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PRECAUTIONS

< PRECAUTION >

PRECAUTION

PRECAUTIONS

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

INFOID:000000012432026

The Supplemental Restraint System such as "AIR BAG" and "SEAT BELT PRE-TENSIONER", used along with a front seat belt, helps to reduce the risk or severity of injury to the driver and front passenger for certain types of collision. Information necessary to service the system safely is included in the SR and SB section of this Service Manual.

WARNING:

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

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

WARNING:

- When working near the Airbag Diagnosis Sensor Unit or other Airbag System sensors with the Ignition ON or engine running, DO NOT use air or electric power tools or strike near the sensor(s) with a hammer. Heavy vibration could activate the sensor(s) and deploy the air bag(s), possibly causing serious injury.
- When using air or electric power tools or hammers, always switch the Ignition OFF, disconnect the battery and wait at least three minutes before performing any service.

Precaution for Work

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

PREPARATION

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PREPARATION

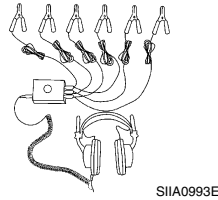
PREPARATION

Special Service Tools

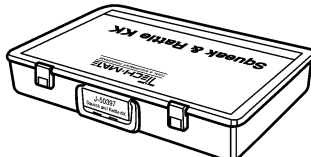
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The actual shape of the tools may differ from those illustrated here.

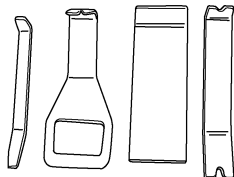
Tool number (TechMate No.) Tool name	Description
— (J-39570) Chassis Ear	Locating the noise
— (J-50397) NISSAN Squeak and Rattle Kit	Repairing the cause of noise
— (J-46534) Trim Tool Set	Removing trim components



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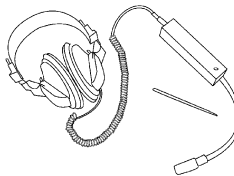


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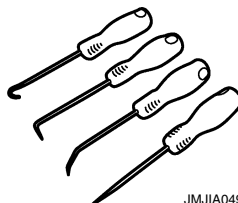
Commercial Service Tools

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



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CLIP LIST


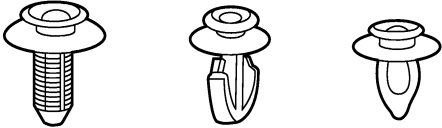


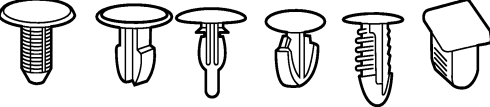
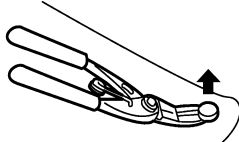

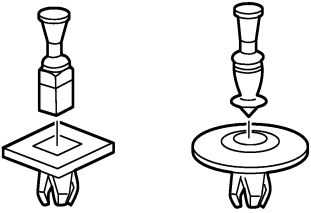
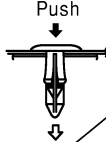
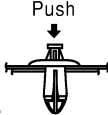

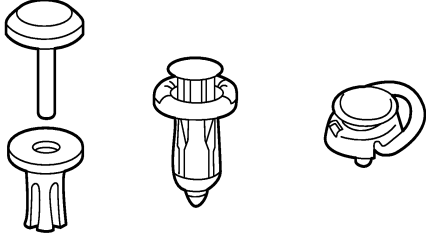
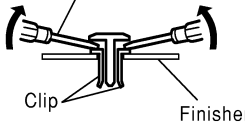

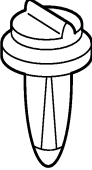
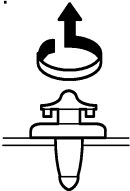
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CLIP LIST

Descriptions for Clips

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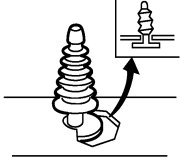
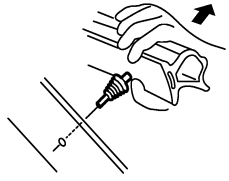

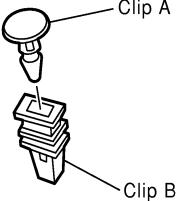
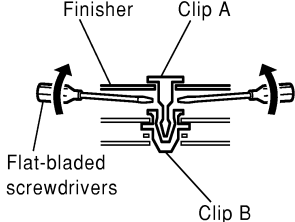

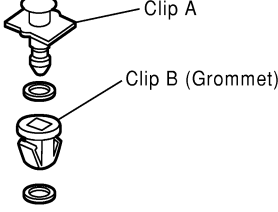
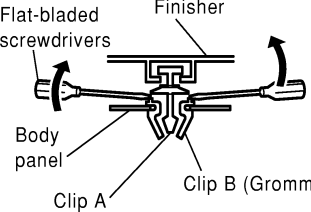


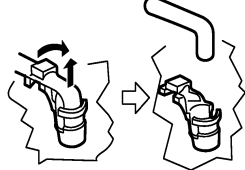

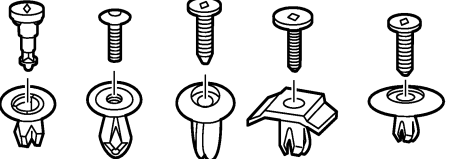

Replace any clips which are damaged during removal or installation.

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

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CLIP LIST

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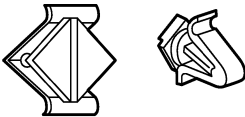

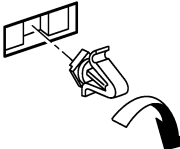

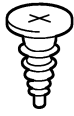



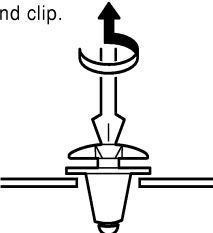


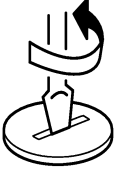
Symbol No.	Shapes	Removal & Installation
<p>CE103</p> 		<p>Removal:</p> 
<p>CF110</p> 		<p>Removal:</p> 
<p>CF118</p> 		<p>Removal:</p> 
<p>CR103</p> 		<p>Removal: Holder portion of clip must be spread out to remove rod.</p> 
<p>CS101</p> 		<p>Removal:</p> <ol style="list-style-type: none"> 1. Screw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

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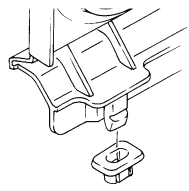
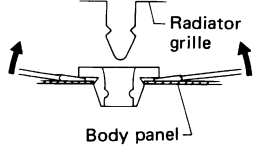
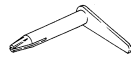
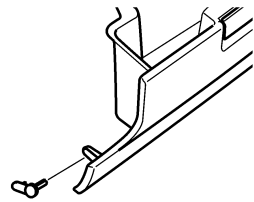
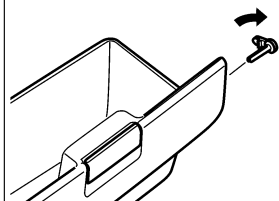

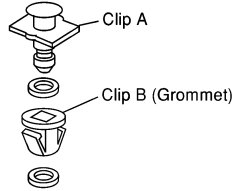
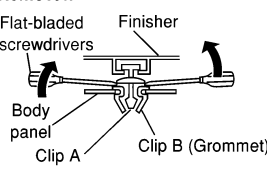
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Symbol No.	Shapes	Removal & Installation	
CG101 		Removal:  Rotate 45° to remove	Installation: 
CS102 			
CS113 		Removal: Disconnect upper connection of clip with a flat-bladed screwdriver, then remove clip while inserting a flat-bladed screwdriver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

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CLIP LIST

< PREPARATION >

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

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SQUEAK AND RATTLE TROUBLE DIAGNOSES

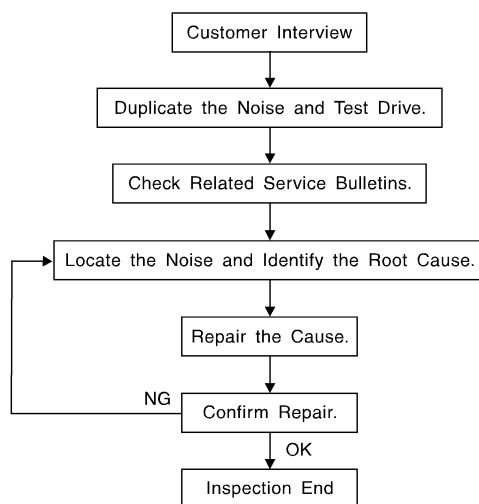
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SYMPTOM DIAGNOSIS

SQUEAK AND RATTLE TROUBLE DIAGNOSES

Work Flow

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CUSTOMER INTERVIEW

Interview the customer if possible, to determine the conditions that exist when the noise occurs. Use the Diagnostic Worksheet during the interview to document the facts and conditions when the noise occurs and any customer's comments; refer to [SE-12, "Diagnostic Worksheet"](#). This information is necessary to duplicate the conditions that exist when the noise occurs.

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

DUPLICATE THE NOISE AND TEST DRIVE

SQUEAK AND RATTLE TROUBLE DIAGNOSES

< SYMPTOM DIAGNOSIS >

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

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

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

CHECK RELATED SERVICE BULLETINS

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

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

LOCATE THE NOISE AND IDENTIFY THE ROOT CAUSE

1. Narrow down the noise to a general area. To help pinpoint the source of the noise, use a listening tool (Chassis Ear: J-39570, Engine Ear: J-39565 and mechanic's stethoscope).
2. Narrow down the noise to a more specific area and identify the cause of the noise by:
 - removing the components in the area that you suspect the noise is coming from.
Do not use too much force when removing clips and fasteners, otherwise clips and fasteners can be broken or lost during the repair, resulting in the creation of new noise.
 - tapping or pushing/pulling the component that you suspect is causing the noise.
Do not tap or push/pull the component with excessive force, otherwise the noise will be eliminated only temporarily.
 - feeling for a vibration with your hand by touching the component(s) that you suspect is (are) causing the noise.
 - placing a piece of paper between components that you suspect are causing the noise.
 - looking for loose components and contact marks.Refer to [SE-9, "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:000000012432032

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

SQUEAK AND RATTLE TROUBLE DIAGNOSES

< SYMPTOM DIAGNOSIS >

INSTRUMENT PANEL

Most incidents are caused by contact and movement between:

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

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

CAUTION:

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

CENTER CONSOLE

Components to pay attention to include:

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

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

DOORS

Pay attention to the:

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

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

TRUNK

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

In addition look for:

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

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

SUNROOF/HEADLINING

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

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

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

OVERHEAD CONSOLE (FRONT AND REAR)

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

In addition look for:

SQUEAK AND RATTLE TROUBLE DIAGNOSES

< SYMPTOM DIAGNOSIS >

1. Loose harness or harness connectors.
2. Front console map/reading lamp lens loose.
3. Loose screws at console attachment points.

A

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.

B

Cause of seat noise include:

C

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

D

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.

E

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.

F

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

G

H

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

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SQUEAK AND RATTLE TROUBLE DIAGNOSES

< SYMPTOM DIAGNOSIS >

Diagnostic Worksheet

INFOID:000000012432033

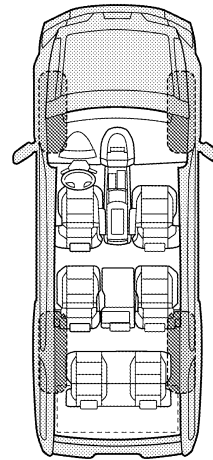
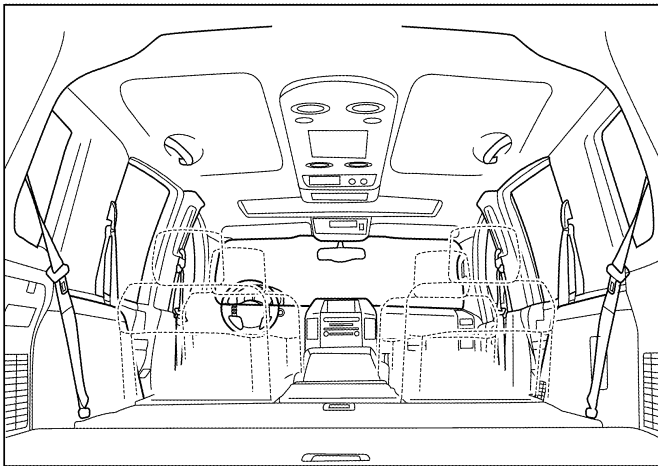
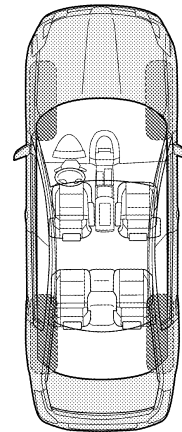
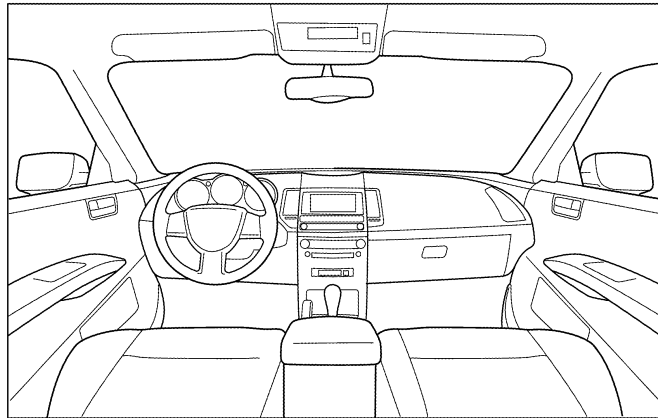
Dear Customer:

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

SQUEAK & RATTLE DIAGNOSTIC WORKSHEET

I. WHERE DOES THE NOISE COME FROM? (circle the area of the vehicle)

The illustrations are for reference only, and may not reflect the actual configuration of your vehicle.



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

SQUEAK AND RATTLE TROUBLE DIAGNOSES

< SYMPTOM DIAGNOSIS >

SQUEAK & RATTLE DIAGNOSTIC WORKSHEET - page 2

Briefly describe the location where the noise occurs:

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

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

III. WHEN DRIVING:

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

IV. WHAT TYPE OF NOISE

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

TO BE COMPLETED BY DEALERSHIP PERSONNEL

Test Drive Notes:

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

VIN: _____ Customer Name _____

W.O.# _____ Date: _____

This form must be attached to Work Order

LAIA0071E

HEATED SEAT SYSTEM

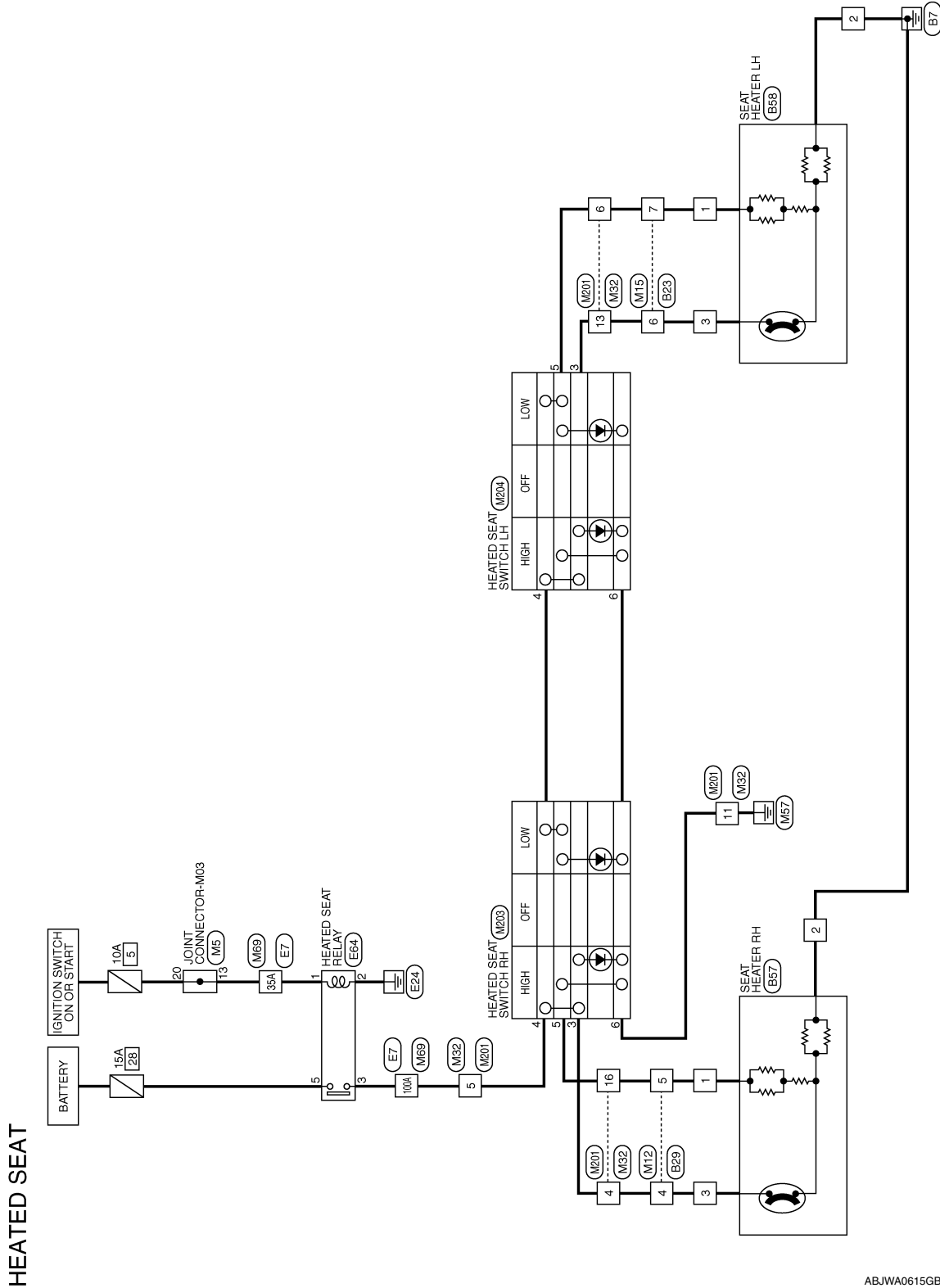
< WIRING DIAGRAM >

WIRING DIAGRAM

HEATED SEAT SYSTEM

Wiring Diagram

INFOID:000000012432034



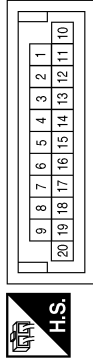
ABJWA0615GB

HEATED SEAT SYSTEM

< WIRING DIAGRAM >

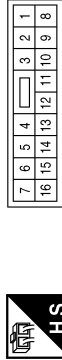
HEATED SEAT CONNECTORS

Connector No.	M5
Connector Name	JOINT CONNECTOR-M03
Connector Color	WHITE



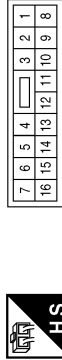
Terminal No.	Color of Wire	Signal Name
13	P	-
20	BG	-

Connector No.	M12
Connector Name	WIRE TO WIRE
Connector Color	WHITE



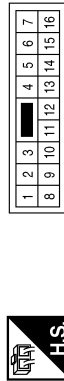
Terminal No.	Color of Wire	Signal Name
4	GR	-
5	BR	-

Connector No.	M15
Connector Name	WIRE TO WIRE
Connector Color	WHITE



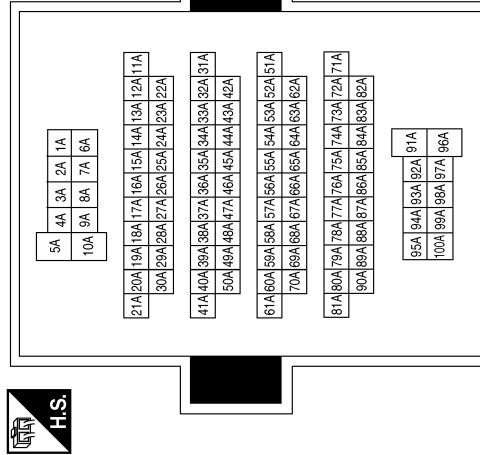
Terminal No.	Color of Wire	Signal Name
6	V	-
7	Y	-

Connector No.	M32
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
4	GR	-
5	G	-
6	Y	-
11	B/W	-
13	V	-
16	BR	-

Connector No.	M69
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
35A	P	-
100A	G	-

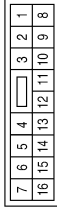
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HEATED SEAT SYSTEM

< WIRING DIAGRAM >

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



Terminal No.	Color of Wire	Signal Name
4	GR	-
5	G	-
6	Y	-
11	GR	-
13	V	-
16	BR	-

Connector No.	M203
Connector Name	HEATED SEAT SWITCH RH
Connector Color	BROWN



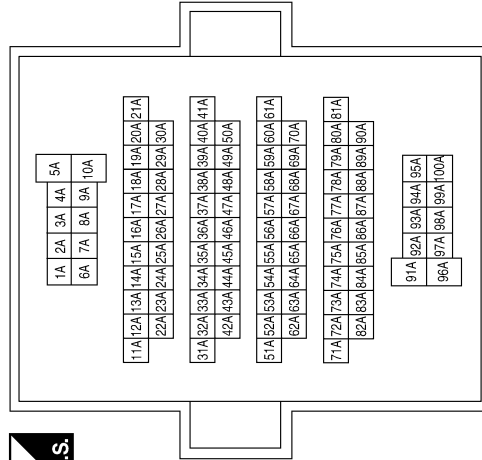
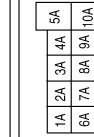
Terminal No.	Color of Wire	Signal Name
3	GR	-
4	G	-
5	BR	-
6	GR,B	-

Connector No.	M204
Connector Name	HEATED SEAT SWITCH LH
Connector Color	WHITE



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

Connector No.	E7
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
35A	Y	-
100A	G	-

Connector No.	E64
Connector Name	HEATED SEAT RELAY
Connector Color	BLUE





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

HEATED SEAT SYSTEM


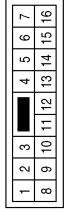
< WIRING DIAGRAM >

Connector No.	B57
Connector Name	SEAT HEATER RH
Connector Color	GRAY


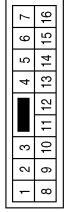
Terminal No.	Color of Wire	Signal Name
1	BG	-
2	B	-
3	GR	-

Connector No.	B29
Connector Name	WIRE TO WIRE
Connector Color	WHITE



Terminal No.	Color of Wire	Signal Name
4	GR	-
5	BG	-

Connector No.	B23
Connector Name	WIRE TO WIRE
Connector Color	WHITE

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

Connector No.	B58
Connector Name	SEAT HEATER LH
Connector Color	GRAY

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

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FRONT SEAT

< REMOVAL AND INSTALLATION >

REMOVAL AND INSTALLATION

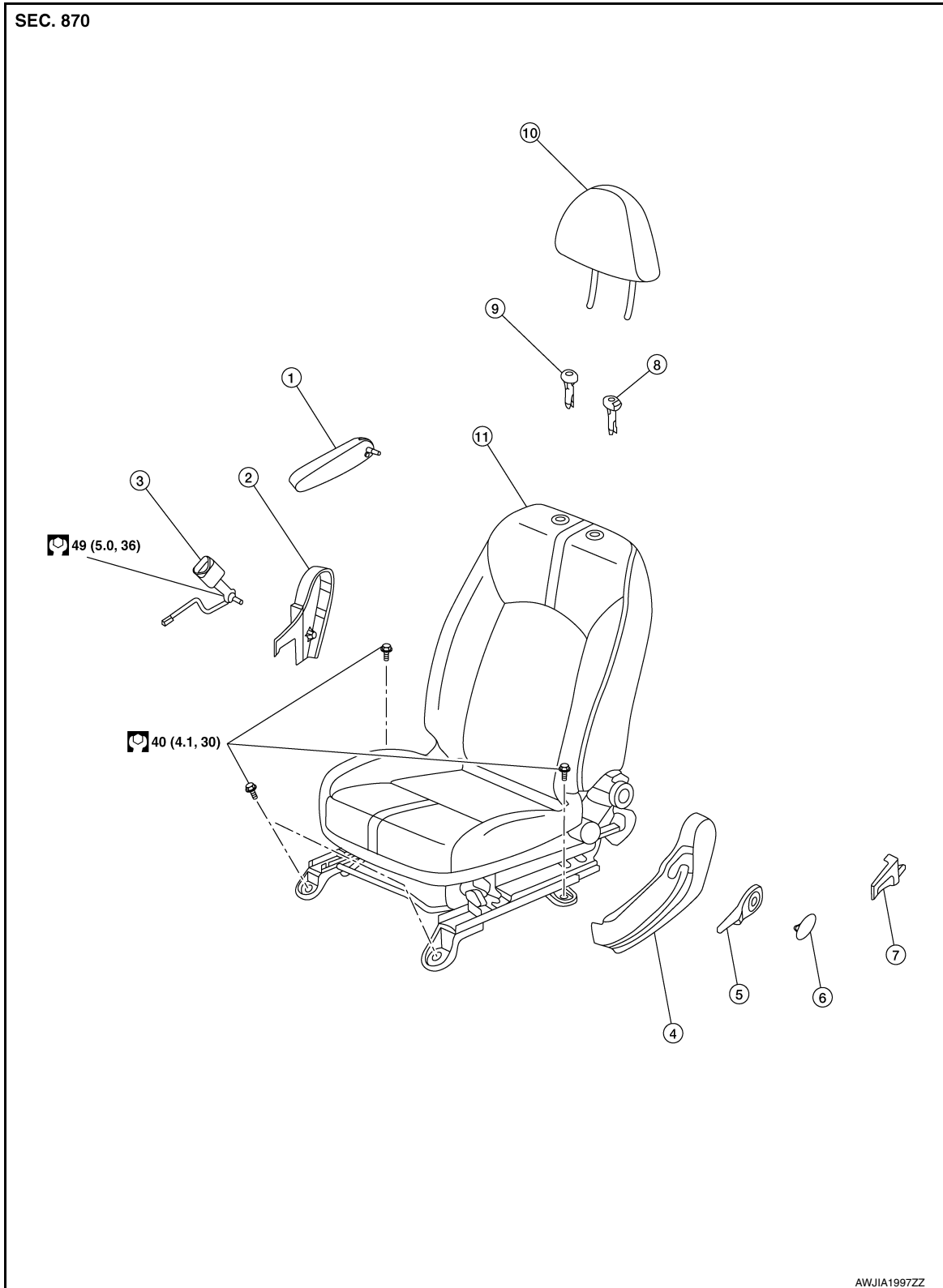
FRONT SEAT

DRIVER SIDE

DRIVER SIDE : Exploded View

INFOID:000000012432035

DRIVER SEAT WITH LIFT AND ARMREST

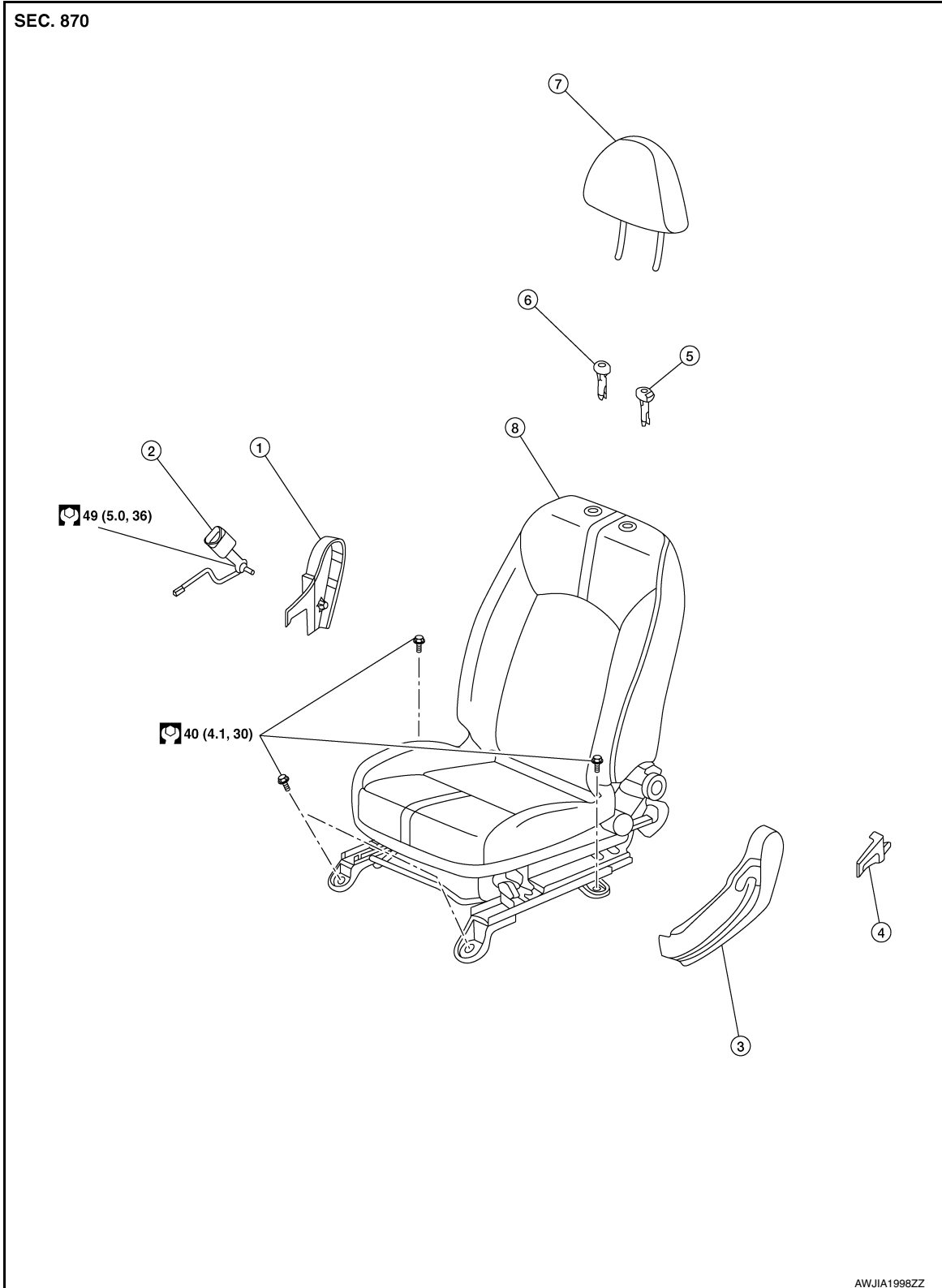


FRONT SEAT

< REMOVAL AND INSTALLATION >

- | | | |
|-------------------------------------|-------------------------------------|---------------------------|
| 1. Armrest | 2. Seat cushion outer finisher (RH) | 3. Seat belt buckle |
| 4. Seat cushion outer finisher (LH) | 5. Lift lever | 6. Lift lever cap |
| 7. Recline lever | 8. Headrest holder (locked) | 9. Headrest holder (free) |
| 10. Headrest | 11. Seat assembly | |

DRIVER SEAT WITHOUT LIFT AND ARMREST



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FRONT SEAT

< REMOVAL AND INSTALLATION >

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|-------------------------------------|-----------------------------|-------------------------------------|
| 1. Seat cushion outer finisher (RH) | 2. Seat belt buckle | 3. Seat cushion outer finisher (LH) |
| 4. Recline lever | 5. Headrest holder (locked) | 6. Headrest holder (free) |
| 7. Headrest | 8. Seat assembly | |

DRIVER SIDE : Removal and Installation

INFOID:000000012432036

WARNING:

- Do not leave any objects (screwdrivers, tools, etc.) on the seat during repair. It can lead to personal injury if the side air bag module should accidentally deploy.
- 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.
- Do not drop, tilt, or bump the side air bag module while installing the seat. Always handle it with care.
- After the side air bag module inflates, the front seat frame must be replaced.
- Before removing the front seat, turn the ignition switch OFF, disconnect both battery cables then wait at least three minutes.

CAUTION:

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

REMOVAL

1. Disconnect negative and positive battery terminals, then wait at least three minutes. Refer to [PG-70. "Removal and Installation \(Battery\)"](#).
2. Slide the seat to the full forward position.
3. Remove the seat rear bolts.
4. Slide the seat to the full rearward position.
5. Remove the seat front bolts.
6. Tilt the seat rearward and disconnect the harness connectors from the seat and remove.

INSTALLATION

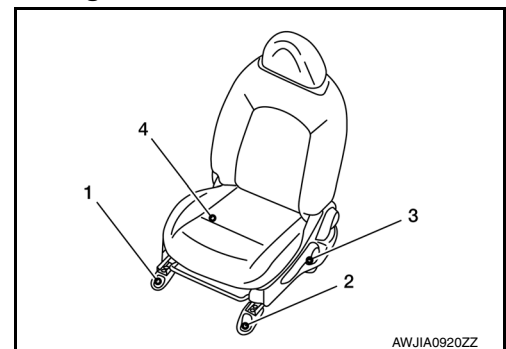
Installation is in the reverse order of removal.

CAUTION:

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

When installing the driver side front seat, tighten the bolts in the order shown.

Driver side front seat bolt : 40 Nm (4.1 kg-m, 30 ft-lb) torque



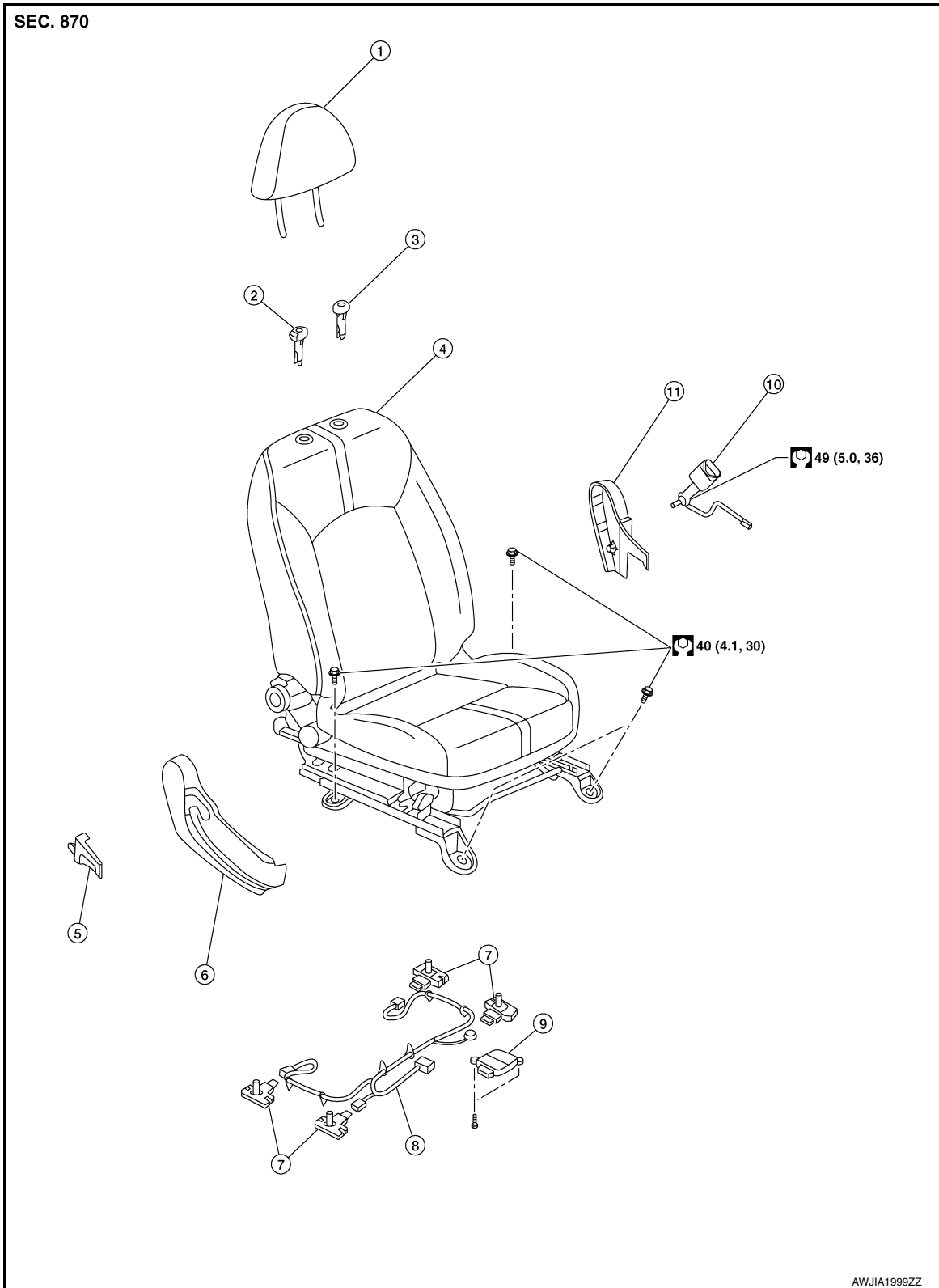
PASSENGER SIDE

FRONT SEAT

< REMOVAL AND INSTALLATION >

PASSENGER SIDE : Exploded View

INFOID:000000012829361



- 1. Headrest
- 4. Seat assembly

- 2. Headrest holder (free)
- 5. Recline lever

- 3. Headrest holder (locked)
- 6. Seat cushion outer finisher (RH)

FRONT SEAT

< REMOVAL AND INSTALLATION >

- | | | |
|---|---|--|
| 7. Occupant classification system sensors | 8. Occupant classification system harness | 9. Occupant classification system control unit |
| 10. Seat belt buckle | 11. Seat cushion outer finisher (LH) | |

PASSENGER SIDE : Removal and Installation

INFOID:000000012432038

WARNING:

- Do not leave any objects (screwdrivers, tools, etc.) on the seat during repair. It can lead to personal injury if the side air bag module should accidentally deploy.
- 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 drop, tilt, or bump the side air bag module while installing the seat. Always handle it with care.
- After the side air bag module inflates, the front seat frame must be replaced.
- Before removing the front seat, turn the ignition switch OFF, disconnect both battery cables then wait at least three minutes.

CAUTION:

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

REMOVAL

1. Disconnect negative and positive battery terminals, then wait at least three minutes. Refer to [PG-70, "Removal and Installation \(Battery\)"](#).
2. Slide the seat to the full forward position.
3. Remove the seat rear bolts.
4. Slide the seat to the full rearward position.
5. Remove the seat front bolts.
6. Tilt the seat rearward and disconnect the harness connectors from the seat and remove.

INSTALLATION

Installation is in the reverse order of removal.

WARNING:

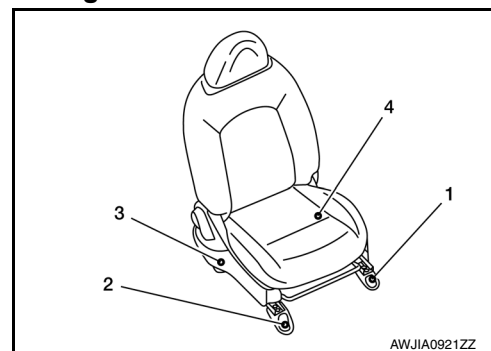
- Perform additional services when installing front passenger seat. Refer to [SRC-39, "ZERO POINT RESET : Description"](#).
- Zero point reset must be performed every time the front passenger seat is removed from the vehicle.
- Zero point reset is done after the front passenger seat is installed in vehicle and all bolts are tightened to specification.

CAUTION:

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


When installing the passenger side front seat, tighten the bolts in the order shown.

Passenger side front seat : 40 Nm (4.1 kg-m, 30 ft-lb) bolt torque



REAR SEAT

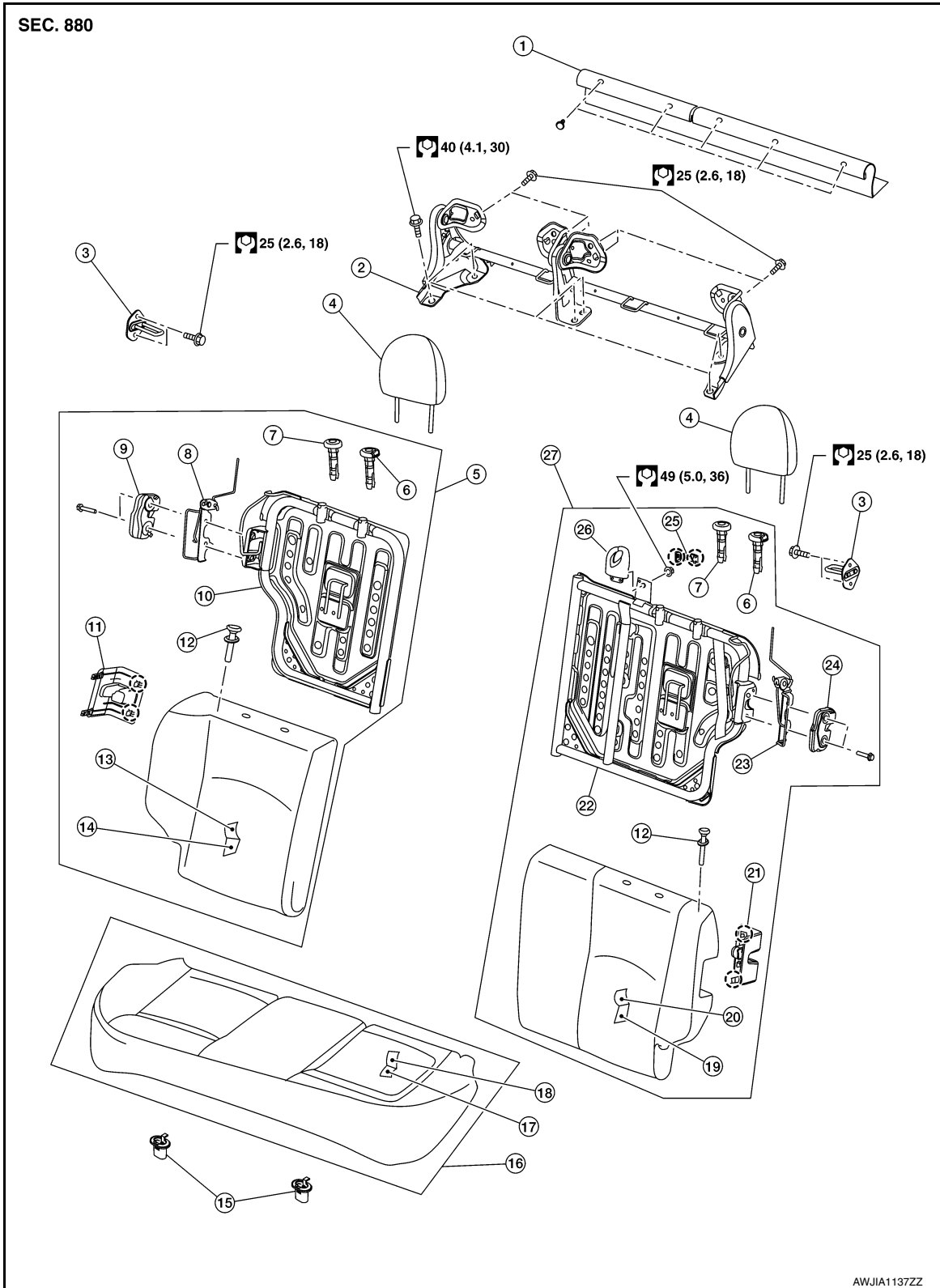
< REMOVAL AND INSTALLATION >

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|---------------------------------|---|--|
| 7. Headrest holder (free) | 8. Seatback latch bracket (RH) | 9. Seatback latch (RH) |
| 10. Seatback frame (RH) | 11. Seatback latch finisher (RH) | 12. Seatback latch release knob |
| 13. Seatback trim (RH) | 14. Seatback pad (RH) | 15. Seat cushion hook |
| 16. Seat cushion | 17. Seat cushion pad | 18. Seat cushion trim |
| 19. Cup holder | 20. Armrest | 21. Armrest hinge bracket |
| 22. Armrest pivot bolt bushing | 23. Armrest pivot bolt | 24. Armrest hinge bracket finisher (RH) |
| 25. Bushing | 26. Armrest hinge bracket finisher (LH) | 27. Seatback pad (LH) |
| 28. Seatback trim (LH) | 29. Seatback latch finisher (LH) | 30. Seatback frame (LH) |
| 31. Seatback latch bracket (LH) | 32. Seatback latch (LH) | 33. Seatbelt guide finisher |
| 34. Seat belt guide | 35. Seatback (LH) |  Pawl |

REAR SEAT

< REMOVAL AND INSTALLATION >

REAR SEAT WITHOUT ARMREST



- | | | |
|---------------------------|----------------------------------|---------------------------------|
| 1. Seatback hinge trim | 2. Seatback hinge | 3. Seatback striker |
| 4. Headrest | 5. Seatback(RH) | 6. Headrest holder (locked) |
| 7. Headrest holder (free) | 8. Seatback latch bracket (RH) | 9. Seatback latch (RH) |
| 10. Seatback frame (RH) | 11. Seatback latch finisher (RH) | 12. Seatback latch release knob |
| 13. Seatback trim (RH) | 14. Seatback pad (RH) | 15. Seat cushion hook |
| 16. Seat cushion | 17. Seat cushion pad | 18. Seat cushion trim |

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REAR SEAT

< REMOVAL AND INSTALLATION >

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|-----------------------------|---------------------------------|----------------------------------|
| 19. Seatback pad (LH) | 20. Seatback trim (LH) | 21. Seatback latch finisher (LH) |
| 22. Seatback frame (LH) | 23. Seatback latch bracket (LH) | 24. Seatback latch (LH) |
| 25. Seatbelt guide finisher | 26. Seat belt guide | 27. Seatback (LH) |

○ Pawl

SEAT CUSHION

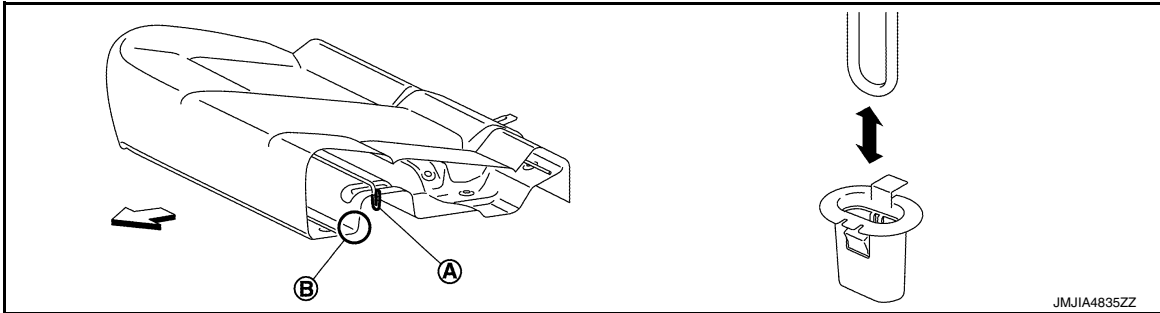
SEAT CUSHION : Removal and Installation

INFOID:000000012432042

REMOVAL

1. Lift up the seat cushion assembly front edge (B) to release it from the seat cushion hooks (A) (LH/RH) and remove.

←: Front



INSTALLATION

Installation is in the reverse order of removal.

SEATBACK

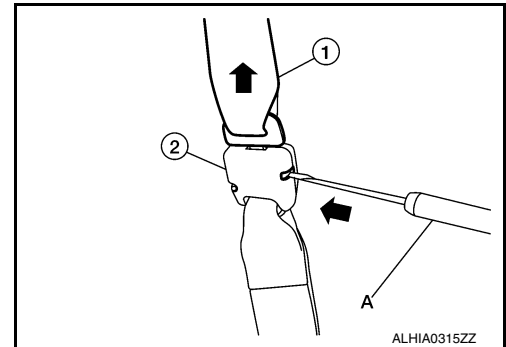
SEATBACK : Removal and Installation

INFOID:000000012432043

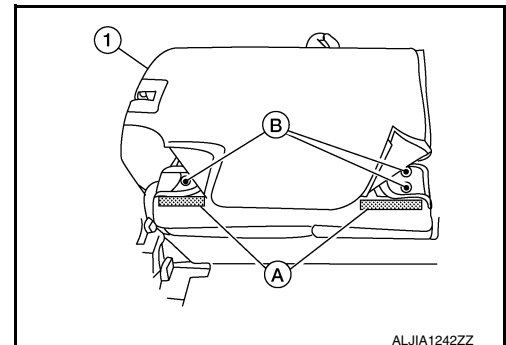
REMOVAL

Seatback (LH)

1. Release seat belt retractor (center) (1) from seat belt buckle (LH) (2) using a suitable tool (A) as shown (←).



2. Place the seatback (LH) in the folded down position.
3. Release hook fasteners (A).
4. Remove bolts (B) and the seatback (LH) (1).

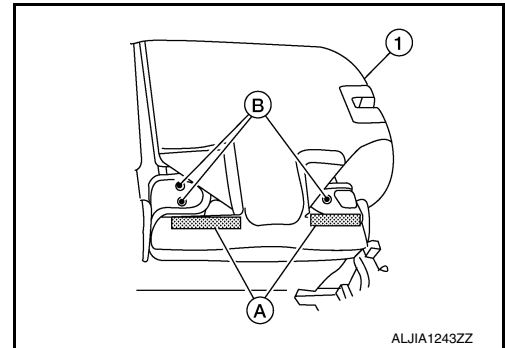


REAR SEAT

< REMOVAL AND INSTALLATION >

Seatback (RH)

1. Place the seatback (RH) in the folded down position.
2. Release hook fasteners (A).
3. Remove bolts (B) and the seatback (RH) (1).



INSTALLATION

Installation is in the reverse order of removal.

Tighten the seatback assembly bolts to specification. Refer to [SE-23, "Exploded View"](#).

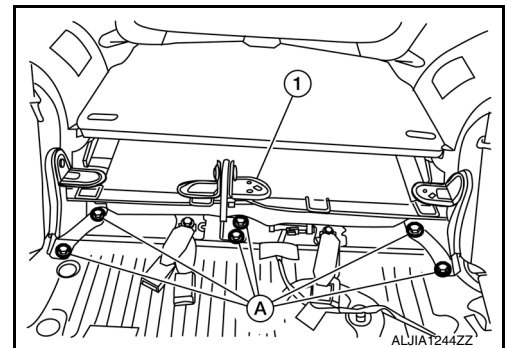
SEATBACK HINGE

SEATBACK HINGE : Removal and Installation

INFOID:000000012432044

REMOVAL

1. Remove the seatbacks (LH/RH). Refer to [SE-26, "SEATBACK : Removal and Installation"](#).
2. Remove the seat cushion. Refer to [SE-26, "SEAT CUSHION : Removal and Installation"](#).
3. Remove bolts (A) and the seatback hinge (1).



INSTALLATION

Installation is in the reverse order of removal.

Tighten the seatback hinge assembly bolts to specification. Refer to [SE-23, "Exploded View"](#).

SEATBACK STRIKER

SEATBACK STRIKER : Removal and Installation

INFOID:000000012432045

REMOVAL

1. Remove the luggage side upper finisher. Refer to [INT-35, "LUGGAGE SIDE UPPER FINISHER : Removal and Installation"](#).
2. Remove bolts and the seatback strikers.

INSTALLATION

Installation is in the reverse order of removal.

Tighten the seatback striker bolts to specification. Refer to [SE-23, "Exploded View"](#).

SEAT CUSHION HOOK

SEAT CUSHION HOOK : Removal and Installation

INFOID:000000012432046

REMOVAL

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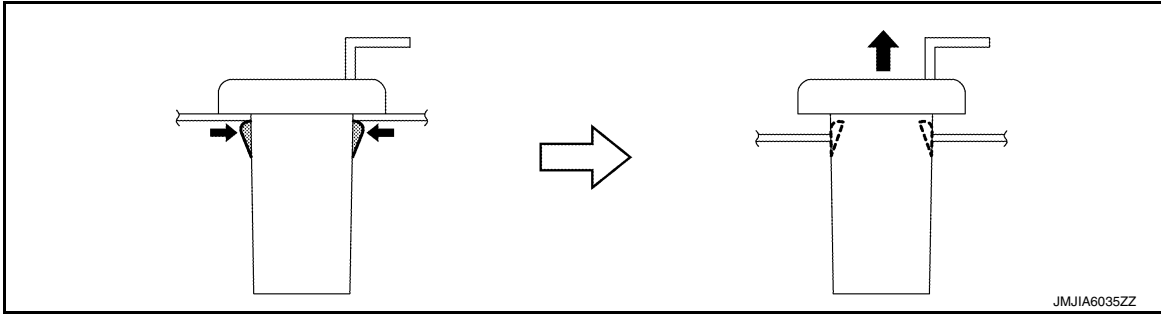
REAR SEAT

< REMOVAL AND INSTALLATION >

1. Remove the seat cushion. Refer to [SE-26. "SEAT CUSHION : Removal and Installation"](#).
2. Release the seat cushion hook pawls as shown and remove.

CAUTION:

Before removing the seat cushion hook, check its orientation (front/rear).



INSTALLATION

Installation is in the reverse order of removal.

FRONT HEATED SEAT SWITCH

< REMOVAL AND INSTALLATION >

FRONT HEATED SEAT SWITCH

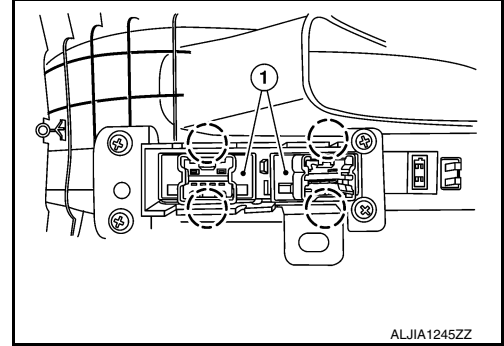
Removal and Installation

INFOID:000000012432047

REMOVAL

1. Remove the center console assembly. Refer to [IP-18. "Removal and Installation"](#).
2. Release pawls using a suitable tool and remove the front heated seat switches (1).

○: Pawl



INSTALLATION

Installation is in the reverse order of removal.

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FRONT SEAT

< UNIT DISASSEMBLY AND ASSEMBLY >

UNIT DISASSEMBLY AND ASSEMBLY

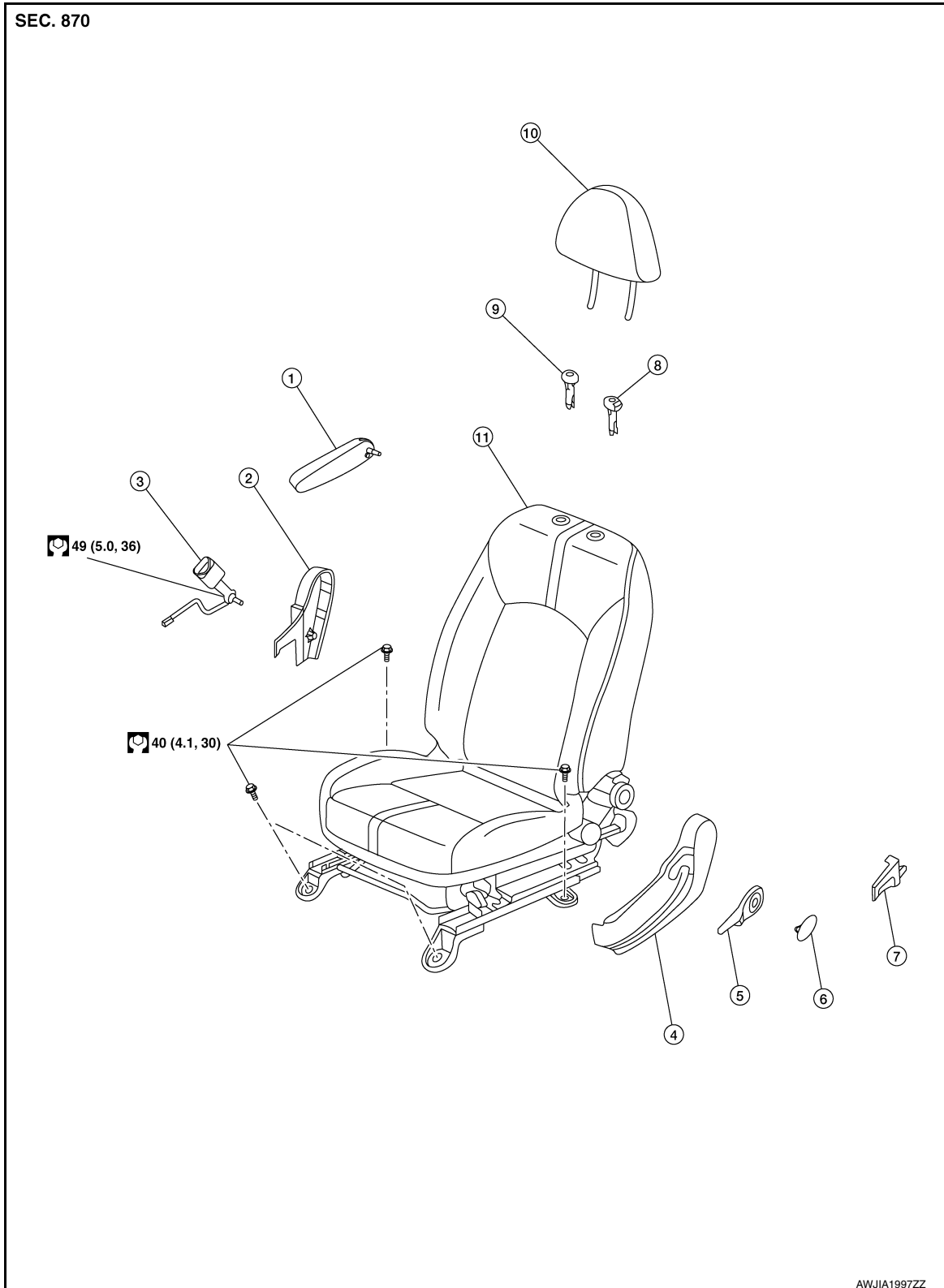
FRONT SEAT

DRIVER SIDE

DRIVER SIDE : Exploded View

INFOID:0000000012432048

DRIVER SEAT WITH LIFT AND ARMREST

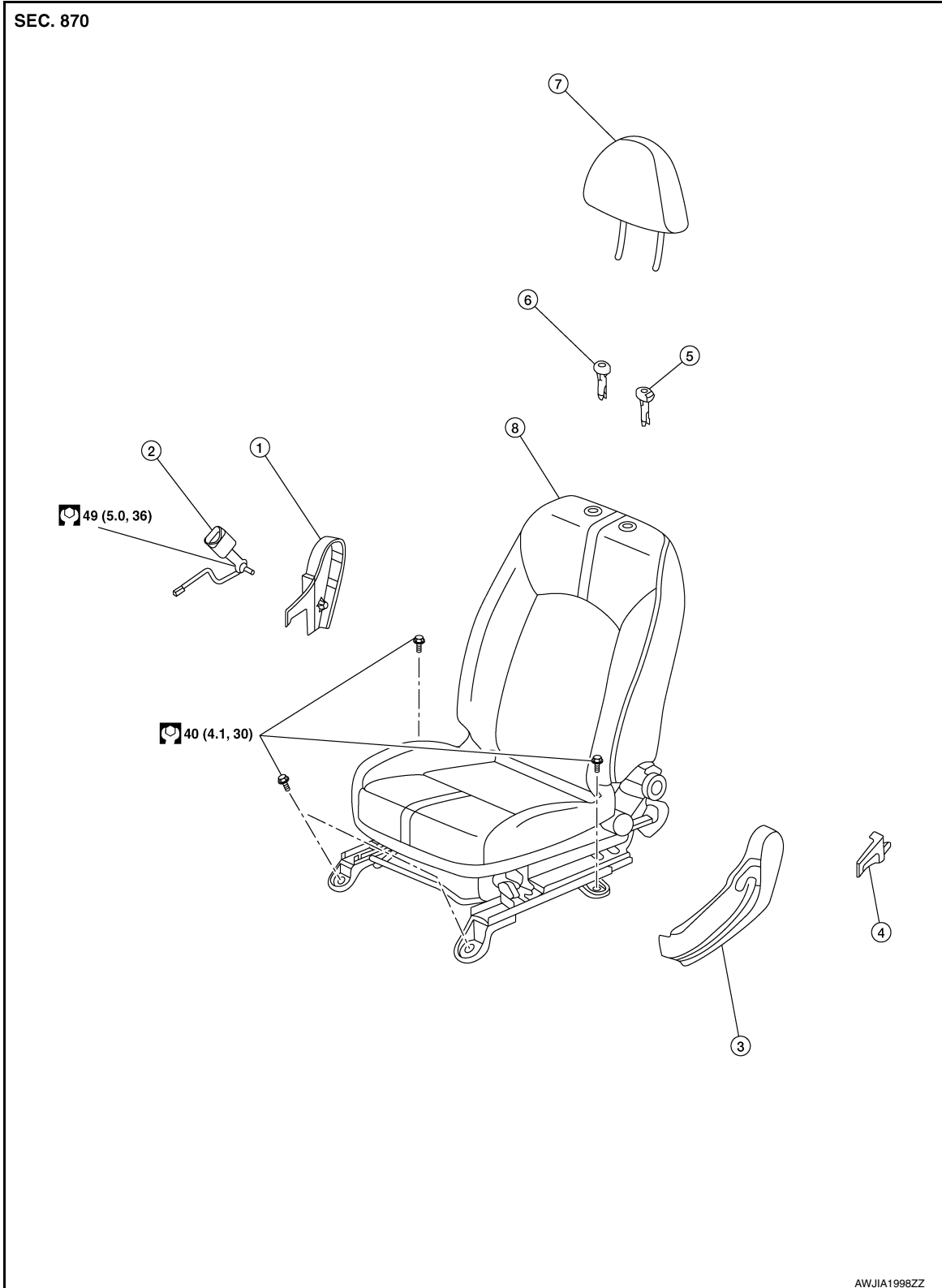


FRONT SEAT

< UNIT DISASSEMBLY AND ASSEMBLY >

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|-------------------------------------|-------------------------------------|---------------------------|
| 1. Armrest | 2. Seat cushion outer finisher (RH) | 3. Seat belt buckle |
| 4. Seat cushion outer finisher (LH) | 5. Lift lever | 6. Lift lever cap |
| 7. Recline lever | 8. Headrest holder (locked) | 9. Headrest holder (free) |
| 10. Headrest | 11. Seat assembly | |

DRIVER SEAT WITHOUT LIFT AND ARMREST



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FRONT SEAT

< UNIT DISASSEMBLY AND ASSEMBLY >

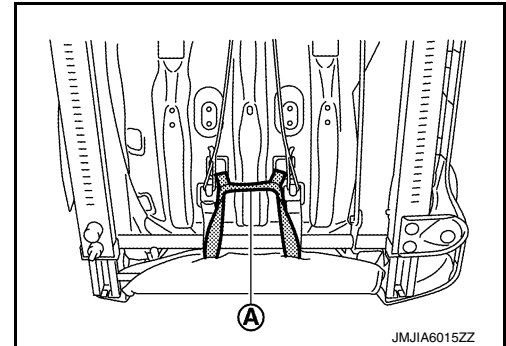
- | | | |
|-------------------------------------|-----------------------------|-------------------------------------|
| 1. Seat cushion outer finisher (RH) | 2. Seat belt buckle | 3. Seat cushion outer finisher (LH) |
| 4. Recline lever | 5. Headrest holder (locked) | 6. Headrest holder (free) |
| 7. Headrest | 8. Seat assembly | |

DRIVER SIDE : Seatback

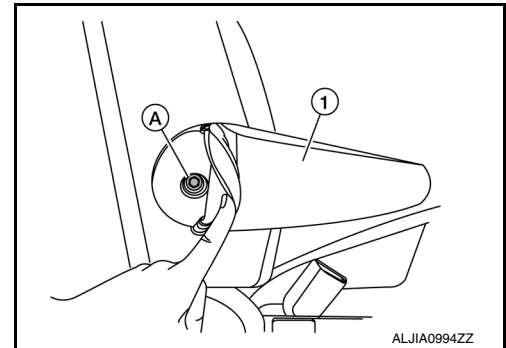
INFOID:000000012834455

DISASSEMBLY

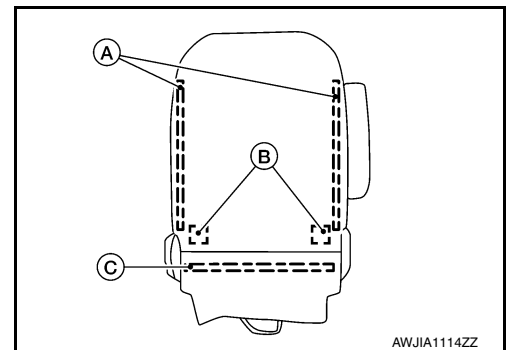
1. Remove the driver side front seat. Refer to [SE-20, "DRIVER SIDE : Removal and Installation"](#).
2. Remove the headrest.
3. Release trim strap (A) from the seat cushion frame.



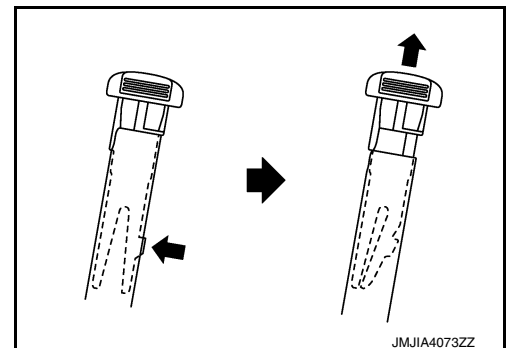
4. Remove the armrest (1) (if equipped).
 - a. Unzip the armrest to access armrest bolt (A).
 - b. Remove armrest bolt (A) and armrest (1).



5. Release the J-hook retainer (C), unzip seatback zippers (A) and release J-clips (B).



6. Release the headrest holder locks as shown and remove.
CAUTION:
Before removing the headrest holder, check its orientation (front/rear and right/left).



FRONT SEAT

< UNIT DISASSEMBLY AND ASSEMBLY >

ASSEMBLY

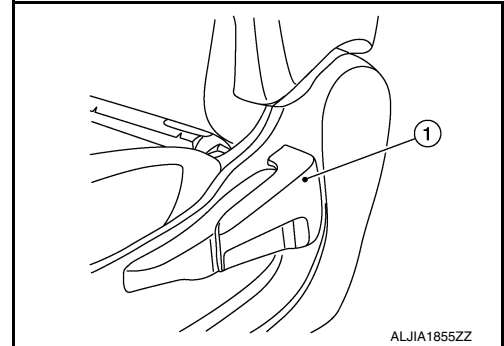
Assembly is in the reverse order of disassembly.
Smooth out all wrinkles during assembly.

DRIVER SIDE : Seat Cushion


INFOID:000000012834456

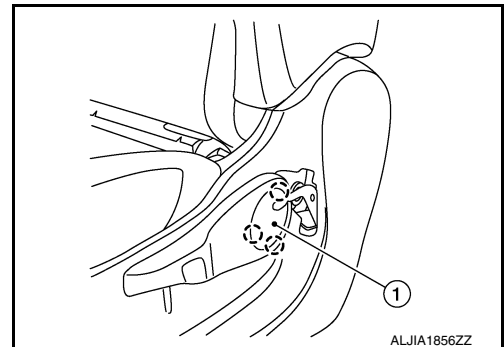
DISASSEMBLY

1. Remove the drive side front seat. Refer to [SE-20. "DRIVER SIDE : Removal and Installation"](#).
2. Remove the recline lever (1).

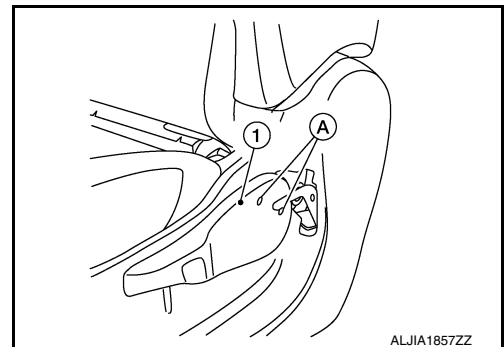


3. Pull to release pawls and remove the lift lever cap (1) (if equipped).



 : Pawl

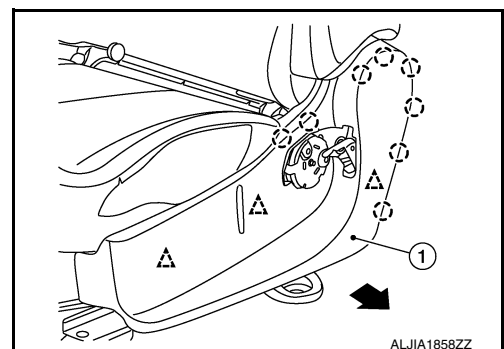


4. Remove the lift lever screws (A) and remove lift lever (1) (if equipped).



5. Remove the seat cushion outer finisher (LH) (1).
 - a. Pull to release clips and pawls in the direction (←) shown and remove.

 : Pawl
 : Clip

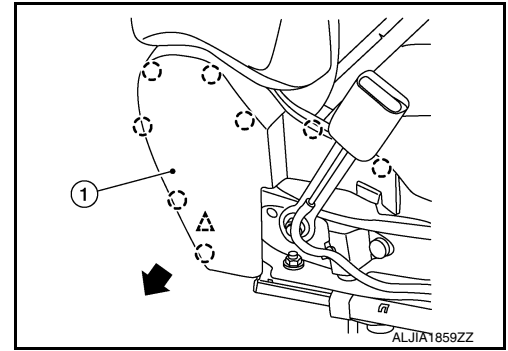
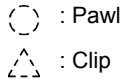


6. Remove the seat belt buckle (LH). Refer to [SB-8. "FRONT SEAT BELT BUCKLE : Removal and Installation"](#).

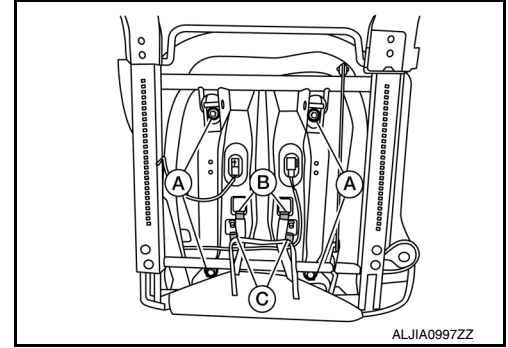
FRONT SEAT

< UNIT DISASSEMBLY AND ASSEMBLY >

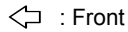
7. Remove the seat cushion outer finisher (RH) (1).
 - a. Pull to release clips and pawls in the direction (←) shown and remove.



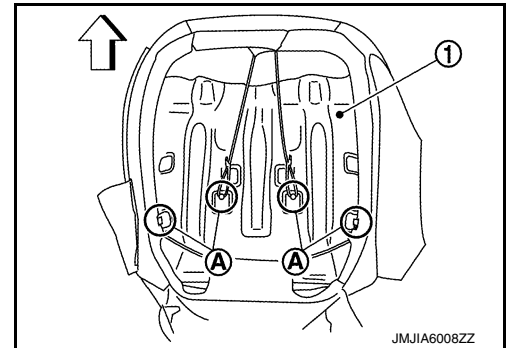
8. Remove the seat cushion from the seat frame.
 - a. Release the seatback trim J-clips (C) and seat cushion J-clips (B) from the seat cushion frame.
 - b. Remove bolts (A) and the seat cushion.



9. Remove seat cushion trim and seat cushion pad from the seat cushion frame.
 - a. Release string at locations (A) from seat cushion frame (1).



- b. Loosen string then remove the seat cushion trim and seat cushion pad.



ASSEMBLY

Assembly is in the reverse order of disassembly.
Smooth out all wrinkles during assembly.

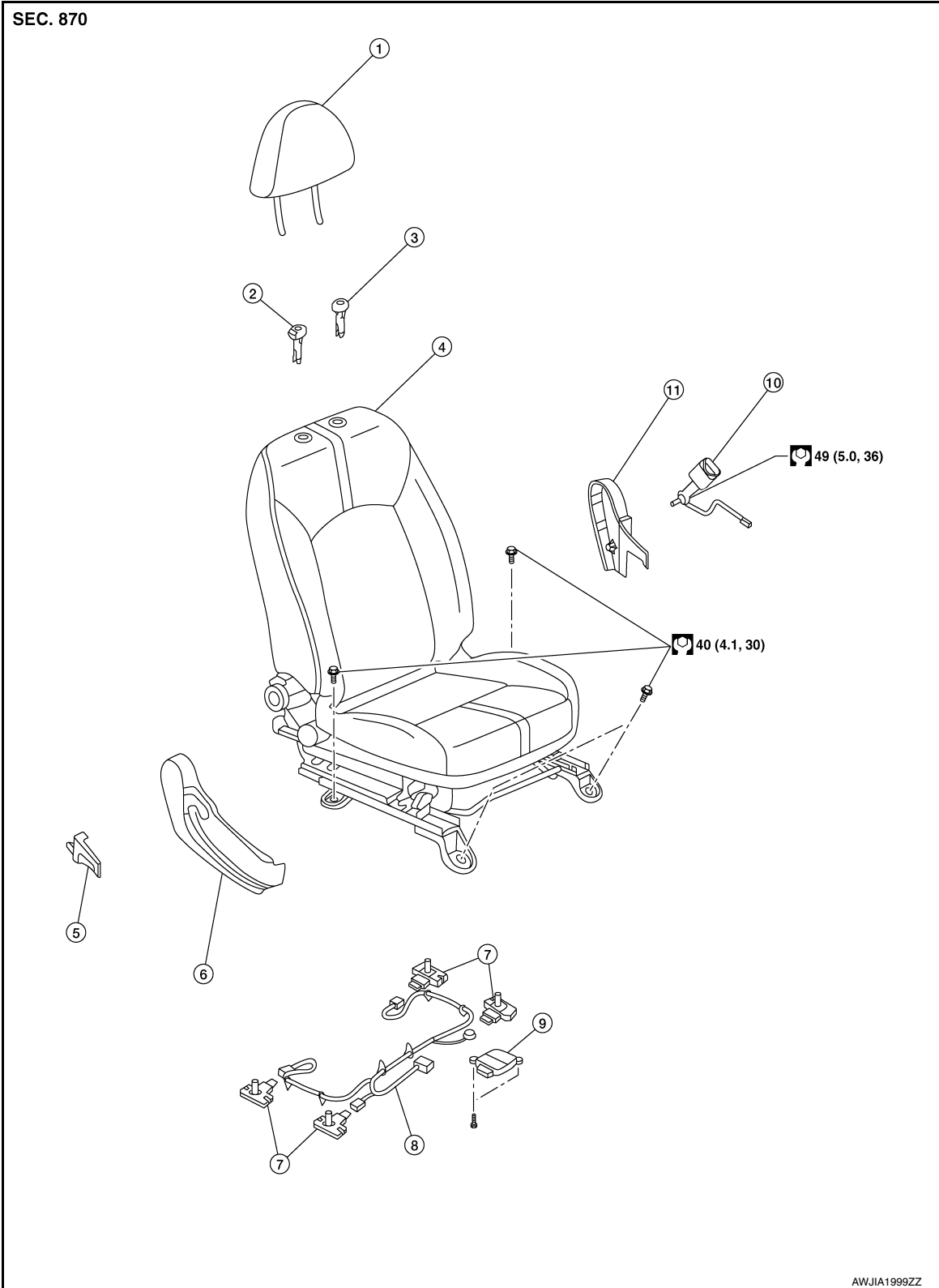
PASSENGER SIDE

FRONT SEAT

< UNIT DISASSEMBLY AND ASSEMBLY >

PASSENGER SIDE : Exploded View

INFOID:000000012432051



- 1. Headrest
- 4. Seat assembly

- 2. Headrest holder (free)
- 5. Recline lever

- 3. Headrest holder (locked)
- 6. Seat cushion outer finisher (RH)

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FRONT SEAT

< UNIT DISASSEMBLY AND ASSEMBLY >

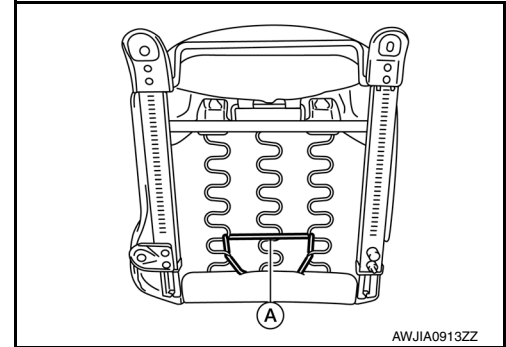
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| 7. Occupant classification system sensors | 8. Occupant classification system harness | 9. Occupant classification system control unit |
| 10. Seat belt buckle | 11. Seat cushion outer finisher (LH) | |

PASSENGER SIDE : Seatback

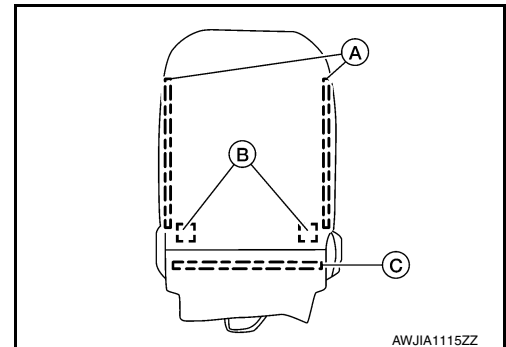
INFOID:000000012834457

DISASSEMBLY

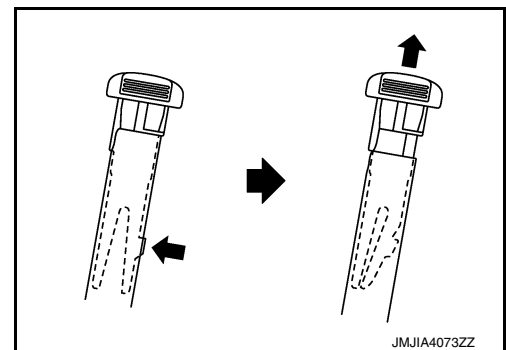
1. Remove the passenger side front seat. Refer to [SE-22. "PASSENGER SIDE : Removal and Installation"](#).
2. Remove the headrest.
3. Release trim strap (A) from the seat frame.



4. Release the J-hook retainer (C), unzip seatback zippers (A) and release J-clips (B).



5. Release the headrest holder locks as shown and remove.
CAUTION:
Before removing the headrest holder, check its orientation (front/rear and right/left).



ASSEMBLY

Assembly is in the reverse order of disassembly.
Smooth out all wrinkles during assembly.

PASSENGER SIDE : Seat Cushion

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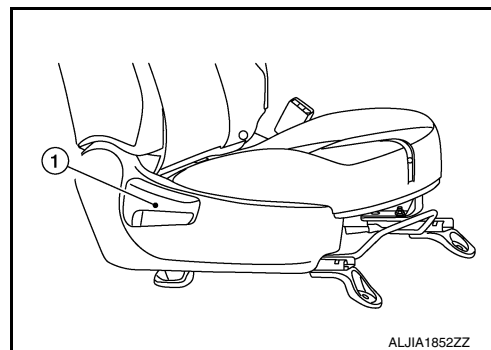
DISASSEMBLY

1. Remove the passenger side front seat. Refer to [SE-22. "PASSENGER SIDE : Removal and Installation"](#).

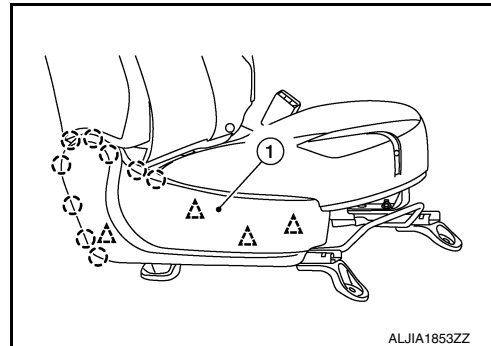
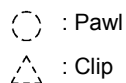
FRONT SEAT

< UNIT DISASSEMBLY AND ASSEMBLY >

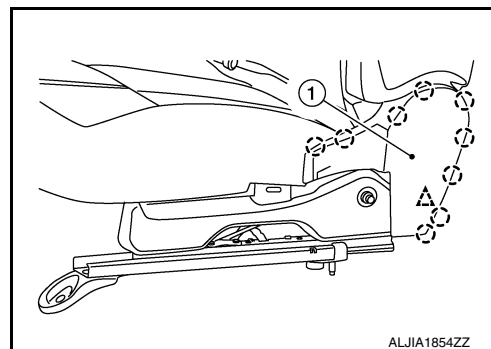
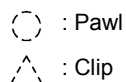
2. Remove recline lever (1).



3. Release clips and pawls using suitable tool and remove the seat cushion outer finisher (RH) (1).



4. Remove seat belt buckle (RH). Refer to [SB-8. "FRONT SEAT BELT BUCKLE : Removal and Installation"](#).
 5. Release the clips and pawls using a suitable tool and remove the seat cushion outer finisher (LH) (1).



ASSEMBLY

Assembly is in the reverse order of disassembly.
 Smooth out all wrinkles during assembly.

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REAR SEAT

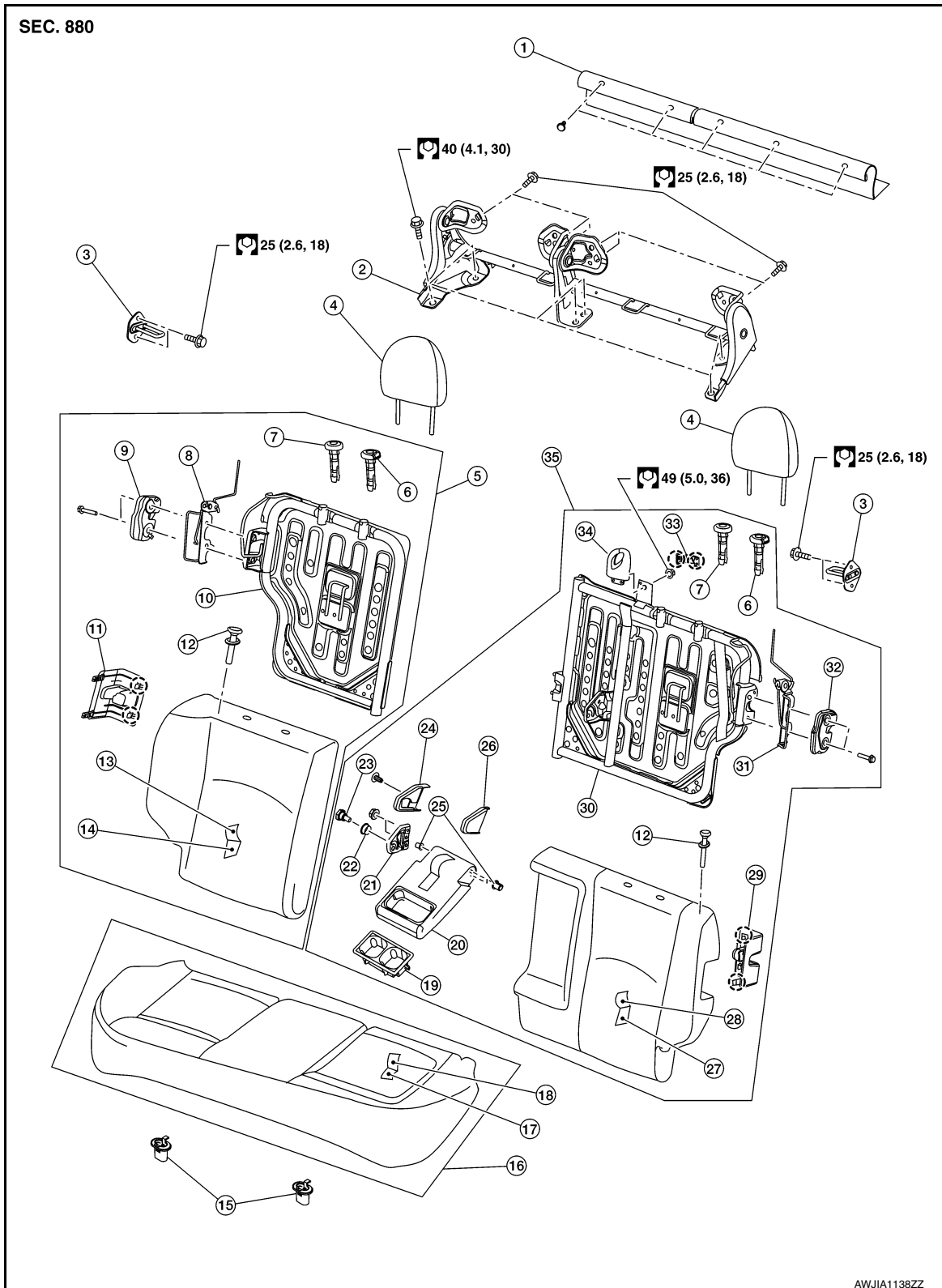
< UNIT DISASSEMBLY AND ASSEMBLY >

REAR SEAT

Exploded View

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REAR SEAT WITH ARMREST



AWJIA1138ZZ

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|------------------------|-------------------|-----------------------------|
| 1. Seatback hinge trim | 2. Seatback hinge | 3. Seatback striker |
| 4. Headrest | 5. Seatback (RH) | 6. Headrest holder (locked) |

REAR SEAT

< UNIT DISASSEMBLY AND ASSEMBLY >

7. Headrest holder (free)	8. Seatback latch bracket (RH)	9. Seatback latch (RH)	A
10. Seatback frame (RH)	11. Seatback latch finisher (RH)	12. Seatback latch release knob	
13. Seatback trim (RH)	14. Seatback pad (RH)	15. Seat cushion hook	
16. Seat cushion	17. Seat cushion pad	18. Seat cushion trim	
19. Cup holder	20. Armrest	21. Armrest hinge bracket	B
22. Armrest pivot bolt bushing	23. Armrest pivot bolt	24. Armrest hinge bracket finisher (RH)	
25. Bushing	26. Armrest hinge bracket finisher (LH)	27. Seatback pad (LH)	C
28. Seatback trim (LH)	29. Seatback latch finisher (LH)	30. Seatback frame (LH)	
31. Seatback latch bracket (LH)	32. Seatback latch (LH)	33. Seatbelt guide finisher	
34. Seat belt guide	35. Seatback (LH)	⊖ Pawl	D
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REAR SEAT

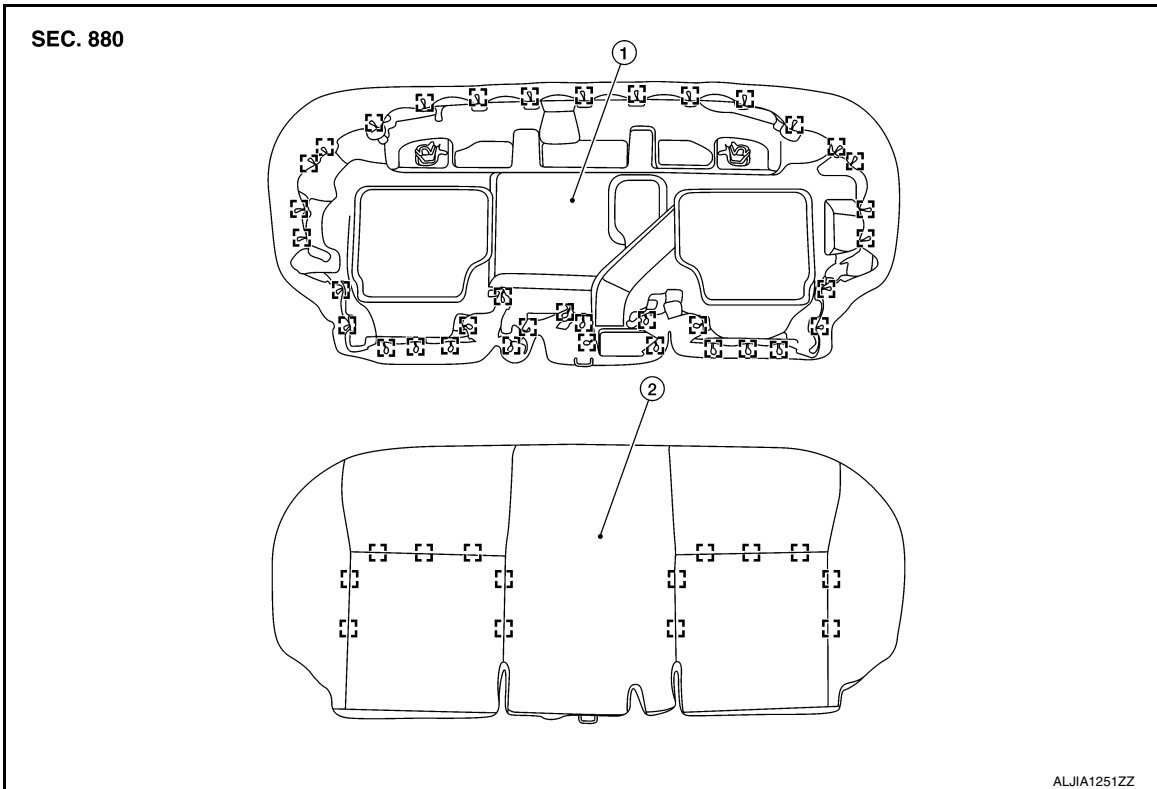
< UNIT DISASSEMBLY AND ASSEMBLY >

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|-----------------------------|---------------------------------|----------------------------------|
| 19. Seatback pad (LH) | 20. Seatback trim (LH) | 21. Seatback latch finisher (LH) |
| 22. Seatback frame (LH) | 23. Seatback latch bracket (LH) | 24. Seatback latch (LH) |
| 25. Seatbelt guide finisher | 26. Seat belt guide | 27. Seatback (LH) |

 Pawl


Seat Cushion

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1. Seat cushion pad

2. Seat cushion trim

 Hog rings

DISASSEMBLY

1. Remove the seat cushion. Refer to [SE-26. "SEAT CUSHION : Removal and Installation"](#).
2. Remove the hog rings on the bottom side of seat cushion.
3. Remove the hog rings on the top side of seat cushion and separate the seat cushion trim from the seat cushion pad.

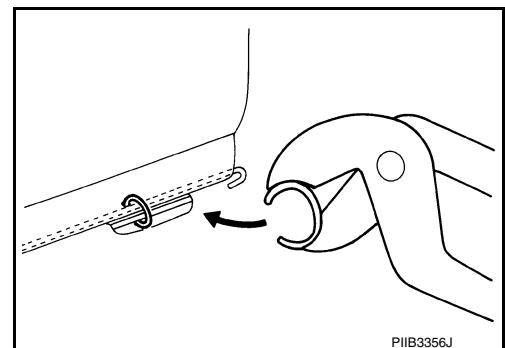
NOTE:

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.



REAR SEAT

< UNIT DISASSEMBLY AND ASSEMBLY >

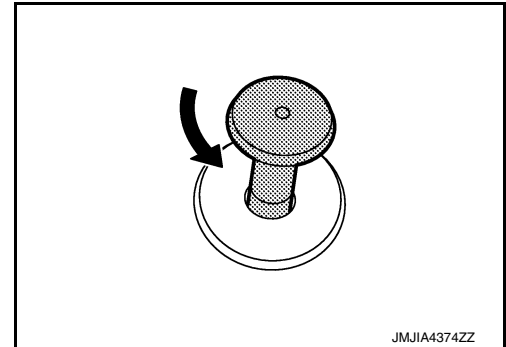
Seatback

INFOID:000000012432056

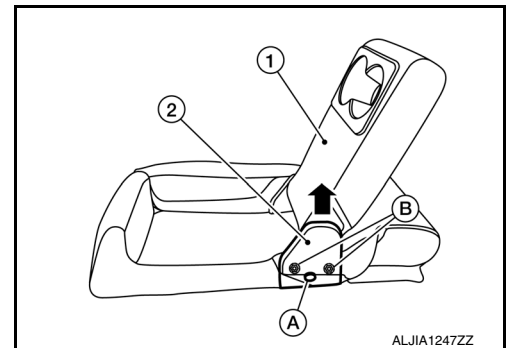
DISASSEMBLY

Seatback (LH)

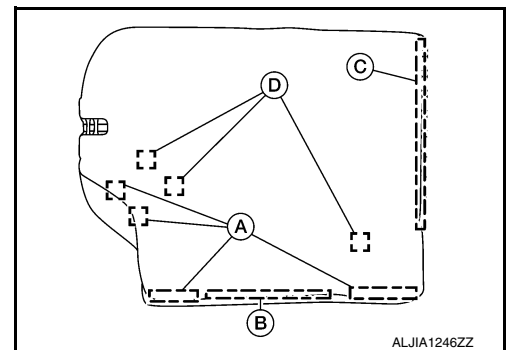
1. Remove the seatback (LH). Refer to [SE-26, "SEATBACK : Removal and Installation"](#).
2. Remove the headrest.
3. Release clips and remove latch finisher.
4. Release pawls and remove the seat belt guide finisher.
5. Remove nut and the seat belt guide.
6. Rotate the seatback latch release knob counterclockwise as shown (↶) and remove.



7. Release center seat belt guide rear finisher pawls and remove nut, then remove center seat belt guide.
8. Remove the armrest (1) (if equipped).
 - a. Remove clip (A) using a suitable tool, then the armrest bracket finisher (RH) (2) as shown (↶).
 - b. Remove nuts (B), then the armrest.



9. Release hook fasteners (A), then J-hook retainer (B).
10. Unzip the seatback trim zipper (C), then release J-clip retainers (D).



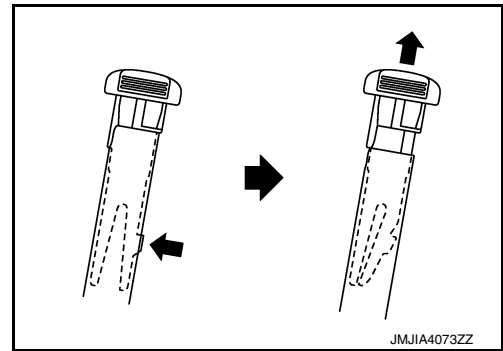
REAR SEAT

< UNIT DISASSEMBLY AND ASSEMBLY >

11. Release the headrest holder locks as shown and remove.

CAUTION:

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

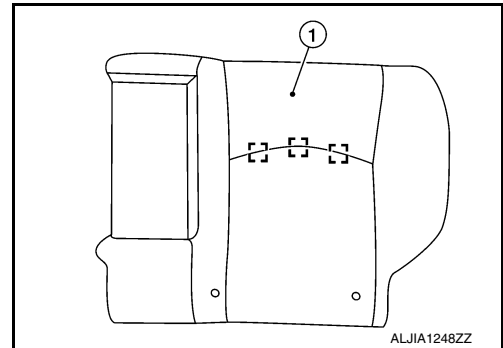


12. Remove the seatback trim and seatback pad from the seatback frame.
13. Remove bolts and the seatback latch.
14. Remove the hog rings and separate the seatback trim (1) from the seatback pad.

 Hog ring

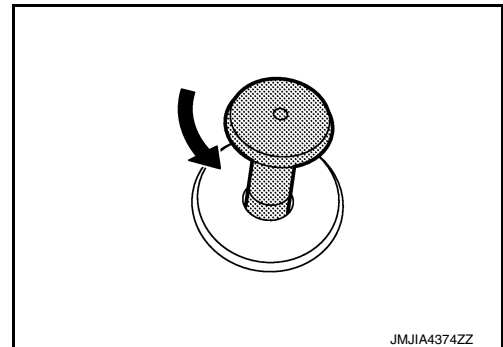
NOTE:

Remove all pieces of hog rings and discard them.

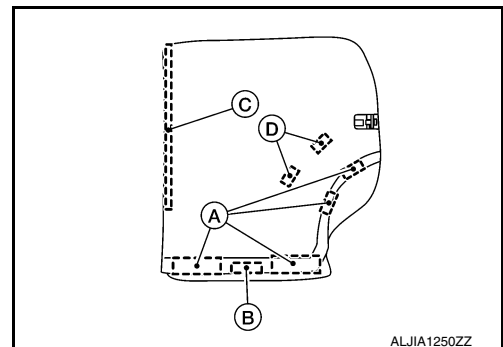


Seatback (RH)

1. Remove the seatback (RH). Refer to [SE-26. "SEATBACK : Removal and Installation"](#).
2. Remove the headrest.
3. Release clips and remove latch finisher.
4. Rotate the seatback latch release knob counterclockwise as shown (←) and remove.



5. Release hook fasteners (A), then J-hook retainer (B).
6. Unzip the seatback trim zipper (C), then release J-clip retainers (D).



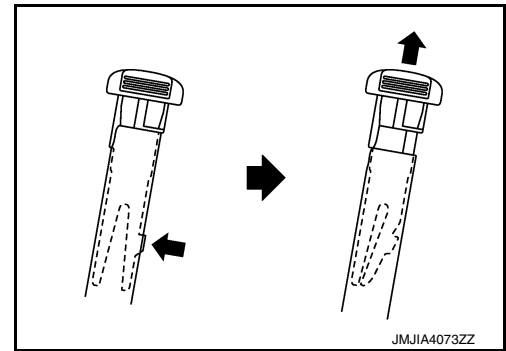
REAR SEAT

< UNIT DISASSEMBLY AND ASSEMBLY >

7. Release the headrest holder locks as shown and remove.

CAUTION:

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



8. Remove the seatback trim and seatback pad from the seatback frame.

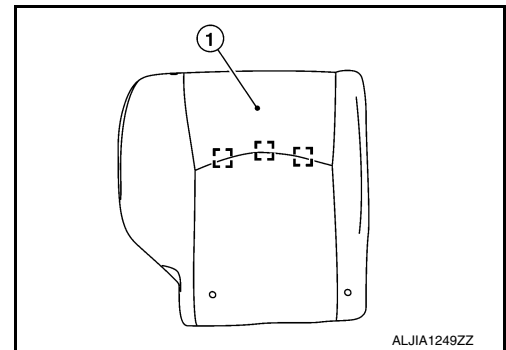
9. Remove bolts and the seatback latch.

10. Remove the hog rings and separate the seatback trim (1) 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.

