

SECTION **SE**
SEAT

A
B
C

CONTENTS

D
E

PRECAUTION	4	SECOND ROW SEATBACK POWER RETURN SYSTEM : Rear Power Return Switch	14	F
PRECAUTIONS	4	SECOND ROW SEATBACK POWER RETURN SYSTEM : Primary Position Limit Switch	14	G
Precaution for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TENSIONER"	4	SECOND ROW SEATBACK POWER RETURN SYSTEM : Return Position Limit Switch	14	H
Precaution for Work	4	SECOND ROW SEATBACK POWER RETURN SYSTEM : Power Return Motor Assembly	15	I
PREPARATION	5	SECOND ROW SEATBACK POWER RETURN SYSTEM : Rear Seatback Power Return Control Unit	15	
PREPARATION	5	POWER SEAT SYSTEM	15	
Special Service Tool	5	POWER SEAT SYSTEM : Component Parts Location	16	SE
Commercial Service Tool	5	POWER SEAT SYSTEM : Power Seat Switch	17	
CLIP LIST	6	POWER SEAT SYSTEM : Sliding Motor	17	K
Descriptions for Clips	6	POWER SEAT SYSTEM : Lifting Motor	17	
SYSTEM DESCRIPTION	10	POWER SEAT SYSTEM : Reclining Motor	18	L
COMPONENT PARTS	10	LUMBAR SUPPORT SYSTEM	18	M
CLIMATE CONTROLLED SEAT SYSTEM	10	LUMBAR SUPPORT SYSTEM : Component Parts Location	18	
CLIMATE CONTROLLED SEAT SYSTEM : Component Parts Location	10	LUMBAR SUPPORT SYSTEM : Lumbar Support Switch	18	N
CLIMATE CONTROLLED SEAT SYSTEM : Climate Controlled Seat Switch	11	LUMBAR SUPPORT SYSTEM : Lumbar Support Motor	19	
CLIMATE CONTROLLED SEAT SYSTEM : Seat Cushion Thermal Electric Device	11	HEATED SEAT SYSTEM	19	O
CLIMATE CONTROLLED SEAT SYSTEM : Seat Back Thermal Electric Device	11	HEATED SEAT SYSTEM : Component Parts Location	20	
CLIMATE CONTROLLED SEAT SYSTEM : Climate Controlled Seat Blower Motor	12	HEATED SEAT SYSTEM : Front Heated Seat Switch	21	P
CLIMATE CONTROLLED SEAT SYSTEM : Climate Controlled Seat Control Unit	12	HEATED SEAT SYSTEM : Rear Heated Seat Switch	21	
SECOND ROW SEATBACK POWER RETURN SYSTEM	12	HEATED SEAT SYSTEM : Front Seat Heater	21	
SECOND ROW SEATBACK POWER RETURN SYSTEM : Component Parts Location	12	HEATED SEAT SYSTEM : Rear Seat Heater	21	
SECOND ROW SEATBACK POWER RETURN SYSTEM : Front Power Return Switch	14	SYSTEM	22	
		CLIMATE CONTROLLED SEAT SYSTEM	22	

F
G

H
I

J
K

L
M

N
O

P

CLIMATE CONTROLLED SEAT SYSTEM : System Description	22	CLIMATE CONTROLLED SEAT CONTROL UNIT : Diagnosis Procedure	66
SECOND ROW SEATBACK POWER RETURN SYSTEM	22	CLIMATE CONTROLLED SEAT CONTROL UNIT : Component Inspection	69
SECOND ROW SEATBACK POWER RETURN SYSTEM : System Description	23	REAR SEATBACK POWER RETURN CONTROL UNIT	69
POWER SEAT SYSTEM	25	REAR SEATBACK POWER RETURN CONTROL UNIT : Diagnosis Procedure	69
POWER SEAT SYSTEM : System Description	25	CLIMATE CONTROLLED SEAT SWITCH	71
LUMBAR SUPPORT SYSTEM	26	Component Function Check	71
LUMBAR SUPPORT SYSTEM : System Description	26	Diagnosis Procedure	71
HEATED SEAT SYSTEM	26	Component Inspection	73
HEATED SEAT SYSTEM : System Description	26	SEATBACK THERMAL ELECTRIC DEVICE ...	74
ECU DIAGNOSIS INFORMATION	27	Component Function Check	74
CLIMATE CONTROLLED SEAT CONTROL UNIT	27	Diagnosis Procedure	74
Reference Value	27	SEATBACK THERMAL ELECTRIC DEVICE SENSOR	76
Fail-safe	28	Component Function Check	76
REAR SEATBACK POWER RETURN CONTROL UNIT	30	Diagnosis Procedure	76
Reference Value	30	Component Inspection	77
Fail-safe	32	SEAT CUSHION THERMAL ELECTRIC DEVICE	78
WIRING DIAGRAM	33	Component Function Check	78
POWER SEAT FOR DRIVER SIDE WITHOUT AUTOMATIC DRIVE POSITIONER	33	Diagnosis Procedure	78
Wiring Diagram	33	SEAT CUSHION THERMAL ELECTRIC DEVICE SENSOR	80
POWER SEAT FOR PASSENGER SIDE	37	Component Function Check	80
Wiring Diagram	37	Diagnosis Procedure	80
LUMBAR SUPPORT SYSTEM	40	Component Inspection	81
Wiring Diagram	40	CLIMATE CONTROLLED SEAT BLOWER MOTOR	82
HEATED SEAT SYSTEM	43	Component Function Check	82
Wiring Diagram	43	Diagnosis Procedure	82
CLIMATE CONTROLLED SEAT SYSTEM	50	CLIMATE CONTROLLED SEAT SWITCH INDICATOR	85
Wiring Diagram	50	Component Function Check	85
SECOND ROW SEATBACK POWER RETURN SYSTEM	58	Diagnosis Procedure	85
Wiring Diagram	58	CLIMATE CONTROLLED SEAT BLOWER FILTER	87
BASIC INSPECTION	64	Diagnosis Procedure	87
DIAGNOSIS AND REPAIR WORK FLOW	64	POWER RETURN SWITCH	88
Work Flow	64	FRONT POWER RETURN SWITCH	88
DTC/CIRCUIT DIAGNOSIS	66	FRONT POWER RETURN SWITCH : Component Function Check	88
POWER SUPPLY AND GROUND CIRCUIT	66	FRONT POWER RETURN SWITCH : Diagnosis Procedure	88
CLIMATE CONTROLLED SEAT CONTROL UNIT...	66	REAR POWER RETURN SWITCH LH	89
		REAR POWER RETURN SWITCH LH : Component Function Check	89

REAR POWER RETURN SWITCH LH : Diagnosis Procedure	89	Work Flow	107	
REAR POWER RETURN SWITCH RH	90	Generic Squeak and Rattle Troubleshooting	108	A
REAR POWER RETURN SWITCH RH : Component Function Check	90	Diagnostic Worksheet	111	
REAR POWER RETURN SWITCH RH : Diagnosis Procedure	90	REMOVAL AND INSTALLATION	113	B
Component Inspection	91	FRONT SEAT	113	
RETURN POSITION LIMIT SWITCH	93	Exploded View	113	C
RETURN POSITION LIMIT SWITCH LH	93	Removal and Installation	123	
RETURN POSITION LIMIT SWITCH LH : Diagnosis Procedure	93	Seatback Board	124	D
RETURN POSITION LIMIT SWITCH RH	94	Seat Hinge Cover	125	
RETURN POSITION LIMIT SWITCH RH : Diagnosis Procedure	94	Seatback Thermal Electric Device	125	E
Component Inspection	95	Seat Cushion Thermal Electric Device	126	
PRIMARY POSITION LIMIT SWITCH	96	Climate Controlled Seat Blower Motor	126	F
PRIMARY POSITION LIMIT SWITCH LH	96	Climate Controlled Seat Switch	127	
PRIMARY POSITION LIMIT SWITCH LH : Diagnosis Procedure	96	Climate Controlled Seat Control Unit	127	G
PRIMARY POSITION LIMIT SWITCH RH	97	Front Heated Seat Switch	128	
PRIMARY POSITION LIMIT SWITCH RH : Diagnosis Procedure	97	Front Seat Heater	128	H
Component Inspection	98	Power Seat Switch	129	
POWER RETURN MOTOR	99	Lumbar Support Switch	130	I
LH	99	SECOND ROW SEATS	132	
LH : Diagnosis Procedure	99	Exploded View	132	G
RH	99	Removal and Installation	135	
RH : Diagnosis Procedure	99	Armrest Assembly	137	H
MOTOR SENSOR	101	Seat Cushion	138	
LH	101	Recline Release Cable Assembly	138	I
LH : Diagnosis Procedure	101	Second Row Heated Seat Switch	139	
RH	102	Second Row Seat Heater	140	
RH : Diagnosis Procedure	102	POWER RETURN SWITCH	142	
SYMPTOM DIAGNOSIS	105	Front Power Return Switch	142	SE
CLIMATE CONTROLLED SEAT SYSTEM	105	Rear Power Return Switch	142	
Symptom Table	105	SEATBACK POWER RETURN CONTROL UNIT	144	
THIRD ROW SEATBACK POWER RETURN SYSTEM	106	Explode View	144	K
Symptom Table	106	Removal and Installation	144	
SQUEAK AND RATTLE TROUBLE DIAGNOSES	107	UNIT DISASSEMBLY AND ASSEMBLY	145	L
		FRONT SEAT	145	
		Exploded View	145	M
		Seatback	155	
		Seat Cushion	158	
		SECOND ROW SEAT	161	N
		Exploded View	161	
		LH SEAT	164	O
		LH SEAT : Seatback	164	
		LH SEAT : Seat Cushion	165	
		RH SEAT	166	P
		RH SEAT : Seatback	166	
		RH SEAT : Seat Cushion	167	

PRECAUTIONS

< PRECAUTION >

PRECAUTION

PRECAUTIONS

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

INFOID:000000012876401

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, it is recommended that all maintenance and repair be performed by an authorized NISSAN/INFINITI dealer.
- Improper repair, 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 or batteries and wait at least three minutes before performing any service.

Precaution for Work

INFOID:000000012876402

- 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 >

PREPARATION

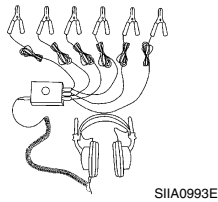
PREPARATION

Special Service Tool

INFOID:000000012876403

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

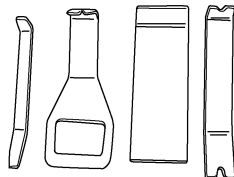
Tool number (TechMate No.) Tool name	Description
— (J-39570) Chassis Ear	Locating the noise
— (J-50397) NISSAN Squeak and Rattle Kit	Repairing the cause of noise
— (J-46534) Trim Tool Set	Removing trim components



SIIA0993E



ALJIA1232ZZ

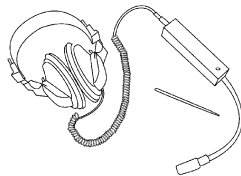


AWJIA0483ZZ

Commercial Service Tool

INFOID:000000012876404

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



SIIA0995E

CLIP LIST


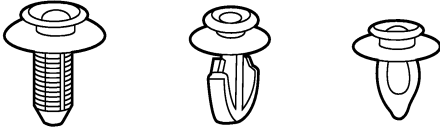


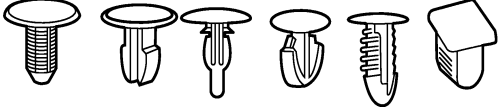
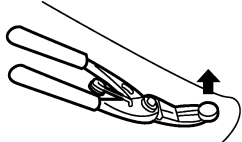

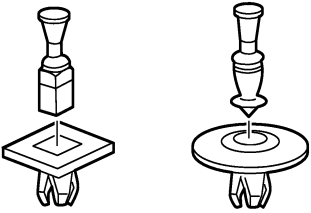
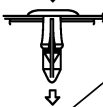
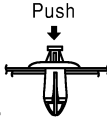

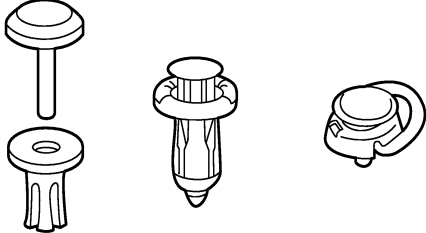
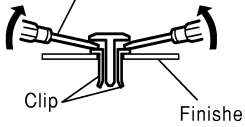

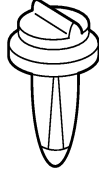
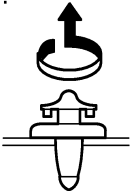
< PREPARATION >

CLIP LIST

Descriptions for Clips

INFOID:000000012876405


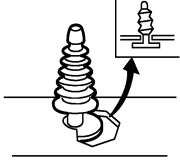
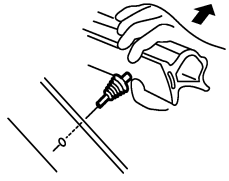

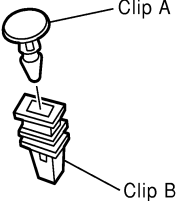
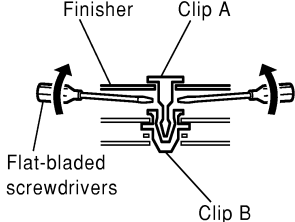

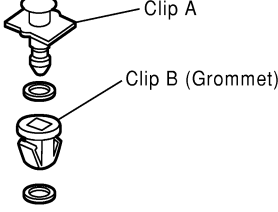
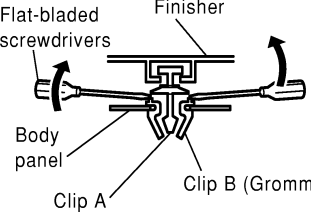


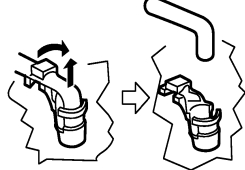

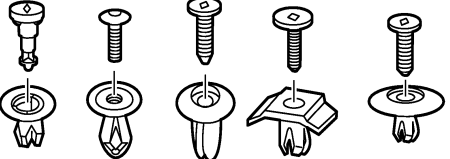

Replace any clips which are damaged during removal or installation.

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

SIIA0315E

CLIP LIST

< PREPARATION >


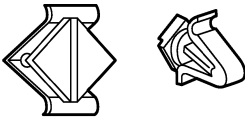

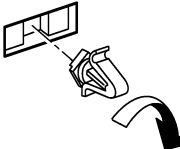

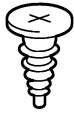



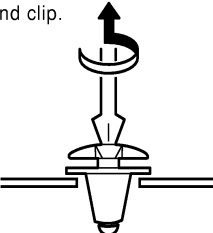


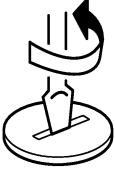
Symbol No.	Shapes	Removal & Installation
<p>CE103</p> 		<p>Removal:</p> 
<p>CF110</p> 		<p>Removal:</p> 
<p>CF118</p> 		<p>Removal:</p> 
<p>CR103</p> 		<p>Removal: Holder portion of clip must be spread out to remove rod.</p> 
<p>CS101</p> 		<p>Removal:</p> <ol style="list-style-type: none"> 1. Screw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

SIIA0316E

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

CLIP LIST


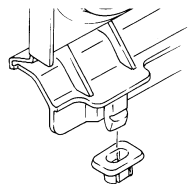
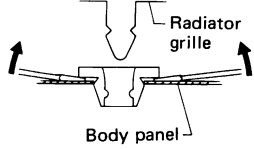
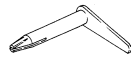
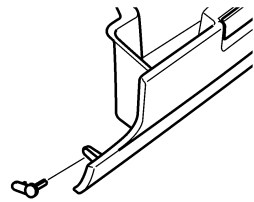
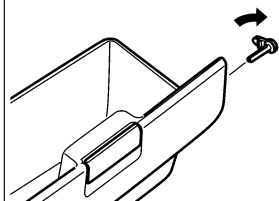

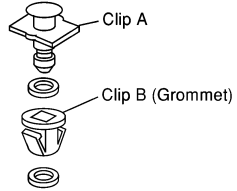
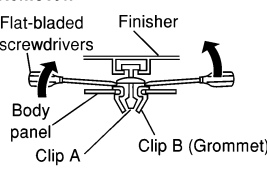
< PREPARATION >

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

SIIA0317E

CLIP LIST

< PREPARATION >

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

ALJIA0564GB

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

SE

COMPONENT PARTS

< SYSTEM DESCRIPTION >

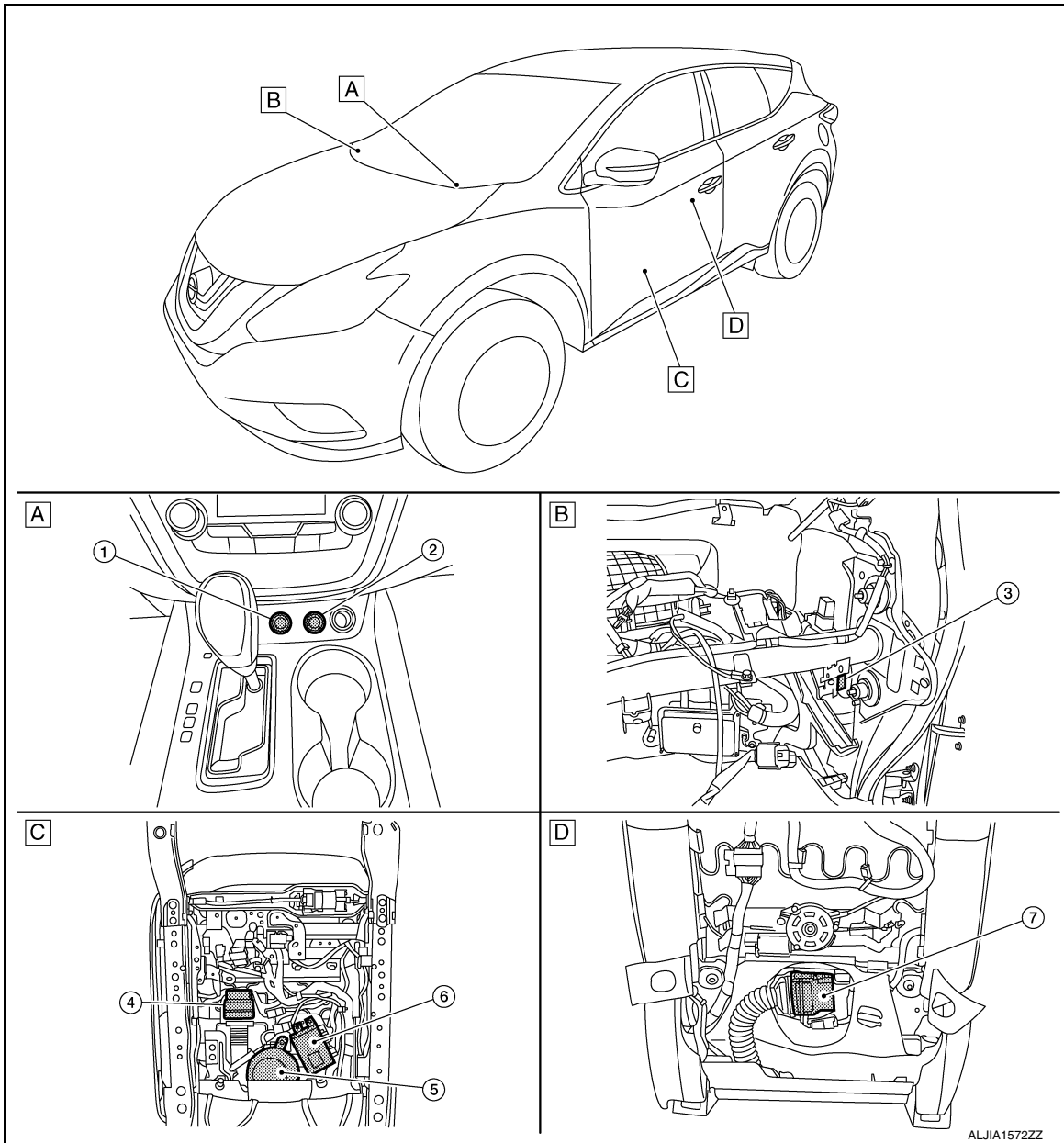
SYSTEM DESCRIPTION

COMPONENT PARTS

CLIMATE CONTROLLED SEAT SYSTEM

CLIMATE CONTROLLED SEAT SYSTEM : Component Parts Location

INFOID:000000012876406



- A. Front of center console
- B. Instrument panel RH (view with instrument panel removed)
- C. Drivers seat bottom (view with seat removed)
- D. Drivers seat back (view with seat removed)

No.	Component	Function
1.	Climate controlled seat switch (driver seat)	Refer to SE-11, "CLIMATE CONTROLLED SEAT SYSTEM : Climate Controlled Seat Switch" .
2.	Climate controlled seat switch (passenger seat)	Refer to SE-11, "CLIMATE CONTROLLED SEAT SYSTEM : Climate Controlled Seat Switch" .

COMPONENT PARTS

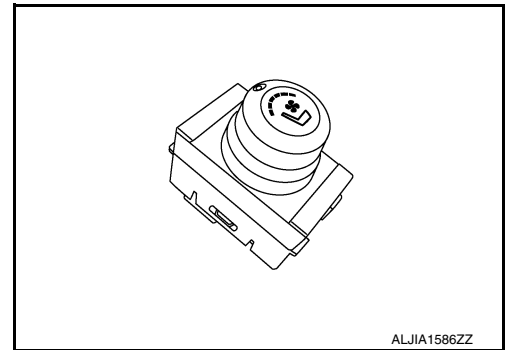
< SYSTEM DESCRIPTION >

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.	Seat cushion thermal electric device	Refer to SE-11. "CLIMATE CONTROLLED SEAT SYSTEM : Seat Cushion Thermal Electric Device" .
5.	Climate controlled seat blower motor	Refer to SE-12. "CLIMATE CONTROLLED SEAT SYSTEM : Climate Controlled Seat Blower Motor" .
6.	Climate controlled seat control unit	Refer to SE-12. "CLIMATE CONTROLLED SEAT SYSTEM : Climate Controlled Seat Control Unit" .
7.	Seatback thermal electric device	Refer to SE-11. "CLIMATE CONTROLLED SEAT SYSTEM : Seat Back Thermal Electric Device" .

CLIMATE CONTROLLED SEAT SYSTEM : Climate Controlled Seat Switch

INFOID:0000000012876407

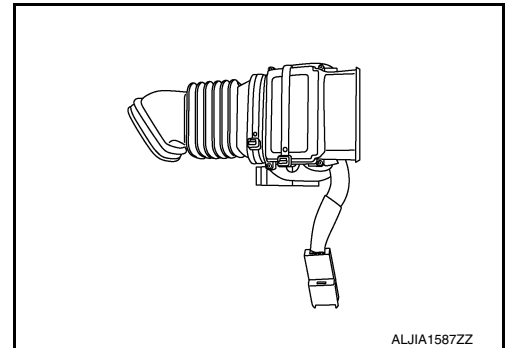
Installed in the center console and transmits signals to climate controlled seat control unit in accordance with the HEAT (heated airflow) or COOL (cooled airflow) switch operation and the temperature switch operation.



CLIMATE CONTROLLED SEAT SYSTEM : Seat Cushion Thermal Electric Device

INFOID:0000000012876408

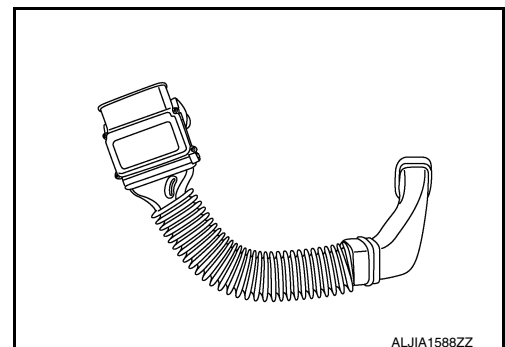
Installed in the seat cushion and heats or cools the airflow from the climate controlled seat blower motor in accordance with the control from the climate controlled seat control unit.



CLIMATE CONTROLLED SEAT SYSTEM : Seat Back Thermal Electric Device

INFOID:0000000012876409

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.



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

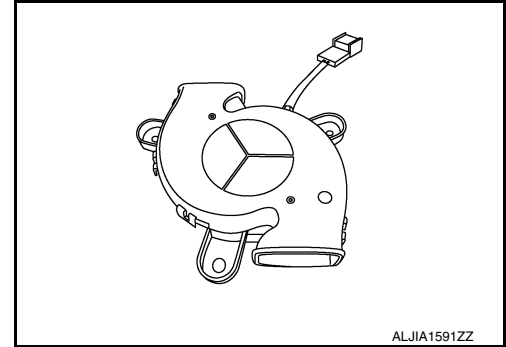
COMPONENT PARTS

< SYSTEM DESCRIPTION >

CLIMATE CONTROLLED SEAT SYSTEM : Climate Controlled Seat Blower Motor

INFOID:0000000012876410

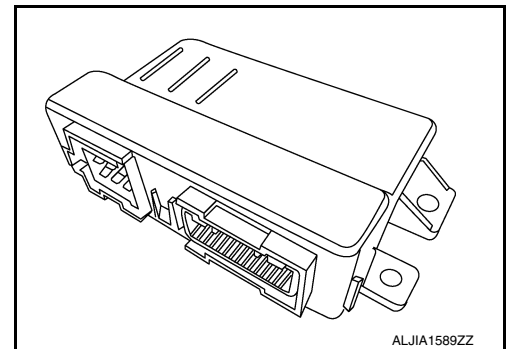
Installed in the seat cushion and sends the airflow to the seatback thermal electric device and seat cushion thermal electric device in accordance with the control from the climate controlled seat control unit.



CLIMATE CONTROLLED SEAT SYSTEM : Climate Controlled Seat Control Unit

INFOID:0000000012876411

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.



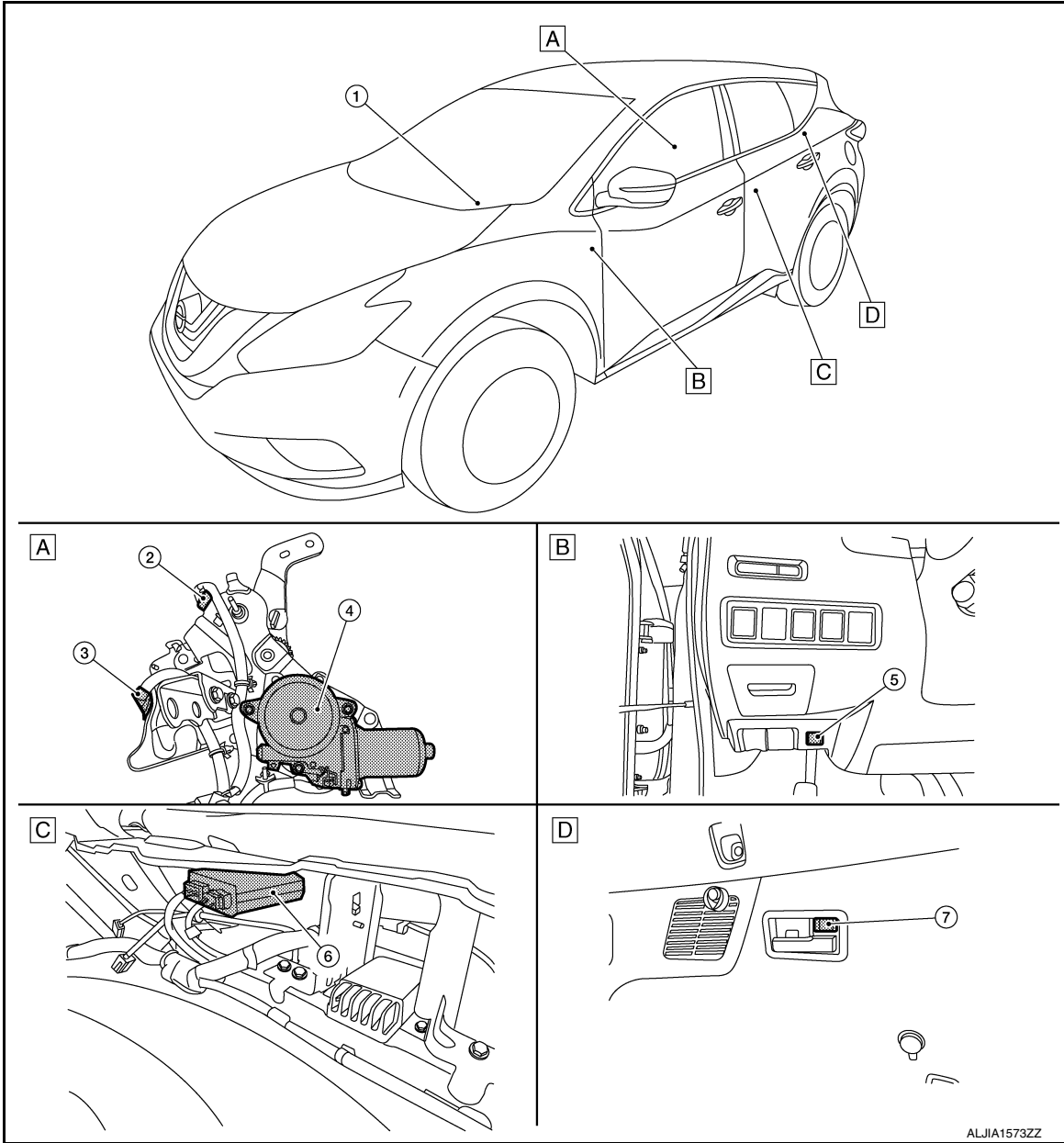
SECOND ROW SEATBACK POWER RETURN SYSTEM

COMPONENT PARTS

< SYSTEM DESCRIPTION >

SECOND ROW SEATBACK POWER RETURN SYSTEM : Component Parts Location

INFOID:0000000012876412



- A. Power return motor assembly (View with assembly removed) B. Instrument panel LH
 C. Luggage room rear (view with floor removed)
 D. Luggage room finisher LH

No.	Item	Function
1.	Combination meter	Transmits the vehicle speed signal.
2.	Primary position limit switch	Refer to SE-14, "SECOND ROW SEATBACK POWER RETURN SYSTEM : Primary Position Limit Switch" .
3.	Return complete limit switch	Refer to SE-14, "SECOND ROW SEATBACK POWER RETURN SYSTEM : Return Position Limit Switch" .
4.	Power return motor	Refer to SE-15, "SECOND ROW SEATBACK POWER RETURN SYSTEM : Power Return Motor Assembly" .
5.	Front power return switch	Refer to SE-14, "SECOND ROW SEATBACK POWER RETURN SYSTEM : Front Power Return Switch" .

COMPONENT PARTS

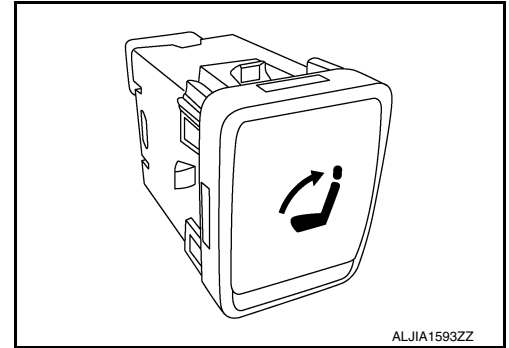
< SYSTEM DESCRIPTION >

6.	Rear seatback power return control unit	Refer to SE-15. "SECOND ROW SEATBACK POWER RETURN SYSTEM : Rear Seatback Power Return Control Unit" .
7.	Rear power return switch	Refer to SE-14. "SECOND ROW SEATBACK POWER RETURN SYSTEM : Rear Power Return Switch" .

SECOND ROW SEATBACK POWER RETURN SYSTEM : Front Power Return Switch

INFOID:000000012876413

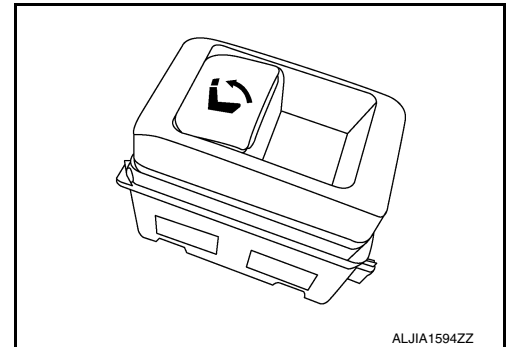
Installed in the instrument panel on the left side. When pressed the rear seatback power return control unit detects the power return ON signal and supplies the power to the power return motors.



SECOND ROW SEATBACK POWER RETURN SYSTEM : Rear Power Return Switch

INFOID:000000012876414

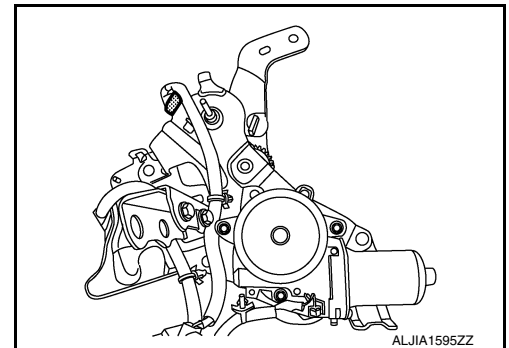
Installed in the rear luggage room. When pressed the rear seatback power return control unit detects the power return ON signal and supplies the power to the power return motor.



SECOND ROW SEATBACK POWER RETURN SYSTEM : Primary Position Limit Switch

INFOID:000000012876415

Detects the initial position of the sector gear.



SECOND ROW SEATBACK POWER RETURN SYSTEM : Return Position Limit

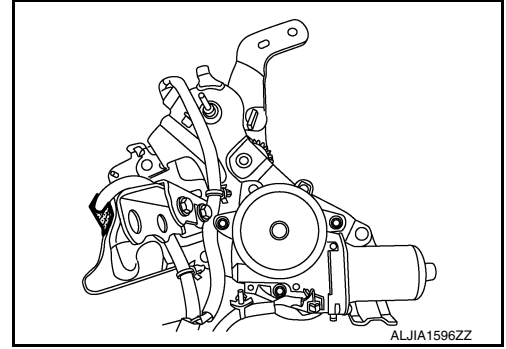
COMPONENT PARTS

< SYSTEM DESCRIPTION >

Switch

INFOID:000000012876416

Detects the return position of the rear seatback.

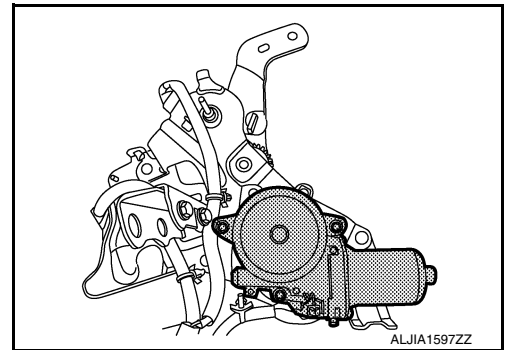


ALJJA1596ZZ

SECOND ROW SEATBACK POWER RETURN SYSTEM : Power Return Motor Assembly

INFOID:000000012876417

Operates the rear seatback.

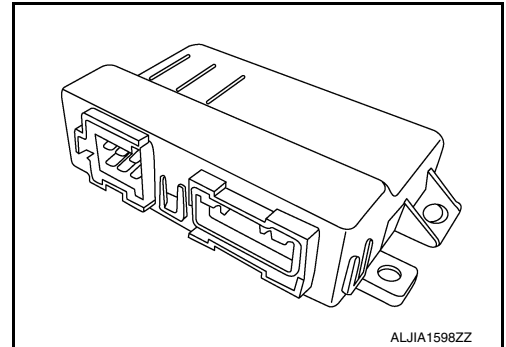


ALJJA1597ZZ

SECOND ROW SEATBACK POWER RETURN SYSTEM : Rear Seatback Power Return Control Unit

INFOID:000000012876418

Controls the rear seatback power return system.



ALJJA1598ZZ

POWER SEAT SYSTEM

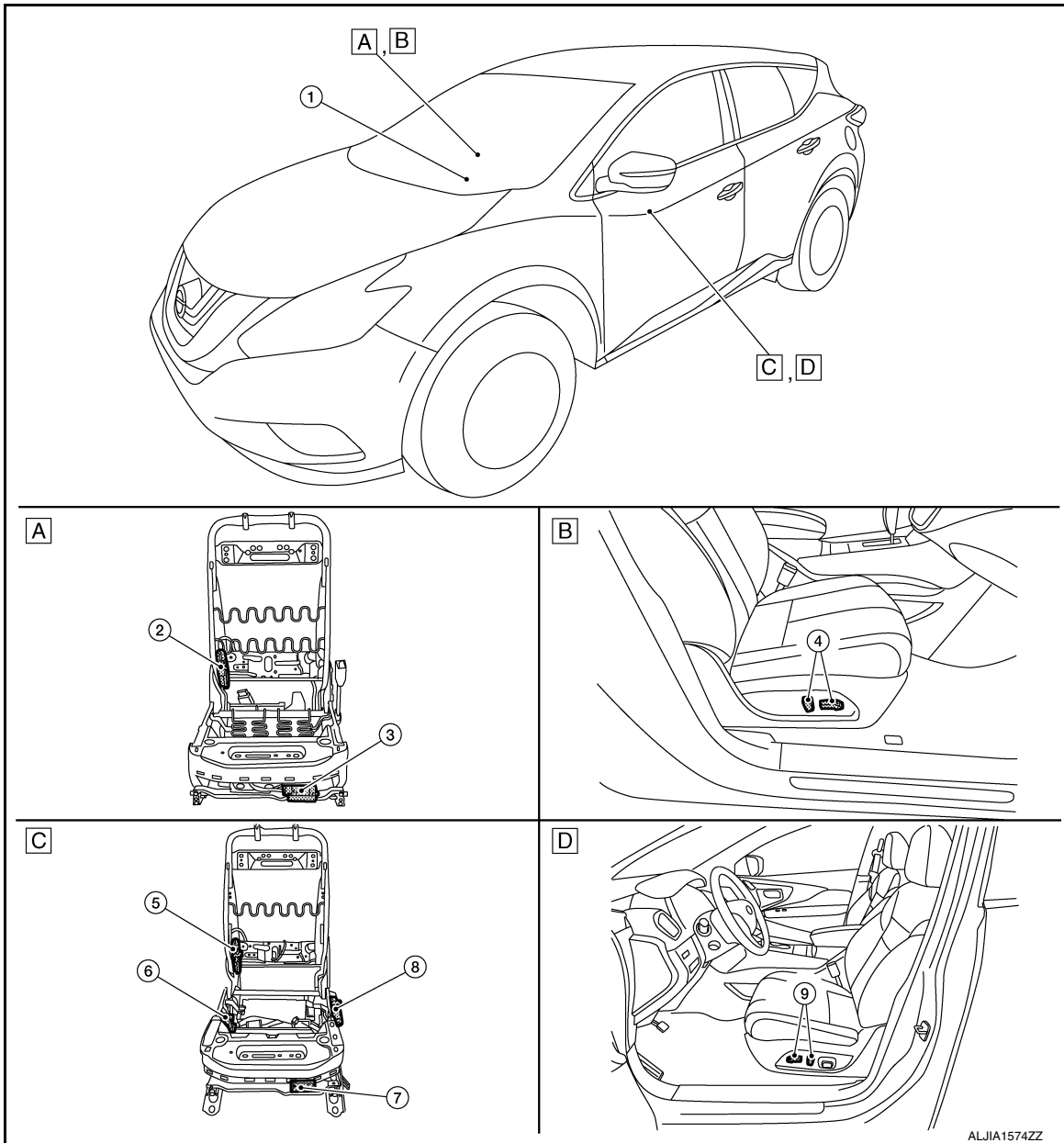
A
B
C
D
E
F
G
H
I
SE
K
L
M
N
O
P

COMPONENT PARTS

< SYSTEM DESCRIPTION >

POWER SEAT SYSTEM : Component Parts Location

INFOID:000000012876419



- A. Passenger seat (view with cushion removed) B. RH side of passengers seat C. Drivers seat (view with cushion removed)
- D. LH side of drivers seat

No.	Component	Function
1.	BCM	Supplies the power received from battery to power seat switch.
2.	Reclining motor (passenger side)	Refer to SE-18. "POWER SEAT SYSTEM : Reclining Motor"
3.	Sliding motor (passenger side)	Refer to SE-17. "POWER SEAT SYSTEM : Sliding Motor"
4.	Power seat switch (passenger side)	Refer to SE-17. "POWER SEAT SYSTEM : Power Seat Switch" .
5.	Reclining motor (driver side)	Refer to SE-18. "POWER SEAT SYSTEM : Reclining Motor"

COMPONENT PARTS

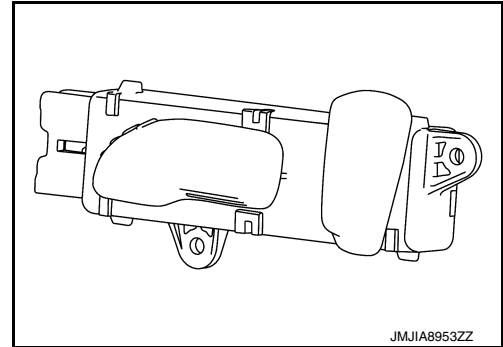
< SYSTEM DESCRIPTION >

No.	Component	Function
6	Lifting motor (rear) (driver side)	Refer to SE-17, "POWER SEAT SYSTEM : Lifting Motor"
7.	Sliding motor (driver side)	Refer to SE-17, "POWER SEAT SYSTEM : Sliding Motor"
8.	Lifting motor (front) (driver side)	Refer to SE-17, "POWER SEAT SYSTEM : Lifting Motor"
9.	Power seat switch (driver side)	Refer to SE-17, "POWER SEAT SYSTEM : Power Seat Switch" .

POWER SEAT SYSTEM : Power Seat Switch

INFOID:0000000012876420

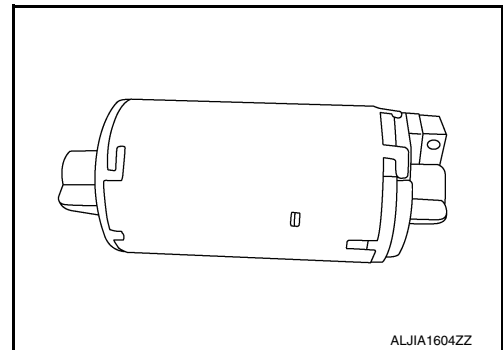
- Built-in reclining switch, sliding switch and lifting switch, controls the power supplied to each motor.
- Installed on seat cushion outer finisher.



POWER SEAT SYSTEM : Sliding Motor

INFOID:0000000012876421

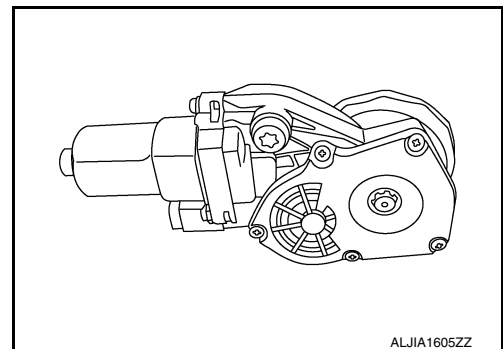
- Sliding motor is installed to the seat frame assembly.
- Slides the seat forward/backward by changing the rotation direction of sliding motor.



POWER SEAT SYSTEM : Lifting Motor

INFOID:0000000012876422

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



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

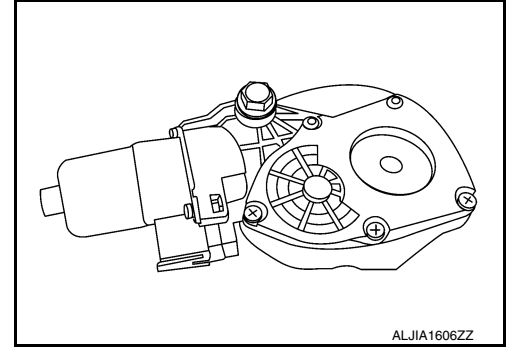
COMPONENT PARTS

< SYSTEM DESCRIPTION >

POWER SEAT SYSTEM : Reclining Motor

INFOID:000000012876423

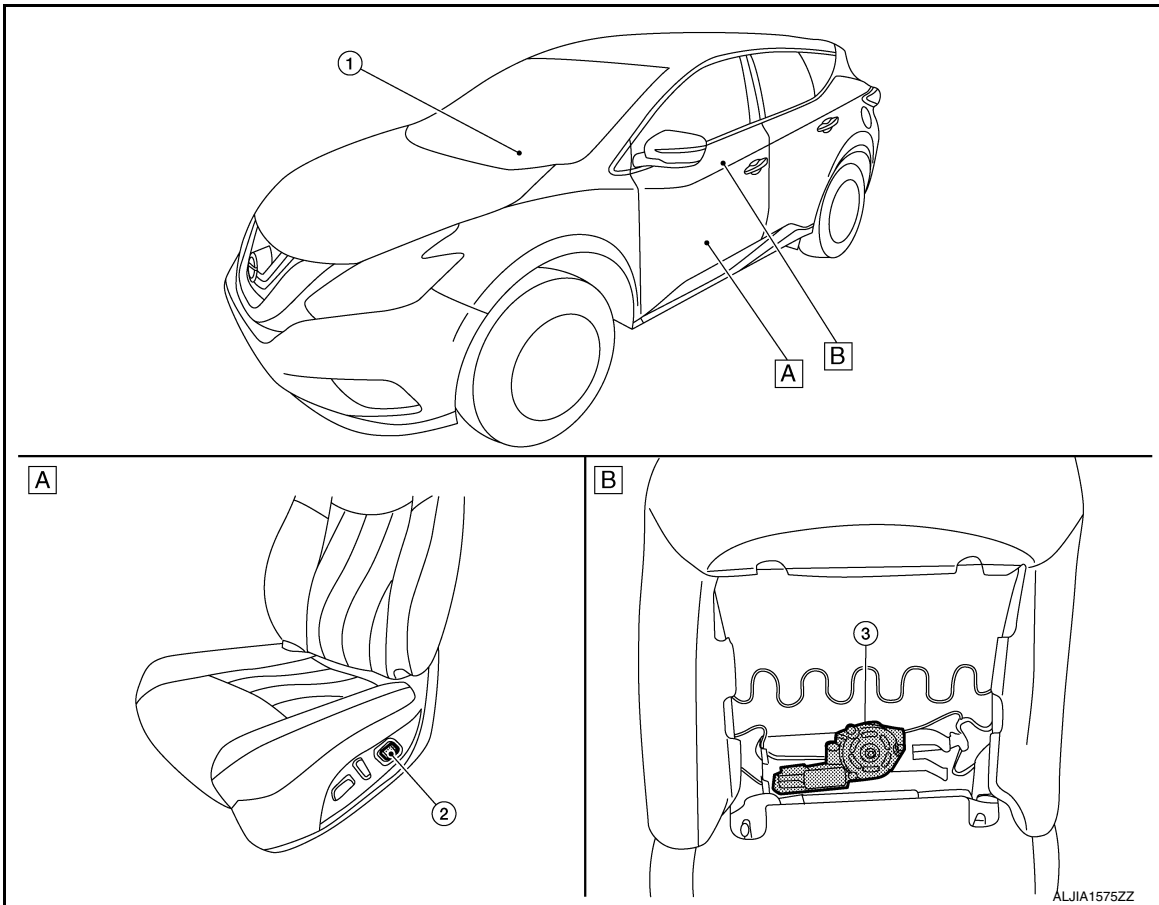
- Reclining motor is installed to seat frame assembly.
- Seatback is reclined forward/backward by changing the rotation direction of reclining motor.



LUMBAR SUPPORT SYSTEM

LUMBAR SUPPORT SYSTEM : Component Parts Location

INFOID:000000012876424



A. LH side of drivers seat

B. Back side of drivers seat

No.	Component	Function
1.	BCM	Supplies power from battery to lumbar support switch.
2.	Lumbar support switch	Refer to SE-18, "LUMBAR SUPPORT SYSTEM : Lumbar Support Switch" .
3.	Lumbar support motor	Refer to SE-19, "LUMBAR SUPPORT SYSTEM : Lumbar Support Motor" .

LUMBAR SUPPORT SYSTEM : Lumbar Support Switch

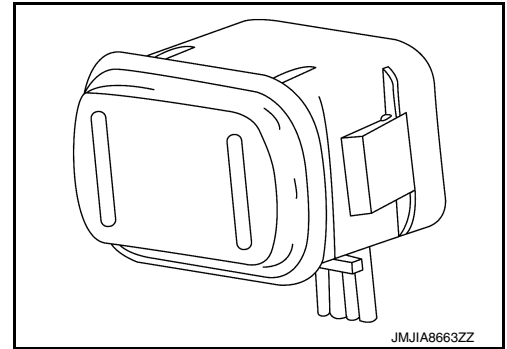
INFOID:000000012876425

- Controls the power supplied to lumbar support motor.

COMPONENT PARTS

< SYSTEM DESCRIPTION >

- Installed on seat cushion outer finisher (driver side).

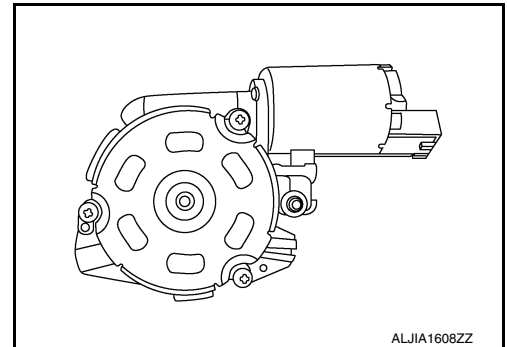


A
B
C
D

LUMBAR SUPPORT SYSTEM : Lumbar Support Motor

INFOID:000000012876426

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



E
F
G
H

HEATED SEAT SYSTEM

I

SE

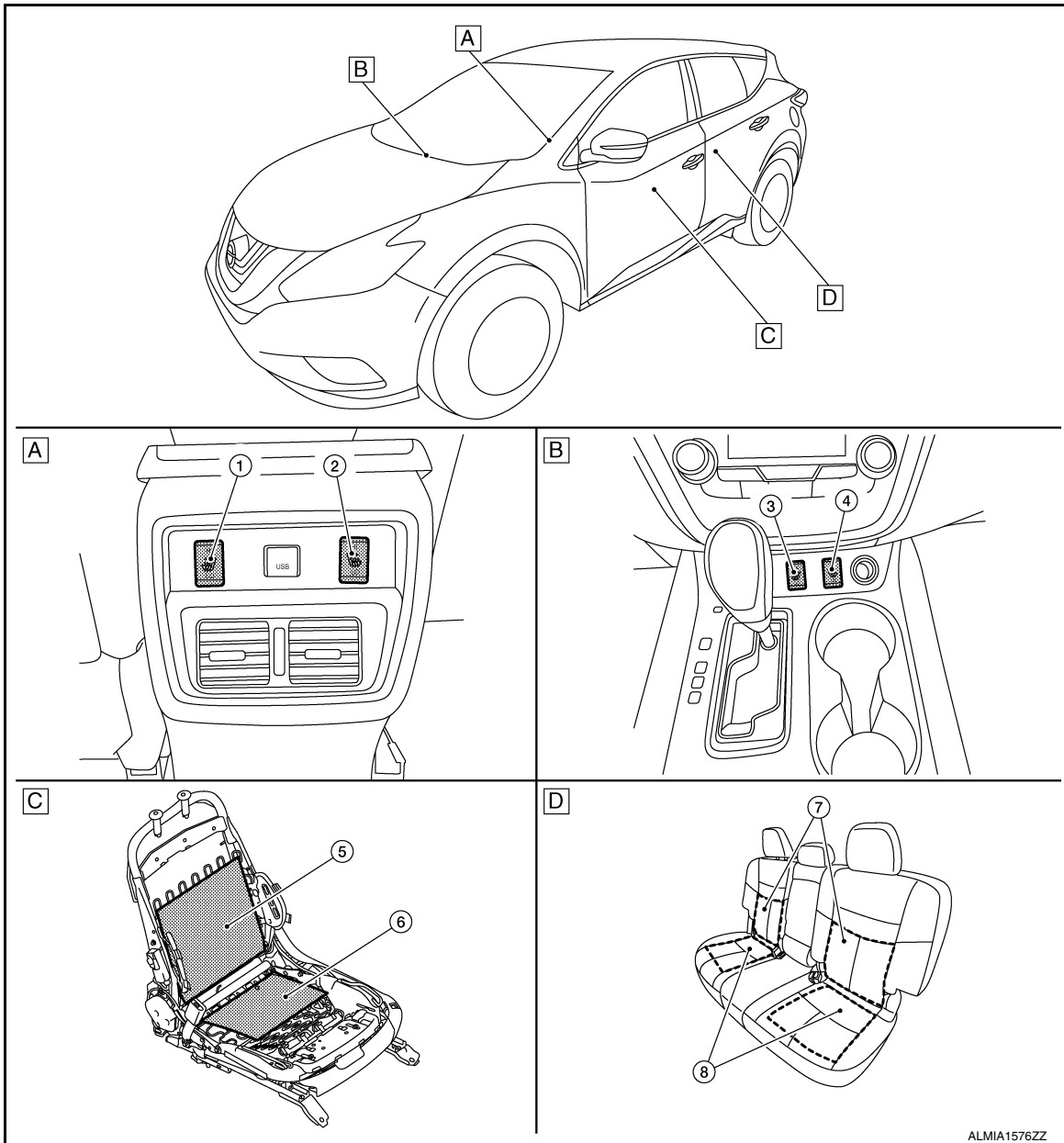
K
L
M
N
O
P

COMPONENT PARTS

< SYSTEM DESCRIPTION >

HEATED SEAT SYSTEM : Component Parts Location

INFOID:000000012876427



A. Rear of center console

B. Front of center console

C. Front seat (view with seat removed)

D. Rear seats

No.	Component	Function
1.	Rear heated switch LH	Refer to SE-21. "HEATED SEAT SYSTEM : Rear Heated Seat Switch" .
2.	Rear heated switch RH	
3.	Front heated seat switch LH	Refer to SE-21. "HEATED SEAT SYSTEM : Front Heated Seat Switch" .
4.	Front heated seat switch RH	
5.	Front seatback heater	Refer to SE-21. "HEATED SEAT SYSTEM : Front Seat Heater" .
6.	Front seat cushion heater	
7.	Rear seatback heater	Refer to SE-21. "HEATED SEAT SYSTEM : Rear Seat Heater" .
8.	Rear seat cushion heater	

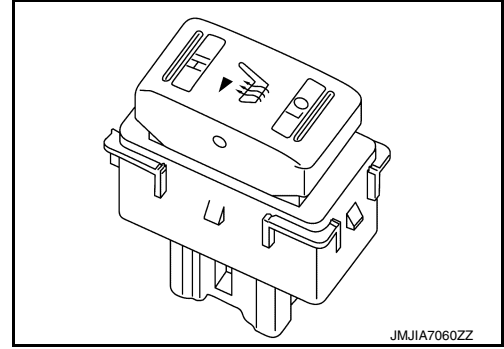
COMPONENT PARTS

< SYSTEM DESCRIPTION >

HEATED SEAT SYSTEM : Front Heated Seat Switch

INFOID:000000012876428

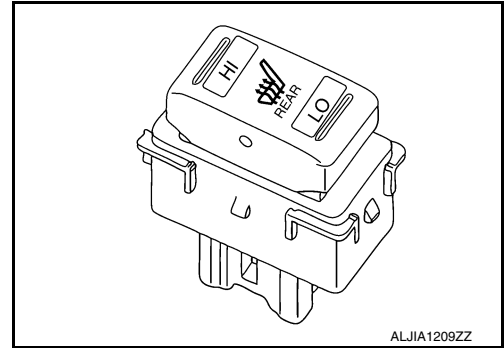
Front heated seat switch changes ON/OFF operation and HIGH/LOW operation, and supplies power source to front heated seats.



HEATED SEAT SYSTEM : Rear Heated Seat Switch

INFOID:000000012876429

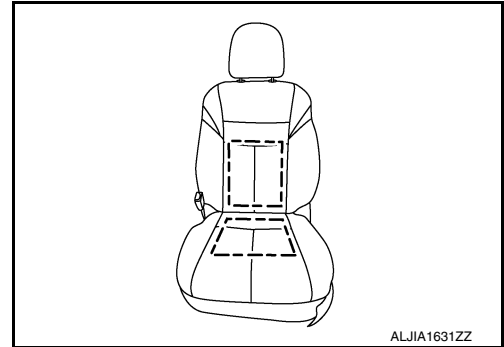
Rear heated seat switch changes ON/OFF operation and HIGH/LOW operation, and supplies power source to rear heated seats.



HEATED SEAT SYSTEM : Front Seat Heater

INFOID:000000012876430

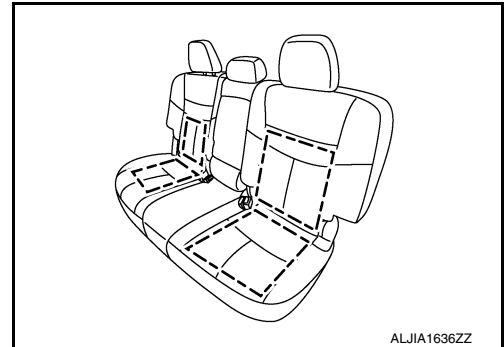
Front seat heater is located inside of front heated seat cushion and seat back, and operates with power source provided via front heated seat switch.



HEATED SEAT SYSTEM : Rear Seat Heater

INFOID:000000012876431

Rear seat heater is located inside of rear heated seat cushion, and operates with power source provided via rear heated seat switch.



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

SYSTEM

< SYSTEM DESCRIPTION >

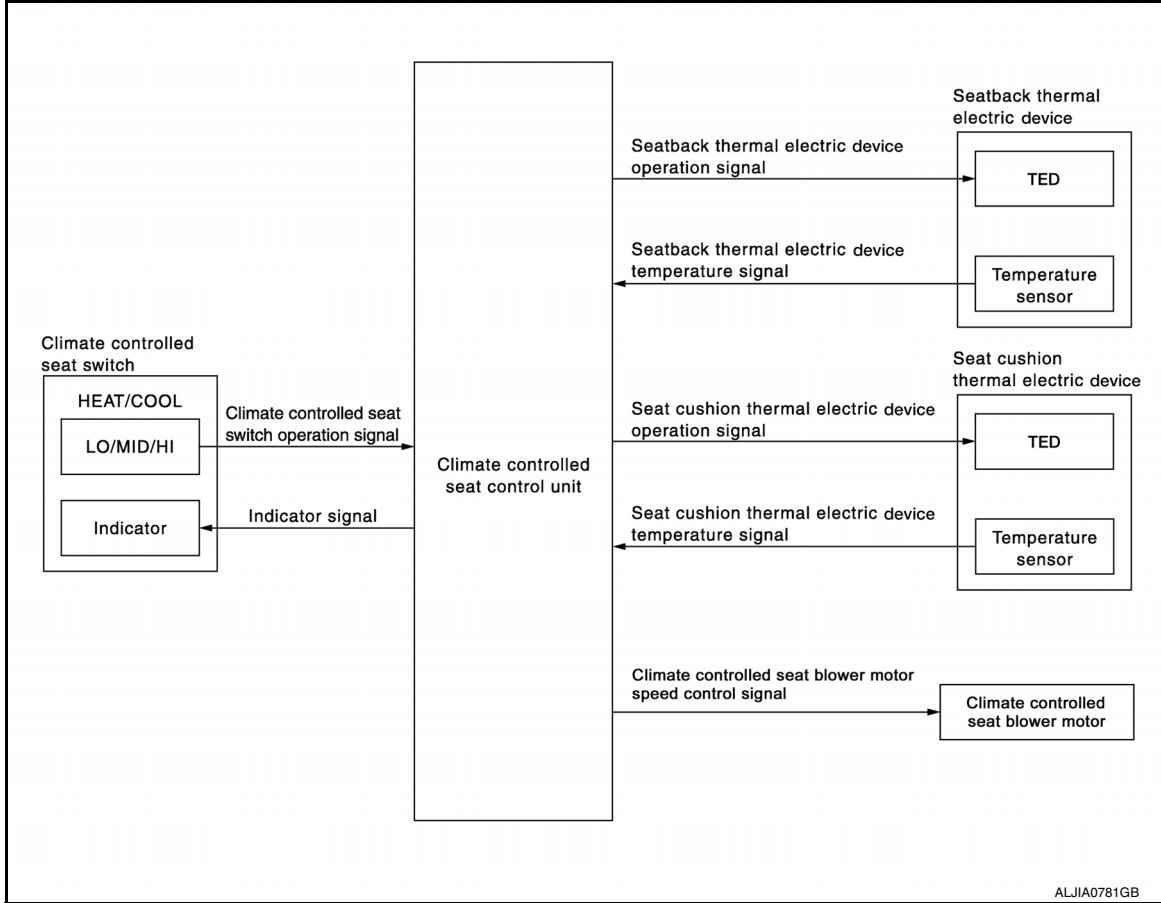
SYSTEM

CLIMATE CONTROLLED SEAT SYSTEM

CLIMATE CONTROLLED SEAT SYSTEM : System Description

INFOID:000000012876432

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-28, "Fail-safe"](#).

SECOND ROW SEATBACK POWER RETURN SYSTEM

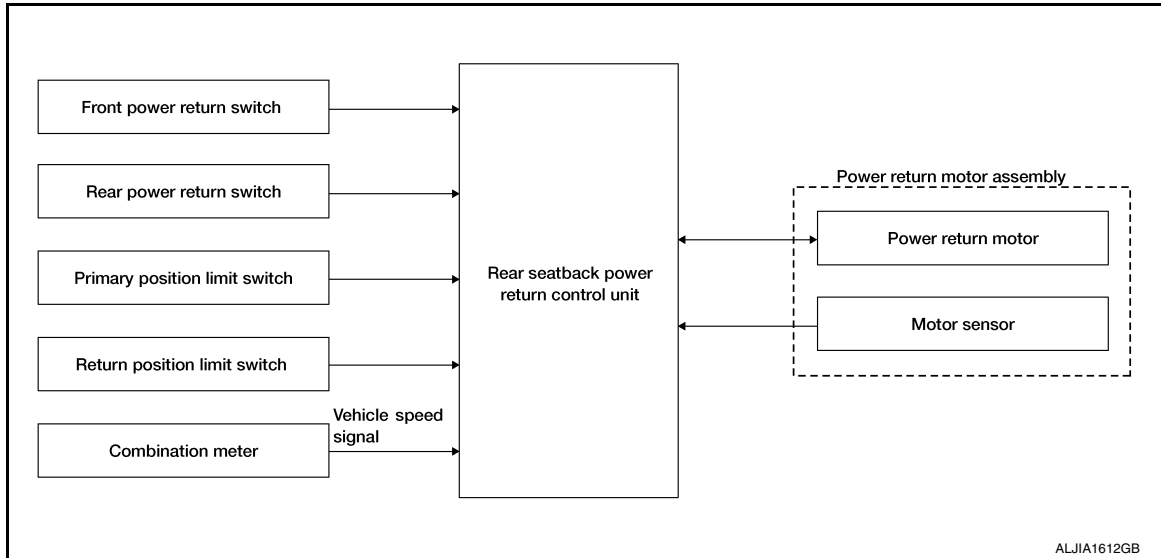
SYSTEM

< SYSTEM DESCRIPTION >

SECOND ROW SEATBACK POWER RETURN SYSTEM : System Description

INFOID:0000000012876433

SYSTEM DIAGRAM



DESCRIPTION

- The rear seat back power return system is the system that enables the return operation of the left and right rear seatbacks independently by pressing and holding the power return switch in the luggage room or at the same time from the (single) instrument panel switch.
- As for the safety mechanism, the reverse operation is performed if the power return switch is released during the return operation. The anti-pitch function is installed so that the automatic reverse operation is performed if the pinching of foreign materials between the left and right rear seatbacks is detected.

OPERATION DESCRIPTION

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

Return Operation Starting Condition

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

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

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

- In the condition that the rear seatback is raised (return completion position), the sector gear is in the initial position and the primary position limit switch and return complete limit switch are OFF.
- When manually operating the rear seatback to the fold-down position, the return complete limit switch turns ON, and the rear seatback power return control unit judges that the rear seatback is tilted (return non-completion position).
- When pressing the power return switch on the instrument panel or in the luggage room, the rear seatback power return control unit detects the power return ON signal and supplies the power to the power return motor. Then, the rear seatback power return control unit sounds the operation start buzzer.

SYSTEM

< SYSTEM DESCRIPTION >

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

NOTE:

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

ANTI-PINCH OPERATION

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

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

SECTOR GEAR REVERSE STARTING CONDITION

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

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

SECTOR GEAR REVERSE STOP CONDITION

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

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

NOTE:

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

POWER CONSUMPTION CONTROL SYSTEM

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

Low Power Consumption Mode

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

SYSTEM

< SYSTEM DESCRIPTION >

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

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

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

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

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

INPUT/OUTPUT SIGNAL CHART

Item	Input signal to rear seatback power return control unit	Rear seatback power return function	Actuator
Power return switch	Power return switch signal	Rear seatback power return control	Power return motor
Primary position limit switch	Primary position limit switch signal		
Return position limit switch	Return position limit switch signal		
Motor sensor	Motor sensor signal		
Combination meter	Vehicle speed signal		

BUZZER OPERATION PATTERN AND ORDER OF PRIORITY

Operation type	Sound pattern	Priority
Malfunction	<p style="text-align: center;">JMJA1396ZZ</p>	1
Return operation completed	<p style="text-align: center;">JMJA1395ZZ</p>	2
Start return operation	<p style="text-align: center;">JMJA1394ZZ</p>	3

POWER SEAT SYSTEM

POWER SEAT SYSTEM : System Description

INFOID:000000012876434

DESCRIPTION

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

Sliding Operation

SYSTEM

< SYSTEM DESCRIPTION >

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:0000000012876435

DESCRIPTION

- Lumbar support can operate regardless of the ignition switch position, because power supply is always supplied to lumbar 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:0000000012876436

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.

CLIMATE CONTROLLED SEAT CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

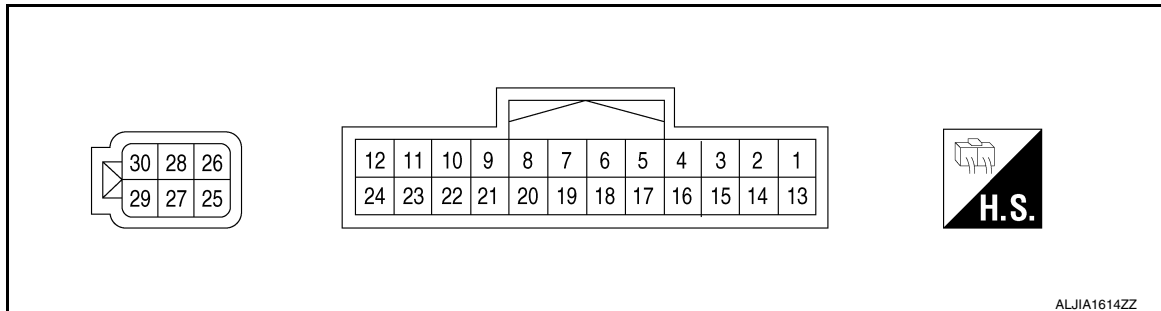
ECU DIAGNOSIS INFORMATION

CLIMATE CONTROLLED SEAT CONTROL UNIT

Reference Value

INFOID:0000000012876437

TERMINAL LAYOUT



PHYSICAL VALUES

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

CLIMATE CONTROLLED SEAT CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

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

Fail-safe

INFOID:0000000012876438

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

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

CLIMATE CONTROLLED SEAT CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

Malfunction	Malfunctioning condition	
The temperature of the thermal electric device is 45°C (113°F) or more in the COOL mode (any thermal electric device in the seatback or seat cushion)	<ul style="list-style-type: none"> When it detects for 4 seconds that the temperature of the thermal electric device is between 45°C (113°F) and 70°C (158°F), it starts the temperature monitoring of the thermal electric device at 3 second intervals. While monitoring, if it detects that the temperature raises 2°C (36°F) or more 4 times continuously or reaches 70°C (158°F) or more, it stops all output and enters the system OFF condition. If it detects other results of monitoring, it continues activating in the COOL mode. 	A
Thermal electric device sensor system open circuit	<ul style="list-style-type: none"> When it detects for 4 seconds that the thermal electric device sensor system is an open circuit. 	B
Climate controlled seat blower motor system open circuit	<ul style="list-style-type: none"> When it detects for 2 seconds that climate controlled seat blower motor system is an open circuit while the climate controlled seat is being activated, it stops output to the thermal electric device. When it detects for 10 seconds that the climate controlled seat blower motor system is an open circuit while the climate controlled seat is being activated, it stops all output and enters the system OFF condition. <p>NOTE: After detecting the climate seat blower motor system open circuit for 2 seconds, the system recovers automatically if the activation of the climate controlled seat blower motor is detected for 1 second or more.</p>	C
Switch input out of the specified range	<ul style="list-style-type: none"> When it detects for 4 seconds that the rotary switch input is 30% or less of the vehicle battery voltage, it stops all output and enters the system OFF condition. When the switch input returns to a value within the specified range, the system recovers automatically. 	D
HEAT or COOL switch input out of the specified range	<ul style="list-style-type: none"> When it detects for 4 seconds that rotary switch input is 6% or less of the vehicle battery voltage, it stops all output and enters the system OFF condition. When the switch input returns to a value within the specified range, the system recovers automatically. 	E
System voltage out of range	<ul style="list-style-type: none"> System voltage* of the climate controlled seat control unit is out of the operation range (8.5 V – 16.5 V). 	F

*: 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.

SE

K

L

M

N

O

P

REAR SEATBACK POWER RETURN CONTROL UNIT

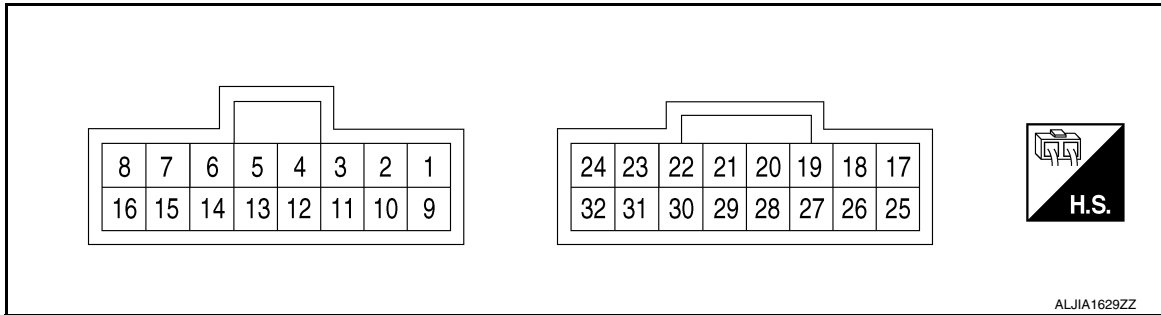
< ECU DIAGNOSIS INFORMATION >

REAR SEATBACK POWER RETURN CONTROL UNIT

Reference Value

INFOID:000000012876439

TERMINAL LAYOUT

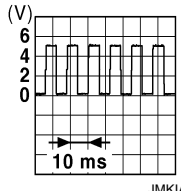


PHYSICAL VALUES

Terminal No. (Wire color)		Description		Condition	Value
(+)	(-)	Signal name	Input/ Output		
1 (L/R)	Ground	Vehicle speed signal (8-pulse)	Input	When vehicle speed is approx.40 km/h (25MPH)	<p>NOTE: Maximum voltage may be 12V due to specifications (connected units)</p> <p>SKIA6649J</p>
2 (R)	Ground	Ground [Limit switch RH]	—	—	—
3 (V)	Ground	Sector gear position limit switch RH input signal	Input	When the sector gear RH is in the initial position (other than low power consumption mode)	Battery voltage
				Other than the above	0V – 0.5V
4 (V)	Ground	Sector gear position limit switch LH input signal	Input	When the sector gear LH is in the initial position (other than low power consumption mode)	Battery voltage
				Other than the above	0V – 0.5V
5 (P)	Ground	Seatback switch RH	Input	second row seat fold switch RH in return position	0V – 0.5V
				Other than the above	4.7V – 5.3V
8 (Y/L)	Ground	System power supply	Input	—	Battery voltage
9 (B)	Ground	Ground	—	—	—
10 (R)	Ground	Ground [Limit switch LH]	—	—	—

REAR SEATBACK POWER RETURN CONTROL UNIT

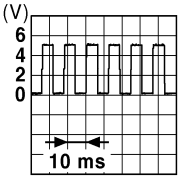
< ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition	Value
(+)	(-)	Signal name	Input/ Output		
11 (G/W)	Ground	Return position limit switch RH input signal	Input	When the second row seatback RH is in the return completion position (other than low power consumption mode)	Battery voltage
				Other than the above	0V – 0.5V
12 (G/W)	Ground	Return position limit switch LH input signal	Input	When the second row seatback LH is in the return completion position (oth- er than low power consumption mode)	Battery voltage
				Other than the above	0V – 0.5V
13 (G)	Ground	Rear seatback switch LH	Input	second row seatback fold switch LH in return position	0V – 0.5V
				Other than the above	4.7V – 5.3V
17 (BR)	Ground	Power return motor RH backward signal	Output	When the power return motor RH performs reverse operation	Battery voltage
				Other than the above	0V – 0.5V
18 (W)	Ground	Power return motor RH forward signal	Output	When the power return motor RH performs reverse operation	Battery voltage
				Other than the above	0V – 0.5V
19 (BR)	Ground	Power return motor LH backward signal	Output	When the power return motor LH performs reverse operation	Battery voltage
				Other than the above	0V – 0.5V
20 (W)	Ground	Power return motor LH forward signal	Output	When the power return motor RH performs return operation	Battery voltage
				Other than the above	0V – 0.5V
22 (L)	Ground	Power supply [Motor sensor RH]	Output	When the power return motor is op- erated	Battery voltage
23 (O)	Ground	Motor sensor RH input signal	Input	When the power return motor RH is operated	
				When the pinch occurs	The above pulse width should be expanded
24 (Y)	Ground	Ground [Motor sensor RH]	—	—	—
25 (G)	Ground	Battery power supply	Input	—	Battery voltage
28 (B)	Ground	Ground	—	—	—
30 (L)	Ground	Power supply [Motor sensor LH]	Output	When the power return motor is op- erated	Battery voltage

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

REAR SEATBACK POWER RETURN CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Description		Condition	Value
(+)	(-)	Signal name	Input/ Output		
31 (O)	Ground	Motor sensor LH input signal	Input	When the power return motor LH is operated	 JMKIA0070GB
				When the pinch occurs	The above pulse width should be expanded
32 (Y)	Ground	Ground [Motor sensor LH]	—	—	—

Fail-safe

INFOID:000000012876440

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

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

POWER SEAT FOR DRIVER SIDE WITHOUT AUTOMATIC DRIVE POSITIONER

< WIRING DIAGRAM >

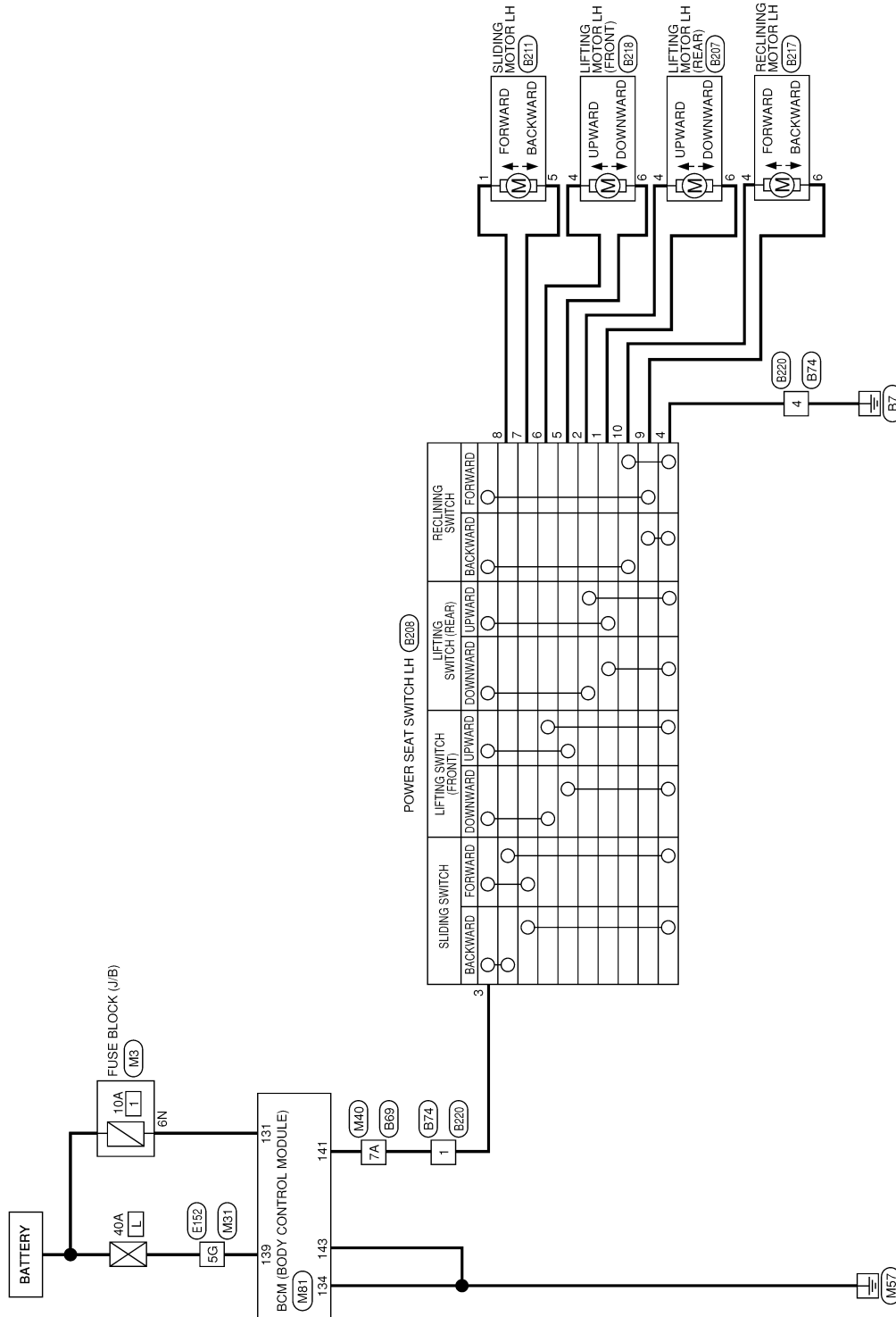
WIRING DIAGRAM

POWER SEAT FOR DRIVER SIDE WITHOUT AUTOMATIC DRIVE POSITIONER

Wiring Diagram

INFOID:000000012876441

POWER SEAT FOR DRIVER SIDE - WITHOUT AUTOMATIC DRIVE POSITIONER



AAJWA0409GB

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

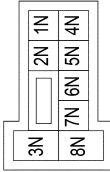
SE

POWER SEAT FOR DRIVER SIDE WITHOUT AUTOMATIC DRIVE POSITIONER

< WIRING DIAGRAM >

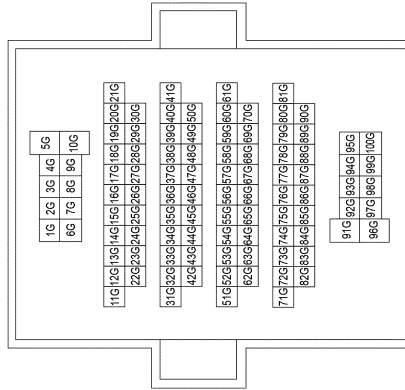
POWER SEAT FOR DRIVER SIDE CONNECTORS - WITHOUT AUTOMATIC DRIVE POSITIONER

Connector No.	M3
Connector Name	FUSE BLOCK (J/B)
Connector Type	CS06FW-M2
Connector Color	WHITE



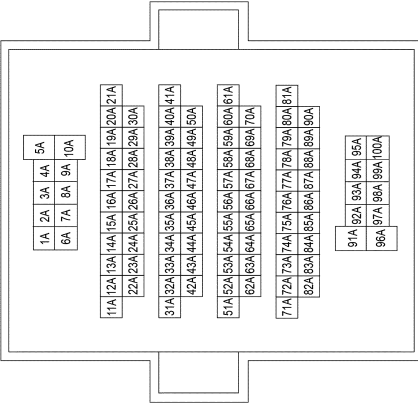
Terminal No.	Color of Wire	Signal Name
6N	W	-

Connector No.	M31
Connector Name	WIRE TO WIPE
Connector Type	TH80FW-CST16-TM4
Connector Color	WHITE



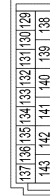
Terminal No.	Color of Wire	Signal Name
5G	L	-

Connector No.	M40
Connector Name	WIRE TO WIPE
Connector Type	TH80FDGY-CST16-TM4
Connector Color	GRAY



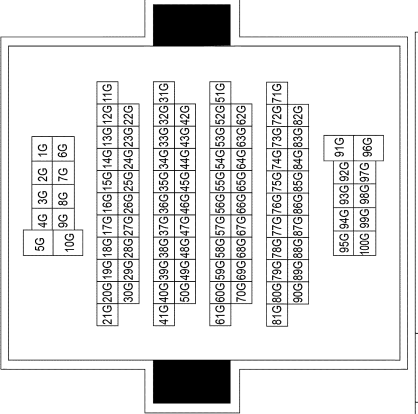
Terminal No.	Color of Wire	Signal Name
7A	L	- (WITH AUTOMATIC DRIVE POSITIONER)
7A	Y	- (WITHOUT AUTOMATIC DRIVE POSITIONER)

Connector No.	M81
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	FEA09FW-FHA6-SA
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
131	W	BAT BCM FUSE
134	GR	GND2
139	L	BAT POWER F/L
141	Y	P/W POWER SUPPLY/BAT
143	GR	GND1

Connector No.	E152
Connector Name	WIRE TO WIPE
Connector Type	TH80MM-CST16-TM4
Connector Color	WHITE

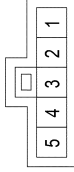


Terminal No.	Color of Wire	Signal Name
5G	P	-

POWER SEAT FOR DRIVER SIDE WITHOUT AUTOMATIC DRIVE POSITIONER

< WIRING DIAGRAM >

Connector No.	B211
Connector Name	SLIDING MOTOR LH
Connector Type	6098-0344
Connector Color	GRAY



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

Connector No.	B217
Connector Name	RECLINING MOTOR LH
Connector Type	6242-5061
Connector Color	WHITE



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

Connector No.	B218
Connector Name	LIFTING MOTOR LH (FRONT)
Connector Type	6242-5061
Connector Color	WHITE



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

Connector No.	B207
Connector Name	LIFTING MOTOR LH (REAR)
Connector Type	6242-5061
Connector Color	WHITE



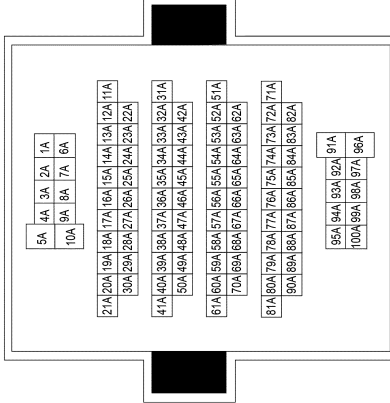
Terminal No.	Color of Wire	Signal Name
4	L	-
6	Y	-

Connector No.	B208
Connector Name	POWER SEAT SWITCH LH
Connector Type	NS10FW-CS
Connector Color	WHITE



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

Connector No.	B69
Connector Name	WIRE TO WIRE
Connector Type	TH80MDGY-CS16-TM4
Connector Color	GRAY



Terminal No.	Color of Wire	Signal Name
7A	L	-

Connector No.	B74
Connector Name	WIRE TO WIRE
Connector Type	NS12FW-CS
Connector Color	WHITE



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

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

POWER SEAT FOR DRIVER SIDE WITHOUT AUTOMATIC DRIVE POSITIONER

< WIRING DIAGRAM >

Connector No.	B220
Connector Name	WIRE TO WIRE
Connector Type	NSI2MMW-CS
Connector Color	WHITE



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

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

AAJIA1044GB

POWER SEAT FOR PASSENGER SIDE

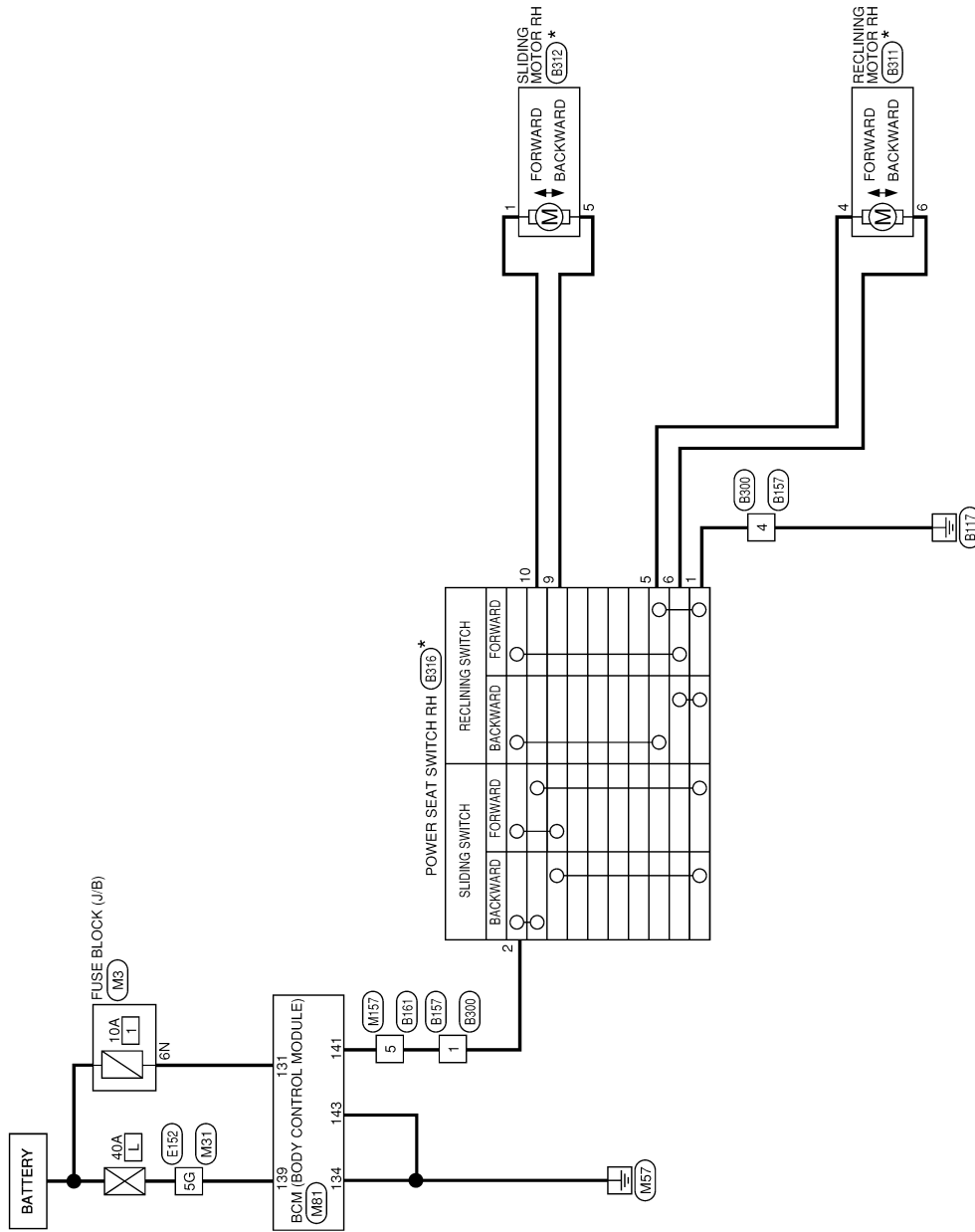
< WIRING DIAGRAM >

POWER SEAT FOR PASSENGER SIDE

Wiring Diagram

INFOID:000000012876442

POWER SEAT FOR PASSENGER SIDE



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

AAJWA010GB

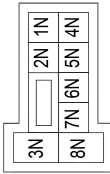
A
B
C
D
E
F
G
H
I
SE
K
L
M
N
O
P

POWER SEAT FOR PASSENGER SIDE

< WIRING DIAGRAM >

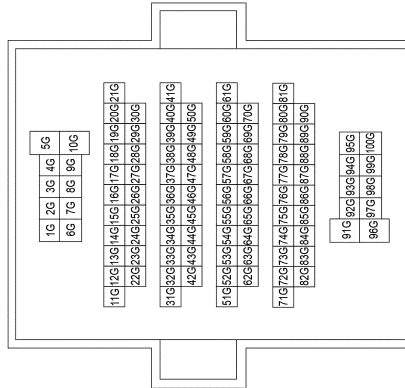
POWER SEAT FOR PASSENGER SIDE CONNECTORS

Connector No.	M3
Connector Name	FUSE BLOCK (J/FB)
Connector Type	CS06FW-M2
Connector Color	WHITE



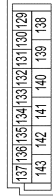
Terminal No.	Color of Wire	Signal Name
6N	W	-

Connector No.	M31
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CST16-TM4
Connector Color	WHITE



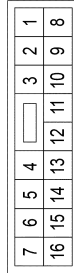
Terminal No.	Color of Wire	Signal Name
5G	L	-

Connector No.	M81
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	FEA09FW-FHA6-SA
Connector Color	WHITE



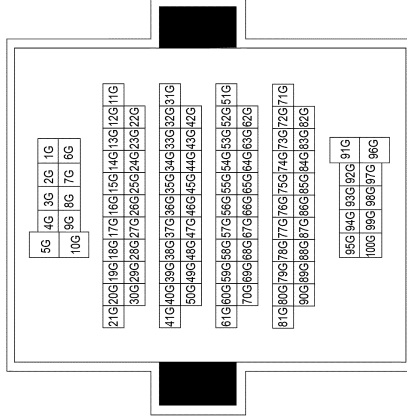
Terminal No.	Color of Wire	Signal Name
131	W	BAT BCM FUSE
134	GR	GND2
139	L	BAT POWER P/L
141	Y	P/W POWER SUPPLY BAT
143	GR	GND1

Connector No.	M157
Connector Name	WIRE TO WIRE
Connector Type	NS16FW-CS
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
5	Y	-

Connector No.	E152
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CST16-TM4
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
5G	P	-

Connector No.	B157
Connector Name	WIRE TO WIRE
Connector Type	NS12FW-CS
Connector Color	WHITE

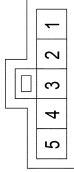


Terminal No.	Color of Wire	Signal Name
1	LG	-
4	B	-

POWER SEAT FOR PASSENGER SIDE

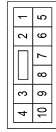
< WIRING DIAGRAM >

Connector No.	B312
Connector Name	SLIDING MOTOR RH
Connector Type	6098-0344
Connector Color	WHITE



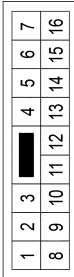
Terminal No.	Color of Wire	Signal Name
1	SB	-
5	L	-

Connector No.	B316
Connector Name	POWER SEAT SWITCH RH
Connector Type	NS10FW-CS
Connector Color	WHITE



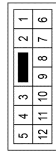
Terminal No.	Color of Wire	Signal Name
1	B	-
2	R	-
5	BR	-
6	P	-
9	L	-
10	SB	-

Connector No.	B161
Connector Name	WIRE TO WIRE
Connector Type	NS16MW-CS
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
5	LG	-

Connector No.	B300
Connector Name	WIRE TO WIRE
Connector Type	NS12MW-CS
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
1	L	-
4	B	-

Connector No.	B311
Connector Name	RECLINING MOTOR RH
Connector Type	6242-5061
Connector Color	WHITE



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

AAJIA1046GB

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

LUMBAR SUPPORT SYSTEM

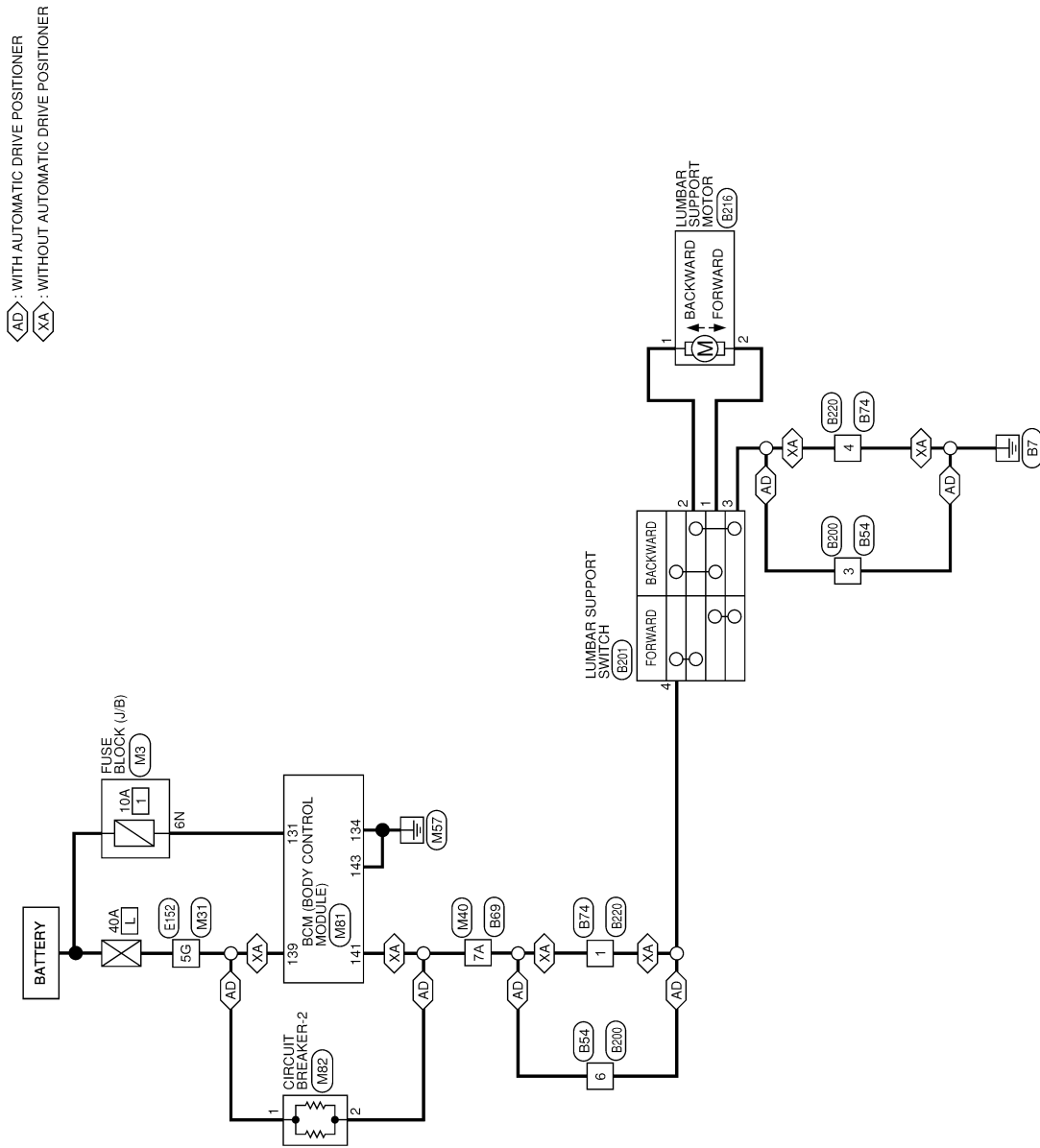
< WIRING DIAGRAM >

LUMBAR SUPPORT SYSTEM

Wiring Diagram

INFOID:000000012876443

LUMBAR SUPPORT SYSTEM



AD : WITH AUTOMATIC DRIVE POSITIONER
 XA : WITHOUT AUTOMATIC DRIVE POSITIONER

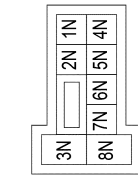
AAJWA0408GB

LUMBAR SUPPORT SYSTEM

< WIRING DIAGRAM >

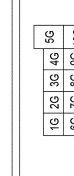
LUMBAR SUPPORT SYSTEM CONNECTORS

Connector No.	M3
Connector Name	FUSE BLOCK (J/B)
Connector Type	CS06FW-M2
Connector Color	WHITE



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

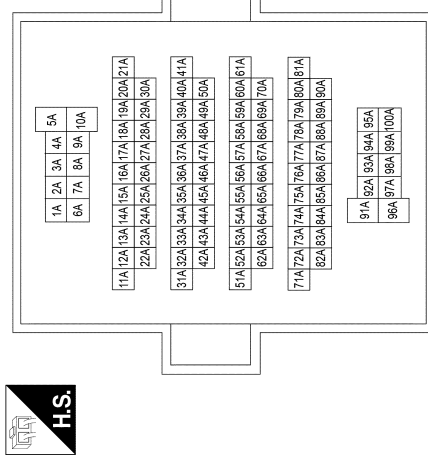
Connector No.	M31
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name		
1G	2G	3G	4G	5G
6G	7G	8G	9G	10G
11G	12G	13G	14G	15G
16G	17G	18G	19G	20G
21G	22G	23G	24G	25G
26G	27G	28G	29G	30G
31G	32G	33G	34G	35G
36G	37G	38G	39G	40G
41G	42G	43G	44G	45G
46G	47G	48G	49G	50G
51G	52G	53G	54G	55G
56G	57G	58G	59G	60G
61G	62G	63G	64G	65G
66G	67G	68G	69G	70G
71G	72G	73G	74G	75G
76G	77G	78G	79G	80G
81G	82G	83G	84G	85G
86G	87G	88G	89G	90G
91G	92G	93G	94G	95G
96G	97G	98G	99G	100G

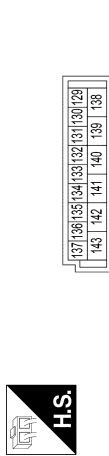
Terminal No.	Color of Wire	Signal Name
5G	L	-

Connector No.	M40
Connector Name	WIRE TO WIRE
Connector Type	TH80FDGY-CS16-TM4
Connector Color	GRAY



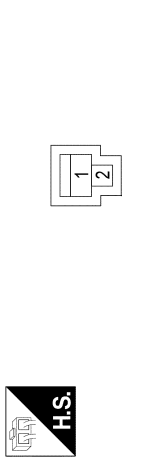
Terminal No.	Color of Wire	Signal Name
7A	L	- (WITH AUTOMATIC DRIVE POSITIONER)
7A	Y	- (WITHOUT AUTOMATIC DRIVE POSITIONER)

Connector No.	M81
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	FEA09FW-FH46-SA
Connector Color	WHITE



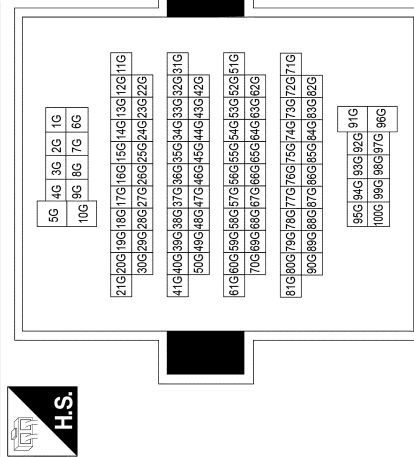
Terminal No.	Color of Wire	Signal Name
131	W	BAT BCM FUSE
134	GR	GND2
139	L	BAT POWER F/L
141	Y	P/W POWER SUPPLY BAT
143	GR	GND1

Connector No.	M82
Connector Name	CIRCUIT BREAKER-2
Connector Type	M02FW-P-LC
Connector Color	WHITE



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

Connector No.	E152
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
5G	P	-

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



AAJIA1040GB

LUMBAR SUPPORT SYSTEM

< WIRING DIAGRAM >

4	R	-
Connector No.	B216	
Connector Name	LUMBAR SUPPORT MOTOR	
Connector Type	12020556	
Connector Color	WHITE	



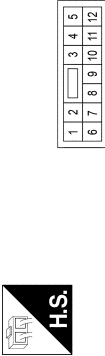
Terminal No.	Color of Wire	Signal Name
1	Y	-
2	G	-

Connector No.	B220
Connector Name	WIRE TO WIRE
Connector Type	NS12MW-CS
Connector Color	WHITE



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

Connector No.	B74
Connector Name	WIRE TO WIRE
Connector Type	NS12FW-CS
Connector Color	WHITE



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

Connector No.	B200
Connector Name	WIRE TO WIRE
Connector Type	NS12MW-CS
Connector Color	BROWN



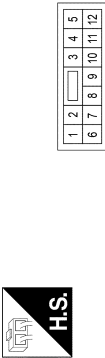
Terminal No.	Color of Wire	Signal Name
3	B	-
6	R	-

Connector No.	B201
Connector Name	LUMBAR SUPPORT SWITCH
Connector Type	NS04FBR-CS
Connector Color	BROWN



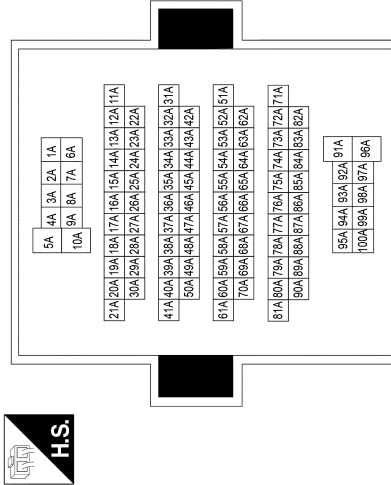
Terminal No.	Color of Wire	Signal Name
1	G	-
2	Y	-
3	B	-

Connector No.	B54
Connector Name	WIRE TO WIRE
Connector Type	NS12FBR-CS
Connector Color	BROWN



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

Connector No.	B69
Connector Name	WIRE TO WIRE
Connector Type	TH80MDGY-CS16-TM4
Connector Color	GRAY



Terminal No.	Color of Wire	Signal Name
7A	L	-

AAJIA1041GB

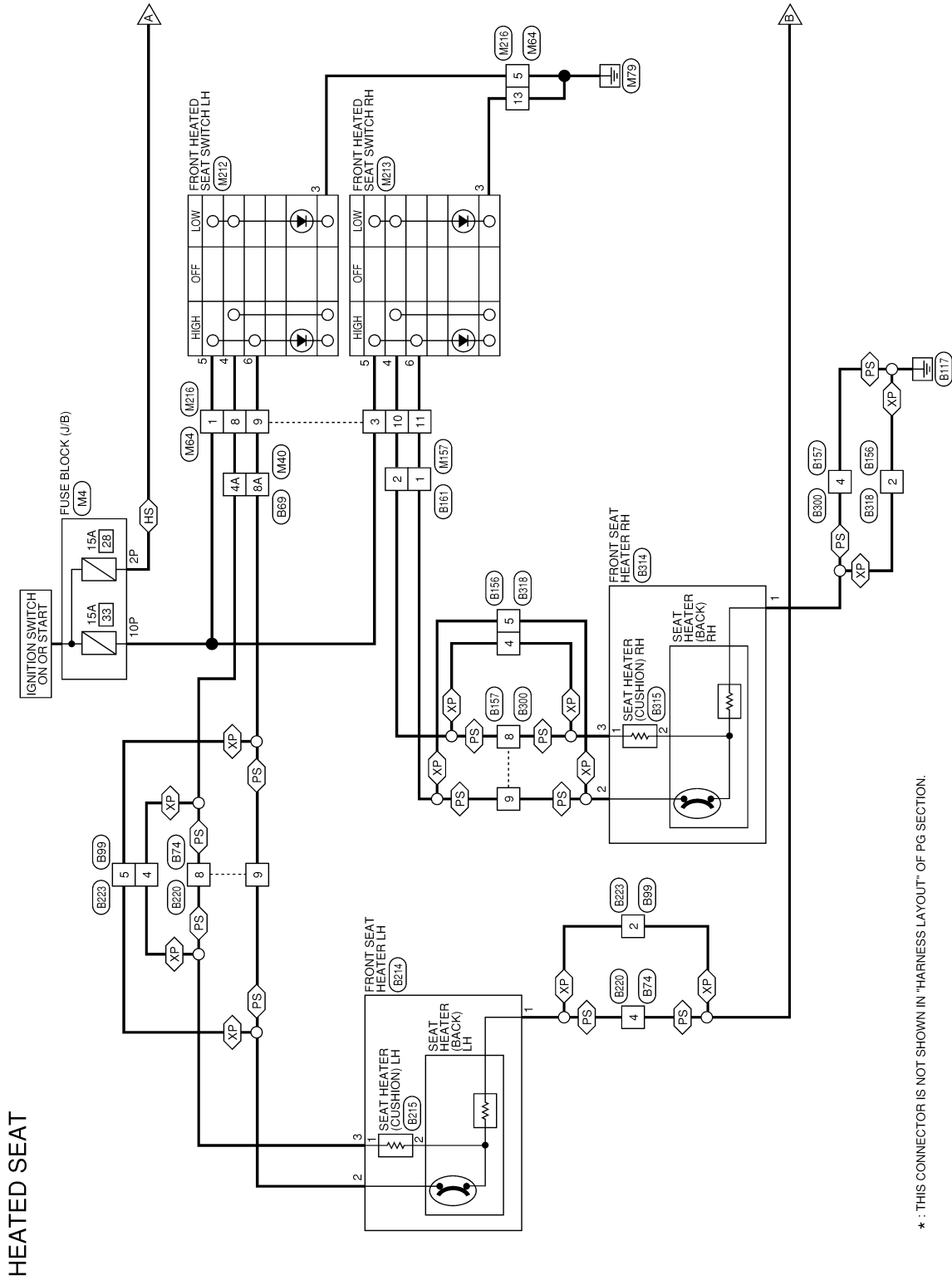
HEATED SEAT SYSTEM

< WIRING DIAGRAM >

HEATED SEAT SYSTEM

Wiring Diagram

INFOID:000000012876444



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

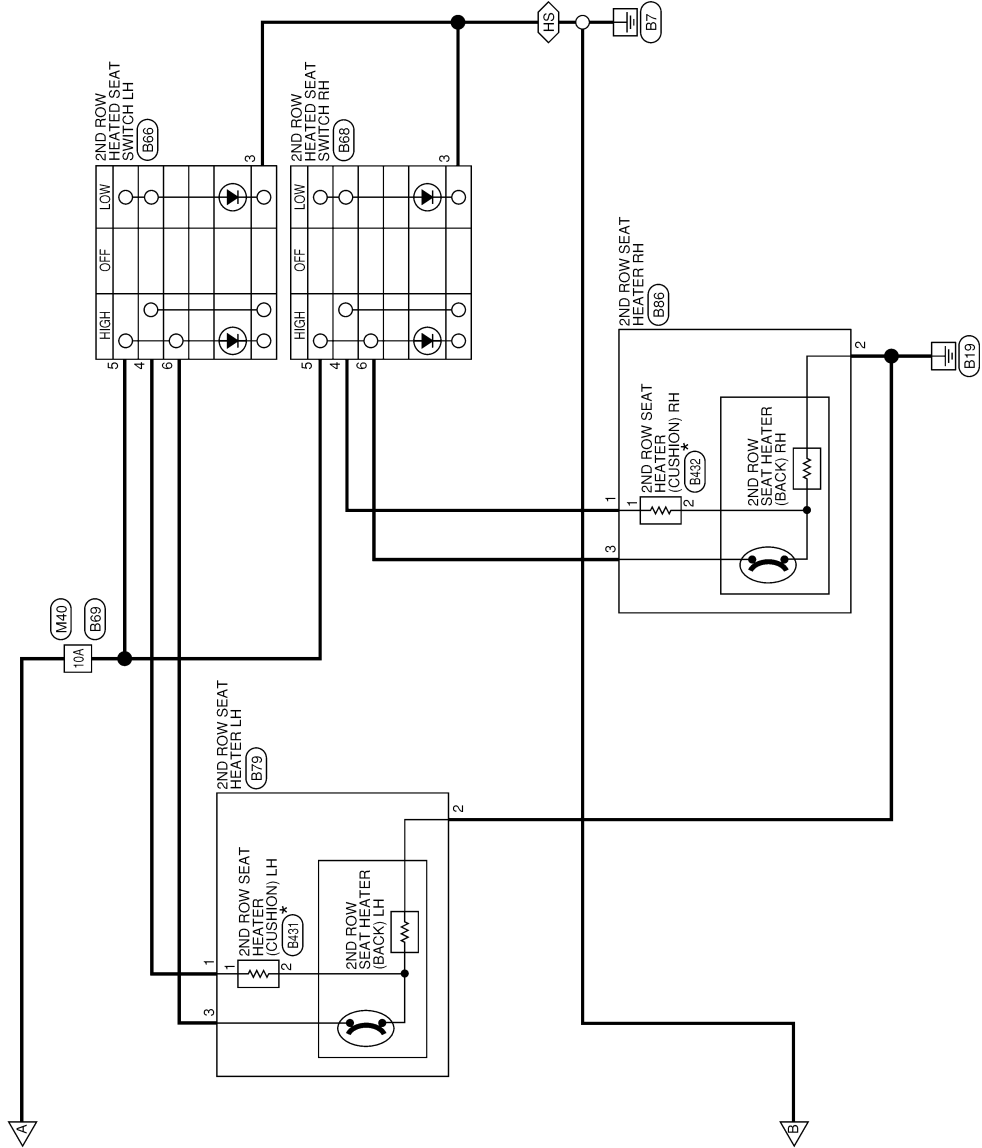
AAJWA0406GB

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

HEATED SEAT SYSTEM

< WIRING DIAGRAM >

HS : WITH REAR HEATED SEATS
PS : WITH POWER SEATS
XP : WITHOUT POWER SEATS



AAJWA0407GB

HEATED SEAT SYSTEM

< WIRING DIAGRAM >

HEATED SEAT CONNECTORS

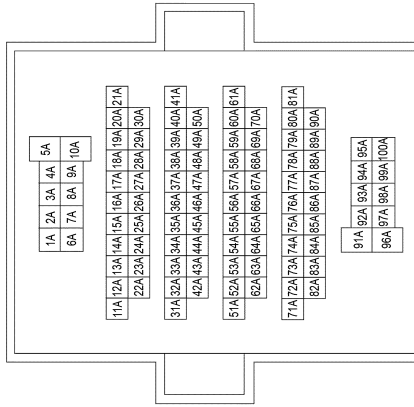
Connector No.	M4
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS16FW-CS
Connector Color	WHITE



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

Terminal No.	Color of Wire	Signal Name
2P	LG	-
10P	V	-

Connector No.	M40
Connector Name	WIRE TO WIRE
Connector Type	TH80FDGY-CS16-TM4
Connector Color	GRAY



Terminal No.	Color of Wire	Signal Name
4A	LG	-
8A	Y	-
10A	LG	-

Connector No.	M64
Connector Name	WIRE TO WIRE
Connector Type	NS16MW-CS
Connector Color	WHITE



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

Terminal No.	Color of Wire	Signal Name
1	V	-
3	V	-
5	GR	-
8	LG	-
9	Y	-
10	BR	-
11	L	-
13	GR	-

Connector No.	M157
Connector Name	WIRE TO WIRE
Connector Type	NS16FW-CS
Connector Color	WHITE



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

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

Connector No.	M212
Connector Name	FRONT HEATED SEAT SWITCH LH
Connector Type	NS06FW-CS
Connector Color	WHITE



1	2
3	4
5	6

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

Connector No.	M213
Connector Name	FRONT HEATED SEAT SWITCH RH
Connector Type	NS06FBR-CS
Connector Color	BROWN



1	2
3	4
5	6

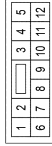
Terminal No.	Color of Wire	Signal Name
3	GR	-
4	BR	-
5	V	-
6	L	-

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

HEATED SEAT SYSTEM

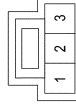
< WIRING DIAGRAM >

Connector No.	B74
Connector Name	WIRE TO WIRE
Connector Type	NS12FW-CS
Connector Color	WHITE



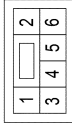
Terminal No.	Color of Wire	Signal Name
4	B	-
8	V	- (WITHOUT CLIMATE CONTROLLED SEAT)
8	BR	- (WITH CLIMATE CONTROLLED SEAT)
9	L/W	- (WITHOUT CLIMATE CONTROLLED SEAT)
9	G/O	- (WITH CLIMATE CONTROLLED SEAT)

Connector No.	B79
Connector Name	2ND ROW SEAT HEATER LH
Connector Type	NS03FW-CS
Connector Color	WHITE



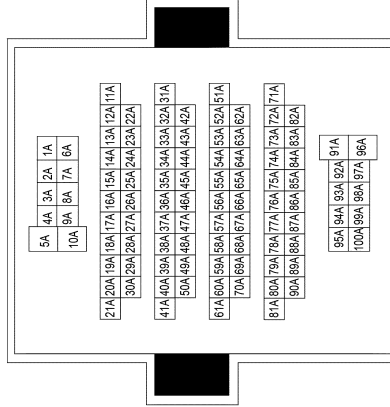
Terminal No.	Color of Wire	Signal Name
1	L	-
2	B	-
3	L/W	-

Connector No.	B68
Connector Name	2ND ROW HEATED SEAT SWITCH RH
Connector Type	NS06FBR-CS
Connector Color	BROWN



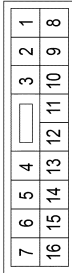
Terminal No.	Color of Wire	Signal Name
3	B	-
4	Y	-
5	Y	-
6	BR	-

Connector No.	B69
Connector Name	WIRE TO WIRE
Connector Type	TH80MDGY-CS16-TM4
Connector Color	GRAY



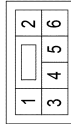
Terminal No.	Color of Wire	Signal Name
4A	V	-
8A	L/W	-
10A	Y	-

Connector No.	M216
Connector Name	WIRE TO WIRE
Connector Type	NS16FW-CS
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
1	V	-
3	V	-
5	GR	-
8	LG	-
9	Y	-
10	BR	-
11	L	-
13	GR	-

Connector No.	B66
Connector Name	2ND ROW HEATED SEAT SWITCH LH
Connector Type	NS06FW-CS
Connector Color	WHITE



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

AAJIA1036GB

HEATED SEAT SYSTEM

< WIRING DIAGRAM >

Connector No.	B214
Connector Name	FRONT SEAT HEATER LH
Connector Type	7123-6337
Connector Color	WHITE



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

Connector No.	B215
Connector Name	SEAT HEATER (CUSHION) LH
Connector Type	-
Connector Color	WHITE



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

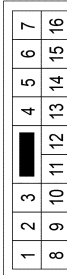
4	G/W	-
5	Y	-

Connector No.	B157
Connector Name	WIRE TO WIRE
Connector Type	NS12FW-CS
Connector Color	WHITE



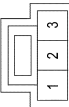
Terminal No.	Color of Wire	Signal Name
4	B	-
8	G/W	-(WITHOUT CLIMATE CONTROLLED SEAT)
8	L/W	-(WITH CLIMATE CONTROLLED SEAT)
9	Y	-(WITHOUT CLIMATE CONTROLLED SEAT)
9	GR/Y	-(WITH CLIMATE CONTROLLED SEAT)

Connector No.	B161
Connector Name	WIRE TO WIRE
Connector Type	NS16MW-CS
Connector Color	WHITE



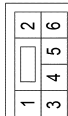
Terminal No.	Color of Wire	Signal Name
1	B	-(WITH CLIMATE CONTROLLED SEAT)
1	Y	-(WITHOUT CLIMATE CONTROLLED SEAT)
2	G/W	-

Connector No.	B86
Connector Name	2ND ROW SEAT HEATER RH
Connector Type	NS03FW
Connector Color	WHITE



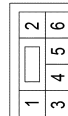
Terminal No.	Color of Wire	Signal Name
1	Y	-
2	B	-
3	BR	-

Connector No.	B99
Connector Name	WIRE TO WIRE
Connector Type	NS06FW-CS
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
2	B	-
4	V	-
5	L/W	-

Connector No.	B156
Connector Name	WIRE TO WIRE
Connector Type	NS06FW-CS
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
2	B	-

AAJIA1037GB


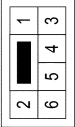
A
B
C
D
E
F
G
H
I
SE
K
L
M
N
O
P

HEATED SEAT SYSTEM

< WIRING DIAGRAM >


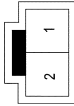
1	LG	-
2	LG	-

Connector No.	B318
Connector Name	WIRE TO WIRE
Connector Type	NS06MW-CS
Connector Color	WHITE


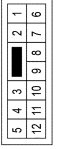
Terminal No.	Color of Wire	Signal Name
2	B	-
4	LG	-
5	R	-

Connector No.	B431
Connector Name	2ND ROW SEAT HEATER (CUSHION) LH
Connector Type	-
Connector Color	WHITE



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

Connector No.	B300
Connector Name	WIRE TO WIRE
Connector Type	NS12MW-CS
Connector Color	WHITE


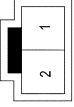
Terminal No.	Color of Wire	Signal Name
4	B	-
8	LG	-
9	R	-(WITHOUT CLIMATE CONTROLLED SEAT)
9	W	-(WITH CLIMATE CONTROLLED SEAT)

Connector No.	B314
Connector Name	FRONT SEAT HEATER RH
Connector Type	7123-6337
Connector Color	WHITE


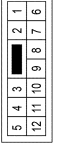
Terminal No.	Color of Wire	Signal Name
1	B	-
2	R	-
3	LG	-

Connector No.	B315
Connector Name	SEAT HEATER (CUSHION) RH
Connector Type	-
Connector Color	WHITE


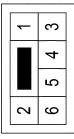
Terminal No.	Color of Wire	Signal Name

Connector No.	B220
Connector Name	WIRE TO WIRE
Connector Type	NS12MW-CS
Connector Color	WHITE

Terminal No.	Color of Wire	Signal Name
4	B	-
8	LG	(WITHOUT CLIMATE CONTROLLED SEATS)
8	Y	(WITH CLIMATE CONTROLLED SEATS)
9	R	(WITHOUT CLIMATE CONTROLLED SEATS)
9	W	(WITH CLIMATE CONTROLLED SEATS)

Connector No.	B223
Connector Name	WIRE TO WIRE
Connector Type	NS06MW-CS
Connector Color	WHITE

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

AAJIA1038GB

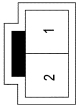
HEATED SEAT SYSTEM

< WIRING DIAGRAM >

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

SE

Connector No.	B432
Connector Name	2ND ROW SEAT HEATER (CUSHION) RH
Connector Type	-
Connector Color	WHITE



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

AAJIA1039GB

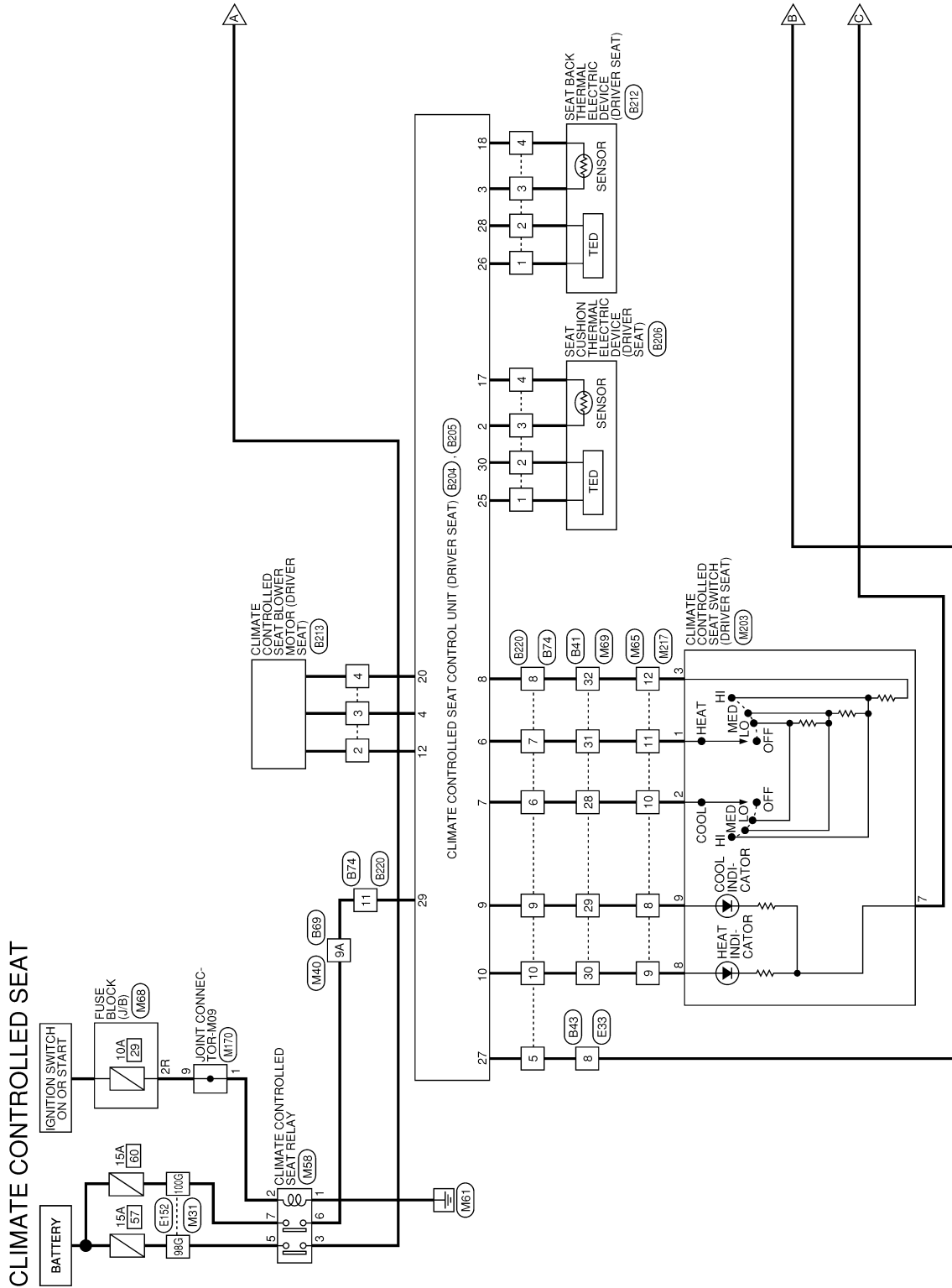
CLIMATE CONTROLLED SEAT SYSTEM

< WIRING DIAGRAM >

CLIMATE CONTROLLED SEAT SYSTEM

Wiring Diagram

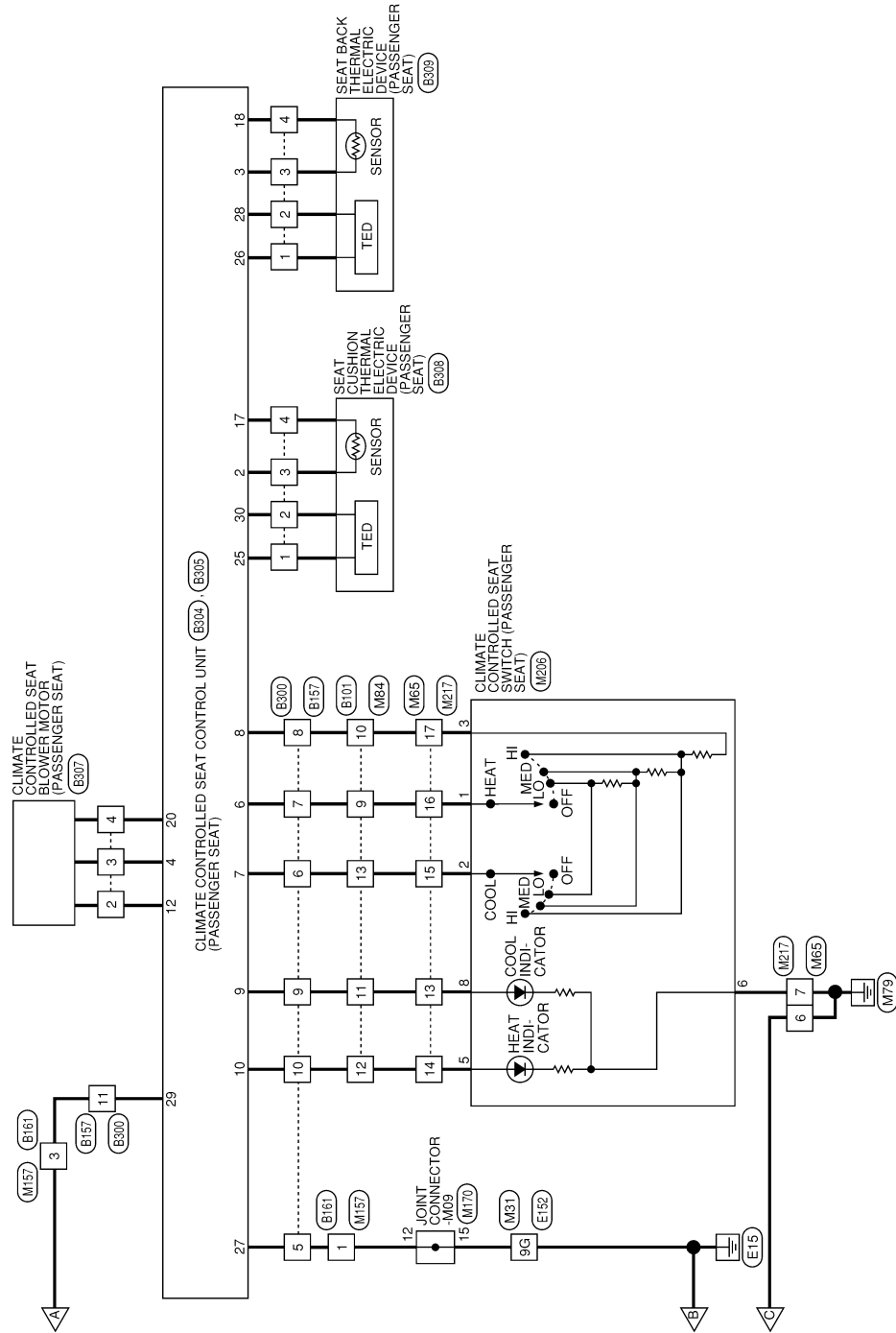
INFOID:000000012876445



AAJWA0404GB

CLIMATE CONTROLLED SEAT SYSTEM

< WIRING DIAGRAM >



AAJWA0405GB

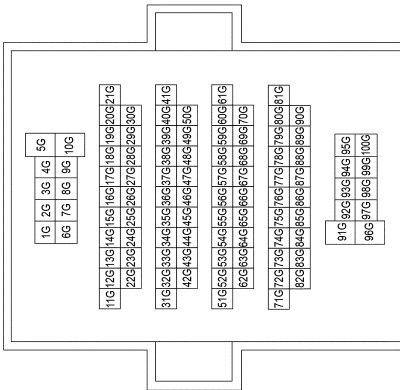
A
B
C
D
E
F
G
H
I
SE
K
L
M
N
O
P

CLIMATE CONTROLLED SEAT SYSTEM

< WIRING DIAGRAM >

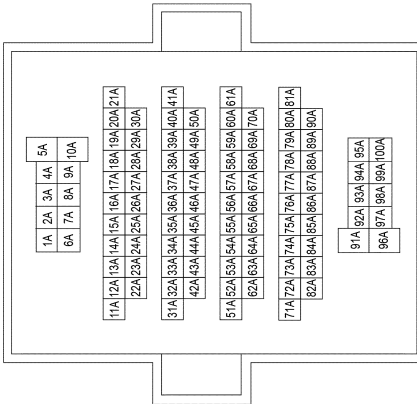
CLIMATE CONTROLLED SEAT CONNECTORS

Connector No.	M31
Connector Name	WIRE TO WIRE
Connector Type	TH80PW-CS16-TM4
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
9G	B	-
96G	R	-
100G	P	-

Connector No.	M40
Connector Name	WIRE TO WIRE
Connector Type	TH80FDGY-CS16-TM4
Connector Color	GRAY



Terminal No.	Color of Wire	Signal Name
9A	V	-

Connector No.	M58
Connector Name	CLIMATE CONTROLLED SEAT RELAY
Connector Type	M06FBR-R-LC
Connector Color	BROWN



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

Connector No.	M65
Connector Name	WIRE TO WIRE
Connector Type	TH40MW-NH
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
6	GR	-
7	GR	-
8	BG	-
9	BR	-
10	W	-
11	P	-
12	G	-
13	W	-
14	BG	-
15	V	-
16	R	-
17	L	-

Connector No.	M68
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS16FBR-CS
Connector Color	BROWN

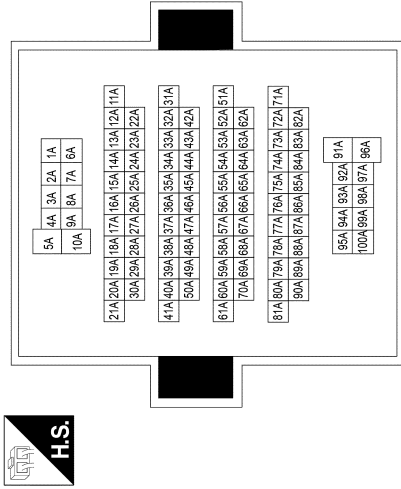


Terminal No.	Color of Wire	Signal Name
2R	LG	-

CLIMATE CONTROLLED SEAT SYSTEM

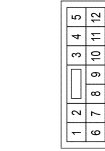
< WIRING DIAGRAM >

Connector No.	B69
Connector Name	WIRE TO WIRE
Connector Type	TH80MDGY-CS16-TM4
Connector Color	GRAY



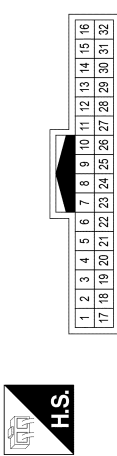
Terminal No.	Color of Wire	Signal Name
9A	R	-

Connector No.	B74
Connector Name	WIRE TO WIRE (WITH POWER SEATS)
Connector Type	NS12FW-CS
Connector Color	WHITE



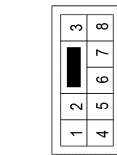
Terminal No.	Color of Wire	Signal Name
5	B	-
6	B/W	-
7	W/O	-
8	V	- (WITHOUT CLIMATE CONTROLLED SEAT)
8	BR	- (WITH CLIMATE CONTROLLED SEAT)
9	L/W	- (WITHOUT CLIMATE CONTROLLED SEAT)
9	G/O	- (WITH CLIMATE CONTROLLED SEAT)
10	Y	-
11	R	-

Connector No.	B41
Connector Name	WIRE TO WIRE
Connector Type	TH32MW-NH
Connector Color	WHITE



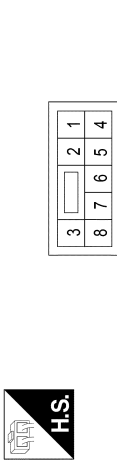
Terminal No.	Color of Wire	Signal Name
28	B/W	-
29	G/O	-
30	Y	-
31	W/O	-
32	BR	-

Connector No.	B43
Connector Name	WIRE TO WIRE
Connector Type	NS08MW-CS
Connector Color	WHITE



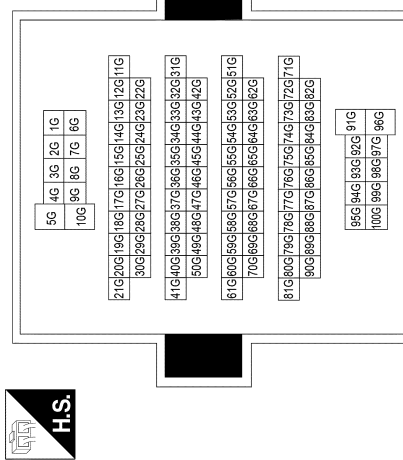
Terminal No.	Color of Wire	Signal Name
8	B	-

Connector No.	E33
Connector Name	WIRE TO WIRE
Connector Type	NS08FW-CS
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
8	B	-

Connector No.	E152
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
9G	B	-
96G	W	-
100G	G	-

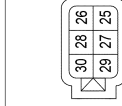
AAJIA1031GB

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

CLIMATE CONTROLLED SEAT SYSTEM

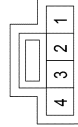
< WIRING DIAGRAM >

24	-	-
Connector No.	B205	
Connector Name	CLIMATE CONTROLLED SEAT CONTROL UNIT (DRIVER SEAT)	
Connector Type	4-929504-2	
Connector Color	BLACK	



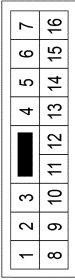
Terminal No.	Color of Wire	Signal Name
25	L	CUSH TED +HEAT
26	W	BACK TED +HEAT
27	GR	A/C CTRL GND
28	G	BACK TED -HEAT
29	R	A/C IGN
30	LG	CUSH TED -HEAT

Connector No.	B206
Connector Name	SEAT CUSHION THERMAL ELECTRIC DEVICE (DRIVER SEAT)
Connector Type	6095-2163
Connector Color	WHITE

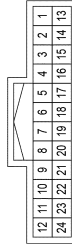


Terminal No.	Color of Wire	Signal Name
1	L	TED + HEAT
2	LG	TED - HEAT
3	BR	SENS
4	BG	RET SEN

Connector No.	B161
Connector Name	WIRE TO WIRE
Connector Type	NS16MW-CS
Connector Color	WHITE



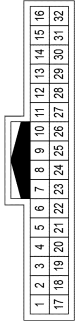
Terminal No.	Color of Wire	Signal Name
1	B	- (WITH CLIMATE CONTROLLED SEAT)
3	W	- (WITHOUT CLIMATE CONTROLLED SEAT)



Connector No.	B204
Connector Name	CLIMATE CONTROLLED SEAT CONTROL UNIT (DRIVER SEAT)
Connector Type	TH24FV-NH
Connector Color	WHITE

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

Connector No.	B101
Connector Name	WIRE TO WIRE
Connector Type	TH32MW-NH
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
9	BR	-
10	L/W	-
11	GR/Y	-
12	Y/L	-
13	Y	-



Connector No.	B157
Connector Name	WIRE TO WIRE
Connector Type	NS12FW-CS
Connector Color	WHITE

Terminal No.	Color of Wire	Signal Name
5	B	-
6	Y	-
7	BR	-
8	G/W	- (WITHOUT CLIMATE CONTROLLED SEAT)
8	L/W	- (WITH CLIMATE CONTROLLED SEAT)
9	Y	- (WITHOUT CLIMATE CONTROLLED SEAT)
9	GR/Y	- (WITH CLIMATE CONTROLLED SEAT)
10	Y/L	-
11	W	-

AAJIA1032GB

CLIMATE CONTROLLED SEAT SYSTEM

< WIRING DIAGRAM >

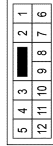
Connector No.	B305
Connector Name	CLIMATE CONTROLLED SEAT CONTROL UNIT (PASSENGER SEAT)
Connector Type	TH24FW-NH
Connector Color	WHITE



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

6	BR	-
7	G	-
8	LG	(WITHOUT CLIMATE CONTROLLED SEATS)
8	Y	WITH CLIMATE CONTROLLED SEATS
9	R	(WITHOUT CLIMATE CONTROLLED SEATS)
9	W	WITH CLIMATE CONTROLLED SEATS
10	LG	-
11	SB	-

Connector No.	B300
Connector Name	WIRE TO WIRE
Connector Type	NS12MW-CS
Connector Color	WHITE



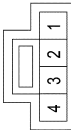
Terminal No.	Color of Wire	Signal Name
5	R	-
6	R	-
7	-	-
8	LG	-
9	R	-(WITHOUT CLIMATE CONTROLLED SEAT)
9	W	-(WITH CLIMATE CONTROLLED SEAT)
10	G	-
11	B	-(WITHOUT CLIMATE CONTROLLED SEAT)
11	Y	-(WITH CLIMATE CONTROLLED SEAT)

Connector No.	B304
Connector Name	CLIMATE CONTROLLED SEAT CONTROL UNIT (PASSENGER SEAT)
Connector Type	4-929504-2
Connector Color	BLACK



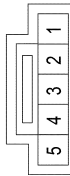
Terminal No.	Color of Wire	Signal Name
25	L	CUSH TED +HEAT
26	W	BACK TED +HEAT
27	GR	A/C CTRL GND
28	G	BACK TED -HEAT
29	R	A/C IGN
30	LG	CUSH TED -HEAT

Connector No.	B212
Connector Name	SEAT BACK THERMAL ELECTRIC DEVICE (DRIVER SEAT)
Connector Type	6098-2163
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
1	L	TED + HEAT
2	LG	TED - HEAT
3	BR	SENS
4	BG	RET SEN

Connector No.	B213
Connector Name	CLIMATE CONTROLLED SEAT BLOWER MOTOR (DRIVER SEAT)
Connector Type	7283-5830
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
2	R	VM1
3	P	VSPI
4	GR	GND

Connector No.	B220
Connector Name	WIRE TO WIRE (WITH POWER SEATS)
Connector Type	NS12MW-CS
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
5	GR	-

AAJIA1033GB

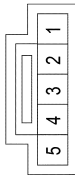
A
B
C
D
E
F
G
H
I
SE
K
L
M
N
O
P

CLIMATE CONTROLLED SEAT SYSTEM

< WIRING DIAGRAM >

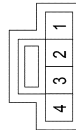
1	W	TED + HEAT (-COOL)
2	G	TED - HEAT (-COOL)
3	L	SENSOR SIGNAL
4	V	SENSOR RETURN

Connector No.	B307
Connector Name	CLIMATE CONTROLLED SEAT BLOWER MOTOR (PASSENGER SEAT)
Connector Type	7283-5630
Connector Color	WHITE



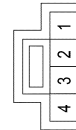
Terminal No.	Color of Wire	Signal Name
2	R	-
3	P	-
4	GR	-

Connector No.	B308
Connector Name	SEAT CUSHION THERMAL ELECTRIC DEVICE (PASSENGER SEAT)
Connector Type	6098-2163
Connector Color	WHITE



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

Connector No.	B309
Connector Name	SEAT BACK THERMAL ELECTRIC DEVICE (PASSENGER SEAT)
Connector Type	6098-2163
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name

AAJIA1034GB

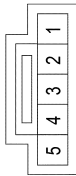
CLIMATE CONTROLLED SEAT SYSTEM

< WIRING DIAGRAM >

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

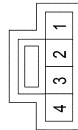
1	W	TED+ HEAT (-COOL)
2	G	TED- HEAT (-COOL)
3	L	SENSOR SIGNAL
4	V	SENSOR RETURN

Connector No.	B307
Connector Name	CLIMATE CONTROLLED SEAT BLOWER MOTOR (PASSENGER SEAT)
Connector Type	7283-5830
Connector Color	WHITE



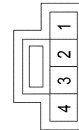
Terminal No.	Color of Wire	Signal Name
2	R	-
3	P	-
4	GR	-

Connector No.	B308
Connector Name	SEAT CUSHION THERMAL ELECTRIC DEVICE (PASSENGER SEAT)
Connector Type	6098-2163
Connector Color	WHITE



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

Connector No.	B309
Connector Name	SEAT BACK THERMAL ELECTRIC DEVICE (PASSENGER SEAT)
Connector Type	6098-2163
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name

AAJIA1141GB

SECOND ROW SEATBACK POWER RETURN SYSTEM

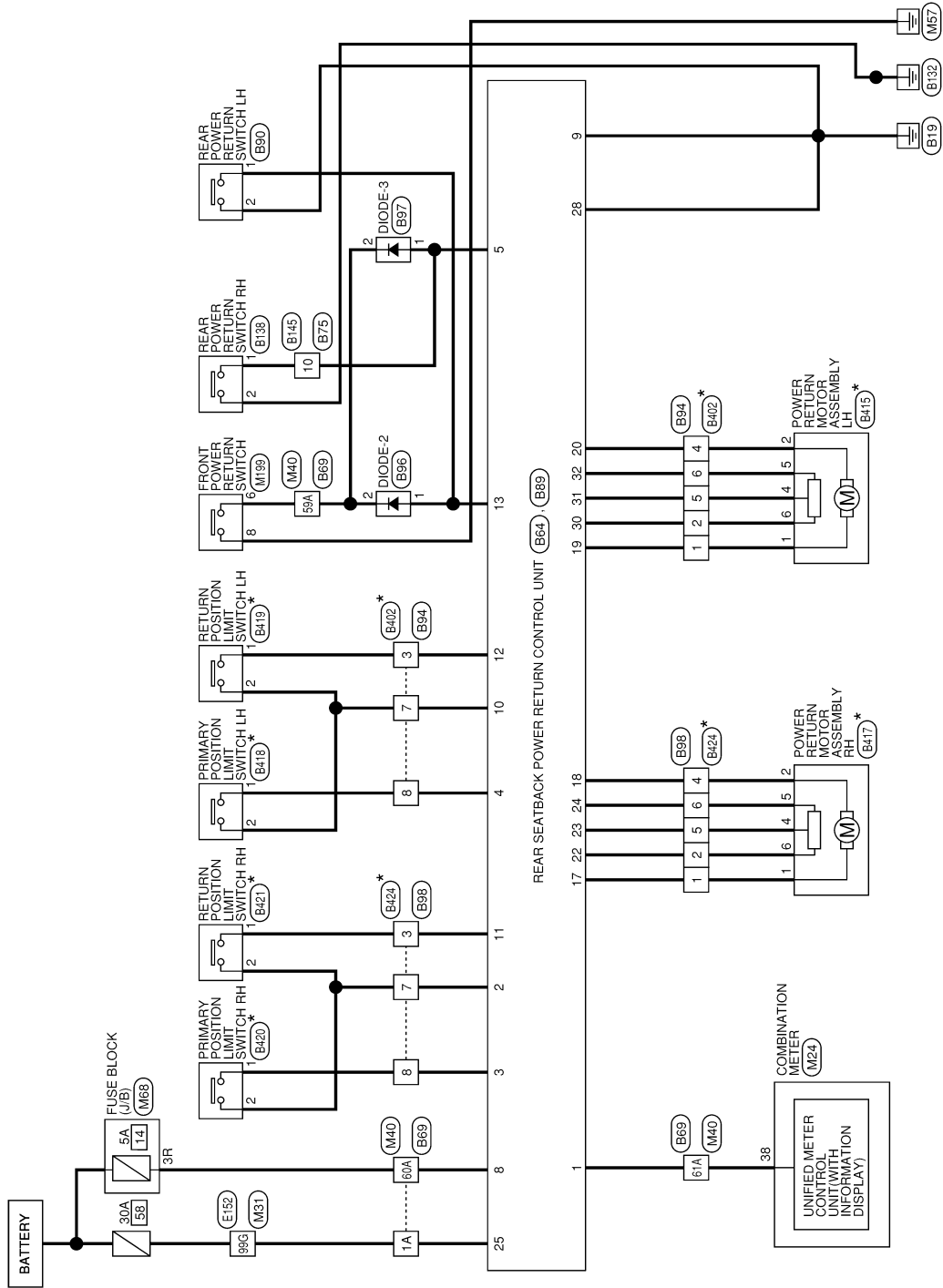
< WIRING DIAGRAM >

SECOND ROW SEATBACK POWER RETURN SYSTEM

Wiring Diagram

INFOID:000000012876446

SECOND ROW SEATBACK POWER RETURN SYSTEM



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

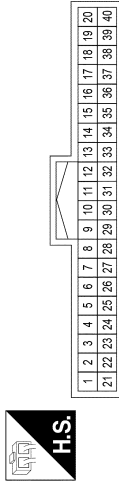
AAJWA0411GB

SECOND ROW SEATBACK POWER RETURN SYSTEM

< WIRING DIAGRAM >

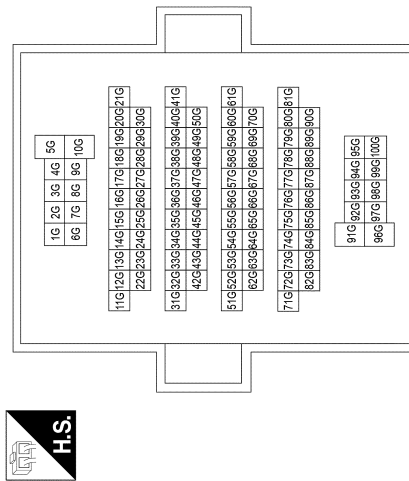
SECOND ROW SEATBACK POWER RETURN SYSTEM CONNECTORS

Connector No.	M24
Connector Name	COMBINATION METER
Connector Type	TH40FW-NH
Connector Color	WHITE



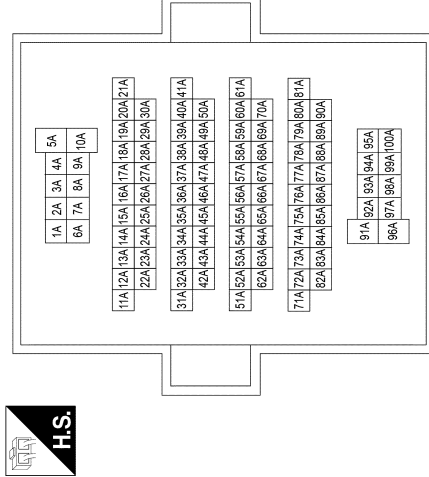
Terminal No.	Color of Wire	Signal Name
38	BR	SPEED 8P/R

Connector No.	M31
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4
Connector Color	WHITE



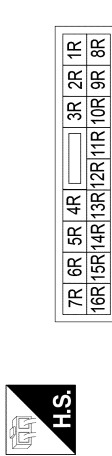
Terminal No.	Color of Wire	Signal Name
99G	R	-

Connector No.	M40
Connector Name	WIRE TO WIRE
Connector Type	TH80FDGY-CS16-TM4
Connector Color	GRAY



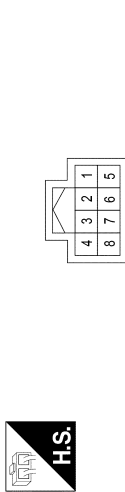
Terminal No.	Color of Wire	Signal Name
1A	R	-
59A	L	-
60A	G	-
61A	BR	-

Connector No.	M68
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS16FBR-CS
Connector Color	BROWN



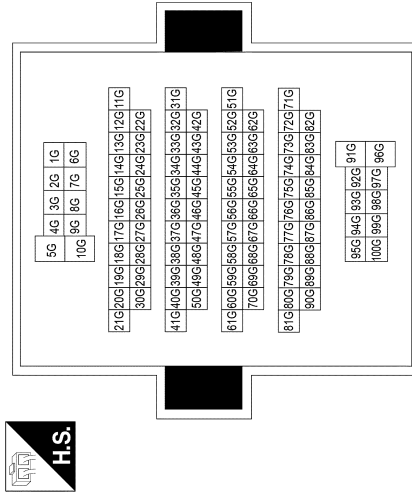
Terminal No.	Color of Wire	Signal Name
3R	G	-

Connector No.	M199
Connector Name	FRONT POWER RETURN SWITCH
Connector Type	TH08FGY-NH
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
6	L	-
8	B	-

Connector No.	E152
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
99G	R	-

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

SECOND ROW SEATBACK POWER RETURN SYSTEM

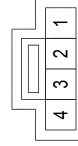
< WIRING DIAGRAM >

Connector No.	B89
Connector Name	REAR SEATBACK POWER RETURN CONTROL UNIT
Connector Type	SEA16FW
Connector Color	WHITE



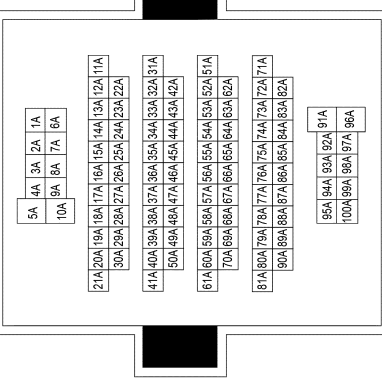
Terminal No.	Color of Wire	Signal Name
17	BR	MTR RH+
18	W	MTR RH-
19	BR	MTR LH+
20	W	MTR LH-
22	L	RETURN SENS PWR RH
23	O	RETURN SENS SIG RH
24	Y	RETURN SENS GND RH
25	G	BAT POWER
28	B	GND POWER
30	L	RETURN SENS PWR LH
31	O	RETURN SENS SIG LH
32	Y	RETURN SENS GND LH

Connector No.	B90
Connector Name	REAR POWER RETURN SWITCH LH
Connector Type	TK04FW
Connector Color	WHITE



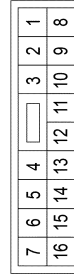
Terminal No.	Color of Wire	Signal Name
1	R	-
2	B	-

Connector No.	B69
Connector Name	WIRE TO WIRE
Connector Type	TH80MDGY-CS16-TM4
Connector Color	GRAY



Terminal No.	Color of Wire	Signal Name
1A	G	-
59A	G	-
60A	Y/L	-
61A	L/R	-

Connector No.	B75
Connector Name	WIRE TO WIRE
Connector Type	NS16FGY-CS
Connector Color	GRAY



Terminal No.	Color of Wire	Signal Name
10	P	-

Connector No.	B64
Connector Name	REAR SEATBACK POWER RETURN CONTROL UNIT
Connector Type	YAA16FW
Connector Color	WHITE



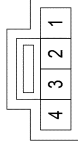
Terminal No.	Color of Wire	Signal Name
1	L/R	SPEED RPR
2	R	RH SW GND
3	V	PRIMAL SW RH
4	V	PRIMAL SW LH
5	P	RH SW
8	Y/L	BAT SIG
9	B	GND SIG
10	R	LH SW GND
11	G/W	RETURN SW RH
12	G/W	RETURN SW LH
13	G	LH SW

AAJIA1048GB

SECOND ROW SEATBACK POWER RETURN SYSTEM

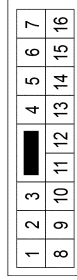
< WIRING DIAGRAM >

Connector No.	B138
Connector Name	REAR POWER RETURN SWITCH RH
Connector Type	TK04FW
Connector Color	WHITE



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

Connector No.	B145
Connector Name	WIRE TO WIRE
Connector Type	NS16MGY-CS
Connector Color	GRAY



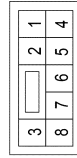
Terminal No.	Color of Wire	Signal Name
10	L	-

Connector No.	B97
Connector Name	DIODE-3
Connector Type	24335_C9802
Connector Color	BLACK



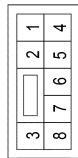
Terminal No.	Color of Wire	Signal Name
1	P	-
2	L	-

Connector No.	B98
Connector Name	WIRE TO WIRE
Connector Type	NS08FW-CS
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
1	BR	-
2	L	-
3	G/W	-
4	W	-
5	O	-
6	Y	-
7	R	-
8	V	-

Connector No.	B94
Connector Name	WIRE TO WIRE
Connector Type	NS08FW-CS
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
1	BR	-
2	L	-
3	G/W	-
4	W	-
5	O	-
6	Y	-
7	R	-
8	V	-

Connector No.	B96
Connector Name	DIODE-2
Connector Type	24335_C9902
Connector Color	BLACK



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


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


SECOND ROW SEATBACK POWER RETURN SYSTEM

< WIRING DIAGRAM >

1	P	-
2	BR	-


Connector No.	B420
Connector Name	PRIMARY POSITION LIMIT SWITCH RH
Connector Type	-
Connector Color	GRAY






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


Connector No.	B421
Connector Name	RETURN POSITION LIMIT SWITCH RH
Connector Type	-
Connector Color	GRAY

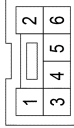




Terminal No.	Color of Wire	Signal Name
1	P	-
2	BR	-


Connector No.	B417
Connector Name	POWER RETURN MOTOR ASSEMBLY RH
Connector Type	-
Connector Color	GRAY






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


Connector No.	B418
Connector Name	PRIMARY POSITION LIMIT SWITCH LH
Connector Type	-
Connector Color	GRAY






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


Connector No.	B419
Connector Name	RETURN POSITION LIMIT SWITCH LH
Connector Type	-
Connector Color	BROWN

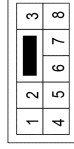




Terminal No.	Color of Wire	Signal Name


Connector No.	B402
Connector Name	WIRE TO WIRE
Connector Type	NS08MW-CS
Connector Color	WHITE

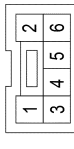




Terminal No.	Color of Wire	Signal Name
1	L	-
2	Y	-
3	P	-
4	R	-
5	G	-
6	B	-
7	BR	-
8	W	-

Connector No.	B415
Connector Name	POWER RETURN MOTOR ASSEMBLY LH
Connector Type	-
Connector Color	GRAY





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

AAJIA1050GB

SECOND ROW SEATBACK POWER RETURN SYSTEM

< WIRING DIAGRAM >

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

SE

Connector No.	B424
Connector Name	WIRE TO WIRE
Connector Type	NS08MW-CS
Connector Color	WHITE



1	2	3
4	5	6
7	8	

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

AAJIA1051GB

DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

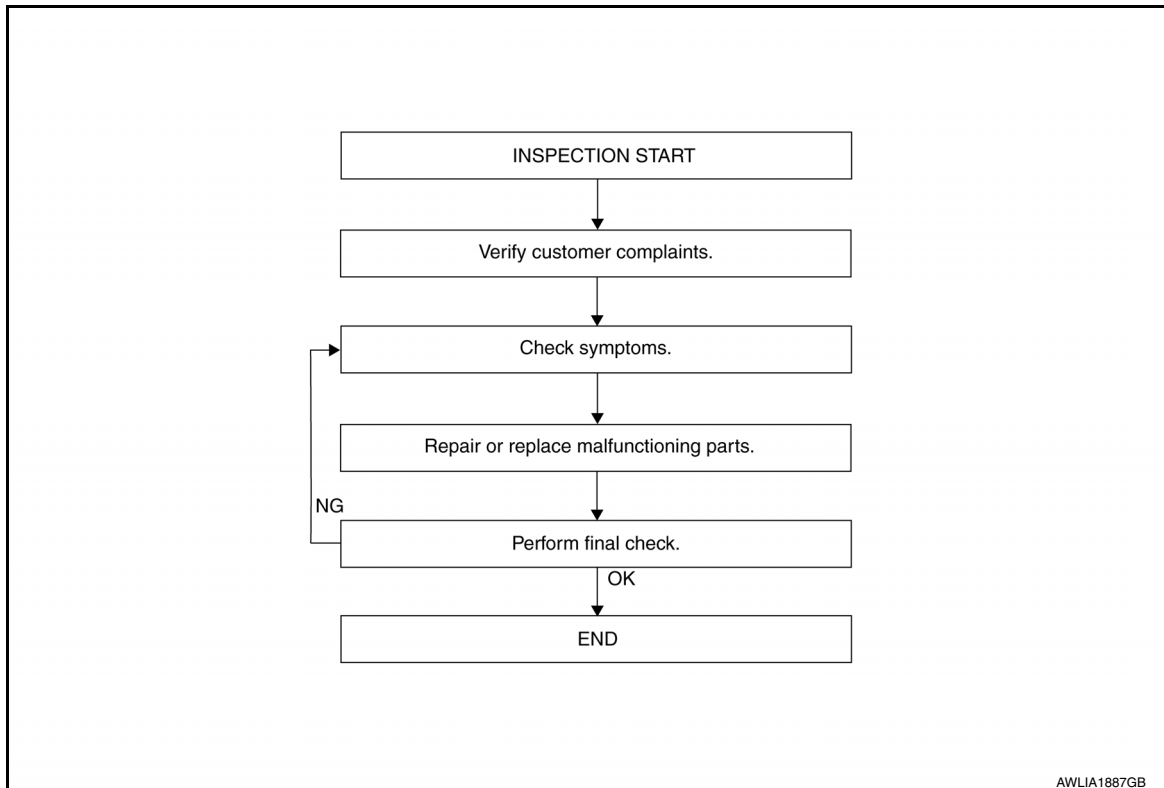
BASIC INSPECTION

DIAGNOSIS AND REPAIR WORK FLOW

Work Flow

INFOID:0000000012876447

OVERALL SEQUENCE



DETAILED FLOW

1. INSPECTION START

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

>> GO TO 2.

2. VERIFY CUSTOMER COMPLAINTS

Verify the symptom by performing an operational check. Refer to [SE-22, "CLIMATE CONTROLLED SEAT SYSTEM : System Description"](#) or [SE-23, "SECOND ROW SEATBACK POWER RETURN SYSTEM : System Description"](#).

>> GO TO 3.

3. CHECK SYMPTOMS

Diagnose the vehicle by performing the appropriate trouble diagnosis. Refer to [SE-105, "Symptom Table"](#) or [SE-106, "Symptom Table"](#).

>> GO TO 4.

4. REPAIR OR REPLACE MALFUNCTIONING PARTS

Repair or replace the specific parts.

>> GO TO 5.

DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

5. PERFORM FINAL CHECK

Perform a final inspection of the system.

Is the inspection result normal?

YES >> Inspection End.

NO >> GO TO 2.

A

B

C

D

E

F

G

H

I

SE

K

L

M

N

O

P

POWER SUPPLY AND GROUND CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

DTC/CIRCUIT DIAGNOSIS

POWER SUPPLY AND GROUND CIRCUIT CLIMATE CONTROLLED SEAT CONTROL UNIT

CLIMATE CONTROLLED SEAT CONTROL UNIT : Diagnosis Procedure INFOID:0000000012876448

Regarding Wiring Diagram information, refer to [SE-50, "Wiring Diagram"](#).

DRIVER SIDE

1. CHECK FUSE

Check if any of the following fuses are blown.

Signal name	Fuse No.
Battery power supply	60 (15A)
IGN power supply	29 (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 (DRIVER SIDE) POWER SUPPLY

1. Turn ignition switch OFF.
2. Disconnect climate controlled seat control unit (driver side) connector B205.
3. Turn ignition switch ON.
4. Check voltage between climate controlled seat control unit (driver side) harness connector B205 terminal 29 and ground.

(+)		(-)	Voltage (Approx.)
Climate controlled seat control unit (driver side)			
Connector	Terminal		
B205	29	Ground	Battery voltage

Is the inspection result normal?

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

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

1. Turn ignition switch OFF.
2. Disconnect climate controlled seat relay connector M58 and climate controlled seat control unit (driver side) connector B205.
3. Check continuity between climate controlled seat control unit (driver side) harness connector B205 terminal 29 and climate controlled seat relay harness connector M58 terminal 6.

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

4. Check continuity between climate controlled seat control unit (driver side) harness connector B205 terminal 29 and ground.

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

Is the inspection result normal?

POWER SUPPLY AND GROUND CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

- 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 M58 terminals 2 and 7 and ground.

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

Is the inspection result normal?

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

5.CHECK CLIMATE CONTROLLED SEAT RELAY GROUND CIRCUIT

1. Turn ignition switch OFF.
2. Check continuity between climate controlled seat relay harness connector M58 terminal 1 and ground.

Climate controlled seat relay		(-)	Continuity
Connector	Terminal		
M58	1	Ground	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-69. "CLIMATE CONTROLLED SEAT CONTROL UNIT : Component Inspection"](#).

Is the inspection result normal?

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

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

1. Turn ignition switch OFF.
2. Check continuity between climate control unit (driver side) harness connector B205 terminal 27 and ground.

Climate controlled seat control unit (driver side)		(-)	Continuity
Connector	Terminal		
B205	27	Ground	Yes

Is the inspection result normal?

- YES >> Check intermittent incident. Refer to [GI-42. "Intermittent Incident"](#).
NO >> Repair or replace harness or connector.

PASSENGER SIDE

1.CHECK FUSE

Check if any of the following fuses are blown.

Signal name	Fuse No.
Battery power supply	57 (15A)
IGN power supply	29 (10A)

POWER SUPPLY AND GROUND CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

Is the fuse blown?

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

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

1. Turn ignition switch OFF.
2. Disconnect climate controlled seat control unit (passenger side) connector B304.
3. Turn ignition switch ON.
4. Check voltage between climate controlled seat control unit (passenger side) harness connector B304 terminal 29 and ground.

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

Is the inspection result normal?

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

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

1. Turn ignition switch OFF.
2. Disconnect climate controlled seat relay connector M58 and climate controlled seat control unit (passenger side) connector B304.
3. Check continuity between climate controlled seat control unit (passenger side) harness connector B304 terminal 29 and climate controlled seat relay harness connector M58 terminal 3.

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

4. Check continuity between climate controlled seat control unit (passenger side) harness connector B304 terminal 29 and ground.

Climate controlled seat control unit (passenger side)		(-)	Continuity
Connector	Terminal		
B304	29	Ground	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 M58 terminals 2 and 5 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.

POWER SUPPLY AND GROUND CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

5.CHECK CLIMATE CONTROLLED SEAT RELAY GROUND CIRCUIT

1. Turn ignition switch OFF.
2. Check continuity between climate controlled seat relay harness connector M58 terminal 1 and ground.

Climate controlled seat relay		(-)	Continuity
Connector	Terminal		
M58	1	Ground	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-69. "CLIMATE CONTROLLED SEAT CONTROL UNIT : Component Inspection"](#).

Is the inspection result normal?

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

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

1. Turn ignition switch OFF.
2. Check continuity between harness connector B304 terminal 27 and ground.

Climate controlled seat control unit (passenger side)		(-)	Continuity
Connector	Terminal		
B304	27	Ground	Yes

Is the inspection result normal?

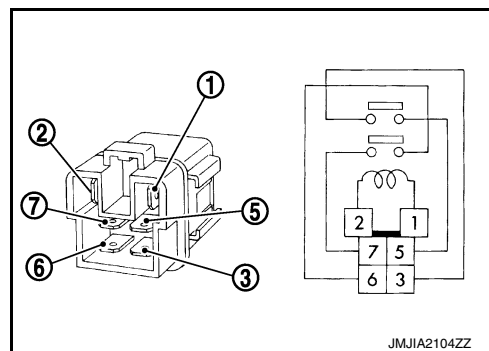
- YES >> Check intermittent incident. Refer to [GI-42. "Intermittent Incident"](#).
NO >> Repair harness or connector.

CLIMATE CONTROLLED SEAT CONTROL UNIT : Component Inspection INFOID:0000000012876449

1.CHECK CLIMATE CONTROLLED SEAT RELAY

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

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



Is the inspection result normal?

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

REAR SEATBACK POWER RETURN CONTROL UNIT

REAR SEATBACK POWER RETURN CONTROL UNIT : Diagnosis Procedure INFOID:0000000012876450

1.CHECK FUSE

Check that the following fuses are not blown.

POWER SUPPLY AND GROUND CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

Signal name	Fuse No.
Battery power supply	14 (5A)
	58 (30A)

Is the inspection result normal?

YES >> GO TO 2.

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

2. CHECK POWER SUPPLY

1. Turn ignition switch OFF.
2. Disconnect rear seatback power return control unit connectors B64 and B89.
3. Check voltage between rear seatback power return control unit harness connectors B64 terminal 8 and B89 terminal 25 and ground.

(+)		(-)	Voltage (Approx.)
Connector	Terminal		
Rear seatback power return control unit		Ground	Battery voltage
B64	8		
B89	25		

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair harness or connector.

3. CHECK GROUND CIRCUIT

Check continuity between rear seatback power return control unit harness connectors B64 terminal 9 and B89 terminal 28 and ground.

Rear seatback power return control unit		(-)	Continuity
Connector	Terminal		
B64	9	Ground	Yes
B89	28		

Is the inspection result normal?

YES >> Inspection End.

NO >> Repair harness or connector.

CLIMATE CONTROLLED SEAT SWITCH

< DTC/CIRCUIT DIAGNOSIS >

CLIMATE CONTROLLED SEAT SWITCH

Component Function Check

INFOID:000000012876451

1. CHECK CLIMATE CONTROLLED SEAT SWITCH FUNCTION

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

Is the inspection result normal?

- YES >> Climate controlled seat switch is OK.
- NO >> Refer to [SE-71, "Diagnosis Procedure"](#).

Diagnosis Procedure

INFOID:000000012876452

Regarding Wiring Diagram information, refer to [SE-50, "Wiring Diagram"](#).

1. CHECK CLIMATE CONTROLLED SEAT CONTROL UNIT INPUT SIGNAL

1. Turn ignition switch ON.
2. Check voltage between climate controlled seat control unit harness connectors B204 terminals 7 and 6 and B305 terminals 7 and 6 and ground.

(+)		(-)	Condition	Voltage (Approx.)	
Climate controlled seat control unit					
Connector	Terminal				
Driver seat	B204	Ground	Climate controlled seat switch (driver side)	COOL HI	2.6V - 4.2V
				COOL MID	1.6V - 2.5V
				COOL LO	0.8V - 1.5V
			OFF		0V
			HEAT	HI	2.6V - 4.2V
				MID	1.6V - 2.5V
LO	0.8V - 1.5V				
OFF		0V			
Passenger seat	B305	Ground	Climate controlled seat switch (passenger seat)	COOL HI	2.6V - 4.2V
				COOL MID	1.6V - 2.5V
				COOL LO	0.8V - 1.5V
			OFF		0V
			HEAT	HI	2.6V - 4.2V
				MID	1.6V - 2.5V
LO	0.8V - 1.5V				
OFF		0V			

Is the inspection result normal?

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

2. CHECK CLIMATE CONTROLLED SEAT SWITCH CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect climate controlled seat switch connectors M203 and M206 and climate controlled seat control unit connectors B204 and B305.
3. Check continuity between climate controlled seat switch harness connectors M203 terminals 2 and 1 and M206 terminals 2 and 1 and climate controlled seat control unit harness connectors B204 terminals 7 and 6 and B305 terminals 7 and 6.

CLIMATE CONTROLLED SEAT SWITCH

< DTC/CIRCUIT DIAGNOSIS >

Climate controlled seat switch			Climate controlled seat control unit		Continuity
Connector		Terminal	Connector	Terminal	
Driver seat	COOL	M203	B204	2	7
	HEAT			1	6
Passenger seat	COOL	M206	B305	2	7
	HEAT			1	6

4. Check continuity between climate controlled seat switch harness connectors M203 terminals 2 and 1 and M206 terminals 2 and 1 and ground.

Climate controlled seat switch			Terminal	(-)	Continuity
Connector					
Driver seat	COOL	M203	2	Ground	No
	HEAT		1		
Passenger seat	COOL	M206	2		
	HEAT		1		

Is the inspection result normal?

YES >> GO TO 5.

NO >> Repair or replace harness.

3. CHECK CLIMATE CONTROLLED SEAT SWITCH POWER SUPPLY

- Turn ignition switch OFF.
- Disconnect climate controlled seat switch connector connectors M203 and M206.
- Turn ignition switch ON.
- Check voltage between climate controlled seat switch harness connectors M203 terminal 3 and M206 terminal 3 and ground.

Climate controlled seat switch			Terminal	(-)	Voltage (Approx.)
Connector					
Driver seat	M203	3	Ground	Battery voltage	
Passenger seat	M206				

Is the inspection result normal?

YES >> GO TO 5.

NO >> GO TO 4.

4. CHECK CLIMATE CONTROLLED SEAT SWITCH POWER SUPPLY CIRCUIT

- Turn ignition switch OFF.
- Disconnect climate controlled seat control unit connectors B204 and B305 and climate controlled seat switch connectors M203 and M206.
- Check continuity between climate controlled seat switch harness connectors M203 terminal 3 and M206 terminal 3 and climate controlled seat control unit harness connectors B204 terminal 8 and B305 terminal 8.

Climate controlled seat switch			Climate controlled seat control unit		Continuity
Connector		Terminal	Connector	Terminal	
Driver seat	M203	3	B204	8	Yes
Passenger seat	M206		B305		

4. Check continuity between climate controlled seat switch harness connectors M203 terminal and M206 terminal 3 and ground.

CLIMATE CONTROLLED SEAT SWITCH

< DTC/CIRCUIT DIAGNOSIS >

Climate controlled seat switch		Terminal	(-)	Continuity
Connector				
Driver seat	M203	3	Ground	No
Passenger seat	M206			

Is the inspection result normal?

- YES >> Replace climate controlled seat control unit. Refer to [SE-113. "Exploded View"](#).
 NO >> Repair or replace harness.

5.CHECK CLIMATE CONTROLLED SEAT SWITCH

Check climate controlled seat switch.
 Refer to [SE-73. "Component Inspection"](#).

Is the inspection result normal?

- YES >> Check intermittent incident. Refer to [GI-42. "Intermittent Incident"](#).
 NO >> Replace climate controlled seat switch. Refer to [SE-127. "Climate Controlled Seat Switch"](#).

Component Inspection

INFOID:000000012876453

1.CHECK CLIMATE CONTROLLED SEAT SWITCH

- Turn ignition switch OFF.
- Disconnect climate controlled seat switch connectors M203 and M206.
- Check the continuity between climate controlled seat switch terminals under the following conditions.

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

Is the inspection result normal?

- YES >> Inspection End.
 NO >> Replace climate controlled seat switch. Refer to [SE-127. "Climate Controlled Seat Switch"](#).

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

SE

SEATBACK THERMAL ELECTRIC DEVICE

< DTC/CIRCUIT DIAGNOSIS >

SEATBACK THERMAL ELECTRIC DEVICE

Component Function Check

INFOID:000000012876454

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-74, "Diagnosis Procedure"](#).

Diagnosis Procedure

INFOID:000000012876455

Regarding Wiring Diagram information, refer to [SE-50, "Wiring Diagram"](#).

1.CHECK SEATBACK THERMAL ELECTRIC DEVICE INPUT SIGNAL

1. Turn ignition switch ON.
2. Check voltage between seatback thermal electric device harness connectors B212 terminals 1 and 2 and B309 terminals 1 and 2 and ground.

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

*:It changes between 12V and 0V

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-125, "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 connectors B205 and B304 and seatback thermal electric device connectors B212 and B309.
3. Check continuity between climate controlled seat control unit harness connectors B205 terminals 26 and 28 and B304 terminals 26 and 28 and seatback thermal electric device harness connectors B212 terminals 1 and 2 and B309 terminals 1 and 2.

SEATBACK THERMAL ELECTRIC DEVICE

< DTC/CIRCUIT DIAGNOSIS >

Climate controlled seat control unit		Seatback thermal electric device		Continuity
Connector	Terminal	Connector	Terminal	
Driver seat	B205	26	B212	1
		28		2
Passenger seat	B304	26	B309	1
		28		2

4. Check continuity between climate controlled seat control unit harness connectors B205 terminals 26 and 28 and B304 terminals 26 and 28 and ground.

Climate controlled seat control unit		Terminal	(-)	Continuity
Connector	Terminal			
Driver seat	B205	26	Ground	No
		28		
Passenger seat	B304	26		
		28		

Is the inspection result normal?

- YES >> Replace climate controlled seat control unit. Refer to [SE-113, "Exploded View"](#).
 NO >> Repair or replace harness.

SE

SEATBACK THERMAL ELECTRIC DEVICE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

SEATBACK THERMAL ELECTRIC DEVICE SENSOR

Component Function Check

INFOID:0000000012876456

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-76, "Diagnosis Procedure"](#).

Diagnosis Procedure

INFOID:0000000012876457

Regarding Wiring Diagram information, refer to [SE-50, "Wiring Diagram"](#).

1. CHECK SEATBACK THERMAL ELECTRIC DEVICE SENSOR SIGNAL

- Turn ignition switch ON.
- Check voltage between seatback thermal electric device harness connectors B212 terminal 3 and B309 terminal 3 and ground.

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

Is the inspection result normal?

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

2. CHECK SEATBACK THERMAL ELECTRIC DEVICE SENSOR CIRCUIT

- Turn ignition switch OFF.
- Disconnect climate controlled seat control unit connectors B204 and B305 and seatback thermal electric device connectors B212 and B309.
- Check continuity between climate controlled seat control unit harness connectors B204 terminal 3 and B305 terminal 3 and seatback thermal electric device harness connectors B212 terminal 3 and B309 terminal 3.

Climate controlled seat control unit		Terminal	Seatback thermal electric device		Continuity
Connector			Connector	Terminal	
Driver seat	B204	3	B212	3	Yes
Passenger seat	B305		B309		

- Check continuity between climate controlled seat control unit harness connectors B204 terminal 3 and B305 terminal 3 and ground.

Climate controlled seat control unit		Terminal	(-)	Continuity
Connector				
Driver seat	B204	3	Ground	No
Passenger seat	B305			

Is the inspection result normal?

- YES >> Replace climate controlled seat control unit. Refer to [SE-113, "Exploded View"](#).
NO >> Repair or replace harness.

SEATBACK THERMAL ELECTRIC DEVICE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

3. CHECK SEATBACK THERMAL ELECTRIC DEVICE SENSOR GROUND CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect climate controlled seat control unit connectors B204 and B305 and seatback thermal electric device connectors B212 and B309.
3. Check continuity between climate controlled seat control unit harness connectors B204 terminal 18 and B305 terminal 18 and seatback thermal electric device harness connectors B212 terminal 4 and B309 terminal 4.

Climate controlled seat control unit		Seatback thermal electric device		Continuity
Connector	Terminal	Connector	Terminal	
Driver seat	B204	B212	4	Yes
Passenger seat	B305			
		B309		

4. Check continuity between climate controlled seat control unit harness connectors B204 terminal 18 and B305 terminal 18 and ground.

Climate controlled seat control unit		Terminal	(-)	Continuity
Connector	Terminal			
Driver seat	B204	18	Ground	No
Passenger seat	B305			

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-77, "Component Inspection"](#).

Is the inspection result normal?

- YES >> Check intermittent incident. Refer to [GI-42, "Intermittent Incident"](#).
 NO >> Replace seatback thermal electric device. [SE-125, "Seatback Thermal Electric Device"](#).

Component Inspection

INFOID:000000012876458

1. CHECK SEATBACK THERMAL ELECTRIC DEVICE SENSOR

1. Turn ignition switch OFF.
2. Disconnect seatback thermal electric device connectors B212 and B309.
3. Check resistance between seatback thermal electric device terminals.

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

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

Is the inspection result normal?

- YES >> Inspection End.
 NO >> Replace seatback thermal electric device. Refer to [SE-125, "Seatback Thermal Electric Device"](#).

SEAT CUSHION THERMAL ELECTRIC DEVICE

< DTC/CIRCUIT DIAGNOSIS >

SEAT CUSHION THERMAL ELECTRIC DEVICE

Component Function Check

INFOID:0000000012876459

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-78, "Diagnosis Procedure"](#).

Diagnosis Procedure

INFOID:0000000012876460

Regarding Wiring Diagram information, refer to [SE-50, "Wiring Diagram"](#).

1.CHECK SEAT CUSHION THERMAL ELECTRIC DEVICE SIGNAL

1. Turn ignition switch ON.
2. Check voltage between seat cushion thermal electric device harness connectors B206 terminals 1 and 2 and B308 terminals 1 and 2 and ground.

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

*:It changes between 12V and 0V

NOTE:

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

Is the inspection result normal?

- YES >> Replace seat cushion thermal electric device. Refer to [SE-126, "Seat Cushion Thermal Electric Device"](#).
- NO >> GO TO 2.

2.CHECK SEAT CUSHION THERMAL ELECTRIC DEVICE CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect climate controlled seat control unit connectors B205 and B304 and seat cushion thermal electric device connectors B206 and B308.
3. Check continuity between climate controlled seat control unit harness connectors B205 terminals 25 and 30 and B304 terminals 25 and 30 and seat cushion thermal electric device harness connectors B206 terminals 1 and 2 and B308 terminals 1 and 2.

SEAT CUSHION THERMAL ELECTRIC DEVICE

< DTC/CIRCUIT DIAGNOSIS >

Climate controlled seat control unit		Seat cushion thermal electric device		Continuity
Connector	Terminal	Connector	Terminal	
Driver seat	B205	25	B206	1
		30		2
Passenger seat	B304	25	B308	1
		30		2

4. Check continuity between climate controlled seat control unit harness connectors B205 terminals 25 and 30 and B304 terminals 25 and 30 and ground.

Climate controlled seat control unit		Terminal	(-)	Continuity
Connector	Terminal			
Driver seat	B205	25	Ground	No
		30		
Passenger seat	B304	25		
		30		

Is the inspection result normal?

- YES >> Replace climate controlled seat control unit. Refer to [SE-113, "Exploded View"](#).
 NO >> Repair or replace harness.

SE

SEAT CUSHION THERMAL ELECTRIC DEVICE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

SEAT CUSHION THERMAL ELECTRIC DEVICE SENSOR

Component Function Check

INFOID:000000012876461

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-80, "Diagnosis Procedure"](#).

Diagnosis Procedure

INFOID:000000012876462

Regarding Wiring Diagram information, refer to [SE-50, "Wiring Diagram"](#).

1. CHECK SEAT CUSHION THERMAL ELECTRIC DEVICE SENSOR SIGNAL

1. Turn ignition switch ON.
2. Check voltage between seat cushion thermal electric device harness connectors B206 terminal 3 and B308 terminal 3 and ground.

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

Is the inspection result normal?

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

2. CHECK SEAT CUSHION THERMAL ELECTRIC DEVICE SENSOR CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect climate controlled seat control unit connectors B204 and B305 and seat cushion thermal electric device connectors B206 and B308.
3. Check continuity between climate controlled seat control unit harness connectors B204 terminal 2 and B305 terminal 2 and seat cushion thermal electric device harness connectors B206 terminal 3 and B308 terminal 3.

Climate controlled seat control unit		Terminal	Seat cushion thermal electric device		Continuity
Connector			Connector	Terminal	
Driver seat	B204	2	B206	3	Yes
Passenger seat	B305		B308		

4. Check continuity between climate controlled seat control unit harness connectors B204 terminal 2 and B305 terminal 2 and ground.

Climate controlled seat control unit		Terminal	(-)	Continuity
Connector				
Driver seat	B204	2	Ground	No
Passenger seat	B305			

Is the inspection result normal?

- YES >> Replace climate controlled seat control unit. Refer to [SE-113, "Exploded View"](#).
NO >> Repair or replace harness.

SEAT CUSHION THERMAL ELECTRIC DEVICE SENSOR

< DTC/CIRCUIT DIAGNOSIS >

3. CHECK SEAT CUSHION THERMAL ELECTRIC DEVICE SENSOR GROUND CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect climate controlled seat control unit connectors B204 and B305 and seat cushion thermal electric device connectors B206 and B308.
3. Check continuity between climate controlled seat control unit harness connectors B204 terminal 17 and B305 terminal 17 and seat cushion thermal electric device harness connectors B206 terminal 4 and B308 terminal 4.

Climate controlled seat control unit		Seat cushion thermal electric device		Continuity
Connector	Terminal	Connector	Terminal	
Driver seat	B204	B206	4	Yes
Passenger seat	B305			
		B308		

4. Check continuity between climate controlled seat control unit harness connectors B204 terminal 17 and B305 terminal 17 and ground.

Climate controlled seat control unit		Terminal	(-)	Continuity
Connector	Terminal			
Driver seat	B204	17	Ground	No
Passenger seat	B305			

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-81, "Component Inspection"](#).

Is the inspection result normal?

- YES >> Check intermittent incident. Refer to [GI-42, "Intermittent Incident"](#).
 NO >> Replace seat cushion thermal electric device. [SE-126, "Seat Cushion Thermal Electric Device"](#).

Component Inspection

INFOID:000000012876463

1. CHECK SEAT CUSHION THERMAL ELECTRIC DEVICE SENSOR

1. Turn ignition switch OFF.
2. Disconnect seat cushion thermal electric device connectors B206 and B308.
3. Check resistance between seat cushion thermal electric device terminals.

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

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

Is the inspection result normal?

- YES >> Inspection End.
 NO >> Replace seat cushion thermal electric device. Refer to [SE-126, "Seat Cushion Thermal Electric Device"](#).

CLIMATE CONTROLLED SEAT BLOWER MOTOR

< DTC/CIRCUIT DIAGNOSIS >

CLIMATE CONTROLLED SEAT BLOWER MOTOR

Component Function Check

INFOID:000000012876464

1. CHECK CLIMATE CONTROLLED SEATBACK BLOWER MOTOR FUNCTION

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

Is the inspection result normal?

- YES >> Inspection End.
 NO >> Refer to [SE-82, "Diagnosis Procedure"](#).

Diagnosis Procedure

INFOID:000000012876465

Regarding Wiring Diagram information, refer to [SE-50, "Wiring Diagram"](#).

1. CHECK CLIMATE CONTROLLED SEAT BLOWER MOTOR POWER SUPPLY

- Turn ignition switch ON.
- Check voltage between climate controlled seat blower motor harness connectors B213 terminal 2 and B307 terminal 2 and ground.

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

Is the inspection result normal?

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

2. CHECK CLIMATE CONTROLLED SEAT BLOWER MOTOR POWER SUPPLY CIRCUIT

- Turn ignition switch OFF.
- Disconnect climate controlled seat blower motor connectors B213 and B307 and climate controlled seat control unit connectors B204 and B305.
- Check continuity between climate controlled seat blower motor harness connectors B213 terminal 2 and B307 terminal 2 and climate controlled seat control unit harness connectors B204 terminal 12 and B305 terminal 12.

Climate controlled seat blower motor		Climate controlled seat control unit		Continuity
Connector	Terminal	Connector	Terminal	
Driver seat	B213	B204	12	Yes
Passenger seat	B307	B305		

- Check continuity between climate controlled seat blower motor harness connectors B213 terminal 2 and B307 terminal 2 and ground.

Climate controlled seat blower motor		(-)	Continuity
Connector	Terminal		

CLIMATE CONTROLLED SEAT BLOWER MOTOR

< DTC/CIRCUIT DIAGNOSIS >

Driver seat	B213	2	Ground	No
Passenger seat	B307			

Is the inspection result normal?

YES >> Replace climate controlled seat control unit. Refer to [SE-113, "Exploded View"](#).

NO >> Repair or replace harness.

3. CHECK CLIMATE CONTROLLED SEAT BLOWER MOTOR SPEED CONTROL SIGNAL

Check voltage between climate controlled seat blower motor harness connectors B213 terminal 3 and B307 terminal 3 and ground.

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

Is the inspection result normal?

YES >> GO TO 5.

NO >> GO TO 4.

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

- Turn ignition switch OFF.
- Disconnect climate controlled seat blower motor connectors B213 and B307 and climate controlled seat control unit connectors B204 and B305.
- Check continuity between climate controlled seat blower motor harness connectors B213 terminal 3 and B307 terminal 3 and climate controlled seat control unit harness connectors B204 terminal 4 and B305 terminal 4.

Climate controlled seat blower motor		Climate controlled seat control unit		Continuity
Connector	Terminal	Connector	Terminal	
Driver seat	B213	B204	4	Yes
Passenger seat	B307			

- Check continuity between climate controlled seatback blower motor harness connectors B213 terminal 3 and B307 terminal 3 and ground.

Climate controlled seat blower motor		Terminal	(-)	Continuity
Connector				
Driver seat	B213	3	Ground	No
Passenger seat	B307			

Is the inspection result normal?

YES >> Replace climate controlled seat control unit. Refer to [SE-113, "Exploded View"](#).

NO >> Repair or replace harness.

5. CHECK CLIMATE CONTROLLED SEAT BLOWER MOTOR GROUND CIRCUIT

- Turn ignition switch OFF.

CLIMATE CONTROLLED SEAT BLOWER MOTOR

< DTC/CIRCUIT DIAGNOSIS >

2. Disconnect climate controlled seat blower motor connectors B213 and B307 and climate controlled seat control unit connectors B204 and B305.
3. Check continuity between climate controlled seat blower motor harness connectors B213 terminal 4 and B307 terminal 4 and climate controlled seat control unit harness connectors B204 terminal 20 and B305 terminal 20.

Climate controlled seat blower motor		Climate controlled seat control unit		Continuity
Connector	Terminal	Connector	Terminal	
Driver seat	B213	4	B204	Yes
Passenger seat	B307		B305	

4. Check continuity between climate controlled seatback blower motor harness connectors B213 terminal 4 and B307 terminal 4 and ground.

Climate controlled seat blower motor		Terminal	(-)	Continuity
Connector	Terminal			
Driver seat	B213	4	Ground	No
Passenger seat	B307			

Is the inspection result normal?

- YES >> Replace climate controlled seat blower motor. Refer to [SE-126, "Climate Controlled Seat Blower Motor"](#).
- NO >> Repair or replace harness.

CLIMATE CONTROLLED SEAT SWITCH INDICATOR

< DTC/CIRCUIT DIAGNOSIS >

CLIMATE CONTROLLED SEAT SWITCH INDICATOR

Component Function Check

INFOID:000000012876466

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-85, "Diagnosis Procedure"](#).

Diagnosis Procedure

INFOID:000000012876467

Regarding Wiring Diagram information, refer to [SE-50, "Wiring Diagram"](#).

1. CHECK CLIMATE CONTROLLED SEAT SWITCH INPUT SIGNAL

- Turn ignition switch ON.
- Check voltage between climate controlled seat switch harness connectors M203 terminals 8 and 9 and M206 terminals 5 and 8 and ground.

(+)		(-)	Condition		Voltage (Approx.)
Climate controlled seat switch			Climate controlled seat switch		
Connector	Terminal	Ground			
Driver seat	M203		8	HEAT mode	Battery voltage
				OFF	0V
			9	COOL mode	Battery voltage
				OFF	0V
Passenger seat	M206		5	HEAT mode	Battery voltage
				OFF	0V
			8	COOL mode	Battery voltage
		OFF		0V	

Is the inspection result normal?

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

2. CHECK CLIMATE CONTROLLED SEAT SWITCH INDICATOR CIRCUIT

- Turn ignition switch OFF.
- Disconnect climate controlled seat switch connectors M203 and M206 and climate controlled seat control unit connectors B204 and B305.
- Check continuity between climate controlled seat switch harness connectors M203 terminals 8 and 9 and M206 terminals 5 and 8 and climate controlled seat control unit harness connectors B204 terminals 9 and 10 and B305 terminals 9 and 10.

Climate controlled seat switch		Climate controlled seat control unit		Continuity
Connector	Terminal	Connector	Terminal	
Driver seat	M203	B204	9	Yes
			8	
Passenger seat	M206	B305	9	
			5	

CLIMATE CONTROLLED SEAT SWITCH INDICATOR

< DTC/CIRCUIT DIAGNOSIS >

4. Check continuity between climate controlled seat switch harness connectors M203 terminals 8 and 9 and M206 terminals 5 and 8 and ground.

Climate controlled seat switch			(-)	Continuity
	Connector	Terminal		
Driver seat	M203	9	Ground	No
		8		
Passenger seat	M206	8		
		5		

Is the inspection result normal?

- YES >> Replace climate controlled seat control unit. Refer to [SE-113, "Exploded View"](#).
 NO >> Repair or replace harness.

3. CHECK CLIMATE CONTROLLED SEAT SWITCH GROUND CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect climate controlled seat switch connectors M203 and M206.
3. Check continuity between climate controlled seat switch harness connectors M203 terminals 7 and 6 and M206 terminals 7 and 6 and ground.

Climate controlled seat switch			(-)	Continuity
	Connector	Terminal		
Driver seat	M203	7	Ground	Yes
Passenger seat	M206	6		

Is the inspection result normal?

- YES >> Replace climate controlled seat switch. Refer to [SE-127, "Climate Controlled Seat Switch"](#).
 NO >> Repair or replace harness.

CLIMATE CONTROLLED SEAT BLOWER FILTER

< DTC/CIRCUIT DIAGNOSIS >

CLIMATE CONTROLLED SEAT BLOWER FILTER

Diagnosis Procedure

INFOID:000000012876468

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-126, "Climate Controlled Seat Blower Motor"](#).

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

SE

POWER RETURN SWITCH

< DTC/CIRCUIT DIAGNOSIS >

POWER RETURN SWITCH FRONT POWER RETURN SWITCH

FRONT POWER RETURN SWITCH : Component Function Check

INFOID:0000000012876469

1. CHECK FUNCTION

Check the front power return switch operation.

Is the inspection result normal?

YES >> Inspection End.

NO >> Refer to [SE-88, "FRONT POWER RETURN SWITCH : Diagnosis Procedure"](#).

FRONT POWER RETURN SWITCH : Diagnosis Procedure

INFOID:0000000012876470

1. CHECK FRONT POWER RETURN SWITCH GROUND CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect front power return switch connector M199.
3. Check continuity between front power return switch harness connector M199 terminal 8 and ground.

Front power return switch		(-)	Continuity
Connector	Terminal		
M199	8	Ground	Yes

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness.

2. CHECK FRONT POWER RETURN SWITCH RETURN SIGNAL

Check voltage between front power return switch harness connector M199 terminal 6 and ground.

Front power return switch		(-)	Voltage (Approx.)
Connector	Terminal		
M199	6	Ground	4.7V – 5.3V

Is the inspection result normal?

YES >> GO TO 4.

NO >> GO TO 3.

3. CHECK FRONT POWER RETURN SWITCH CIRCUIT

1. Disconnect rear seatback power return control unit connector B64 and front power return switch connector M199.
2. Check continuity between rear seatback power return control unit harness connector B64 terminal 13 and front power return switch harness connector M199 terminal 6.

Rear seatback power return control unit		Front power return switch		Continuity
Connector	Terminal	Connector	Terminal	
B64	13	M199	6	Yes

3. Check continuity between rear seatback power return control unit harness connector B64 terminal 13 and ground.

Rear seatback power return control unit		(-)	Continuity
Connector	Terminal		
B64	13	Ground	No

Is the inspection result normal?

YES >> Replace rear seatback power return control unit. Refer to [SE-113, "Exploded View"](#).

POWER RETURN SWITCH

< DTC/CIRCUIT DIAGNOSIS >

NO >> Repair or replace harness.

4.CHECK FRONT POWER RETURN SWITCH

Check front power return switch.

Refer to [SE-91. "Component Inspection"](#).

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace front power return switch.

5.CHECK INTERMITTENT INCIDENT

Refer to [GI-42. "Intermittent Incident"](#).

>> Inspection End.

REAR POWER RETURN SWITCH LH

REAR POWER RETURN SWITCH LH : Component Function Check

INFOID:0000000012876471

1.CHECK FUNCTION

Check the rear power return switch LH operation.

Is the inspection result normal?

YES >> Inspection End.

NO >> Refer to [SE-89. "REAR POWER RETURN SWITCH LH : Diagnosis Procedure"](#).

REAR POWER RETURN SWITCH LH : Diagnosis Procedure

INFOID:0000000012876472

1.CHECK REAR POWER RETURN SWITCH LH GROUND CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect rear power return switch LH connector B90.
3. Check continuity between rear power return switch LH harness connector B90 terminal 2 and ground.

Rear power return switch LH		(-)	Continuity
Connector	Terminal		
B90	2	Ground	Yes

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness.

2.CHECK REAR POWER RETURN SWITCH LH RETURN SIGNAL

Check voltage between rear power return switch LH harness connector B90 terminal 1 and ground.

Rear power return switch LH		(-)	Voltage (Approx.)
Connector	Terminal		
B90	1	Ground	4.7V – 5.3V

Is the inspection result normal?

YES >> GO TO 4.

NO >> GO TO 3.

3.CHECK REAR POWER RETURN SWITCH LH CIRCUIT

1. Disconnect rear seatback power return control unit connector B64 and rear power return switch LH connector B90.
2. Check continuity between rear seatback power return control unit harness connector B64 terminal 13 and rear power return switch LH harness connector B90 terminal 1.

POWER RETURN SWITCH

< DTC/CIRCUIT DIAGNOSIS >

Rear seatback power return control unit		Rear power return switch LH		Continuity
Connector	Terminal	Connector	Terminal	
B64	13	B90	1	Yes

3. Check continuity between rear seatback power return control unit harness connector B64 terminal 13 and ground.

Rear seatback power return control unit		(-)	Continuity
Connector	Terminal		
B64	13	Ground	No

Is the inspection result normal?

- YES >> Replace rear seatback power return control unit. Refer to [SE-144. "Removal and Installation"](#).
NO >> Repair or replace harness.

4.CHECK REAR POWER RETURN SWITCH LH

Check rear power return switch LH.

Refer to [SE-142. "Front Power Return Switch"](#).

Is the inspection result normal?

- YES >> GO TO 5.
NO >> Replace rear power return switch LH.

5.CHECK INTERMITTENT INCIDENT

Refer to [GI-42. "Intermittent Incident"](#).

>> Inspection End.

REAR POWER RETURN SWITCH RH

REAR POWER RETURN SWITCH RH : Component Function Check

INFOID:0000000012876473

1.CHECK FUNCTION

Check the rear power return switch RH operation.

Is the inspection result normal?

- YES >> Inspection End.
NO >> Refer to [SE-90. "REAR POWER RETURN SWITCH RH : Diagnosis Procedure"](#).

REAR POWER RETURN SWITCH RH : Diagnosis Procedure

INFOID:0000000012876474

1.CHECK REAR POWER RETURN SWITCH RH GROUND CIRCUIT

1. Turn ignition switch OFF.
2. Disconnect rear power return switch RH connector B138.
3. Check continuity between rear power return switch RH harness connector B138 terminal 2 and ground.

Rear power return switch RH		(-)	Continuity
Connector	Terminal		
B138	2	Ground	Yes

Is the inspection result normal?

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

2.CHECK REAR POWER RETURN SWITCH RH RETURN SIGNAL

Check voltage between rear power return switch RH harness connector B138 terminal 1 and ground.

POWER RETURN SWITCH

< DTC/CIRCUIT DIAGNOSIS >

(+)		(-)	Voltage (Approx.)
Rear power return switch RH			
Connector	Terminal		
B138	1	Ground	4.7V – 5.3V

Is the inspection result normal?

YES >> GO TO 4.

NO >> GO TO 3.

3.CHECK REAR POWER RETURN SWITCH RH CIRCUIT

1. Disconnect rear seatback power return control unit connector B64 and rear power return switch RH connector B138.
2. Check continuity between rear seatback power return control unit harness connector B64 terminal 5 and rear power return switch RH harness connector B138 terminal 1.

Rear seatback power return control unit		Rear power return switch RH		Continuity
Connector	Terminal	Connector	Terminal	
B64	5	B138	1	Yes

3. Check continuity between rear seatback power return control unit harness connector B64 terminal 5 and ground.

Rear seatback power return control unit		(-)	Continuity
Connector	Terminal		
B64	5	Ground	No

Is the inspection result normal?

YES >> Replace rear seatback power return control unit. Refer to [SE-144, "Removal and Installation"](#).

NO >> Repair or replace harness.

4.CHECK REAR POWER RETURN SWITCH RH

Check rear power return switch RH.

Refer to [SE-91, "Component Inspection"](#).

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace rear power return switch RH.

5.CHECK INTERMITTENT INCIDENT

Refer to [GI-42, "Intermittent Incident"](#).

>> Inspection End.

Component Inspection

INFOID:000000012876475

1.CHECK POWER RETURN SWITCH

1. Turn ignition switch OFF.
2. Remove power return switch.
3. Check power return switch terminals 6 and 8 and 1 and 2 under the following conditions.

Front Power Return Switch

Terminal		Condition	Continuity	
6	8			
		Front power return switch	While being pressed	Yes
			Other than the above	No

POWER RETURN SWITCH

< DTC/CIRCUIT DIAGNOSIS >

Rear Power Return Switch

Terminal		Condition		Continuity
1	2	Rear power return switch	While being pressed	Yes
			Other than the above	No

Is the inspection result normal?

YES >> Inspection End.

NO >> Replace power return switch. Refer to [SE-142. "Front Power Return Switch"](#).

RETURN POSITION LIMIT SWITCH

< DTC/CIRCUIT DIAGNOSIS >

RETURN POSITION LIMIT SWITCH

RETURN POSITION LIMIT SWITCH LH

RETURN POSITION LIMIT SWITCH LH : Diagnosis Procedure

INFOID:0000000012876476

1. CHECK RETURN POSITION LIMIT SWITCH LH INPUT SIGNAL

1. Turn ignition switch OFF.
2. Disconnect return position limit switch LH connector B419.
3. Check voltage between return position limit switch LH harness connector B419 terminal 1 and ground.

(+)		(-)	Voltage (Approx.)
Return position limit switch LH			
Connector	Terminal		
B419	1	Ground	Battery voltage

NOTE:

It is not low power consumption mode.

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

2. CHECK RETURN POSITION LIMIT SWITCH LH CIRCUIT

1. Disconnect rear seatback power return control unit connector B64 and return position limit switch LH connector B419.
2. Check continuity between rear seatback power return control unit harness connector B64 terminal 12 and return position limit switch LH harness connector B419 terminal 1.

Rear seatback power return control unit		Return position limit switch LH		Continuity
Connector	Terminal	Connector	Terminal	
B64	12	B419	1	Yes

3. Check continuity between rear seatback power return control unit harness connector B64 terminal 12 and ground.

Rear seatback power return control unit		(-)	Continuity
Connector	Terminal		
B64	12	Ground	No

Is the inspection result normal?

YES >> Replace rear seatback power return control unit. Refer to [SE-144, "Removal and Installation"](#).

NO >> Repair or replace harness.

3. CHECK RETURN POSITION LIMIT SWITCH LH GROUND CIRCUIT

1. Disconnect rear seatback power return control unit connector B64 and primary position limit switch LH connector B419.
2. Check continuity between rear seatback power return control unit harness connector B64 terminal 10 and return position limit switch LH harness connector B419 terminal 2.

Rear seatback power return control unit		Return position limit switch LH		Continuity
Connector	Terminal	Connector	Terminal	
B64	10	B419	2	Yes

3. Check continuity between rear seatback power return control unit harness connector B64 terminal 10 and ground.

RETURN POSITION LIMIT SWITCH

< DTC/CIRCUIT DIAGNOSIS >

Rear seatback power return control unit		(-)	Continuity
Connector	Terminal		
B64	10	Ground	No

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

4.CHECK RETURN POSITION LIMIT SWITCH LH

Check return position limit switch LH.

Refer to [SE-95, "Component Inspection"](#).

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace return position limit switch LH. Refer to [SE-132, "Exploded View"](#).

5.CHECK INTERMITTENT INCIDENT

Refer to [GI-42, "Intermittent Incident"](#).

>> Inspection End.

RETURN POSITION LIMIT SWITCH RH

RETURN POSITION LIMIT SWITCH RH : Diagnosis Procedure

INFOID:0000000012876477

1.CHECK RETURN POSITION LIMIT SWITCH RH INPUT SIGNAL

1. Turn ignition switch OFF.
2. Disconnect return position limit switch RH connector B421.
3. Check voltage between return position limit switch RH harness connector B421 terminal 1 and ground.

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

NOTE:

It is not low power consumption mode.

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

2.CHECK RETURN POSITION LIMIT SWITCH RH CIRCUIT

1. Disconnect rear seatback power return control unit connector B64 and return position limit switch RH connector B421.
2. Check continuity between rear seatback power return control unit harness connector B64 terminal 11 and return position limit switch RH harness connector B421 terminal 1.

Rear seatback power return control unit		Return position limit switch RH		Continuity
Connector	Terminal	Connector	Terminal	
B64	11	B421	1	Yes

3. Check continuity between rear seatback power return control unit harness connector B64 terminal 11 and ground.

Rear seatback power return control unit		(-)	Continuity
Connector	Terminal		
B64	11	Ground	No

RETURN POSITION LIMIT SWITCH

< DTC/CIRCUIT DIAGNOSIS >

Is the inspection result normal?

- YES >> Replace rear seatback power return control unit. Refer to [SE-144, "Removal and Installation"](#).
 NO >> Repair or replace harness.

3. CHECK RETURN POSITION LIMIT SWITCH RH GROUND CIRCUIT

1. Disconnect rear seatback power return control unit connector B64 and primary position limit switch RH connector B421.
2. Check continuity between rear seatback power return control unit harness connector B64 terminal 2 and return position limit switch RH harness connector B421 terminal 2.

Rear seatback power return control unit		Return position limit switch RH		Continuity
Connector	Terminal	Connector	Terminal	
B64	2	B421	2	Yes

3. Check continuity between rear seatback power return control unit harness connector B64 terminal 2 and ground.

Rear seatback power return control unit		(-)	Continuity
Connector	Terminal		
B64	2	Ground	No

Is the inspection result normal?

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

4. CHECK RETURN POSITION LIMIT SWITCH RH

Check return position limit switch RH.
 Refer to [SE-95, "Component Inspection"](#).

Is the inspection result normal?

- YES >> GO TO 5.
 NO >> Replace return position limit switch RH. Refer to [SE-132, "Exploded View"](#).

5. CHECK INTERMITTENT INCIDENT

Refer to [GI-42, "Intermittent Incident"](#).

>> Inspection End.

Component Inspection

INFOID:0000000012876478

COMPONENT INSPECTION

1. CHECK RETURN POSITION LIMIT SWITCH

1. Turn ignition switch OFF.
2. Disconnect return position limit switch connectors B419 and B421.
3. Check return position limit switch terminals under the following conditions.

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

Is the inspection result normal?

- YES >> Inspection End.
 NO >> Replace return position limit switch. Refer to [SE-132, "Exploded View"](#).

PRIMARY POSITION LIMIT SWITCH

< DTC/CIRCUIT DIAGNOSIS >

PRIMARY POSITION LIMIT SWITCH

PRIMARY POSITION LIMIT SWITCH LH

PRIMARY POSITION LIMIT SWITCH LH : Diagnosis Procedure

INFOID:000000012876479

1. CHECK SECTOR GEAR POSITION LIMIT SWITCH INPUT SIGNAL

1. Turn ignition switch OFF.
2. Disconnect primary position limit switch LH connector B418.
3. Check voltage between primary position limit switch LH connector B418 terminal 1 and ground.

(+)		(-)	Voltage (Approx.)
Connector	Terminal		
B418	1	Ground	Battery voltage

NOTE:

It is not low electric power consumption mode.

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

2. CHECK PRIMARY POSITION LIMIT SWITCH LH SIGNAL CIRCUIT

1. Disconnect rear seatback power return control unit connector B64 and primary position limit switch LH connector B418.
2. Check continuity between rear seatback power return control unit harness connector B64 terminal 4 and primary position limit switch LH harness connector B418 terminal 1.

Rear seatback power return control unit		Primary position limit switch LH		Continuity
Connector	Terminal	Connector	Terminal	
B64	4	B418	1	Yes

3. Check continuity between rear seatback power return control unit harness connector B64 terminal 4 and ground.

Rear seatback power return control unit		(-)	Continuity
Connector	Terminal		
B64	4	Ground	No

Is the inspection result normal?

YES >> Replace rear seatback power return control unit. Refer to [SE-144. "Removal and Installation"](#).

NO >> Repair or replace harness.

3. CHECK PRIMARY POSITION LIMIT SWITCH LH GROUND CIRCUIT

1. Disconnect rear seatback power return control unit connector B64 and return position limit switch LH connector B418.
2. Check continuity between rear seatback power return control unit harness connector B64 terminal 10 and primary position limit switch LH harness connector B418 terminal 2.

Rear seatback power return control unit		Primary position limit switch LH		Continuity
Connector	Terminal	Connector	Terminal	
B64	10	B418	2	Yes

3. Check continuity between rear seatback power return control unit harness connector B64 terminal 10 and ground.

PRIMARY POSITION LIMIT SWITCH

< DTC/CIRCUIT DIAGNOSIS >

Rear seatback power return control unit		(-)	Continuity
Connector	Terminal		
B64	10	Ground	No

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

4.CHECK PRIMARY POSITION LIMIT SWITCH LH

Check primary position limit switch LH.

Refer to [SE-98. "Component Inspection"](#).

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace primary position limit switch LH. Refer to [SE-132. "Exploded View"](#).

5.CHECK INTERMITTENT INCIDENT

Refer to [GI-42. "Intermittent Incident"](#).

>> Inspection End.

PRIMARY POSITION LIMIT SWITCH RH

PRIMARY POSITION LIMIT SWITCH RH : Diagnosis Procedure

INFOID:0000000012876480

1.CHECK PRIMARY POSITION LIMIT SWITCH RH INPUT SIGNAL

1. Turn ignition switch OFF.
2. Disconnect primary position limit switch RH connector B420.
3. Check voltage between primary position limit switch RH connector and ground B420 terminal 1.

Primary position limit switch RH		(-)	Voltage (Approx.)
Connector	Terminal		
B420	1	Ground	Battery voltage

NOTE:

It is not low electric power consumption mode.

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

2.CHECK PRIMARY POSITION LIMIT SWITCH RH SIGNAL CIRCUIT

1. Disconnect rear seatback power return control unit connector B64 and primary position limit switch RH connector B420.
2. Check continuity between rear seatback power return control unit harness connector B64 terminal 11 and primary position limit switch RH harness connector B420 terminal 1.

Rear seatback power return control unit		Primary position limit switch RH		Continuity
Connector	Terminal	Connector	Terminal	
B64	11	B420	1	Yes

3. Check continuity between rear seatback power return control unit harness connector B64 terminal 11 and ground.

Rear seatback power return control unit		(-)	Continuity
Connector	Terminal		
B64	11	Ground	No

PRIMARY POSITION LIMIT SWITCH

< DTC/CIRCUIT DIAGNOSIS >

Is the inspection result normal?

- YES >> Replace rear seatback power return control unit. Refer to [SE-144, "Removal and Installation"](#).
 NO >> Repair or replace harness.

3. CHECK PRIMARY POSITION LIMIT SWITCH RH GROUND CIRCUIT

- Disconnect rear seatback power return control unit connector B64 and return position limit switch RH connector B420.
- Check continuity between rear seatback power return control unit harness connector B64 terminal 2 and primary position limit switch RH harness connector B420 terminal 2.

Rear seatback power return control unit		Primary position limit switch RH		Continuity
Connector	Terminal	Connector	Terminal	
B64	2	B420	2	Yes

- Check continuity between rear seatback power return control unit harness connector B64 terminal 2 and ground.

Rear seatback power return control unit		(-)	Continuity
Connector	Terminal		
B64	2	Ground	No

Is the inspection result normal?

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

4. CHECK PRIMARY POSITION LIMIT SWITCH RH

Check primary position limit switch RH.
 Refer to [SE-98, "Component Inspection"](#).

Is the inspection result normal?

- YES >> GO TO 5.
 NO >> Replace primary position limit switch RH. Refer to [SE-132, "Exploded View"](#).

5. CHECK INTERMITTENT INCIDENT

Refer to [GI-42, "Intermittent Incident"](#).

>> Inspection End.

Component Inspection

INFOID:000000012876481

COMPONENT INSPECTION

1. CHECK PRIMARY POSITION LIMIT SWITCH

- Turn ignition switch OFF.
- Disconnect primary position limit switch connector connectors B418 and B420.
- Check primary position limit switch terminals under the following conditions.

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

Is the inspection result normal?

- YES >> Inspection End.
 NO >> Replace primary position limit switch. Refer to [SE-132, "Exploded View"](#).

POWER RETURN MOTOR

< DTC/CIRCUIT DIAGNOSIS >

POWER RETURN MOTOR

LH

LH : Diagnosis Procedure

INFOID:0000000012876482

1.CHECK POWER RETURN MOTOR LH INPUT SIGNAL

1. Turn ignition switch OFF.
2. Check voltage between power return motor assembly LH harness connector B415 terminals 1 and 2 and ground.

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

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

2.CHECK POWER RETURN MOTOR LH CIRCUIT

1. Disconnect rear seatback power return control unit connector B89 and power return motor assembly LH connector B415.
2. Check continuity between rear seatback power return control unit harness connector B89 terminals 19 and 20 and power return motor assembly LH harness connector B415 terminals 1 and 2.

Rear seatback power return control unit		Power return motor assembly LH		Continuity
Connector	Terminal	Connector	Terminal	
B89	19	B415	1	Yes
	20		2	

3. Check continuity between rear seatback power return control unit harness connector B89 terminals 19 and 20 and ground.

Rear seatback power return control unit		(-)	Continuity
Connector	Terminal		
B89	19	Ground	No
	20		

Is the inspection result normal?

YES >> Replace rear seatback power return control unit. Refer to [SE-144, "Removal and Installation"](#).

NO >> Repair or replace harness.

3.CHECK INTERMITTENT INCIDENT

Check intermittent incident. Refer to [GI-42, "Intermittent Incident"](#).

Is the inspection result normal?

YES >> Replace power return motor assembly LH. Refer to [SE-132, "Exploded View"](#).

NO >> Repair or replace harness.

RH

RH : Diagnosis Procedure

INFOID:0000000012876483

1.CHECK POWER RETURN MOTOR RH INPUT SIGNAL

POWER RETURN MOTOR

< DTC/CIRCUIT DIAGNOSIS >

1. Turn ignition switch OFF.
2. Check voltage between power return motor assembly RH harness connector B417 terminals 1 and 2 and ground.

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

Is the inspection result normal?

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

2. CHECK POWER RETURN MOTOR RH CIRCUIT

1. Disconnect rear seatback power return control unit connector B89 and power return motor assembly RH connector B417.
2. Check continuity between rear seatback power return control unit harness connector B89 terminals 17 and 18 and power return motor assembly RH harness connector B417 terminals 1 and 2.

Rear seatback power return control unit		Power return motor assembly RH		Continuity
Connector	Terminal	Connector	Terminal	
B89	17	B417	1	Yes
	18		2	

3. Check continuity between rear seatback power return control unit harness connector B89 terminals 17 and 18 and ground.

Rear seatback power return control unit		(-)	Continuity
Connector	Terminal		
B89	17	Ground	No
	18		

Is the inspection result normal?

- YES >> Replace rear seatback power return control unit. Refer to [SE-144, "Removal and Installation"](#).
 NO >> Repair or replace harness.

3. CHECK INTERMITTENT INCIDENT

Check intermittent incident. Refer to [GI-42, "Intermittent Incident"](#).

Is the inspection result normal?

- YES >> Replace power return motor assembly RH. Refer to [SE-132, "Exploded View"](#).
 NO >> Repair or replace harness.

MOTOR SENSOR

< DTC/CIRCUIT DIAGNOSIS >

MOTOR SENSOR

LH

LH : Diagnosis Procedure

INFOID:000000012876484

1. CHECK MOTOR SENSOR LH POWER SUPPLY

1. Turn ignition switch OFF.
2. Disconnect power return motor assembly LH connector B415.
3. Check voltage between power return motor assembly LH harness connector B415 terminal 6 and ground.

(+)		(-)	Condition	Voltage (Approx.)
Power return motor assembly LH				
Connector	Terminal			
B415	6	Ground	When power return motor LH is operated	Battery voltage

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

2. CHECK MOTOR SENSOR LH POWER SUPPLY CIRCUIT

1. Disconnect rear seatback power return control unit connector B89 and power return motor assembly LH connector B415.
2. Check continuity between rear seatback power return control unit harness connector B89 terminal 30 and power return motor assembly LH harness connector B415 terminal 6.

Rear seatback power return control unit		Power return motor assembly LH		Continuity
Connector	Terminal	Connector	Terminal	
B89	30	B415	6	Yes

3. Check continuity between rear seatback power return control unit harness connector B89 terminal 30 and ground.

Rear seatback power return control unit		(-)	Continuity
Connector	Terminal		
B89	30	Ground	No

Is the inspection result normal?

YES >> Replace rear seatback power return control unit. Refer to [SE-144, "Removal and Installation"](#).

NO >> Repair or replace harness.

3. CHECK MOTOR SENSOR LH GROUND CIRCUIT

1. Check continuity between rear seatback power return control unit harness connector B89 terminal 32 and power return motor assembly LH harness connector B415 terminal 5.

Rear seatback power return control unit		Power return motor assembly LH		Continuity
Connector	Terminal	Connector	Terminal	
B89	32	B415	5	Yes

2. Check continuity between rear seatback power return control unit harness connector B89 terminal 32 and ground.

Rear seatback power return control unit		(-)	Continuity
Connector	Terminal		
B89	32	Ground	No

Is the inspection result normal?

YES >> GO TO 4.

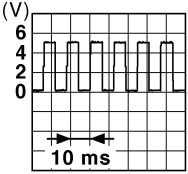
MOTOR SENSOR

< DTC/CIRCUIT DIAGNOSIS >

NO >> Repair or replace harness.

4.CHECK MOTOR SENSOR LH OUTPUT SIGNAL

1. Connect rear seatback power return control unit connector B89.
2. Check signal between rear seatback power return control unit harness connector B89 terminal 31 and ground with an oscilloscope.

(+)		(-)	Condition	Signal (Reference value)
Connector	Terminal			
B89	31	Ground	During the power return motor LH operation	 <p style="text-align: right; font-size: small;">JMKIA0070GB</p>
			When pinching of seatback occurs	The above pulse width should be expanded

Is the inspection result normal?

YES >> GO TO 6.

NO >> GO TO 5.

5.CHECK MOTOR SENSOR LH SIGNAL CIRCUIT

1. Disconnect power return motor assembly LH connector B415 and rear seatback power return control unit connector B89.
2. Check continuity between power return motor assembly LH harness connector B415 terminal 4 and rear seatback power return control unit harness connector B89 terminal 31.

Rear seatback power return control unit		Power return motor assembly LH		Continuity
Connector	Terminal	Connector	Terminal	
B89	31	B415	4	Yes

3. Check continuity between rear seatback power return control unit harness connector B89 terminal 31 and ground.

Rear seatback power return control unit		(-)	Continuity
Connector	Terminal		
B89	31	Ground	No

Is the inspection result normal?

YES >> Replace power return motor assembly LH. Refer to [SE-132. "Exploded View"](#).

NO >> Repair or replace harness.

6.CHECK INTERMITTENT INCIDENT

Refer to [GI-42. "Intermittent Incident"](#).

>> Inspection End.

RH

RH : Diagnosis Procedure

INFOID:000000012876485

1.CHECK MOTOR SENSOR RH POWER SUPPLY

1. Turn ignition switch OFF.
2. Disconnect power return motor assembly RH connector B417.
3. Check voltage between power return motor assembly RH harness connector B417 terminal 6 and ground.

MOTOR SENSOR

< DTC/CIRCUIT DIAGNOSIS >

(+)		(-)	Condition	Voltage (Approx.)
Power return motor assembly RH				
Connector	Terminal			
B417	6	Ground	When power return motor RH is operated	Battery voltage

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

2. CHECK MOTOR SENSOR RH POWER SUPPLY CIRCUIT

1. Disconnect rear seatback power return control unit connector B89 and power return motor assembly RH connector B417.
2. Check continuity between rear seatback power return control unit harness connector B89 terminal 22 and power return motor assembly RH harness connector B417 terminal 6.

Rear seatback power return control unit		Power return motor assembly RH		Continuity
Connector	Terminal	Connector	Terminal	
B89	22	B417	6	Yes

3. Check continuity between rear seatback power return control unit harness connector B89 terminal 22 and ground.

Rear seatback power return control unit		(-)	Continuity
Connector	Terminal		
B89	22	Ground	No

Is the inspection result normal?

YES >> Replace rear seatback power return control unit. Refer to [SE-144. "Removal and Installation"](#).

NO >> Repair or replace harness.

3. CHECK MOTOR SENSOR RH GROUND CIRCUIT

1. Check continuity between rear seatback power return control unit harness connector B89 terminal 24 and power return motor assembly RH harness connector B417 terminal 5.

Rear seatback power return control unit		Power return motor assembly RH		Continuity
Connector	Terminal	Connector	Terminal	
B89	24	B417	5	Yes

2. Check continuity between rear seatback power return control unit harness connector B89 terminal 24 and ground.

Rear seatback power return control unit		(-)	Continuity
Connector	Terminal		
B89	24	Ground	No

Is the inspection result normal?

YES >> GO TO 4.

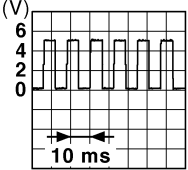
NO >> Repair or replace harness.

4. CHECK MOTOR SENSOR RH OUTPUT SIGNAL

1. Connect rear seatback power return control unit connector B89.
2. Check signal between rear seatback power return control unit harness connector B89 terminal 23 and ground with an oscilloscope.

MOTOR SENSOR

< DTC/CIRCUIT DIAGNOSIS >

(+)		(-)	Condition	Signal (Reference value)
Rear seatback power return control unit				
Connector	Terminal			
B89	23	Ground	During the power return motor RH operation	 <p style="text-align: right; font-size: small;">JMKIA0070GB</p>
			When pinching seatback occurs	

Is the inspection result normal?

YES >> GO TO 6.

NO >> GO TO 5.

5. CHECK MOTOR SENSOR RH SIGNAL CIRCUIT

1. Disconnect power return motor assembly RH connector B417 and rear seatback power return control unit connector B89.
2. Check continuity between power return motor assembly RH harness connector B417 terminal 4 and rear seatback power return control unit harness connector B89 terminal 23.

Rear seatback power return control unit		Power return motor assembly RH		Continuity
Connector	Terminal	Connector	Terminal	
B89	23	B417	4	Yes

3. Check continuity between rear seatback power return control unit harness connector B89 terminal 23 and ground.

Rear seatback power return control unit		(-)	Continuity
Connector	Terminal		
B89	23	Ground	No

Is the inspection result normal?

YES >> Replace power return motor assembly RH. Refer to [SE-132. "Exploded View"](#).

NO >> Repair or replace harness.

6. CHECK INTERMITTENT INCIDENT

Refer to [GI-42. "Intermittent Incident"](#).

>> Inspection End.

CLIMATE CONTROLLED SEAT SYSTEM

< SYMPTOM DIAGNOSIS >

SYMPTOM DIAGNOSIS

CLIMATE CONTROLLED SEAT SYSTEM

Symptom Table

INFOID:0000000012876486

Symptom		Inspection item
Climate controlled seat inoperative.		Power supply and ground circuit Refer to SE-66, "CLIMATE CONTROLLED SEAT CONTROL UNIT : Diagnosis Procedure" .
Climate controlled seat blower motor inoperative.		Climate controlled seat blower motor Refer to SE-82, "Diagnosis Procedure" .
Seat cushion thermal electric device inoperative.		Seat cushion thermal electric device Refer to SE-78, "Diagnosis Procedure" .
Seatback thermal electric device inoperative.		Seatback thermal electric device Refer to SE-74, "Diagnosis Procedure" .
Climate controlled seat switch LO, MED or HI inoperative.		Climate controlled seat switch Refer to SE-71, "Diagnosis Procedure" .
Climate controlled seat switch indicator inoperative.		Climate controlled seat switch indicator Refer to SE-85, "Diagnosis Procedure" .
Climate controlled seat turns off too soon.	Climate controlled seat switch indicator turns off within 10 seconds of turning on.	Malfunction caused by electrical issue. Check the following: <ul style="list-style-type: none"> • Connectors for physical damage or loose terminals. • Seat cushion thermal electric device. Refer to SE-78, "Diagnosis Procedure". • Seatback thermal electric device. Refer to SE-74, "Diagnosis Procedure". • Climate controlled seat blower motor. Refer to SE-82, "Diagnosis Procedure".
	Climate controlled seat switch indicator turns off 30 seconds or more after turning on.	Malfunction caused by mechanical issue. Check the following: <ul style="list-style-type: none"> • Foam seat pads not aligned for thermal electric device outlet. • Thermal electric device ducting restricted or disconnected. • Climate controlled seat blower motor inlet restricted.

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

SE

THIRD ROW SEATBACK POWER RETURN SYSTEM

< SYMPTOM DIAGNOSIS >

THIRD ROW SEATBACK POWER RETURN SYSTEM

Symptom Table

INFOID:000000012876487

Symptom		Inspection item
Seatback power return system does not operate.	Both sides.	Power supply and ground circuit Refer to SE-69, "REAR SEATBACK POWER RETURN CONTROL UNIT : Diagnosis Procedure" .
	One side.	<ul style="list-style-type: none"> • Rear seatback switch. Refer to SE-89, "REAR POWER RETURN SWITCH LH : Diagnosis Procedure" (driver side) or SE-90, "REAR POWER RETURN SWITCH RH : Diagnosis Procedure" (passenger side). • Power return motor. Refer to SE-99, "LH : Diagnosis Procedure" (LH) or SE-99, "RH : Diagnosis Procedure" (RH). • Seatback angle limit switch. Refer to SE-93, "RETURN POSITION LIMIT SWITCH LH : Diagnosis Procedure" (driver side) or SE-94, "RETURN POSITION LIMIT SWITCH RH : Diagnosis Procedure" (passenger side).
Seatback does not return but malfunction detection buzzer sounds.		<ul style="list-style-type: none"> • Sector gear position limit switch. Refer to SE-96, "PRIMARY POSITION LIMIT SWITCH LH : Diagnosis Procedure" (driver side) or SE-97, "PRIMARY POSITION LIMIT SWITCH RH : Diagnosis Procedure" (passenger side). • Motor sensor. Refer to SE-101, "LH : Diagnosis Procedure" (LH) or SE-102, "RH : Diagnosis Procedure" (RH).
Malfunction detection buzzer sounds during power return motor inverse rotation.		<ul style="list-style-type: none"> • Seatback angle limit switch. Refer to SE-93, "RETURN POSITION LIMIT SWITCH LH : Diagnosis Procedure" (driver side) or SE-94, "RETURN POSITION LIMIT SWITCH RH : Diagnosis Procedure" (passenger side). • Sector gear position limit switch. Refer to SE-96, "PRIMARY POSITION LIMIT SWITCH LH : Diagnosis Procedure" (driver side) or SE-97, "PRIMARY POSITION LIMIT SWITCH RH : Diagnosis Procedure" (passenger side). • Power return motor. Refer to SE-99, "LH : Diagnosis Procedure" (LH) or SE-99, "RH : Diagnosis Procedure" (RH).

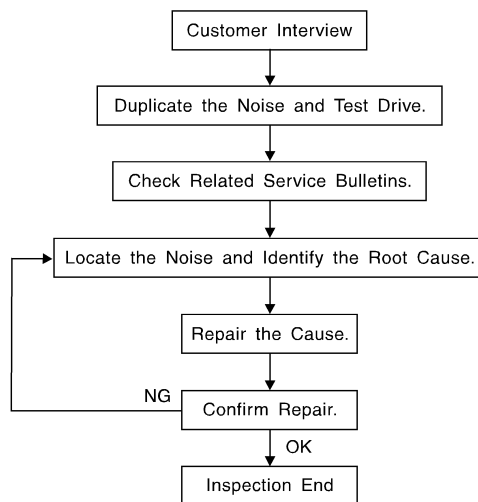
SQUEAK AND RATTLE TROUBLE DIAGNOSES

< SYMPTOM DIAGNOSIS >

SQUEAK AND RATTLE TROUBLE DIAGNOSES

Work Flow

INFOID:000000012876488



SBT842

CUSTOMER INTERVIEW

Interview the customer if possible, to determine the conditions that exist when the noise occurs. Use the Diagnostic Worksheet during the interview to document the facts and conditions when the noise occurs and any customer's comments; refer to [SE-111, "Diagnostic Worksheet"](#). This information is necessary to duplicate the conditions that exist when the noise occurs.

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

DUPLICATE THE NOISE AND TEST DRIVE

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

SQUEAK AND RATTLE TROUBLE DIAGNOSES

< SYMPTOM DIAGNOSIS >

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

- 1) Close a door.
 - 2) Tap or push/pull around the area where the noise appears to be coming from.
 - 3) Rev the engine.
 - 4) Use a floor jack to recreate vehicle "twist".
 - 5) At idle, apply engine load (electrical load, half-clutch on M/T model, drive position on CVT and A/T models).
 - 6) Raise the vehicle on a hoist and hit a tire with a rubber hammer.
- Drive the vehicle and attempt to duplicate the conditions the customer states exist when the noise occurs.
 - If it is difficult to duplicate the noise, drive the vehicle slowly on an undulating or rough road to stress the vehicle body.

CHECK RELATED SERVICE BULLETINS

After verifying the customer concern or symptom, check ASIST for Technical Service Bulletins (TSBs) related to that concern or symptom.

If a TSB relates to the symptom, follow the procedure to repair the noise.

LOCATE THE NOISE AND IDENTIFY THE ROOT CAUSE

1. Narrow down the noise to a general area. To help pinpoint the source of the noise, use a listening tool (Chassis Ear: J-39570, Engine Ear: J-39565 and mechanic's stethoscope).
2. Narrow down the noise to a more specific area and identify the cause of the noise by:
 - removing the components in the area that you suspect the noise is coming from.
Do not use too much force when removing clips and fasteners, otherwise clips and fasteners can be broken or lost during the repair, resulting in the creation of new noise.
 - tapping or pushing/pulling the component that you suspect is causing the noise.
Do not tap or push/pull the component with excessive force, otherwise the noise will be eliminated only temporarily.
 - feeling for a vibration with your hand by touching the component(s) that you suspect is (are) causing the noise.
 - placing a piece of paper between components that you suspect are causing the noise.
 - looking for loose components and contact marks.Refer to [SE-108, "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:000000012876489

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

INSTRUMENT PANEL

Most incidents are caused by contact and movement between:

SQUEAK AND RATTLE TROUBLE DIAGNOSES

< SYMPTOM DIAGNOSIS >

1. Cluster lid A and the instrument panel
2. Acrylic lens and combination meter housing
3. Instrument panel to front pillar finisher
4. Instrument panel to windshield
5. Instrument panel pins
6. Wiring harnesses behind the combination meter
7. A/C defroster duct and duct joint

These incidents can usually be located by tapping or moving the components to duplicate the noise or by pressing on the components while driving to stop the noise. Most of these incidents can be repaired by applying felt cloth tape or silicone spray (in hard to reach areas). Urethane pads can be used to insulate wiring harness.

CAUTION:

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

CENTER CONSOLE

Components to pay attention to include:

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

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

DOORS

Pay attention to the:

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

Tapping or moving the components or pressing on them while driving to duplicate the conditions can isolate many of these incidents. You can usually insulate the areas with felt cloth tape or insulator foam blocks from the 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.

A

B

C

D

E

F

G

H

I

SE

K

L

M

N

O

P

SQUEAK AND RATTLE TROUBLE DIAGNOSES

< SYMPTOM DIAGNOSIS >

3. Loose screws at console attachment points.

SEATS

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

Cause of seat noise include:

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

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

UNDERHOOD

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

Causes of transmitted underhood noise include:

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

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

SQUEAK AND RATTLE TROUBLE DIAGNOSES

< SYMPTOM DIAGNOSIS >

Diagnostic Worksheet

INFOID:000000012876490

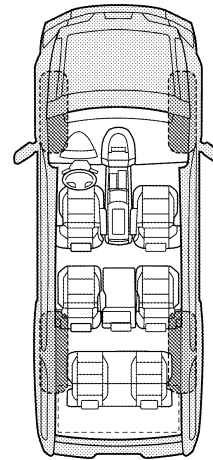
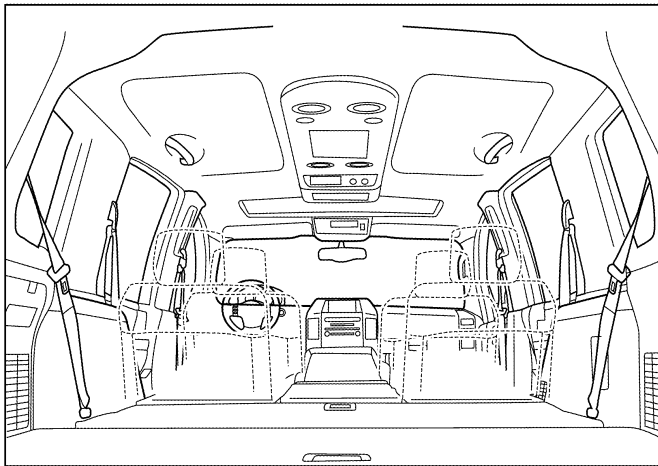
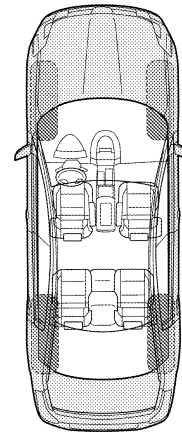
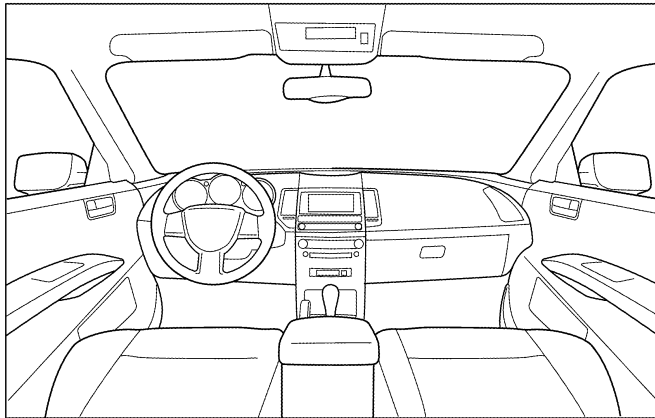
Dear Customer:

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.

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

SQUEAK AND RATTLE TROUBLE DIAGNOSES

< SYMPTOM DIAGNOSIS >

SQUEAK & RATTLE DIAGNOSTIC WORKSHEET - page 2

Briefly describe the location where the noise occurs:

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

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

III. WHEN DRIVING:

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

IV. WHAT TYPE OF NOISE

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

TO BE COMPLETED BY DEALERSHIP PERSONNEL

Test Drive Notes:

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

VIN: _____ Customer Name _____

W.O.# _____ Date: _____

This form must be attached to Work Order

LAI0071E

FRONT SEAT

< REMOVAL AND INSTALLATION >

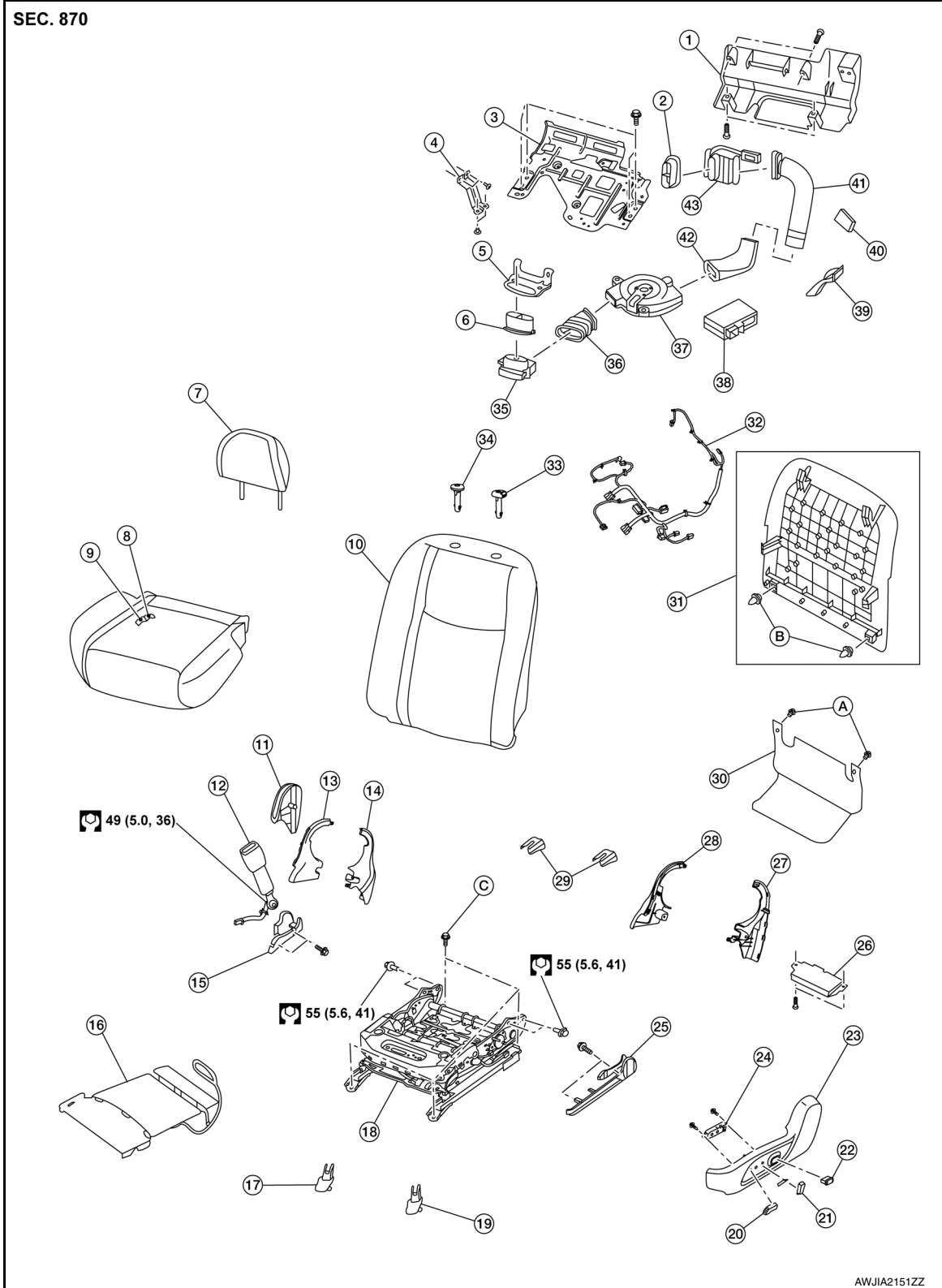
REMOVAL AND INSTALLATION

FRONT SEAT

Exploded View

INFOID:000000012876491

DRIVER SEAT WITH CLIMATE CONTROL



FRONT SEAT

< REMOVAL AND INSTALLATION >

- | | | |
|--|---|---|
| 1. Lower rear cover | 2. Thermal electric device nozzle | 3. Blower motor bracket |
| 4. Thermal electric device harness bracket | 5. Thermal electric device bracket | 6. Thermal electric device nozzle |
| 7. Headrest | 8. Seat cushion trim | 9. Seat cushion pad |
| 10. Seatback assembly | 11. Seat cushion outer finisher (RH) | 12. Seat belt buckle |
| 13. Seat cushion inner finisher [RH (front)] | 14. Seat cushion inner finisher [RH (rear)] | 15. Slide finisher outer (RH) |
| 16. Front seat heater | 17. Front slide finisher (RH) | 18. Seat frame assembly |
| 19. Front slide finisher (LH) | 20. Seat slide knob | 21. Seat recline knob |
| 22. Lumbar support switch | 23. Seat cushion outer finisher (LH) | 24. Power seat switch |
| 25. Slide finisher outer (LH) | 26. Driver seat control unit | 27. Seat cushion inner finisher [LH (rear)] |
| 28. Seat cushion inner finisher [LH (front)] | 29. Rear slide finisher | 30. Rear hinge cover |
| 31. Seatback board | 32. Seat harness | 33. Headrest holder (locked) |
| 34. Headrest holder (free) | 35. Seat cushion thermal electric device | 36. Lower blower duct |
| 37. Blower motor with filter | 38. Climate controlled seat control unit | 39. Thermal electric device clip |
| 40. Upper blower duct clip | 41. Upper blower duct | 42. Angle duct |
| 43. Seatback thermal electric device | A. Rear hinge cover clips | B. Seatback board clips |
| C. Refer to INSTALLATION | | |

FRONT SEAT

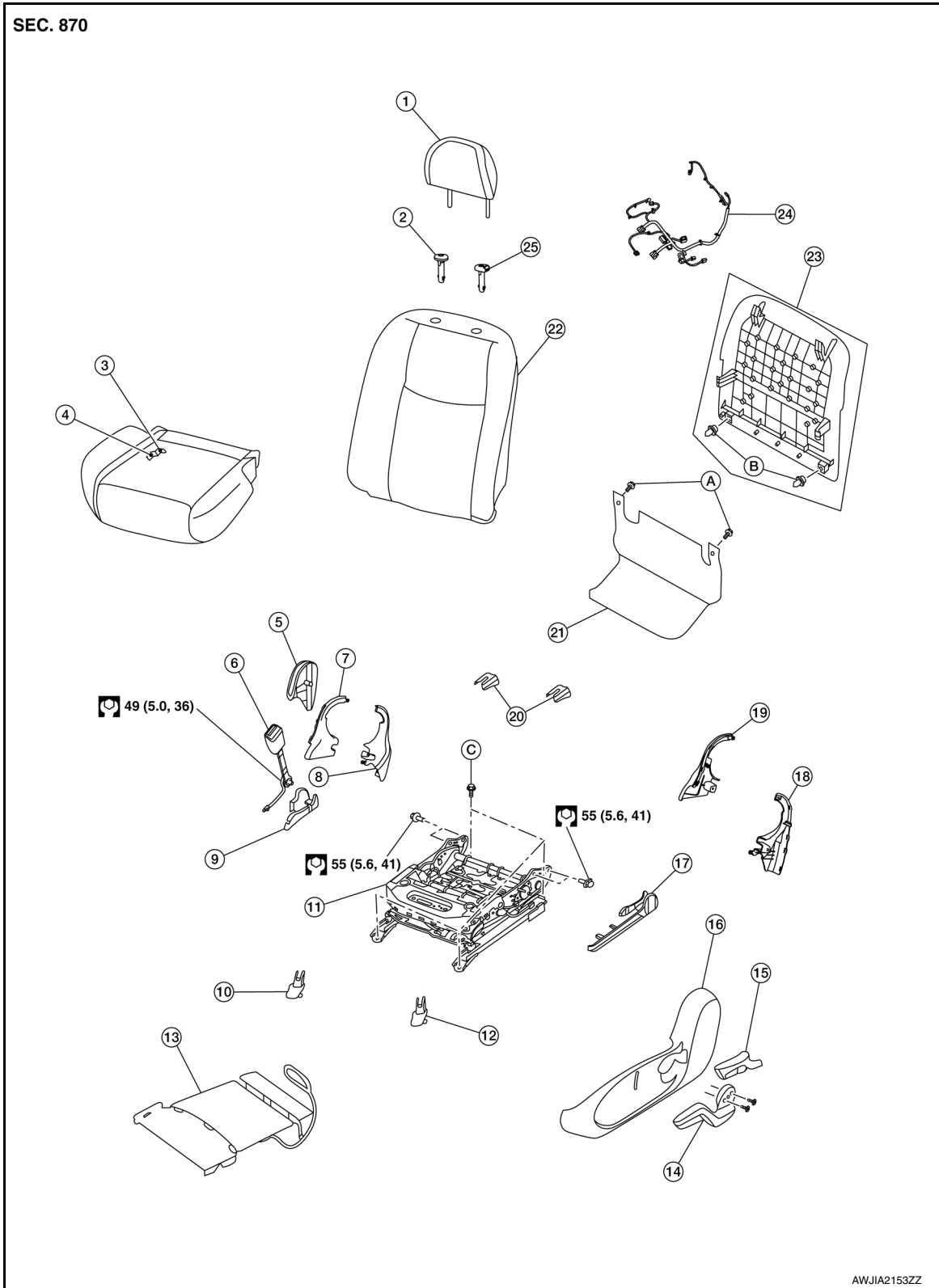
< REMOVAL AND INSTALLATION >

- | | | |
|--|--------------------------------------|---|
| 16. Lumbar support switch | 17. Seat cushion outer finisher (LH) | 18. Power seat switch |
| 19. Slide finisher outer (LH) | 20. Driver seat control unit | 21. Seat cushion inner finisher [LH (rear)] |
| 22. Seat cushion inner finisher [LH (front)] | 23. Rear slide finisher | 24. Rear hinge cover |
| 25. Seatback board | 26. Seat harness | 27. Headrest holder (locked) |
| 28. Headrest holder (free) | A. Rear hinge cover clips | B. Seatback board clips |
| C. Refer to INSTALLATION | | |

FRONT SEAT

< REMOVAL AND INSTALLATION >

DRIVER SEAT - MANUAL



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

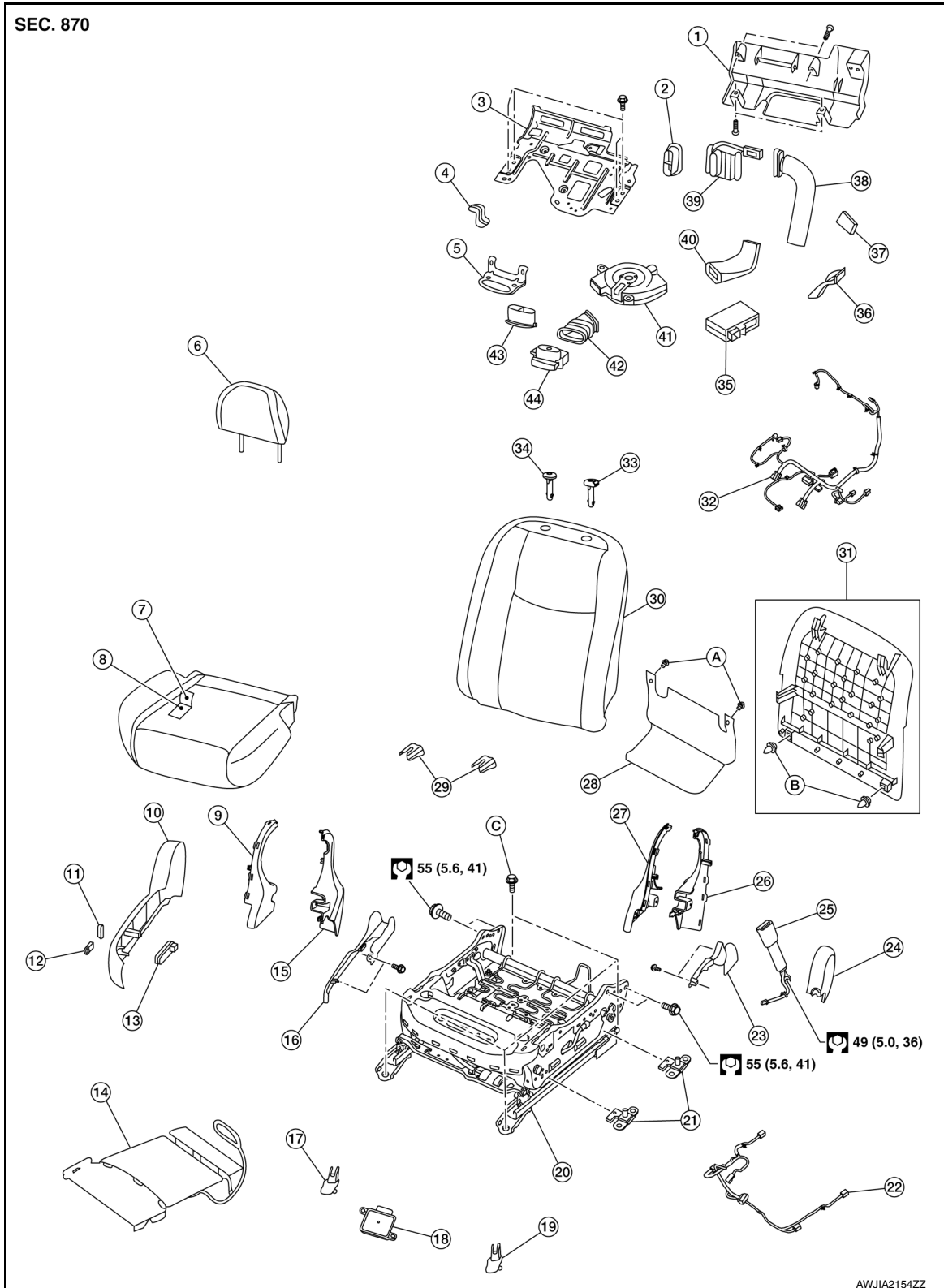
A
B
C
D
E
F
G
H
I
SE
K
L
M
N
O
P

FRONT SEAT

< REMOVAL AND INSTALLATION >

- | | | |
|--|-------------------------------|---|
| 16. Seat cushion outer finisher (LH) | 17. Slide finisher outer (LH) | 18. Seat cushion inner finisher [LH (rear)] |
| 19. Seat cushion inner finisher [LH (front)] | 20. Rear slide finisher | 21. Rear hinge cover |
| 22. Seatback assembly | 23. Seatback board | 24. Seat harness |
| 25. Headrest holder (locked) | A. Rear hinge cover clips | B. Seatback board clips |
| C. Refer to INSTALLATION | | |

PASSENGER SEAT WITH CLIMATE CONTROL



FRONT SEAT

< REMOVAL AND INSTALLATION >

1. Lower rear cover	2. Thermal electric device nozzle	3. Thermal electric device bracket	A
4. Thermal electric device harness bracket	5. Blower motor bracket	6. Headrest	
7. Seat cushion trim	8. Seat cushion pad	9. Seat cushion inner finisher [RH (front)]	B
10. Seat cushion outer finisher (RH)	11. Seat recline knob	12. Seat slide knob	
13. Power seat switch	14. Front seat heater	15. Seat cushion inner finisher [RH (rear)]	C
16. Slide finisher outer (RH)	17. Front slide finisher (RH)	18. Occupant Classification System control unit	
19. Front slide finisher (LH)	20. Seat frame assembly	21. Occupant Classification System sensor	D
22. Occupant Classification System harness	23. Slide finisher outer (LH)	24. Seat cushion outer finisher (LH)	E
25. Seat belt buckle	26. Seat cushion inner finisher [LH (rear)]	27. Seat cushion inner finisher [LH (front)]	
28. Seat hinge cover	29. Rear slide finisher	30. Seatback assembly	F
31. Seatback board	32. Seat harness	33. Headrest holder (locked)	
34. Headrest holder (free)	35. Climate controlled seat control unit	36. Thermal electric device clip	
37. Upper blower duct clip	38. Upper blower duct	39. Seatback thermal electric device	G
40. Angle duct	41. Blower motor with filter	42. Lower blower duct	
43. Thermal electric device nozzle	44. Seat cushion thermal electric device	A. Rear hinge cover clips	H
B. Seatback board clips	C. Refer to INSTALLATION		

SE

K

L

M

N

O

P

FRONT SEAT

< REMOVAL AND INSTALLATION >

- | | | | |
|---|---|--|---|
| 13. Front slide finisher (RH) | 14. Occupant Classification System control unit | 15. Front slide finisher (LH) | A |
| 16. Seat frame assembly | 17. Occupant Classification System sensor | 18. Occupant Classification System harness | B |
| 19. Slide finisher outer (LH) | 20. Seat cushion outer finisher (LH) | 21. Seat belt buckle | B |
| 22. Seat cushion inner finisher [LH (rear)] | 23. Seat cushion inner finisher [LH (front)] | 24. Rear slide finisher | C |
| 25. Seat hinge cover | 26. Seatback assembly | 27. Seatback board | C |
| 28. Headrest holder (locked) | 29. Headrest holder (free) | A. Rear hinge cover clips | D |
| B. Seatback board clips | C. Refer to INSTALLATION | | D |

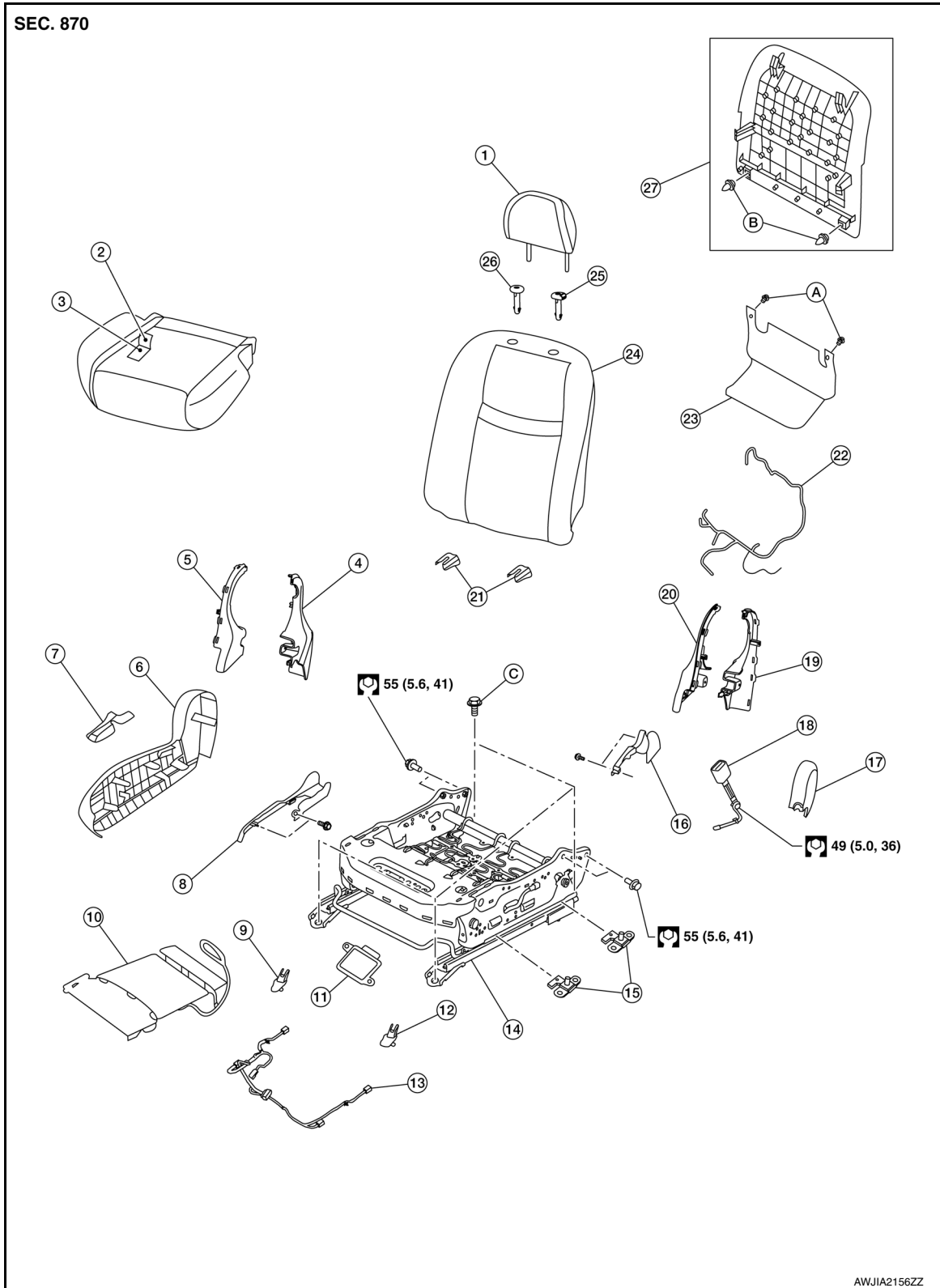
SE

FRONT SEAT

< REMOVAL AND INSTALLATION >

PASSENGER SEAT - MANUAL

SEC. 870



AWJIA2156ZZ

- | | | |
|--|---|-------------------------------------|
| 1. Headrest | 2. Seat cushion trim | 3. Seat cushion pad |
| 4. Seat cushion inner finisher [RH (rear)] | 5. Seat cushion inner finisher [RH (front)] | 6. Seat cushion outer finisher (RH) |
| 7. Front slide finisher (RH) | 8. Slide finisher outer (RH) | 9. Front slide finisher (RH) |
| 10. Front seat heater (if equipped) | 11. Occupant Classification System control unit | 12. Front slide finisher (LH) |

FRONT SEAT

< REMOVAL AND INSTALLATION >

- | | | |
|---|--|---|
| 13. Occupant Classification System harness | 14. Seat frame assembly | 15. Occupant Classification System sensor |
| 16. Slide finisher outer (LH) | 17. Seat cushion outer finisher (LH) | 18. Seat belt buckle |
| 19. Seat cushion inner finisher [LH (rear)] | 20. Seat cushion inner finisher [LH (front)] | 21. Rear slide finisher |
| 22. Seat harness | 23. Seat hinge cover | 24. Seatback assembly |
| 25. Headrest holder (locked) | 26. Headrest holder (free) | 27. Seatback board |
| A. Rear hinge cover clips | B. Seatback board clips | C. Refer to INSTALLATION |

Removal and Installation

INFOID:000000012876492

REMOVAL

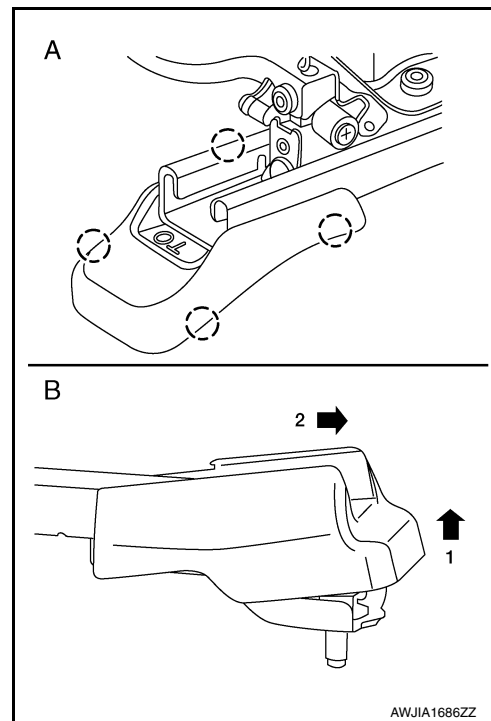
WARNING:

Do not leave any objects (screwdrivers, tools, etc.) on seat during seatback repair. It can lead to personal injury if 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 full rearward position.
2. Disconnect negative and positive battery terminals then wait at least three minutes. Refer to [PG-112, "Removal and Installation"](#).
3. Disconnect harness connector for side air bag module.
4. Release pawls using a suitable tool and remove front finishers (LH/RH) (A) then remove seat front bolts.
5. Connect negative and positive battery terminals then slide seat to full forward position. Refer to [PG-112, "Removal and Installation"](#) (power seat only).
6. Disconnect negative and positive battery terminals then wait at least three minutes. Refer to [PG-112, "Removal and Installation"](#) (power seat only).
7. Remove rear slide finishers (LH/RH) (B) by lifting up and then pulling rearward, then remove seat rear bolts.



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

INSTALLATION

FRONT SEAT

< REMOVAL AND INSTALLATION >

Installation is in the reverse order of removal.

WARNING:

- Perform additional services when installing front passenger seat. Refer to [SRC-39, "ADDITIONAL SERVICE WHEN REPLACING CONTROL UNIT : 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.

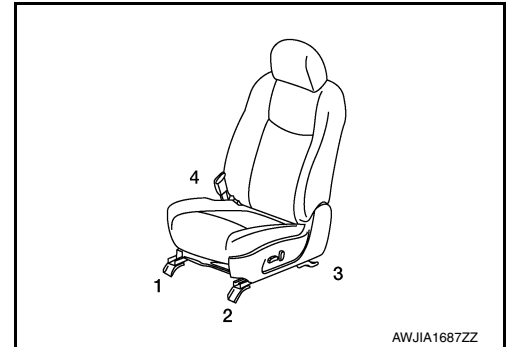
CAUTION:

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

NOTE:

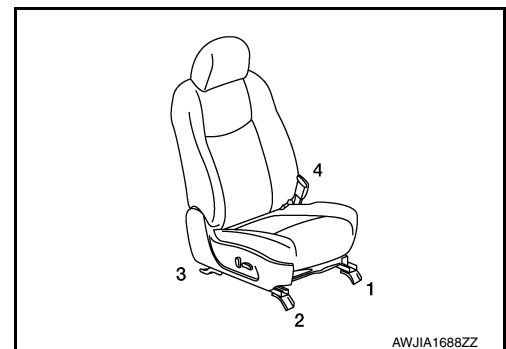
- When installing front seat (LH), tighten bolts in the order shown.
- Tighten seat bolts to specification.

LH front seat bolt torque : 40 N·m (4.1 kg-m, 30 lb-ft)



- When installing front seat (RH), tighten bolts in the order shown.
- Tighten seat bolts to specification.

RH front seat bolt torque : 40 N·m (4.1 kg-m, 30 lb-ft)



Seatback Board

INFOID:000000012876493

REMOVAL

WARNING:

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

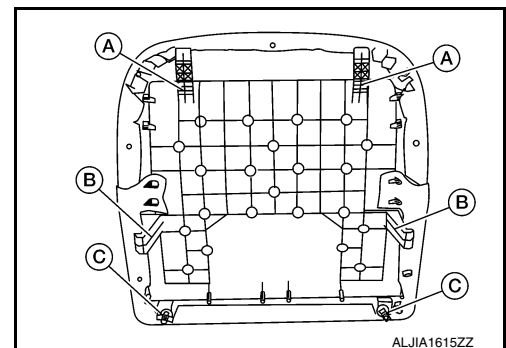
CAUTION:

- When removing or installing seat trim, handle it carefully to keep dirt out and to avoid damage.
 - Before removing front seat, turn ignition switch OFF, disconnect both battery cables then wait at least three minutes.
1. Disconnect negative and positive battery terminals then wait at least three minutes. Refer to [PG-112, "Removal and Installation"](#).
 2. Release seatback board lower clips (C).

CAUTION:

Do not reuse seatback board lower clips.

3. Reach behind seatback board and press center clips (B) inward and release from seatback frame.
4. Pull seatback board down releasing upper clips (A) and remove.



FRONT SEAT

< REMOVAL AND INSTALLATION >

INSTALLATION

Installation is in the reverse order of removal.

Seat Hinge Cover

INFOID:0000000012876494


REMOVAL

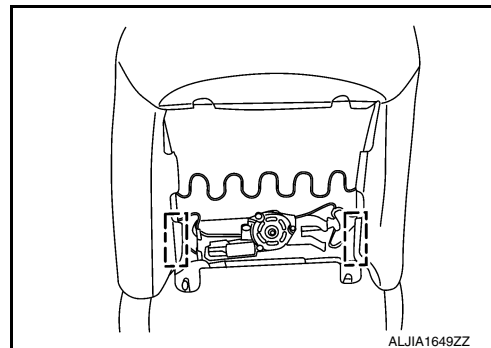
WARNING:

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

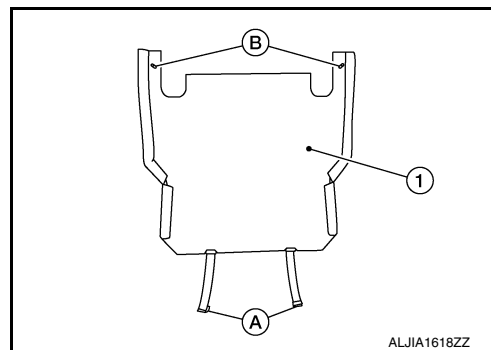
CAUTION:

When removing or installing seat trim, handle it carefully to keep dirt out and to avoid damage.

1. Remove seatback board. Refer to [SE-124, "Seatback Board"](#).
2. Release seatback trim J-hooks.
 J-hook



3. Release two J-hook retainers (A) from seat frame assembly.
4. Release seat hinge cover clips (B) then remove seat hinge cover (1).



INSTALLATION

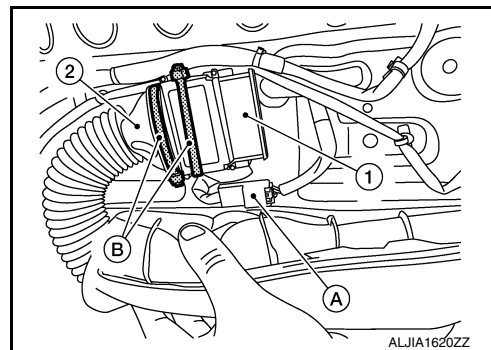
Installation is in the reverse order of removal.

Seatback Thermal Electric Device

INFOID:0000000012876495

REMOVAL

1. Remove seat hinge cover. Refer to [SE-125, "Seat Hinge Cover"](#).
2. Reposition seatback pad then disconnect harness connector (A) from seatback thermal electric device (1).
3. Remove tie straps (B) and seatback thermal electric device (1) from upper blower duct (2) and seatback frame.



INSTALLATION

Installation is in the reverse order of removal.

NOTE:

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

FRONT SEAT

< REMOVAL AND INSTALLATION >

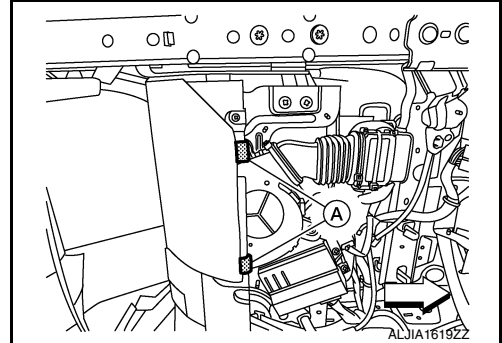
Seat Cushion Thermal Electric Device

INFOID:000000012876496

REMOVAL

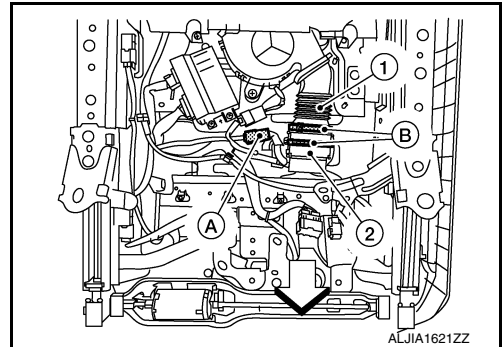
1. Remove front seat. Refer to [SE-123, "Removal and Installation"](#).
2. Remove seat hinge cover. Refer to [SE-125, "Seat Hinge Cover"](#).
3. Release seat cushion J-clip retainers (A) holding seat cushion trim to seat hinge cover.

↩: Front



4. Remove four screws and seat cushion lower rear finisher.
5. Disconnect harness connector (A) from seat cushion thermal electric device (2).
6. Remove tie straps (B) and seat cushion thermal electric device (2) from lower blower duct (1) and seat cushion frame.

↩: Front



INSTALLATION

Installation is in the reverse order of removal.

NOTE:

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

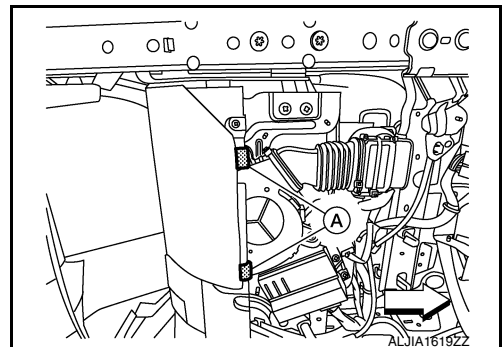
Climate Controlled Seat Blower Motor

INFOID:000000012876497

REMOVAL

1. Remove front seat. Refer to [SE-123, "Removal and Installation"](#).
2. Remove seat hinge cover. Refer to [SE-125, "Seat Hinge Cover"](#).
3. Release seat cushion J-clip retainers (A) holding seat cushion trim to seat hinge cover.

↩: Front

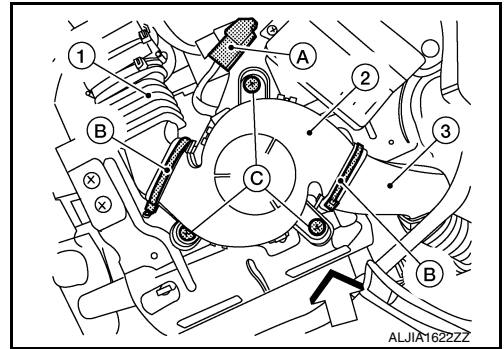


4. Remove four screws and seat cushion lower rear finisher.

FRONT SEAT

< REMOVAL AND INSTALLATION >

5. Disconnect harness connector (A) from climate controlled seat blower motor (2).
6. Remove tie straps (B) and discard then remove angle duct (3) and lower blower duct (1) from climate controlled seat blower motor (2).
7. Remove screws (C) and climate controlled seat blower motor.
⇐: Front



INSTALLATION

Installation is in the reverse order of removal.

NOTE:

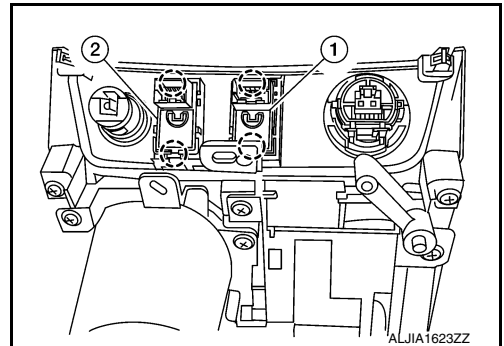
Do not reuse tie straps; new tie straps must be used for installation.

Climate Controlled Seat Switch

INFOID:000000012876498

REMOVAL

1. Release clips and pawls using a suitable tool and remove center console side finisher (LH/RH).
2. Release clips and remove center console upper side finisher (LH/RH).
3. Release clips and screws and remove center console lower side finisher (LH/RH).
4. Remove cluster lid C. Refer to [IP-22, "Removal and Installation"](#).
5. Remove shift selector knob. Refer to [TM-196, "Exploded View"](#).
6. Release clips using a suitable tool then disconnect harness connectors and remove shift selector finisher. Refer to [IP-19, "Exploded View"](#).
7. Release pawls using a suitable tool and remove climate controlled seat switch (1, 2).
○:Pawl



INSTALLATION

Installation is in the reverse order of removal.

Climate Controlled Seat Control Unit

INFOID:000000012876499

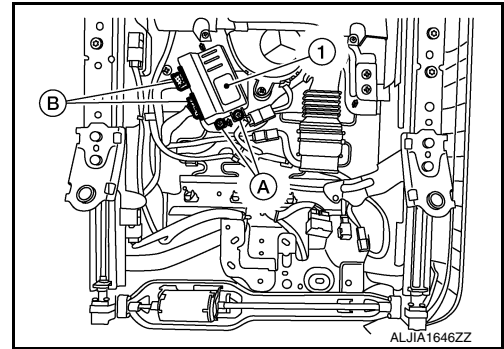
REMOVAL

1. Remove front seat. Refer to [SE-123, "Removal and Installation"](#) (LH) or [SE-123, "Removal and Installation"](#) (RH).

FRONT SEAT

< REMOVAL AND INSTALLATION >

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



INSTALLATION

Installation is in the reverse order of removal.

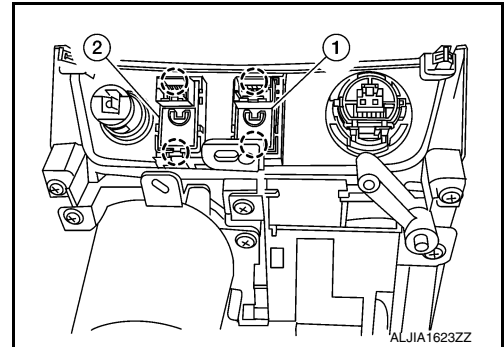
Front Heated Seat Switch

INFOID:0000000012876500

REMOVAL

1. Release clips and pawls using a suitable tool and remove center console side finisher (LH/RH).
2. Release clips and remove center console upper side finisher (LH/RH).
3. Release clips and screws and remove center console lower side finisher (LH/RH).
4. Remove cluster lid C. Refer to [IP-22, "Removal and Installation"](#).
5. Remove shift selector knob. Refer to [TM-196, "Exploded View"](#).
6. Release clips using a suitable tool then disconnect harness connectors and remove shift selector finisher. Refer to [IP-19, "Exploded View"](#).
7. Release pawls using a suitable tool and remove heated seat switch (1, 2).

○:Pawl



INSTALLATION

Installation is in the reverse order of removal.

Front Seat Heater

INFOID:0000000012876501

REMOVAL

1. Remove seat cushion pad. Refer to [SE-158, "Seat Cushion"](#) (LH), or [SE-158, "Seat Cushion"](#) (RH).
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-158, "Seat Cushion"](#) (LH), or [SE-158, "Seat Cushion"](#) (RH).

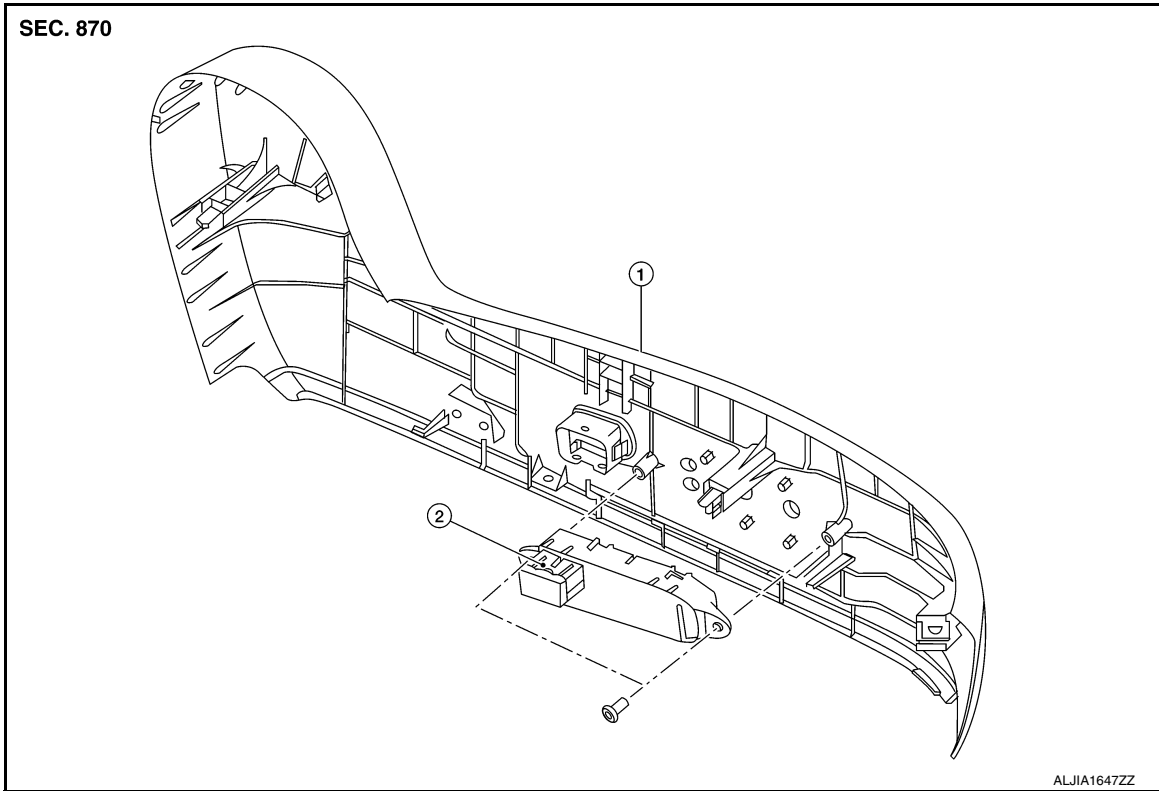
FRONT SEAT

< REMOVAL AND INSTALLATION >

Power Seat Switch

INFOID:000000012876502

EXPLODED VIEW



1. Seat cushion outer finisher 2. Power seat switch

REMOVAL

NOTE:

LH shown, RH similar.

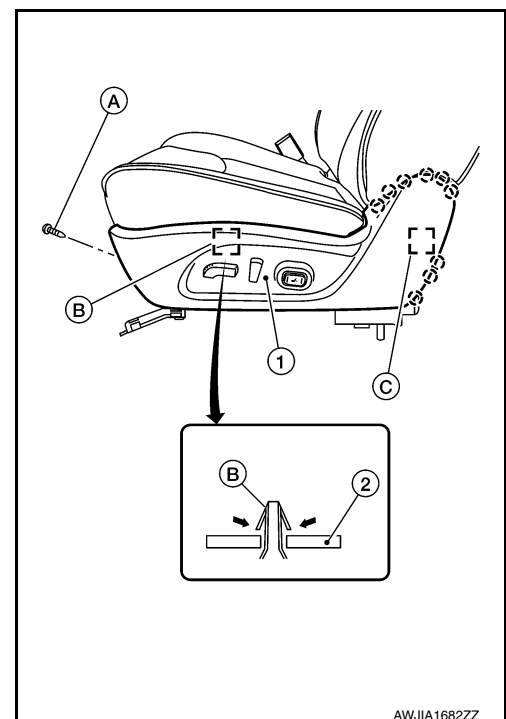
1. Remove seat cushion outer finisher (1).
 - a. Remove screw (A).
 - b. Release metal clip (B) from seat frame assembly (2), as shown.

□: Metal clip

- c. Release pawls and metal clip (C), and remove.

○: Pawl

□: Metal clip



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

FRONT SEAT

< REMOVAL AND INSTALLATION >

- d. Disconnect harness connectors from power seat switch and lumbar support switch (if equipped).
2. Disconnect harness connector from power seat switch.
3. Remove screws and power seat switch.

INSTALLATION

Installation is in the reverse order of removal.

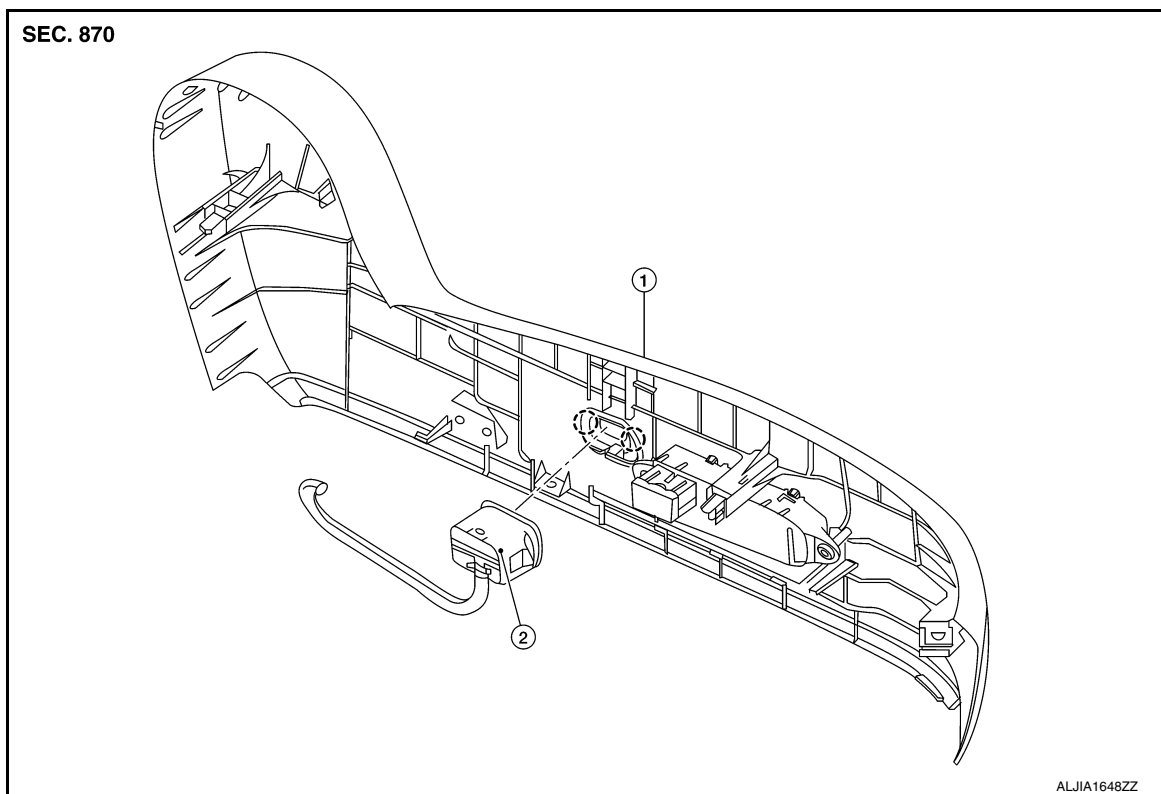
CAUTION:


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

Lumbar Support Switch

INFOID:000000012876503

EXPLODED VIEW



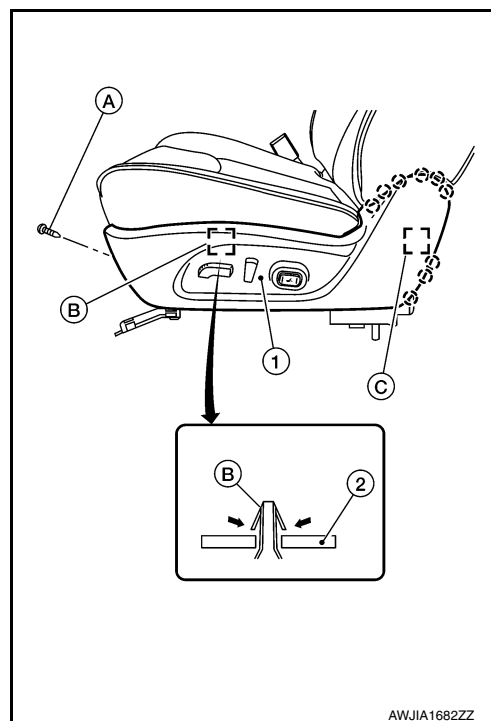
1. Seat cushion outer finisher 2. Lumbar support switch  Pawl

REMOVAL

FRONT SEAT

< REMOVAL AND INSTALLATION >

1. Remove seat cushion outer finisher (1).
 - a. Remove screw (A).
 - b. Release metal clip (B) from seat frame assembly (2), as shown.
□: Metal clip
 - c. Release pawls and metal clip (C), and remove.
○: Pawl
□: Metal clip



2. Disconnect harness connector from lumbar support switch.
3. Using a suitable tool release pawls and remove lumbar support switch.

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, check that clips are securely placed into seat cushion frame holes.

SECOND ROW SEATS

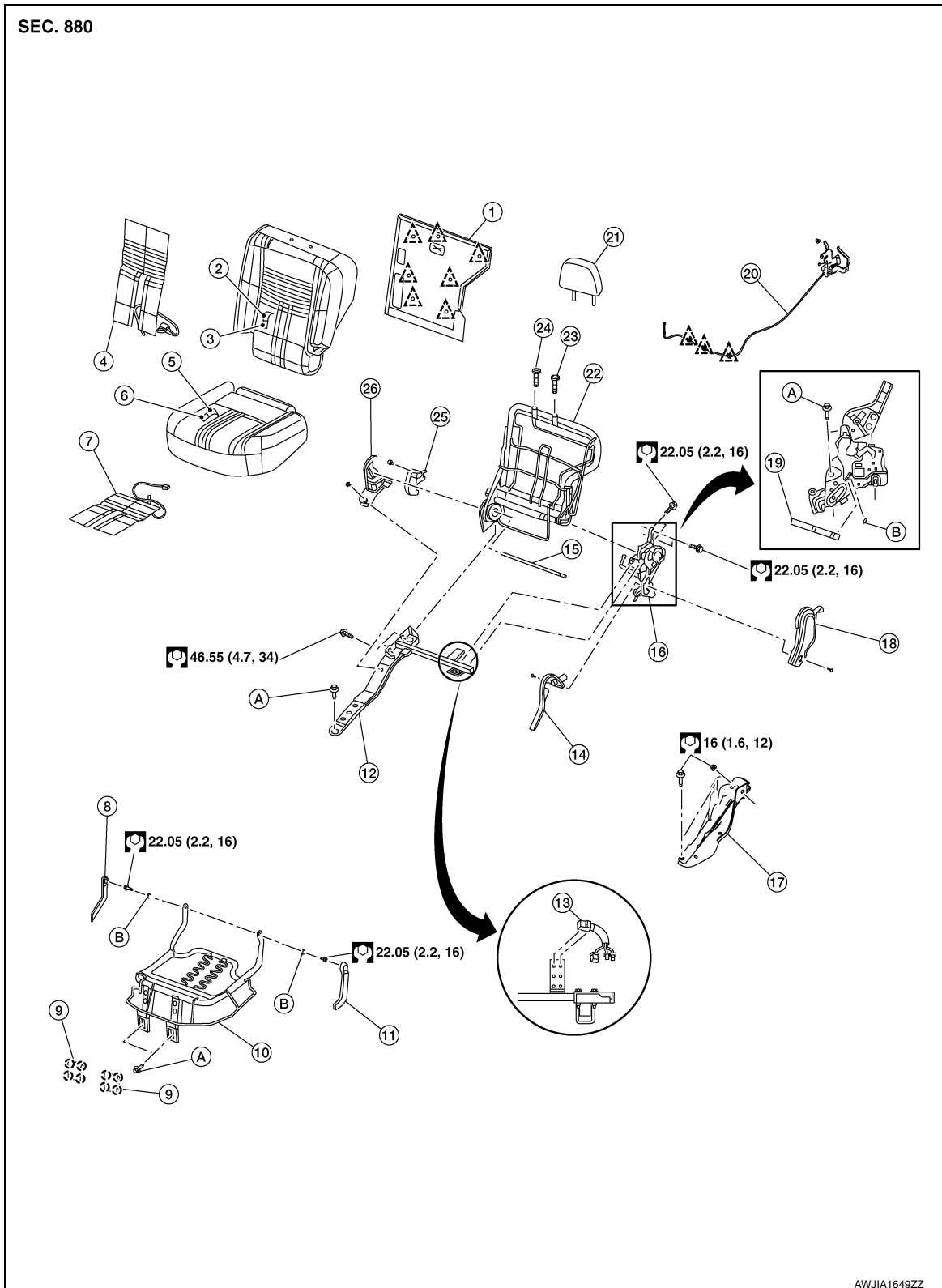
< REMOVAL AND INSTALLATION >

SECOND ROW SEATS

Exploded View

INFOID:000000012876504

LH SEAT





AWJIA1649ZZ

- | | | |
|---------------------------------------|----------------------|---------------------|
| 1. Seatback board | 2. Seatback trim | 3. Seatback pad |
| 4. Seatback heater unit (if equipped) | 5. Seat cushion trim | 6. Seat cushion pad |

SECOND ROW SEATS

< REMOVAL AND INSTALLATION >

- | | | |
|---|---|---|
| <p>7. Seat Cushion heater unit (if equipped)</p> <p>10. Seat cushion frame</p> <p>13. Seat harness (LH)</p>
<p>16. Reclining device assembly</p>
<p>19. Pull strap</p> <p>22. Seatback frame</p> <p>25. Reclining device inner cover (RH)</p> <p>B. Grommet</p> | <p>8. Seat cushion link cover (RH)</p>
<p>11. Seat cushion link cover (LH)</p> <p>14. Reclining device inner cover (LH)</p>
<p>17. Seat bracket</p>
<p>20. Recline release cable assembly</p> <p>23. Headrest holder (locked)</p> <p>26. Reclining device outer cover (RH)</p> <p> Clip</p> | <p>9. Seat cushion hinge cover</p>
<p>12. LATCH bracket</p> <p>15. Reclining device connecting rod</p> <p>18. Reclining device outer cover (LH)</p>
<p>21. Headrest</p> <p>24. Headrest holder (free)</p> <p>A. Refer to installation</p> <p> Pawl</p> |
|---|---|---|

A

B

C

D

E

F

G

H

I

K

L

M

N

O

P

SE

SECOND ROW SEATS

< REMOVAL AND INSTALLATION >

- | | | | |
|---|--|--|--|
| 13. Seat bracket | 14. Seat cushion heater unit (if equipped) | 15. Seat cushion pad | |
| 16. Seat cushion trim | 17. Seat cushion hinge cover | 18. Seat cushion frame | |
| 19. LATCH bracket | 20. Seat cushion link cover (LH) | 21. Reclining device inner finisher (RH) | |
| 22. Armrest bracket outer finisher (LH) | 23. Armrest outer bracket | 24. Armrest bracket inner finisher (LH) | |
| 25. Armrest assembly | 26. Cup holder | 27. Armrest bracket finisher (RH) | |
| 28. Armrest inner bracket | 29. Seat harness | 30. Seatback frame | |
| 31. Seatback board | 32. Headrest (center) | 33. Headrest (RH) | |
| 34. Headrest holder (locked) | A. Refer to installation | △ Clip | |
- Pawl

Removal and Installation

INFOID:0000000012876505

REMOVAL

CAUTION:

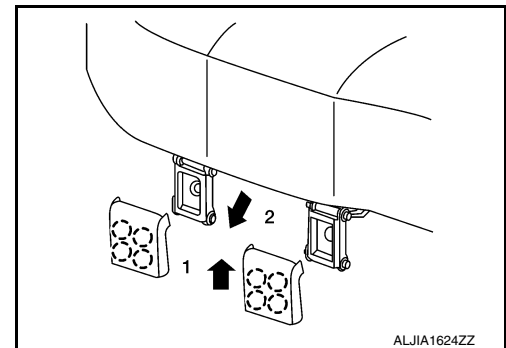
- Before removal and installation, use shop cloths to protect parts from damage.
- During removal and installation, an assistant is required to protect against injury or damage.

NOTE:

RH seat shown; LH seat similar.

1. Remove headrests.
2. Remove seat cushion hinge covers (LH/RH).
 - a. Slide seat cushion hinge covers upward (1) to release pawls.
 - b. Pull (2) seat cushion hinge covers away from bracket.

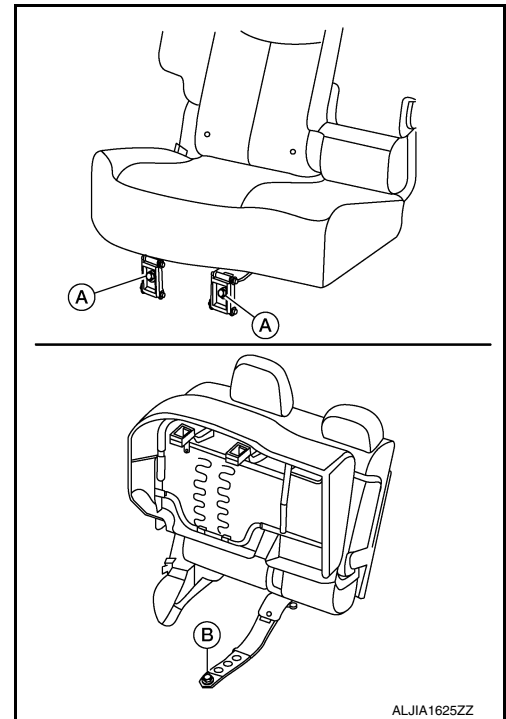
○: Pawl



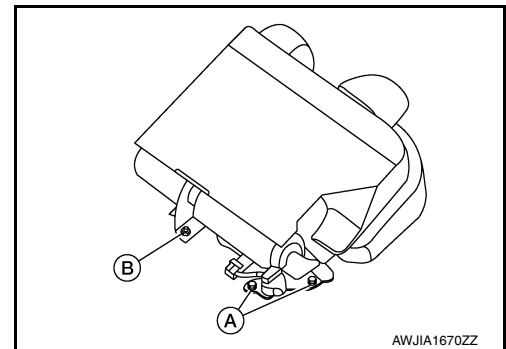
SECOND ROW SEATS

< REMOVAL AND INSTALLATION >

3. Remove two seat front bolts (A).
4. Lift and support rear seat cushion assembly using a suitable tool then remove bolt (B).



5. Disconnect harness connector (if equipped) then release from seat frame assembly.
6. Adjust rear seat to fold flat position then remove seat rear bolts (A) and nut (B).



7. Release recline release cable from reclining device and remove seat.

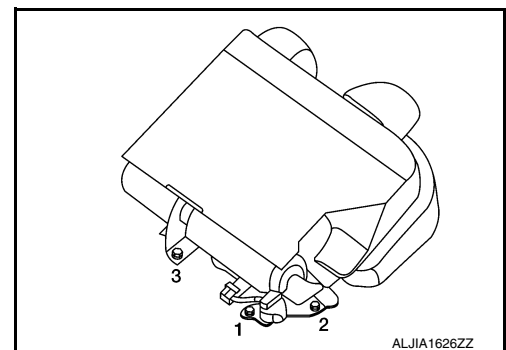
INSTALLATION

Installation is in the reverse order of removal.

NOTE:

- With seat folded flat, tighten seat rear bolts and nut in the order shown.

Seat rear bolts and nut :45 N·m (4.6 Kg-m, 33 Ft-lb)

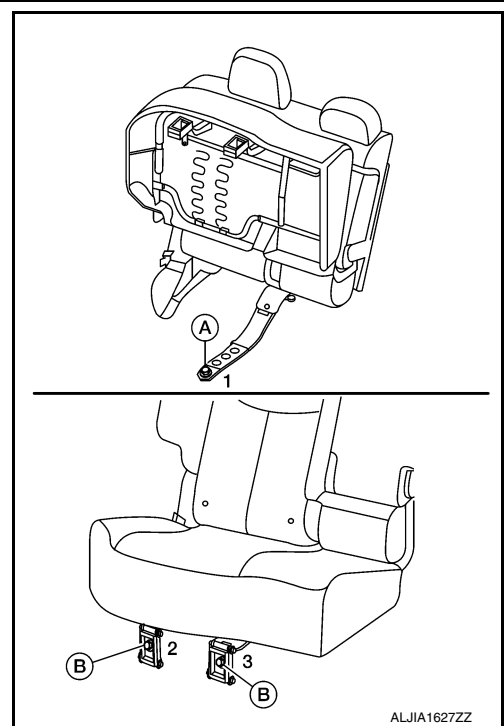


SECOND ROW SEATS

< REMOVAL AND INSTALLATION >

- Lift seat cushion and tighten seat front bolt (A) then lower seat cushion and tighten seat front bolts (B) in the order shown.

Seat front bolts :45 N·m (4.6 Kg-m, 33 Ft-lb)



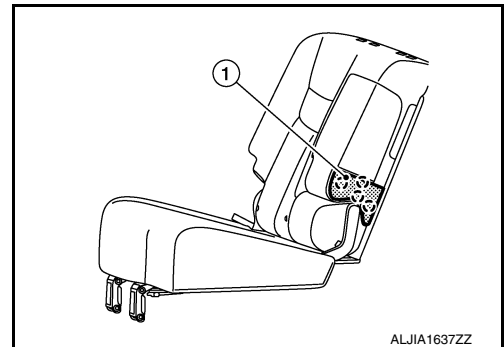
Armrest Assembly

INFOID:000000012876506

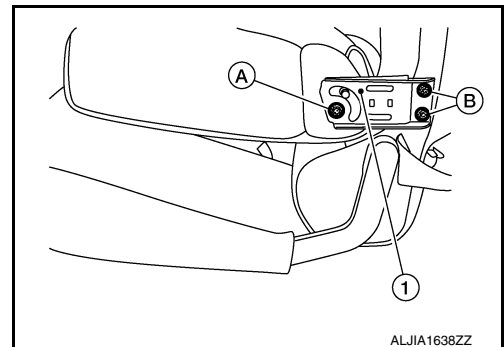
REMOVAL

1. Adjust rear seat (LH) to the fold flat position.
2. Release pawls and remove armrest bracket outer finisher.

○: Pawl



3. Remove bolt (A) and nuts (B), then remove armrest outer bracket (1).



4. Remove armrest assembly.

INSTALLATION

Installation is in the reverse order of removal.

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

SECOND ROW SEATS

< REMOVAL AND INSTALLATION >

Seat Cushion

INFOID:000000012876507

REMOVAL

NOTE:

LH seat cushion shown; RH seat cushion similar.

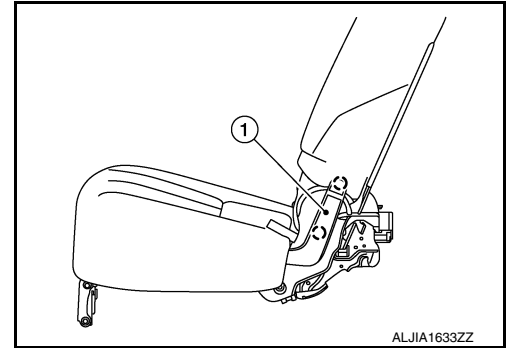
1. Remove rear seat. Refer to [SE-135. "Removal and Installation"](#).
2. Disconnect harness connectors from seat (LH) cushion heater (if equipped) and release harness from attachments.

NOTE:

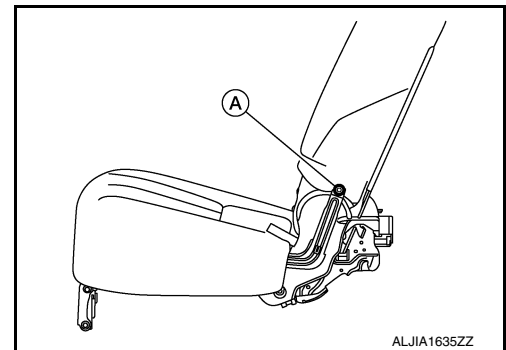
Take note of harness routing and attachment location for correct installation.

3. Release pawls and remove seat cushion link cover (RH/LH).

⊖: Pawl



4. Remove seat cushion link bolt (RH/LH) (A) and remove seat cushion.



INSTALLATION

Installation is in the reverse order of removal.

NOTE:

Tighten seat cushion link bolt to specification. Refer to [SE-132. "Exploded View"](#).

Recline Release Cable Assembly

INFOID:000000012876508

REMOVAL

NOTE:

LH shown; RH similar.

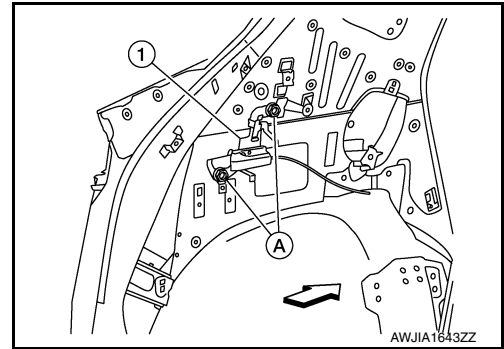
1. Remove luggage side lower finisher. Refer to [INT-30. "LUGGAGE SIDE LOWER FINISHER : Removal and Installation"](#) (LH) or [INT-30. "LUGGAGE SIDE LOWER FINISHER : Removal and Installation"](#) (RH).

SECOND ROW SEATS

< REMOVAL AND INSTALLATION >

2. Remove nuts (A) and recline release cable assembly (1).

⇐: Front

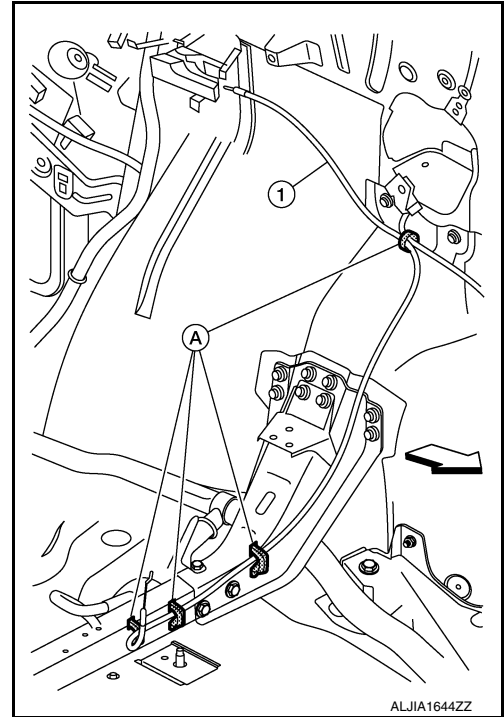


3. Remove recline release cable (1) from clips (A).

⇐: Front

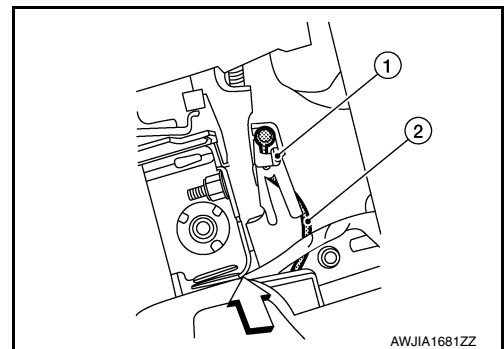
CAUTION:

Note cable routing for correct installation.



4. Remove recline release cable assembly (2) from rear seat (LH) recline device assembly (1).

⇐: Front



INSTALLATION

Installation is in the reverse order of removal.

CAUTION:

Route cables correctly for proper function.

Second Row Heated Seat Switch

INFOID:000000012876509

REMOVAL

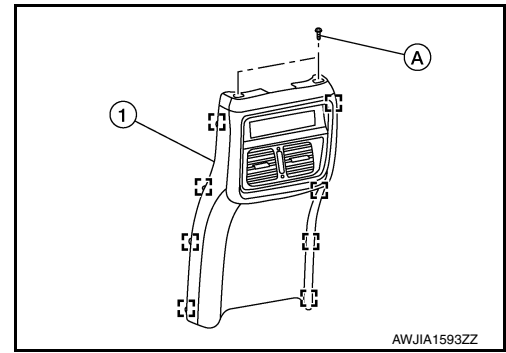
1. Remove center console tray mat. Refer to [IP-19, "Exploded View"](#).
2. Remove screw and release clips then remove center console tray.

SECOND ROW SEATS


< REMOVAL AND INSTALLATION >

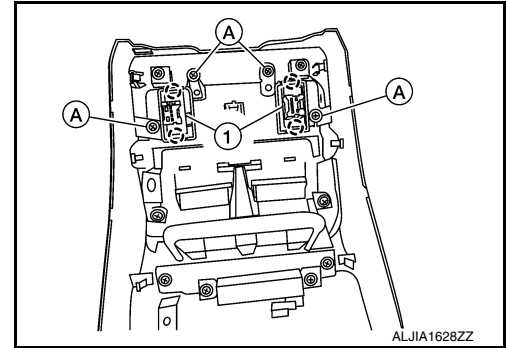
3. Remove screws (A) and release clips using a suitable tool then remove center console rear finisher (1).

 Metal clip



4. Remove screws (A) and release pawls then remove second row heated seat switches (1).

 Pawl



INSTALLATION

Installation is in the reverse order of removal.

Second Row Seat Heater

INFOID:000000012876510

REMOVAL

Seat Heater - Seat cushion pad

1. Remove seat cushion pad. Refer to [SE-165, "LH SEAT : Seat Cushion"](#) (LH), or [SE-167, "RH SEAT : Seat Cushion"](#) (RH).
2. Carefully remove second row 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.

Seat Heater - Seatback pad

1. Remove seatback pad. Refer to [SE-164, "LH SEAT : Seatback"](#) (LH), or [SE-166, "RH SEAT : Seatback"](#) (RH).
2. Carefully remove second row seat heater from seatback pad.
CAUTION:
 - Carefully remove seat heater from seatback pad.
 - Do not damage seatback pad when removing seat heater, if damaged replace seatback pad.

INSTALLATION

Seat cushion pad

1. Peel protective backing from second row seat heater and attach to seat cushion pad.
2. Secure the seat heater harness to the seat cushion frame.
3. Install the remaining seat cushion components. Refer to [SE-165, "LH SEAT : Seat Cushion"](#) (LH), or [SE-167, "RH SEAT : Seat Cushion"](#) (RH).

Seatback pad

1. Peel protective backing from second row seat heater and attach to seatback pad.
2. Secure the second row seat heater harness to the seat frame assembly.

SECOND ROW SEATS

< REMOVAL AND INSTALLATION >

3. Install the remaining seatback components. Refer to [SE-164, "LH SEAT : Seatback"](#) (LH), or [SE-166, "RH SEAT : Seatback"](#) (RH).

A

B

C

D

E

F

G

H

I

SE

K

L

M

N

O

P

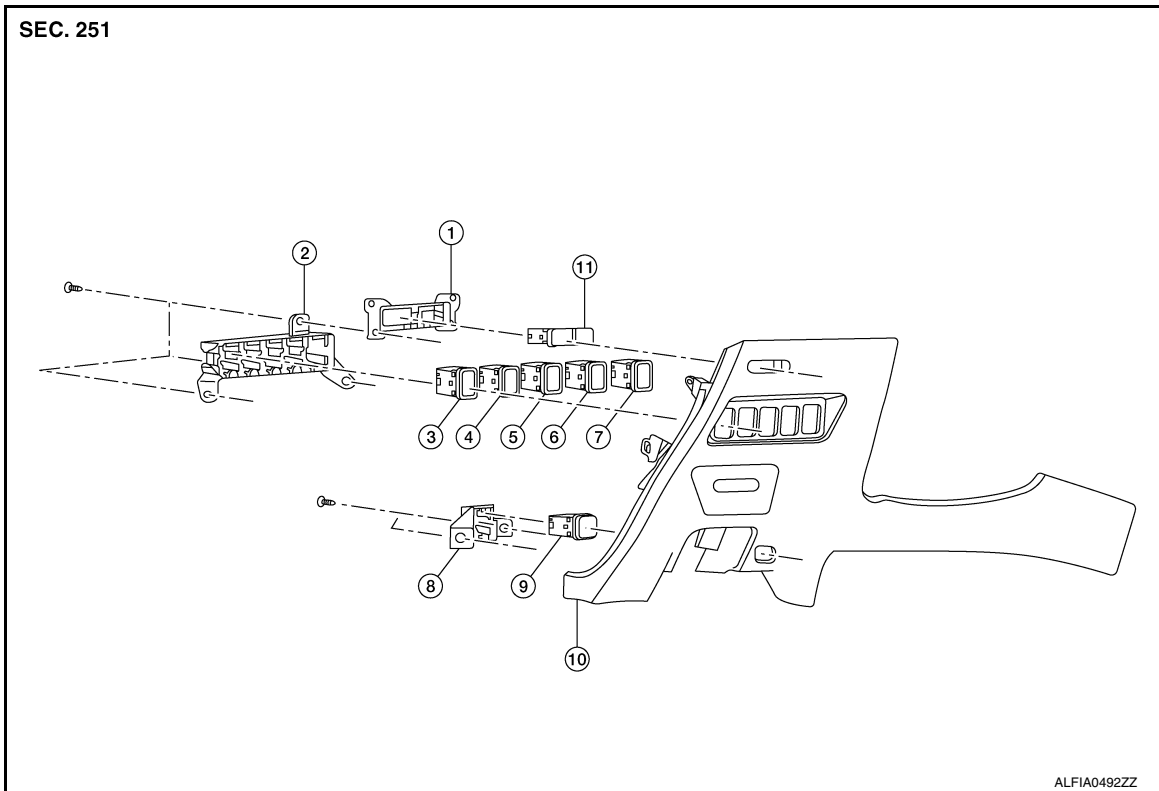
POWER RETURN SWITCH

< REMOVAL AND INSTALLATION >

POWER RETURN SWITCH

Front Power Return Switch

INFOID:000000012876511



- | | | |
|-------------------------------|---------------------------------|---------------------------------|
| 1. Upper switch carrier | 2. Middle switch carrier | 3. VDC OFF switch |
| 4. Mask | 5. Automatic back door switch | 6. Heated steering wheel switch |
| 7. Mask | 8. Lower switch carrier | 9. Front power return switch |
| 10. Instrument lower panel LH | 11. Illumination control switch | |

Removal

1. Remove instrument lower panel LH. Refer to [IP-24. "Removal and Installation"](#).
2. Remove screws and lower switch carrier from instrument lower panel LH.
3. Release pawls and remove front power return switch from lower switch carrier.

Installation

Installation is in the reverse order of removal.

Rear Power Return Switch

INFOID:000000012876512

REMOVAL

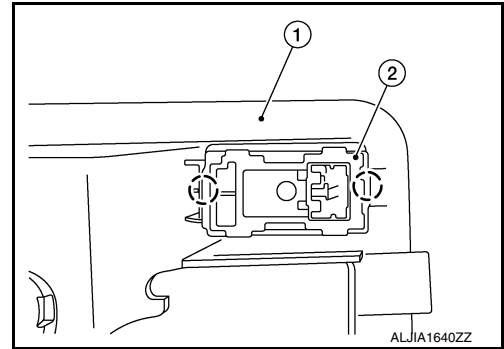
1. Remove the rear seat recline lever finisher escutcheon. Refer to [INT-30. "Exploded View"](#).
2. Remove screw and rear seat recline lever finisher, then disconnect the harness connector from rear power return switch.

POWER RETURN SWITCH

< REMOVAL AND INSTALLATION >

3. Release pawls and remove rear power return switch (2) from rear seat recline lever finisher (1).

○: Pawl



INSTALLATION

Installation is in the reverse order of removal.

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

SE

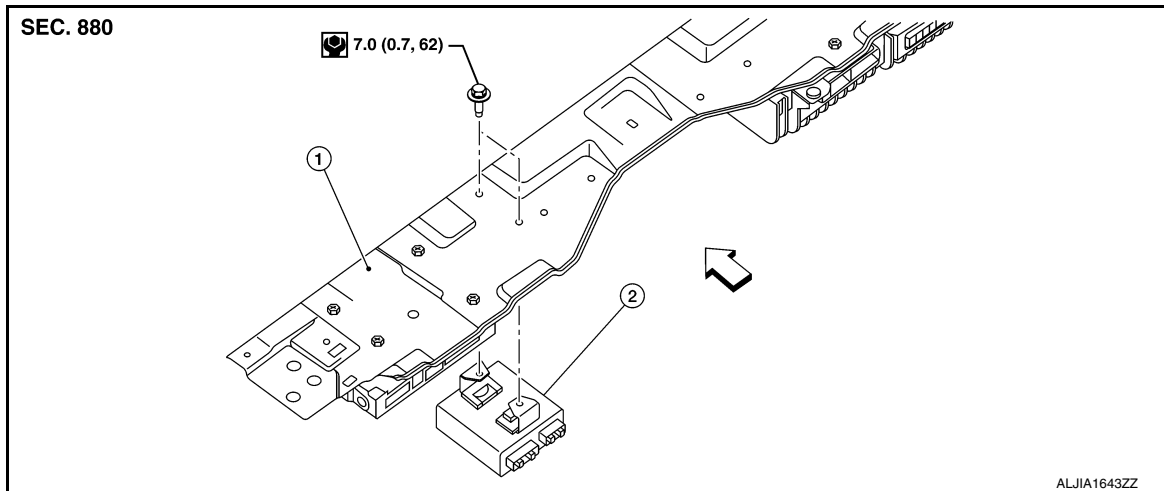
SEATBACK POWER RETURN CONTROL UNIT

< REMOVAL AND INSTALLATION >

SEATBACK POWER RETURN CONTROL UNIT

Explode View

INFOID:000000012876513



1. Luggage floor support bracket 2. Seatback power return control ← Front unit

Removal and Installation

INFOID:000000012876514

REMOVAL

1. Remove luggage floor front finisher. Refer to [INT-30."Exploded View"](#).
2. Disconnect the harness connectors from the rear seatback power return control unit.
3. Remove bolts and rear seatback power return control unit.

INSTALLATION

Installation is in the reverse order of removal.

FRONT SEAT

< UNIT DISASSEMBLY AND ASSEMBLY >

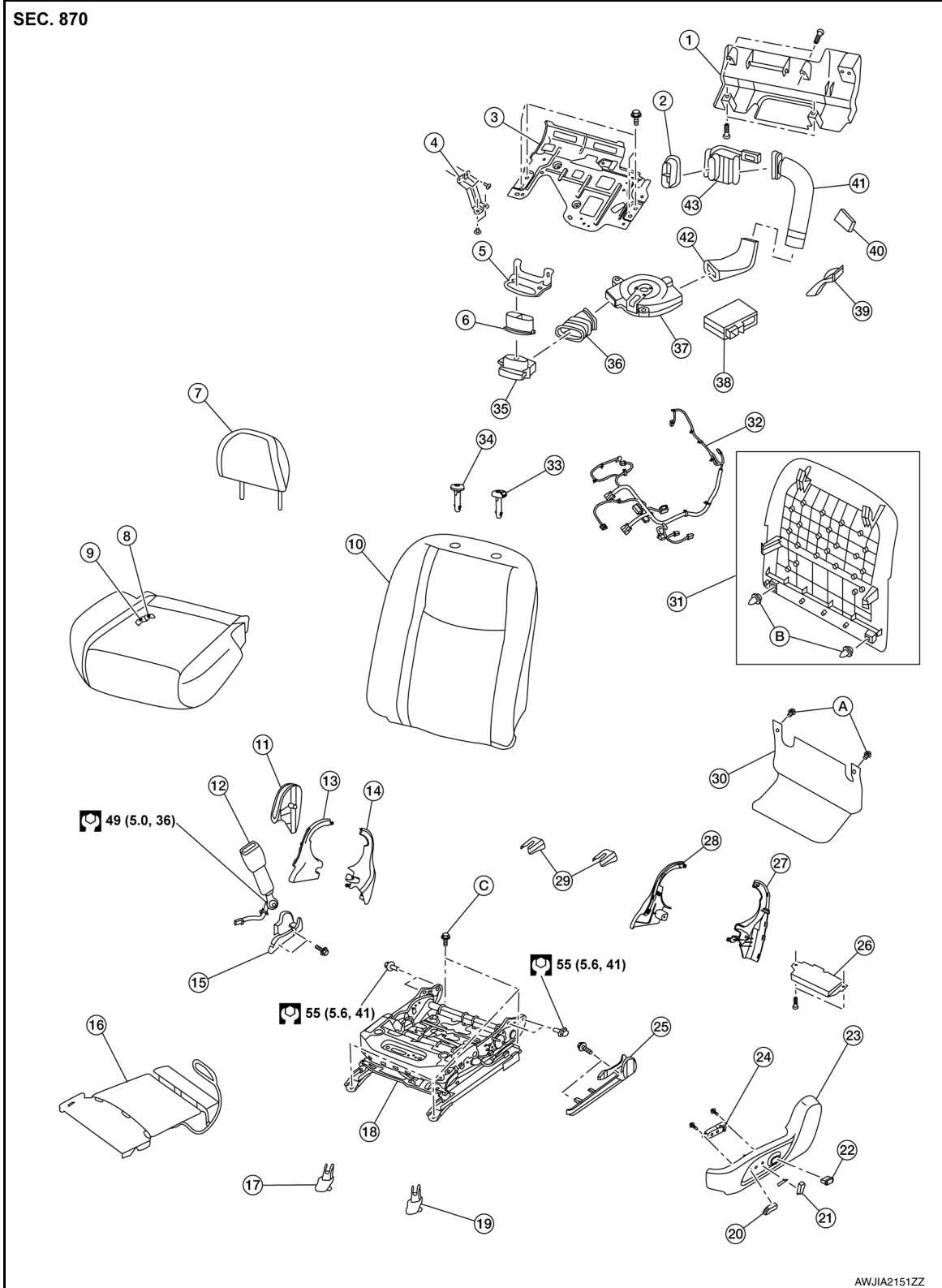
UNIT DISASSEMBLY AND ASSEMBLY

FRONT SEAT

Exploded View

INFOID:0000000012876515

DRIVER SEAT WITH CLIMATE CONTROL



A

B

C

D

E

F

G

H

I

SE

K

L

M

N

O

P

FRONT SEAT

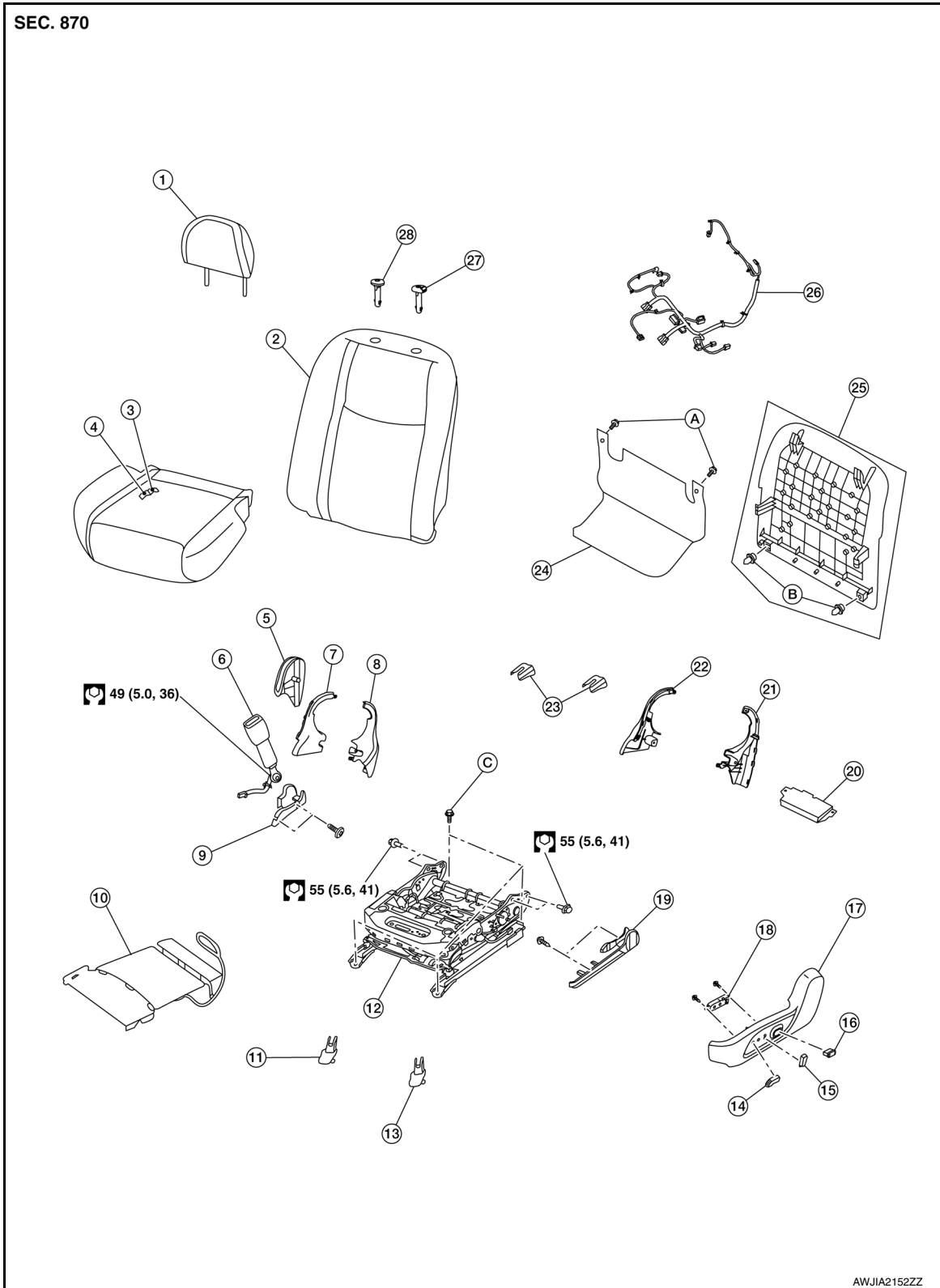
< UNIT DISASSEMBLY AND ASSEMBLY >

- | | | |
|--|---|---|
| 1. Lower rear cover | 2. Thermal electric device nozzle | 3. Blower motor bracket |
| 4. Thermal electric device harness bracket | 5. Thermal electric device bracket | 6. Thermal electric device nozzle |
| 7. Headrest | 8. Seat cushion trim | 9. Seat cushion pad |
| 10. Seatback assembly | 11. Seat cushion outer finisher (RH) | 12. Seat belt buckle |
| 13. Seat cushion inner finisher [RH (front)] | 14. Seat cushion inner finisher [RH (rear)] | 15. Slide finisher outer (RH) |
| 16. Front seat heater | 17. Front slide finisher (RH) | 18. Seat frame assembly |
| 19. Front slide finisher (LH) | 20. Seat slide knob | 21. Seat recline knob |
| 22. Lumbar support switch | 23. Seat cushion outer finisher (LH) | 24. Power seat switch |
| 25. Slide finisher outer (LH) | 26. Driver seat control unit | 27. Seat cushion inner finisher [LH (rear)] |
| 28. Seat cushion inner finisher [LH (front)] | 29. Rear slide finisher | 30. Rear hinge cover |
| 31. Seatback board | 32. Seat harness | 33. Headrest holder (locked) |
| 34. Headrest holder (free) | 35. Seat cushion thermal electric device | 36. Lower blower duct |
| 37. Blower motor with filter | 38. Climate controlled seat control unit | 39. Thermal electric device clip |
| 40. Upper blower duct clip | 41. Upper blower duct | 42. Angle duct |
| 43. Seatback thermal electric device | A. Rear hinge cover clips | B. Seatback board clips |
| C. Refer to INSTALLATION | | |

FRONT SEAT

< UNIT DISASSEMBLY AND ASSEMBLY >

DRIVER SEAT WITHOUT CLIMATE CONTROL



- | | | |
|---|--|------------------------------|
| 1. Headrest | 2. Seatback assembly | 3. Seat cushion trim |
| 4. Seat cushion pad | 5. Seat cushion outer finisher (RH) | 6. Seat belt buckle |
| 7. Seat cushion inner finisher [RH (front)] | 8. Seat cushion inner finisher [RH (rear)] | 9. Slide finisher outer (RH) |
| 10. Front seat heater | 11. Front slide finisher (RH) | 12. Seat frame assembly |
| 13. Front slide finisher (LH) | 14. Seat slide knob | 15. Seat recline knob |

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

FRONT SEAT

< UNIT DISASSEMBLY AND ASSEMBLY >

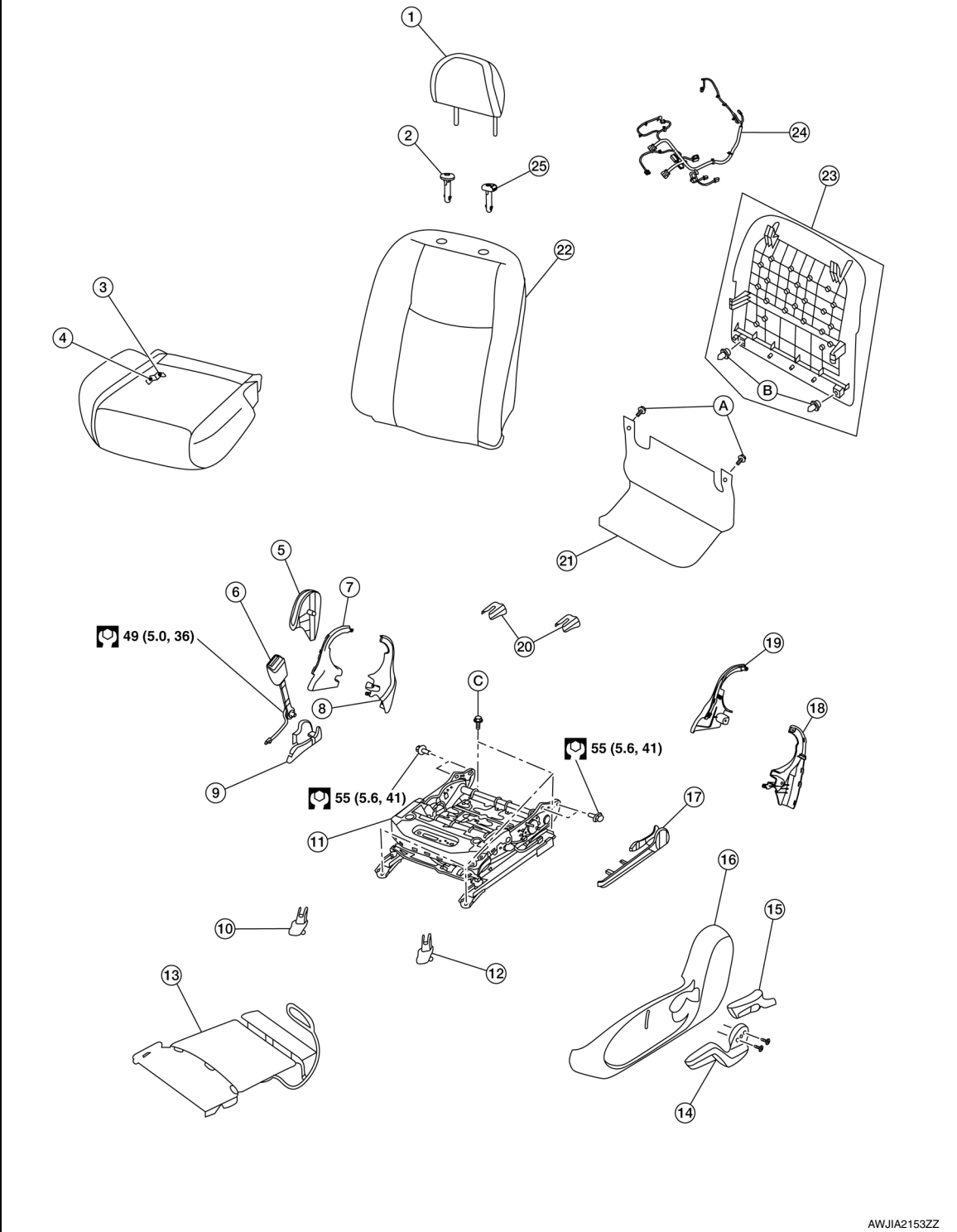
- | | | |
|--|--------------------------------------|---|
| 16. Lumbar support switch | 17. Seat cushion outer finisher (LH) | 18. Power seat switch |
| 19. Slide finisher outer (LH) | 20. Driver seat control unit | 21. Seat cushion inner finisher [LH (rear)] |
| 22. Seat cushion inner finisher [LH (front)] | 23. Rear slide finisher | 24. Rear hinge cover |
| 25. Seatback board | 26. Seat harness | 27. Headrest holder (locked) |
| 28. Headrest holder (free) | A. Rear hinge cover clips | B. Seatback board clips |
| C. Refer to INSTALLATION | | |

FRONT SEAT

< UNIT DISASSEMBLY AND ASSEMBLY >

DRIVER SEAT - MANUAL

SEC. 870



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

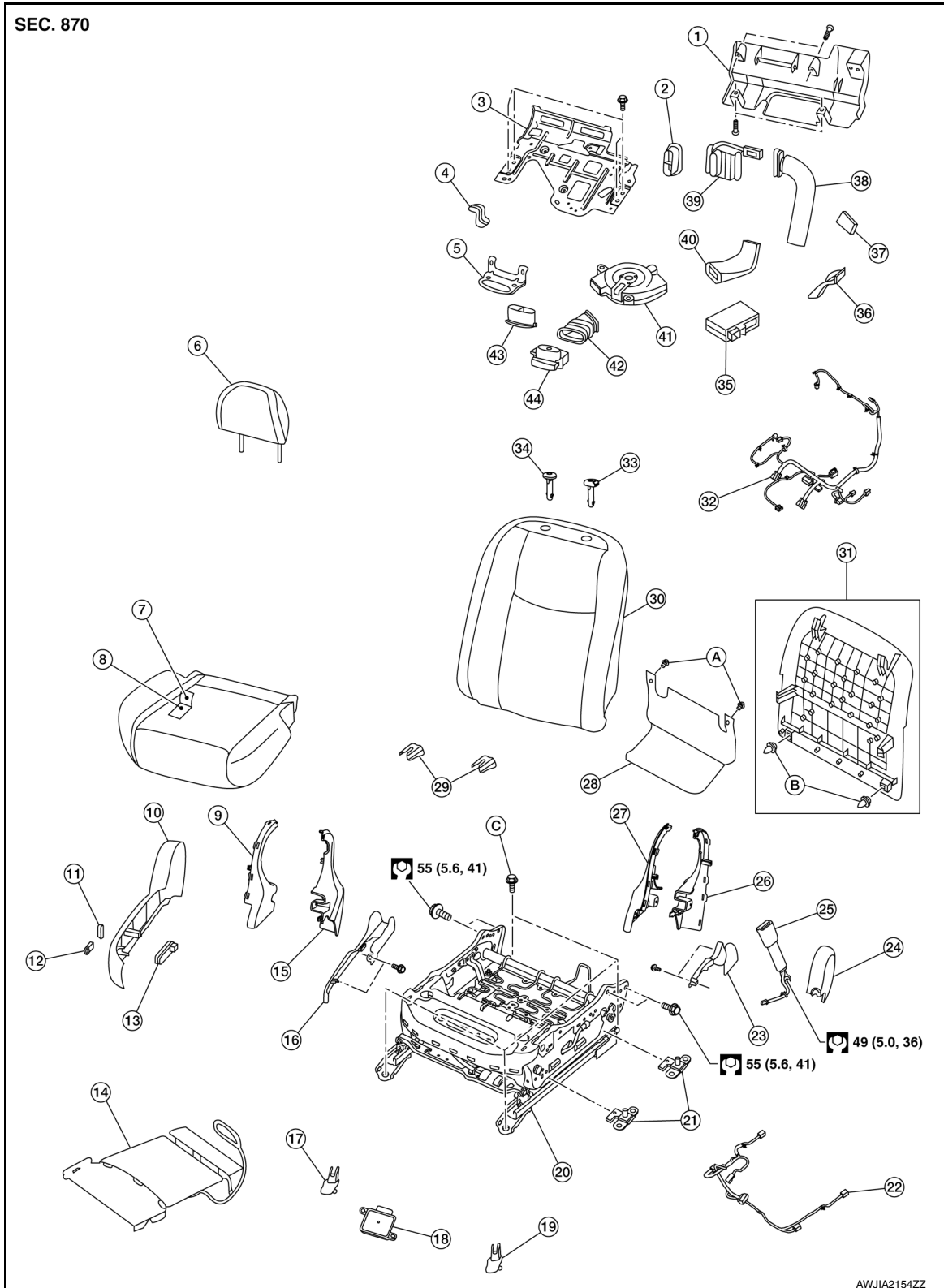
A
B
C
D
E
F
G
H
I
SE
K
L
M
N
O
P

FRONT SEAT

< UNIT DISASSEMBLY AND ASSEMBLY >

- | | | |
|--|-------------------------------|---|
| 16. Seat cushion outer finisher (LH) | 17. Slide finisher outer (LH) | 18. Seat cushion inner finisher [LH (rear)] |
| 19. Seat cushion inner finisher [LH (front)] | 20. Rear slide finisher | 21. Rear hinge cover |
| 22. Seatback assembly | 23. Seatback board | 24. Seat harness |
| 25. Headrest holder (locked) | A. Rear hinge cover clips | B. Seatback board clips |
| C. Refer to INSTALLATION | | |

PASSENGER SEAT WITH CLIMATE CONTROL



FRONT SEAT

< UNIT DISASSEMBLY AND ASSEMBLY >

1. Lower rear cover	2. Thermal electric device nozzle	3. Thermal electric device bracket	A
4. Thermal electric device harness bracket	5. Blower motor bracket	6. Headrest	
7. Seat cushion trim	8. Seat cushion pad	9. Seat cushion inner finisher [RH (front)]	B
10. Seat cushion outer finisher (RH)	11. Seat recline knob	12. Seat slide knob	
13. Power seat switch	14. Front seat heater	15. Seat cushion inner finisher [RH (rear)]	C
16. Slide finisher outer (RH)	17. Front slide finisher (RH)	18. Occupant Classification System control unit	
19. Front slide finisher (LH)	20. Seat frame assembly	21. Occupant Classification System sensor	D
22. Occupant Classification System harness	23. Slide finisher outer (LH)	24. Seat cushion outer finisher (LH)	E
25. Seat belt buckle	26. Seat cushion inner finisher [LH (rear)]	27. Seat cushion inner finisher [LH (front)]	
28. Seat hinge cover	29. Rear slide finisher	30. Seatback assembly	F
31. Seatback board	32. Seat harness	33. Headrest holder (locked)	
34. Headrest holder (free)	35. Climate controlled seat control unit	36. Thermal electric device clip	
37. Upper blower duct clip	38. Upper blower duct	39. Seatback thermal electric device	G
40. Angle duct	41. Blower motor with filter	42. Lower blower duct	
43. Thermal electric device nozzle	44. Seat cushion thermal electric device	A. Rear hinge cover clips	H
B. Seatback board clips	C. Refer to INSTALLATION		I

SE

K

L

M

N

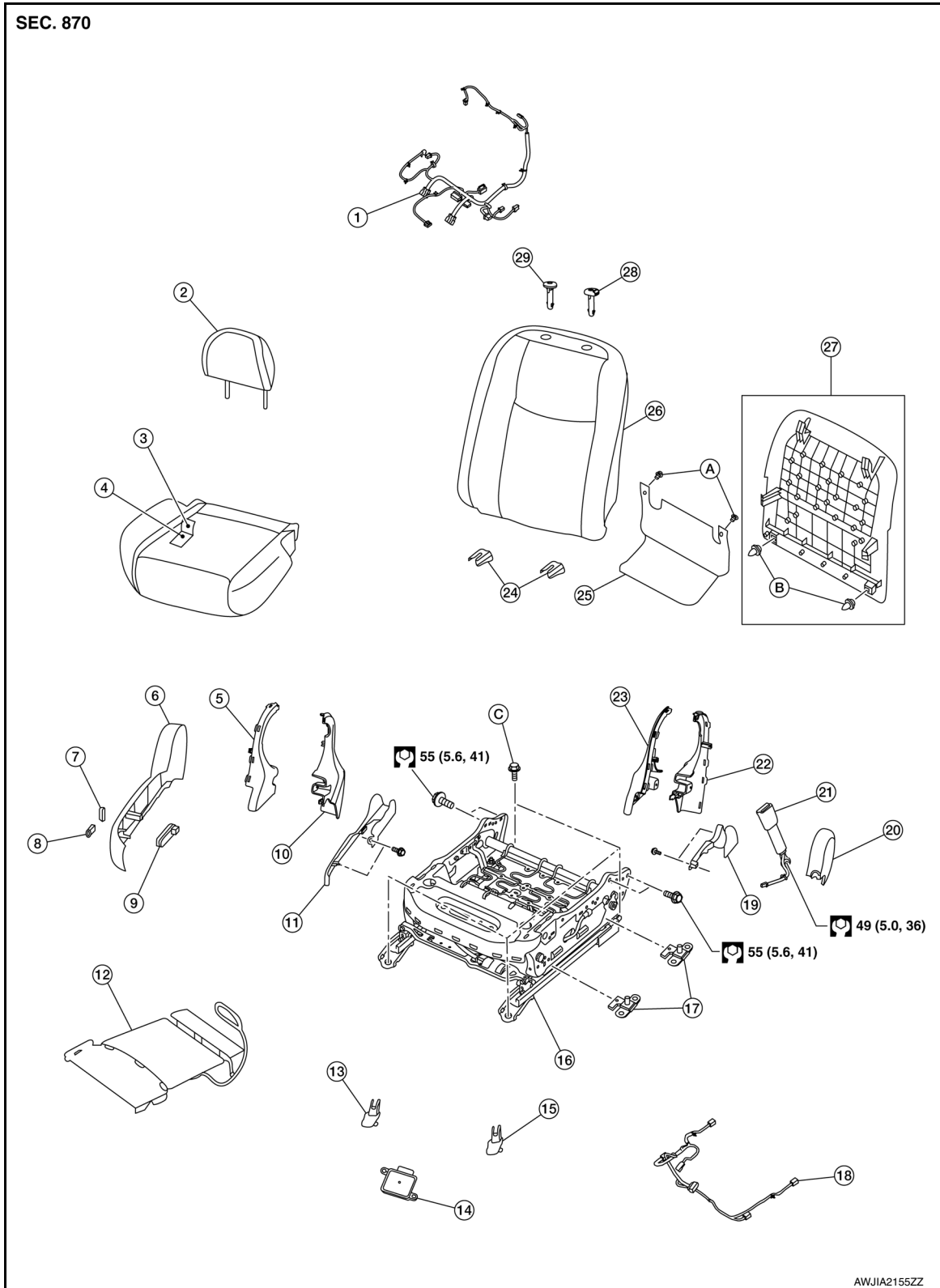
O

P

FRONT SEAT

< UNIT DISASSEMBLY AND ASSEMBLY >

PASSENGER SEAT WITHOUT CLIMATE CONTROL



- | | | |
|---|---|-------------------------------------|
| 1. Seat harness | 2. Headrest | 3. Seat cushion trim |
| 4. Seat cushion pad | 5. Seat cushion inner finisher [RH (front)] | 6. Seat cushion outer finisher (RH) |
| 7. Seat recline knob | 8. Seat slide knob | 9. Power seat switch |
| 10. Seat cushion inner finisher [RH (rear)] | 11. Slide finisher outer (RH) | 12. Front seat heater (if equipped) |

FRONT SEAT

< UNIT DISASSEMBLY AND ASSEMBLY >

- | | | |
|---|---|--|
| 13. Front slide finisher (RH) | 14. Occupant Classification System control unit | 15. Front slide finisher (LH) |
| 16. Seat frame assembly | 17. Occupant Classification System sensor | 18. Occupant Classification System harness |
| 19. Slide finisher outer (LH) | 20. Seat cushion outer finisher (LH) | 21. Seat belt buckle |
| 22. Seat cushion inner finisher [LH (rear)] | 23. Seat cushion inner finisher [LH (front)] | 24. Rear slide finisher |
| 25. Seat hinge cover | 26. Seatback assembly | 27. Seatback board |
| 28. Headrest holder (locked) | 29. Headrest holder (free) | A. Rear hinge cover clips |
| B. Seatback board clips | C. Refer to INSTALLATION | |

A

B

C

D

E

F

G

H

I

SE

K

L

M

N

O

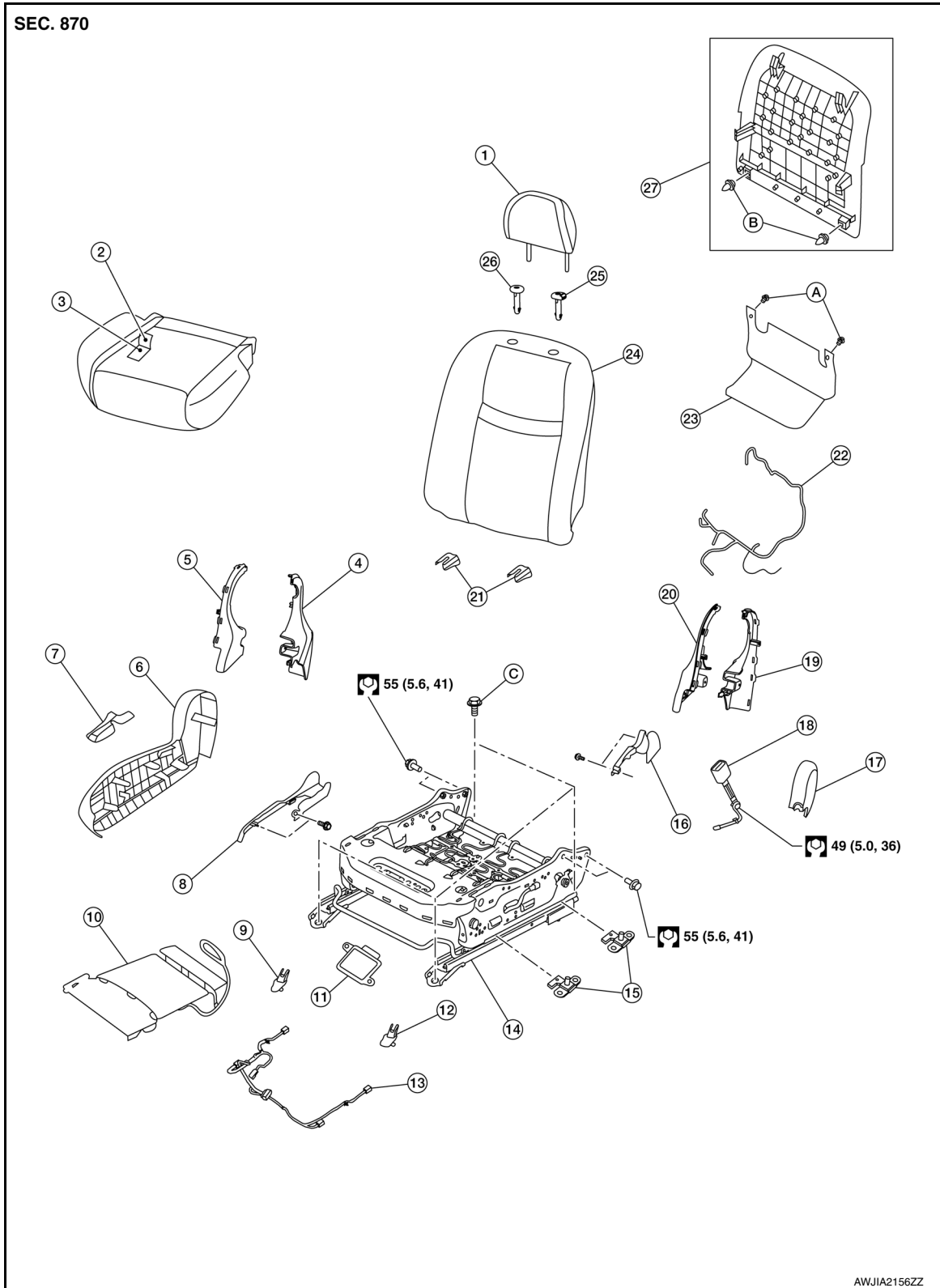
P

FRONT SEAT

< UNIT DISASSEMBLY AND ASSEMBLY >

PASSENGER SEAT - MANUAL

SEC. 870



AWJIA2156ZZ

- | | | |
|--|---|-------------------------------------|
| 1. Headrest | 2. Seat cushion trim | 3. Seat cushion pad |
| 4. Seat cushion inner finisher [RH (rear)] | 5. Seat cushion inner finisher [RH (front)] | 6. Seat cushion outer finisher (RH) |
| 7. Front slide finisher (RH) | 8. Slide finisher outer (RH) | 9. Front slide finisher (RH) |
| 10. Front seat heater (if equipped) | 11. Occupant Classification System control unit | 12. Front slide finisher (LH) |

FRONT SEAT

< UNIT DISASSEMBLY AND ASSEMBLY >

- | | | |
|---|--|---|
| 13. Occupant Classification System harness | 14. Seat frame assembly | 15. Occupant Classification System sensor |
| 16. Slide finisher outer (LH) | 17. Seat cushion outer finisher (LH) | 18. Seat belt buckle |
| 19. Seat cushion inner finisher [LH (rear)] | 20. Seat cushion inner finisher [LH (front)] | 21. Rear slide finisher |
| 22. Seat harness | 23. Seat hinge cover | 24. Seatback assembly |
| 25. Headrest holder (locked) | 26. Headrest holder (free) | 27. Seatback board |
| A. Rear hinge cover clips | B. Seatback board clips | C. Refer to INSTALLATION |

Seatback

INFOID:000000012876516

DISASSEMBLY

WARNING:

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

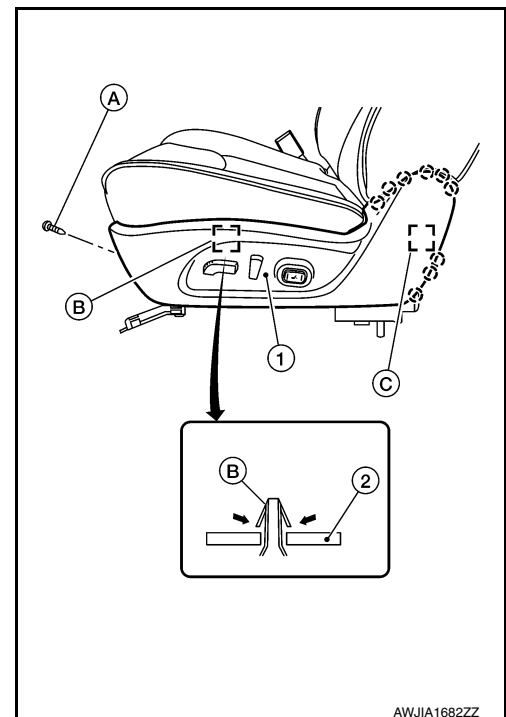
CAUTION:

- Before servicing, turn the ignition switch OFF, disconnect both battery terminals then wait at least three minutes.
- Always work from the side or back of the seatback, do not work in front of seat.
- Do not use air tools or electric tools for servicing the seat assembly.
- Do not insert any objects into the side air bag module.
- Do not attempt to disassemble the side air bag module.
- Do not expose the side air bag module to temperatures exceeding 90°C (194°F).
- Do not expose the side air bag module to any oil, grease, detergent or water.
- During disassembly, do not damage the seatback board, connectors, retainers, clips, module harness or the side air bag module.

NOTE:

- If the vehicle has been involved in a collision and the side air bag module has deployed, the seatback must be replaced.
- Front seat (LH) shown; front seat (RH) similar.

1. Remove front seat. Refer to [SE-123. "Removal and Installation"](#).
2. Remove the seat hinge cover. Refer to [SE-125. "Seat Hinge Cover"](#).
3. Press the headrest holder lock button and lift headrest up to remove from the seat back assembly.
4. Remove the seat cushion outer finisher (LH) (1).
 - a. For power seat:
 - i. Remove screw (A).
 - ii. Release metal clip (B) from the seat frame assembly (2), as shown.
 - : Metal clip
 - iii. Release pawls and metal clip (C), then remove.
 - : Pawl
 - : Metal clip

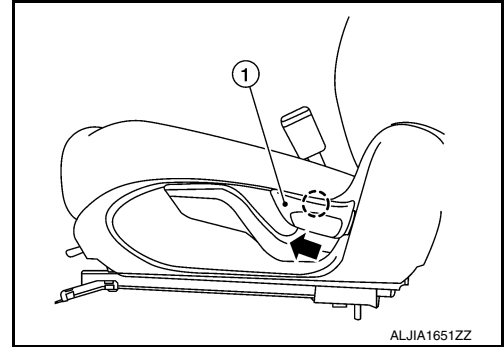


AWJIA168ZZ

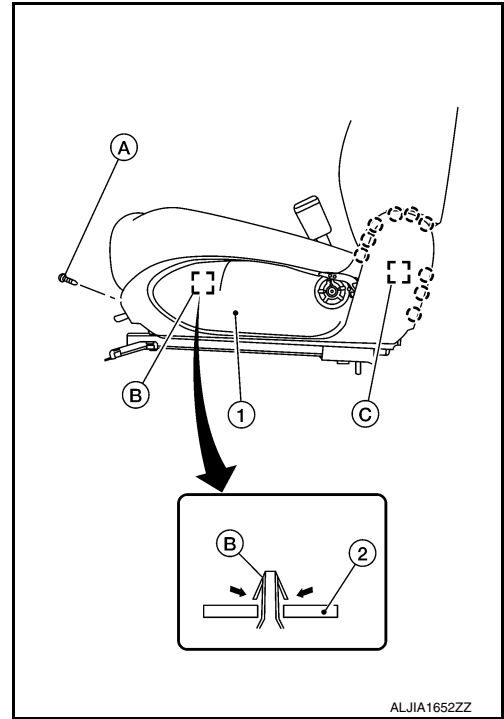
FRONT SEAT

< UNIT DISASSEMBLY AND ASSEMBLY >

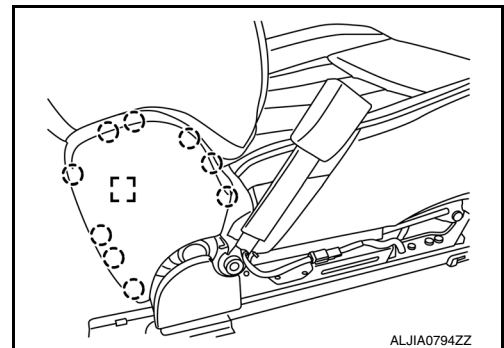
- iv. Disconnect the harness connectors from the power seat switch and the lumbar support switch (if equipped).
 - b. For manual seat:
 - i. Release pawl and remove recline lever (1) as shown (←).
- : Pawl



- ii. Remove screws and lift lever.
 - iii. Release metal clip (B) from the seat frame assembly (1), as shown.
- : Metal clip
- iv. Release pawls and metal clip (C), then remove.
- : Pawl
□: Metal clip



- 5. Release pawls and metal clip, and remove the seat cushion outer finisher (RH).
- : Pawl
□: Metal clip



- 6. Unclip the side air bag module harness from the seat frame assembly.
NOTE:
Take note of harness routing and attachment location for correct installation.
- 7. Disconnect the harness connector from the lumbar support motor (if equipped) and unclip the harness from the seatback assembly.
NOTE:
Take note of harness routing and attachment location for correct installation.
- 8. Disconnect the harness connector for the seatback heater (if equipped).

FRONT SEAT

< UNIT DISASSEMBLY AND ASSEMBLY >

NOTE:

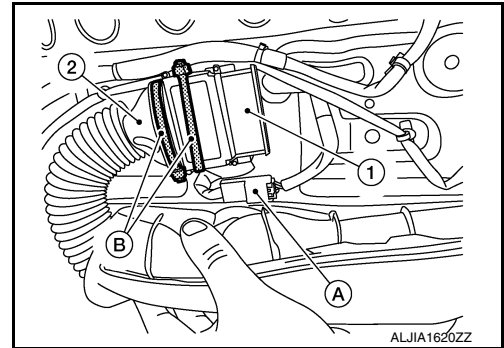
Take note of harness routing and attachment location for correct installation.

9. Disconnect the harness connector from the seatback thermal electric device (if equipped) and unclip the harness from the seatback assembly.

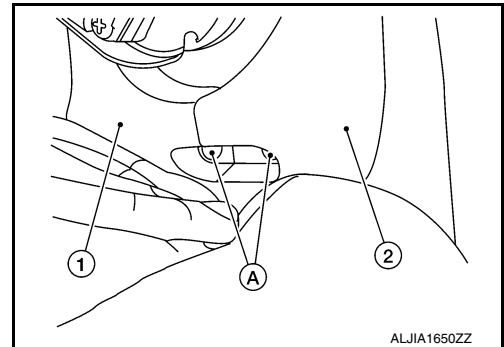
NOTE:

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

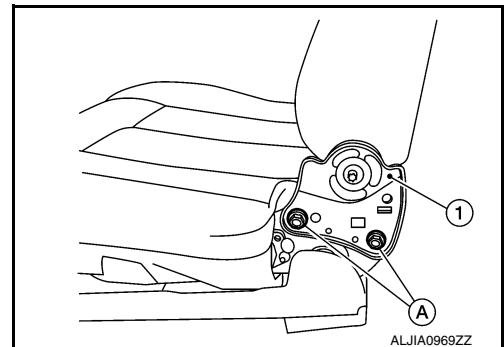
10. Reposition seatback pad, then disconnect the harness connector (A) from the seatback thermal electric device (1).
11. Remove the tie straps (B) and seatback thermal electric device (1) from the upper blower duct (2) and seatback frame.



12. Reposition seat cushion assembly and remove screws (A), then remove the seat cushion inner finisher (LH/RH) (front) (1) and seat cushion inner finisher (LH/RH) (rear) (2).

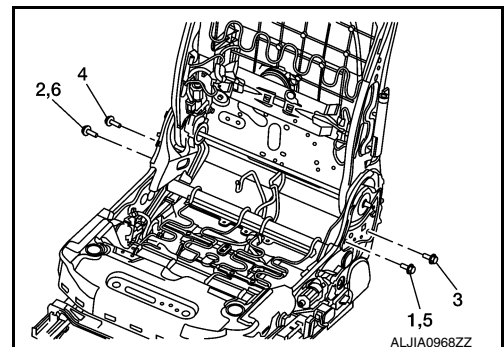


13. Remove bolts (A) on both sides of the seatback assembly (1).



ASSEMBLY

- Install all seatback assembly bolts and tighten evenly in the order shown.
- Tighten the seatback assembly bolts to specification. Refer to [SE-145, "Exploded View"](#).



CAUTION:

- Always route side air bag module harness in original location. Replace any deformed or damaged clips with same type and color. Always install clips in the original location in the harness.

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

FRONT SEAT

< UNIT DISASSEMBLY AND ASSEMBLY >

- After work is completed, check that no system malfunction is detected causing the air bag warning lamp to illuminate.
- If a malfunction is detected by the air bag warning lamp after repair or replacement of the malfunction parts, perform the SRS final check. Refer to [SRC-17. "SRS Final Check"](#).

Seat Cushion

INFOID:000000012876517

DISASSEMBLY

WARNING:

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

CAUTION:

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

NOTE:

Front seat (LH) shown; front seat (RH) similar.

1. Remove the front seat. Refer to [SE-123. "Removal and Installation"](#).

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

a. For power seat:

i. Remove screw (A).

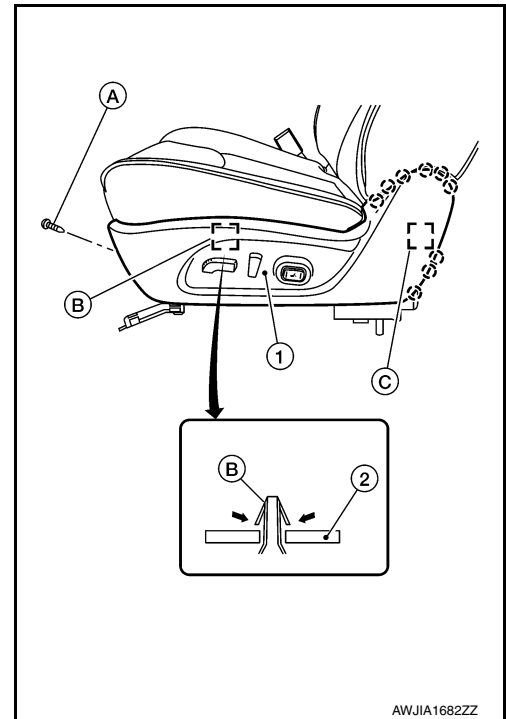
ii. Release metal clip (B) from the seat frame assembly (2), as shown.

☐: Metal clip

iii. Release pawls and metal clip (C), then remove.

○: Pawl

☐: Metal clip

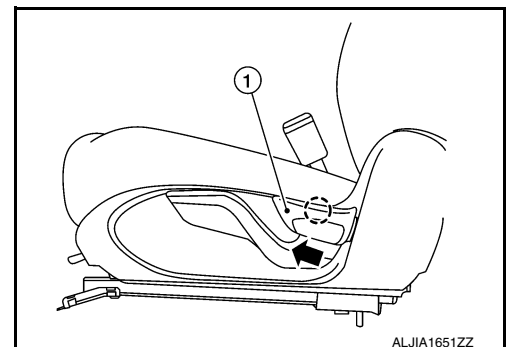


iv. Disconnect the harness connectors from the power seat switch and the lumbar support switch (if equipped).

b. For manual seat:

i. Release pawl and remove recline lever (1) as shown (←).

○: Pawl




FRONT SEAT

< UNIT DISASSEMBLY AND ASSEMBLY >

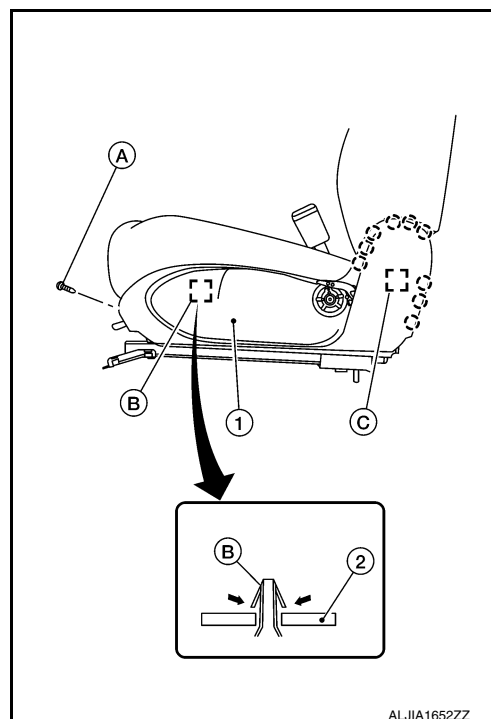
- ii. Remove screws and lift lever.
- iii. Release metal clip (B) from the seat frame assembly (1), as shown.

 Metal clip


- iv. Release pawls and metal clip (C), then remove.

 Pawl

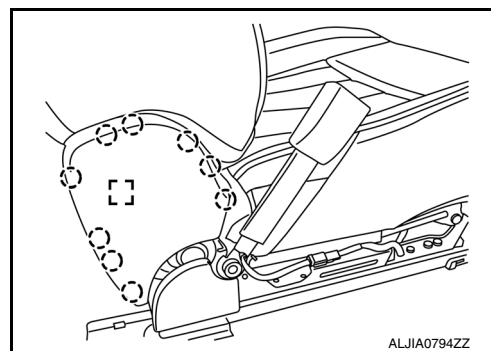
 Metal clip



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

 Pawl

 Metal clip



4. Release the two rear hinge cover J-clips (A) from the lower rear cover.
5. Release the five seat cushion J-clips holding the seat cushion trim to the seat frame assembly.
6. Remove the four screws and the lower rear cover.
7. Remove the seat cushion trim and seat cushion pad as an assembly from the seat frame assembly.
8. Remove the hog rings and separate the seat cushion trim and seat cushion pad.

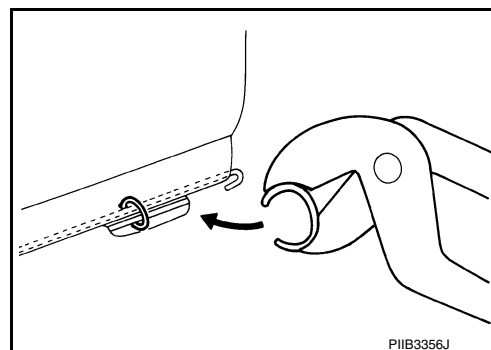
NOTE:

Remove all pieces of hog rings and discard them.

ASSEMBLY

Assembly is in the reverse order of disassembly.

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

FRONT SEAT

< UNIT DISASSEMBLY AND ASSEMBLY >

- Always route side air bag module harness in original location. Replace any deformed or damaged clips with same type and color. Always install clips in the original location in the harness.
- After work is completed, check that no system malfunction is detected causing the air bag warning lamp to illuminate.
- If a malfunction is detected by the air bag warning lamp after repair or replacement of the malfunction parts, perform the SRS final check. Refer to [SRC-17, "SRS Final Check"](#).

SECOND ROW SEAT

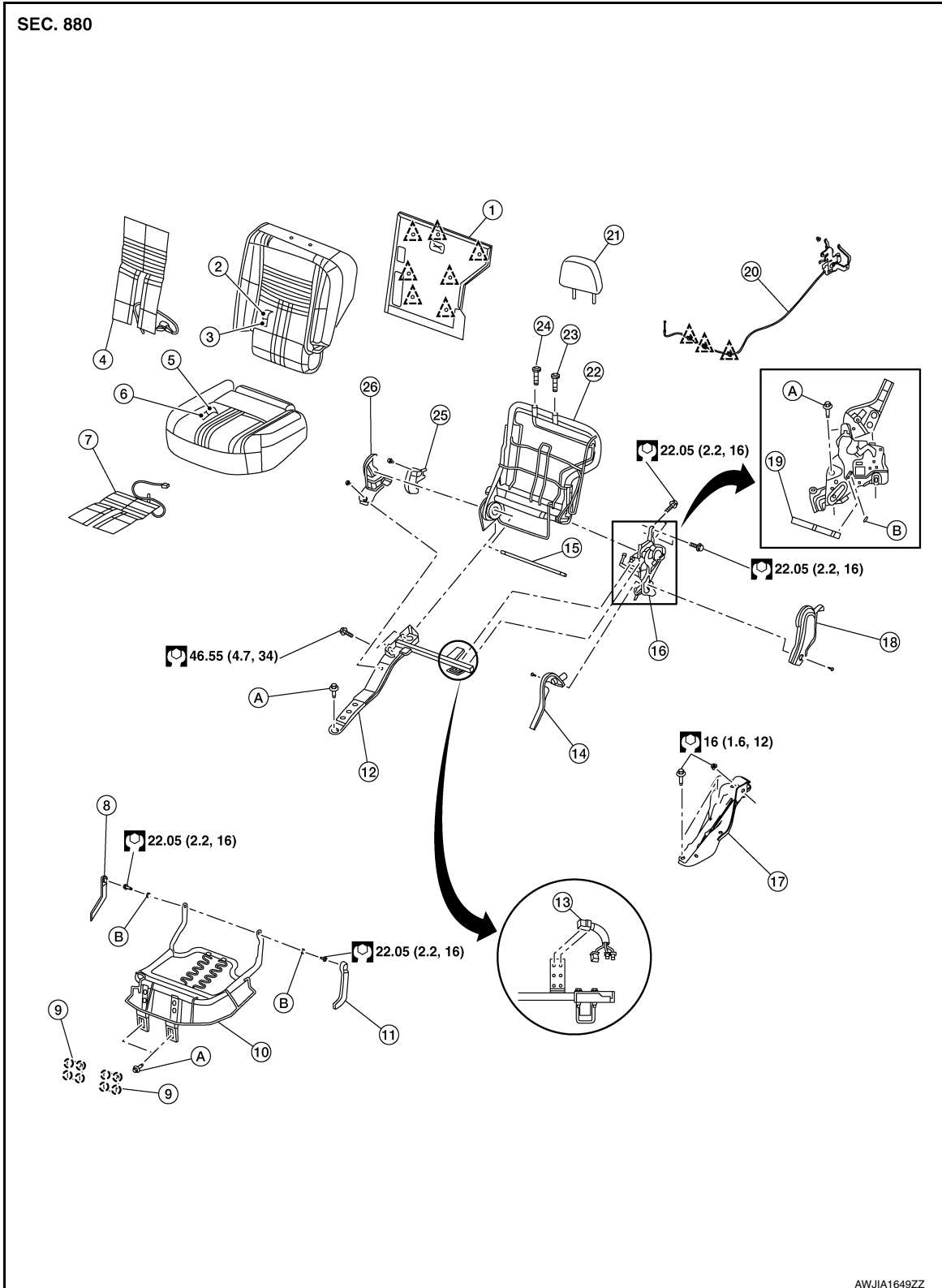
< UNIT DISASSEMBLY AND ASSEMBLY >

SECOND ROW SEAT

Exploded View

INFOID:000000012876518



LH SEAT



- | | | |
|---------------------------------------|----------------------|---------------------|
| 1. Seatback board | 2. Seatback trim | 3. Seatback pad |
| 4. Seatback heater unit (if equipped) | 5. Seat cushion trim | 6. Seat cushion pad |

SECOND ROW SEAT

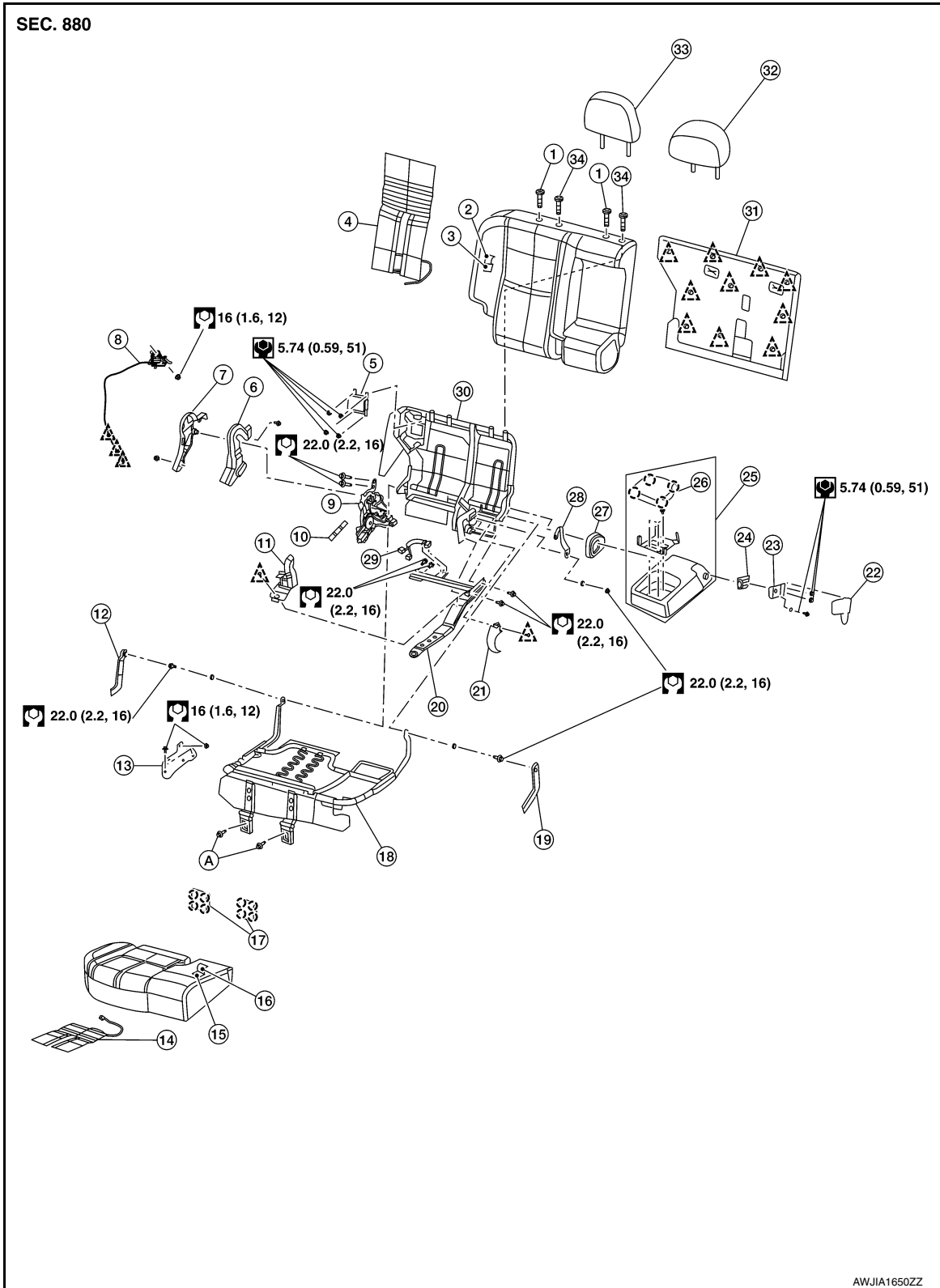
< UNIT DISASSEMBLY AND ASSEMBLY >

- | | | |
|---|--|--|
| 7. Seat Cushion heater unit (if equipped) | 8. Seat cushion link cover (RH) | 9. Seat cushion hinge cover |
| 10. Seat cushion frame | 11. Seat cushion link cover (LH) | 12. LATCH bracket |
| 13. Seat harness (LH) | 14. Reclining device inner cover (LH) | 15. Reclining device connecting rod |
| 16. Reclining device assembly | 17. Seat bracket | 18. Reclining device outer cover (LH) |
| 19. Pull strap | 20. Recline release cable assembly | 21. Headrest |
| 22. Seatback frame | 23. Headrest holder (locked) | 24. Headrest holder (free) |
| 25. Reclining device inner cover (RH) | 26. Reclining device outer cover (RH) | A. Refer to INSTALLATION |
| B. Grommet |  Clip |  Pawl |

SECOND ROW SEAT

< UNIT DISASSEMBLY AND ASSEMBLY >

RH SEAT



- | | | |
|---|-----------------------------------|---|
| 1. Headrest holder (free) | 2. Seatback trim | 3. Seatback pad |
| 4. Seatback heater unit | 5. Dampener | 6. Reclining device inner finisher (RH) |
| 7. Reclining device outer finisher (RH) | 8. Recline release cable assembly | 9. Reclining device assembly |
| 10. Pull strap | 11. Reclining device front cover | 12. Seat cushion link cover (RH) |

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

SECOND ROW SEAT

< UNIT DISASSEMBLY AND ASSEMBLY >

- | | | |
|---|--|--|
| 13. Seat bracket | 14. Seat cushion heater unit (if equipped) | 15. Seat cushion pad |
| 16. Seat cushion trim | 17. Seat cushion hinge cover | 18. Seat cushion frame |
| 19. LATCH bracket | 20. Seat cushion link cover (LH) | 21. Reclining device inner finisher (RH) |
| 22. Armrest bracket outer finisher (LH) | 23. Armrest outer bracket | 24. Armrest bracket inner finisher (LH) |
| 25. Armrest assembly | 26. Cup holder | 27. Armrest bracket finisher (RH) |
| 28. Armrest inner bracket | 29. Seat harness | 30. Seatback frame |
| 31. Seatback board | 32. Headrest (center) | 33. Headrest (RH) |
| 34. Headrest holder (locked) | A. Refer to INSTALLATION | △ : Clip |

○ Pawl

LH SEAT

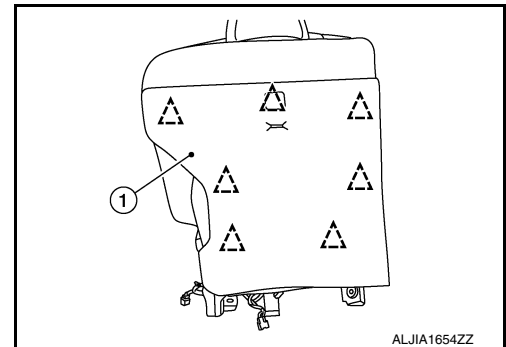
LH SEAT : Seatback

INFOID:0000000012876519

DISASSEMBLY

1. Remove the LH seat. Refer to [SE-135, "Removal and Installation"](#).
2. Remove the LH seat cushion. Refer to [SE-138, "Seat Cushion"](#).
3. Release clips and remove seatback board (1).

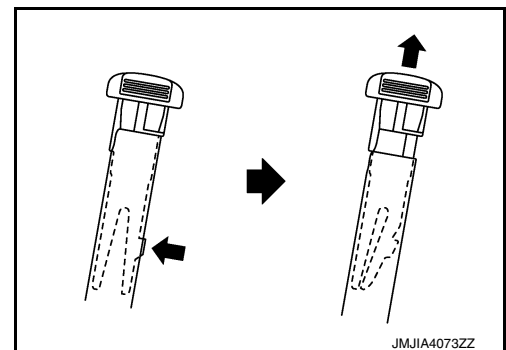
△ : Clip



4. Release the seatback heater harness (if equipped) from all attachments and route through seatback trim.
NOTE:
Take note of harness routing and attachment locations for correct installation.
5. Remove the headrest (LH).
6. Reach up behind the seatback pad, release the headrest holder locks as shown and remove the headrest holders.

CAUTION:

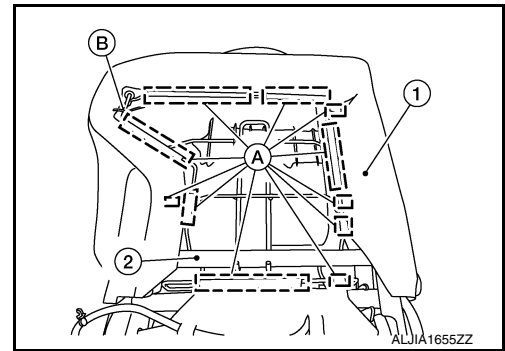
Before removing/installing headrest holder, check its orientation (front/rear and right/left).



SECOND ROW SEAT

< UNIT DISASSEMBLY AND ASSEMBLY >

7. Remove the seatback pad and seatback trim (1).
 - a. Release the J-clip retainer (A) at the rear lower edge of seatback.
 - b. Remove the tie strap (B) from the seat frame assembly.
 - c. Remove the seatback pad and seatback trim as an assembly from the seat frame assembly (2).



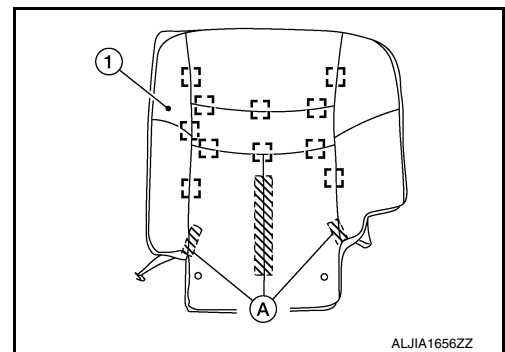
8. Remove screw and reclining device outer cover (LH) (if necessary).
9. Remove screw, then release clip and pawls and remove reclining device outer cover (RH) (if necessary).
10. Remove screw, then release clip and remove recline device inner cover (RH) from seat frame assembly (if necessary).
11. Separate the seatback trim (1) from the seatback pad.

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

NOTE:

Remove all pieces of hog rings and discard them.

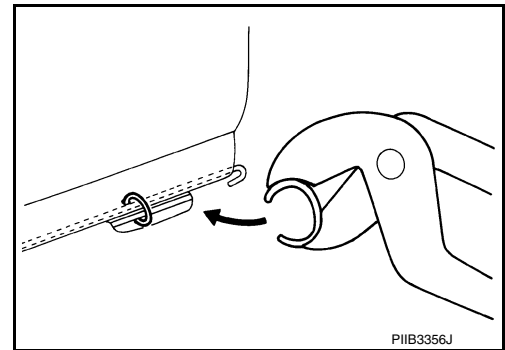
 Hog ring



ASSEMBLY

Assembly is in the reverse order of disassembly.

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



LH SEAT : Seat Cushion

INFOID:000000012876520

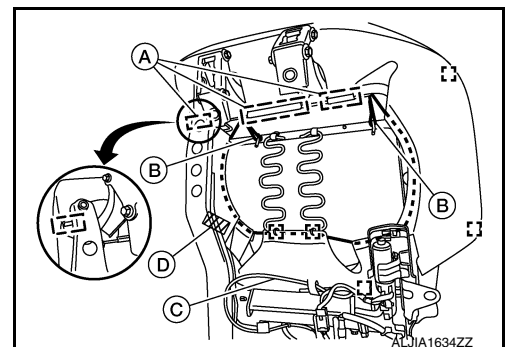
DISASSEMBLY

1. Remove the LH seat cushion. Refer to [SE-138. "Seat Cushion"](#).
2. Release J-hooks (A), then hook and loop fastener (D)
3. Release string (B) from seat cushion frame and route seat cushion heater harness through seat cushion trim.
4. Remove hog rings using a suitable tool and remove seat cushion pad and trim as an assembly.

 Hog ring

NOTE:

Remove all pieces of hog rings and discard them.



SECOND ROW SEAT

< UNIT DISASSEMBLY AND ASSEMBLY >

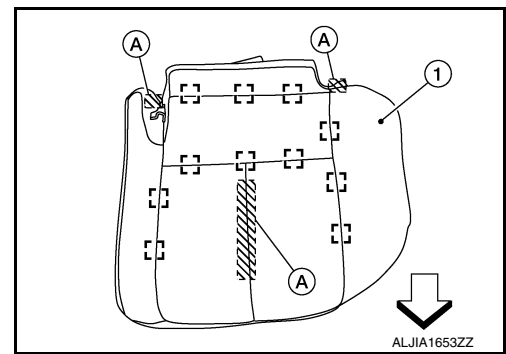
5. Separate the seat cushion trim (1) from the seat cushion pad.
 - a. Pull seat cushion trim up at front center to release hook and loop fasteners (A).
- b. Remove hog rings and separate the seat cushion trim from the seat cushion pad.

↔: Front

☐: Hog ring

NOTE:

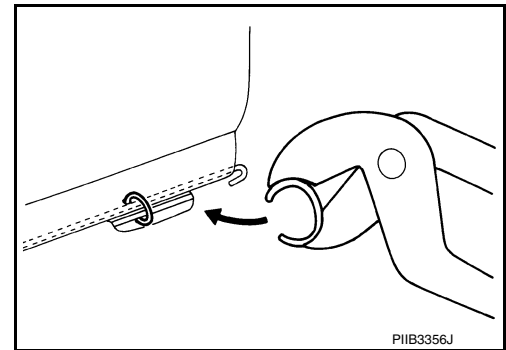
Remove all pieces of hog rings and discard them.



ASSEMBLY

Assembly is in the reverse order of disassembly.

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



RH SEAT

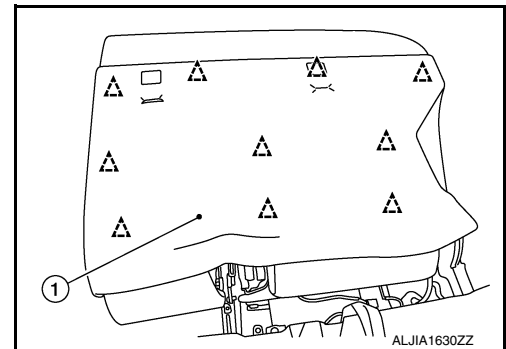
RH SEAT : Seatback

INFOID:000000012876521

DISASSEMBLY

1. Remove RH seat. Refer to [SE-135, "Removal and Installation"](#).
2. Remove RH seat cushion. Refer to [SE-138, "Seat Cushion"](#).
3. Remove armrest assembly. Refer to [SE-137, "Armrest Assembly"](#).
4. Release clips, and remove seatback board (1).

△: Clip



5. Release the seatback heater harness (if equipped) from all attachments and route through seatback trim.
NOTE:
Take note of harness routing and attachment locations for correct installation.
6. Remove the headrests (RH/center).

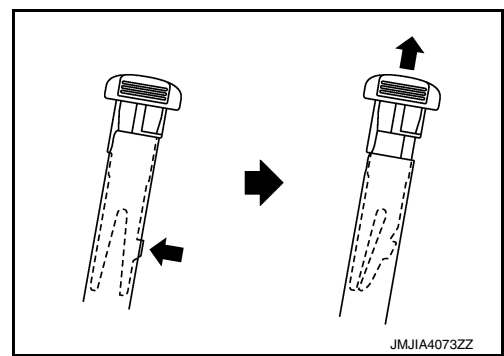
SECOND ROW SEAT

< UNIT DISASSEMBLY AND ASSEMBLY >

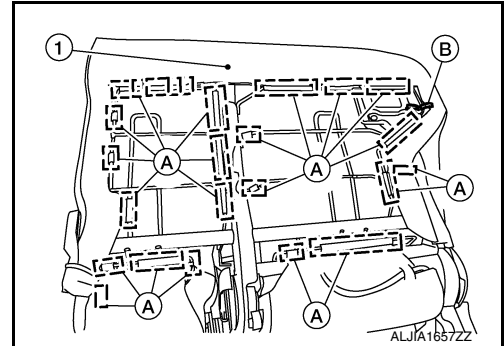
7. Reach up behind the seatback pad, release the headrest holder as shown and remove the headrest holders.

CAUTION:

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



8. Remove the seatback pad and seatback trim (1).
- Remove the tie strap (B) from the seat frame assembly.
 - Release retainer strips (A) from the seat frame assembly.
 - Remove the seatback pad and seatback trim as an assembly from the seat frame assembly.



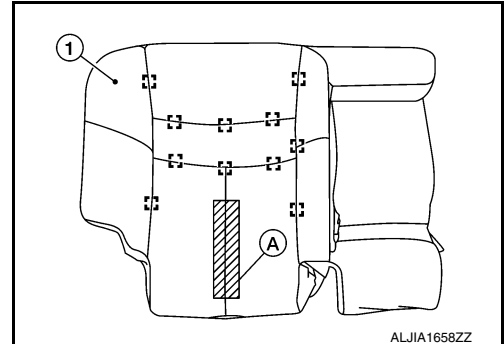
9. Remove screw and reclining device outer cover (LH) (if necessary).
10. Remove screw, then release clip and pawls and remove reclining device outer cover (RH) (if necessary).
11. Remove screw, then release clip and remove recline device inner cover (RH) from seat frame assembly (if necessary).
12. Separate the seatback trim (1) from the seatback pad.

- Pull seatback trim upward to release hook and loop fasteners (A).
- Remove hog rings and separate the seatback trim from the seatback pad.

□ : Hog ring

NOTE:

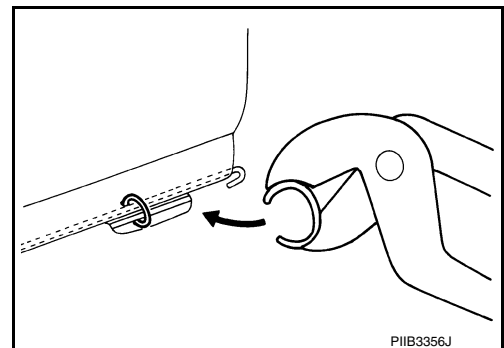
Remove all pieces of hog rings and discard them.



ASSEMBLY

Assembly is in the reverse order of disassembly.

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



RH SEAT : Seat Cushion

INFOID:000000012876522

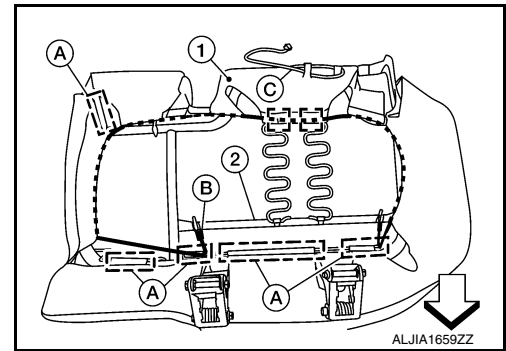
DISASSEMBLY

1. Remove RH seat cushion. Refer to [SE-138. "Seat Cushion"](#).

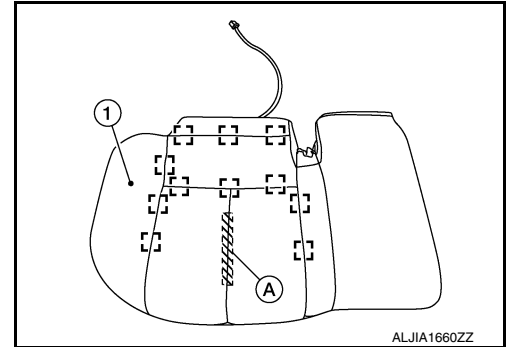
SECOND ROW SEAT

< UNIT DISASSEMBLY AND ASSEMBLY >

2. Remove the seat cushion pad and seat cushion trim (1).
 - a. Unhook string from seat cushion frame (2), then release the J-clip retainer (A).
 - b. Remove hog rings, then remove the seat cushion pad and seat cushion trim (1) as an assembly from the seat cushion frame (2).
□: Hog ring
NOTE:
Remove all pieces of hog rings and discard them.
 - c. Route the seat cushion heater harness (C) (if equipped) through the opening in the seat cushion trim.
⇐: Front



3. Separate the seat cushion trim (1) from the seat cushion pad.
 - a. Pull seat cushion trim up at front center to release hook and loop fasteners (A).
⇐: Front
 - b. Remove hog rings and separate the seat cushion trim from the seat cushion pad.
□: Hog ring
⇐: Front
NOTE:
Remove all pieces of hog rings and discard them.



ASSEMBLY

Assembly is in the reverse order of disassembly.

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

