

SECTION **SE**  
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# PRECAUTIONS

< PRECAUTION >

## PRECAUTION

### PRECAUTIONS

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

INFOID:000000009760391

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 dual stage front air bag modules. The SRS system may only deploy one front air bag, depending on the severity of a collision and whether the front passenger seat is occupied. Information necessary to service the system safely is included in the SR and SB section of this Service Manual.

#### **WARNING:**

- To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision which would result in air bag inflation, all maintenance must be performed by an authorized NISSAN/INFINITI dealer.
- Improper maintenance, including incorrect removal and installation of the SRS, can lead to personal injury caused by unintentional activation of the system. For removal of Spiral Cable and Air Bag Module, see the SR section.
- Do not use electrical test equipment on any circuit related to the SRS unless instructed to in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harnesses or harness connectors.

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

#### **WARNING:**

- When working near the Airbag Diagnosis Sensor Unit or other Airbag System sensors with the Ignition ON or engine running, DO NOT 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 three minutes before performing any service.

#### Precaution for Work

INFOID:000000009763555

- 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 prevent them from being dropped.
- Replace a deformed or damaged clip.
- If a part is specified as a non-reusable part, always replace it with a new one.
- Be sure to tighten bolts and nuts securely to the specified torque.
- After installation is complete, be sure to check that each part works properly.
- Follow the steps below to clean components:
  - Water soluble dirt:
    - Dip a soft cloth into lukewarm water, wring the water out of the cloth and wipe the dirty area.
    - Then rub with a soft, dry cloth.
  - Oily dirt:
    - Dip a soft cloth into lukewarm water with mild detergent (concentration: within 2 to 3%) and wipe the dirty area.
    - Then dip a cloth into fresh water, wring the water out of the cloth and wipe the detergent off.
    - Then rub with a soft, dry cloth.
  - Do not use organic solvent such as thinner, benzene, alcohol or gasoline.
  - For genuine leather seats, use a genuine leather seat cleaner.

# PREPARATION

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## PREPARATION

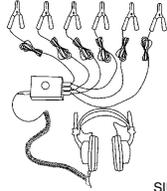
### PREPARATION

#### Special Service Tool

INFOID:000000009133788

The actual shapes of Kent-Moore tools may differ from those of special service tools illustrated here.

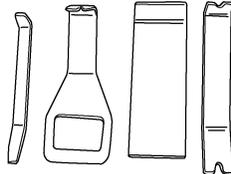
Tool number (Kent-Moore No.) Tool name	Description
— (J-39570) Chassis Ear	Locating the noise
— (J-50397) INFINITI Squeak and Rattle Kit	Repairing the cause of noise
— (J-46534) Trim Tool Set	Removing trim components
— (J-51030) Seat Fixture Kit	Securing second row seat slides for removal and installation of seat assembly



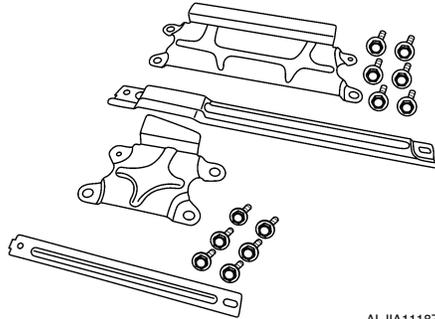
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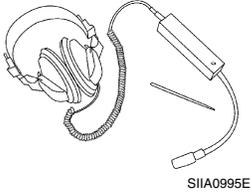
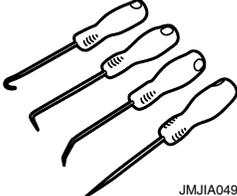
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# PREPARATION

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## Commercial Service Tool

INFOID:000000009133789

(Kent-Moore No.) Tool name	Description
(J-39565) Engine Ear 	Locating the noise
( — ) Hook and Pick Tool 	Removes snap rings

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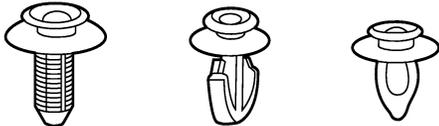
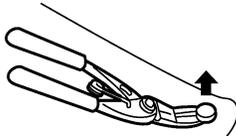
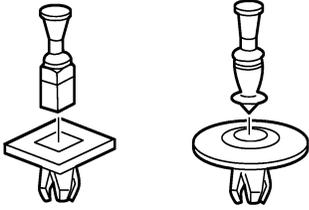
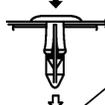
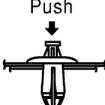
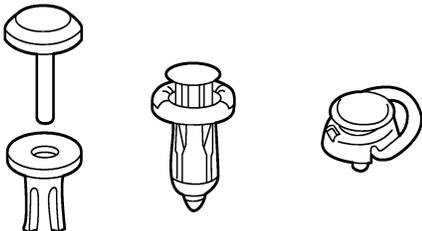
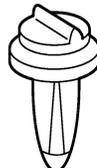
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## CLIP LIST

Descriptions for Clips

INFOID:000000009133790

Replace any clips which are damaged during removal or installation.

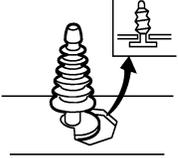
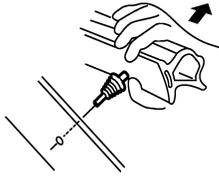
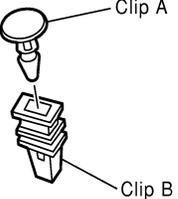
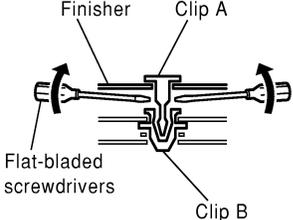
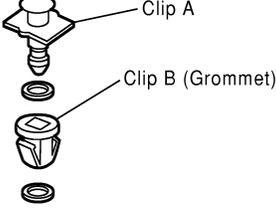
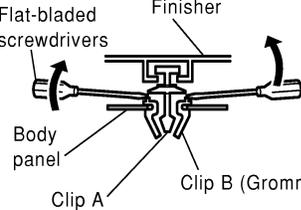
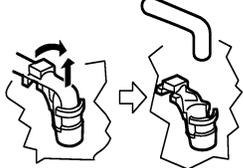
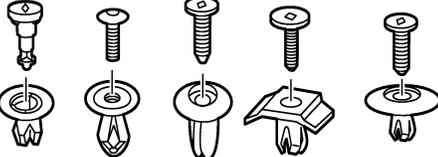
Symbol No.	Shapes	Removal & Installation
C101 		<p><b>Removal:</b> Remove by bending up with flat-bladed screwdrivers or clip remover.</p> 
C103 		 <p><b>Removal:</b> Remove with a clip remover.</p>
C203 		<p><b>Removal:</b> Push center pin to catching position. (Do not remove center pin by hitting it.)</p> <p>Push</p>  <p><b>Installation:</b></p> <p>Push</p> 
C205 		<p><b>Removal:</b></p> <p>Flat-bladed screwdriver</p>  <p>Clip</p> <p>Finisher</p>
C206 		<p><b>Removal:</b></p> 

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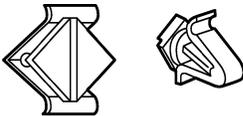
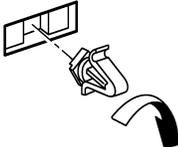
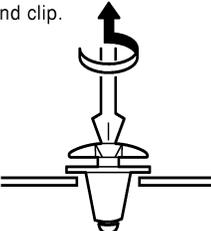
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Symbol No.	Shapes	Removal & Installation
<p>CE103</p> 		<p><b>Removal:</b></p> 
<p>CF110</p> 		<p><b>Removal:</b></p> 
<p>CF118</p> 		<p><b>Removal:</b></p> 
<p>CR103</p> 		<p><b>Removal:</b> Holder portion of clip must be spread out to remove rod.</p> 
<p>CS101</p> 		<p><b>Removal:</b></p> <ol style="list-style-type: none"> <li>1. Screw out with a Phillips screwdriver.</li> <li>2. Remove female portion with flat-bladed screwdriver.</li> </ol> 

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# CLIP LIST

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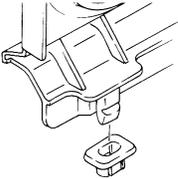
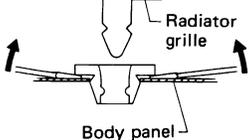
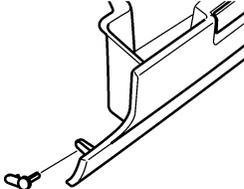
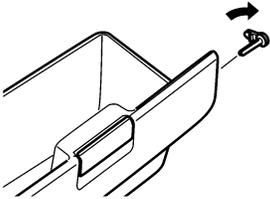
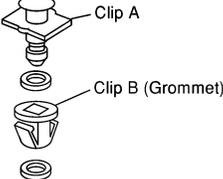
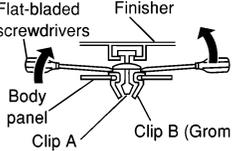
Symbol No.	Shapes	Removal & Installation	
CG101 		<b>Removal:</b>  Rotate 45° to remove	<b>Installation:</b> 
CS102 			
CS113 		<b>Removal:</b> Disconnect upper connection of clip with a flat-bladed screwdriver, then remove clip while inserting a flat-bladed screwdriver between body panel and clip. 	
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Symbol No.	Shapes	Removal & Installation
<p>CG104</p> 		<p><b>Removal:</b> Remove by bending up with flat-bladed screwdrivers.</p>  <p>Radiator grille Body panel</p>
<p>CE114</p> 		
<p>CF118</p> 	 <p>Clip A Clip B (Grommet)</p>	<p><b>Removal:</b> Flat-bladed screwdrivers Finisher</p>  <p>Body panel Clip A Clip B (Grommet)</p>

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# COMPONENT PARTS

< SYSTEM DESCRIPTION >

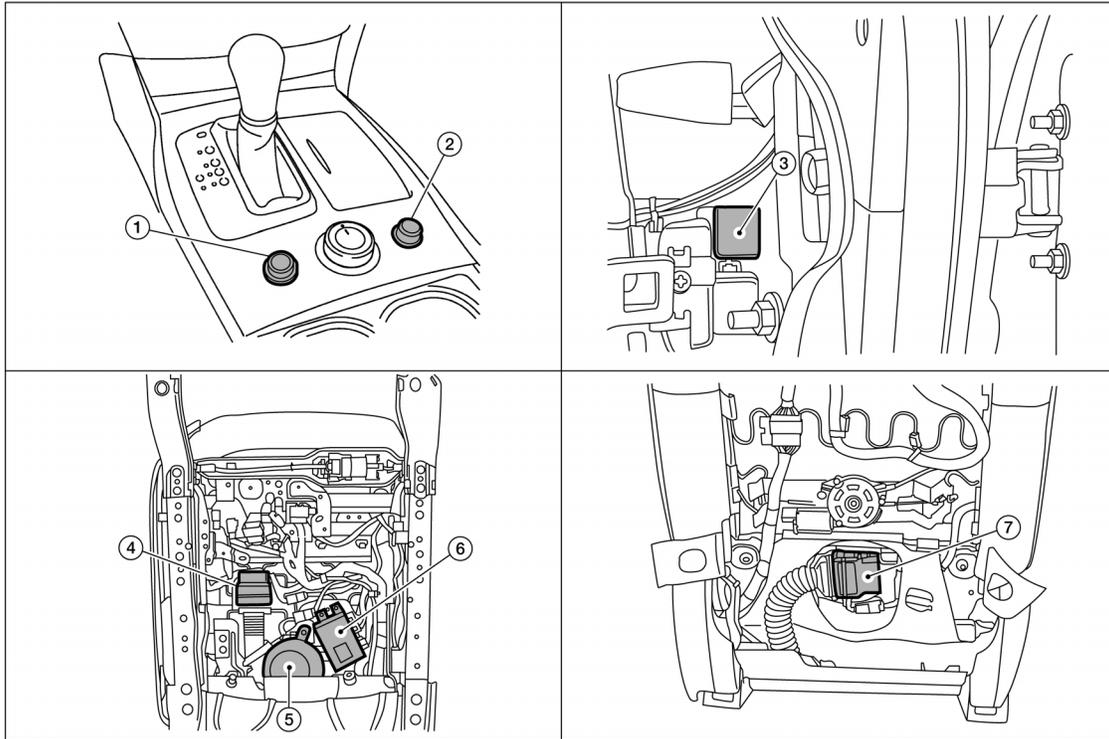
## SYSTEM DESCRIPTION

### COMPONENT PARTS

#### CLIMATE CONTROLLED SEAT SYSTEM

#### CLIMATE CONTROLLED SEAT SYSTEM : Component Parts Location

INFOID:000000009133795



ALJIA0773ZZ

- |                                                 |                                                    |                                                                          |
|-------------------------------------------------|----------------------------------------------------|--------------------------------------------------------------------------|
| 1. Climate controlled seat switch (driver seat) | 2. Climate controlled seat switch (passenger seat) | 3. Climate controlled seat relay (view with instrument panel RH removed) |
| 4. Seat cushion thermal electric device         | 5. Climate controlled seat blower motor            | 6. Climate controlled seat control unit                                  |
| 7. Seat back thermal electric device            |                                                    |                                                                          |

#### CLIMATE CONTROLLED SEAT SYSTEM : Component Description

INFOID:000000009133796

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 OFF
Climate controlled seat control unit	Installed in the seat cushion and controls the climate controlled seat blower motor, seat-back thermal electric device, and seat cushion thermal electric device in accordance 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
Climate controlled seat blower motor	Installed in the seat cushion and sends the airflow to the seatback thermal electric device and seat cushion thermal electric device in accordance with the control from the climate controlled seat control unit

# COMPONENT PARTS

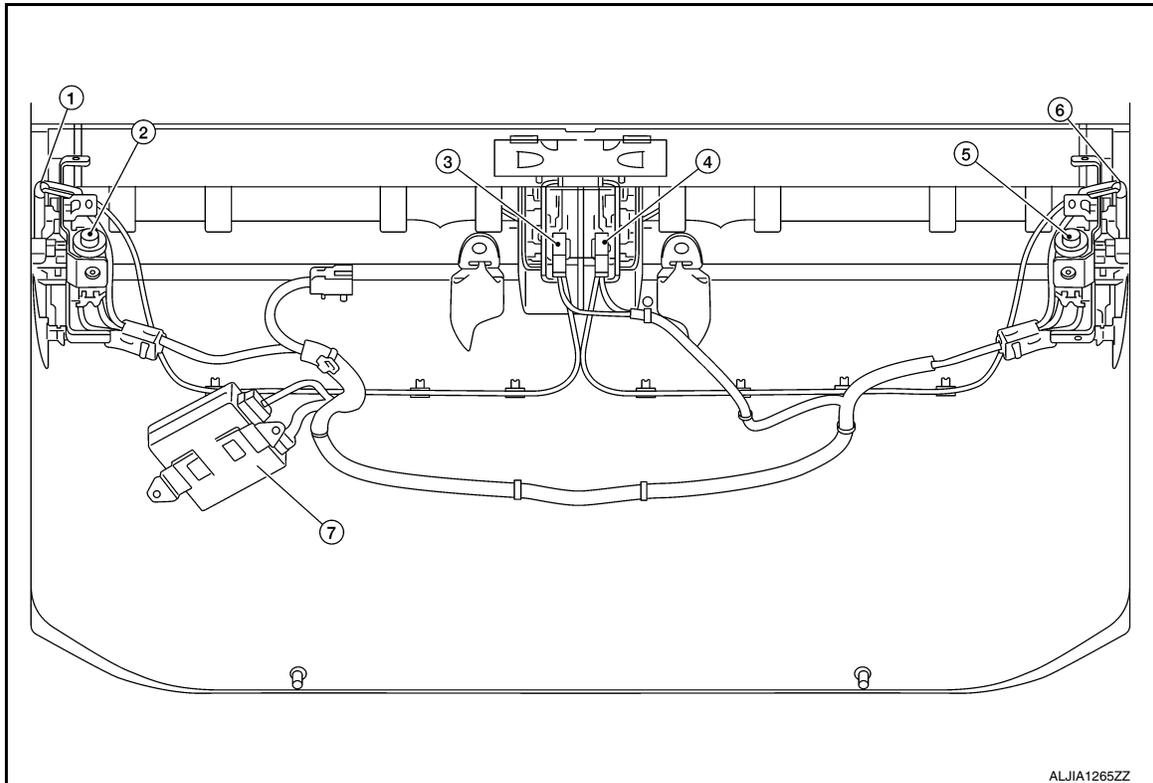
## < SYSTEM DESCRIPTION >

Item	Function
Seatback thermal electric device	Installed in the seatback 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 device	Installed in the seat cushion 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

## THIRD ROW SEATBACK POWER RETURN SYSTEM

### THIRD ROW SEATBACK POWER RETURN SYSTEM : Component Parts Location

INFOID:000000009760269



- |                                                    |                                     |                                                       |
|----------------------------------------------------|-------------------------------------|-------------------------------------------------------|
| 1. Sector gear position limit switch (driver side) | 2. Power return motor assembly (LH) | 3. Seatback angle limit switch (driver side)          |
| 4. Seatback angle limit switch (passenger side)    | 5. Power return motor assembly (RH) | 6. Sector gear position limit switch (passenger side) |
| 7. Seatback power return control unit              |                                     |                                                       |

Item	Function
Rear seatback switch	Refer to <a href="#">SE-13, "THIRD ROW SEATBACK POWER RETURN SYSTEM : Rear Seatback Switch"</a> .
Sector gear position limit switch	Refer to <a href="#">SE-13, "THIRD ROW SEATBACK POWER RETURN SYSTEM : Sector Gear Position Limit Switch"</a> .
Power return motor assembly	Refer to <a href="#">SE-13, "THIRD ROW SEATBACK POWER RETURN SYSTEM : Power Return Motor Assembly"</a> .
Seatback angle limit switch	Refer to <a href="#">SE-13, "THIRD ROW SEATBACK POWER RETURN SYSTEM : Seatback Angle Limit Switch"</a> .
Seatback power return control unit	Refer to <a href="#">SE-13, "THIRD ROW SEATBACK POWER RETURN SYSTEM : Seatback Power Return Control Unit"</a> .

# COMPONENT PARTS

< SYSTEM DESCRIPTION >

## THIRD ROW SEATBACK POWER RETURN SYSTEM : Rear Seatback Switch

INFOID:000000009760414

A

Operates seatback return function of third seat.

## THIRD ROW SEATBACK POWER RETURN SYSTEM : Sector Gear Position Limit Switch

INFOID:000000009760416

B

With the power supplied from rear seatback switch, operates the movement of seatback.

## THIRD ROW SEATBACK POWER RETURN SYSTEM : Power Return Motor Assembly

INFOID:000000009760417

C

D

With the power supplied from rear seatback switch, operates the seatback of the rear seat.

## THIRD ROW SEATBACK POWER RETURN SYSTEM : Seatback Angle Limit Switch

INFOID:000000009760418

E

With the power supplied from rear seatback switch, operates the up and down movement of seat the seatback.

F

## THIRD ROW SEATBACK POWER RETURN SYSTEM : Seatback Power Return Control Unit

INFOID:000000009760421

G

Controls the seatback power return system.

H

I

SE

K

L

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O

P

# SYSTEM

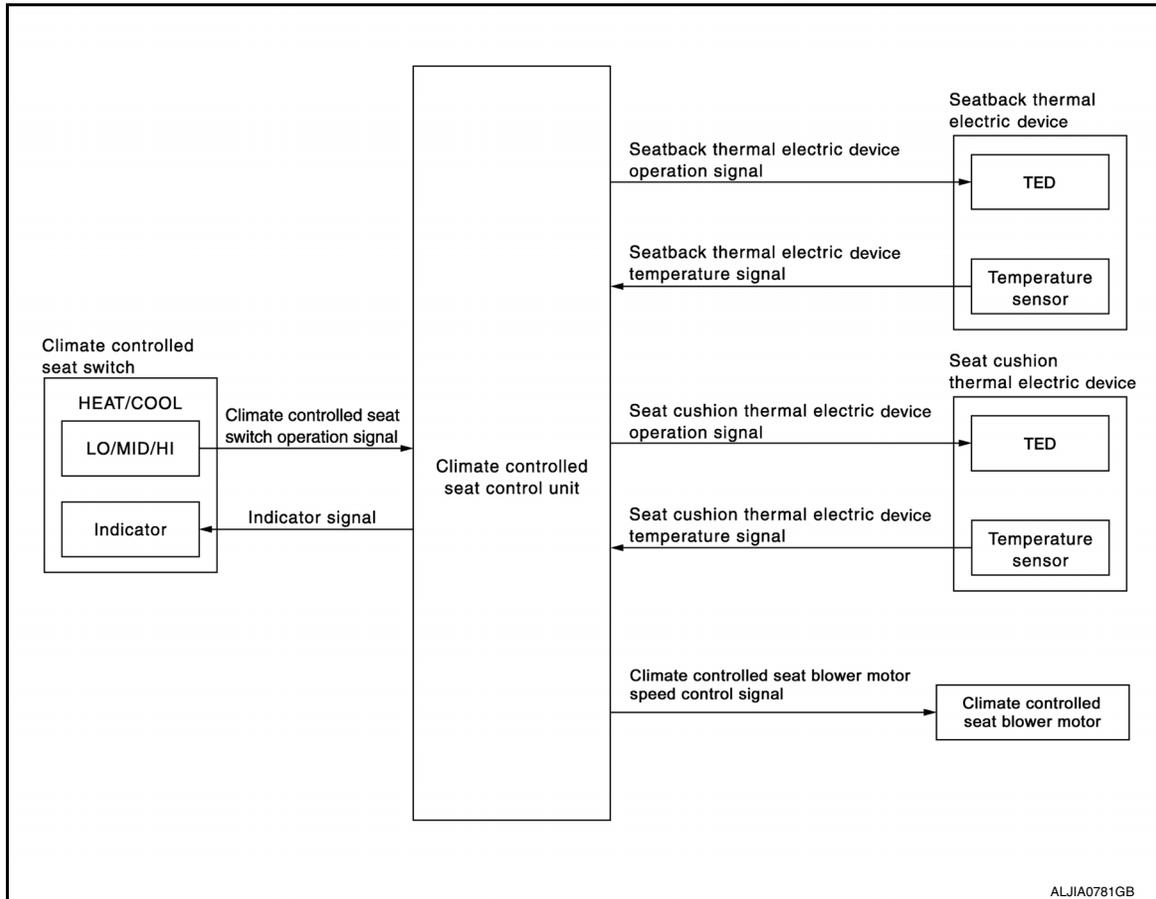
< SYSTEM DESCRIPTION >

## SYSTEM

### CLIMATE CONTROLLED SEAT SYSTEM

#### CLIMATE CONTROLLED SEAT SYSTEM : System Diagram

INFOID:000000009133797



#### CLIMATE CONTROLLED SEAT SYSTEM : System Description

INFOID:000000009133798

- The climate controlled seat system is controlled by the climate controlled seat control unit.
- Operation of the climate controlled seat switch sends heated or cooled airflow and adjusts the seat temperature.

#### SEAT CUSHION AND SEATBACK TEMPERATURE ADJUSTMENT FUNCTION

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

#### NOTE:

The climate controlled seat blower motor maintains low speed for approximately 60 seconds after turning the climate controlled seat switch off.

#### CAUTION:

- **The thermal electric device 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 work, always turn OFF the switch and check that the thermal electric device is cold.**

#### FAIL-SAFE

The fail-safe function is adopted for the climate controlled seat control unit. Refer to [SE-19. "Fail-safe"](#).

#### THIRD ROW SEATBACK POWER RETURN SYSTEM

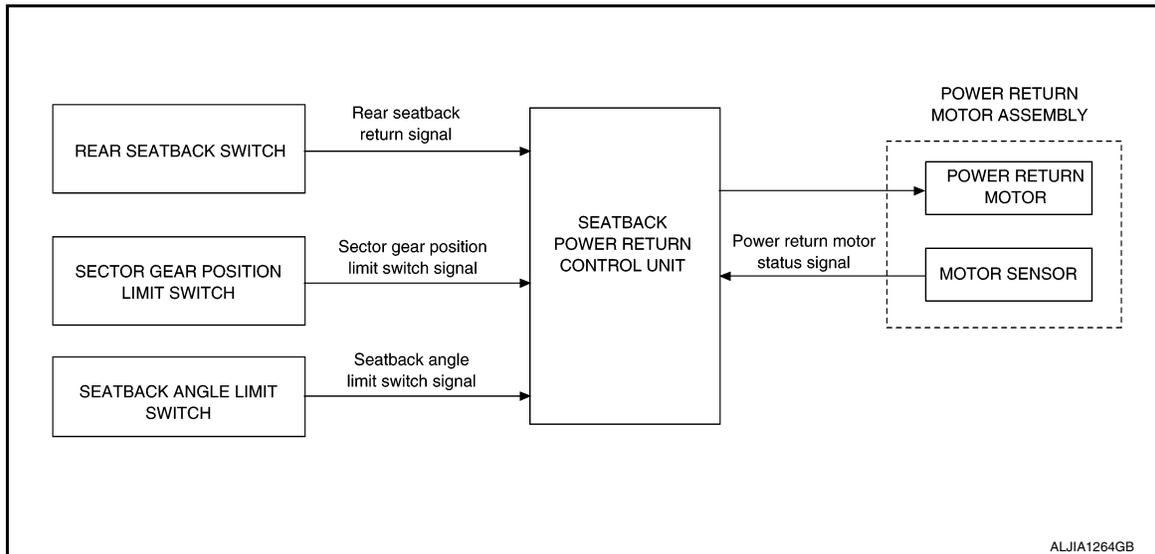
# SYSTEM

< SYSTEM DESCRIPTION >

## THIRD ROW SEATBACK POWER RETURN SYSTEM : System Description

INFOID:000000009760270

### SYSTEM DIAGRAM



### DESCRIPTION

Seatback power return system (electric return type) consists of seatback power return control unit, rear seatback switch, power return motor (motor sensor is integrated), sector gear position limit switch, seatback angle limit switch, and sector gear that transfers the movement of power return motor. The seatback LH and RH of third seat can be folded up or down independently according to the operation of rear seatback switches.

#### Operation Condition

Seatback power folding/return operation (electric type) starts when all of the following conditions are satisfied.

- Seatback angle limit switch is ON
- Battery voltage is normal

#### Seatback Power Return Operation

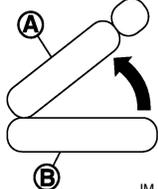
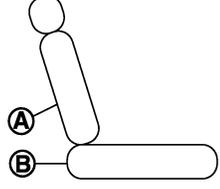
When third seat fold switch is operated, seatback power return control units checks whether or not the operation conditions are satisfied, and then controls the return operation of third seatback.

Status of each part is as described in the following table.

No.	Third seatback condition	Sector gear position	Sector gear position switch	Seatback angle limit switch
1	<p>Return complete position</p> <p>A: Third seatback B: Seat cushion</p>	Initial position	OFF	OFF
2	<p>Fold down position</p> <p>A: Third seatback B: Seat cushion</p>	Initial position	OFF	ON

# SYSTEM

## < SYSTEM DESCRIPTION >

No.	Third seatback condition	Sector gear position	Sector gear position switch	Seatback angle limit switch
3	Return operation  <small>JMJIA4701ZZ</small> A: Third seatback B: Seat cushion	Return incomplete position	OFF → ON	ON
4	Return complete position	Return complete position	ON	OFF
5	 <small>JMJIA4699ZZ</small> A: Third seatback B: Seat cushion	Initial position	OFF	OFF

- When third seatback is in folded up status (return complete position), sector gear is in the initialization position. Sector gear position limit switch and seatback angle limit switch are in the OFF position.
- When third seatback folds down, seatback angle limit switch turns ON, and seatback power return control unit judges that third seatback is in the folded down status (folding down position).
- When third seat fold switch is pressed in the direction of folding up, seatback power return control unit supplies power supply to power return motor.  
Power return motor, which is supplied power from seatback power return control unit, rotates to the folding up direction, and operates third seat return operation via sector gear.  
When sector gear starts to rotate in the folding up direction, sector gear position limit switch turns ON, and seatback power return control unit judges that sector gear is in a position other than the initial position.
- When third seat folds up to the return complete position, seatback angle limit switch turns OFF, and seatback power return control unit stops power return motor.  
When power return motor is stopped, after 0.2 seconds, seatback power return control unit rotates power return motor in the reverse direction so that sector gear returns to the initial position.
- When sector gear returns to the initial position according to the reverse rotation of power return motor, sector gear position limit switch turns OFF and seatback power return control unit stops the reverse rotation of power return motor, and the return operation is complete.

### NOTE:

- When rear seatback switch is released during return operation (sector gear position limit switch and seatback angle limit switch are in the ON position), seatback power return control unit detects rear seatback switch OFF signal, rotates power return motor in the reverse direction, and then returns third seatback to the folded down position.  
When rear seatback switch is pressed again during reverse operation, return operation restarts.
- When battery cable is disconnected from battery terminal while sector gear is in a position other than the initial position (sector gear position limit switch is in the ON position), and then when battery cable is connected again to battery terminal, sector gear returns to the initial position.

### Sector Gear Reverse Starting Condition

Sector gear rotates in the reverse direction when any of the following conditions is satisfied.

- Third seatback return operation is complete (seatback angle limit switch: OFF)
- Third seat fold switch is released before return operation is complete
- Trapping is detected
- Lock status of power return motor is detected
- Third seatback return operation is not complete within 60 seconds
- Battery voltage malfunction is detected during return operation
- Battery voltage returns to normal after battery voltage malfunction is detected during return operation
- Sector gear position limit switch does not turn from OFF to ON within the specified number of times of motor pulse from the start of return operation

The reverse rotation operation stops when any of the following conditions is satisfied.

# SYSTEM

## < SYSTEM DESCRIPTION >

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

### Consumption Electricity Control System

Seatback power return control unit controls electric power so that electric power consumption can be reduced according to the vehicle condition.

### Low Electric Power Consumption Mode

The system shifts to low electric power consumption mode when all the following conditions are satisfied.

- Third seat fold switch is OFF
- Power return motor is not in operation

The system releases low electric power consumption mode when rear seatback switch is pressed.

For low electric power consumption mode, the following functions are available.

- Power supply for sector gear position limit switch and seatback angle limit switch is turned OFF
- Power supply for motor sensor is turned OFF when power return motor is not in operation

## THIRD ROW SEATBACK POWER RETURN SYSTEM : Fail-safe

INFOID:000000009760381

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

Malfunction items	Fail-safe in operation
Seatback angle limit switch stays in the "ON" position	Seatback power return control unit judges that power return motor and gear are locked during operation because the return complete position of third seatback cannot be recognized. Seatback power return control unit operates power return motor in the reverse rotation.
Seatback angle limit switch stays in the "OFF" position	Seatback power return control unit recognizes that third seatback is in the return complete position. Third seatback does not operate when third seat fold switch is operated in the following up direction.
Sector gear position limit switch stays in the "ON" position	Seatback power return control unit recognized that sector gear is locked during operation and stops power motor operation. Operation of seatback power return system is inhibited when the above status is recognized continuously 4 times.
Sector gear position limit switch stays in the "OFF" position	When sector gear position limit switch does not turn ON after seatback power return operation is started, seatback power return control unit judges that sector gear is locked and operates power return motor in the reverse operation.
Motor sensor malfunction (High, Low, or Fixed)	When pulse does not indicate any change after motor starts to operate, seatback power return control unit judges that motor sensor is malfunctioning and returns sector gear to the initial position.

# CLIMATE CONTROLLED SEAT CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

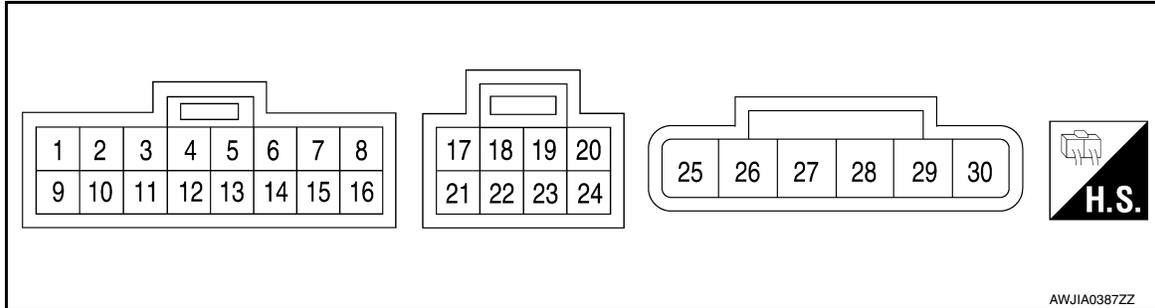
## ECU DIAGNOSIS INFORMATION

### CLIMATE CONTROLLED SEAT CONTROL UNIT

Reference Value

INFOID:000000009133799

#### TERMINAL LAYOUT



#### PHYSICAL VALUES

Terminal	Wire color	Item	Signal Input/ Output	Condition			Voltage (Approx.)
1	LG	HEAT switch signal	Input	Ignition switch ON or START	Climate controlled seat switch select	HI HEAT	2.6V – 3.5V
						MED HEAT	1.6V – 2.5V
						LO HEAT	0.5V – 1.5V
						OFF	0V
4	P	Blower motor speed control signal	Input	Ignition switch ON or START	Climate controlled seat switch select	HEAT or COOL	4.5V – 8.0V
						OFF	0V
6	G	Blower motor ground	—	—			0V
7	R	Blower motor power supply	Input	Ignition switch ON or START			Battery voltage
9	W	COOL switch signal	Input	Ignition switch ON or START	Climate controlled seat switch select	HI COOL	2.6V – 3.5V
						MED COOL	1.6V – 2.5V
						LO COOL	0.5V – 1.5V
						OFF	0V
13	Y	Seat cushion thermal electric device sensor ground	—	Ignition switch ON			0V
14	BG	Seat cushion thermal electric device sensor signal	Input	Blower motor operated			0.5V – 4.0V
				Ignition switch OFF			0V
15	V	Seatback thermal electric device sensor ground	—	Ignition switch ON			0V
16	L	Seatback thermal electric device sensor signal	Input	Blower motor operated			0.5V – 4.0V
				Ignition switch OFF			0V
19	Y	HEAT switch indicator signal	Input	Ignition switch ON or START	Climate controlled seat switch select	HEAT	Battery voltage
						OFF	0V
20	V	COOL switch indicator signal	Input	Ignition switch ON or START	Climate controlled seat switch select	COOL	Battery voltage
						OFF	0V
21	R	Ignition switch power supply	Output	Ignition switch ON			Battery voltage
24	G	Climate controlled seat switch power supply	Input	Ignition switch ON			Battery voltage

# CLIMATE CONTROLLED SEAT CONTROL UNIT

## < ECU DIAGNOSIS INFORMATION >

Terminal	Wire color	Item	Signal Input/ Output	Condition			Voltage (Approx.)
25	G	Seatback thermal electric device power supply (COOL)	Output	Ignition switch ON or START	Climate controlled seat switch select	COOL	Battery voltage
						HEAT	0V
						OFF	0V
26	LG	Seat cushion thermal electric device power supply (COOL)	Output	Ignition switch ON or START	Climate controlled seat switch select	COOL	Battery voltage
						HEAT	0V
						OFF	0V
27	L	Seat cushion thermal electric device power supply (HEAT)	Output	Ignition switch ON or START	Climate controlled seat switch select	HEAT	Battery voltage
						COOL	0V
						OFF	0V
28	W	Seatback thermal electric device power supply (HEAT)	Output	Ignition switch ON or START	Climate controlled seat switch select	HEAT	Battery voltage
						COOL	0V
						OFF	0V
29	R	Battery power supply	Input	Ignition switch ON			Battery voltage
30	B	Ground	—	—			0V

### Fail-safe

INFOID:000000009133800

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

Malfunction	Malfunctioning condition
The temperature difference between the seatback thermal electric device and seat cushion thermal electric device is 30°C (86°F) or more	<ul style="list-style-type: none"> <li>• When it detects for 4 seconds that the temperature difference between the seatback thermal electric device and seat cushion thermal electric device is 30°C (86°F) or more, stops the output to the thermal electric device, activates the climate controlled seat blower motor in the maximum position, and sends the external airflow for 30 seconds.</li> <li>• If the temperature difference is still 30°C (86°F) or more after 30 seconds pass, it stops all output and enters the system OFF condition.</li> <li>• When the temperature difference between seatback thermal electric device and seat cushion thermal electric device becomes 20°C (68°F) or less, the system recovers automatically.</li> <li>• If it detects that the temperature difference is 30°C (86°F) or more after the automatic system recovery, it immediately stops all output and enters the system OFF condition.</li> </ul> <p><b>NOTE:</b> When the switch operation is performed before entering the system OFF condition, the fail-safe mode is reset.</p>
The temperature of thermal electric device is 110°C (230°F) or more in the HEAT mode (any thermal electric device in the seatback or seat cushion)	<ul style="list-style-type: none"> <li>• When it detects for 4 seconds that the temperature of the thermal electric device is 110°C (230°F) or more, stops the output to the thermal electric device, activates the climate controlled seat blower motor in the maximum position, and sends the external airflow for 30 seconds.</li> <li>• If the temperature does not become 105°C (221°F) or less after 30 seconds pass, it stops all output and enters the system OFF condition.</li> <li>• When the temperature of the thermal electric device becomes 105°C (221°F) or less, the system recovers automatically.</li> <li>• If it detects that the temperature of the thermal electric device is 110°C (230°F) or more after the automatic system recovery, it immediately stops all output and enters the system OFF condition.</li> </ul>

# CLIMATE CONTROLLED SEAT CONTROL UNIT

## < ECU DIAGNOSIS INFORMATION >

Malfunction	Malfunctioning condition
The temperature of the thermal electric device is 45°C (113°F) or more in the COOL mode (any thermal electric device in the seatback or seat cushion)	<ul style="list-style-type: none"> <li>When it detects for 4 seconds that the temperature of the thermal electric device is between 45°C (113°F) and 70°C (158°F), it starts the temperature monitoring of the thermal electric device at 3 second intervals.</li> <li>While monitoring, if it detects that the temperature raises 2°C (36°F) or more 4 times continuously or reaches 70°C (158°F) or more, it stops all output and enters the system OFF condition.</li> <li>If it detects other results of monitoring, it continues activating in the COOL mode.</li> </ul>
Thermal electric device sensor system open circuit	<ul style="list-style-type: none"> <li>When it detects for 4 seconds that the thermal electric device sensor system is an open circuit.</li> </ul>
Climate controlled seat blower motor system open circuit	<ul style="list-style-type: none"> <li>When it detects for 2 seconds that climate controlled seat blower motor system is an open circuit while the climate controlled seat is being activated, it stops output to the thermal electric device.</li> <li>When it detects for 10 seconds that the climate controlled seat blower motor system is an open circuit while the climate controlled seat is being activated, it stops all output and enters the system OFF condition.</li> </ul> <p><b>NOTE:</b> 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.</p>
Switch input out of the specified range	<ul style="list-style-type: none"> <li>When it detects for 4 seconds that the rotary switch input is 30% or less of the vehicle battery voltage, it stops all output and enters the system OFF condition.</li> <li>When the switch input returns to a value within the specified range, the system recovers automatically.</li> </ul>
HEAT or COOL switch input out of the specified range	<ul style="list-style-type: none"> <li>When it detects for 4 seconds that rotary switch input is 6% or less of the vehicle battery voltage, it stops all output and enters the system OFF condition.</li> <li>When the switch input returns to a value within the specified range, the system recovers automatically.</li> </ul>
System voltage out of range	<ul style="list-style-type: none"> <li>System voltage* of the climate controlled seat control unit is out of the operation range (8.5 V – 16.5 V).</li> </ul>

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

**NOTE:**

When the system enters in the fail-safe mode again after performing resetting procedure, perform diagnosis.

# SEATBACK POWER RETURN CONTROL UNIT

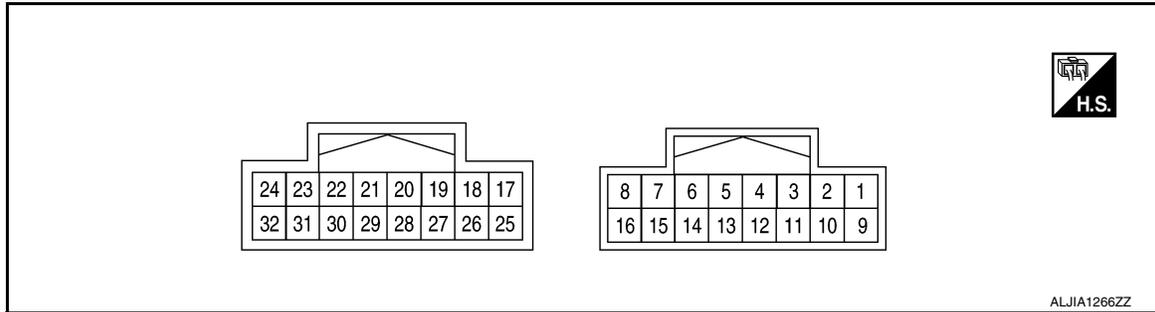
< ECU DIAGNOSIS INFORMATION >

## SEATBACK POWER RETURN CONTROL UNIT

Reference Value

INFOID:000000009760250

### TERMINAL LAYOUT

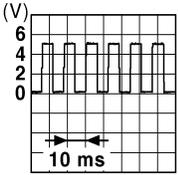


### PHYSICAL VALUES

Terminal No. (Wire color)		Description		Condition	Value
(+)	(-)	Signal name	Input/ Output		
1 (L/W)	Ground	Power supply [Motor sensor (RH)]	Output	When the power return motor is operated	Battery voltage
2 (R/W)	Ground	Power return motor (RH) backward signal	Output	When the power return motor (RH) performs reverse operation	Battery voltage
				Other than the above	0 – 0.5 V
3 (L)	Ground	Power supply [Motor sensor (LH)]	Output	When the power return motor is operated	Battery voltage
4 (R/B)	Ground	Power return motor (LH) backward signal	Output	When the power return motor (LH) performs reverse operation	Battery voltage
				Other than the above	0 – 0.5 V
6 (Y/R)	Ground	Power return motor (RH) forward signal	Output	When the power return motor (RH) performs return operation	Battery voltage
				Other than the above	0 – 0.5 V
7 (G/W)	Ground	Motor sensor (RH) input signal	Input	When the power return motor (RH) is operated	
				When the pinch occurs	The above pulse width should be expanded
8 (B/W)	Ground	Ground [Motor sensor (RH)]	—	—	—
9 (R/B)	Ground	Battery power supply	Input	—	Battery voltage
12 (B)	Ground	Ground	—	—	—
14 (Y)	Ground	Power return motor (LH) forward signal	Output	When the power return motor (LH) performs return operation	Battery voltage
				Other than the above	0 – 0.5 V

# SEATBACK POWER RETURN CONTROL UNIT

## < ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition	Value
(+)	(-)	Signal name	Input/ Output		
15 (G)	Ground	Motor sensor (LH) input signal	Input	When the power return motor (LH) is operated	
				When the pinch occurs	The above pulse width should be expanded
16 (B/Y)	Ground	Ground [Motor sensor (LH)]	—	—	—
18 (BR)	Ground	Ground [Limit switch (RH)]	—	—	—
19 (W/R)	Ground	Sector gear position limit switch (RH) input signal	Input	When the sector gear (RH) is in the initial position (other than low power consumption mode)	Battery voltage
				Other than the above	0 – 0.5 V
20 (W)	Ground	Sector gear position limit switch (LH) input signal	Input	When the sector gear (LH) is in the initial position (other than low power consumption mode)	Battery voltage
				Other than the above	0 – 0.5 V
21 (L/R)	Ground	Rear seatback switch (RH)	Input	Third seat fold switch (RH) in return position	0 – 0.5 V
				Other than the above	4.7 – 5.3 V
24 (R)	Ground	System power supply	Input	—	Battery voltage
25 (B)	Ground	Ground	—	—	—
26 (BR)	Ground	Ground [Limit switch (LH)]	—	—	—
27 (L/W)	Ground	Seatback angle limit switch (RH) input signal	Input	When the third seatback (RH) is in the return completion position (other than low power consumption mode)	Battery voltage
				Other than the above	0 – 0.5 V
28 (L)	Ground	Seatback angle limit switch (LH) input signal	Input	When the third seatback (LH) is in the return completion position (other than low power consumption mode)	Battery voltage
				Other than the above	0 – 0.5 V
29 (LG/Y)	Ground	Rear seatback switch (LH)	Input	Third seat fold switch (LH) in return position	0 – 0.5 V
				Other than the above	4.7 – 5.3 V

### Fail-safe

INFOID:000000009760251

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

# SEATBACK POWER RETURN CONTROL UNIT

## < ECU DIAGNOSIS INFORMATION >

Malfunction items	Fail-safe in operation
Seatback angle limit switch stays in the "ON" position	Seatback power return control unit judges that power return motor and gear are locked during operation because the return complete position of third seatback cannot be recognized. Seatback power return control unit operates power return motor in the reverse rotation.
Seatback angle limit switch stays in the "OFF" position	Seatback power return control unit recognizes that third seatback is in the return complete position. Third seatback does not operate when third seat fold switch is operated in the following up direction.
Sector gear position limit switch stays in the "ON" position	Seatback power return control unit recognized that sector gear is locked during operation and stops power motor operation. Operation of seatback power return system is inhibited when the above status is recognized continuously 4 times.
Sector gear position limit switch stays in the "OFF" position	When sector gear position limit switch does not turn ON after seatback power return operation is started, seatback power return control unit judges that sector gear is locked and operates power return motor in the reverse operation.
Motor sensor malfunction (High, Low, or Fixed)	When pulse does not indicate any change after motor starts to operate, seatback power return control unit judges that motor sensor is malfunctioning and returns sector gear to the initial position.

A  
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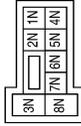


# POWER SEAT FOR DRIVER SIDE WITHOUT AUTOMATIC DRIVE POSITIONER

< WIRING DIAGRAM >

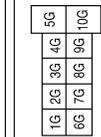
## POWER SEAT FOR DRIVE SIDE CONNECTORS - WITHOUT AUTOMATIC DRIVE POSITIONER

Connector No.	M3
Connector Name	FUSE BLOCK (J/B)
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
6N	W	-

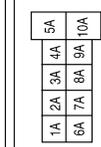
Connector No.	M31
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name								
11G	2G	13G	4G	15G	16G	17G	18G	19G	20G	21G
22G	23G	24G	25G	26G	27G	28G	29G	30G		
31G	32G	33G	34G	35G	36G	37G	38G	39G	40G	41G
42G	43G	44G	45G	46G	47G	48G	49G	50G		
51G	52G	53G	54G	55G	56G	57G	58G	59G	60G	61G
62G	63G	64G	65G	66G	67G	68G	69G	70G		
71G	72G	73G	74G	75G	76G	77G	78G	79G	80G	81G
82G	83G	84G	85G	86G	87G	88G	89G	90G		
91G	92G	93G	94G	95G						
96G	97G	98G	99G	100G						

Terminal No.	Color of Wire	Signal Name
10G	W	-

Connector No.	M40
Connector Name	WIRE TO WIRE
Connector Color	GRAY



Terminal No.	Color of Wire	Signal Name								
11A	12A	13A	14A	15A	16A	17A	18A	19A	20A	21A
22A	23A	24A	25A	26A	27A	28A	29A	30A		
31A	32A	33A	34A	35A	36A	37A	38A	39A	40A	41A
42A	43A	44A	45A	46A	47A	48A	49A	50A		
51A	52A	53A	54A	55A	56A	57A	58A	59A	60A	61A
62A	63A	64A	65A	66A	67A	68A	69A	70A		
71A	72A	73A	74A	75A	76A	77A	78A	79A	80A	81A
82A	83A	84A	85A	86A	87A	88A	89A	90A		
91A	92A	93A	94A	95A						
96A	97A	98A	99A	100A						

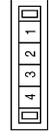
Terminal No.	Color of Wire	Signal Name
98A	Y	-(WITHOUT AUTOMATIC DRIVE POSITIONER)

Connector No.	M81
Connector Name	BCM (BODY CONTROL MODULE)
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
131	W	BAT BCM FUSE
134	B	GND 2
139	W	BAT POWER F/L
141	Y	P/W POWER SUPPLY BAT
143	B	GND 1

Connector No.	M181
Connector Name	JOINT CONNECTOR-M36
Connector Color	WHITE



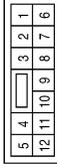
Terminal No.	Color of Wire	Signal Name
1	W	-
2	W	-

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

# POWER SEAT FOR DRIVER SIDE WITHOUT AUTOMATIC DRIVE POSITIONER

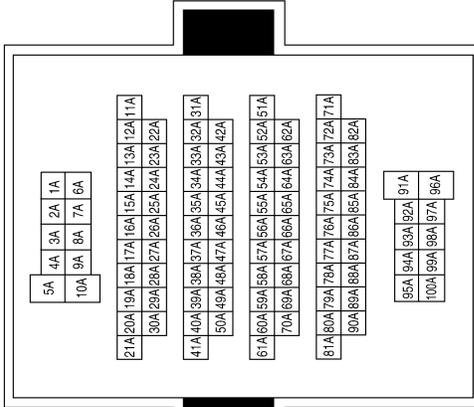
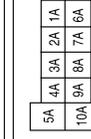
< WIRING DIAGRAM >

Connector No.	B74
Connector Name	WIRE TO WIRE
Connector Color	WHITE



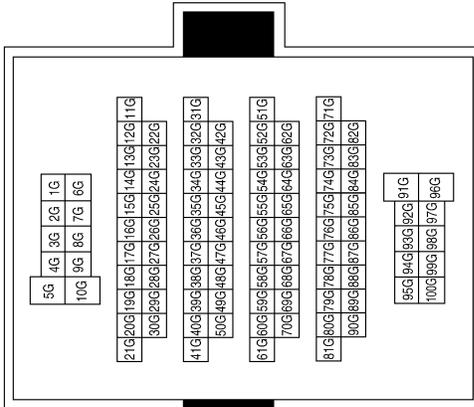
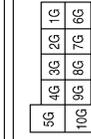
Terminal No.	Color of Wire	Signal Name
2	GR	— (WITHOUT CLIMATE CONTROL SEAT)
5	L	—

Connector No.	B69
Connector Name	WIRE TO WIRE
Connector Color	GRAY



Terminal No.	Color of Wire	Signal Name
98A	L	—

Connector No.	E152
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
10G	P	—

Terminal No.	Color of Wire	Signal Name
4	L	—
6	Y	—

Connector No.	B207
Connector Name	LIFTING MOTOR LH (REAR)
Connector Color	WHITE

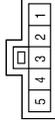


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# POWER SEAT FOR DRIVER SIDE WITHOUT AUTOMATIC DRIVE POSITIONER

< WIRING DIAGRAM >

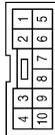
Connector No.	B211
Connector Name	SLIDING MOTOR LH
Connector Color	GRAY



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

Terminal No.	Color of Wire	Signal Name
3	B	-
4	-	-
5	G	-
6	Y	-
7	L	-
8	SB	-
9	P	-
10	BG	-

Connector No.	B208
Connector Name	POWER SEAT SWITCH LH
Connector Color	WHITE



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

Connector No.	B220
Connector Name	WIRE TO WIRE
Connector Color	WHITE



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

Connector No.	B218
Connector Name	LIFTING MOTOR LH (FRONT)
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
4	GR	-
6	SB	-

Connector No.	B217
Connector Name	RECLINING MOTOR LH
Connector Color	WHITE



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

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# POWER SEAT FOR PASSENGER SIDE

< WIRING DIAGRAM >

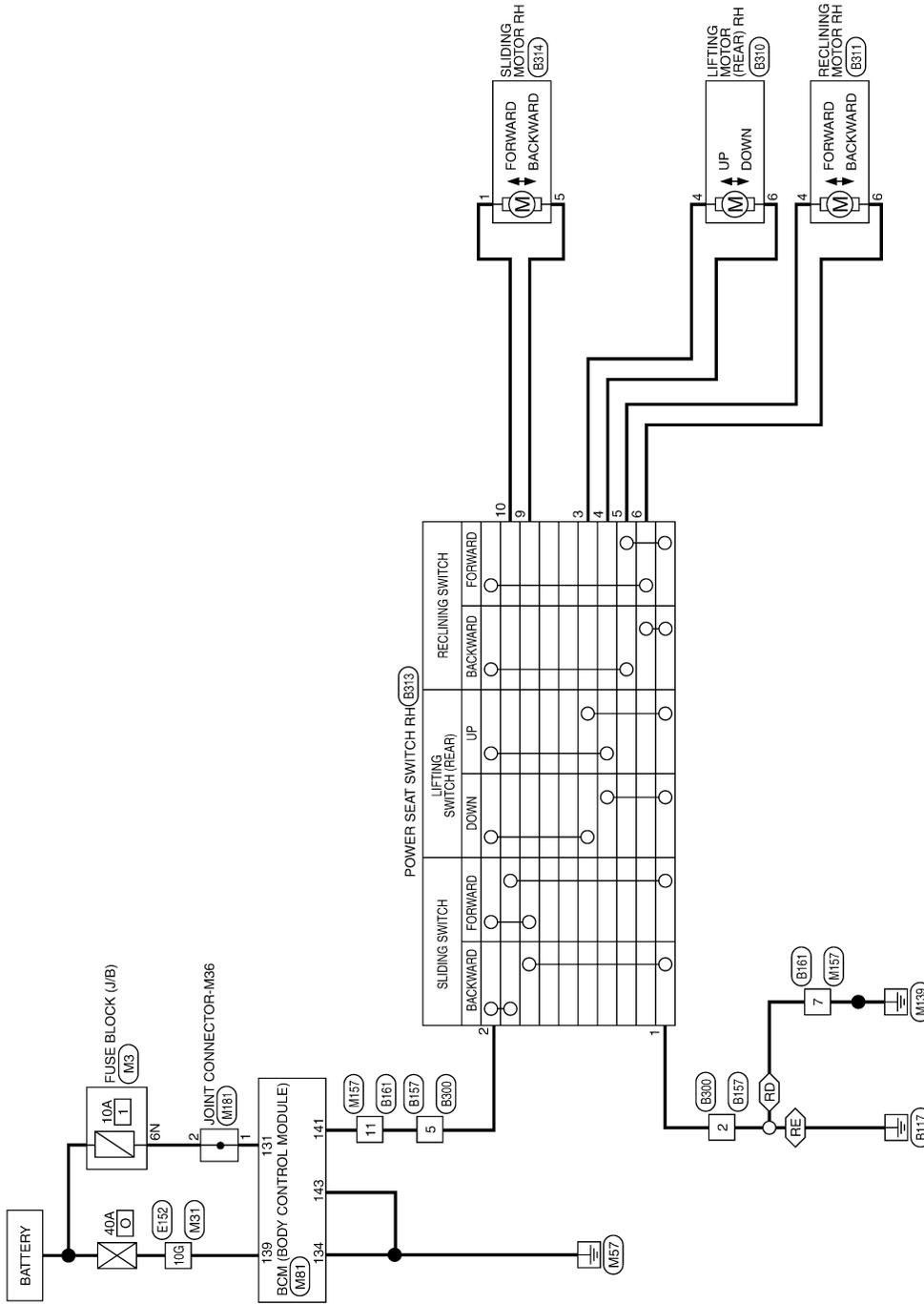
## POWER SEAT FOR PASSENGER SIDE

### Wiring Diagram

INFOID:000000009133802

◊RD◊ : WITH REAR ENTERTAINMENT SYSTEM  
 ◊RE◊ : WITHOUT REAR ENTERTAINMENT SYSTEM

### POWER SEAT FOR PASSENGER SIDE



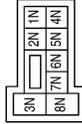
ABJWA0336GB

# POWER SEAT FOR PASSENGER SIDE

< WIRING DIAGRAM >

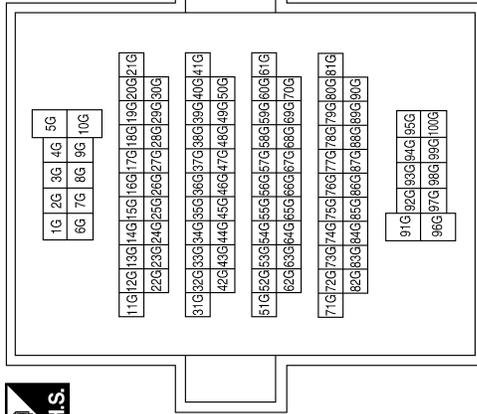
## POWER SEAT FOR PASSENGER SIDE CONNECTORS

Connector No.	M3
Connector Name	FUSE BLOCK (J/B)
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
6N	W	-

Connector No.	M31
Connector Name	WIRE TO WIRE
Connector Color	WHITE



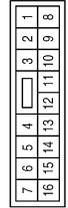
Terminal No.	Color of Wire	Signal Name
10G	W	-

Connector No.	M81
Connector Name	BCM (BODY CONTROL MODULE)
Connector Color	WHITE



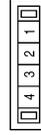
Terminal No.	Color of Wire	Signal Name
131	W	BAT BCM FUSE
134	B	GND 2
139	W	BAT POWER F/L
141	Y	P/W POWER SUPPLY BAT
143	B	GND 1

Connector No.	M157
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
7	GR	-
11	Y	-

Connector No.	M181
Connector Name	JOINT CONNECTOR-M36
Connector Color	WHITE



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

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

# POWER SEAT FOR PASSENGER SIDE

< WIRING DIAGRAM >

Connector No.	B157
Connector Name	WIRE TO WIRE
Connector Color	WHITE

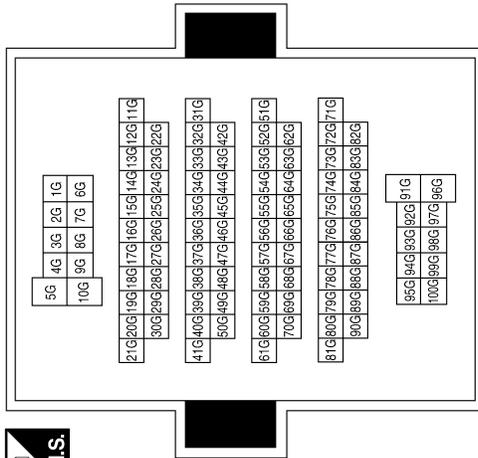


5	4	3	2	1
12	11	10	9	8
7	6			

Terminal No.	Color of Wire	Signal Name
2	B	-
5	LG	-

Terminal No.	Color of Wire	Signal Name
10G	P	-

Connector No.	E152
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Connector No.	B310
Connector Name	LIFTING MOTOR RH (REAR)
Connector Color	WHITE



3	2	1
6	5	4

Terminal No.	Color of Wire	Signal Name
1	-	-
2	-	-
3	-	-
4	R	-
5	-	-
6	V	-

Connector No.	B300
Connector Name	WIRE TO WIRE
Connector Color	WHITE



1	2	3	4	5
6	7	8	9	10
11	12			

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

Connector No.	B161
Connector Name	WIRE TO WIRE
Connector Color	WHITE



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

Terminal No.	Color of Wire	Signal Name
7	B	-
11	LG	-

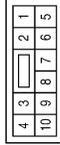
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# POWER SEAT FOR PASSENGER SIDE

< WIRING DIAGRAM >

Terminal No.	Color of Wire	Signal Name
5	BG	-
6	P	-
7	-	-
8	-	-
9	L	-
10	SB	-

Connector No.	B313
Connector Name	POWER SEAT SWITCH RH
Connector Color	WHITE



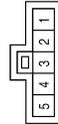
Terminal No.	Color of Wire	Signal Name
1	B	-
2	R	-
3	R	-
4	V	-

Connector No.	B311
Connector Name	RECLINING MOTOR RH
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
1	-	-
2	-	-
3	-	-
4	BG	-
5	-	-
6	P	-

Connector No.	B314
Connector Name	SLIDING MOTOR RH
Connector Color	WHITE



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

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# LUMBAR SUPPORT SYSTEM

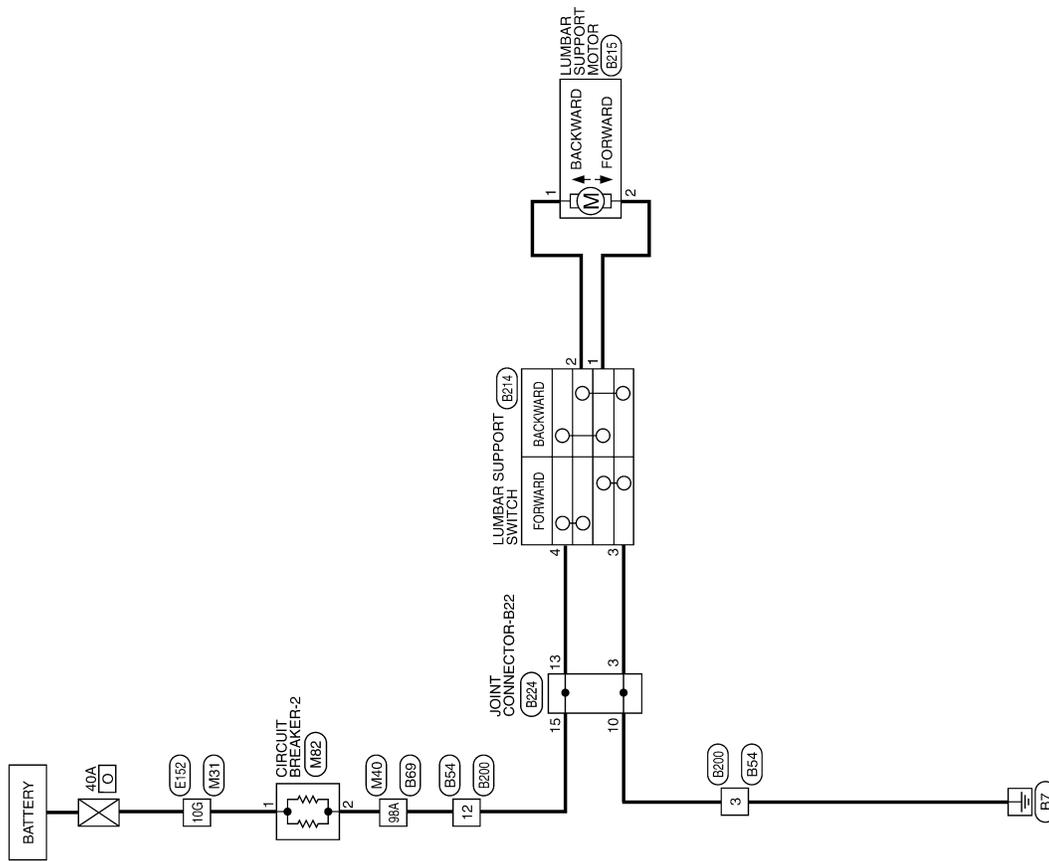
< WIRING DIAGRAM >

## LUMBAR SUPPORT SYSTEM

Wiring Diagram

INFOID:000000009133803

LUMBAR SUPPORT SYSTEM



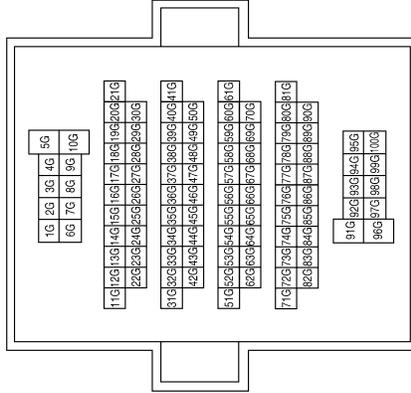
ABJWA0338GB

# LUMBAR SUPPORT SYSTEM

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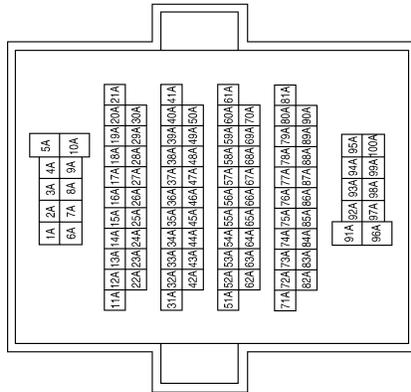
## LUMBAR SUPPORT SYSTEM CONNECTORS

Connector No.	M31
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
10G	W	-

Connector No.	M40
Connector Name	WIRE TO WIRE
Connector Color	GRAY



Terminal No.	Color of Wire	Signal Name
98A	L	- (WITH AUTOMATIC DRIVE POSITIONER)

Connector No.	M82
Connector Name	CIRCUIT BREAKER-2
Connector Color	WHITE



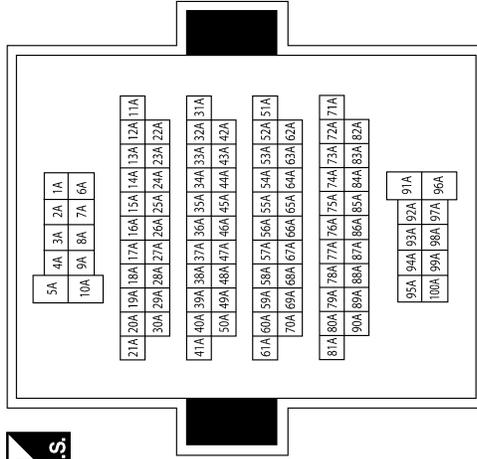
Terminal No.	Color of Wire	Signal Name
1	W	-
2	L	-

A  
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P

# LUMBAR SUPPORT SYSTEM

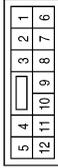
< WIRING DIAGRAM >

Connector No.	B69
Connector Name	WIRE TO WIRE
Connector Color	GRAY



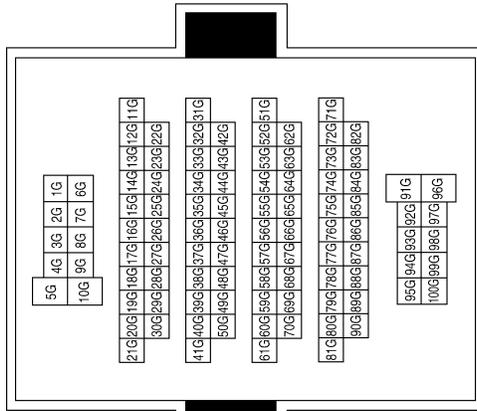
Terminal No.	Color of Wire	Signal Name
98A	L	-

Connector No.	B54
Connector Name	WIRE TO WIRE
Connector Color	BROWN



Terminal No.	Color of Wire	Signal Name
3	GR	-
12	L	-

Connector No.	E152
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
10G	P	-

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

Connector No.	B214
Connector Name	LUMBAR SUPPORT SWITCH
Connector Color	BROWN



Connector No.	B200
Connector Name	WIRE TO WIRE
Connector Color	BROWN



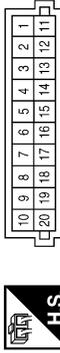
Terminal No.	Color of Wire	Signal Name
3	B	-
12	R	-

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# LUMBAR SUPPORT SYSTEM

< WIRING DIAGRAM >

Connector No.	B224
Connector Name	JOINT CONNECTOR-B22
Connector Color	PINK



Terminal No.	Color of Wire	Signal Name
3	B	-
10	B	-
13	R	-
15	R	-

Connector No.	B215
Connector Name	LUMBAR SUPPORT MOTOR
Connector Color	BLACK



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

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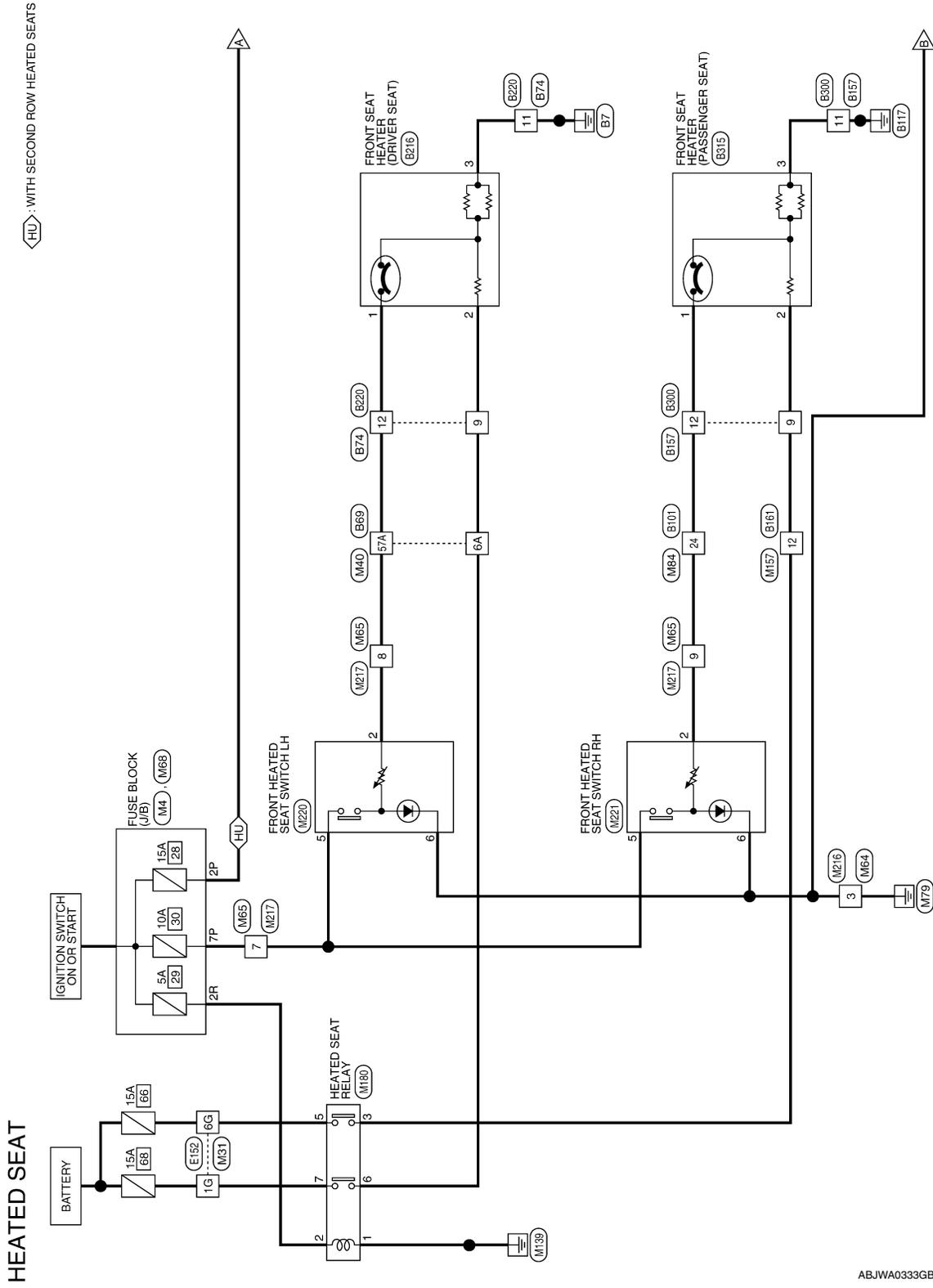
# HEATED SEAT SYSTEM

< WIRING DIAGRAM >

## HEATED SEAT SYSTEM

### Wiring Diagram

INFOID:000000009133804

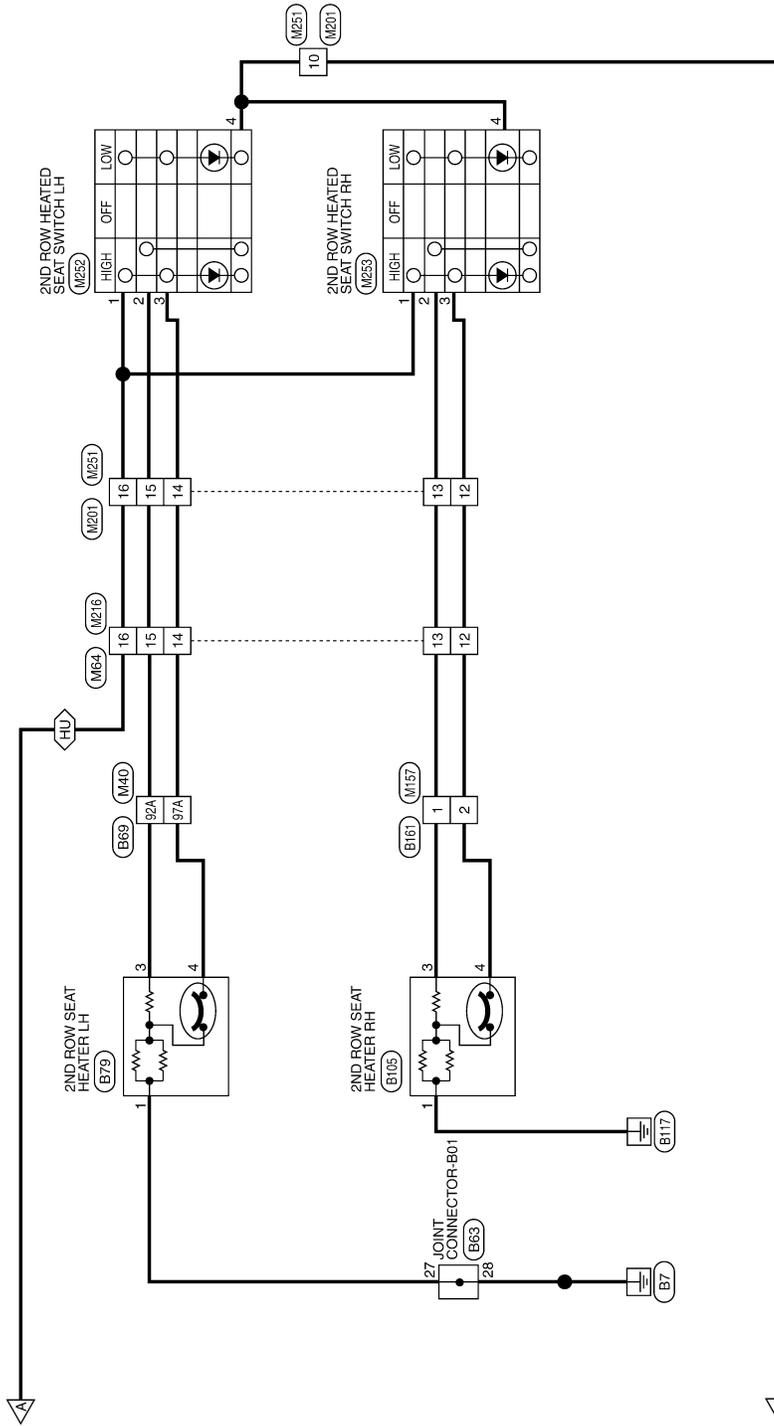


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# HEATED SEAT SYSTEM

< WIRING DIAGRAM >

⬠HU⬠: WITH SECOND ROW HEATED SEATS



ABJWA0334GB

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# HEATED SEAT SYSTEM

< WIRING DIAGRAM >

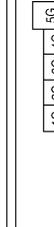
## HEATED SEAT CONNECTORS

Connector No.	M4
Connector Name	FUSE BLOCK (J/B)
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
2P	LG	-
7P	LG	-

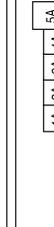
Connector No.	M31
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name								
11G	2G	13G	14G	15G	16G	17G	18G	19G	20G	21G
22G	23G	24G	25G	26G	27G	28G	29G	30G		
31G	32G	33G	34G	35G	36G	37G	38G	39G	40G	41G
42G	43G	44G	45G	46G	47G	48G	49G	50G		
51G	52G	53G	54G	55G	56G	57G	58G	59G	60G	61G
62G	63G	64G	65G	66G	67G	68G	69G	70G		
71G	72G	73G	74G	75G	76G	77G	78G	79G	80G	81G
82G	83G	84G	85G	86G	87G	88G	89G	90G		
91G	92G	93G	94G	95G						
96G	97G	98G	99G	100G						

Terminal No.	Color of Wire	Signal Name
1G	SB	-(WITHOUT CLIMATE CONTROLLED SEAT)
6G	SB	-(WITHOUT CLIMATE CONTROLLED SEAT)

Connector No.	M40
Connector Name	WIRE TO WIRE
Connector Color	GRAY



Terminal No.	Color of Wire	Signal Name								
11A	12A	13A	14A	15A	16A	17A	18A	19A	20A	21A
22A	23A	24A	25A	26A	27A	28A	29A	30A		
31A	32A	33A	34A	35A	36A	37A	38A	39A	40A	41A
42A	43A	44A	45A	46A	47A	48A	49A	50A		
51A	52A	53A	54A	55A	56A	57A	58A	59A	60A	61A
62A	63A	64A	65A	66A	67A	68A	69A	70A		
71A	72A	73A	74A	75A	76A	77A	78A	79A	80A	81A
82A	83A	84A	85A	86A	87A	88A	89A	90A		
91A	92A	93A	94A	95A						
96A	97A	98A	99A	100A						

Terminal No.	Color of Wire	Signal Name
6A	L	-(WITHOUT CLIMATE CONTROLLED SEAT)
57A	L	-(WITHOUT CLIMATE CONTROLLED SEAT)
92A	L	-
97A	SB	-

Connector No.	M64
Connector Name	WIRE TO WIRE
Connector Color	WHITE



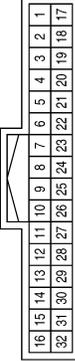
Terminal No.	Color of Wire	Signal Name
3	B	-
12	BR	-
13	Y	-
14	SB	-
15	L	-
16	LG	-

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# HEATED SEAT SYSTEM

< WIRING DIAGRAM >

Connector No.	M84
Connector Name	WIRE TO WIRE
Connector Color	WHITE

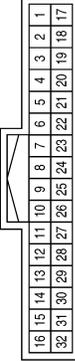
Terminal No.	Color of Wire	Signal Name
24	V	-(WITHOUT CLIMATE CONTROLLED SEAT)

Connector No.	M68
Connector Name	FUSE BLOCK (J/B)
Connector Color	BROWN



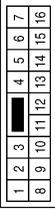

Terminal No.	Color of Wire	Signal Name
2R	LG	-

Connector No.	M65
Connector Name	WIRE TO WIRE
Connector Color	WHITE

Terminal No.	Color of Wire	Signal Name
7	LG	-(WITHOUT CLIMATE CONTROLLED SEAT)
8	L	-(WITHOUT CLIMATE CONTROLLED SEAT)
9	V	-

Connector No.	M201
Connector Name	WIRE TO WIRE
Connector Color	WHITE

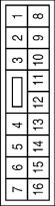
Terminal No.	Color of Wire	Signal Name
10	B	-
12	BR	-
13	LG	-
14	L	-
15	LG	-
16	Y	-

Connector No.	M180
Connector Name	HEATED SEAT RELAY
Connector Color	BROWN




Terminal No.	Color of Wire	Signal Name
1	GR	-
2	LG	-
3	LG	-
5	SB	-
6	L	-
7	SB	-

Connector No.	M157
Connector Name	WIRE TO WIRE
Connector Color	WHITE

Terminal No.	Color of Wire	Signal Name
1	Y	-
2	BR	-
12	LG	-(WITHOUT CLIMATE CONTROLLED SEAT)

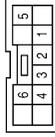
ABJIA0783GB

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# HEATED SEAT SYSTEM

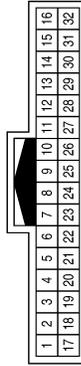
< WIRING DIAGRAM >

Connector No.	M220
Connector Name	FRONT HEATED SEAT SWITCH LH
Connector Color	WHITE



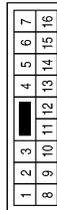
Terminal No.	Color of Wire	Signal Name
2	L	-
5	W	-
6	B	-

Connector No.	M217
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
7	W	- (WITHOUT CLIMATE CONTROLLED SEAT)
8	L	-
9	LG	- (WITHOUT CLIMATE CONTROLLED SEAT)

Connector No.	M216
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
3	B	-
12	BR	-
13	LG	-
14	L	-
15	LG	-
16	Y	-

Connector No.	M252
Connector Name	2ND ROW HEATED SEAT SWITCH LH
Connector Color	WHITE



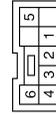
Terminal No.	Color of Wire	Signal Name
1	Y	-
2	LG	-
3	SB	-
4	B	-

Connector No.	M251
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
10	B	-
12	P	-
13	BR	-
14	SB	-
15	LG	-
16	Y	-

Connector No.	M251
Connector Name	FRONT HEATED SEAT SWITCH RH
Connector Color	BROWN



Terminal No.	Color of Wire	Signal Name
2	LG	-
5	W	-
6	B	-

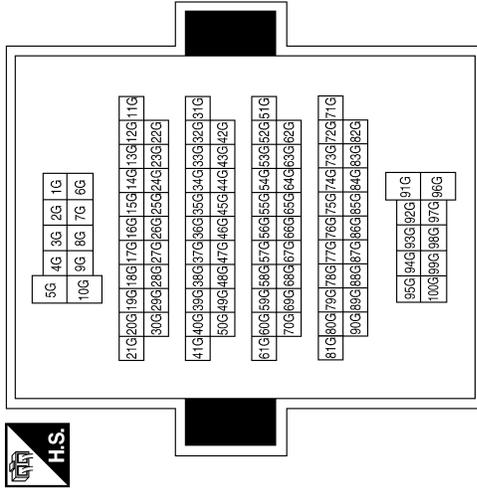
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# HEATED SEAT SYSTEM

< WIRING DIAGRAM >

Terminal No.	Color of Wire	Signal Name
1G	G	-
6G	W	-

Connector No.	E152
Connector Name	WIRE TO WIRE
Connector Color	WHITE



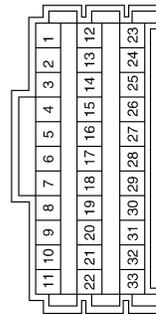
Connector No.	M253
Connector Name	2ND ROW HEATED SEAT SWITCH RH
Connector Color	BROWN



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

Terminal No.	Color of Wire	Signal Name
27	B	-
28	B	-

Connector No.	B63
Connector Name	JOINT CONNECTOR-B01
Connector Color	WHITE



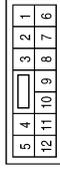
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# HEATED SEAT SYSTEM

< WIRING DIAGRAM >

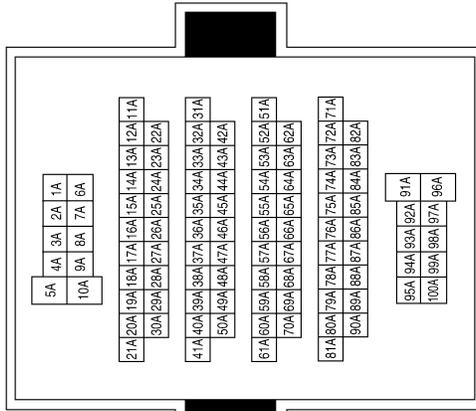
Connector No.	B74
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
9	LG	-
11	B	-
12	SB	-

Terminal No.	Color of Wire	Signal Name
6A	LG	-(WITHOUT CLIMATE CONTROLLED SEAT)
57A	SB	-(WITHOUT CLIMATE CONTROLLED SEAT)
92A	LG	-
97A	BR	-

Connector No.	B69
Connector Name	WIRE TO WIRE
Connector Color	GRAY

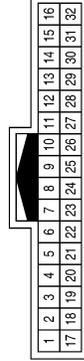


Connector No.	B105
Connector Name	2ND ROW SEAT HEATER RH
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
1	GR	-
2	-	-
3	LG	-
4	Y	-
5	-	-
6	-	-

Connector No.	B101
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
24	V	-(WITHOUT CLIMATE CONTROLLED SEAT)

Connector No.	B79
Connector Name	2ND ROW SEAT HEATER LH
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
1	B	-
2	-	-
3	LG	-
4	BR	-
5	-	-
6	-	-

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# HEATED SEAT SYSTEM

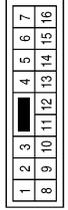
< WIRING DIAGRAM >

Connector No.	B216
Connector Name	FRONT SEAT HEATER (DRIVER SEAT)
Connector Color	WHITE



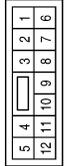
Terminal No.	Color of Wire	Signal Name
1	LG	-
2	R	-
3	B	-

Connector No.	B161
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
1	LG	-
2	Y	-
12	V	-(WITHOUT CLIMATE CONTROLLED SEAT)

Connector No.	B157
Connector Name	WIRE TO WIRE
Connector Color	WHITE



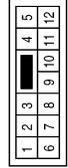
Terminal No.	Color of Wire	Signal Name
1	GR	-(WITHOUT CLIMATE CONTROLLED SEAT)
2	LG	-(WITHOUT CLIMATE CONTROLLED SEAT)
3	Y	-(WITHOUT CLIMATE CONTROLLED SEAT)

Connector No.	B315
Connector Name	FRONT SEAT HEATER (PASSENGER SEAT)
Connector Color	WHITE



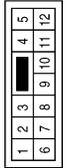
Terminal No.	Color of Wire	Signal Name
1	LG	-
2	R	-
3	B	-

Connector No.	B300
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
9	R	-(WITHOUT CLIMATE CONTROLLED SEAT)
11	B	-(WITHOUT CLIMATE CONTROLLED SEAT)
12	LG	-(WITHOUT CLIMATE CONTROLLED SEAT)

Connector No.	B220
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
9	R	-(WITHOUT CLIMATE CONTROLLED SEAT)
11	B	-(WITHOUT CLIMATE CONTROLLED SEAT)
12	LG	-(WITHOUT CLIMATE CONTROLLED SEAT)

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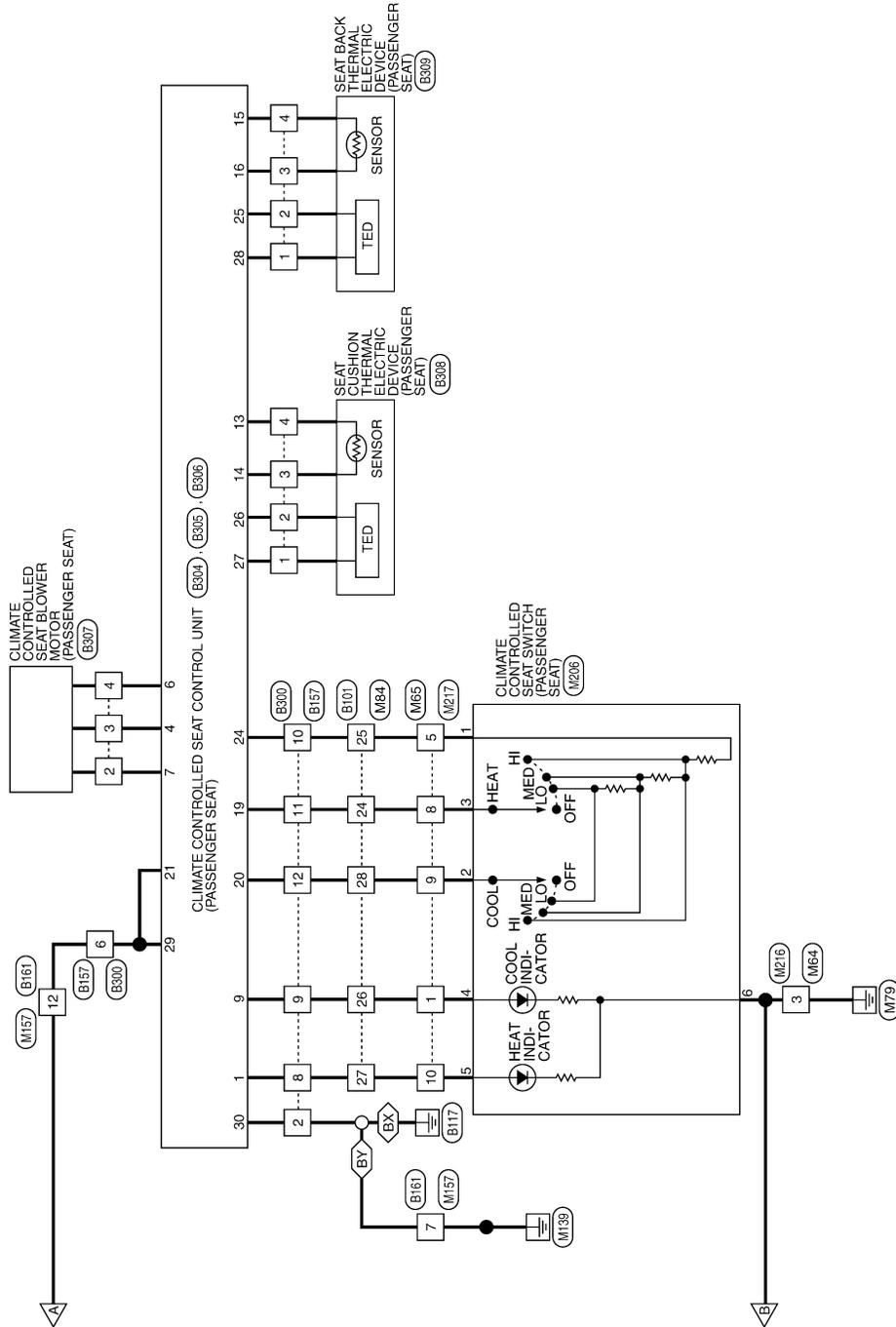
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# CLIMATE CONTROLLED SEAT SYSTEM

< WIRING DIAGRAM >

BX : WITH BOSE AUDIO SYSTEM - WITHOUT REAR ENTERTAINMENT SYSTEM  
BY : WITH BOSE AUDIO SYSTEM - WITH REAR ENTERTAINMENT SYSTEM



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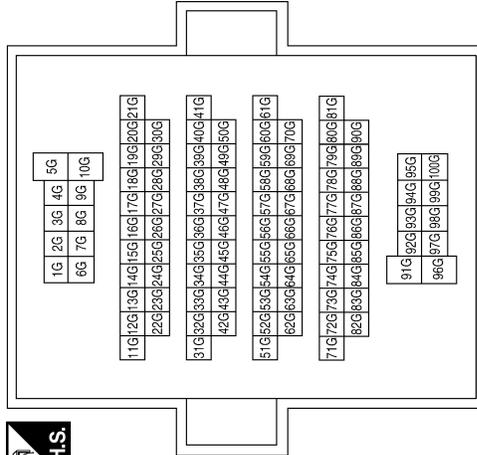
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# CLIMATE CONTROLLED SEAT SYSTEM

< WIRING DIAGRAM >

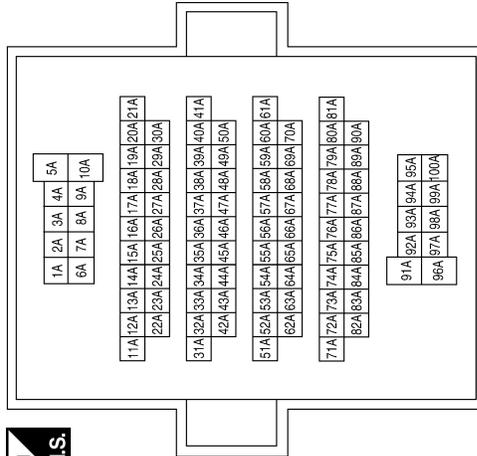
## CLIMATE CONTROLLED SEAT CONNECTORS

Connector No.	M31
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
1G	P	-(WITH CLIMATE CONTROLLED SEAT)
6G	R	-(WITH CLIMATE CONTROLLED SEAT)

Connector No.	M40
Connector Name	WIRE TO WIRE
Connector Color	GRAY



Terminal No.	Color of Wire	Signal Name
6A	G	-(WITH CLIMATE CONTROLLED SEAT)
54A	W	-
55A	BG	-
56A	BR	-
57A	P	-(WITH CLIMATE CONTROLLED SEAT)
58A	G	-

Connector No.	M58
Connector Name	CLIMATE CONTROLLED SEAT RELAY
Connector Color	BROWN



Terminal No.	Color of Wire	Signal Name
1	GR	-
2	LG	-
3	W	-
5	R	-
6	G	-
7	P	-

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# CLIMATE CONTROLLED SEAT SYSTEM

< WIRING DIAGRAM >

Terminal No.	Color of Wire	Signal Name
6	P	-
7	W	-(WITH CLIMATE CONTROLLED SEAT)
8	R	-(WITH CLIMATE CONTROLLED SEAT)
9	V	-
10	BG	-

Connector No.	M65
Connector Name	WIRE TO WIRE
Connector Color	WHITE



16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17

Terminal No.	Color of Wire	Signal Name
1	W	-
2	G	-
3	BR	-
4	BG	-
5	W	-

Connector No.	M64
Connector Name	WIRE TO WIRE
Connector Color	WHITE



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

Terminal No.	Color of Wire	Signal Name
3	B	-

Connector No.	M84
Connector Name	WIRE TO WIRE
Connector Color	WHITE



16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17

Connector No.	M74
Connector Name	WIRE TO WIRE
Connector Color	BROWN



5	4	3	2	1		
12	11	10	9	8	7	6

Terminal No.	Color of Wire	Signal Name
24	R	-(WITH CLIMATE CONTROLLED SEAT)
25	W	-
26	W	-
27	BG	-
28	V	-

Terminal No.	Color of Wire	Signal Name
6	B	-

Connector No.	M68
Connector Name	FUSE BLOCK (J/B)
Connector Color	BROWN



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

Terminal No.	Color of Wire	Signal Name
2R	LG	-

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# CLIMATE CONTROLLED SEAT SYSTEM

< WIRING DIAGRAM >

Connector No.	M157
Connector Name	WIRE TO WIRE
Connector Color	WHITE



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

Terminal No.	Color of Wire	Signal Name
7	GR	-
12	W	-(WITH CLIMATE CONTROLLED SEAT)

Connector No.	M216
Connector Name	WIRE TO WIRE
Connector Color	WHITE



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

Terminal No.	Color of Wire	Signal Name
3	B	-

Connector No.	M203
Connector Name	CLIMATE CONTROLLED SEAT SWITCH (DRIVER SEAT)
Connector Color	WHITE



1	2	3
4	5	6
7	8	

Terminal No.	Color of Wire	Signal Name
1	BG	-
2	V	-
3	P	-
4	BR	-
5	Y	-
6	B	-

Connector No.	M217
Connector Name	WIRE TO WIRE
Connector Color	WHITE



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32

Terminal No.	Color of Wire	Signal Name
1	BG	-
2	BG	-
3	Y	-
4	BR	-
5	SB	-
6	P	-
7	V	-(WITH CLIMATE CONTROLLED SEAT)
8	L	-
9	G	-(WITH CLIMATE CONTROLLED SEAT)
10	V	-

Connector No.	M206
Connector Name	CLIMATE CONTROLLED SEAT SWITCH (PASSENGER SEAT)
Connector Color	BROWN



1	2	3
4	5	6
7	8	

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

# CLIMATE CONTROLLED SEAT SYSTEM

< WIRING DIAGRAM >

Connector No.	B42
Connector Name	WIRE TO WIRE
Connector Color	BROWN

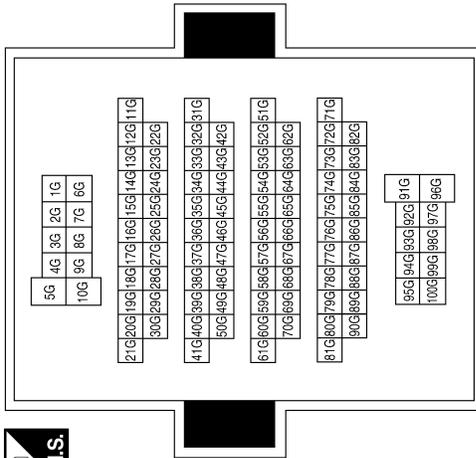
1	2	3	4	5
6	7	8	9	10
11	12			



Terminal No.	Color of Wire	Signal Name
6	B	-

Terminal No.	Color of Wire	Signal Name
1G	G	-
6G	W	-

Connector No.	E152
Connector Name	WIRE TO WIRE
Connector Color	WHITE

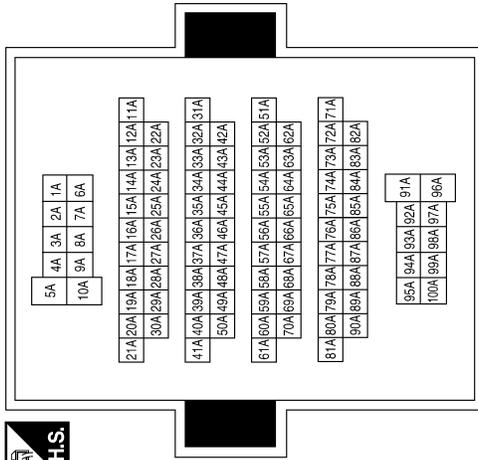


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# CLIMATE CONTROLLED SEAT SYSTEM

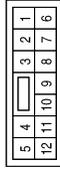
< WIRING DIAGRAM >

Connector No.	B69
Connector Name	WIRE TO WIRE
Connector Color	GRAY



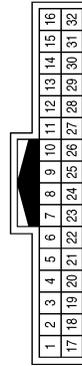
Terminal No.	Color of Wire	Signal Name
6A	R	-(WITH CLIMATE CONTROLLED SEAT)
54A	SB	-
55A	LG	-
56A	Y	-
57A	V	-(WITH CLIMATE CONTROLLED SEAT)
58A	BR	-

Connector No.	B74
Connector Name	WIRE TO WIRE
Connector Color	WHITE



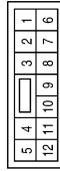
Terminal No.	Color of Wire	Signal Name
2	B	-(WITH CLIMATE CONTROLLED SEAT)
6	R	-
8	Y	-
9	LG	-
10	BR	-
11	V	-(WITH CLIMATE CONTROLLED SEAT)
12	SB	-

Connector No.	B101
Connector Name	WIRE TO WIRE
Connector Color	WHITE



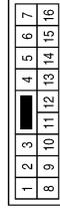
Terminal No.	Color of Wire	Signal Name
24	BR	-(WITH CLIMATE CONTROLLED SEAT)
25	SB	-
26	LG	-
27	Y	-
28	Y	-

Connector No.	B157
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
2	B	-
6	W	-
8	Y	-
9	LG	-(WITH CLIMATE CONTROLLED SEAT)
10	SB	-
11	BR	-(WITH CLIMATE CONTROLLED SEAT)
12	Y	-(WITH CLIMATE CONTROLLED SEAT)

Connector No.	B161
Connector Name	WIRE TO WIRE
Connector Color	WHITE

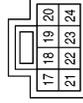


Terminal No.	Color of Wire	Signal Name
7	B	-
12	W	-(WITH CLIMATE CONTROLLED SEAT)

# CLIMATE CONTROLLED SEAT SYSTEM

< WIRING DIAGRAM >

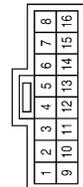
Connector No.	B204
Connector Name	CLIMATE CONTROLLED SEAT CONTROL UNIT (DRIVER SEAT)
Connector Color	BLACK



Terminal No.	Color of Wire	Signal Name
17	-	-
18	-	-
19	Y	HEAT SWITCH INPUT
20	V	COOL SWITCH INPUT
21	R	RUN
22	-	-
23	-	-
24	G	HEAT/COOL SW RESISTOR PWR

Terminal No.	Color of Wire	Signal Name
10	-	-
11	-	-
12	-	-
13	Y	CUSHION SENSOR GND
14	BG	CUSHION SENSOR SIGNAL
15	V	BACK SENSOR GND
16	L	BACK SENSOR SIGNAL

Connector No.	B203
Connector Name	CLIMATE CONTROLLED SEAT CONTROL UNIT (DRIVER SEAT)
Connector Color	BLACK



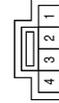
Terminal No.	Color of Wire	Signal Name
1	LG	HEAT ON INDICATOR
2	-	-
3	-	-
4	P	BLOWER MOTOR SPEED CONTROL
5	-	-
6	G	BLOWER GND
7	R	BLOWER POWER
8	-	-
9	W	COOL ON INDICATOR

Connector No.	B212
Connector Name	SEAT BACK THERMAL ELECTRIC DEVICE (DRIVER SEAT)
Connector Color	WHITE



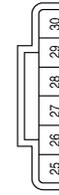
Terminal No.	Color of Wire	Signal Name
1	W	TED + HEAT (-COOL)
2	G	TED - HEAT (+COOL)
3	L	SENSOR SIGNAL
4	V	SENSOR RETURN

Connector No.	B206
Connector Name	SEAT CUSHION THERMAL ELECTRIC DEVICE (DRIVER SEAT)
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
1	L	TED + HEAT (-COOL)
2	LG	TED - HEAT (+COOL)
3	BG	SENSOR SIGNAL
4	Y	SENSOR RETURN

Connector No.	B205
Connector Name	CLIMATE CONTROLLED SEAT CONTROL UNIT (DRIVER SEAT)
Connector Color	BLACK



Terminal No.	Color of Wire	Signal Name
25	G	BACK TED +COOL /-HEAT
26	LG	CUSHION TED +COOL /-HEAT
27	L	CUSHION TED -COOL /+ HEAT
28	W	BACK TED -COOL /+HEAT
29	R	BAT (PTC)
30	B	MAIN GND

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# CLIMATE CONTROLLED SEAT SYSTEM

< WIRING DIAGRAM >

Connector No.	B300
Connector Name	WIRE TO WIRE
Connector Color	WHITE



1	2	3	4	5
6	7	8	9	10
11	12			

Terminal No.	Color of Wire	Signal Name
2	B	-
6	R	-
8	LG	-
9	W	-(WITH CLIMATE CONTROLLED SEAT)
10	G	-
11	Y	-(WITH CLIMATE CONTROLLED SEAT)
12	V	-(WITH CLIMATE CONTROLLED SEAT)

Connector No.	B220
Connector Name	WIRE TO WIRE
Connector Color	WHITE



1	2	3	4	5
6	7	8	9	10
11	12			

Terminal No.	Color of Wire	Signal Name
2	B	-
6	R	-
8	LG	-
9	W	-(WITH CLIMATE CONTROLLED SEAT)
10	G	-
11	Y	-(WITH CLIMATE CONTROLLED SEAT)
12	V	-(WITH CLIMATE CONTROLLED SEAT)

Connector No.	B213
Connector Name	CLIMATE CONTROLLED SEAT BLOWER MOTOR (DRIVER SEAT)
Connector Color	WHITE



5	4	3	2	1
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Terminal No.	Color of Wire	Signal Name
1	-	-
2	R	POWER
3	P	RPM CONTROL PWM
4	G	GROUND
5	-	-

Connector No.	B305
Connector Name	CLIMATE CONTROLLED SEAT CONTROL UNIT (PASSENGER SEAT)
Connector Color	BLACK



17	18	19	20
21	22	23	24

Terminal No.	Color of Wire	Signal Name
17	-	-
18	-	-
19	Y	HEAT SWITCH INPUT
20	V	COOL SWITCH INPUT
21	R	IGN RUN
22	-	-
23	-	-
24	G	HEAT/COOL SW RESISTOR PWR

Connector No.	B304
Connector Name	CLIMATE CONTROLLED SEAT CONTROL UNIT (PASSENGER SEAT)
Connector Color	BLACK



25	26	27	28	29	30
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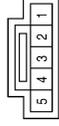
Terminal No.	Color of Wire	Signal Name
25	G	BACK TED + COOL / - HEAT
26	LG	CUSHION TED + COOL / - HEAT
27	L	CUSHION TED - COOL / + HEAT
28	W	BACK TED - COOL / + HEAT
29	R	BAT (PTC)
30	B	MAIN GND

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# CLIMATE CONTROLLED SEAT SYSTEM

< WIRING DIAGRAM >

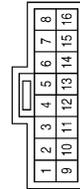
Connector No.	B307
Connector Name	CLIMATE CONTROLLED SEAT BLOWER MOTOR (PASSENGER SEAT)
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
1	-	-
2	R	POWER
3	P	RPM CONTROL PWM
4	G	GROUND
5	-	-

Terminal No.	Color of Wire	Signal Name
10	-	-
11	-	-
12	-	-
13	Y	CUSHION SENSOR GND
14	BG	CUSHION SENSOR SIGNAL
15	V	BACK SENSOR GND
16	L	BACK SENSOR SIGNAL

Connector No.	B306
Connector Name	CLIMATE CONTROLLED SEAT CONTROL UNIT (PASSENGER SEAT)
Connector Color	BLACK



Terminal No.	Color of Wire	Signal Name
1	LG	HEAT ON INDICATOR
2	-	-
3	-	-
4	P	BLOWER MOTOR SPEED CONTROL
5	-	-
6	G	BLOWER GND
7	R	BLOWER POWER
8	-	-
9	W	COOL ON INDICATOR

Connector No.	B309
Connector Name	SEAT BACK THERMAL ELECTRIC DEVICE (PASSENGER SEAT)
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
1	W	TED + HEAT (-COOL)
2	G	TED - HEAT (+COOL)
3	L	SENSOR SIGNAL
4	V	SENSOR RETURN

Connector No.	B308
Connector Name	SEAT CUSHION THERMAL ELECTRIC DEVICE (PASSENGER SEAT)
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
1	L	TED + HEAT (-COOL)
2	LG	TED - HEAT (+COOL)
3	BG	SENSOR SIGNAL
4	Y	SENSOR RETURN

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# THIRD ROW SEATBACK POWER RETURN SYSTEM

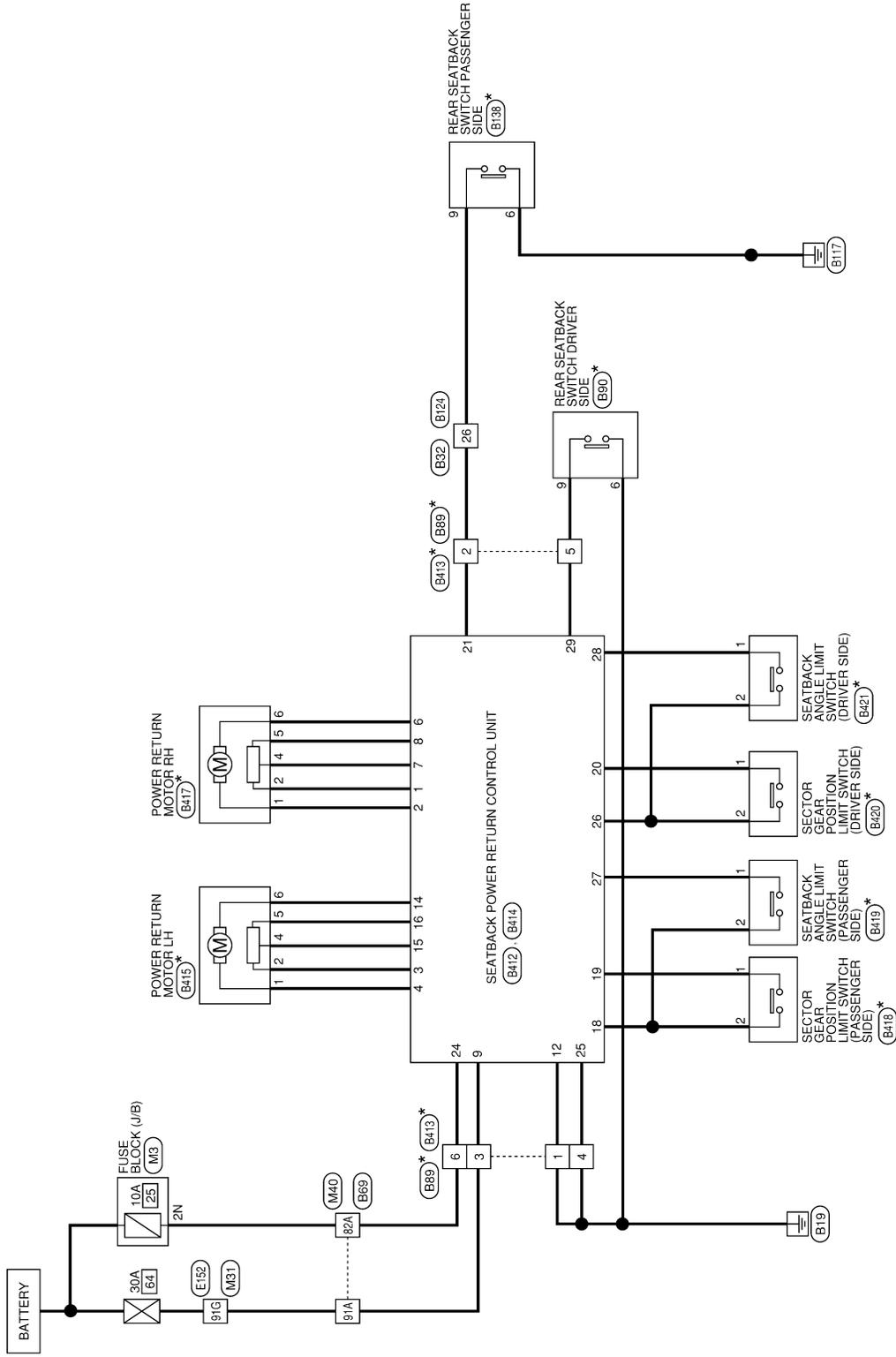
< WIRING DIAGRAM >

## THIRD ROW SEATBACK POWER RETURN SYSTEM

Wiring Diagram

INFOID:000000009724956

### THIRD ROW SEATBACK POWER RETURN SYSTEM



\* : THIS CONNECTOR IS NOT SHOWN IN "HARNES LAYOUT" OF PG SECTION.

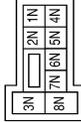
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# THIRD ROW SEATBACK POWER RETURN SYSTEM

< WIRING DIAGRAM >

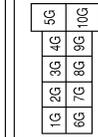
## THIRD ROW SEATBACK POWER RETURN SYSTEM CONNECTORS

Connector No.	M3
Connector Name	FUSE BLOCK (J/B)
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
2N	BG	-

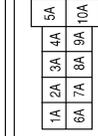
Connector No.	M31
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name								
11G	2G	13G	4G	15G	16G	17G	18G	19G	20G	21G
22G	23G	24G	25G	26G	27G	28G	29G	30G		
31G	32G	33G	34G	35G	36G	37G	38G	39G	40G	41G
42G	43G	44G	45G	46G	47G	48G	49G	50G		
51G	52G	53G	54G	55G	56G	57G	58G	59G	60G	61G
62G	63G	64G	65G	66G	67G	68G	69G	70G		
71G	72G	73G	74G	75G	76G	77G	78G	79G	80G	81G
82G	83G	84G	85G	86G	87G	88G	89G	90G		
91G	92G	93G	94G	95G	96G	97G	98G	99G	100G	

Terminal No.	Color of Wire	Signal Name
91G	L	-

Connector No.	M40
Connector Name	WIRE TO WIRE
Connector Color	GRAY



Terminal No.	Color of Wire	Signal Name								
11A	12A	13A	14A	15A	16A	17A	18A	19A	20A	21A
22A	23A	24A	25A	26A	27A	28A	29A	30A		
31A	32A	33A	34A	35A	36A	37A	38A	39A	40A	41A
42A	43A	44A	45A	46A	47A	48A	49A	50A		
51A	52A	53A	54A	55A	56A	57A	58A	59A	60A	61A
62A	63A	64A	65A	66A	67A	68A	69A	70A		
71A	72A	73A	74A	75A	76A	77A	78A	79A	80A	81A
82A	83A	84A	85A	86A	87A	88A	89A	90A		
91A	92A	93A	94A	95A	96A	97A	98A	99A	100A	

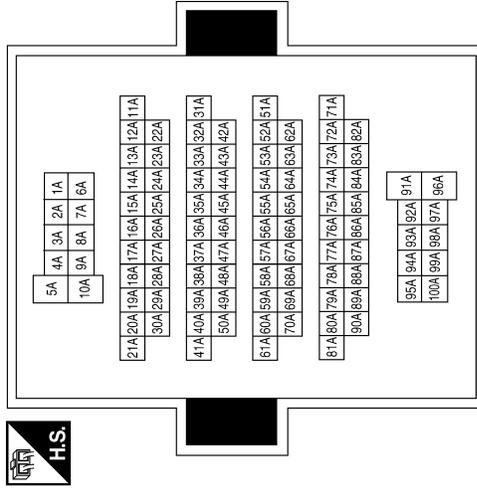
Terminal No.	Color of Wire	Signal Name
82A	BG	-
91A	L	-

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# THIRD ROW SEATBACK POWER RETURN SYSTEM

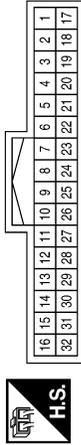
< WIRING DIAGRAM >

Connector No.	B69
Connector Name	WIRE TO WIRE
Connector Color	GRAY



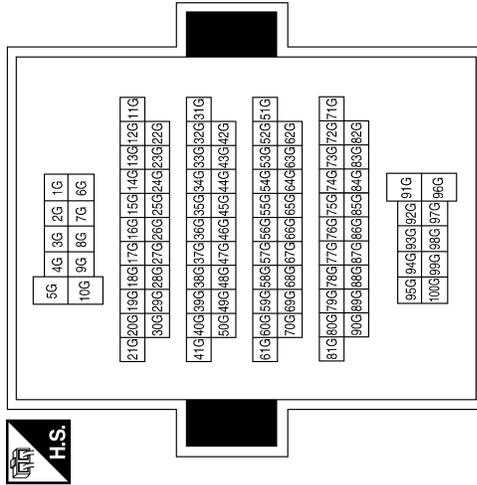
Terminal No.	Color of Wire	Signal Name
82A	BG	-
91A	L	-

Connector No.	B32
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
26	V	-

Connector No.	E152
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
91G	L	-

Terminal No.	Color of Wire	Signal Name
1	B	-
2	V	-
3	L	-
4	B	-
5	SB	-
6	BG	-

Connector No.	B89
Connector Name	WIRE TO WIRE
Connector Color	WHITE

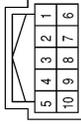


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# THIRD ROW SEATBACK POWER RETURN SYSTEM

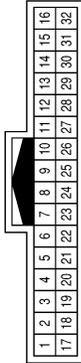
< WIRING DIAGRAM >

Connector No.	B138
Connector Name	REAR SEATBACK SWITCH PASSENGER SIDE
Connector Color	BLACK



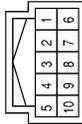
Terminal No.	Color of Wire	Signal Name
1	B	-
2	L/R	-
3	R/B	-
4	Y	-
5	G	-
6	B/Y	-
7	-	-
8	-	-
9	V	-
10	-	-

Connector No.	B124
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
26	V	-

Connector No.	B90
Connector Name	REAR SEATBACK SWITCH DRIVER SIDE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
1	B	-
2	L/R	-
3	R/B	-
4	Y	-
5	G	-
6	B/Y	-
7	-	-
8	-	-
9	SB	-
10	-	-

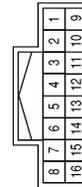
Connector No.	B413
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
1	B	-
2	L/R	-
3	R/B	-
4	Y	-
5	G	-
6	B/Y	-

Terminal No.	Color of Wire	Signal Name
4	R/B	-
5	-	-
6	Y/R	-
7	G/W	-
8	B/W	-
9	R/B	-
10	-	-
11	-	-
12	B	-
13	-	-
14	Y	-
15	G	-
16	B/Y	-

Connector No.	B412
Connector Name	SEATBACK POWER RETURN CONTROL UNIT
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
1	L/W	-
2	R/W	-
3	L	-

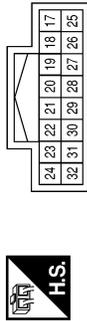
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# THIRD ROW SEATBACK POWER RETURN SYSTEM

< WIRING DIAGRAM >

Connector No.	B414
Connector Name	SEATBACK POWER RETURN CONTROL UNIT
Connector Color	WHITE



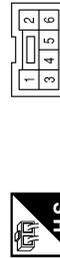
Terminal No.	Color of Wire	Signal Name
17	-	-
18	BR	-
19	W/R	-
20	W	-
21	L/R	-
22	-	-
23	-	-
24	R	-
25	B	-
26	BR	-
27	L/W	-
28	L	-
29	LG/Y	-
30	-	-
31	-	-
32	-	-

Connector No.	B415
Connector Name	POWER RETURN MOTOR LH
Connector Color	GRAY



Terminal No.	Color of Wire	Signal Name
1	R/B	-
2	L	-
3	-	-
4	G	-
5	B/Y	-
6	Y	-

Connector No.	B417
Connector Name	POWER RETURN MOTOR RH
Connector Color	GRAY



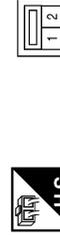
Terminal No.	Color of Wire	Signal Name
1	R/W	-
2	L/W	-
3	-	-
4	G/W	-
5	B/W	-
6	Y/R	-

Connector No.	B418
Connector Name	SECTOR GEAR POSITION LIMIT SWITCH (PASSENGER SIDE)
Connector Color	GRAY



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

Connector No.	B419
Connector Name	SEATBACK ANGLE LIMIT SWITCH (PASSENGER SIDE)
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
1	L/W	-
2	BR/W	-

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# THIRD ROW SEATBACK POWER RETURN SYSTEM

< WIRING DIAGRAM >

Connector No.	B421
Connector Name	SEATBACK ANGLE LIMIT SWITCH (DRIVER SIDE)
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
1	L	-
2	BR	-

Connector No.	B420
Connector Name	SECTOR GEAR POSITION LIMIT SWITCH (DRIVER SIDE)
Connector Color	GRAY



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

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# DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

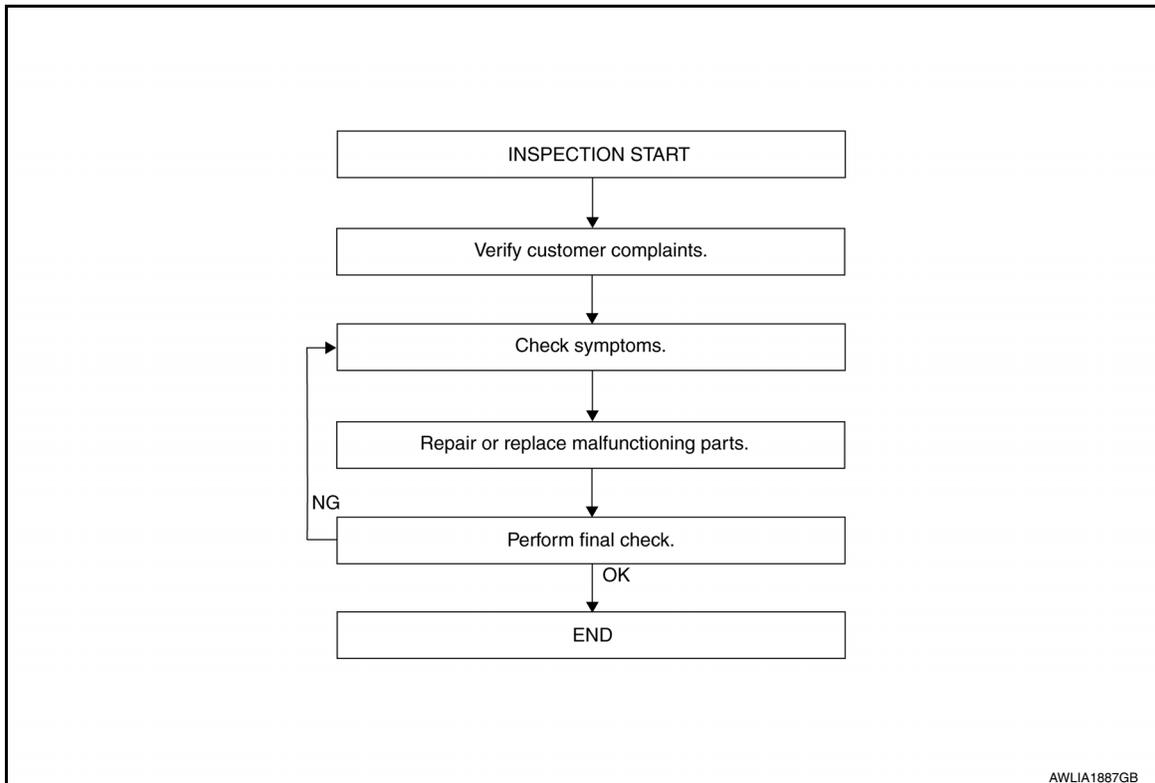
## BASIC INSPECTION

### DIAGNOSIS AND REPAIR WORK FLOW

Work Flow

INFOID:000000009133806

OVERALL SEQUENCE



DETAILED FLOW

#### 1. REVIEW CUSTOMER COMPLAINT

Review customer complaint. Try to obtain detailed information about the conditions when the symptom occurs.

>> GO TO 2.

#### 2. VERIFY THE SYMPTOM

Verify the symptom by performing an operational check. Refer to [SE-14. "CLIMATE CONTROLLED SEAT SYSTEM : System Description"](#) or [SE-15. "THIRD ROW SEATBACK POWER RETURN SYSTEM : System Description"](#).

>> GO TO 3.

#### 3. PERFORM TROUBLE DIAGNOSIS BY SYMPTOM

Diagnose the vehicle by performing the appropriate trouble diagnosis. Refer to [SE-99. "Symptom Table"](#) or [SE-100. "Symptom Table"](#).

>> GO TO 4.

#### 4. REPAIR OR REPLACE MALFUNCTIONING PARTS

Repair or replace the specific parts.

>> GO TO 5.

# DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

---

## 5. FINAL CHECK

---

Perform a final inspection of the system.

Is the inspection result normal?

YES >> Inspection End.

NO >> GO TO 2.

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# POWER SUPPLY AND GROUND CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

## DTC/CIRCUIT DIAGNOSIS

### POWER SUPPLY AND GROUND CIRCUIT CLIMATE CONTROLLED SEAT CONTROL UNIT

CLIMATE CONTROLLED SEAT CONTROL UNIT : Diagnosis Procedure INFOID:000000009133807

Regarding Wiring Diagram information, refer to [SE-44, "Wiring Diagram"](#).

#### DRIVER SIDE

### 1.CHECK FUSE

Check if any of the following fuses are blown.

Signal name	Fuse No.
Battery power supply	68 (15A)
IGN power supply	29 (5A)

#### Is the fuse blown?

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

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

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

(+)		(-)	Voltage (V) (Approx.)
Connector	Terminal		
B204	21	Ground	Battery voltage
B205	29		

#### Is the inspection result normal?

- YES >> GO TO 7.  
NO >> GO TO 3.

### 3.CHECK CLIMATE CONTROLLED SEAT CONTROL UNIT (DRIVER SIDE) POWER SUPPLY CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect climate controlled seat relay.
3. Check continuity between climate controlled seat control unit (driver side) harness connector and climate controlled seat relay harness connector.

Climate controlled seat control unit (driver side)		Climate controlled seat relay		Continuity
Connector	Terminal	Connector	Terminal	
B204	21	M58	6	Yes
B205	29			

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

Climate controlled seat control unit (driver side)		Ground	Continuity
Connector	Terminal		
B204	21		No
B205	29		

# POWER SUPPLY AND GROUND CIRCUIT

## < DTC/CIRCUIT DIAGNOSIS >

### Is the inspection result normal?

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

### 4.CHECK CLIMATE CONTROLLED SEAT RELAY POWER SUPPLY CIRCUIT

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

(+)		(-)	Voltage (V) (Approx.)
Climate controlled seat relay			
Connector	Terminal	Ground	Battery voltage
M58	2		
	7		

### Is the inspection result normal?

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

### 5.CHECK CLIMATE CONTROLLED SEAT RELAY GROUND CIRCUIT

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

Climate controlled seat relay		Ground	Continuity
Connector	Terminal		
M58	1		Yes

### Is the inspection result normal?

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

### 6.CHECK CLIMATE CONTROLLED SEAT RELAY

Check climate controlled seat relay.

Refer to [SE-65. "CLIMATE CONTROLLED SEAT CONTROL UNIT : Component Inspection"](#).

### Is the inspection result normal?

- YES >> GO TO 7.  
NO >> Replace climate controlled seat relay.

### 7.CHECK CLIMATE CONTROLLED SEAT CONTROL UNIT (DRIVER SIDE) GROUND CIRCUIT

- Turn ignition switch OFF.
- Check continuity between climate control unit (driver side) harness connector and ground.

Climate controlled seat control unit (driver side)		Ground	Continuity
Connector	Terminal		
B205	30		Yes

### Is the inspection result normal?

- YES >> Check intermittent incident. Refer to [GI-53. "Intermittent Incident"](#).  
NO >> Repair or replace harness or connector.

## PASSENGER SIDE

### 1.CHECK FUSE

Check if any of the following fuses are blown.

Signal name	Fuse No.
Battery power supply	66 (15A)
IGN power supply	29 (5A)

# POWER SUPPLY AND GROUND CIRCUIT

## < DTC/CIRCUIT DIAGNOSIS >

### Is the fuse blown?

- 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.

(+)		(-)	Voltage (V) (Approx.)
Climate controlled seat control unit (passenger side)			
Connector	Terminal	Ground	Battery voltage
B304	21		
B305	29		

### Is the inspection result normal?

- YES >> GO TO 7.  
 NO >> GO TO 3.

### 3. CHECK CLIMATE CONTROLLED SEAT CONTROL UNIT (PASSENGER SIDE) POWER SUPPLY CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect climate controlled seat relay.
3. Check continuity between climate controlled seat control unit (passenger side) harness connector and climate controlled seat relay harness connector.

Climate controlled seat control unit (passenger side)		Climate controlled seat relay		Continuity
Connector	Terminal	Connector	Terminal	
B304	21	M58	3	Yes
B305	29			

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

Climate controlled seat control unit (passenger side)		Ground	Continuity
Connector	Terminal		
B304	21		No
B305	29		

### Is the inspection result normal?

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

### 4. CHECK CLIMATE CONTROLLED SEAT RELAY POWER SUPPLY CIRCUIT

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

(+)		(-)	Voltage (V) (Approx.)
Climate controlled seat relay			
Connector	Terminal	Ground	Battery voltage
M58	2		
	5		

### Is the inspection result normal?

- YES >> GO TO 5.

# POWER SUPPLY AND GROUND CIRCUIT

## < DTC/CIRCUIT DIAGNOSIS >

NO >> Repair or replace harness or connector.

### 5. 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 controlled seat relay		Ground	Continuity
Connector	Terminal		
M58	1		Yes

Is the inspection result normal?

YES >> GO TO 6.

NO >> Repair or replace harness.

### 6. CHECK CLIMATE CONTROLLED SEAT RELAY

Check climate controlled seat relay.

Refer to [SE-65. "CLIMATE CONTROLLED SEAT CONTROL UNIT : Component Inspection"](#).

Is the inspection result normal?

YES >> GO TO 7.

NO >> Replace climate controlled seat relay.

### 7. 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 control unit (passenger side)		Ground	Continuity
Connector	Terminal		
B305	30		Yes

Is the inspection result normal?

YES >> Check intermittent incident. Refer to [GI-53. "Intermittent Incident"](#).

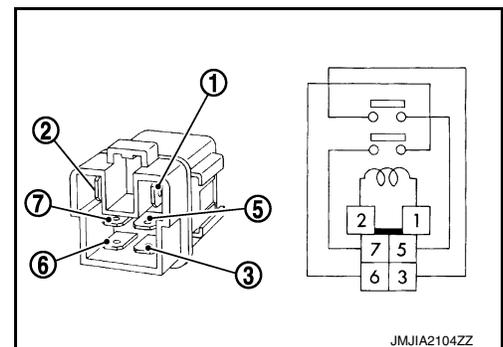
NO >> Repair harness or connector.

## CLIMATE CONTROLLED SEAT CONTROL UNIT : Component Inspection INFOID:000000009133808

### 1. CHECK CLIMATE CONTROLLED SEAT RELAY

1. Turn ignition switch OFF.
2. Remove climate controlled seat relay.
3. Check the continuity between climate controlled seat relay terminals under the following conditions.

Terminal	Condition	Continuity	
3	5	12 V direct current supply between terminals 1 and 2.	Yes
		No current supply	No
6	7	12 V direct current supply between terminals 1 and 2.	Yes
		No current supply	No



Is the inspection result normal?

YES >> Inspection End.

NO >> Replace climate controlled seat relay.

## SEATBACK POWER RETURN CONTROL UNIT

### SEATBACK POWER RETURN CONTROL UNIT : Diagnosis Procedure INFOID:000000009760268

#### 1. CHECK FUSE

# POWER SUPPLY AND GROUND CIRCUIT

## < DTC/CIRCUIT DIAGNOSIS >

Check that the following fuses are not blown.

Signal name	Fuse No.
Battery power supply	25 (10 A)
	64 (30 A)

Is the inspection result normal?

YES >> GO TO 2.

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

## 2. CHECK POWER SUPPLY

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

(+)		(-)	Voltage (V)
Connector	Terminal		
B412	9	Ground	Battery voltage
B414	24		

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair harness or connector.

## 3. CHECK GROUND CIRCUIT

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

Seatback power return control unit		Ground	Continuity
Connector	Terminal		
B412	12		Yes
B414	25		

Is the inspection result normal?

YES >> Inspection End.

NO >> Repair harness or connector.

# CLIMATE CONTROLLED SEAT SWITCH

< DTC/CIRCUIT DIAGNOSIS >

## CLIMATE CONTROLLED SEAT SWITCH

### Component Function Check

INFOID:000000009133809

#### 1. CHECK CLIMATE CONTROLLED SEAT SWITCH FUNCTION

Check that climate controlled seat activates when operating climate controlled seat control switch.

Is the inspection result normal?

- YES >> Climate controlled seat switch is OK.  
 NO >> Refer to [SE-67, "Diagnosis Procedure"](#).

### Diagnosis Procedure

INFOID:000000009133810

Regarding Wiring Diagram information, refer to [SE-44, "Wiring Diagram"](#).

#### 1. CHECK CLIMATE CONTROLLED SEAT CONTROL UNIT INPUT SIGNAL

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

(+)		(-)	Condition	Voltage (V) (Approx.)	
Climate controlled seat control unit					
Connector	Terminal				
Driver side	B204	20	Climate controlled seat switch (driver side)	COOL HI	2.6 - 4.2
				COOL MID	1.6 - 2.5
				COOL LO	0.8 - 1.5
		OFF		0	
		HEAT	HEAT HI	2.6 - 4.2	
			HEAT MID	1.6 - 2.5	
HEAT LO	0.8 - 1.5				
OFF		0			
Passenger side	B304	20	Climate controlled seat switch (passenger seat)	COOL HI	2.6 - 4.2
				COOL MID	1.6 - 2.5
				COOL LO	0.8 - 1.5
		OFF		0	
		HEAT	HEAT HI	2.6 - 4.2	
			HEAT MID	1.6 - 2.5	
HEAT LO	0.8 - 1.5				
OFF		0			

Is the inspection result normal?

- YES >> Inspection End.  
 NO-1 >> HEAT or COOL mode is NG. GO TO 2.  
 NO-2 >> HEAT and COOL mode are NG. GO TO 3.

#### 2. CHECK CLIMATE CONTROLLED SEAT SWITCH CIRCUIT

- Turn ignition switch OFF.
- 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 control unit harness connector.

# CLIMATE CONTROLLED SEAT SWITCH

## < DTC/CIRCUIT DIAGNOSIS >

Climate controlled seat switch			Climate controlled seat control unit		Continuity
Connector		Terminal	Connector	Terminal	
Driver side	COOL	M203	2	B204	Yes
	HEAT		3		
Passenger side	COOL	M206	2	B304	
	HEAT		3		

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

Climate controlled seat switch			Terminal	Ground	Continuity
Connector					
Driver side	COOL	M203	2	Ground	No
	HEAT		3		
Passenger side	COOL	M206	2		
	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.

Climate controlled seat switch		Terminal	(-)	Voltage (V) (Approx.)
Connector				
Driver side	M203	1	Ground	12
Passenger side	M206			

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.

Climate controlled seat switch			Climate controlled seat control unit		Continuity
Connector		Terminal	Connector	Terminal	
Driver side	M203	1	B204	24	Yes
Passenger side	M206		B304		

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

Climate controlled seat switch			Terminal	Ground	Continuity
Connector					
Driver side	M203	1	Ground	No	
Passenger side	M206				

Is the inspection result normal?

# CLIMATE CONTROLLED SEAT SWITCH

## < DTC/CIRCUIT DIAGNOSIS >

- YES >> Replace climate controlled seat control unit. Refer to [SE-107. "Exploded View"](#).  
NO >> Repair or replace harness.

## 5.CHECK CLIMATE CONTROLLED SEAT SWITCH

Check climate controlled seat switch.  
Refer to [SE-69. "Component Inspection"](#).

Is the inspection result normal?

- YES >> Check intermittent incident. Refer to [GI-53. "Intermittent Incident"](#).  
NO >> Replace climate controlled seat switch. Refer to [IP-18. "Removal and Installation"](#).

## Component Inspection

INFOID:000000009133811

## 1.CHECK CLIMATE CONTROLLED SEAT SWITCH

1. Turn ignition switch OFF.
2. Disconnect climate controlled seat switch connector.
3. Check the continuity between climate controlled seat switch terminals under the following terminals.

Terminal		Condition		Continuity	
2	1	Climate controlled seat switch	COOL mode	ON	Yes
				OFF	No
3		HEAT mode	ON	Yes	
			OFF	No	

Is the inspection result normal?

- YES >> Inspection End.  
NO >> Replace climate controlled seat switch. Refer to [IP-18. "Removal and Installation"](#).

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SE

# SEATBACK THERMAL ELECTRIC DEVICE

< DTC/CIRCUIT DIAGNOSIS >

## SEATBACK THERMAL ELECTRIC DEVICE

### Component Function Check

INFOID:000000009133812

#### 1. CHECK SEATBACK THERMAL ELECTRIC DEVICE FUNCTION

Check whether or not the temperature of the seatback thermal electric device 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 [SE-70, "Diagnosis Procedure"](#).

#### Diagnosis Procedure

INFOID:000000009133813

Regarding Wiring Diagram information, refer to [SE-44, "Wiring Diagram"](#).

#### 1. CHECK SEATBACK THERMAL ELECTRIC DEVICE INPUT SIGNAL

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

(+)		(-)	Condition	Voltage (V) (Approx.)	
Seatback thermal electric device					
Connector	Terminal				
Driver side	B212	Ground	Climate controlled seat switch	HEAT or COOL	0 - 12*
				Other than above	0
				HEAT or COOL	0 - 12*
				Other than above	0
Passenger side	B309		Climate controlled seat switch	HEAT or COOL	0 - 12*
				Other than above	0
				HEAT or COOL	0 - 12*
				Other than above	0

\*:It changes between 12 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 device. Refer to [SE-115, "Seatback Thermal Electric Device"](#).  
 NO >> GO TO 2.

#### 2. CHECK SEATBACK THERMAL ELECTRIC DEVICE CIRCUIT

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

Climate controlled seat control unit		Seatback thermal electric device		Continuity		
Connector	Terminal	Connector	Terminal			
Driver side	B205	B212	28	1	Yes	
			25	2		
Passenger side	B305		B309	28		1
				25		2

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

# SEATBACK THERMAL ELECTRIC DEVICE

## < DTC/CIRCUIT DIAGNOSIS >

Climate controlled seat control unit			Ground	Continuity		
Connector		Terminal		No		
Driver side	B205	28	Ground		No	
		25				
Passenger side	B305	28				Ground
		25				

Is the inspection result normal?

- YES >> Replace climate controlled seat control unit. Refer to [SE-107, "Exploded View"](#).
- NO >> Repair or replace harness.

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SE

# SEATBACK THERMAL ELECTRIC DEVICE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

## SEATBACK THERMAL ELECTRIC DEVICE SENSOR

### Component Function Check

INFOID:000000009133814

#### 1. CHECK SEATBACK THERMAL ELECTRIC DEVICE SENSOR FUNCTION

Check whether or not the temperature of the seatback thermal electric device 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 [SE-72, "Diagnosis Procedure"](#).

### Diagnosis Procedure

INFOID:000000009133815

Regarding Wiring Diagram information, refer to [SE-44, "Wiring Diagram"](#).

#### 1. CHECK SEATBACK THERMAL ELECTRIC DEVICE SENSOR SIGNAL

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

(+)		Terminal	(-)	Condition	Voltage (V) (Approx.)
Seatback thermal electric device					
Connector					
Driver side	B212	3	Ground	Climate controlled seat operated	1 - 5
Passenger side	B309				

Is the inspection result normal?

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

#### 2. CHECK SEATBACK THERMAL ELECTRIC DEVICE SENSOR CIRCUIT

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

Climate controlled seat control unit		Terminal	Seatback thermal electric device		Continuity
Connector			Connector	Terminal	
Driver side	B203	16	B212	3	Yes
Passenger side	B303		B309		

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

Climate controlled seat control unit		Terminal	Ground	Continuity
Connector				
Driver side	B203	16		No
Passenger side	B303			

Is the inspection result normal?

- YES >> Replace climate controlled seat control unit. Refer to [SE-107, "Exploded View"](#).
- NO >> Repair or replace harness.

#### 3. CHECK SEATBACK THERMAL ELECTRIC DEVICE SENSOR GROUND CIRCUIT

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

# SEATBACK THERMAL ELECTRIC DEVICE SENSOR

## < DTC/CIRCUIT DIAGNOSIS >

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

Climate controlled seat control unit		Seatback thermal electric device		Continuity
Connector	Terminal	Connector	Terminal	
Driver side	B203	15	B212	Yes
Passenger side	B303		B309	

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

Climate controlled seat control unit		Ground	Continuity
Connector	Terminal		
Driver side	B203	15	No
Passenger side	B303		

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

## 4. CHECK SEATBACK THERMAL ELECTRIC DEVICE SENSOR

Check seatback thermal electric device sensor.

Refer to [SE-73, "Component Inspection"](#).

Is the inspection result normal?

YES >> Check intermittent incident. Refer to [GI-53, "Intermittent Incident"](#).

NO >> Replace seatback thermal electric device. [SE-115, "Seatback Thermal Electric Device"](#).

## Component Inspection

INFOID:000000009133816

## 1. CHECK SEATBACK THERMAL ELECTRIC DEVICE SENSOR

1. Turn ignition switch OFF.
2. Disconnect seatback thermal electric device connector.
3. Check resistance between seatback thermal electric device terminals.

Seatback thermal electric device		Resistance (Approx.)
Terminal		
3	4	1000Ω*

\* : When sensor temperature is 25°C (77°F).

Is the inspection result normal?

YES >> Inspection End.

NO >> Replace seatback thermal electric device. Refer to [SE-115, "Seatback Thermal Electric Device"](#).

# SEAT CUSHION THERMAL ELECTRIC DEVICE

< DTC/CIRCUIT DIAGNOSIS >

## SEAT CUSHION THERMAL ELECTRIC DEVICE

### Component Function Check

INFOID:000000009133817

#### 1. CHECK SEAT CUSHION THERMAL ELECTRIC DEVICE FUNCTION

Check whether or not the temperature of the seat cushion thermal electric device 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 [SE-74, "Diagnosis Procedure"](#).

### Diagnosis Procedure

INFOID:000000009133818

Regarding Wiring Diagram information, refer to [SE-44, "Wiring Diagram"](#).

#### 1. CHECK SEAT CUSHION THERMAL ELECTRIC DEVICE SIGNAL

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

(+)		(-)	Condition	Voltage (V) (Approx.)	
Seat cushion thermal electric device					
Connector	Terminal				
Driver side	B206	Ground	Climate controlled seat switch	HEAT or COOL	0 - 12*
				Other than above	0
			Climate controlled seat switch	HEAT or COOL	0 - 12*
				Other than above	0
Passenger side	B308	Ground	Climate controlled seat switch	HEAT or COOL	0 - 12*
				Other than above	0
			Climate controlled seat switch	HEAT or COOL	0 - 12*
				Other than above	0

\*:It changes between 12 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 device. Refer to [SE-115, "Seat Cushion Thermal Electric Device"](#).
- NO >> GO TO 2.

#### 2. CHECK SEAT CUSHION THERMAL ELECTRIC DEVICE CIRCUIT

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

# SEAT CUSHION THERMAL ELECTRIC DEVICE

## < DTC/CIRCUIT DIAGNOSIS >

Climate controlled seat control unit		Seat cushion thermal electric device		Continuity
Connector	Terminal	Connector	Terminal	
Driver side	B205	27	B206	1
		26		2
Passenger side	B305	27	B308	1
		26		2

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

Climate controlled seat control unit		Ground	Continuity
Connector	Terminal		
Driver side	B205	27	No
		26	
Passenger side	B305	27	
		26	

Is the inspection result normal?

YES >> Replace climate controlled seat control unit. Refer to [SE-107, "Exploded View"](#).

NO >> Repair or replace harness.

SE

# SEAT CUSHION THERMAL ELECTRIC DEVICE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

## SEAT CUSHION THERMAL ELECTRIC DEVICE SENSOR

### Component Function Check

INFOID:000000009133819

#### 1. CHECK SEAT CUSHION THERMAL ELECTRIC DEVICE SENSOR FUNCTION

Check whether or not the temperature of the seat cushion thermal electric device 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 [SE-76, "Diagnosis Procedure"](#).

### Diagnosis Procedure

INFOID:000000009133820

Regarding Wiring Diagram information, refer to [SE-44, "Wiring Diagram"](#).

#### 1. CHECK SEAT CUSHION THERMAL ELECTRIC DEVICE SENSOR SIGNAL

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

(+)		Terminal	(-)	Condition	Voltage (V) (Approx.)
Seat cushion thermal electric device					
Connector					
Driver side	B206	3	Ground	Climate controlled seat operated	1 - 5
Passenger side	B308				

Is the inspection result normal?

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

#### 2. CHECK SEAT CUSHION THERMAL ELECTRIC DEVICE SENSOR CIRCUIT

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

Climate controlled seat control unit		Terminal	Seat cushion thermal electric device		Continuity
Connector			Connector	Terminal	
Driver side	B203	14	B206	3	Yes
Passenger side	B303		B308		

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

Climate controlled seat control unit		Terminal	Ground	Continuity
Connector				
Driver side	B203	14		No
Passenger side	B303			

Is the inspection result normal?

- YES >> Replace climate controlled seat control unit. Refer to [SE-107, "Exploded View"](#).  
NO >> Repair or replace harness.

#### 3. CHECK SEAT CUSHION THERMAL ELECTRIC DEVICE SENSOR GROUND CIRCUIT

1. Turn ignition switch OFF.

# SEAT CUSHION THERMAL ELECTRIC DEVICE SENSOR

## < DTC/CIRCUIT DIAGNOSIS >

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

Climate controlled seat control unit		Seat cushion thermal electric device		Continuity
Connector	Terminal	Connector	Terminal	
Driver side	B203	13	B206	Yes
Passenger side	B303		B308	

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

Climate controlled seat control unit		Ground	Continuity
Connector	Terminal		
Driver side	B203	13	No
Passenger side	B303		

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

## 4. CHECK SEAT CUSHION THERMAL ELECTRIC DEVICE SENSOR

Check seat cushion thermal electric device sensor. Refer to [SE-77. "Component Inspection"](#).

Is the inspection result normal?

YES >> Check intermittent incident. Refer to [GI-53. "Intermittent Incident"](#).

NO >> Replace seat cushion thermal electric device. [SE-115. "Seat Cushion Thermal Electric Device"](#).

## Component Inspection

INFOID:000000009133821

## 1. CHECK SEAT CUSHION THERMAL ELECTRIC DEVICE SENSOR

1. Turn ignition switch OFF.
2. Disconnect seat cushion thermal electric device connector.
3. Check resistance between seat cushion thermal electric device terminals.

Seat cushion thermal electric device		Resistance (Approx.)
Terminal		
3	4	1000Ω*

\* : When sensor temperature is 25°C (77°F).

Is the inspection result normal?

YES >> Inspection End.

NO >> Replace seat cushion thermal electric device. Refer to [SE-115. "Seat Cushion Thermal Electric Device"](#).

# CLIMATE CONTROLLED SEAT BLOWER MOTOR

< DTC/CIRCUIT DIAGNOSIS >

## CLIMATE CONTROLLED SEAT BLOWER MOTOR

### Component Function Check

INFOID:000000009133822

#### 1. CHECK CLIMATE CONTROLLED SEATBACK BLOWER MOTOR FUNCTION

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

Is the inspection result normal?

- YES >> Inspection End.  
 NO >> Refer to [SE-78, "Diagnosis Procedure"](#).

### Diagnosis Procedure

INFOID:000000009133823

Regarding Wiring Diagram information, refer to [SE-44, "Wiring Diagram"](#).

#### 1. CHECK CLIMATE CONTROLLED SEAT BLOWER MOTOR POWER SUPPLY

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

(+) Climate controlled seat blower motor		Terminal	(-)	Condition	Voltage (V) (Approx.)			
Connector								
Driver side	B213	2	Ground	Climate controlled seat switch	HEAT mode	12		
					COOL mode			
					Other than above	0		
Passenger side	B307					Climate controlled seat switch	HEAT mode	12
						COOL mode		
						Other than above	0	

Is the inspection result normal?

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

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

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

Climate controlled seat blower motor		Climate controlled seat control unit		Continuity
Connector	Terminal	Connector	Terminal	
Driver side	B213	B203	7	Yes
Passenger side	B307	B303		

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

Climate controlled seat blower motor		Terminal	Ground	Continuity
Connector				
Driver side	B213	2		No
Passenger side	B307			

Is the inspection result normal?

# CLIMATE CONTROLLED SEAT BLOWER MOTOR

## < DTC/CIRCUIT DIAGNOSIS >

- YES >> Replace climate controlled seat control unit. Refer to [SE-107, "Exploded View"](#).  
 NO >> Repair or replace harness.

### 3. CHECK CLIMATE CONTROLLED SEAT BLOWER MOTOR SPEED CONTROL SIGNAL

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

(+)		Terminal	(-)	Condition	Voltage (V) (Approx.)		
Climate controlled seat blower motor							
Connector							
Driver side	B213	3	Ground	Climate controlled seat switch	HEAT	5.5 - 8	
				Climate controlled seat switch	COOL	HI	11.2
						MID	8
						LO	6.5
Other than above		0					
Passenger side	B307	3	Ground	Climate controlled seat switch	HEAT	5.5 - 8	
				Climate controlled seat switch	COOL	HI	11.2
						MID	8
						LO	6.5
Other than above		0					

Is the inspection result normal?

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

### 4. CHECK CLIMATE CONTROLLED SEAT BLOWER MOTOR SPEED CONTROL SIGNAL CIRCUIT

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

Climate controlled seat blower motor		Climate controlled seat control unit		Continuity
Connector	Terminal	Connector	Terminal	
Driver side	B213	B203	4	Yes
Passenger side	B307			

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

Climate controlled seat blower motor		Ground	Continuity
Connector	Terminal		
Driver side	B213	3	No
Passenger side	B307		

Is the inspection result normal?

- YES >> Replace climate controlled seat control unit. Refer to [SE-107, "Exploded View"](#).  
 NO >> Repair or replace harness.

### 5. CHECK CLIMATE CONTROLLED SEAT BLOWER MOTOR GROUND CIRCUIT

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

# CLIMATE CONTROLLED SEAT BLOWER MOTOR

## < DTC/CIRCUIT DIAGNOSIS >

Climate controlled seat blower motor		Climate controlled seat control unit		Continuity
Connector	Terminal	Connector	Terminal	
Driver side	B213	4	B203	Yes
Passenger side	B307		B303	

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

Climate controlled seat blower motor		Ground	Continuity
Connector	Terminal		
Driver side	B213	4	No
Passenger side	B307		

Is the inspection result normal?

- YES >> Replace climate controlled seat blower motor. Refer to [SE-116. "Blower Motor"](#).  
 NO >> Repair or replace harness.

# CLIMATE CONTROLLED SEAT SWITCH INDICATOR

< DTC/CIRCUIT DIAGNOSIS >

## CLIMATE CONTROLLED SEAT SWITCH INDICATOR

### Component Function Check

INFOID:000000009133824

#### 1. CHECK CLIMATE CONTROLLED SEAT SWITCH INDICATOR FUNCTION

Check that the related indicator lamp illuminates when climate controlled seat switch is set to HEAT or COOL mode.

Is the inspection result normal?

- YES >> Inspection End.
- NO >> Refer to [SE-81, "Diagnosis Procedure"](#).

### Diagnosis Procedure

INFOID:000000009133825

Regarding Wiring Diagram information, refer to [SE-44, "Wiring Diagram"](#).

#### 1. CHECK CLIMATE CONTROLLED SEAT SWITCH INPUT SIGNAL

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

(+)		(-)	Condition		Voltage (V) (Approx.)
Climate controlled seat switch			Climate controlled seat switch		
Connector	Terminal	Ground			
Driver side	M203		5	HEAT mode	12
				OFF	0
			4	COOL mode	12
				OFF	0
Passenger side	M206		5	HEAT mode	12
				OFF	0
			4	COOL mode	12
		OFF		0	

Is the inspection result normal?

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

#### 2. CHECK CLIMATE CONTROLLED SEAT SWITCH INDICATOR CIRCUIT

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

Climate controlled seat switch		Climate controlled seat control unit		Continuity
Connector	Terminal	Connector	Terminal	
Driver side	M203	B203	4	9
			5	1
Passenger side	M206	B303	4	9
			5	1

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

# CLIMATE CONTROLLED SEAT SWITCH INDICATOR

## < DTC/CIRCUIT DIAGNOSIS >

Climate controlled seat switch			Ground	Continuity
Connector		Terminal		
Driver side	M203	4		No
		5		
Passenger side	M206	4		
		5		

Is the inspection result normal?

YES >> Replace climate controlled seat control unit. Refer to [SE-107. "Exploded View"](#).

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			Ground	Continuity
Connector		Terminal		
Driver side	M203	6		Yes
Passenger side	M206			

Is the inspection result normal?

YES >> Replace climate controlled seat switch. Refer to [IP-18. "Removal and Installation"](#).

NO >> Repair or replace harness.

# CLIMATE CONTROLLED SEAT BLOWER FILTER

< DTC/CIRCUIT DIAGNOSIS >

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## CLIMATE CONTROLLED SEAT BLOWER FILTER

### Diagnosis Procedure

INFOID:000000009133826

#### 1. CHECK CLIMATE CONTROLLED SEAT BLOWER FILTER

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Remove climate controlled seat blower filter and check that there is no clogging by dirt or foreign matters.

Is the inspection result normal?

YES >> Inspection End.

NO >> Replace climate controlled seat blower filter. Refer to [SE-116, "Blower Motor Filter"](#).

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# REAR SEATBACK SWITCH

< DTC/CIRCUIT DIAGNOSIS >

## REAR SEATBACK SWITCH

### DRIVER SIDE

#### DRIVER SIDE : Component Function Check

INFOID:000000009760262

#### 1.CHECK FUNCTION

Check the rear seatback switch (driver side) operation.

Is the inspection result normal?

YES >> Inspection End.

NO >> Refer to [SE-84, "DRIVER SIDE : Diagnosis Procedure"](#).

#### DRIVER SIDE : Diagnosis Procedure

INFOID:000000009760263

#### 1.CHECK REAR SEATBACK SWITCH (DRIVER SIDE) GROUND CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect rear seatback switch (driver side) connector.
3. Check continuity between rear seatback switch (driver side) harness connector and ground.

Rear seatback switch (driver side)		Ground	Continuity
Connector	Terminal		
B90	6		Yes

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness.

#### 2.CHECK REAR SEATBACK SWITCH (DRIVER SIDE) RETURN SIGNAL

Check voltage between rear seatback switch (driver side) harness connector and ground.

Rear seatback switch (driver side)		(-)	Voltage (V)
Connector	Terminal		
B90	9	Ground	4.7 – 5.3

Is the inspection result normal?

YES >> GO TO 4.

NO >> GO TO 3.

#### 3.CHECK REAR SEATBACK SWITCH (DRIVER SIDE) CIRCUIT

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

Seatback power return control unit		Rear seatback switch (driver side)		Continuity
Connector	Terminal	Connector	Terminal	
B414	29	B90	9	Yes

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

Seatback power return control unit		Ground	Continuity
Connector	Terminal		
B414	29		No

Is the inspection result normal?

YES >> Replace seatback power return control unit. Refer to [SE-134, "Exploded View"](#).

NO >> Repair or replace harness.

# REAR SEATBACK SWITCH

< DTC/CIRCUIT DIAGNOSIS >

## 4.CHECK REAR SEATBACK SWITCH (DRIVER SIDE)

Check rear seatback switch (driver side).  
Refer to [SE-86. "Component Inspection"](#).

Is the inspection result normal?

- YES >> GO TO 5.  
NO >> Replace rear seatback switch (driver side).

## 5.CHECK INTERMITTENT INCIDENT

Refer to [GI-53. "Intermittent Incident"](#).

>> Inspection End.

## PASSENGER SIDE

### PASSENGER SIDE : Component Function Check

INFOID:000000009760264

#### 1.CHECK FUNCTION

Check the rear seatback switch (passenger side) operation.

Is the inspection result normal?

- YES >> Inspection End.  
NO >> Refer to [SE-85. "PASSENGER SIDE : Diagnosis Procedure"](#).

### PASSENGER SIDE : Diagnosis Procedure

INFOID:000000009760265

#### 1.CHECK REAR SEATBACK SWITCH (PASSENGER SIDE) GROUND CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect rear seatback switch (passenger side) connector.
3. Check continuity between rear seatback switch (passenger side) harness connector and ground.

Rear seatback switch (passenger side)		Ground	Continuity
Connector	Terminal		
B138	6		Yes

Is the inspection result normal?

- YES >> GO TO 2.  
NO >> Repair or replace harness.

#### 2.CHECK REAR SEATBACK SWITCH (PASSENGER SIDE) RETURN SIGNAL

Check voltage between rear seatback switch (passenger side) harness connector and ground.

(+)		(-)	Voltage (V)
Rear seatback switch (passenger side)			
Connector	Terminal		
B138	9	Ground	4.7 – 5.3

Is the inspection result normal?

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

#### 3.CHECK REAR SEATBACK SWITCH (PASSENGER SIDE) CIRCUIT

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

# REAR SEATBACK SWITCH

## < DTC/CIRCUIT DIAGNOSIS >

Seatback power return control unit		Rear seatback switch (passenger side)		Continuity
Connector	Terminal	Connector	Terminal	
B414	21	B138	9	Yes

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

Seatback power return control unit		Ground	Continuity
Connector	Terminal		
B414	21		No

Is the inspection result normal?

- YES >> Replace seatback power return control unit. Refer to [SE-159, "Exploded View"](#).  
 NO >> Repair or replace harness.

### 4. CHECK REAR SEATBACK SWITCH (PASSENGER SIDE)

Check rear seatback switch (passenger side).

Refer to [SE-86, "Component Inspection"](#).

Is the inspection result normal?

- YES >> GO TO 5.  
 NO >> Replace rear seatback switch (passenger side).

### 5. CHECK INTERMITTENT INCIDENT

Refer to [GI-53, "Intermittent Incident"](#).

>> Inspection End.

## Component Inspection

INFOID:000000009760266

### 1. CHECK REAR SEATBACK SWITCH

- Turn ignition switch OFF.
- Remove rear seatback switch.
- Check rear seatback switch terminals under the following conditions.

Terminal		Condition	Continuity
6	9		
		Rear seatback switch	While being pressed
			Other than the above

Is the inspection result normal?

- YES >> Inspection End.  
 NO >> Replace rear seatback switch.

# SEATBACK ANGLE LIMIT SWITCH

< DTC/CIRCUIT DIAGNOSIS >

## SEATBACK ANGLE LIMIT SWITCH

### DRIVER SIDE

#### DRIVER SIDE : Diagnosis Procedure

INFOID:000000009760252

### 1. CHECK SEATBACK ANGLE LIMIT SWITCH (DRIVER SIDE) INPUT SIGNAL

1. Turn ignition switch OFF.
2. Disconnect seatback angle limit switch (driver side) connector.
3. Check voltage between seatback angle limit switch (driver side) harness connector and ground.

(+)		(-)	Voltage (V)
Connector	Terminal		
B421	1	Ground	Battery voltage

#### NOTE:

It is not low power consumption mode.

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

### 2. CHECK SEATBACK ANGLE LIMIT SWITCH (DRIVER SIDE) CIRCUIT

1. Disconnect seatback power return control unit connector.
2. Check continuity between seatback power return control unit harness connector and seatback angle limit switch (driver side) harness connector.

Seatback power return control unit		Seatback angle limit switch (driver side)		Continuity
Connector	Terminal	Connector	Terminal	
B414	28	B421	1	Yes

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

Seatback power return control unit		Ground	Continuity
Connector	Terminal		
B414	28		No

Is the inspection result normal?

YES >> Replace seatback power return control unit. Refer to [SE-159, "Exploded View"](#).

NO >> Repair or replace harness.

### 3. CHECK SEATBACK ANGLE LIMIT SWITCH (DRIVER SIDE) GROUND CIRCUIT

1. Disconnect seatback power return control unit connector and sector gear position limit switch connector.
2. Check continuity between seatback power return control unit harness connector and seatback angle limit switch (driver side) harness connector.

Seatback power return control unit		Seatback angle limit switch (driver side)		Continuity
Connector	Terminal	Connector	Terminal	
B414	26	B421	2	Yes

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

Seatback power return control unit		Ground	Continuity
Connector	Terminal		
B414	26		No

Is the inspection result normal?

YES >> GO TO 4.

# SEATBACK ANGLE LIMIT SWITCH

## < DTC/CIRCUIT DIAGNOSIS >

NO >> Repair or replace harness.

### 4. CHECK SEATBACK ANGLE LIMIT SWITCH (DRIVER SIDE)

Check seatback angle limit switch (driver side).

Refer to [SE-89. "Component Inspection"](#).

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace seatback angle limit switch (driver side). Refer to [SE-159. "Exploded View"](#).

### 5. CHECK INTERMITTENT INCIDENT

Refer to [GI-53. "Intermittent Incident"](#).

>> Inspection End.

## PASSENGER SIDE

### PASSENGER SIDE : Diagnosis Procedure

INFOID:000000009760253

### 1. CHECK SEATBACK ANGLE LIMIT SWITCH (PASSENGER SIDE) INPUT SIGNAL

1. Turn ignition switch OFF.
2. Disconnect seatback angle limit switch (passenger side) connector.
3. Check voltage between seatback angle limit switch (passenger side) harness connector and ground.

(+)		(-)	Voltage (V)
Seatback angle limit switch (passenger side)			
Connector	Terminal		
B419	1	Ground	Battery voltage

#### NOTE:

It is not low power consumption mode.

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

### 2. CHECK SEATBACK ANGLE LIMIT SWITCH (PASSENGER SIDE) CIRCUIT

1. Disconnect seatback power return control unit connector.
2. Check continuity between seatback power return control unit harness connector and seatback angle limit switch (passenger side) harness connector.

Seatback power return control unit		Seatback angle limit switch (passenger side)		Continuity
Connector	Terminal	Connector	Terminal	
B414	27	B419	1	Yes

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

Seatback power return control unit		Ground	Continuity
Connector	Terminal		
B414	27		No

Is the inspection result normal?

YES >> Replace seatback power return control unit. Refer to [SE-159. "Exploded View"](#).

NO >> Repair or replace harness.

### 3. CHECK SEATBACK ANGLE LIMIT SWITCH (PASSENGER SIDE) GROUND CIRCUIT

1. Disconnect seatback power return control unit connector and sector gear position limit switch connector.
2. Check continuity between seatback power return control unit harness connector and seatback angle limit switch (passenger side) harness connector.

# SEATBACK ANGLE LIMIT SWITCH

## < DTC/CIRCUIT DIAGNOSIS >

Seatback power return control unit		Seatback angle limit switch (passenger side)		Continuity
Connector	Terminal	Connector	Terminal	
B414	18	B419	2	Yes

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

Seatback power return control unit		Ground	Continuity
Connector	Terminal		
B414	18		No

Is the inspection result normal?

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

### 4. CHECK SEATBACK ANGLE LIMIT SWITCH (PASSENGER SIDE)

Check seatback angle limit switch (passenger side).

Refer to [SE-89. "Component Inspection"](#).

Is the inspection result normal?

- YES >> GO TO 5.  
 NO >> Replace seatback angle limit switch (passenger side). Refer to [SE-159. "Exploded View"](#).

### 5. CHECK INTERMITTENT INCIDENT

Refer to [GI-53. "Intermittent Incident"](#).

>> Inspection End.

## Component Inspection

INFOID:000000009760254

### COMPONENT INSPECTION

#### 1. CHECK SEATBACK ANGLE LIMIT SWITCH

- Turn ignition switch OFF.
- Disconnect seatback angle limit switch connector.
- Check seatback angle limit switch terminals under the following conditions.

Terminal		Condition	Continuity
1	2		
		Seatback angle limit switch	While being pressed Yes
			Other than the above No

Is the inspection result normal?

- YES >> Inspection End.  
 NO >> Replace seatback angle limit switch. Refer to [SE-159. "Exploded View"](#).

# SECTOR GEAR POSITION LIMIT SWITCH

< DTC/CIRCUIT DIAGNOSIS >

## SECTOR GEAR POSITION LIMIT SWITCH

### DRIVER SIDE

#### DRIVER SIDE : Diagnosis Procedure

INFOID:000000009760255

### 1. CHECK SECTOR GEAR POSITION LIMIT SWITCH INPUT SIGNAL

1. Turn ignition switch OFF.
2. Disconnect sector gear position limit switch (driver side) connector.
3. Check voltage between sector gear position limit switch (driver side) connector and ground.

(+)		(-)	Voltage (V)
Connector	Terminal		
B420	1	Ground	Battery voltage

#### NOTE:

It is not low electric power consumption mode.

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

### 2. CHECK SECTOR GEAR POSITION LIMIT SWITCH (DRIVER SIDE) SIGNAL CIRCUIT

1. Disconnect seatback power return control unit connector.
2. Check continuity between seatback power return control unit harness connector and sector gear position limit switch (driver side) harness connector.

Seatback power return control unit		Sector gear position limit switch (driver side)		Continuity
Connector	Terminal	Connector	Terminal	
B414	20	B420	1	Yes

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

Seatback power return control unit		Ground	Continuity
Connector	Terminal		
B414	20		No

Is the inspection result normal?

YES >> Replace seatback power return control unit. Refer to [SE-159, "Exploded View"](#).

NO >> Repair or replace harness.

### 3. CHECK SECTOR GEAR POSITION LIMIT SWITCH (DRIVER SIDE) GROUND CIRCUIT

1. Disconnect seatback power return control unit connector and seatback angle limit switch (driver side) connector.
2. Check continuity between seatback power return control unit harness connector and sector gear position limit switch (driver side) harness connector.

Seatback power return control unit		Sector gear position limit switch (driver side)		Continuity
Connector	Terminal	Connector	Terminal	
B414	26	B420	2	Yes

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

Seatback power return control unit		Ground	Continuity
Connector	Terminal		
B414	26		No

Is the inspection result normal?

# SECTOR GEAR POSITION LIMIT SWITCH

## < DTC/CIRCUIT DIAGNOSIS >

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

### 4. CHECK SECTOR GEAR POSITION LIMIT SWITCH (DRIVER SIDE)

Check sector gear position limit switch (driver side).

Refer to [SE-92. "Component Inspection"](#).

Is the inspection result normal?

- YES >> GO TO 5.  
 NO >> Replace sector gear position limit switch (driver side). Refer to [SE-159. "Exploded View"](#).

### 5. CHECK INTERMITTENT INCIDENT

Refer to [GI-53. "Intermittent Incident"](#).

>> Inspection End.

## PASSENGER SIDE

### PASSENGER SIDE : Diagnosis Procedure

INFOID:000000009760256

### 1. CHECK SECTOR GEAR POSITION LIMIT SWITCH INPUT SIGNAL

- Turn ignition switch OFF.
- Disconnect sector gear position limit switch (passenger side) connector.
- Check voltage between sector gear position limit switch (passenger side) connector and ground.

(+)		(-)	Voltage (V)
Sector gear position limit switch (passenger side)			
Connector	Terminal		
B418	1	Ground	Battery voltage

#### NOTE:

It is not low electric power consumption mode.

Is the inspection result normal?

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

### 2. CHECK SECTOR GEAR POSITION LIMIT SWITCH (PASSENGER SIDE) SIGNAL CIRCUIT

- Disconnect seatback power return control unit connector.
- Check continuity between seatback power return control unit harness connector and sector gear position limit switch (passenger side) harness connector.

Seatback power return control unit		Sector gear position limit switch (passenger side)		Continuity
Connector	Terminal	Connector	Terminal	
B414	19	B418	1	Yes

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

Seatback power return control unit		Ground	Continuity
Connector	Terminal		
B414	19		No

Is the inspection result normal?

- YES >> Replace seatback power return control unit. Refer to [SE-159. "Exploded View"](#).  
 NO >> Repair or replace harness.

### 3. CHECK SECTOR GEAR POSITION LIMIT SWITCH (PASSENGER SIDE) GROUND CIRCUIT

- Disconnect seatback power return control unit connector and seatback angle limit switch (passenger side) connector.

## SECTOR GEAR POSITION LIMIT SWITCH

### < DTC/CIRCUIT DIAGNOSIS >

2. Check continuity between seatback power return control unit harness connector and sector gear position limit switch (passenger side) harness connector.

Seatback power return control unit		Sector gear position limit switch (passenger side)		Continuity
Connector	Terminal	Connector	Terminal	
B414	18	B418	2	Yes

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

Seatback power return control unit		Ground	Continuity
Connector	Terminal		
B414	18		No

Is the inspection result normal?

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

### 4. CHECK SECTOR GEAR POSITION LIMIT SWITCH (PASSENGER SIDE)

Check sector gear position limit switch (passenger side).

Refer to [SE-92. "Component Inspection"](#).

Is the inspection result normal?

- YES >> GO TO 5.  
 NO >> Replace sector gear position limit switch (passenger side). Refer to [SE-159. "Exploded View"](#).

### 5. CHECK INTERMITTENT INCIDENT

Refer to [GI-53. "Intermittent Incident"](#).

>> Inspection End.

## Component Inspection

INFOID:000000009760257

### COMPONENT INSPECTION

#### 1. CHECK SECTOR GEAR POSITION LIMIT SWITCH

1. Turn ignition switch OFF.
2. Disconnect sector gear position limit switch connector.
3. Check sector gear position limit switch terminals under the following conditions.

Terminal		Condition	Continuity	
1	2			
1	2	Sector gear position limit switch	While being pressed	Yes
			Other than the above	No

Is the inspection result normal?

- YES >> Inspection End.  
 NO >> Replace sector gear limit switch. Refer to [SE-159. "Exploded View"](#).

# POWER RETURN MOTOR

< DTC/CIRCUIT DIAGNOSIS >

## POWER RETURN MOTOR

LH

LH : Diagnosis Procedure

INFOID:000000009760258

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

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

(+)		(-)	Condition	Voltage (V)	
Power return motor assembly (LH)					
Connector	Terminal				
B415	1	Ground	Power return motor assembly (LH)	Reverse operation	Battery voltage
	6			Other than the above	0 – 0.5
				Return operation	Battery voltage
					Other than the above

Is the inspection result normal?

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

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

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

Seatback power return control unit		Power return motor assembly (LH)		Continuity
Connector	Terminal	Connector	Terminal	
B412	4	B415	1	Yes
	14		6	

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

Seatback power return control unit		Ground	Continuity
Connector	Terminal		
B412	4		No
	14		

Is the inspection result normal?

- YES >> Replace seatback power return control unit. Refer to [SE-159, "Exploded View"](#).  
NO >> Repair or replace harness.

### 3. CHECK INTERMITTENT INCIDENT

Check intermittent incident. Refer to [GI-53, "Intermittent Incident"](#).

Is the inspection result normal?

- YES >> Replace power return motor assembly (LH). Refer to [SE-159, "Exploded View"](#).  
NO >> Repair or replace harness.

RH

RH : Diagnosis Procedure

INFOID:000000009760259

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

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

# POWER RETURN MOTOR

## < DTC/CIRCUIT DIAGNOSIS >

(+)		(-)	Condition	Voltage (V)	
Power return motor assembly (RH)					
Connector	Terminal				
B417	1	Ground	Power return motor assembly (RH)	Reverse operation	Battery voltage
				Other than the above	0 – 0.5
	6			Return operation	Battery voltage
				Other than the above	0 – 0.5

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

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

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

Seatback power return control unit		Power return motor assembly (RH)		Continuity
Connector	Terminal	Connector	Terminal	
B412	2	B417	1	Yes
	6		6	

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

Seatback power return control unit		Ground	Continuity
Connector	Terminal		
B412	2		
	6		

Is the inspection result normal?

YES >> Replace seatback power return control unit. Refer to [SE-159, "Exploded View"](#).

NO >> Repair or replace harness.

### 3. CHECK INTERMITTENT INCIDENT

Check intermittent incident. Refer to [GI-53, "Intermittent Incident"](#).

Is the inspection result normal?

YES >> Replace power return motor assembly (RH). Refer to [SE-159, "Exploded View"](#).

NO >> Repair or replace harness.

# MOTOR SENSOR

< DTC/CIRCUIT DIAGNOSIS >

## MOTOR SENSOR

LH

LH : Diagnosis Procedure

INFOID:000000009760260

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

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

(+)		(-)	Condition	Voltage (V)
Power return motor assembly (LH)				
Connector	Terminal			
B415	2	Ground	When power return motor (LH) is operated	Battery voltage

Is the inspection result normal?

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

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

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

Seatback power return control unit		Power return motor assembly (LH)		Continuity
Connector	Terminal	Connector	Terminal	
B412	3	B415	2	Yes

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

Seatback power return control unit		Ground	Continuity
Connector	Terminal		
B412	3		No

Is the inspection result normal?

- YES >> Replace seatback power return control unit. Refer to [SE-159. "Exploded View"](#).  
NO >> Repair or replace harness.

### 3. CHECK MOTOR SENSOR (LH) GROUND CIRCUIT

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

Seatback power return control unit		Power return motor assembly (LH)		Continuity
Connector	Terminal	Connector	Terminal	
B412	16	B415	5	Yes

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

Seatback power return control unit		Ground	Continuity
Connector	Terminal		
B412	16		No

Is the inspection result normal?

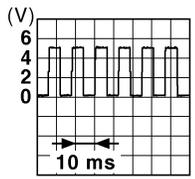
- YES >> GO TO 4.  
NO >> Repair or replace harness.

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

# MOTOR SENSOR

## < DTC/CIRCUIT DIAGNOSIS >

1. Connect seatback power return control unit connector.
2. Check signal between seatback power return control unit harness connector and ground with an oscilloscope.

(+)		(-)	Condition	Signal (Reference value)
Seatback power return control unit Connector	Terminal			
B412	15	Ground	During the power return motor (LH) operation	 <p style="text-align: right; font-size: small;">JMKIA0070GB</p>
			When pinching of seatback occurs	The above pulse width should be expanded

### Is the inspection result normal?

- YES >> GO TO 6.  
NO >> GO TO 5.

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

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

Seatback power return control unit		Power return motor assembly (LH)		Continuity
Connector	Terminal	Connector	Terminal	
B412	15	B415	4	Yes

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

Seatback power return control unit		Ground	Continuity
Connector	Terminal		
B412	15		No

### Is the inspection result normal?

- YES >> Replace power return motor assembly (LH). Refer to [SE-159, "Exploded View"](#).  
NO >> Repair or replace harness.

## 6. CHECK INTERMITTENT INCIDENT

Refer to [GI-53, "Intermittent Incident"](#).

>> Inspection End.

RH

## RH : Diagnosis Procedure

INFOID:000000009760261

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

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

# MOTOR SENSOR

## < DTC/CIRCUIT DIAGNOSIS >

(+)		(-)	Condition	Voltage (V)
Power return motor assembly (RH)				
Connector	Terminal			
B417	2	Ground	When power return motor (RH) is operated	Battery voltage

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

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

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

Seatback power return control unit		Power return motor assembly (RH)		Continuity
Connector	Terminal	Connector	Terminal	
B412	1	B417	2	Yes

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

Seatback power return control unit		Ground	Continuity
Connector	Terminal		
B412	1		No

Is the inspection result normal?

YES >> Replace seatback power return control unit. Refer to [SE-159. "Exploded View"](#).

NO >> Repair or replace harness.

### 3. CHECK MOTOR SENSOR (RH) GROUND CIRCUIT

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

Seatback power return control unit		Power return motor assembly (RH)		Continuity
Connector	Terminal	Connector	Terminal	
B412	8	B417	5	Yes

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

Seatback power return control unit		Ground	Continuity
Connector			
B412	8		No

Is the inspection result normal?

YES >> GO TO 4.

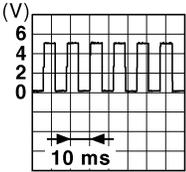
NO >> Repair or replace harness.

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

1. Connect seatback power return control unit connector.
2. Check signal between seatback power return control unit harness connector and ground with an oscilloscope.

# MOTOR SENSOR

## < DTC/CIRCUIT DIAGNOSIS >

(+)		(-)	Condition	Signal (Reference value)
Seatback power return control unit				
Connector	Terminal			
B412	7	Ground	During the power return motor (RH) operation	 JMKIA0070GB
			When pinching seatback occurs	

Is the inspection result normal?

YES >> GO TO 6.

NO >> GO TO 5.

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

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

Seatback power return control unit		Power return motor assembly (RH)		Continuity
Connector	Terminal	Connector	Terminal	
B412	7	B417	4	Yes

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

Seatback power return control unit		Ground	Continuity
Connector	Terminal		
B412	7		No

Is the inspection result normal?

YES >> Replace power return motor assembly (RH). Refer to [SE-159. "Exploded View"](#).

NO >> Repair or replace harness.

### 6. CHECK INTERMITTENT INCIDENT

Refer to [GI-53. "Intermittent Incident"](#).

>> Inspection End.

# CLIMATE CONTROLLED SEAT SYSTEM

< SYMPTOM DIAGNOSIS >

## SYMPTOM DIAGNOSIS

### CLIMATE CONTROLLED SEAT SYSTEM

#### Symptom Table

INFOID:000000009133794

Symptom		Inspection item
Climate controlled seat inoperative.		Power supply and ground circuit Refer to <a href="#">SE-62, "CLIMATE CONTROLLED SEAT CONTROL UNIT : Diagnosis Procedure"</a> .
Climate controlled seat blower motor inoperative.		Climate controlled seat blower motor Refer to <a href="#">SE-78, "Diagnosis Procedure"</a> .
Seat cushion thermal electric device inoperative.		Seat cushion thermal electric device Refer to <a href="#">SE-74, "Diagnosis Procedure"</a> .
Seatback thermal electric device inoperative.		Seatback thermal electric device Refer to <a href="#">SE-70, "Diagnosis Procedure"</a> .
Climate controlled seat switch LO, MED or HI inoperative.		Climate controlled seat switch Refer to <a href="#">SE-67, "Diagnosis Procedure"</a> .
Climate controlled seat switch indicator inoperative.		Climate controlled seat switch indicator Refer to <a href="#">SE-81, "Diagnosis Procedure"</a> .
Climate controlled seat turns off too soon.	Climate controlled seat switch indicator turns off within 10 seconds of turning on.	Malfunction caused by electrical issue. Check the following: <ul style="list-style-type: none"> <li>• Connectors for physical damage or loose terminals.</li> <li>• Seat cushion thermal electric device. Refer to <a href="#">SE-74, "Diagnosis Procedure"</a>.</li> <li>• Seatback thermal electric device. Refer to <a href="#">SE-70, "Diagnosis Procedure"</a>.</li> <li>• Climate controlled seat blower motor. Refer to <a href="#">SE-78, "Diagnosis Procedure"</a>.</li> </ul>
	Climate controlled seat switch indicator turns off 30 seconds or more after turning on.	Malfunction caused by mechanical issue. Check the following: <ul style="list-style-type: none"> <li>• Foam seat pads not aligned for thermal electric device outlet.</li> <li>• Thermal electric device ducting restricted or disconnected.</li> <li>• Climate controlled seat blower motor inlet restricted.</li> </ul>

# THIRD ROW SEATBACK POWER RETURN SYSTEM

< SYMPTOM DIAGNOSIS >

## THIRD ROW SEATBACK POWER RETURN SYSTEM

### Symptom Table

INFOID:000000009760295

Symptom		Inspection item
Seatback power return system does not operate.	Both sides.	Power supply and ground circuit Refer to <a href="#">SE-65, "SEATBACK POWER RETURN CONTROL UNIT : Diagnosis Procedure"</a> .
	One side.	<ul style="list-style-type: none"> <li>• Rear seatback switch. Refer to <a href="#">SE-84, "DRIVER SIDE : Diagnosis Procedure"</a> (driver side) or <a href="#">SE-85, "PASSENGER SIDE : Diagnosis Procedure"</a> (passenger side).</li> <li>• Power return motor. Refer to <a href="#">SE-93, "LH : Diagnosis Procedure"</a> (LH) or <a href="#">SE-93, "RH : Diagnosis Procedure"</a> (RH).</li> <li>• Seatback angle limit switch. Refer to <a href="#">SE-87, "DRIVER SIDE : Diagnosis Procedure"</a> (driver side) or <a href="#">SE-88, "PASSENGER SIDE : Diagnosis Procedure"</a> (passenger side).</li> </ul>
Seatback does not return but malfunction detection buzzer sounds.		<ul style="list-style-type: none"> <li>• Sector gear position limit switch. Refer to <a href="#">SE-90, "DRIVER SIDE : Diagnosis Procedure"</a> (driver side) or <a href="#">SE-91, "PASSENGER SIDE : Diagnosis Procedure"</a> (passenger side).</li> <li>• Motor sensor. Refer to <a href="#">SE-95, "LH : Diagnosis Procedure"</a> (LH) or <a href="#">SE-96, "RH : Diagnosis Procedure"</a> (RH).</li> </ul>
Malfunction detection buzzer sounds during power return motor inverse rotation.		<ul style="list-style-type: none"> <li>• Seatback angle limit switch. Refer to <a href="#">SE-87, "DRIVER SIDE : Diagnosis Procedure"</a> (driver side) or <a href="#">SE-88, "PASSENGER SIDE : Diagnosis Procedure"</a> (passenger side).</li> <li>• Sector gear position limit switch. Refer to <a href="#">SE-90, "DRIVER SIDE : Diagnosis Procedure"</a> (driver side) or <a href="#">SE-91, "PASSENGER SIDE : Diagnosis Procedure"</a> (passenger side).</li> <li>• Power return motor. Refer to <a href="#">SE-93, "LH : Diagnosis Procedure"</a> (LH) or <a href="#">SE-93, "RH : Diagnosis Procedure"</a> (RH).</li> </ul>

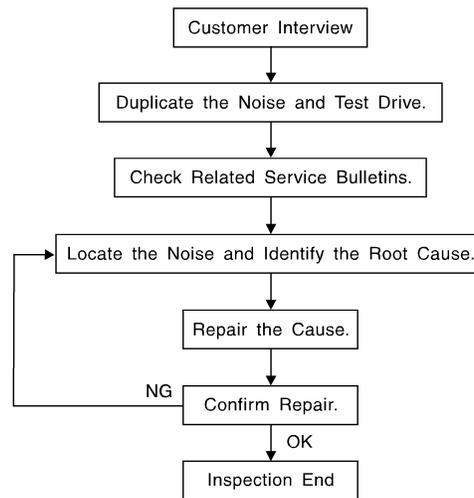
# SQUEAK AND RATTLE TROUBLE DIAGNOSES

< SYMPTOM DIAGNOSIS >

## SQUEAK AND RATTLE TROUBLE DIAGNOSES

### Work Flow

INFOID:00000009763630



SBT842

### 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 customer's comments; refer to [SE-105, "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, be sure to diagnose and repair the noise that the customer is concerned about. This can be accomplished by test driving 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 bumble bee)  
Buzz characteristics include high frequency rattle/firm contact.
- Often the degree of acceptable noise level will vary depending upon the person. A noise that you may judge as acceptable may be very irritating to the customer.
- Weather conditions, especially humidity and temperature, may have a great effect on noise level.

### DUPLICATE THE NOISE AND TEST DRIVE

If possible, drive the vehicle with the customer until the noise is duplicated. Note any additional information on the Diagnostic Worksheet regarding the conditions or location of the noise. This information can be used to duplicate the same conditions when you confirm the repair.

# SQUEAK AND RATTLE TROUBLE DIAGNOSES

## < SYMPTOM DIAGNOSIS >

If the noise can be duplicated easily during the test drive, to help identify the source of the noise, try to duplicate the noise with the vehicle stopped by doing one or all of the following:

- 1) Close a door.
  - 2) Tap or push/pull around the area where the noise appears to be coming from.
  - 3) Rev the engine.
  - 4) Use a floor jack to recreate vehicle "twist".
  - 5) At idle, apply engine load (electrical load, half-clutch on M/T model, drive position on CVT and 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: J-39565 and mechanic's stethoscope).
2. Narrow down the noise to a more specific area and identify the cause of the noise by:
  - removing the components in the area that you suspect the noise is coming from.  
Do not use too much force when removing clips and fasteners, otherwise clips and fasteners can be broken or lost during the repair, resulting in the creation of new noise.
  - tapping or pushing/pulling the component that you suspect is causing the noise.  
Do not tap or push/pull the component with excessive force, otherwise the noise will be eliminated only temporarily.
  - feeling for a vibration with your hand by touching the component(s) that you suspect is (are) causing the noise.
  - placing a piece of paper between components that you suspect are causing the noise.
  - looking for loose components and contact marks.Refer to [SE-102. "Generic Squeak and Rattle Troubleshooting"](#).

## 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 INFINITI Squeak and Rattle Kit (J-50397) is available through your authorized INFINITI Parts Department.

### **CAUTION:**

**Do not use excessive force as many components are constructed of plastic and may be damaged.**

### **NOTE:**

- Always check with the Parts Department for the latest parts information.
- The materials contained in the INFINITI Squeak and Rattle Kit (J-50397) are listed on the inside cover of the kit; and can each be ordered separately as needed.
- The following materials not found in the kit can also be used to repair squeaks and rattles.
  - SILICONE GREASE: Use instead of UHMW tape that will be visible or does not fit. The silicone grease will only last a few months.
  - SILICONE SPRAY: Use when grease cannot be applied.
  - DUCT TAPE: Use to eliminate movement.

## CONFIRM THE REPAIR

Confirm that the cause of a noise is repaired by test driving the vehicle. Operate the vehicle under the same conditions as when the noise originally occurred. Refer to the notes on the Diagnostic Worksheet.

## Generic Squeak and Rattle Troubleshooting

INFOID:000000009763631

Refer to Table of Contents for specific component removal and installation information.

## INSTRUMENT PANEL

Most incidents are caused by contact and movement between:

# SQUEAK AND RATTLE TROUBLE DIAGNOSES

## < SYMPTOM DIAGNOSIS >

1. Cluster lid A and the instrument panel
2. Acrylic lens and combination meter housing
3. Instrument panel to front pillar finisher
4. Instrument panel to windshield
5. Instrument panel 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 silicone spray (in hard to reach areas). Urethane pads can be used to insulate wiring harness.

### **CAUTION:**

**Do not use silicone spray to isolate a squeak or rattle. If you saturate the area with silicone, you will not be able to recheck the repair.**

## CENTER CONSOLE

Components to pay attention to include:

1. Shift selector assembly cover to finisher
2. A/C control unit and cluster lid C
3. Wiring harnesses behind audio and A/C control unit

The instrument panel repair and isolation procedures also apply to the center console.

## DOORS

Pay attention to the:

1. Finisher and inner panel making a slapping noise
2. Inside handle escutcheon to door finisher
3. Wiring harnesses tapping
4. Door striker out of alignment causing a popping noise on starts and stops

Tapping or moving the components or pressing on them while driving to duplicate the conditions can isolate many of these incidents. You can usually insulate the areas with felt cloth tape or insulator foam blocks from the INFINITI Squeak and Rattle Kit (J-50397) to repair the noise.

## TRUNK

Trunk noises are often caused by a loose jack or loose items put into the trunk by the owner.

In addition look for:

1. Trunk lid bumpers 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

Most of these incidents can be repaired by adjusting, securing or insulating the item(s) or component(s) causing the noise.

## SUNROOF/HEADLINING

Noises in the sunroof/headlining area can often be traced to one of the following:

1. Sunroof lid, rail, linkage or seals making a rattle or light knocking noise
2. Sun visor shaft shaking in the holder
3. Front or rear windshield touching headliner and squeaking

Again, pressing on the components to stop the noise while duplicating the conditions can isolate most of these incidents. Repairs usually consist of insulating with felt cloth tape.

## OVERHEAD CONSOLE (FRONT AND REAR)

Overhead console noises are often caused by the console panel clips not being engaged correctly. Most of these incidents are repaired by pushing up on the console at the clip locations until the clips engage.

In addition look for:

1. Loose harness or harness connectors.
2. Front console map/reading lamp lens loose.

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# SQUEAK AND RATTLE TROUBLE DIAGNOSES

## < SYMPTOM DIAGNOSIS >

---

3. Loose screws at console attachment points.

### SEATS

When isolating seat noise it's important to note the position the seat is in and the load placed on the seat when the noise is present. These conditions should be duplicated when verifying and isolating the cause of the noise.

Cause of seat noise include:

1. Headrest rods and holder
2. A squeak between the seat pad cushion and frame
3. The rear seatback lock and bracket

These noises can be isolated by moving or pressing on the suspected components while duplicating the conditions under which the noise occurs. Most of these incidents can be repaired by repositioning the component or applying urethane tape to the contact area.

### UNDERHOOD

Some interior noise may be caused by components under the hood or on the engine wall. The noise is then transmitted into the passenger compartment.

Causes of transmitted underhood noise include:

1. Any component installed to the engine wall
2. Components that pass through the engine wall
3. Engine wall mounts and connectors
4. Loose radiator installation pins
5. Hood bumpers out of adjustment
6. Hood striker out of adjustment

These noises can be difficult to isolate since they cannot be reached from the interior of the vehicle. The best method is to secure, move or insulate one component at a time and test drive the vehicle. Also, engine rpm or load can be changed to isolate the noise. Repairs can usually be made by moving, adjusting, securing, or insulating the component causing the noise.

# SQUEAK AND RATTLE TROUBLE DIAGNOSES

< SYMPTOM DIAGNOSIS >

## Diagnostic Worksheet

INFOID:000000009763632

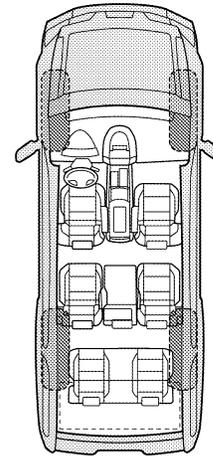
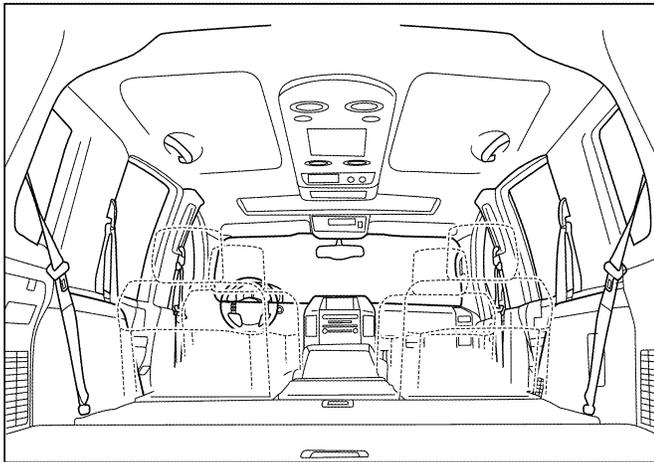
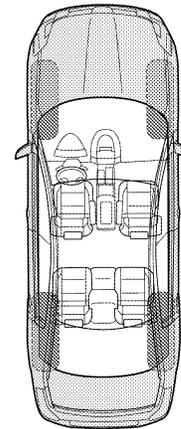
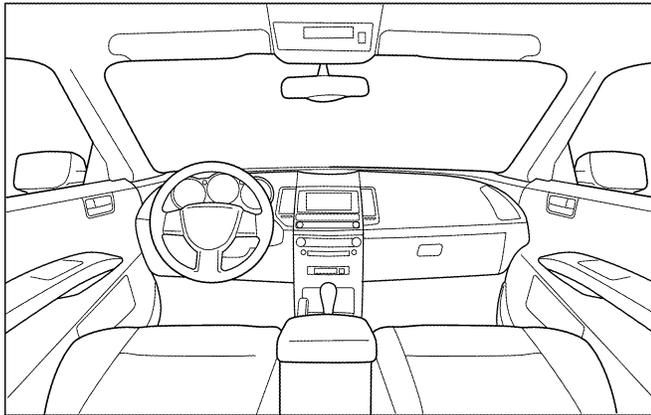
Dear Customer:

We are concerned about your satisfaction with your vehicle. Repairing a squeak or rattle sometimes can be very difficult. To help us fix your vehicle 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 advisor or technician to ensure we confirm the noise you are hearing.

### SQUEAK & RATTLE DIAGNOSTIC WORKSHEET

#### 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.

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# SQUEAK AND RATTLE TROUBLE DIAGNOSES

< SYMPTOM DIAGNOSIS >

## SQUEAK & RATTLE DIAGNOSTIC WORKSHEET - page 2

Briefly describe the location where the noise occurs:

\_\_\_\_\_

\_\_\_\_\_

### II. WHEN DOES IT OCCUR? (please check the boxes that apply)

- |                                                       |                                                        |
|-------------------------------------------------------|--------------------------------------------------------|
| <input type="checkbox"/> Anytime                      | <input type="checkbox"/> After sitting out in the rain |
| <input type="checkbox"/> 1st time in the morning      | <input type="checkbox"/> When it is raining or wet     |
| <input type="checkbox"/> Only when it is cold outside | <input type="checkbox"/> Dry or dusty conditions       |
| <input type="checkbox"/> Only when it is hot outside  | <input type="checkbox"/> Other:                        |

### III. WHEN DRIVING:

- Through driveways
- Over rough roads
- Over speed bumps
- Only about \_\_\_\_ mph
- On acceleration
- Coming to a stop
- On turns: left, right or either (circle)
- With passengers or cargo
- Other: \_\_\_\_\_
- After driving \_\_\_\_ miles or \_\_\_\_ minutes

### IV. WHAT TYPE OF NOISE

- Squeak (like tennis shoes on a clean floor)
- Creak (like walking on an old wooden floor)
- Rattle (like shaking a baby rattle)
- Knock (like a knock at the door)
- Tick (like a clock second hand)
- Thump (heavy muffled knock noise)
- Buzz (like a bumble bee)

### TO BE COMPLETED BY DEALERSHIP PERSONNEL

Test Drive Notes:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

	YES	NO	Initials of person performing
Vehicle test driven with customer	<input type="checkbox"/>	<input type="checkbox"/>	_____
- Noise verified on test drive	<input type="checkbox"/>	<input type="checkbox"/>	_____
- Noise source located and repaired	<input type="checkbox"/>	<input type="checkbox"/>	_____
- Follow up test drive performed to confirm repair	<input type="checkbox"/>	<input type="checkbox"/>	_____

VIN: \_\_\_\_\_ Customer Name \_\_\_\_\_

W.O.# \_\_\_\_\_ Date: \_\_\_\_\_

This form must be attached to Work Order

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# FRONT SEAT

< REMOVAL AND INSTALLATION >

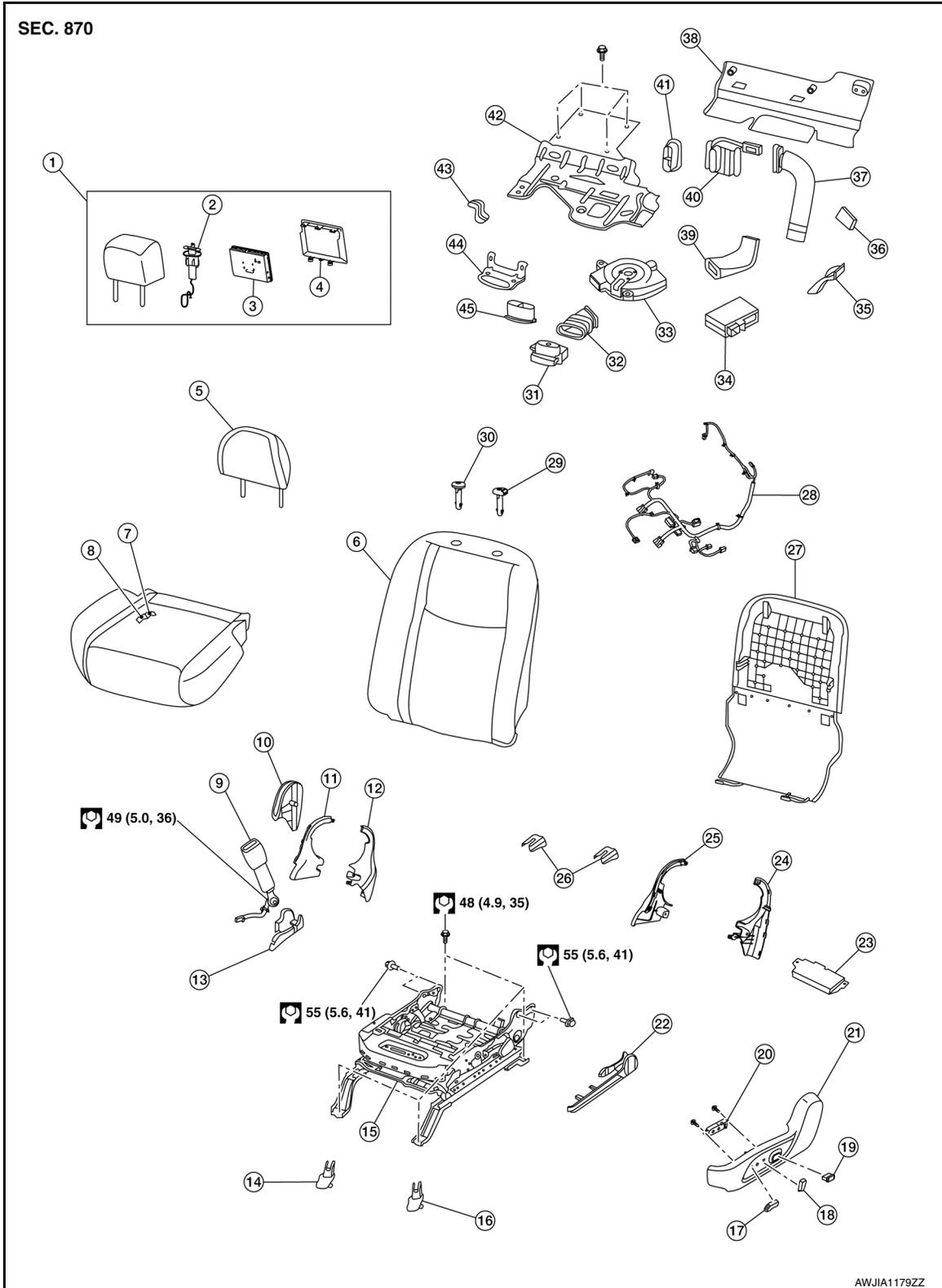
## REMOVAL AND INSTALLATION

### FRONT SEAT

Exploded View

INFOID:000000009716071

#### DRIVER SEAT WITH CLIMATE CONTROL



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## FRONT SEAT

### < REMOVAL AND INSTALLATION >

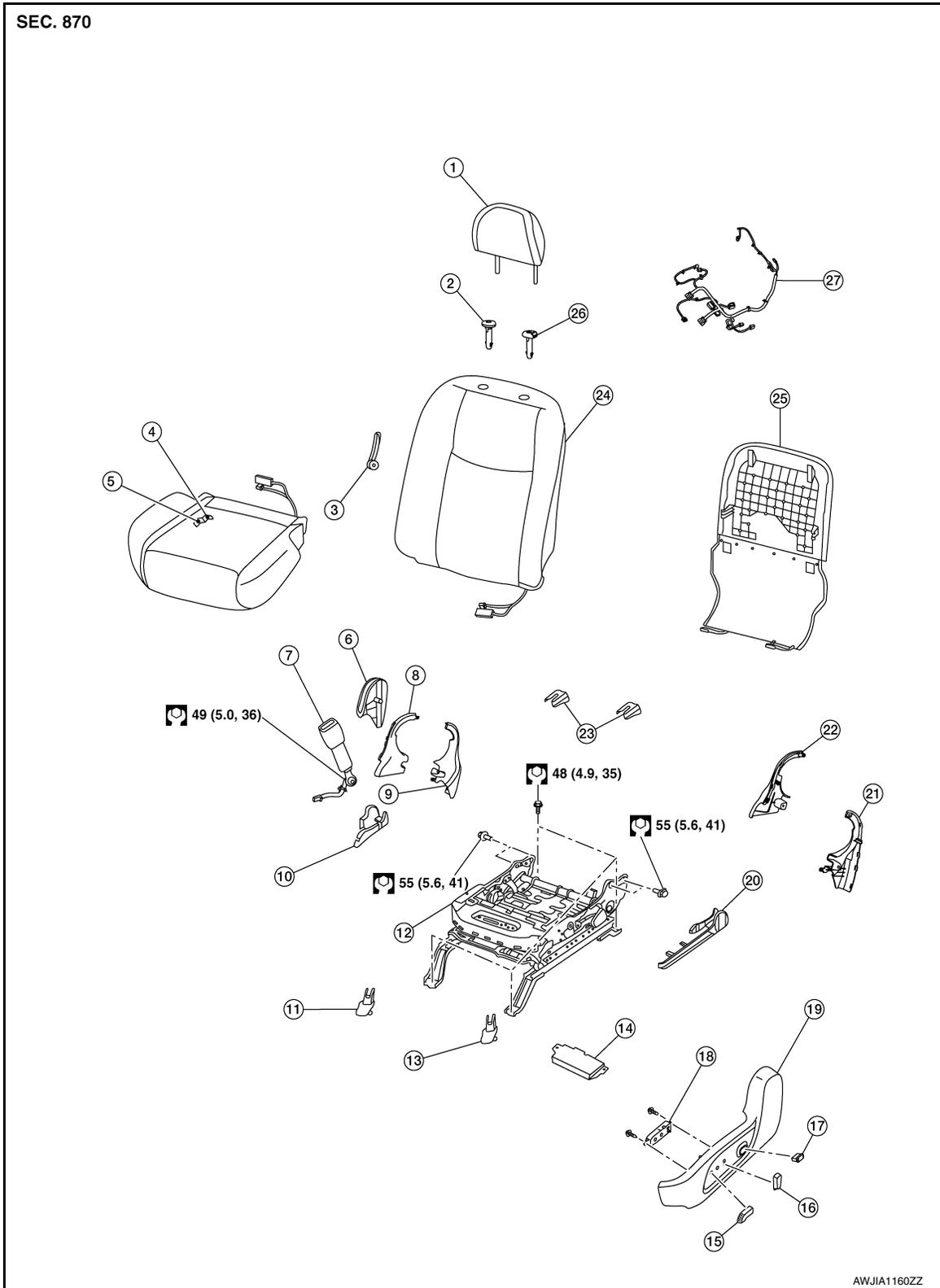
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- |                                              |                                              |                                             |
|----------------------------------------------|----------------------------------------------|---------------------------------------------|
| 1. Headrest assembly with display unit       | 2. Harness protector                         | 3. Headrest display unit                    |
| 4. Headrest display unit finisher            | 5. Headrest without display unit             | 6. Seatback assembly                        |
| 7. Seat cushion trim                         | 8. Seat cushion pad                          | 9. Seat belt buckle                         |
| 10. Seat cushion outer finisher (RH)         | 11. Seat cushion inner finisher (RH) (front) | 12. Seat cushion inner finisher (RH) (rear) |
| 13. Slide finisher outer (RH)                | 14. Front slide finisher (RH)                | 15. Seat frame assembly                     |
| 16. Front slide finisher (LH)                | 17. Seat slide knob                          | 18. Seat recline knob                       |
| 19. Lumbar support switch                    | 20. Power seat switch                        | 21. Seat cushion outer finisher (LH)        |
| 22. Slide finisher outer (LH)                | 23. Driver seat control unit                 | 24. Seat cushion inner finisher (LH) (rear) |
| 25. Seat cushion inner finisher (LH) (front) | 26. Rear slide finisher                      | 27. Seatback board                          |
| 28. Seat harness                             | 29. Headrest holder (locked)                 | 30. Headrest holder (free)                  |
| 31. Seat cushion thermal electric device     | 32. Lower blower duct                        | 33. Blower motor with filter                |
| 34. Climate controlled seat control unit     | 35. Thermal electric device clip             | 36. Upper blower duct clip                  |
| 37. Upper blower duct                        | 38. Lower rear cover                         | 39. Angle duct                              |
| 40. Seatback thermal electric device         | 41. Thermal electric device nozzle           | 42. Blower motor bracket                    |
| 43. Thermal electric device harness bracket  | 44. Thermal electric device bracket          | 45. Thermal electric device nozzle          |

# FRONT SEAT

< REMOVAL AND INSTALLATION >

## DRIVER SEAT WITHOUT CLIMATE CONTROL



- |                               |                                             |                                            |
|-------------------------------|---------------------------------------------|--------------------------------------------|
| 1. Headrest                   | 2. Headrest holder (free)                   | 3. Lumbar lever (if equipped)              |
| 4. Seat cushion trim          | 5. Seat cushion pad                         | 6. Seat cushion outer finisher (RH)        |
| 7. Seat belt buckle           | 8. Seat cushion inner finisher (RH) (front) | 9. Seat cushion inner finisher (RH) (rear) |
| 10. Slide finisher outer (RH) | 11. Front slide finisher (RH)               | 12. Seat frame assembly                    |
| 13. Front slide finisher (LH) | 14. Driver seat control unit (if equipped)  | 15. Seat slide knob                        |

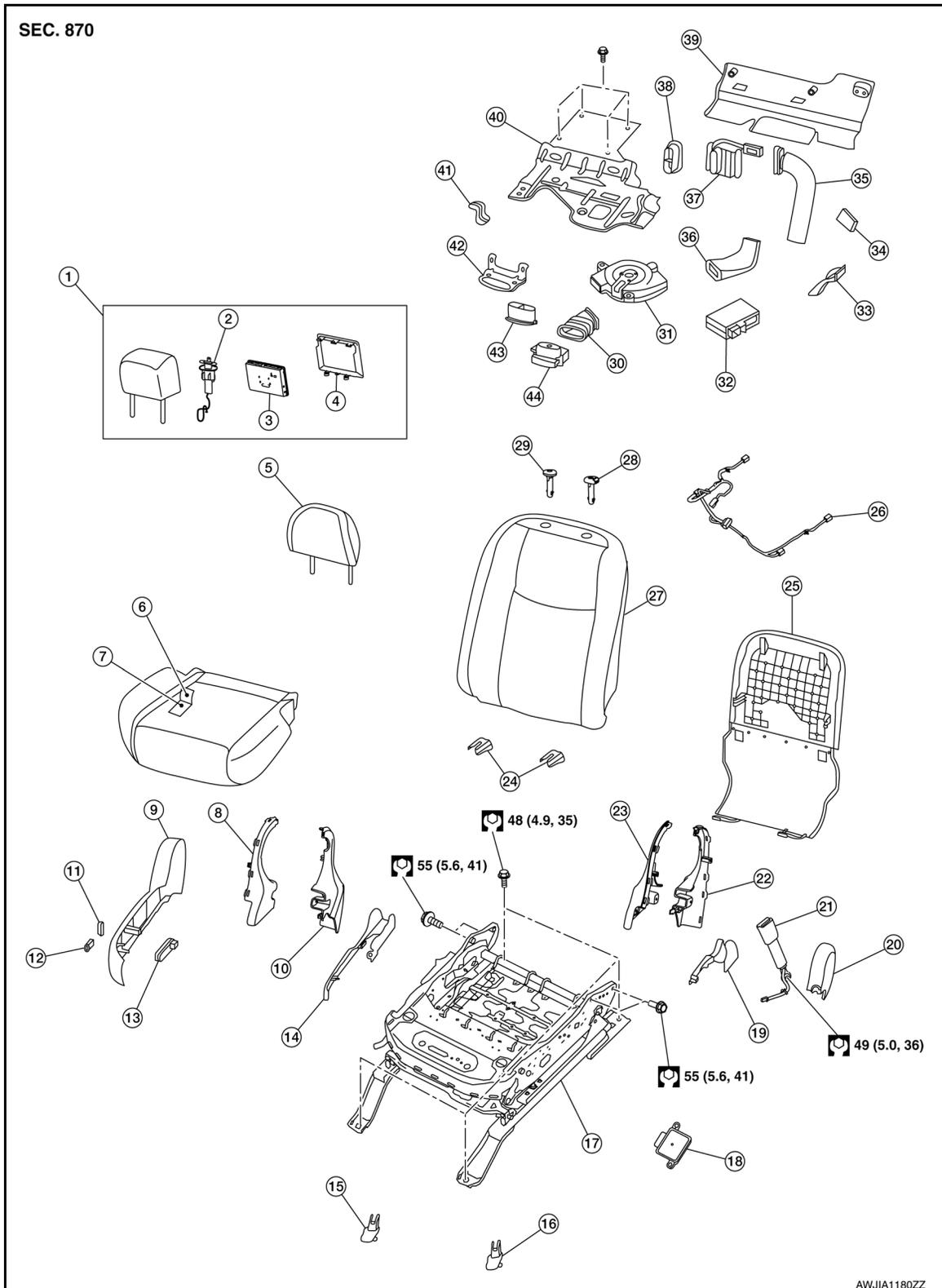
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# FRONT SEAT

## < REMOVAL AND INSTALLATION >

- |                                              |                                         |                                             |
|----------------------------------------------|-----------------------------------------|---------------------------------------------|
| 16. Seat recline knob                        | 17. Lumbar support switch (if equipped) | 18. Power seat switch                       |
| 19. Seat cushion outer finisher (LH)         | 20. Slide finisher outer (LH)           | 21. Seat cushion inner finisher (LH) (rear) |
| 22. Seat cushion inner finisher (LH) (front) | 23. Rear slide finisher                 | 24. Seatback assembly                       |
| 25. Seatback board                           | 26. Headrest holder (locked)            | 27. Seat harness                            |

### PASSENGER SEAT WITH CLIMATE CONTROL



# FRONT SEAT

## < REMOVAL AND INSTALLATION >

1. Headrest assembly with display unit	2. Harness protector	3. Headrest display unit	A
4. Headrest display unit finisher	5. Headrest without display unit	6. Seat cushion trim	
7. Seat cushion pad	8. Seat cushion inner finisher (RH) (front)	9. Seat cushion outer finisher (RH)	B
10. Seat cushion inner finisher (RH) (rear)	11. Seat recline knob	12. Seat slide knob	
13. Power seat switch	14. Slide finisher outer (RH)	15. Front slide finisher (RH)	C
16. Front slide finisher (LH)	17. Seat frame assembly	18. Occupant Classification System control unit (except Mexico)	
19. Slide finisher outer (LH)	20. Seat cushion outer finisher (LH)	21. Seat belt buckle	D
22. Seat cushion inner finisher (LH) (rear)	23. Seat cushion inner finisher (LH) (front)	24. Rear slide finisher	
25. Seatback board	26. Seat harness	27. Seatback assembly	E
28. Headrest holder (locked)	29. Headrest holder (free)	30. Lower blower duct	
31. Blower motor with filter	32. Climate controlled seat control unit	33. Thermal electric device clip	
34. Upper blower duct clip	35. Upper blower duct	36. Angle duct	F
37. Seatback thermal electric device	38. Thermal electric device nozzle	39. Lower rear cover	
40. Thermal electric device bracket	41. Thermal electric device harness bracket	42. Blower motor bracket	G
43. Thermal electric device nozzle	44. Seat cushion thermal electric device		

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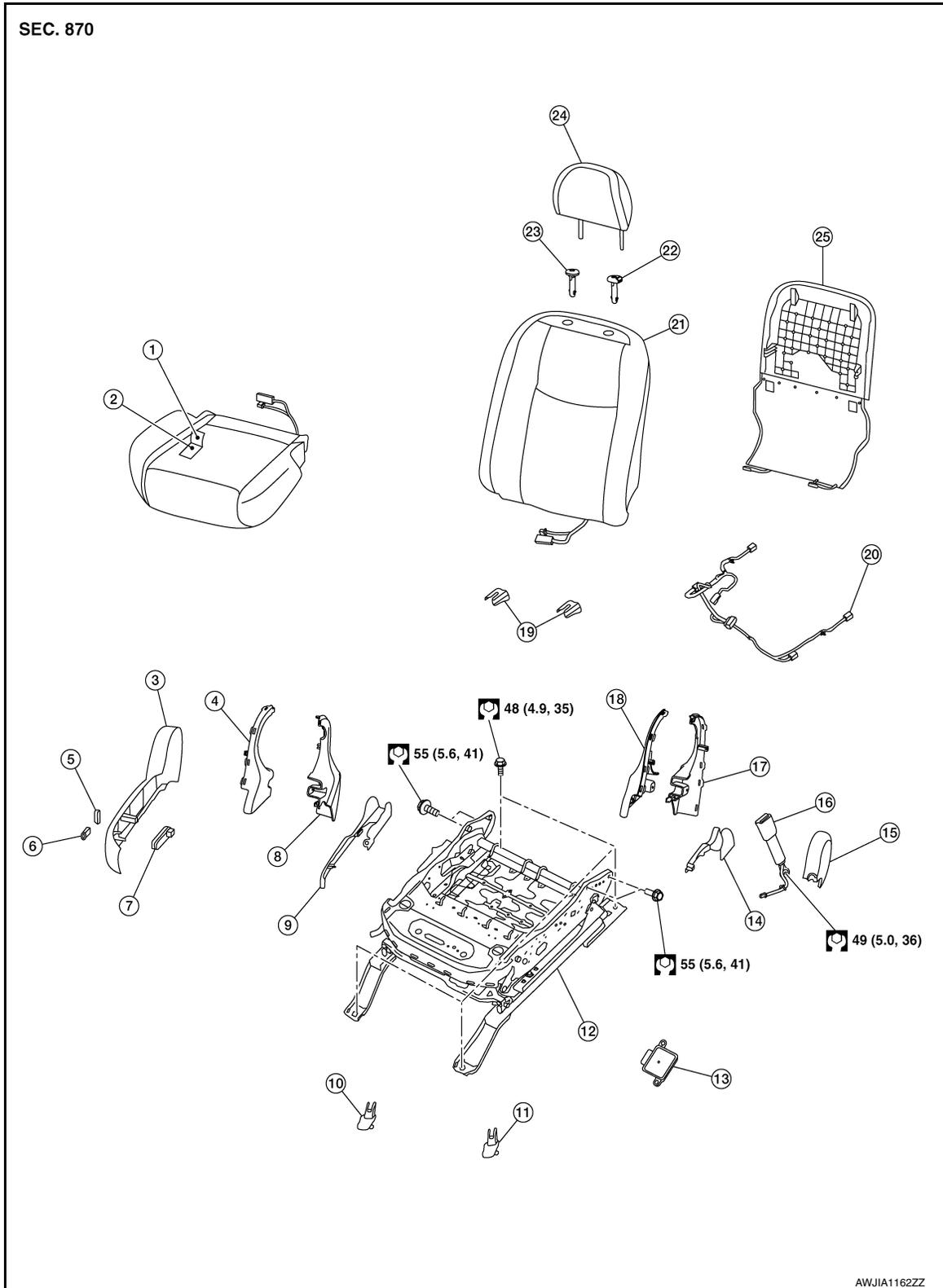
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# FRONT SEAT

< REMOVAL AND INSTALLATION >

## PASSENGER SEAT WITHOUT CLIMATE CONTROL



- |                                     |                                     |                                     |
|-------------------------------------|-------------------------------------|-------------------------------------|
| 1. Seat cushion trim                | 2. Seat cushion pad                 | 3. Seat cushion outer finisher (RH) |
| 4. Seat cushion inner finisher (RH) | 5. Seat recline knob                | 6. Seat slide knob                  |
| 7. Power seat switch                | 8. Seat cushion inner finisher (RH) | 9. Slide finisher outer (RH)        |
| 10. Front slide finisher (RH)       | 11. Front slide finisher (LH)       | 12. Seat frame assembly             |

# FRONT SEAT

## < REMOVAL AND INSTALLATION >

- |                                                                 |                                             |                                              |
|-----------------------------------------------------------------|---------------------------------------------|----------------------------------------------|
| 13. Occupant Classification System control unit (except Mexico) | 14. Slide finisher outer (LH)               | 15. Seat cushion outer finisher (LH)         |
| 16. Seat belt buckle                                            | 17. Seat cushion inner finisher (LH) (rear) | 18. Seat cushion inner finisher (LH) (front) |
| 19. Rear slide finisher                                         | 20. Seat harness                            | 21. Seatback assembly                        |
| 22. Headrest holder (locked)                                    | 23. Headrest holder (free)                  | 24. Headrest                                 |
| 25. Seatback board                                              |                                             |                                              |

## Removal and Installation

INFOID:000000009716072

### REMOVAL

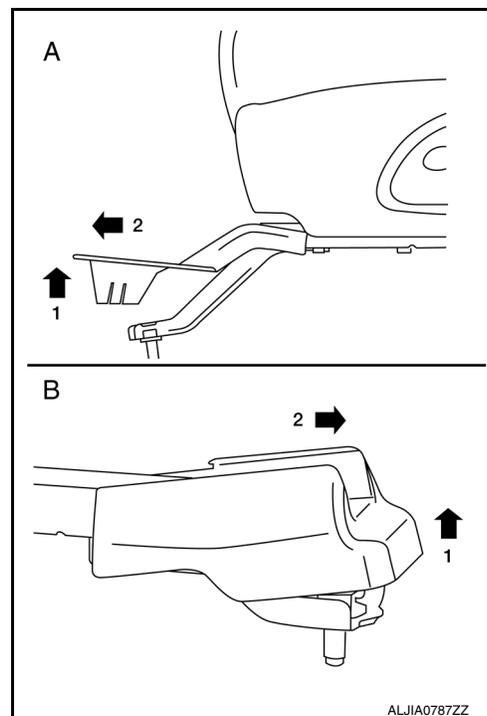
#### **WARNING:**

Do not leave any objects (screwdrivers, tools, etc.) on the seat during seatback repair. It can lead to personal injury if the side air bag module should accidentally deploy.

#### **CAUTION:**

- When removing or installing the seat trim, handle it carefully to keep dirt out and to avoid damage.
- When checking the power seat circuit for continuity using a circuit tester, do not confuse its connector with the side air bag module connector. Such an error may cause the air bag module to deploy.
- Do not drop, tilt, or bump the side air bag module while installing the seat. Always handle it with care.
- After front side air bag module inflates, the front seatback assembly must be replaced.
- When removing and installing the seat, use shop cloths to protect components from damage.
- Before removing the front seat, turn the ignition switch OFF, disconnect both battery cables then wait at least three minutes.

1. Slide the seat to the full rearward position.
2. Disconnect negative and positive battery terminals, then wait at least three minutes. Refer to [PG-93, "Removal and Installation"](#).
3. Disconnect the harness connector for side air bag module.
4. Remove the front slide finishers (LH/RH) (A) by lifting up and then pulling forward, then remove the seat front bolts.
5. Connect negative and positive battery terminals, then slide the seat to the full forward position. Refer to [PG-93, "Removal and Installation"](#).
6. Disconnect negative and positive battery terminals, then wait at least three minutes. Refer to [PG-93, "Removal and Installation"](#).
7. Remove the rear slide finishers (LH/RH) (B) by lifting up and then pulling rearward, then remove the seat rear bolts.



8. Tilt the seat rearward and disconnect the harness connectors from the seat.  
**NOTE:**  
Take note of harness routing and attachment locations for correct installation.
9. Remove the seat from the vehicle.

### INSTALLATION

## FRONT SEAT

### < REMOVAL AND INSTALLATION >

Installation is in the reverse order of removal.

#### WARNING:

- Perform additional services when installing front passenger seat (except Mexico). Refer to [SRC-42, "ADDITIONAL SERVICE WHEN REPLACING CONTROL UNIT : Description"](#).
- Zero point reset must be performed every time the front passenger seat is removed from the vehicle.
- Zero point reset is done after the front passenger seat is installed in vehicle and all bolts are tightened to specification.

#### CAUTION:

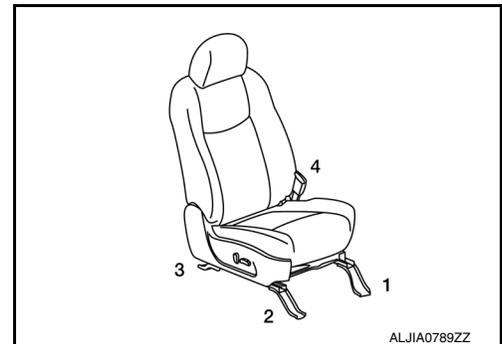
Make sure that the seat harness or the floor carpet is not damaged during installation.

#### NOTE:

- When installing the front seat (LH), tighten the bolts in the order shown.
- Tighten the seat bolts to specification. Refer to [SE-107, "Exploded View"](#).



- When installing the front seat (RH), tighten the bolts in the order shown.
- Tighten the seat bolts to specification. Refer to [SE-107, "Exploded View"](#).



## Seatback Board

INFOID:000000009716073

### REMOVAL

#### WARNING:

Do not leave any objects (screwdrivers, tools, etc.) on the seat during seatback repair. It can lead to personal injury if the side air bag module should accidentally deploy.

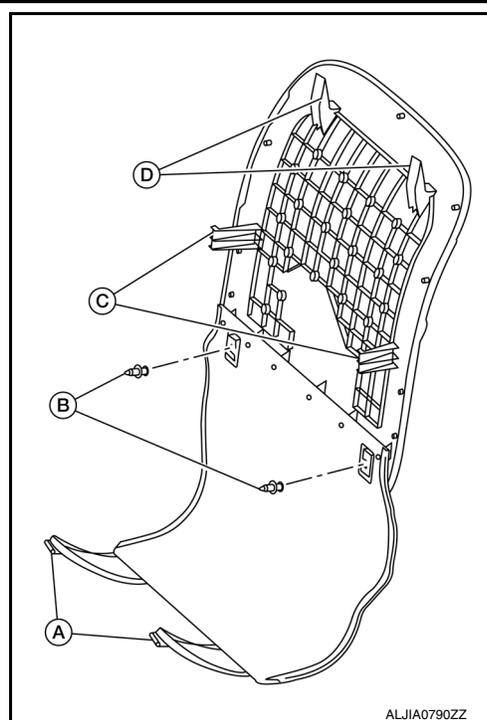
#### CAUTION:

- When removing or installing the seat trim, handle it carefully to keep dirt out and to avoid damage.
  - Before removing the front seat, turn the ignition switch OFF, disconnect both battery cables then wait at least three minutes.
1. Disconnect negative and positive battery terminals, then wait at least three minutes. Refer to [PG-93, "Removal and Installation"](#).

## FRONT SEAT

### < REMOVAL AND INSTALLATION >

2. Release the two J-hook retainers (A) from the seatback frame.
3. Release the seatback board lower clips (B).  
**CAUTION:**  
**Do not reuse seatback board lower clips.**
4. Reach behind the seatback board and press the center clips (C) inward and release from the seatback frame.
5. Pull the seatback board down releasing the upper clips (D) and remove.



### INSTALLATION

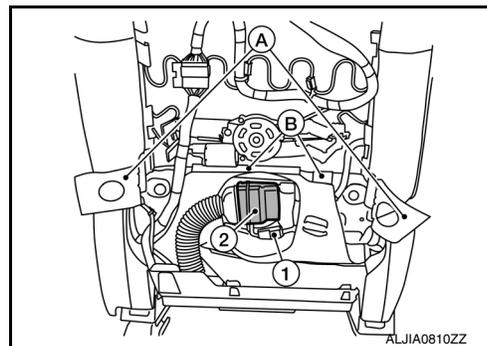
Installation is in the reverse order of removal.

### Seatback Thermal Electric Device

INFOID:000000009716074

### REMOVAL

1. Remove the seatback board. Refer to [SE-114, "Seatback Board"](#).
2. Release the seatback hook fastener straps (A).
3. Release the seatback J-clip retainers (B) holding the seatback trim to the seatback frame.
4. Disconnect the harness connector (1) from the seatback thermal electric device (2).
5. Remove the tie straps and seatback thermal electric device (2) from the upper blower duct and seatback frame.



### INSTALLATION

Installation is in the reverse order of removal.

#### NOTE:

Do not reuse tie straps, new tie straps must be used for installation.

### Seat Cushion Thermal Electric Device

INFOID:000000009716075

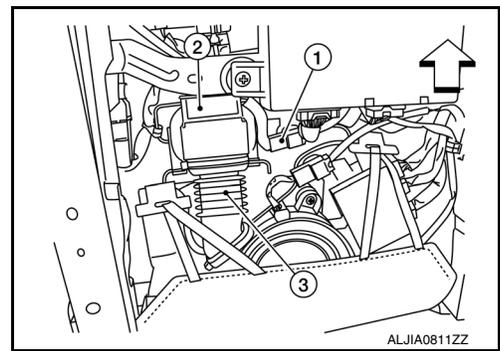
### REMOVAL

1. Remove the front seat. Refer to [SE-113, "Removal and Installation"](#).

## FRONT SEAT

### < REMOVAL AND INSTALLATION >

2. Remove the tie strap and lower blower duct (3) from the seat cushion thermal electric device (2).  
⇐: Front
3. Disconnect the harness connector (1) from the seat cushion thermal electric device (2).
4. Release the retaining clip and remove the seat cushion thermal electric device (2) from the seat frame assembly.



### INSTALLATION

Installation is in the reverse order of removal.

#### NOTE:

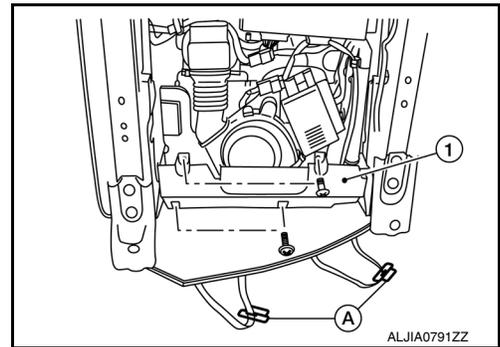
Do not reuse tie straps, new tie straps must be used for installation.

### Blower Motor Filter

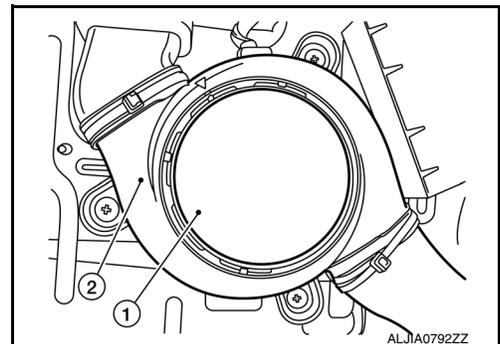
INFOID:000000009716076

### REMOVAL

1. Remove the front seat. Refer to [SE-113. "Removal and Installation"](#).
2. Release the J-hook retainers (A) from the seat frame assembly.
3. Remove the four screws and the seat cushion lower rear cover (1) from the seat frame assembly.



4. Rotate the climate controlled blower motor filter (1) counter clockwise and remove it from the blower motor (2).



### Blower Motor

INFOID:000000009716077

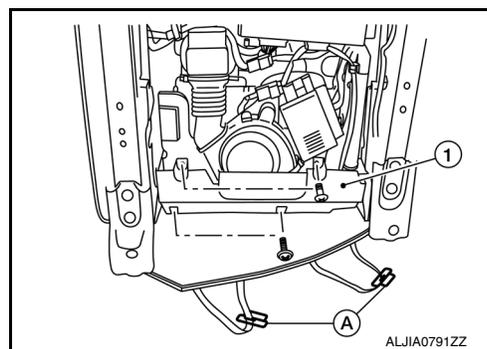
### REMOVAL

1. Remove the front seat. Refer to [SE-113. "Removal and Installation"](#).

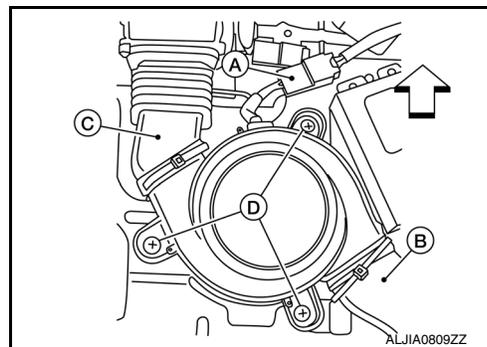
## FRONT SEAT

### < REMOVAL AND INSTALLATION >

2. Release the J-hook retainers (A) from the seat frame assembly.
3. Remove the four screws and the seat cushion lower rear cover (1) from the seat frame assembly.



4. Disconnect the harness connector (A) from the blower motor.  
⇐: Front
5. Remove the tie straps and discard, then remove the angle duct (B) and lower blower duct (C) from the blower motor.
6. Remove the screws (D) and the blower motor.



### INSTALLATION

Installation is in the reverse order of removal.

#### **NOTE:**

Do not reuse tie straps, new tie straps must be used for installation.

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

SE

# SECOND ROW SEATS

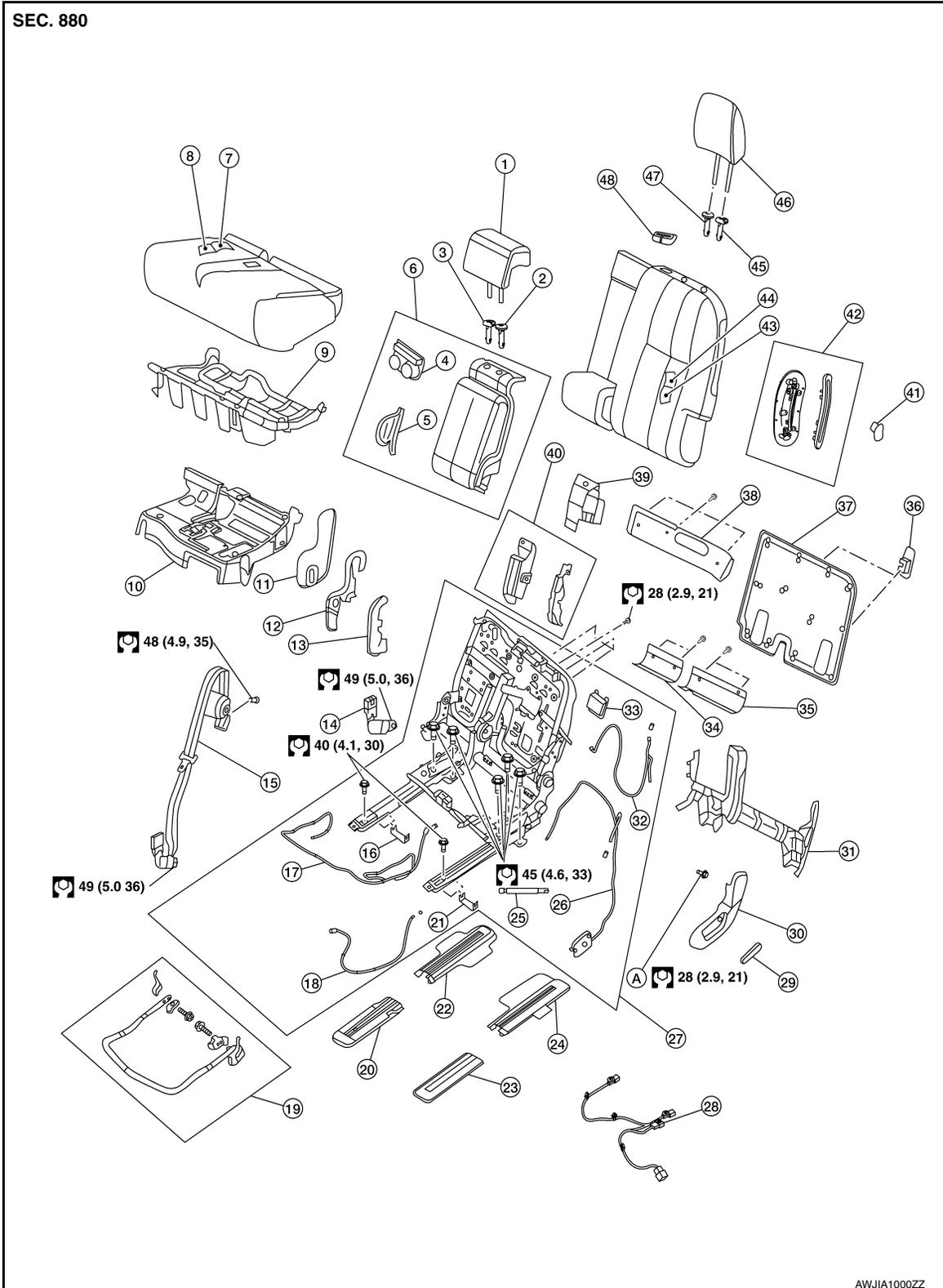
< REMOVAL AND INSTALLATION >

## SECOND ROW SEATS

Exploded View

INFOID:00000009716078

LH SEAT



AWJIA1000ZZ

- |                  |                                |                                  |
|------------------|--------------------------------|----------------------------------|
| 1. Headrest (RH) | 2. Headrest holder (free) (RH) | 3. Headrest holder (locked) (RH) |
| 4. Cup holder    | 5. Armrest hinge finisher      | 6. Armrest assembly              |

## SECOND ROW SEATS

### < REMOVAL AND INSTALLATION >

7. Seat cushion trim	8. Seat cushion pad	9. Seat cushion frame	A
10. Seat cushion latch finisher	11. Outer finisher (RH)	12. Inner finisher (RH)	
13. Recline finisher (center)	14. Seat belt buckle (RH)	15. Seat belt retractor (center)	
16. Seat slide clip (RH)	17. Seat slide release cable	18. Seat cushion release cable	B
19. Seat slide control lever assembly	20. Front slide finisher (RH)	21. Seat slide clip (LH)	
22. Rear slide finisher (RH)	23. Front slide finisher (LH)	24. Rear slide finisher (LH)	
25. Support strut	26. Recline release cable assembly	27. Seat frame assembly	C
28. Seat harness	29. Recline lever	30. Seat cushion outer finisher LH	
31. Rear finisher	32. EZ entry cable	33. Dampener	
34. Trim stiffener (RH)	35. Trim stiffener (LH)	36. Tether anchor finisher	D
37. Seatback board	38. EPP upper panel	39. Seat belt retractor finisher	
40. Support finisher (RH)	41. EZ entry lever finisher	42. EZ entry finisher	
43. Seatback pad	44. Seatback trim	45. Headrest holder (locked) (LH)	E
46. Headrest (LH)	47. Headrest holder (free) (LH)	48. Seat belt retractor finisher	
A. Seat cushion pivot bolt			F

**SE**



# SECOND ROW SEATS

## < REMOVAL AND INSTALLATION >

- |                              |                              |                                |
|------------------------------|------------------------------|--------------------------------|
| 19. EZ entry cable           | 20. Support strut            | 21. Inner finisher (LH)        |
| 22. Outer finisher (LH)      | 23. Seat harness             | 24. Seat cushion release cable |
| 25. Seat slide release cable | 26. Seat belt buckle         | 27. Rear finisher              |
| 28. Trim stiffener           | 29. Seatback board           | 30. Tether anchor finisher     |
| 31. EPP upper panel          | 32. Support finisher         | 33. Seatback pad               |
| 34. Seatback trim            | 35. Headrest holder (locked) | 36. Headrest holder (free)     |
| 37. Headrest                 | A. Seat cushion pivot bolt   |                                |

## Removal and Installation

INFOID:000000009716079

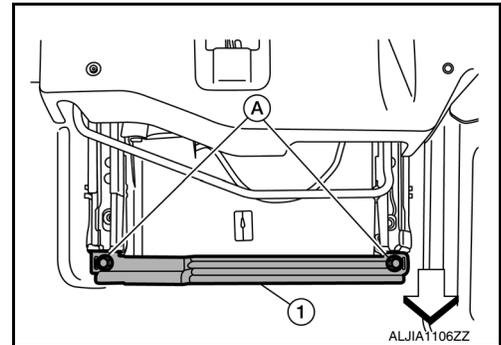
### LH SEAT

#### Removal

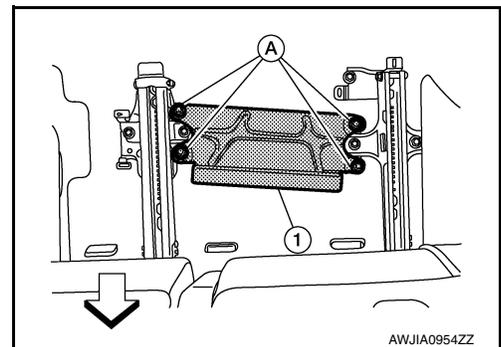
#### CAUTION:

- Before removal and installation, use shop cloths to protect parts from damage.
- During removal and installation, an assistant is required to protect against injury or damage.

1. Remove the rear kicking plate (LH). Refer to [INT-22. "KICKING PLATE : Removal and Installation - Rear Kicking Plate"](#).
2. Remove the headrests (LH/RH).
3. Slide the seat to the full rearward position.
4. Remove the front slide finishers (LH/RH).
  - a. Pull up on the front edge to release pawls.
  - b. Then slide forward to remove from seat track.
5. Place the front cross brace (1) from Seat Fixture Kit [SST: — (J-51030)] over the track alignment holes, then insert the two LH threaded bolts (A) through the brace into the track and tighten.  
⇐: Front



6. Disconnect the harness connector (if equipped), then release from seat frame assembly.
7. Remove the two seat front bolts.
8. Slide the seat to the full forward position.
9. Remove the rear slide finishers (LH/RH).
  - a. Pull up on the rear edge to release pawls.
  - b. Then slide forward to remove from seat track.
10. Place the rear cross brace (1) from Seat Fixture Kit [SST: — (J-51030)] over the track alignment holes, then insert the four LH threaded bolts (A) through the brace into the track and tighten.  
⇐: Front



11. Remove the five seat rear bolts.
12. Fold the seatback in the flat position, then remove the seat from the vehicle.

## SECOND ROW SEATS

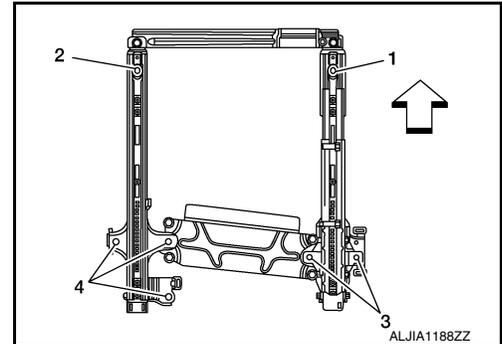
### < REMOVAL AND INSTALLATION >

#### Installation

Installation is in the reverse order of removal.

#### NOTE:

- When installing the LH seat, tighten the bolts in the order shown.  
(⇐): Front
- Tighten the seat bolts to specification. Refer to [SE-118. "Exploded View"](#).

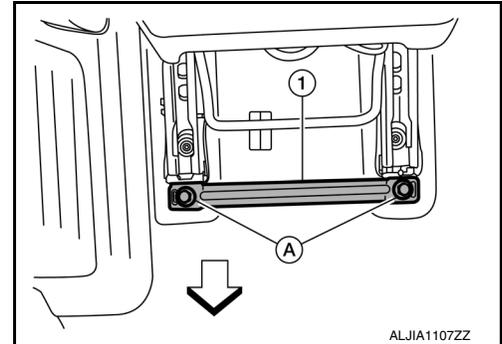


#### RH SEAT

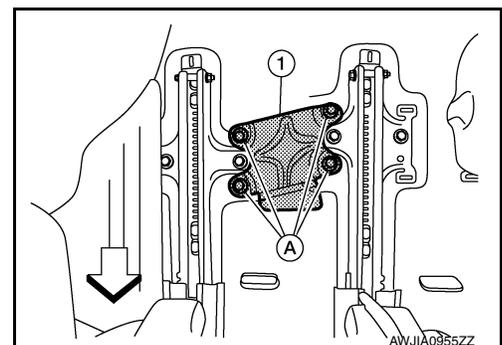
#### Removal

#### CAUTION:

- Before removal and installation, use shop cloths to protect parts from damage.
  - During removal and installation, an assistant is required to protect against injury or damage.
1. Remove the rear kicking plate (RH). Refer to [INT-22. "KICKING PLATE : Removal and Installation - Rear Kicking Plate"](#).
  2. Remove the headrest.
  3. Slide the seat to the full rearward position.
  4. Remove the front slide finishers (LH/RH).
    - a. Pull up on the front edge to release pawls.
    - b. Then slide forward to remove from seat track.
  5. Place the front cross brace (1) from Seat Fixture Kit [SST: — (J-51030)] over the track alignment holes, then insert the two LH threaded bolts (A) through the brace into the track and tighten.  
(⇐): Front



6. Disconnect the harness connector, then release from seat frame assembly.
7. Remove the two seat front bolts.
8. Slide the seat to the full forward position.
9. Remove the rear slide finishers (LH/RH).
  - a. Pull up on the rear edge to release pawls.
  - b. Then slide forward to remove from seat track.
10. Place the rear cross brace (1) from Seat Fixture Kit [SST: — (J-51030)] over the track alignment holes, then insert the four LH threaded bolts (A) through the brace into the track and tighten.  
(⇐): Front



## SECOND ROW SEATS

### < REMOVAL AND INSTALLATION >

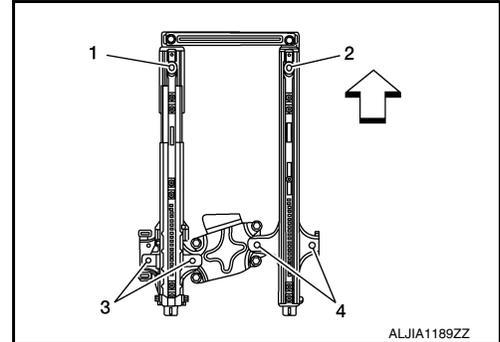
11. Remove the four seat rear bolts.
12. Fold the seatback in the flat position, then remove the seat from the vehicle.

#### Installation

Installation is in the reverse order of removal.

#### NOTE:

- When installing the RH seat, tighten the bolts in the order shown.  
(↔): Front
- Tighten the seat bolts to specification. Refer to [SE-118, "Exploded View"](#).

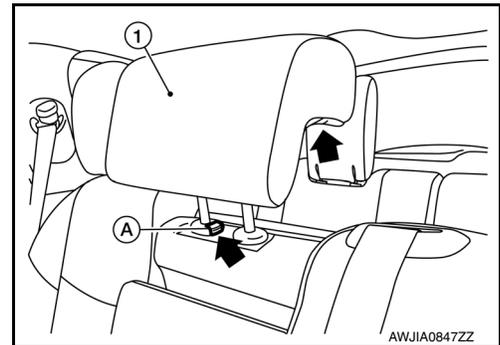


INFOID:000000009716080

### Armrest Assembly

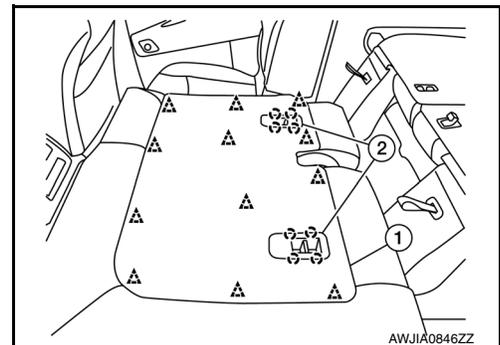
#### REMOVAL

1. Press in the headrest holder button (A), then remove LH seat headrest (RH) (1).



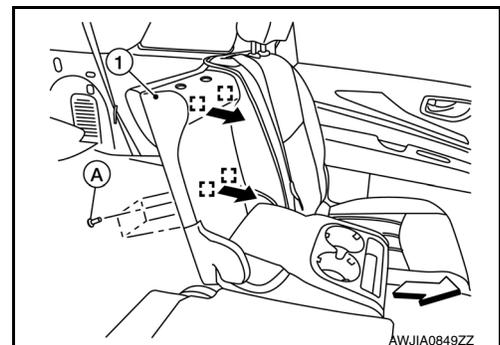
2. Remove the tether anchor finishers (2).
3. Remove seatback board (1).

- △: Clip
- : Pawl



4. Remove four armrest assembly bolts (A) and pull the armrest assembly (1) forward (↔) to release clips.

- : Metal clip
- ↔: Front



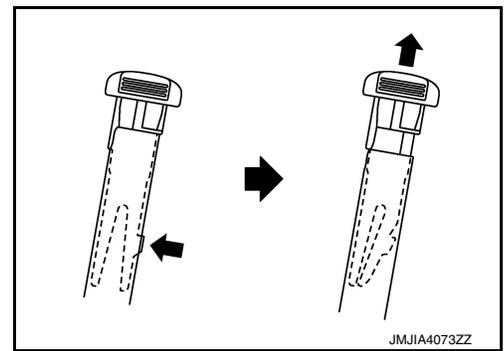
## SECOND ROW SEATS

### < REMOVAL AND INSTALLATION >

5. Reach up behind the armrest assembly, release the headrest holder locks as shown and remove the headrest holders.

**CAUTION:**

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



6. Remove the armrest assembly.

### INSTALLATION

Installation is in the reverse order of removal.

### Seat Cushion

INFOID:000000009716081

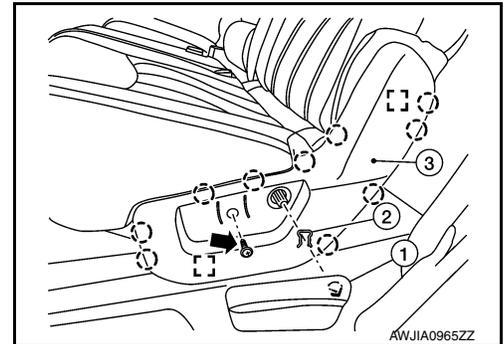
#### LH SEAT

##### Removal

1. Remove the recline lever.
  - a. Remove snap ring (2) upward using a suitable tool.
  - b. Remove the recline lever (1).
2. Remove screw (←) and seat cushion outer finisher (LH) (3).

○: Pawl

□: Metal clip

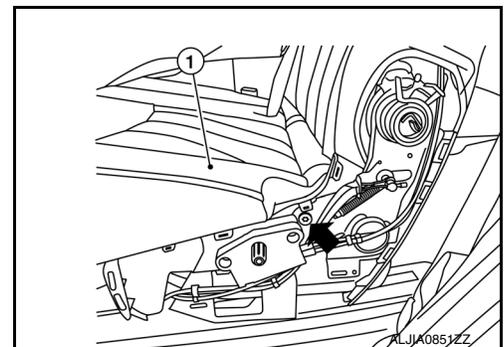


3. Pull seat belt buckles through bottom of LH seat cushion.
4. Disconnect the harness connectors from the LH seat cushion heater (if equipped) and release the harness from attachments.

**NOTE:**

Take note of harness routing and attachment location for correct installation.

5. Remove the support strut at bottom.
6. Remove seat cushion pivot bolt (←), then the LH seat cushion (1).



##### Installation

Installation is in the reverse order of removal.

#### RH SEAT

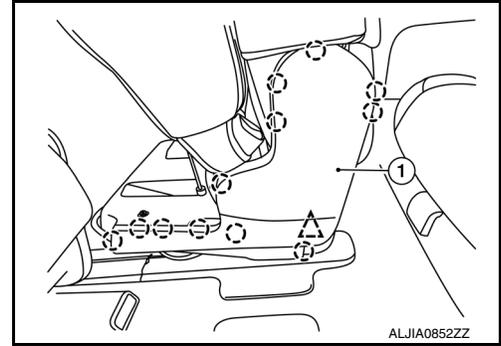
##### Removal

## SECOND ROW SEATS

### < REMOVAL AND INSTALLATION >

1. Slide the LH seat to the full forward position and slide the RH seat to the full rearward position.
2. Remove outer finisher (LH) (1).

- : Pawl
- △: Clip

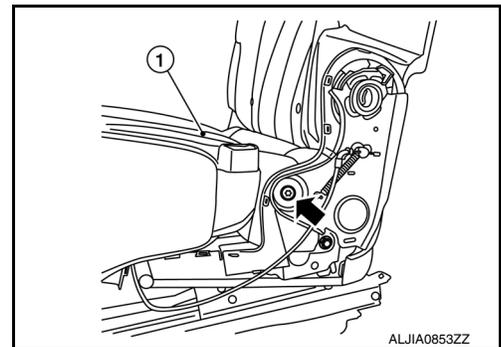


3. Pull seat belt buckle through bottom of RH seat cushion.
4. Disconnect the harness connectors from the RH seat cushion heater (if equipped) and release the harness from attachments.

#### NOTE:

Take note of harness routing and attachment location for correct installation.

5. Remove the support strut at bottom.
6. Remove seat cushion pivot bolt (←), then the RH seat cushion (1).



#### Installation

Installation is in the reverse order of removal.

### Seat Cushion Release Cable

INFOID:00000009716082

#### LH SEAT

##### Removal

1. Remove the LH seat cushion. Refer to [SE-124. "Seat Cushion"](#).
2. Release pawls and remove the recline finisher (center) (1).

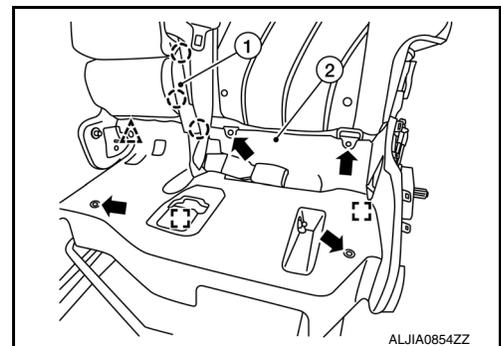
- : Pawl

3. Release clip.

- △: Clip

4. Remove screws (←) and lift seat cushion latch finisher (2) to remove.

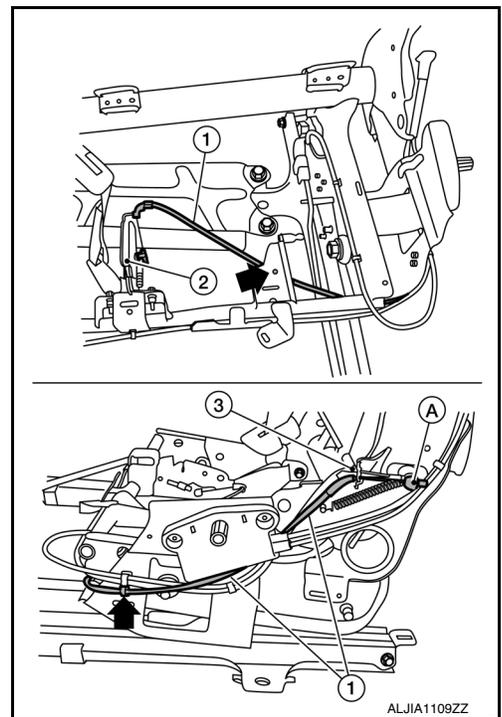
- : Metal clip



## SECOND ROW SEATS

### < REMOVAL AND INSTALLATION >

5. Remove the seat cushion release cable (1) from seat cushion latch (2).
6. Release (←) the seat cushion release cable (1) from the seat frame assembly (3).
- CAUTION:**  
**Note the cable routing for correct installation,**
7. Release cable end (A) and remove seat cushion release cable.



#### Installation

Installation is in reverse order of removal.

#### **CAUTION:**

**Route cables correctly for proper function.**

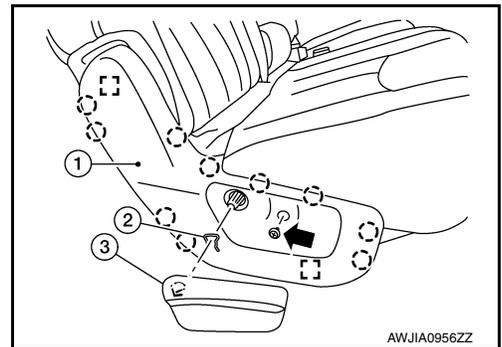
#### RH SEAT

##### Removal

1. Remove RH seat cushion. Refer to [SE-124. "Seat Cushion"](#).
2. Remove the recline lever.
  - a. Remove snap ring (2) upward using a suitable tool.
  - b. Remove recline lever (3).
3. Remove screw (←) and the seat cushion outer finisher (RH) (1).

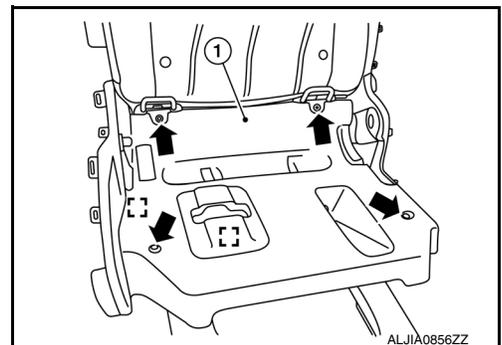
○: Pawl

□: Metal clip



4. Remove screws (←) and lift seat cushion latch finisher (1) to remove.

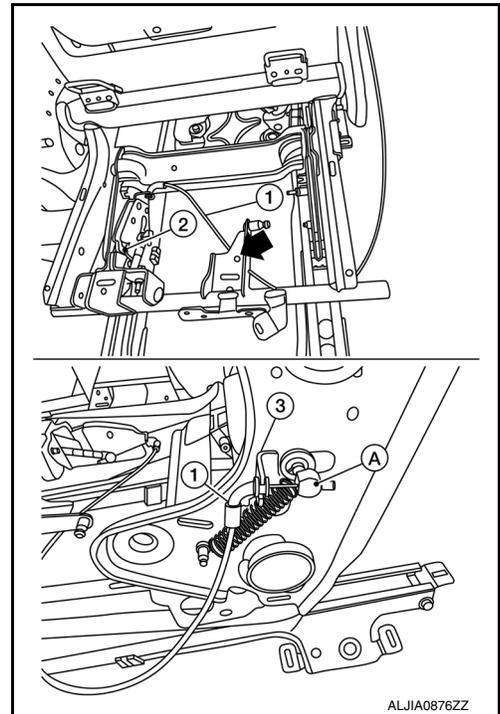
□: Metal clip



## SECOND ROW SEATS

### < REMOVAL AND INSTALLATION >

5. Release (←) the seat cushion release cable (1) from the seat frame assembly (3).  
**CAUTION:**  
**Note the cable routing for correct installation.**
  - a. Remove the seat cushion release cable (1) from the seat cushion latch (2).
  - b. Separate the cushion release cable (1) from the seat frame assembly (3).
  - c. Release cable end (A) and remove seat cushion release cable (1).



#### Installation

Installation is in reverse order of removal.

**CAUTION:**  
**Route cables correctly for proper function.**

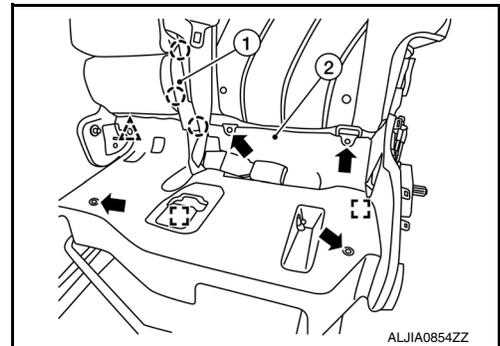
### Seat Slide Release Cable

INFOID:000000009716083

#### LH SEAT

##### Removal

1. Remove LH seat cushion. Refer to [SE-124, "Seat Cushion"](#).
2. Release pawls and remove the recline finisher (center) (1).  
○: Pawl
3. Release clip.  
△: Clip
4. Remove screws (←) and lift the seat cushion latch finisher (2) to remove.  
□: Metal clip



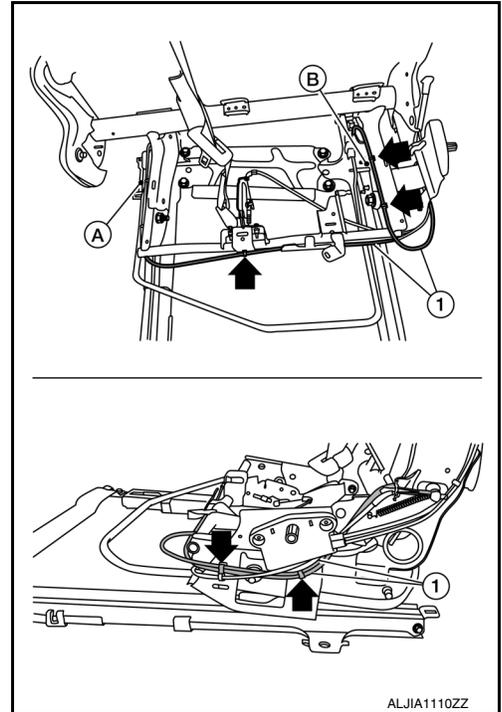
## SECOND ROW SEATS

### < REMOVAL AND INSTALLATION >

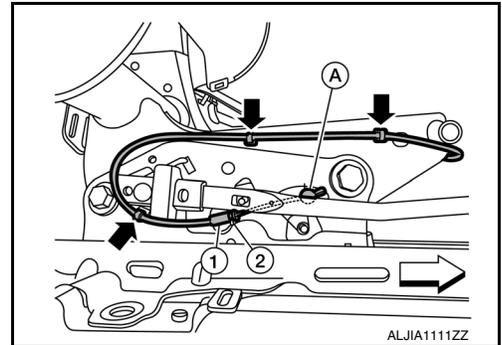
5. Remove the seat slide release cable (1) from both RH side (A) and LH side (B) of seat frame assembly.
  - a. Release (←) the seat slide release cable (1) from the seat frame assembly.

**CAUTION:**

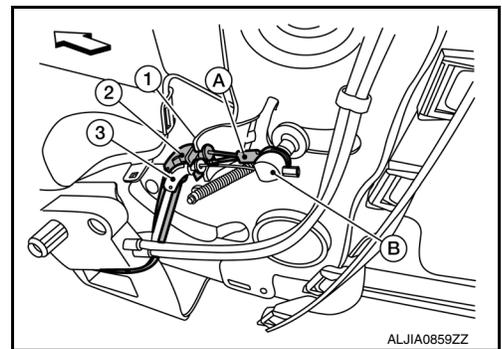
Note the cable routing for correct installation.



- b. Release (←) the seat slide release cable (1).
  - c. Separate the seat slide release cable (1) from the seat frame assembly (2).
  - d. Release cable end (A).
    - RH side shown, LH side similar.
    - ↔: Front



6. Separate the seat cushion release cable (3) from the seat slide release cable (2).  
↔: Front
7. Release cable end (B) and position the seat cushion release cable (3) aside.
8. Separate the seat slide release cable (2) from the seat frame assembly (1).
9. Remove the seat slide release cable end (A) and the seat slide release cable.



#### Installation

Installation is in reverse order of removal.

**CAUTION:**

Route cables correctly for proper function.

#### RH SEAT

#### Removal

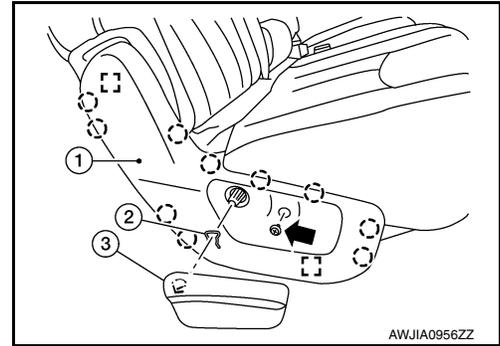
1. Remove RH seat cushion. Refer to [SE-124, "Seat Cushion"](#).

## SECOND ROW SEATS

### < REMOVAL AND INSTALLATION >

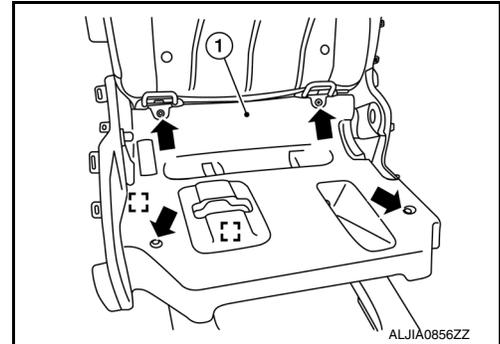
2. Remove the recline lever.
  - a. Remove snap ring (2) upward using a suitable tool.
  - b. Remove recline lever (3).
3. Remove screw (←) and the seat cushion outer finisher (RH) (1).

○: Pawl  
 □: Metal clip

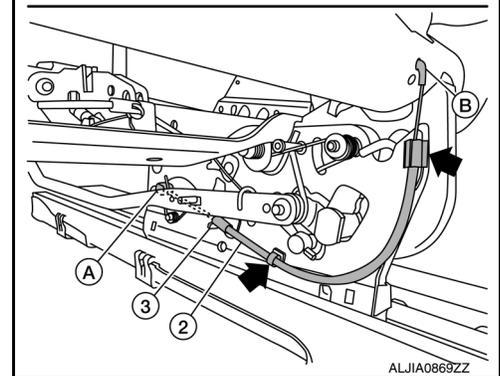
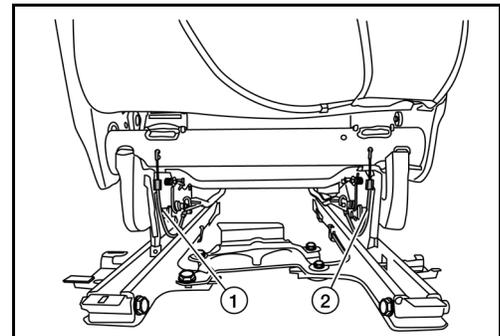


4. Remove screws (←) and lift seat cushion latch finisher (1) to remove.

□: Metal clip



5. Remove two screws and the rear finisher.
6. Remove the seat slide release cable (1) or (2) as necessary, from the seat frame assembly (3).
  - a. Release (←) the seat slide release cable (1).  
**CAUTION:**  
**Note the cable routing for correct installation.**
  - b. Separate the seat slide release cable (1) from the seat frame assembly (3).
  - c. Release cable end (A) and remove the seat slide release cable (1)



#### Installation

Installation is in reverse order of removal.

#### **CAUTION:**

**Route cables correctly for proper function.**

#### Recline Release Cable Assembly

INFOID:000000009716084

#### LH SEAT

#### Removal

## SECOND ROW SEATS

### < REMOVAL AND INSTALLATION >

1. Remove the LH seat seatback. Refer to [SE-153. "LH SEAT : Seatback"](#).

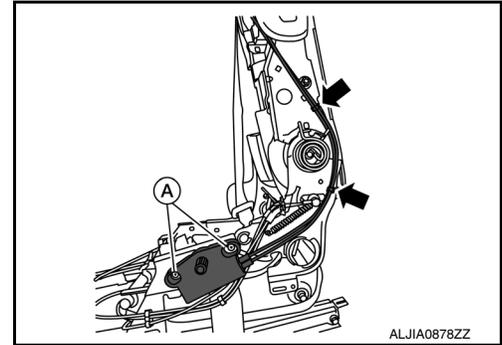
**NOTE:**

It is not necessary to separate the seatback trim from the seatback pad.

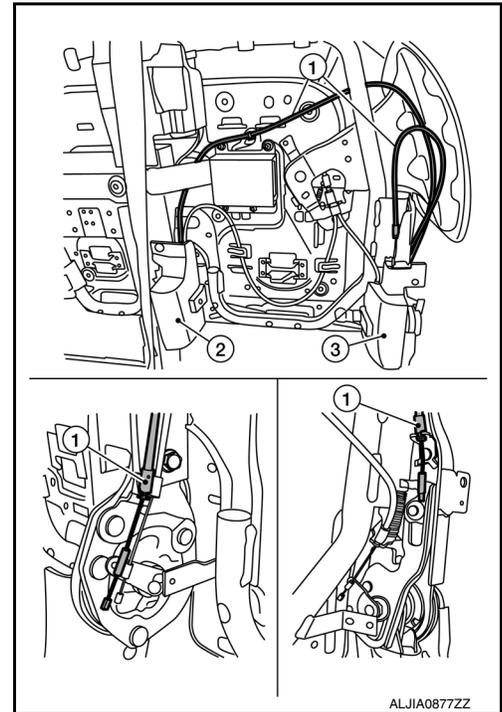
2. Remove screws (A).
3. Release (←) the recline release cable assembly from the seat frame assembly.

**CAUTION:**

**Note the cable routing for correct installation.**



4. Remove the support finishers (2) and (3).
5. Remove the recline release cable assembly (1) from the RH side.
6. Remove the recline release cable assembly (1) from the LH side.



#### Installation

Installation is in the reverse order of removal.

**CAUTION:**

**Route cables correctly for proper function.**

#### RH SEAT

##### Removal

1. Remove the RH seat seatback. Refer to [SE-156. "RH SEAT : Seatback"](#).

**NOTE:**

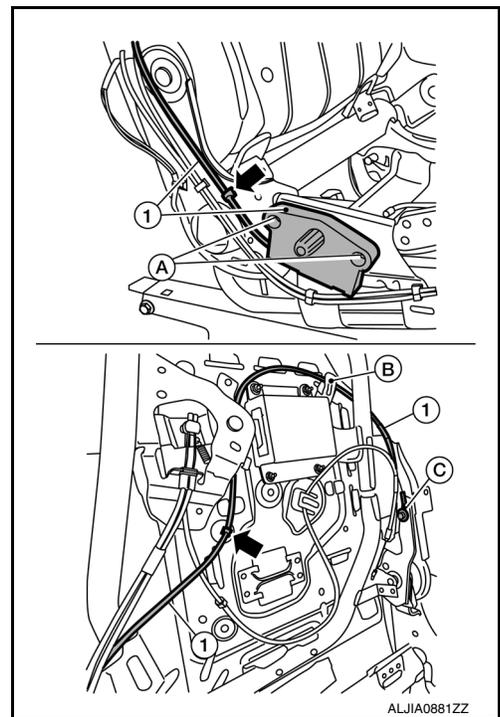
It is not necessary to separate the seatback trim from the seatback pad.

2. Remove the support finisher.

## SECOND ROW SEATS

### < REMOVAL AND INSTALLATION >

3. Remove the recline release cable assembly screws (A).
4. Release (←) the recline release cable assembly (1) from the seat frame assembly.  
**CAUTION:**  
**Note the cable routing for correct installation.**
5. Remove the recline release cable assembly (1) from routing guide (B).
6. Remove the recline release cable assembly end (C) and the recline release cable assembly (1).



#### Installation

Installation is in the reverse order of removal.

**CAUTION:**  
**Route cables correctly for proper function.**

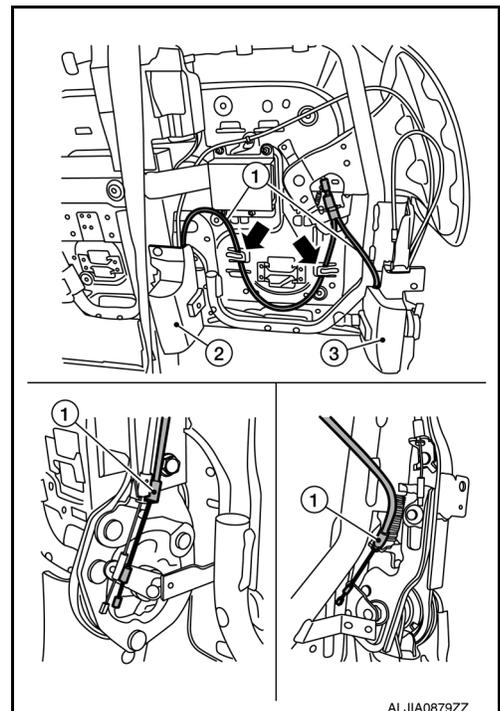
### EZ Entry Cable

INFOID:000000009716085

#### LH SEAT

##### Removal

1. Remove LH seat seatback. Refer to [SE-153, "LH SEAT : Seatback"](#).  
**NOTE:**  
It is not necessary to separate the seatback trim from the seatback pad.
2. Remove support finishers (2) and (3).
3. Remove EZ entry cable (1) from routing guides (←).  
**CAUTION:**  
**Note the cable routing for correct installation**
4. Remove the EZ entry cable (1) from the RH side.
5. Remove the EZ entry cable (1) from the LH side.
6. Remove the EZ entry cable.



## SECOND ROW SEATS

### < REMOVAL AND INSTALLATION >

---

#### Installation

Installation is in the reverse order of removal.

#### **CAUTION:**

**Route cables correctly for proper function.**

#### RH SEAT

##### Removal

1. Remove the RH seatback. Refer to [SE-156, "RH SEAT : Seatback"](#).

#### **NOTE:**

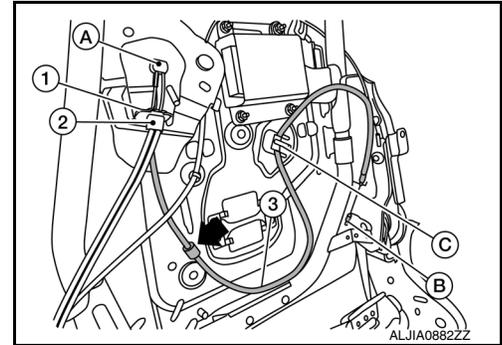
It is not necessary to separate the seatback trim from the seatback pad.

2. Remove the support finisher.
3. Remove the EZ entry cable (3) from the routing guide (C).

#### **CAUTION:**

**Note the cable routing for correct installation.**

4. Release (←) the EZ entry cable (3) from the seat frame assembly.
5. Remove the track tilt release cable (2) from the seat frame assembly (1) and release cable end (A).
6. Remove cable end (B) and the EZ entry cable (3).



#### Installation

Installation is in the reverse order of removal.

#### **CAUTION:**

**Route cables correctly for proper function.**

#### RH Seat Track Tilt Release Cable

INFOID:000000009716086

##### Removal

1. Remove the RH seat seatback. Refer to [SE-156, "RH SEAT : Seatback"](#).

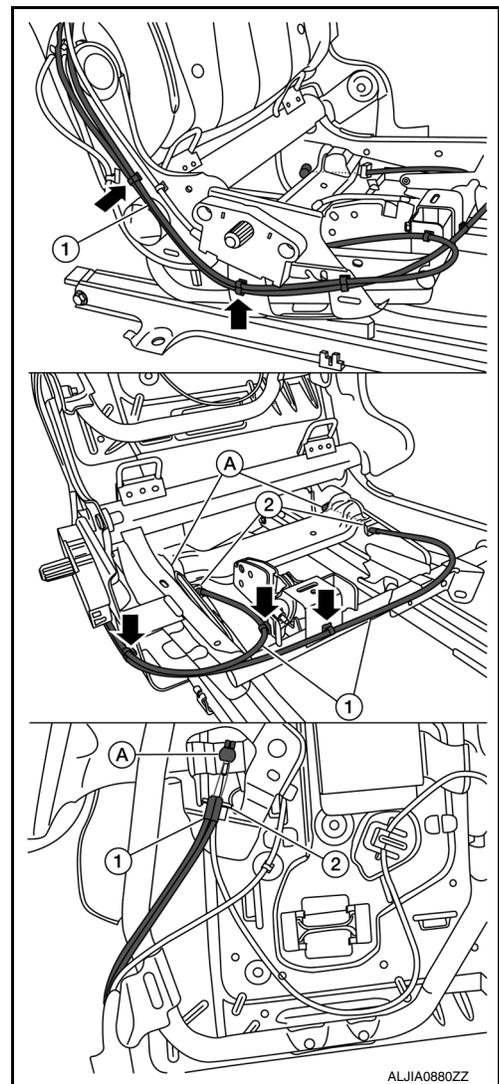
#### **NOTE:**

It is not necessary to separate the seatback trim from the seatback pad.

## SECOND ROW SEATS

### < REMOVAL AND INSTALLATION >

2. Release (←) the track tilt release cable (1) from the seat frame assembly.  
**CAUTION:**  
**Note the cable routing for correct installation.**
3. Remove the track tilt release cable (1) from the seat frame assembly (2) and release cable ends (A).
4. Remove the track tilt release cable (1).



### Installation

Installation is in the reverse order of removal.

**CAUTION:**  
**Route cables correctly for proper function.**

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# THIRD ROW SEATS

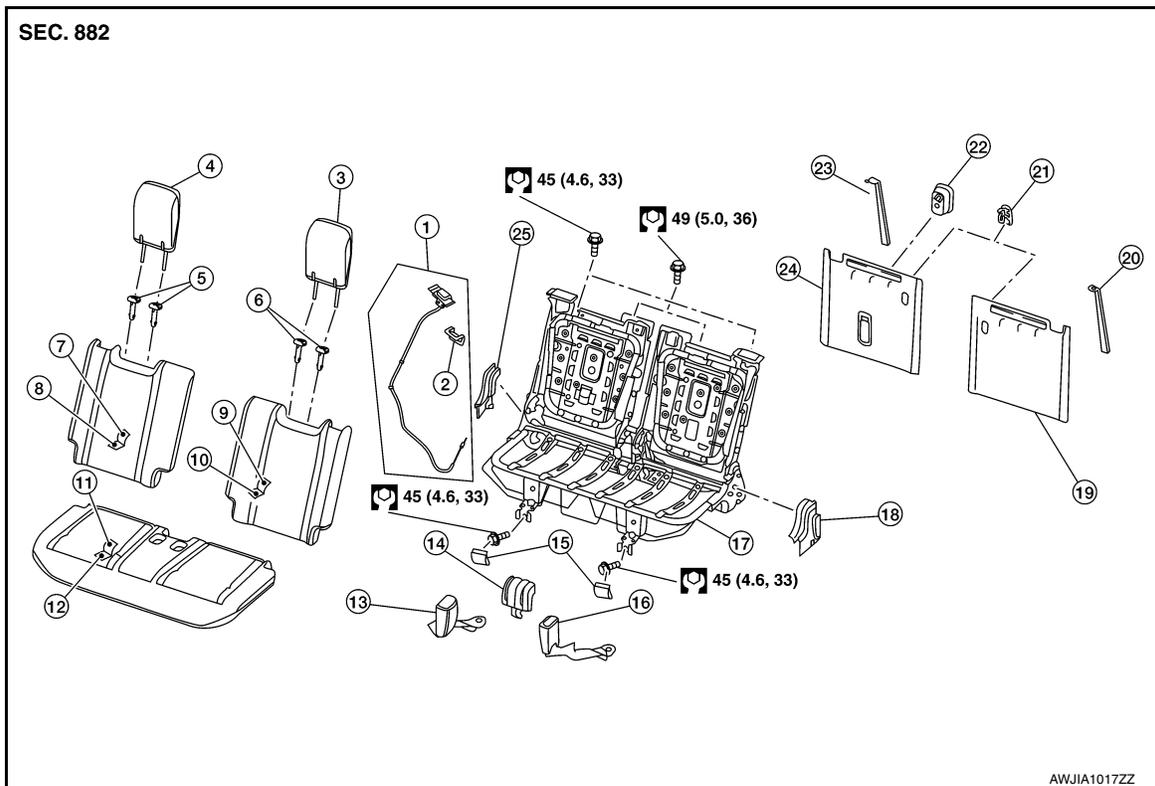
< REMOVAL AND INSTALLATION >

## THIRD ROW SEATS

Exploded View

INFOID:000000009716087

### MANUAL SEAT

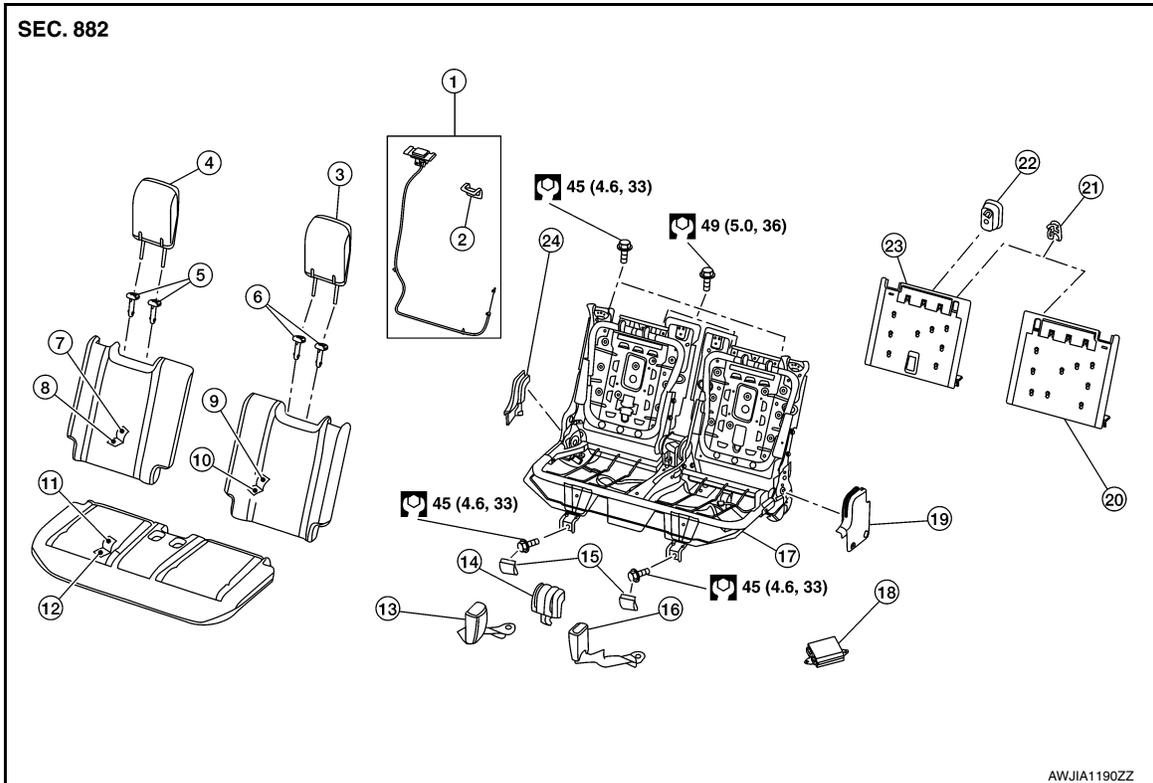


- |                                             |                                             |                              |
|---------------------------------------------|---------------------------------------------|------------------------------|
| 1. Seatback release lever and cable (LH/RH) | 2. Seatback release lever finisher (LH/ RH) | 3. Headrest (LH)             |
| 4. Headrest (RH)                            | 5. Headrest holders (RH)                    | 6. Headrest holders (LH)     |
| 7. Seatback trim (RH)                       | 8. Seatback pad (RH)                        | 9. Seatback trim (LH)        |
| 10. Seatback pad (LH)                       | 11. Seat cushion trim                       | 12. Seat cushion pad         |
| 13. Seat belt buckle (RH)                   | 14. Seat hinge finisher (center)            | 15. Seat bolt finisher       |
| 16. Seat belt buckle (LH)                   | 17. Seat frame assembly                     | 18. Seat hinge finisher (LH) |
| 19. Seatback board (LH)                     | 20. Seatback pull strap (LH)                | 21. Seatback cargo hook      |
| 22. Tether anchor finisher                  | 23. Seatback pull strap (RH)                | 24. Seatback board (RH)      |
| 25. Seatback hinge finisher (RH)            |                                             |                              |

# THIRD ROW SEATS

< REMOVAL AND INSTALLATION >

## POWER SEAT



- |                                             |                                            |                                        |
|---------------------------------------------|--------------------------------------------|----------------------------------------|
| 1. Seatback release lever and cable (LH/RH) | 2. Seatback release lever finisher (LH/RH) | 3. Headrest (LH)                       |
| 4. Headrest (RH)                            | 5. Headrest holders (RH)                   | 6. Headrest holders (LH)               |
| 7. Seatback trim (RH)                       | 8. Seatback pad (RH)                       | 9. Seatback trim (LH)                  |
| 10. Seatback pad (LH)                       | 11. Seat cushion trim                      | 12. Seat cushion pad                   |
| 13. Seat belt buckle (RH)                   | 14. Seat hinge finisher (center)           | 15. Seat bolt finisher                 |
| 16. Seat belt buckle (LH)                   | 17. Seat frame assembly                    | 18. Seatback power return control unit |
| 19. Seat hinge finisher (LH)                | 20. Seatback board (LH)                    | 21. Seatback cargo hook                |
| 22. Tether anchor finisher                  | 23. Seatback board (RH)                    | 24. Seatback hinge finisher (RH)       |

### Removal and Installation

INFOID:000000009716088

#### CAUTION:

- Before removal and installation, use shop cloths to protect parts from damage.
- During removal and installation, an assistant is required to protect against injury or damage.

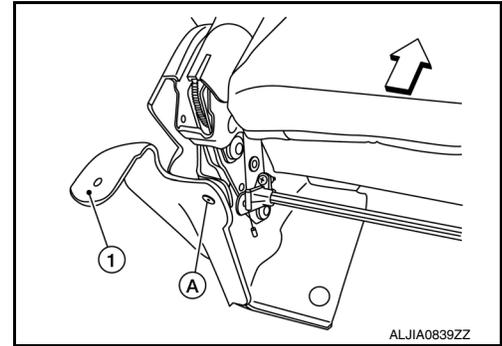
#### REMOVAL

1. Release the pawls and remove the seat bolt finishers.
2. Remove the seat front bolts.
3. Pull the seatback release lever and fold down the seatbacks (LH/RH).
4. Remove the storage box. Refer to [INT-33, "STORAGE BOX : Removal and Installation"](#).
5. Remove the four bolts, then remove the jack and jack bracket as an assembly.

## THIRD ROW SEATS

### < REMOVAL AND INSTALLATION >

6. Release the clip (A) and remove the rear side cover (1) (manual seat only).  
LH side shown, RH side similar  
↔: Front



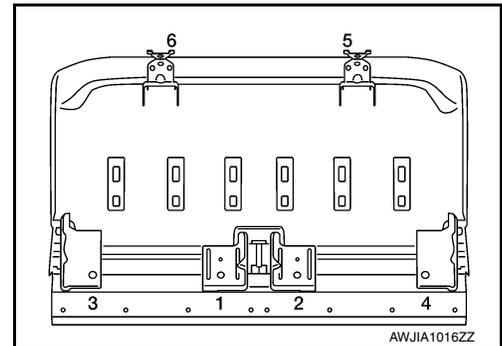
7. Remove the two seat belt buckle anchor bolts. Refer to [SB-17. "Third Row Seat Belt"](#).
8. Remove the seat rear bolts.
9. Tilt seat and disconnect the harness connector from the seat (power seat only).
10. Remove the third row seat from the vehicle.

### INSTALLATION

Installation is in the reverse order of removal.

#### NOTE:

- When installing the third row seat, tighten the bolts in the order shown.
- Tighten the seat bolts to specification. Refer to [SE-134. "Exploded View"](#).



# REAR SEATBACK SWITCH

< REMOVAL AND INSTALLATION >

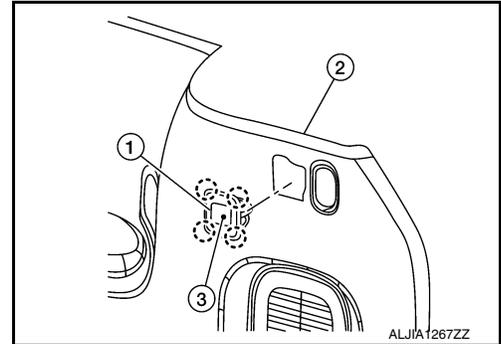
## REAR SEATBACK SWITCH

### Removal and Installation

INFOID:000000009763663

#### REMOVAL

1. Remove luggage side lower finisher. Refer to [INT-31. "LUGGAGE SIDE LOWER FINISHER : Removal and Installation"](#).
2. Release pawls and remove the rear seatback switch finisher (1) from luggage side lower finisher (2).
3. Release pawls and remove rear seatback switch (3) from rear seatback switch finisher (1).



#### INSTALLATION

Installation is in the reverse order of removal.

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# SEATBACK POWER RETURN CONTROL UNIT

< REMOVAL AND INSTALLATION >

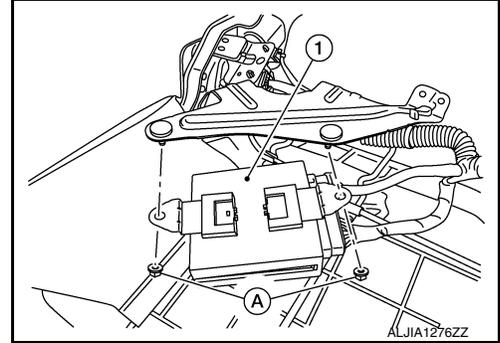
## SEATBACK POWER RETURN CONTROL UNIT

### Removal and Installation

INFOID:000000009817766

#### REMOVAL

1. Remove the third row seat. Refer to [SE-135. "Removal and Installation"](#).
2. Remove nuts (A) and the seatback power return control unit (1).



3. Disconnect the harness connectors from the seatback power return control unit.

#### INSTALLATION

Installation is in the reverse order of removal.

# FRONT SEAT

< UNIT DISASSEMBLY AND ASSEMBLY >

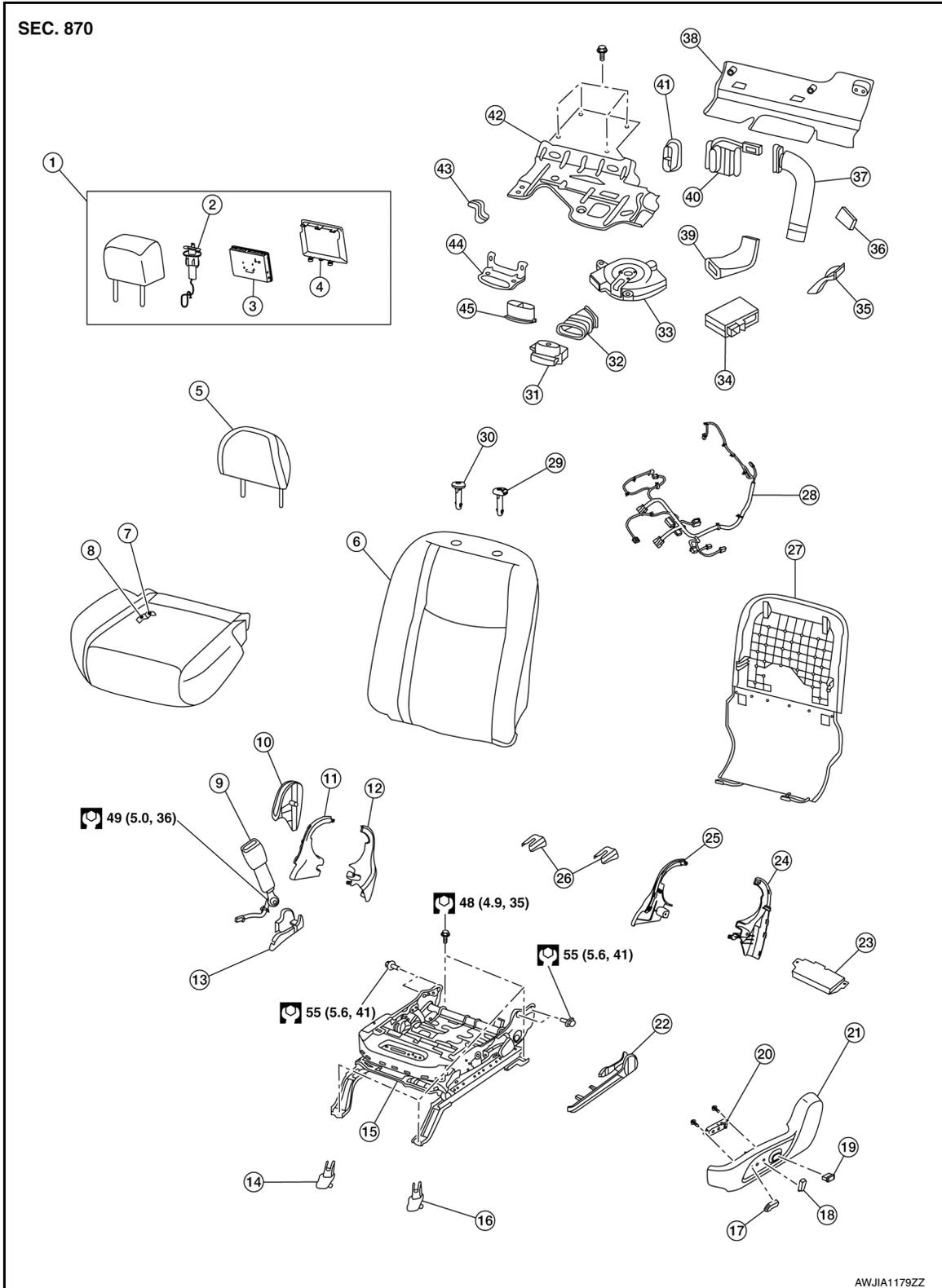
## UNIT DISASSEMBLY AND ASSEMBLY

### FRONT SEAT

Exploded View

INFOID:000000009716089

#### DRIVER SEAT WITH CLIMATE CONTROL



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## FRONT SEAT

### < UNIT DISASSEMBLY AND ASSEMBLY >

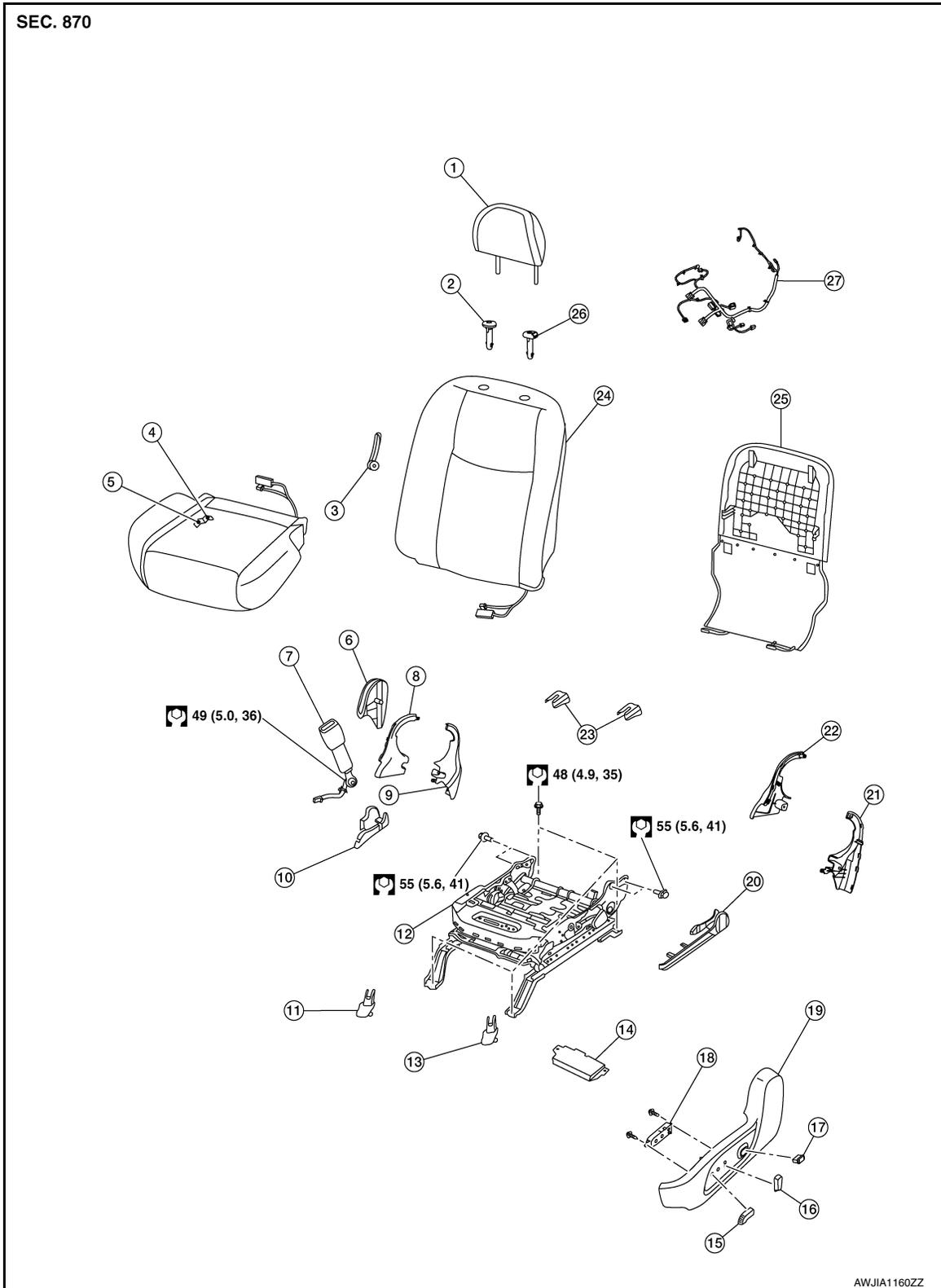
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- |                                              |                                              |                                             |
|----------------------------------------------|----------------------------------------------|---------------------------------------------|
| 1. Headrest assembly with display unit       | 2. Harness protector                         | 3. Headrest display unit                    |
| 4. Headrest display unit finisher            | 5. Headrest without display unit             | 6. Seatback assembly                        |
| 7. Seat cushion trim                         | 8. Seat cushion pad                          | 9. Seat belt buckle                         |
| 10. Seat cushion outer finisher (RH)         | 11. Seat cushion inner finisher (RH) (front) | 12. Seat cushion inner finisher (RH) (rear) |
| 13. Slide finisher outer (RH)                | 14. Front slide finisher (RH)                | 15. Seat frame assembly                     |
| 16. Front slide finisher (LH)                | 17. Seat slide knob                          | 18. Seat recline knob                       |
| 19. Lumbar support switch                    | 20. Power seat switch                        | 21. Seat cushion outer finisher (LH)        |
| 22. Slide finisher outer (LH)                | 23. Driver seat control unit                 | 24. Seat cushion inner finisher (LH) (rear) |
| 25. Seat cushion inner finisher (LH) (front) | 26. Rear slide finisher                      | 27. Seatback board                          |
| 28. Seat harness                             | 29. Headrest holder (locked)                 | 30. Headrest holder (free)                  |
| 31. Seat cushion thermal electric device     | 32. Lower blower duct                        | 33. Blower motor with filter                |
| 34. Climate controlled seat control unit     | 35. Thermal electric device clip             | 36. Upper blower duct clip                  |
| 37. Upper blower duct                        | 38. Lower rear cover                         | 39. Angle duct                              |
| 40. Seatback thermal electric device         | 41. Thermal electric device nozzle           | 42. Blower motor bracket                    |
| 43. Thermal electric device harness bracket  | 44. Thermal electric device bracket          | 45. Thermal electric device nozzle          |

# FRONT SEAT

< UNIT DISASSEMBLY AND ASSEMBLY >

## DRIVER SEAT WITHOUT CLIMATE CONTROL



- |                               |                                             |                                            |
|-------------------------------|---------------------------------------------|--------------------------------------------|
| 1. Headrest                   | 2. Headrest holder (free)                   | 3. Lumbar lever (if equipped)              |
| 4. Seat cushion trim          | 5. Seat cushion pad                         | 6. Seat cushion outer finisher (RH)        |
| 7. Seat belt buckle           | 8. Seat cushion inner finisher (RH) (front) | 9. Seat cushion inner finisher (RH) (rear) |
| 10. Slide finisher outer (RH) | 11. Front slide finisher (RH)               | 12. Seat frame assembly                    |
| 13. Front slide finisher (LH) | 14. Driver seat control unit (if equipped)  | 15. Seat slide knob                        |

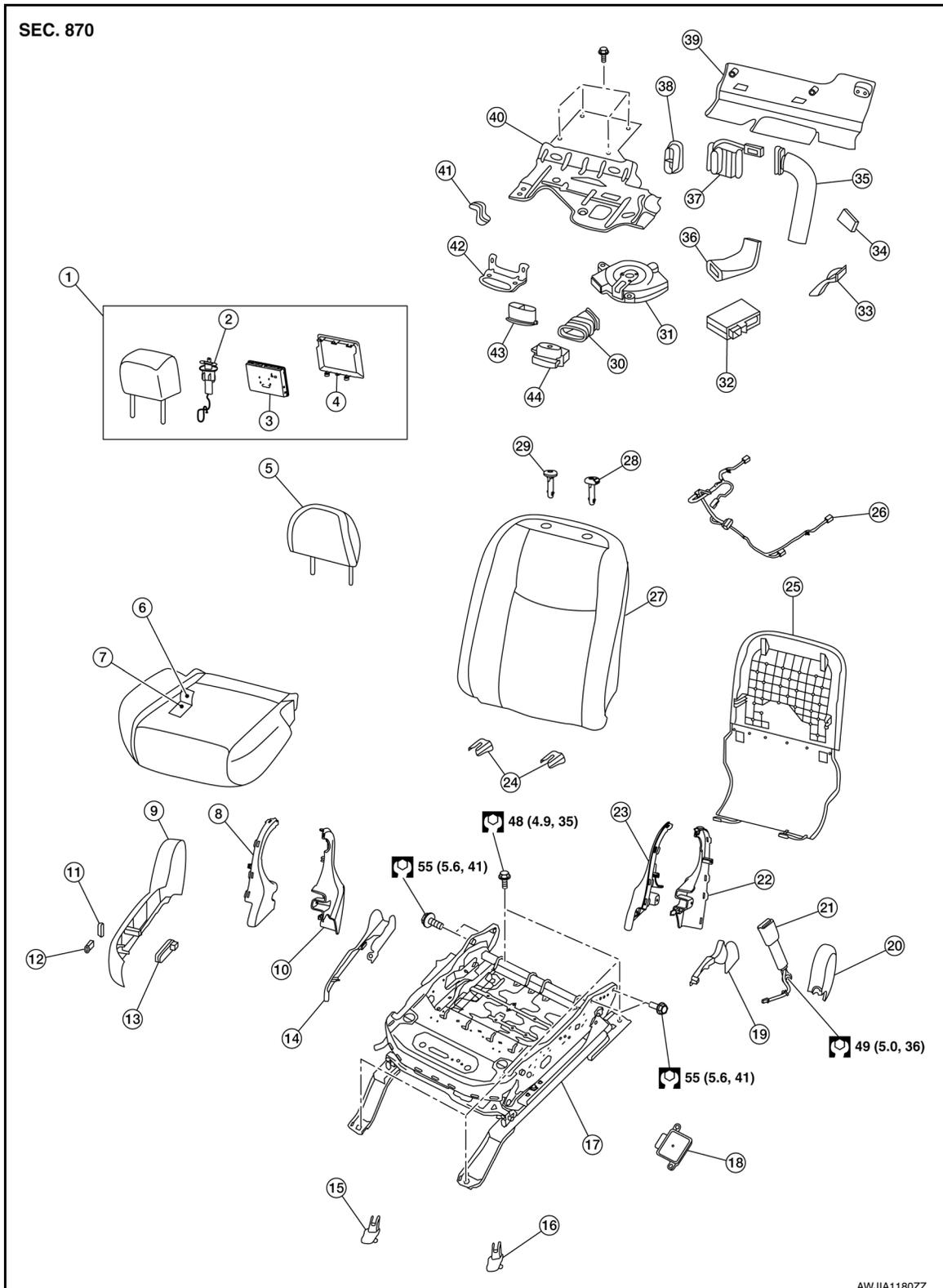
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# FRONT SEAT

## < UNIT DISASSEMBLY AND ASSEMBLY >

- |                                              |                                         |                                             |
|----------------------------------------------|-----------------------------------------|---------------------------------------------|
| 16. Seat recline knob                        | 17. Lumbar support switch (if equipped) | 18. Power seat switch                       |
| 19. Seat cushion outer finisher (LH)         | 20. Slide finisher outer (LH)           | 21. Seat cushion inner finisher (LH) (rear) |
| 22. Seat cushion inner finisher (LH) (front) | 23. Rear slide finisher                 | 24. Seatback assembly                       |
| 25. Seatback board                           | 26. Headrest holder (locked)            | 27. Seat harness                            |

### PASSENGER SEAT WITH CLIMATE CONTROL



# FRONT SEAT

## < UNIT DISASSEMBLY AND ASSEMBLY >

1. Headrest assembly with display unit	2. Harness protector	3. Headrest display unit	A
4. Headrest display unit finisher	5. Headrest without display unit	6. Seat cushion trim	
7. Seat cushion pad	8. Seat cushion inner finisher (RH) (front)	9. Seat cushion outer finisher (RH)	B
10. Seat cushion inner finisher (RH) (rear)	11. Seat recline knob	12. Seat slide knob	
13. Power seat switch	14. Slide finisher outer (RH)	15. Front slide finisher (RH)	C
16. Front slide finisher (LH)	17. Seat frame assembly	18. Occupant Classification System control unit (except Mexico)	
19. Slide finisher outer (LH)	20. Seat cushion outer finisher (LH)	21. Seat belt buckle	D
22. Seat cushion inner finisher (LH) (rear)	23. Seat cushion inner finisher (LH) (front)	24. Rear slide finisher	
25. Seatback board	26. Seat harness	27. Seatback assembly	E
28. Headrest holder (locked)	29. Headrest holder (free)	30. Lower blower duct	
31. Blower motor with filter	32. Climate controlled seat control unit	33. Thermal electric device clip	
34. Upper blower duct clip	35. Upper blower duct	36. Angle duct	F
37. Seatback thermal electric device	38. Thermal electric device nozzle	39. Lower rear cover	
40. Thermal electric device bracket	41. Thermal electric device harness bracket	42. Blower motor bracket	G
43. Thermal electric device nozzle	44. Seat cushion thermal electric device		

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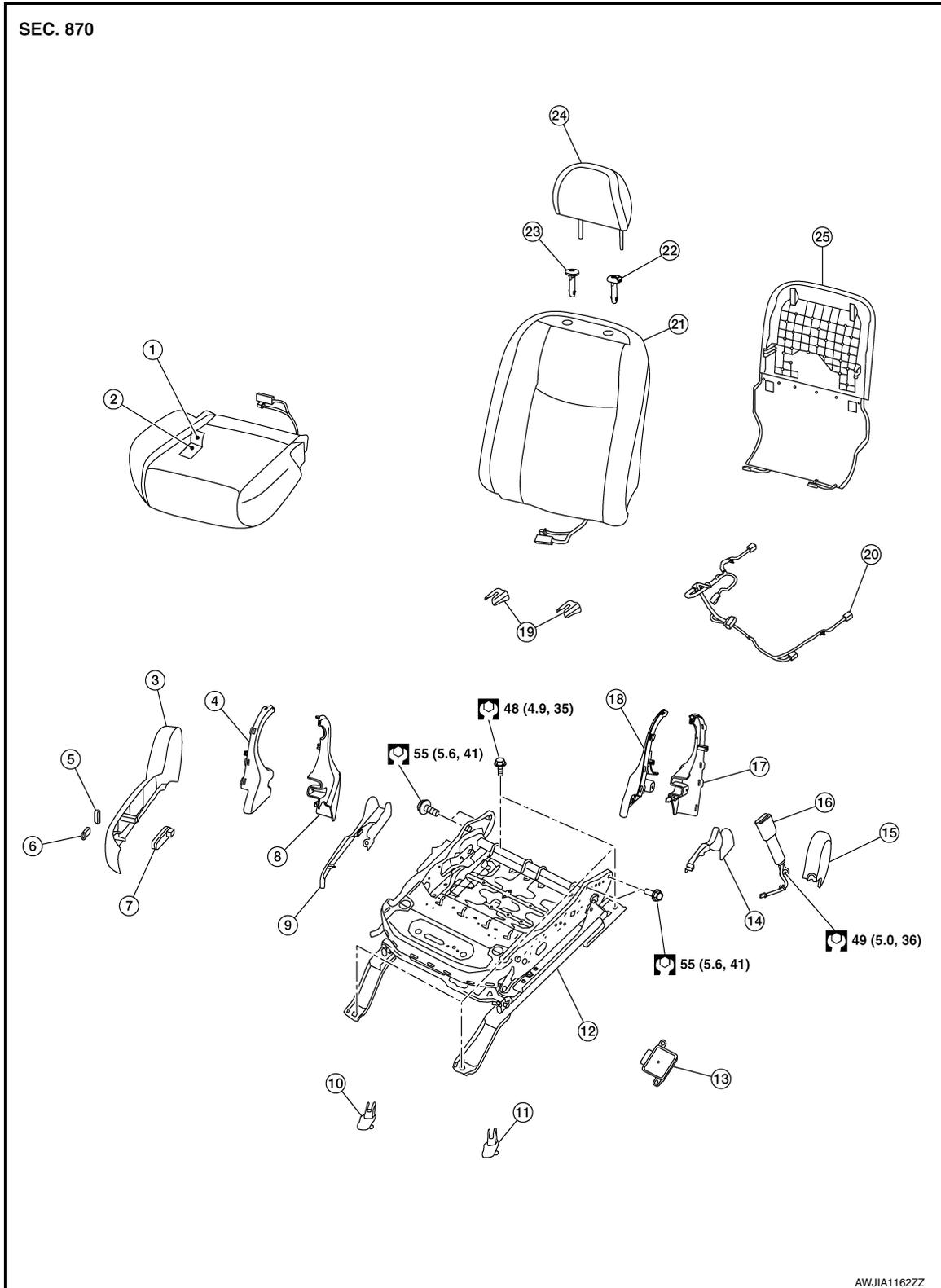
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# FRONT SEAT

< UNIT DISASSEMBLY AND ASSEMBLY >

## PASSENGER SEAT WITHOUT CLIMATE CONTROL



- |                                     |                                            |                                     |
|-------------------------------------|--------------------------------------------|-------------------------------------|
| 1. Seat cushion trim                | 2. Seat cushion pad                        | 3. Seat cushion outer finisher (RH) |
| 4. Seat cushion inner finisher (RH) | 5. Seat recline knob                       | 6. Seat slide knob                  |
| 7. Power seat switch                | 8. Seat cushion inner finisher (RH) (rear) | 9. Slide finisher outer (RH)        |
| 10. Front slide finisher (RH)       | 11. Front slide finisher (LH)              | 12. Seat frame assembly             |

# FRONT SEAT

## < UNIT DISASSEMBLY AND ASSEMBLY >

13. Occupant Classification System control unit (except Mexico)	14. Slide finisher outer (LH)	15. Seat cushion outer finisher (LH)
16. Seat belt buckle	17. Seat cushion inner finisher (LH) (rear)	18. Seat cushion inner finisher (LH) (front)
19. Rear slide finisher	20. Seat harness	21. Seatback assembly
22. Headrest holder (locked)	23. Headrest holder (free)	24. Headrest
25. Seatback board		

## Seatback

INFOID:000000009716090

### DISASSEMBLY

#### **WARNING:**

Do not leave any objects (screwdrivers, tools, etc.) on the seat during seatback repair. It can lead to personal injury if the side air bag module should accidentally deploy.

#### **CAUTION:**

- Before servicing, turn the ignition switch OFF, disconnect both battery terminals then wait at least three minutes.
- Always work from the side or back of the seatback, do not work in front of seat.
- Do not use air tools or electric tools for servicing the seat assembly.
- Do not insert any objects into the side air bag module.
- Do not attempt to disassemble the side air bag module.
- Do not expose the side air bag module to temperatures exceeding 90°C (194°F).
- Do not expose the side air bag module to any oil, grease, detergent or water.
- During disassembly, do not damage the seatback board, connectors, retainers, clips, module harness or the side air bag module.

#### **NOTE:**

- If the vehicle has been involved in a collision and the side air bag module has deployed, the seatback must be replaced.
  - Front seat (LH) shown; front seat (RH) similar.
1. Remove front seat. Refer to [SE-113, "Removal and Installation"](#).
  2. Remove the seatback board. Refer to [SE-114, "Seatback Board"](#).
  3. Remove the headrest.

For headrest without display unit:

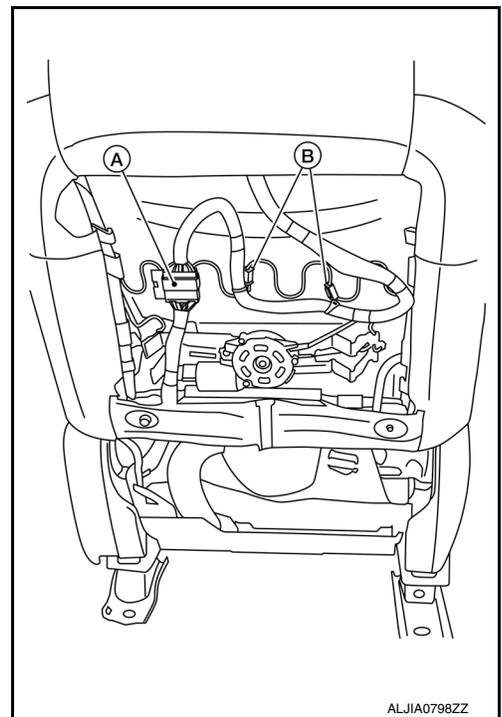
Press the headrest holder lock button and lift headrest up to remove from the seat back assembly.

For headrest with display unit:

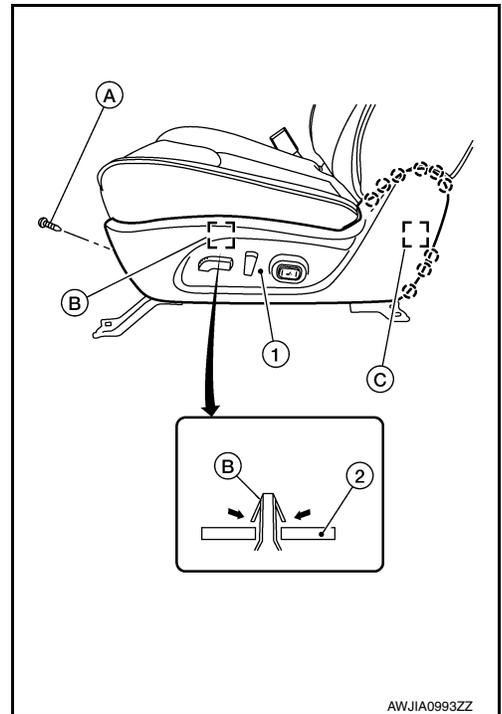
## FRONT SEAT

### < UNIT DISASSEMBLY AND ASSEMBLY >

1. Release the headrest harness clips (B) and disconnect the harness connector (A).
2. Press the headrest holder lock button and lift headrest up to remove from the seatback assembly.
3. Route the headrest harness through the top of the seatback assembly.



4. Remove the seat cushion outer finisher (LH) (1).
  - a. Remove screw (A).
  - b. Release metal clip (B) from the seat frame assembly (2), as shown.  
□: Metal clip
  - c. Release pawls and metal clip (C), and remove.  
○: Pawl  
□: Metal clip



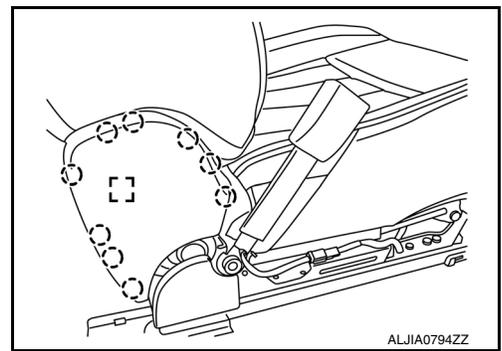
- d. Disconnect the harness connectors from the power seat switch and the lumbar support switch (if equipped).

# FRONT SEAT

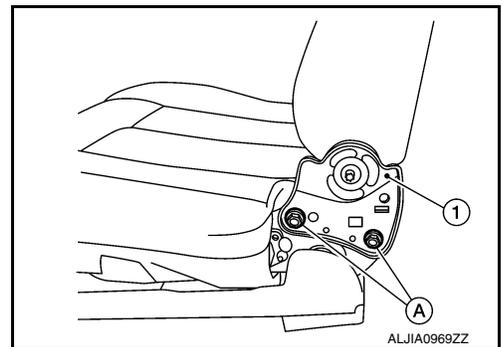
## < UNIT DISASSEMBLY AND ASSEMBLY >

5. Release pawls and metal clip, and remove the seat cushion outer finisher (RH).

- Pawl
- Metal clip

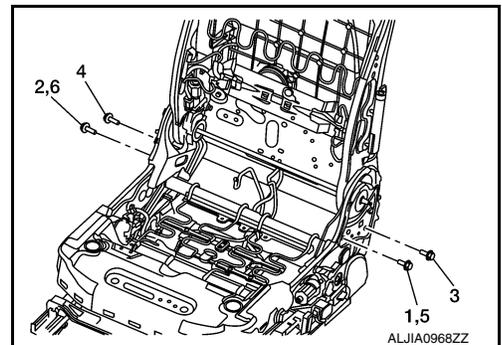


6. Remove the lumbar lever (if equipped).
7. Unclip the side air bag module harness from the seat frame assembly.  
**NOTE:**  
Take note of harness routing and attachment location for correct installation.
8. Disconnect the harness connector from the lumbar support motor (if equipped) and unclip the harness from the seatback assembly.  
**NOTE:**  
Take note of harness routing and attachment location for correct installation.
9. Disconnect the harness connector for the seatback heater (if equipped).  
**NOTE:**  
Take note of harness routing and attachment location for correct installation.
10. Disconnect the harness connector from the seatback thermal electric device (if equipped) and unclip the harness from the seatback assembly.  
**NOTE:**  
Take note of harness routing and attachment location for correct installation.
11. Remove the upper blower duct tie straps from the seatback thermal electric device and discard, then remove the upper blower duct from the seatback thermal electric device (if equipped).  
**NOTE:**  
Do not reuse the tie straps for thermal electric device upper or upper blower duct, discard them.
12. Remove the seat cushion inner finisher (LH/RH) (front) and seat cushion inner finisher (LH/RH) (rear).
13. Remove bolts (A) on both sides of the seatback assembly (1).



## ASSEMBLY

- Install all seatback assembly bolts and tighten evenly in the order shown.
- Tighten the seatback assembly bolts to specification. Refer to [SE-139](#). "Exploded View".



# FRONT SEAT

## < UNIT DISASSEMBLY AND ASSEMBLY >

### CAUTION:

- Always route side air bag module harness in original location. Replace any deformed or damaged clips with same type and color. Always install clips in the original location in the harness.
- After work is completed, check that no system malfunction is detected causing the air bag warning lamp to illuminate.
- If a malfunction is detected by the air bag warning lamp after repair or replacement of the malfunction parts, perform the SRS final check. Refer to [SRC-17, "SRS Final Check"](#).

## Seat Cushion

INFOID:000000009716091

### DISASSEMBLY

#### WARNING:

Do not leave any objects (screwdrivers, tools, etc.) on the seat during seat cushion repair. It can lead to personal injury if the side air bag module should accidentally deploy.

#### CAUTION:

- Before servicing, turn the ignition switch OFF, disconnect both battery terminals and wait at least three minutes.
- Always work from the side or back of the seatback assembly, do not work in front of seat.
- Do not use air tools or electric tools for servicing the seat assembly.

#### NOTE:

Front seat (LH) shown; front seat (RH) similar.

1. Remove the front seat. Refer to [SE-113, "Removal and Installation"](#).

2. Remove the seat cushion outer finisher (LH) (1).

a. Remove screw (A).

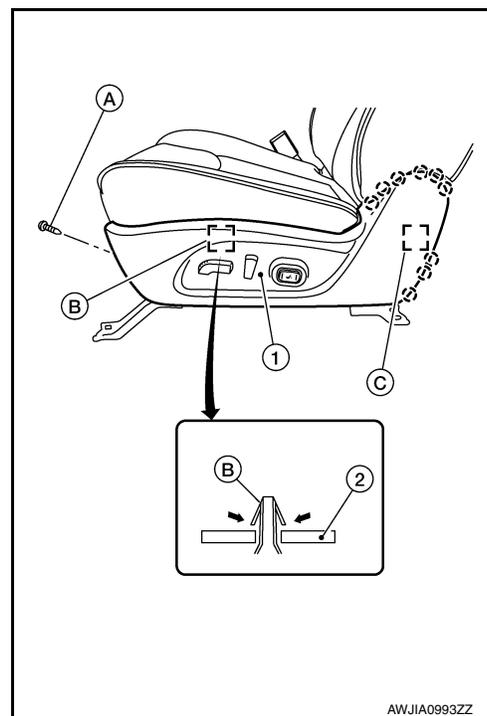
b. Release metal clip (B) from the seat frame assembly (2), as shown.

 Metal clip

c. Release pawls and metal clip (C), and remove.

 Pawl

 Metal clip

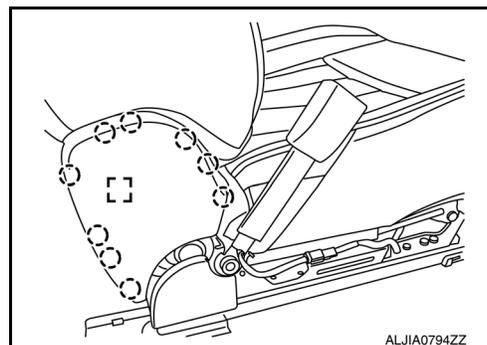


d. Disconnect the harness connectors from the power seat switch and the lumbar support switch (if equipped).

3. Release pawls and metal clip and remove the seat cushion outer finisher (RH).

 Pawl

 Metal clip



## FRONT SEAT

### < UNIT DISASSEMBLY AND ASSEMBLY >

4. Release the two seatback board J-clip retainers from the seat frame assembly.
5. Remove the four screws and the seat cushion lower rear finisher.
6. Release the seven seat cushion J-clips holding the seat cushion trim to the seat frame assembly.
7. Remove the seat cushion trim and seat cushion pad as an assembly from the seat frame assembly.
8. Remove the hog rings and separate the seat cushion trim and seat cushion pad.

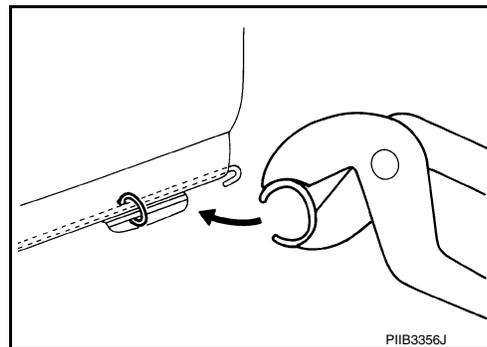
**NOTE:**

Remove all pieces of hog rings and discard them.

### ASSEMBLY

Assembly is in the reverse order of disassembly.

- Install new hog rings on the seat cushion trim in original positions.
- Use only one hog ring in each designated location.
- Make sure hog rings are correctly fastened around both the seat cushion trim and seat cushion pad wires.
- Use INFINITI standard hog rings and tools to assemble.
- Make sure hook fastener is pressed into place after seat cushion trim is assembled.
- Smooth out all wrinkles during assembly.



**CAUTION:**

- Always route side air bag module harness in original location. Replace any deformed or damaged clips with same type and color. Always install clips in the original location in the harness.
- After work is completed, check that no system malfunction is detected causing the air bag warning lamp to illuminate.
- If a malfunction is detected by the air bag warning lamp after repair or replacement of the malfunction parts, perform the SRS final check. Refer to [SRC-17, "SRS Final Check"](#).

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SE

# SECOND ROW SEAT

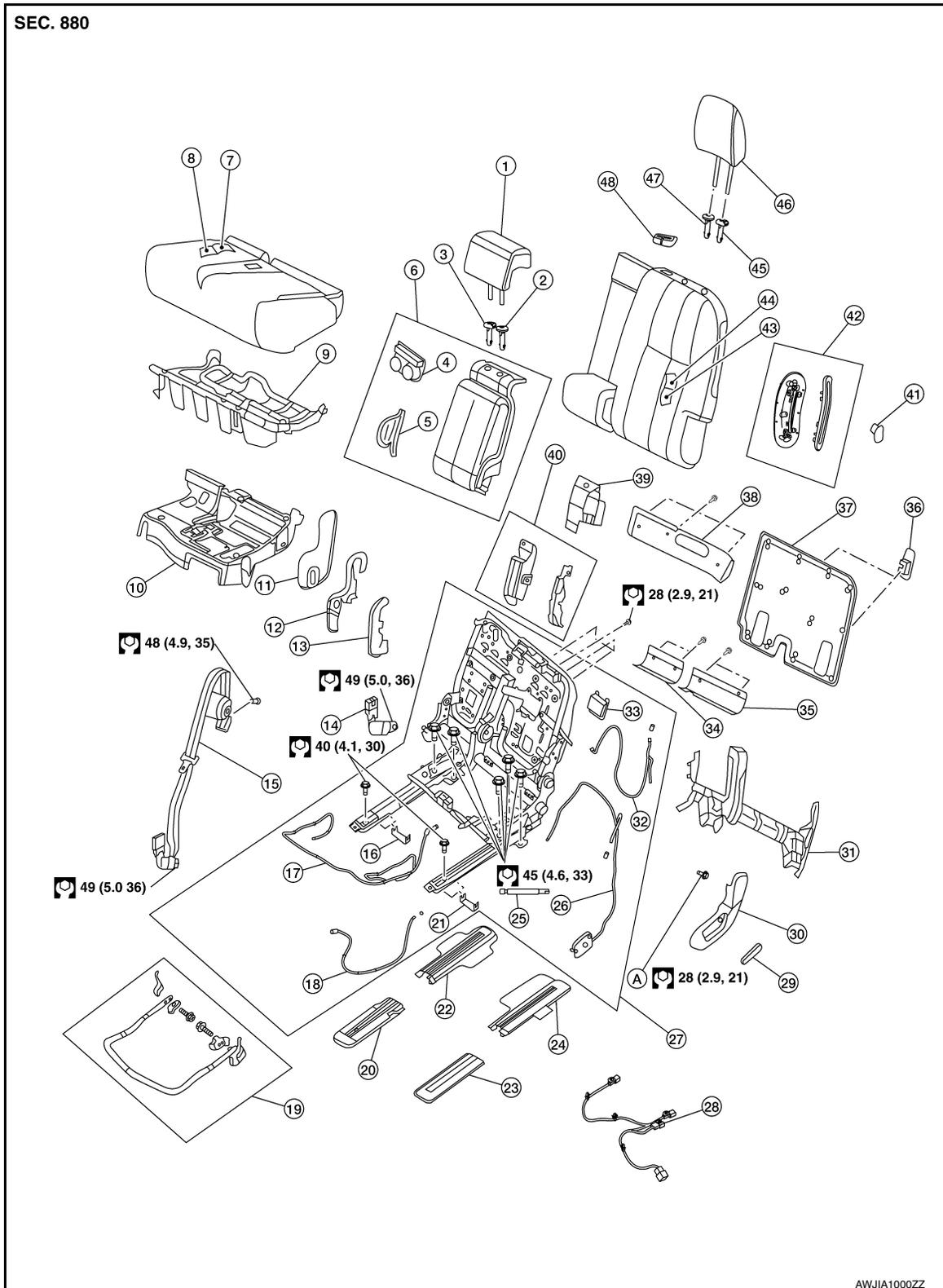
< UNIT DISASSEMBLY AND ASSEMBLY >

## SECOND ROW SEAT

Exploded View

INFOID:00000009716092

LH SEAT



AWJIA1000ZZ

- |                  |                                |                                  |
|------------------|--------------------------------|----------------------------------|
| 1. Headrest (RH) | 2. Headrest holder (free) (RH) | 3. Headrest holder (locked) (RH) |
| 4. Cup holder    | 5. Armrest hinge finisher      | 6. Armrest assembly              |

## SECOND ROW SEAT

### < UNIT DISASSEMBLY AND ASSEMBLY >

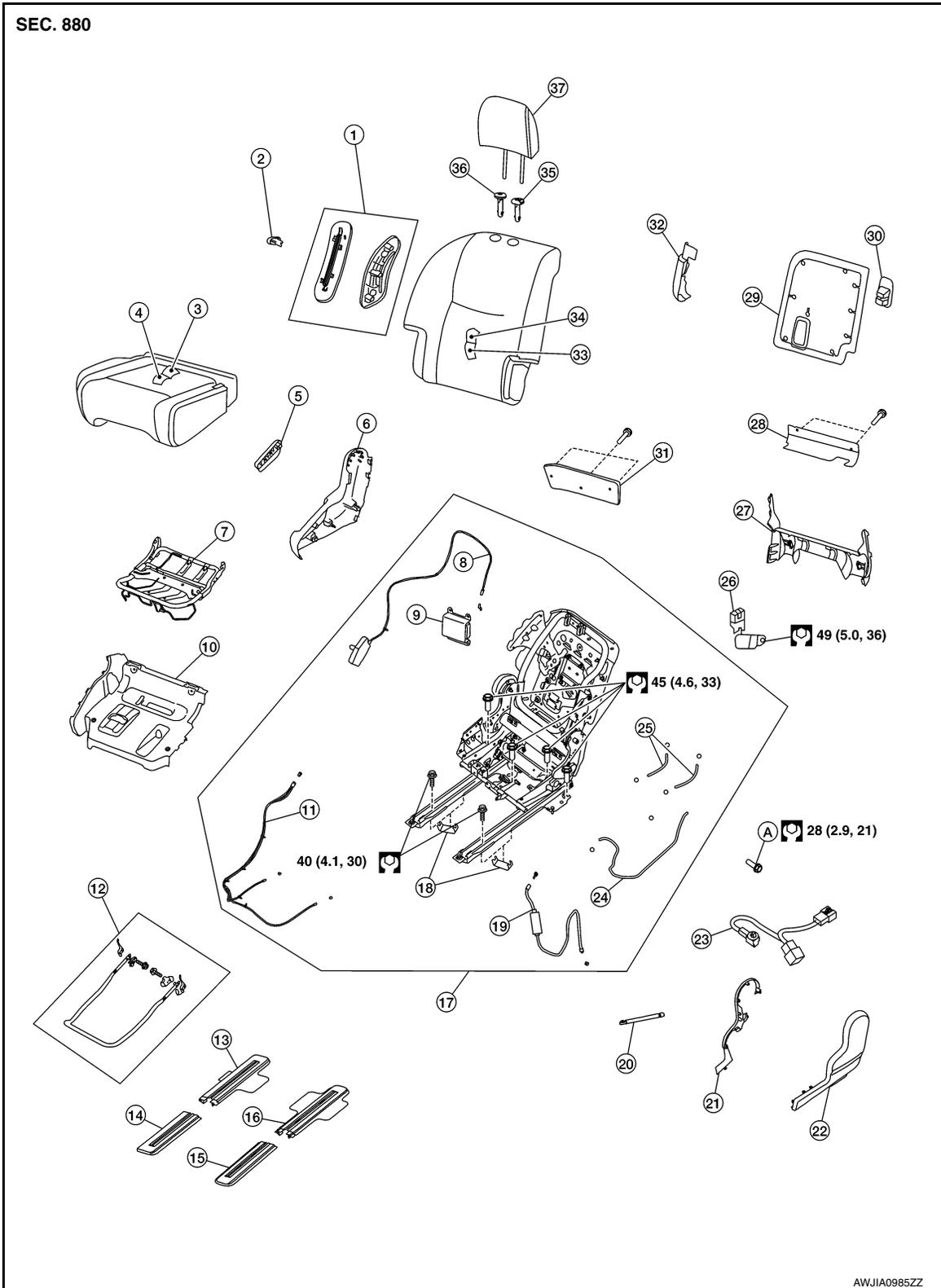
7. Seat cushion trim	8. Seat cushion pad	9. Seat cushion frame	A
10. Seat cushion latch finisher	11. Outer finisher (RH)	12. Inner finisher (RH)	
13. Recline finisher (center)	14. Seat belt buckle (RH)	15. Seat belt retractor (center)	
16. Seat slide clip (RH)	17. Seat slide release cable	18. Seat cushion release cable	B
19. Seat slide control lever assembly	20. Front slide finisher (RH)	21. Seat slide clip (LH)	
22. Rear slide finisher (RH)	23. Front slide finisher (LH)	24. Rear slide finisher (LH)	
25. Support strut	26. Recline release cable assembly	27. Seat frame assembly	C
28. Seat harness	29. Recline lever	30. Seat cushion outer finisher LH	
31. Rear finisher	32. EZ entry cable	33. Dampener	
34. Trim stiffener (RH)	35. Trim stiffener (LH)	36. Tether anchor finisher	D
37. Seatback board	38. EPP upper panel	39. Seat belt retractor finisher	
40. Support finisher (RH)	41. EZ entry lever finisher	42. EZ entry finisher	
43. Seatback pad	44. Seatback trim	45. Headrest holder (locked) (LH)	E
46. Headrest (LH)	47. Headrest holder (free) (LH)	48. Seat belt retractor finisher	
A. Seat cushion pivot bolt			F

**SE**

# SECOND ROW SEAT

< UNIT DISASSEMBLY AND ASSEMBLY >

RH SEAT



- |                                 |                                   |                                       |
|---------------------------------|-----------------------------------|---------------------------------------|
| 1. EZ entry finisher            | 2. EZ entry lever finisher        | 3. Seat cushion trim                  |
| 4. Seat cushion pad             | 5. Recline lever                  | 6. Seat cushion outer finisher (RH)   |
| 7. Seat cushion frame           | 8. Recline release cable assembly | 9. Dampener                           |
| 10. Seat cushion latch finisher | 11. Track tilt release cable      | 12. Seat slide control lever assembly |
| 13. Rear slide finisher (RH)    | 14. Front slide finisher (RH)     | 15. Front slide finisher (LH)         |
| 16. Rear slide finisher (LH)    | 17. Seat frame assembly           | 18. Seat slide clip                   |

## SECOND ROW SEAT

### < UNIT DISASSEMBLY AND ASSEMBLY >

- |                              |                              |                                |
|------------------------------|------------------------------|--------------------------------|
| 19. EZ entry cable           | 20. Support strut            | 21. Inner finisher (LH)        |
| 22. Outer finisher (LH)      | 23. Seat harness             | 24. Seat cushion release cable |
| 25. Seat slide release cable | 26. Seat belt buckle         | 27. Rear finisher              |
| 28. Trim stiffener           | 29. Seatback board           | 30. Tether anchor finisher     |
| 31. EPP upper panel          | 32. Support finisher         | 33. Seatback pad               |
| 34. Seatback trim            | 35. Headrest holder (locked) | 36. Headrest holder (free)     |
| 37. Headrest                 | A. Seat cushion pivot bolt   |                                |

## LH SEAT

### LH SEAT : Seatback

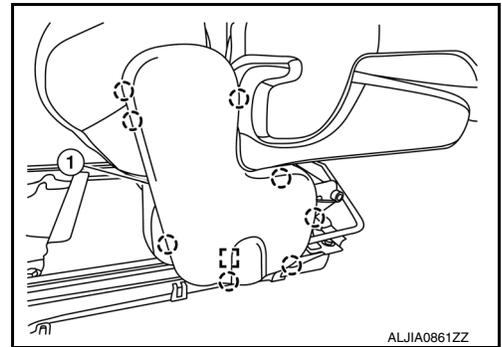
INFOID:000000009716093

#### DISASSEMBLY

- Remove the LH seat. Refer to [SE-121, "Removal and Installation"](#).
- Remove the LH seat cushion. Refer to [SE-124, "Seat Cushion"](#).
- Remove the armrest assembly. Refer to [SE-123, "Armrest Assembly"](#).
- Release pawls and metal clip, and remove the outer finisher (RH) (1).

○: Pawl

□: Metal clip



- Release the seatback heater harness (if equipped) from all attachments.

#### NOTE:

Take note of harness routing and attachment locations for correct installation.

- Release pawls and remove the recliner finisher (center) (1).

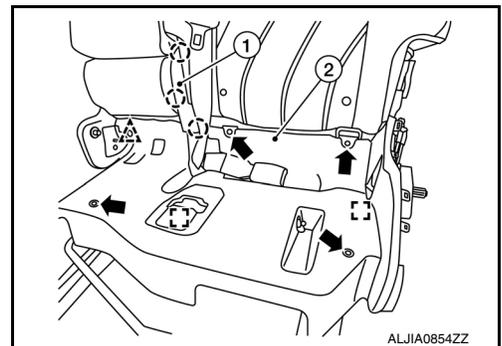
○: Pawl

- Release clip.

△: Clip

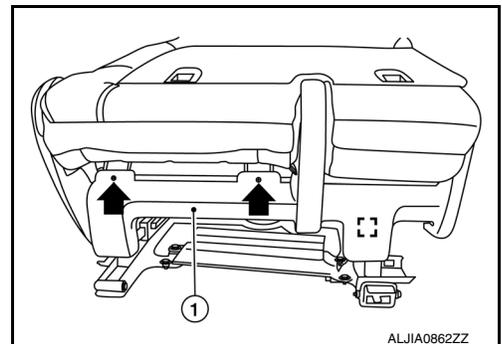
- Remove screws (←), then release metal clips and remove the seat cushion latch finisher (2).

□: Metal clip



- Remove screws (←), then release metal clip and remove the rear finisher (1).

□: Metal clip



- Remove seat belt retractor (center) bottom anchor bolt.

- Remove the headrest (LH).

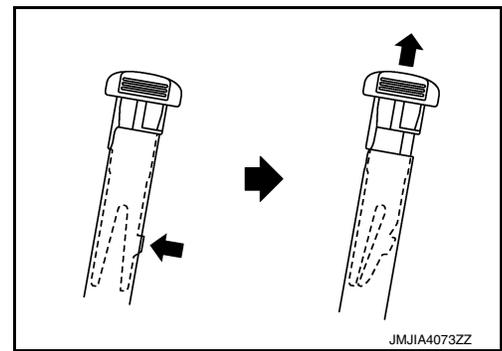
## SECOND ROW SEAT

### < UNIT DISASSEMBLY AND ASSEMBLY >

12. Reach up behind the seatback pad, release the headrest holder locks as shown and remove the headrest holders.

**CAUTION:**

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



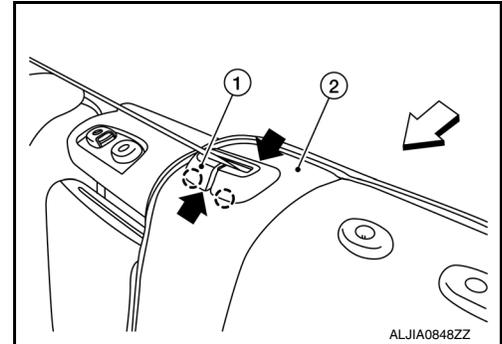
13. Remove the seat belt retractor finisher (1) from seatback (2).

- a. Release pawls using a suitable tool and lift front (←) of seat belt retractor finisher.

○: Pawl

- b. Push on rear (←) of seat belt retractor finisher to remove.

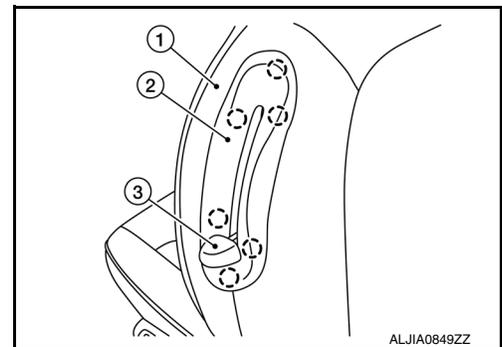
⇐: Front



14. Remove EZ entry lever finisher (3) by pulling firmly.

15. Release pawls and remove EZ entry finisher (2) from seatback (1).

○: Pawl



16. Remove the seatback pad and seatback trim (2).

- a. Release the J-clip retainer (←) at the rear lower edge of seatback.

- b. Remove five clips that retain seatback trim in place.

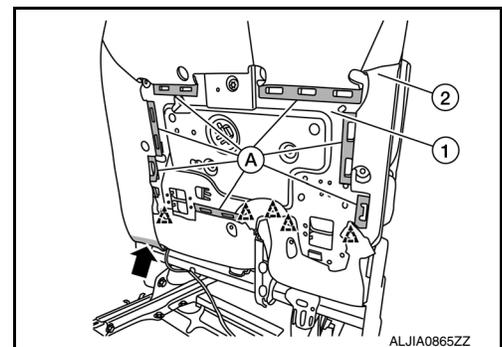
△: Clip

- c. Release retainer strips (A) from the seat frame assembly.

- d. Release clips that retain trim behind EZ entry finisher.

- e. Remove the seatback pad and seatback trim as an assembly from the seat frame assembly (1).

- f. Route the seat belt through the opening in the seatback trim.



17. Separate the seatback trim (1) from the seatback pad.

- a. Pull seatback trim upward in front to release hook fasteners (A).

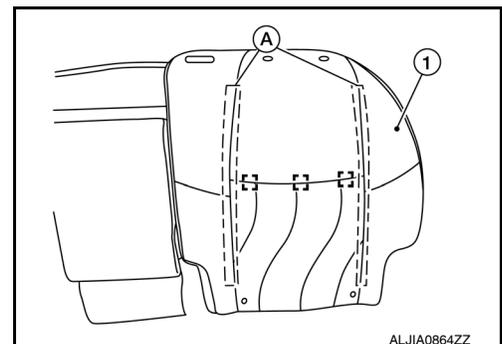
- b. Remove hog rings and separate the seatback trim from the seatback pad.

**NOTE:**

Remove all pieces of hog rings and discard them.

□: Hog ring

- c. Route the seatback heater harness (if equipped) through the opening in the seatback trim.



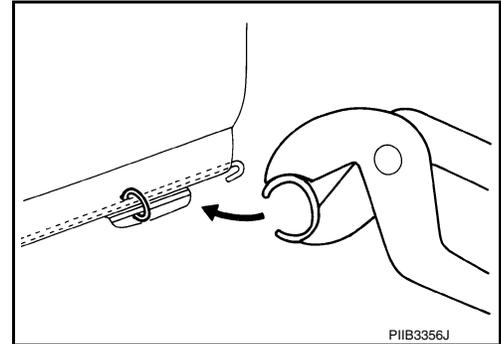
## SECOND ROW SEAT

### < UNIT DISASSEMBLY AND ASSEMBLY >

#### ASSEMBLY

Assembly is in the reverse order of disassembly.

- Install new hog rings on the seatback trim in original positions.
- Use only one hog ring in each designated location.
- Make sure hog rings are correctly fastened around both the seatback trim and seatback pad wires.
- Use INFINITI standard hog rings and tools to assemble.
- Make sure hook fastener is pressed into place after seatback trim is assembled.
- Smooth out all wrinkles during assembled.

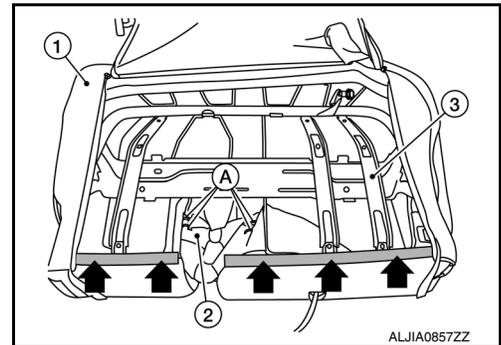


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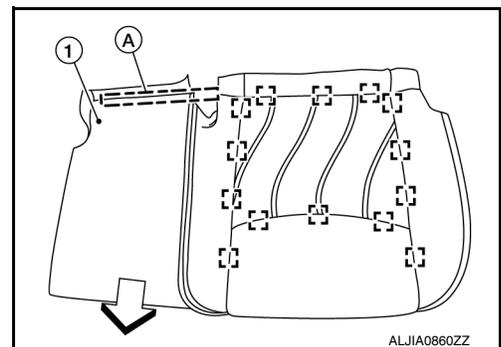
#### LH SEAT : Seat Cushion

#### DISASSEMBLY

1. Remove the LH seat cushion. Refer to [SE-124, "Seat Cushion"](#).
  2. Remove support strut from the LH seat cushion.
  3. Remove the seat cushion pad and seat cushion trim (1).
    - a. Unzip the back trim cover and release the J-clip retainers (←).
    - b. Remove four hog rings (A) near seat belt opening, to release seat cushion trim (2).
- NOTE:**  
Remove all pieces of hog rings and discard them.
- c. Remove the seat cushion pad and seat cushion trim as an assembly from the seat cushion frame (3).



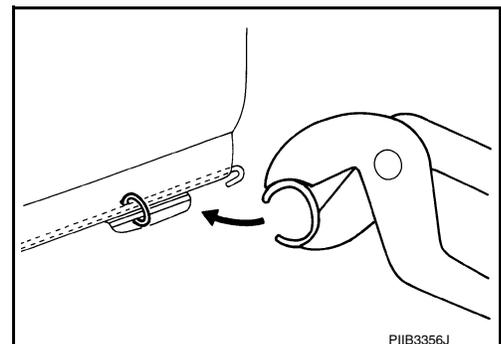
4. Separate the seat cushion trim (1) from the seat cushion pad.
    - a. Pull seat cushion trim up at rear to release hook fastener (A).  
←: Front
    - b. Remove hog rings and separate the seat cushion trim from the seat cushion pad.
- NOTE:**  
Remove all pieces of hog rings and discard them.
- : Hog ring
- c. Route the seat cushion heater harness (if equipped) through the opening in the seat cushion trim.



#### ASSEMBLY

Assembly is in the reverse order of disassembly.

- Install new hog rings on the seat cushion trim in original positions.
- Use only one hog ring in each designated location.
- Make sure hog rings are correctly fastened around both the seat cushion trim and seat cushion pad wires.
- Use INFINITI standard hog rings and tools to assemble.
- Make sure hook fastener is pressed into place after seat cushion trim is assembled.
- Smooth out all wrinkles during assembly.



## SECOND ROW SEAT

< UNIT DISASSEMBLY AND ASSEMBLY >

### RH SEAT

#### RH SEAT : Seatback

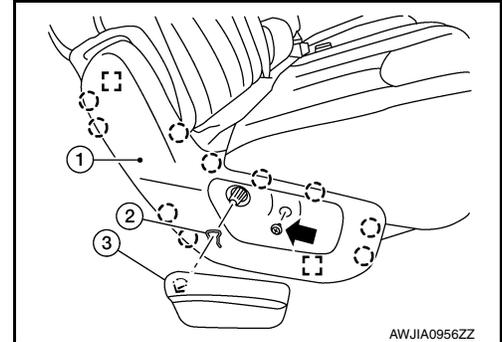
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#### DISASSEMBLY

1. Remove RH seat. Refer to [SE-121, "Removal and Installation"](#).
2. Remove RH seat cushion. Refer to [SE-124, "Seat Cushion"](#).
3. Remove the recline lever (3).
  - a. Remove snap ring (2) upward using a suitable tool.
  - b. Remove recline lever.
4. Remove screw (←).
5. Release pawls and metal clips, and remove the seat cushion outer finisher (RH) (1).

○: Pawl

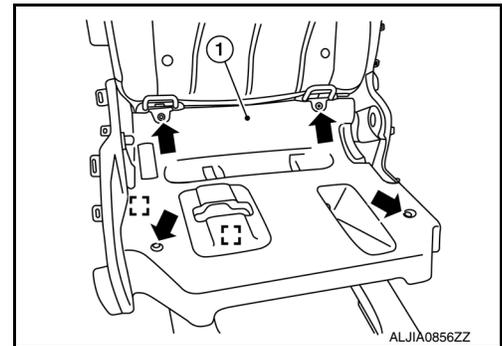
□: Metal clip



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6. Remove screws (←), then release metal clips and remove the seat cushion latch finisher (1).

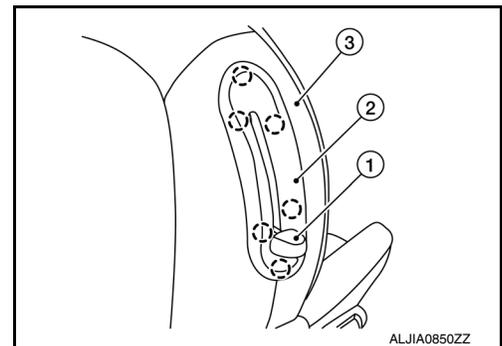
□: Metal clip



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7. Remove the rear finisher.
8. Release the seatback heater harness (if equipped) from attachments.  
**NOTE:**  
Note harness attachments and routing location for correct installation.
9. Remove the headrest.
10. Remove EZ entry lever finisher (1) by pulling firmly.
11. Release pawls and remove EZ entry finisher (2) from the seatback (3).

○: Pawl



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## SECOND ROW SEAT

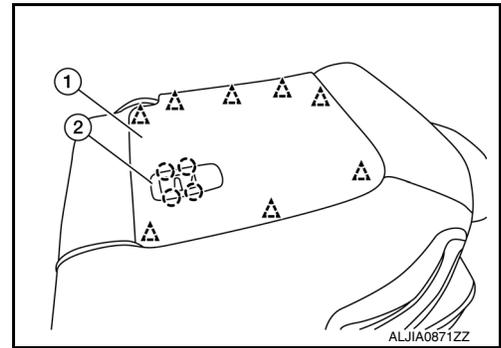
### < UNIT DISASSEMBLY AND ASSEMBLY >

12. Release pawls and remove the tether anchor finisher (2).

○: Pawl

13. Release clips and remove the seatback board (1).

△: Clip



14. Remove the seatback pad and seatback trim (1).

- a. Release the J-clip retainer (←) at the rear lower edge of seatback.

- b. Remove two clips that retain seatback trim in place.

△: Clip

- c. Remove two hog rings that retain seatback pad in place.

**NOTE:**

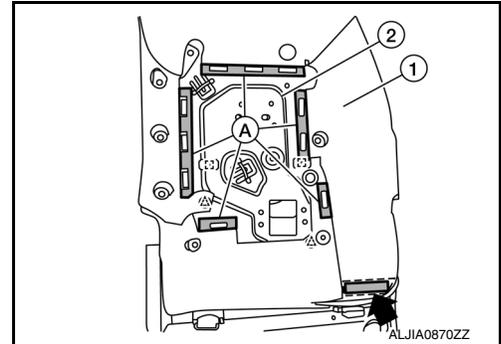
Remove all pieces of hog rings and discard them.

□: Hog ring

- d. Release retainer strips (A) from the seat frame assembly (2).

- e. Release clips that retain trim behind EZ entry finisher.

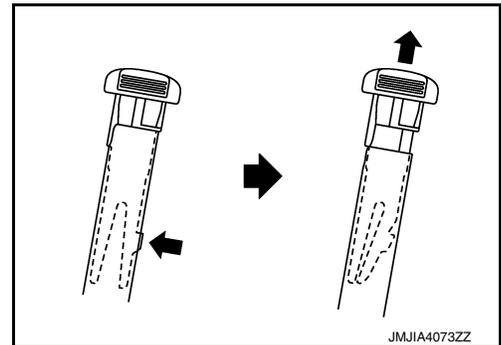
- f. Remove the seatback pad and seatback trim as an assembly from the seat frame assembly.



15. Reach up behind the seatback pad, release the headrest holder locks as shown and remove the headrest holders.

**CAUTION:**

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



16. Separate the seatback trim (1) from the seatback pad.

- a. Pull seatback trim upward in front to release hook fasteners (A).

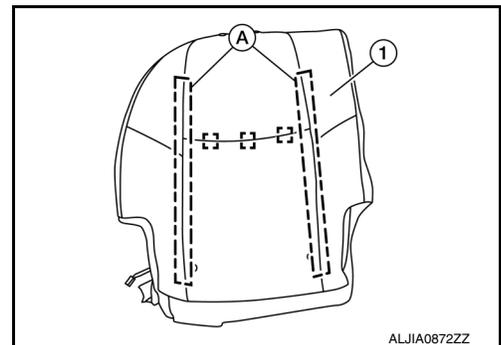
- b. Remove hog rings and separate the seatback trim from the seatback pad.

**NOTE:**

Remove all pieces of hog rings and discard them.

□: Hog ring

- c. Route the seatback heater harness (if equipped) through the opening in the seatback trim.



### ASSEMBLY

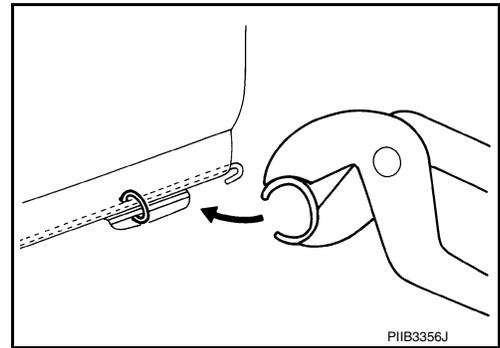
Assembly is in the reverse order of disassembly.

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## SECOND ROW SEAT

### < UNIT DISASSEMBLY AND ASSEMBLY >

- Install new hog rings on the seatback trim in original positions.
- Use only one hog ring in each designated location.
- Make sure hog rings are correctly fastened around both the seatback trim and seatback pad wires.
- Use INFINITI standard hog rings and tools to assemble.
- Make sure hook fastener is pressed into place after seatback trim is assembled.
- Smooth out all wrinkles during assembled.

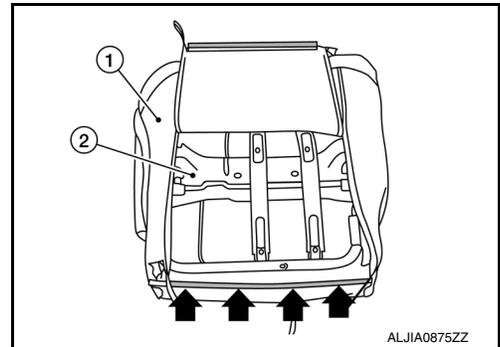


### RH SEAT : Seat Cushion

INFOID:000000009716096

#### DISASSEMBLY

1. Remove RH seat cushion. Refer to [SE-124. "Seat Cushion"](#).
2. Remove support strut from RH seat cushion.
3. Remove the seat cushion pad and seat cushion trim (1).
  - a. Unzip the back trim cover and release the J-clip retainer (←).
  - b. Remove the seat cushion pad and seat cushion trim as an assembly from the seat cushion frame (2).



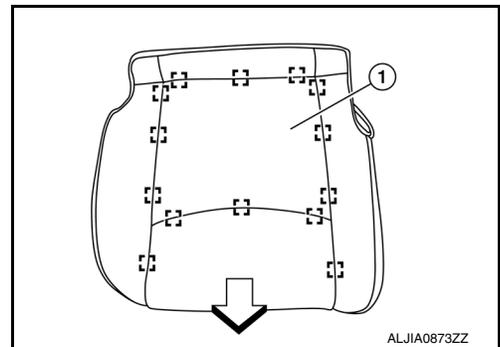
4. Separate the seat cushion trim (1) from the seat cushion pad.
  - a. Remove hog rings and separate the seat cushion trim from the seat cushion pad.

#### NOTE:

Remove all pieces of hog rings and discard them.

□: Hog ring

←: Front

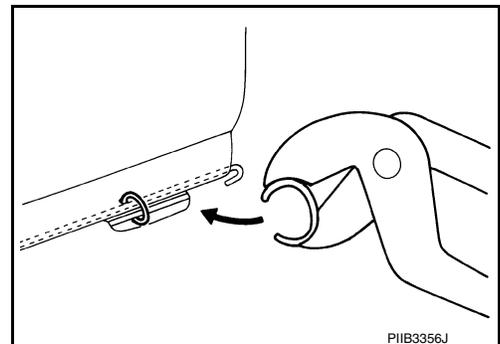


- b. Route the seat cushion heater harness (if equipped) through the opening in the seat cushion trim.

#### ASSEMBLY

Assembly is in the reverse order of disassembly.

- Install new hog rings on the seat cushion trim in original positions.
- Use only one hog ring in each designated location.
- Make sure hog rings are correctly fastened around both the seat cushion trim and seat cushion pad wires.
- Use INFINITI standard hog rings and tools to assemble.



# THIRD ROW SEAT

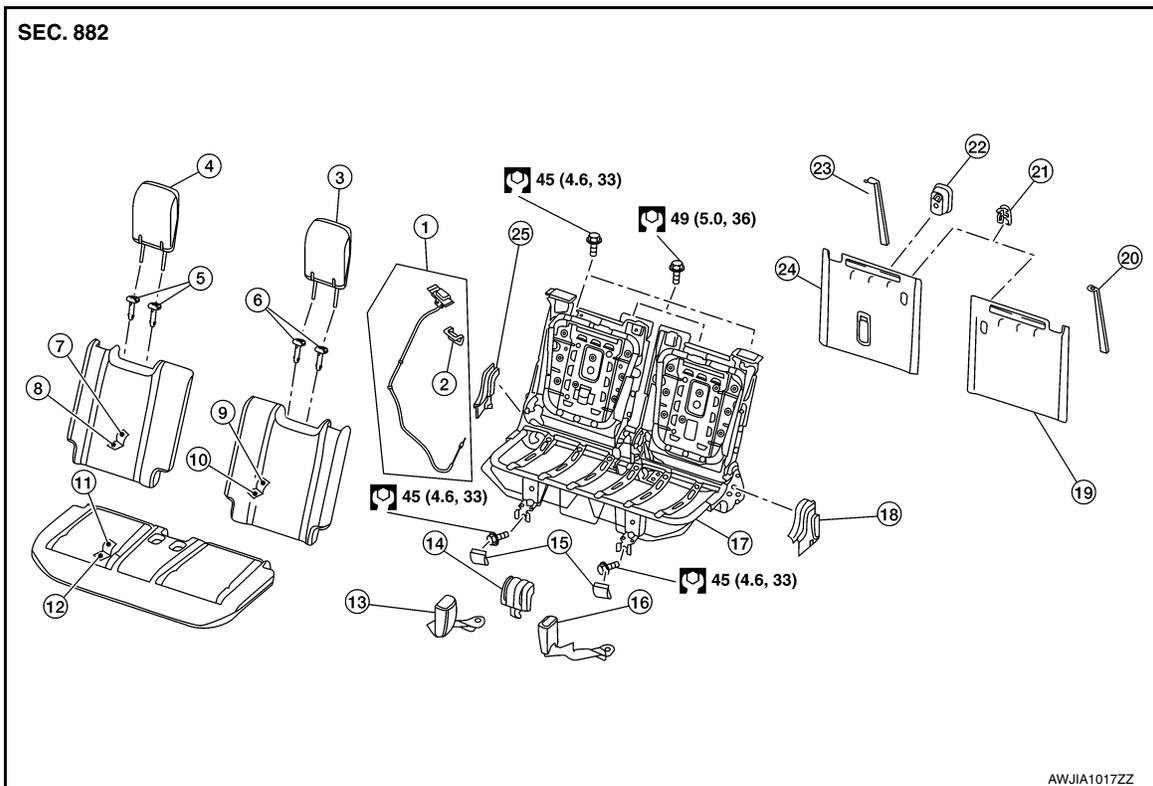
< UNIT DISASSEMBLY AND ASSEMBLY >

## THIRD ROW SEAT

Exploded View

INFOID:000000009716097

### MANUAL SEAT



- |                                             |                                            |                              |
|---------------------------------------------|--------------------------------------------|------------------------------|
| 1. Seatback release lever and cable (LH/RH) | 2. Seatback release lever finisher (LH/RH) | 3. Headrest (LH)             |
| 4. Headrest (RH)                            | 5. Headrest holders (RH)                   | 6. Headrest holders (LH)     |
| 7. Seatback trim (RH)                       | 8. Seatback pad (RH)                       | 9. Seatback trim (LH)        |
| 10. Seatback pad (LH)                       | 11. Seat cushion trim                      | 12. Seat cushion pad         |
| 13. Seat belt buckle (RH)                   | 14. Seat hinge finisher (center)           | 15. Seat bolt finisher       |
| 16. Seat belt buckle (LH)                   | 17. Seat frame assembly                    | 18. Seat hinge finisher (LH) |
| 19. Seatback board (LH)                     | 20. Seatback pull strap (LH)               | 21. Seatback cargo hook      |
| 22. Tether anchor finisher                  | 23. Seatback pull strap (RH)               | 24. Seatback board (RH)      |
| 25. Seatback hinge finisher (RH)            |                                            |                              |

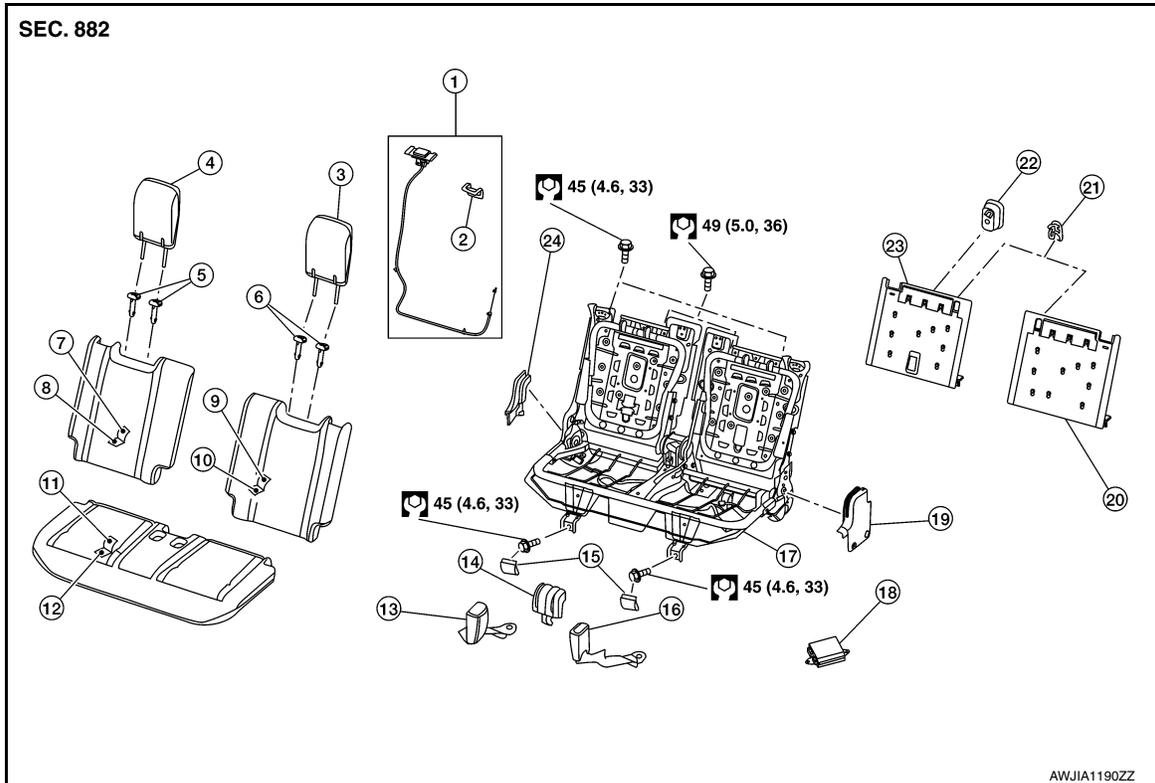
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SE

# THIRD ROW SEAT

< UNIT DISASSEMBLY AND ASSEMBLY >

## POWER SEAT



- |                                             |                                            |                                        |
|---------------------------------------------|--------------------------------------------|----------------------------------------|
| 1. Seatback release lever and cable (LH/RH) | 2. Seatback release lever finisher (LH/RH) | 3. Headrest (LH)                       |
| 4. Headrest (RH)                            | 5. Headrest holders (RH)                   | 6. Headrest holders (LH)               |
| 7. Seatback trim (RH)                       | 8. Seatback pad (RH)                       | 9. Seatback trim (LH)                  |
| 10. Seatback pad (LH)                       | 11. Seat cushion trim                      | 12. Seat cushion pad                   |
| 13. Seat belt buckle (RH)                   | 14. Seat hinge finisher (center)           | 15. Seat bolt finisher                 |
| 16. Seat belt buckle (LH)                   | 17. Seat frame assembly                    | 18. Seatback power return control unit |
| 19. Seat hinge finisher (LH)                | 20. Seatback board (LH)                    | 21. Seatback cargo hook                |
| 22. Tether anchor finisher                  | 23. Seatback board (RH)                    | 24. Seatback hinge finisher (RH)       |

## Seatback

INFOID:000000009716098

### SEATBACK

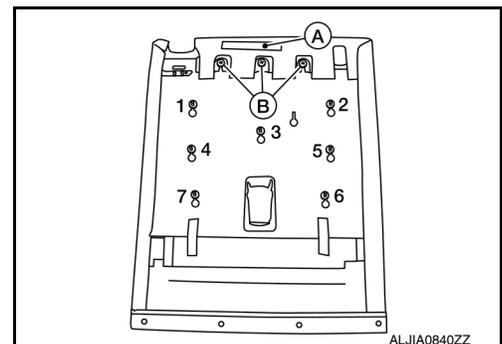
#### Disassembly

1. Remove the third row seat. Refer to [SE-135, "Removal and Installation"](#).
2. Release the pawls and remove the tether anchor finisher.
3. Remove the screw and the seatback cargo hook.
4. Press both headrest holder lock buttons in and lift headrest up, and remove.
5. Remove the seatback board.

#### NOTE:

Backside of seatback board shown for clarity.

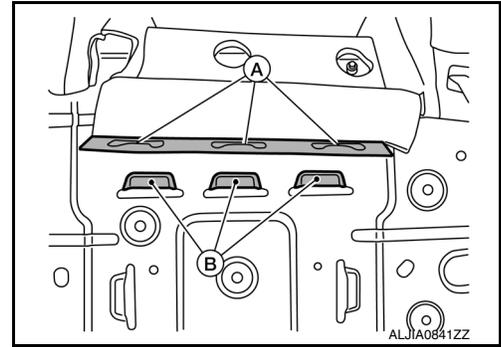
- a. Release the hook fastener (A) along the upper edge.
- b. Release three clips (B) that retain the seatback board to the seat frame assembly.
- c. Release the remaining clips in the order shown.



# THIRD ROW SEAT

## < UNIT DISASSEMBLY AND ASSEMBLY >

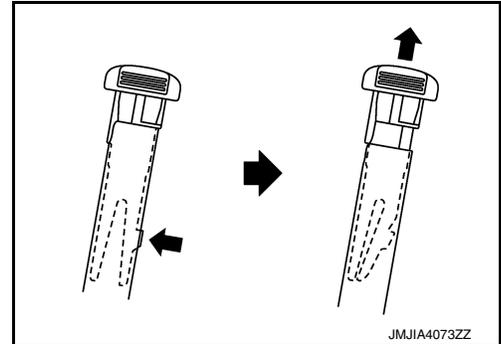
6. Remove the seatback trim and seatback pad.
  - a. Release retainer strip (A) from the seat frame assembly slots (B) on the top edge of the seat frame assembly.
  - b. Repeat at the lower and LH/RH edges.



- c. Reach up behind the seatback pad, release the headrest holder locks as shown and remove the headrest holders.

**CAUTION:**

**Before removing/installing headrest holder, check its orientation (front/rear and right/left).**



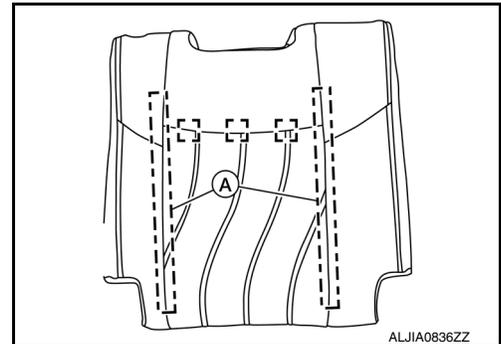
- d. Remove the seatback pad and seatback trim as an assembly from the seat frame assembly.
7. Separate the seatback trim from the seatback pad.

- a. Pull seatback trim upward in front to release hook fasteners (A).
- b. Remove hog rings and separate the seatback trim from the seatback pad.

**NOTE:**

Remove all pieces of hog rings and discard them.

[ ] Hog ring



8. Remove the screw and the seatback pull strap (except power seat).
9. Remove the seatback release lever and cable.

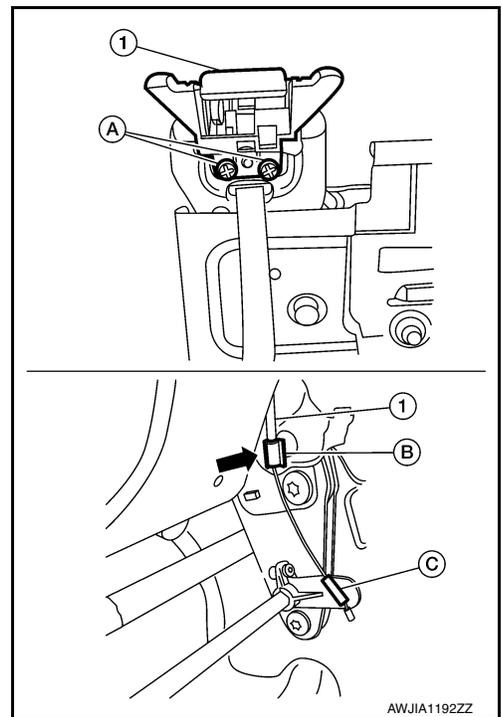
For manual seat

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## THIRD ROW SEAT

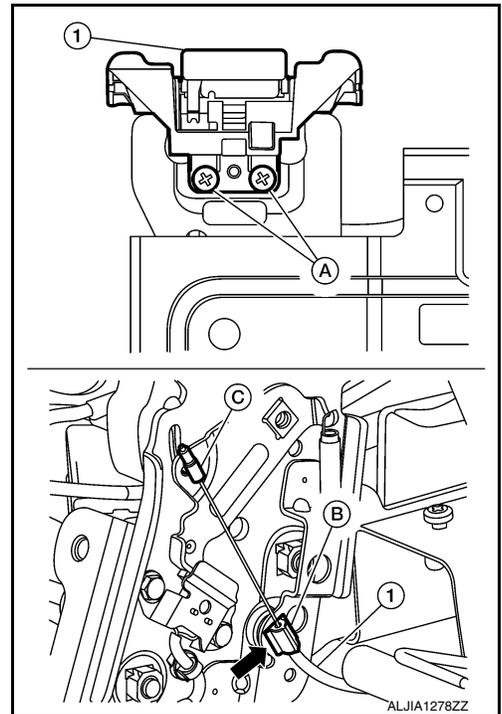
### < UNIT DISASSEMBLY AND ASSEMBLY >

1. Remove the screws (A) and unclip the cable from the seat frame assembly.  
**CAUTION:**  
**Note the cable routing for correct installation.**
2. Release cable end (B) as shown from the seat frame assembly.
3. Rotate cable end (C) and remove the seatback release lever and cable (1).



For power seat

1. Remove screws (A) and unclip the cable from the seat frame assembly.  
**CAUTION:**  
**Note the cable routing for correct installation.**
2. Release cable end (B) as shown from the seat frame assembly.
3. Rotate cable end (C) and remove the seatback release lever and cable (1).



Assembly

Assembly is in the reverse order of disassembly.

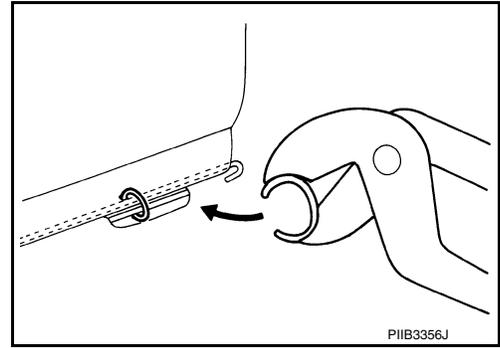
**CAUTION:**

**Route cable correctly for proper function.**

# THIRD ROW SEAT

## < UNIT DISASSEMBLY AND ASSEMBLY >

- Install new hog rings on the seatback trim in original positions.
- Use only one hog ring in each designated location.
- Make sure hog rings are correctly fastened around both the seatback trim and seatback pad wires.
- Use INFINITI standard hog rings and tools to assemble.
- Make sure hook fastener is pressed into place after seatback trim is assembled.
- Smooth out all wrinkles during assembly.

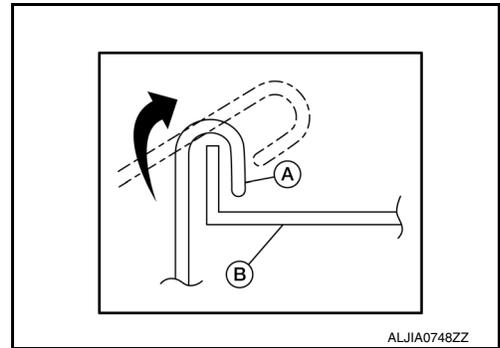


## Seat Cushion

INFOID:000000009716099

### DISASSEMBLY

1. Remove the third row seat. Refer to [SE-135. "Removal and Installation"](#).
2. Remove seat cushion pad and seat cushion trim.
  - a. Release the J-clips (A) holding the seat cushion trim to the seat frame (B).
  - b. Release the elastic band and remove the seat belt buckles (LH/RH) from the seat cushion.
  - c. Remove the seat cushion pad and seat cushion trim as an assembly from the seat frame assembly.

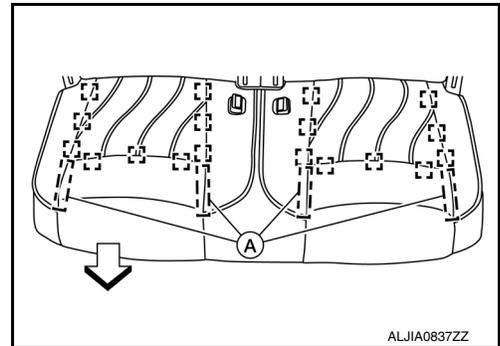


3. Separate the seat cushion trim from the seat cushion pad.
  - a. Pull seat cushion trim upward to release hook fasteners (A).
  - b. Remove hog rings and separate the seat cushion trim from the seat cushion pad.

**NOTE:**

Remove all pieces of hog rings and discard them.

- : Hog ring
- ⇐: Front

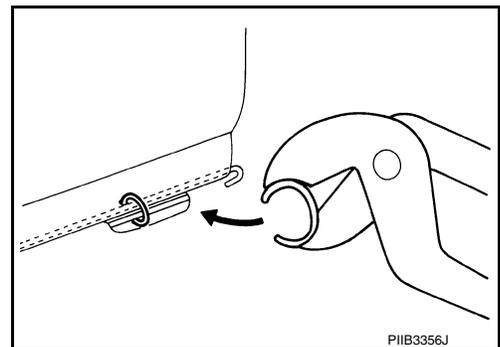


4. Remove the screw, release the metal clip and pawls, then remove the seat hinge finishers (LH/RH) from the seat frame.
5. Release the pawls and remove the seat hinge finisher (center) from the seat frame.

### ASSEMBLY

Assembly is in the reverse order of disassembly.

- Install new hog rings on the seat cushion trim in original positions.
- Use only one hog ring in each designated location.
- Make sure hog rings are correctly fastened around both the seat cushion trim and seat cushion pad wires.
- Use INFINITI standard hog rings and tools to assemble.
- Make sure hook fastener is pressed into place after seat cushion trim is assembled.
- Smooth out all wrinkles during assembly.



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