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PRECAUTION

PRECAUTIONS

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

INFOID:0000000012326471

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 three minutes before performing any service.**

Precaution for Work

INFOID:0000000011932926

- When removing or disassembling each component, be careful not to damage or deform it. If a component may be subject to interference, be sure to protect it with a shop cloth.
- When removing (disengaging) components with a screwdriver or similar tool, be sure to wrap the component with a shop cloth or vinyl tape to protect it.
- Protect the removed parts with a shop cloth and prevent them from being dropped.
- Replace a deformed or damaged clip.
- If a part is specified as a non-reusable part, always replace it with a new one.
- Be sure to tighten bolts and nuts securely to the specified torque.
- After installation is complete, be sure to check that each part works properly.
- Follow the steps below to clean components:

- Water soluble dirt:
- Dip a soft cloth into lukewarm water, wring the water out of the cloth and wipe the dirty area.
- Then rub with a soft, dry cloth.

- Oily dirt:
- Dip a soft cloth into lukewarm water with mild detergent (concentration: within 2 to 3%) and wipe the dirty area.
- Then dip a cloth into fresh water, wring the water out of the cloth and wipe the detergent off.
- Then rub with a soft, dry cloth.

- Do not use organic solvent such as thinner, benzene, alcohol or gasoline.
- For genuine leather seats, use a genuine leather seat cleaner.

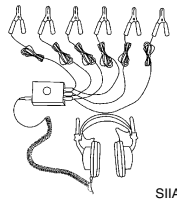
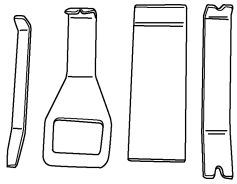
PREPARATION

PREPARATION

Special Service Tools

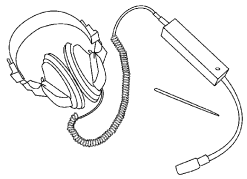
INFOID:0000000011932927

The actual shape of the tools may differ from those illustrated here.

Tool number (TechMate No.) Tool name	Description
— (J-39570) Chassis Ear  SIIA0993E	Locating the noise
— (J-46534) Trim Tool Set  AWJIA0483ZZ	Removing trim components
— (J-50397) NISSAN Squeak and Rattle Kit  ALJIA1232ZZ	Repairing the cause of noise

Commercial Service Tools

INFOID:0000000011932928

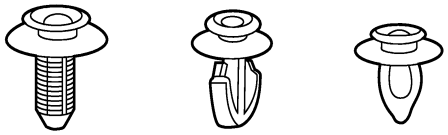
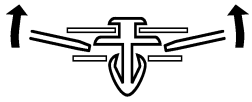
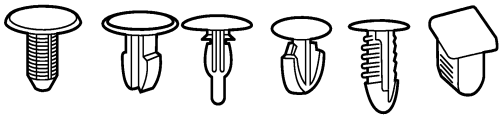
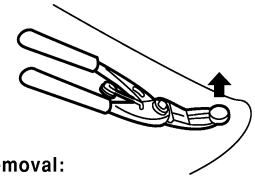
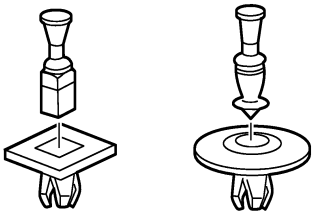
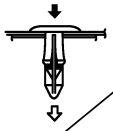
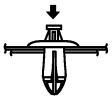
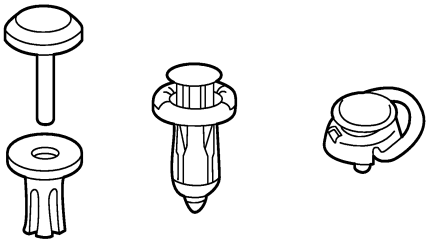
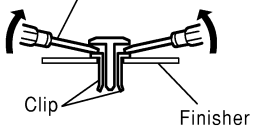
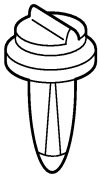
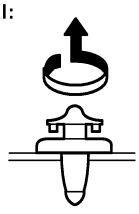
(TechMate No.) Tool name	Description
(J-39565) Engine Ear  SIIA0995E	Locating the noise

CLIP LIST

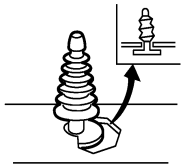
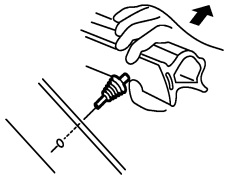
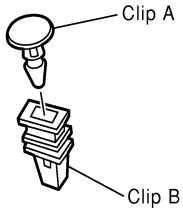
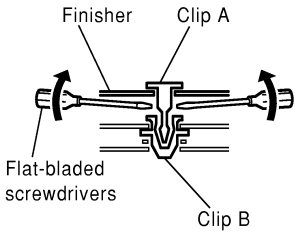
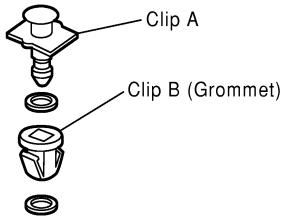
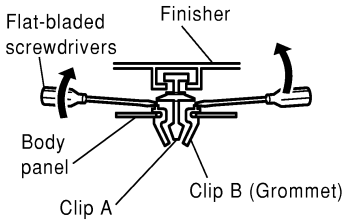
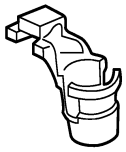
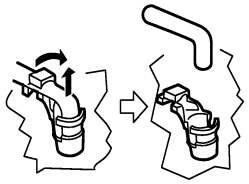
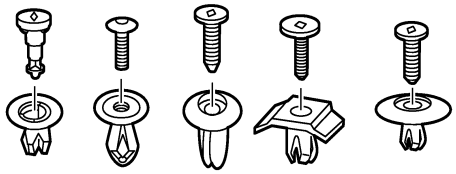
Descriptions for Clips

INFOID:0000000011932929

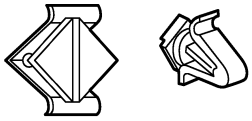
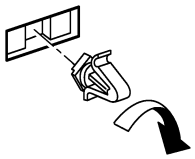
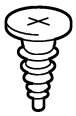
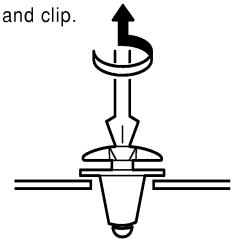
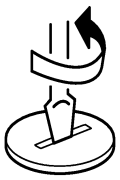
Replace any clips which are damaged during removal or installation.

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

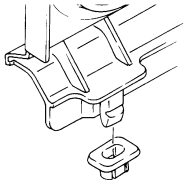
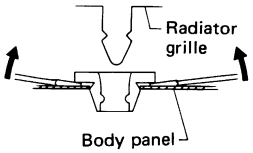
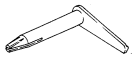
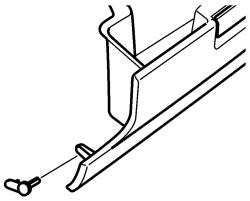
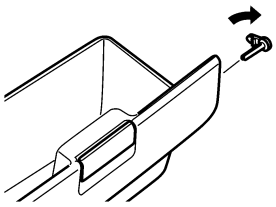
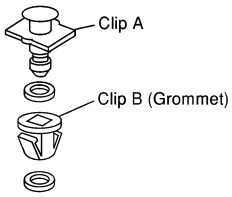
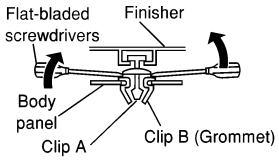
SIIA0315E

Symbol No.	Shapes	Removal & Installation
CE103 		**Removal:** 
CF110 		**Removal:** 
CF118 		**Removal:** 
CR103		**Removal:** Holder portion of clip must be spread out to remove rod. 
CS101 		**Removal:** 1. Screw out with a Phillips screwdriver. 2. Remove female portion with flat-bladed screwdriver. 

SIIA0316E

Symbol No.	Shapes	Removal & Installation	
CG101 		**Removal:**  Rotate 45° to remove  **Removal:**	**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 			

SIIA0317E

Symbol No.	Shapes	Removal & Installation
CG104 		**Removal:** **Remove by bending up with flat-bladed screwdrivers.** 
CE114 		
CF118 		**Removal:** 

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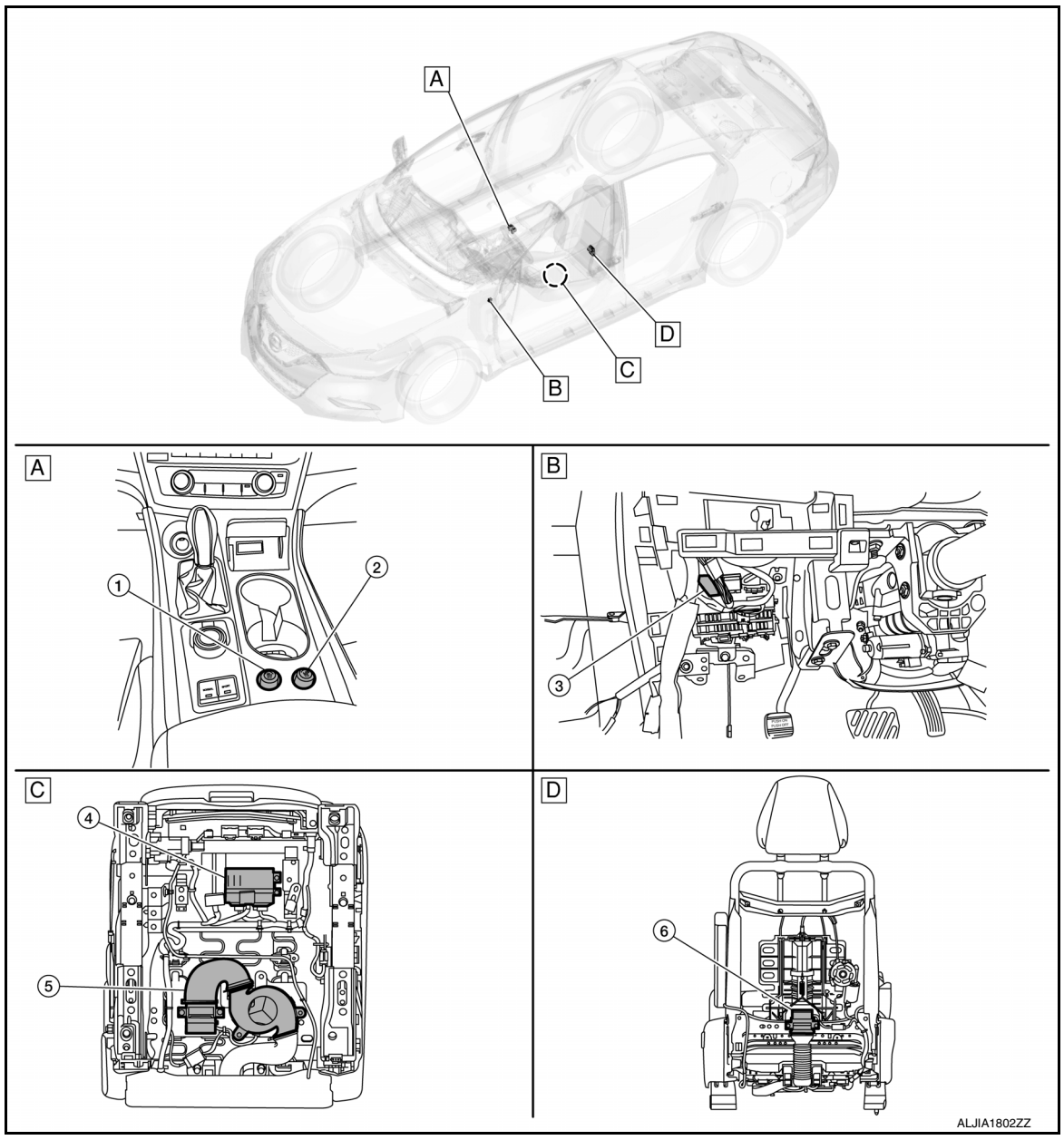
SYSTEM DESCRIPTION

COMPONENT PARTS

CLIMATE CONTROLLED SEAT SYSTEM

CLIMATE CONTROLLED SEAT SYSTEM : Component Parts Location

INFOID:0000000012372709



A. Front of center console

B. Instrument panel LH (view with instrument panel removed)

C. Driver seat bottom (view with seat removed)

D. Driver seat back (view with seat and seat back finisher removed)

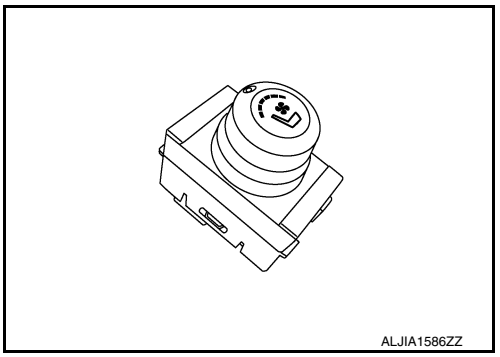
No.	Component	Function
1.	Climate controlled seat switch (driver seat)	Refer to SE-10, "CLIMATE CONTROLLED SEAT SYSTEM : Climate Controlled Seat Switch".
2.	Climate controlled seat switch (passenger seat)	Refer to SE-10, "CLIMATE CONTROLLED SEAT SYSTEM : Climate Controlled Seat Switch".

No.	Component	Function
3.	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
4.	Climate controlled seat control unit	Refer to SE-11, "CLIMATE CONTROLLED SEAT SYSTEM : Climate Controlled Seat Control Unit".
5.	Climate controlled seat blower motor assembly	Refer to SE-10, "CLIMATE CONTROLLED SEAT SYSTEM : Climate controlled seat blower motor assembly".
6.	Seatback thermal electric device	Refer to SE-10, "CLIMATE CONTROLLED SEAT SYSTEM : Seat Back Thermal Electric Device".

CLIMATE CONTROLLED SEAT SYSTEM : Climate Controlled Seat Switch

INFOID:0000000012372710

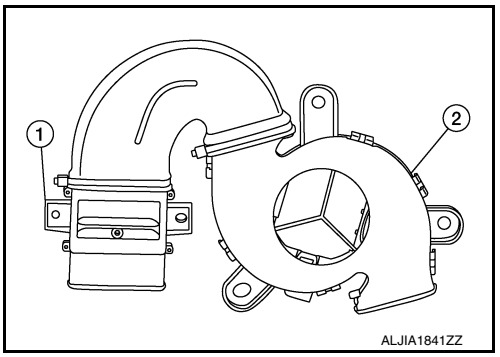
Installed in the center console and transmits signals to climate controlled seat control unit in accordance with the HEAT (heated airflow) or COOL (cooled airflow) switch operation and the temperature switch operation.



CLIMATE CONTROLLED SEAT SYSTEM : Climate controlled seat blower motor assembly

INFOID:0000000012372711

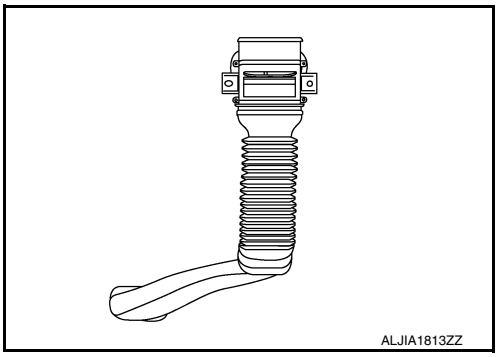
The thermal electric device (1) is installed in the seat cushion and heats or cools the airflow from the climate controlled seat blower motor (2) in accordance with the control from the climate controlled seat control unit.



CLIMATE CONTROLLED SEAT SYSTEM : Seat Back Thermal Electric Device

INFOID:0000000012372712

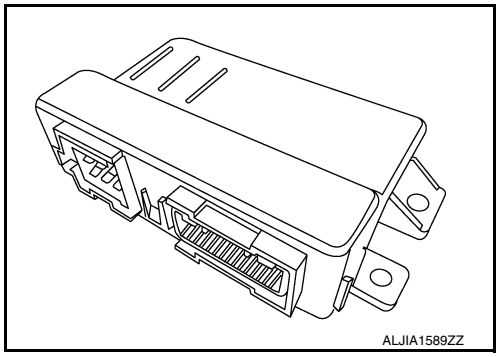
Installed in the seatback and heats or cools the airflow from the climate controlled seat blower motor in accordance with the control from the climate controlled seat control unit.



CLIMATE CONTROLLED SEAT SYSTEM : Climate Controlled Seat Control Unit

INFOID:0000000012372714

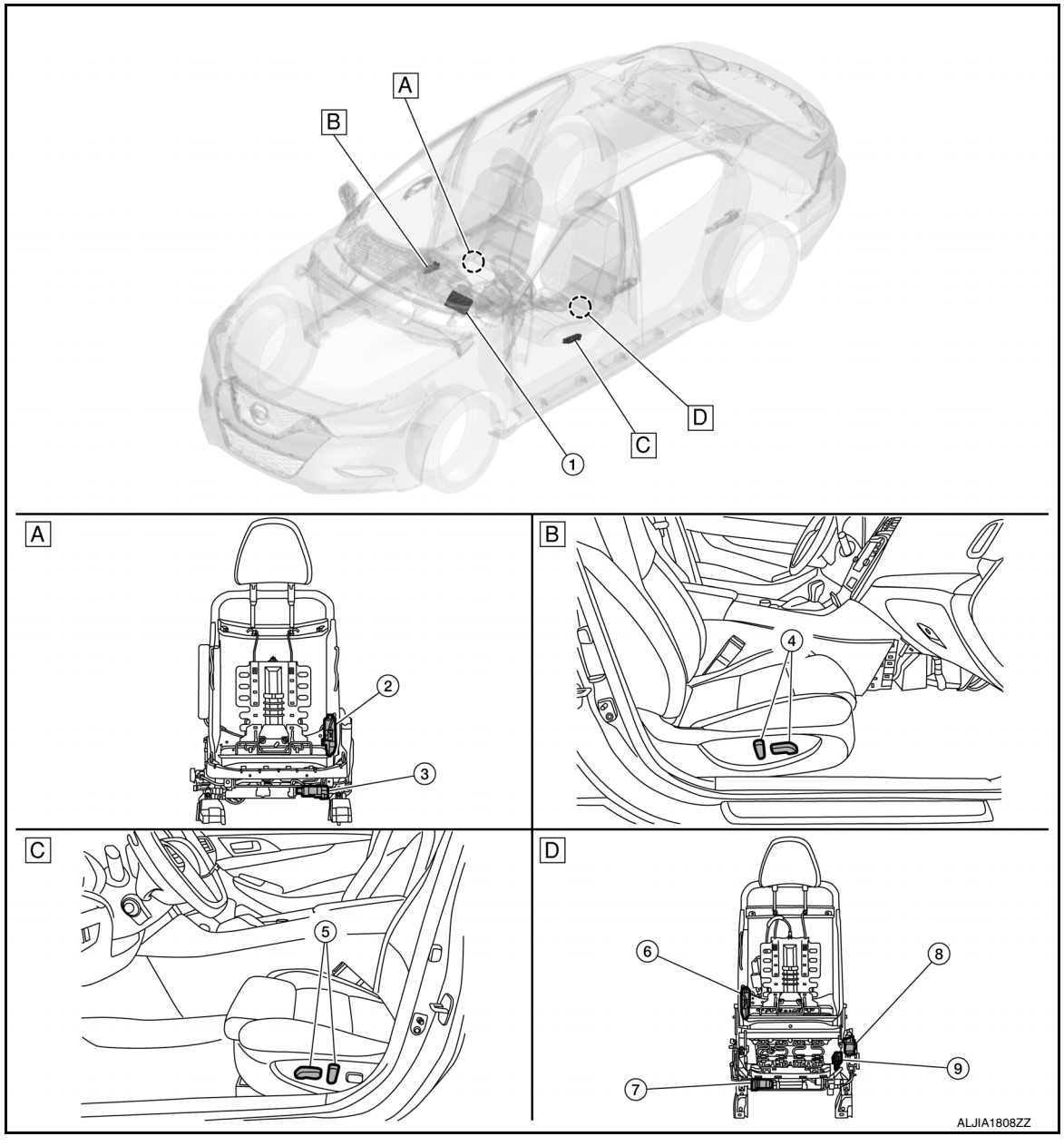
Installed in the seat cushion and controls the climate controlled seat blower motor, seatback thermal electric device, and seat cushion thermal electric device in accordance with the input signal.



POWER SEAT SYSTEM

POWER SEAT SYSTEM : Component Parts Location

INFOID:0000000012372715



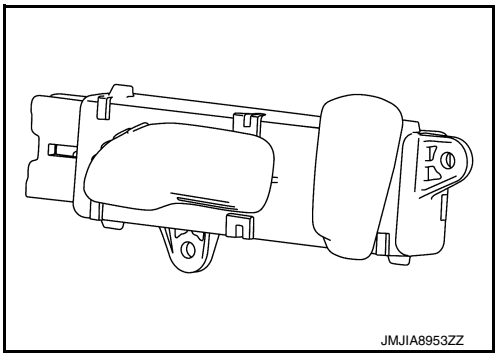
A. Passenger seat (view with seat and seat back finisher removed)
B. RH side of passenger seat
C. LH side of driver seat
D. Driver seat (view with seat and seat back finisher removed)

No.	Component	Function
1.	BCM	Supplies the power received from battery to power seat switch.
2.	Reclining motor (RH)	Refer to SE-13, "POWER SEAT SYSTEM : Reclining Motor".
3.	Sliding motor (RH)	Refer to SE-12, "POWER SEAT SYSTEM : Sliding Motor".
4.	Power seat switch (RH)	Refer to SE-12, "POWER SEAT SYSTEM : Power Seat Switch".
5.	Power seat switch (LH)	Refer to SE-12, "POWER SEAT SYSTEM : Power Seat Switch".
6.	Reclining motor (LH)	Refer to SE-13, "POWER SEAT SYSTEM : Reclining Motor".
7.	Sliding motor (LH)	Refer to SE-12, "POWER SEAT SYSTEM : Sliding Motor".
8	Lifting motor (rear) (LH)	Refer to SE-13, "POWER SEAT SYSTEM : Lifting Motor".
9.	Lifting motor (front) (LH)	Refer to SE-13, "POWER SEAT SYSTEM : Lifting Motor".

POWER SEAT SYSTEM : Power Seat Switch

INFOID:0000000012372716

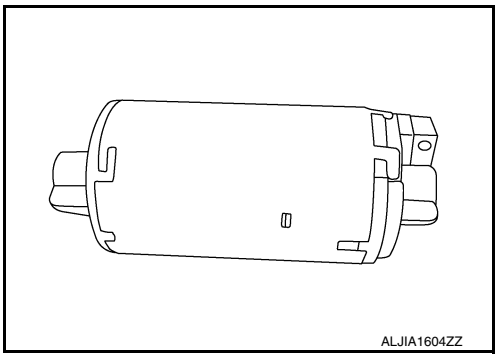
- Built-in reclining switch, sliding switch and lifting switch, controls the power supplied to each motor.
- Installed on seat cushion outer finisher.


JMJIA8953ZZ

POWER SEAT SYSTEM : Sliding Motor

INFOID:0000000012372717

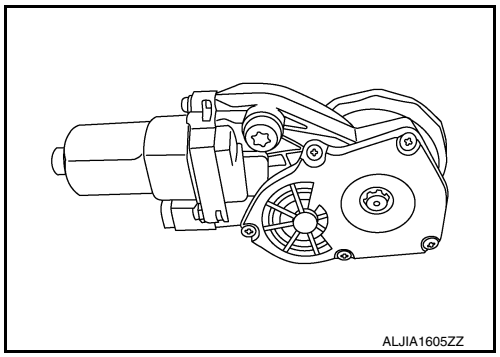
- Sliding motor is installed to the seat frame assembly.
- Slides the seat forward/backward by changing the rotation direction of sliding motor.


ALJIA1604ZZ

POWER SEAT SYSTEM : Lifting Motor

INFOID:0000000012372718

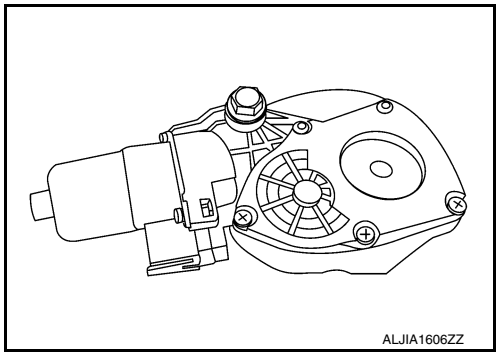
- Lifting motor is installed to seat frame assembly.
- Lifting motor is moved upward/downward by changing the rotation direction of lifting motor (front).



POWER SEAT SYSTEM : Reclining Motor

INFOID:0000000012372719

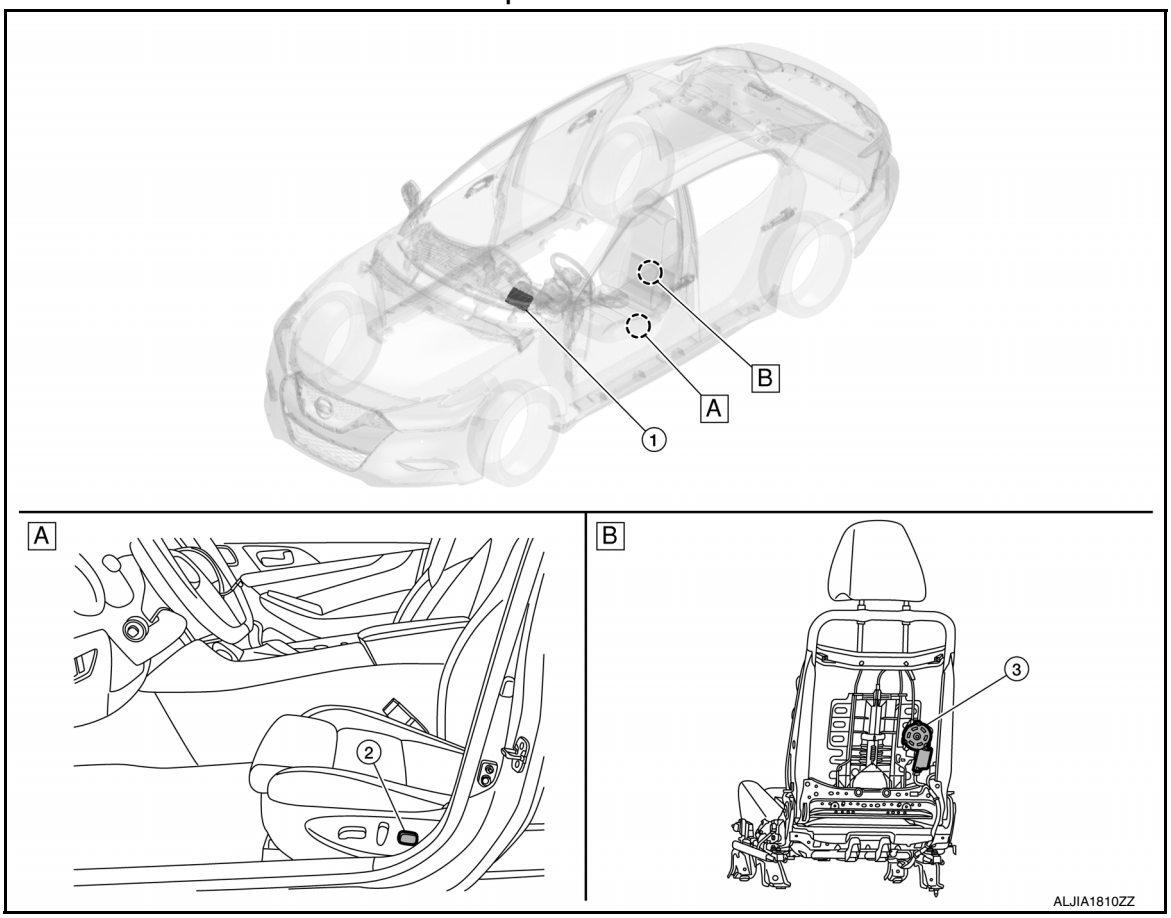
- Reclining motor is installed to seat frame assembly.
- Seatback is reclined forward/backward by changing the rotation direction of reclining motor.



LUMBAR SUPPORT SYSTEM

LUMBAR SUPPORT SYSTEM : Component Parts Location

INFOID:0000000012372720



A. LH side of driver seat

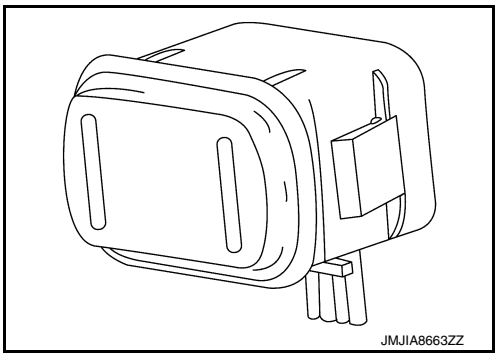
B. Back side of driver seat (view with seat and seat back finisher removed)

No.	Component	Function
1.	BCM	Supplies power from battery to lumbar support switch.
2.	Lumbar support switch	Refer to SE-14, "LUMBAR SUPPORT SYSTEM : Lumbar Support Switch".
3.	Lumbar support motor	Refer to SE-14, "LUMBAR SUPPORT SYSTEM : Lumbar Support Motor".

LUMBAR SUPPORT SYSTEM : Lumbar Support Switch

INFOID:0000000012372721

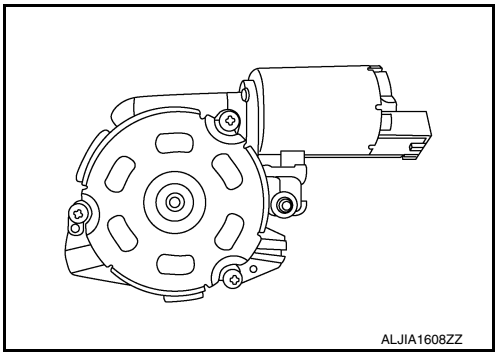
- Controls the power supplied to lumbar support motor.
- Installed on seat cushion outer finisher (driver side).



LUMBAR SUPPORT SYSTEM : Lumbar Support Motor

INFOID:0000000012372722

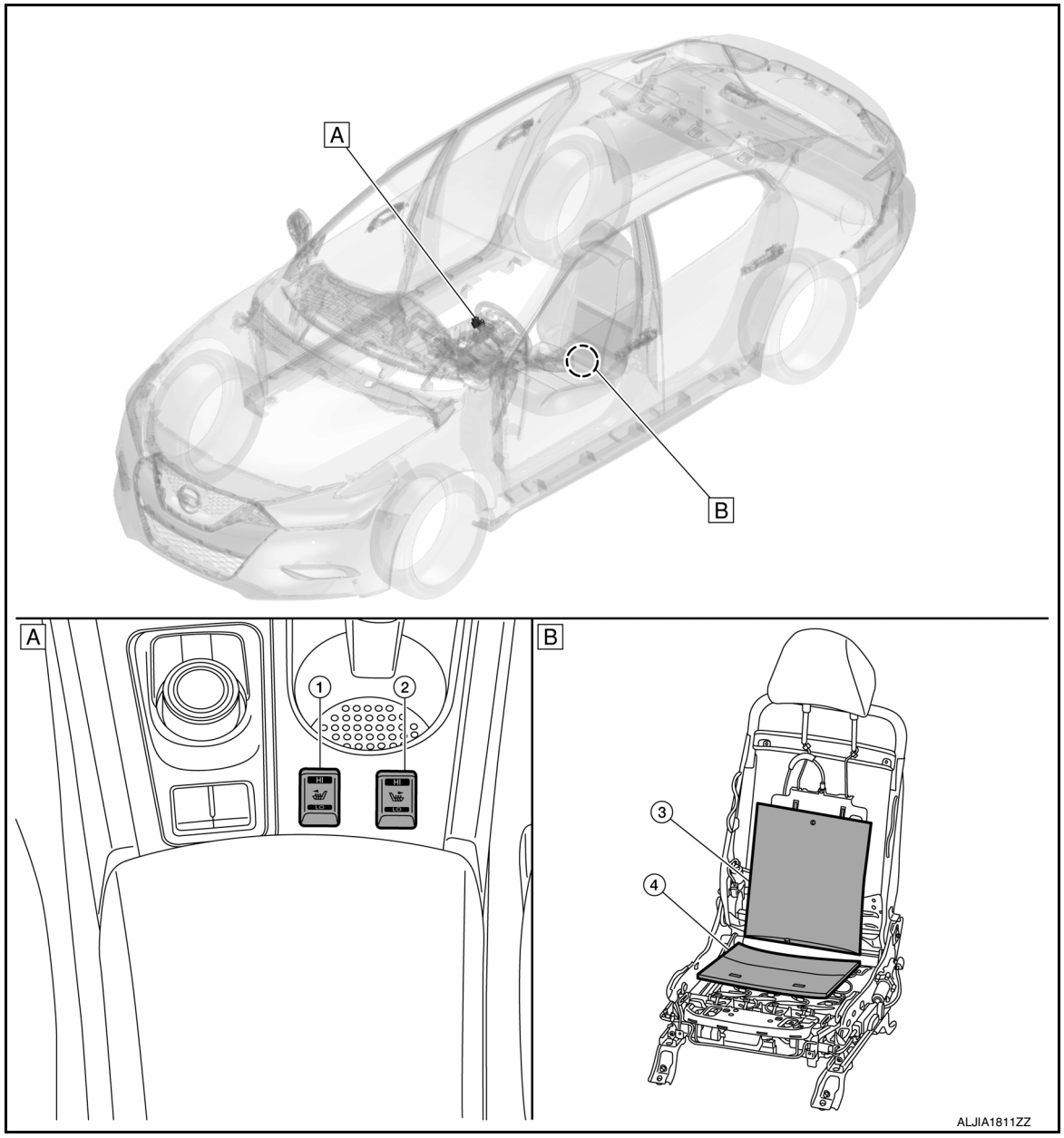
With power supplied to lumbar support switch, the lumbar support motor operates the forward and backward movement of seatback support.



HEATED SEAT SYSTEM

HEATED SEAT SYSTEM : Component Parts Location

INFOID:0000000012372723



A. Front of center console

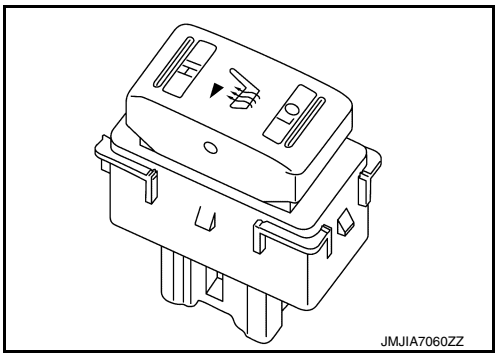
B. Front seat (view with seat trim and cushion removed)

No.	Component	Function
1.	Front heated seat switch LH	Refer to SE-16, "HEATED SEAT SYSTEM : Front Heated Seat Switch".
2.	Front heated seat switch RH	
3.	Seat heater (back)	Refer to SE-16, "HEATED SEAT SYSTEM : Front Seat Heater".
4.	Seat heater (cushion)	

HEATED SEAT SYSTEM : Front Heated Seat Switch

INFOID:0000000012372724

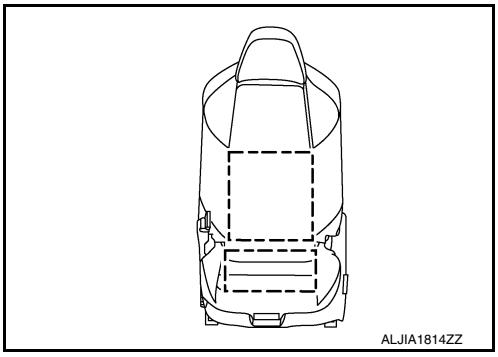
Front heated seat switch changes ON/OFF operation and HIGH/LOW operation, and supplies power source to front heated seats.



HEATED SEAT SYSTEM : Front Seat Heater

INFOID:0000000012372726

Front seat heater is located inside front heated seat cushion and seat back, and operates with power source provided via front heated seat switch.



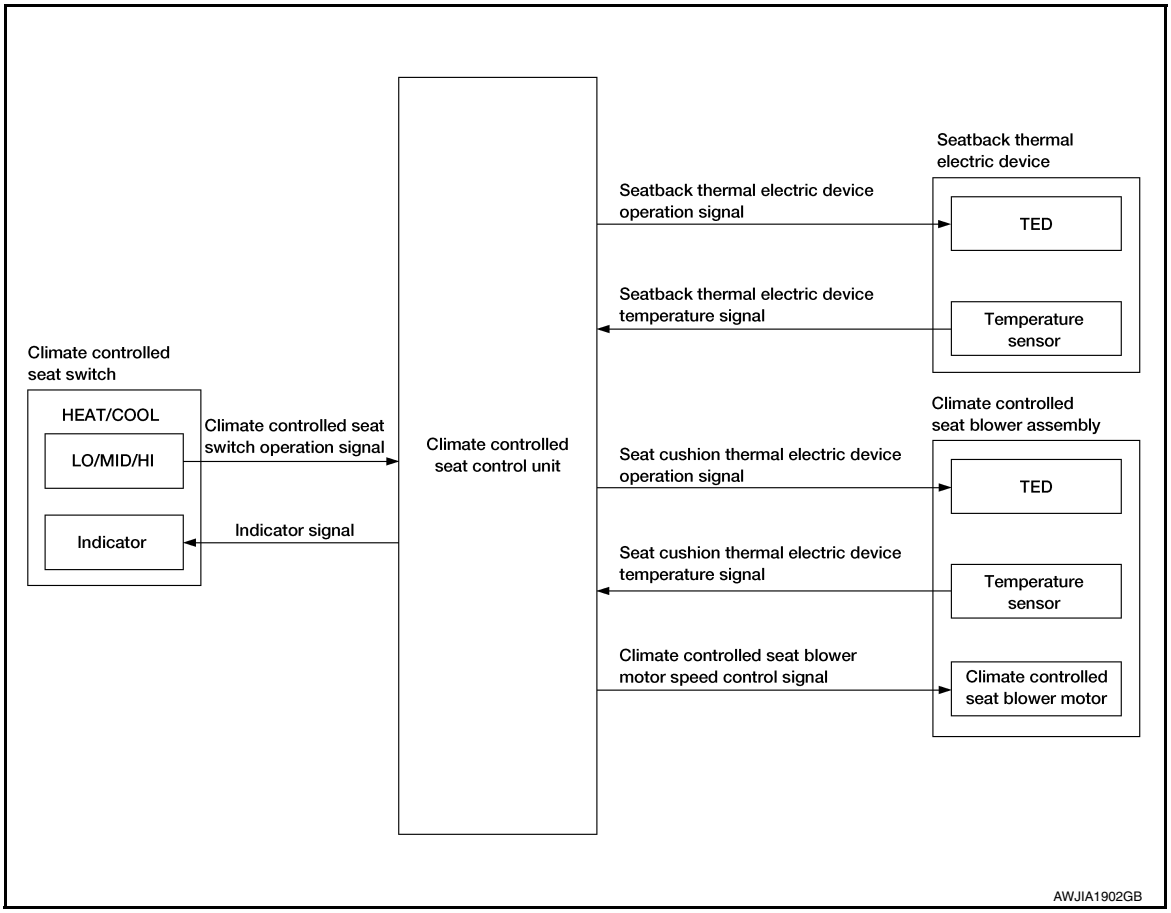
SYSTEM

CLIMATE CONTROLLED SEAT SYSTEM

CLIMATE CONTROLLED SEAT SYSTEM : System Description

INFOID:0000000012372834

SYSTEM DIAGRAM



DESCRIPTION

- 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-20, "Fail-safe".

POWER SEAT SYSTEM

POWER SEAT SYSTEM : System Description

INFOID:0000000012372835

DESCRIPTION

Power seat can be operated regardless of the ignition switch position, because power supply is always supplied to power seat switch.

Sliding Operation

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

Reclining Operation

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

Lifting Operation

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

LUMBAR SUPPORT SYSTEM

LUMBAR SUPPORT SYSTEM : System Description

INFOID:0000000012372836

DESCRIPTION

- Lumbar support can operate regardless of the ignition switch position, because power supply is always supplied to lumber support switch.
- While operating the lumbar support switch, lumbar support motor operates which allows forward and backward operation of seatback support.

HEATED SEAT SYSTEM

HEATED SEAT SYSTEM : System Description

INFOID:0000000012372837

DESCRIPTION

- Heated seat system is activated by heated seat switch while ignition switch is ON, and has the function to warm seat cushion and seatback.

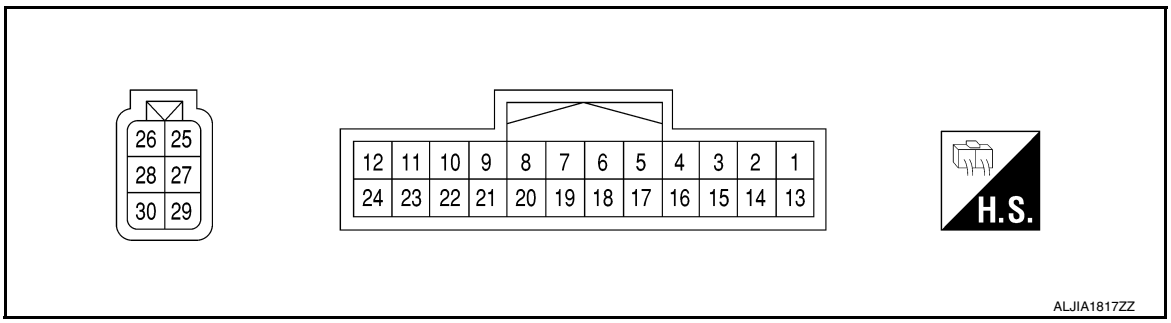
ECU DIAGNOSIS INFORMATION

CLIMATE CONTROLLED SEAT CONTROL UNIT

Reference Value

INFOID:0000000012372844

TERMINAL LAYOUT



PHYSICAL VALUES

Terminal (Wire color)	Item	Signal Input/ Output	Condition			Voltage (Approx.)
2 (G/R)	Seat cushion thermal electric device sensor ground	—	Ignition switch ON			0 V
3 (G)	Seatback thermal electric device sensor signal	Input	Blower motor operated			0.5V – 4.0V
			Ignition switch OFF			0 V
4 (Y)	Blower motor speed control signal	Input	Ignition switch ON or START	Climate controlled seat switch selected	HEAT or COOL	4.5V – 8.0V
					OFF	0 V
6 (V)	HEAT switch signal	Input	Ignition switch ON or START	Climate controlled seat switch selected	HI HEAT	2.6V – 3.5V
					MED HEAT	1.6V – 2.5V
					LO HEAT	0.5V – 1.5V
					OFF	0 V
7 (BR)	COOL switch signal	Input	Ignition switch ON or START	Climate controlled seat switch selected	HI COOL	2.6V – 3.5V
					MED COOL	1.6V – 2.5V
					LO COOL	0.5V – 1.5V
					OFF	0 V
8 (GR)	Climate controlled seat switch power supply	Input	Ignition switch ON			Battery voltage
9 (O)	COOL switch indicator signal	Input	Ignition switch ON or START	Climate controlled seat switch selected	COOL	Battery voltage
					OFF	0 V
10 (L)	HEAT switch indicator signal	Input	Ignition switch ON or START	Climate controlled seat switch selected	HEAT	Battery voltage
					OFF	0 V
12 (P)	Blower motor power supply	Input	Ignition switch ON or START			Battery voltage
17 (G/B)	Seat cushion thermal electric device sensor signal	Input	Blower motor operated			0.5V – 4.0V
			Ignition switch OFF			0 V
18 (G/Y)	Seatback thermal electric device sensor ground	—	Ignition switch ON			0 V
20 (G)	Blower motor ground	—	—			0 V

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

Fail-safe

INFOID:0000000011932914

- Climate controlled seat control unit is equipped with a 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	• 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 **NOTE:** When the switch operation is performed before entering the system OFF condition, the fail-safe mode is reset.
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)	• 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

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)	• 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
Thermal electric device sensor system open circuit	• When it detects for 4 seconds that the thermal electric device sensor system is an open circuit
Climate controlled seat blower motor system open circuit	• 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 **NOTE:** After detecting the climate seat blower motor system open circuit for 2 seconds, the system recovers automatically if the activation of the climate controlled seat blower motor is detected for 1 second or more.
Switch input out of the specified range	• 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
HEAT or COOL switch input out of the specified range	• 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
System voltage out of range	• System voltage* of the climate controlled seat control unit is out of the operation range (8.5 V – 16.5 V)

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

NOTE:

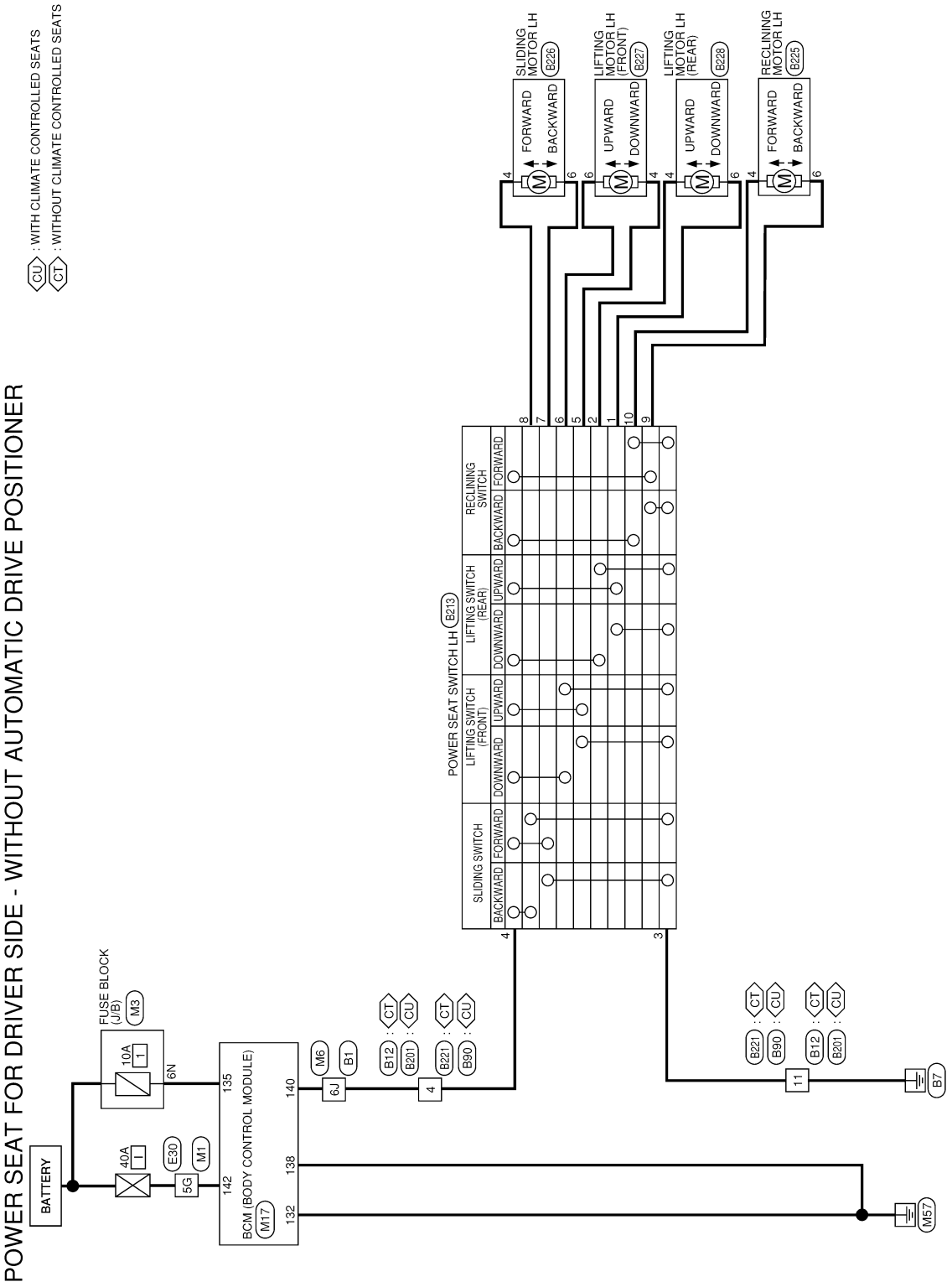
When the system enters in the fail-safe mode again after performing resetting procedure, perform diagnosis.

WIRING DIAGRAM

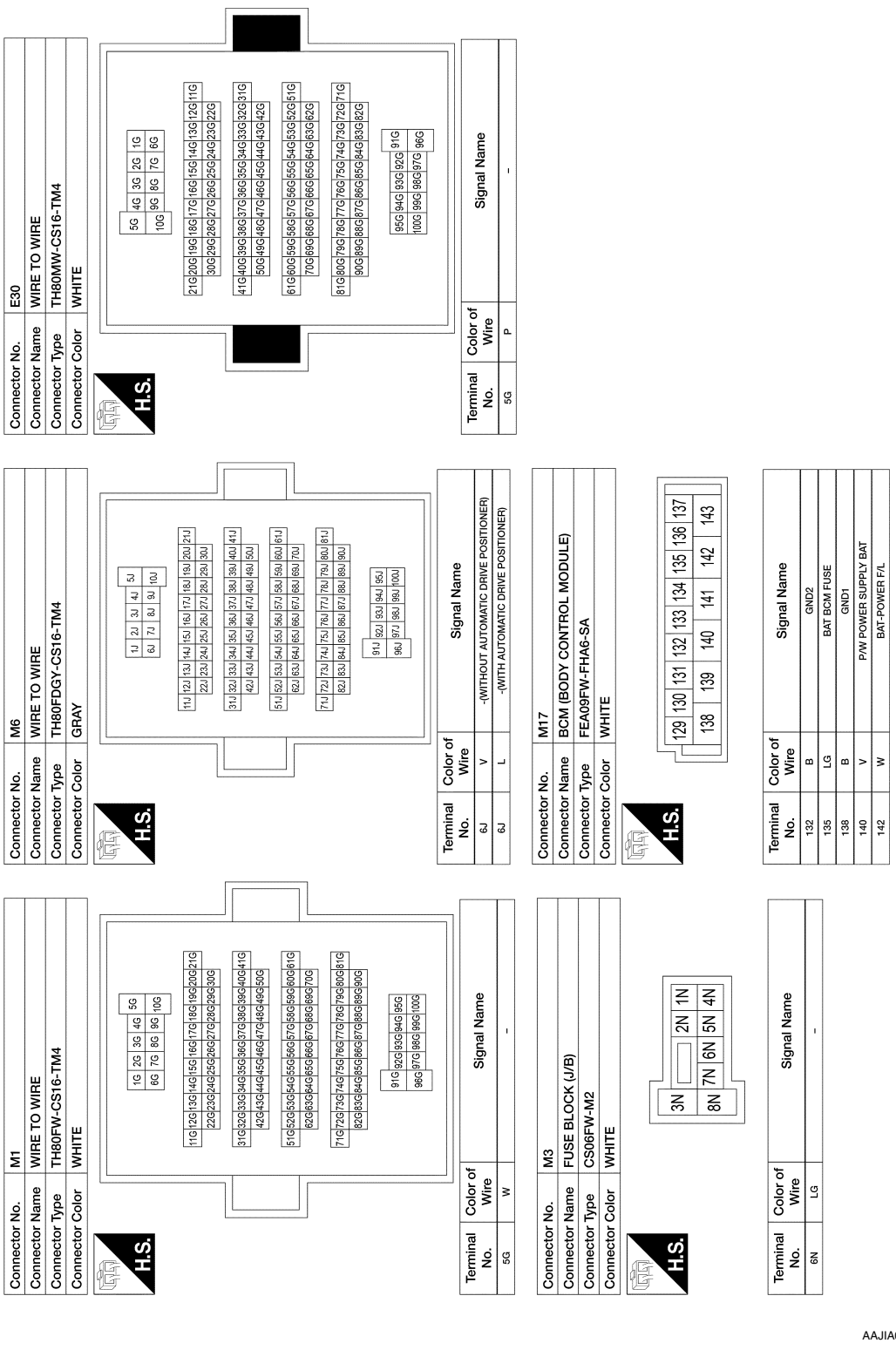
POWER SEAT FOR DRIVER SIDE

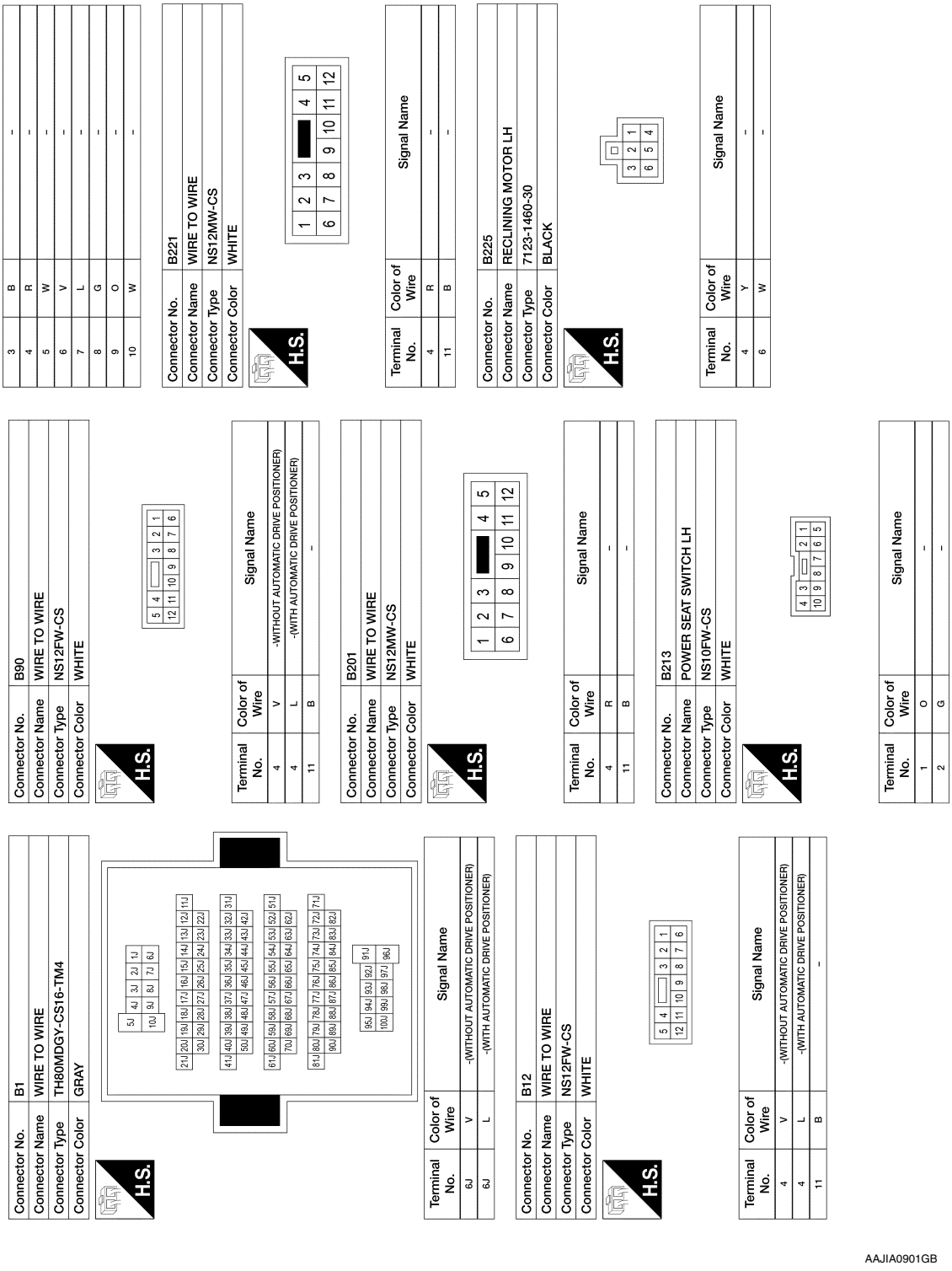
Wiring Diagram - Without Automatic Drive Positioner

INFOID:0000000011932915



POWER SEAT FOR DRIVER SIDE CONNECTORS - WITHOUT AUTOMATIC DRIVE POSITIONER





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Connector No.	B226
Connector Name	SLIDING MOTOR LH
Connector Type	7123-1460-30
Connector Color	BLACK

H.S.

Terminal No.	Color of Wire	Signal Name
4	V	–
6	P	–

Connector No.	B227
Connector Name	LIFTING MOTOR LH (FRONT)
Connector Type	7123-1460-30
Connector Color	BLACK

H.S.

Terminal No.	Color of Wire	Signal Name
4	O	–
6	GR	–

Connector No.	B228
Connector Name	LIFTING MOTOR LH (REAR)
Connector Type	7123-1460-30
Connector Color	BLACK

H.S.

Terminal No.	Color of Wire	Signal Name
4	G	–
6	L	–

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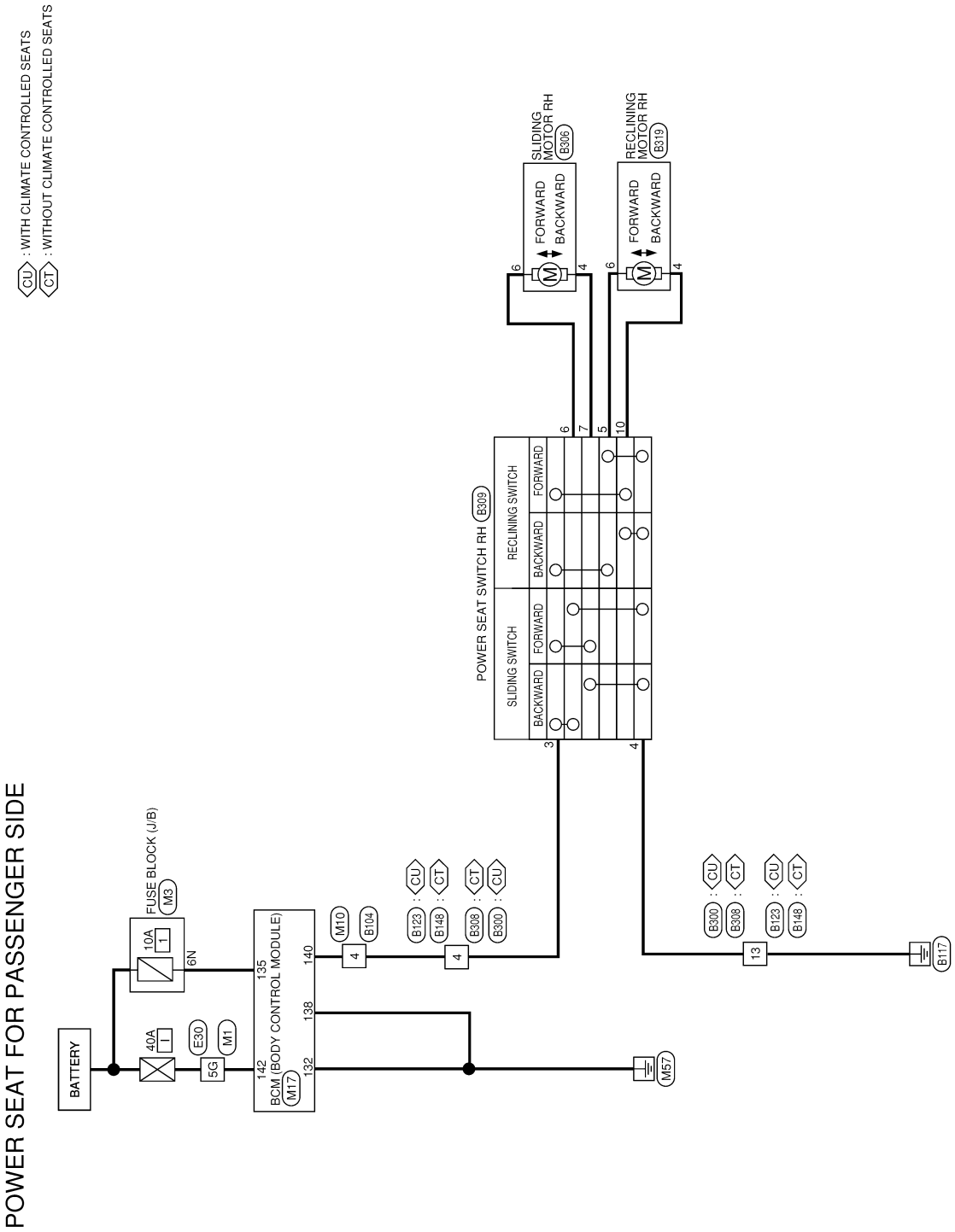
POWER SEAT FOR PASSENGER SIDE

Wiring Diagram

INFOID:0000000011932916



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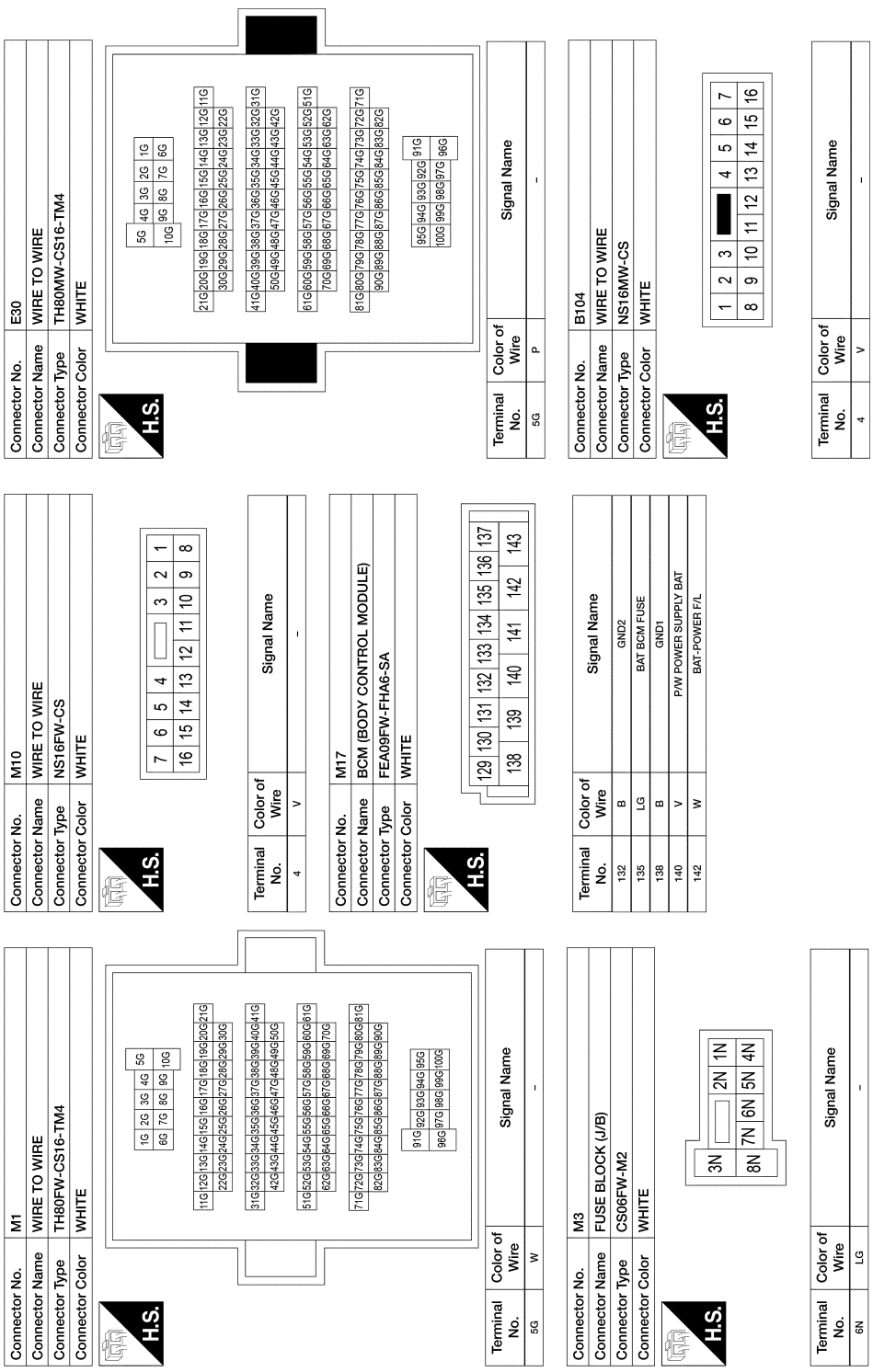
POWER SEAT FOR PASSENGER SIDE CONNECTORS



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Connector No.	B123
Connector Name	WIRE TO WIRE
Connector Type	NS16FW-CS
Connector Color	WHITE

H.S.

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

Terminal No.	Color of Wire	Signal Name
4	–	–
13	B	–

Connector No.	B148
Connector Name	WIRE TO WIRE
Connector Type	NS16FW-CS
Connector Color	WHITE

H.S.

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

Terminal No.	Color of Wire	Signal Name
4	V	–
13	B	–

Connector No.	B300
Connector Name	WIRE TO WIRE
Connector Type	NS16MW-CS
Connector Color	WHITE

H.S.

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

Terminal No.	Color of Wire	Signal Name
4	R	–
13	B	–

Connector No.	B306
Connector Name	SLIDING MOTOR RH
Connector Type	7123-1460-30
Connector Color	BLACK

H.S.

	3	2	1
6	5	4

Terminal No.	Color of Wire	Signal Name
4	L	–
6	V	–

Connector No.	B308
Connector Name	WIRE TO WIRE
Connector Type	NS16MW-CS
Connector Color	WHITE

H.S.

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

Terminal No.	Color of Wire	Signal Name
4	R	–
13	B	–

Connector No.	B309
Connector Name	POWER SEAT SWITCH RH
Connector Type	NS10FW-CS
Connector Color	WHITE

H.S.

					2	1
4	3					
10	9	8	7	6	5	

Terminal No.	Color of Wire	Signal Name
3	R	–
4	B	–
5	W	–

6	V	–
7	L	–
10	Y	–

Connector No.	B319
Connector Name	RECLINING MOTOR RH
Connector Type	7123-1460-30
Connector Color	BLACK

H.S.

	3	2	1
6	5	4

Terminal No.	Color of Wire	Signal Name
4	Y	–
6	W	–

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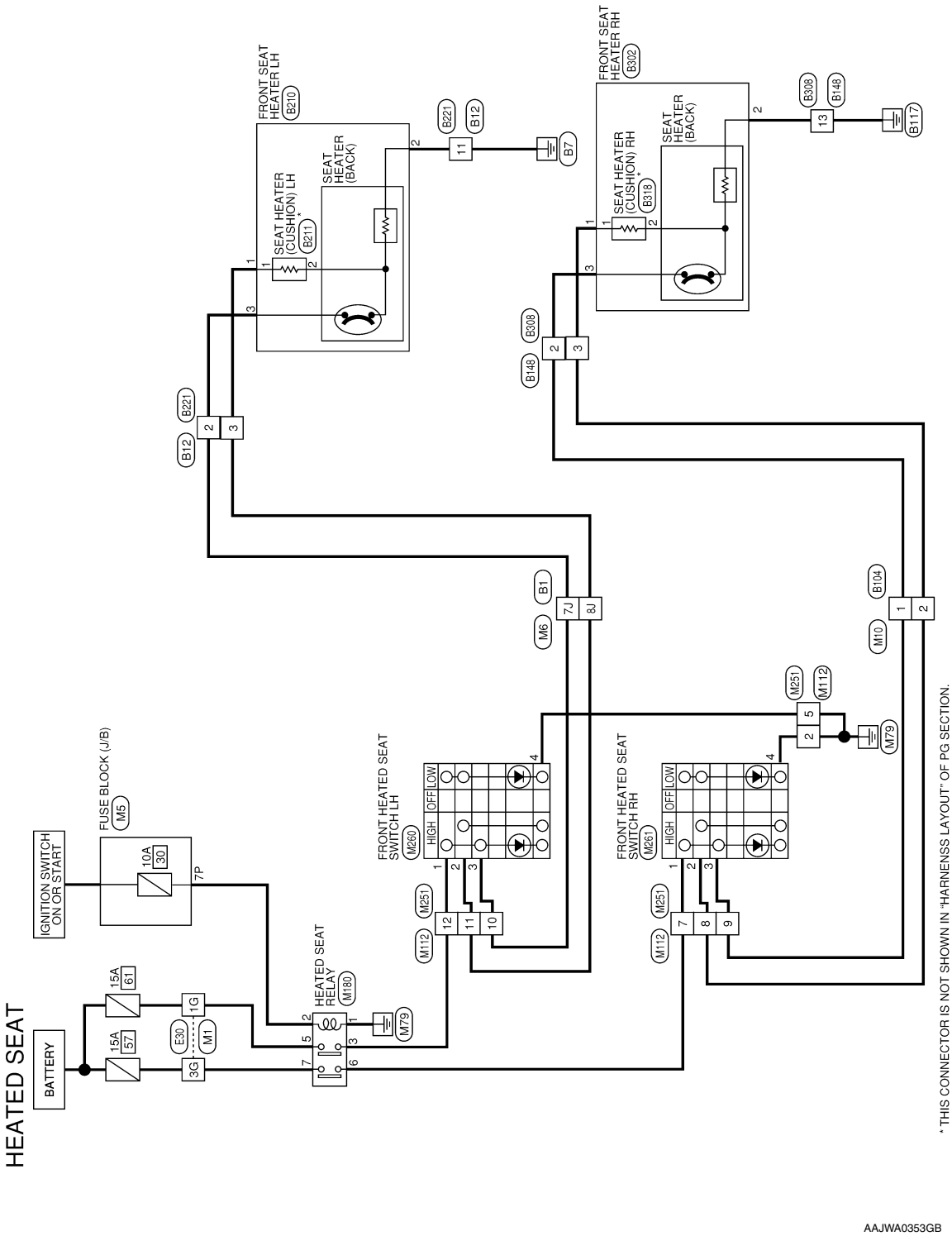
HEATED SEAT

Wiring Diagram

INFOID:0000000011932917



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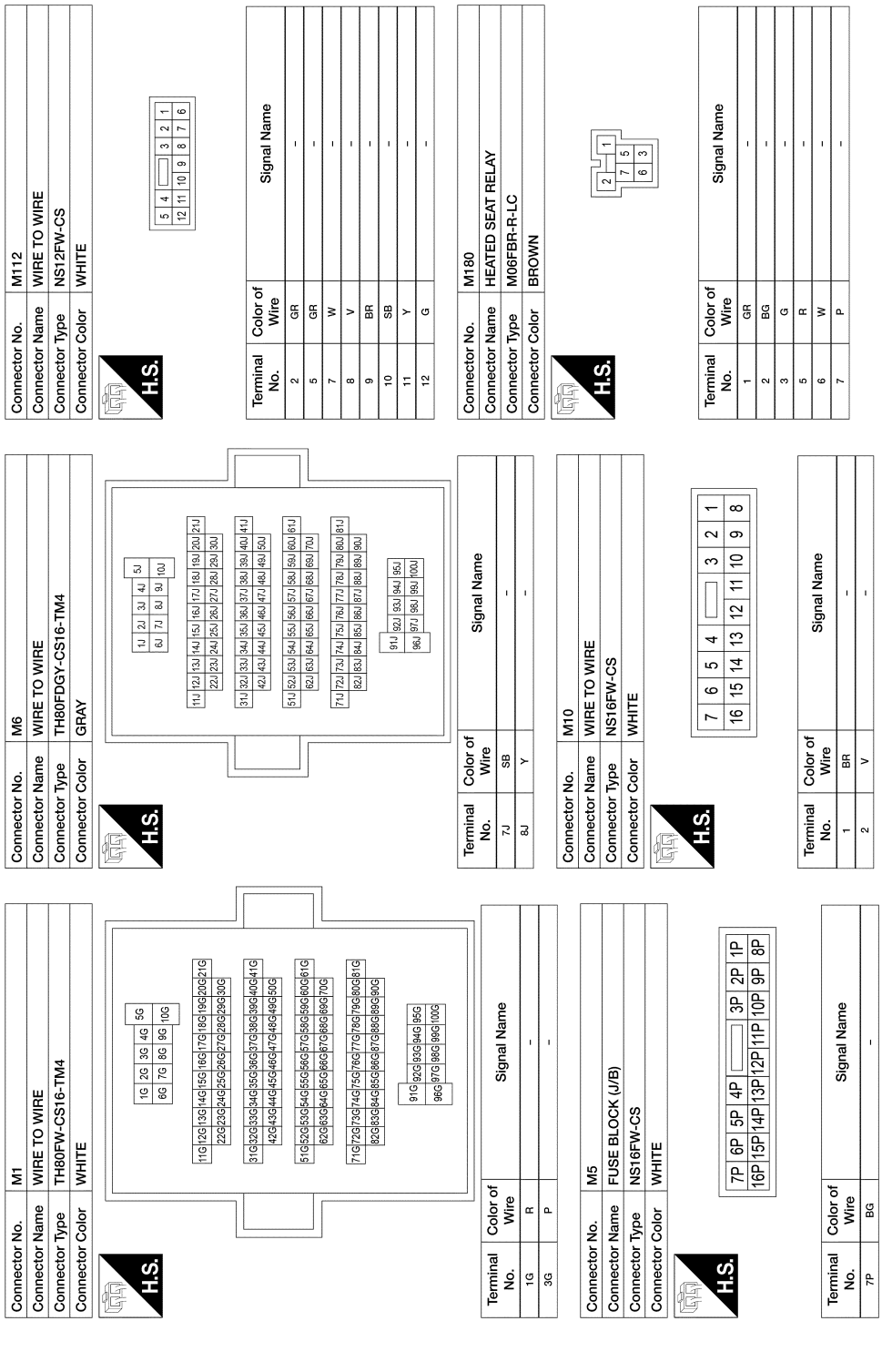
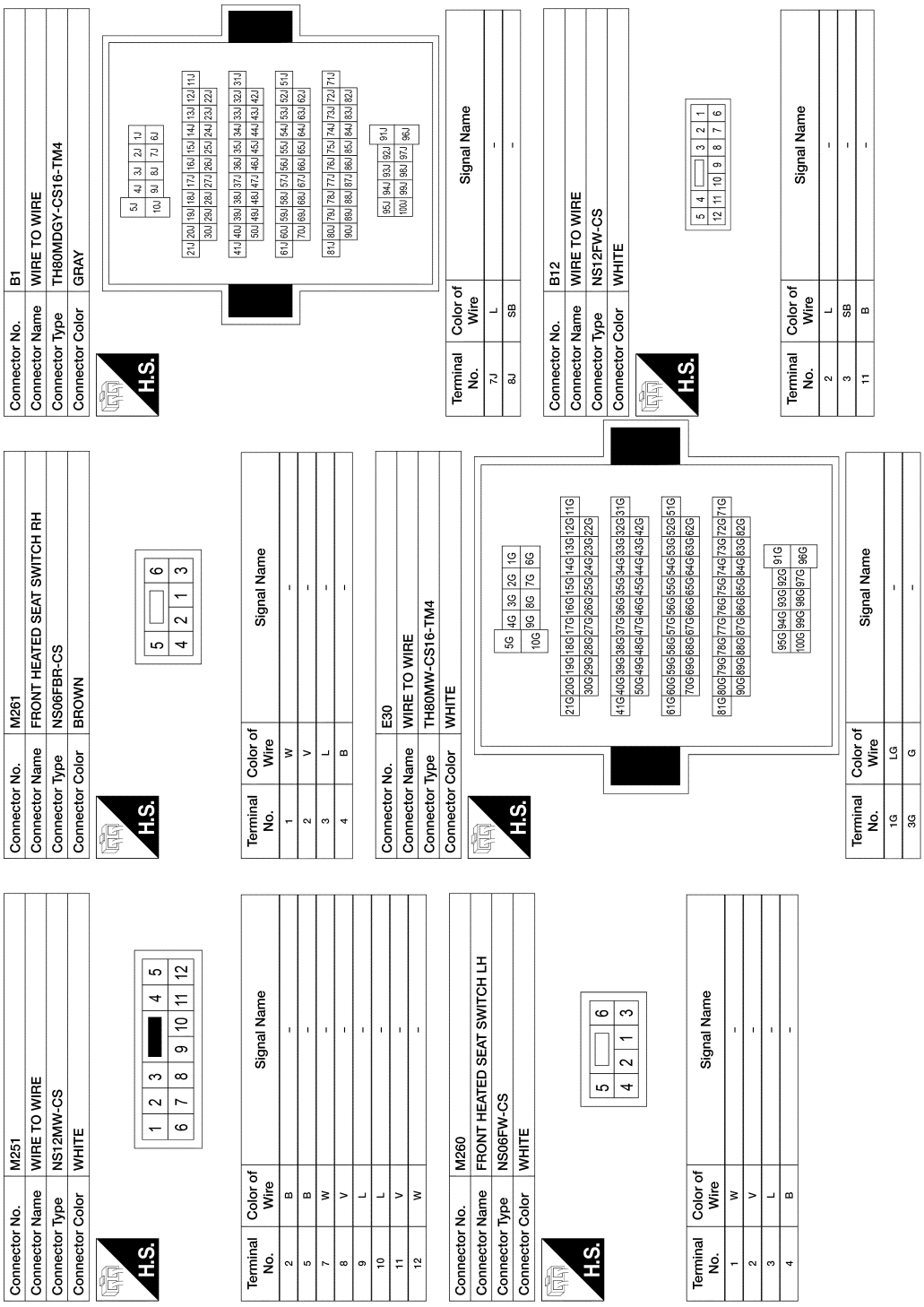
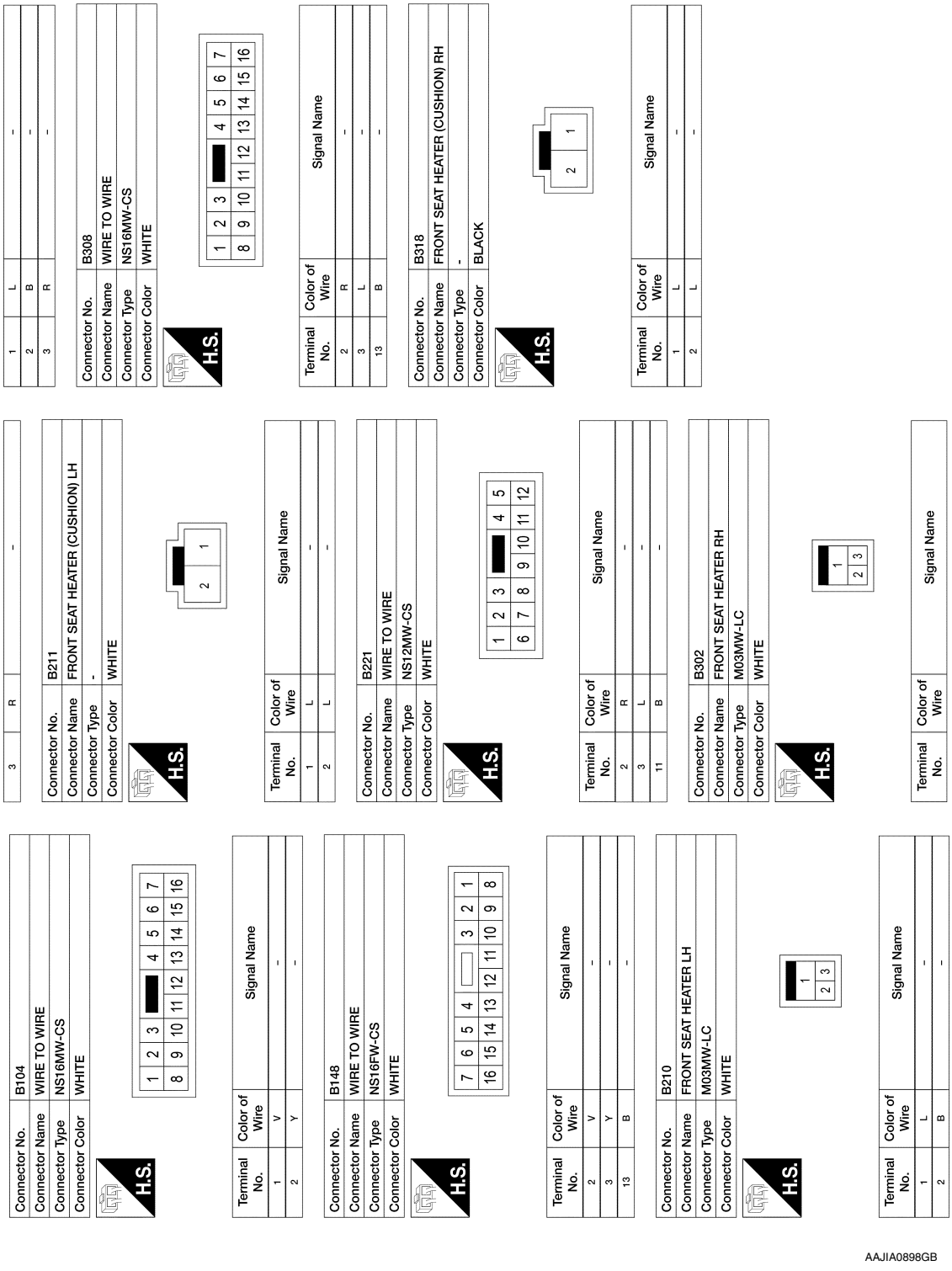
HEATED SEAT CONNECTORS



AAJIA0896GB



AAJIA0897GB



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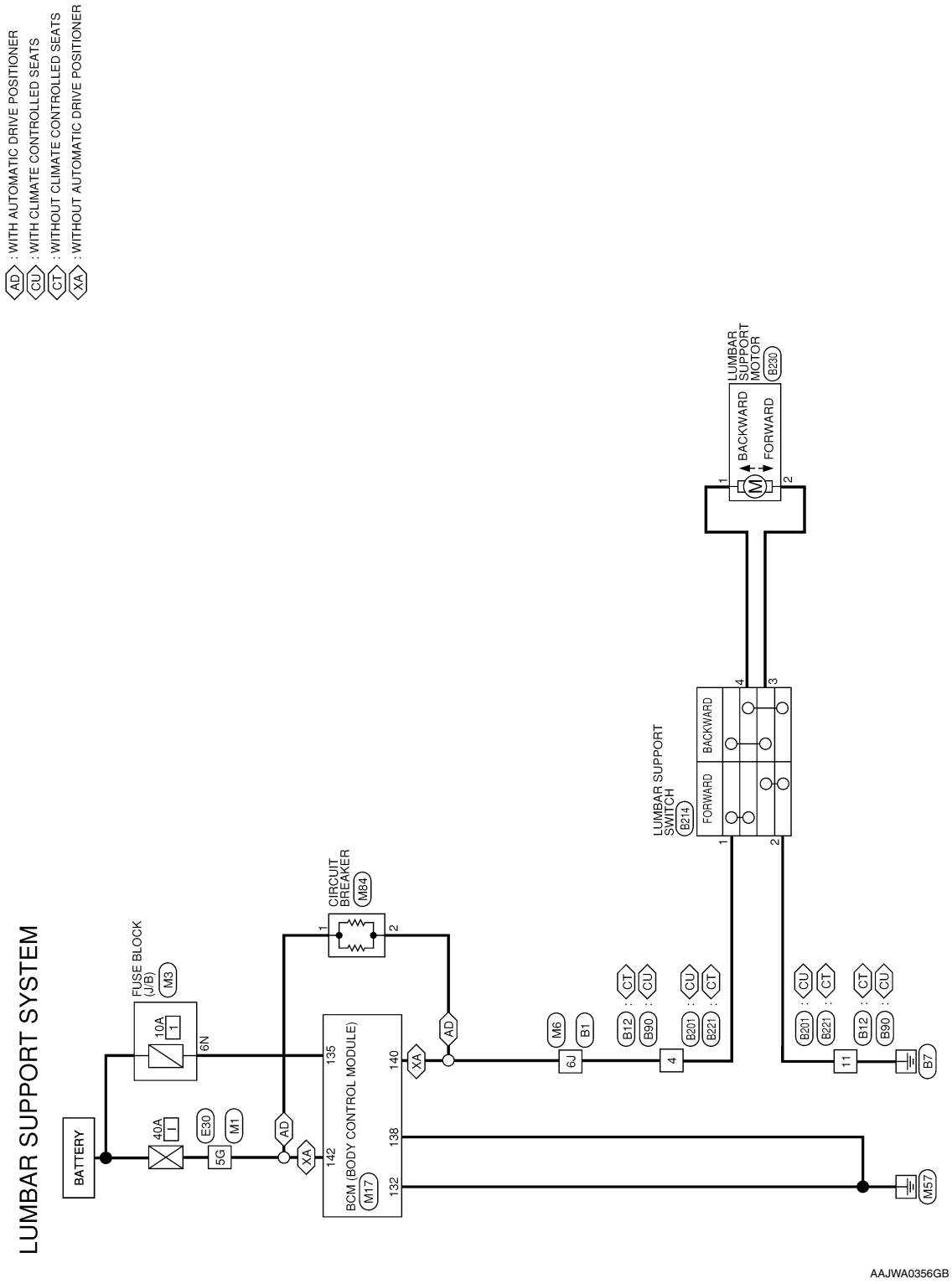
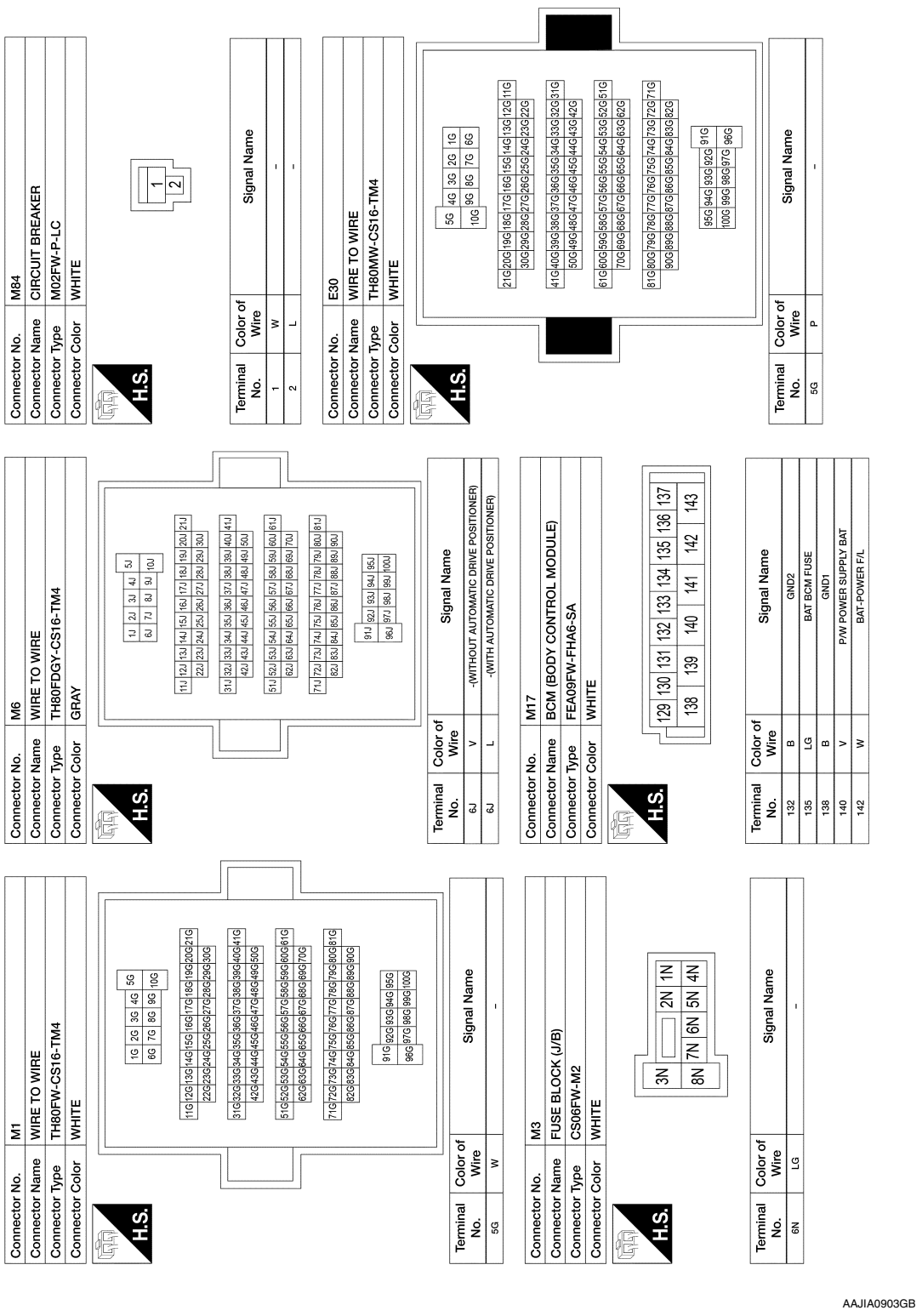
LUMBAR SUPPORT SYSTEM

Wiring Diagram

INFOID:0000000011932918



LUMBAR SUPPORT SYSTEM CONNECTORS



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3	Y
4	G

Connector No.	B221
Connector Name	WIRE TO WIRE
Connector Type	NS12MW-CS
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
4	R	-
11	B	-

Connector No.	B230
Connector Name	LUMBAR SUPPORT MOTOR
Connector Type	7119-1564-30
Connector Color	WHITE

H.S.

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

Connector No.	B90
Connector Name	WIRE TO WIRE
Connector Type	NS12FW-CS
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
4	V	-(WITHOUT AUTOMATIC DRIVE POSITIONER)
4	L	-(WITH AUTOMATIC DRIVE POSITIONER)
11	B	-

Connector No.	B201
Connector Name	WIRE TO WIRE
Connector Type	NS12MW-CS
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
4	R	-
11	B	-

Connector No.	B214
Connector Name	LUMBAR SUPPORT SWITCH
Connector Type	NS04FW-CS
Connector Color	WHITE

H.S.

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

Connector No.	B1
Connector Name	WIRE TO WIRE
Connector Type	TH80MDGY-CS16-TM4
Connector Color	GRAY

H.S.

Terminal No.	Color of Wire	Signal Name
6J	V	-(WITHOUT AUTOMATIC DRIVE POSITIONER)
6J	L	-(WITH AUTOMATIC DRIVE POSITIONER)

Connector No.	B12
Connector Name	WIRE TO WIRE
Connector Type	NS12FW-CS
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
4	V	-(WITHOUT AUTOMATIC DRIVE POSITIONER)
4	L	-(WITH AUTOMATIC DRIVE POSITIONER)
11	B	-

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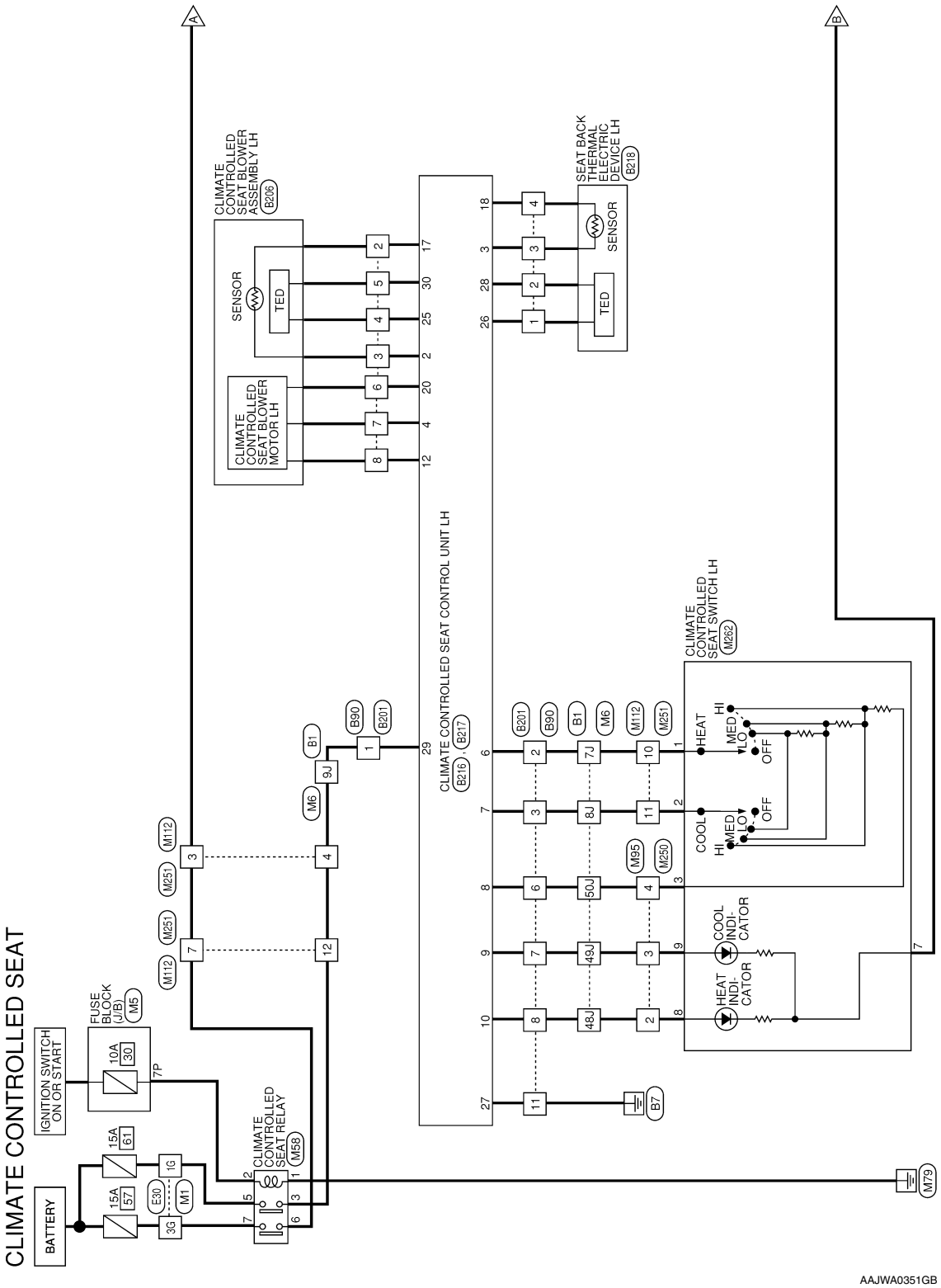
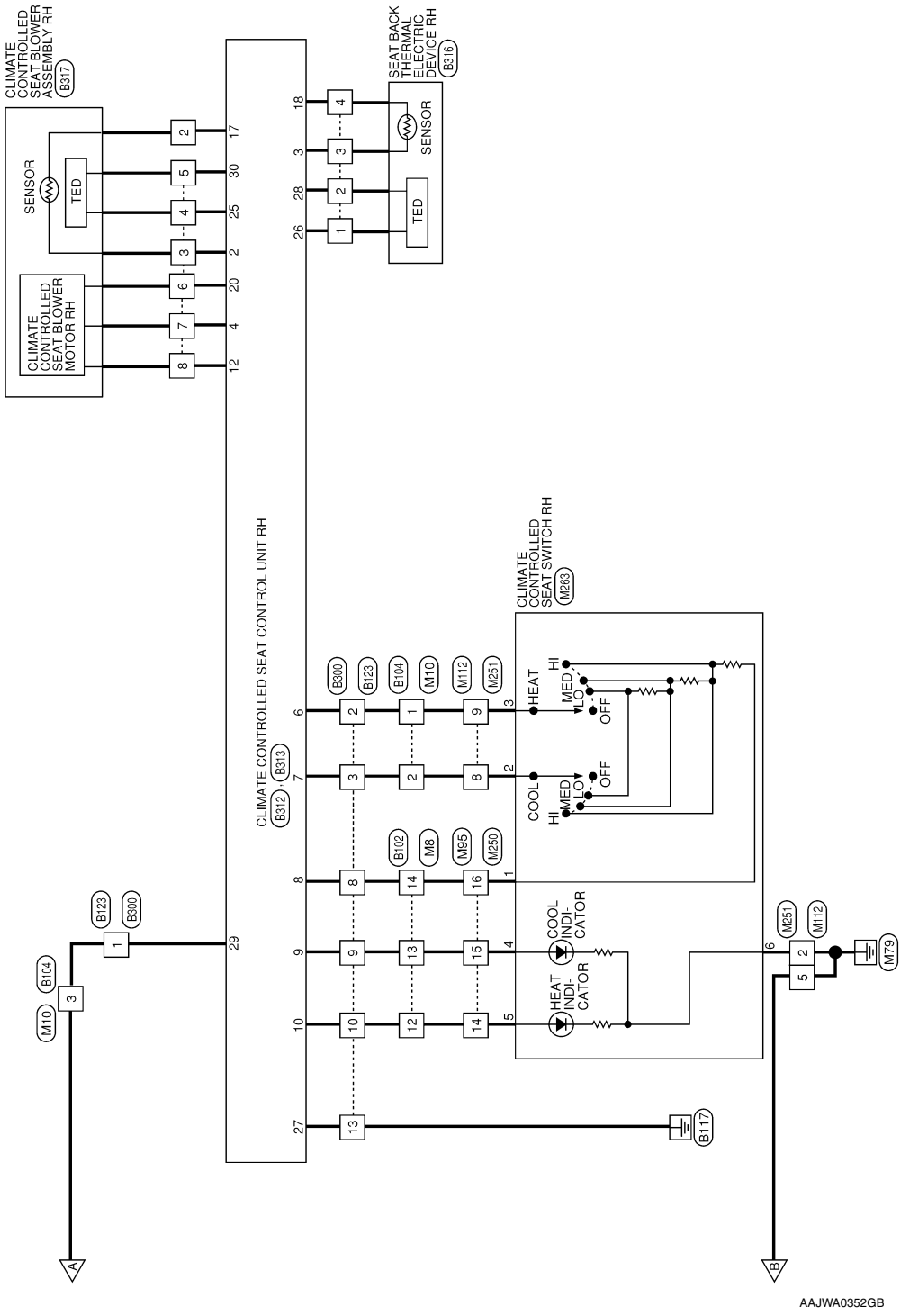
CLIMATE CONTROLLED SEAT

Wiring Diagram

INFOID:0000000011932919




CLIMATE CONTROLLED SEAT BLOWER ASSEMBLY RH
B317
SENSOR
TED
CLIMATE CONTROLLED SEAT BLOWER MOTOR RH
SEAT BACK THERMAL ELECTRIC DEVICE RH
B316
SENSOR
TED
CLIMATE CONTROLLED SEAT CONTROL UNIT RH
B312
B313
CLIMATE CONTROLLED SEAT SWITCH RH
M263
HEAT
HI
MED
LO
OFF
COOL
HI
MED
LO
OFF
COOL INDI-CATOR
HEAT INDI-CATOR
B300
B123
B104
M10
M112
M251
B102
M8
M95
M250
B117
M79
A
B
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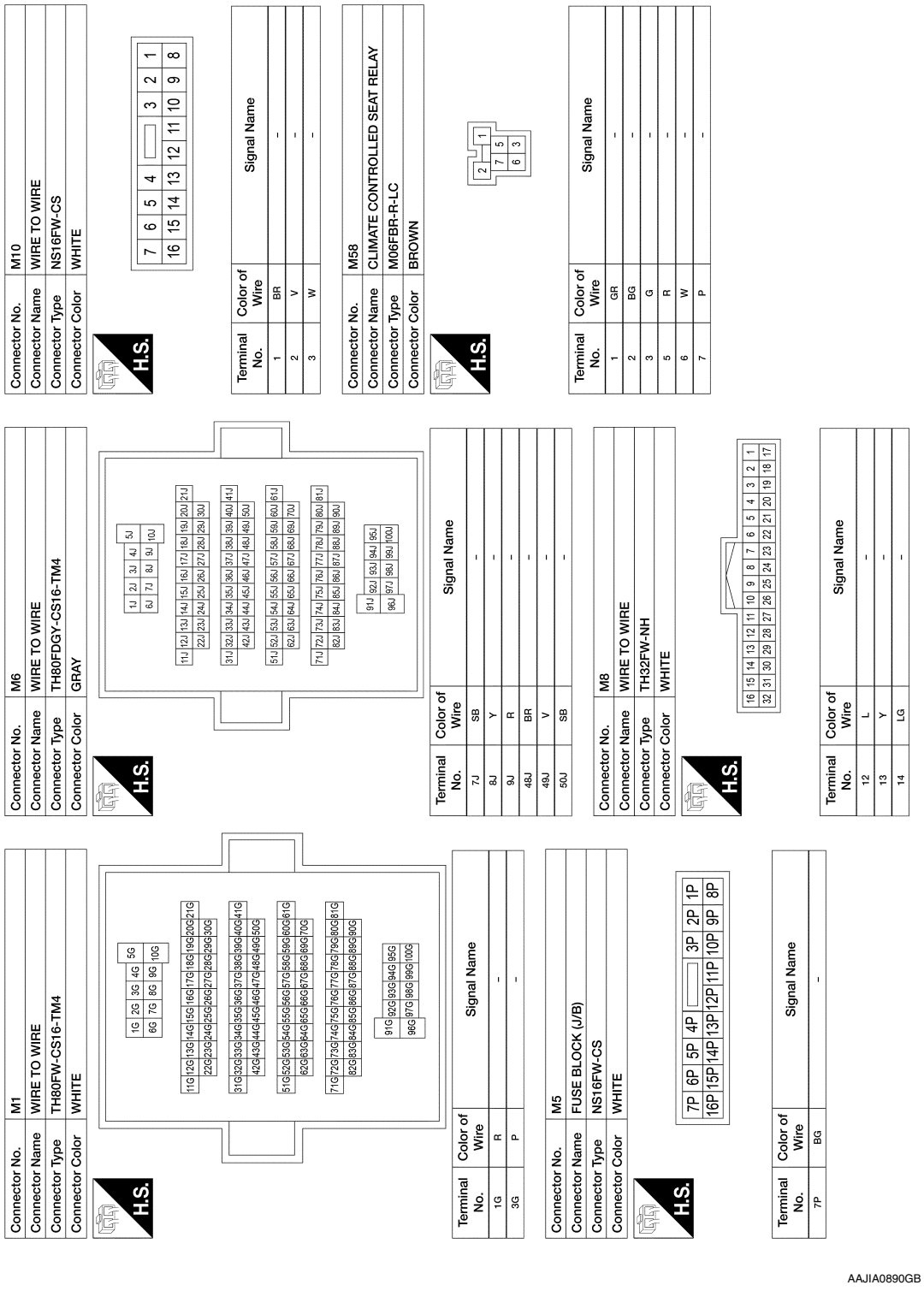
CLIMATE CONTROLLED SEAT CONNECTORS



Connector No.	M95
Connector Name	WIRE TO WIRE
Connector Type	TH24FW-NH
Connector Color	WHITE

H.S.

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

Terminal No.	Color of Wire	Signal Name
2	BR	–
3	V	–
4	SB	–
14	L	–
15	Y	–
16	LG	–

Connector No.	M112
Connector Name	WIRE TO WIRE
Connector Type	NS12FW-CS
Connector Color	WHITE

H.S.

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

Terminal No.	Color of Wire	Signal Name
2	GR	–
3	W	–
4	R	–
5	GR	–
7	W	–
8	V	–
9	BR	–
10	SB	–
11	Y	–
12	G	–

Connector No.	M250
Connector Name	WIRE TO WIRE
Connector Type	TH24MW-NH
Connector Color	WHITE

H.S.

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

Terminal No.	Color of Wire	Signal Name
2	Y	–
3	BR	–
4	L	–
14	Y	–
15	BR	–
16	L	–

Connector No.	M251
Connector Name	WIRE TO WIRE
Connector Type	NS12MW-CS
Connector Color	WHITE

H.S.

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

Terminal No.	Color of Wire	Signal Name
2	B	–
3	W	–
4	W	–
5	B	–
7	W	–
8	V	–
9	L	–
10	L	–
11	V	–
12	W	–

Connector No.	M262
Connector Name	CLIMATE CONTROLLED SEAT SWITCH LH
Connector Type	TK10FW
Connector Color	WHITE

H.S.

4	3		2	1
10	9	8	7	6	5

Terminal No.	Color of Wire	Signal Name
1	L	–
2	V	–
3	L	–
7	B	–
8	Y	–
9	BR	–

Connector No.	M263
Connector Name	CLIMATE CONTROLLED SEAT SWITCH RH
Connector Type	TK08FBR
Connector Color	BROWN

H.S.

1		2	3
4	5	6	7	8

Terminal No.	Color of Wire	Signal Name
1	L	–
2	V	–
3	L	–
4	BR	–
5	Y	–
6	B	–

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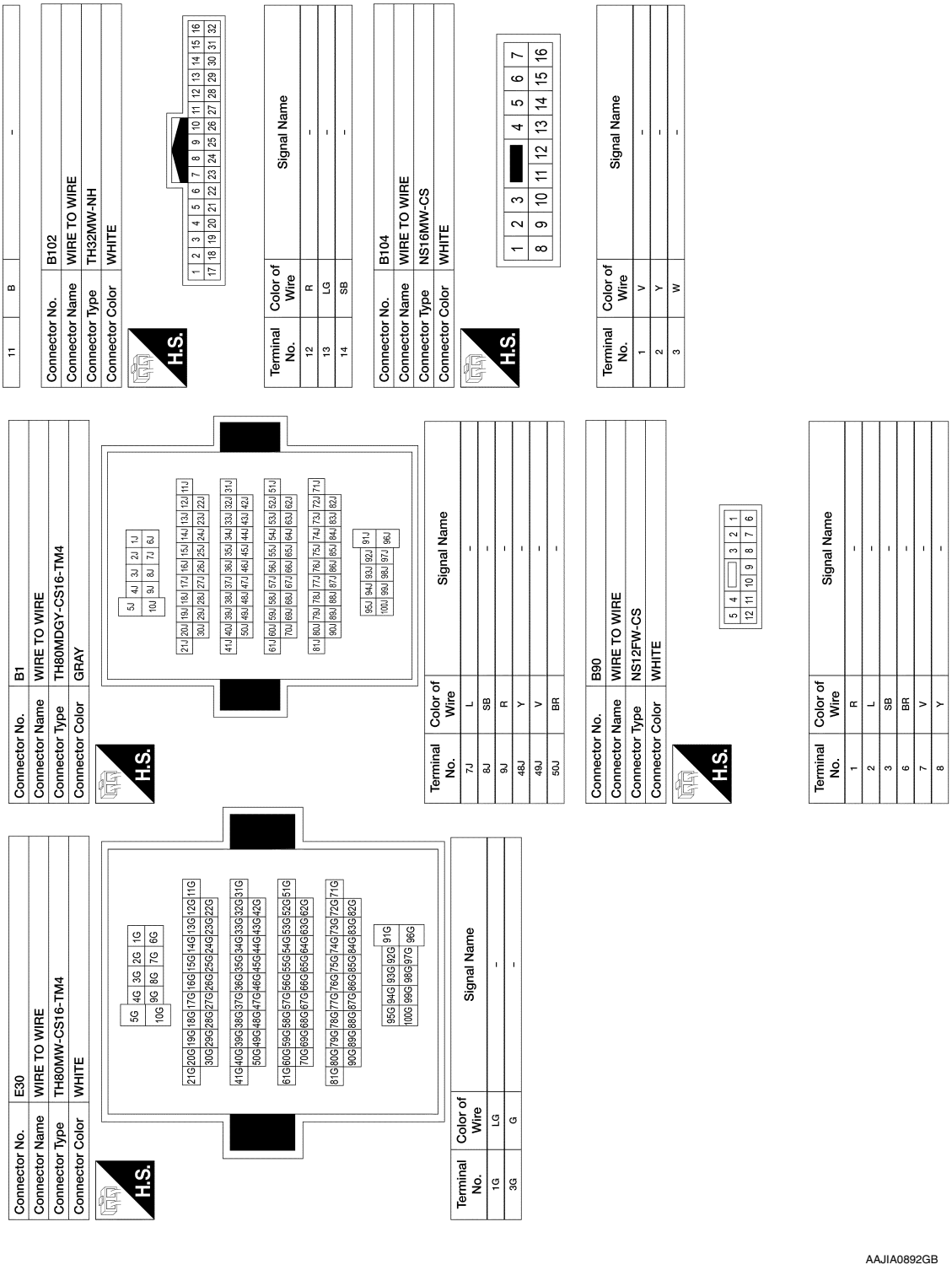

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Connector No.	B123
Connector Name	WIRE TO WIRE
Connector Type	NS16FW-CS
Connector Color	WHITE

H.S.

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

Terminal No.	Color of Wire	Signal Name
1	W	–
2	V	–
3	Y	–
8	SB	–
9	LG	–
10	R	–
13	B	–

Connector No.	B201
Connector Name	WIRE TO WIRE
Connector Type	NS12MW-CS
Connector Color	WHITE

H.S.

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

Terminal No.	Color of Wire	Signal Name
1	R	–
2	V	–
3	BR	–
6	GR	–
7	L	–
8	O	–
11	B	–

Connector No.	B206
Connector Name	CLIMATE CONTROLLED SEAT BLOWER ASSEMBLY LH
Connector Type	TK08F09
Connector Color	GRAY

H.S.

8	7	6	5	4	3	2	1

Terminal No.	Color of Wire	Signal Name
2	G/B	–
3	G/R	–
4	Y/B	–
5	L/O	–
6	G	–
7	Y	–
8	P	–

Connector No.	B216
Connector Name	CLIMATE CONTROLLED SEAT CONTROL UNIT LH
Connector Type	TH24FW-NH
Connector Color	WHITE

H.S.

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

Terminal No.	Color of Wire	Signal Name
1	–	–
2	G/R	SENS CUSH
3	G	SENS BACK
4	Y	VSP1 BLOW
5	–	–
6	V	A/C HEAT SW
7	BR	A/C COOL SW
8	GR	A/C SW UNIT
9	O	A/C COOL IND
10	L	A/C HEAT IND
11	–	–
12	P	VM1 BLOW
13	–	–
14	–	–

15	–	–
16	–	–
17	G/B	RET CUSH SEN
18	G/Y	RET BACK SEN
19	–	–
20	G	GND BLOWER
21	–	–
22	–	–
23	–	–
24	–	–

Connector No.	B217
Connector Name	CLIMATE CONTROLLED SEAT CONTROL UNIT LH
Connector Type	7123-8766-30
Connector Color	BLACK

H.S.

26	25
28	27
30	29

Terminal No.	Color of Wire	Signal Name
25	Y/B	CUSH TED +HEAT
26	R	BACK TED +HEAT
27	Y	A/C CTRL GND
28	B	BACK TED -HEAT
29	L	A/C IGN
30	L/O	CUSH TED -HEAT

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Connector No.	B218
Connector Name	SEAT BACK THERMAL ELECTRIC DEVICE LH
Connector Type	7283-8340
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
1	L	–
2	Y	–
3	G	–
4	G/Y	–

Connector No.	B300
Connector Name	WIRE TO WIRE
Connector Type	NS16MW-CS
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
1	R	–
2	V	–
3	BR	–
8	GR	–
9	L	–
10	O	–
13	B	–

Connector No.	B312
Connector Name	CLIMATE CONTROLLED SEAT CONTROL UNIT RH
Connector Type	TH24FW-NH
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
1	–	–
2	G/R	SENS CUSH
3	G	SENS BACK
4	Y	VSP1 BLOW
5	–	–
6	V	A/C HEAT SW
7	BR	A/C COOL SW
8	GR	A/C SW UNIT
9	O	A/C COOL IND
10	L	A/C HEAT IND
11	–	–
12	P	VM1 BLOW
13	–	–
14	–	–
15	–	–
16	–	–
17	G/B	RET CUSH SEN
18	G/Y	RET BACK SEN
19	–	–
20	G	GND BLOWER
21	–	–
22	–	–
23	–	–
24	–	–

Connector No.	B313
Connector Name	CLIMATE CONTROLLED SEAT CONTROL UNIT RH
Connector Type	7123-8766-30
Connector Color	BLACK

H.S.

Terminal No.	Color of Wire	Signal Name
25	Y/B	CUSH TED +HEAT
26	R	BACK TED +HEAT
27	Y	A/C CTRL GND
28	B	BACK TED -HEAT
29	L	A/C IGN
30	L/O	CUSH TED -HEAT

Connector No.	B316
Connector Name	SEAT BACK THERMAL ELECTRIC DEVICE RH
Connector Type	7283-8340
Connector Color	WHITE

H.S.

Terminal No.	Color of Wire	Signal Name
1	L	–
2	Y	–
3	G	–
4	G/Y	–

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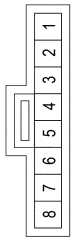
Connector No.	B317
Connector Name	CLIMATE CONTROLLED SEAT BLOWER ASSEMBLY RH
Connector Type	TK08FGY
Connector Color	GRAY

H.S.



Terminal No.	Color of Wire	Signal Name
2	G/B	–
3	G/R	–
4	Y/B	–
5	L/O	–
6	G	–
7	Y	–
8	P	–

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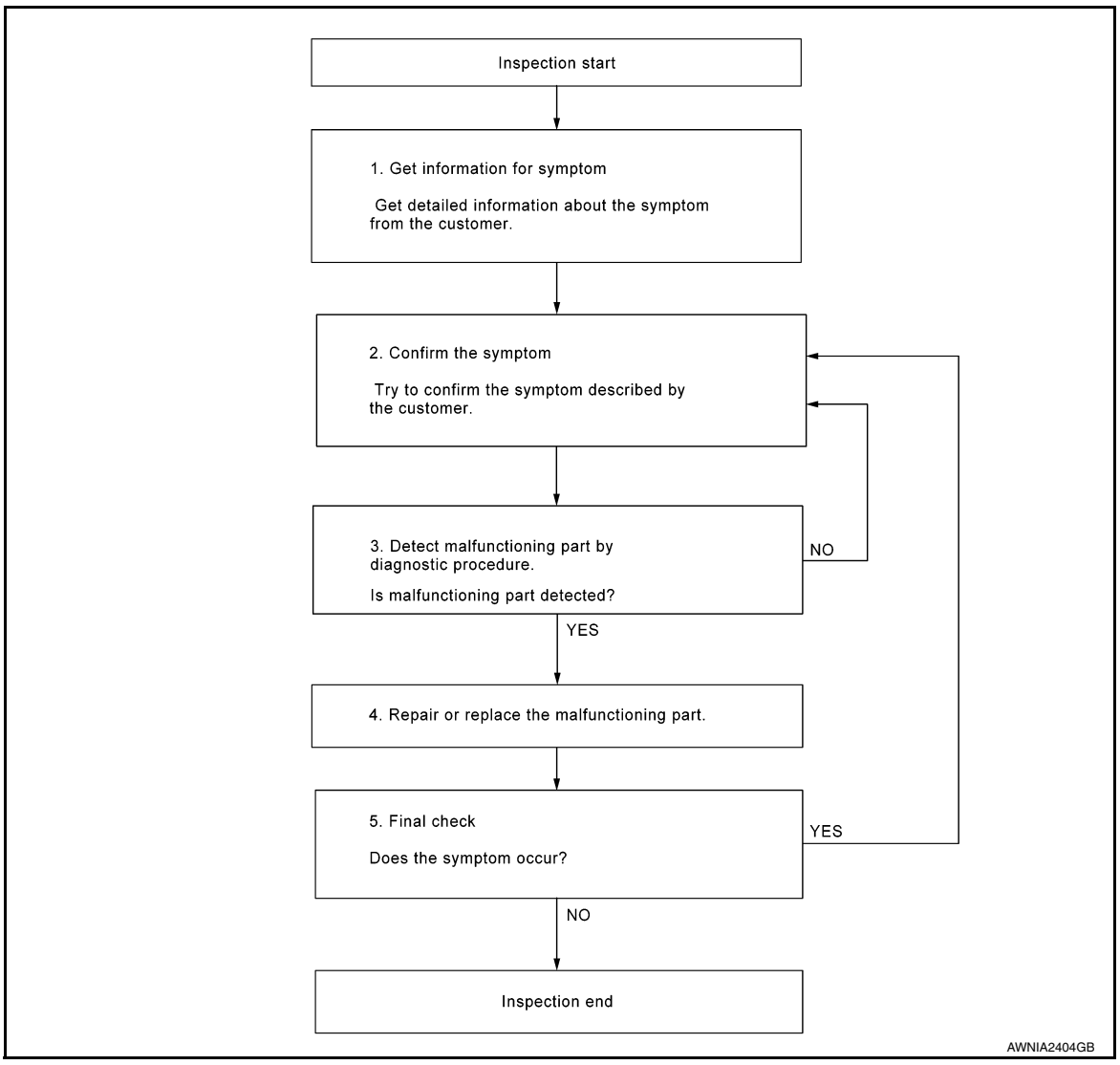
BASIC INSPECTION

DIAGNOSIS AND REPAIR WORK FLOW

Work Flow

INFOID:0000000011932886

OVERALL SEQUENCE



DETAILED FLOW

1.GET INFORMATION FOR SYMPTOM

Get detailed information from the customer about the symptom (the condition and the environment when the incident/malfunction occurred).

>> GO TO 2.

2.CONFIRM THE SYMPTOM

Try to confirm the symptom described by the customer. Verify relation between the symptom and the condition when the symptom is detected. Refer to SE-64, "Symptom Table".

>> GO TO 3.

3.DETECT MALFUNCTIONING PART BY DIAGNOSTIC PROCEDURE

Inspect according to Diagnostic Procedure of the system.

Is malfunctioning part detected?

YES >> GO TO 4.
NO >> GO TO 2.

4. REPAIR OR REPLACE THE MALFUNCTIONING PART

1. Repair or replace the malfunctioning part.
2. Reconnect parts or connectors disconnected during Diagnostic Procedure.

>> GO TO 5.

5. FINAL CHECK

Refer to confirmed symptom in step 2, and make sure that the symptom is not detected.

Was the repair confirmed?

YES >> Inspection End.
NO >> GO TO 2.

DTC/CIRCUIT DIAGNOSIS

POWER SUPPLY AND GROUND CIRCUIT

CLIMATE CONTROLLED SEAT CONTROL UNIT

CLIMATE CONTROLLED SEAT CONTROL UNIT : Diagnosis Procedure

INFOID:0000000012372845

Regarding Wiring Diagram information, refer to SE-36, "Wiring Diagram".

LH

1. CHECK FUSE

Check if any of the following fuses are blown.

Signal name	Fuse No.
Battery power supply	61 (15A)
IGN power supply	30 (10A)

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 LH POWER SUPPLY

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

(+)		(–)	Voltage (Approx.)
Climate controlled seat control unit LH			
Connector	Terminal		
B217	29	Ground	Battery voltage

Is the inspection result normal?

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

3. CHECK CLIMATE CONTROLLED SEAT CONTROL UNIT LH POWER SUPPLY CIRCUIT

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

Climate controlled seat control unit LH		Climate controlled seat relay		Continuity
Connector	Terminal	Connector	Terminal	
B217	29	M58	3	Yes

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

Climate controlled seat control unit LH		Ground	Continuity
Connector	Terminal		
B217	29		No

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

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-49, "CLIMATE CONTROLLED SEAT CONTROL UNIT : Component Inspection".

Is the inspection result normal?

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

7.CHECK CLIMATE CONTROLLED SEAT CONTROL UNIT LH GROUND CIRCUIT

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

Climate controlled seat control unit LH		Ground	Continuity
Connector	Terminal		
B217	27		Yes

Is the inspection result normal?

YES >> Check intermittent incident. Refer to GI-41, "Intermittent Incident".
NO >> Repair or replace harness or connector.

RH

1.CHECK FUSE

Check if any of the following fuses are blown.

Signal name	Fuse No.
Battery power supply	57 (15A)
IGN power supply	30 (10A)

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 RH POWER SUPPLY

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

(+)		(–)	Voltage (Approx.)
Climate controlled seat control unit RH			
Connector	Terminal		
B313	29	Ground	Battery voltage

Is the inspection result normal?

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

3.CHECK CLIMATE CONTROLLED SEAT CONTROL UNIT RH POWER SUPPLY CIRCUIT

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

Climate controlled seat control unit RH		Climate controlled seat relay		Continuity
Connector	Terminal	Connector	Terminal	
B313	29	M58	6	Yes

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

Climate controlled seat control unit RH		Ground	Continuity
Connector	Terminal		
B313	29		No

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 (Approx.)
Climate controlled seat relay			
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-49, "CLIMATE CONTROLLED SEAT CONTROL UNIT : Component Inspection".

Is the inspection result normal?

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

7. CHECK CLIMATE CONTROLLED SEAT CONTROL UNIT RH GROUND CIRCUIT

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

Climate controlled seat control unit RH		Ground	Continuity
Connector	Terminal		
B313	27		Yes

Is the inspection result normal?

YES >> Check intermittent incident. Refer to GI-41, "Intermittent Incident".
NO >> Repair harness or connector.

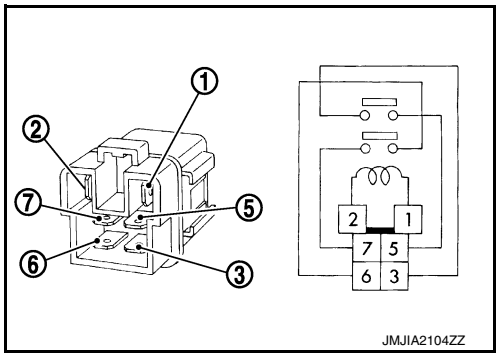
CLIMATE CONTROLLED SEAT CONTROL UNIT : Component Inspection

INFOID:0000000012385864

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.

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



Is the inspection result normal?

YES >> Inspection End.
NO >> Replace climate controlled seat relay.

SEATBACK THERMAL ELECTRIC DEVICE

Component Function Check

INFOID:0000000012372846

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-50, "Diagnosis Procedure".

Diagnosis Procedure

INFOID:0000000012372847

Regarding Wiring Diagram information, refer to SE-36, "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.

(+) Seatback thermal electric device			(–)	Condition		Voltage (Approx.)
Connector		Terminal				
LH	B218	1	Ground	Climate controlled seat switch	HEAT or COOL	0 - 12*
					Other than above	0
		2			HEAT or COOL	0 - 12*
					Other than above	0
RH	B316	1		Climate controlled seat switch	HEAT or COOL	0 - 12*
					Other than above	0
		2			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-80, "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	
LH	B217	26	B218	1	Yes
		28		2	
RH	B313	26	B316	1	
		28		2	

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

Climate controlled seat control unit			Ground	Continuity
Connector		Terminal		
LH	B217	26	Ground	No
		28		
RH	B313	26		
		28		

Is the inspection result normal?

YES >> Replace climate controlled seat control unit. Refer to SE-83, "Climate Controlled Seat Control Unit".

NO >> Repair or replace harness.

SEATBACK THERMAL ELECTRIC DEVICE SENSOR

Component Function Check

INFOID:0000000012372848

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-52, "Diagnosis Procedure".

Diagnosis Procedure

INFOID:0000000012372849

Regarding Wiring Diagram information, refer to SE-36, "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.

(+)			(-)	Condition	Voltage (Approx.)
Seatback thermal electric device					
Connector		Terminal			
LH	B218	3	Ground	Climate controlled seat operated	1 - 5
RH	B313				

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			Seatback thermal electric device		Continuity
Connector		Terminal	Connector	Terminal	
LH	B216	3	B218	3	Yes
RH	B312		B316		

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

Climate controlled seat control unit			Ground	Continuity
Connector		Terminal		
LH	B216	3		No
RH	B312			

Is the inspection result normal?

YES >> Replace climate controlled seat control unit. Refer to SE-83, "Climate Controlled Seat Control Unit".
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.
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	
LH	B216	18	B218	4	Yes
RH	B312		B316		

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

Climate controlled seat control unit			Ground	Continuity
Connector		Terminal		
LH	B216	18		No
RH	B312			

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-53, "Component Inspection".

Is the inspection result normal?

YES >> Check intermittent incident. Refer to GI-41, "Intermittent Incident".
NO >> Replace seatback thermal electric device. Refer to SE-80, "Seatback Thermal Electric Device".

Component Inspection

INFOID:0000000012372850

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.)
Terminals		
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-80, "Seatback Thermal Electric Device".

SEAT CUSHION THERMAL ELECTRIC DEVICE

Component Function Check

INFOID:0000000012372851

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-54, "Diagnosis Procedure".

Diagnosis Procedure

INFOID:0000000012372852

Regarding Wiring Diagram information, refer to SE-36, "Wiring Diagram".

1.CHECK SEAT CUSHION THERMAL ELECTRIC DEVICE SIGNAL

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

(+)			(–)	Condition		Voltage (Approx.)
Climate controlled seat blower motor assembly						
Connector		Terminal				
LH	B206	4	Ground	Climate controlled seat switch	HEAT or COOL	0 - 12*
					Other than above	0
		5			HEAT or COOL	0 - 12*
					Other than above	0
RH	B317	4		Climate controlled seat switch	HEAT or COOL	0 - 12*
					Other than above	0
		5			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 climate controlled seat blower motor assembly. Refer to SE-81, "Climate Controlled Seat Blower Assembly".
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 climate controlled seat blower motor assembly connector.
3. Check continuity between climate controlled seat control unit harness connector and climate controlled seat blower motor assembly harness connector.

Climate controlled seat control unit			Climate controlled seat blower motor assembly		Continuity
Connector		Terminal	Connector	Terminal	
LH	B216	25	B206	4	Yes
		30		5	
RH	B313	25	B317	4	
		30		5	

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

Climate controlled seat control unit			Ground	Continuity
Connector		Terminal		
LH	B216	25	Ground	No
		30		
RH	B313	25		
		30		

Is the inspection result normal?

YES >> Replace climate controlled seat control unit. Refer to SE-83, "Climate Controlled Seat Control Unit".

NO >> Repair or replace harness.

SEAT CUSHION THERMAL ELECTRIC DEVICE SENSOR

Component Function Check

INFOID:0000000012372853

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-56, "Diagnosis Procedure".

Diagnosis Procedure

INFOID:0000000012372854

Regarding Wiring Diagram information, refer to SE-36, "Wiring Diagram".

1.CHECK SEAT CUSHION THERMAL ELECTRIC DEVICE SENSOR SIGNAL

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

(+)			(-)	Condition	Voltage (Approx.)
Climate controlled seat blower motor assembly					
Connector		Terminal			
LH	B206	3	Ground	Climate controlled seat operated	1 - 5
RH	B317				

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

Climate controlled seat control unit			Climate controlled seat blower motor assembly		Continuity
Connector		Terminal	Connector	Terminal	
LH	B216	2	B206	3	Yes
RH	B312		B317		

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

Climate controlled seat control unit			Ground	Continuity
Connector		Terminal		
LH	B216	2		No
RH	B312			

Is the inspection result normal?

YES >> Replace climate controlled seat control unit. Refer to SE-83, "Climate Controlled Seat Control Unit".
NO >> Repair or replace harness.

3.CHECK SEAT CUSHION THERMAL ELECTRIC DEVICE SENSOR GROUND CIRCUIT

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

Climate controlled seat control unit			Climate controlled seat blower motor assembly		Continuity
Connector		Terminal	Connector	Terminal	
LH	B216	17	B206	2	Yes
RH	B312		B317		

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

Climate controlled seat control unit			Ground	Continuity
Connector		Terminal		
LH	B216	17		No
RH	B312			

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-57, "Component Inspection".

Is the inspection result normal?

YES >> Check intermittent incident. Refer to GI-41, "Intermittent Incident".
NO >> Replace climate controlled seat blower motor assembly. Refer to SE-81, "Climate Controlled Seat Blower Assembly".

Component Inspection

INFOID:0000000012372855

1.CHECK SEAT CUSHION THERMAL ELECTRIC DEVICE SENSOR

1. Turn ignition switch OFF.
2. Disconnect climate controlled seat blower motor assembly connector.
3. Check resistance between seat cushion thermal electric device terminals.

Seat cushion thermal electric device		Resistance (Approx.)
Terminals		
2	3	1000Ω*

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

Is the inspection result normal?

YES >> Inspection End.
NO >> Replace climate controlled seat blower motor assembly. Refer to SE-81, "Climate Controlled Seat Blower Assembly".

CLIMATE CONTROLLED SEAT BLOWER MOTOR

Component Function Check

INFOID:0000000012372856

1.CHECK CLIMATE CONTROLLED SEAT BLOWER MOTOR FUNCTION

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

Is the inspection result normal?

YES >> Inspection End.
NO >> Refer to SE-58, "Diagnosis Procedure".

Diagnosis Procedure

INFOID:0000000012372857

Regarding Wiring Diagram information, refer to SE-36, "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 assembly harness connector and ground.

(+)			(–)	Condition		Voltage (Approx.)
Climate controlled seat blower motor assembly						
Connector		Terminal				
LH	B206	8	Ground	Climate controlled seat switch	HEAT mode	Battery voltage
					COOL mode	
					Other than above	0
RH	B317			Climate controlled seat switch	HEAT mode	Battery voltage
					COOL mode	
					Other than above	0

Is the inspection result normal?

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

2.CHECK CLIMATE CONTROLLED SEAT BLOWER MOTOR POWER SUPPLY CIRCUIT

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

Climate controlled seat blower motor assembly			Climate controlled seat control unit		Continuity
Connector		Terminal	Connector	Terminal	
LH	B206	8	B216	12	Yes
RH	B317		B312		

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

climate controlled seat blower motor assembly			Ground	Continuity
Connector		Terminal		
LH	B206	8		No
RH	B317			

Is the inspection result normal?

YES >> Replace climate controlled seat control unit. Refer to SE-83, "Climate Controlled Seat Control Unit".
NO >> Repair or replace harness.

3. CHECK CLIMATE CONTROLLED SEAT BLOWER MOTOR SPEED CONTROL SIGNAL

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

(+)			(–)	Condition			Voltage (Approx.)
Climate controlled seat blower motor assembly							
Connector		Terminal					
LH	B206	7	Ground	Climate controlled seat switch	HEAT		5.5 - 8
					COOL	HI	11.2
						MID	8
						LO	6.5
					Other than above		0
RH	B317			Climate controlled seat switch	HEAT		5.5 - 8
					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

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

Climate controlled seat blower motor assembly			Climate controlled seat control unit		Continuity
Connector		Terminal	Connector	Terminal	
LH	B206	7	B216	4	Yes
RH	B317		B312		

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

Climate controlled seat blower motor assembly			Ground	Continuity
Connector		Terminal		
LH	B206	7		No
RH	B317			

Is the inspection result normal?

YES >> Replace climate controlled seat control unit. Refer to SE-83, "Climate Controlled Seat Control Unit".
NO >> Repair or replace harness.

5. CHECK CLIMATE CONTROLLED SEAT BLOWER MOTOR GROUND CIRCUIT

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

Climate controlled seat blower motor assembly			Climate controlled seat control unit		Continuity
Connector		Terminal	Connector	Terminal	
LH	B206	6	B216	20	Yes
RH	B317		B312		

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

climate controlled seat blower motor assembly			Ground	Continuity
Connector		Terminal		
LH	B206	6		No
RH	B317			

Is the inspection result normal?

YES >> Replace climate controlled seat blower motor assembly. Refer to SE-81, "Climate Controlled Seat Blower Assembly".

NO >> Repair or replace harness.

CLIMATE CONTROLLED SEAT SWITCH INDICATOR

Component Function Check

INFOID:0000000012372858

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-61, "Diagnosis Procedure".

Diagnosis Procedure

INFOID:0000000012372859

Regarding Wiring Diagram information, refer to SE-36, "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 (Approx.)
Climate controlled seat switch				Climate controlled seat switch	
Connector		Terminal			
LH	M262	8	Ground	HEAT mode	Battery voltage
				OFF	0
		9		COOL mode	Battery voltage
				OFF	0
RH	M263	5		HEAT mode	Battery voltage
				OFF	0
		4		COOL mode	Battery voltage
				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	
LH	M262	9	B216	9	Yes
		8		10	
RH	M263	4	B312	9	
		5		10	

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

Climate controlled seat switch			Ground	Continuity
Connector		Terminal		
LH	M262	9	Ground	No
		8		
RH	M263	8		
		5		

Is the inspection result normal?

YES >> Replace climate controlled seat control unit. Refer to SE-83, "Climate Controlled Seat Control Unit".

NO >> Repair or replace harness.

3. CHECK CLIMATE CONTROLLED SEAT SWITCH GROUND CIRCUIT

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

Climate controlled seat switch			Ground	Continuity
Connector		Terminal		
LH	M262	7	Ground	Yes
RH	M263	6		

Is the inspection result normal?

YES >> Replace climate controlled seat switch. Refer to SE-82, "Climate Controlled Seat Switch".

NO >> Repair or replace harness.

CLIMATE CONTROLLED SEAT BLOWER FILTER

Diagnosis Procedure

INFOID:0000000012372860

1.CHECK CLIMATE CONTROLLED SEAT BLOWER FILTER

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

Is the inspection result normal?

YES >> Inspection End.

NO >> Replace climate controlled seat blower filter. Refer to SE-81, "Climate Controlled Seat Blower Assembly".

SYMPTOM DIAGNOSIS

CLIMATE CONTROLLED SEAT SYSTEM

Symptom Table

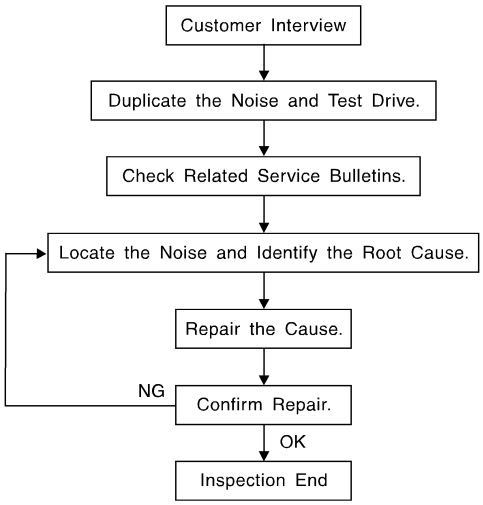
INFOID:0000000011932920

Symptom		Inspection item
Climate controlled seat inoperative.		Power supply and ground circuit Refer to SE-46, "CLIMATE CONTROLLED SEAT CONTROL UNIT : Diagnosis Procedure".
Climate controlled seat blower motor inoperative.		Climate controlled seat blower motor Refer to SE-58, "Diagnosis Procedure".
Seat cushion thermal electric device inoperative.		Seat cushion thermal electric device Refer to SE-50, "Diagnosis Procedure".
Seatback thermal electric device inoperative.		Seatback thermal electric device Refer to SE-50, "Diagnosis Procedure".
Climate controlled seat switch LO, MED or HI inoperative.		Climate controlled seat switch Refer to SE-61, "Diagnosis Procedure".
Climate controlled seat switch indicator inoperative.		Climate controlled seat switch indicator Refer to SE-61, "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: • Connectors for physical damage or loose terminals. • Seat cushion thermal electric device. Refer to SE-54, "Diagnosis Procedure". • Seatback thermal electric device. Refer to SE-50, "Diagnosis Procedure". • Climate controlled seat blower motor. Refer to SE-58, "Diagnosis Procedure".
	Climate controlled seat switch indicator turns off 30 seconds or more after turning on.	Malfunction caused by mechanical issue. Check the following: • Foam seat pads not aligned for thermal electric device outlet. • Thermal electric device ducting restricted or disconnected. • Climate controlled seat blower motor inlet restricted.

SQUEAK AND RATTLE TROUBLE DIAGNOSES

Work Flow

INFOID:0000000011932921



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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-69, "Diagnostic Worksheet". This information is necessary to duplicate the conditions that exist when the noise occurs.

- The customer may not be able to provide a detailed description or the location of the noise. Attempt to obtain all the facts and conditions that exist when the noise occurs (or does not occur).
- If there is more than one noise in the vehicle, be sure to diagnose and repair the noise that the customer is concerned about. This can be accomplished by test driving the vehicle with the customer.
- After identifying the type of noise, isolate the noise in terms of its characteristics. The noise characteristics are provided so the customer, service adviser and technician are all speaking the same language when defining the noise.
- Squeak —(Like tennis shoes on a clean floor)
  Squeak characteristics include the light contact/fast movement/brought on by road conditions/hard surfaces = higher pitch noise/softer surfaces = lower pitch noises/edge to surface = chirping.
- Creak—(Like walking on an old wooden floor)
  Creak characteristics include firm contact/slow movement/twisting with a rotational movement/pitch dependent on materials/often brought on by activity.
- Rattle—(Like shaking a baby rattle)
  Rattle characteristics include the fast repeated contact/vibration or similar movement/loose parts/missing clip or fastener/incorrect clearance.
- Knock —(Like a knock on a door)
  Knock characteristics include hollow sounding/sometimes repeating/often brought on by driver action.
- Tick—(Like a clock second hand)
  Tick characteristics include gentle contacting of light materials/loose components/can be caused by driver action or road conditions.
- Thump—(Heavy, muffled knock noise)
  Thump characteristics include softer knock/dead sound often brought on by activity.
- Buzz—(Like a bumble bee)
  Buzz characteristics include high frequency rattle/firm contact.
- Often the degree of acceptable noise level will vary depending upon the person. A noise that you may judge as acceptable may be very irritating to the customer.
- Weather conditions, especially humidity and temperature, may have a great effect on noise level.

DUPLICATE THE NOISE AND TEST DRIVE

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

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-66, "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-50397) is available through your authorized NISSAN Parts Department.

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

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

CONFIRM THE REPAIR

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

Generic Squeak and Rattle Troubleshooting

INFOID:0000000011932922

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-50397) to repair the noise.

TRUNK

Trunk noises are often caused by a loose jack or loose items put into the trunk by the owner.
In addition look for:

1. Trunk lid bumpers out of adjustment
2. Trunk lid striker out of adjustment
3. The trunk lid torsion bars knocking together
4. A loose license plate or bracket

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

SUNROOF/HEADLINING

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

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

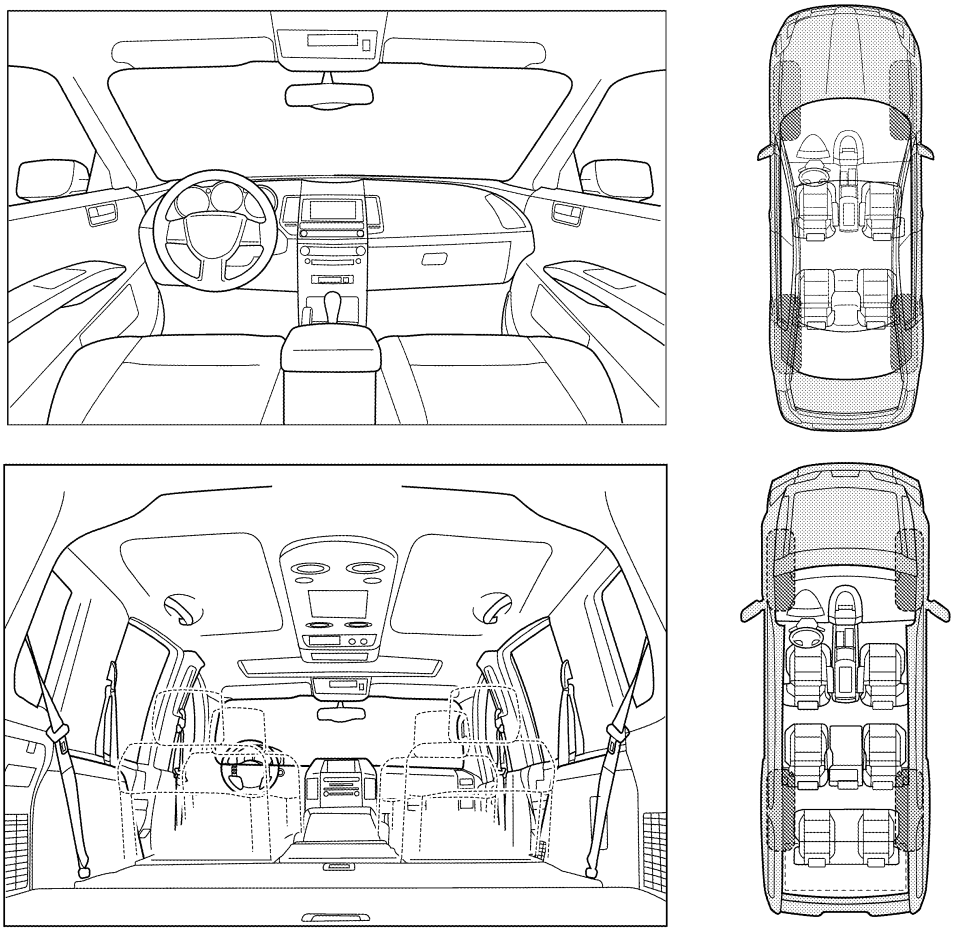
Diagnostic Worksheet

INFOID:0000000011932923

Dear Customer:
We are concerned about your satisfaction with your vehicle. Repairing a squeak or rattle sometimes can be very difficult. To help us fix your vehicle right the first time, please take a moment to note the area of the vehicle where the squeak or rattle occurs and under what conditions. You may be asked to take a test drive with a service advisor or technician to ensure we confirm the noise you are hearing.

SQUEAK & RATTLE DIAGNOSTIC WORKSHEET

I. WHERE DOES THE NOISE COME FROM? (circle the area of the vehicle)
The illustrations are for reference only, and may not reflect the actual configuration of your vehicle.



Continue to page 2 of the worksheet and briefly describe the location of the noise or rattle. In addition, please indicate the conditions which are present when the noise occurs.

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SQUEAK & RATTLE DIAGNOSTIC WORKSHEET - page 2

Briefly describe the location where the noise occurs:

_____

_____

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

- ☐ Anytime
- ☐ 1st time in the morning
- ☐ Only when it is cold outside
- ☐ Only when it is hot outside
- ☐ After sitting out in the rain
- ☐ When it is raining or wet
- ☐ Dry or dusty conditions
- ☐ 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	☐	☐	_____
- Noise verified on test drive	☐	☐	_____
- Noise source located and repaired	☐	☐	_____
- Follow up test drive performed to confirm repair	☐	☐	_____

VIN: _____ Customer Name _____

W.O.# _____ Date: _____

This form must be attached to Work Order

LAIA0071E

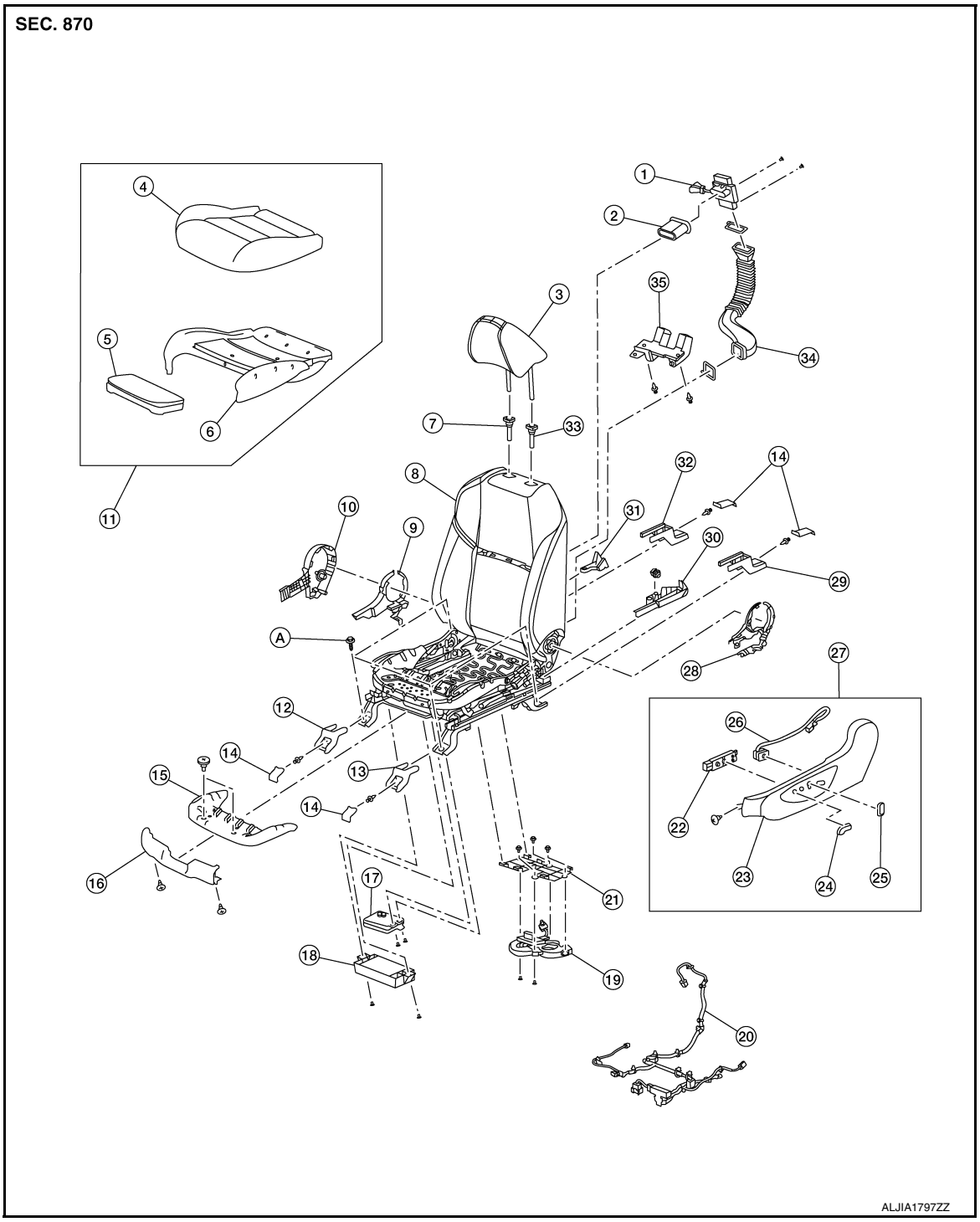
REMOVAL AND INSTALLATION

FRONT SEAT

Exploded View

INFOID:0000000011932930

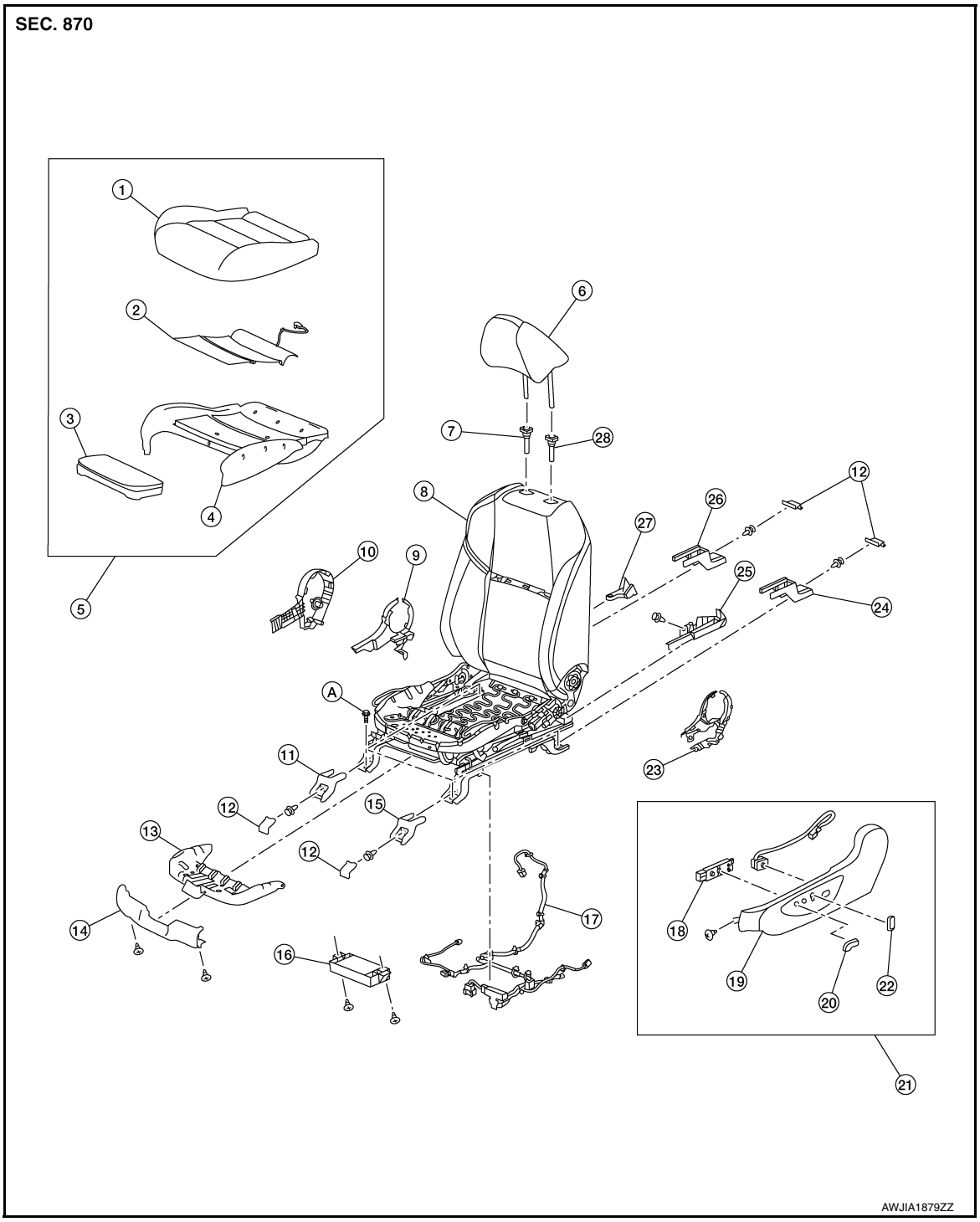
Driver Seat - With Climate Controlled Seats



1. Seatback thermal electric device
2. Thermal electric device nozzle
3. Headrest
4. Seat cushion trim
5. Thigh extension pad
6. Seat cushion pad
7. Headrest holder (free)
8. Seat frame assembly
9. Seat cushion inner finisher (RH)

10. Seat cushion outer finisher (RH)
11. Seat cushion assembly
12. Front leg finisher (inner)
13. Front leg finisher (outer)
14. Front seat leg finisher cover
15. Thigh extension bracket
16. Seat cushion front finisher
17. Climate controlled seat control unit
18. Driver seat control unit
19. Climate controlled seat blower assembly
20. Seat harness
21. Climate controlled seat blower assembly bracket
22. Power seat switch
23. Seat cushion outer finisher (RH)
24. Seat slide knob
25. Seat recline knob
26. Lumbar support switch
27. Seat cushion outer finisher assembly (LH)
28. Seat cushion inner finisher (LH)
29. Rear leg finisher (outer)
30. Slide finisher outer (LH)
31. Seat finisher inner (RH)
32. Rear leg finisher (inner)
33. Headrest holder (locked)
34. Blower duct
35. Blower duct guide
A. Refer to INSTALLATION.

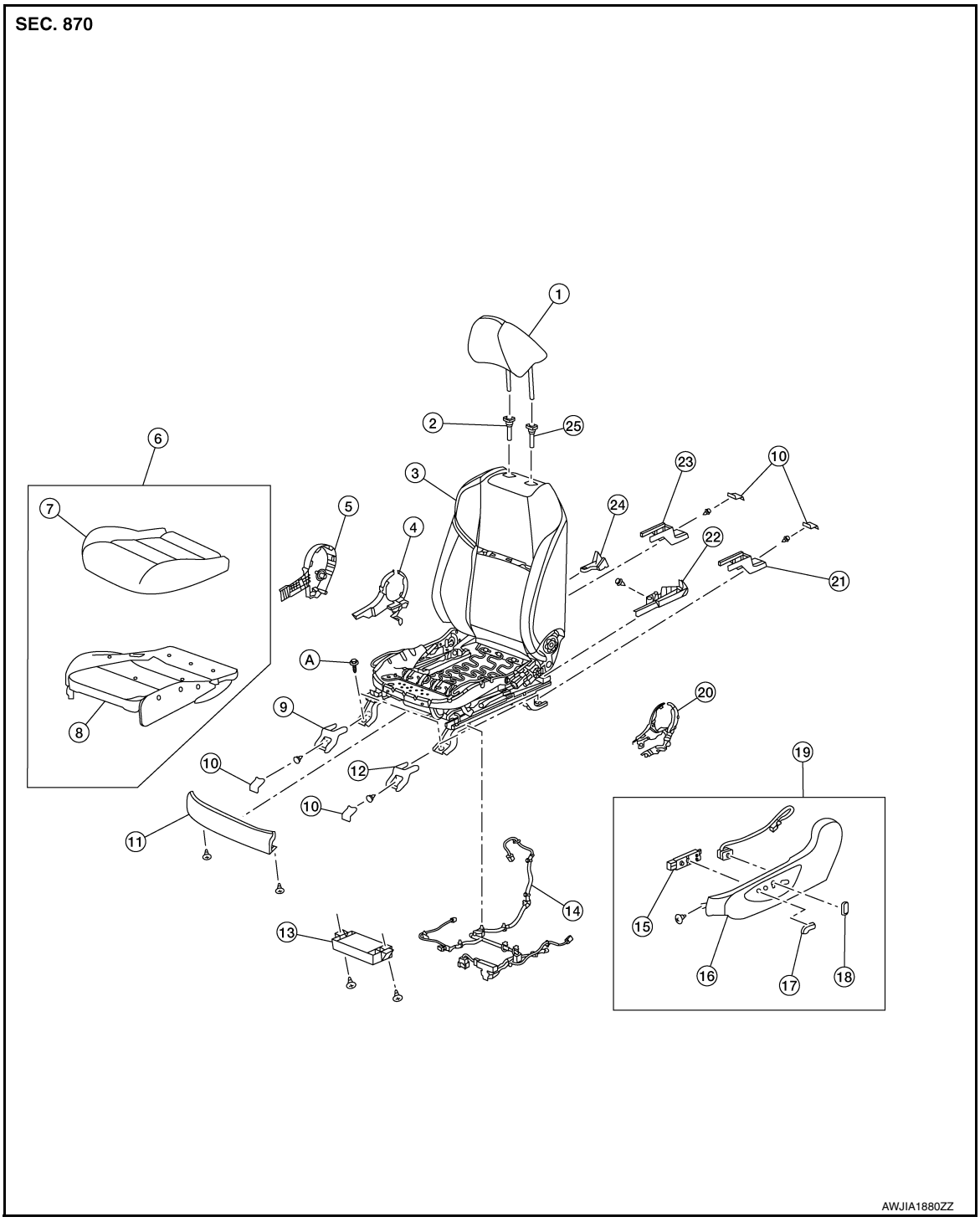
Driver Seat - With Heated Seats



1. Seat cushion trim
2. Front seat heater
3. Thigh extension pad
4. Seat cushion pad
5. Seat cushion assembly
6. Headrest
7. Headrest holder (free)
8. Seat frame assembly
9. Seat cushion inner finisher (RH)
10. Seat cushion outer finisher (RH)
11. Front leg finisher (inner)
12. Front seat leg finisher cover
13. Thigh extension bracket
14. Seat cushion front finisher
15. Front leg finisher (outer)
16. Driver seat control unit
17. Seat harness
18. Power seat switch
19. Seat cushion outer finisher (LH)
20. Seat slide knob
21. Seat recline knob
22. Seat cushion outer finisher assembly (LH)
23. Seat cushion inner finisher (LH)
24. Rear leg finisher (outer)

25. Slide finisher outer (LH)
26. Rear leg finisher (inner)
27. Slide finisher inner (RH)
28. Headrest holder (locked)
A. Refer to INSTALLATION.

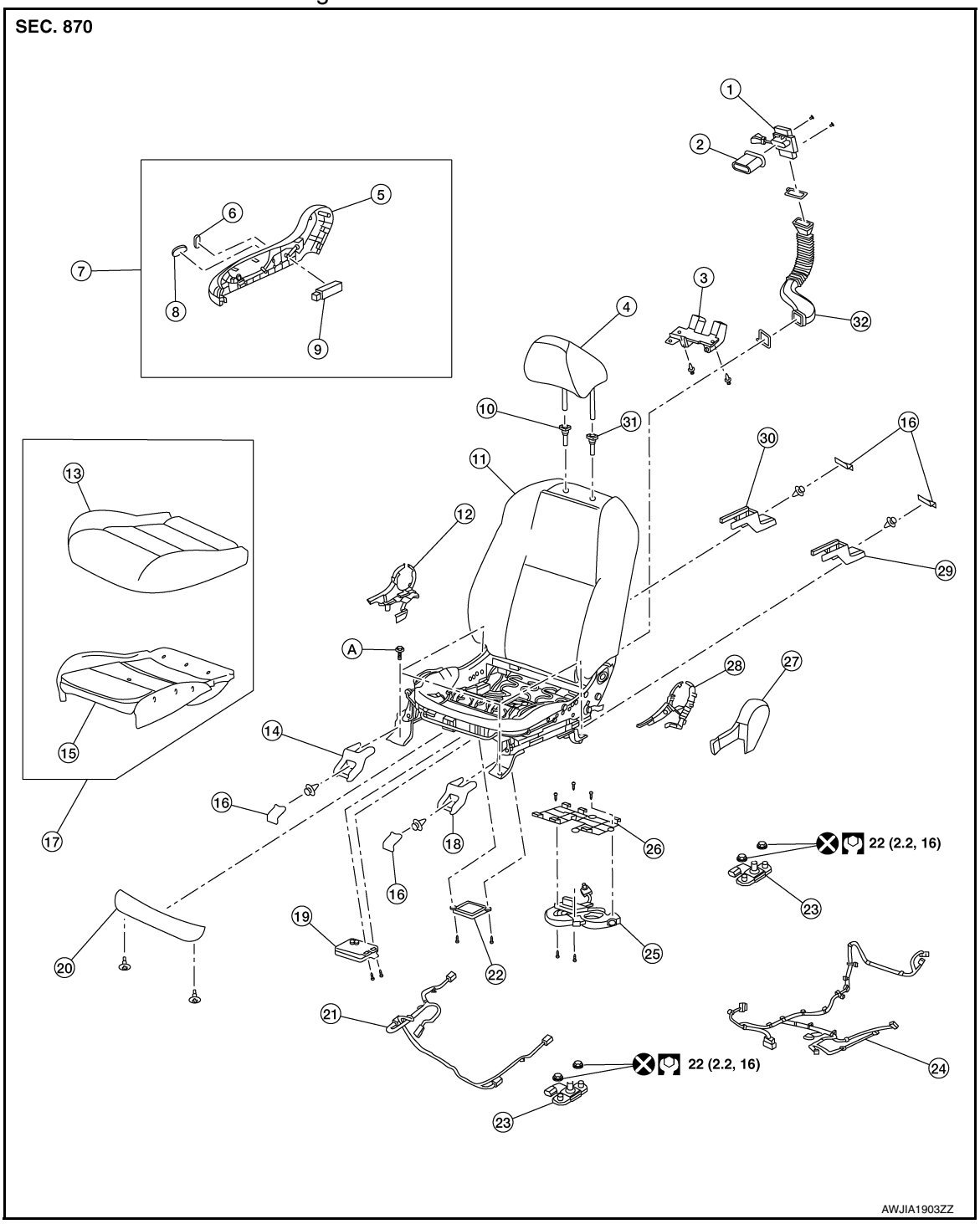
Driver Seat - Without Heated Seats



1. Headrest
2. Headrest holder (free)
3. Seat frame assembly
4. Seat cushion inner finisher (RH)
5. Seat cushion outer finisher (RH)
6. Seat cushion assembly
7. Seat cushion trim
8. Seat cushion pad
9. Front leg finisher (outer)
10. Front seat leg finisher cover
11. Seat cushion front finisher
12. Front leg finisher (inner)
13. Driver seat control unit
14. Seat harness
15. Power seat switch
16. Seat cushion outer finisher (LH)
17. Seat slide knob
18. Seat recline knob

19. Lumbar support switch
20. Seat cushion inner finisher (LH)
21. Rear leg finisher (outer)
22. Slide finisher outer (LH)
23. Rear leg finisher (inner)
24. Slide finisher inner (RH)
25. Headrest holder (locked)
A. Refer to INSTALLATION.

Passenger Seat - With Climate Controlled Seat

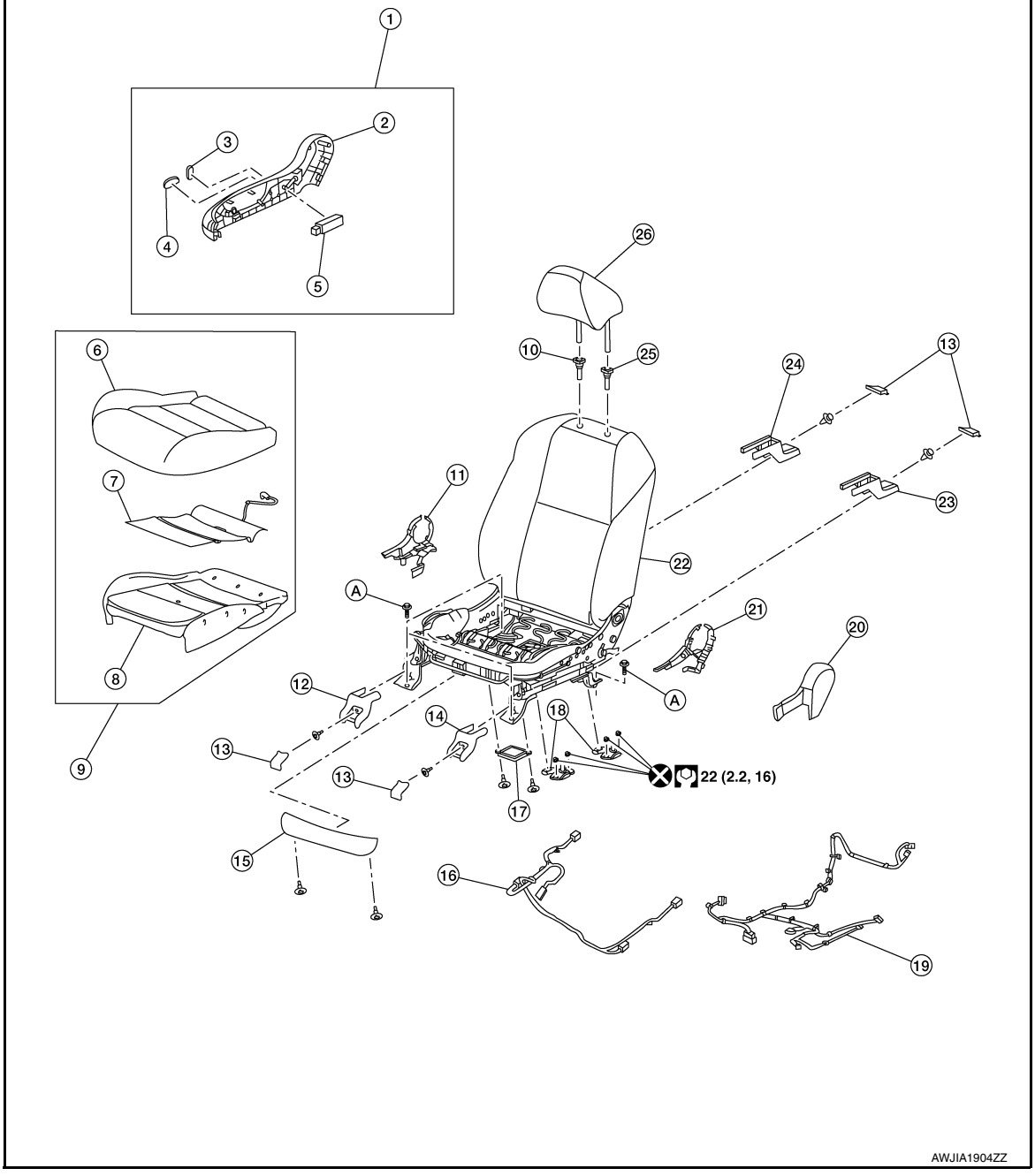


1. Seatback thermal electric device
2. Thermal electric device nozzle
3. Blower duct guide
4. Headrest
5. Seat cushion outer finisher (RH)
6. Seat recline knob
7. Seat cushion outer finisher (RH) assembly
8. Seat slide knob
9. Power seat switch
10. Headrest holder (free)
11. Seat frame assembly
12. Seat cushion inner finisher (RH)

13.	Seat cushion trim	14.	Front leg finisher (outer)	15.	Seat cushion pad
16	Front seat leg finisher cover	17.	Seat cushion assembly	18.	Front leg finisher (inner)
19.	Climate controlled seat control unit	20.	Seat cushion front finisher	21.	Occupant classification system seat harness
22.	Occupant classification system control unit	23.	Occupant classification system sensor	24.	Seat harness
25.	Climate controlled seat blower assembly	26.	Climate controlled seat blower assembly bracket	27.	Seat cushion outer finisher (LH)
28.	Seat cushion inner finisher (LH)	29.	Rear leg finisher (inner)	30.	Rear leg finisher (outer)
31.	Headrest holder (locked)	32.	Blower duct	A.	Refer to INSTALLATION.

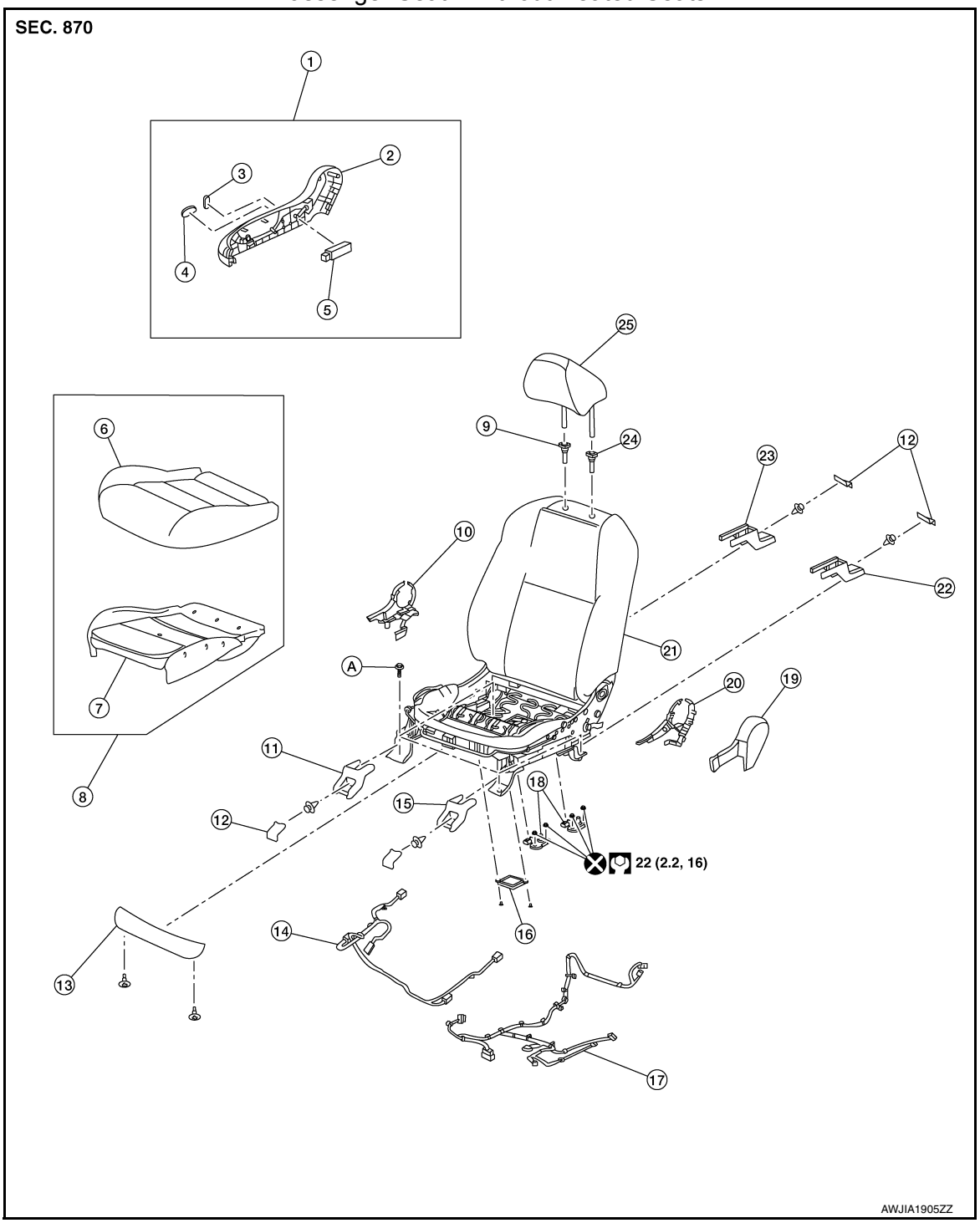
Passenger Seat - With Heated Seats

SEC. 870



1. Seat cushion outer finisher assembly	2. Seat cushion outer finisher (RH)	3. Seat recline knob
4. Seat slide knob	5. Power seat switch	6. Seat cushion trim
7. Front seat heater	8. Seat cushion pad	9. Seat cushion assembly
10. Headrest holder (free)	11. Seat cushion inner finisher (RH)	12. Front leg finisher (outer)
13. Front seat leg finisher cover	14. Front leg finisher (inner)	15. Seat cushion front finisher
16. Occupant classification system harness	17. Occupant classification system control unit	18. Occupant classification system sensor
19. Seat harness	20. Seat cushion outer finisher (LH)	21. Seat cushion inner finisher (LH)
22. Seat frame assembly	23. Rear leg finisher (inner)	24. Rear leg finisher (outer)
25. Headrest holder (locked)	26. Headrest	A. Refer to INSTALLATION.

Passenger Seat - Without Heated Seats



1. Seat cushion outer finisher assembly
2. Seat cushion outer finisher (RH)
3. Seat recline knob
4. Seat slide knob
5. Power seat switch
6. Seat cushion trim
7. Seat cushion pad
8. Seat cushion assembly
9. Headrest holder (free)
10. Seat cushion outer finisher (RH)
11. Front leg finisher (outer)
12. Front seat leg finisher cover
13. Seat cushion front finisher
14. Occupant classification system harness
15. Front leg finisher (inner)
16. Occupant classification system control unit
17. Seat harness
18. Occupant classification system sensor
19. Seat cushion outer finisher (LH)
20. Seat cushion inner finisher (LH)
21. Seat frame assembly

22. Rear leg finisher (inner) 23. Rear leg finisher (outer) 24. Headrest holder (locked)
25. Headrest A. Refer to INSTALLATION.

Removal and Installation

INFOID:0000000011932931

REMOVAL

WARNING:

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

CAUTION:

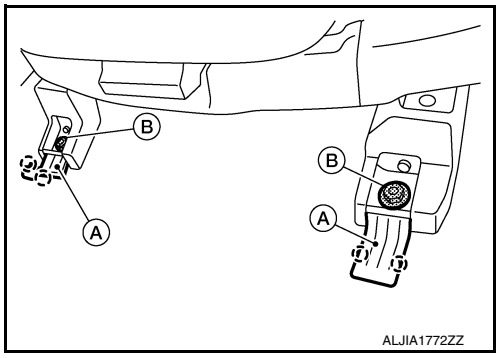
- **When removing or installing seat trim, handle it carefully to keep dirt out and to avoid damage.**
- **When checking power seat circuit for continuity using a circuit tester, do not confuse its connector with side air bag module connector. Such an error may cause air bag module to deploy.**
- **Do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

1. Slide seat to the full rearward position.
2. Disconnect negative and positive battery terminals, then wait at least three minutes. Refer to PG-101, "Exploded View".
3. Disconnect harness connectors from front seat assembly.
4. Remove front seat front bolts using the following procedure:

a. Release pawls and position front leg finisher covers (A) as shown.

: Pawl

b. Remove front seat front bolts (B).

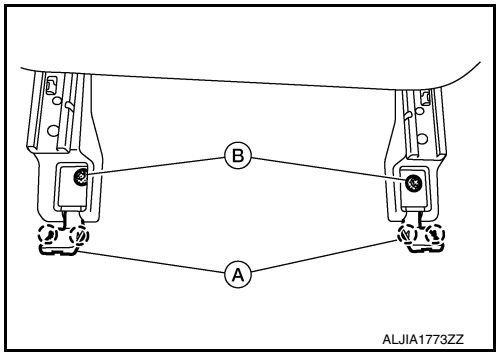


5. Connect negative and positive battery terminals, then slide seat to the full forward position. Refer to PG-101, "Exploded View".
6. Disconnect negative and positive battery terminals, then wait at least three minutes. Refer to PG-101, "Exploded View".
7. Remove front seat rear bolts using the following procedure:

a. Release pawls and position rear leg finisher covers (A) as shown.

: Pawl

b. Remove front seat rear bolts (B).



8. Remove front 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-39, "ZERO POINT RESET : Description".**
- **Zero point reset must be performed every time front passenger seat is removed from vehicle.**
- **Zero point reset is done after front passenger seat is installed in vehicle and all bolts are tightened to specification.**

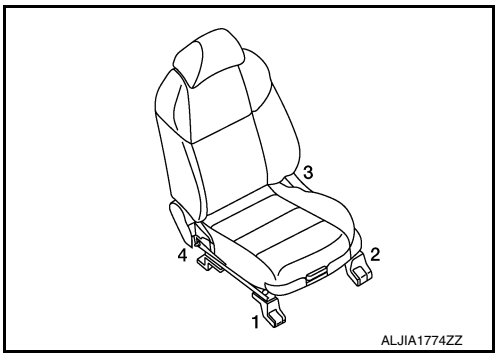
CAUTION:

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

NOTE:

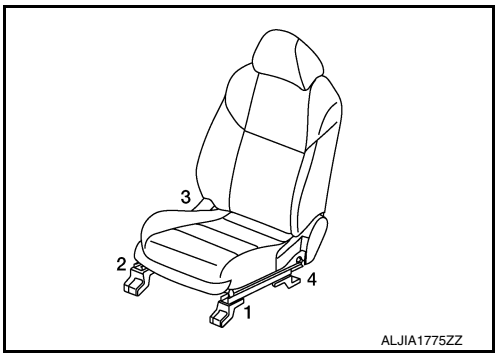
- When installing front seat (LH), hand-tighten bolt (1), then bolt (2) and tighten in the order shown.
- Tighten bolts to specification.

LH front seat bolt torque : 49 Nm (5.0 kg-m, 36 ft-lb)



- When installing front seat (RH), hand-tighten bolt (1), then bolt (2) and tighten in the order shown.
- Tighten bolts to specification.

RH front seat bolt torque : 49 Nm (5.0 kg-m, 36 ft-lb)



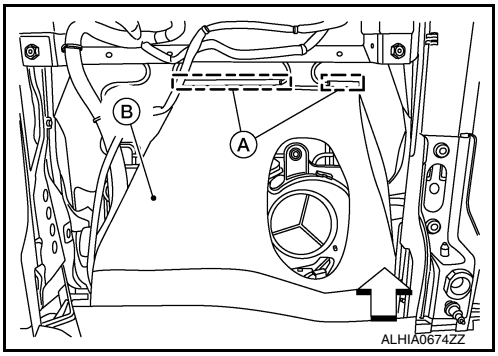
Seatback Thermal Electric Device

INFOID:0000000012326206

REMOVAL

1. Remove front seat. Refer to SE-79, "Removal and Installation" (driver side) or SE-79, "Removal and Installation" (passenger side).
2. From under the rear of the front passenger seat, release the seatback J-hooks (A) and position seatback flap (B) aside.

⇦ : Front



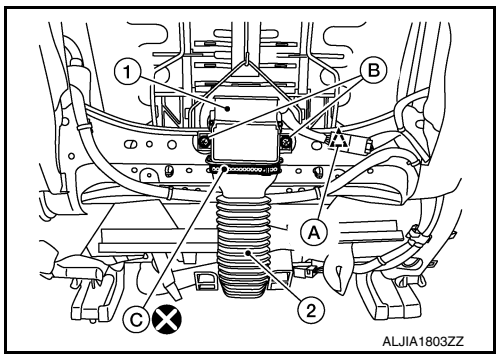
3. Release seatback J-hooks, then release seatback zippers (RH/LH) and position seatback trim aside.
4. Remove seatback thermal electric device using the following procedure:

a. Disconnect harness connector (A) and release clip from seat frame.

: Clip

b. Remove screws (B) and tie strap (C), then remove seatback thermal electric device (1) from upper blower duct (2) and seat frame.

CAUTION:
Do not reuse tie strap; new tie strap must be used for installation.



INSTALLATION

Installation is in the reverse order of removal.

CAUTION:
Do not reuse tie strap; new tie strap must be used for installation.

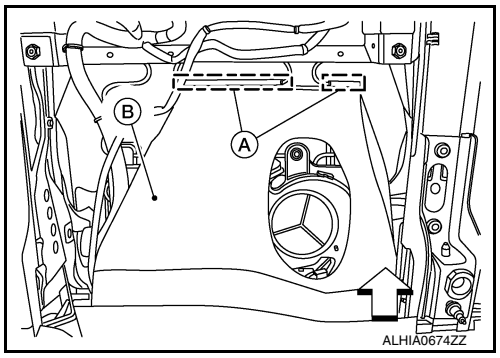
Climate Controlled Seat Blower Assembly

INFOID:0000000012326207

REMOVAL

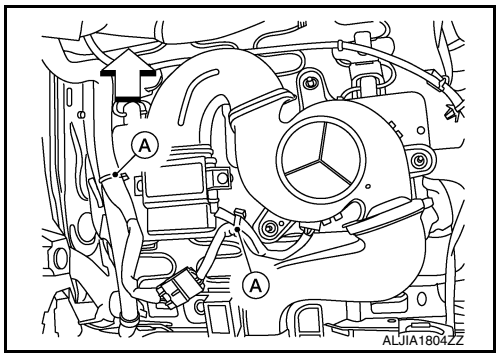
1. Remove front seat. Refer to SE-79, "Removal and Installation" (driver side) or SE-79, "Removal and Installation" (passenger side).
2. From under the rear of the front passenger seat, release the seatback J-hooks (A) and position seatback flap (B) aside.

: Front



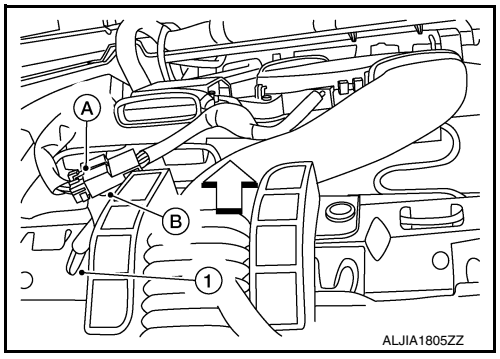
3. Release harness clips (A) from bracket.

: Front



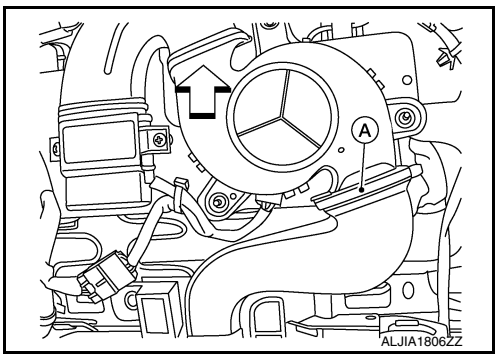
4. Disconnect harness connector (A) and release harness clip (B) from seat frame (1).

: Front



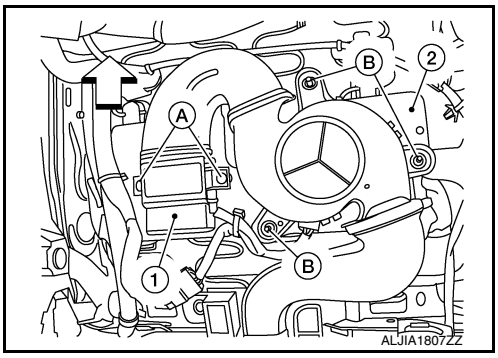
5. Remove tie strap (A) from seatback angle duct.
CAUTION:
Do not reuse tie strap; new tie strap must be used for installation.

⇦ : Front



6. Release bracket pawls and remove bracket and climate controlled seat blower assembly from seat frame.
7. Remove screws (A) from climate controlled seat blower assembly (1) and screws (B) from bracket (2), then remove climate controlled seat blower assembly (1).

⇦ : Front



INSTALLATION

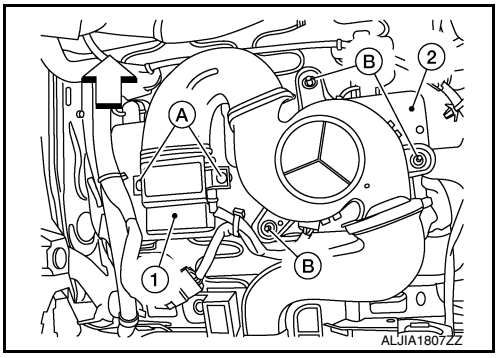
Installation is in the reverse order of removal.

CAUTION:
Do not reuse tie strap; new tie strap must be used for installation.

- Tighten screws (A) from climate controlled seat blower assembly (1) and screws (B) from bracket (2), then remove climate controlled seat blower assembly (1).

(A)	**8–32 x 5/8 Screw**	**: 0.5 Nm (0.05 kg-m, 4 in-lb)**
(B)	**M4x10mm Screw**	**: Hand tighten**

⇦ : Front

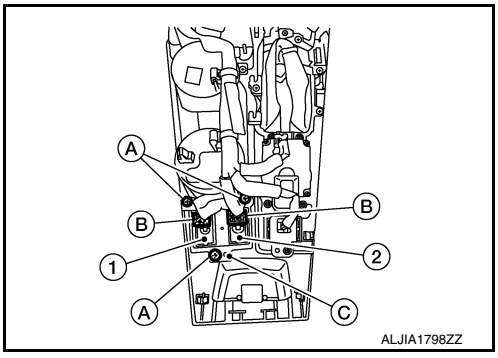


Climate Controlled Seat Switch

INFOID:0000000012326208

REMOVAL

1. Remove shift selector knob. Refer to TM-185, "Removal and Installation".
2. Remove shift selector finisher. Refer to IP-20, "Exploded View".
3. Disconnect harness connectors (B) from climate controlled seat switch (1,2) then remove screws (A).
4. Remove switch carrier (C) then release pawls and remove climate controlled seat switch (1,2) from switch carrier (C).



INSTALLATION

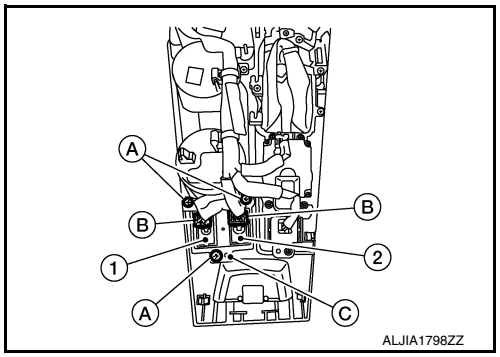
Installation is in the reverse order of removal.

Front Heated Seat Switch

INFOID:0000000012326210

REMOVAL

1. Remove shift selector knob. Refer to TM-185, "Removal and Installation".
2. Remove shift selector finisher. Refer to IP-20, "Exploded View".
3. Disconnect harness connectors (B) from heated seat switch (1,2) then remove screws (A).
4. Remove switch carrier (C) then release pawls and remove heated seat switch (1,2) from switch carrier (C).



INSTALLATION

Installation is in the reverse order of removal.

Front Seat Heater

INFOID:0000000012326211

REMOVAL

1. Remove seat cushion pad. Refer to SE-99, "DRIVER SIDE : Seat Cushion" (driver side) or SE-108, "PASSENGER SIDE : Seat Cushion" (passenger side).
2. Carefully remove front seat heater from seat cushion pad.
   CAUTION:
   - **Carefully remove seat heater from seat cushion pad.**
   - **Do not damage seat cushion pad when removing seat heater, if damaged replace seat cushion pad.**

INSTALLATION

1. Peel protective backing from front seat heater and attach to seat cushion pad.
2. Secure front seat heater harness to seat cushion frame.
3. Install remaining seat cushion components. Refer to SE-99, "DRIVER SIDE : Seat Cushion" (driver side) or SE-108, "PASSENGER SIDE : Seat Cushion" (passenger side).

Climate Controlled Seat Control Unit

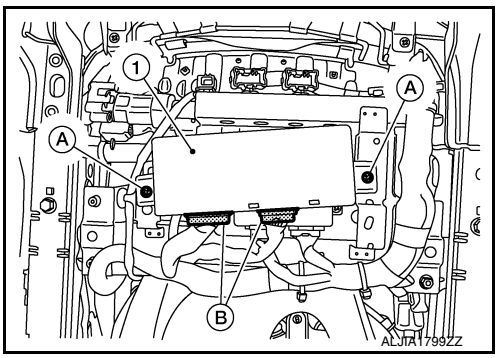
INFOID:0000000012326209

REMOVAL

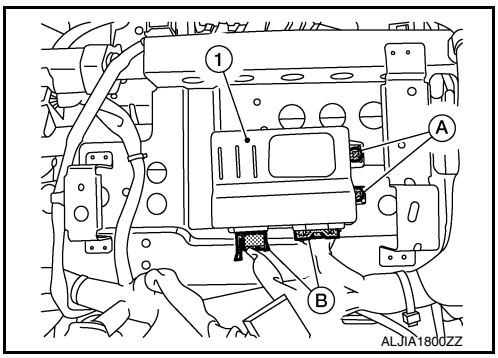
1. Remove front seat. Refer to SE-79, "Removal and Installation" (driver side) or SE-79, "Removal and Installation" (passenger side).
2. Remove climate controlled seat control unit using the following procedure:

a. For driver seat, perform the following steps:

i. Remove screws (A), then disconnect harness connectors (B) and remove driver seat control unit (1).

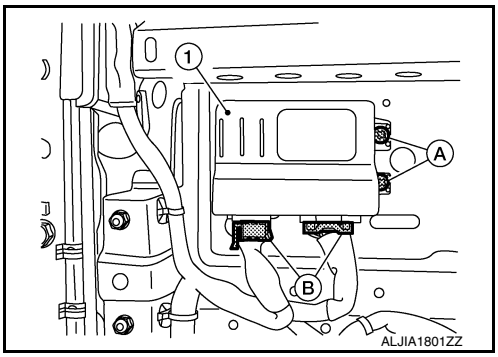


ii. Remove screws (A), then disconnect harness connectors (B) and remove climate controlled seat control unit (1).



b. For passenger seat, perform the following steps:

i. Remove screws (A), then disconnect harness connectors (B) and remove climate controlled seat control unit (1).



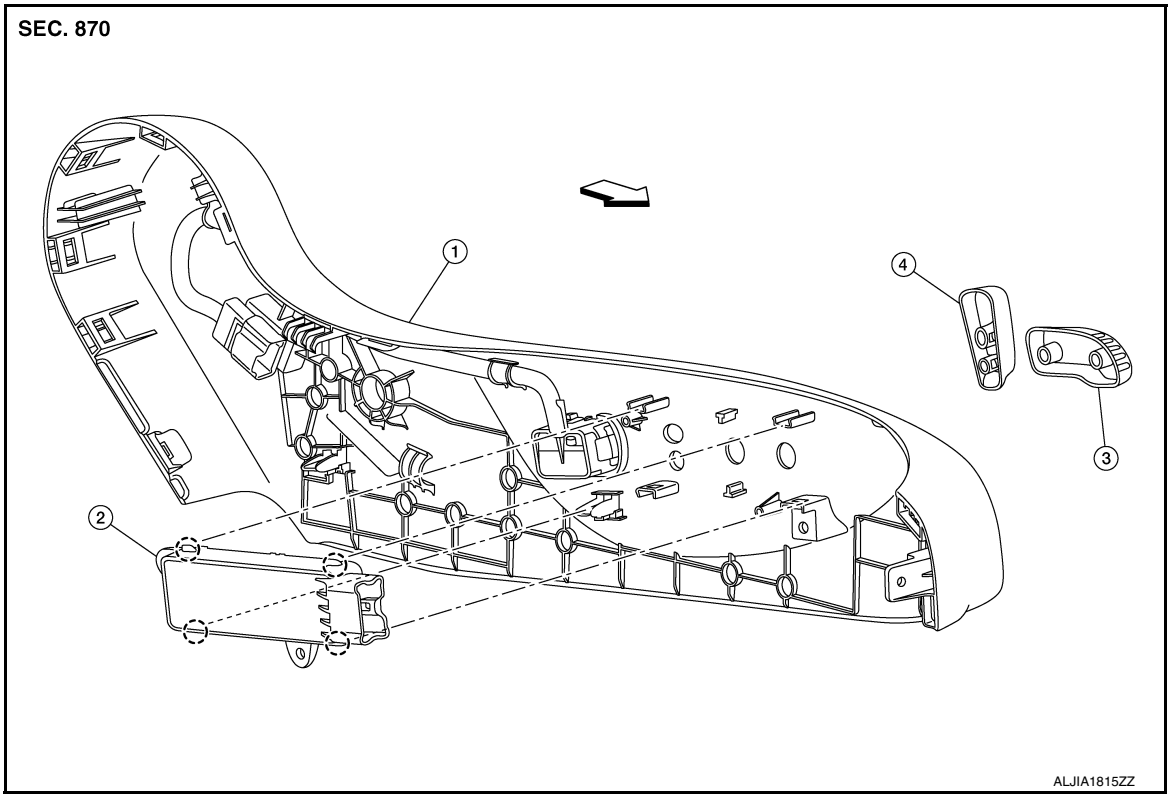
INSTALLATION

Installation is in the reverse order of removal.

Power Seat Switch

INFOID:0000000012326212

EXPLODED VIEW

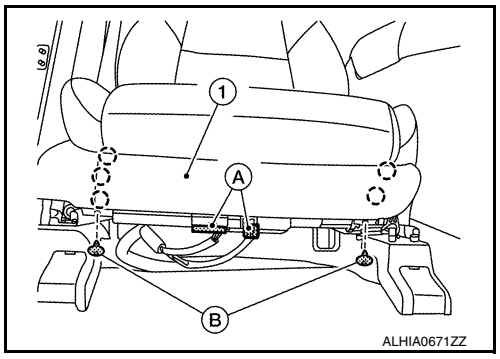


1. Seat cushion outer finisher
2. Power seat switch
3. Slide knob
4. Recline knob
- Pawl
- Front

REMOVAL

NOTE:
LH shown, RH similar.

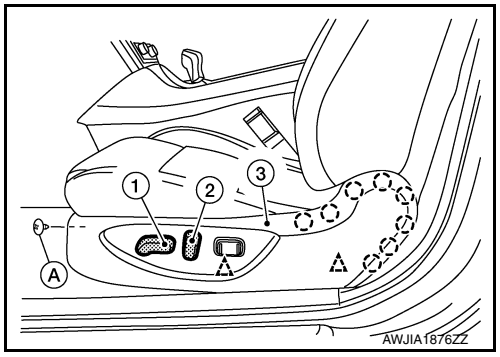
1. Remove front seat assembly. Refer to SE-79, "Removal and Installation".
2. Remove front finisher screws (B), release pawls and remove seat front finisher (1).



(A) : Harness connector
: Pawl

3. Remove the seat cushion outer finisher (LH) using the following procedure:

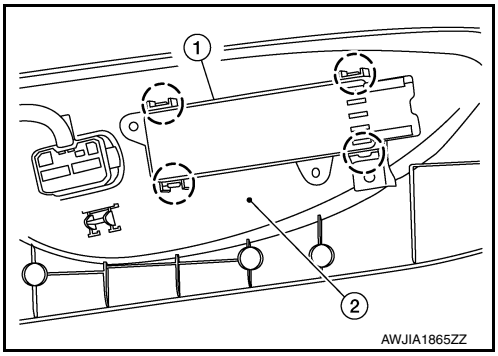
a. Using a suitable tool, remove seat slide knob (1) and seat recline knob (2).
b. Remove screw (A), then release clips and pawls and remove seat cushion outer finisher [LH (3)].



: Pawl
: Clip

4. Release pawls and remove power seat switch, then disconnect harness connector from power seat switch.

: Pawls



INSTALLATION

Installation is in the reverse order of removal.

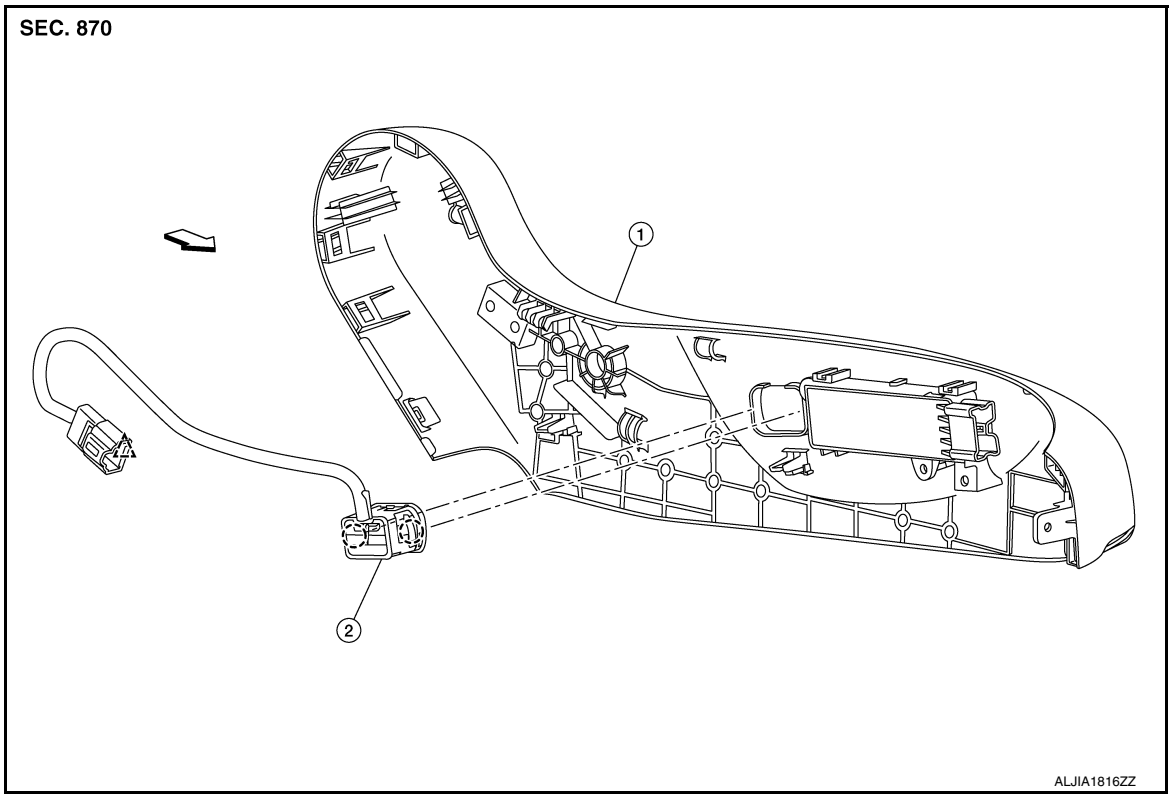
CAUTION:

- **Visually check clips for deformation and damage during installation. Replace with new ones if necessary.**
- **When installing seat cushion outer finisher (LH) and seat front finisher, check that clips are securely placed into seat cushion frame holes.**

Lumbar Support Switch

INFOID:0000000012326213

EXPLODED VIEW

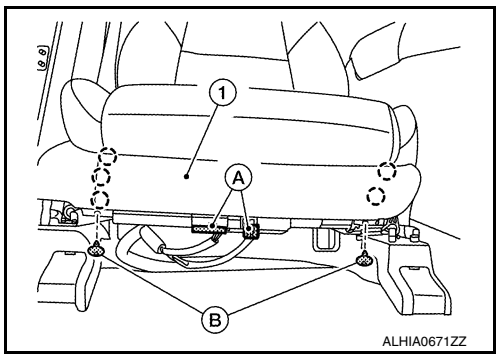


1. Seat cushion outer finisher
2. Lumbar support switch
: Pawl
: Clip
: Front

REMOVAL

1. Remove front seat assembly. Refer to SE-79, "Removal and Installation".

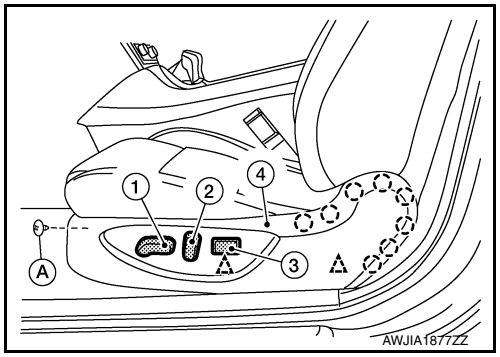
2. Remove front finisher screws (B), release pawls and remove seat front finisher (1).



(A) : Harness connector
◌ : Pawl

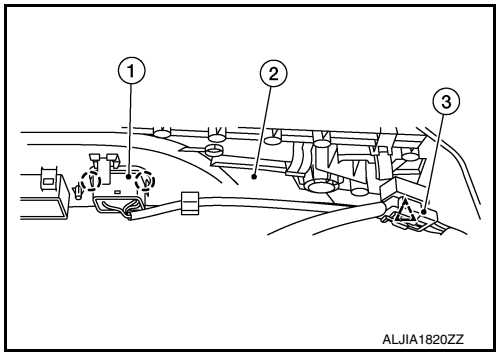
3. Remove the seat cushion outer finisher (LH) from the front driver seat using the following procedure:

a. Using a suitable tool remove seat slide knob (1) and seat recline knob (2).
b. Remove screw (A), then release clips and pawls and remove seat cushion outer finisher [LH (4)].



(3) : Lumbar support switch
◌ : Pawl
△ : Clip

4. Disconnect the harness connector (3) from the lumbar support switch (1).
5. Release the harness connector clip, then release pawls and remove lumbar support switch (1) through front of seat cushion outer finisher [LH(2)].



◌ : Pawl
△ : Clip

INSTALLATION

Installation is in the reverse order of removal.

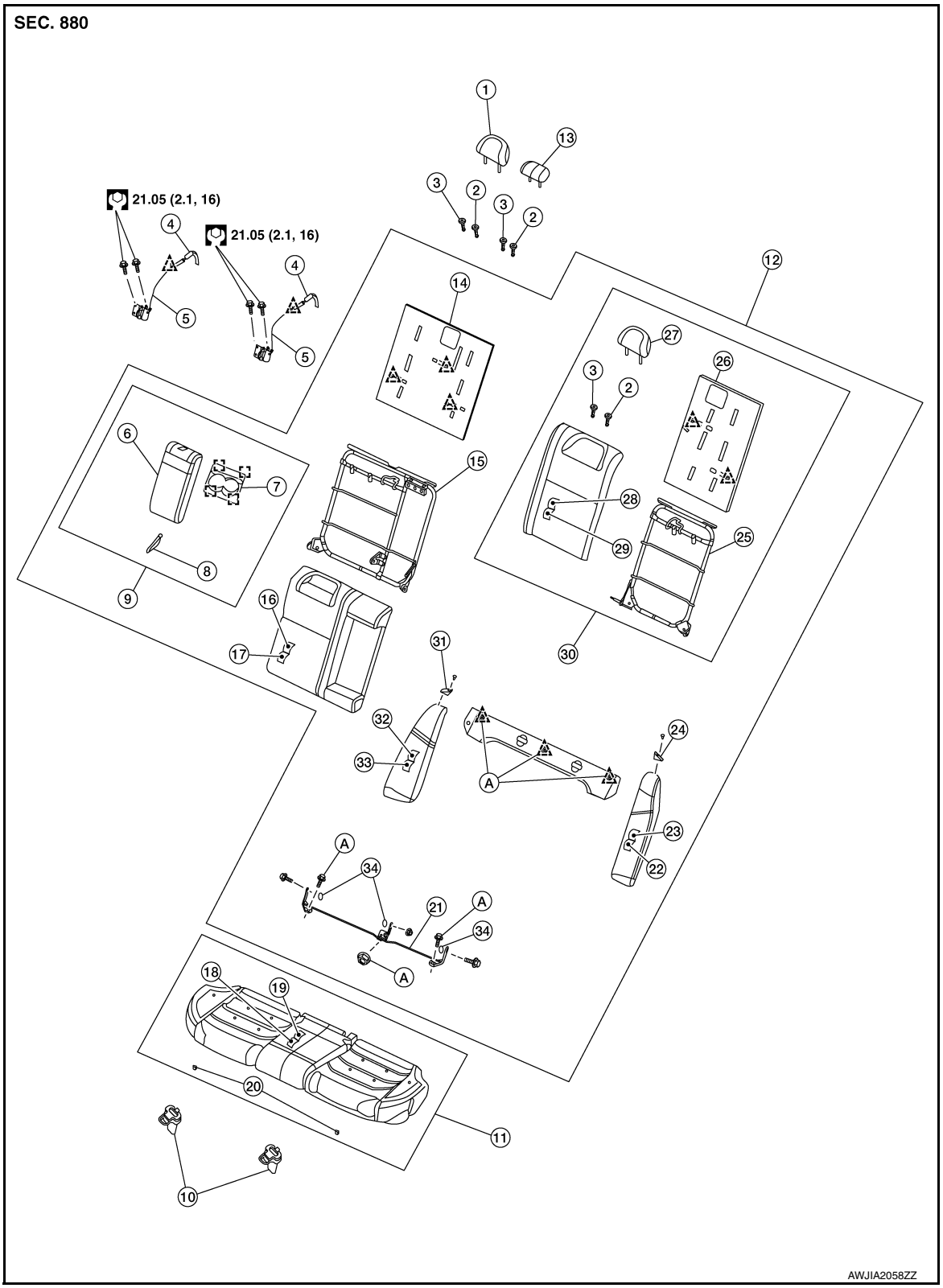
CAUTION:

- **Visually check clips and pawls for deformation and damage during installation. Replace with new ones if necessary.**
- **When installing seat cushion outer finisher (LH) and seat front finisher, check that clips are securely placed into seat cushion frame holes.**

REAR SEAT

Exploded View

INFOID:0000000011932935



1. Headrest (RH)
2. Headrest holder (locked)
3. Headrest holder (free)
4. Seatback latch strap
5. Seatback latch
6. Armrest
7. Cup holder
8. Armrest finisher
9. Armrest assembly
10. Seat cushion lock
11. Seat cushion assembly
12. Seatback assembly
13. Headrest (center)
14. Seatback board (RH)
15. Seatback frame (RH)
16. Seatback trim (RH)
17. Seatback pad (RH)
18. Seat cushion pad
19. Seat cushion trim
20. Seat cushion wire cover
21. Seatback hinge assembly
22. Side bolster pad (LH)
23. Side bolster trim (LH)
24. Seat belt guide (LH)
25. Seatback frame (LH)
26. Seatback trim (LH)
27. Headrest (LH)
28. Seatback trim (LH)
29. Seatback pad (LH)
30. Seatback (LH)
31. Seat belt guide (RH)
32. Seat bolster trim (RH)
33. Side bolster pad (RH)
34. Grommet
A. Refer to INSTALLATION.
Clip
Metal clip

Removal and Installation

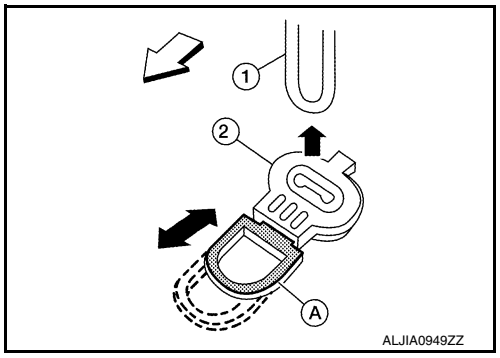
INFOID:0000000011932936

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

SEAT CUSHION ASSEMBLY

Removal

1. Locate the seat cushion lock (2) at the front bottom of the seat cushion assembly (one for each side). Pull the release lever (A) forward and lift the seat cushion assembly upward to release the seat cushion wire (1) from the seat cushion lock (2).



⇦ : Front

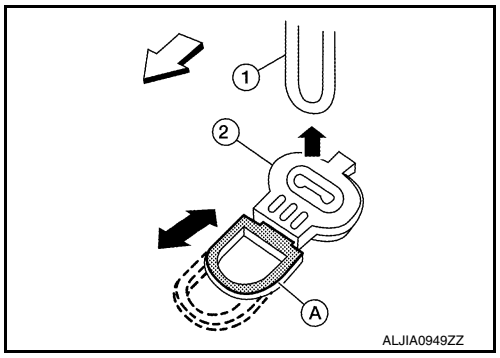
2. Then pull the seat cushion assembly forward and up to remove.

Installation
Installation is in the reverse order of removal.

SEATBACK

Removal

1. Locate the seat cushion lock (2) at the front bottom of the seat cushion assembly (one for each side). Pull the release lever (A) forward and lift the seat cushion assembly upward to release the seat cushion wire (1) from the seat cushion lock (2).

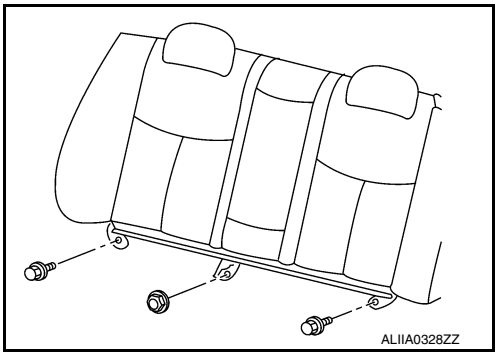


⇦ : Front

2. Then pull the seat cushion assembly forward and up to remove.

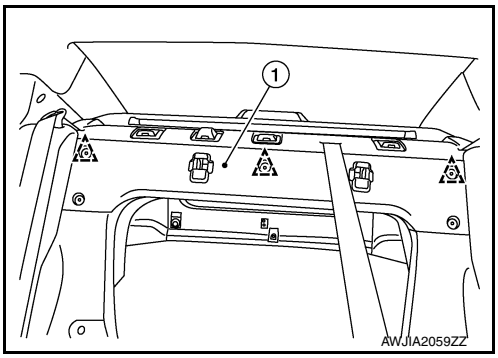
3. With the seatbacks (LH/RH) locked in the upright position, perform the following step.

a. Remove the seatback hinge assembly bolts and nut.



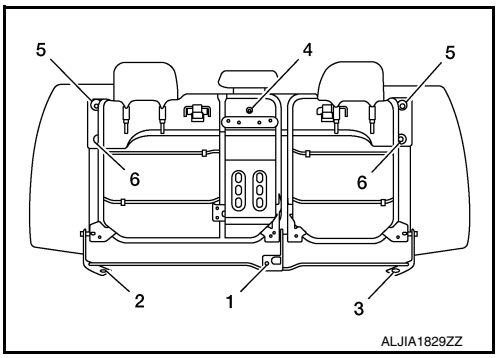
4. Fold seatbacks (LH/RH) forward.
5. Release clips and route seat belt buckle through the seatback assembly (1), then remove seatback assembly (1).

: Clip



Installation
Installation is in the reverse order of removal.
NOTE:
When installing seatback assembly, note the following installation sequence.

Step 1	**M10 nut**	**No. 1**	**Temporarily tighten**
Step 2	**M8 bolts**	**No. 2, 3**	**Temporarily tighten**
Step 3	**Clip**	**No. 4, 5, 6**	**Install**
Step 4	**M10 nut**	**No. 1**	**49 N·m (5.0 kg-m, 36 ft-lb)**
Step 5	**M8 bolts**	**No. 2, 3**	**21.05 N·m (2.1 kg-m, 16 ft-lb)**



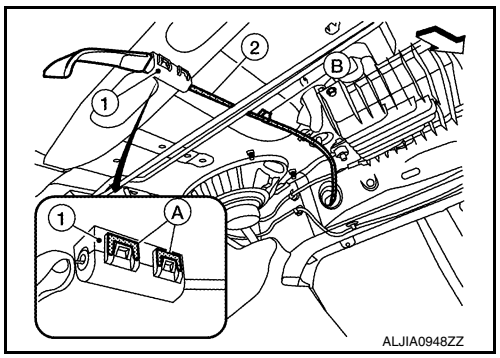
Removal and Installation - Seatback Latch Assembly

INFOID:0000000012379171

REMOVAL

1. Remove the rear parcel shelf finisher. Refer to INT-40, "Removal and Installation".

2. From trunk area, release pawls (A) to open cable guide (1).
3. Unclip latch cable (2) at location (B).
   ⇦: Front
   NOTE:
   LH shown; RH similar.



4. Remove two seatback latch assembly bolts and the seatback latch assembly.

INSTALLATION

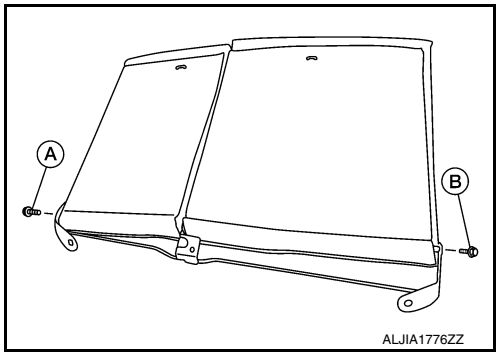
Installation is in the reverse order of removal.

Removal and Installation - Seatback Hinge

INFOID:0000000012379174

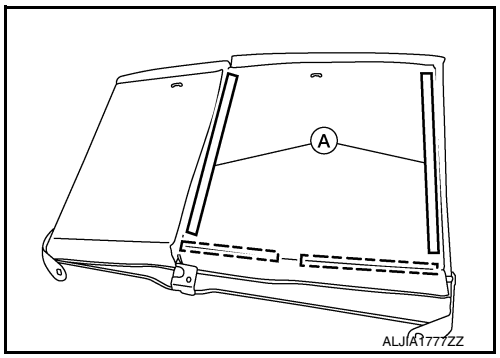
REMOVAL

1. Remove the rear seatback assembly. Refer to SE-89, "Removal and Installation".
2. Remove rear seatback hinge assembly bolts (A/B).

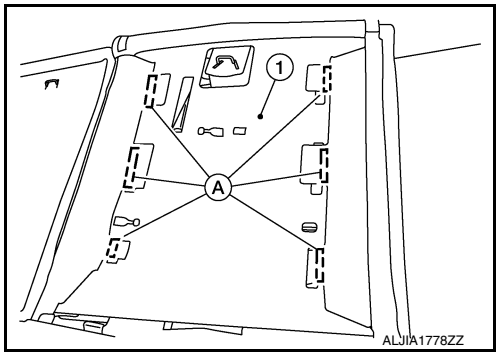


3. Release rear RH seatback flap J-hooks, then release hook and loop fasteners (A) then place seatback flap aside.

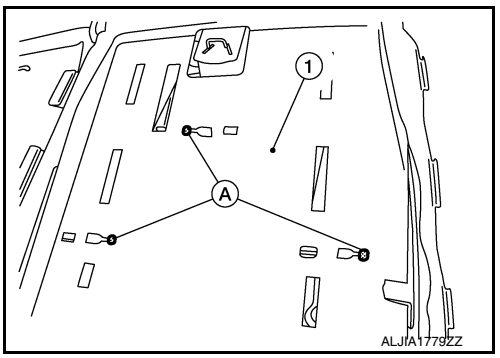
   : J-hook



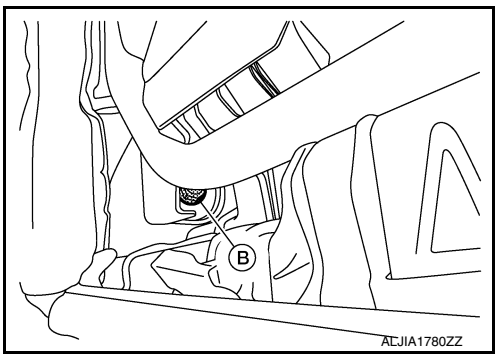
4. Release J-hooks (A) from seatback board (1).



5. Release clips (A), then remove seatback board (1) from rear seatback frame (RH).



6. Remove nut (B), then separate rear seatbacks (LH/RH) from rear seat hinge.



INSTALLATION
Installation is in the reverse order of removal.

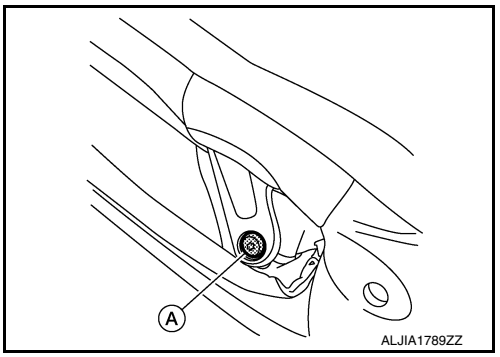
Removal and Installation - Armrest Assembly

INFOID:0000000012379172

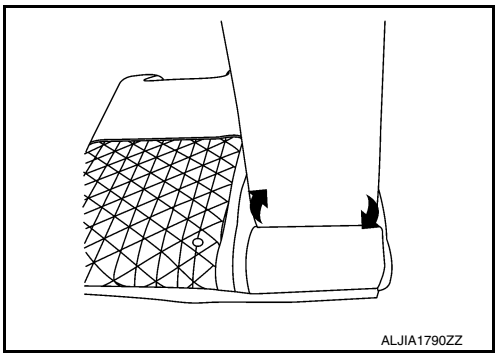
REMOVAL

1. Place the rear seatback assembly (RH) in the folded-down position.
2. Remove center armrest using the following procedure:

a. Remove center armrest bolt (A).



b. Remove the center armrest as shown.



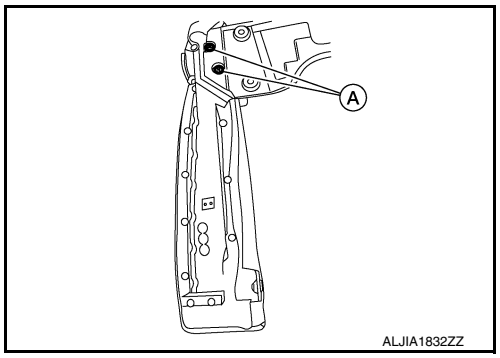
INSTALLATION
Installation is in the reverse order of removal.

Removal and Installation - Rear Seat Bolster

INFOID:0000000012379186

REMOVAL

1. Remove the rear seatback assembly. Refer to SE-89, "Removal and Installation".
2. Release clips (A), then remove rear seat bolster.
   NOTE:
   LH shown, RH similar.



INSTALLATION

Installation is in the reverse order of removal.

UNIT DISASSEMBLY AND ASSEMBLY

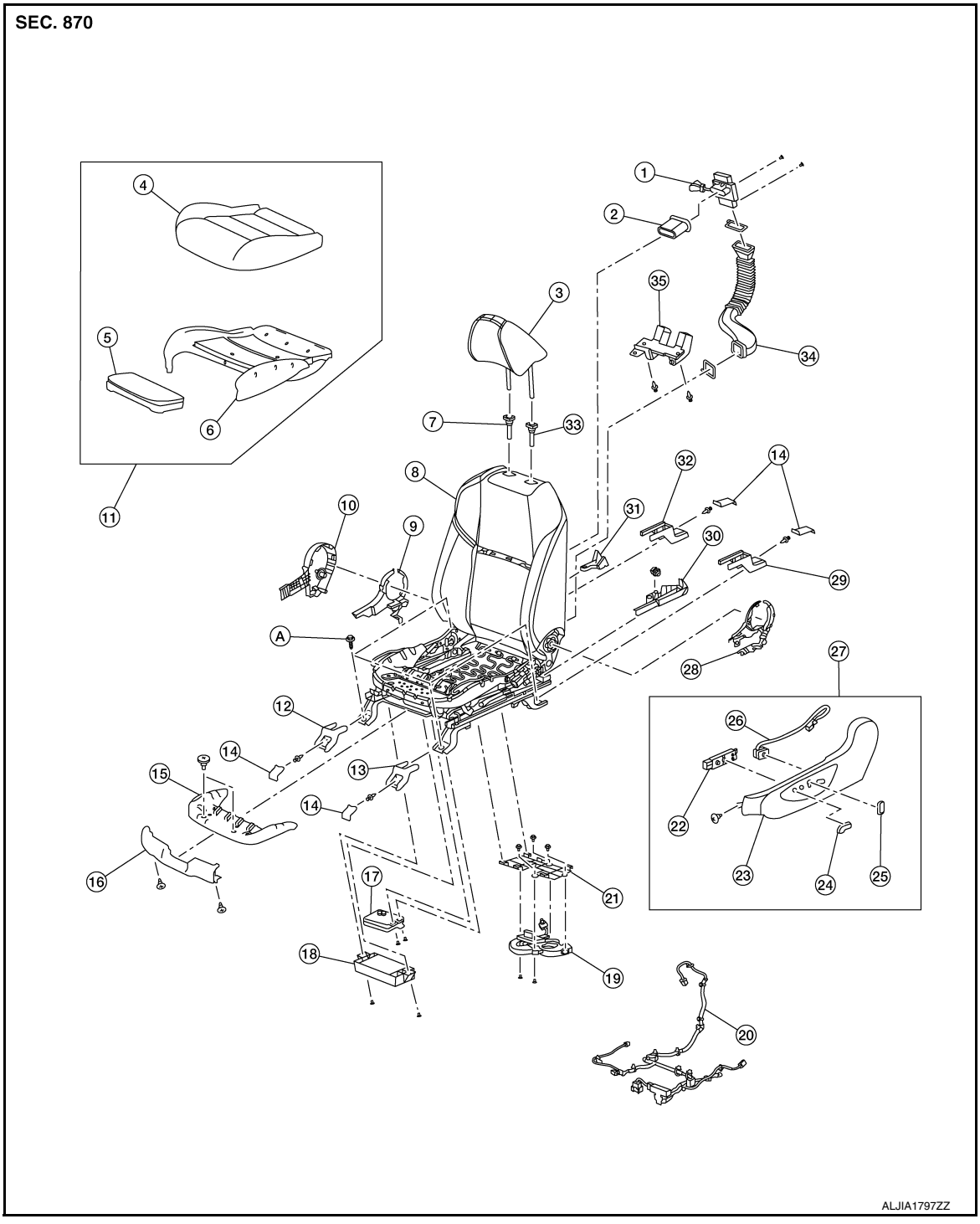
FRONT SEAT

DRIVER SIDE

DRIVER SIDE : Exploded View

INFOID:0000000011932938

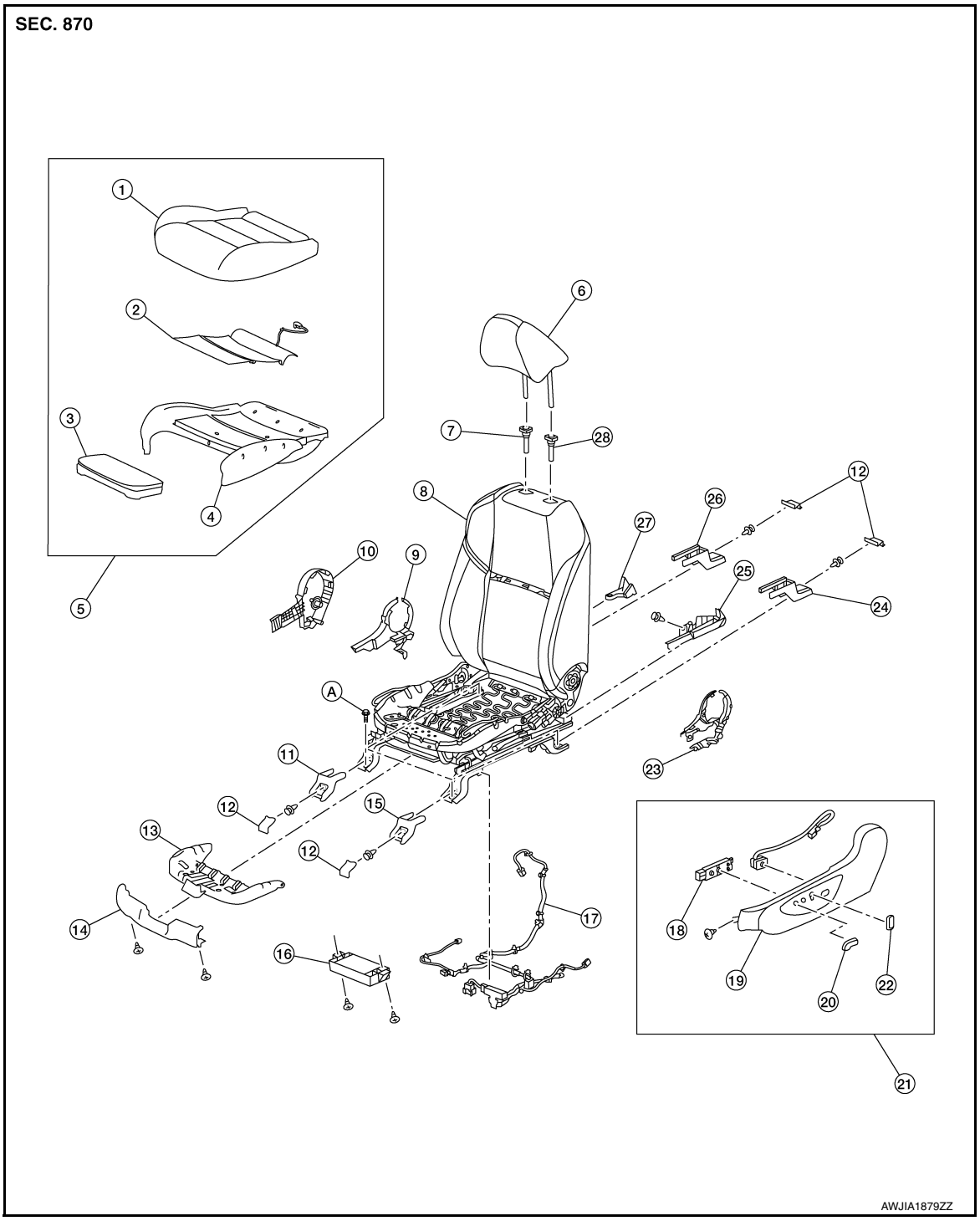
Driver Seat - With Climate Controlled Seats



1. Seatback thermal electric device
2. Thermal electric device nozzle
3. Headrest
4. Seat cushion trim
5. Thigh extension pad
6. Seat cushion pad

7. Headrest holder (free)
8. Seat frame assembly
9. Seat cushion inner finisher (RH)
10. Seat cushion outer finisher (RH)
11. Seat cushion assembly
12. Front leg finisher (inner)
13. Front leg finisher (outer)
14. Front seat leg finisher cover
15. Thigh extension bracket
16. Seat cushion front finisher
17. Climate controlled seat control unit
18. Driver seat control unit
19. Climate controlled seat blower assembly
20. Seat harness
21. Climate controlled seat blower assembly bracket
22. Power seat switch
23. Seat cushion outer finisher (RH)
24. Seat slide knob
25. Seat recline knob
26. Lumbar support switch
27. Seat cushion outer finisher assembly (LH)
28. Seat cushion inner finisher (LH)
29. Rear leg finisher (outer)
30. Slide finisher outer (LH)
31. Seat finisher inner (RH)
32. Rear leg finisher (inner)
33. Headrest holder (locked)
34. Blower duct
35. Blower duct guide
A. Refer to INSTALLATION.

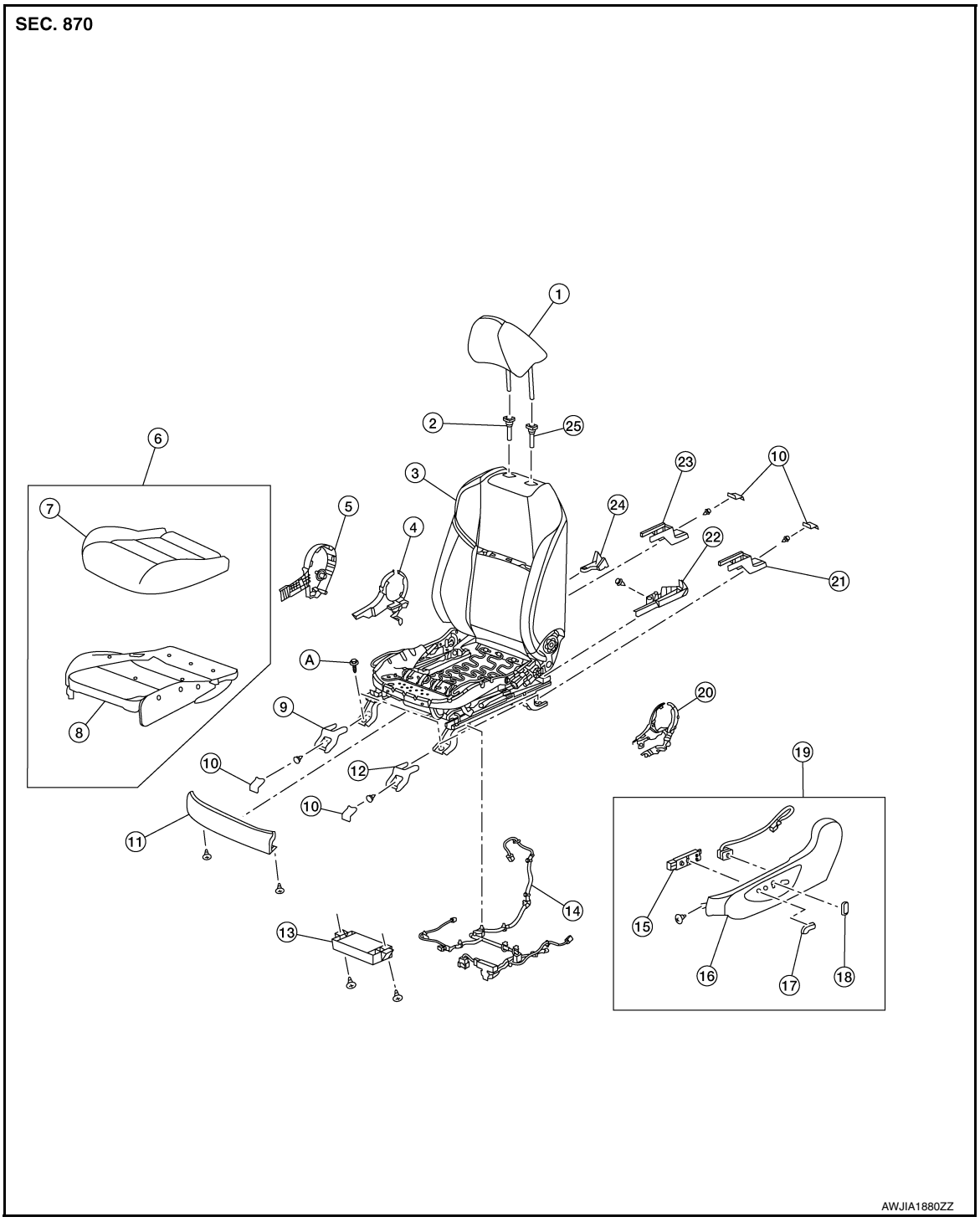
Driver Seat - With Heated Seats



1. Seat cushion trim
2. Front seat heater
3. Thigh extension pad
4. Seat cushion pad
5. Seat cushion assembly
6. Headrest
7. Headrest holder (free)
8. Seat frame assembly
9. Seat cushion inner finisher (RH)
10. Seat cushion outer finisher (RH)
11. Front leg finisher (inner)
12. Front seat leg finisher cover
13. Thigh extension bracket
14. Seat cushion front finisher
15. Front leg finisher (outer)
16. Driver seat control unit
17. Seat harness
18. Power seat switch
19. Seat cushion outer finisher (LH)
20. Seat slide knob
21. Seat recline knob
22. Seat cushion outer finisher assembly (LH)
23. Seat cushion inner finisher (LH)
24. Rear leg finisher (outer)

25. Slide finisher outer (LH)
26. Rear leg finisher (inner)
27. Slide finisher inner (RH)
28. Headrest holder (locked)
A. Refer to INSTALLATION.

Driver Seat - Without Heated Seats



1. Headrest
2. Headrest holder (free)
3. Seat frame assembly
4. Seat cushion inner finisher (RH)
5. Seat cushion outer finisher (RH)
6. Seat cushion assembly
7. Seat cushion trim
8. Seat cushion pad
9. Front leg finisher (outer)
10. Front seat leg finisher cover
11. Seat cushion front finisher
12. Front leg finisher (inner)
13. Driver seat control unit
14. Seat harness
15. Power seat switch
16. Seat cushion outer finisher (LH)
17. Seat slide knob
18. Seat recline knob

19. Lumbar support switch
20. Seat cushion inner finisher (LH)
21. Rear leg finisher (outer)
22. Slide finisher outer (LH)
23. Rear leg finisher (inner)
24. Slide finisher inner (RH)
25. Headrest holder (locked)
A. Refer to INSTALLATION.

DRIVER SIDE : Seatback

INFOID:0000000011932939

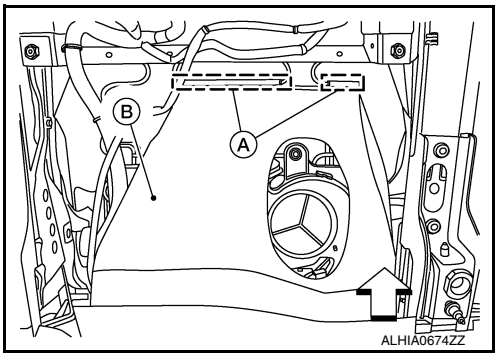
DISASSEMBLY

WARNING:
Do not leave any objects (screwdrivers, tools, etc.) on the seat during seatback repair. It can lead to personal injury if the side air bag module should accidentally deploy.
CAUTION:
- **Before servicing, turn the ignition switch OFF, disconnect both battery terminals then wait at least three minutes.**
- **Always work from the side or back of the seatback, do not work in front of seat.**
- **Do not use air tools or electric tools for servicing the seat assembly.**
- **Do not insert any objects into the side air bag module.**
- **Do not attempt to disassemble the side air bag module.**
- **Do not expose the side air bag module to temperatures exceeding 90°C (194°F).**
- **Do not expose the side air bag module to any oil, grease, detergent or water.**
- **During disassembly, do not damage the seatback board, connectors, retainers, clips, module harness or the side air bag module.**

CAUTION:
If the vehicle has been involved in a collision and the side air bag module has deployed, the seatback must be replaced.
NOTE:
Climate controlled seat shown, without climate controlled seat similar.

1. Remove the front seat assembly. Refer to SE-79, "Removal and Installation".
2. From under the rear of the front driver seat, release the seatback J-hooks (A) and position seatback flap (B) aside.

⇦ : Front

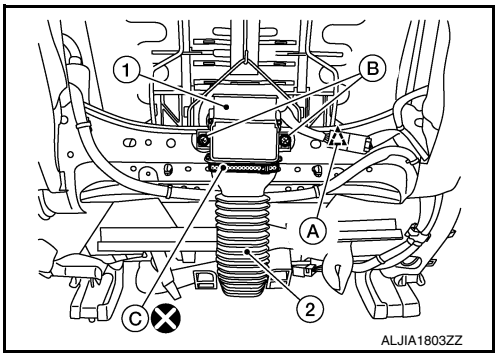


3. Release seatback J-hooks, then release seatback zippers (RH/LH) and position seatback trim aside.
4. Remove seatback thermal electric device using the following procedure:

a. Disconnect harness connector (A) and release clip from seat frame.

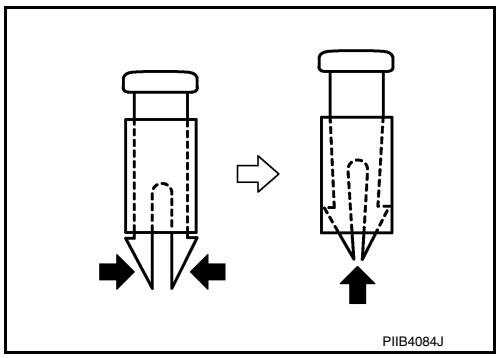
△ : Clip

b. Remove screws (B) and tie strap (C), then remove seatback thermal electric device (1) from upper blower duct (2) and seat frame.
CAUTION:
Do not reuse tie strap; new tie strap must be used for installation.



5. Remove lower tie strap, then remove upper blower duct from seat frame assembly.

6. Reach in from the bottom of the seatback to release the guide clips on the headrest holder. Squeeze the clips at the bottom and push upward to remove as shown.
CAUTION:
Before removing/installing the headrest holder, check its orientation (front/rear and right/left).



7. The remaining parts of the seatback are serviced as part of the front driver seat frame.

Assembly

Assembly is in the reverse order of disassembly.

CAUTION:
- **Do not reuse tie strap; new tie strap must be used for installation.**
- **After work is completed, check that no system malfunction is detected causing the air bag warning lamp to illuminate.**
- **If a malfunction is detected by the air bag warning lamp after repair or replacement of the malfunction parts, perform the SRS final check. Refer to SRC-16, "SRS Final Check".**

DRIVER SIDE : Seat Cushion

INFOID:0000000012372693

DISASSEMBLY

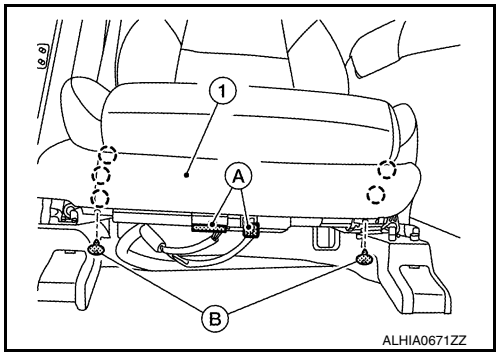
WARNING:
Do not leave any objects (screwdrivers, tools, etc.) on the seat during seat cushion repair. It can lead to personal injury if the side air bag module should accidentally deploy.

CAUTION:
- **Before servicing, turn the ignition switch OFF, disconnect both battery terminals and wait at least three minutes.**
- **Always work from the side or back of the seatback assembly, do not work in front of seat.**
- **Do not use air tools or electric tools for servicing the seat assembly.**

NOTE:
Climate controlled seat shown, without climate controlled seat similar.

1. Remove the front seat assembly. Refer to SE-79, "Removal and Installation".
2. Remove front finisher screws (B), release pawls and remove seat front finisher (1), then disconnect harness connectors (A).

: Pawl



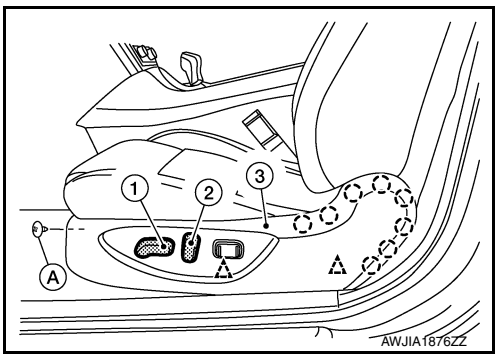
3. Remove the seat cushion outer finisher (LH) using the following procedure:

a. Using a suitable tool, remove seat slide knob (1) and seat recline knob (2).

b. Remove screw (A), then release clips and pawls and remove seat cushion outer finisher [LH (3)].

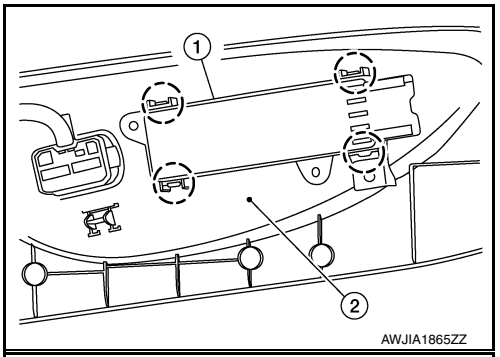
: Pawl

: Clip



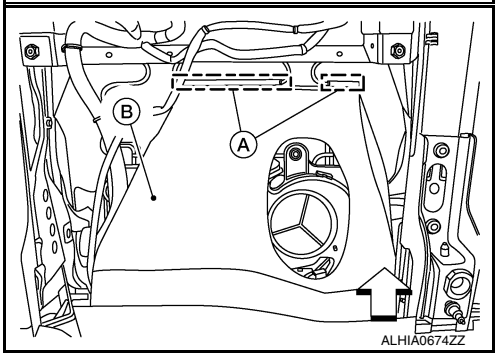
c. Release pawls and remove power seat switch, then disconnect harness connector from power seat switch.

: Pawls

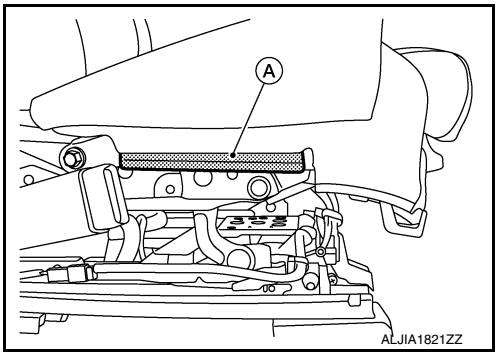


4. From under the rear of the front passenger seat, release the seatback J-hooks (A) and position seatback flap (B) aside.

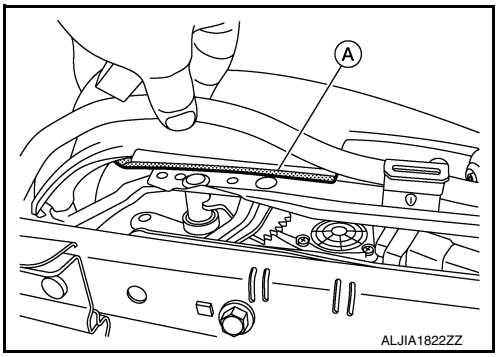
: Front



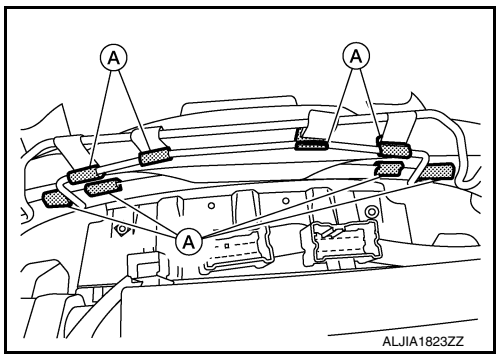
5. Release the RH J-hook (A) from the driver seat frame.



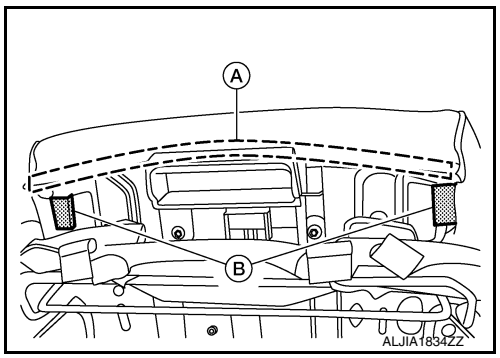
6. Release the LH J-hook (A) from the driver seat frame.



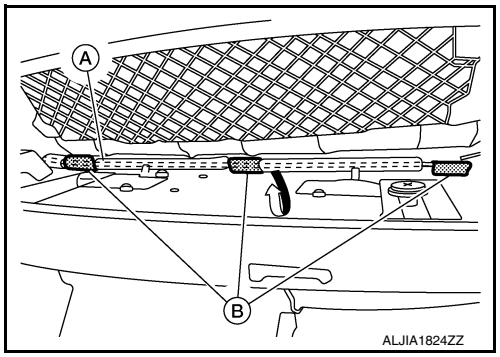
7. Release the front J-hooks (A) from the front driver seat frame.



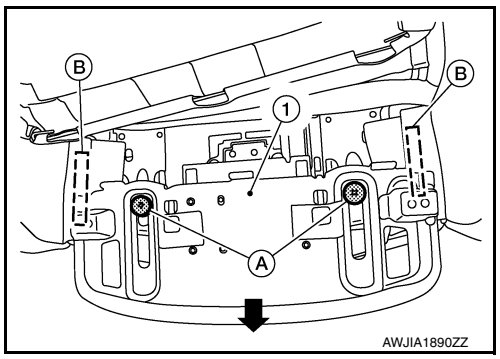
8. Release J-hooks (A/B), then remove seat cushion trim and thigh extension pad from thigh extension bracket.



9. Release the thigh extension wire (A) from the thigh extension bracket hooks (B) as shown.

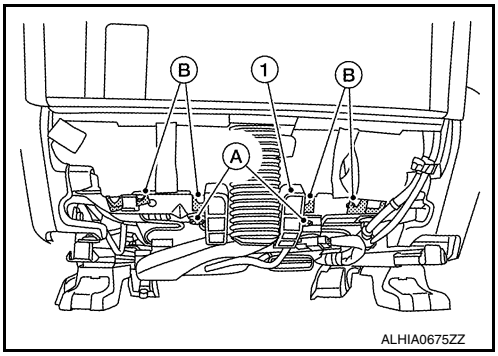


10. With the thigh extension trim and pad raised: remove screws (A).
a. Engage thigh extension handle and remove thigh extension bracket (1) as shown.
b. Release J-hooks (B) from the driver seat frame.



11. Release rear seat cushion J-hooks using the following procedure:
a. For models with climate controlled seats use the following step:

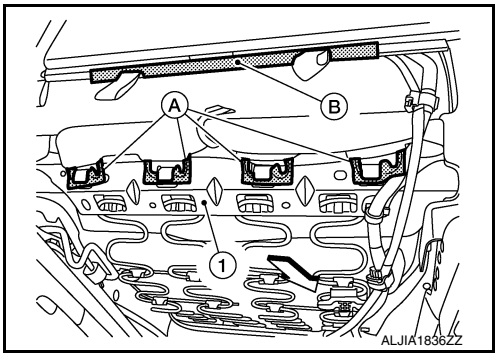
- From the rear of the seat: release clips (A), then reposition seatback duct (1) and remove J-hooks (B).



b. For models without climate controlled seats use the following steps:

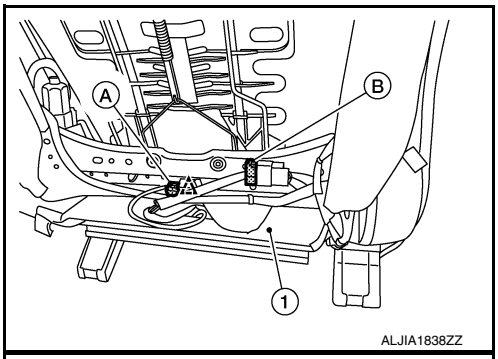
- Release the rear hinge cover J-hooks (A/B) from the seat frame assembly (1).

⇦ : Front

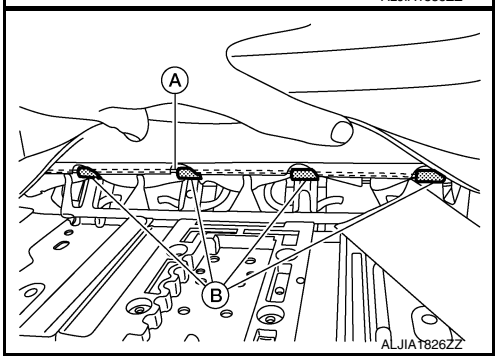


- For models with heated seats, disconnect the harness connector (A) from the seat cushion heater unit and harness connector (B) from the seatback heater unit, then release harness clip and route seat heater harnesses through the seat cushion trim (1).

△ : Clip



12. From the front of the seat, position thigh extender pad and trim aside, then release thigh extender wire (A) from seat frame assembly hooks (B).



13. Remove the seat cushion trim and seat cushion pad as an assembly from the seat frame assembly.
14. Remove hog rings from under the seat cushion trim and pad.

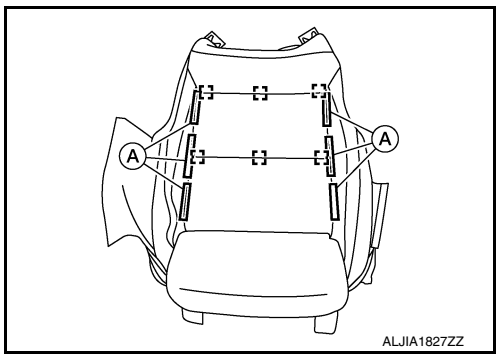
CAUTION:

Remove all pieces of hog rings and discard them.

15. Release the hook fasteners (A), then remove the hog rings and separate the seat cushion trim from the seat cushion pad.

: Hog ring

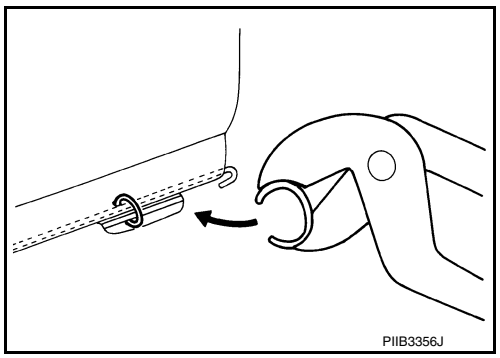
CAUTION:
Remove all pieces of hog rings and discard them.



ASSEMBLY

Assembly is in the reverse order of disassembly.

- Install new hog rings on the seat cushion trim in original positions.
- Use only one hog ring in each designated location.
- Make sure hog rings are correctly fastened around both the seat cushion trim and seat cushion pad wires.
- Use NISSAN standard hog rings and tools to assemble.
- Make sure hook fastener is pressed into place after seat cushion trim is assembled.
- Smooth out all wrinkles during assembly.



CAUTION:

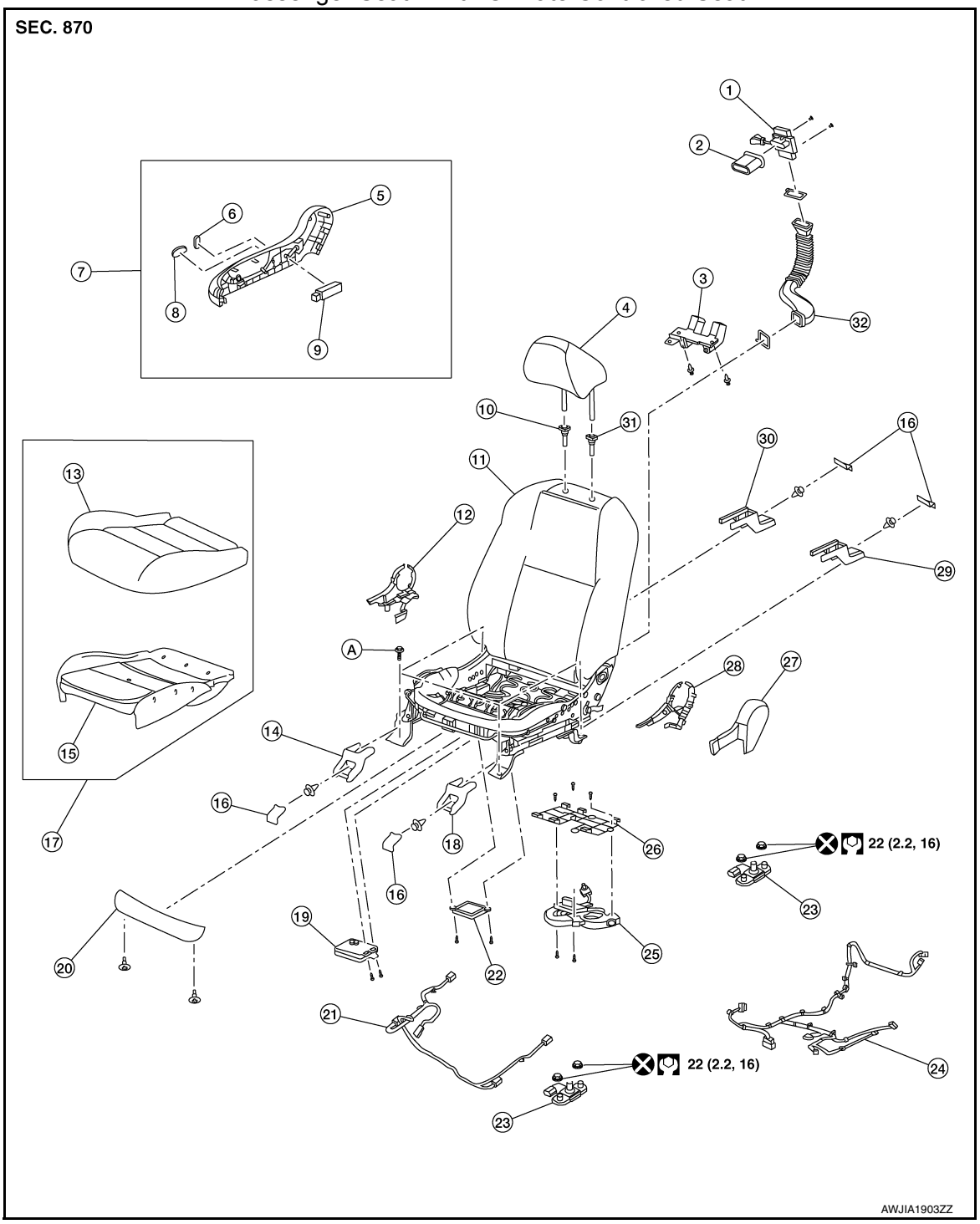
- **After work is completed, check that no system malfunction is detected causing the air bag warning lamp to illuminate.**
- **If a malfunction is detected by the air bag warning lamp after repair or replacement of the malfunction parts, perform the SRS final check. Refer to SRC-16, "SRS Final Check".**

PASSENGER SIDE

PASSENGER SIDE : Exploded View

INFOID:0000000011932940

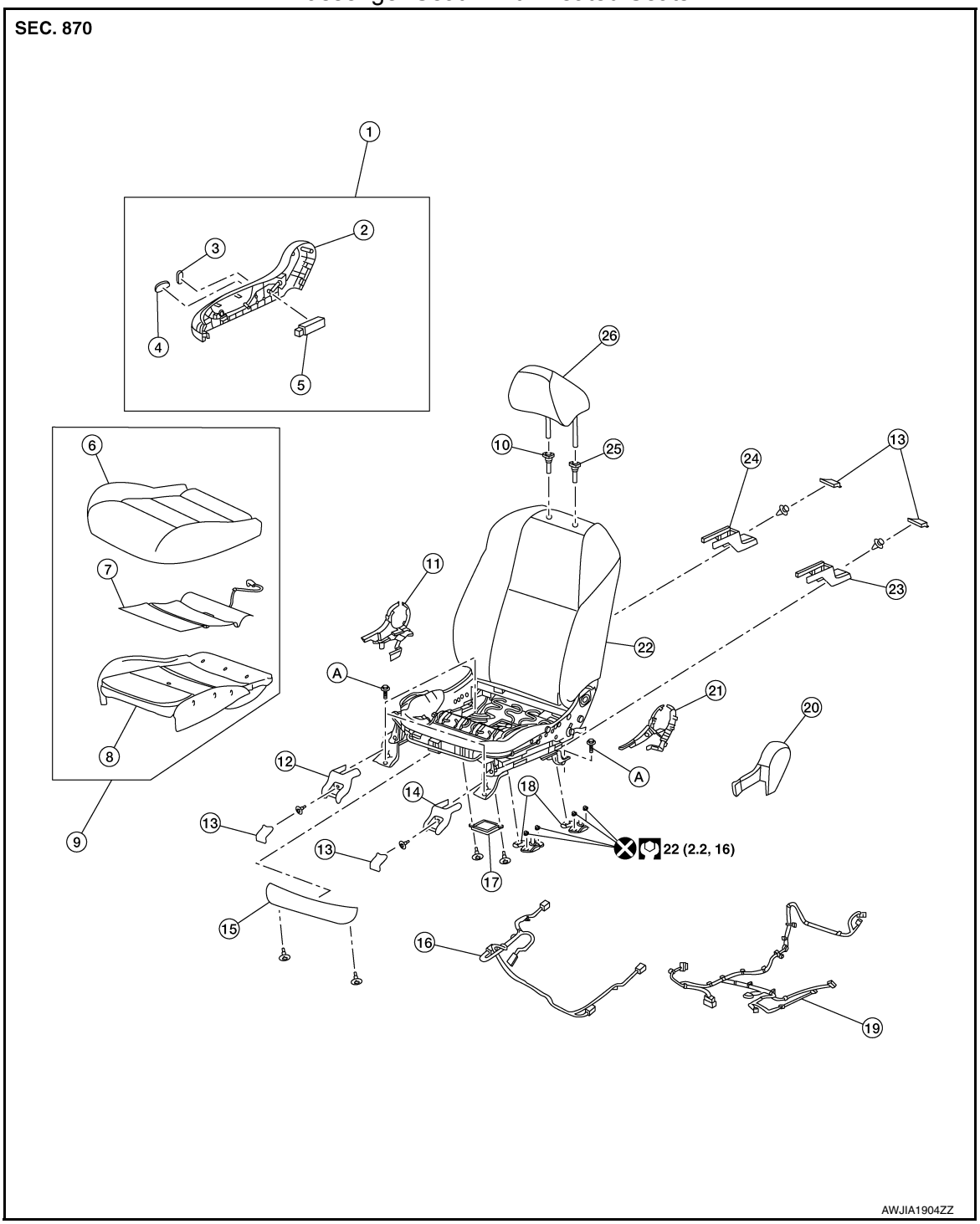
Passenger Seat - With Climate Controlled Seat



1.	Seatback thermal electric device	2.	Thermal electric device nozzle	3.	Blower duct guide
4.	Headrest	5.	Seat cushion outer finisher (RH)	6.	Seat recline knob
7.	Seat cushion outer finisher (RH) assembly	8.	Seat slide knob	9.	Power seat switch
10.	Headrest holder (free)	11.	Seat frame assembly	12.	Seat cushion inner finisher (RH)
13.	Seat cushion trim	14.	Front leg finisher (outer)	15.	Seat cushion pad
16	Front seat leg finisher cover	17.	Seat cushion assembly	18.	Front leg finisher (inner)
19.	Climate controlled seat control unit	20.	Seat cushion front finisher	21.	Occupant classification system seat harness
22.	Occupant classification system control unit	23.	Occupant classification system sensor	24.	Seat harness

25. Climate controlled seat blower assembly
26. Climate controlled seat blower assembly bracket
27. Seat cushion outer finisher (LH)
28. Seat cushion inner finisher (LH)
29. Rear leg finisher (inner)
30. Rear leg finisher (outer)
31. Headrest holder (locked)
32. Blower duct
A. Refer to INSTALLATION.

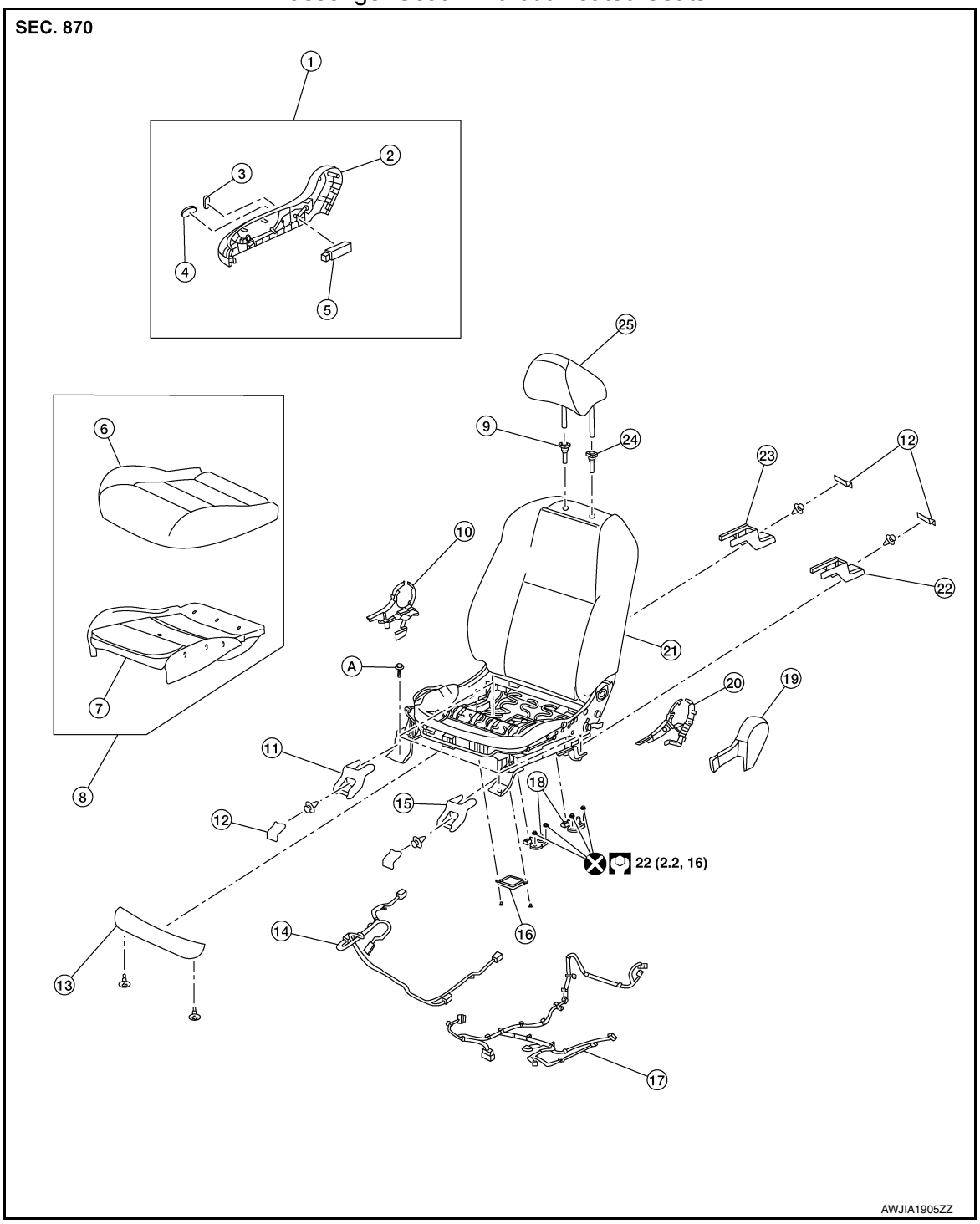
Passenger Seat - With Heated Seats



1. Seat cushion outer finisher assembly
2. Seat cushion outer finisher (RH)
3. Seat recline knob
4. Seat slide knob
5. Power seat switch
6. Seat cushion trim
7. Front seat heater
8. Seat cushion pad
9. Seat cushion assembly
10. Headrest holder (free)
11. Seat cushion inner finisher (RH)
12. Front leg finisher (outer)

13. Front seat leg finisher cover
14. Front leg finisher (inner)
15. Seat cushion front finisher
16. Occupant classification system harness
17. Occupant classification system control unit
18. Occupant classification system sensor
19. Seat harness
20. Seat cushion outer finisher (LH)
21. Seat cushion inner finisher (LH)
22. Seat frame assembly
23. Rear leg finisher (inner)
24. Rear leg finisher (outer)
25. Headrest holder (locked)
26. Headrest
A. Refer to INSTALLATION.

Passenger Seat - Without Heated Seats



1. Seat cushion outer finisher assembly
2. Seat cushion outer finisher (RH)
3. Seat recline knob
4. Seat slide knob
5. Power seat switch
6. Seat cushion trim

7. Seat cushion pad	8. Seat cushion assembly	9. Headrest holder (free)
10. Seat cushion outer finisher (RH)	11. Front leg finisher (outer)	12. Front seat leg finisher cover
13. Seat cushion front finisher	14. Occupant classification system harness	15. Front leg finisher (inner)
16. Occupant classification system control unit	17. Seat harness	18. Occupant classification system sensor
19. Seat cushion outer finisher (LH)	20. Seat cushion inner finisher (LH)	21. Seat frame assembly
22. Rear leg finisher (inner)	23. Rear leg finisher (outer)	24. Headrest holder (locked)
25. Headrest	A. Refer to INSTALLATION.	

PASSENGER SIDE : Seatback

INFOID:0000000011932941

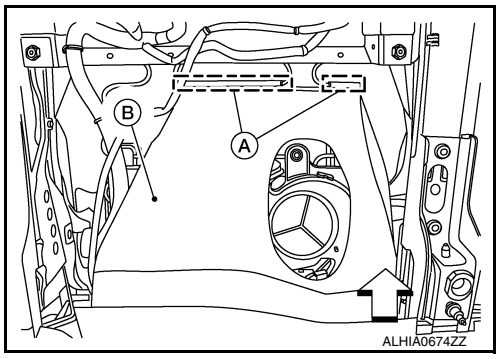
DISASSEMBLY

WARNING:
Do not leave any objects (screwdrivers, tools, etc.) on the seat during seatback repair. It can lead to personal injury if the side air bag module should accidentally deploy.
CAUTION:
- **Before servicing, turn the ignition switch OFF, disconnect both battery terminals then wait at least three minutes.**
- **Always work from the side or back of the seatback, do not work in front of seat.**
- **Do not use air tools or electric tools for servicing the seat assembly.**
- **Do not insert any objects into the side air bag module.**
- **Do not attempt to disassemble the side air bag module.**
- **Do not expose the side air bag module to temperatures exceeding 90°C (194°F).**
- **Do not expose the side air bag module to any oil, grease, detergent or water.**
- **During disassembly, do not damage the seatback board, connectors, retainers, clips, module harness or the side air bag module.**

CAUTION:
If the vehicle has been involved in a collision and the side air bag module has deployed, the seatback must be replaced.
NOTE:
Climate controlled seat shown, without climate controlled seat similar.

1. Remove the front seat assembly. Refer to SE-79, "Removal and Installation".
2. From under the rear of the front passenger seat, release the seatback J-hooks (A) and position seatback flap (B) aside.

⇦ : Front

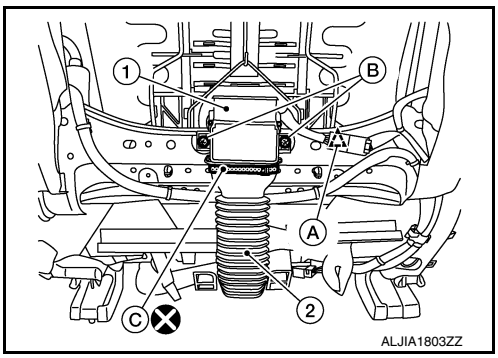


3. Release seatback J-hooks, then release seatback zippers (RH/LH) and position seatback trim aside.
4. Remove seatback thermal electric device using the following procedure:

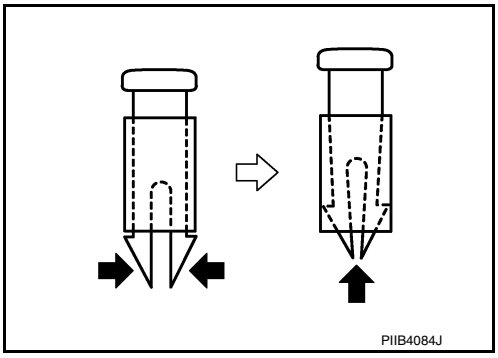
a. Disconnect harness connector (A) and release clip from seat frame.

: Clip

b. Remove screws (B) and tie strap (C), then remove seatback thermal electric device (1) from upper blower duct (2) and seat frame.
NOTE:
Do not reuse tie strap; new tie strap must be used for installation.



5. Remove lower tie strap, then remove upper blower duct from seat frame assembly.
6. Reach in from the bottom of the seatback to release the guide clips on the headrest holder. Squeeze the clips at the bottom and push upward to remove as shown.
CAUTION:
Before removing/installing the headrest holder, check it's orientation (front/rear and right/left).



7. The remaining parts of the seatback are serviced as part of the front passenger seat frame.

Assembly
Assembly is in the reverse order of disassembly.
CAUTION:
- **After work is completed, check that no system malfunction is detected causing the air bag warning lamp to illuminate.**
- **If a malfunction is detected by the air bag warning lamp after repair or replacement of the malfunction parts, perform the SRS final check. Refer to SRC-16, "SRS Final Check".**

PASSENGER SIDE : Seat Cushion

INFOID:0000000012372697

DISASSEMBLY

WARNING:
Do not leave any objects (screwdrivers, tools, etc.) on the seat during seat cushion repair. It can lead to personal injury if the side air bag module should accidentally deploy.
CAUTION:
- **Before servicing, turn the ignition switch OFF, disconnect both battery terminals and wait at least three minutes.**
- **Always work from the side or back of the seatback assembly, do not work in front of seat.**
- **Do not use air tools or electric tools for servicing the seat assembly.**

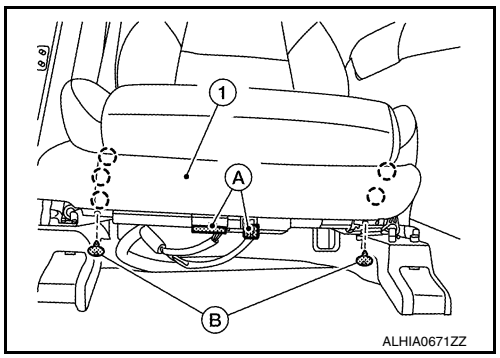
NOTE:
Climate controlled seats shown, without climate controlled seats similar.

1. Remove the front seat assembly. Refer to SE-79, "Removal and Installation".

2. Remove front finisher screws (B), release pawls and remove seat front finisher (1).

(A) : Harness connector

◌ : Pawl



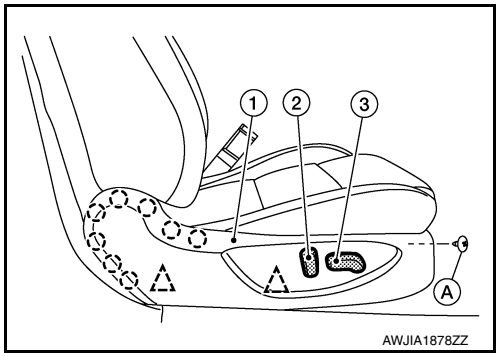
3. Remove the seat cushion outer finisher (RH) from the front passenger seat using the following procedure:

a. Using a suitable tool, remove seat slide knob (3) and seat recline knob (2).

b. Remove screw (A), then release clips and pawls and remove seat cushion outer finisher [RH (1)].

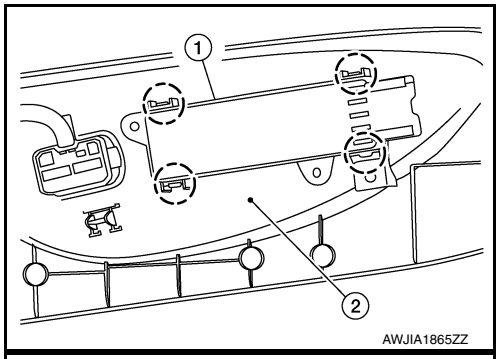
◌ : Pawl

△ : Clip



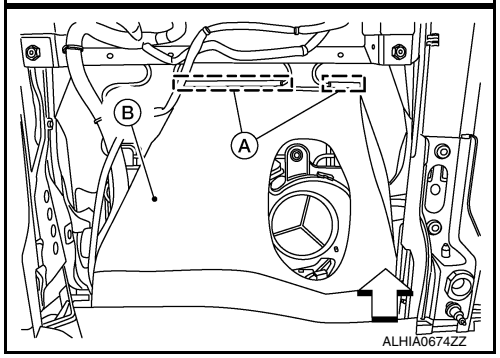
c. Release pawls and remove power seat switch, then disconnect harness connector from power seat switch.

◌ : Pawls



4. From under the rear of the front passenger seat, release the seatback J-hooks (A) and position seatback flap (B) aside.

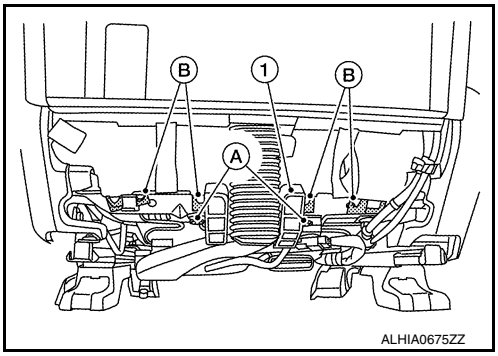
⇦ : Front



5. Release rear seat cushion J-hooks using the following procedure:

a. For models with climate controlled seats use the following step:

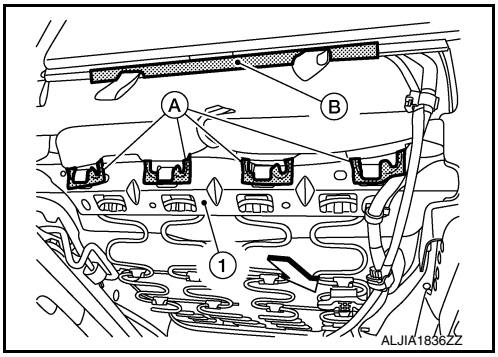
• From the rear of the seat, release clips (A), then reposition seatback duct (1) and remove J-hooks (B).



b. For models without climate controlled seats use the following steps:

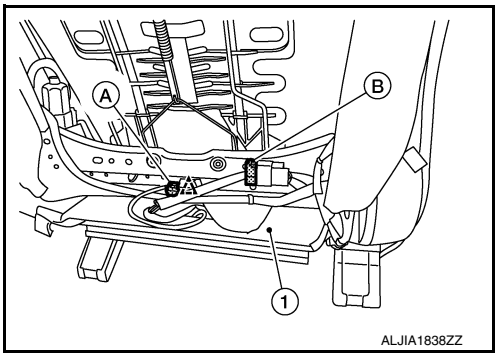
• Release the rear hinge cover J-hooks (A/B) from the seat frame assembly (1).

⇦ : Front

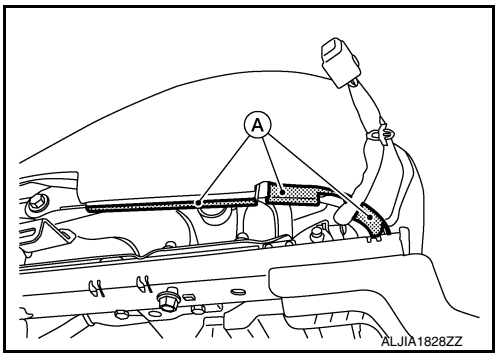


• For models with heated seats disconnect the harness connector (A) from the seat cushion heater unit and harness connector (B) from the seatback heater unit, then release harness clip and route seat heater harnesses through the seat cushion trim (1).

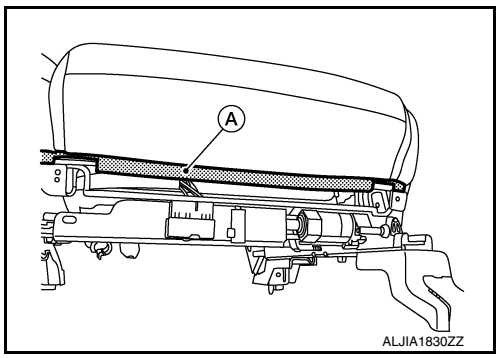
△ : Clip



6. Release RH/LH seat cushion J-hooks (A) from the seat frame assembly.
NOTE:
RH shown, LH similar.



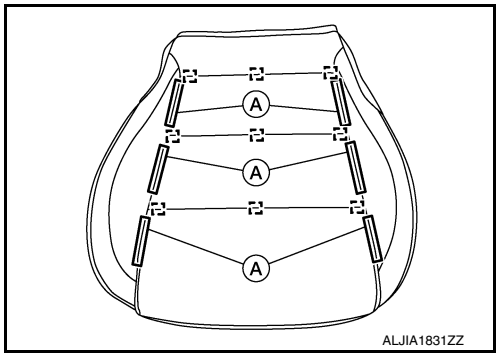
7. Release front seat cushion J-hook (A) from the seat frame assembly.



8. Remove the seat cushion trim and seat cushion pad as an assembly from the seat frame assembly.
9. Remove hog rings from under the seat cushion trim and pad.
CAUTION:
Remove all pieces of hog rings and discard them.
10. Release the hook fasteners (A), then remove the hog rings and separate the seat cushion trim and seat cushion pad.

: Hog ring

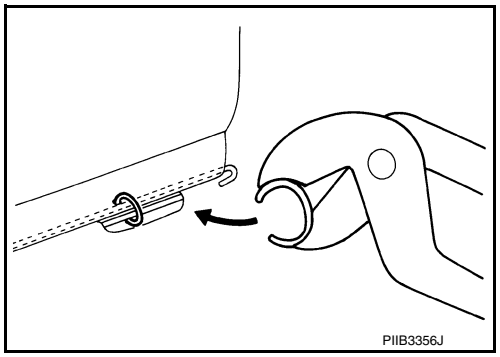
CAUTION:
Remove all pieces of hog rings and discard them.



ASSEMBLY

Assembly is in the reverse order of disassembly.

- Install new hog rings on the seat cushion trim in original positions.
- Use only one hog ring in each designated location.
- Make sure hog rings are correctly fastened around both the seat cushion trim and seat cushion pad wires.
- Use NISSAN standard hog rings and tools to assemble.
- Make sure hook fastener is pressed into place after seat cushion trim is assembled.
- Smooth out all wrinkles during assembly.



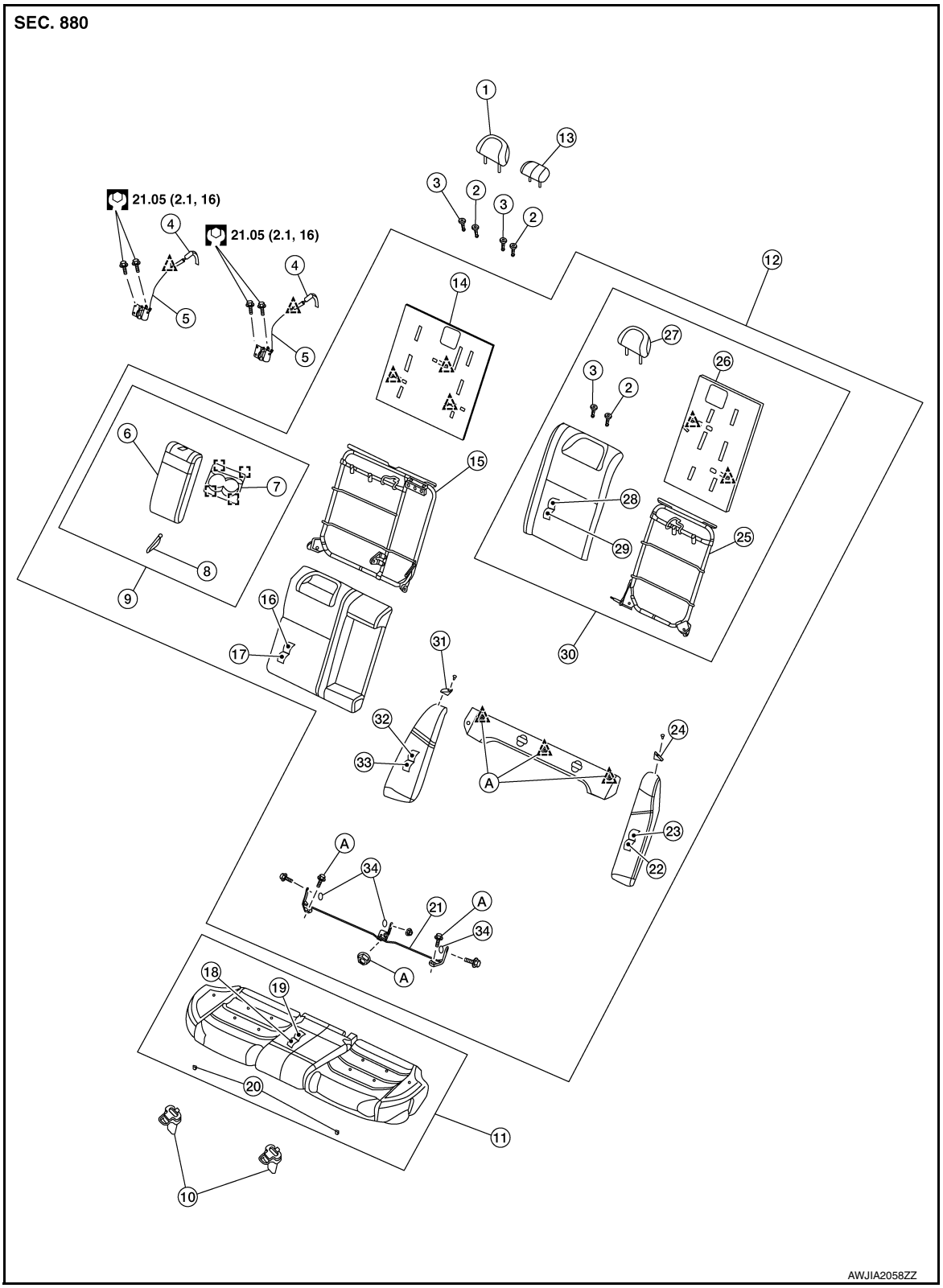
CAUTION:

- **After work is completed, check that no system malfunction is detected causing the air bag warning lamp to illuminate.**
- **If a malfunction is detected by the air bag warning lamp after repair or replacement of the malfunction parts, perform the SRS final check. Refer to SRC-16, "SRS Final Check".**

REAR SEAT

Exploded View

INFOID:0000000011932943



1. Headrest (RH)
2. Headrest holder (locked)
3. Headrest holder (free)
4. Seatback latch strap
5. Seatback latch
6. Armrest
7. Cup holder
8. Armrest finisher
9. Armrest assembly
10. Seat cushion lock
11. Seat cushion assembly
12. Seatback assembly
13. Headrest (center)
14. Seatback board (RH)
15. Seatback frame (RH)
16. Seatback trim (RH)
17. Seatback pad (RH)
18. Seat cushion pad
19. Seat cushion trim
20. Seat cushion wire cover
21. Seatback hinge assembly
22. Side bolster pad (LH)
23. Side bolster trim (LH)
24. Seat belt guide (LH)
25. Seatback frame (LH)
26. Seatback trim (LH)
27. Headrest (LH)
28. Seatback trim (LH)
29. Seatback pad (LH)
30. Seatback (LH)
31. Seat belt guide (RH)
32. Seat bolster trim (RH)
33. Side bolster pad (RH)
34. Grommet
A. Refer to INSTALLATION.
Clip
Metal clip

SEATBACK

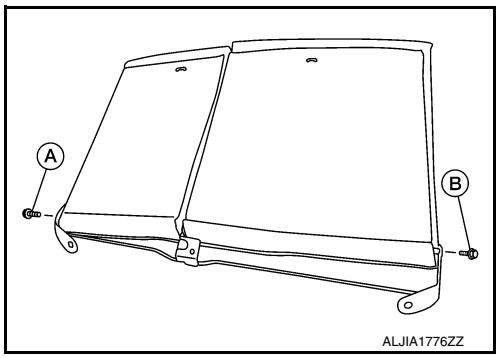
SEATBACK : Disassembly and Assembly

INFOID:0000000012326758

REAR SEATBACK ASSEMBLY (RH)

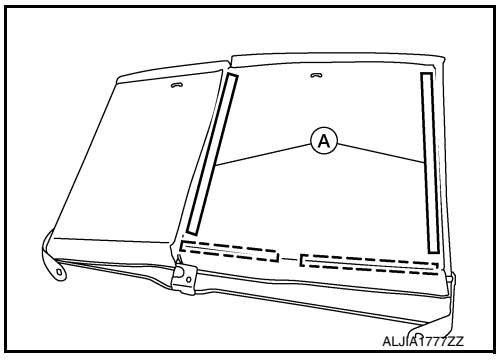
Disassembly

1. Remove the rear seatback assembly. Refer to SE-89, "Removal and Installation".
2. Remove rear seatback hinge assembly bolts (A/B).

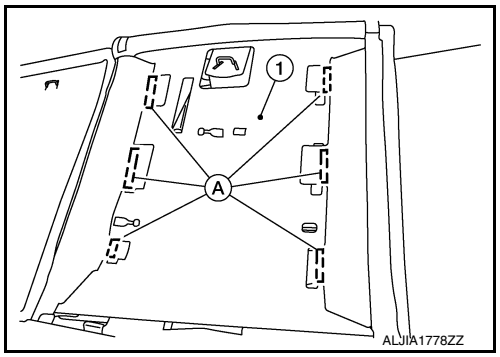


3. Release rear RH seatback flap J-hooks, then release hook and loop fasteners (A) then place seatback flap aside.

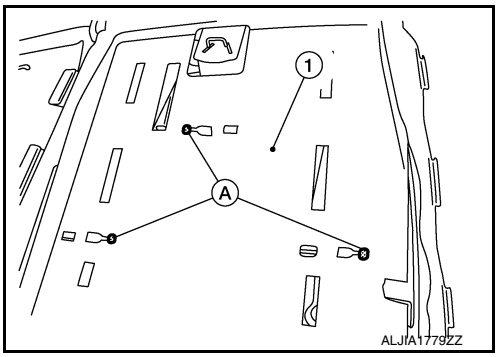
: J-hook



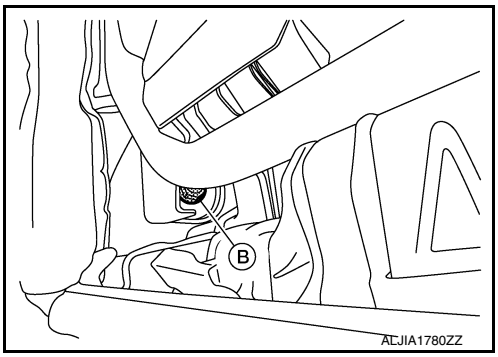
4. Release J-hooks (A) from seatback board [RH (1)].



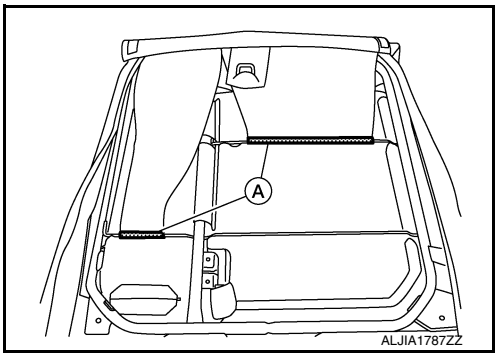
5. Release clips (A), then remove seatback board [RH (1)] from rear seatback frame (RH).



6. Remove nut (B) then separate rear seatbacks (LH/RH).

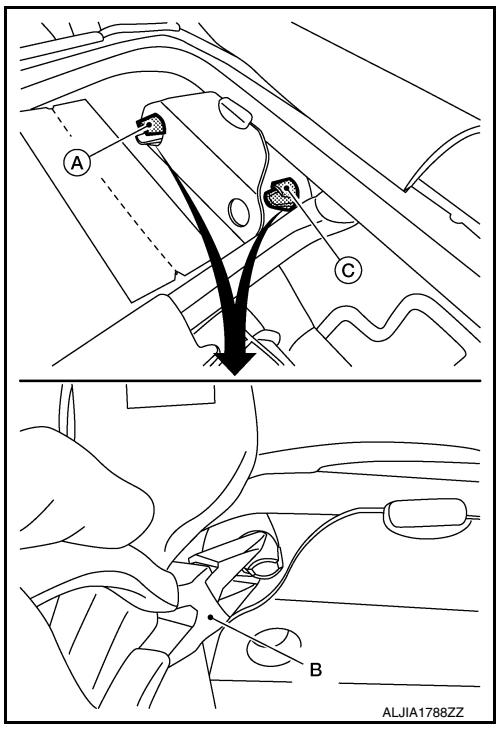


7. Release J-hooks (A) then position seatback flaps aside.



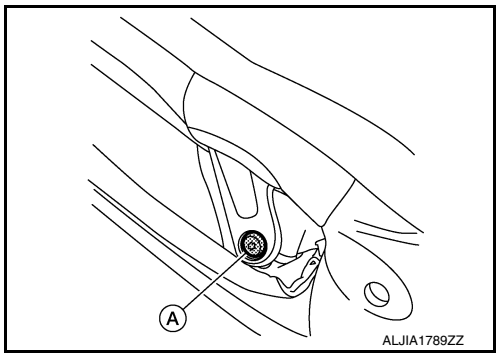
8. Remove headrest holder (free) and headrest holder (lock).
NOTE:

Using suitable tool (B), release the center headrest holder [lock (A)] and headrest holder [free (C)] as shown.

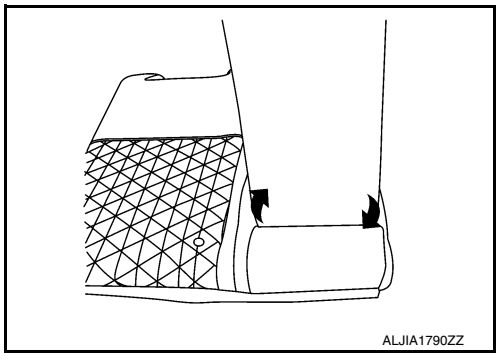


9. Remove armrest assembly using the following procedure:

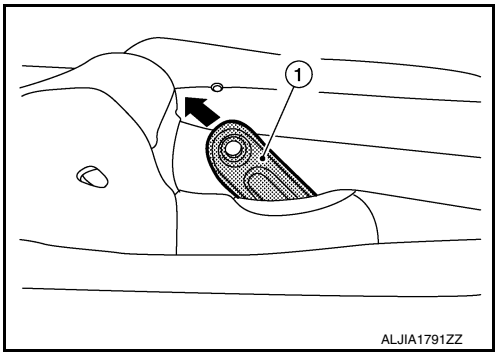
a. Remove armrest assembly bolt (A).



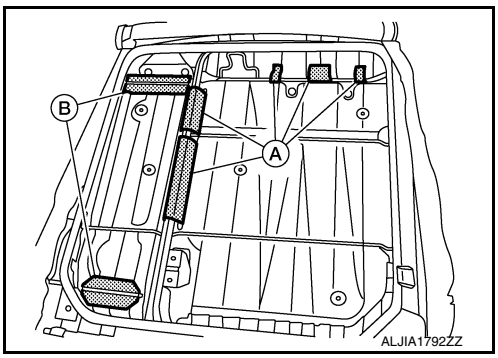
b. Remove the armrest assembly as shown.



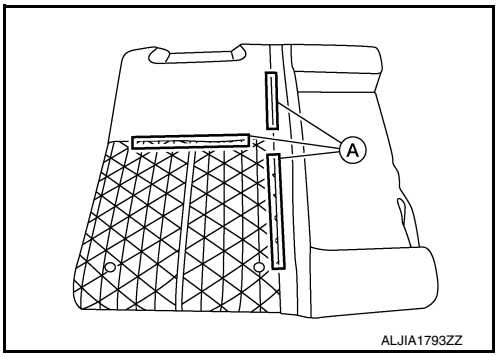
10. Remove armrest finisher (1) as shown.



11. Release J-hooks (A) from the rear seatback frame (RH), then remove seatback frame (RH) and route trim retainers (B) through seatback pad (RH).



12. Release hook and loop fasteners (A), then separate the rear seatback pad (RH) from the seatback trim (RH).

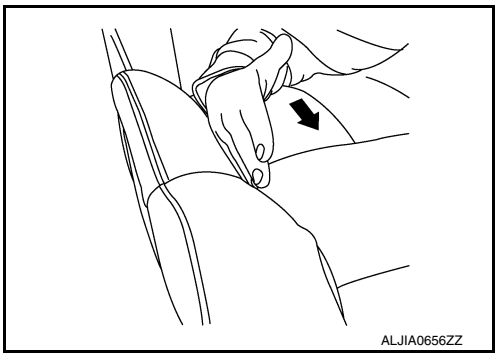


Assembly

Assembly is in the reverse order of disassembly.

NOTE:

When installing the seatback trim, firmly push down while sliding your hand along the seams as shown to ensure the hook fasteners below the seatback trim are fastened properly.

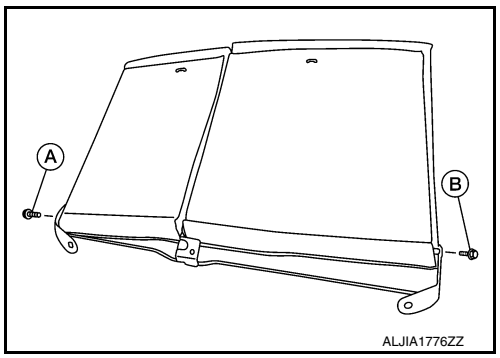


REAR SEATBACK ASSEMBLY (LH)

Disassembly

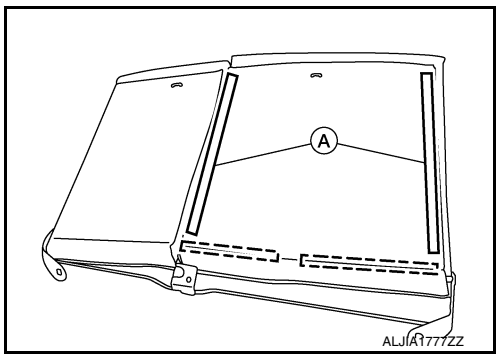
1. Remove the rear seatback assembly. Refer to SE-89, "Removal and Installation".

2. Remove rear seatback hinge assembly bolts (A/B).

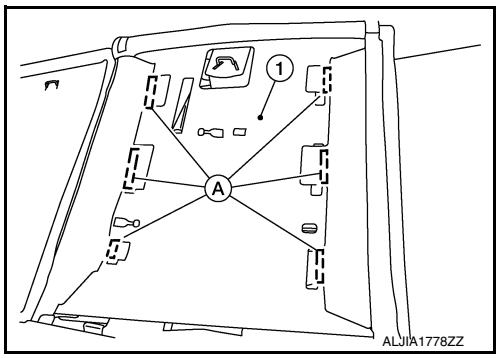


3. Release rear RH seatback flap J-hooks, then release hook and loop fasteners (A) then place seatback flap aside.

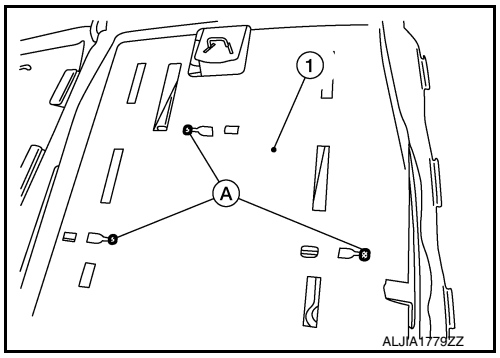
: J-hook



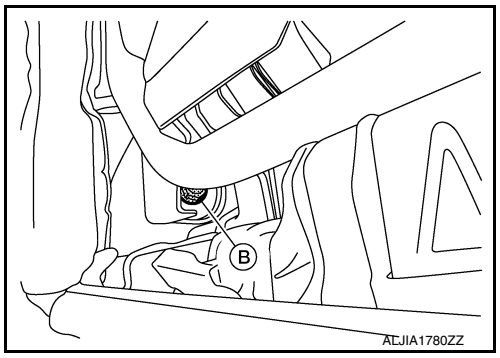
4. Release J-hooks (A) from seatback board [LH (1)].



5. Release clips (A), then remove seatback board [RH (1)] from seatback frame (RH).

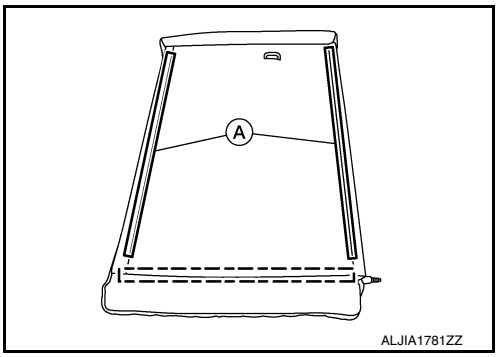


6. Remove nut (B) then separate rear seatbacks (LH/RH).

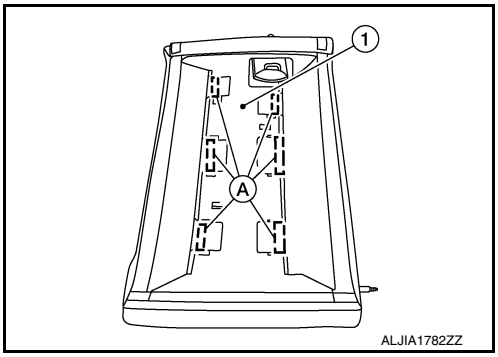


7. Remove LH headrest.
8. Release J-hook and hook and loop fasteners (A), then place aside LH rear seatback flap.

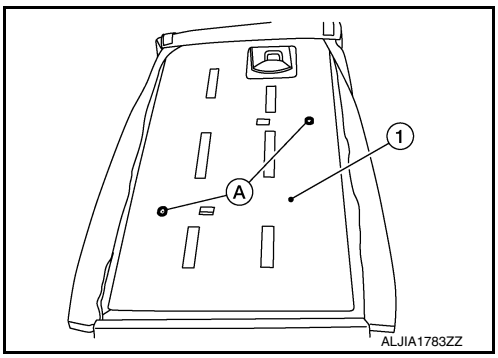
: J-hook



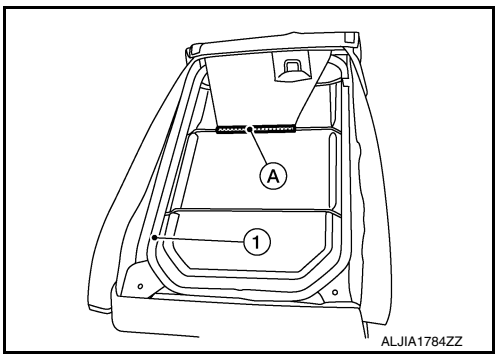
9. Release J-hooks (A) from seatback board [LH (1)].



10. Release clips (A) from seatback frame and remove seatback board [LH (1)].

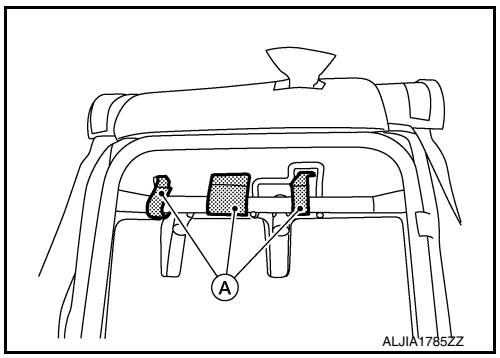


11. Release J-hook (A) from seatback frame (1), then position J-hook (A) aside.

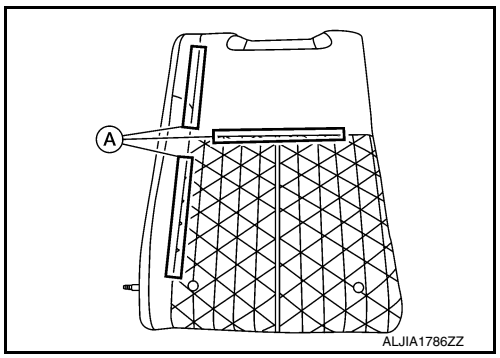


12. Release headrest holder (lock) and headrest holder (free), then remove headrest holders.
CAUTION:
Before removing/installing the headrest holder (lock) and headrest holder (free), check orientation (front/rear and right/left).

13. Release J-hooks (A), then remove seatback frame (LH) from seatback pad and trim assembly (LH).



14. Route J-hooks through the seatback pad (LH), then release hook fasteners (A) and separate seatback pad (LH) from seatback trim (LH).

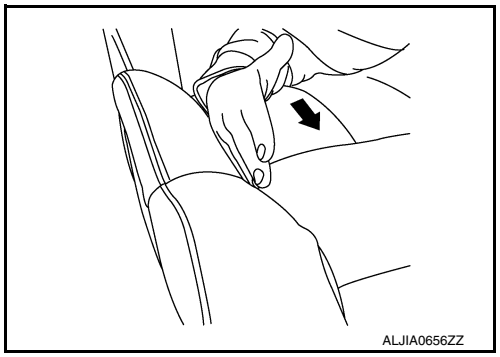


Assembly

Assembly is in the reverse order of disassembly.

NOTE:

When installing the seatback trim, firmly push down while sliding your hand along the seams as shown to ensure the hook fasteners below the seatback trim are fastened properly.



SEAT CUSHION

SEAT CUSHION : Disassembly and Assembly

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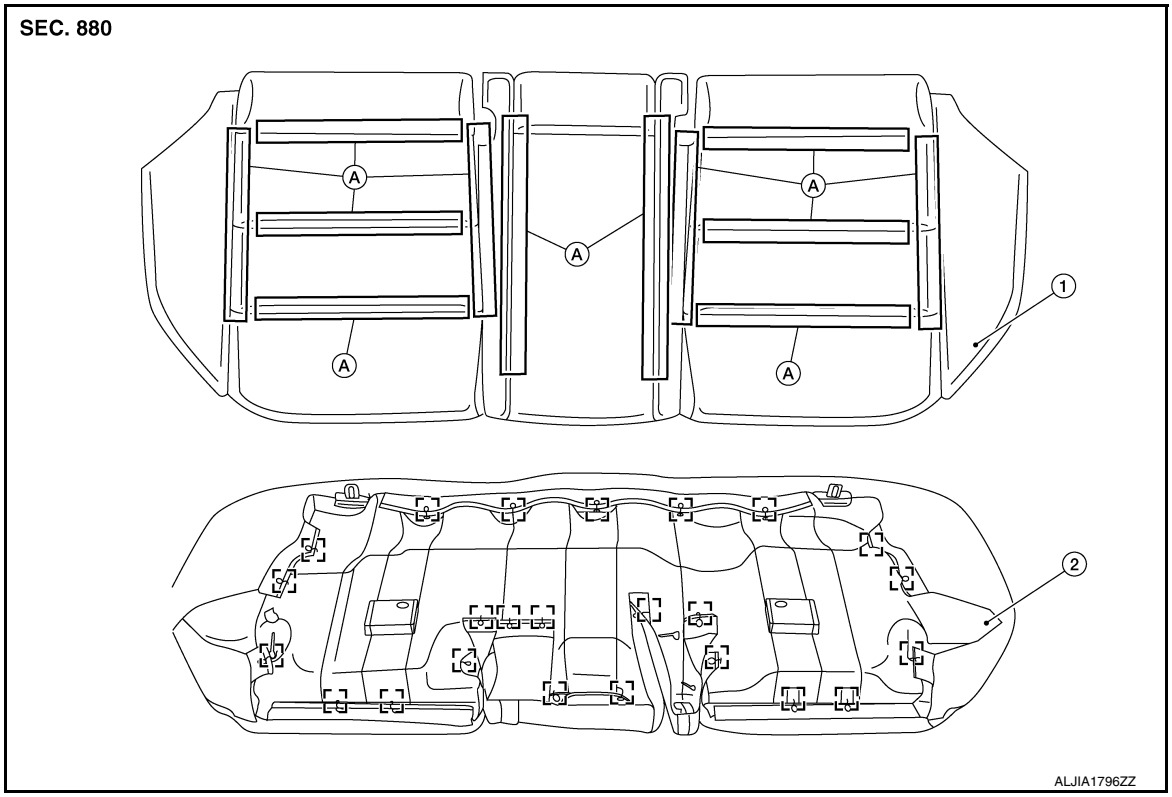
SEAT CUSHION



1. Seat cushion trim
2. Seat cushion pad
A. Hook and loop fasteners

Hog rings

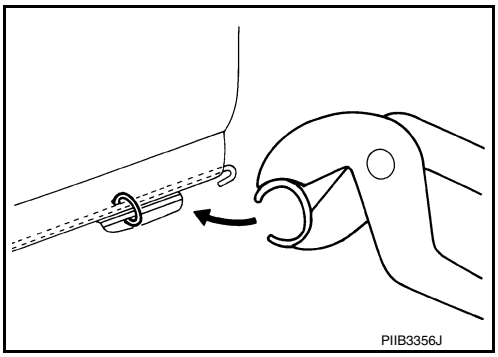
Disassembly

1. Remove the seat cushion assembly. Refer to SE-89, "Removal and Installation".
2. Remove the hog rings from the bottom of the seat cushion pad and trim.
   CAUTION:
   Remove all pieces of hog rings and discard them.
3. Release the hook and loop fasteners from the top of the seat cushion.
4. Separate the seat cushion trim from the seat cushion pad.

Assembly

Assembly is in the reverse order of disassembly.

- Install new hog rings on the seat cushion trim in original positions.
- Use only one hog ring in each designated location.
- Make sure hog rings are correctly fastened around both the seat cushion trim and seat cushion pad wires.
- Use NISSAN standard hog rings and tools to assemble.



- When installing the seat cushion trim, firmly push down while sliding your hand along the seams as shown to ensure the hook fasteners below the seat cushion trim are fastened properly.