ²	Ground	Ignition switch power supply	Input	Ignition switch ON			Battery voltage	
						HI	2.6 - 4.2	
56	Cround		lanut	Limate controlled	COOL	MID	1.6 - 2.5	
(V)	Ground	COOL switch signal	seat switch	seat switch	Input seat switch		LO	0.8 - 1.5
					OFF		0	
57				Climate controlled	HE	AT	12	
(B/P)	Ground	HEAT switch indicator signal	Output	seat switch	Other the abo	han the ove	0	
58 (B)* ¹ (B/W)* ²	Ground	Ground	_	_	-		0	
59	Cround	Seatback thermal electric unit	Output	Climate controlled	HEAT o	r COOL	0 - 12*	
(LG/R)	Ground	HEAT signal	Output	seat switch	OFF		0	
60	Ground	Seatback thermal electric unit	Output	Climate controlled	HEAT o		0 - 12 [*]	
(LG/B)		COOL signal	signal seat switch		O	FF	0	
61	Ground	Seat cushion thermal electric	Output	Climate controlled	HEAT o	r COOL	0 - 12*	
(Y/R)	Croand	unit HEAT signal	Calput	seat switch	OFF		0	

< ECU DIAGNOSIS INFORMATION >

62	Ground	Seat cushion thermal electric	Output	Climate controlled	HEAT o	r COOL	0 - 12*	
(B/R)	Cround	unit COOL signal	Output	seat switch		F	0	
63 (R)	Ground	Ignition switch power supply	Input	Ignition switch ON			Battery voltage	
64 (W/R)	Ground	Seat cushion blower motor pow- er supply	Output	Climate controlled seat switch	HEAT o	r COOL	12	
(**/13)				Other than the above			0	
65 (W/B)	Ground	Seat cushion blower motor ground	_		-		0	
		Seat cushion blower motor Output Climate controlled		HEAT	AT	6.5 - 8		
66	Ground		Output	Climate controlled	ed COOL	HI	10	
(Y/G)	Giouna	speed control signal	Output	seat switch		MID	8	
					LO	6		
67 (L/R)	Ground	Seatback thermal electric unit sensor signal	Input	Climate controlled sea	t operated		1 - 5	
68 (L)	Ground	Seatback thermal electric unit sensor ground		Ignition switch ON		0		
69 (G/B)	Ground	Seat cushion thermal electric unit sensor signal	Input	Climate controlled seat operated		1 - 5		
70 (G/W)	Ground	Seat cushion thermal electric unit sensor ground	_	Ignition switch ON			0	

 * : It value changes between 12 V and 0 V.

^{*1}: Driver side

*2: Passenger side

NOTE:

- Measure the value on the condition that the battery voltage is 14 V.
- Wait 1 minute or more after thermal electric unit is activated, and then start the measurement.

Fail-safe

- Climate controlled seat control unit equips fail-safe function.When a malfunction occurs in the systems shown below, climate controlled seat control unit stops output.

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< ECU DIAGNOSIS INFORMATION >

Malfunction	Malfunctioning condition
The temperature difference between the seatback ther- mal electric unit and seat cushion thermal electric unit is more than 40°C	 When it detects for 4 seconds that the temperature difference between the seatback thermal electric unit and seat cushion thermal electric unit is more than 40°, it stops the output to the thermal electric unit, activates the climate controlled seat blower motor at the maximum position, and sends the external airflow for 30 seconds. If the temperature difference is still more than 40°C after 30 seconds pass, it stops all output and enters the system OFF condition. When the temperature difference between seatback thermal electric unit and seat cushion thermal electric unit becomes less than 20°C, the system recovers automatically. If it detects that the temperature difference is more than 40°C after the automatic system recovery, it immediately stops all output and enters the system OFF condition. NOTE: When the switch operation is performed before entering the system OFF condition, the fail-safe mode is reset.
The temperature of thermal electric unit is more than 110°C in the HEAT mode (any thermal electric unit in the seatback or seat cushion)	 When it detects for 4 seconds that the temperature of the thermal electric unit is more than 110°C, it stops the output to the thermal electric unit, activates the climate controlled seat blower motor at the maximum position, and sends the external airflow for 30 seconds. If the temperature does not become less than 105°C after 30 seconds pass, it stops all output and enters the system OFF condition. When the temperature of the thermal electric unit becomes less than 105°C, the system recovers automatically. If it detects that the temperature of the thermal electric unit is more than 110°C after the automatic system recovery, it immediately stops all output and enters the system OFF condition.
The temperature of the thermal electric unit is more than 45°C in the COOL mode (any thermal electric unit in the seatback or seat cushion)	 When it detects for 4 seconds that the temperature of the thermal electric unit is more than 45°C and less than 70°C, it starts the temperature monitoring of the thermal electric unit at 3 second intervals. While monitoring, if it detects that the temperature continuously rises 2°C or more 4 times or reaches 70°C or more, it stops all output and enters the system OFF condition. If it detects other results of monitoring, it continues activating in the COOL mode.
Thermal electric unit sensor open circuit (in either the back and the cushion)	• When it detects for 4 seconds that the thermal electric unit sensor is an open circuit, it stops all output and enters the system OFF condition.
Climate controlled seat blower motor system open circuit (in the cushion blower)	 When it detects for 2 seconds that climate controlled seat blower motor is an open circuit while the climate controlled seat is being activated, and the battery status has been stable for the same 2 second period, it stops output to the thermal electric unit. When it detects for 10 seconds that the climate controlled seat blower motor is an open circuit while the climate controlled seat is being activated, and the battery status has been stable for the same 10second period, it stops all output and enters the system OFF condition. NOTE: After detecting the climate seat blower motor system open circuit for 2 seconds, the system recovers automatically if the activation of the climate controlled seat blower motor is detected for 1 second or more.
Switch input out of the specified range (either heat input or cool input)	 When it detects for 4 seconds that the rotary switch input is less than 30% of the vehicle battery voltage, it stops all output and enters the system OFF condition. When the switch input returns to a value within the specified range, the system recovers automatically.

< ECU DIAGNOSIS INFORMATION >

Malfunction	Malfunctioning condition
HEAT or COOL switch input out of the specified range	 During the standby mode, heating or cooling states, if the rotary switch input is 6% or less of the vehicle battery voltage, it stops all output and enters the system OFF condition. When the switch input returns to a value within the specified range, the system recovers automatically.
System voltage out of range	 If the system voltage at the climate controlled seat control unit falls outside of the 8.5 to 16.5 V operating range, it stops all output after a 500ms time period. When the system voltage returns to the normal operating range (10.5-15.5V with a 500ms hysteresis), the system recovers automatically.

*: System voltage is the voltage between the climate controlled seat control unit power source and ground.

NOTE:

When the ignition status changes to OFF during the fail-safe mode, the control unit shall enter the OFF condition. If the ignition is turned ON, the system shall return to the standby mode. If the system enters in the fail-safe mode again after performing ignition cycle, start the diagnosis.

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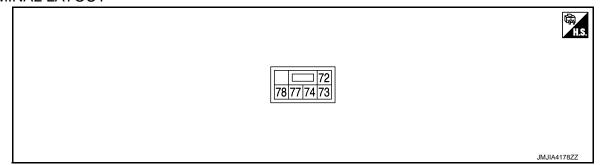
FRONT HEATED SEAT CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

FRONT HEATED SEAT CONTROL UNIT

Reference Value

INFOID:000000011257676



PHYSICAL VALUES

Termin (Wire		Description		Condition		Voltage (V)	
+	-	Signal name	Input/ Output		Condition	(Approx.)	
					OFF	0	
					1 (Min. temperature)	10.66 ^{*1}	
72 Ground Front heated (LG/B) Ground signal				2	11.18 ^{*1}		
	Front heated seat switch signal	Input	Front heated seat switch	3	11.76 ^{*1}		
	eigitai			4	12.12 ^{*1}		
					5	12.47 ^{*1}	
					6 (Max. temperature)	12.83 ^{*1}	
73	Ground	Front heated seat opera-	Input	Front heated	ON	Battery voltage	
(LG/R)	Giouna	tion signal	input	seat switch	OFF	0	
74 (B) ^{*3} (B/W) ^{*4}	Ground	Ground	_		_	0	
77					ON	Battery voltage	
(R) ^{*3} (R/W) ^{*4}	Ground	Battery power supply	Input	Ignition switch	Other than the above	0	
78 (LG/Y)	Ground	Front seatback heater sig- nal	Input	Front heated seat	Operated	0.48 ^{*2}	

 *1 : When thermistor temperature is 20°C (68°F).

*2 : Voltage changes according to temperature of front seatback heater.

*3 : Driver side

^{*4} : Passenger side

REAR HEATED SEAT CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

REAR HEATED SEAT CONTROL UNIT

Reference Value

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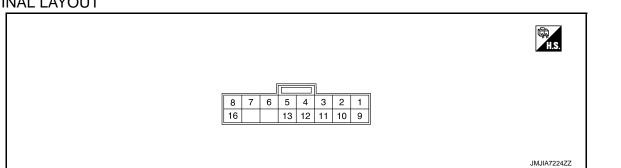
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TERMINAL LAYOUT



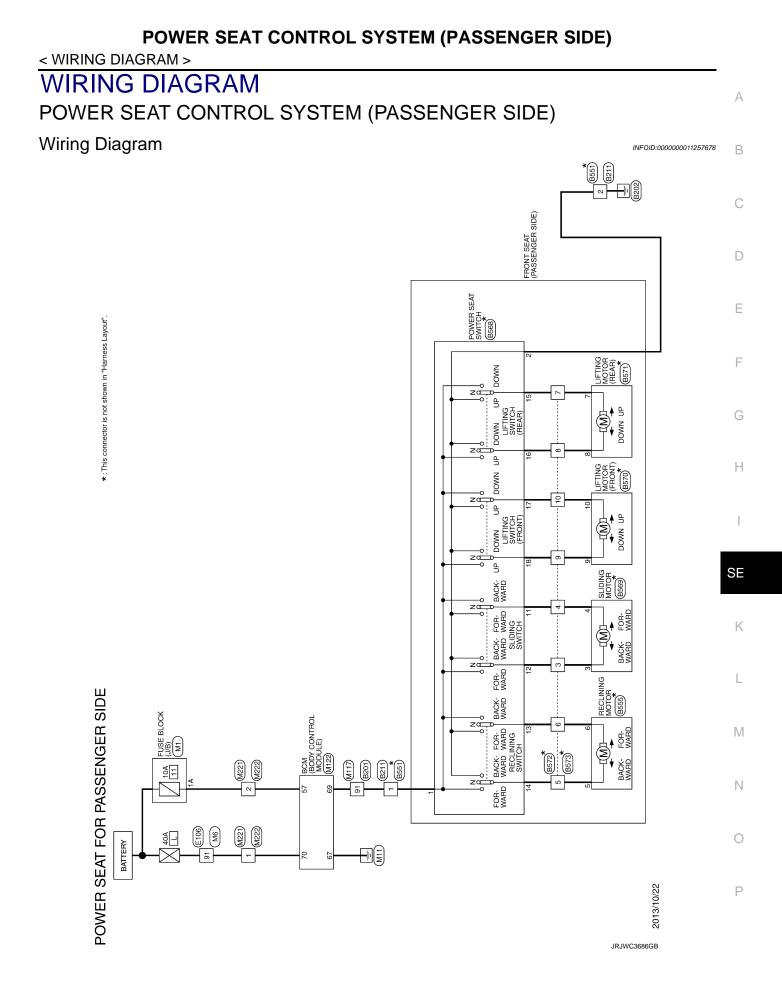
PHYSICAL VALUES

	inal No. e color)	Description		Conc	lition	Voltage (V)	
+	-	Signal name	Input/ output	Conc		(Approx.)	
1		Rear heated seat		Rear heated seat	LO mode	0	
(L)	Ground	switch RH LO indica- tor signal	Output	switch	Other than the above	12	
2		Rear heated seat RH		Rear heated seat	LO mode	12	
(LG)	Ground	LO signal	Output	switch	Other than the above	0	
3		Rear heated seat		Rear heated seat	LO mode	0	ſ
(V)	Ground	switch LH LO indica- tor signal	Output	switch	Other than the above	12	
4		Rear heated seat		Rear heated seat	HI mode	0	
4 (P)	Ground	switch RH HI signal	Output	switch	Other than the above	5	
5		Rear heated seat RH		Rear heated seat	HI mode	12	
(SB)	Ground	HI signal	Output	switch	Other than the above	0	
6		Rear heated seat		Rear heated seat	HI mode	0	
(G)	Ground	switch RH HI indica- tor signal	Output	switch	Other than the above	12	
7		Rear heated seat LH		Rear heated seat	HI mode	12	
(SB)	Ground	HI signal	Output	switch	Other than the above	0	
0		Rear heated seat		Boor booted cost	HI mode	0	
8 (BR)	Ground	switch LH HI indicator signal	Output	Rear heated seat switch	Other than the above	12	
9 (R)	Ground	Ignition power supply	Input	Ignition switch ON		Battery voltage	
10	Ground	Rear heated seat	Input	Rear heated seat	LO mode (while pressing)	0	
(Y)	Ground	switch RH LO signal	input	switch	Other than the above	5	

REAR HEATED SEAT CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

	inal No. e color)	Description		Conc	lition	Voltage (V)
+	-	Signal name	Input/ output	Conc		(Approx.)
11	Ground	Rear heated seat	Input	Rear heated seat	LO mode (while pressing)	0
(GR)	Ground	switch LH LO signal	mput	switch	Other than the above	5
12		Rear heated seat LH		Rear heated seat	LO mode	12
(LG)	Ground	LO signal	Output	switch	Other than the above	0
13		Rear heated seat		Rear heated seat	LO mode	0
(W)	Ground	switch LH HI signal	Output	switch	Other than the above	5
16 (B)	Ground	Ground	_	_	- -	0



< WIRING DIAGRAM >

B551	WIRE TO WIRE					50 49 5/ 40 - 41 35 48 4/ 46	56 58 55 54 53 2 52 1	3 NO 10 NO 00				signal Name [specification]		-	-	-	-		-		-		,	 [With heated seat] 	 [With climate controlled seat] 	 [With heated seat] 	 [With climate controlled seat] 		 [With heated seat] 			<u>^</u>	 [With heated seat] 												
Connector No.	Connector Name	2 I I	Connector Lype		e	<i>ю</i> .н					Terminal Color Of	Wire	۲	œ	λ/M	W/G	GR	æ	U	Ρ	٩		87	RW		B/W	>	G/R	LG/R	>	B/P	S N B	LG/B												
Connec	- Constant		Connec	E							Termin	ю Х	-	2	35	40	41	46	47	48	49	50	52	53	53	54	54	55	55	29	57	28	28												
B211	WIDE TO WIDE		IKIUFW-NS8				1 52 2 53 54 55 58 56	00 00 L0 00 7			- - - - - - - - - - - - - - - - - - -	signal Name (specification)													 [With heated seat] 	 [With climate controlled seat] 				 [With climate controlled seat] 	 [With heated seat] 														
	9										Color Of	Wire	BR	œ	U	_	ш	Y	BR	SHIELD	_	B/W	BB	0	в	۲	>	σ	>	ш	ЯB														
Connector No.	Connector Name		CONTECTOR 1 ype	E		2					Terminal Color Of	No.	+	2	35	40	41	46	47	48	49	50	52	53	54	54	55	56	57	58	58														
	-				-		-					-		-							-				-	-											- [With heated seat]	- [With climate controlled seat]		,	-	•	-		
0	Ľ	GR GR	2,	1 a	N	0	~	BB	_	~	ß	ГG	-	~	SB	в	-	_	ш	в	_	SHIELD	U	۳	Ъ	U	0	ЯЯ	ц	>	ĽG	>	0;	-	¥ -	, œ	í c	, , ,	. Ho	>	٩	LG	LG	Y	
Щ ⁶	Н	51	3 5	56	57	58	59		62	63	64		99	67	68	69	71	72	73	74	75		77	78	79	80	+	82	+	_	-	86	87	╉	68 00	╀	+	8	+	┝	97	98	\vdash	100	
POWER SEAT FOR PASSENGER SIDE	WIPE TO MIPE		-BUMWV-CS1b-1 M4		1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 7 10 20 20 20 20 20 20 20 20 20 20 20 20 20	4 0 000 000 000 000 000 000 000 000 000	1 50 100 100 100 100 100 100 100 100 100				Signal Name (Specification)										- [Without ADAS]	- [With ADAS]					- 1				 					 			,		 [With climate controlled seat] 	- [With heated seat]	 [With climate controlled seat] 	- [With heated seat]
일											Terminal Color Of	Wire	Y	۲	Я	Ņ	>	æ	U	7	_	۲	~	GR	٩	BR	ЯGR	~	ц	æ	>	m	3 :	>	a c	, a/a	í ≻	. HEI D	W/R	>	SB	œ	Y	U	GR
POWER :	Connector Name					2					ő	-									L		-											_		⊥		U.	5						

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POWER SEAT CONTROL SYSTEM (PASSENGER SIDE) < WIRING DIAGRAM >

А В Signal Name [Specification] Signal Name [Specification] 39 38 **• 1** 7 8 6 5 4 3 10 5 С WIRE TO WIRE WIRE TO WIRE 5 3 8 8 0 8 8 8 0 NS10MW-C5 olor Of Wire 9 10 8R ≺ L/R L/R Y/W Connector Name Connector Type olor C Wire Connector Name <u>နက္က ဂျပန္က</u> D ΓĽ Connector No. nector No. H.S. H.S. ź Ē ß £ Ε Signal Name [Specification] Signal Name [Specification] LIFTING MOTOR (REAR) Ē₽ 8701 F WIRE TO WIRE ∞ 968182 Tvco G Connector Name Connector Type Connector No. Connector Name G/B R/M R/G Y/B LG/R olor C Wire Wire Connector Type mector No. H.S. AHS. erminal No. 8 8 irmina No. ß ß ð Н Signal Name [Specification] Signal Name [Specification] 43 LIFTING MOTOR (FRONT) **₽**₽ Connector Type YAZAKI_7283-1060 SLIDING MOTOR 968182 SE ð Connector No. Connector Name lor Of Connector Name olor Of Wire Vire L/R Type H.S. AHS. Κ erminal No. erminal No. POWER SEAT FOR PASSENGER SIDE ß E L Signal Name [Specification] Signal Name [Specification] 12 11 15 1 Ð POWER SEAT SWITCH nnector Type SUMITOMO_6189-070 RECLINING MOTOR Μ B568 nnector No. olor Of Wire C/W R/G R/W Y/B Y/R LG/B LG/R Connector Name Color Of Wire onnector Name r Type 80 Ν СĽ H.S. TH.S. arminal No. No. F F

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Passender Random Image: State of the s	Connector No. M6	Connector Name WIRE TO WIRE 49 BG	Connector Tune				[65] R - [With ICC]	nal Color Of Signal Name (Specification) 65 Y	No. Wire 55 P		5 M	W 72 R	- 73 G	- 74 Y	9 Y - 75 B	10 W - 76 SH	11 R - 77 B	· · · · · · · · · · · · · · · · · · ·		6A 5A 4A B B B		21 88	22 L 89 LG	P	SHIELD - 91	92	 31 BG		 100 · · ·	, , ,	í	BR	+
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POWER SEAT CONTROL SYSTEM (PASSENGER SIDE) < WIRING DIAGRAM >

А В Signal Name [Specification] 1 2 3 С WIRE TO WIRE Connector Name Vire W D Connector Type nector No. H.S. ź Ē Ε 20 BCM (BODY CONTROL MODULE) Signal Name [Specification] Signal Name [Specification] 69 LAMP PWR 68 32 F 67 FEA09FW-FHA6-SA NT ROOM WIRE TO WIRE 7 58 66 <u>565</u> M221 G č 5 Connector Name Connector Type Connector Name olor C Wire olor C Wire 3 2 3 Connector No. hector No. H.S. H.S. 62 Ň ermina No. <u>ത</u> ß ß Н SE L B 28 ≺ L C 2 B 2 X < C ≤ X C SHIELD G г <mark>В Ч В В В В С с с В В В В С г</mark> > ʊ ≥ > ≥ > ₩ ʊ > - ≥ ß Κ 58 59 61 62 62 63 64 65 65 66 68 72 74 75 76 79 69 82 84 85 86 99 100 80 6 8 8 8 POWER SEAT FOR PASSENGER SIDE L Signal Name [Specification] Μ WIRE TO WIRE nnector Type TH80FW-CS16-Connector Name Color C Wire ≻ ରି କ ଞ ଞ ≶ ß 며 照 문 ≃ ≥ > ແ ເ ≥ اں م SB Ν ector No. H.S. No. 49 49 ß

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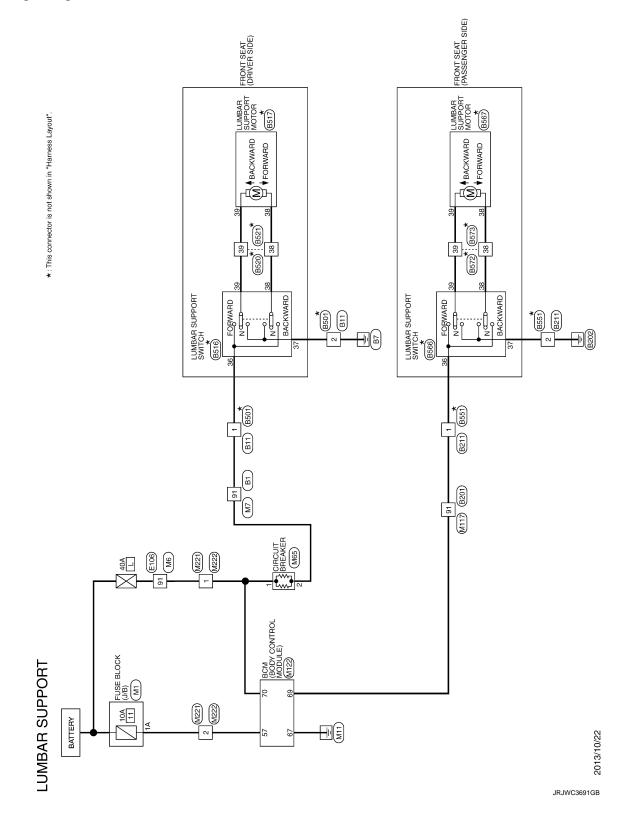
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< WIRING DIAGRAM >

LUMBAR SUPPORT SYSTEM

Wiring Diagram

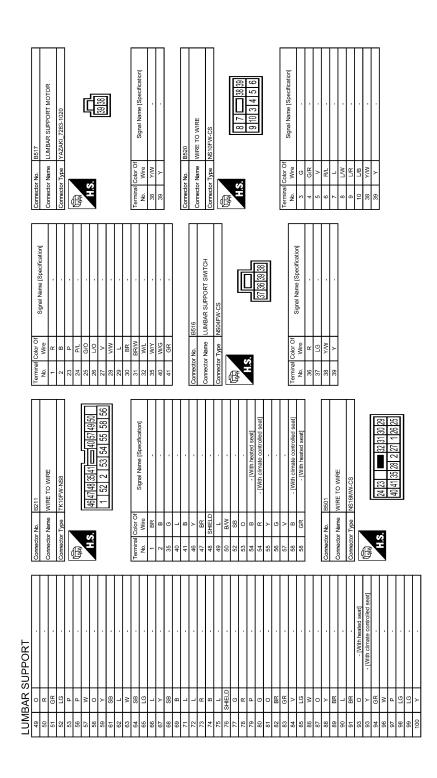


LUMBAR SUPPORT SYSTEM

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33.4140 44.4404 attention 33.441404	E
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37 37 37 37 37 37 37 37 37 38 37 37 39 37 37 39 37 37 31 37 37 32 37 37 37 37 37 38 37 37 39 37 37 31 37 37 32 37 37 33 37 37 34 45 45 35 35 57 45 36 37 37 37 37 37 37 37 38 37 37 37 38 38 38 38 39 37 37 37 30 37 37 37 31 38 38 38 32 38 38 38 33 38 38 38 34	K
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Annual Subbation Signal New Specification Connector Name New Specification Connector Name New FT- OWNE Connector	Μ
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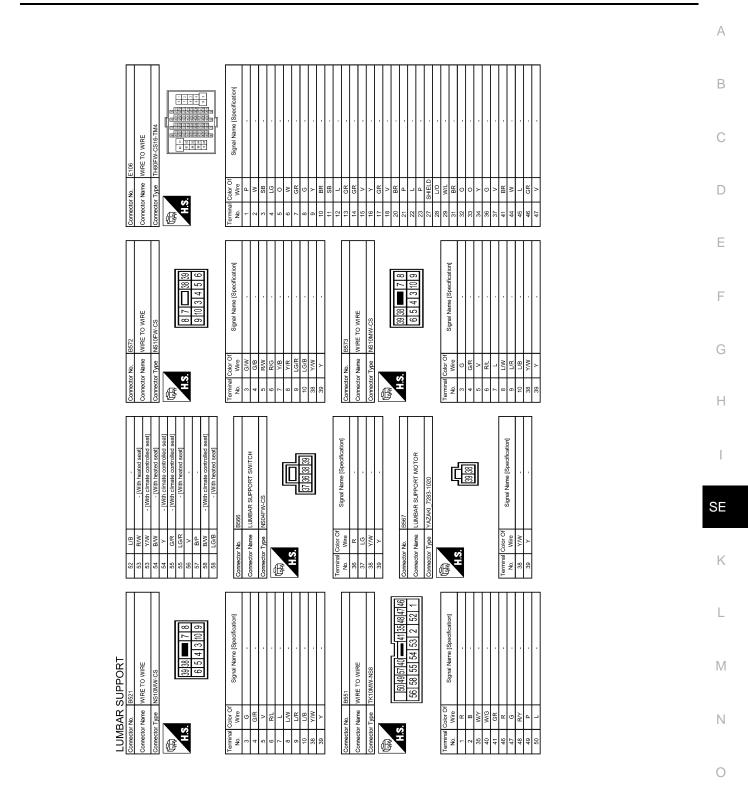
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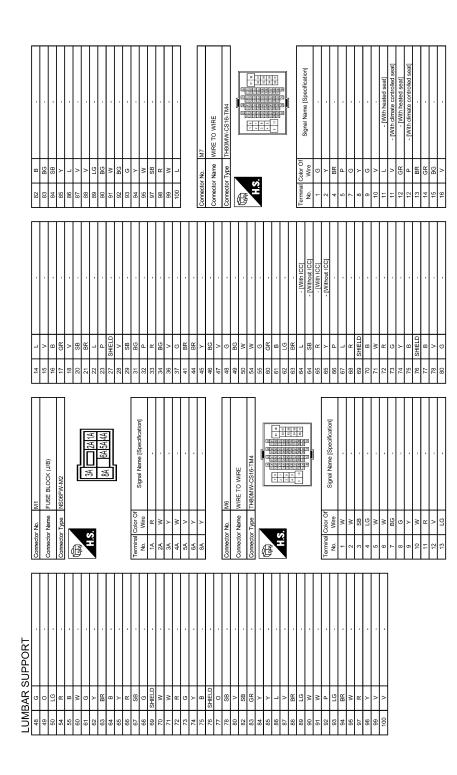
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LUMBAR SUPPORT SYSTEM

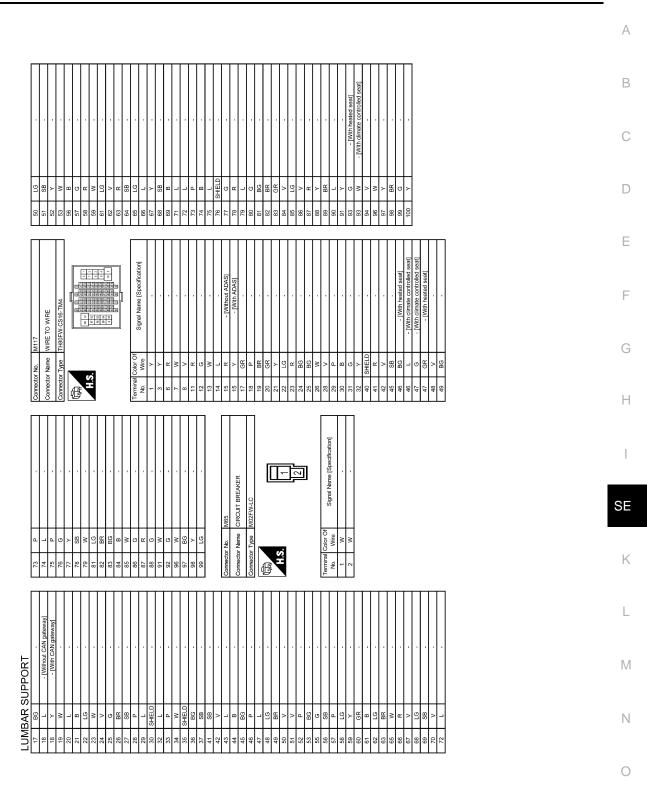


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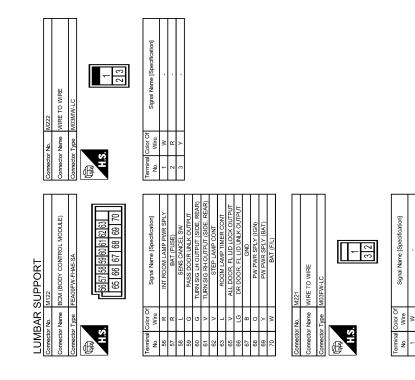
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LUMBAR SUPPORT SYSTEM

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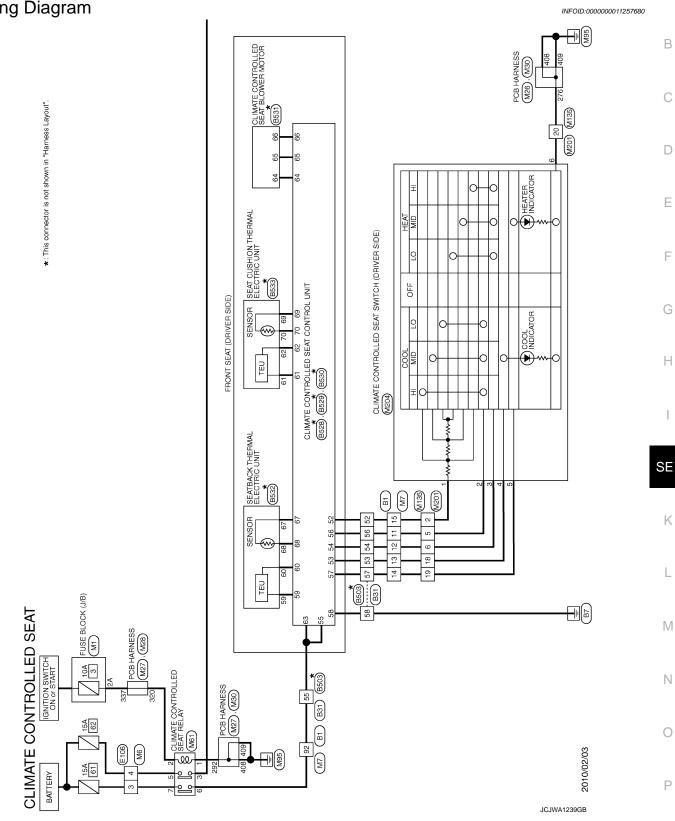
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CLIMATE CONTROLLED SEAT SYSTEM

< WIRING DIAGRAM >

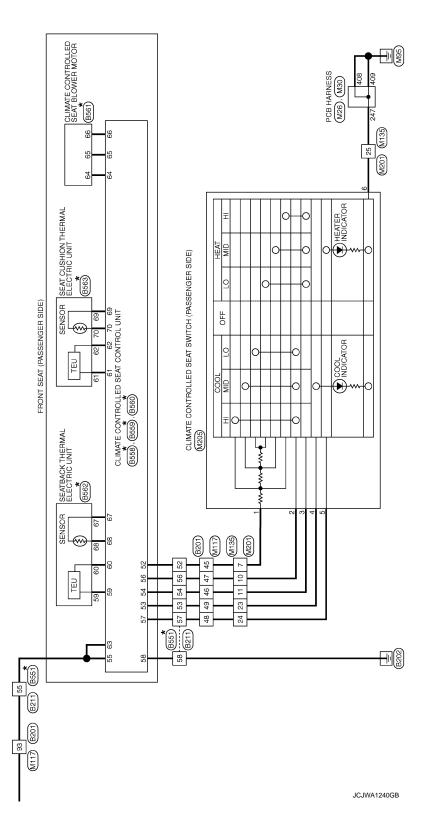
CLIMATE CONTROLLED SEAT SYSTEM

Wiring Diagram



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< WIRING DIAGRAM >



CLIMATE CONTROLLED SEAT SYSTEM

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

CLIMATE CONTROLLED SEAT SYSTEM

< WIRING DIAGRAM >

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B0:01 Wree To wree Theomwork CSIS Entration Signal Name Nummark Nummark Signal Name	С
Connector No. Emeranda Connector No. Emeranda Connector No. Emeranda Connector No. Emeranda No. Wire 1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 <td>D</td>	D
	E
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97 0 99 16 99 16 99 16 99 16 10 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 11 16 12 17 13 16 14 16 15 17 16 17 17 16 18 16 17 16 17 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 <t< td=""><td>Н</td></t<>	Н
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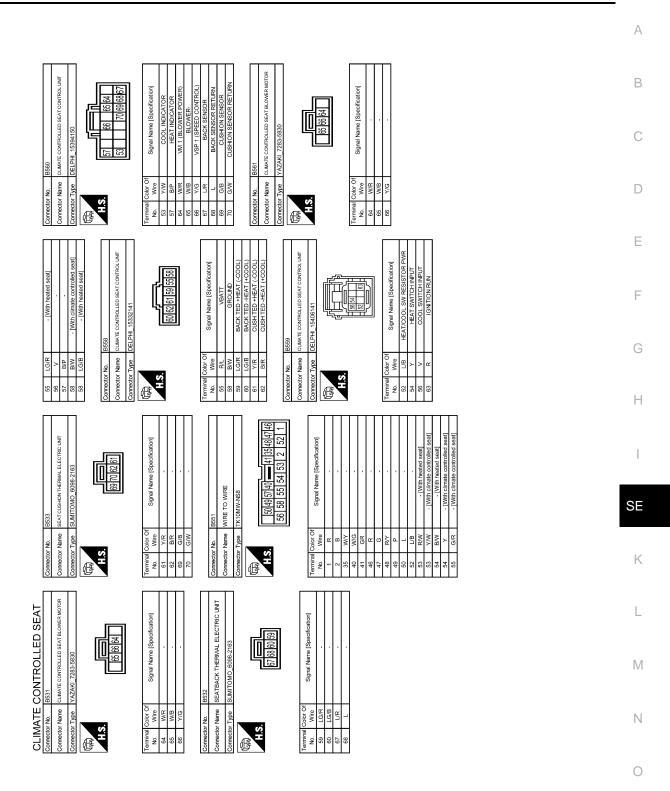
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리	MA	CLIMATE CONTROLLED SEAT								
49	+	. 0	Con	Connector No.	B211	Termin	Ferminal Color Of	Signal Name [Specification]	Connector No.	B529
50	+		Conr	Connector Name	WIRE TO WIRE	Ź	Wire	[Connector Name	Connector Name CLIMATE CONTROLLED SEAT CONTROL UNIT
2	+	GR -				46	œ			
5,	+		Con	Connector Type	TK10FW-NS8	47	G		Connector Type	DELPHI_15406141
53	_		Į			48	RY		ģ	
56	+		F			49	۵		厚	
5)	-			Ĕ		20	_			
58		. 0		2		52	L/B	 [With climate controlled seat] 	6-H	
59	_	۲ -			1 52 2 53 54 55 58 56	52	œ	 [With heated seat] 		- <u>56 54</u> -
61		SB -				53	LG/R	 [With heated seat] 		
62		T				53	ΜY	 [With climate controlled seat] 		
63		- -				5	LG/B	 [With heated seat] 		
64		SB .	Tern	erminal Color Of		54	~	 [With climate controlled seat] 	Terminal Color Of	
6£			No	o. Wire		55	G/R		No. Wire	
99		L .		1 BR		56	V		52 L/B	HEAT/COOL SW RESISTOR PWR
67		۲ - ۲		2 B		57	B/P		54 Y	HEAT SWITCH INPUT
68		SB	ŝ	35 G		58	в		56 V	COOL SWITCH INPUT
39		B .	4	40 L					63 R	IGNITION RUN
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80		G .	ŵ	54 R	 [With climate controlled seat] 			60 62 61 59 55 58	2 E	57 66 65 64
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86	_					55	G/R	VBATT	-	
87	-	. 0				28	m	GROUND	-	COOL INDICATOR
88	_	۲ -	Cont	Connector No.	B503	59	LG/R	BACK TED +HEAT (-COOL)	-	HEAT INDICATOR
89		BR -		Connector Manual		99	LG/B	BACK TED -HEAT (+COOL)	64 W/R	VM 1 (BLOWER POWER)
6	_		5			61	Y/R	CUSH TED +HEAT (-COOL)	65 W/B	BLOWER-
91		BR -	Con	Connector Type	NS12MW-CS	62	B/R	CUSH TED -HEAT (+COOL)	66 Y/G	VSP 1 (SPEED CONTROL)
93	_	 [With heated seat] 							67 L/R	BACK SENSOR
93		Y - [With climate controlled seat]	ß						с 1 89	BACK SENSOR RETURN
94		GR -		é					69 G/B	CUSHION SENSOR
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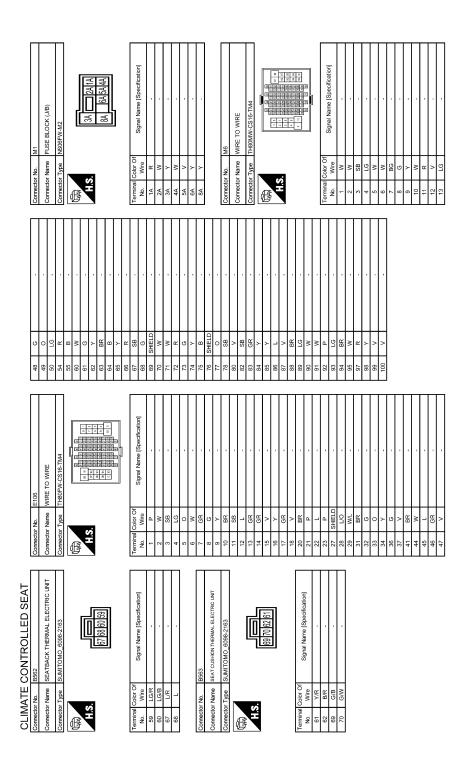
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CLIMATE CONTROLLED SEAT SYSTEM



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CLIMATE CONTROLLED SEAT SYSTEM

< WIRING DIAGRAM >

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254	N	 [With climate controlled seat] 	296	GR	- 2	337	W		430 LG -
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CLIMATE CONTROLLED SEAT SYSTEM

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Connector No. Connector Name	Connector Type	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $
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M135 WIRE TO WIRE	THERE FW-NHH (19) (19) (19) (19) (19) (19) (19) (19)	Signal Name (Specification) Signal Name (Specification) . (With heated seat) . (With cheated seat)
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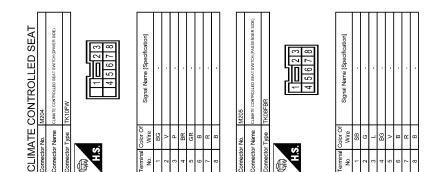
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CLIMATE CONTROLLED SEAT SYSTEM

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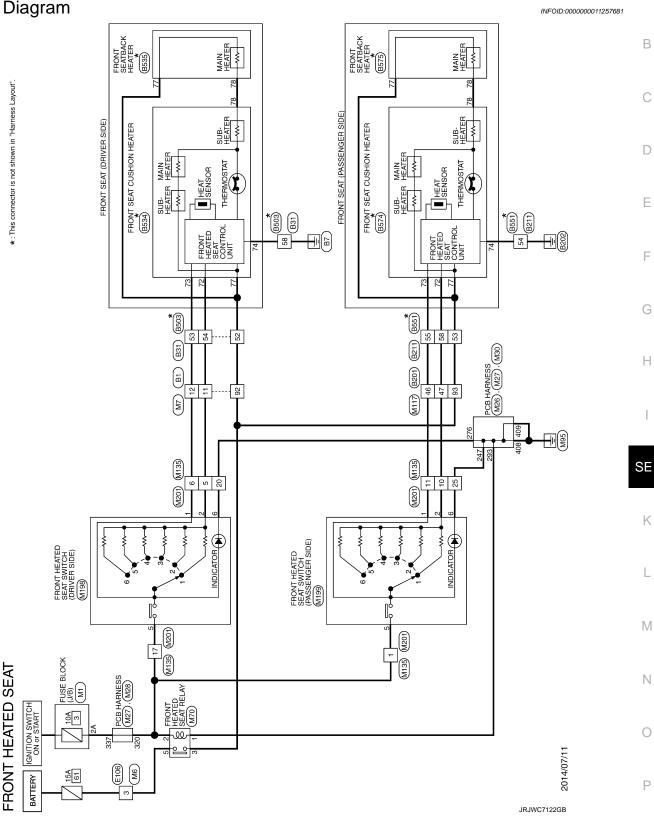


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< WIRING DIAGRAM >

FRONT HEATED SEAT SYSTEM

Wiring Diagram



Revision: 2014 November

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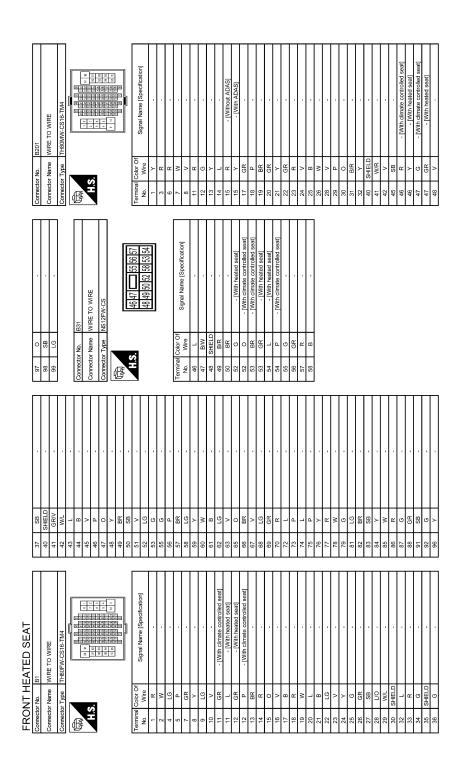
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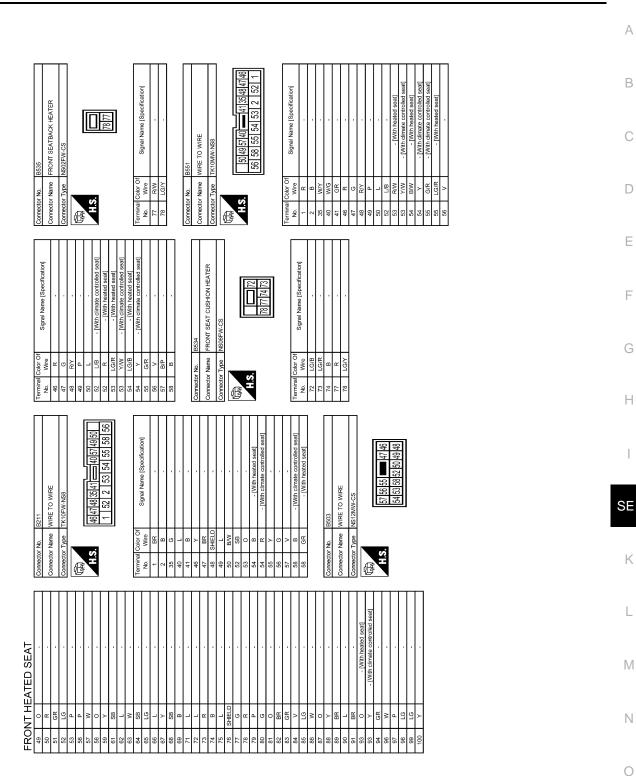
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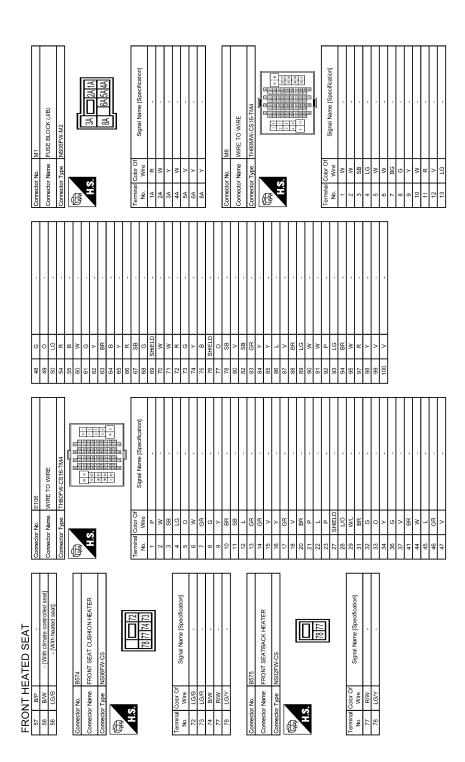
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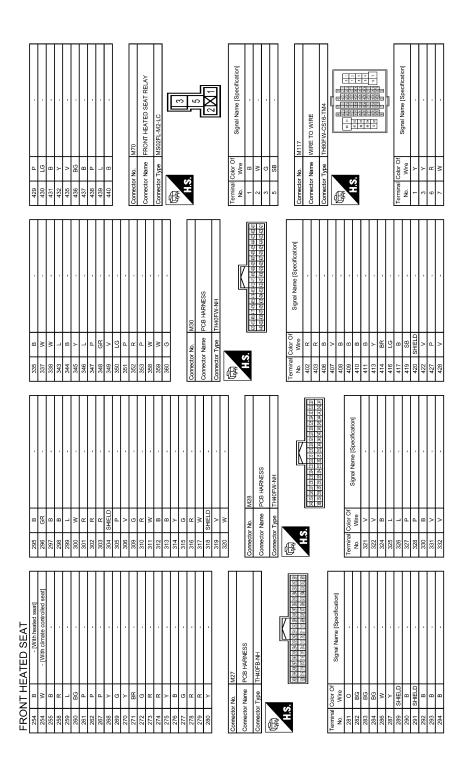


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- (Without CAN gateway) - (With CAN gateway) - (With CAN gateway) - (With CAN gateway) 	F
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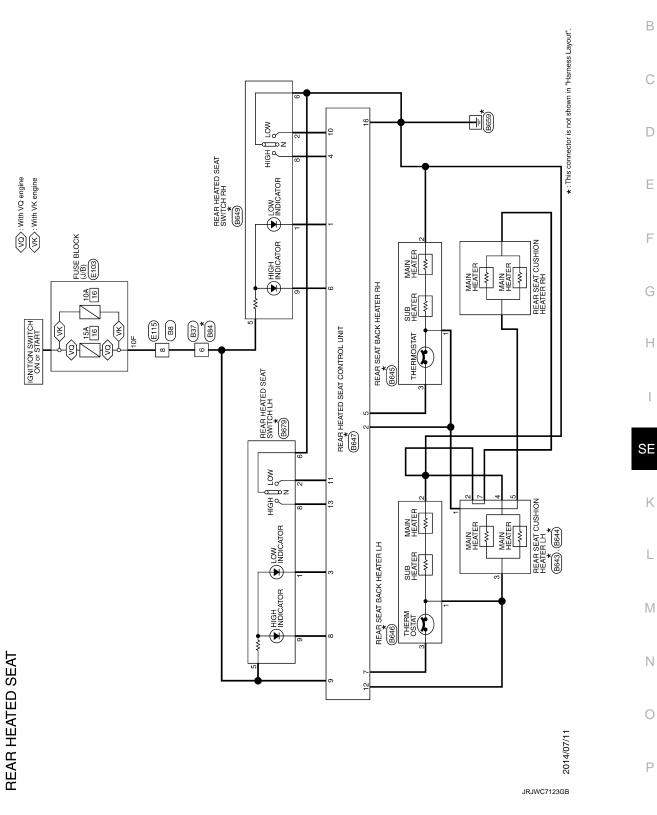
FRONT HEATED SEAT													 [With climate controlled seat] 	 [With heated seat] 				
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< WIRING DIAGRAM >

REAR HEATED SEAT SYSTEM

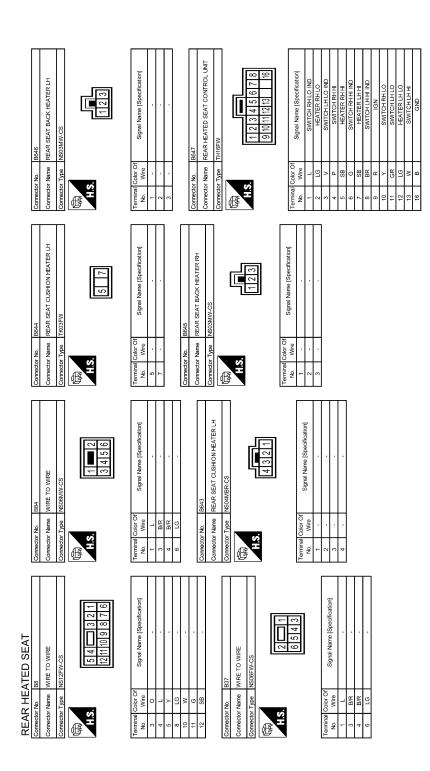
Wiring Diagram



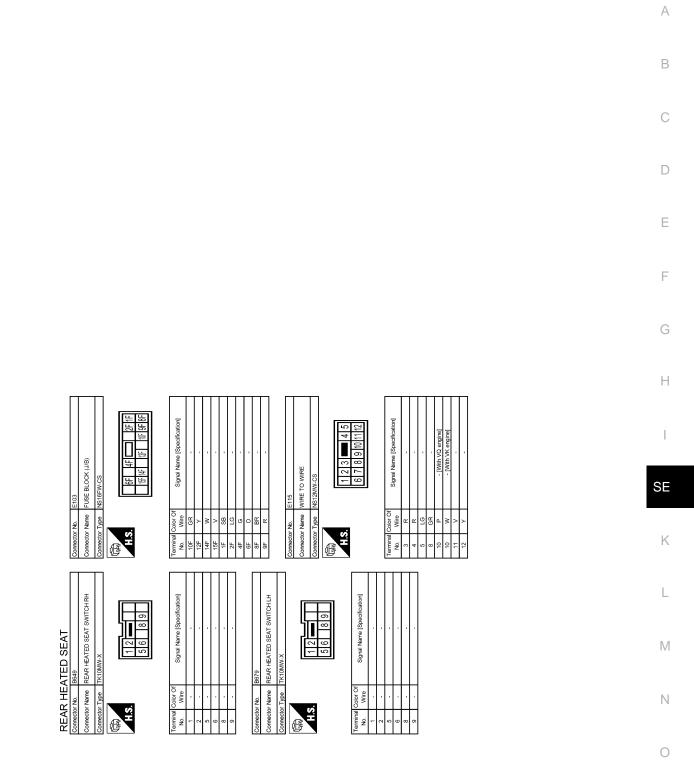
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INFOID:000000011472437

REAR HEATED SEAT SYSTEM



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< BASIC INSPECTION >

BASIC INSPECTION DIAGNOSIS AND REPAIR WORK FLOW

Work Flow

INFOID:000000011257682

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 "DTC/CIRCUIT DIAGNOSIS"

Perform the diagnosis with "DTC/CIRCUIT 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.

PC < DTC/CIRCUIT DIAGNOS		D GROUND CIRCUI	т
DTC/CIRCUIT			
POWER SUPPLY A			
CLIMATE CONTROL	LED SEAT CONTRO		
CLIMATE CONTROLL	ED SEAT CONTRO	L UNIT : Diagnosis P	rocedure INFOID:000000011257683
Driver side			
1.CHECK FUSE			
Check that the following fuse	and fusible link are not fu	isina	
		ionig.	
Signal	name	Fuse	No.
	wer supply	3 (10	,
	wer supply	61 (1	5 A)
Is the inspection result norma YES >> GO TO 2.	<u>al :</u>		
	vn fuse after repairing the	affected circuit.	
2. CHECK CLIMATE CONTI	ROLLED SEAT CONTROI	L UNIT (DRIVER SIDE) PO	WER SUPPLY
3. Turn ignition switch ON.	olled seat control unit (driv	ver side) connector. ntrol unit (driver side) harne	ss connector and ground.
(-	+)		
Climate controlled seat	control unit (driver side)	(-)	Voltage (V) (Approx.)
Connector	Terminal		
B528	55	Ground	Battery voltage
B529 Is the inspection result norma	63		
YES >> GO TO 3. NO >> GO TO 4. 3. CHECK CLIMATE CONTI 1. Turn ignition switch OFF	ROLLED SEAT CONTRO	L UNIT (DRIVER SIDE) GR er side) harness connector	
Climate controlled seat	control unit (driver side)		Continuity
Connector	Terminal	Ground	Continuity
B528	58		Existed
Is the inspection result normal YES >> INSPECTION EI NO >> Repair or replace 4.CHECK CLIMATE CONTI 1. Turn ignition switch OFF	ND e harness. ROLLED SEAT CONTROI	L UNIT (DRIVER SIDE) PO	WER SUPPLY CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

Climate controlled seat	control unit (driver side)	Climate contro	olled seat relay	Continuity
Connector	Terminal	Connector	Terminal	Continuity
B528	55	M61	6	Existed
B529	63		0	LAISIEU

4. Check continuity between climate controlled seat control unit (driver side) harness connector and ground.

Climate controlled sea	control unit (driver side)		Continuity
Connector	Terminal	Ground	Continuity
B528	55	Gibunu	Not existed
B529	63		NOI EXISIEU

Is the inspection result normal?

YES >> GO TO 5.

NO >> Repair or replace harness.

5.CHECK CILMATE CONTROLLED SEAT RELAY POWER SUPPLY

1. Turn ignition switch ON.

2. Check voltage between climate controlled seat relay harness connector and ground.

(+) Climate controlled seat relay		(-)	Voltage (V) (Approx.)
Connector	Terminal		()
 M61	2	Ground	Battery voltage
	7	Ground	Ballery vollage

Is the inspection result normal?

YES >> GO TO 6.

NO >> Repair or replace harness.

$\mathbf{6}$.CHECK CLIMATE CONTROLLED SEAT RELAY GROUND CIRCUIT

1. Turn ignition switch OFF.

2. Check continuity between climate controlled seat relay harness connector and ground.

Climate contro	blled seat relay		Continuity
Connector	Terminal	Ground	Continuity
M61	1		Existed

Is the inspection result normal?

YES >> GO TO 7.

NO >> Repair or replace harness.

7.CHECK CLIMATE CONTROLLED SEAT RELAY

Check climate controlled seat relay.

Refer to SE-64, "CLIMATE CONTROLLED SEAT CONTROL UNIT : Component Inspection".

Is the inspection result normal?

YES >> GO TO 8.

NO >> Replace climate controlled seat relay.

8. CHECK INTERMITTENT INCIDENT

Refer to GI-44, "Intermittent Incident".

>> INSPECTION END

Passenger side

1.CHECK FUSE

< DTC/CIRCUIT DIAGNOSIS >

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

		A
Signal name	Fuse No.	
Ignition power supply	3 (10 A)	
Battery power supply	62 (15 A)	В

Is the fuse fusing?

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

2.CHECK CLIMATE CONTROLLED SEAT CONTROL UNIT (PASSENGER SIDE) POWER SUPPLY

- 1. Turn ignition switch OFF.
- 2. Disconnect climate controlled seat control unit (passenger side) connector.
- 3. Turn ignition switch ON.
- 4. Check voltage between climate controlled seat control unit (passenger side) harness connector and ground.

(+)			F
Climate controlled seat co	ontrol unit (passenger side)	(-)	Voltage (V) (Approx.)	Г
Connector	Terminal			G
B558	55	Ground		
B559	63	Ground	Battery voltage	

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 4.

$\mathbf{3.}$ CHECK CLIMATE CONTROLLED SEAT CONTROL UNIT (PASSENGER SIDE) GROUND CIRCUIT

1. Turn ignition switch OFF.

2. Check continuity between harness connector and ground.

-	Climate controlled seat co	ontrol unit (passenger side)		Continuity	- SE
_	Connector	Terminal	Ground	Continuity	
_	B558	58		Existed	K

Is the inspection result normal?

YES >> INSPECTION END

NO >> Repair harness or connector.

4.CHECK CLIMATE CONTROLLED SEAT CONTROL UNIT (PASSENGER SIDE) POWER SUPPLY CIR-CUIT

1. Turn ignition switch OFF.

2. Disconnect climate controlled seat relay.

 Check continuity between climate controlled seat control unit (passenger side) harness connector and climate controlled seat relay harness connector.

-	Climate controlled seat co	ontrol unit (passenger side)	Climate contro	olled seat relay	Continuity	
_	Connector	Terminal	Connector	Terminal	Continuity	0
_	B558	55	M61	2	Existed	
_	B559	63		3	Existed	Р

4. Check continuity between climate controlled seat control unit (passenger side) harness connector and ground.

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< DTC/CIRCUIT DIAGNOSIS >

Climate controlled seat co	ontrol unit (passenger side)		Continuity
Connector	Terminal	Ground	Continuity
B558	55	Ground	Not existed
B559	63		NOTEXISTED

Is the inspection result normal?

YES >> GO TO 5.

NO >> Repair or replace harness.

5. CHECK CILMATE CONTROLLED SEAT RELAY POWER SUPPLY

1. Turn ignition switch ON.

2. Check voltage between climate controlled seat relay harness connector and ground.

	(+) Climate controlled seat relay		Voltage (V) (Approx.)
Connector	Terminal		()
M61	2	Ground	Battery voltage
	5	Ground	Dattery Voltage

Is the inspection result normal?

YES >> GO TO 6.

NO >> Repair or replace harness.

6.CHECK CLIMATE CONTROLLED SEAT RELAY GROUND CIRCUIT

- 1. Turn ignition switch OFF.
- 2. Check continuity between climate controlled seat relay harness connector and ground.

	Climate contro	blled seat relay		Continuity
_	Connector	Terminal	Ground	Continuity
_	M61	1		Existed

Is the inspection result normal?

YES >> GO TO 7.

NO >> Repair or replace harness.

7.CHECK CLIMATE CONTROLLED SEAT RELAY

Check climate controlled seat relay.

Refer to SE-64, "CLIMATE CONTROLLED SEAT CONTROL UNIT : Component Inspection".

Is the inspection result normal?

- YES >> GO TO 8.
- NO >> Replace climate controlled seat relay.

8.CHECK INTERMITTENT INCIDENT

Refer to GI-44, "Intermittent Incident".

>> INSPECTION END

CLIMATE CONTROLLED SEAT CONTROL UNIT : Component Inspection INFOLD:000000011257684

1.CHECK CLIMATE CONTROLLED SEAT RELAY

1. Turn ignition switch OFF.

2. Remove climate controlled seat relay.

< DTC/CIRCUIT DIAGNOSIS >

3. Check continuity between climate controlled seat relay terminals under the following conditions.

Ter	minal	Condition	Continuity	
3	5	12 V direct current supply between ter- minals 1 and 2.	Existed	
		No current supply	Not existed	
6	7	12 V direct current supply between ter- minals 1 and 2.	Existed	
		No current supply	Not existed	- JMJIA2104

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace climate controlled seat relay.

FRONT SEAT CUSHION HEATER

FRONT SEAT CUSHION HEATER : Diagnosis Procedure

1.CHECK FUSE

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

Signal name	Fuse No.	
Battery power supply	61 (15 A)	

Is the inspection result normal?

YES >> GO TO 2.

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

2.CHECK FRONT SEAT CUSHION HEATER POWER SUPPLY

1. Turn ignition switch OFF.

2. Disconnect front seat cushion heater connector.

3. Turn ignition switch ON.

4. Check voltage between front seat cushion heater harness connector and ground.

Front seat cushion heater (-) Connector Terminal Driver side B534 77 Ground				(+)	
Driver side B534 77 Ground	Voltage (V) (Approx.)	(-) Voltage (V) (Approx.)		Front seat cushion heater	
77 Ground	()	(+ F)	Terminal	nector	Conr
	Battery voltage	Ground Battony voltag	77	B534	Driver side
Passenger side B574	Ballery Vollage	Glound Ballery Vola	11	B574	Passenger side

Is the inspection result normal?

YES >> GO TO 4.

NO >> GO TO 3.

3.CHECK FRONT SEAT CUSHION HEATER POWER SUPPLY CIRCUIT

1. Turn ignition switch OFF.

- 2. Disconnect front heated seat relay.
- 3. Check continuity between front seat cushion heater harness connector and front heated seat relay terminal connector.

Front seat cushion heater			Front heate	Continuity	
Connector		Terminal	Connector	Terminal	Continuity
Driver side	B534	77	M70	3	Existed
Passenger side	B574	11			

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

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INFOID:000000011257685

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	Front seat cushion heate		Continuity	
Connector		Terminal	Ground	Continuity
Driver side	B534	77	Giouna	Not existed
Passenger side	B574	77		NOT EXISTED

Is the inspection result normal?

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

NO >> Repair or replace harness between front seat cushion heater and front heated seat relay.

4.CHECK FRONT HEATED SEAT OPERATION SIGNAL

Check voltage between front seat cushion heater harness connector and ground.

(+) Front seat cushion heater				Voltage (V/)		
		(-)	Condition	Voltage (V) (Approx.)		
Conne	Connector Ter					(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Discil Drot					ON	Battery voltage
Driver side	B534	70	Crownd	Front heated seat switch	OFF	0
Passenger side B574	73	Ground	Front heated seat switch	ON	Battery voltage	
				OFF	0	

Is the inspection result normal?

YES >> GO TO 7.

NO >> GO TO 5.

5.CHECK FRONT HEATED SEAT OPERATION SIGNAL CIRCUIT

1. Turn ignition switch OFF.

2. Disconnect front heated seat switch connector.

3. Check continuity between front seat cushion heater harness connector and front heated seat switch harness connector.

Front seat cushion heater			Front heated	Continuity		
Connector		Terminal	Connector	Terminal	Continuity	
Driver side	B534	73	M198	1	Existed	
Passenger side	B574	73	M199		Existed	

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

	Front seat cushion heate		Ografiavity	
Connector		Terminal	Ground	Continuity
Driver side	B534	72	Giouna	Not existed
Passenger side	B574	73		inot existed

Is the inspection result normal?

YES >> GO TO 6.

NO >> Repair or replace harness.

6.CHECK FRONT HEATED SEAT SWITCH

Check front heated seat switch.

Refer to SE-89, "FRONT : Component Inspection".

Is the inspection result normal?

YES >> GO TO 8.

NO >> Replace front heated seat switch.

7.CHECK FRONT SEAT CUSHION HEATER GROUND CIRCUIT

1. Turn ignition switch OFF.

2. Check continuity between front seat cushion heater harness connector and ground.

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< DTC/CIRCUIT DIAGNOSIS >

Connector Terminal					Continuity	
		Ierminai		Ground		
Driver side Passenger side	B534 B574	- 74			Exists	
the inspection result	_					
ES >> INSPECT	ION END replace harness.					
eck intermittent inci						
eck internittent include for to <u>GI-44, "Intern</u>						
RONT SEATBA	ACK HEATER					
RONT SEATBA	CK HEATER : Dia	agnosis Proc	edure		INFOID:0000000112576	
	EATBACK HEATER P					
Turn ignition swite						
Disconnect front s	eatback heater conne	ector.				
Turn ignition swite		aatar baraaaa a	oppostor co	d around		
Check vollage bei	tween front seatback h	ieater namess co	Junector an	iu ground.		
	(+)					
	Front seatback heater			(-)	Voltage (V) (Approx.)	
Сог	nnector	Terminal			())	
Driver side	B535			Ground	Battery voltage	
Briver side						
Passenger side	B575	- 77		Ground	Dattory Voltago	
Passenger side	t normal?	- //			Datoly Voltago	
Passenger side the inspection resul ES >> INSPECT	t <u>normal?</u> ION END					
Passenger side the inspection resul ES >> INSPECT IO >> GO TO 2.	t normal? ION END					
Passenger side the inspection result ES >> INSPECT IO >> GO TO 2. CHECK FRONT SI	<u>t normal?</u> ION END EATBACK HEATER P		CIRCUIT			
Passenger side the inspection resul ES >> INSPECT IO >> GO TO 2.	<u>t normal?</u> ION END EATBACK HEATER P h OFF.		CIRCUIT			
Passenger side the inspection result ES >> INSPECT O >> GO TO 2. CHECK FRONT SI Turn ignition switc Disconnect front h Check continuity	t normal? ION END EATBACK HEATER P th OFF. heated seat relay.	OWER SUPPLY				
Passenger side the inspection result ES >> INSPECT O >> GO TO 2. CHECK FRONT SE Turn ignition switc Disconnect front h	t normal? ION END EATBACK HEATER P th OFF. heated seat relay.	OWER SUPPLY				
Passenger side the inspection result ES >> INSPECT IO >> GO TO 2. CHECK FRONT SI Turn ignition switc Disconnect front h Check continuity connector.	t normal? ION END EATBACK HEATER P th OFF. heated seat relay.	OWER SUPPLY	s connecto		ated seat relay termina	
Passenger side the inspection result ES >> INSPECT IO >> GO TO 2. CHECK FRONT SI Turn ignition switc Disconnect front h Check continuity connector.	t normal? ION END EATBACK HEATER P th OFF. heated seat relay. between front seatbac	OWER SUPPLY	s connecto	r and front he	ated seat relay termina	
Passenger side the inspection result ES >> INSPECT O >> GO TO 2. CHECK FRONT SI Turn ignition switc Disconnect front h Check continuity connector.	t normal? ION END EATBACK HEATER P th OFF. heated seat relay. between front seatbac	OWER SUPPLY	S CONNECTOR Front heate	r and front hea ed seat relay Terminal	ated seat relay termina	
Passenger side the inspection result ES >> INSPECT IO >> GO TO 2. CHECK FRONT SI Turn ignition switc Disconnect front h Check continuity connector. Fro Connect	t normal? TON END EATBACK HEATER P th OFF. heated seat relay. between front seatbac bot seatback heater	OWER SUPPLY	s connector Front heate	r and front he	ated seat relay termina	
Passenger side the inspection result ES >> INSPECT IO >> GO TO 2. CHECK FRONT SI Turn ignition switc Disconnect front h Check continuity connector. Fro Connect Driver side Passenger side	t normal? ION END EATBACK HEATER P th OFF. heated seat relay. between front seatbac pont seatback heater tor T B535	OWER SUPPLY ck heater harnes erminal C	S CONNECTOR Front heate Connector M70	r and front hea ed seat relay Terminal 3	ated seat relay termina	
Passenger side the inspection result ES >> INSPECT IO >> GO TO 2. CHECK FRONT SI Turn ignition switc Disconnect front h Check continuity connector. Fro Connect Driver side Passenger side	t normal? t normal? ION END EATBACK HEATER P th OFF. heated seat relay. between front seatbac ont seatback heater tor T B535 B575 Detween front seatbac	OWER SUPPLY ck heater harnes erminal C	S CONNECTOR Front heate Connector M70	r and front hea ed seat relay Terminal 3	ated seat relay termina	
Passenger side the inspection result ES >> INSPECT IO >> GO TO 2. CHECK FRONT SI Turn ignition switc Disconnect front h Check continuity to connector. From Connector. Driver side Passenger side Check continuity to	t normal? TON END EATBACK HEATER P th OFF. heated seat relay. between front seatback tor T B535 B575 Detween front seatback Front seatback heater	OWER SUPPLY ck heater harnes erminal C 77 k heater harness	S CONNECTOR Front heate Connector M70	r and front hea ed seat relay Terminal 3	ated seat relay termina	
Passenger side the inspection result ES >> INSPECT O >> GO TO 2. CHECK FRONT SI Turn ignition switc Disconnect front h Check continuity connector. Triver side Passenger side Check continuity b Contect Cont	t normal? ION END EATBACK HEATER P th OFF. heated seat relay. between front seatbac ont seatback heater tor T B535 B575 Detween front seatbac Front seatback heater	OWER SUPPLY ck heater harnes erminal C	S CONNECTOR Front heate Connector M70	r and front hea ed seat relay Terminal 3	ated seat relay termina Continuity Existed	
Passenger side the inspection result ES >> INSPECT IO >> GO TO 2. CHECK FRONT SI Turn ignition switc Disconnect front h Check continuity to connector. From Connector. Driver side Passenger side Check continuity to	t normal? TON END EATBACK HEATER P th OFF. heated seat relay. between front seatback tor T B535 B575 Detween front seatback Front seatback heater	OWER SUPPLY ck heater harnes erminal C 77 k heater harness	S CONNECTOR Front heate Connector M70	r and front hea ed seat relay Terminal 3 and ground.	ated seat relay termina Continuity Existed	

Revision: 2014 November

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3. CHECK INTERMITTENT INCIDENT

Check intermittent incident. Refer to <u>GI-44, "Intermittent Incident"</u>.

>> INSPECTION END FRONT HEATED SEAT SWITCH

FRONT HEATED SEAT SWITCH : Diagnosis Procedure

INFOID:000000011257687

1.CHECK FUSE

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

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

Is the inspection result normal?

YES >> GO TO 2.

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

2.CHECK FRONT HEATED SEAT SWITCH POWER SUPPLY

1. Turn ignition switch OFF.

2. Disconnect front heated seat switch connector.

3. Turn ignition switch ON.

4. Check voltage between front heated seat switch harness connector and ground.

(+) Front heated seat switch				Voltage (V) (Approx.)	
			(-)		
Con	nector	Terminal		() () () () () () () () () ()	
Driver side	M198	Б	Ground	Battery voltage	
Passenger side	M199	5	Ground		

Is the inspection result normal?

YES >> INSPECTION END

NO >> GO TO 3.

3.CHECK FRONT HEATED SEAT SWITCH POWER SUPPLY CIRCUIT

1. Turn ignition switch OFF.

2. Disconnect fuse block (J/B) connector.

3. Check continuity between front heated seat switch harness connector and fuse block (J/B) harness connector.

Front heated seat switch			Fuse bl	Continuity	
Connector		Terminal	Connector	Terminal	Continuity
Driver side	M198	5	M1	2A	Existed
Passenger side	M199	5	1711	28	LAISIEU

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

	Front heated seat switch		Continuity	
Connector		Terminal	Ground	Continuity
Driver side	M198	F	Giouna	Not existed
Passenger side	M199	5		NOT EXISTED

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

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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.

F	(+) use block (J/B)			-)	Voltage (V)	
Connector		Terminal		/	(Approx.)	
M1		2A	Gro	und	Battery voltage	
the inspection result YES >> GO TO 5. NO >> Repair or re CHECK INTERMITT heck intermittent incid efer to <u>GI-44, "Intermi</u>	eplace fuse blo ENT INCIDEN lent.	IT				
>> INSPECTION REAR HEATED S REAR HEATED S	SEAT CON			Procedure	INFOID:000000011	
CHECK FUSE AND	FUSIBLE LINI	K				
Check that the following	g fuse and fusi	ble link are not	fusing.			
Vith VQ engine	0.					
	Signal name			Fuse No.		
Ignit	tion power supply			16 (15 A))	
ith VK engine	Cinnal acres			E		
	Signal name			Fuse No.		
	tion power supply			16 (10 A))	
s the inspection result YES >> GO TO 2. NO >> Replace the CHECK REAR HEA . Turn ignition switch . Disconnect rear he . Check voltage betw	e blown fuse a TED SEAT CO OFF. ated seat cont	NTROL UNIT I	tor.	Y	und.	
(+)						
Rear heated seat	control unit	Cor	ndition	(-)	Voltage (V) (Approx.)	
Connector	Terminal				(, , , , , , , , , , , , , , , , , , ,	
B647	9	Ignition switch	ON	Ground	Battery voltage	
		-	OFF		0	
the inspection result YES >> GO TO 3. NO >> Repair or re	normal? eplace harness		GROUND CIRC			

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< DTC/CIRCUIT DIAGNOSIS >

Rear heated s	eat control unit		Continuity
Connector	Terminal	Ground	Continuity
B647	16		Existed

Is the inspection result normal?

YES >> INSPECTION END

NO >> Repair or replace harness.

CLIMATE CONTROLLED SEAT SWITCH	
< DTC/CIRCUIT DIAGNOSIS >	
CLIMATE CONTROLLED SEAT SWITCH	А
Component Function Check	
1. CHECK CLIMATE CONTROLLED SEAT SWITCH FUNCTION	В
Check that climate controlled seat activates when operating climate controlled seat control switch.	
Is the inspection result normal?	C
YES >> INSPECTION END NO >> Refer to <u>SE-71, "Diagnosis Procedure"</u> .	0
Diagnosis Procedure	D
1. CHECK CLIMATE CONTROLLED SEAT CONTROL UNIT INPUT SIGNAL	
1. Turn ignition switch ON.	Е

ATE CONTROLLED CEAT CM/ITCH

2. Check voltage between climate controlled seat control unit harness connector and ground.

(+) Climate controlled seat control unit		()	Condition			Voltage (V)	
Connector Terminal		(-)	Condition			(Approx.)	
						HI	2.6 - 4.2
		50			COOL	MID	1.6 - 2.5
		56				LO	0.8 - 1.5
Driver side	B529			Climate controlled seat	OFF		0
				switch (driver side)		HI	2.6 - 4.2
		54		und	HEAT	MID	1.6 - 2.5
		54	Ground			LO	0.8 - 1.5
					OFF		0
	56					HI	2.6 - 4.2
		56		Climate controlled seat switch (passenger seat)	COOL	MID	1.6 - 2.5
		50				LO	0.8 - 1.5
Passenger side	B559 54				OFF		0
accordenate					HEAT	HI	2.6 - 4.2
		54				MID	1.6 - 2.5
		54				LO	0.8 - 1.5
					OFF		0

YES >> INSPECTION END NO-1 : HEAT or COOL mode is NG>>GO TO 2.

NO-2 : HEAT and COOL modes are NG>>GO TO 3.

2. CHECK CLIMATE CONTROLLED SEAT SWITCH CIRCUIT

1. Turn ignition switch OFF.

2. Disconnect climate controlled seat switch connector and climate controlled seat control unit connector.

Check continuity between climate controlled seat switch harness connector and climate controlled seat 3. control unit harness connector.

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CLIMATE CONTROLLED SEAT SWITCH

< DTC/CIRCUIT DIAGNOSIS >

Climate controlled seat switch				Climate controlle	d seat control unit	Continuity	
	Connector		Terminal Connector Terminal		Continuity		
Driver side	COOL	M204	2	B529	56	Existed	
	HEAT		3		54		
Passenger side	COOL	M205	2	B559	56		Existed
rassenger side	HEAT	101205	3 8559		6009	54	

4. Check continuity between climate controlled seat switch harness connector and ground.

Climate controlled seat switch					Continuity
Connector			Terminal	_	Continuity
Driver side	COOL	M204	2	Ground	
	HEAT		3	Ground	Not existed
Passenger side	COOL	M205	2	_	NOL EXISTED
	HEAT		3		

Is the inspection result normal?

YES >> GO TO 5.

NO >> Repair or replace harness.

3.CHECK CLIMATE CONTROLLED SEAT SWITCH POWER SUPPLY

- 1. Turn ignition switch OFF.
- 2. Disconnect climate controlled seat switch connector.
- 3. Turn ignition switch ON.

4. Check voltage between climate controlled seat switch harness connector and ground.

(+)				Voltage (V) (Approx.)
Climate controlled seat switch			(-)	
Connector		Terminal		(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Driver side	M204	1	Ground	10
Passenger side	M205		Ground	12

Is the inspection result normal?

YES >> GO TO 5.

NO >> GO TO 4.

4.CHECK CLIMATE CONTROLLED SEAT SWITCH POWER SUPPLY CIRCUIT

1. Turn ignition switch OFF.

2. Disconnect climate controlled seat control unit connector.

3. Check continuity between climate controlled seat switch harness connector and climate controlled seat control unit harness connector.

Clir	nate controlled seat s	witch	Climate controlled seat control unit		Continuity	
Con	nector	Terminal	Connector Terminal		Continuity	
Driver side	M204	1	B529	52	Existed	
Passenger side	M205		B559	52	Existed	

4. Check continuity between climate controlled seat switch harness connector and ground.

	Climate controlled seat swite		Continuity	
Connector		Terminal	Ground	Continuity
Driver side	M204	1	Ground	Not existed
Passenger side	M205	I		NUL EXISTED

Is the inspection result normal?

CLIMATE CONTROLLED SEAT SWITCH

< DTC/CIRCUIT DIAGNOSIS >	
YES >> Replace climate controlled seat control unit. NO >> Repair or replace harness.	А
5. CHECK CLIMATE CONTROLLED SEAT SWITCH	
Check climate controlled seat switch. Refer to <u>SE-73, "Component Inspection"</u> .	В
Is the inspection result normal?	
YES >> GO TO 6. NO >> Replace climate controlled seat switch.	С
6.CHECK INTERMITTENT INCIDENT	
Refer to <u>GI-44, "Intermittent Incident"</u> .	D
>> INSPECTION END	_
Component Inspection INFOID:000000011257690	E
1. CHECK CLIMATE CONTROLLED SEAT SWITCH	F
 Turn ignition switch OFF. Disconnect climate controlled seat switch connector. Check controlled seat switch connector. 	

3. Check continuity between climate controlled seat switch terminals under the following conditions.

Tern	Terminal		ondition	Continuity	
2	1 Climate controlled cost switch		ON	Existed	
2			COOL mode	OFF	Not existed
2	I	Climate controlled seat switch	HEAT mode	ON	Existed
3	3		HEAT MODE	OFF	Not existed

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace climate controlled seat switch.

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< DTC/CIRCUIT DIAGNOSIS >

SEATBACK THERMAL ELECTRIC UNIT

Component Function Check

1.CHECK SEATBACK THERMAL ELECTRIC UNIT FUNCTION

Check whether or not the temperature of the seatback thermal electric unit changes in accordance with the HEAT or COOL switch operation of the climate controlled seat control switch.

Is the inspection result normal?

YES >> INSPECTION END

NO >> Refer to <u>SE-74, "Diagnosis Procedure"</u>.

Diagnosis Procedure

INFOID:0000000011257692

INFOID:0000000011257691

1.CHECK SEATBACK THERMAL ELECTRIC UNIT INPUT SIGNAL

- 1. Turn ignition switch ON.
- 2. Check voltage between seatback thermal electric unit harness connector and ground.

(+) Seatback thermal electric unit Connector Terminal		(-) Conditi		ition	Voltage (V) (Approx.)		
		Terminal				(Applox.)	
	50	59			HEAT or COOL	0 - 12 [*]	
Driver side	B532	59		Climate controlled seat switch	Other than the above	0	
	D332	60			HEAT or COOL	0 - 12 [*]	
					Other than the above	0	
		59 Ground	50	Ground		HEAT or COOL	0 - 12 [*]
Passenger side	B562			Climate controlled seat	Other than the above	0	
rassenger side	D302	60		switch	HEAT or COOL	0 - 12 [*]	
		60			Other than the above	0	

*: It value changes between 12 V and 0 V

NOTE:

Wait 1 minute or more after the activation start, and then start the measurement.

Is the inspection result normal?

YES >> Replace seatback thermal electric unit.

NO >> GO TO 2.

$2. \mathsf{CHECK} \text{ seatback thermal electric unit circuit}$

- 1. Turn ignition switch OFF.
- 2. Disconnect climate controlled seat control unit connector and seatback thermal electric unit connector.
- 3. Check continuity between climate controlled seat control unit harness connector and seatback thermal electric unit harness connector.

Climate controlled seat control unit			Seatback thern	Continuity	
Coni	nector	Terminal	Connector	Terminal	Continuity
Driver side	B528	59	B532	59	
Driver side		60		60	Eviated
Decenger side	5550	59	DEC)	59	Existed
Passenger side	B558	60	B562	60	

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

SEATBACK THERMAL ELECTRIC UNIT

< DTC/CIRCUIT DIAGNOSIS >

Clim	ate controlled seat contro		Oractionity	/	
Conr	ector	Terminal	-	Continuity	
Driver side	B528 -	59	Ground		_
		60	Ground	Not existed	E
Daaaan aar aida	DEEQ	59	-		
Passenger side	B558	60			C

Is the inspection result normal?

YES >> Replace climate controlled seat control unit.

NO >> Repair or replace harness.

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SEATBACK THERMAL ELECTRIC UNIT SENSOR

< DTC/CIRCUIT DIAGNOSIS >

SEATBACK THERMAL ELECTRIC UNIT SENSOR

Component Function Check

1.CHECK SEATBACK THERMAL ELECTRIC UNIT SENSOR FUNCTION

Check whether or not the temperature of the seatback thermal electric unit changes in accordance with the HEAT or COOL switch operation of the climate controlled seat control switch.

Is the inspection result normal?

YES >> INSPECTION END

NO >> Refer to <u>SE-77</u>, "Component Inspection".

Diagnosis Procedure

INFOID:0000000011257694

INFOID:000000011257693

1.CHECK SEATBACK THERMAL ELECTRIC UNIT SENSOR SIGNAL

- 1. Turn ignition switch ON.
- 2. Check voltage between seatback thermal electric unit harness connector and ground.

	(+)					
Seatback thermal electric unit			(-)	Condition	Voltage (V) (Approx.)	
Conr	nector	Terminal			(, , pp. cm)	
Driver side	B532	67	67 Ground Climate controlled seat		1 - 5	
Passenger side	B562	57	Ground	operated	1-5	

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

2. CHECK SEATBACK THERMAL ELECTRIC UNIT SENSOR CIRCUIT

1. Turn ignition switch OFF.

- 2. Disconnect climate controlled seat control unit connector and seatback thermal electric unit connector.
- 3. Check continuity between climate controlled seat control unit harness connector and seatback thermal electric unit harness connector.

Climat	e controlled seat cont	trol unit	Seatback there	Continuity		
Conr	nector	Terminal	Connector	Terminal	Continuity	
Driver side	B530	67	B532	67	Existed	
Passenger side	B560	07	B562	07		

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

Cli	mate controlled seat control		Continuity	
Cor	nnector	Terminal	Ground	Continuity
Driver side	B530	67	Ground	Not existed
Passenger side	B560	- 07		NOT EXISTED

Is the inspection result normal?

YES >> Replace climate controlled seat control unit.

NO >> Repair or replace harness.

${f 3.}$ CHECK SEATBACK THERMAL ELECTRIC UNIT SENSOR GROUND CIRCUIT

- 1. Turn ignition switch OFF.
- 2. Disconnect climate controlled seat control unit connector and seatback thermal electric unit connector.
- 3. Check continuity between climate controlled seat control unit harness connector and seatback thermal electric unit harness connector.

SEATBACK THERMAL ELECTRIC UNIT SENSOR

< DTC/CIRCUIT DIAGNOSIS >

	or B530 B560 etween climate con	Terminal 68	Connector	Terminal	— Continuity
Passenger side Check continuity b	B560	68		Torrinia	
4. Check continuity b		00	B532	68	Existed
Clir	etween climate con		B562		LAISted
		trolled seat o	control unit har	rness connector an	d ground.
	nate controlled seat con	tral unit			
C.O.D			minal		Continuity
Driver side	B530	Ten		Ground	
Passenger side	B560		68		Not existed
s the inspection result					
CHECK INTERMIT Refer to <u>GI-44, "Interm</u> >> INSPECTI Component Inspe .CHECK SEATBACK	normal? eatback thermal ele FENT INCIDENT ittent Incident". ON END CTION	TRIC UNIT S			INF01D:00000001
	Seatback thermal ele	nermal electr		Resi	stance (KΩ)
				(/	
	Terminal				Approx.)

SEAT CUSHION THERMAL ELECTRIC UNIT

< DTC/CIRCUIT DIAGNOSIS >

SEAT CUSHION THERMAL ELECTRIC UNIT

Component Function Check

1.CHECK SEAT CUSHION THERMAL ELECTRIC UNIT FUNCTION

Check whether or not the temperature of the seat cushion thermal electric unit changes in accordance with the HEAT or COOL switch operation of the climate controlled seat control switch.

Is the inspection result normal?

YES >> INSPECTION END

NO >> Refer to <u>SE-74, "Diagnosis Procedure"</u>.

Diagnosis Procedure

INFOID:0000000011257697

INFOID:000000011257696

1.CHECK SEAT CUSHION THERMAL ELECTRIC UNIT INPUT SIGNAL

- 1. Turn ignition switch ON.
- 2. Check voltage between seat cushion thermal electric unit harness connector and ground.

(+) Seat cushion thermal electric unit Connector Terminal					Voltage (V)									
		(-)	(Condition										
		Terminal				(Approx.)								
		61			HEAT or COOL	0 - 12 [*]								
Driver side B		01		Climate controlled	Other than the above	0								
		60	Onessed	seat switch	HEAT or COOL	0 - 12 [*]								
		62			Other than the above	0								
		61 B563	61	61	64	64	64	64	64		Ground	Ground	HEAT or COOL	0 - 12 [*]
Passenger	B563			Climate controlled seat switch	Other than the above	0								
side	0000				HEAT or COOL	0 - 12 [*]								
		62			Other than the above	0								

*: It value changes between 12 V and 0 V

NOTE:

Wait 1 minute or more after the activation start, and then start the measurement.

Is the inspection result normal?

YES >> Replace seat cushion thermal electric unit.

NO >> GO TO 2.

2.CHECK SEAT CUSHION THERMAL ELECTRIC UNIT CIRCUIT

- 1. Turn ignition switch OFF.
- 2. Disconnect climate controlled seat control unit connector and seat cushion thermal electric unit connector.
- 3. Check continuity between climate controlled seat control unit harness connector and seat cushion thermal electric unit harness connector.

Climate controlled seat control unit			Seat cushion the	Continuity	
Coni	nector	Terminal	Connector	Terminal	Continuity
Driver side	B528	61	- B533	61	
Driver side		62		62	Existed
Passenger side	DEED	61	B56 2	61	Existed
	B558	62	B563 –	62	

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

SEAT CUSHION THERMAL ELECTRIC UNIT

< DTC/CIRCUIT DIAGNOSIS >

Clim	ate controlled seat control		Operationsity	/	
Conn	ector	Terminal	-	Continuity	
Driver side	B528	61	Ground		
Driver side	D320	62	Giouna	Not existed	
Dessenger side	DEEQ	61			
Passenger side	B558	62	Ť		(

Is the inspection result normal?

YES >> Replace climate controlled seat control unit.

NO >> Repair or replace harness.

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SEAT CUSHION THERMAL ELECTRIC UNIT SENSOR

< DTC/CIRCUIT DIAGNOSIS >

SEAT CUSHION THERMAL ELECTRIC UNIT SENSOR

Component Function Check

1.CHECK SEAT CUSHION THERMAL ELECTRIC UNIT SENSOR FUNCTION

Check whether or not the temperature of the seat cushion thermal electric unit changes in accordance with the HEAT or COOL switch operation of the climate controlled seat control switch.

Is the inspection result normal?

YES >> INSPECTION END

NO >> Refer to <u>SE-81, "Component Inspection"</u>.

Diagnosis Procedure

INFOID:0000000011257699

INFOID:000000011257698

1. CHECK SEAT CUSHION THERMAL ELECTRIC UNIT SENSOR SIGNAL

- 1. Turn ignition switch ON.
- 2. Check voltage between seat cushion thermal electric unit harness connector and ground.

(+)													
Seat cushic	on thermal electr	ic unit	(-) Condition		(-) Condition		(-) Condition		(-) Condition				Voltage (V) (Approx.)
Connec	ctor	Terminal			(, (, (, (, (, (, (, (, (, (, (, (, (, (
Driver side	B533	69	Ground	Climate controlled seat operated	1 - 5								
Passenger side	B563	09	Giouna	Chinate controlled Seat operated	1-5								

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

2.CHECK SEAT CUSHION THERMAL ELECTRIC UNIT SENSOR CIRCUIT

1. Turn ignition switch OFF.

- 2. Disconnect climate controlled seat control unit connector and seat cushion thermal electric unit connector.
- 3. Check continuity between climate controlled seat control unit harness connector and seat cushion thermal electric unit harness connector.

Climat	Climate controlled seat control unit Seat cushion thermal electric unit			Continuity		
Conr	ector	Terminal	Connector Terminal		Continuity	
Driver side	B530	69	B533	69	Evictod	
Passenger side	B560	69	B563	69	Existed	

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

Climate controlled seat control unit				Continuity
Connector		Terminal	Ground	Continuity
Driver side	B530	60	- Ground	Not existed
Passenger side	B560	69		NOT EXISTED

Is the inspection result normal?

YES >> Replace climate controlled seat control unit.

NO >> Repair or replace harness.

${f 3.}$ CHECK SEAT CUSHION THERMAL ELECTRIC UNIT SENSOR GROUND CIRCUIT

- 1. Turn ignition switch OFF.
- 2. Disconnect climate controlled seat control unit connector and seat cushion thermal electric unit connector.

3. Check continuity between climate controlled seat control unit harness connector and seat cushion thermal electric unit harness connector.

SEAT CUSHION THERMAL ELECTRIC UNIT SENSOR

< DTC/CIRCUIT DIAGNOSIS >

Climate	controlled seat contr	ol unit	Seat cushion	thermal electric unit	Continuity
Conne	ector	Terminal	Connector	Terminal	Continuity
Driver side	B530	70	B533	70	Existed
Passenger side	B560	70	B563	10	LAISted
Check continuity	between climate	controlled seat	control unit harn	ess connector and	l ground.
	Climate controlled sea				Continuity
	onnector	ler	rminal	Ground	
Driver side	B530		70		Not existed
Passenger side	B560				
4.CHECK SEAT CU Check seat cushion t Refer to <u>SE-81. "Con</u> <u>s the inspection resu</u> YES >> GO TO 5	thermal electric un nponent Inspection <u>ult normal?</u> 5. seat cushion the	AL ELECTRIC U nit sensor. on". rmal electric unit			
>> INSPEC Component Insp	TION END	AL ELECTRIC U	NIT SENSOR		INFOID:00000
Component Insp 1.CHECK SEAT CU 1. Turn ignition swit 2. Disconnect seat	TION END ection ISHION THERMA	electric unit conr	nector.	nals.	INFOID:00000
>> INSPEC Component Insp 1.CHECK SEAT CU 1. Turn ignition swit 2. Disconnect seat	TION END Dection ISHION THERMA tch OFF. cushion thermal of	electric unit conr ushion thermal e	nector.	Resist	tance (KΩ)
>> INSPEC Component Insp 1.CHECK SEAT CU 1. Turn ignition swit 2. Disconnect seat	TION END Dection ISHION THERMA tch OFF. cushion thermal of between seat cu	electric unit conr ushion thermal e rmal electric unit	nector.	Resist	tance (KΩ) pprox.)
>> INSPEC Component Insp I.CHECK SEAT CU I. Turn ignition swit 2. Disconnect seat	TION END Dection USHION THERMA tch OFF. cushion thermal of between seat cu Seat cushion the Term	electric unit conr ushion thermal e rmal electric unit inal	nector.	Resist	tance (KΩ)
>> INSPEC Component Insp 1.CHECK SEAT CU 1. Turn ignition swit 2. Disconnect seat 3. Check resistance	TION END pection ISHION THERMA tch OFF. cushion thermal (between seat cu Seat cushion the Term	electric unit conr ushion thermal e rmal electric unit inal	nector. electric unit termi	Resist	tance (KΩ) pprox.)
>> INSPEC Component Insp 1.CHECK SEAT CU 1. Turn ignition swit 2. Disconnect seat 3. Check resistance 69	TION END Dection USHION THERMA tch OFF. cushion thermal of between seat cu Seat cushion the Term of ure is 25°C (77°F).	electric unit conr ushion thermal e rmal electric unit inal	nector. electric unit termi	Resist	tance (KΩ) pprox.)
>> INSPEC Component Insp 1.CHECK SEAT CU 1. Turn ignition swit 2. Disconnect seat 3. Check resistance 69 : When sensor temperate s the inspection result YES >> INSPEC	TION END Dection ISHION THERMA tch OFF. cushion thermal of between seat cu Seat cushion the Term Dure is 25°C (77°F). ult normal? TION END	electric unit conr ushion thermal e rmal electric unit ninal	nector. electric unit termi	Resist	tance (KΩ) pprox.)
>> INSPEC Component Insp 1.CHECK SEAT CU 1. Turn ignition swit 2. Disconnect seat 3. Check resistance 69 : When sensor temperate s the inspection result YES >> INSPEC	TION END Dection ISHION THERMA tch OFF. cushion thermal of between seat cu Seat cushion the Term Dure is 25°C (77°F). ult normal?	electric unit conr ushion thermal e rmal electric unit ninal	nector. electric unit termi	Resist	tance (KΩ) pprox.)
>> INSPEC Component Insp 1.CHECK SEAT CU 1. Turn ignition swit 2. Disconnect seat 3. Check resistance 69 : When sensor temperate s the inspection result YES >> INSPEC	TION END Dection ISHION THERMA tch OFF. cushion thermal of between seat cu Seat cushion the Term Dure is 25°C (77°F). ult normal? TION END	electric unit conr ushion thermal e rmal electric unit ninal	nector. electric unit termi	Resist	tance (KΩ) pprox.)

CLIMATE CONTROLLED SEAT CUSHION BLOWER MOTOR

< DTC/CIRCUIT DIAGNOSIS >

CLIMATE CONTROLLED SEAT CUSHION BLOWER MOTOR

Component Function Check

INFOID:0000000011257701

1. CHECK CLIMATE CONTROLLED SEAT CUSHION BLOWER MOTOR FUNCTION

When turning the climate controlled seat switch to the HEAT or COOL mode position, check that the climate controlled seat cushion blower is operated in each specific mode.

Is the inspection result normal?

YES >> INSPECTION END

NO >> Refer to <u>SE-82, "Diagnosis Procedure"</u>.

Diagnosis Procedure

INFOID:0000000011257702

1. CHECK CLIMATE CONTROLLED SEAT CUSHION BLOWER MOTOR POWER SUPPLY

- 1. Turn ignition switch ON.
- 2. Check voltage between climate controlled seat cushion blower motor harness connector and ground.

(+) Climate controlled seat cushion blower motor		(-)	Cond	ition	Voltage (V) (Approx.)	
Connee	ctor	Terminal				(//pp/0X.)
					HEAT mode	12
Driver side	Driver side B531			Climate controlled seat switch	COOL mode	12
		64	Ground		Other than the above	0
		04	Ground		HEAT mode	12
Passenger side B561			Climate controlled seat switch	COOL mode	12	
					Other than the above	0

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

2. CHECK CLIMATE CONTROLLED SEAT CUSHION BLOWER MOTOR POWER SUPPLY CIRCUIT

1. Turn ignition switch OFF.

- 2. Disconnect climate controlled seat cushion blower motor connector and climate controlled seat control unit connector.
- 3. Check continuity between climate controlled seat cushion blower motor harness connector and climate controlled seat control unit harness connector.

Climate contr	Climate controlled seat cushion blo		Climate controlle	d seat control unit	Continuity
Coni	nector	Terminal	Connector	Connector Terminal	
Driver side	B531	64	B530	64	Existed
Passenger side	B561	04	B560	04	EXISTED

4. Check continuity between climate controlled seat cushion blower motor harness connector and ground.

Climate	controlled seat cushion blo		Continuity	
Connector		Terminal	Ground	Continuity
Driver side	B531	64	Ground	Not existed
Passenger side	B561	- 04		NOT EXISTED

Is the inspection result normal?

YES >> Replace climate controlled seat control unit.

NO >> Repair or replace harness.

 ${\it 3.}$ CHECK CLIMATE CONTROLLED SEAT CUSHION BLOWER MOTOR SPEED CONTROL SIGNAL

CLIMATE CONTROLLED SEAT CUSHION BLOWER MOTOR

< DTC/CIRCUIT DIAGNOSIS >

Check voltage between climate controlled seat cushion blower motor harness connector and ground.

	(+)											
Climate controlled seat cushion blower motor		(-) Conditio		dition		Voltage (V) (Approx.)						
Conne	ector	Terminal										
					HEAT		6.5 - 8					
						HI	10					
Driver side	B531		Climate controlled seat	Climate controlled seat switch COOL		COOL	MID	8				
				LO	6							
			66 Ground Climate controlled seat switch		Other tha	n the above	0					
		60		Giouna		HEAT		6.5 - 8				
											HI	10
Passenger side	B561						COOL	MID	8			
					LO	6						
					Other tha	n the above	0					

Is the inspection result normal?

YES >> GO TO 5.

NO >> GO TO 4.

4.CHECK CLIMATE CONTROLLED SEAT CUSHION BLOWER MOTOR SPEED CONTROL SIGNAL CIR-CUIT

- 1. Turn ignition switch OFF.
- 2. Disconnect climate controlled seat cushion blower motor connector and climate controlled seat control unit connector.
- 3. Check continuity between climate controlled seat cushion blower motor harness connector and climate controlled seat control unit harness connector.

Climate co	ntrolled seat cushion b	blower motor	Climate controlle	ed seat control unit	Continuity	SE
Con	nector	Terminal	Connector	Terminal	Continuity	
Driver side	B531	66	B530	66	Existed	IZ.
Passenger side	B561	00	B560 66		Existed	K

4. Check continuity between climate controlled seat cushion blower motor harness connector and ground.

					L
Climate o	controlled seat cushion blo		Continuity		
Coni	Connector		Ground	Continuity	
Driver side	B531	66	Giouna	Not existed	M
Passenger side	B561	50		Not existed	

Is the inspection result normal?

YES >> Replace climate controlled seat control unit.

NO >> Repair or replace harness.

${f 5.}$ CHECK CLIMATE CONTROLLED SEAT CUSHION BLOWER MOTOR GROUND CIRCUIT

1. Turn ignition switch OFF.

2. Disconnect climate controlled seat cushion blower motor and climate controlled seat control unit connector.

3. Check continuity between climate controlled seat cushion blower motor harness connector and climate controlled seat control unit harness connector.

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CLIMATE CONTROLLED SEAT CUSHION BLOWER MOTOR

< DTC/CIRCUIT DIAGNOSIS >

Climate cor	ntrolled seat cushion b	blower motor	Climate controlle	Continuity		
Coni	nector	Terminal	Connector Terminal		Continuity	
Driver side	B531	65	B530	65	Existed	
Passenger side	B561	00	B560	00	Existed	

4. Check continuity between climate controlled seat cushion blower motor harness connector and ground.

Climate	controlled seat cushion blo		Continuity	
Сог	Connector		Ground	Continuity
Driver side	B531	65	Giouna	Not existed
Passenger side	B561	- 05		NOT EXISTED

Is the inspection result normal?

YES >> Replace climate controlled seat cushion blower motor.

NO >> Repair or replace harness.

CLIMATE CONTROLLED SEAT SWITCH INDICATOR < DTC/CIRCUIT DIAGNOSIS > CLIMATE CONTROLLED SEAT SWITCH INDICATOR А **Component Function Check** INFOID:000000011257703 1. CHECK CLIMATE CONTROLLED SEAT SWITCH INDICATOR FUNCTION В Check that the related indicator lamp illuminates when climate controlled seat switch is set to HEAT or COOL mode. С Is the inspection result normal? YES >> INSPECTION END NO >> Refer to SE-85, "Diagnosis Procedure". D **Diagnosis** Procedure INFOID:000000011257704 1.CHECK CLIMATE CONTROLLED SEAT SWITCH INPUT SIGNAL Ε

- 1. Turn ignition switch ON.
- 2. Check voltage between climate controlled seat switch harness connector and ground.

(+) Climate controlled seat switch		(-) Condition		ition	Voltage (V) (Approx.)	
Connecto	or	Terminal				
		4			COOL mode	12
Driver eide	4	4		Climate controlled seat	Other than the above	0
Driver side M204	M204	5	- Ground	switch (driver side)	HEAT mode	12
					Other than the above	0
		4		Climate controlled seat switch (passenger side)	COOL mode	12
	MOOF				Other than the above	0
Passenger side	e M205		-		HEAT mode	12
		5			Other than the above	0

Is the inspection result normal?

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

NO >> GO TO Z.

2.check climate controlled seat switch indicator circuit

1. Turn ignition switch OFF.

2. Disconnect climate controlled seat control unit connector and climate controlled seat switch connector.

 Check continuity between climate controlled seat control unit harness connector and climate controlled seat switch harness connector.

Clin	nate controlled seat sv	witch	Climate controlle	d seat control unit	Continuity	
Con	nector	Terminal	Connector	Terminal	Continuity	Ν
Driver side	M204	4	B5 20	53		
Driver side	WI204	5	B530	57	Existed	
December eide	M205	4	B560	53	Existed	0
Passenger side	WI205	5	6000	57		

4. Check continuity between climate controlled seat switch harness connector and ground.

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CLIMATE CONTROLLED SEAT SWITCH INDICATOR

< DTC/CIRCUIT DIAGNOSIS >

(Climate controlled seat swit		Continuity	
Cor	inector	Terminal		Continuity
Driver side	M204	4	Ground	
Driver side	W204	5	- Ground	
Dessenar side	MOOF	4	_	Not existed
Passenger side	M205	5	_	

Is the inspection result normal?

YES >> Replace climate controlled seat control unit.

NO >> Repair or replace harness.

3. CHECK CLIMATE CONTROLLED SEAT SWITCH GROUND CIRCUIT

1. Turn ignition switch OFF.

2. Disconnect climate controlled seat switch connector.

3. Check continuity between climate controlled seat switch harness connector and ground.

Climate controlled seat switch				Continuity
Con	nector	Terminal	Ground	Continuity
Driver side	M204	6	Giouna	Existed
Passenger side	M205	- D		Existed

Is the inspection result normal?

YES >> Replace climate controlled seat switch.

NO >> Repair or replace harness.

CLIMATE CONTROLLED SEAT BLOWER FILTER

< DTC/CIRCUIT DIAGNOSIS >

CLIMATE CONTROLLED SEAT BLOWER FILTER	-
Diagnosis Procedure	05
1. CHECK CLIMATE CONTROLLED SEAT CUSHION BLOWER FILTER	1
Remove climate controlled seat cushion blower filter and check that there is no clogging by dirt or foreign mat ters. <u>Is the inspection result normal?</u> YES >> INSPECTION END NO >> Replace climate controlled seat cushion blower filter.	-
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< DTC/CIRCUIT DIAGNOSIS >

HEATED SEAT SWITCH FRONT

FRONT : Component Function Check

1.CHECK FRONT HEATED SEAT SWITCH FUNCTION

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

Is the inspection result normal?

YES >> INSPECTION END

NO >> Refer to SE-88, "FRONT : Diagnosis Procedure".

FRONT : Diagnosis Procedure

1.CHECK FRONT SEAT CUSHION HEATER INPUT SIGNAL

- 1. Turn ignition switch OFF.
- 2. Disconnect front seat cushion heater connector.
- 3. Turn ignition switch ON.

4. Check voltage between front seat cushion heater harness connector and ground.

(+)						
Front seat cushion heater		(-)	Condition		Voltage (V) (Approx.)	
Connect	or	Terminal				
					OFF	0
				1 (Min. temperature)	10.66*	
					2	11.18 [*]
Driver side	B534	72		Front heated seat switch (driver side)	3	11.76 [*]
					4	12.12 [*]
					5	12.47 [*]
					6 (Max. temperature)	12.83*
			Ground		OFF	0
					1 (Min. temperature)	10.66*
				Front heated seat	2	11.18 [*]
Passenger side B574	B574	3574 72		switch (passenger	3	11.76 [*]
				side)	4	12.12 [*]
					5	12.47*
					6 (Max. temperature)	12.83 [*]

*: When thermistor temperature is 20°C (68°F).

Is the inspection result normal?

YES >> INSPECTION END

NO >> GO TO 2.

2. CHECK FRONT HEATED SEAT SWITCH CIRCUIT

1. Turn ignition switch OFF.

2. Disconnect front heated seat switch connector.

3. Check continuity between front heated seat switch harness connector and front seat cushion heater harness connector.

INFOID:000000011257706

INFOID:0000000011257707

HEATED SEAT SWITCH

< DTC/CIRCUIT DIAGNOSIS >

	Front heated seat	switch		Front seat cushion he		Continuity
C	onnector		Terminal	Connector	Terminal	Continuity
Driver side	M198		2	B534	- 72	Existed
Passenger side	M199		2	B574	- 12	Existed
Check continu	ity between front	heated s	eat switch ha	rness connector a	nd ground.	
	Front heated	seat switch				Orationity
	Connector		Termina		u un d	Continuity
Driver side	M19	8	0	GIC	ound	Net evicted
Passenger side	M19	9	2			Not existed
eck front heated fer to <u>SE-89, "F</u> <u>he inspection re</u> ES >> GO TC O >> Replac CHECK INTERI eck intermittent	RONT : Compon sult normal? 0 4. 22 heated seat sw MITTENT INCID	<u>ent Inspe</u> witch. ENT				
-	CTION END Donent Inspe	ction				INF01D:0000000
CHECK FRONT	HEATED SEAT	SWITCH				
	nt heated seat sv			rminals under the	following con	ditions.
Front heated	d seat switch		Co	ndition	F	Resistance (KΩ)
Terr	ninal					(Approx.)

OFF

OFF

2

3

4

5

Front heated seat switch

1 (Min. temperature)

6 (Max. temperature)

Is the inspection result normal	?

5

YES >> INSPECTION END

NO >> Replace front heated seat switch.

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2.400

1.800

1.200

0.910

0.620

0.348

HEATED SEAT SWITCH

< DTC/CIRCUIT DIAGNOSIS >

REAR : Component Function Check

1.CHECK REAR HEATED SEAT SWITCH FUNCTION

Check that rear heated seat operates normally when rear heated seat switch is operated.

Is the inspection result normal?

YES >> INSPECTION END

NO >> Refer to <u>SE-90, "REAR : Diagnosis Procedure"</u>.

REAR : Diagnosis Procedure

1. CHECH REAR HEATED SEAT SWITCH INPUT SIGNAL

- 1. Turn ignition switch OFF.
- 2. Disconnect rear heated seat switch connector.
- 3. Turn ignition switch ON.

4. Check voltage between rear heated seat switch harness connector and ground.

	(+)				
	Rear heated seat switch			Voltage (V) (Approx.)	
(Connector			(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
LH					
LU	B679	8	Ground	F	
RH	B649	2	Ground	5	
КП	D049	8			

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

2. CHECK REAR HEATED SEAT SWITCH CIRCUIT

1. Turn ignition switch OFF.

- 2. Disconnect rear heated seat control unit connector.
- 3. Check continuity between rear heated seat switch harness connector and rear heated seat control unit harness connector.

	Rear heated seat switc	h	Rear heated s	Continuity	
Con	nector	Terminal	Connector	Terminal	Continuity
LH	B679	2		11	
LU	B079	8	DC47	13	Existed
RH	B649	2	B647	10	EXISIEU
KΠ	D049	8		4	

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

	Rear heated seat switch		Continuity				
Coni	Connector		ector Terminal		_	Continuity	
LH	B679	2	Ground				
LN	B079	8	Ground	Not existed			
RH	B649	2	_	NOT EXISTED			
КП	B049	8	_				

Is the inspection result normal?

YES >> Replace rear heated seat control unit.

NO >> Repair or replace harness.

 $\mathbf{3.}$ CHECK REAR HEATED SEAT SWITCH GROUND CIRCUIT

INFOID:000000011472439

INFOID:000000011472442

HEATED SEAT SWITCH

< DTC/CIRCUIT DIAGNOSIS >

1. Turn ignition switch OFF.

2. Check continuity between rear heated seat switch harness connector and ground.

	Rear heated seat switch			Continuity
Conn	Connector T		Ground	Continuity
LH	B679	6	Ground	Existed
RH	B649	0		EXISIED
Is the inspection result	normal?			
YES >> GO TO 4.				
NO >> Repair or re	eplace harness.			
4. CHECK REAR HEA	TED SEAT SWITCH			
Check rear heated seat	switch.			
Refer to <u>SE-91, "REAR</u>	: Component Inspec	<u>ction"</u> .		
Is the inspection result i	normal?			
YES >> GO TO 5.				
	ar heated seat switc	h.		
5. CHECK INTERMITT	ENT INCIDENT			
Refer to GI-44, "Intermi	ttent Incident".			
>> INSPECTIO	ON END			
REAR : Componer	nt Inspection			INFOID:000000011472443
1.CHECK REAR HEAT	TED SEAT SWITCH			

1. Turn ignition switch OFF.

2. Disconnect rear heated seat switch connector.

3. Check continuity between rear heated seat switch terminals under the following conditions.

Rear heate	ted seat switch			
Terr	minal	- Condition	Continuity	
2		LO mode (while pressing)	Existed	K
2		Other than the above	Not Existed	=
0	- 6	HI mode (while pressing)	Existed	L
8		Other than the above	Not existed	-

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace rear heated seat switch. Μ

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< DTC/CIRCUIT DIAGNOSIS >

FRONT HEATED SEAT RELAY

Component Function Check

1.CHECK FRONT HEATED SEAT RELAY FUNCTION

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

Is the inspection result normal?

YES >> INSPECTION END

NO >> Refer to <u>SE-92, "Diagnosis Procedure"</u>

Diagnosis Procedure

INFOID:0000000011257710

INFOID:000000011257709

1.CHECK FRONT HEATED SEAT RELAY POWER SUPPLY

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

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

Is the inspection result normal?

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

2.CHECK FRONT HEATED SEAT RELAY POWER SUPPLY CIRCUIT

1. Turn ignition switch OFF.

- 2. Disconnect fuse block (J/B) connector.
- 3. Check continuity between front heated seat relay terminal connector and fuse block (J/B) harness connector.

Front heate	Front heated seat relay		Fuse block (J/B)		
Connector	Terminal	Connector	Connector Terminal		
M70	2	M1	2A	Existed	

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

Front heate	ed seat relay		Continuity
Connector	Connector Terminal		Continuity
M70	2		Not existed

Is the inspection result normal?

YES >> GO TO 5.

NO >> Repair or replace harness.

${\it 3.}$ check front heated seat relay ground circuit

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

Front heate	d seat relay		Continuity
Connector	Terminal	Ground	Existed
M70	1		Existed

Is the inspection result normal?

FRONT HEATED SEAT RELAY

			OLAT IL			
< DTC/CI		AGNOSIS >				_
	> GO TO 4					
		r replace harness.				A
4.CHECK	K FRONT H	HEATED SEAT RELAY				
Check from						B
Refer to S	<u>E-93, "Cor</u>	nponent Inspection".				
		<u>ult normal?</u>				
-	> GO TO 5	-				С
_	-	front heated seat relay.				0
5.CHECK	(INTERMI	TTENT INCIDENT				
Check inte	ermittent in	cident.				D
Refer to G	I-44, "Inter	mittent Incident".				
>	> INSPEC	TION END				E
Compon	ent Insp	ection			INFOID:000000011257711	I
	•					F
1.CHECK	FRONT F	HEATED SEAT RELAY				Г
1. Turn ig	gnition swi	tch OFF.				
2. Discoi	nect front	heated seat relay.				G
3. Check	c continuity	between front heated seat relay terr	minals.			
			1			
Terr	minal	Condition	Continuity	3		Н
3	5	12 V direct current supply between termi- nals 1 and 2.	Existed	(Fred) (5)	ا تھی	
		No current supply	Not existed		3	
Is the insp	ection resu	ult normal?			5	
		TION END		K K	2×1	
-		heated seat relay		a a		SE

NO >> Replace heated seat relay.

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< DTC/CIRCUIT DIAGNOSIS >

SEATBACK HEATER FRONT

FRONT : Component Function Check

1.CHECK FRONT SEATBACK HEATER FUNCTION

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

Is the inspection result normal?

YES >> INSPECTION END

NO >> Refer to <u>SE-94, "FRONT : Component Inspection"</u>.

FRONT : Diagnosis Procedure

1.CHECK FRONT SEATBACK HEATER SIGNAL CIRCUIT

- 1. Turn ignition switch OFF.
- 2. Disconnect front seat cushion heater connector and front seatback heater connector.
- 3. Check continuity between front seat cushion heater harness connector and front seatback heater harness connector.

F	ront seat cushion hea	ter	Front seat	Continuity	
Coni	nector	Terminal	Connector	Terminal	Continuity
Driver side	B534	78	B535	78	Existed
Passenger side	B574	70	B575	78	

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

	Front seat cushion heate		Continuity	
Со	nnector	Terminal	Ground	Continuity
Driver side	B534	70	Ground	Not existed
Passenger side	B574	- 78		NOI EXISIED

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness.

2.CHECK FRONT SEATBACK HEATER

Check front seatback heater.

Refer to SE-94, "FRONT : Component Inspection".

Is the inspection result normal?

- YES >> Replace front seat cushion heater.
- NO >> Replace front seatback heater.

FRONT : Component Inspection

1.CHECK FRONT SEATBACK HEATER

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

Front seat	back heater	Condition	Resistance (Ω)	
Terr	minal	Condition	(Approx.)	
77	78	When seatback heater temperature is 20°C (68°F)	5.39 - 6.57	

NOTE:

Resistance value changes according to temperature.

INFOID:000000011257714

INFOID:000000011257713

INFOID:000000011257712

SEATBACK HEATER

	ction result						
	INSPECTION Replace from		k heater				
EAR	nopiaco in		it nouton				
EAR : C	Compone	nt Functi	on Check	(INFOID:000000011472447
.CHECK	REAR SEA	TBACK HE	ATER FUN	CTION			
					ble mode whe	n rear heated seat swit	ch is operated to
	HI mode.						
the inspe	ction result	normal?					
	INSPECTI						
			<u>R : Diagnos</u>	is Proced	<u>ure"</u> .		
EAR : D	Diagnosis	Procedu	ire				INFOID:000000011472449
CHECK			ATER INPU				
					-		
	nition switch nect rear se		ter connecto	or.			
Turn igr	nition switch	n ON.					
Check	voltage betw	veen rear s	eatback hea	ater harne	ss connector a	ind ground.	
			1				
	(+)						
R	(+) ear seatback h	leater	(-)		Con	dition	Voltage (V)
	ear seatback h		(-)		Con	dition	Voltage (V) (Approx.)
		eater Terminal	(-)		Con	1	(Approx.)
	ear seatback h		(-)		Con	HI mode	(Approx.)
	ear seatback h	Terminal	(-)		Con	HI mode Other than the above	(Approx.) 12 0
Cor	ear seatback h	Terminal	(-)		Con	HI mode Other than the above LO mode	(Approx.) 12 0 12
Cor	ear seatback h	Terminal 3	(-) Ground	Rear heat	Con	HI mode Other than the above LO mode Other than the above	(Approx.) 12 0 12 0 12 0
Cor	ear seatback h	Terminal 3	-	Rear heat		HI mode Other than the above LO mode Other than the above HI mode	(Approx.) 12 0 12 0 12 0 12
Cor	ear seatback h	Terminal 3 1	-	Rear heat		HI mode Other than the above LO mode Other than the above HI mode Other than the above	(Approx.) 12 0 12 0 12 0 12 0
LH	B646	Terminal 3 1	-	Rear heat		HI mode Other than the above LO mode Other than the above HI mode Other than the above LO mode	(Approx.) 12 0 12 0 12 0 12 0 12 0 12
Cor LH RH	B645	Terminal 3 1 3 1	-	Rear heat		HI mode Other than the above LO mode Other than the above HI mode Other than the above	(Approx.) 12 0 12 0 12 0 12 0
Cor LH RH	B645 B645 Ction result	Terminal 3 1 3 1	-	Rear heat		HI mode Other than the above LO mode Other than the above HI mode Other than the above LO mode	(Approx.) 12 0 12 0 12 0 12 0 12 0 12
Cor LH RH the inspe ES >>	B645	Terminal 3 1 3 1	-	Rear heat		HI mode Other than the above LO mode Other than the above HI mode Other than the above LO mode	(Approx.) 12 0 12 0 12 0 12 0 12 0 12
Cor LH RH ES >> O >>	B646 B645 B645 Ction result GO TO 4. GO TO 2.	Terminal 3 1 3 1 1 normal?	Ground			HI mode Other than the above LO mode Other than the above HI mode Other than the above LO mode	(Approx.) 12 0 12 0 12 0 12 0 12 0 12
Cor LH RH ES >> O >> CHECK	B646 B645 Ction result GO TO 4. GO TO 2. REAR SEA	Terminal 3 1 3 1 <u>normal?</u> TBACK HE	-			HI mode Other than the above LO mode Other than the above HI mode Other than the above LO mode	(Approx.) 12 0 12 0 12 0 12 0 12 0 12
LH RH ES >> O >> CHECK Turn igr Disconr	B646 B645 B645 Ction result GO TO 4. GO TO 2. REAR SEA hition switch	Terminal 3 1 3 1 normal? TBACK HE.	Ground	CUIT 1	ed seat switch	HI modeOther than the aboveLO modeOther than the aboveHI modeOther than the aboveLO modeOther than the above	(Approx.) 12 0 12 0 12 0 12 0 12 0
Cor LH RH ES >> O >> CHECK Turn igr Disconr Check o	B646 B645 B645 Ction result GO TO 4. GO TO 2. REAR SEA nition switch nect rear se continuity b	Terminal 3 1 3 1 normal? TBACK HE.	Ground	CUIT 1	ed seat switch	HI mode Other than the above LO mode Other than the above HI mode Other than the above LO mode	(Approx.) 12 0 12 0 12 0 12 0 12 0
Cor LH RH ES >> IO >> .CHECK Turn igr Disconr	B646 B645 B645 Ction result GO TO 4. GO TO 2. REAR SEA nition switch nect rear se continuity b	Terminal 3 1 3 1 normal? TBACK HE.	Ground	CUIT 1	ed seat switch	HI modeOther than the aboveLO modeOther than the aboveHI modeOther than the aboveLO modeOther than the above	(Approx.) 12 0 12 0 12 0 12 0 12 0
Cor LH RH ES >> O >> CHECK Turn igr Disconr Check o	B646 B645 B645 Ction result GO TO 4. GO TO 2. REAR SEA nition switch nect rear se continuity b tor.	Terminal 3 1 3 1 normal? TBACK HE.	ATER CIRC	CUIT 1	ed seat switch	HI modeOther than the aboveLO modeOther than the aboveHI modeOther than the aboveLO modeOther than the above	(Approx.) 12 0 0 12 0 12 0 12 0 0 12 0 12 0 0 12 0 0 12 0 0 12 0 0 12 0 0 12 0 0 0 12 0 0 12 0 0 12 0 0 12 0 0 12 0 0 0 12 0 0 12 0 0 12 0 0 12 0 0 12 0 0 12 0 0 12 0 0 12 0 0 12 0 0 12 0 0 12 0 12 0 12 0 12 12 12 12 12 12 12 12 12 12
Cor LH RH ES >> O >> CHECK Turn igr Disconr Check o	B646 B645 B645 Ction result GO TO 4. GO TO 2. REAR SEA nition switch nect rear se continuity b tor.	Terminal 3 1 3 1 3 1 normal? TBACK HE. DOFF. at cushion letween real	ATER CIRC	CUIT 1	ed seat switch	HI mode Other than the above LO mode Other than the above HI mode Other than the above LO mode Other than the above	(Approx.) 12 0 12 0 12 0 12 0 12 0
Cor LH RH (ES >> IO >> IO >> IO >> IO >> IO >> IO >>	B646 B645 B645 Ction result GO TO 4. GO TO 2. REAR SEA nition switch nect rear se continuity b tor. Rea	Terminal 3 1 3 1 3 1 normal? TBACK HE. DOFF. at cushion letween real	ATER CIRC	CUIT 1 Nector. Neater har	ed seat switch	HI mode Other than the above LO mode Other than the above HI mode Other than the above LO mode Other than the above	(Approx.) 12 0 0 12 0 12 0 12 0 0 12 0 12 0 0 12 0 0 12 0 0 12 0 0 12 0 0 12 0 0 0 12 0 0 12 0 0 12 0 0 12 0 0 12 0 0 0 12 0 0 12 0 0 12 0 0 12 0 0 12 0 0 12 0 0 12 0 0 12 0 0 12 0 0 12 0 0 12 0 12 0 12 0 12 12 12 12 12 12 12 12 12 12

SEATBACK HEATER

< DTC/CIRCUIT DIAGNOSIS >

	Rear seatback heater		Continuity	
Con	nector	Terminal	Ground	Continuity
LH	B646	2	Giouna	Not existed
RH	B645	5		NUL EXISIEU

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace harness.

3.CHECK REAR SEATBACK HEATER CIRCUIT 2

1. Check continuity between rear seatback heater harness connector and rear seat cushion heater harness connector.

	Rear seatback heate	r	Rear heated s	Continuity	
Conr	nector	Terminal	Connector	Terminal	Continuity
LH	B646	1	B647	12	Existed
RH	B645		B047	2	Existed

2. Check continuity between rear seatback heater harness connector and ground.

	Rear seatback heater		Continuity	
Con	nector	Terminal	erminal Ground	
LH	B646	1	Giouna	Not existed
RH	B645	-		NOT EXISTED

Is the inspection result normal?

YES >> Replace rear heated seat control unit.

NO >> Repair or replace harness.

4.CHECK REAR SEATBACK HEATER GROUND CIRCUIT

1. Turn ignition switch OFF.

2. Check continuity rear seatback heater harness connector and ground.

	Rear seatback heater		Continuity	
Conr	ector	Terminal Ground		Continuity
LH	B646	- 2	Gibuna	Existed
RH	B645			Existed

Is the inspection result normal?

YES >> Replace rear seatback heater.

NO >> Repair or replace harness.

: DTC/CIR	CUIT DIAGI		EAR SE	AT CUSHION I	HEAT	ER	
	EAT CU		IEATE	२			
Compone	ent Functio	on Check					INFOID:000000011472444
1.снеск	REAR SEAT	CUSHION	HEATER F	UNCTION			
			r operates	to the applicable r	mode w	hen rear heated s	eat switch is oper-
	mode or HI n ction result n						
	INSPECTIC						
NO >>	Refer to or	<u>SE-97, "Diac</u>	nosis Pro	<u>cedure"</u> .			
liagnosi	s Procedu	re					INFOID:000000011472446
.CHECK	REAR SEAT	CUSHION	HEATER I	NPUT SIGNAL			
. Turn ig	nition switch	OFF.					
. Discon	nect rear sea	t cushion he	eater conn	ector.			
	nition switch voltage betw		at cushion	heater harness cor	nnector	and ground.	
	enage sem					and ground	
	(+)				- ···		Voltage (V)
	ar seat cushion		(-)		Condition		(Approx.)
	onnector	Terminal				HI/LO mode	12
LH		3				Other than the above	0
	B643		Ground	Rear heated seat swi	itch	HI/LO mode	12
RH		1			-	Other than the above	0
the inspe	ction result n	ormal?					
	GO TO 4.						
	GO TO 2.						
	REAR SEAT		HEATER (CIRCUIT 1			
	nition switch nect rear sea		r connocto)r			
				on heater harness	connec	tor and rear seatba	ack heater harness
connec							
	Rear s	eat cushion he	ater	R	ear seath	back heater	
	Connector			ninal Conne		Terminal	Continuity
L				3 B64			
R	Н	B643		1 B64	5	1	Existed
Check	continuity be	tween rear s	eat cushic	on heater harness o	connect	or and ground.	
		Rear seat cush	ion heater				
	Conne			Terminal	-		Continuity

				Ground		
	LH	B643	3	Cround	Not existed	
	RH		1		NOT EXISTED	
le the inspection result normal?						

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace harness.

3.CHECK REAR SEAT CUSHION HEATER CIRCUIT 2

1. Disconnect rear heated seat control unit connector.

REAR SEAT CUSHION HEATER

< DTC/CIRCUIT DIAGNOSIS >

2. Check continuity between rear seat cushion heater harness connector and rear heated seat control unit harness connector.

F	Rear seat cushion heat	ter	Rear heated s	Continuity		
Con	nector	Terminal	Connector	Terminal	Continuity	
LH	B643	3	B647	12	Existed	
RH	B043	1	B047	2	Existed	

3. Check continuity between rear seat cushion heater harness connector and ground.

	Rear seat cushion heater		Continuity	
Conr	ector Terminal		Ground	Continuity
LH	B643	3	Glound	Not existed
RH	B043	1	_	NOI EXISIEU

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

4. CHECK REAR SEAT CUSHION HEATER GROUND CIRCUIT

1. Turn ignition switch OFF.

2. Check continuity rear seat cushion heater harness connector and ground.

	Rear seat cushion heater		Continuity	
Conr	nector	Terminal	- Ground	Continuity
LH	P6 42	4	Ground	Existed
RH	B643	2		

Is the inspection result normal?

YES >> Replace rear seat cushion heater.

NO >> Repair or replace harness.

< DTC/CIRCUIT DIAG	-	EAT SWITC	H INDICAT	OR	
HEATED SEAT		CATOR			
FRONT					
FRONT : Compon	ent Function Ch	neck			INFOID:000000011257715
1.CHECK FRONT HE	ATED SEAT SWITCH	INDICATOR F	UNCTION		
	normal? DN END -99, "FRONT : Diagr			itch is turne	ed ON.
FRONT : Diagnosi					INFOID:000000011257716
1. CHECK FRONT HE	ATED SEAT SWITCH	HINDICATOR G	ROUND CIRC	JIT	
	OFF. eated seat switch con etween front heated s		ess connector a	and ground.	
0	Front heated seat switch	Ta analia a l			Continuity
Driver side	M198	Terminal	Gr	ound	
Passenger side	M199	6			Existed
NO >> Repair or re REAR REAR : Componer	eplace harness.	ck			
1.check rear hear			NCTION		INFOID:0000000011472450
Check that rear heated operated to LO mode o		of the applicabl	e mode turns C	N when rea	ar heated seat switch is
Is the inspection result					
YES >> INSPECTION NO >> Refer to SE	ON END E-99, "REAR : Diagno	osis Procedure".			
REAR : Diagnosis	-				INFOID:000000011472452
1. CHECK REAR HEA	TED SEAT SWITCH	INDICATOR PC	WER SUPPLY		
 Turn ignition switch Disconnect rear he Turn ignition switch 	OFF. ated seat switch conr	nector.		l ground.	
(•	+)				
Rear heated	d seat switch	(-)	Condi	tion	Battery voltage (V) (Approx.)
Connector	Terminal			~	
LH B679 RH B649	5	Ground	Ignition switch	OFF ON	0 Battery voltage
<u>Is the inspection result</u> YES >> GO TO 2.	normal?				

YES >> GO TO 2.

NO >> Repair or replace harness.

HEATED SEAT SWITCH INDICATOR

< DTC/CIRCUIT DIAGNOSIS >

2.CHECK REAR HEATED SEAT CONTROL UNIT INPUT SIGNAL

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

(+) Rear heated seat control unit		(-) Condition			Voltage (V)	
Rear	neated seat co	introl unit	(-)	Condi	Ition	(Approx.)
Cor	nnector	Terminal				
		8			HI mode	0
LH		0			Other than the above	12
LU		3		Ground Rear heated seat switch	LO mode	0
	B647				Other than the above	12
	D047	6	Ground		HI mode	0
RH		0			Other than the above	12
КП		1		LO mode	0	
		I	I		Other than the above	12

Is the inspection result normal?

YES >> GO TO 4.

NO >> GO TO 3.

3.CHECK REAR HEATED SEAT SWITCH INDICATOR CIUCUIT

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

Cantinuity	eat control unit	Rear heated s	Rear heated seat switch				
Continuity	Terminal	Connector	Terminal	Connector Termina		Connector	
Existed	8	D0/7	9	LH B679 RH B649			
	3		1		LN		
	6	B647	9		DU		
	1		1		КП		

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

	Rear heated seat switch		Continuity	
Coni	Connector Terminal		-	Continuity
	LH B679 9 1 PH B640 9	9	Ground	
LN		1	Ground	Not existed
RH		9	-	NOL EXISTED
КП	B649	1		

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

4.CHECK INTERMITTENT INCIDENT

Refer to GI-44, "Intermittent Incident".

>> INSPECTION END

CLIMATE CONTROLLED SEAT DOES NOT OPERATE. < SYMPTOM DIAGNOSIS > SYMPTOM DIAGNOSIS А CLIMATE CONTROLLED SEAT DOES NOT OPERATE. **Diagnosis** Procedure INFOID:0000000011257717 В 1. CHECK CLIMATE CONTROLLED SEAT CONTROL UNIT POWER SUPPLY AND GROUND CIRCUIT Check climate controlled seat control unit power supply and ground circuit. Refer to SE-61, "CLIMATE CONTROLLED SEAT CONTROL UNIT : Diagnosis Procedure". Is the inspection result normal? YES >> GO TO 2. D NO >> Repair or replace the malfunctioning parts. 2.CHECK CLIMATE CONTROLLED SEAT SWITCH Ε Check climate controlled seat switch. Refer to SE-71, "Component Function Check". Is the inspection result normal? F YES >> GO TO 3. NO >> Repair or replace the malfunctioning parts. ${f 3.}$ CHECK CLIMATE CONTROLLED SEAT CUSHION BLOWER MOTOR Check climate controlled seat cushion blower motor. Refer to SE-82, "Component Function Check". Is the inspection result normal? Н YES >> GO TO 4. NO >> Repair or replace the malfunctioning parts. ${f 4.}$ REPLACE CLIMATE CONTROLLED SEAT CONTROL UNIT Replace climate controlled seat control unit. Is the inspection result normal? SE YES >> INSPECTION END NO >> GO TO 5. 5.CONFIRM THE OPERATION Κ Confirm the operation again. Is the inspection result normal? L YES >> Check intermittent incident. Refer to GI-44, "Intermittent Incident". NO >> GO TO 1.

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TEMPERATURE ADJUSTMENT IS IMPOSSIBLE

< SYMPTOM DIAGNOSIS >

TEMPERATURE ADJUSTMENT IS IMPOSSIBLE SEAT CUSHION

SEAT CUSHION : Diagnosis Procedure

INFOID:0000000011257718

1.CHECK CLIMATE CONTROLLED SEAT CUSHION BLOWER FILTER

Check climate controlled seat cushion blower filter. Refer to <u>SE-87, "Diagnosis Procedure"</u>.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

2. CHECK CLIMATE CONTROLLED SEAT SWITCH

Check climate controlled seat switch.

Refer to SE-71, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace the malfunctioning parts.

 $\mathbf{3}$. Check seat cushion thermal electric unit sensor

Check seat cushion thermal electric unit sensor.

Refer to SE-80, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace the malfunctioning parts.

4.CHECK SEAT CUSHION THERMAL ELECTRIC UNIT

Check seat cushion thermal electric unit.

Refer to SE-78, "Component Function Check".

Is the inspection result normal?

YES >> GO TO 5.

NO >> Repair or replace the malfunctioning parts.

5.CHECK CLIMATE CONTROLLED SEAT CUSHION BLOWER MOTOR

Check climate controlled seat cushion blower motor. Refer to <u>SE-82</u>, "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 <u>GI-44, "Intermittent Incident"</u>.

NO >> GO TO 1.

SEATBACK

SEATBACK : Diagnosis Procedure

INFOID:000000011257719

1.CHECK CLIMATE CONTROLLED SEAT CUSHION BLOWER FILTER

Check climate controlled seat cushion blower filter. Refer to <u>SE-87, "Diagnosis Procedure"</u>.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

TEMPERATURE ADJUSTMENT IS IMPOSSIBLE

< SYMPTOM DIAGNOSIS >	
2. CHECK CLIMATE CONTROLLED SEAT SWITCH	А
Check climate controlled seat switch. Refer to <u>SE-71, "Component Function Check"</u> .	
Is the inspection result normal?	В
YES >> GO TO 3.	D
NO >> Repair or replace the malfunctioning parts.	
3. CHECK SEATBACK THERMAL ELECTRIC UNIT SENSOR	С
Check seatback thermal electric unit sensor. Refer to <u>SE-76</u> , "Component Function Check".	
Is the inspection result normal?	D
YES >> GO TO 4.	
NO >> Repair or replace the malfunctioning parts.	
4. CHECK SEATBACK THERMAL ELECTRIC UNIT	E
Check seatback thermal electric unit.	
Refer to <u>SE-74, "Component Function Check"</u> .	F
Is the inspection result normal?	
YES >> GO TO 5. NO >> Repair or replace the malfunctioning parts.	0
5. CHECK CLIMATE CONTROLLED SEAT CUSHION BLOWER MOTOR	G
Check climate controlled seat cushion blower motor.	
Refer to SE-82. "Component Function Check".	Н
Is the inspection result normal?	
YES >> GO TO 6.	I
NO >> Repair or replace the malfunctioning parts.	1
6. CONFIRM THE OPERATION	
Confirm the operation again.	SE
Is the inspection result normal?	
YES >> Check intermittent incident. Refer to <u>GI-44, "Intermittent Incident"</u> . NO >> GO TO 1.	
NO >> GO TO T.	Κ
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CLIMATE CONTROLLED SEAT ACTIVATES ONCE BUT STOPS IMMEDIATELY

< SYMPTOM DIAGNOSIS >

CLIMATE CONTROLLED SEAT ACTIVATES ONCE BUT STOPS IMMEDI-ATELY

Description

INFOID:000000011257720

When turning climate controlled seat switch ON (COOL or HEAT), climate controlled seat activates once but stops immediately. (Repeats the same operation when turning ignition switch OFF and turning ignition switch ON again.)

Diagnosis Procedure

INFOID:0000000011257721

1.CHECK FAIL-SAFE

Check fail-safe detecting conditions and repair cause of fail-safe status. Refer to <u>SE-21, "Fail-safe"</u>.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

2. CHECK TEMPERTURE ADJUSTMENT FUNCTION

Check temperature adjustment function of climated controlled seat. Refer to <u>SE-102, "SEAT CUSHION : Diagnosis Procedure"</u>.

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 <u>GI-44, "Intermittent Incident"</u>.

NO >> GO TO 1.

SEAT SWITCH INDICATOR IS NOT ILLUMINATED IN HEAT OR COOL POSITION

< SYMPTOM	DIAGNOSIS >	

SEAT SWITCH INDICATOR IS NOT ILLUMINATED IN HEAT OR COOL PO-SITION

Diagnosis Procedure	INFOID:000000011257722	В
1. CHECK CLIMATE CONTROLLED SEAT SWITCH INDICATOR		D
Check climate controlled seat switch indicator. Refer to <u>SE-85, "Component Function Check"</u> .		С
Is the inspection result normal?		
YES >> GO TO 2. NO >> Repair or replace the malfunctioning parts.		D
2. CONFIRM THE OPERATION		
Confirm the operation again.		Ε
Is the inspection result normal?		
YES >> Check intermittent incident. Refer to <u>GI-44, "Intermittent Incident"</u> . NO >> GO TO 1.		F
		G

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FRONT HEATED SEAT DOES NOT OPERATE

< SYMPTOM DIAGNOSIS >

FRONT HEATED SEAT DOES NOT OPERATE

Diagnosis Procedure

INFOID:0000000011257723

1.CHECK FRONT HEATED SEAT SWITCH POWER SUPPLY

Check front heated seat switch power supply. Refer to SE-68, "FRONT HEATED SEAT SWITCH : Diagnosis Procedure".

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

2.CHECK FRONT HEATED SEAT RELAY

Check front heated seat relay. Refer to <u>SE-92, "Component Function Check"</u>.

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace the malfunctioning parts.

 ${
m 3.}$ CHECK FRONT SEAT CUSHION HEATER POWER SUPPLY AND GROUND CIRCUIT

Check front seat cushion heater power supply and ground circuit. Refer to <u>SE-65, "FRONT SEAT CUSHION HEATER : Diagnosis Procedure"</u>.

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace the malfunctioning parts.

CHECK FRONT HEATED SEAT SWITCH

Check front heated seat switch.

Refer to <u>SE-88, "FRONT : Component Function Check"</u>.

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 <u>GI-44, "Intermittent Incident"</u>.
- NO >> GO TO 1.

FRONT SEATBACK HEATER ONLY DOES NOT OPERATE

< SYMPTOM DIAGNOSIS >

FRONT SEATBACK HEATER ONLY DOES NOT OPERATE

		Λ
Diagnosis Procedure	INFOID:000000011257724	A
1.CHECK FRONT SEATBACK HEATER		В
Check front seatback heater. Refer to <u>SE-94, "FRONT : Component Function Check"</u> .		
<u>Is the inspection result normal?</u> YES >> GO TO 2.		С
NO >> Repair or replace the malfunctioning parts. 2.CONFIRM THE OPERATION		D
Confirm the operation again.		
Is the inspection result normal?		Е
YES >> Check intermittent incident. Refer to <u>GI-44. "Intermittent Incident"</u> . NO >> GO TO 1.		
		F

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CANNOT ADJUST FRONT HEATED SEAT TEMPERATURE

< SYMPTOM DIAGNOSIS >

CANNOT ADJUST FRONT HEATED SEAT TEMPERATURE

Diagnosis Procedure

INFOID:000000011257725

1.CHECK FRONT HEATED SEAT SWITCH

Check front heated seat switch.

Refer to SE-88, "FRONT : 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 <u>GI-44, "Intermittent Incident"</u>.

NO >> Replace front seat cushion heater.

HEATED SEAT SWITCH INDICATOR DOES NOT TURN ON

< SYMPTOM DIAGNOSIS >

HEATED SEAT SWITCH INDICATOR DOES NOT TURN ON FRONT

FRONT : Diagnosis Procedure	⁶ B
1. CHECK FRONT HEATED SEAT SWITCH INDICATOR	D
Check front heated seat switch indicator. Refer to <u>SE-99, "FRONT : Component Function Check"</u> . Is the inspection result normal?	С
YES >> GO TO 2. NO >> Repair or replace the malfunctioning parts. 2.CONFIRM THE OPERATION	D
Confirm the operation again.	E
<u>Is the inspection result normal?</u> YES >> Check intermittent incident. Refer to <u>GI-44, "Intermittent Incident"</u> . NO >> GO TO 1. REAR	F
REAR : Diagnosis Procedure	6 G
1. CHECK REAR HEATED SEAT SWITCH INDICATOR	
Check rear heated seat switch indicator. Refer to <u>SE-99, "REAR : Component Function Check"</u> .	Н
Is the inspection result normal? YES >> GO TO 2. NO >> Repair or replace the malfunction parts. 2.REPLACE REAR HEATED SEAT CONTROL UNIT	I
1. Replace rear heated seat control unit.	SE
 Confirm the operation after replacement. <u>Is the inspection result normal?</u> YES >> INSPECTION END NO >> Check intermittent incident. Refer to GI-44, "Intermittent Incident". 	K
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HI MODE AND LO MODE OF REAR HEATED SEAT DOES NOT OPERATE < SYMPTOM DIAGNOSIS >

HI MODE AND LO MODE OF REAR HEATED SEAT DOES NOT OPERATE

Diagnosis Procedure

INFOID:000000011472472

1. CHECK REAR HEATED SEAT CONTROL UNIT POWER SUPPLY AND GROUND CIRCUIT

Check rear heated seat control unit power supply and ground circuit. Refer to SE-69, "REAR HEATED SEAT CONTROL UNIT : Diagnosis Procedure".

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunction parts.

2.CHECK REAR HEATED SEAT SWITCH

Check rear heated seat switch.

Refer to SE-90, "REAR : Component Function Check".

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace the malfunction parts.

3.CHECK REAR SEAT CUSHION HEATER

Check rear seat cushion heater.

Refer to <u>SE-97, "Component Function Check"</u>.

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace the malfunction parts.

4.CHECK REAR SEATBACK HEATER

Check rear seatback heater.

Refer to <u>SE-95, "REAR : Component Function Check"</u>.

Is the inspection result normal?

YES >> GO TO 5.

NO >> Repair or replace the malfunction parts.

5.CONFIRM THE OPERATION

Confirm the operation again.

Is the result normal?

- YES >> Check intermittent incident. Refer to GI-44, "Intermittent Incident".
- NO >> GO TO 1.

HI MODE OR LO MODE OF REAR HEATED SEAT DOES NOT OPERATE

< SYMPTOM DIAGNOSIS >

HI MODE OR LO MODE OF REAR HEATED SEAT DOES NOT OPERATE

Diagnosis Procedure	INFOID:000000011472474	А
1.CHECK REAR HEATED SEAT SWITCH		В
Check rear heated seat switch. Refer to <u>SE-90, "REAR : Component Function Check"</u> .		С
<u>Is the inspection result normal?</u> YES >> GO TO 2. NO >> Repair or replace the malfunction parts.		C
2.CHECK REAR SEATBACK HEATER		D
Check rear seatback heater. Refer to <u>SE-95, "REAR : Component Function Check"</u> . Is the inspection result normal?		E
YES >> GO TO 3. NO >> Repair or replace the malfunction parts. 3. CHECK REAR SEAT CUSHION HEATER		F
Check rear seat cushion heater. Refer to <u>SE-97, "Component Function Check"</u> . <u>Is the inspection result normal?</u>		G
YES >> GO TO 4. NO >> Repair or replace the malfunction parts. 4. CONFIRM THE OPERATION		Η
Confirm the operation again. <u>Is the result normal?</u> YES >> Check intermittent incident. Refer to <u>GI-44, "Intermittent Incident"</u> . NO >> GO TO 1.		ا SE

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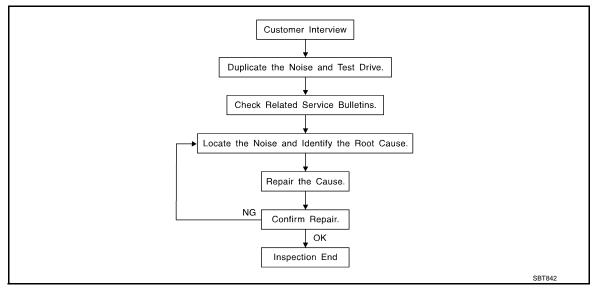
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< SYMPTOM DIAGNOSIS >

SQUEAK AND RATTLE TROUBLE DIAGNOSES

Work Flow



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 <u>SE-116</u>, "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 a technician 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 the repair is reconfirmed.

SE-112

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< 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 is are suspected to be the cause of the noise.
 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 is are suspected to be the cause of 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 by hand by touching the component(s) that is are suspected to be the cause of the noise.
- Placing a piece of paper between components that are suspected to be the cause of the noise.
- Looking for loose components and contact marks. Refer to <u>SE-114</u>, "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 the authorized Nissan Parts Department.

CAUTION:

Never use excessive force as many components are constructed of plastic and may be damaged. NOTE:

М 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) are listed on the inside cover of the kit, and can each be ordered separately as needed. URETHANE PADS [1.5 mm (0.059 in) thick] Ν Insulates connectors, harness, etc. 76268-9E005: 100 \times 135 mm (3.94 \times 5.31 in)/76884-71L01: 60 \times 85 mm (2.36 \times 3.35 in)/76884-71L02:15 \times 25 mm (0.59 \times 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 \times 1.97 in)/73982-50Y00: 10 mm (0.39 in) thick, 50 \times 50 mm (1.97 \times 1.97 in) Ρ INSULATOR (Light foam block) 80845-71L00: 30 mm (1.18 in) thick, 30×50 mm (1.18 \times 1.97in) FELT CLOTHTAPE 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

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Insulates where slight movement is present. Ideal for instrument panel applications. SILICONE GREASE Used in place of UHMW tape that is be visible or does not fit. Will only last a few months. SILICONE SPRAY Used when grease cannot be applied. DUCT TAPE Used 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:000000011257728

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:

Never use silicone spray to isolate a squeak or rattle. If the area is saturated with silicone, the recheck of repair becomes impossible.

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 following:

- 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. The areas can usually be insulated 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 customer. In addition look for the following:

- 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

Mos	YMPTOM DIAGNOSIS >	
	st of these incidents can be repaired by adjusting, securing or insulating the item(s) or component(s) caus- the noise.	
SU	NROOF/HEADLINING	
Noi	ses 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	
	in, pressing on the components to stop the noise while duplicating the conditions can isolate most of these dents. Repairs usually consist of insulating with felt cloth tape.	
Wh	ATS en isolating seat noise it's important to note the position the seats in and the load placed on the seat when noise occurs. These conditions should be duplicated when verifying and isolating the cause of the noise.	
	ise 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	
ditic	se noises can be isolated by moving or pressing on the suspected components while duplicating the con- ons under which the noise occurs. Most of these incidents can be repaired by repositioning the component pplying urethane tape to the contact area.	
IN	DERHOOD	
Sor trar	ne interior noise may be caused by components under the hood or on the engine wall. The noise is then smitted into the passenger compartment. Ises of transmitted underhood 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	
met or l	se noises can be difficult to isolate since they cannot be reached from the interior of the vehicle. The best hod is to secure, move or insulate one component at a time and test drive the vehicle. Also, engine RPM bad can be changed to isolate the noise. Repairs can usually be made by moving, adjusting, securing, or	
ทรเ	Ilating the component causing the noise.	

< SYMPTOM DIAGNOSIS >

Diagnostic Worksheet



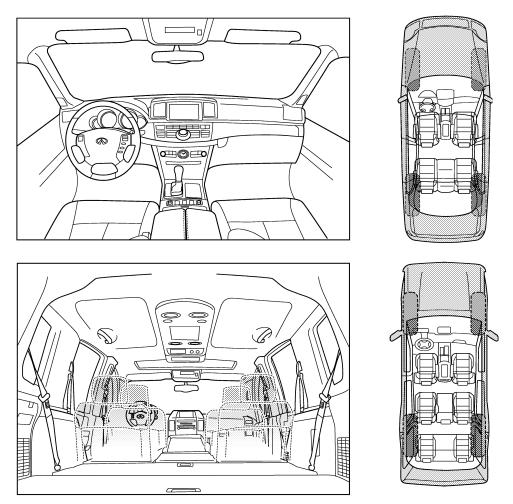
SQUEAK & RATTLE DIAGNOSTIC WORKSHEET

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.

INFOID:000000011257729

< SYMPTOM DIAGNOSIS >

·	oise occurs:
I. WHEN DOES IT OCCUR? (please ch	neck the boxes that apply)
anytime	after sitting out in the rain
☐ 1st time in the morning	when it is raining or wet
only when it is cold outside	dry or dusty conditions
only when it is hot outside	dther:
II. WHEN DRIVING:	IV. WHAT TYPE OF NOISE
through driveways	squeak (like tennis shoes on a clean floor)
over rough roads	☐ creak (like walking on an old wooden floor)
over speed bumps	☐ rattle (like shaking a baby rattle)
only about mph	knock (like a knock at the door)
on acceleration	tick (like a clock second hand)
coming to a stop	thump (heavy, muffled knock noise)
on turns: left, right or either (circle)	buzz (like a bumble bee)
with passengers or cargo	
other:	
other: miles or miles o	
other:	
other: miles or mi	P PERSONNEL
<pre>differ driving miles or miles fo BE COMPLETED BY DEALERSHIF fest Drive Notes: //ehicle test driven with customer</pre>	P PERSONNEL YES NO Initials of person performing
other: miles or m	P PERSONNEL YES NO Initials of person performing
other: miles or mi	P PERSONNEL YES NO Initials of person performing
Complete test driven with customer Noise verified on test drive Noise source located and repaired Follow up test drive performed to confin	YES NO Initials of person performing Initials of person performing Initials of person performing Image:
other: miles or	YES NO Initials of person performing Image: Ima

< REMOVAL AND INSTALLATION >

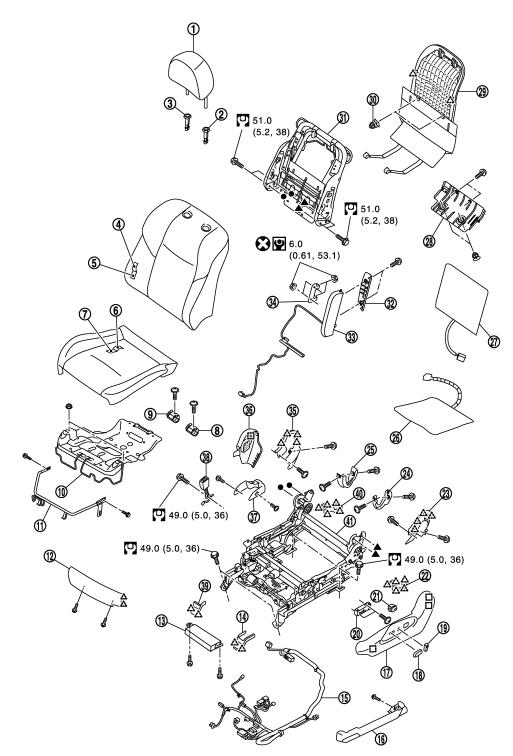
REMOVAL AND INSTALLATION FRONT SEAT

Exploded View

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DRIVER SEAT WITH SEAT HEATER

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< REMOVAL AND INSTALLATION >

1.	Headrest	2.	Headrest holder (locked)	3.	Headrest holder (free)	А
4.	Seatback trim	5.	Seatback pad	6.	Seat cushion trim	
7.	Seat cushion pad	8.	Seat cushion frame bracket LH	9.	Seat cushion frame bracket RH	
10.	Seat cushion frame	11.	Seat adjuster bar	12.	Seat cushion finisher (front)	В
13.	Seat control unit	14.	Front leg outer cover	15.	Seat harness	
16.	Seat cushion lower outer finisher	17.	Seat cushion outer finisher LH	18.	Seat slide and lifter switch knob	
19.	Seat reclining switch knob	20.	Seat control switch	21.	Lumber support switch	С
22.	Rear leg outer cover	23.	Seat cushion inner finisher LH	24.	Seat cushion rear finisher LH	
25.	Seat cushion rear finisher RH	26.	Seat cushion heater unit	27.	Seatback heater unit	
28.	Seat cushion rear finisher	29.	Seatback board	30.	Seatback board clip	D
31.	Seatback frame	32.	Side air bag module cover	33.	Side air bag module	
34.	Side air bag module bracket	35.	Seat cushion inner finisher RH	36.	Seat cushion outer finisher RH	
37.	Seat cushion lower inner finisher	38.	Seat belt buckle	39.	Front leg inner cover	E
40.	Rear leg inner cover	41.	Seat adjuster assembly			
<u>^</u>	: Pawl					
	: Metal clip					F
⊗	: Always replace after every disasser	nbly.				
Q	: N⋅m (kg-m, ft-lb)					G
Ŷ	: N·m (kg-m, in-lb)					
●,	Indicates that the part is connected	d at p	oints with same symbol in actual vehi	cle.		Н
DRIV	ER SEAT WITH SEAT SPEA	KE	R AND CLIMATE CONTRO	LLEI	D SEAT	
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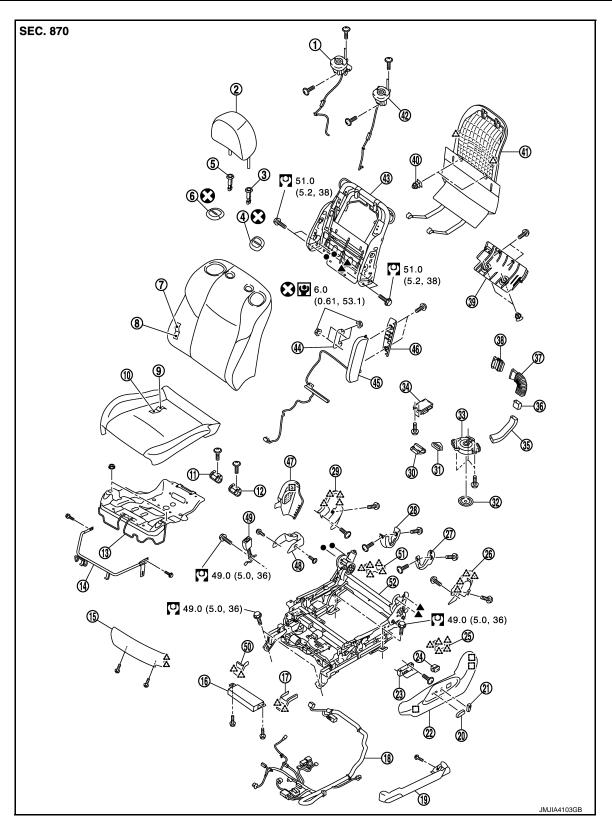
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< REMOVAL AND INSTALLATION >



- 1. Seat speaker RH
- 4. Seat speaker grill LH
- 7. Seatback trim
- 10. Seat cushion pad
- 13. Seat cushion frame
- 16. Seat control unit

- 2. Headrest
- 5. Headrest holder (free)
- 8. Seatback pad
- 11. Seat cushion frame bracket RH
- 14. Seat adjuster bar
- 17. Front leg outer cover

- 3. Headrest holder (locked)
- 6. Seat speaker grill RH
- 9. Seat cushion trim
- 12. Seat cushion frame bracket LH
- 15. Seat cushion finisher (front)
- 18. Seat harness

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< REMOVAL AND INSTALLATION >

19.	Seat cushion lower outer finisher	20.	Seat slide and lifter switch knob	21.	Seat reclining switch knob	
22.	Seat cushion outer finisher LH	23.	Seat control switch	24.	Lumber support switch	А
25.	Rear leg outer cover	26.	Seat cushion inner finisher LH	27.	Seat cushion rear finisher LH	
28.	Seat cushion rear finisher RH	29.	Seat cushion inner finisher RH	30.	Seat cushion thermal electric unit	_
31.	Seat cushion duct	32.	Climate controlled seat blower filter	33.	Climate controlled seat blower motor	В
34.	Climate controlled seat control unit	35.	Seatback duct	36.	Seatback duct	
37.	Seatback duct	38.	Seatback thermal electric unit	39.	Seat cushion rear finisher	
40.	Seatback board clip	41.	Seatback board	42.	Seat speaker LH	С
43.	Seatback frame	44.	Side air bag module bracket	45.	Side air bag module	
46.	Side air bag module cover	47.	Seat cushion outer finisher RH	48.	Seat cushion lower inner finisher	
49.	Seat belt buckle	50.	Front leg inner cover	51.	Rear leg inner cover	D
52.	Seat adjuster assembly					
2	: Pawl					Е
[_]	: Metal clip					
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PASS	ENGER SEAT WITH SEAT I		TER			

PASSENGER SEAT WITH SEAT HEATER

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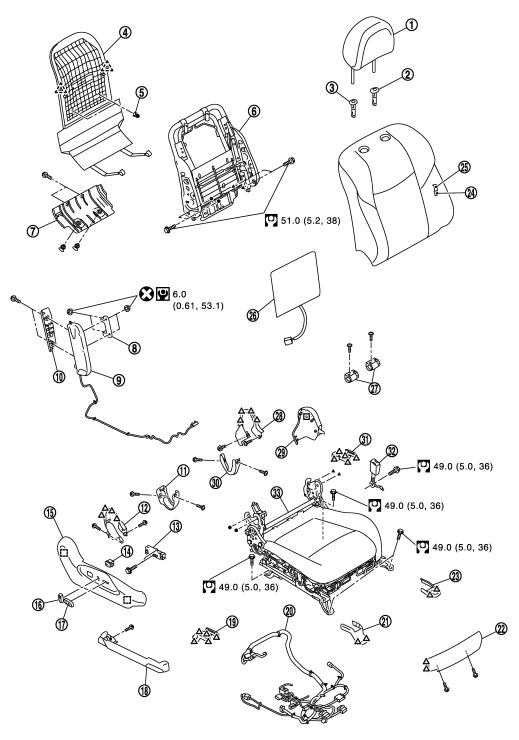
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< REMOVAL AND INSTALLATION >

SEC. 870



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Headrest holder (free)

Side air bag module

Seat cushion inner finisher LH

Seat cushion outer finisher RH

18. Seat cushion lower outer finisher

Seatback frame

3.

6.

9.

12.

15.

- 1. Headrest
- 4. Seatback board
- 7. Seat cushion rear finisher
- 10. Side air bag module cover
- 13. Seat control switch
- 16. Seat reclining switch knob
- 2. Headrest holder (locked)
- 5. Seatback board clip
- 8. Side air bag module bracket
- 11. Seat cushion rear finisher RH
- 14. Lumber support switch
- 17. Seat slide and lifter switch knob
- Revision: 2014 November

SE-122

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< REMOVAL AND INSTALLATION >

19.	Rear leg outer cover	20.	Seat harness	21.	Front leg outer cover	
22.	Seat cushion finisher (front)	23.	Front leg inner cover	24.	Seatback pad	А
25.	Seatback trim	26.	Seatback heater unit	27.	Seat cushion frame bracket	
28.	Seat cushion inner finisher LH	29.	Seat cushion outer finisher RH	30.	Seat cushion rear finisher LH	_
31.	Rear leg inner cover	32.	Seat belt buckle	33.	Seat cushion assembly	В
<u> </u>	: Pawl					
	: Metal clip					С
\bigotimes	: Always replace after every disassen	nbly.				
Q	: N⋅m (kg-m, ft-lb)					D
Ŷ	: N⋅m (kg-m, in-lb)					
●, ▲	Indicates that the part is connected	l at p	oints with same symbol in actual vehic	le.		Г
PASSI	ENGER SEAT WITH SEAT	SPE	AKER AND CLIMATE CON	TRC	DLLED SEAT	E
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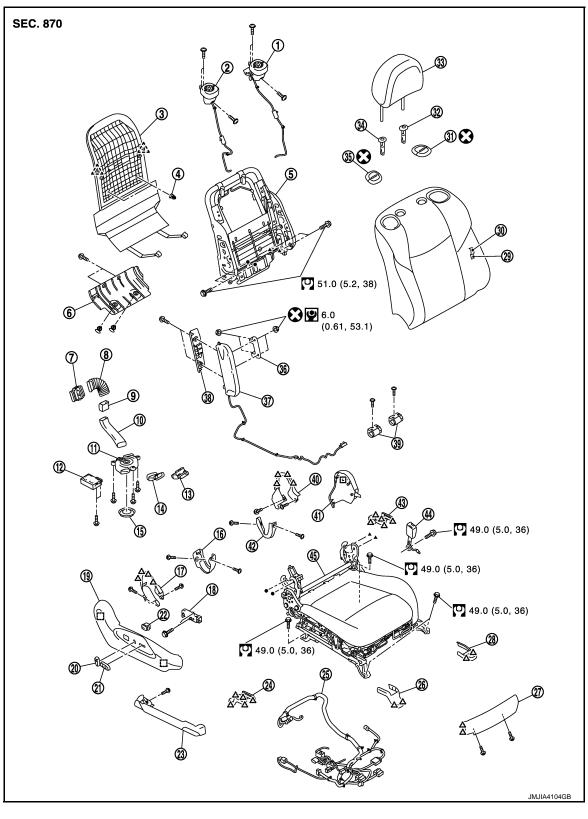
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< REMOVAL AND INSTALLATION >



- 1. Seat speaker LH
- 4. Seatback board clip
- 7. Seatback thermal electric unit
- 10. Seatback duct
- 13. Seat cushion thermal electric unit
- 16. Seat cushion rear finisher RH
- 2. Seat speaker RH
- 5. Seatback frame
- 8. Seatback duct
- 11. Climate controlled seat blower motor 12.
- 14. Seat cushion duct
- 17. Seat cushion inner finisher LH
- 3. Seatback board
- 6. Seat cushion rear finisher
- 9. Seatback duct
- 2. Climate controlled seat control unit
- 15. Climate controlled seat blower filter
- 18. Seat control switch

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< REMOVAL AND INSTALLATION >

19.	Lumber support switch	20.	Seat cushion outer finisher RH	21.	Seat reclining switch knob
22.	Seat slide and lifter switch knob	23.	Seat cushion lower outer finisher	24.	Rear leg outer cover
25.	Seat harness	26.	Front leg outer cover	27.	Seat cushion finisher (front)
28.	Front leg inner cover	29.	Seatback pad	30.	Seatback trim
31.	Seat speaker grill LH	32.	Headrest holder (locked)	33.	Headrest
34.	Headrest holder (free)	35.	Seat speaker grill RH	36.	Side air bag module bracket
37.	Side air bag module	38.	Side air bag module cover	39.	Seat cushion frame bracket
40.	Seat cushion inner finisher LH	41.	Seat cushion outer finisher RH	42.	Seat cushion rear finisher LH
43.	Rear leg inner cover	44.	Seat belt buckle	45.	Seat cushion assembly
$\hat{\Delta}$: Pawl				
	: Metal clip				
۲	: Always replace after every disasse	embly.			
Ú)	: N⋅m (kg-m, ft-lb)				
Ŷ	: N-m (kg-m, in-lb)				
●,	Indicates that the part is connected	ed at p	points with same symbol in actual veh	icle.	
lem	oval and Installation				INFOID:000000011257731

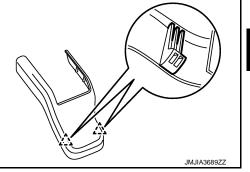
REMOVAL

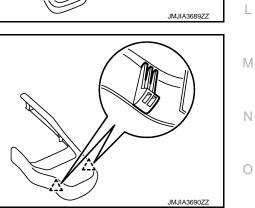
CAUTION:

When removing and installing, use shop cloths to protect parts from damage.

- 1. Remove the headrest.
- 2. Remove the front leg cover.
- a. Front outer leg cover
 - Slide the seat to the rearmost position.
 - Pull front leg cover outer front clips upward to disengage.
 - Slide front leg cover outer foreword to remove.

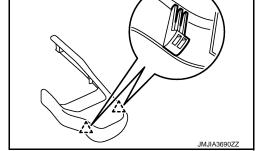
2 : Pawl





- b. Front inner leg cover
 - Slide seat to the rearmost position.
 - Pull front leg cover inner front pawls upward to disengage.
 - Slide front leg cover foreword to remove.

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- 3. Remove mounting bolts from the front of front seat.
- 4. Remove rear leg covers.

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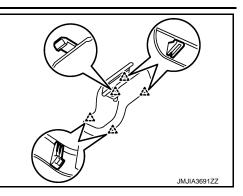
< REMOVAL AND INSTALLATION >

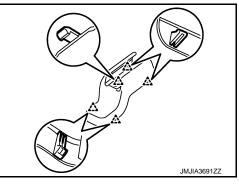
- a. Rear outer leg cover
 - Slide seat to the frontmost position.
 - Pull rear leg cover outer rear pawls upward to disengage and remove.
 - Open rear leg cover inner front, and then disengage and remove pawls.

2 : Pawl

- b. Rear inner leg cover
 - Slide the seat to the frontmost position.
 - Pull rear leg cover inner rear pawls upward to disengage and remove.
 - Open rear leg cover inner front, and then disengage and remove pawls.







- 5. Remove mounting bolts from the front seat rear side.
- 6. Set the seatback vertically.
- Remove seat cushion lower harness connector and harness clamp. CAUTION: Before removal, turn ignition switch OFF, disconnect battery negative terminal and then wait for at lest 3 minutes.
- Remove the front seat from the vehicle.
 CAUTION:
 When removing and installing, use shop cloths to protect parts from damage.

INSTALLATION

Note the following item, and then install in the reverse order of removal.

CAUTION:

Always fix the harness clamp in position.

NOTÉ:

Perform "Operation when disconnecting battery cable from negative terminal" after connecting the battery cable to the negative terminal. Refer to <u>ADP-57</u>. "ADDITIONAL SERVICE WHEN REMOVING BATTERY <u>NEGATIVE TERMINAL : Description</u>".

SEATBACK

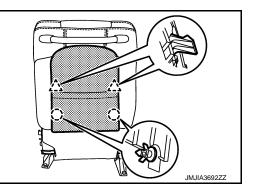
SEATBACK : Disassembly and Assembly

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Disassembly

- 1. Remove the seatback board.
 - 1. Pull seatback board forward. Disengage clips of lower side, and then disengage pawls.
 - 2. Pull seatback board downward. Remove seatback board.

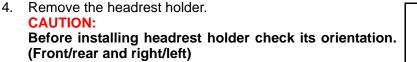


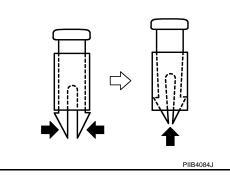


< REMOVAL AND INSTALLATION >

- 2. Remove seatback trim and seatback pad.
 - 1. Remove seatback retainer (A).
 - 2. Remove mounting clips (B).

3. Disconnect the seatback heater unit harness connector. (Heated seat model only.)





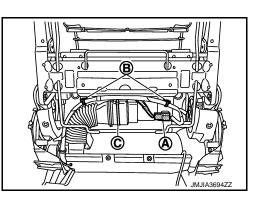
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- 5. Remove the side air bag module cover.
- 6. Remove the side air bag module mounting nuts. Refer to <u>SR-17, "Removal and Installation"</u>.
- 7. Remove the speaker grill (seat with speaker only). Refer to AV-413, "Removal and Installation".
- 8. Remove the seatback trim and seatback pad from the seatback frame. **NOTE:**

For models with seat heater, remove seatback heater unit, seatback trim, and seatback pad as a set. 9. Remove the hog rings, and separate the seatback trim and seatback pad.

- 3. Remove the seatback silencer.
- 4. Remove the seatback thermal electric unit harness connector (A).
- 5. Remove the harness clips (B).
- 6. Cut mounting band (C) of seatback thermal electric unit.



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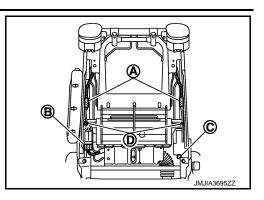
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< REMOVAL AND INSTALLATION >

7. Disconnect seatback speaker harness connector (A), reclining motor harness connector (B), Lumbar support motor harness connector (C), and harness clip (D).



8. Remove mounting bolts, and then remove seatback frame.

Assembly

Note the following item, and then assembly in the reverse order of disassembly. **CAUTION:**

- Install the hog rings of seat trim in position, and then securely connect the trim or trim cord with the pad side wire.
- Apply door regulator grease or an equivalent to shaft and gear positions of lumber support unit. (Models with power lumber support only)



SEAT CUSHION : Disassembly and Assembly

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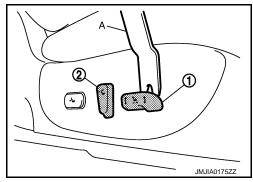
Disassembly

CAUTION:

Do not disassemble front passenger seat cushion assembly (USA/Canada model only). Always replace as an assembly.

For front passenger seat service parts, refer to the service part catalogue.

- 1. Remove the seat cushion outer finisher.
 - 1. Remove the seat slide & lifter switch and seat reclining switch (1) knob (2) using a remover tool (A).



< REMOVAL AND INSTALLATION >

- 2. Pull seat cushion outer finisher forward. Disengage metal clips and pawls.
 - : Pawl : Metal clip

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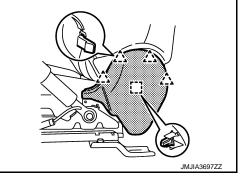
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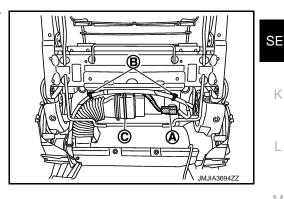
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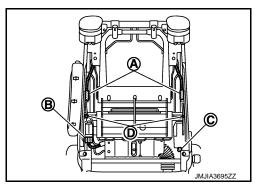
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- 3. Remove the lumber support switch harness connector.
- 2. Remove the seat cushion inner finisher.
 - Pull seat cushion inner finisher forward. Disengage pawls and metal clips.
 - : Pawl $\hat{\Delta}$: Metal clip :]



- 3. Remove the seatback trim and seatback pad from the seatback frame. Refer to SE-126, "SEATBACK : Disassembly and Assembly".
- Remove the seatback silencer. 4.
- 5. Remove the seatback thermal electric unit harness connector (A).
- 6. Remove the harness clips (B).
- 7. Cut mounting band (C) of seatback thermal electric unit.

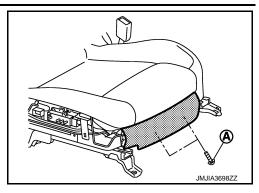




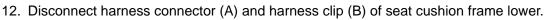
8. Disconnect seatback speaker harness connector (A), reclining motor harness connector (B), lumber support motor harness connector (C), and harness clip (D).

< REMOVAL AND INSTALLATION >

9. Remove the mounting screw (A). Remove the seat cushion front finisher.

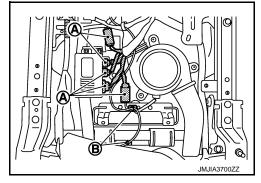


- 10. Remove the seat cushion rear finisher.
- 11. Disconnect the seatback heater unit harness connector (A). (Heated seat model only.)



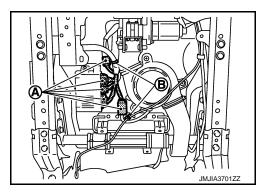
Driver's seat

Passenger's seat



-(A)

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- 13. Remove the mounting nut and screw. Remove seat cushion frame.
- 14. Remove the thermal electric unit from seat cushion frame.
- 15. Remove the seat cushion trim and seat cushion pad.
 - 1. Remove the seat cushion retainer.
 - 2. Remove the seat cushion trim and seat cushion pad from the seat cushion frame. **NOTE:**

SE-130

< REMOVAL AND INSTALLATION >

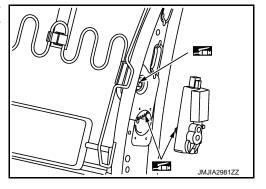
- For models with seat heater, remove seat cushion heater unit, seat cushion trim, and seat cushion pad as a set.
- 3. Remove the hog rings, and separate the seat cushion trim and seat cushion pad.
- 16. Remove the following parts from seat adjuster assembly.
 - Seat cushion inner finisher
 - Seat cushion rear finisher
 - Seat cushion outer finisher lower
 - Seat belt buckle: Refer to SB-11, "SEAT BELT BUCKLE : Removal and Installation".

Assembly

Note the following item, and then assembly in the reverse order of disassembly.

CAUTION:

- Install the hog rings of seat trim in position, and then securely connect the trim or trim cord with the pad side wire.
- Apply door regulator grease or an equivalent to shaft and gear positions of lumber support unit. (Models with power lumber support only)

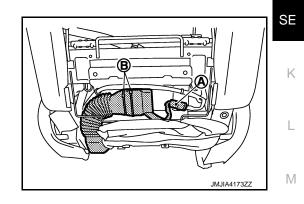


CLIMATE CONTROLLED SEAT UNIT

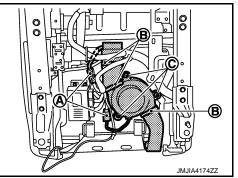
CLIMATE CONTROLLED SEAT UNIT : Disassembly and Assembly

Disassembly

- 1. Remove the seatback duct and seatback thermal electric unit.
 - 1. Remove the harness connector (A).
 - 2. Remove the band (B).



- 2. Remove the seatback duct.
- Remove the seat cushion duct, seat cushion thermal electric unit and climate controlled seat blower ^N motor.
 - 1. Disconnect the harness connectors (A).
 - 2. Remove the band (B)
 - 3. Remove the climate controlled seat blower motor mounting screws (C).



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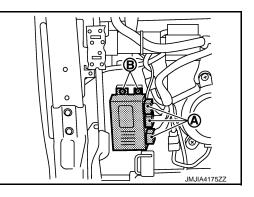
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< REMOVAL AND INSTALLATION >

- 4. Remove the seat cushion duct.
- 5. Remove the climate controlled seat control unit.
 - 1. Disconnect the harness connectors (A).
 - 2. Remove the climate controlled seat control unit mounting screws (B).



Assembly

Assemble in the reverse order of disassembly.

FRONT HEATED SEAT SWITCH

< REMOVAL AND INSTALLATION >	_
FRONT HEATED SEAT SWITCH	А
Exploded View	
Refer to IP-23, "Exploded View".	В
Removal and Installation	41
REMOVAL CAUTION:	С
When removing and installing, use shop cloths to protect parts from damage.	_
 Remove console finisher assembly from center console assembly. Refer to <u>IP-24, "Removal and Installa</u> tion". 	<u>-</u> D
 Remove console indicator finisher from console finisher assembly. Refer to <u>IP-27</u>, "Disassembly and <u>Assembly</u>". 	<u>d</u> E
3. Disconnect heated seat switch connector.	
4. Remove heated seat switch from switch panel using remover tool.	F
INSTALLATION	
Install in the reverse order of removal. CAUTION: Always clamp the harness to the right place.	G

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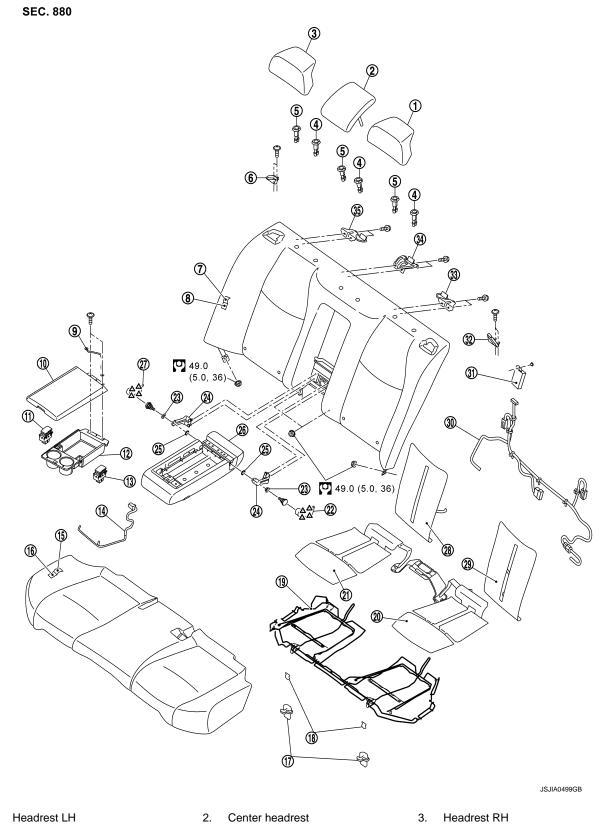
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< REMOVAL AND INSTALLATION >

REAR SEAT

Exploded View

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- Headrest LH 1.
- 4. Headrest holder (locked)
- Seatback trim 7.

Headrest holder (free)

5.

8.

- Headrest RH 3.
- 6. Seat belt hook RH
- 9. Earth wire

REAR SEAT

< REMOVAL AND INSTALLATION >

10.	Center armrest lid	11.	Seat heater switch	12.	Center armrest try and tray	
13.	Seat heater switch	14.	Harness	15.	Seat cushion trim	A
16.	Seat cushion pad	17.	Seat cushion hook	18.	Seat cushion hook	
19.	Seat cushion FRM assembly	20.	Seat cushion heater assembly LH	21.	Seat cushion heater assembly RH	_
22.	Center armrest hinge escutcheon LH	23.	Center armrest bush	24.	Center armrest hinge	В
25.	Center armrest washer	26.	Center armrest assembly	27.	Center armrest hinge escutcheon RH	
28.	Seatback heater assembly RH	29.	Seatback heater assembly LH	30.	Harness	С
31.	Seat heater contorol	32.	Seat belt hook LH	33.	Seatback bracket LH	
34.	Center seatback bracket	35.	Seatback bracket RH			
<u></u> :	pawl					D
0	: N⋅m (kg-m, ft-lb)					
Remo	oval and Installation				INFOID:000000011257736	E
REMC	DVAL					F

CAUTION:

When removing and installing, use shop cloths to protect parts from damage.

- 1. Lift up seat cushion. Disengage seat cushion hook. Remove seat cushion.
- 2. Disconnect seat heater harness connectors.
- 3. Remove all rear headrests.
- 4. Remove mounting nuts of seatback.
- 5. Lift up seatback, release wire on back of seatback from seatback hook and then remove seatback.
- 6. Remove mounting nuts from back of seatback. Remove center armrest.

INSTALLATION

Install in the reverse order of removal.

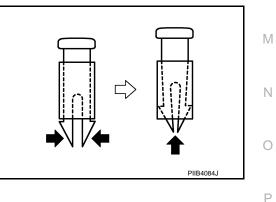
Disassembly and Assembly

SEATBACK

DISASSEMBLY

- 1. Remove mounting bolts, and then remove seat belt guide LH and RH.
- 2. Remove mounting bolts. Remove seatback bracket LH, seatback bracket RH and center seatback bracket.
- 3. Remove the headrest holder.

CAUTION: Before installing headrest holder check its orientation. (front/rear and right/left)



- 4. Remove hog rings and remove seatback trim from seatback pad.
- 5. Disconnect seat heater controller connector and then remove seat heater controller mounting bolt.
- 6. Disconnect seatback heater harness and then remove seatback heater.

ASSEMBLY

Assemble in the reverse order of disassembly. CAUTION: INFOID:000000011257737

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REAR SEAT

< REMOVAL AND INSTALLATION >

Install the hog rings of seat trim in position, and then securely connect the trim or trim cord with the pad side wire.

SEAT CUSHION

DISASSEMBLY

- 1. Remove hog rings and remove seat cushion trim from seat cushion pad.
- 2. Disconnect seat cushion heater connector.
- 3. Remove seat cushion heater from seat cushion frame.

ASSEMBLY

Assemble in the reverse order of disassembly.

CAUTION:

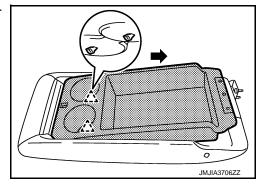
Install the hog rings of seat trim in position, and then securely connect the trim or trim cord with the pad side wire.

ARMREST

DISASSEMBLY

- 1. Remove mounting screws. Remove center armrest lid.
- 2. Slide center armrest tray & box. Disengage pawls. Remove center armrest tray & box.

2 : Pawl



- 3. Remove center armrest hinge escutcheon.
- 4. Remove mounting bolts. Remove center armrest hinge.

ASSEMBLY

Assemble in the reverse order of disassembly.

REAR HEATED SEAT SWITCH

< REMOVAL AND INSTALLATION >

REAR HEATED SEAT SWITCH

Exploded View

Refer to SE-134, "Exploded View".

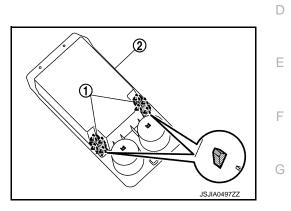
Removal and Installation

REMOVAL CAUTION:

When removing and installing, use shop cloths to protect parts from damage.

- 1. Remove the armrest. Refer to SE-134, "Exploded View".
- 2. Remove heated seat switch (1) from Armrest try box (2).

کے : Pawl



INSTALLATION Install in the reverse order of removal.

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< REMOVAL AND INSTALLATION >

POWER SEAT SWITCH

Exploded View

Refer to SE-118, "Exploded View".

Removal and Installation

REMOVAL

CAUTION:

When removing and installing, use shop cloths to protect parts from damage.

- 1. Remove front seat. Refer to <u>SE-125, "Removal and Installation"</u>.
- 2. Remove seat cushion outer finisher. Refer to SE-128, "SEAT CUSHION : Disassembly and Assembly".
- 3. Disconnect power seat switch connector.
- 4. Remove screws.
- 5. Remove power seat switch from seat cushion outer finisher.

NOTE:

The same procedure is also performed for passenger side.

INSTALLATION Install in the reverse order of removal. CAUTION:

Always clamp the harness to the right place.

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CLIMATE CONTROLLED SEAT SWITCH

< REMOVAL AND INSTALLATION >

CLIMATE CONTROLLED SEAT SWITC	Η
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Exploded View	\square
Refer to IP-23, "Exploded View".	В
Removal and Installation	
REMOVAL CAUTION:	С
 When removing and installing, use shop cloths to protect parts from damage. 1. Remove console finisher assembly from center console assembly. Refer to <u>IP-24</u>, "<u>Removal and Installation</u>". 	D
 Remove console indicator finisher from console finisher assembly. Refer to <u>IP-27</u>, "<u>Disassembly and</u> <u>Assembly</u>". 	Е
3. Disconnect climate controlled seat switch connector.	
4. Remove climate controlled seat switch from switch panel using a remover tool.	F
INSTALLATION Install in the reverse order of removal. CAUTION: Always clamp the harness to the right place.	G

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CLIMATE CONTROLLED SEAT BLOWER FILTER

< REMOVAL AND INSTALLATION >

CLIMATE CONTROLLED SEAT BLOWER FILTER

Exploded View

Refer to SE-118, "Exploded View".

Removal and Installation

REMOVAL

CAUTION:

When removing and installing, use shop cloths to protect parts from damage.

1. Remove front seat. Refer to SE-125, "Removal and Installation".

2. Turn blower filter counter clockwise and remove it from climate controlled seat cushion blower motor.

NOTE:

The same procedure is also performed for passenger side.

INSTALLATION

Install in the reverse order of removal.

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