

SECTION **SE**
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PRECAUTIONS

< PRECAUTION >

PRECAUTION

PRECAUTIONS

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

INFOID:000000008956800

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. 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 3 minutes before performing any service.

Precaution for Work

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- 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.

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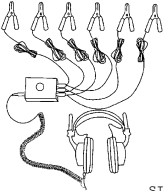
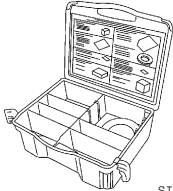
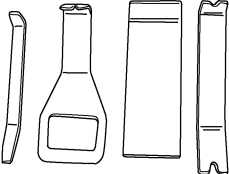
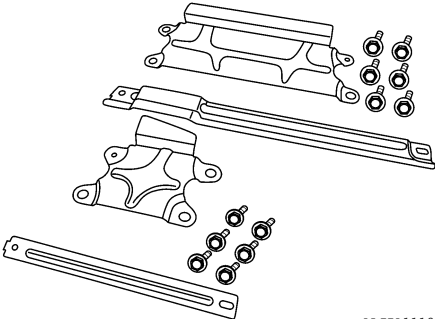
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Special Service Tool

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

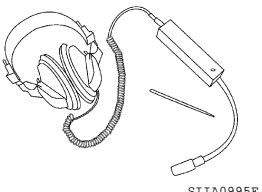
Tool number (Kent-Moore No.) Tool name	Description
<p>— (J-39570) Chassis Ear</p>  <p style="text-align: center;">SIIA0993E</p>	<p>Locating the noise</p>
<p>— (J-43980) NISSAN Squeak and Rattle Kit</p>  <p style="text-align: center;">SIIA0994E</p>	<p>Repairing the cause of noise</p>
<p>— (J-46534) Trim Tool Set</p>  <p style="text-align: center;">AWJIA0483ZZ</p>	<p>Removing trim components</p>
<p>— (J-51030) Seat Fixture Kit</p>  <p style="text-align: center;">ALJIA1118ZZ</p>	<p>Securing second row seat slides for removal and installation of seat assembly</p>

Commercial Service Tool

INFOID:000000008506704

PREPARATION

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(Kent-Moore No.) Tool name	Description
<p data-bbox="159 226 259 283">(J-39565) Engine Ear</p>  <p data-bbox="776 445 852 462">SIIA0995E</p>	Locating the noise

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CLIP LIST


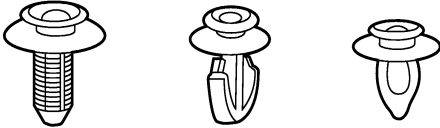


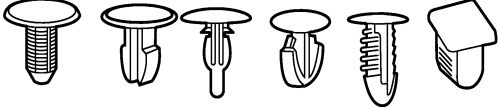
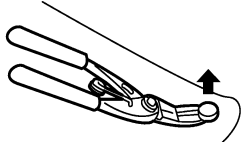

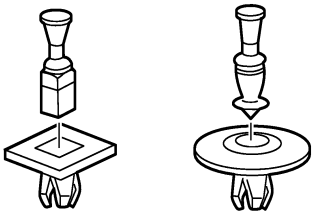
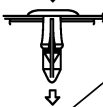
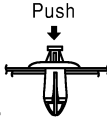

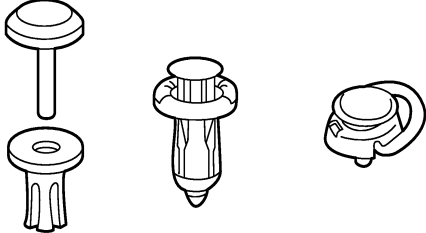
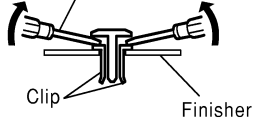

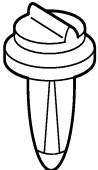
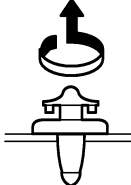
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CLIP LIST

Descriptions for Clips

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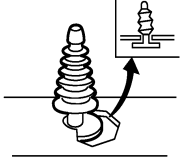
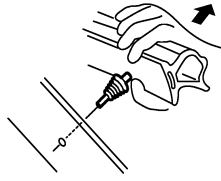

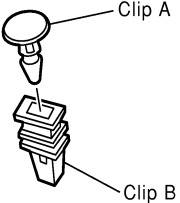
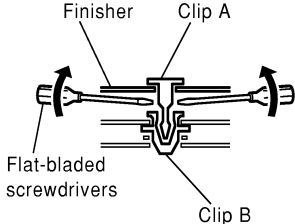

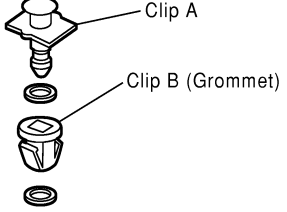
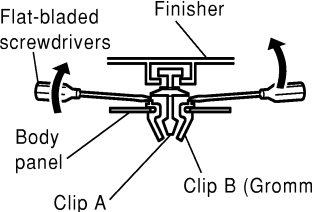


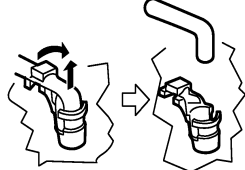

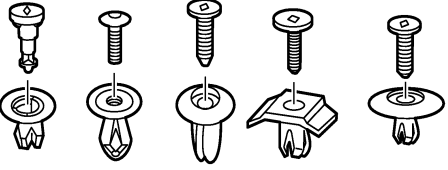

Replace any clips which are damaged during removal or installation.

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

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CLIP LIST

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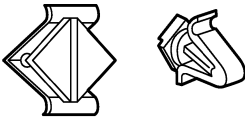

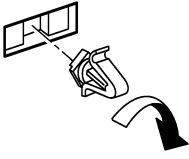

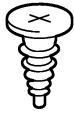



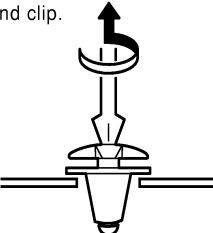


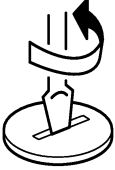
Symbol No.	Shapes	Removal & Installation
<p>CE103</p> 		<p>Removal:</p> 
<p>CF110</p> 		<p>Removal:</p> 
<p>CF118</p> 		<p>Removal:</p> 
<p>CR103</p> 		<p>Removal: Holder portion of clip must be spread out to remove rod.</p> 
<p>CS101</p> 		<p>Removal:</p> <ol style="list-style-type: none"> 1. Screw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

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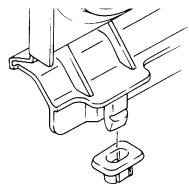
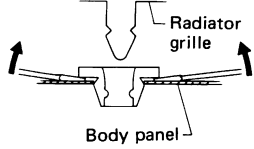
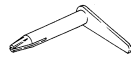
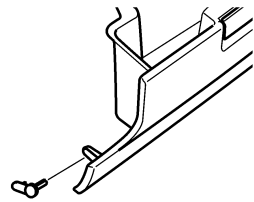
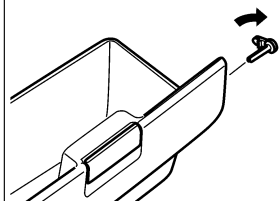

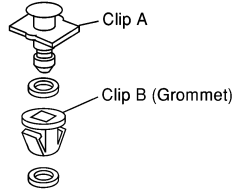
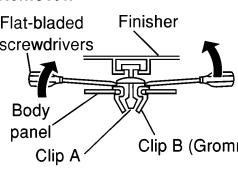
< PREPARATION >

Symbol No.	Shapes	Removal & Installation	
CG101 		Removal:  Rotate 45° to remove	Installation: 
CS102 			
CS113 		Removal: Disconnect upper connection of clip with a flat-bladed screwdriver, then remove clip while inserting a flat-bladed screwdriver between body panel and clip. 	
C111 			

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CLIP LIST

< PREPARATION >

Symbol No.	Shapes	Removal & Installation
<p>CG104</p> 		<p>Removal: Remove by bending up with flat-bladed screwdrivers.</p> 
<p>CE114</p> 		
<p>CF118</p> 		<p>Removal: Flat-bladed screwdrivers</p> 

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COMPONENT PARTS

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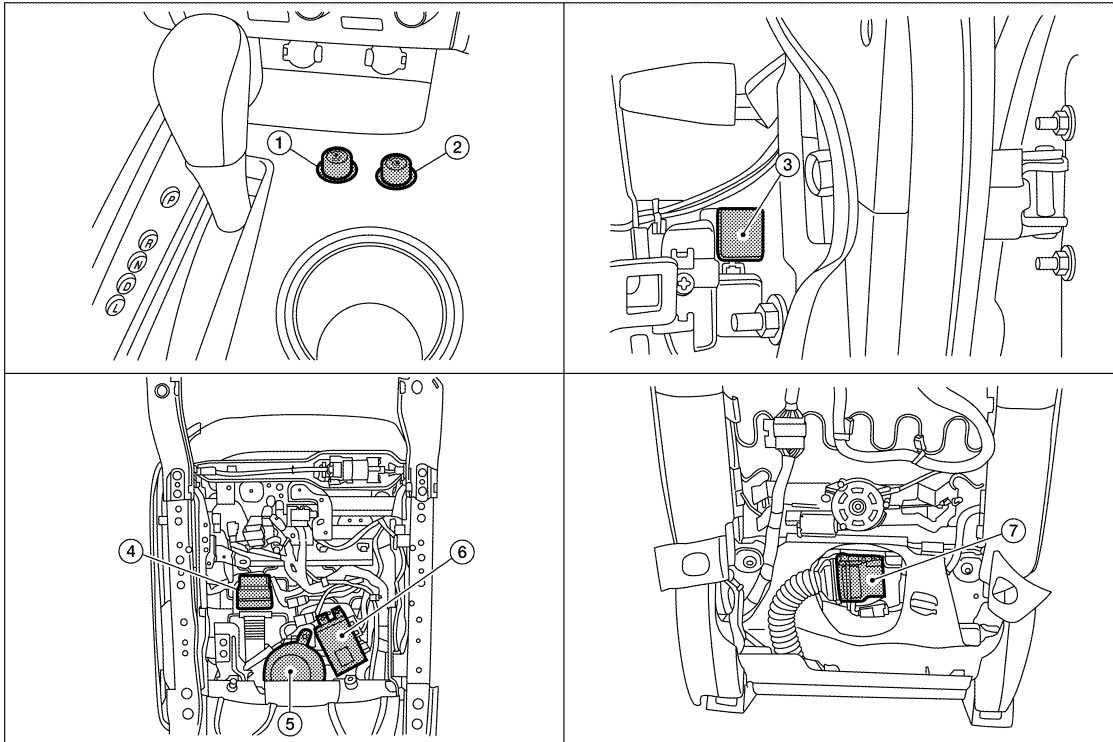
SYSTEM DESCRIPTION

COMPONENT PARTS

CLIMATE CONTROLLED SEAT SYSTEM

CLIMATE CONTROLLED SEAT SYSTEM : Component Parts Location

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- | | | |
|---|--|--|
| 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:000000008506711

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

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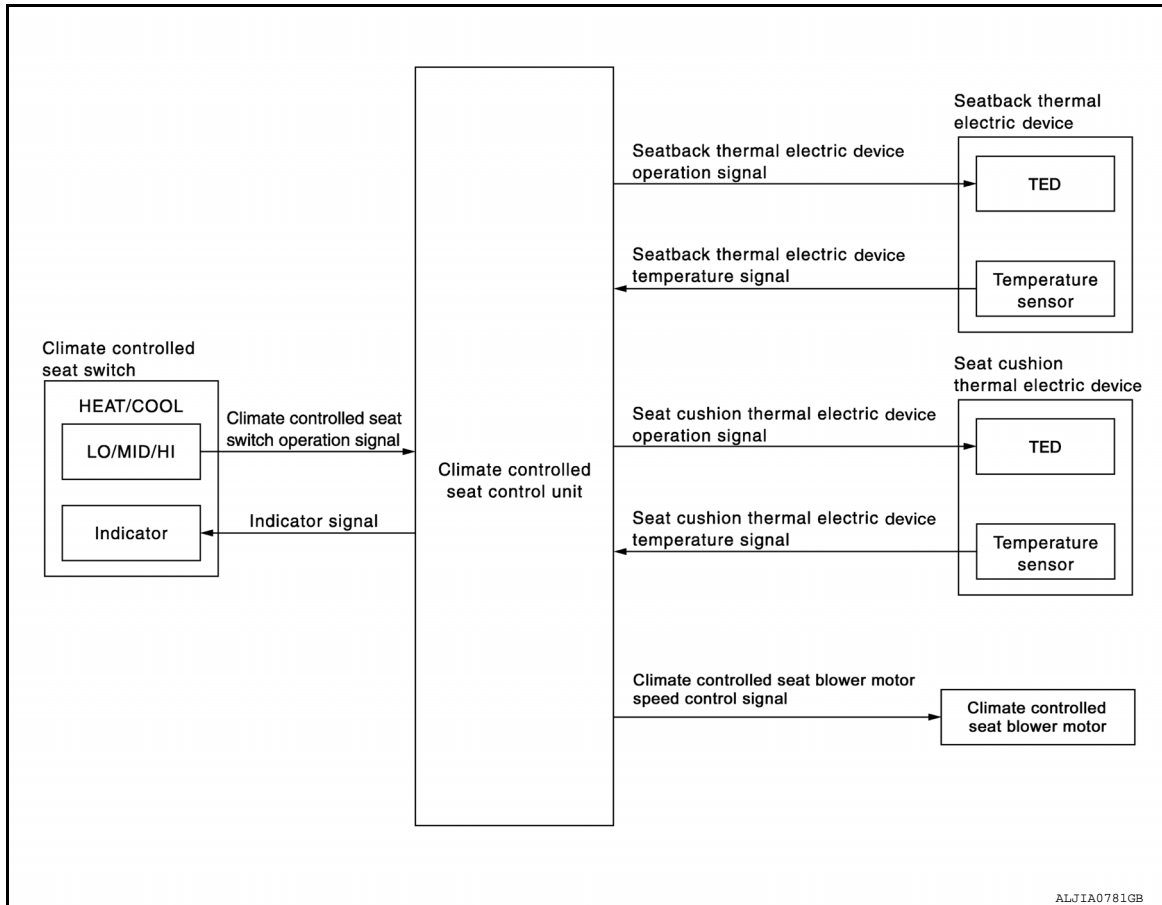
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SYSTEM

CLIMATE CONTROLLED SEAT SYSTEM

CLIMATE CONTROLLED SEAT SYSTEM : System Diagram

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CLIMATE CONTROLLED SEAT SYSTEM : System Description

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- 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-14, "Fail-safe"](#).

CLIMATE CONTROLLED SEAT CONTROL UNIT

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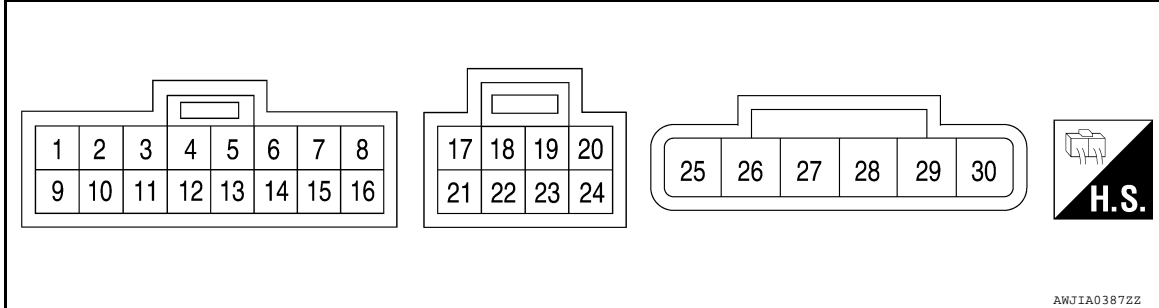
ECU DIAGNOSIS INFORMATION

CLIMATE CONTROLLED SEAT CONTROL UNIT

Reference Value

INFOID:000000008901639

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	BR	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:000000008901640

- 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"> • 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. • 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. • 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. • 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. <p>NOTE: 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"> • 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. • 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. • When the temperature of the thermal electric device becomes 105°C (221°F) or less, the system recovers automatically. • 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.

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"> 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. 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. If it detects other results of monitoring, it continues activating in the COOL mode. 	A B C
Thermal electric device sensor system open circuit	<ul style="list-style-type: none"> When it detects for 4 seconds that the thermal electric device sensor system is an open circuit. 	D
Climate controlled seat blower motor system open circuit	<ul style="list-style-type: none"> 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. 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. <p>NOTE: After detecting the climate seat blower motor system open circuit for 2 seconds, the system recovers automatically if the activation of the climate controlled seat blower motor is detected for 1 second or more.</p>	E F
Switch input out of the specified range	<ul style="list-style-type: none"> 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. When the switch input returns to a value within the specified range, the system recovers automatically. 	G H
HEAT or COOL switch input out of the specified range	<ul style="list-style-type: none"> 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. When the switch input returns to a value within the specified range, the system recovers automatically. 	I
System voltage out of range	<ul style="list-style-type: none"> System voltage* of the climate controlled seat control unit is out of the operation range (8.5 V – 16.5 V). 	SE

*: 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.

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POWER SEAT FOR DRIVER SIDE WITHOUT AUTOMATIC DRIVE POSITIONER

< WIRING DIAGRAM >

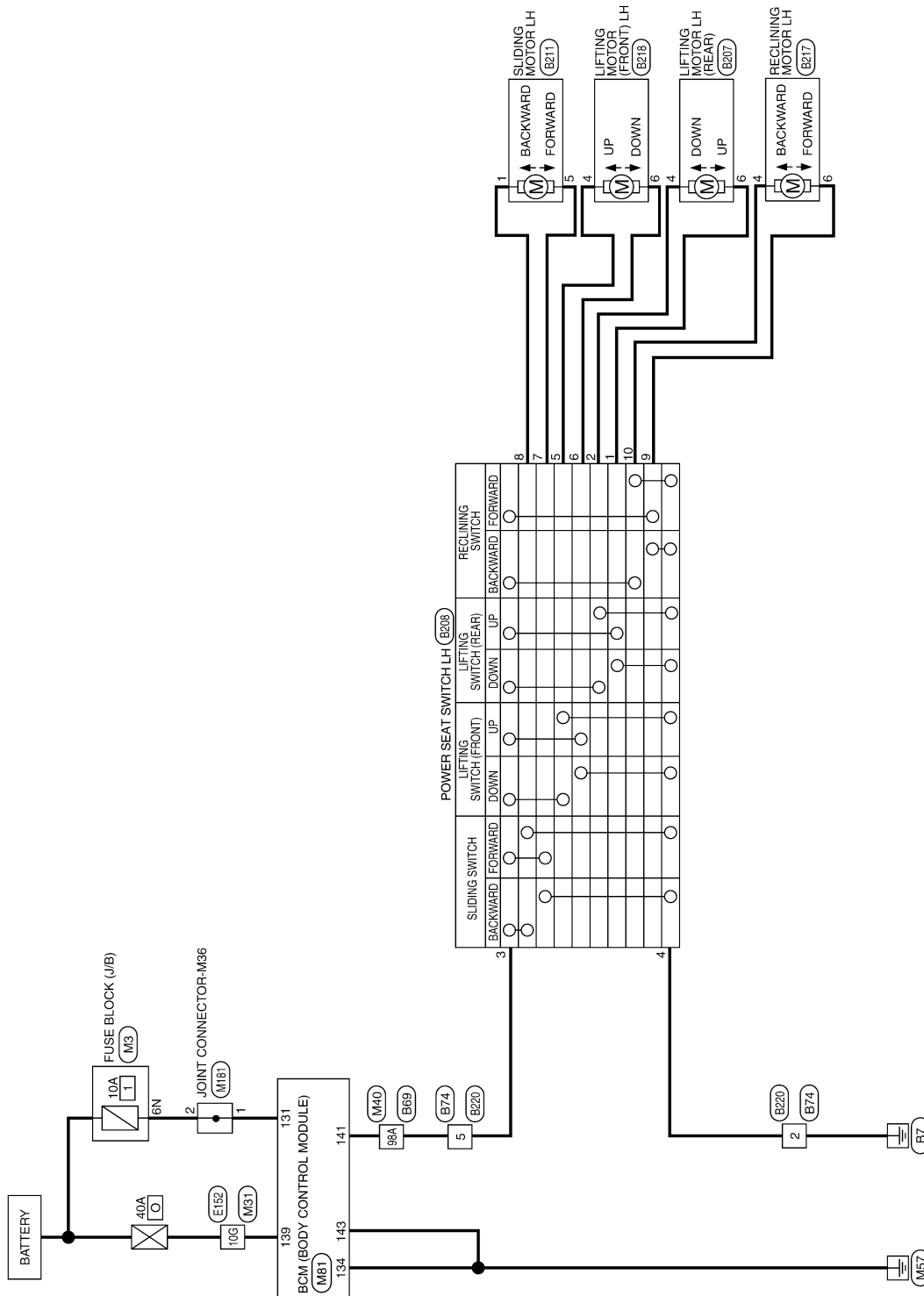
WIRING DIAGRAM

POWER SEAT FOR DRIVER SIDE WITHOUT AUTOMATIC DRIVE POSITIONER

Wiring Diagram

INFOID:000000008506716

POWER SEAT FOR DRIVER SIDE - WITHOUT AUTOMATIC DRIVE POSITIONER



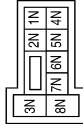
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POWER SEAT FOR DRIVER SIDE WITHOUT AUTOMATIC DRIVE POSITIONER

< WIRING DIAGRAM >

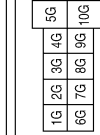
POWER SEAT FOR DRIVE SIDE CONNECTORS - WITHOUT AUTOMATIC DRIVE POSITIONER

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



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

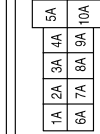
Connector No.	M31
Connector Name	WIRE TO WIRE
Connector Color	WHITE



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	-

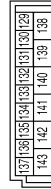
Connector No.	M40
Connector Name	WIRE TO WIRE
Connector Color	BROWN



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	PW POWER SUPPLY BAT
143	B	GND 1

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



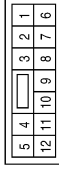
Terminal No.	Color of Wire	Signal Name
1	W	-
2	W	-

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

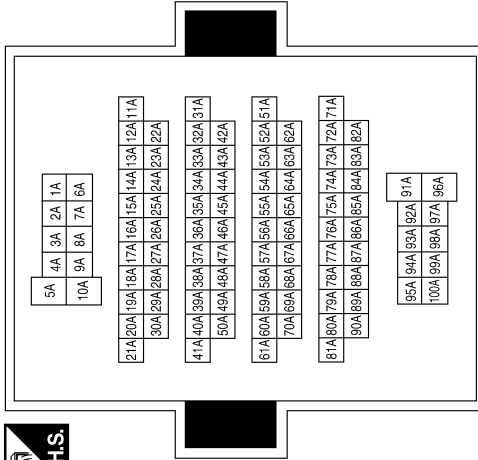
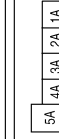
< WIRING DIAGRAM >

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



Terminal No.	Color of Wire	Signal Name
2	GR	- (WITHOUT CLIMATE CONTROLLED SEAT)
2	B	- (WITH CLIMATE CONTROLLED SEAT)
5	L	-

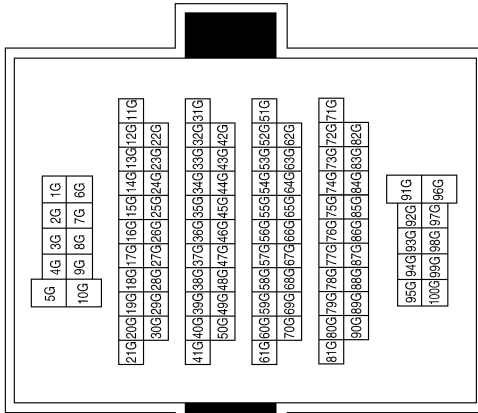
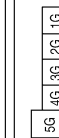
Connector No.	B69
Connector Name	WIRE TO WIRE
Connector Color	GRAY



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

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

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



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

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

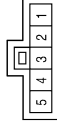


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POWER SEAT FOR DRIVER SIDE WITHOUT AUTOMATIC DRIVE POSITIONER

< WIRING DIAGRAM >

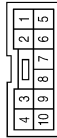
Connector No.	B211
Connector Name	SLIDING MOTOR LH
Connector Color	GRAY



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

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

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	G	-
6	Y	-

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



Terminal No.	Color of Wire	Signal Name
4	BR	-
6	P	-

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POWER SEAT FOR PASSENGER SIDE

< WIRING DIAGRAM >

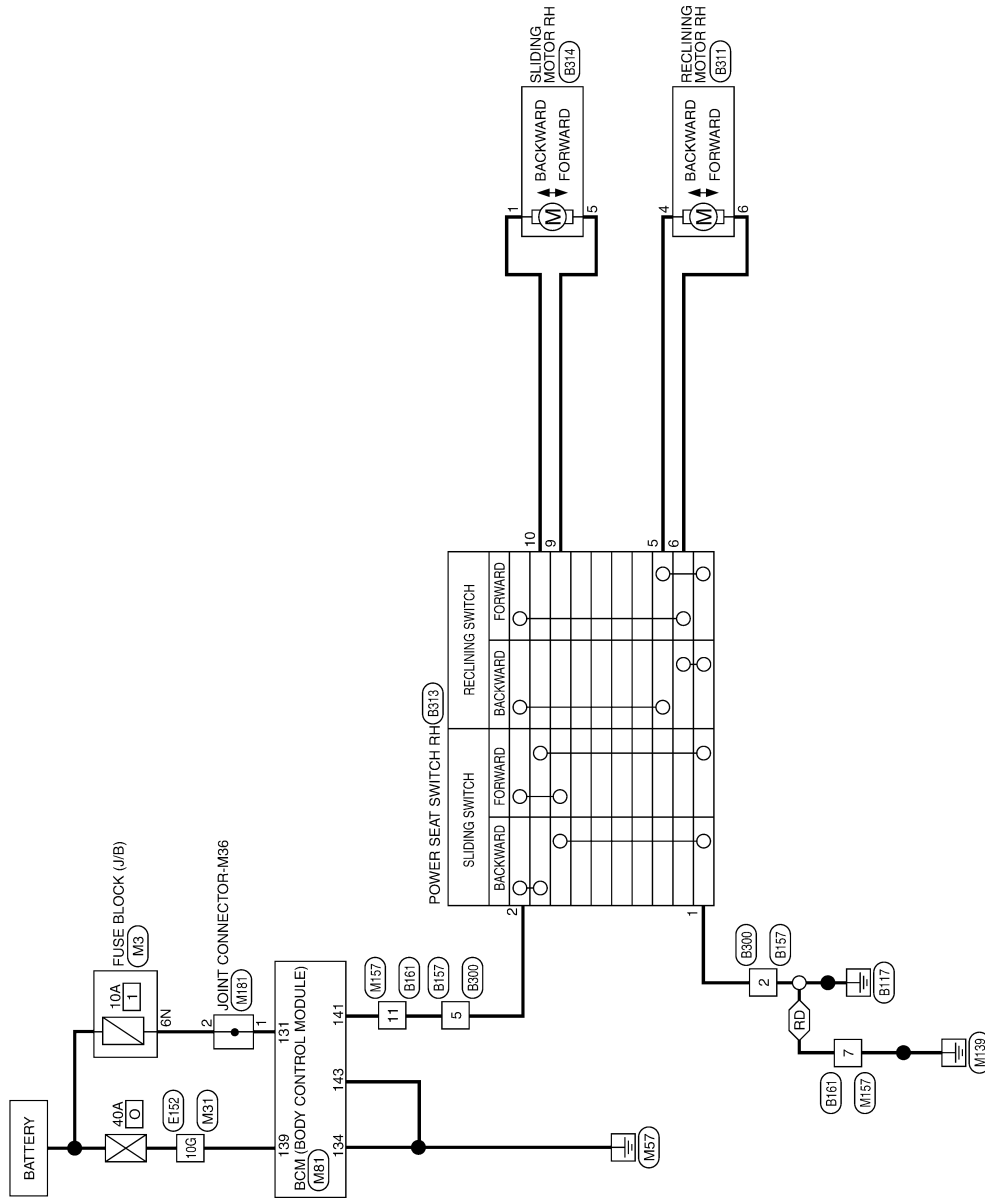
POWER SEAT FOR PASSENGER SIDE

Wiring Diagram

INFOID:000000008506717

FD: WITH REAR ENTERTAINMENT SYSTEM

POWER SEAT FOR PASSENGER SIDE



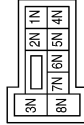
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POWER SEAT FOR PASSENGER SIDE

< WIRING DIAGRAM >

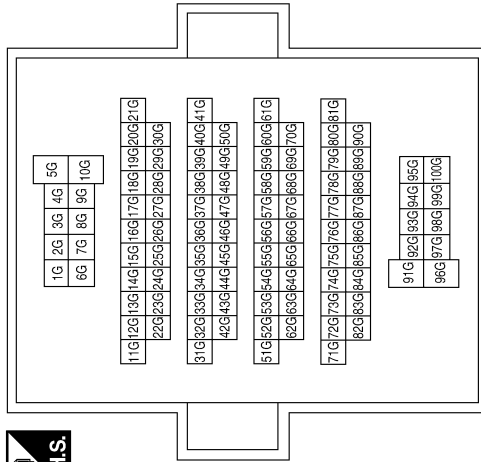
POWER SEAT FOR PASSENGER SIDE CONNECTORS

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



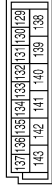
Terminal No.	Color of Wire	Signal Name
6N	W	-

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



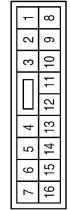
Terminal No.	Color of Wire	Signal Name
10G	W	-

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



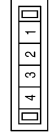
Terminal No.	Color of Wire	Signal Name
131	W	BAT BCM FUSE
134	B	GND 2
139	W	BAT POWER F/L
141	Y	P/W POWER SUPPLY BAT
143	B	GND 1

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	-

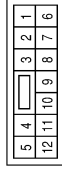
A B C D E F G H I J K L M N O P

SE

POWER SEAT FOR PASSENGER SIDE

< WIRING DIAGRAM >

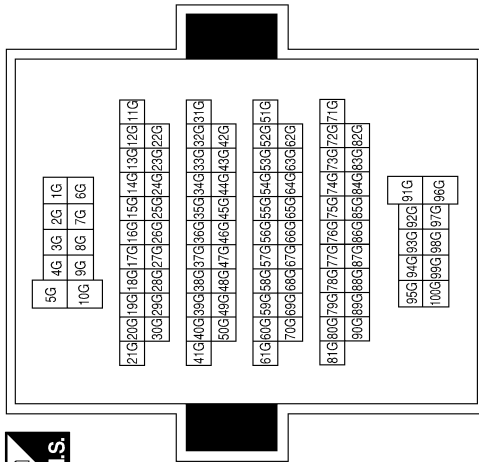
Connector No.	B157
Connector Name	WIRE TO WIRE
Connector Color	WHITE



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

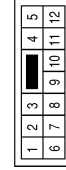


Connector No.	B311
Connector Name	RECLINING MOTOR RH
Connector Color	WHITE



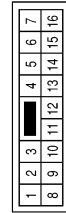
Terminal No.	Color of Wire	Signal Name
4	BR	-
6	P	-

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



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

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



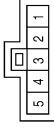
Terminal No.	Color of Wire	Signal Name
7	B	-
11	LG	-

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POWER SEAT FOR PASSENGER SIDE

< WIRING DIAGRAM >

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



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

Terminal No.	Color of Wire	Signal Name
5	BR	-
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	-

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LUMBAR SUPPORT SYSTEM

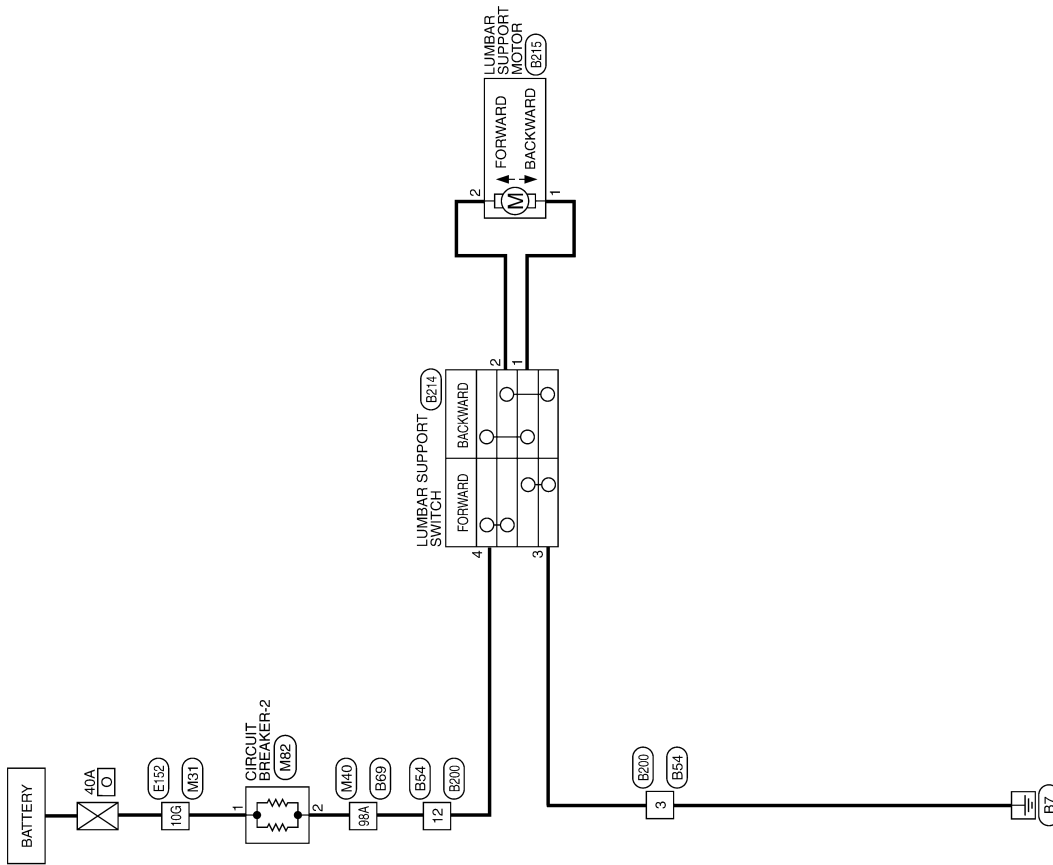
< WIRING DIAGRAM >

LUMBAR SUPPORT SYSTEM

Wiring Diagram

INFOID:000000008506718

LUMBAR SUPPORT SYSTEM



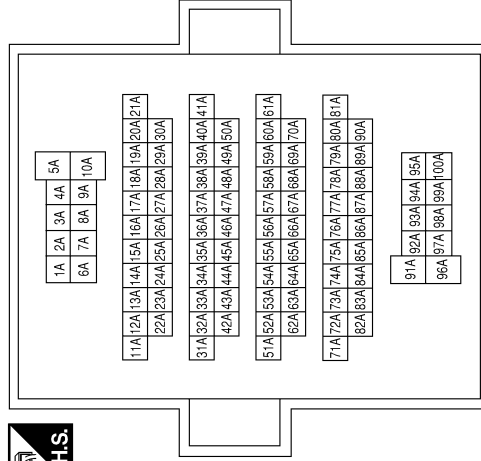
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LUMBAR SUPPORT SYSTEM

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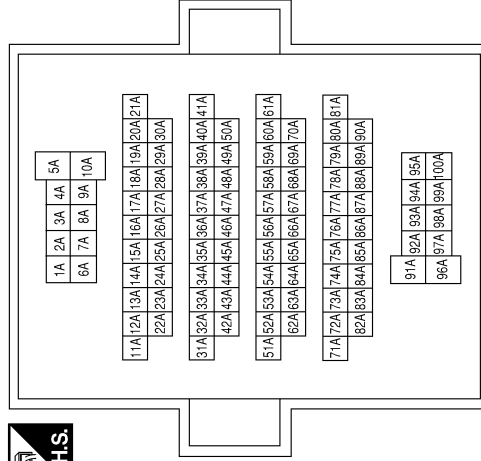
LUMBAR SUPPORT SYSTEM CONNECTORS

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



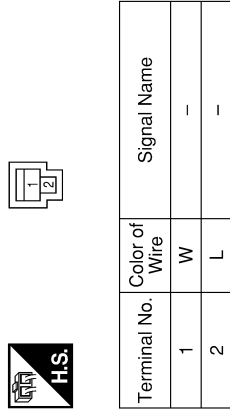
Terminal No.	Color of Wire	Signal Name
10G	W	-

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



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	-

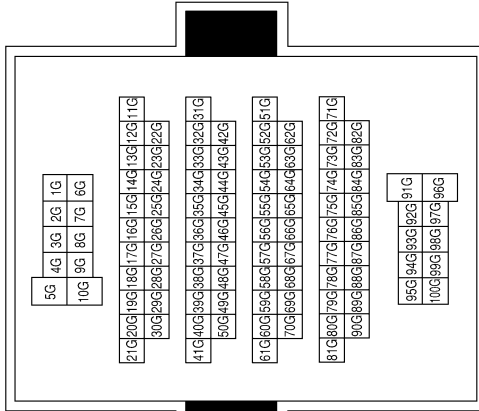
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LUMBAR SUPPORT SYSTEM

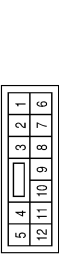
< WIRING DIAGRAM >

Connector No.	M152
Connector Name	WIRE TO WIRE
Connector Color	WHITE



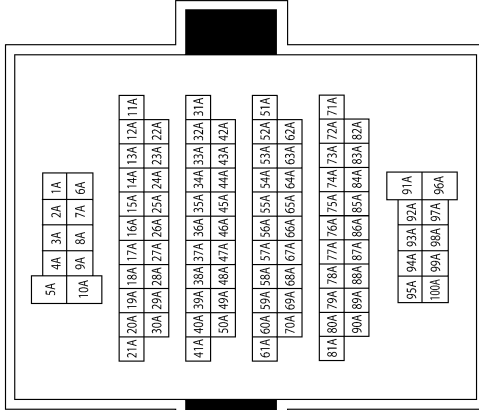
Terminal No.	Color of Wire	Signal Name
10G	P	-

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



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

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



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

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



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

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



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

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

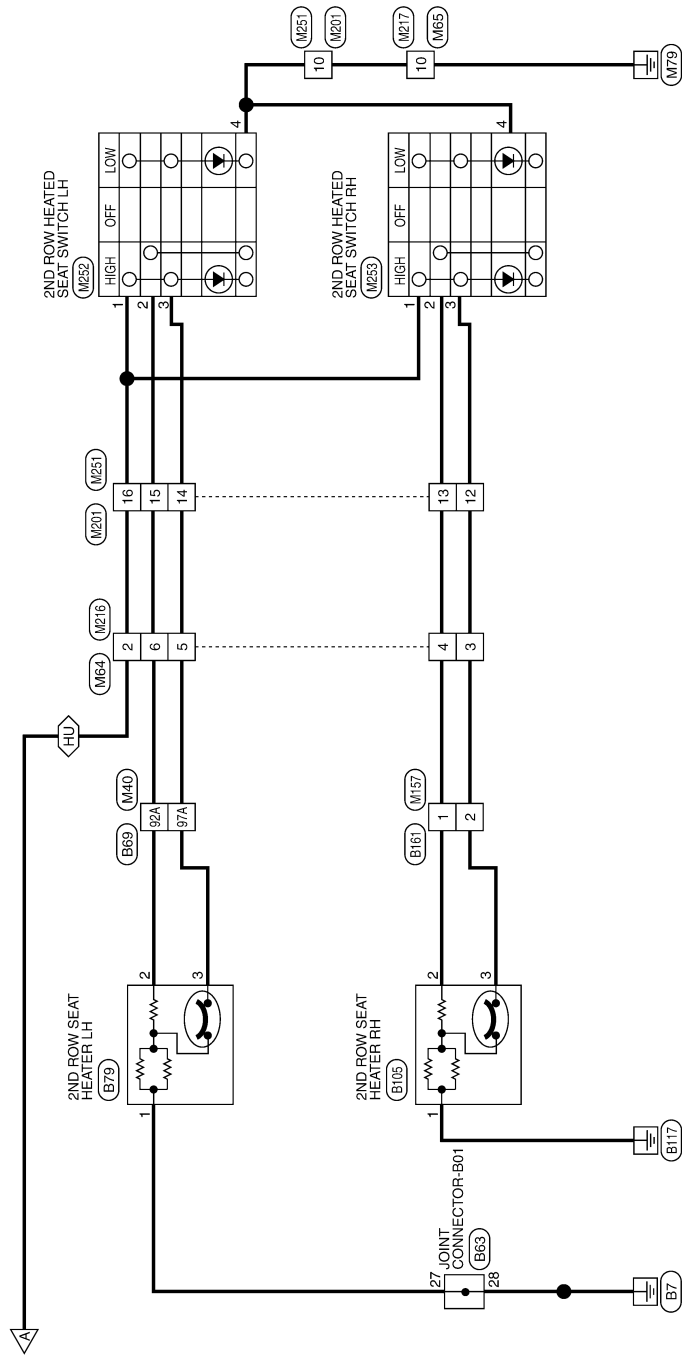


Terminal No.	Color of Wire	Signal Name
1	G	-
2	Y	-

HEATED SEAT SYSTEM

< WIRING DIAGRAM >

⬠HU⬠: WITH SECOND ROW HEATED SEATS



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HEATED SEAT SYSTEM

< WIRING DIAGRAM >

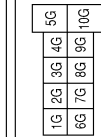
HEATED SEAT CONNECTORS

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



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

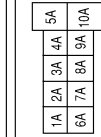
Connector No.	M31
Connector Name	WIRE TO WIRE
Connector Color	WHITE



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
1G	SB	-(WITHOUT CLIMATE CONTROLLED SEAT)
6G	SB	-(WITHOUT CLIMATE CONTROLLED SEAT)

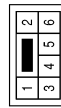
Connector No.	M40
Connector Name	WIRE TO WIRE
Connector Color	BROWN



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	LG	-(WITHOUT CLIMATE CONTROLLED SEAT)
57A	SB	-(WITHOUT CLIMATE CONTROLLED SEAT)
92A	L	-
97A	SB	-

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




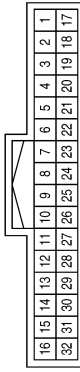
Terminal No.	Color of Wire	Signal Name
2	LG	-
3	BR	-
4	Y	-
5	SB	-
6	LG	-

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HEATED SEAT SYSTEM



< WIRING DIAGRAM >

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


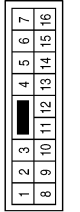
Terminal No.	Color of Wire	Signal Name
24	V	-(WITHOUT CLIMATE CONTROLLED SEAT)

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
5	V	-
6	SB	-(WITHOUT CLIMATE CONTROLLED SEAT)
7	BG	-
10	B	-
14	L	-(WITHOUT CLIMATE CONTROLLED SEAT)
15	LG	-(WITHOUT CLIMATE CONTROLLED SEAT)
16	LG	-(WITHOUT CLIMATE CONTROLLED SEAT)

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


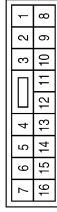
Terminal No.	Color of Wire	Signal Name
10	B	-
12	BR	-
13	LG	-
14	L	-
15	LG	-
16	Y	-

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

Terminal No.	Color of Wire	Signal Name
1	GR	-
2	LG	-
3	BG	-
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)

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HEATED SEAT SYSTEM

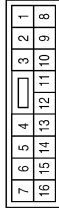
< WIRING DIAGRAM >

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



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

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



Terminal No.	Color of Wire	Signal Name
5	V	-
6	SB	-(WITHOUT CLIMATE CONTROLLED SEAT)
7	BG	-
10	B	-
14	L	-(WITHOUT CLIMATE CONTROLLED SEAT)
15	LG	-(WITHOUT CLIMATE CONTROLLED SEAT)
16	LG	-(WITHOUT CLIMATE CONTROLLED SEAT)

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



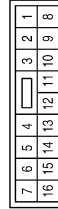
Terminal No.	Color of Wire	Signal Name
2	Y	-
3	BR	-
4	LG	-
5	L	-
6	LG	-

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.	M221
Connector Name	FRONT HEATED SEAT SWITCH RH
Connector Color	BROWN



Terminal No.	Color of Wire	Signal Name
3	LG	-
4	BG	-
5	V	-
6	GR	-

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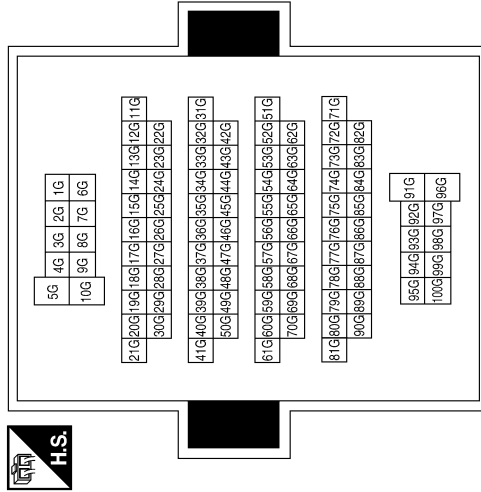
A B C D E F G H I SE K L M N O P

HEATED SEAT SYSTEM

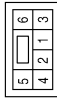
< WIRING DIAGRAM >

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	WHITE



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

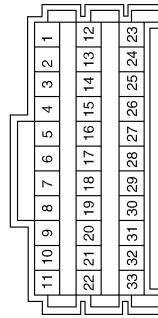
Connector No.	B74
Connector Name	WIRE TO WIRE
Connector Color	WHITE



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

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

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

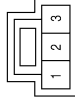


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HEATED SEAT SYSTEM

< WIRING DIAGRAM >

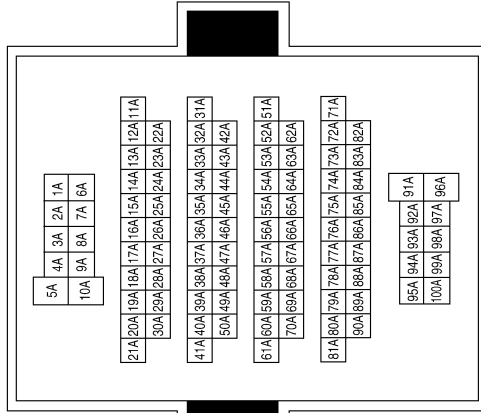
Connector No.	B79
Connector Name	2ND ROW SEAT HEATER LH
Connector Color	WHITE



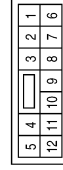
Terminal No.	Color of Wire	Signal Name
1	B	-
2	LG	-
3	BR	-

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

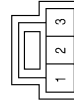


Connector No.	B157
Connector Name	WIRE TO WIRE
Connector Color	WHITE



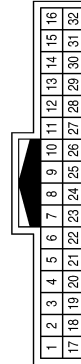
Terminal No.	Color of Wire	Signal Name
10	B	-(WITHOUT CLIMATE CONTROLLED SEAT)
11	V	-(WITHOUT CLIMATE CONTROLLED SEAT)
12	LG	-(WITHOUT CLIMATE CONTROLLED SEAT)

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



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

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



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

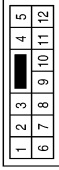
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HEATED SEAT SYSTEM

< WIRING DIAGRAM >

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



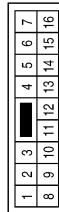
Terminal No.	Color of Wire	Signal Name
10	B	-(WITHOUT CLIMATE CONTROLLED SEAT)
11	SB	-(WITHOUT CLIMATE CONTROLLED SEAT)
12	LG	-(WITHOUT CLIMATE CONTROLLED SEAT)

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	LG	-(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

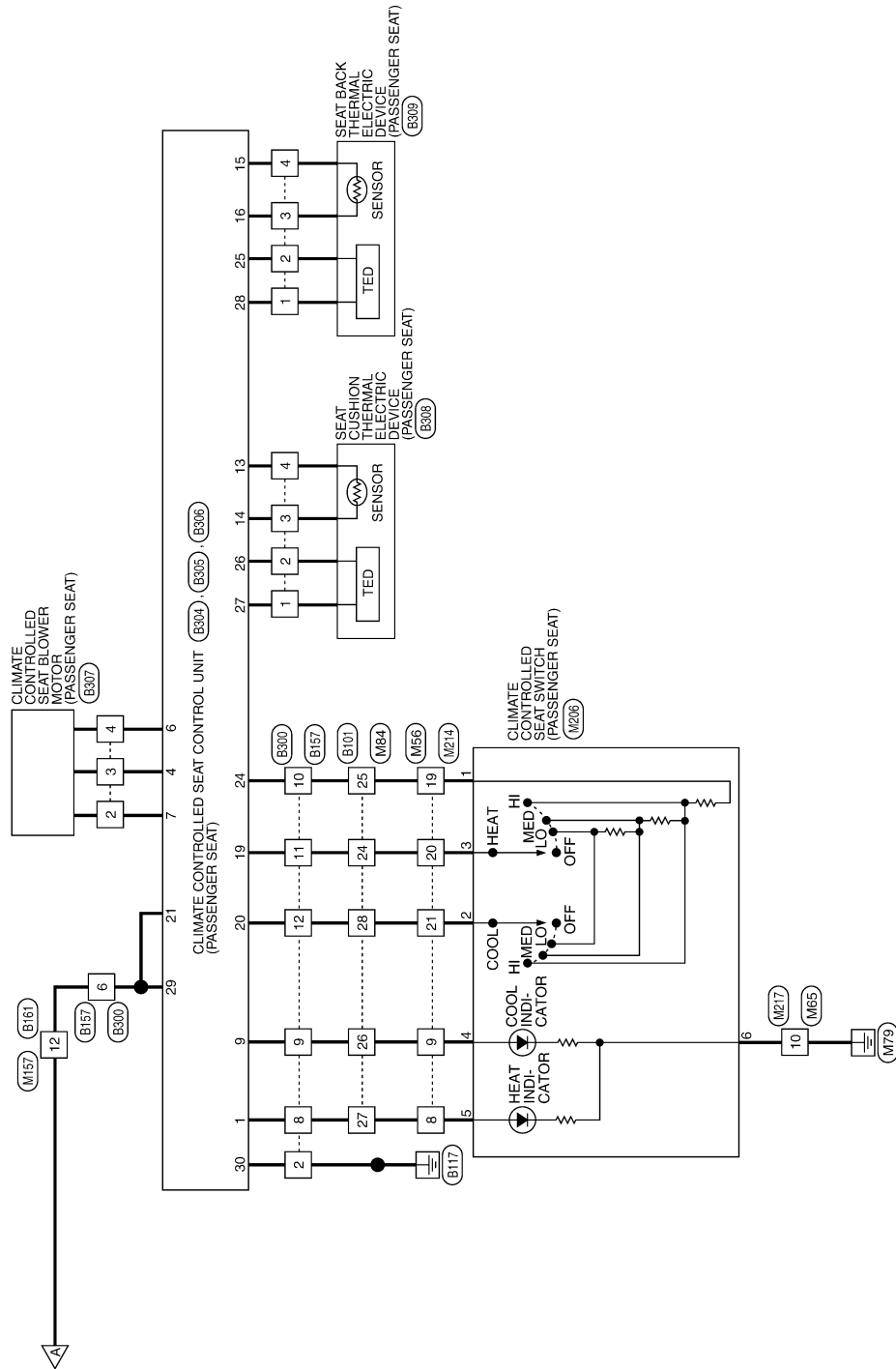


Terminal No.	Color of Wire	Signal Name
10	B	-
11	V	-
12	LG	-

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CLIMATE CONTROLLED SEAT SYSTEM

< WIRING DIAGRAM >



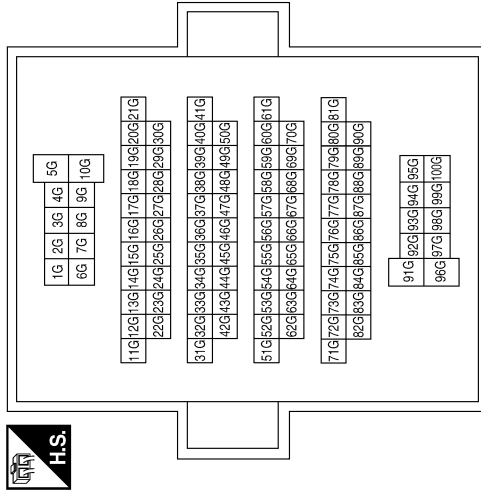
AAJWA0116GB

CLIMATE CONTROLLED SEAT SYSTEM

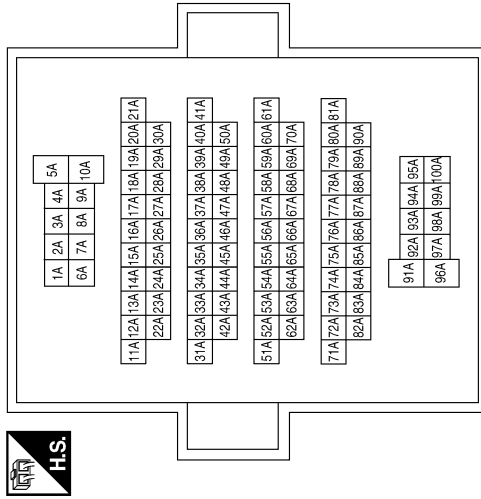
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CLIMATE CONTROLLED SEAT CONNECTORS

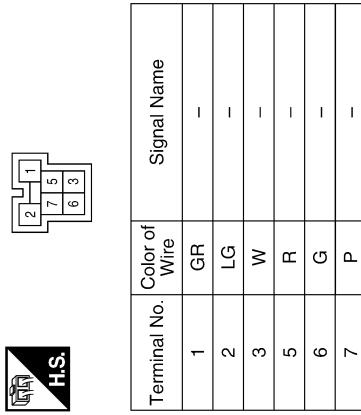
Connector No.	M31
Connector Name	WIRE TO WIRE
Connector Color	WHITE



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



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



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

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	-

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CLIMATE CONTROLLED SEAT SYSTEM

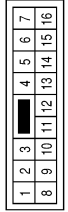
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Connector No.	M68
Connector Name	FUSE BLOCK (J/B)
Connector Color	BROWN



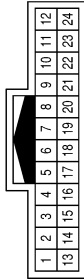
Terminal No.	Color of Wire	Signal Name
2R	LG	-

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



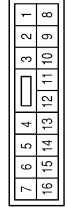
Terminal No.	Color of Wire	Signal Name
6	BR	-(WITH CLIMATE CONTROLLED SEAT)
7	BG	-(WITH CLIMATE CONTROLLED SEAT)
10	B	-
14	G	-(WITH CLIMATE CONTROLLED SEAT)
15	P	-(WITH CLIMATE CONTROLLED SEAT)
16	W	-(WITH CLIMATE CONTROLLED SEAT)

Connector No.	M56
Connector Name	WIRE TO WIRE
Connector Color	WHITE



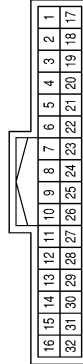
Terminal No.	Color of Wire	Signal Name
8	BG	-
9	W	-
19	W	-
20	R	-
21	V	-

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



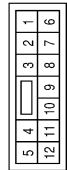
Terminal No.	Color of Wire	Signal Name
12	W	-(WITH CLIMATE CONTROLLED SEAT)

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



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

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



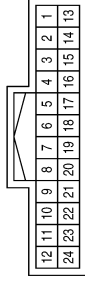
Terminal No.	Color of Wire	Signal Name
6	B	-

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CLIMATE CONTROLLED SEAT SYSTEM

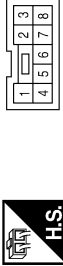
< WIRING DIAGRAM >

Connector No.	M214
Connector Name	WIRE TO WIRE
Connector Color	WHITE



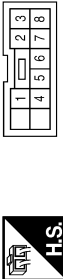
Terminal No.	Color of Wire	Signal Name
8	V	-
9	BG	-
19	SB	-
20	L	-
21	G	-

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



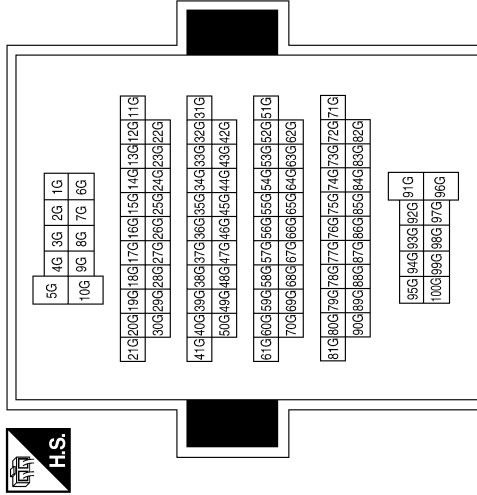
Terminal No.	Color of Wire	Signal Name
1	SB	-
2	G	-
3	L	-
4	BG	-
5	V	-
6	B	-

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

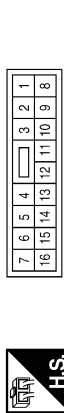


Terminal No.	Color of Wire	Signal Name
1	BG	-
2	V	-
3	P	-
4	BR	-
5	Y	-
6	B	-

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



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



Terminal No.	Color of Wire	Signal Name
6	Y	-(WITH CLIMATE CONTROLLED SEAT)
7	BR	-(WITH CLIMATE CONTROLLED SEAT)
10	B	-
14	BG	-(WITH CLIMATE CONTROLLED SEAT)
15	P	-(WITH CLIMATE CONTROLLED SEAT)
16	V	-(WITH CLIMATE CONTROLLED SEAT)

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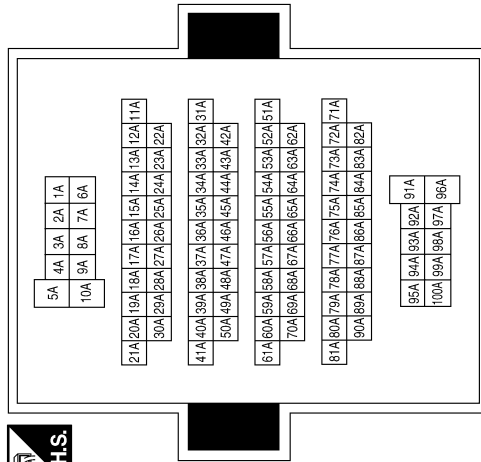
A B C D E F G H I SE K L M N O P

CLIMATE CONTROLLED SEAT SYSTEM

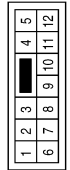
< WIRING DIAGRAM >

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.	B69
Connector Name	WIRE TO WIRE
Connector Color	GRAY

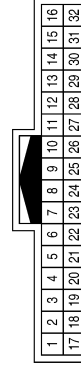


Connector No.	B42
Connector Name	WIRE TO WIRE
Connector Color	BROWN



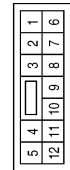
Terminal No.	Color of Wire	Signal Name
6	B	-

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



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

Connector No.	B74
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	-

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CLIMATE CONTROLLED SEAT SYSTEM

< WIRING DIAGRAM >

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
12	W	-(WITH CLIMATE CONTROLLED SEAT)

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


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	-
6	W	-
8	Y	-
9	LG	-
10	SB	-(WITH CLIMATE CONTROLLED SEAT)
11	BR	-(WITH CLIMATE CONTROLLED SEAT)
12	Y	-(WITH CLIMATE CONTROLLED SEAT)

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

Terminal No.	Color of Wire	Signal Name
10	-	-
11	-	-
12	-	-
13	Y	CUSHION SENSOR GND
14	BR	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



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

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

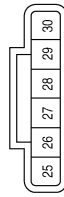
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CLIMATE CONTROLLED SEAT SYSTEM

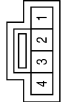
< WIRING DIAGRAM >

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



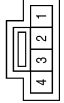
Terminal No.	Color of Wire	Signal Name
25	G	BACK TED +COOL /-HEAT
26	LG	CUSHION TED +COOL /-HEAT
27	L	CUSHION TED -COOL /+ HEAT
28	W	BACK TED -COOL /+HEAT
29	R	BAT (PTC)
30	B	MAIN GND

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



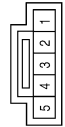
Terminal No.	Color of Wire	Signal Name
1	L	-
2	LG	-
3	BR	-
4	Y	-

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



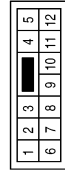
Terminal No.	Color of Wire	Signal Name
1	W	-
2	G	-
3	L	-
4	V	-

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



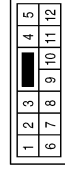
Terminal No.	Color of Wire	Signal Name
1	-	-
2	R	-
3	P	-
4	G	-
5	-	-

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



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

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



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

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CLIMATE CONTROLLED SEAT SYSTEM

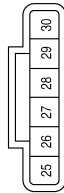
< WIRING DIAGRAM >

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



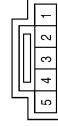
Terminal No.	Color of Wire	Signal Name
17	-	-
18	-	-
19	Y	HEAT SWITCH INPUT
20	V	COOL SWITCH INPUT
21	R	IGN RUN
22	-	-
23	-	-
24	G	HEAT/COOL SW RESISTOR PWR

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



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

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

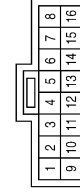


Terminal No.	Color of Wire	Signal Name
1	-	-
2	R	-
3	P	-
4	G	-
5	-	-

Terminal No.	Color of Wire	Signal Name
6	G	BLOWER GND
7	R	BLOWER POWER
8	-	-
9	W	COOL ON INDICATOR
10	-	-
11	-	-
12	-	-

Terminal No.	Color of Wire	Signal Name
13	Y	CUSHION SENSOR GND
14	BR	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	-	-

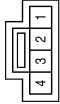
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CLIMATE CONTROLLED SEAT SYSTEM

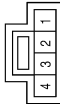
< WIRING DIAGRAM >

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



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

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



Terminal No.	Color of Wire	Signal Name
1	L	-
2	LG	-
3	BR	-
4	Y	-

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DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

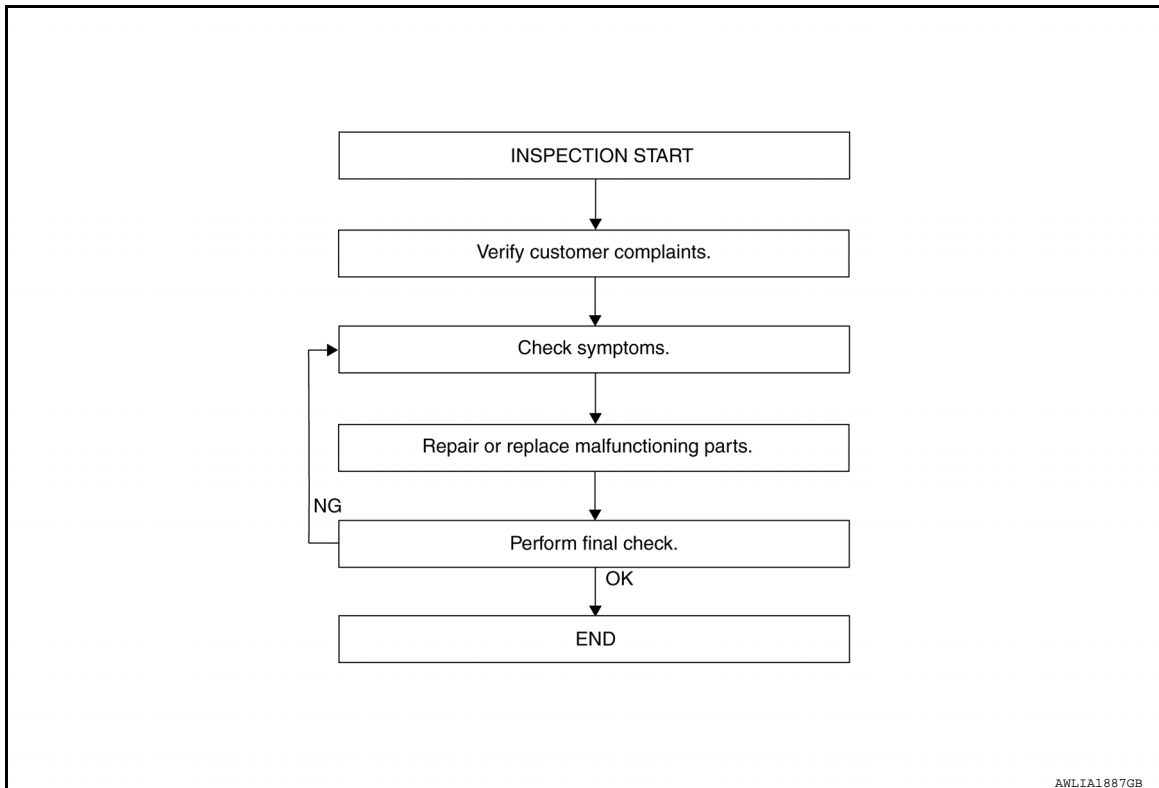
BASIC INSPECTION

DIAGNOSIS AND REPAIR WORK FLOW

Work Flow

INFOID:000000008901641

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-12. "CLIMATE CONTROLLED SEAT SYSTEM : System Description"](#).

>> GO TO 3.

3. PERFORM TROUBLE DIAGNOSIS BY SYMPTOM

Diagnose the vehicle by performing the appropriate trouble diagnosis. Refer to [SE-74. "Symptom Table"](#).

>> GO TO 4.

4. REPAIR OR REPLACE MALFUNCTIONING PARTS

Repair or replace the specific parts.

>> GO TO 5.

5. FINAL CHECK

DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

Perform a final inspection of the system.

Is the inspection result normal?

YES >> Inspection End.

NO >> GO TO 2.

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:000000008901642

Regarding Wiring Diagram information, refer to [SE-35, "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

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

(+)		(-)	Voltage (V) (Approx.)
Connector	Terminal		
M58	2	Ground	Battery voltage
	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

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-50. "CLIMATE CONTROLLED SEAT CONTROL UNIT : Component Inspection"](#).

Is the inspection result normal?

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

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

1. Turn ignition switch OFF.
2. 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-49. "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-50. "CLIMATE CONTROLLED SEAT CONTROL UNIT : Component Inspection"](#).

Is the inspection result normal?

YES >> GO TO 8.

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-49. "Intermittent Incident"](#).

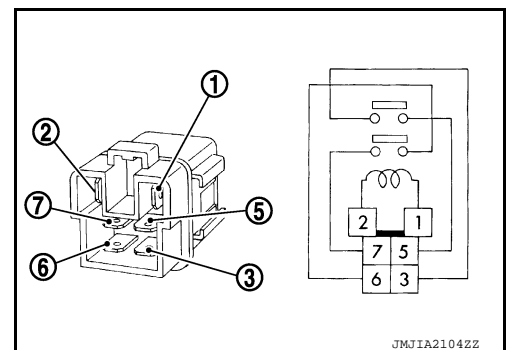
NO >> Repair harness or connector.

CLIMATE CONTROLLED SEAT CONTROL UNIT : Component Inspection INFOID:000000008901643

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.

CLIMATE CONTROLLED SEAT SWITCH

< DTC/CIRCUIT DIAGNOSIS >

CLIMATE CONTROLLED SEAT SWITCH

Component Function Check

INFOID:000000008901644

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-51, "Diagnosis Procedure"](#).

Diagnosis Procedure

INFOID:000000008901645

Regarding Wiring Diagram information, refer to [SE-35, "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	
		19	Climate controlled seat switch (driver side)	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	
		19	Climate controlled seat switch (passenger seat)	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	B204	2	Yes
	HEAT			3	
Passenger side	COOL	M206	B304	2	
	HEAT			3	

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

Climate controlled seat switch			Ground	Continuity
Connector		Terminal		
Driver side	COOL	M203	2	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			Ground	Continuity
Connector		Terminal		
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-112. "Disassembly and Assembly"](#).
NO >> Repair or replace harness.

5.CHECK CLIMATE CONTROLLED SEAT SWITCH

Check climate controlled seat switch.
Refer to [SE-53. "Component Inspection"](#).

Is the inspection result normal?

- YES >> Check intermittent incident. Refer to [GI-49. "Intermittent Incident"](#).
NO >> Replace climate controlled seat switch. Refer to [IP-18. "Removal and Installation"](#).

Component Inspection

INFOID:000000008901646

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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SEATBACK THERMAL ELECTRIC DEVICE

< DTC/CIRCUIT DIAGNOSIS >

SEATBACK THERMAL ELECTRIC DEVICE

Component Function Check

INFOID:000000008901647

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-54, "Diagnosis Procedure"](#).

Diagnosis Procedure

INFOID:000000008901648

Regarding Wiring Diagram information, refer to [SE-35, "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-87, "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	
			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-112, "Disassembly and Assembly"](#).
- NO >> Repair or replace harness.

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SEATBACK THERMAL ELECTRIC DEVICE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

SEATBACK THERMAL ELECTRIC DEVICE SENSOR

Component Function Check

INFOID:000000008901649

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-56, "Diagnosis Procedure"](#).

Diagnosis Procedure

INFOID:000000008901650

Regarding Wiring Diagram information, refer to [SE-35, "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-112, "Disassembly and Assembly"](#).
- 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-57, "Component Inspection"](#).

Is the inspection result normal?

YES >> Check intermittent incident. Refer to [GI-49, "Intermittent Incident"](#).

NO >> Replace seatback thermal electric device. [SE-87, "Seatback Thermal Electric Device"](#).

Component Inspection

INFOID:000000008901651

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-87, "Seatback Thermal Electric Device"](#).

SEAT CUSHION THERMAL ELECTRIC DEVICE

< DTC/CIRCUIT DIAGNOSIS >

SEAT CUSHION THERMAL ELECTRIC DEVICE

Component Function Check

INFOID:000000008901652

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-58, "Diagnosis Procedure"](#).

Diagnosis Procedure

INFOID:000000008901652

Regarding Wiring Diagram information, refer to [SE-35, "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-116, "Seatback 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	Yes
		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			
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-112, "Disassembly and Assembly"](#).

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:000000008901654

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-60, "Diagnosis Procedure"](#).

Diagnosis Procedure

INFOID:000000008901655

Regarding Wiring Diagram information, refer to [SE-35, "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-112, "Disassembly and Assembly"](#).
- 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-61, "Component Inspection"](#).

Is the inspection result normal?

YES >> Check intermittent incident. Refer to [GI-49, "Intermittent Incident"](#).

NO >> Replace seat cushion thermal electric device. [SE-116, "Seatback Thermal Electric Device"](#).

Component Inspection

INFOID:000000008901656

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-116, "Seatback Thermal Electric Device"](#).

CLIMATE CONTROLLED SEAT BLOWER MOTOR

< DTC/CIRCUIT DIAGNOSIS >

CLIMATE CONTROLLED SEAT BLOWER MOTOR

Component Function Check

INFOID:000000008901657

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-62, "Diagnosis Procedure"](#).

Diagnosis Procedure

INFOID:000000008901658

Regarding Wiring Diagram information, refer to [SE-35, "Wiring Diagram"](#).

1. CHECK CLIMATE CONTROLLED SEAT BLOWER MOTOR POWER SUPPLY

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

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

Is the inspection result normal?

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

2. CHECK CLIMATE CONTROLLED SEAT BLOWER MOTOR POWER SUPPLY CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect climate controlled seat blower motor connector and climate controlled seat control unit connector.
3. 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		

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

Climate controlled seat blower motor		Ground	Continuity
Connector	Terminal		
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-112, "Disassembly and Assembly"](#).
 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	B303		

- 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-112, "Disassembly and Assembly"](#).
 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-115. "Blower Motor"](#).
 NO >> Repair or replace harness.

CLIMATE CONTROLLED SEAT SWITCH INDICATOR

< DTC/CIRCUIT DIAGNOSIS >

CLIMATE CONTROLLED SEAT SWITCH INDICATOR

Component Function Check

INFOID:000000008901659

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-65, "Diagnosis Procedure"](#).

Diagnosis Procedure

INFOID:000000008901660

Regarding Wiring Diagram information, refer to [SE-35, "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
			4	OFF	0
Passenger side	M206		5	COOL mode	12
			4	OFF	0
				HEAT mode	12
				OFF	0
				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-112, "Disassembly and Assembly"](#).

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 >

CLIMATE CONTROLLED SEAT BLOWER FILTER

Diagnosis Procedure

INFOID:000000008901661

1. CHECK CLIMATE CONTROLLED SEAT BLOWER FILTER

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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SQUEAK AND RATTLE TROUBLE DIAGNOSES

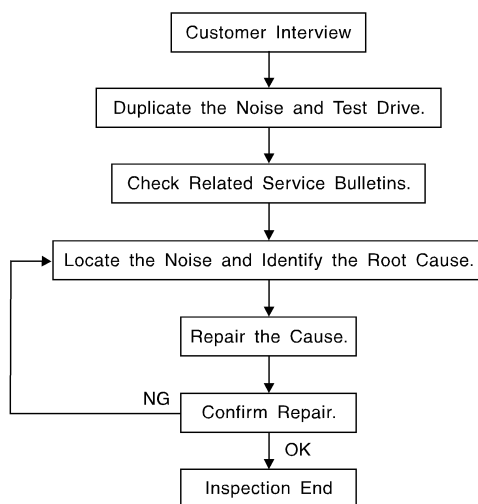
< SYMPTOM DIAGNOSIS >

SYMPTOM DIAGNOSIS

SQUEAK AND RATTLE TROUBLE DIAGNOSES

Work Flow

INFOID:000000008955306



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-72, "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

SQUEAK AND RATTLE TROUBLE DIAGNOSES

< SYMPTOM DIAGNOSIS >

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.

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-70. "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 NISSAN Squeak and Rattle Kit (J-43980) is available through your authorized NISSAN Parts Department.

CAUTION:

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

Always check with the Parts Department for the latest parts information.

The following materials are contained in the NISSAN Squeak and Rattle Kit (J-43980). Each item can be ordered separately as needed.

URETHANE PADS [1.5 mm (0.059 in) thick]

Insulates connectors, harness, etc.

76268-9E005: 100×135 mm (3.94×5.31 in)/76884-71L01: 60×85 mm (2.36×3.35 in)/76884-71L02: 15×25 mm (0.59×0.98 in)

INSULATOR (Foam blocks)

Insulates components from contact. Can be used to fill space behind a panel.

73982-9E000: 45 mm (1.77 in) thick, 50×50 mm (1.97×1.97 in)/73982-50Y00: 10 mm (0.39 in) thick, 50×50 mm (1.97×1.97 in)

INSULATOR (Light foam block)

80845-71L00: 30 mm (1.18 in) thick, 30×50 mm (1.18×1.97 in)

FELT CLOTH TAPE

Used to insulate where movement does not occur. Ideal for instrument panel applications.

68370-4B000: 15×25 mm (0.59×0.98 in) pad/68239-13E00: 5 mm (0.20 in) wide tape roll. The following materials not found in the kit can also be used to repair squeaks and rattles.

SQUEAK AND RATTLE TROUBLE DIAGNOSES

< SYMPTOM DIAGNOSIS >

UHMW (TEFLON) TAPE

Insulates where slight movement is present. Ideal for instrument panel applications.

SILICONE GREASE

Used instead of UHMW tape that will be visible or not fit.

Note: 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:000000008955305

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

INSTRUMENT PANEL

Most incidents are caused by contact and movement between:

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 NISSAN Squeak and Rattle Kit (J-43980) 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

SQUEAK AND RATTLE TROUBLE DIAGNOSES

< SYMPTOM DIAGNOSIS >

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 headlining and squeaking

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

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.
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.

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SQUEAK AND RATTLE TROUBLE DIAGNOSES

< SYMPTOM DIAGNOSIS >

Diagnostic Worksheet

INFOID:000000008955304

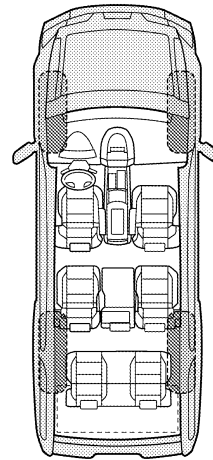
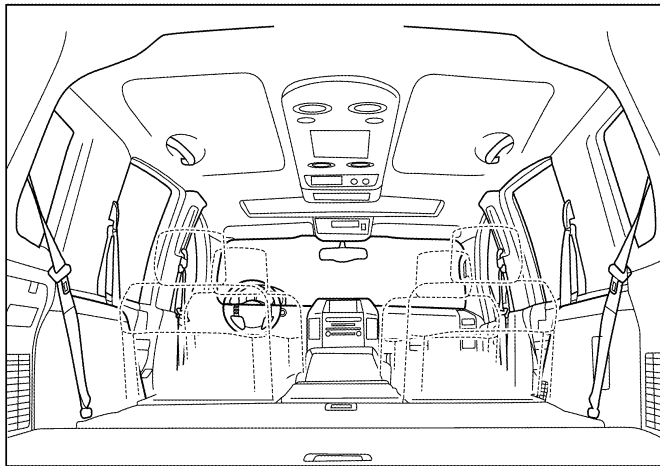
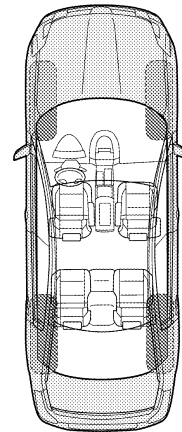
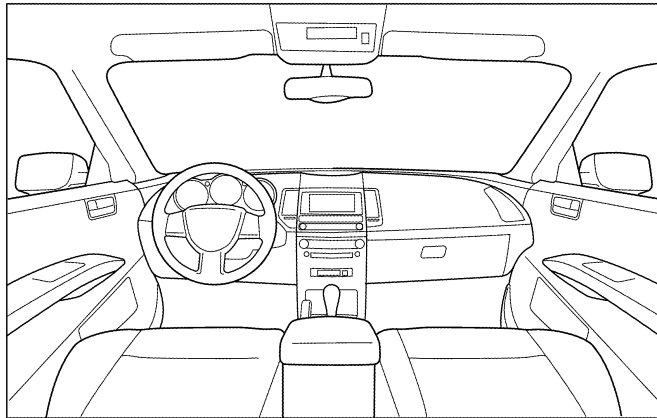
Dear Customer:

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.

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

LATA0071E

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CLIMATE CONTROLLED SEAT SYSTEM

< SYMPTOM DIAGNOSIS >

CLIMATE CONTROLLED SEAT SYSTEM

Symptom Table

INFOID:000000008901662

Symptom		Inspection item
Climate controlled seat inoperative.		Power supply and ground circuit Refer to SE-47, "CLIMATE CONTROLLED SEAT CONTROL UNIT : Diagnosis Procedure" .
Climate controlled seat blower motor inoperative.		Climate controlled seat blower motor Refer to SE-62, "Diagnosis Procedure" .
Seat cushion thermal electric device inoperative.		Seat cushion thermal electric device Refer to SE-58, "Diagnosis Procedure" .
Seatback thermal electric device inoperative.		Seatback thermal electric device Refer to SE-54, "Diagnosis Procedure" .
Climate controlled seat switch LO, MED or HI inoperative.		Climate controlled seat switch Refer to SE-51, "Diagnosis Procedure" .
Climate controlled seat switch indicator inoperative.		Climate controlled seat switch indicator Refer to SE-65, "Diagnosis Procedure" .
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"> • Connectors for physical damage or loose terminals. • Seat cushion thermal electric device. Refer to SE-58, "Diagnosis Procedure". • Seatback thermal electric device. Refer to SE-54, "Diagnosis Procedure". • Climate controlled seat blower motor. Refer to SE-62, "Diagnosis Procedure".
	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"> • Foam seat pads not aligned for thermal electric device outlet. • Thermal electric device ducting restricted or disconnected. • Climate controlled seat blower motor inlet restricted.

FRONT SEAT

< REMOVAL AND INSTALLATION >

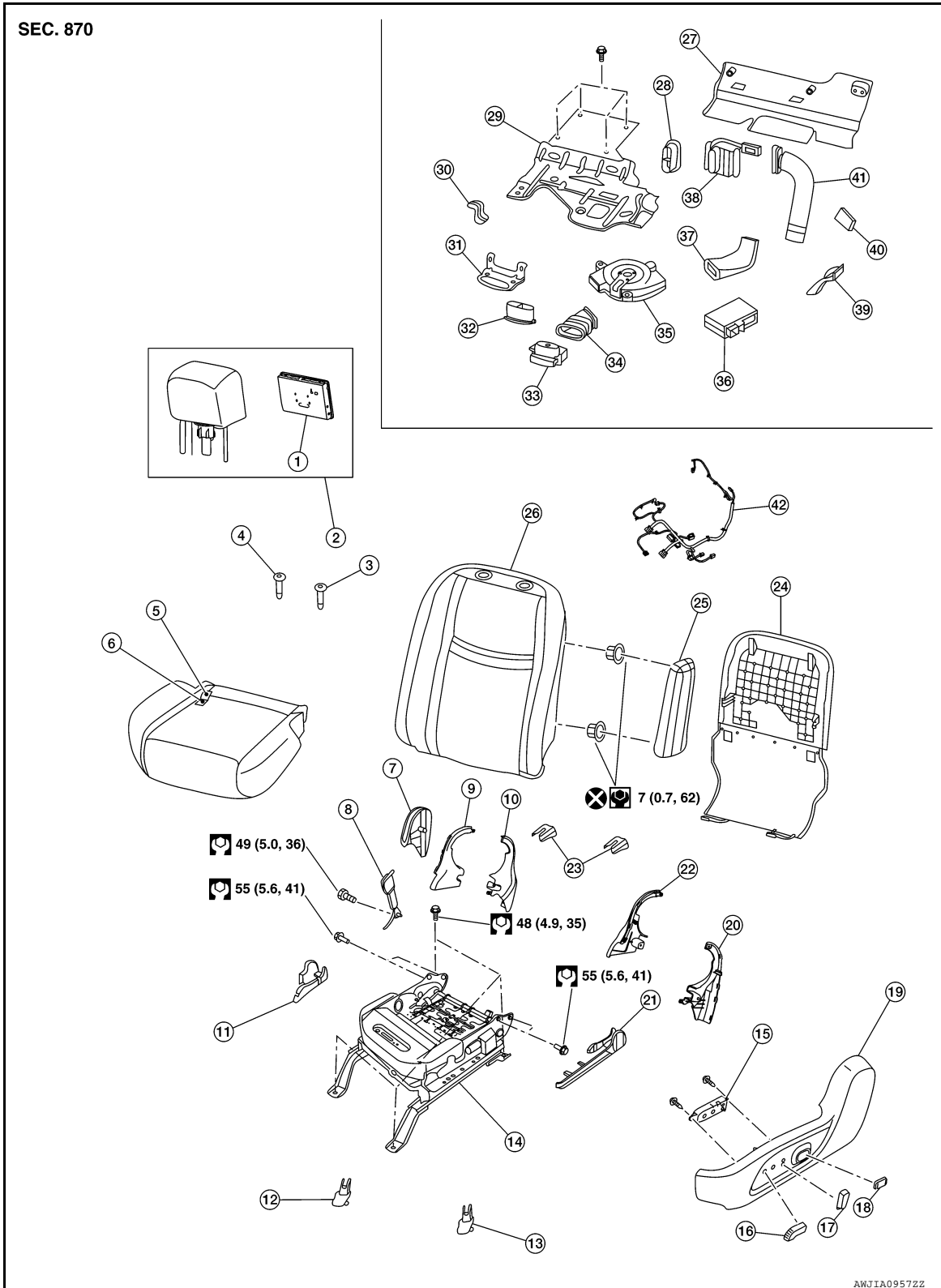
REMOVAL AND INSTALLATION

FRONT SEAT

Exploded View

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DRIVER SEAT WITH CLIMATE CONTROL



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FRONT SEAT

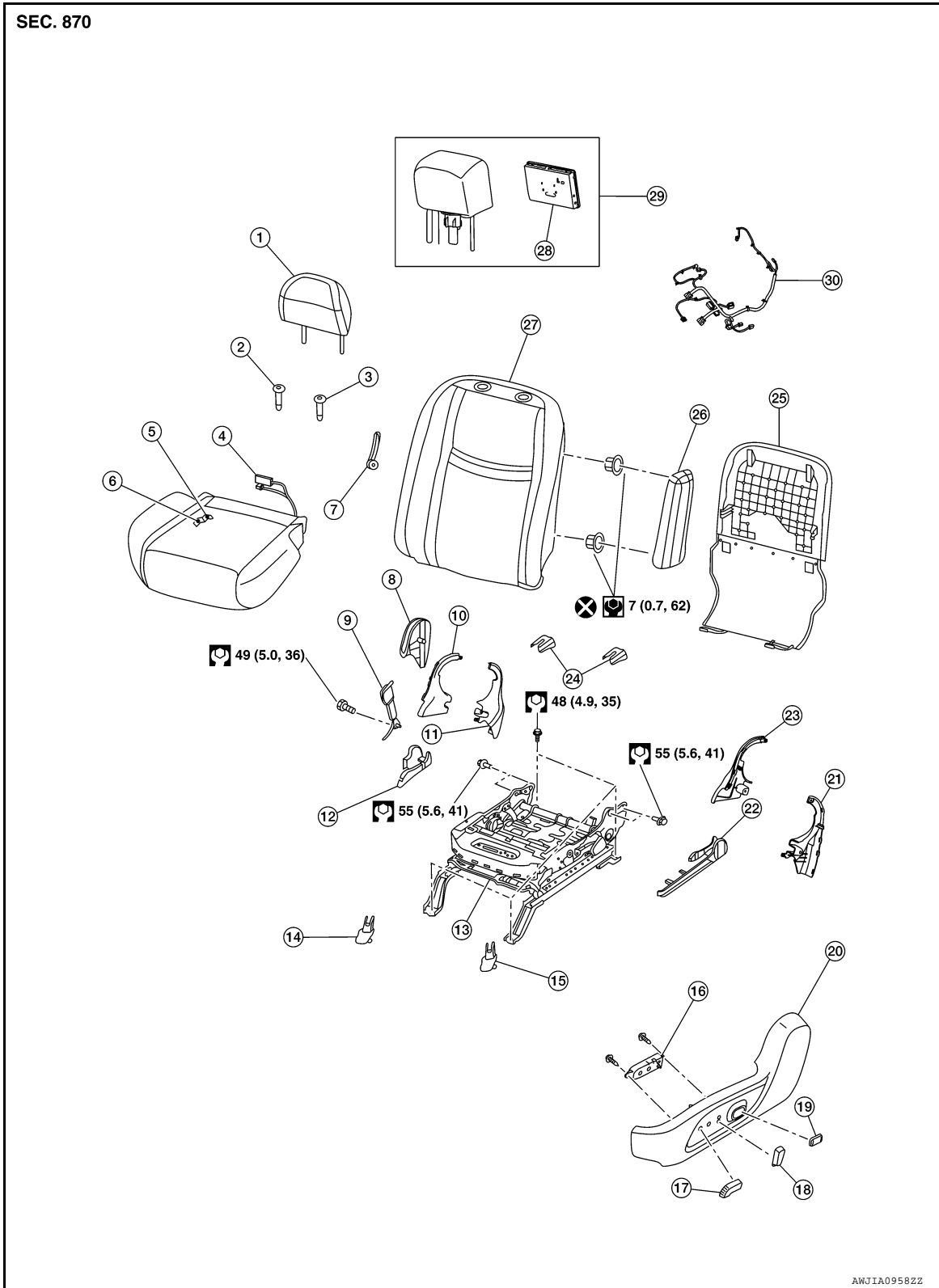
< REMOVAL AND INSTALLATION >

- | | | |
|--|---|---|
| 1. Headrest display | 2. Headrest assembly | 3. Headrest holder (locked) |
| 4. Headrest holder (free) | 5. Seat cushion trim | 6. Seat cushion pad |
| 7. Seat cushion outer finisher (RH) | 8. Seat belt buckle | 9. Seat cushion inner finisher (RH) (front) |
| 10. Seat cushion inner finisher (RH) (rear) | 11. Seat cushion outer lower finisher (RH) | 12. Front slide cover (RH) |
| 13. Front slide cover (LH) | 14. Seat frame assembly | 15. Power seat switch |
| 16. Seat slide knob | 17. Seat recline knob | 18. Lumbar support switch |
| 19. Seat cushion outer finisher (LH) | 20. Seat cushion inner finisher (LH) (rear) | 21. Seat cushion outer lower finisher (LH) |
| 22. Seat cushion inner finisher (LH) (front) | 23. Rear slide cover | 24. Seatback board |
| 25. Side air bag module (not service-able) | 26. Seatback assembly | 27. Lower rear cover |
| 28. Thermal electric device nozzle | 29. Blower motor bracket | 30. Thermal electric device harness bracket |
| 31. Thermal electric device bracket | 32. Thermal electric device nozzle | 33. Seat cushion thermal electric device |
| 34. Lower blower duct | 35. Blower motor with filter | 36. Climate controlled seat control unit |
| 37. Angle duct | 38. Seatback thermal electric device | 39. Thermal electric device clip |
| 40. Upper blower duct clip | 41. Upper blower duct | 42. Seat harness |

FRONT SEAT

< REMOVAL AND INSTALLATION >

DRIVER SEAT WITHOUT CLIMATE CONTROL



- | | | |
|--|---|--|
| 1. Headrest without display | 2. Headrest holder (free) | 3. Headrest holder (locked) |
| 4. Seat cushion heater (if equipped) | 5. Seat cushion trim | 6. Seat cushion pad |
| 7. Lumbar lever (if equipped) | 8. Seat cushion outer finisher (RH) | 9. Seat belt buckle |
| 10. Seat cushion inner finisher (RH) (front) | 11. Seat cushion inner finisher (RH) (rear) | 12. Seat cushion outer lower finisher (RH) |
| 13. Seat frame assembly | 14. Front slide cover (RH) | 15. Front slide cover (LH) |

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FRONT SEAT

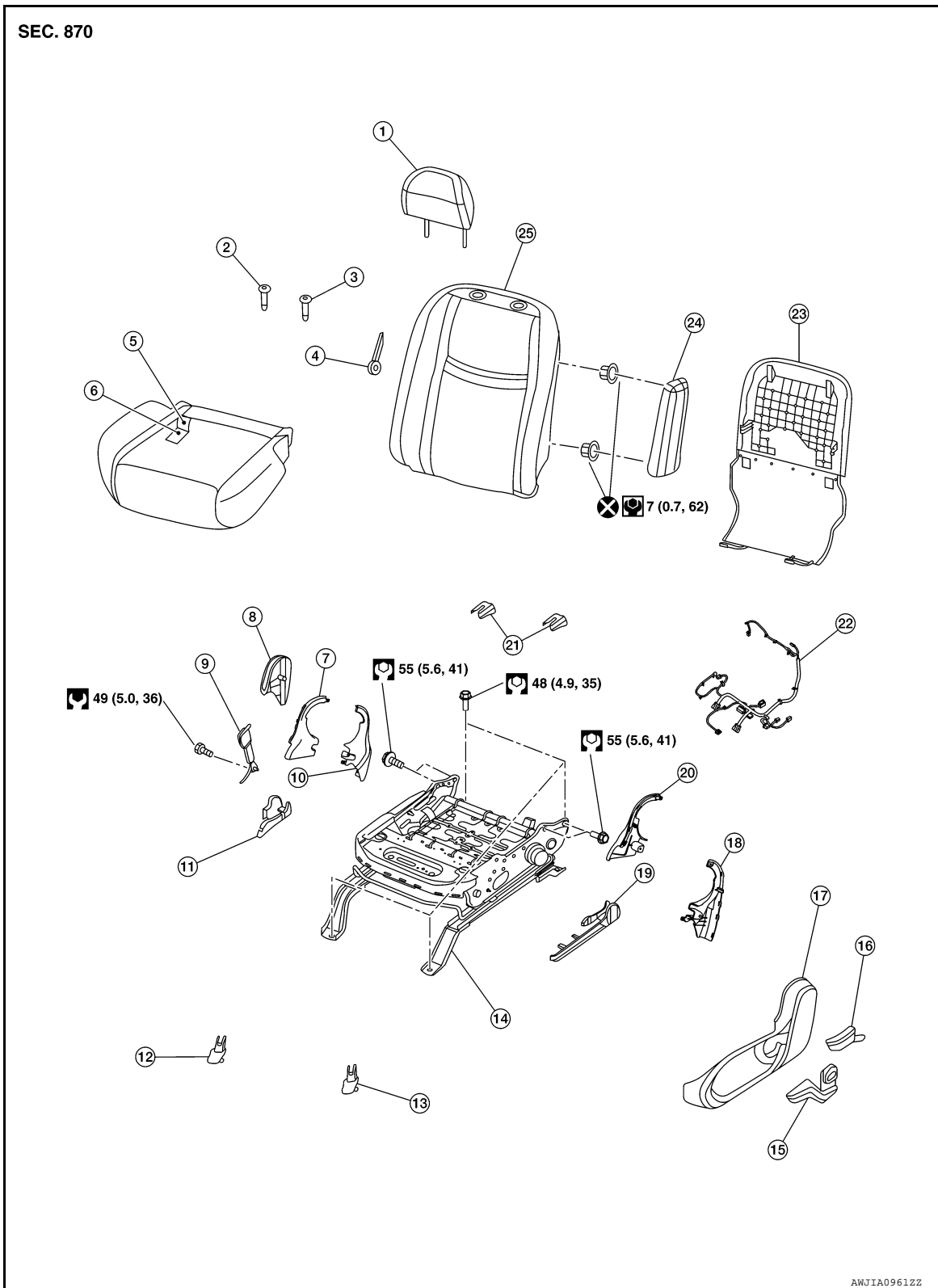
< REMOVAL AND INSTALLATION >

- | | | |
|--|--|---|
| 16. Power seat switch | 17. Seat slide knob | 18. Seat recline knob |
| 19. Lumbar support switch (if equipped) | 20. Seat cushion outer finisher (LH) | 21. Seat cushion inner finisher (LH) (rear) |
| 22. Seat cushion outer lower finisher (LH) | 23. Seat cushion inner finisher (LH) (front) | 24. Rear slide cover |
| 25. Seatback board | 26. Side air bag module (not serviceable) | 27. Seatback assembly |
| 28. Headrest display (if equipped) | 29. Headrest assembly with display | 30. Seat harness |

FRONT SEAT

< REMOVAL AND INSTALLATION >

DRIVER SEAT - MANUAL



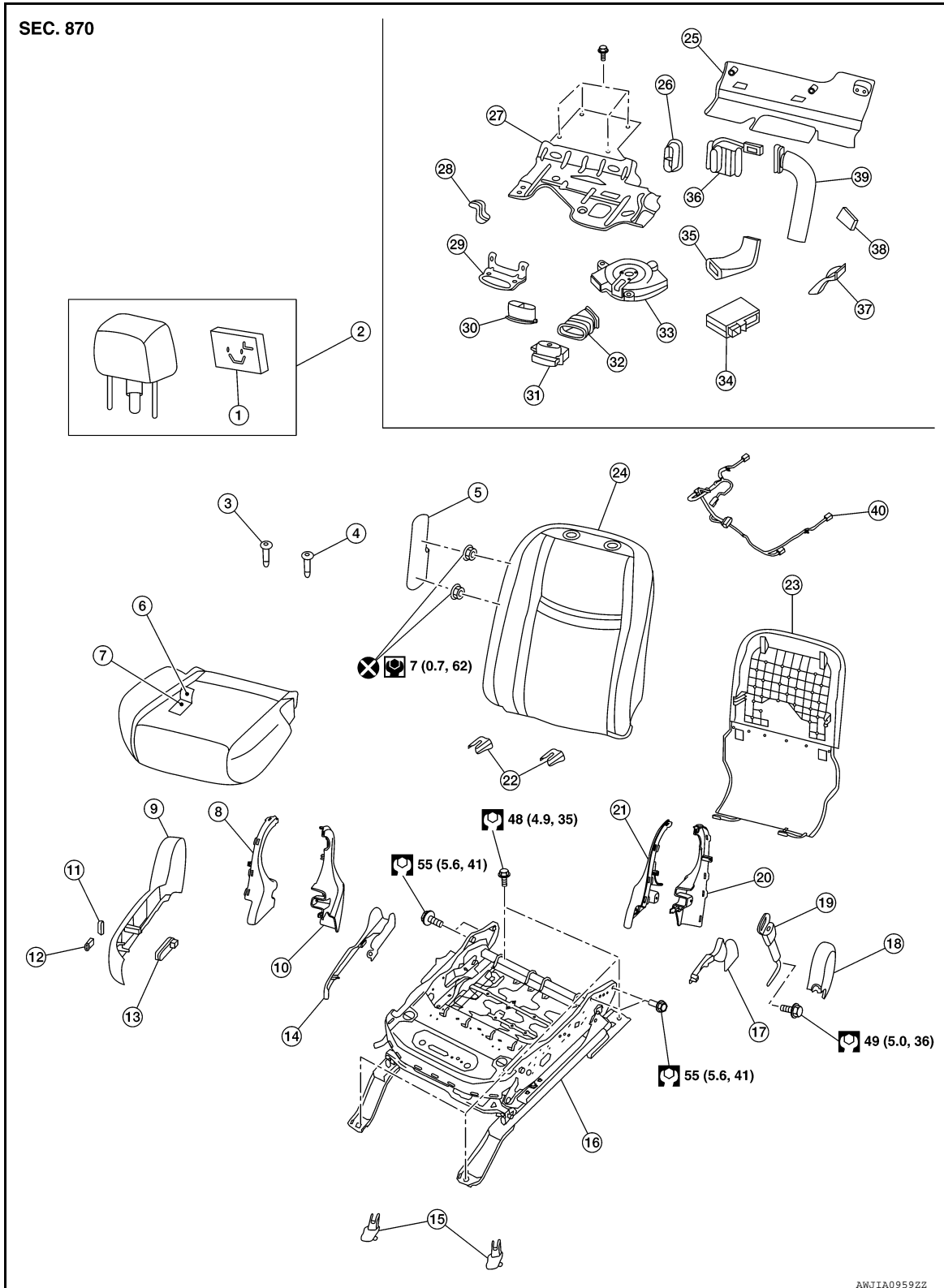
- | | | |
|---|--|-----------------------------|
| 1. Headrest | 2. Headrest holder (free) | 3. Headrest holder (locked) |
| 4. Lumbar lever | 5. Seat cushion trim | 6. Seat cushion pad |
| 7. Seat cushion inner finisher (RH) (front) | 8. Seat cushion outer finisher (RH) | 9. Seat belt buckle |
| 10. Seat cushion inner finisher (RH) (rear) | 11. Seat cushion outer lower finisher (RH) | 12. Front slide cover (RH) |
| 13. Front slide cover (LH) | 14. Seat frame assembly | 15. Lift lever |

FRONT SEAT

< REMOVAL AND INSTALLATION >

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| 16. Recline lever | 17. Seat cushion outer finisher (LH) | 18. Seat cushion inner finisher (LH) (rear) |
| 19. Seat cushion outer lower finisher (LH) | 20. Seat cushion inner finisher (LH) (front) | 21. Rear slide cover |
| 22. Seat harness | 23. Seatback board | 24. Side air bag module (not service-able) |
| 25. Seatback assembly | | |

PASSENGER SEAT WITH CLIMATE CONTROL



FRONT SEAT

< REMOVAL AND INSTALLATION >

1. Headrest display	2. Headrest assembly	3. Headrest holder (free)	A
4. Headrest holder (locked)	5. Side air bag module (not serviceable)	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. Seat cushion outer lower finisher (RH)	15. Front slide cover	C
16. Seat frame assembly	17. Seat cushion outer lower finisher (LH)	18. Seat cushion outer finisher (LH)	D
19. Seat belt buckle	20. Seat cushion inner finisher (LH) (rear)	21. Seat cushion inner finisher (LH) (front)	
22. Rear slide cover	23. Seatback board	24. Seatback assembly	E
25. Lower rear cover	26. Thermal electric device nozzle	27. Blower motor bracket	
28. Thermal electric device harness bracket	29. Thermal electric device bracket	30. Thermal electric device nozzle	F
31. Seat cushion thermal electric device	32. Lower blower duct	33. Blower motor with filter	
34. Climate controlled seat control unit	35. Angle duct	36. Seatback thermal electric device	
37. Thermal electric device clip	38. Upper blower duct clip	39. Upper blower duct	G
40. Seat harness			

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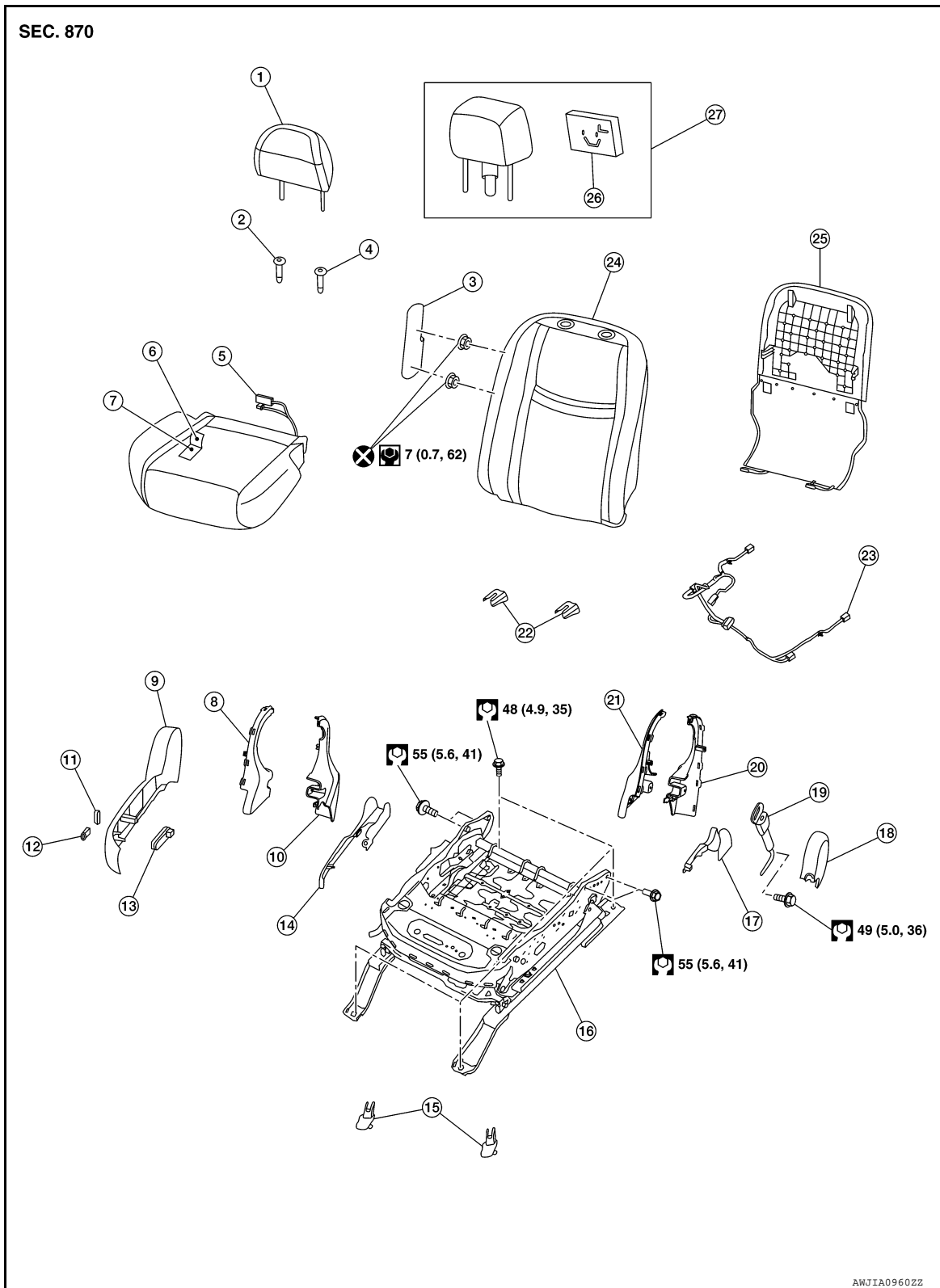
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FRONT SEAT

< REMOVAL AND INSTALLATION >

PASSENGER SEAT WITHOUT CLIMATE CONTROL



- | | | |
|---|---|---|
| 1. Headrest without display | 2. Headrest holder (free) | 3. Side air bag module (not service-able) |
| 4. Headrest holder (locked) | 5. Seat cushion heater (if equipped) | 6. Seat cushion trim |
| 7. Seat cushion pad | 8. Seat cushion inner finisher (RH) (front) | 9. Seat cushion outer finisher (RH) |
| 10. Seat cushion inner finisher (RH) (rear) | 11. Seat recline knob | 12. Seat slide knob |

FRONT SEAT

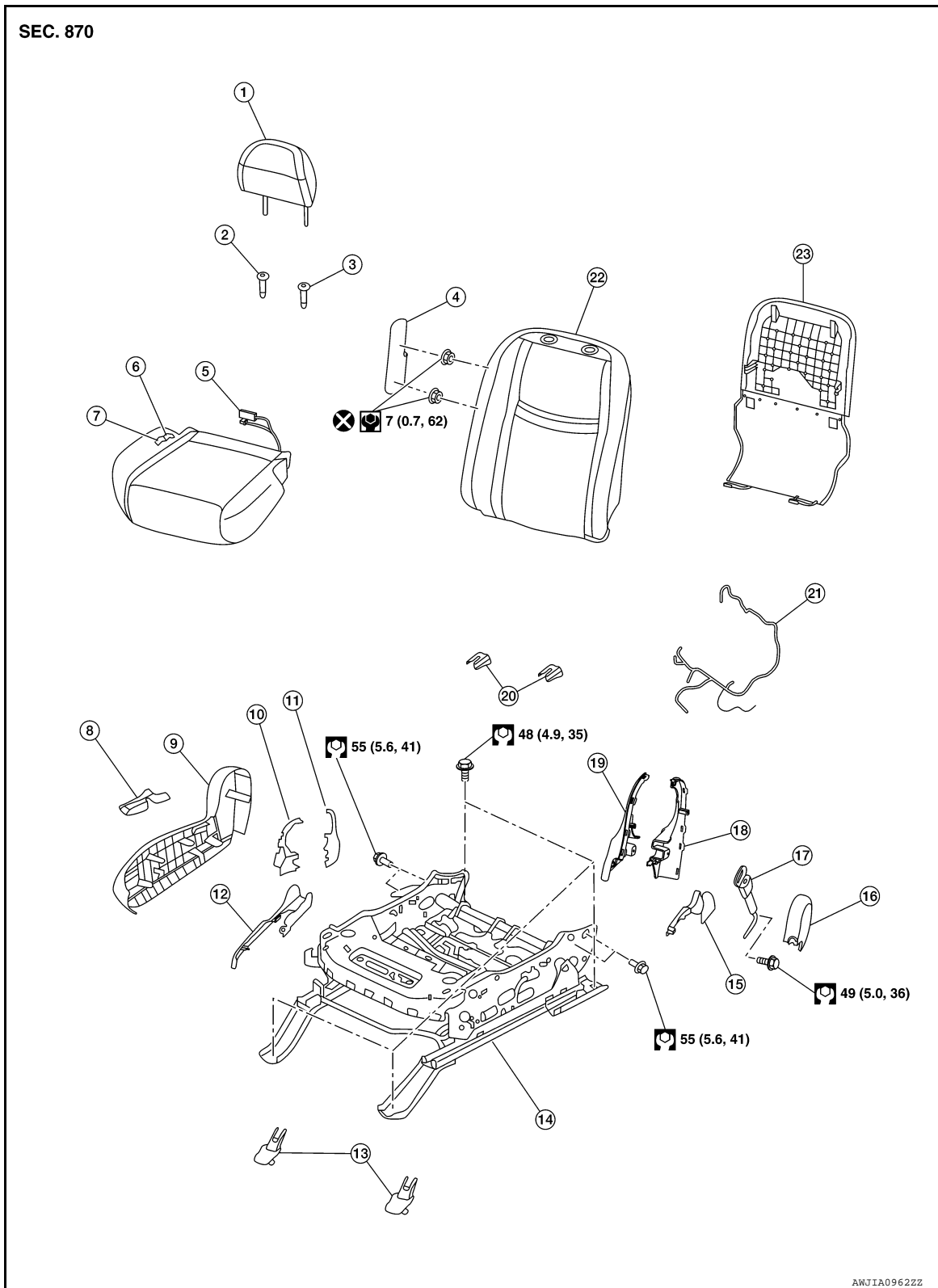
< REMOVAL AND INSTALLATION >

13. Power seat switch	14. Seat cushion outer lower finisher (RH)	15. Front slide cover	A
16. Seat frame assembly	17. Seat cushion outer lower finisher (LH)	18. Seat cushion outer upper finisher (LH)	B
19. Seat belt buckle	20. Seat cushion inner finisher (LH) (rear)	21. Seat cushion inner finisher (LH) (front)	B
22. Rear slide cover	23. Seat harness	24. Seatback assembly	C
25. Seatback board	26. Headrest display (if equipped)	27. Headrest assembly with display	C
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FRONT SEAT

< REMOVAL AND INSTALLATION >

PASSENGER SEAT - MANUAL



- | | | |
|--|---|--|
| 1. Headrest | 2. Headrest holder (free) | 3. Headrest holder (locked) |
| 4. Side air bag module (not service-able) | 5. Seat cushion heater (if equipped) | 6. Seat cushion trim |
| 7. Seat cushion pad | 8. Recline lever | 9. Seat cushion outer finisher (RH) |
| 10. Seat cushion inner finisher (RH) (front) | 11. Seat cushion inner finisher (RH) (rear) | 12. Seat cushion outer lower finisher (RH) |

FRONT SEAT

< REMOVAL AND INSTALLATION >

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|--|-------------------------|---|
| 13. Front slide cover | 14. Seat frame assembly | 15. Seat cushion outer lower finisher (LH) |
| 16. Seat cushion outer finisher (LH) | 17. Seat belt buckle | 18. Seat cushion inner finisher (LH) (rear) |
| 19. Seat cushion inner finisher (LH) (front) | 20. Rear slide cover | 21. Seat harness |
| 22. Seatback assembly | 23. Seatback board | |

Removal and Installation

INFOID:000000008506743

REMOVAL

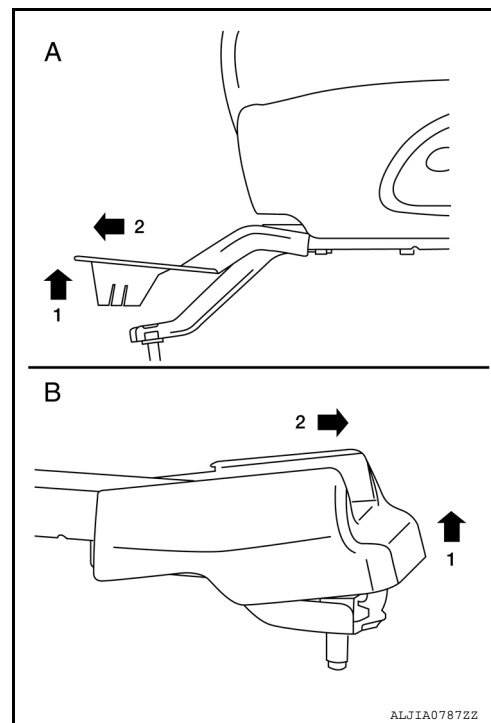
WARNING:

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 and wait at least three minutes.

1. Slide the seat to the full rearward position.
2. Disconnect the negative and positive battery terminals and wait at least three minutes. Refer to [PG-89, "Removal and Installation"](#).
3. Disconnect the harness connector from side air bag module. Refer to [SR-22, "Removal and Installation"](#).
4. Remove the front slide covers (A) by lifting up and then pulling forward, then remove front seat bolts.
5. Connect the negative and positive battery terminals, then slide the seat to the full forward position.
6. Disconnect the negative and positive battery terminals and wait at least three minutes.
7. Remove the rear slide covers (B) by lifting up and then pulling rearward, then remove rear seat bolts.



8. Release the seat harness attachment clips, then disconnect the following harness connectors from the seat (if equipped):

Driver Side:

- Driver seat control unit (ADP) (if equipped)
- DVD monitor (if equipped)
- Power seat switch (if equipped)

FRONT SEAT

< REMOVAL AND INSTALLATION >

Passenger Side:

- Occupant Detection
- DVD monitor (if equipped)
- Power seat switch (if equipped)

9. Remove the seat from the vehicle.

INSTALLATION

Installation is in the reverse order of removal.

WARNING:

- Perform additional services when installing front passenger seat. Refer to [SRC-42. "ZERO POINT RESET : 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.

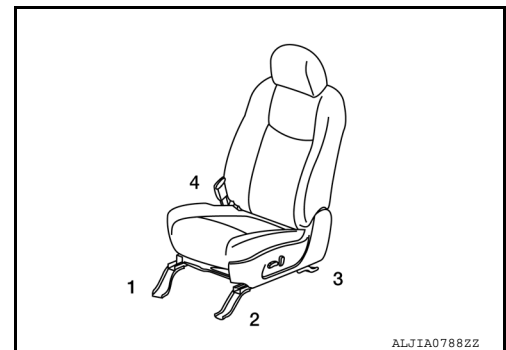
CAUTION:

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

NOTE:

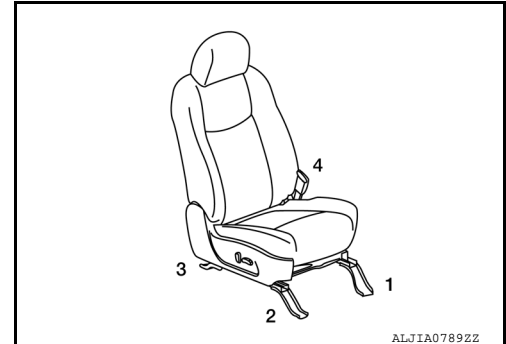
- When installing the LH front seat, tighten the bolts in the order shown.

LH front seat bolt torque : 48 N-m (4.9 kg-m, 35 ft-lb)



- When installing the RH front seat, tighten the bolts in the order shown.

RH front seat bolt torque : 48 N-m (4.9 kg-m, 35 ft-lb)



Seatback Board

INFOID:000000008506744

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.

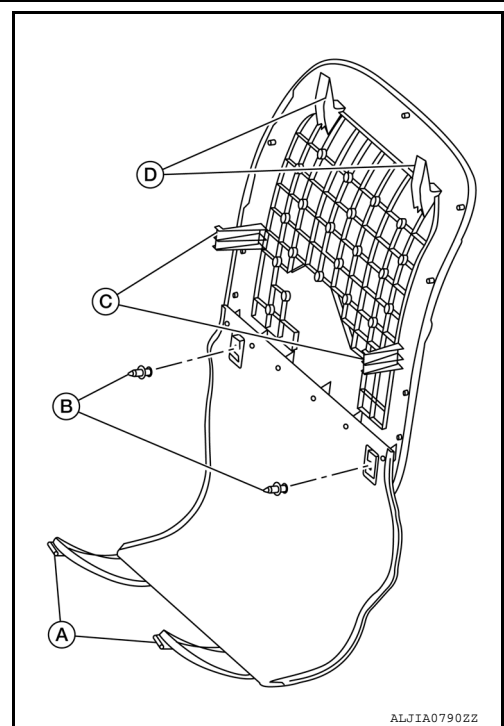
CAUTION:

- 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 and wait at least three minutes.
1. Disconnect the negative and positive battery terminals and wait at least three minutes. Refer to [PG-89. "Removal and Installation"](#).

FRONT SEAT

< REMOVAL AND INSTALLATION >

2. Release the two J-hook retainers (A) from the seat frame assembly.
3. Release the seatback board lower clips (B).
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

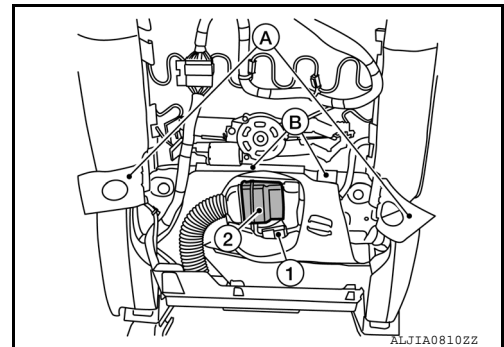
Installation is in the reverse order of removal.

Seatback Thermal Electric Device

INFOID:000000008506745

REMOVAL

1. Remove the seatback board. Refer to [SE-86. "Seatback Board"](#).
2. Release the seatback lower hook and loop 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 the seatback frame.



INSTALLATION

Installation is in the reverse order of removal.

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SECOND ROW SEATS

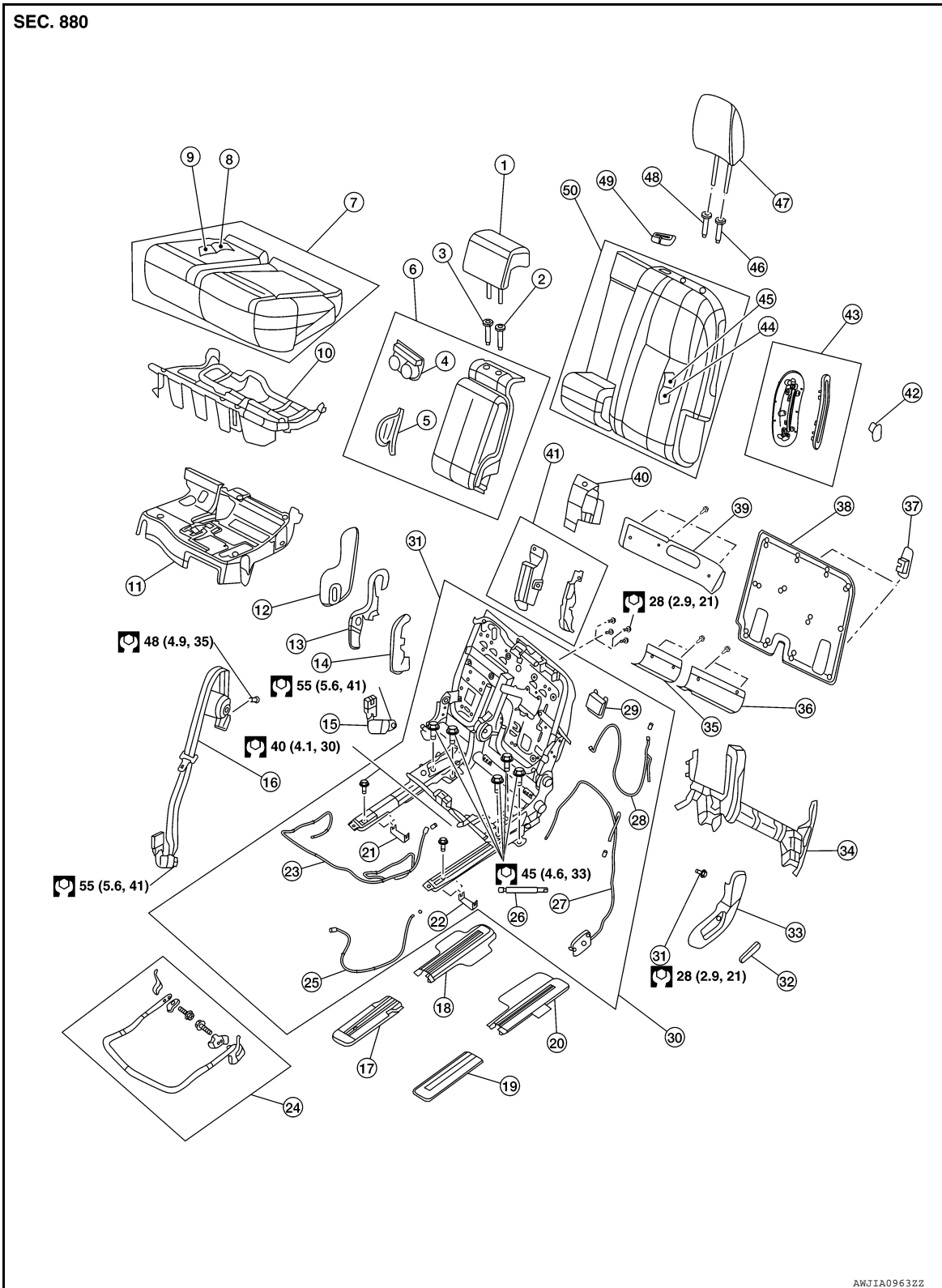
< REMOVAL AND INSTALLATION >

SECOND ROW SEATS

Exploded View

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LH BENCH SEAT



AWJIA09632Z

SECOND ROW SEATS

< REMOVAL AND INSTALLATION >

1. Headrest (RH)	2. Headrest holder (free) (RH)	3. Headrest holder (locked) (RH)	A
4. Cup holder	5. Armrest hinge finisher	6. Armrest assembly	
7. Seat cushion assembly	8. Seat cushion trim	9. Seat cushion pad	
10. Seat cushion frame	11. Seat cushion latch finisher	12. Outer finisher (RH)	B
13. Inner finisher (RH)	14. Center recline finisher	15. Seat belt buckle (RH)	
16. Seat belt retractor (RH)	17. Front slide cover (RH)	18. Rear slide cover (RH)	
19. Front slide cover (LH)	20. Rear slide cover (LH)	21. Seat slide clip (RH)	C
22. Seat slide clip (LH)	23. Seat slide release cable	24. Seat slide control lever assembly	
25. Seat cushion release cable	26. Support strut	27. Recline release cable assembly	
28. EZ entry cable	29. Dampener	30. Seat frame assembly	D
31. Seat cushion pivot bolt	32. Recline lever	33. Seat cushion outer finisher (LH)	
34. Rear finisher	35. Trim stiffener (RH)	36. Trim stiffener (LH)	
37. Tether anchor cover	38. Seatback board	39. EPP upper panel	E
40. Seat belt retractor finisher (RH)	41. Support finisher (RH)	42. EZ entry lever	
43. EZ entry finisher	44. Seatback pad	45. Seatback trim	
46. Headrest holder (locked) (LH)	47. Headrest (LH)	48. Headrest holder (free) (LH)	F
49. Seat belt retractor finisher	50. Seatback assembly		

RH SEAT

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SECOND ROW SEATS

< REMOVAL AND INSTALLATION >

- | | | |
|----------------------------|--------------------------------|------------------------------|
| 19. EZ entry cable | 20. Seat cushion release cable | 21. Seat slide release cable |
| 22. Support strut | 23. Seat cushion pivot bolt | 24. Inner finisher (LH) |
| 25. Outer finisher (LH) | 26. Seat belt buckle | 27. Rear finisher |
| 28. Trim stiffener | 29. Seatback board | 30. Tether anchor cover |
| 31. EPP upper panel | 32. Support finisher | 33. Seatback trim |
| 34. Seatback pad | 35. Seatback assembly | 36. Headrest holder (locked) |
| 37. Headrest holder (free) | 38. Headrest | 39. EZ entry finisher |

Removal and Installation

INFOID:000000008506747

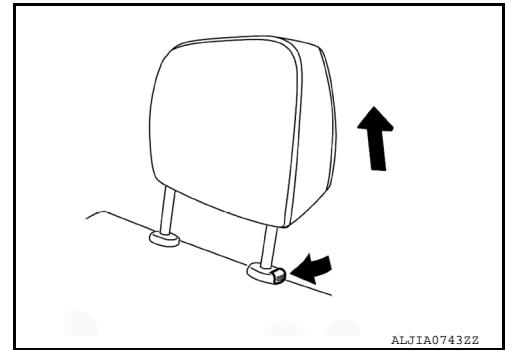
LH BENCH SEAT

Removal

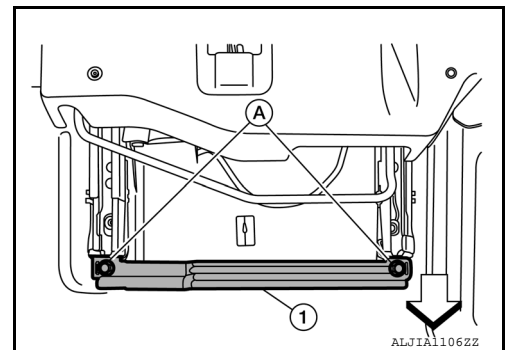
CAUTION:

- 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-20. "KICKING PLATE : Removal and Installation - Rear Kicking Plate"](#).
2. Press the headrest holder lock button in on each, then remove headrest (LH) and headrest (RH).



3. Slide the seat to the full rear position.
4. Remove front slide covers (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 connectors then release from front of seat.
7. Remove the two bolts from the front of the seat track
8. Slide the seat to the full forward position.
9. Remove rear slide covers (LH/RH).
 - a. Pull up on the rear edge to release pawls.
 - b. Then slide forward to remove from seat track.

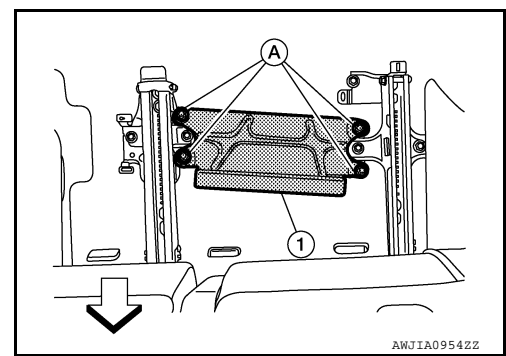
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SECOND ROW SEATS

< REMOVAL AND INSTALLATION >

- 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



- Remove the five rear seat bolts.
- Fold the seatback in the flat position, then remove the seat from the vehicle.

Installation

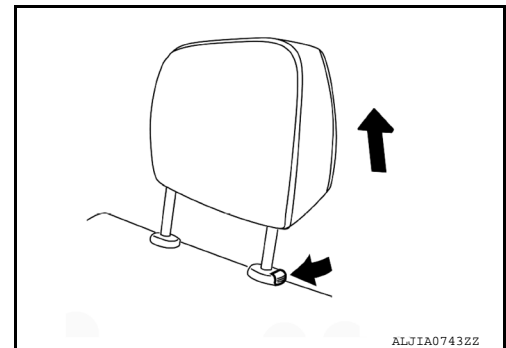
Installation is in the reverse order of removal.

RH SEAT

Removal

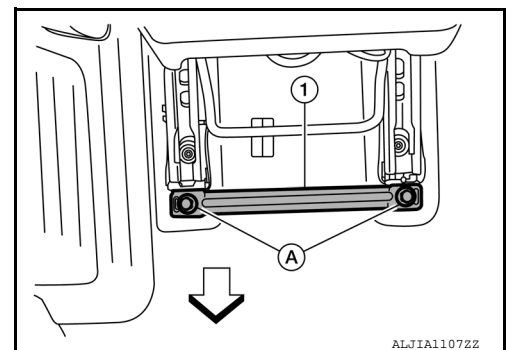
CAUTION:

- 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.
- Remove the rear kicking plate (LH). Refer to [INT-20, "KICKING PLATE : Removal and Installation - Rear Kicking Plate"](#).
 - Press the headrest holder lock button in, then remove the headrest.



- Slide the seat to the full rear position.
- Remove front slide covers (LH/RH).
 - Pull up on the front edge to release pawls.
 - Then slide forward to remove from seat track.
- 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

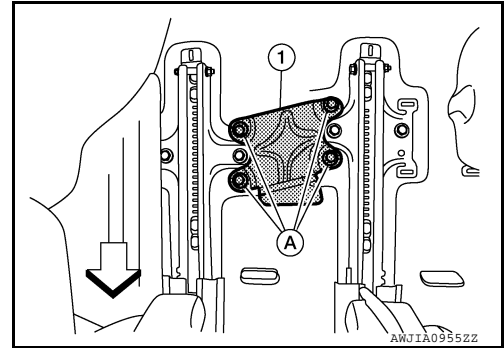


- Disconnect the harness connector then release from front of seat.
- Remove the two bolts from the front of the seat track.
- Slide the seat to the full forward position.
- Remove rear slide covers (LH/RH).

SECOND ROW SEATS

< REMOVAL AND INSTALLATION >

- 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 four rear seat bolts.
12. Fold the seatback in the flat position, then remove the seat from the vehicle.

Installation

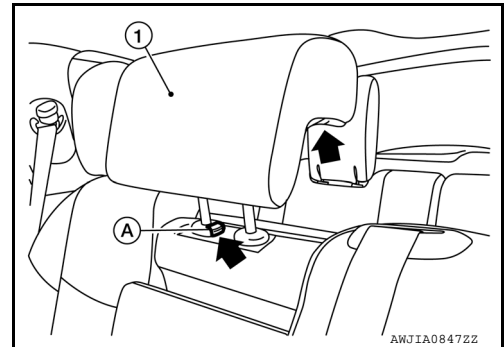
Installation is in the reverse order of removal.

Armrest Assembly

INFOID:000000008506748

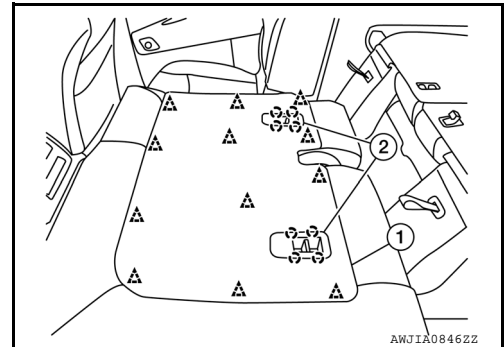
Removal

1. Press in the headrest holder button (A), then remove LH bench seat headrest (RH) (1).



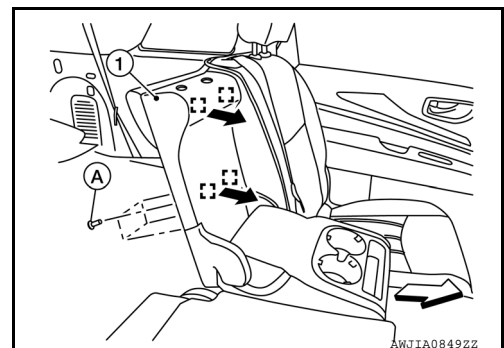
2. Remove two tether anchor covers (2).
3. Remove seatback board (1).

- △: Clip
- : Pawl



4. Remove four armrest assembly bolts (A) and pull the armrest assembly (1) forward (⇐) to release clips.

- : Metal clip
- ⇐: Front



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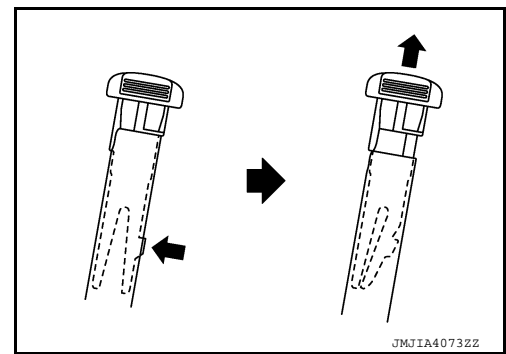
SECOND ROW SEATS

< REMOVAL AND INSTALLATION >

5. Reach up behind the armrest assembly, release the headrest holder locks as shown and remove the headrest holders.

CAUTION:

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



6. Remove armrest assembly.

Installation

Installation is in the reverse order of removal.

Seat Cushion

INFOID:000000008506749

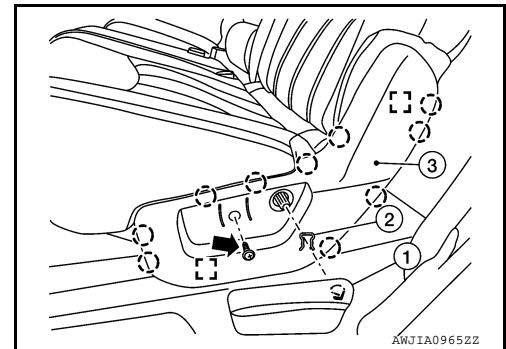
LH BENCH SEAT CUSHION

Removal

1. Remove recline lever.
 - a. Remove snap ring (2) upward using a suitable tool.
 - b. Remove recline lever (1).
2. Remove screw (←) and seat cushion outer finisher (LH) (3).

○: Pawl

□: Metal clip

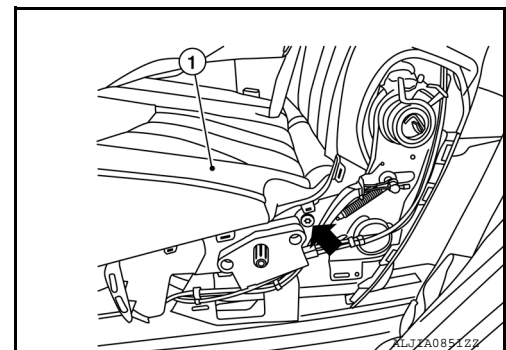


3. Pull seat belt buckles through bottom of LH bench seat cushion.
4. Disconnect the harness connectors from the LH bench seat cushion heater (if equipped) and release the harness from attachments.

NOTE:

Take note of harness routing and attachment location for accurate installation.

5. Remove the support strut at bottom.
6. Remove seat cushion pivot bolt (←) and LH bench seat cushion (1).



Installation

Installation is in the reverse order of removal.

RH SEAT CUSHION

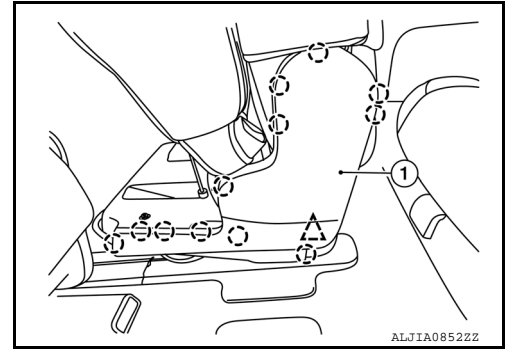
SECOND ROW SEATS

< REMOVAL AND INSTALLATION >

Removal

1. Remove outer finisher (LH) (1).

○: Pawl
△: Clip

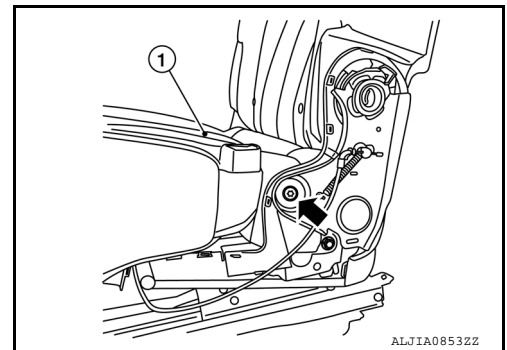


2. Pull seat belt buckle through bottom of RH seat cushion.
3. Disconnect the harness connectors from the RH seat cushion heater (if equipped) and release the harness from attachments.

NOTE:

Take note of harness routing and attachment location for accurate installation.

4. Remove the support strut at bottom.
5. Remove seat cushion pivot bolt (←) and RH seat cushion (1).



Installation

Installation is in the reverse order of removal.

Seat Cushion Release Cable

INFOID:000000008506751

LH BENCH SEAT

Removal

1. Remove LH bench seat cushion. Refer to [SE-94, "Seat Cushion"](#).

2. Release center recline finisher (1) pawls.

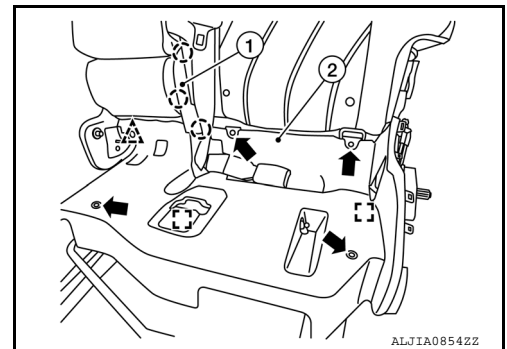
○: Pawl

3. Release clip.

△: Clip

4. Remove screws (←) and lift seat cushion latch finisher (2) to remove.

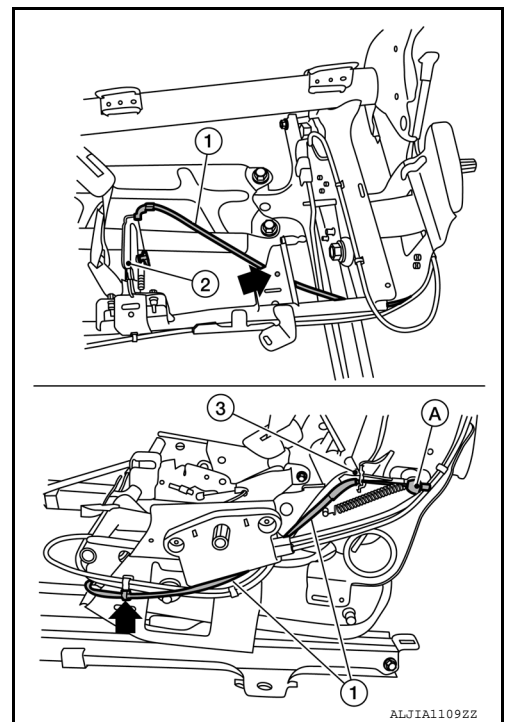
□: Metal clip



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 proper 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.

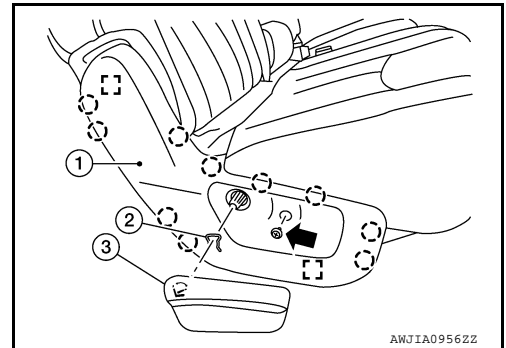
RH SEAT

Removal

1. Remove RH seat cushion. Refer to [SE-94. "Seat Cushion"](#).
2. Remove 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).

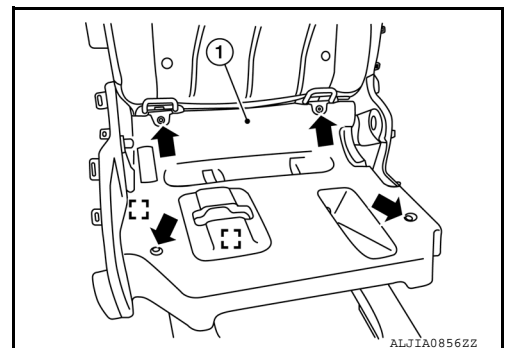
○: Pawl

□: Metal clip



4. Remove screws (←) and lift seat cushion latch finisher (1) to remove.

□: Metal clip



SECOND ROW SEATS

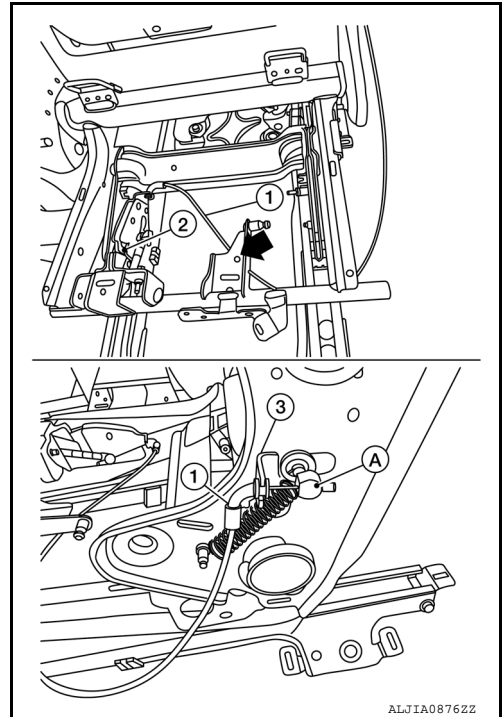
< REMOVAL AND INSTALLATION >

5. Release (←) the seat cushion release cable (1) from the seat frame assembly (3).

CAUTION:

Note the cable routing for proper 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.

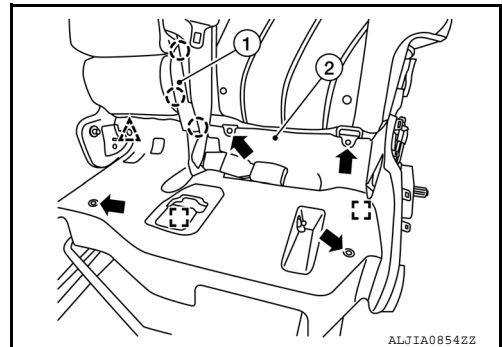
Seat Slide Release Cable

INFOID:000000008506752

LH BENCH SEAT

Removal

1. Remove LH bench seat cushion. Refer to [SE-94, "Seat Cushion"](#).
2. Release the center recline finisher (1) pawls.
○: Pawl
3. Release clip.
△: Clip
4. Remove screws (←) and lift the seat cushion latch finisher (2) to remove.
□: Metal clip



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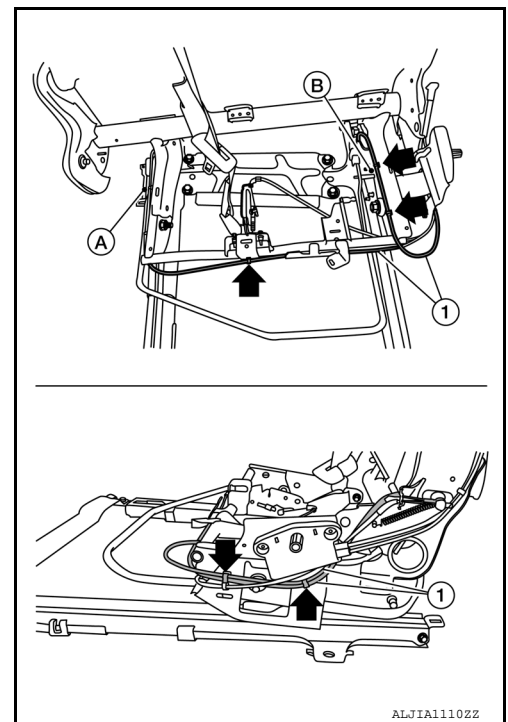
SECOND ROW SEATS

< REMOVAL AND INSTALLATION >

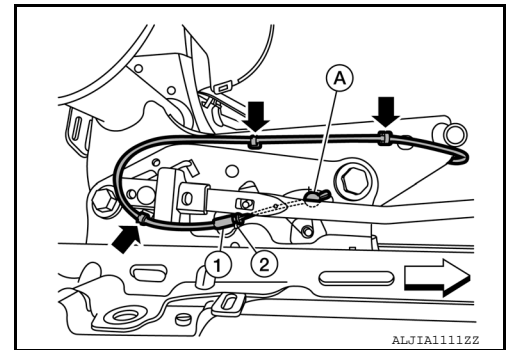
5. Remove the seat slide release cable (1) from both LH side (B) and RH side (A) of seat frame assembly.
 - a. Release (←) the seat slide release cable (1) from the seat frame assembly.

CAUTION:

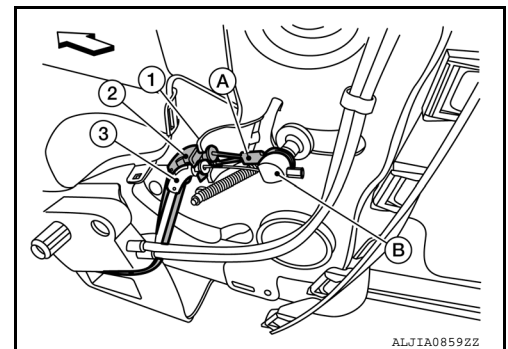
Note the cable routing for proper installation.



- 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 latch release cable (3) from the seat slide release cable (2).
↔: Front
7. Release cable end (B) and position the seat cushion latch 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

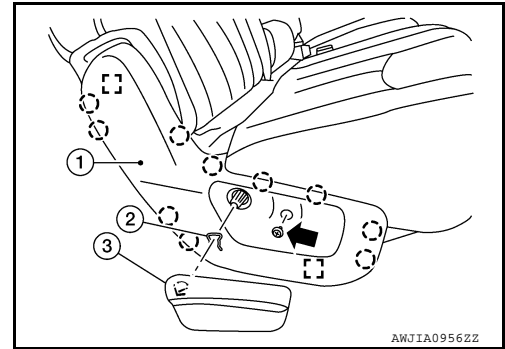
1. Remove RH seat cushion. Refer to [SE-94, "Seat Cushion"](#).

SECOND ROW SEATS

< REMOVAL AND INSTALLATION >

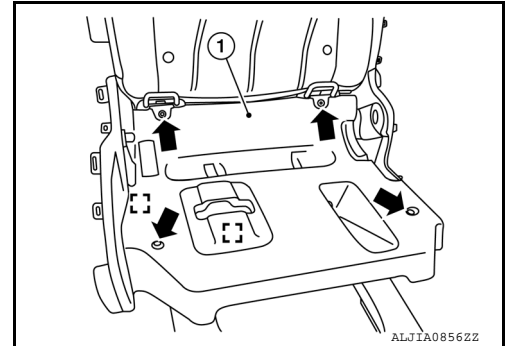
2. Remove recline lever.
 - a. Remove snap ring (2) upward using a suitable tool.
 - b. Remove recline lever (3).
3. Remove screw (←) and the seat cushion outer finisher (RH) (1).

○: Pawl
 □: Metal clip

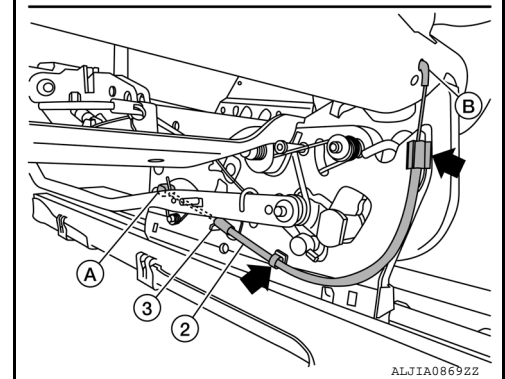
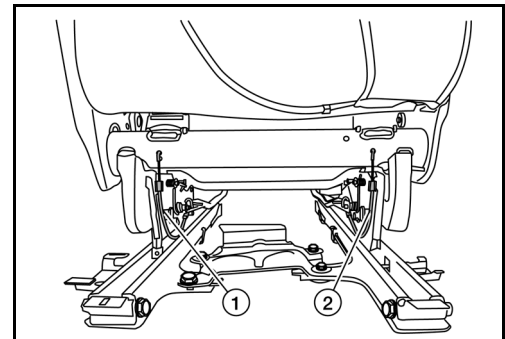


4. Remove screws (←) and lift seat cushion latch finisher (1) to remove.

□: 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).
 - 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.

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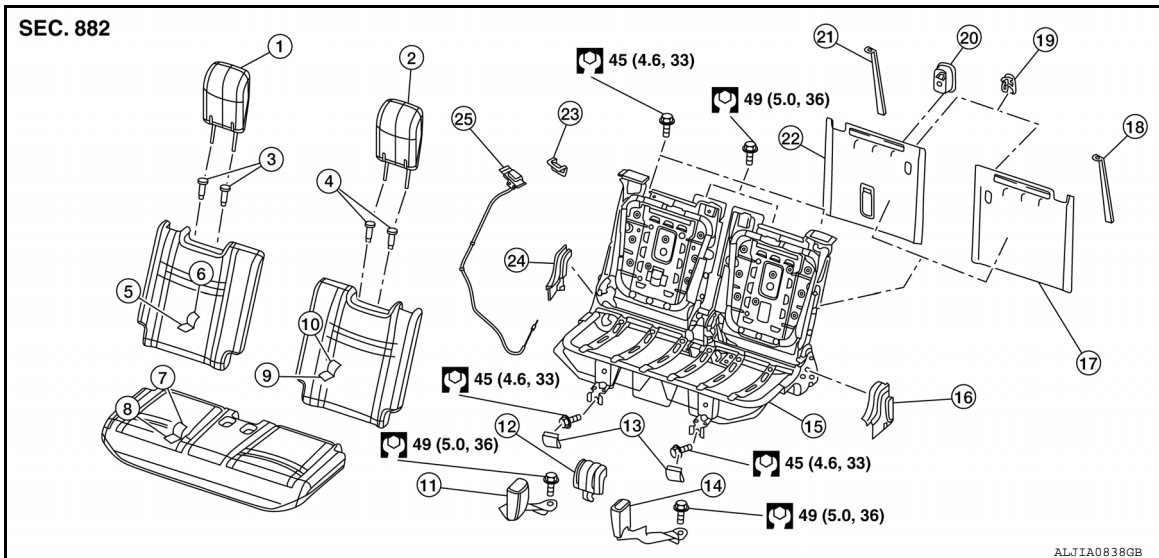
THIRD ROW SEATS

< REMOVAL AND INSTALLATION >

THIRD ROW SEATS

Exploded View

INFOID:000000008506753



- | | | |
|--------------------------------------|---|--------------------------------|
| 1. Headrest (RH) | 2. Headrest (LH) | 3. Headrest holder (RH) |
| 4. Headrest holder (LH) | 5. Seatback trim (RH) | 6. Seatback pad (RH) |
| 7. Seat cushion trim | 8. Seat cushion pad | 9. Seatback trim (LH) |
| 10. Seatback pad (LH) | 11. Seat belt buckle (RH) | 12. Seat hinge center finisher |
| 13. Seat bolt cover | 14. Seat belt buckle (LH) | 15. Seat frame assembly |
| 16. Seat hinge finisher (LH) | 17. Seatback board (LH) | 18. Seatback pull strap (LH) |
| 19. Seatback cargo hook | 20. Top tether strap child restraint finisher | 21. Seatback pull strap (RH) |
| 22. Seatback board (RH) | 23. Seatback release lever finisher | 24. Seat hinge finisher (RH) |
| 25. Seatback release lever and cable | | |

Removal and Installation

INFOID:000000008506754

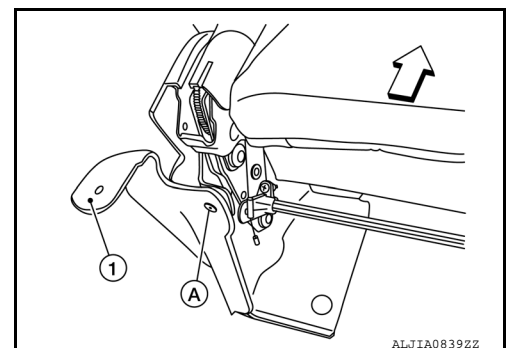
CAUTION:

- 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 covers.
2. Remove the two seat bolts on the front side of the third row seats.
3. Pull the seatback release lever and fold down the RH seatback, then repeat for LH seatback.
4. Remove the storage box. Refer to [INT-30. "STORAGE BOX : Removal and Installation"](#).
5. Remove the four bolts, then remove the jack and jack bracket as an assembly.
6. Release the clip (A) and remove the rear side cover (1).
LH side shown, RH side similar

↔: Front



THIRD ROW SEATS

< REMOVAL AND INSTALLATION >

7. Remove the two seat belt buckle anchor bolts. Refer to [SB-13. "Third Row Seat Belt"](#).
8. Remove the two rear outer seat bolts on the rear side of the third seat.
9. Remove the third row seat from the vehicle.

INSTALLATION

Installation is in the reverse order of removal.

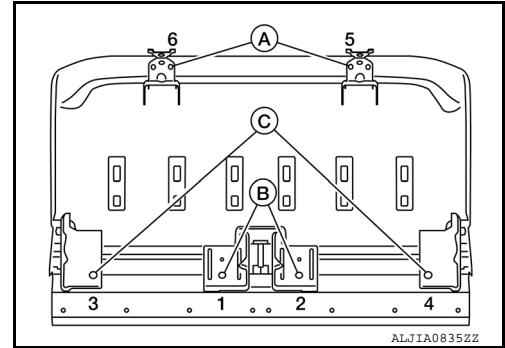
NOTE:

- When installing the third row seat, tighten the bolts in the order shown.

3rd row front seat bolt torque (A) : 45 N·m (4.6 kg-m, 33 ft-lb)

3rd row seat belt buckle anchor bolt torque (B) : 49 N·m (5.0 kg-m, 36 ft-lb)

3rd row rear outer seat bolt torque (C) : 45 N·m (4.6 kg-m, 33 ft-lb)



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FRONT SEAT

< UNIT DISASSEMBLY AND ASSEMBLY >

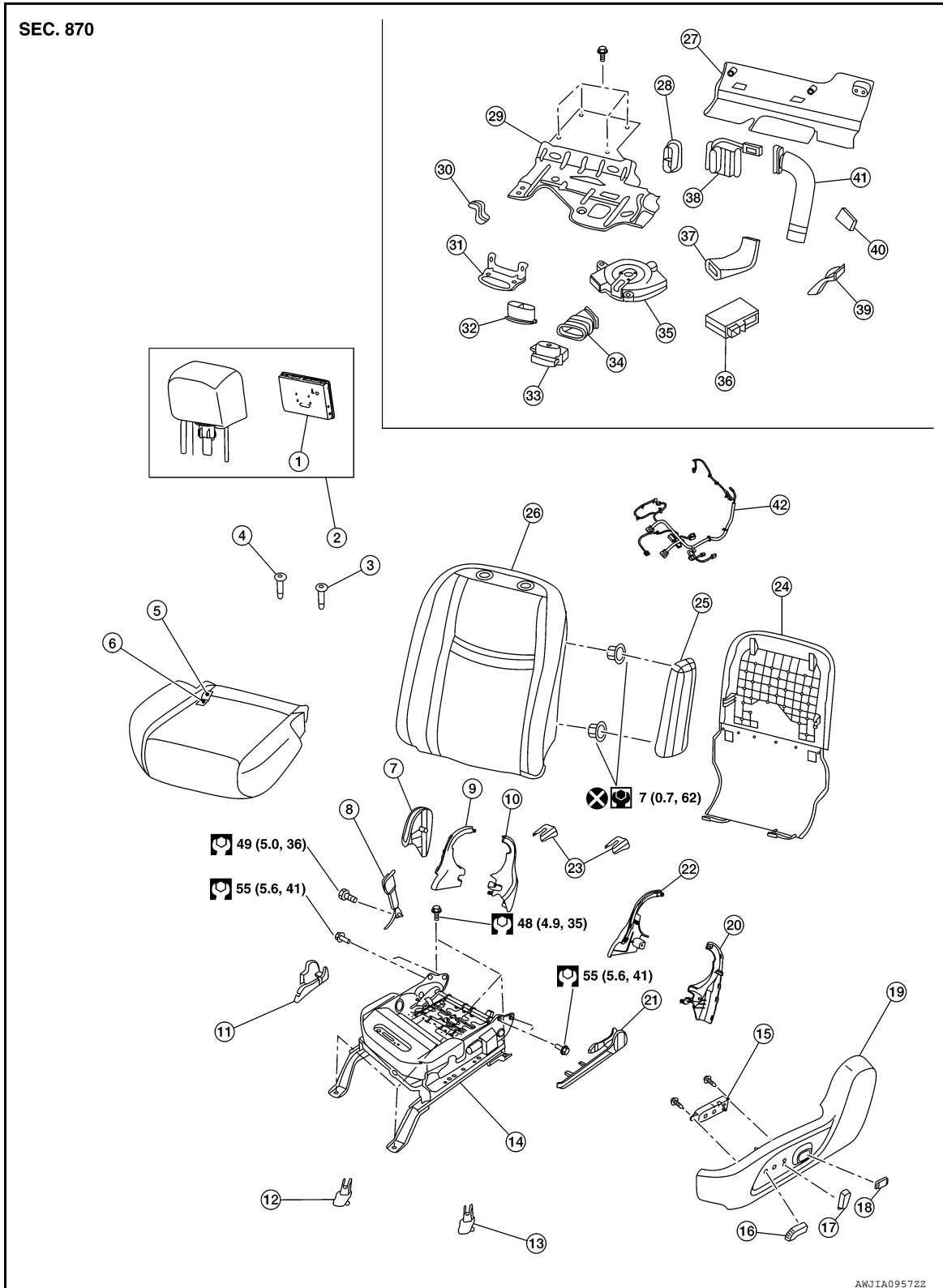
UNIT DISASSEMBLY AND ASSEMBLY

FRONT SEAT

Exploded View

INFOID:000000009014377

DRIVER SEAT WITH CLIMATE CONTROL



FRONT SEAT

< UNIT DISASSEMBLY AND ASSEMBLY >

1. Headrest display	2. Headrest assembly	3. Headrest holder (locked)	A
4. Headrest holder (free)	5. Seat cushion trim	6. Seat cushion pad	
7. Seat cushion outer finisher (RH)	8. Seat belt buckle	9. Seat cushion inner finisher (RH) (front)	B
10. Seat cushion inner finisher (RH) (rear)	11. Seat cushion outer lower finisher (RH)	12. Front slide cover (RH)	
13. Front slide cover (LH)	14. Seat frame assembly	15. Power seat switch	C
16. Seat slide knob	17. Seat recline knob	18. Lumbar support switch	
19. Seat cushion outer finisher (LH)	20. Seat cushion inner finisher (LH) (rear)	21. Seat cushion outer lower finisher (LH)	D
22. Seat cushion inner finisher (LH) (front)	23. Rear slide cover	24. Seatback board	E
25. Side air bag module (not service-able)	26. Seatback assembly	27. Lower rear cover	E
28. Thermal electric device nozzle	29. Blower motor bracket	30. Thermal electric device harness bracket	F
31. Thermal electric device bracket	32. Thermal electric device nozzle	33. Seat cushion thermal electric device	F
34. Lower blower duct	35. Blower motor with filter	36. Climate controlled seat control unit	
37. Angle duct	38. Seatback thermal electric device	39. Thermal electric device clip	G
40. Upper blower duct clip	41. Upper blower duct	42. Seat harness	G

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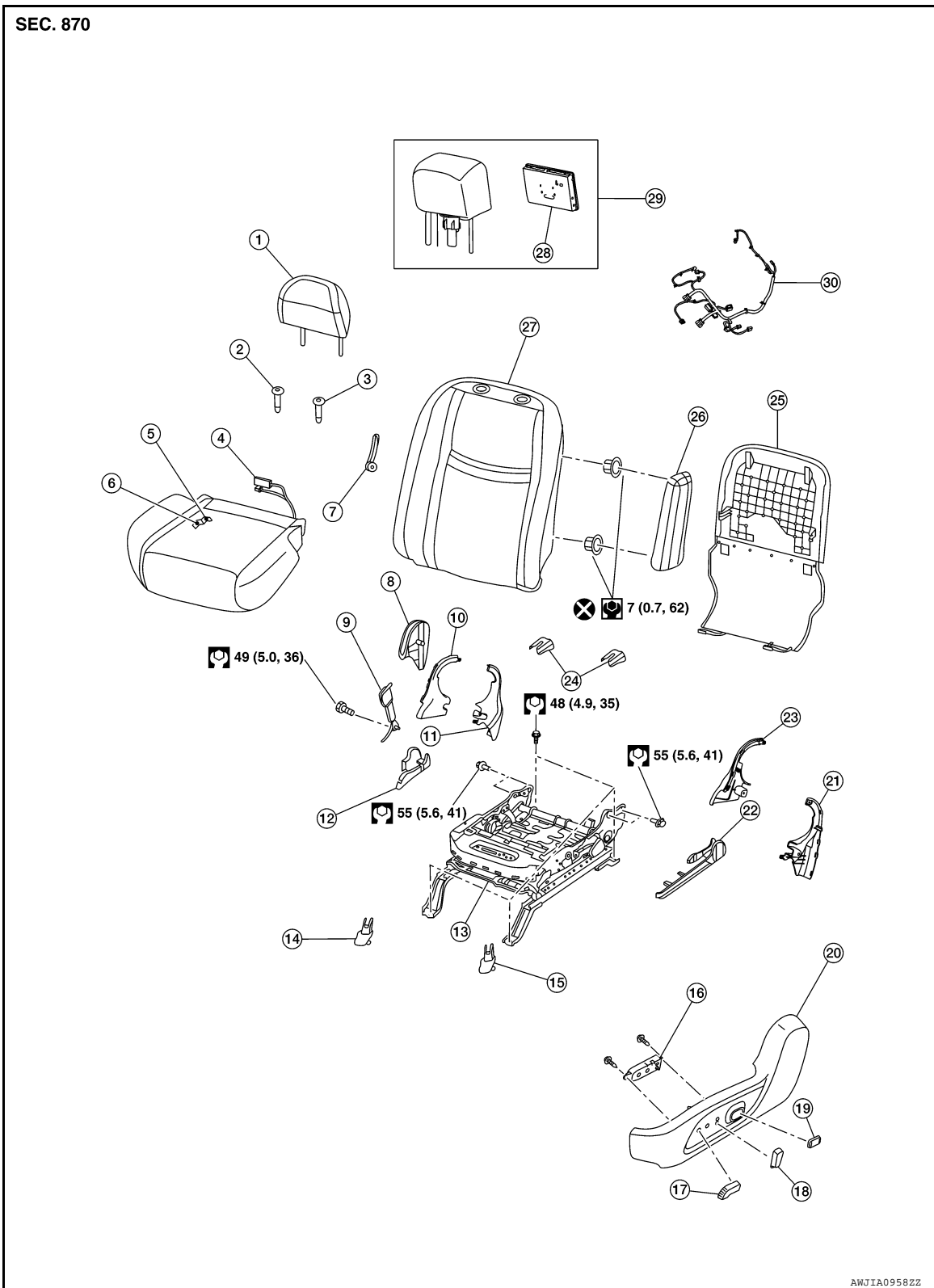
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FRONT SEAT

< UNIT DISASSEMBLY AND ASSEMBLY >

DRIVER SEAT WITHOUT CLIMATE CONTROL



- | | | |
|--|---|--|
| 1. Headrest without display | 2. Headrest holder (free) | 3. Headrest holder (locked) |
| 4. Seat cushion heater (if equipped) | 5. Seat cushion trim | 6. Seat cushion pad |
| 7. Lumbar lever (if equipped) | 8. Seat cushion outer finisher (RH) | 9. Seat belt buckle |
| 10. Seat cushion inner finisher (RH) (front) | 11. Seat cushion inner finisher (RH) (rear) | 12. Seat cushion outer lower finisher (RH) |
| 13. Seat frame assembly | 14. Front slide cover (RH) | 15. Front slide cover (LH) |

FRONT SEAT

< UNIT DISASSEMBLY AND ASSEMBLY >

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|--|--|---|---|
| 16. Power seat switch | 17. Seat slide knob | 18. Seat recline knob | |
| 19. Lumbar support switch (if equipped) | 20. Seat cushion outer finisher (LH) | 21. Seat cushion inner finisher (LH) (rear) | A |
| 22. Seat cushion outer lower finisher (LH) | 23. Seat cushion inner finisher (LH) (front) | 24. Rear slide cover | B |
| 25. Seatback board | 26. Side air bag module (not serviceable) | 27. Seatback assembly | |
| 28. Headrest display (if equipped) | 29. Headrest assembly with display | 30. Seat harness | C |

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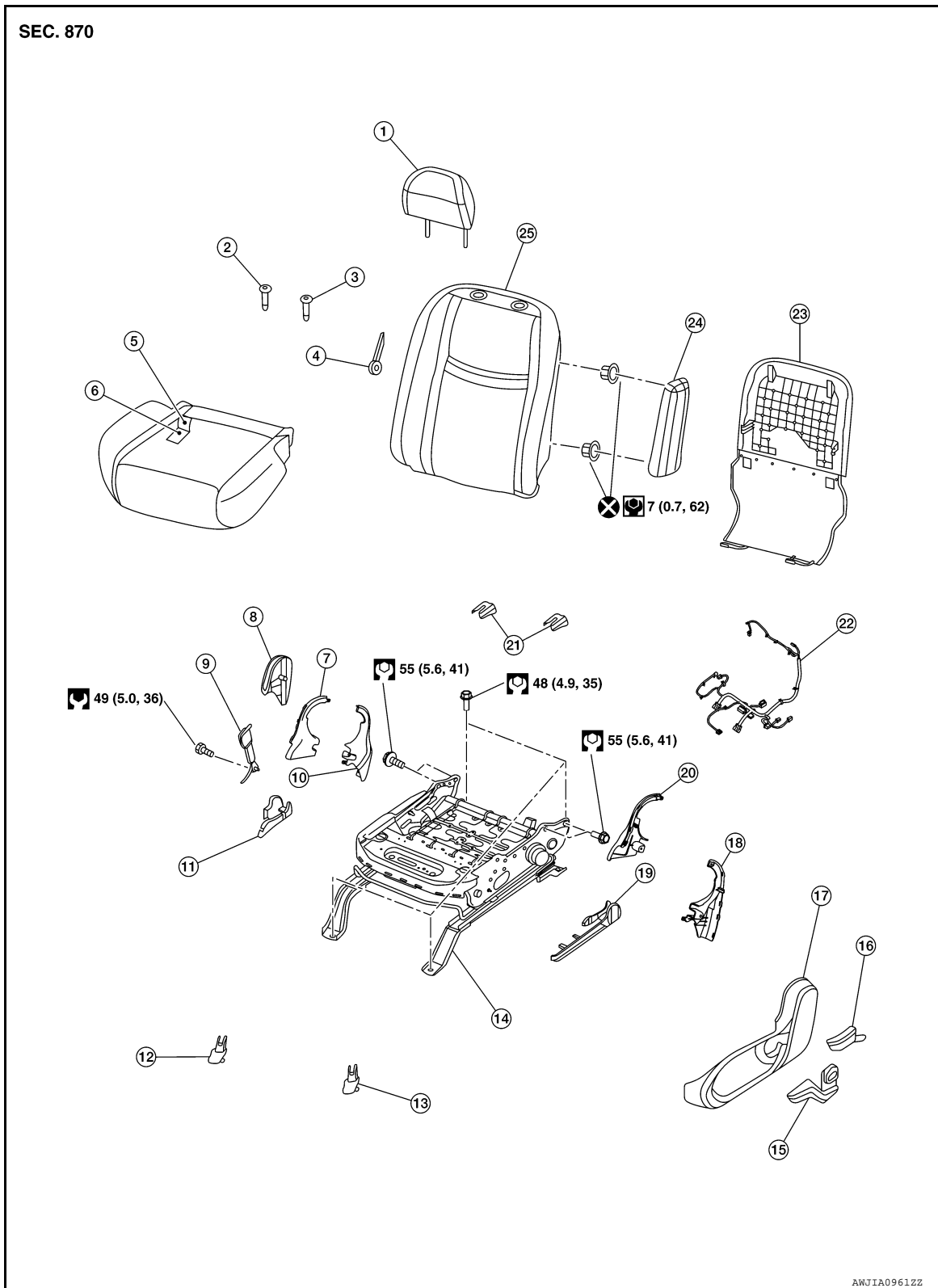
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FRONT SEAT

< UNIT DISASSEMBLY AND ASSEMBLY >

DRIVER SEAT - MANUAL



- | | | |
|---|--|-----------------------------|
| 1. Headrest | 2. Headrest holder (free) | 3. Headrest holder (locked) |
| 4. Lumbar lever | 5. Seat cushion trim | 6. Seat cushion pad |
| 7. Seat cushion inner finisher (RH) (front) | 8. Seat cushion outer finisher (RH) | 9. Seat belt buckle |
| 10. Seat cushion inner finisher (RH) (rear) | 11. Seat cushion outer lower finisher (RH) | 12. Front slide cover (RH) |
| 13. Front slide cover (LH) | 14. Seat frame assembly | 15. Lift lever |

FRONT SEAT

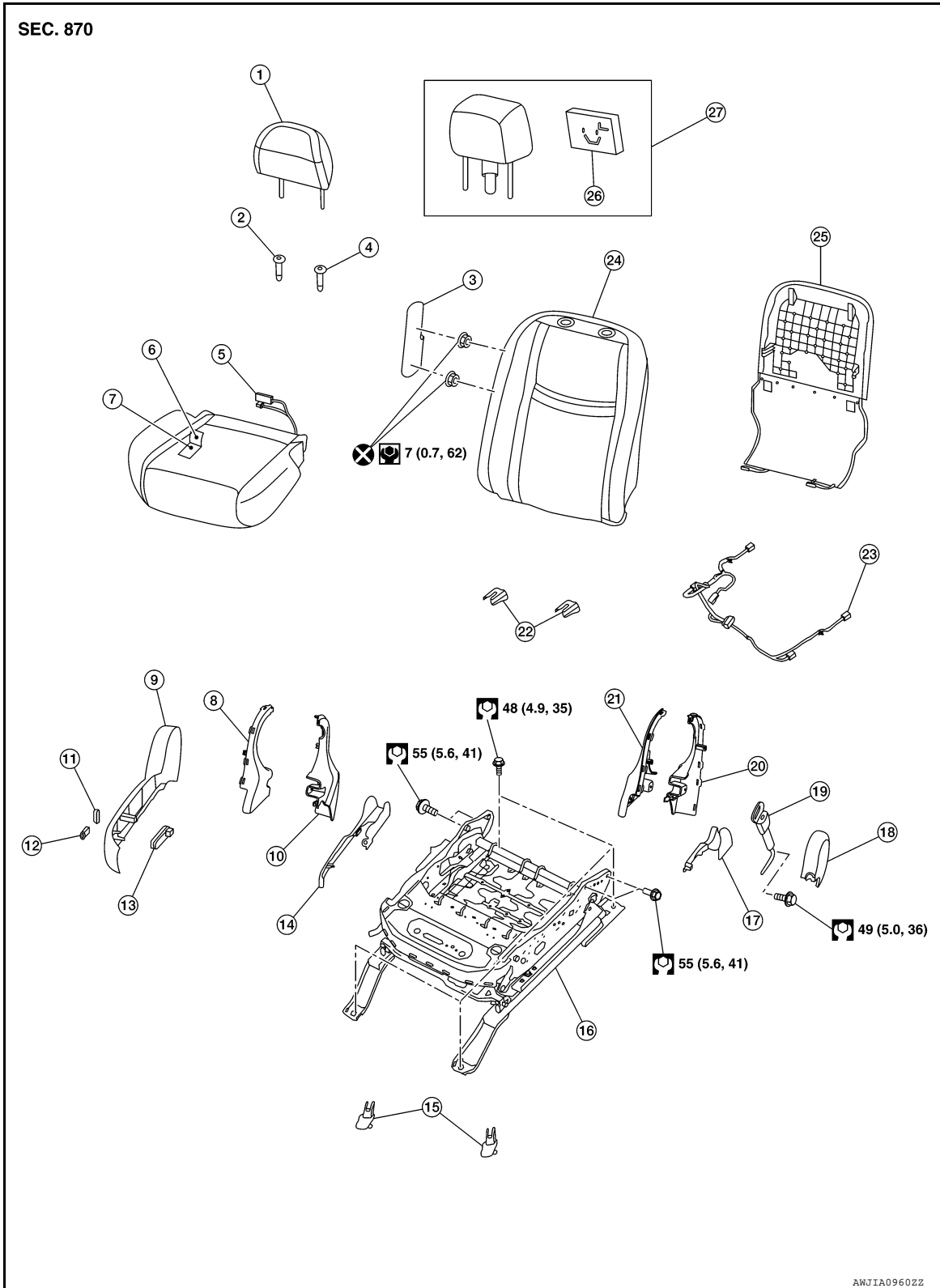
< UNIT DISASSEMBLY AND ASSEMBLY >

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|---|---|--|
| 1. Headrest display | 2. Headrest assembly | 3. Headrest holder (free) |
| 4. Headrest holder (locked) | 5. Side air bag module (not serviceable) | 6. Seat cushion trim |
| 7. Seat cushion pad | 8. Seat cushion inner finisher (RH) (front) | 9. Seat cushion outer finisher (RH) |
| 10. Seat cushion inner finisher (RH) (rear) | 11. Seat recline knob | 12. Seat slide knob |
| 13. Power seat switch | 14. Seat cushion outer lower finisher (RH) | 15. Front slide cover |
| 16. Seat frame assembly | 17. Seat cushion outer lower finisher (LH) | 18. Seat cushion outer finisher (LH) |
| 19. Seat belt buckle | 20. Seat cushion inner finisher (LH) (rear) | 21. Seat cushion inner finisher (LH) (front) |
| 22. Rear slide cover | 23. Seatback board | 24. Seatback assembly |
| 25. Lower rear cover | 26. Thermal electric device nozzle | 27. Blower motor bracket |
| 28. Thermal electric device harness bracket | 29. Thermal electric device bracket | 30. Thermal electric device nozzle |
| 31. Seat cushion thermal electric device | 32. Lower blower duct | 33. Blower motor with filter |
| 34. Climate controlled seat control unit | 35. Angle duct | 36. Seatback thermal electric device |
| 37. Thermal electric device clip | 38. Upper blower duct clip | 39. Upper blower duct |
| 40. Seat harness | | |

FRONT SEAT

< UNIT DISASSEMBLY AND ASSEMBLY >

PASSENGER SEAT WITHOUT CLIMATE CONTROL



- | | | |
|---|---|---|
| 1. Headrest without display | 2. Headrest holder (free) | 3. Side air bag module (not service-able) |
| 4. Headrest holder (locked) | 5. Seat cushion heater (if equipped) | 6. Seat cushion trim |
| 7. Seat cushion pad | 8. Seat cushion inner finisher (RH) (front) | 9. Seat cushion outer finisher (RH) |
| 10. Seat cushion inner finisher (RH) (rear) | 11. Seat recline knob | 12. Seat slide knob |

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FRONT SEAT

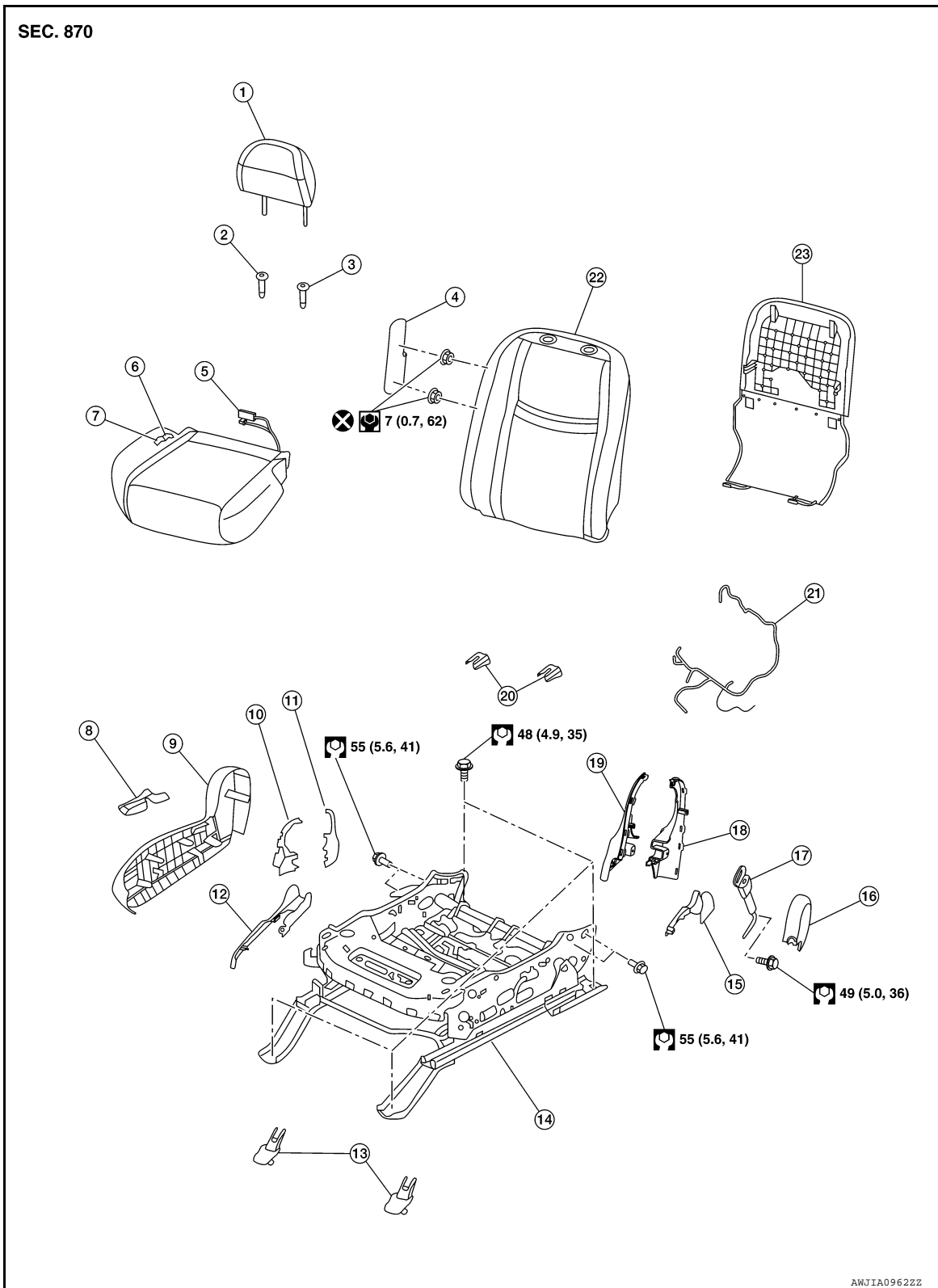
< UNIT DISASSEMBLY AND ASSEMBLY >

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|-------------------------|---|--|
| 13. Power seat switch | 14. Seat cushion outer lower finisher (RH) | 15. Front slide cover |
| 16. Seat frame assembly | 17. Seat cushion outer lower finisher (LH) | 18. Seat cushion outer upper finisher (LH) |
| 19. Seat belt buckle | 20. Seat cushion inner finisher (LH) (rear) | 21. Seat cushion inner finisher (LH) (front) |
| 22. Rear slide cover | 23. Seat harness | 24. Seatback assembly |
| 25. Seatback board | 26. Headrest display (if equipped) | 27. Headrest assembly with display |

FRONT SEAT

< UNIT DISASSEMBLY AND ASSEMBLY >

PASSENGER SEAT - MANUAL



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|--|---|--|
| 1. Headrest | 2. Headrest holder (free) | 3. Headrest holder (locked) |
| 4. Side air bag module (not serviceable) | 5. Seat cushion heater (if equipped) | 6. Seat cushion trim |
| 7. Seat cushion pad | 8. Recline lever | 9. Seat cushion outer finisher (RH) |
| 10. Seat cushion inner finisher (RH) (front) | 11. Seat cushion inner finisher (RH) (rear) | 12. Seat cushion outer lower finisher (RH) |

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FRONT SEAT

< UNIT DISASSEMBLY AND ASSEMBLY >

- | | | |
|--|-------------------------|---|
| 13. Front slide cover | 14. Seat frame assembly | 15. Seat cushion outer lower finisher (LH) |
| 16. Seat cushion outer finisher (LH) | 17. Seat belt buckle | 18. Seat cushion inner finisher (LH) (rear) |
| 19. Seat cushion inner finisher (LH) (front) | 20. Rear slide cover | 21. Seat harness |
| 22. Seatback assembly | 23. Seatback board | |

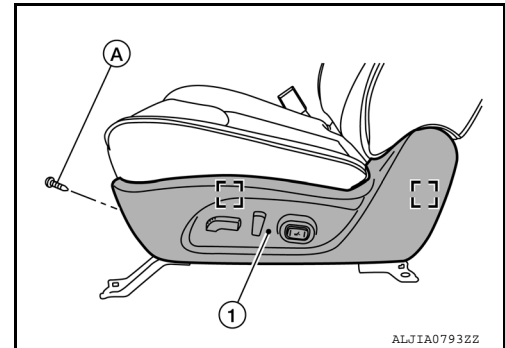
Disassembly and Assembly

INFOID:000000008506756

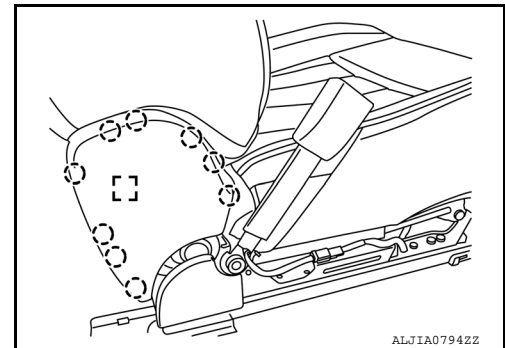
SEAT CUSHION

Disassembly

1. Remove the front seat. Refer to [SE-85. "Removal and Installation"](#).
2. Remove the seat cushion outer finisher (LH) (1).
 - a. For power seat:
 - i. Remove the screw (A) behind the front edge.
 - ii. Release the two metal clips and the pawls.
 - iii. Disconnect the harness connectors from power seat switch and the power lumbar switch (if equipped).



- b. For manual seat:
 - i. Remove the screw behind the front edge.
 - ii. Release pawl and remove the recline lever.
 - iii. Remove two screws and the lift lever (if equipped).
 - iv. Release the two metal clips and the pawls.
3. Release pawls and metal clip to remove the seat cushion outer finisher (RH).
 - : Pawl
 - : Metal clip



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.

CAUTION:

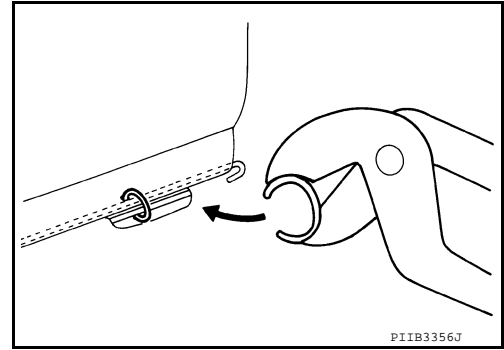
- Make sure hog rings are correctly fastened around both the seat trim and pad wires.
- Replace any deformed or damaged hog rings.
- Make sure any old hog ring pieces are removed from seat.

FRONT SEAT

< UNIT DISASSEMBLY AND ASSEMBLY >

NOTE:

- Install new hog rings on the seat cushion trim in original positions.
- Use only one hog ring in each designated location.
- Be sure hook fastener is pressed into place after seatback trim is assembled.



SEATBACK CUSHION

Disassembly

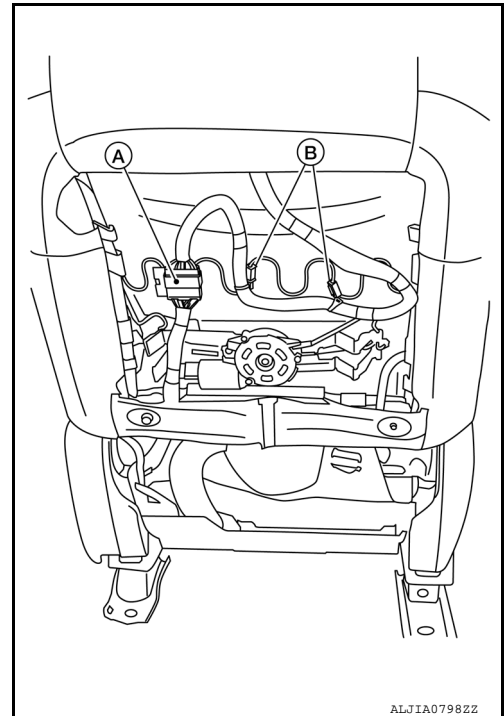
1. Remove front seat. Refer to [SE-85, "Removal and Installation"](#).
2. Remove the seatback board. Refer to [SE-86, "Seatback Board"](#).
3. Remove the headrest.

For standard headrest:

- Press the headrest holder lock button, then pull up to remove standard headrest from the seatback.

For DVD headrest:

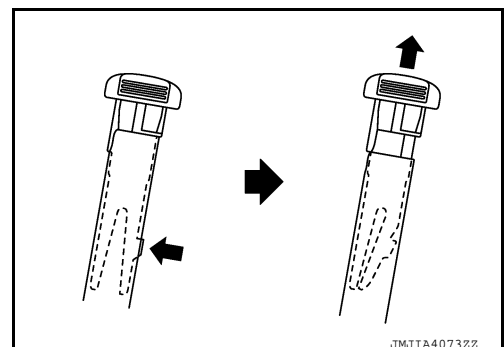
1. Press the DVD headrest holder lock button, then pull up to remove DVD headrest from the seatback.
2. Release the DVD headrest harness clips (A) and disconnect the DVD headrest harness connector (B).
3. Route the DVD headrest harness through the top of the seatback and the center DVD headrest escutcheon, then remove DVD headrest from seatback.
4. Release the pawls and remove the DVD headrest center escutcheon.



4. Release the headrest holder locks as shown and remove the headrest holders.

CAUTION:

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



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FRONT SEAT

< UNIT DISASSEMBLY AND ASSEMBLY >

5. Remove the seat cushion outer finisher (LH) (1).

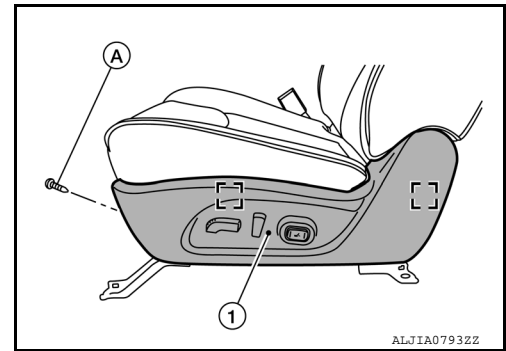
a. For power seat:

i. Remove the screw (A) behind the front edge.

ii. Release the two metal clips and the pawls.

□: Metal clip

iii. Disconnect the harness connectors from power seat switch and the power lumbar switch (if equipped).



b. For manual seat:

i. Remove the screw behind the front edge.

ii. Release pawl and remove the recline lever.

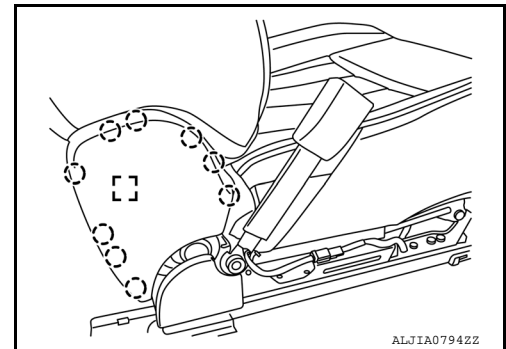
iii. Remove two screws and the lift lever.

iv. Release the two metal clips and the pawls.

6. Release pawls and metal clip to remove the seat cushion outer finisher (RH).

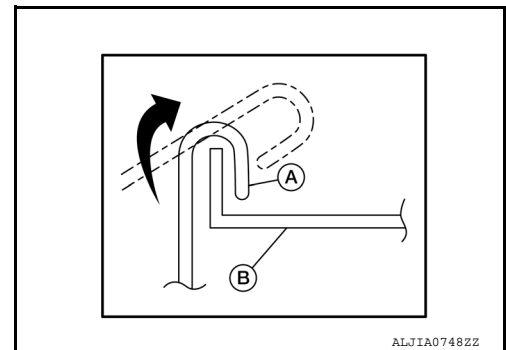
○: Pawl

□: Metal clip



7. Release the seatback hook and loop strap.

8. Release the eleven seatback J-clip retainers (A) holding the seatback trim to the seatback frame (B).



9. Disconnect the harness connector from the seatback heater (if equipped).

10. Remove the lumbar lever (if equipped).

11. Release the side air bag module harness clips.

12. Remove and discard the two side air bag module nuts.

CAUTION:

Do not reuse the side air bag module nuts.

NOTE:

The side air bag module is in the side air bag chute. For side air bag module removal, refer to [SR-22, "Removal and Installation"](#).

13. Remove the seatback cushion trim and seatback pad as an assembly.

14. Separate the seatback cushion trim from the seatback pad.

a. Pull seatback cushion trim upward to release the hook and loop fastener.

b. Remove the center hog rings.

c. Pull the seatback cushion trim up on the RH side and remove the hog rings.

FRONT SEAT

< UNIT DISASSEMBLY AND ASSEMBLY >

- d. Pull the seat cushion trim up on the LH side and remove the hog rings.
- e. Remove the hog rings along seatback cushion trim top.
15. Disconnect the harness connector from the seatback thermal electric device (if equipped), then remove the tie straps and the seatback thermal electric device from the upper blower duct.
16. Remove the upper blower duct tie straps from the seatback frame and discard, then remove the upper blower duct from the blower motor.

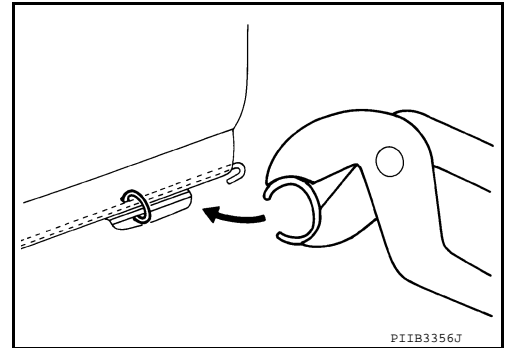
NOTE:

Do not reuse the tie straps for the seatback thermal electric device or upper blower duct.

Assembly

Assembly is in the reverse order of disassembly.

- Install new hog rings on seatback cushion trim in the original position.



- For side air bag module installation, refer to [SR-22. "Removal and Installation"](#).
- For seatback thermal electric device (if equipped) removal and installation, refer to [SE-87. "Seatback Thermal Electric Device"](#)

CAUTION:

- If a malfunction was detected by the air bag warning lamp after repair or replacement of the malfunction parts, reset the memory using self-diagnosis or CONSULT.
- After work is completed, check that no system malfunction is detected by air bag warning lamp.
- Always install new side air bag module nuts.
- 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.
- Smooth out all wrinkles during assembly.
- Inspect seatback pad, seatback trim and side air bag module chute. Replace if damaged.
- Replace any deformed or damaged parts.
- Do not reuse hog rings. Make sure any old hog ring pieces are removed from the seat.
- 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.

Blower Motor

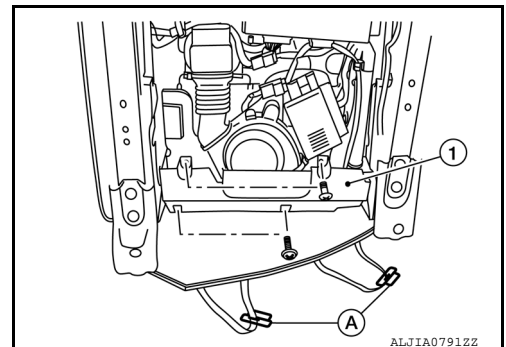
INFOID:000000008506758

REMOVAL

CAUTION:

When removing and installing the seat, use shop cloths to protect the vehicle from damage.

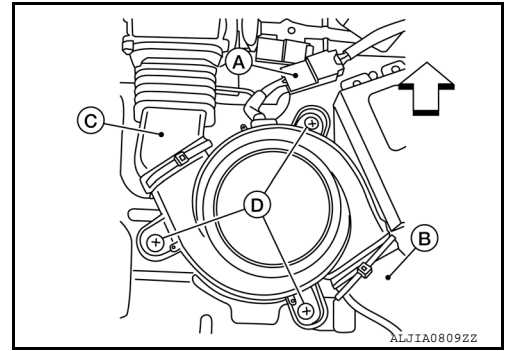
1. Remove the front seat. Refer to [SE-85. "Removal and Installation"](#).
2. Release the J-hook retainers (A) from the seat frame assembly.
3. Remove the four screws and the lower rear cover (1) from the seat frame assembly.



FRONT SEAT

< UNIT DISASSEMBLY AND 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 remove the blower motor.



INSTALLATION

Installation is in the reverse order of removal.

NOTE:

Do not reuse tie straps, new tie straps must be used to install blower ducts to blower motor.

Blower Motor Filter

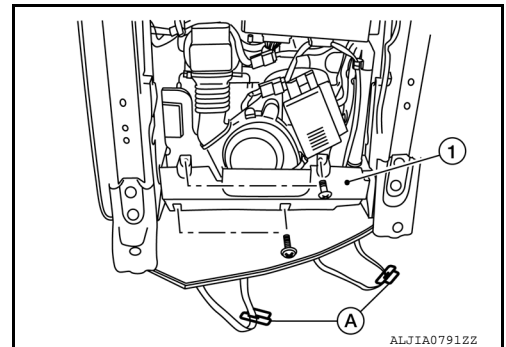
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REMOVAL

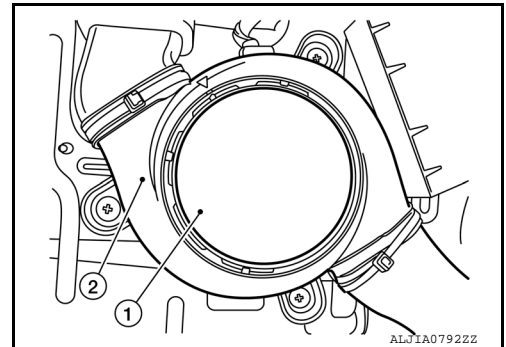
CAUTION:

When removing and installing the seat, use shop cloths to protect the vehicle from damage.

1. Remove the front seat. Refer to [SE-85, "Removal and Installation"](#).
2. Release the J-hook retainers (A) from the seat frame assembly.
3. Remove the four screws and the 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).



Seatback Thermal Electric Device

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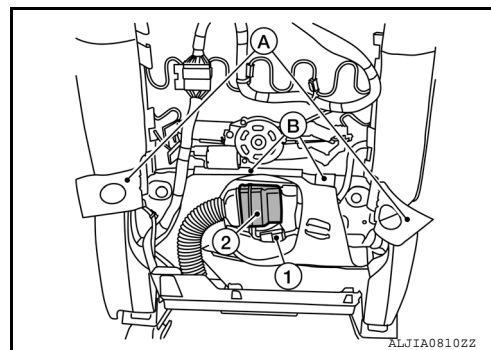
REMOVAL

1. Remove the front seat. Refer to [SE-85, "Removal and Installation"](#).
2. Remove the seatback board. Refer to [SE-86, "Seatback Board"](#).

FRONT SEAT

< UNIT DISASSEMBLY AND ASSEMBLY >

3. Release the seatback lower hook and loop straps (A).
4. Release the seatback J-clip retainers (B) that retain the seatback trim to the seatback frame.
5. Disconnect the harness connector (1) from the seatback thermal electric device (2).
6. Remove the tie straps and seatback thermal electric device (2) from the upper blower duct and seatback frame.



INSTALLATION

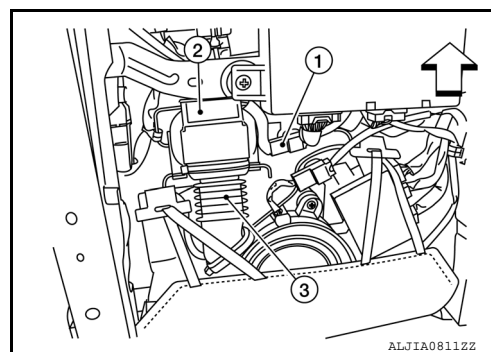
Installation is in the reverse order of removal.

Seat Cushion Thermal Electric Device

INFOID:000000008954080

REMOVAL

1. Remove the front seat. Refer to [SE-85, "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.
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.

SECOND ROW SEATS

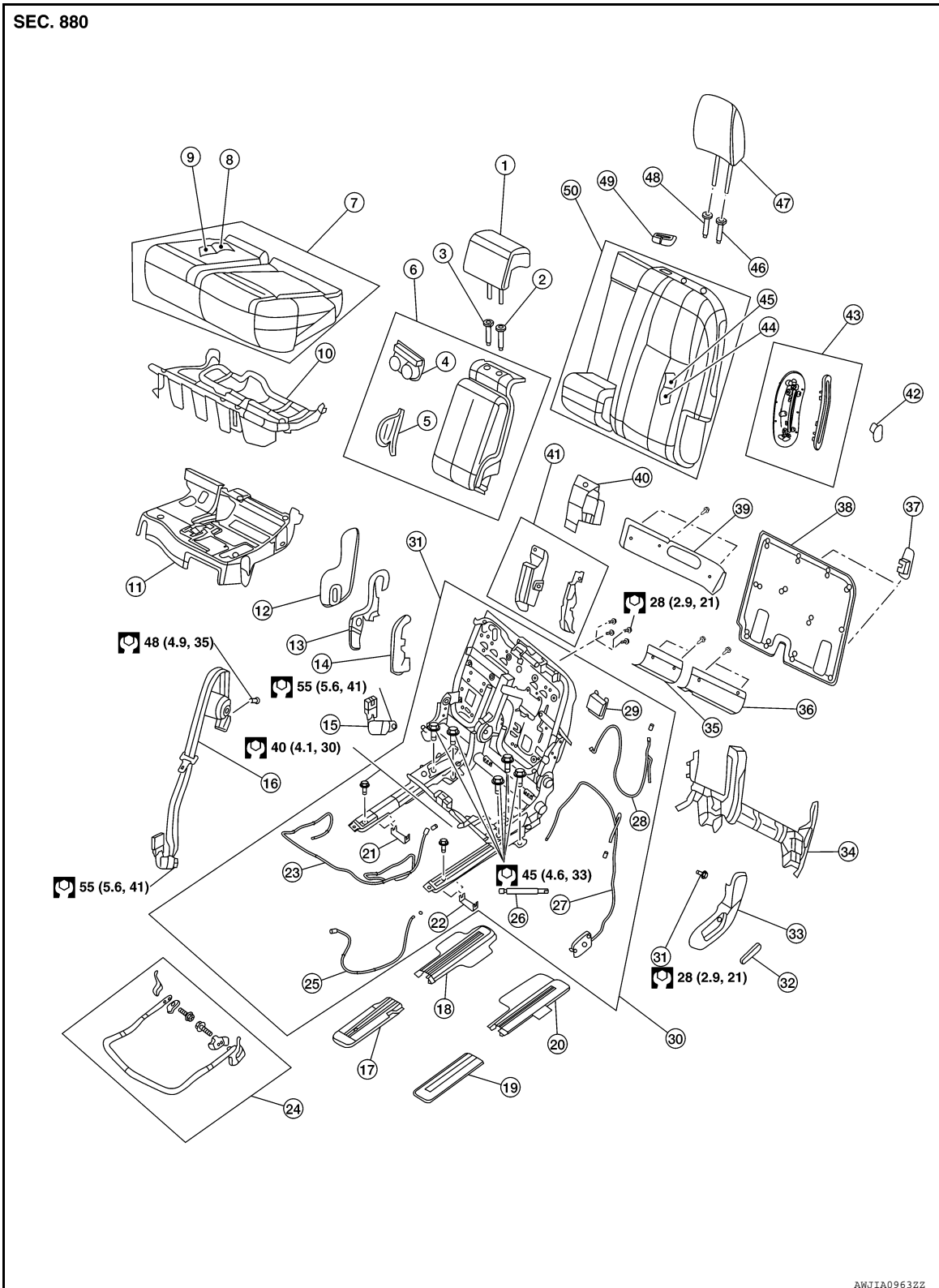
< UNIT DISASSEMBLY AND ASSEMBLY >

SECOND ROW SEATS

Exploded View

INFOID:000000009014379

LH BENCH SEAT



SECOND ROW SEATS

< UNIT DISASSEMBLY AND ASSEMBLY >

1. Headrest (RH)	2. Headrest holder (free) (RH)	3. Headrest holder (locked) (RH)	A
4. Cup holder	5. Armrest hinge finisher	6. Armrest assembly	
7. Seat cushion assembly	8. Seat cushion trim	9. Seat cushion pad	
10. Seat cushion frame	11. Seat cushion latch finisher	12. Outer finisher (RH)	B
13. Inner finisher (RH)	14. Center recline finisher	15. Seat belt buckle (RH)	
16. Seat belt retractor (RH)	17. Front slide cover (RH)	18. Rear slide cover (RH)	
19. Front slide cover (LH)	20. Rear slide cover (LH)	21. Seat slide clip (RH)	C
22. Seat slide clip (LH)	23. Seat slide release cable	24. Seat slide control lever assembly	
25. Seat cushion release cable	26. Support strut	27. Recline release cable assembly	
28. EZ entry cable	29. Dampener	30. Seat frame assembly	D
31. Seat cushion pivot bolt	32. Recline lever	33. Seat cushion outer finisher (LH)	
34. Rear finisher	35. Trim stiffener (RH)	36. Trim stiffener (LH)	
37. Tether anchor cover	38. Seatback board	39. EPP upper panel	E
40. Seat belt retractor finisher (RH)	41. Support finisher (RH)	42. EZ entry lever	
43. EZ entry finisher	44. Seatback pad	45. Seatback trim	
46. Headrest holder (locked) (LH)	47. Headrest (LH)	48. Headrest holder (free) (LH)	F
49. Seat belt retractor finisher	50. Seatback assembly		

RH SEAT

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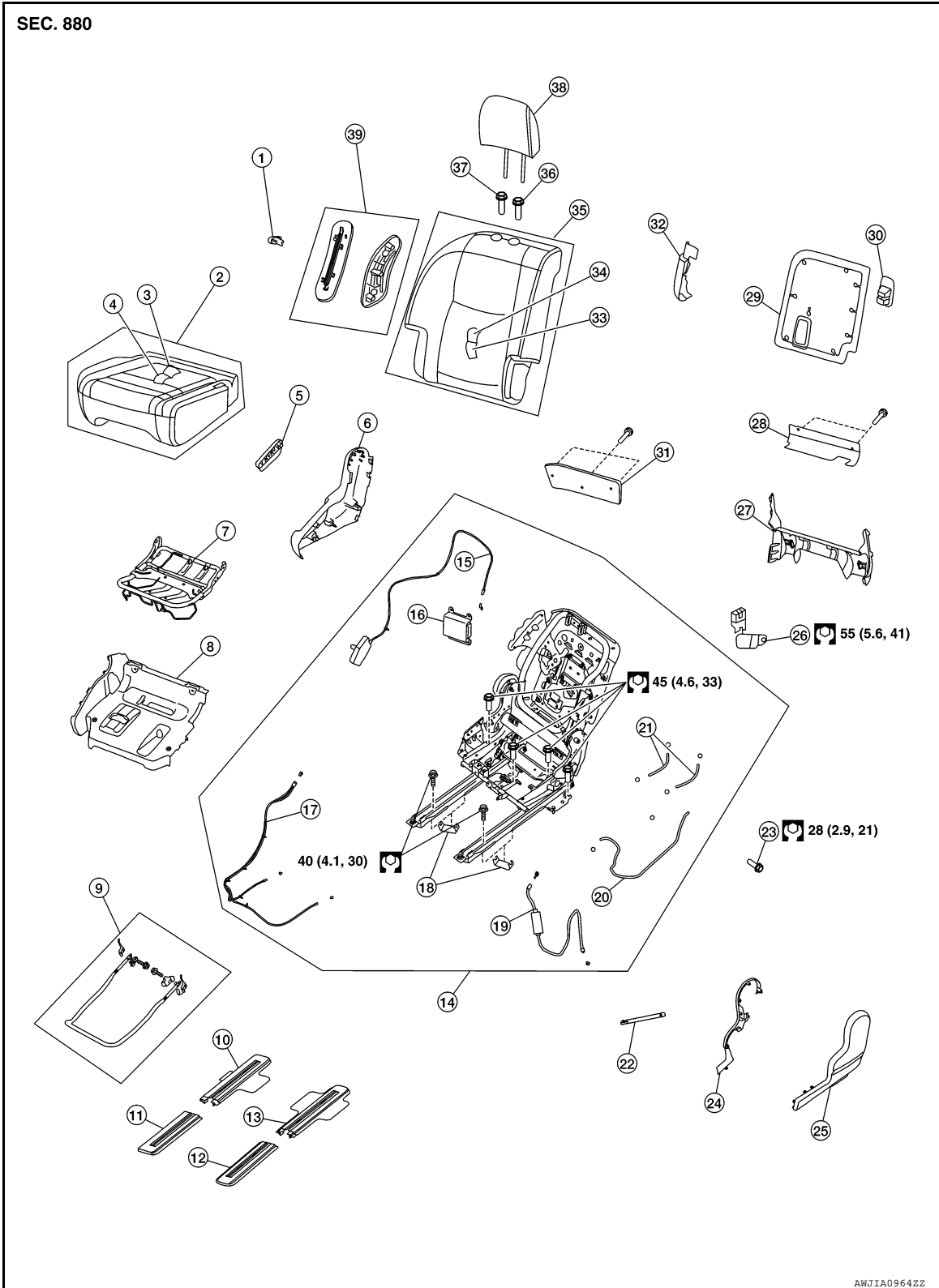
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SECOND ROW SEATS

< UNIT DISASSEMBLY AND ASSEMBLY >



- | | | |
|---------------------------|--------------------------------|--------------------------------------|
| 1. EZ entry lever | 2. Seat cushion assembly | 3. Seat cushion trim |
| 4. Seat cushion pad | 5. Recline lever | 6. Seat cushion outer finisher (RH) |
| 7. Seat cushion frame | 8. Seat cushion latch finisher | 9. Seat slide control lever assembly |
| 10. Rear slide cover (RH) | 11. Front slide cover (RH) | 12. Front slide cover (LH) |
| 13. Rear slide cover (LH) | 14. Seat frame assembly | 15. Recline release cable assembly |
| 16. Dampener | 17. Track tilt release cable | 18. Seat slide clip |

SECOND ROW SEATS

< UNIT DISASSEMBLY AND ASSEMBLY >

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|----------------------------|--------------------------------|------------------------------|
| 19. EZ entry cable | 20. Seat cushion release cable | 21. Seat slide release cable |
| 22. Support strut | 23. Seat cushion pivot bolt | 24. Inner finisher (LH) |
| 25. Outer finisher (LH) | 26. Seat belt buckle | 27. Rear finisher |
| 28. Trim stiffener | 29. Seatback board | 30. Tether anchor cover |
| 31. EPP upper panel | 32. Support finisher | 33. Seatback trim |
| 34. Seatback pad | 35. Seatback assembly | 36. Headrest holder (locked) |
| 37. Headrest holder (free) | 38. Headrest | 39. EZ entry finisher |

Disassembly and Assembly

INFOID:000000008506762

LH BENCH SEAT CUSHION

Disassembly

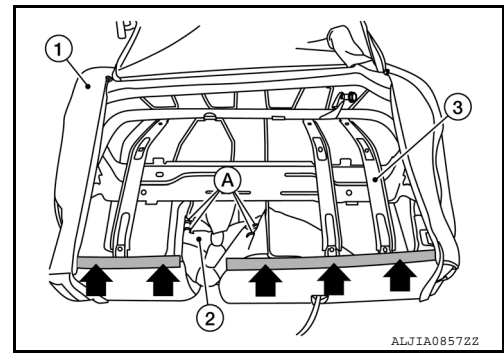
- Remove the LH bench seat cushion. Refer to [SE-94, "Seat Cushion"](#).
- Remove support strut from the LH bench seat cushion.
- Remove the seat cushion assembly from the seat cushion frame.

- Unzip the back trim cover and release the J-clip retainers (◀).
- 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.

- Remove the seat cushion pad and seat cushion trim (1) as an assembly from the seat cushion frame (3).

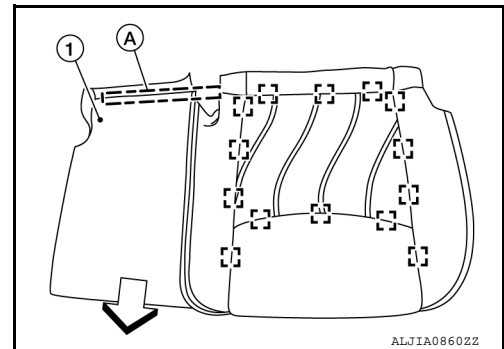


- Separate the seat cushion trim from the seat cushion pad.
 - Pull seat cushion trim (1) up at rear to release hook fastener (A).
◀: Front
 - Remove hog rings and separate the seat cushion trim (1) from the seat cushion pad.

◻: Hog ring

NOTE:

- Remove all pieces of hog rings and discard them.



- Route the seat cushion heater unit harness (if equipped) through the opening in the seat cushion trim.

Assembly

Assembly is in the reverse order of disassembly.

CAUTION:

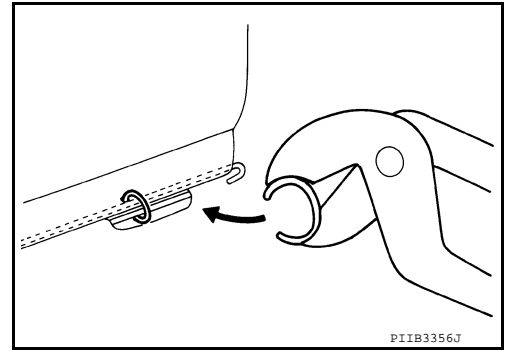
- Make sure hog rings are correctly fastened around both the seat cushion trim and seat cushion pad wires.
- Replace any deformed or damaged hog rings.
- Make sure any old hog ring pieces are removed from seat.

NOTE:

SECOND ROW SEATS

< UNIT DISASSEMBLY AND ASSEMBLY >

- Install new hog rings on the seat cushion trim in original positions.
- Use only one hog ring in each designated location.
- Be sure hook fastener is pressed into place after seat cushion trim is assembled.



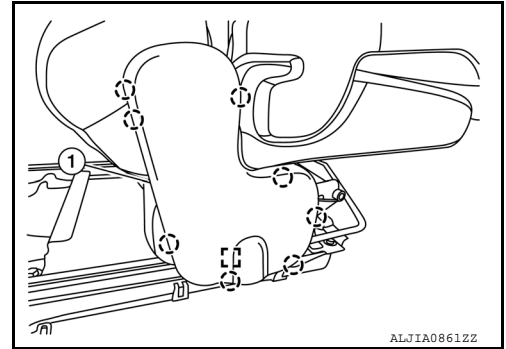
LH BENCH SEATBACK CUSHION

Disassembly

1. Remove the LH bench seat. Refer to [SE-91, "Removal and Installation"](#).
2. Remove the LH bench seat cushion. Refer to [SE-94, "Seat Cushion"](#).
3. Remove the armrest assembly. Refer to [SE-93, "Armrest Assembly"](#).
4. Remove the outer finisher (RH) (1).

○: Pawl

□: Metal clip



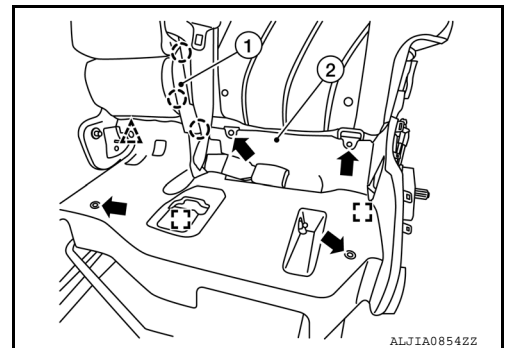
5. Release the seatback heater unit harness (if equipped) from all attachments.

NOTE:

Note harness attachments and routing locations for proper installation.

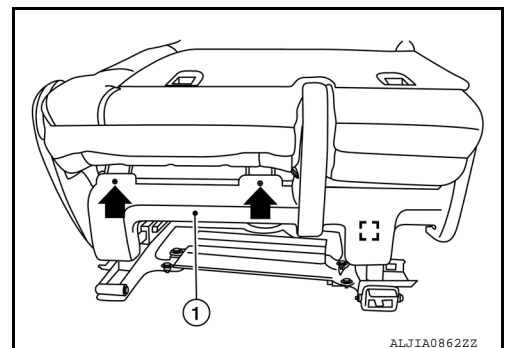
6. Release center recline finisher (1) pawls.
7. Release clip.
8. Remove screws (←) and lift seat cushion latch finisher (2) to remove.

□: Metal clip



9. Remove screws (←) and pull rear finisher to remove.

□: Metal clip

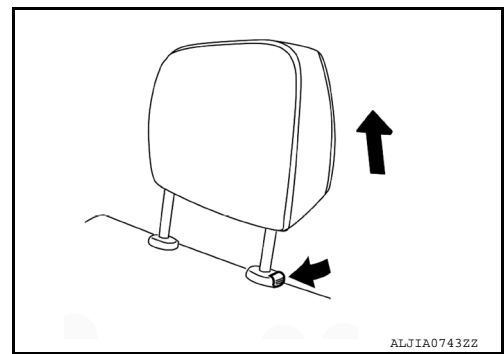


10. Remove LH bench seat belt retractor (RH) bottom anchor bolt.

SECOND ROW SEATS

< UNIT DISASSEMBLY AND ASSEMBLY >

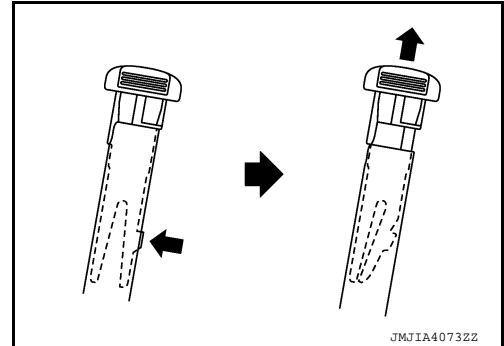
11. Press the headrest holder lock button in, then remove the headrest LH.



12. Release the headrest holder locks as shown and remove the headrest holders.

CAUTION:

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



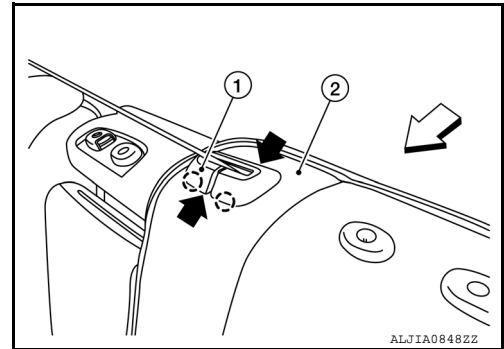
13. Remove the seat belt retractor finisher (1) from seatback assembly (2).

- a. Release pawls and lift front of seat belt retractor finisher (1).

○: Pawl

- b. Push on rear of seat belt retractor finisher (1) to remove.

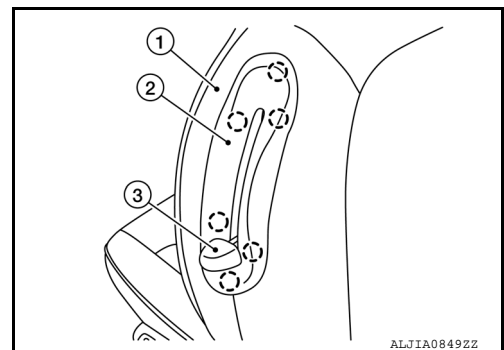
⇐: Front



14. Remove EZ entry lever (3) by pulling firmly.

15. Remove EZ entry finisher (2) from seatback assembly (1).

○: Pawl



16. Remove the seatback cushion assembly (2) from the seat frame assembly (1).

- a. Release the J-clip retainer (⇐) at the rear lower edge of seatback.

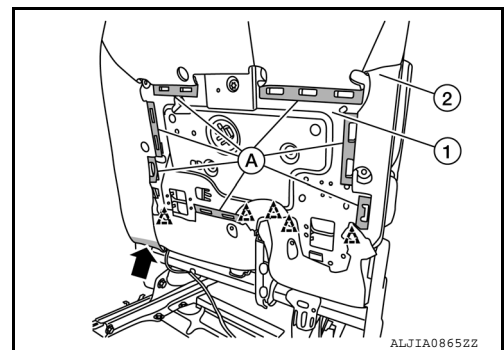
- b. Remove clips that retain seatback trim (2) in place.

△: Clip

- c. Release retainer strips (A) from the seat frame assembly (1).

- d. Release clips that retain trim behind EZ entry finisher.

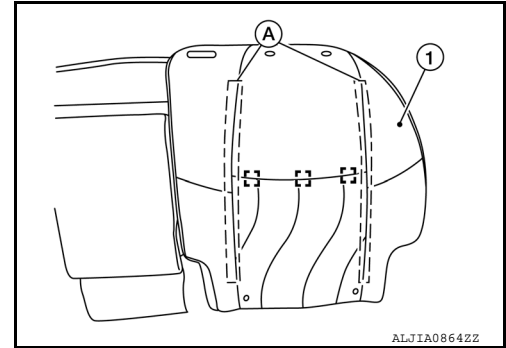
- e. Remove the seatback pad and seatback trim (2) as an assembly from the seat frame assembly (1).



SECOND ROW SEATS

< UNIT DISASSEMBLY AND ASSEMBLY >

- f. Route the seat belt through the opening in the seatback trim (2).
17. Separate the seatback trim from the seatback pad.
 - a. Pull seatback trim (1) upward in front to release hook fasteners (A).
 - b. Remove hog rings and separate the seatback trim (1) from the seatback pad.
□: Hog ring
NOTE:
Remove all pieces of hog rings and discard them.
 - c. Remove the seatback heater unit (if equipped) harness through the opening in the seatback trim



Assembly

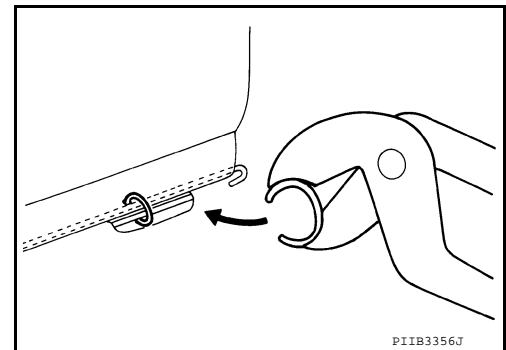
Assembly is in the reverse order of disassembly.

CAUTION:

- Make sure hog rings are correctly fastened around both the seatback trim and seatback pad wires.
- Replace any deformed or damaged hog rings.
- Make sure any old hog ring pieces are removed from seat.

NOTE:

- Install new hog rings on the seatback trim in original positions.
- Use only one hog ring in each designated location.
- Be sure hook fastener is pressed into place after seatback trim is assembled.



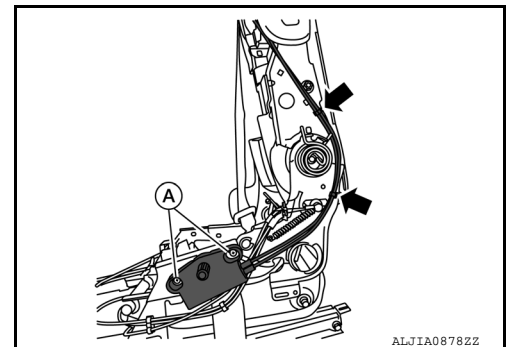
LH BENCH SEAT RECLINE RELEASE CABLE ASSEMBLY

Disassembly

1. Remove the LH bench seatback cushion. Refer to [SE-121, "Disassembly and Assembly"](#).
2. Remove the recline release cable assembly screws (A).
3. Release (←) the recline release cable assembly from the seat frame assembly.

CAUTION:

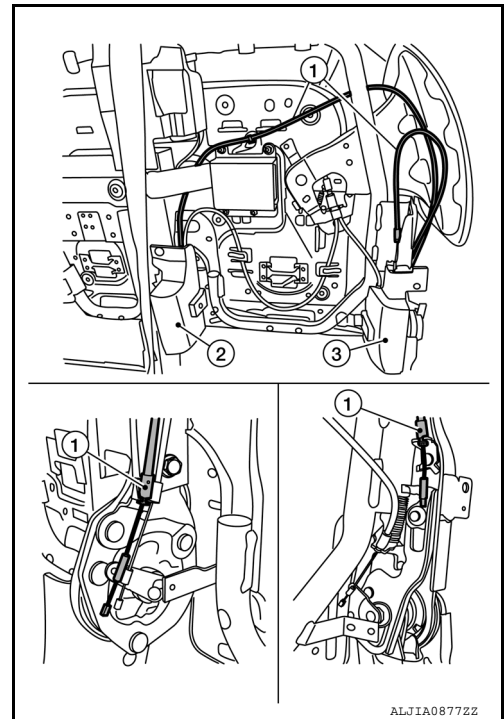
Note the cable routing for proper installation.



SECOND ROW SEATS

< UNIT DISASSEMBLY AND ASSEMBLY >

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 LH side.



Assembly

Assembly is in the reverse order of removal.

CAUTION:

Route cables correctly for proper function.

LH BENCH SEAT EZ ENTRY CABLE

Disassembly

1. Remove LH bench seatback cushion. Refer to [SE-121, "Disassembly and Assembly"](#).

NOTE:

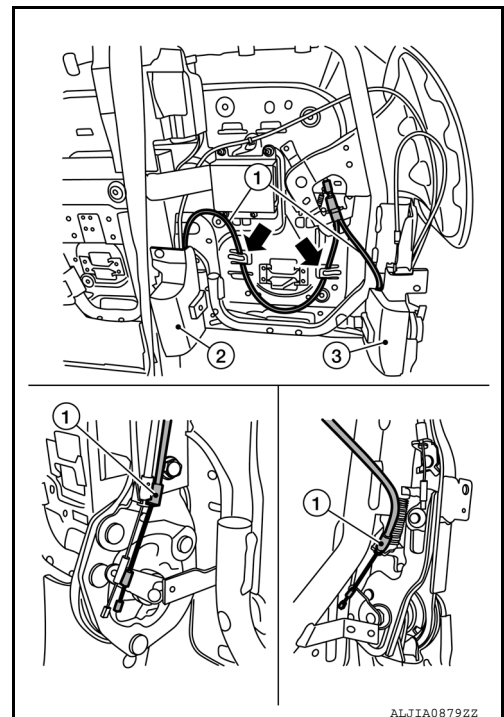
It is not necessary to separate the seatback trim from the seatback pad.

2. Remove the support finishers (2) and (3).
3. Remove EZ entry cable (1) from routing guides (←).

CAUTION:

Note the cable routing for proper installation

4. Remove the EZ entry cable (1) from the RH side.
5. Remove the EZ entry cable (1) from the LH side.



Assembly

Assembly is in the reverse order of removal.

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SE

SECOND ROW SEATS

< UNIT DISASSEMBLY AND ASSEMBLY >

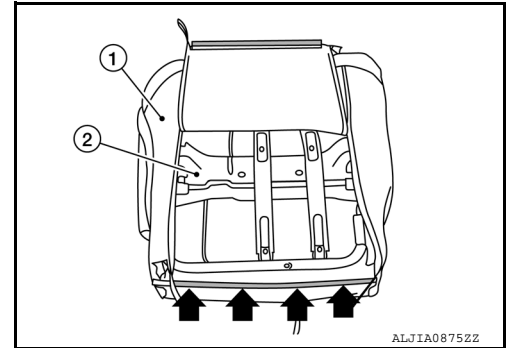
CAUTION:

Route cables correctly for proper function.

RH SEAT CUSHION

Disassembly

1. Remove RH seat cushion. Refer to [SE-94, "Seat Cushion"](#).
2. Remove support strut from RH seat cushion.
3. Remove the seat cushion assembly (1) from the seat cushion frame (2).
 - a. Unzip the back trim cover and release the J-clip retainer (←).
 - b. Remove the seat cushion pad and seat cushion trim (1) as an assembly from the seat cushion frame (2).



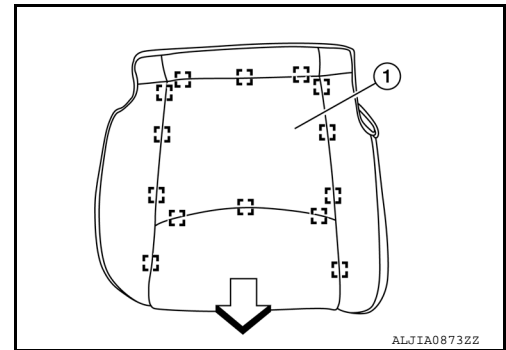
4. Separate the seat cushion trim from the seat cushion pad.
 - a. Remove hog rings and separate the seat cushion trim (1) from the seat cushion pad.

□: Hog ring

←: Front

NOTE:

Remove all pieces of hog rings and discard them.



- b. Route the seat cushion heater unit (if equipped) harness through the opening in the seat cushion trim.

Assembly

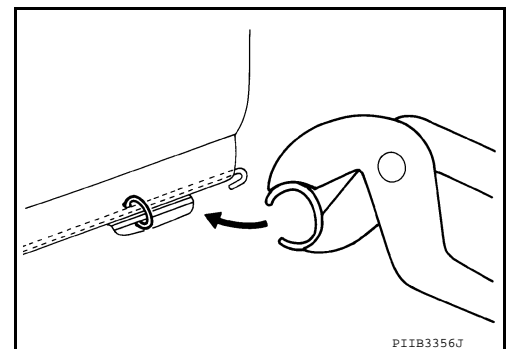
Assembly is in the reverse order of disassembly.

CAUTION:

- Make sure hog rings are correctly fastened around both the seat cushion trim and seat pad wires.
- Replace any deformed or damaged hog rings.
- Make sure any old hog ring pieces are removed from seat.

NOTE:

- Install new hog rings on the seat cushion trim in original positions.
- Use only one hog ring in each designated location.
- Be sure hook fastener is pressed into place after seat cushion trim is assembled.



RH SEATBACK CUSHION

Disassembly

1. Remove RH bench seat. Refer to [SE-91, "Removal and Installation"](#).
2. Remove RH seat cushion. Refer to [SE-94, "Seat Cushion"](#).

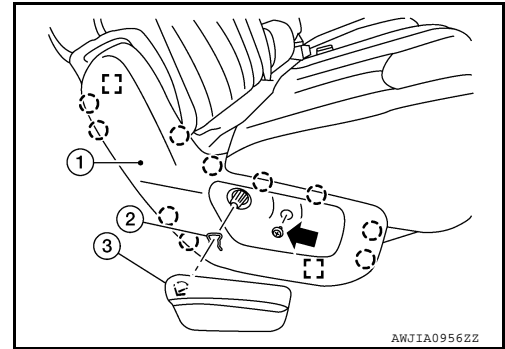
SECOND ROW SEATS

< UNIT DISASSEMBLY AND ASSEMBLY >

3. Remove recline lever (3).
 - a. Remove snap ring (2) upward using a suitable tool.
 - b. Remove recline lever (3).
4. Remove screw (←) and the seat cushion outer finisher (RH) (1).

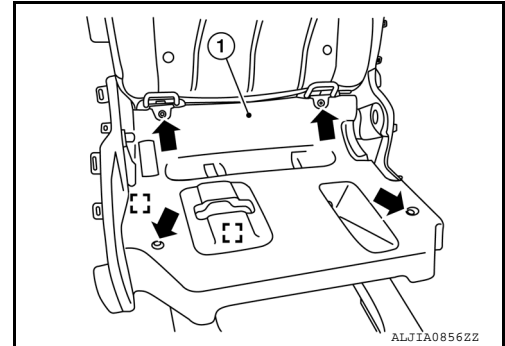
○: Pawl

□: Metal clip



5. Remove screws (←) and lift seat cushion latch finisher (1) to remove.

□: Metal clip

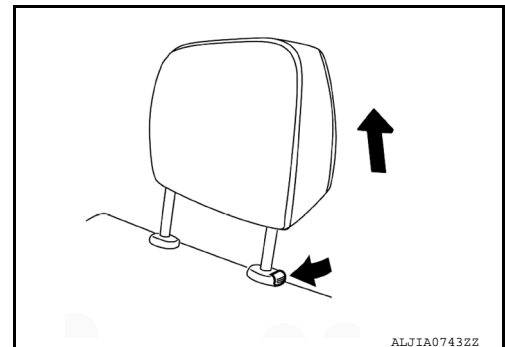


6. Remove the rear finisher.
7. Release the seatback heater unit (if equipped) harness from attachments.

NOTE:

Note harness attachments and routing location for proper installation.

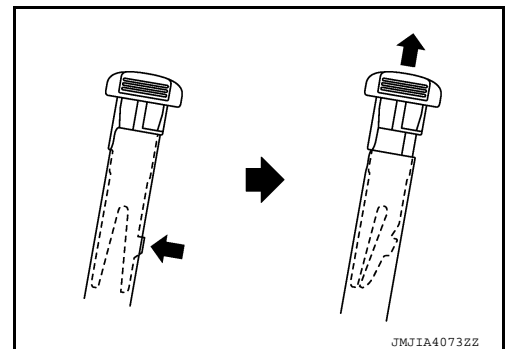
8. Press the headrest holder lock button in, then remove the headrest.



9. Release the headrest holder locks as shown and remove the headrest holders.

CAUTION:

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



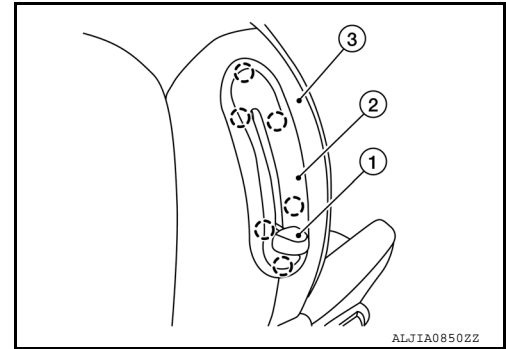
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SECOND ROW SEATS

< UNIT DISASSEMBLY AND ASSEMBLY >

10. Remove EZ entry lever (1) by pulling firmly.
11. Remove EZ entry finisher (2) from the seatback assembly (3).

○: Pawl

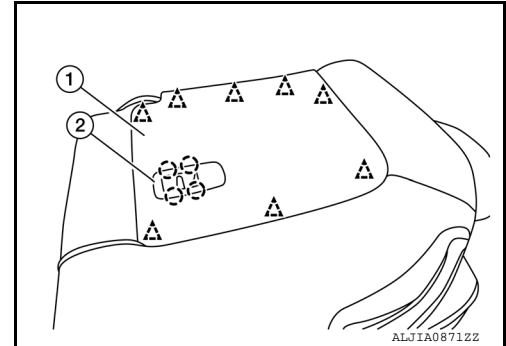


12. Remove the tether anchor finisher (2).

○: Pawl

13. Remove the seatback board (1).

△: Clip



14. Remove the seatback cushion assembly (1) from the seat frame assembly (2).

- a. Release the J-clip retainer (←) at the rear lower edge of seatback.
- b. Remove clips that retain the seatback trim (1) in place.
- c. Remove hog rings that retain the seatback trim (1) in place.

△: Clip

□: Hog ring

NOTE:

Remove all pieces of hog rings and discard them.

- 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 (1) as an assembly from the seat frame assembly (2).

15. Separate the seatback trim from the seatback pad.

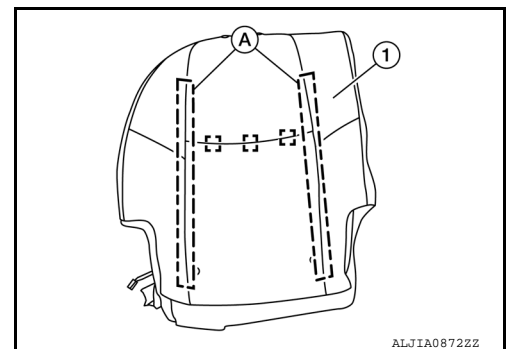
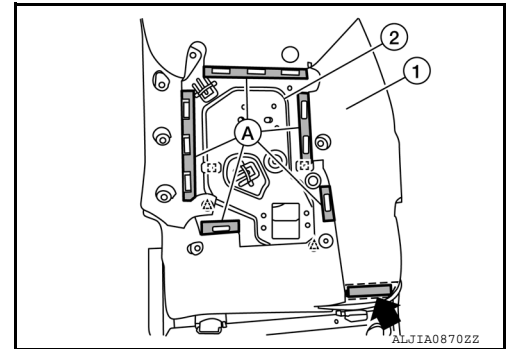
- a. Pull seatback trim (1) upward in front to release hook fasteners (A).
- b. Remove hog rings and separate the seatback trim (1) from the seatback pad.

□: Hog ring

NOTE:

Remove all pieces of hog rings and discard them.

- c. Thread the seatback heater unit harness through the opening in the seatback trim



Assembly

Assembly is in the reverse order of disassembly.

CAUTION:

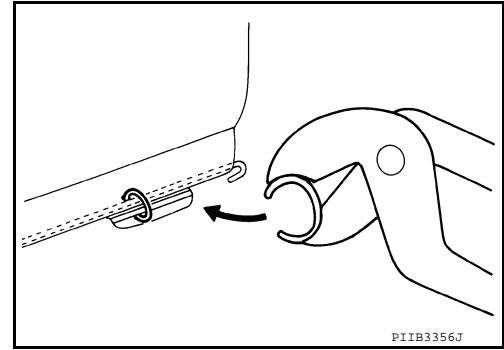
- Make sure hog rings are correctly fastened around both the seatback trim and seatback pad wires.
- Replace any deformed or damaged hog rings.
- Make sure any old hog ring pieces are removed from seat.

SECOND ROW SEATS

< UNIT DISASSEMBLY AND ASSEMBLY >

NOTE:

- Install new hog rings on the seatback trim in original positions.
- Use only one hog ring in each designated location.
- Be sure hook fastener is pressed into place after seatback trim is assembled.



RH SEAT RECLINE RELEASE CABLE ASSEMBLY

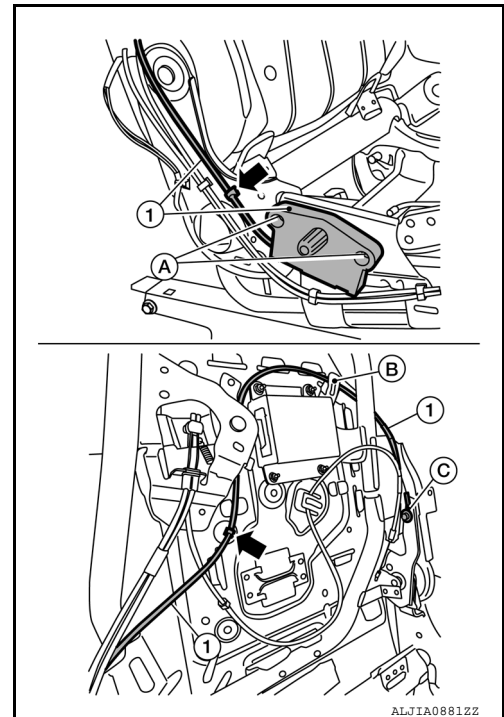
Disassembly

1. Remove the RH seatback cushion. Refer to [SE-121, "Disassembly and Assembly"](#).
2. Remove the support finisher.
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 proper 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).



Assembly

Assembly is in the reverse order of removal.

CAUTION:

Route cables correctly for proper function.

EZ ENTRY CABLE

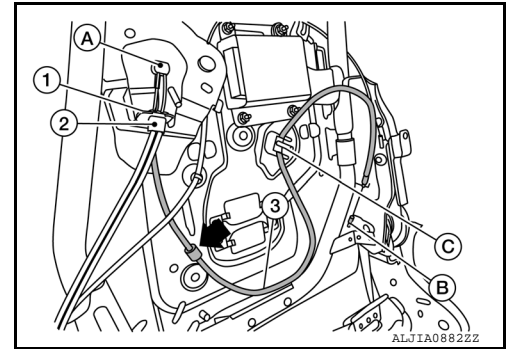
Disassembly

1. Remove the RH seatback cushion. Refer to [SE-121, "Disassembly and Assembly"](#).
NOTE:
It is not necessary to separate the seatback trim from the seatback pad.
2. Remove the support finisher.

SECOND ROW SEATS

< UNIT DISASSEMBLY AND ASSEMBLY >

3. Remove EZ entry cable (3) from the routing guide (C).
CAUTION:
Note the cable routing for proper 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 the EZ entry cable end (B).



Assembly

Assembly is in the reverse order of removal.

CAUTION:

Route cables correctly for proper function.

RH SEAT TRACK TILT RELEASE CABLE

Disassembly

1. Remove the RH seatback cushion. Refer to [SE-121, "Disassembly and Assembly"](#).

NOTE:

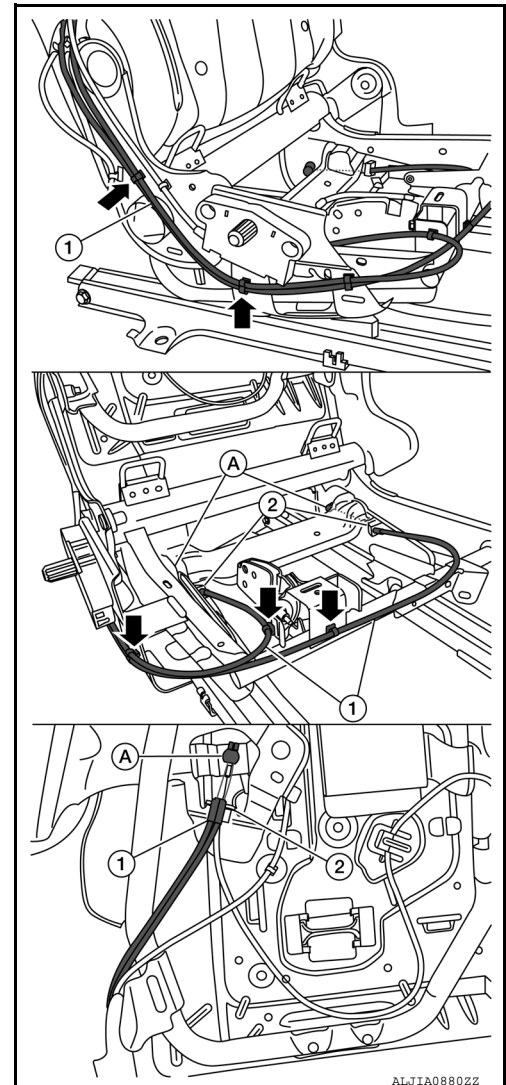
It is not necessary to separate the seatback trim from the seatback pad.

2. Release (←) the track tilt release cable (1) from the seat frame assembly.

CAUTION:

Note the cable routing for proper installation.

3. Remove the track tilt release cable (1) from the seat frame assembly (2) and release cable ends (A).



Assembly

SECOND ROW SEATS

< UNIT DISASSEMBLY AND ASSEMBLY >

Assembly is in the reverse order of removal.

CAUTION:

Route cables correctly for proper function.

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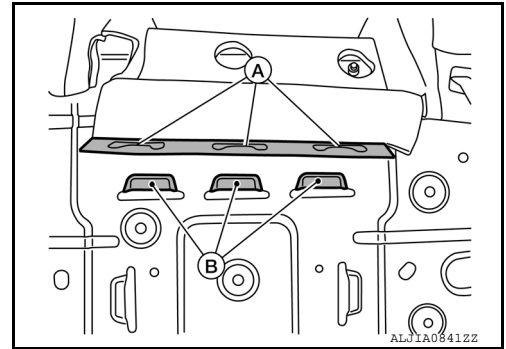
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THIRD ROW SEATS

< UNIT DISASSEMBLY AND ASSEMBLY >

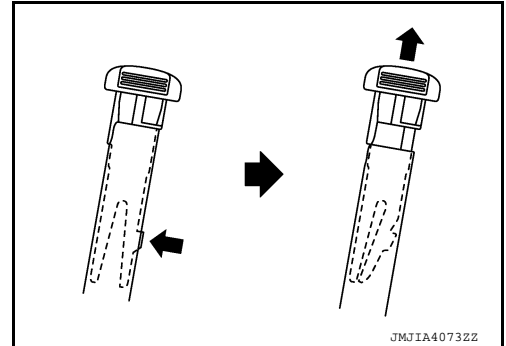
- a. Slide the clip tabs (A) out of the raised slots (B) on the top edge of the seatback frame sheet metal as shown.
- b. Repeat at the lower and RH/LH edges.



- c. Release the headrest holder locks as shown and remove the headrest holders.

CAUTION:

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



- d. Push the lower cross strap beneath seatback frame, then remove the seatback trim and seatback pad as an assembly.
7. Remove the screw and the pull strap from seatback frame.

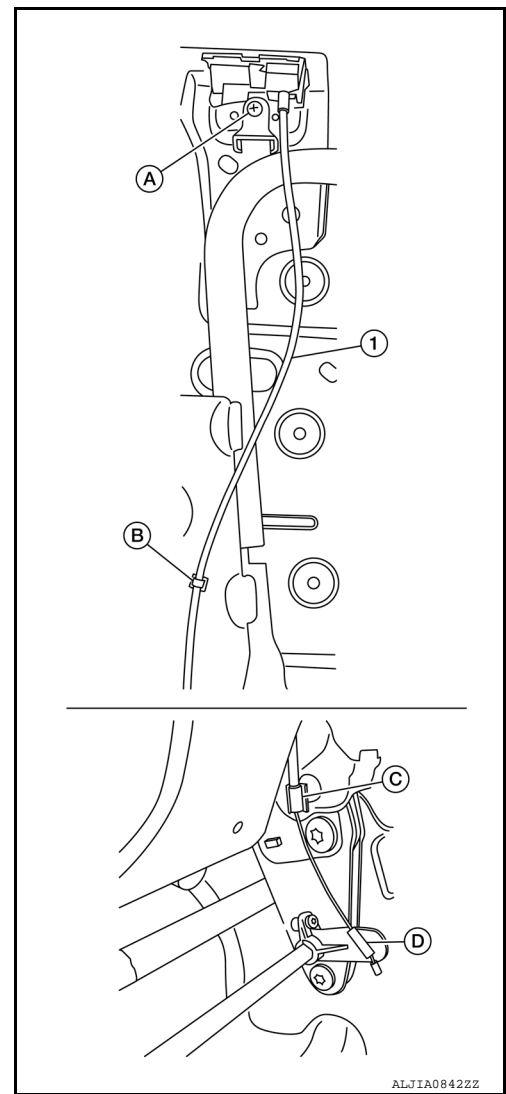
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THIRD ROW SEATS

< UNIT DISASSEMBLY AND ASSEMBLY >

8. Remove the seatback release lever and cable.
 - a. Remove the screw (A) and release the cable clip (B) from the seatback frame
 - b. Rotate the cable end collar (C) and the hook (D) to release from the cable brackets.
 - c. Remove the seatback release lever and cable as an assembly from the seatback frame.



9. Remove the hog rings and separate the seatback trim and seatback pad.

NOTE:

Remove all pieces of hog rings and discard them.

Assembly

Assembly is in the reverse order of disassembly.

CAUTION:

- Make sure hog rings are correctly fastened around both the seat trim and pad wires.
- Replace any deformed or damaged hog rings.
- Make sure any old hog ring pieces are removed from seat.

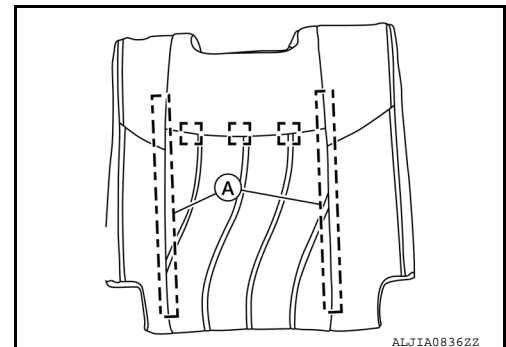
NOTE:

- Install new hog rings on the seatback trim in their original positions.

[]: Hog ring

Right side shown, left side similar.

- Use only one hog ring in each designated location.
- Be sure hook fastener (A) is pressed into place after seatback trim is assembled.



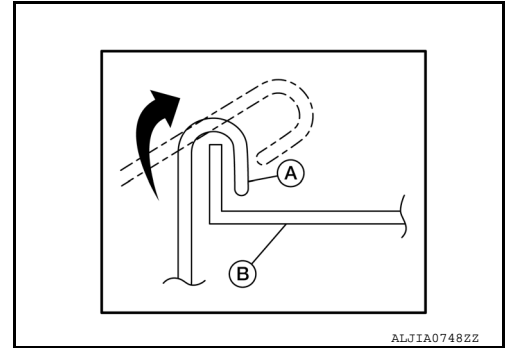
SEAT CUSHION

Disassembly

THIRD ROW SEATS

< UNIT DISASSEMBLY AND ASSEMBLY >

1. Remove third row seat. Refer to [SE-100, "Removal and Installation"](#).
2. Remove seat cushion trim and seat cushion pad.
- a. Release the J-clip retainers holding the seat cushion to the seat frame.



- b. Release the elastic band and route the seat belt buckles (LH/RH).
- c. Lift the seat cushion trim and seat cushion pad from the seat frame as an assembly.
3. Release the hook fasteners, then remove the hog rings to separate the seat cushion trim and seat cushion pad.
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.

CAUTION:

- Make sure hog rings are correctly fastened around both the seat trim and pad wires.
- Replace any deformed or damaged hog rings.
- Make sure any old hog ring pieces are removed from seat.

NOTE:

- Install new hog rings on the seat cushion trim in their original positions.
- ⇐: Front
□: Hog ring
- Use only one hog ring in each designated location.
 - Be sure hook fastener (A) is pressed into place after seatback trim is assembled.

