

SECTION **INT**
INTERIOR

A
B
C

CONTENTS

D
E

PRECAUTION	3	CENTER PILLAR UPPER FINISHER : Removal and Installation	20
PRECAUTIONS	3	CENTER PILLAR LOWER FINISHER	21
Precaution for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TENSIONER"	3	CENTER PILLAR LOWER FINISHER : Removal and Installation	21
Precaution for Work	3	BODY SIDE WELT	22
PREPARATION	4	BODY SIDE WELT : Removal and Installation - Front Door Welt	22
PREPARATION	4	BODY SIDE WELT : Removal and Installation - Rear Door Welt	22
Special Service Tool	4	KICKING PLATE	22
Commercial Service Tools	4	KICKING PLATE : Removal and Installation - Front Kicking Plate	22
CLIP LIST	5	KICKING PLATE : Removal and Installation - Rear Kicking Plate	23
Descriptions for Clips	5	DASH SIDE FINISHER	23
SYMPTOM DIAGNOSIS	9	DASH SIDE FINISHER : Removal and Installation	23
SQUEAK AND RATTLE TROUBLE DIAGNOSES	9	FLOOR TRIM	25
Work Flow	9	Exploded View	25
Generic Squeak and Rattle Troubleshooting	10	Removal and Installation	25
Diagnostic Worksheet	13	HEADLINING	26
REMOVAL AND INSTALLATION	15	Exploded View	26
FRONT DOOR FINISHER	15	Removal and Installation	27
Exploded View	15	LUGGAGE FLOOR TRIM	30
Removal and Installation	15	Exploded View	30
REAR DOOR FINISHER	17	LUGGAGE SIDE LOWER FINISHER	30
Exploded View	17	LUGGAGE SIDE LOWER FINISHER : Removal and Installation	30
Removal and Installation	17	LUGGAGE SIDE UPPER FINISHER	31
BODY SIDE TRIM	19	LUGGAGE SIDE UPPER FINISHER : Removal and Installation	31
Exploded View	19	STORAGE BOX	32
FRONT PILLAR FINISHER	19		
FRONT PILLAR FINISHER : Removal and Installation	19		
CENTER PILLAR UPPER FINISHER	20		

F
G
H
I

INT

K
L
M

N
O
P

STORAGE BOX : Removal and Installation	32	BACK DOOR UPPER FINISHER : Removal and Installation	33
BACK DOOR KICKING PLATE	32	BACK DOOR LOWER FINISHER	34
BACK DOOR KICKING PLATE : Removal and Installation	32	BACK DOOR LOWER FINISHER : Removal and Installation	34
BACK DOOR TRIM	33	BACK DOOR SIDE FINISHER	35
Exploded View	33	BACK DOOR SIDE FINISHER : Removal and Installation	35
BACK DOOR UPPER FINISHER	33		

PRECAUTIONS

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PRECAUTION

PRECAUTIONS

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

INFOID:000000011560454

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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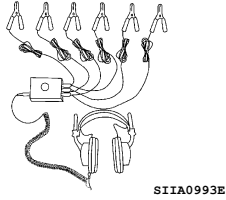
PREPARATION

Special Service Tool

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

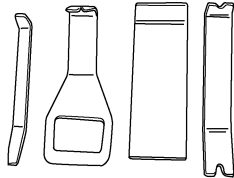
Tool number (TechMate No.) Tool name	Description
— (J-39570) Chassis Ear	Locating the noise
— (J-50397) NISSAN Squeak and Rattle Kit	Repairing the cause of noise
— (J-46534) Trim Tool Set	Removing trim components



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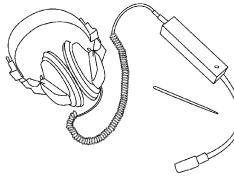


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Commercial Service Tools

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(TechMate No.) Tool name	Description
(J-39565) Engine Ear	Locating the noise
(—) Power Tool	Loosening nuts, screws and bolts



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CLIP LIST


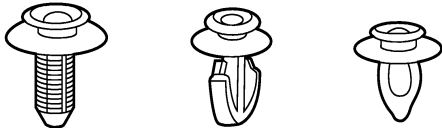


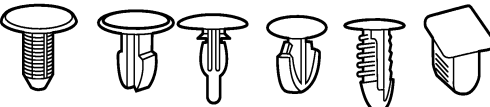
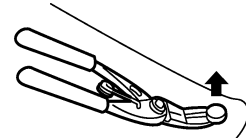

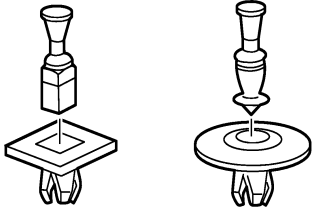
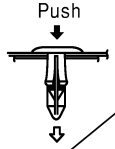
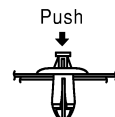

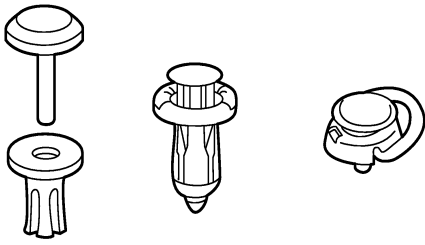
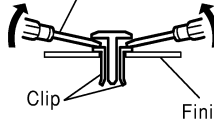

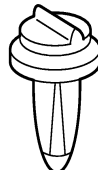
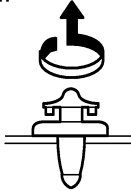
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CLIP LIST

Descriptions for Clips

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Replace any clips which are damaged during removal or installation.


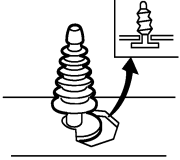
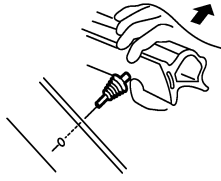

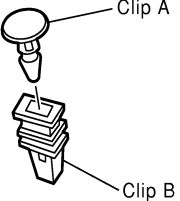
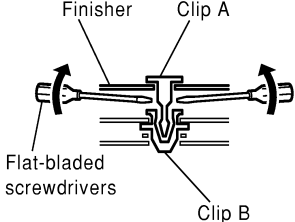

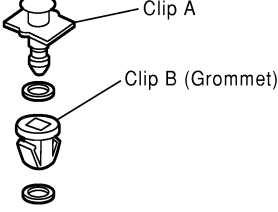
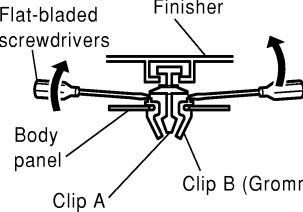
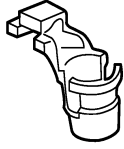
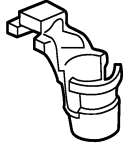
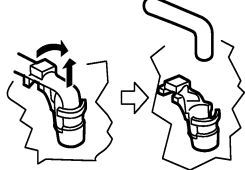

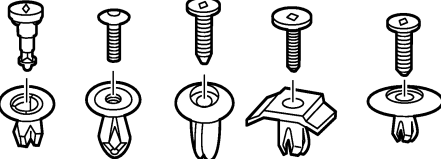

Symbol No.	Shapes	Removal & Installation
C101 		<p>Removal: Remove by bending up with flat-bladed screwdrivers or clip remover.</p> 
C103 		 <p>Removal: Remove with a clip remover.</p>
C203 		<p>Removal: Push center pin to catching position. (Do not remove center pin by hitting it.)</p> <p>Push</p> 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

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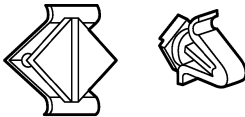

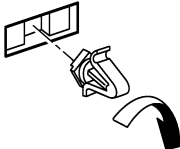

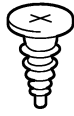



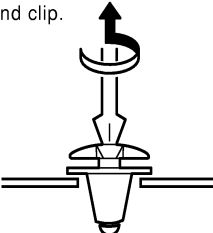


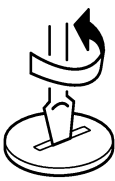
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Symbol No.	Shapes	Removal & Installation
<p>CE103</p> 		<p>Removal:</p> 
<p>CF110</p> 		<p>Removal:</p> 
<p>CF118</p> 		<p>Removal:</p> 
<p>CR103</p> 		<p>Removal: Holder portion of clip must be spread out to remove rod.</p> 
<p>CS101</p> 		<p>Removal:</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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CLIP LIST

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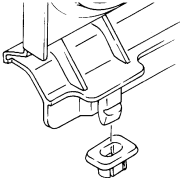
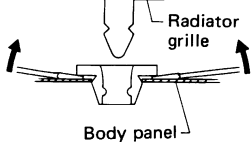

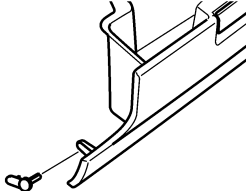
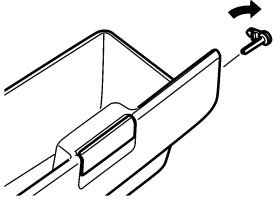

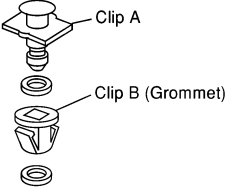
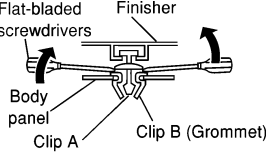
Symbol No.	Shapes	Removal & Installation	
CG101 		Removal:  Rotate 45° to remove	Installation: 
CS102 			
CS113 		Removal: Disconnect upper connection of clip with a flat-bladed screwdriver, then remove clip while inserting a flat-bladed screwdriver between body panel and clip. 	
C111 			

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Symbol No.	Shapes	Removal & Installation
<p>CG104</p> 		<p>Removal: Remove by bending up with flat-bladed screwdrivers.</p>  <p>Radiator grille Body panel</p>
<p>CE114</p> 		
<p>CF118</p> 	 <p>Clip A Clip B (Grommet)</p>	<p>Removal: Flat-bladed screwdrivers Finisher</p>  <p>Body panel Clip A Clip B (Grommet)</p>

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SQUEAK AND RATTLE TROUBLE DIAGNOSES

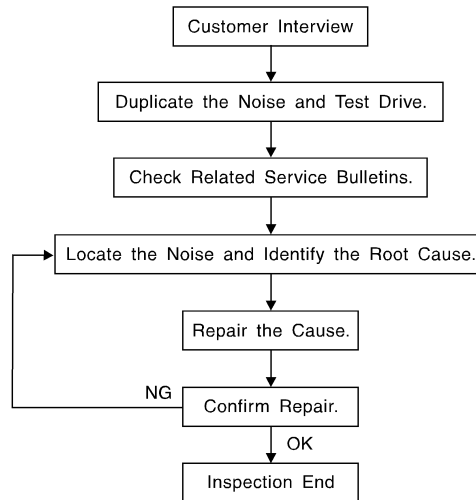
< SYMPTOM DIAGNOSIS >

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 [INT-13. "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 [INT-10. "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:000000011219002

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:

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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.

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:000000011219003

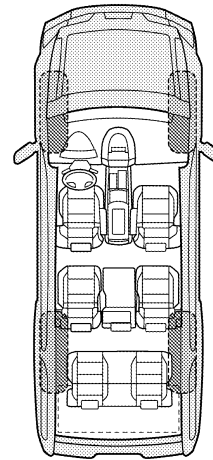
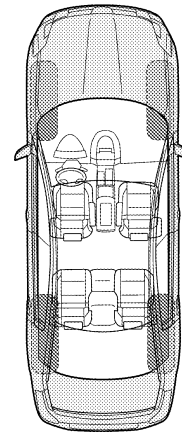
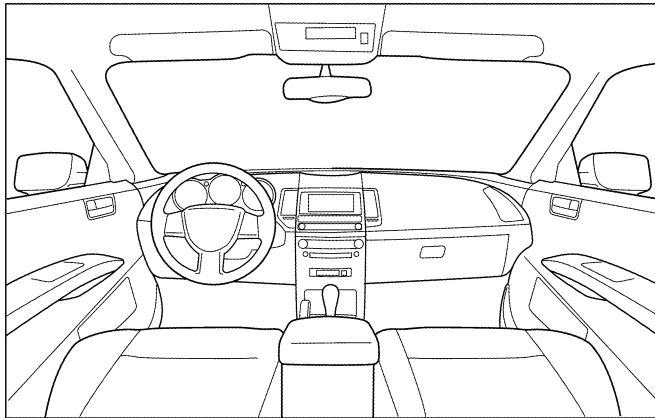
Dear Customer:

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

SQUEAK & RATTLE DIAGNOSTIC WORKSHEET

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

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



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

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SQUEAK AND RATTLE TROUBLE DIAGNOSES

< SYMPTOM DIAGNOSIS >

SQUEAK & RATTLE DIAGNOSTIC WORKSHEET - page 2

Briefly describe the location where the noise occurs:

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

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

III. WHEN DRIVING:

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

IV. WHAT TYPE OF NOISE

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

TO BE COMPLETED BY DEALERSHIP PERSONNEL

Test Drive Notes:

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

VIN: _____ Customer Name _____
W.O.# _____ Date: _____

This form must be attached to Work Order

LATA0071E

FRONT DOOR FINISHER

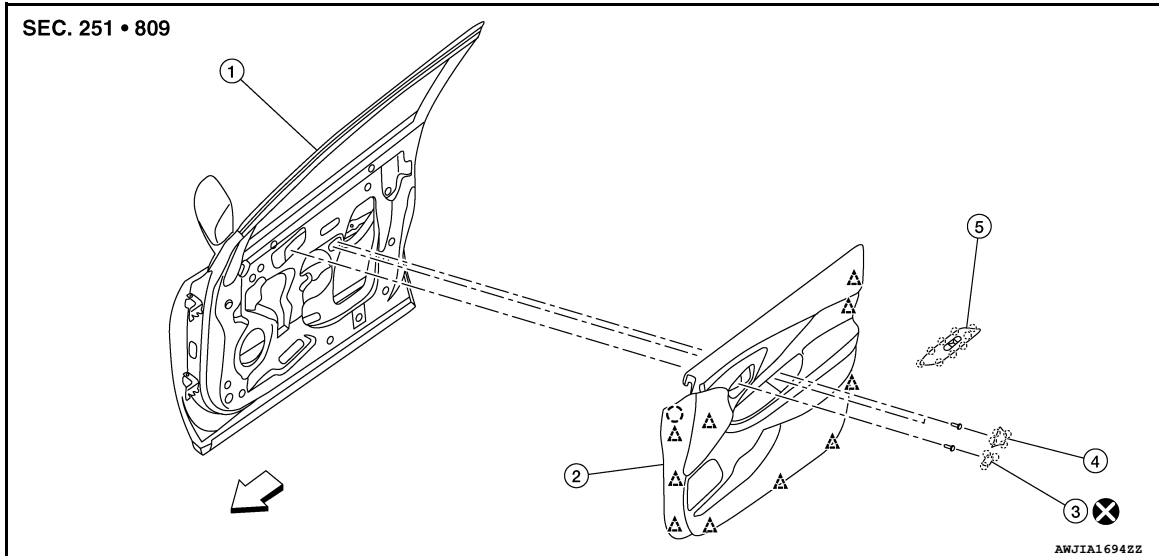
< REMOVAL AND INSTALLATION >

REMOVAL AND INSTALLATION

FRONT DOOR FINISHER

Exploded View

INFOID:000000011219004



- | | | |
|--------------------|--|----------------------------------|
| 1. Front door | 2. Front door finisher | 3. Inside door handle escutcheon |
| 4. Pull handle cap | 5. Power window and door lock/unlock switch RH | △ Clip |
| ○ Pawl | ⇒ Front | |

Removal and Installation

INFOID:000000011219005

REMOVAL

- Using a suitable tool release pawls and remove pull handle cap then remove front door finisher bolts. Refer to [INT-15. "Exploded View"](#).
- Using a suitable tool release pawls and remove inside door handle escutcheon then remove front door finisher bolt. Refer to [INT-15. "Exploded View"](#).

CAUTION:

Do not reuse inside door handle escutcheon. Replace with new part after removal.

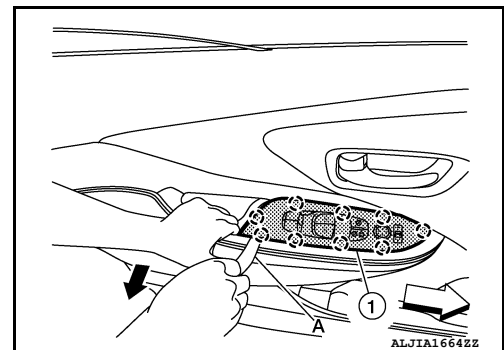
- Pull armrest in direction shown (←) then starting at rear release power window and door lock/unlock switch finisher (1) pawls using a suitable tool (A).

⇐ Front

○ Pawl

NOTE:

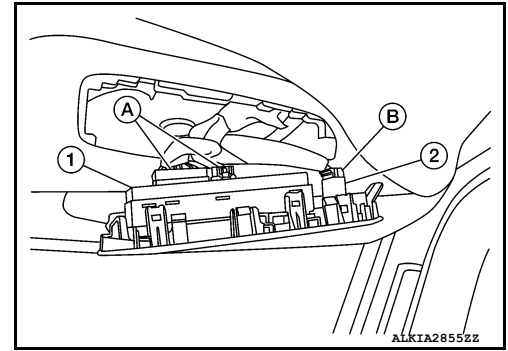
LH Shown, RH similar



FRONT DOOR FINISHER

< REMOVAL AND INSTALLATION >

4. Disconnect the harness connectors (A) from the power window and door lock/unlock switch (1) and harness connector (B) from the door mirror remote control switch (2) and remove.



5. Using a suitable tool release front door finisher clips. [INT-15. "Exploded View"](#).
6. Disconnect the harness connector from the front door finisher.
7. Disconnect the door lock cable and inside door handle cable from the front door finisher.
8. Remove front door finisher.

INSTALLATION

Installation is in the reverse order of removal.

CAUTION:

- Do not reuse inside door handle escutcheon. Replace with new part for installation.
- Visually check clips and pawls for deformation and damage during installation. Replace with new ones if necessary.
- Before installing front door finisher, align to front door by starting from top front and working rearward.
- When installing front door finisher, check that clips are securely placed in body panel holes.

NOTE:

When main power window and door lock/unlock switch is removed or replaced, it is necessary to perform initialization procedure. Refer to [PWC-32. "Work Procedure"](#).

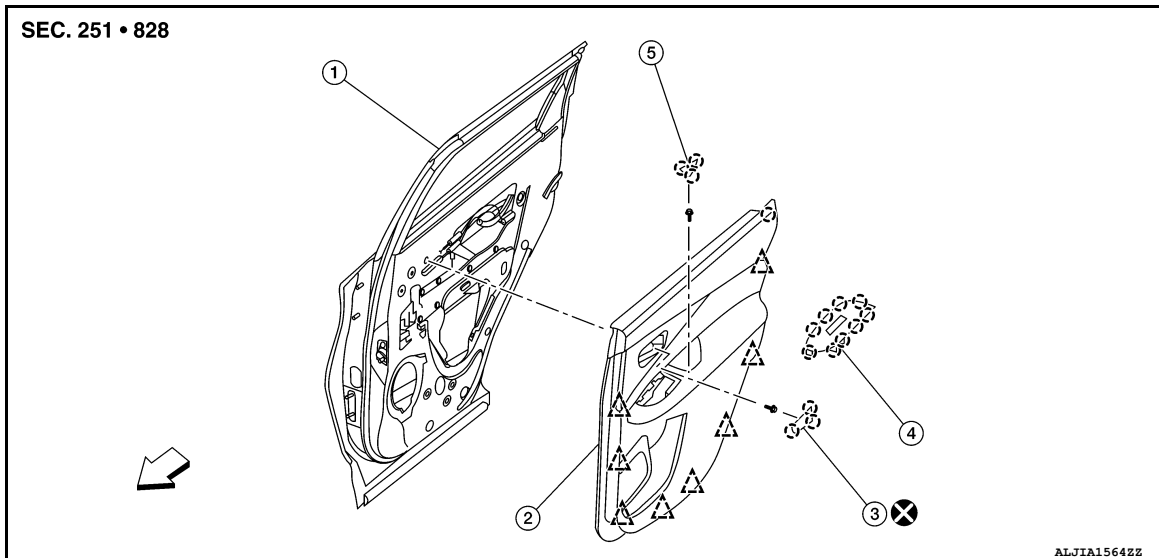
REAR DOOR FINISHER

< REMOVAL AND INSTALLATION >

REAR DOOR FINISHER

Exploded View

INFOID:000000011219006



- | | | |
|-----------------------------|-----------------------|----------------------------------|
| 1. Rear door | 2. Rear door finisher | 3. Inside door handle escutcheon |
| 4. Rear power window switch | 5. Pull handle cap | △ Clip |
| ○ Pawl | ⇨ Front | |

Removal and Installation

INFOID:000000011219007

REMOVAL

- Using a suitable tool release pawls and remove pull handle cap then remove rear door finisher bolt. Refer to [INT-17, "Exploded View"](#).
- Using a suitable tool release pawls and remove inside door handle escutcheon then remove rear door finisher bolt. Refer to [INT-17, "Exploded View"](#).

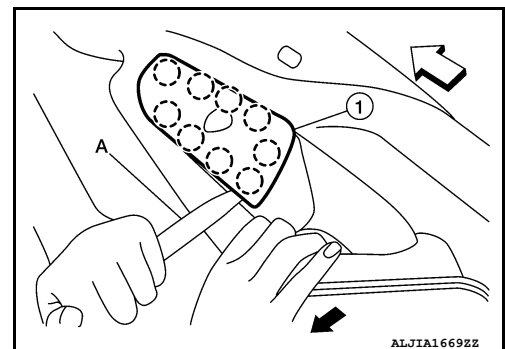
CAUTION:

Do not reuse inside door handle escutcheon. Replace with new part after removal.

- Pull armrest in direction shown (⇨) then starting at rear release rear power window switch finisher (1) pawls using a suitable tool (A).

⇨ Front

○ Pawl



- Disconnect the harness connector from the rear power window switch and remove.
- Using a suitable tool release rear door finisher clips and pawl. Refer to [INT-17, "Exploded View"](#).
- Disconnect the door lock cable and inside door handle cable from the rear door finisher.
- Remove rear door finisher.

INSTALLATION

Installation is in the reverse order of removal.

CAUTION:

- Do not reuse inside door handle escutcheon. Replace with new part for installation.**

REAR DOOR FINISHER

< REMOVAL AND INSTALLATION >

- Visually check clips and pawls for deformation and damage during installation. Replace with new ones if necessary.
- When installing rear door finisher, check that clips and pawl are securely placed in body panel holes.

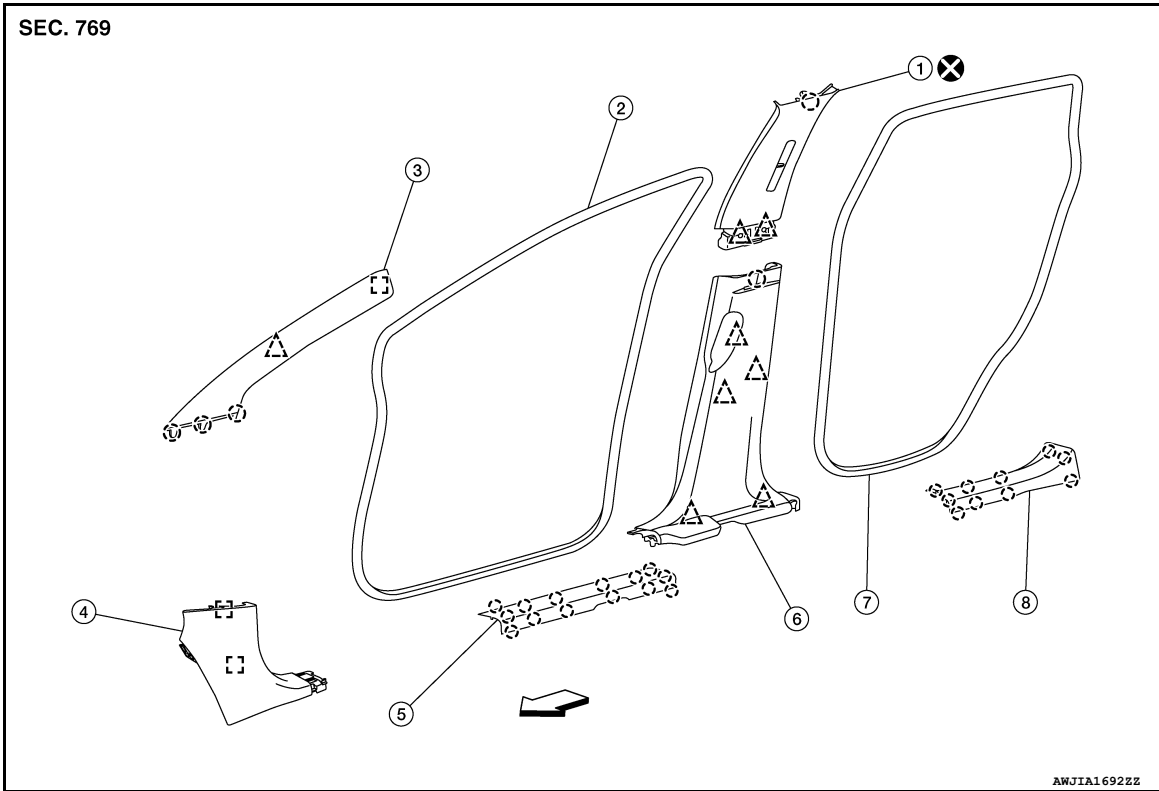
BODY SIDE TRIM

< REMOVAL AND INSTALLATION >

BODY SIDE TRIM

Exploded View

INFOID:000000011219008



- | | | |
|---------------------------------|------------------------|---------------------------------|
| 1. Center pillar upper finisher | 2. Front door welt | 3. Front pillar finisher |
| 4. Dash side finisher | 5. Front kicking plate | 6. Center pillar lower finisher |
| 7. Rear door welt | 8. Rear kicking plate | △ Clip |
| ○ Pawl | □ Metal clip | ⇨ Front |

FRONT PILLAR FINISHER

FRONT PILLAR FINISHER : Removal and Installation

INFOID:000000011219009

REMOVAL

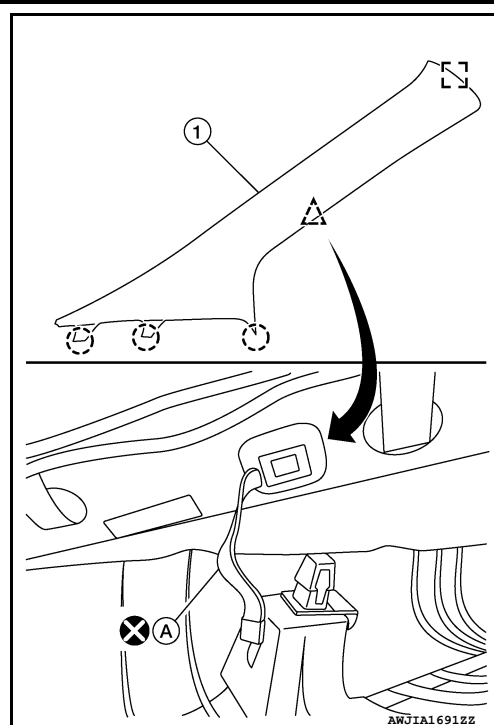
1. Partially remove front door welt.

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BODY SIDE TRIM

< REMOVAL AND INSTALLATION >

2. Release front pillar finisher (1) metal clip and pawls using a suitable tool.
□: Metal clip
△: Clip
○: Pawl
3. Cut and discard front pillar finisher tether (A).
CAUTION:
Do not reuse tether. Replace with new part after removal.
4. Remove remaining piece of tether using a suitable tool.



5. Disconnect the harness connector (if equipped) from the front pillar finisher and remove.

INSTALLATION

Installation is in the reverse order of removal.

CAUTION:

- Do not reuse tether. Replace with new part for installation.
- Make sure to install tether to front pillar finisher before installing front pillar finisher.
- When installing tether to front pillar finisher, be sure to install by aligning to cutout.
- Visually check metal clip for deformation and damage during installation. Replace with new one if necessary.
- When installing front pillar finisher, check that metal clip, tether and pawls are securely placed into body panel holes.

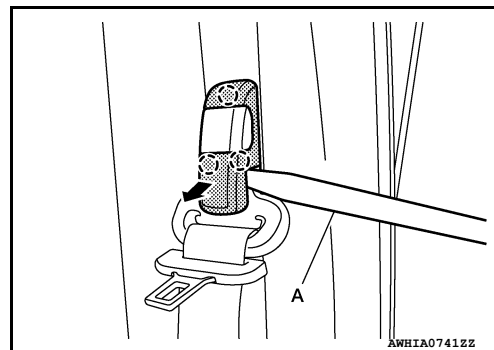
CENTER PILLAR UPPER FINISHER

CENTER PILLAR UPPER FINISHER : Removal and Installation

INFOID:000000011219010

REMOVAL

1. Remove center pillar lower finisher. Refer to [INT-21, "CENTER PILLAR LOWER FINISHER : Removal and Installation"](#).
2. Release pawls, using a suitable tool (A) and remove seat belt height adjuster bolt cover (LH).
○: Pawl



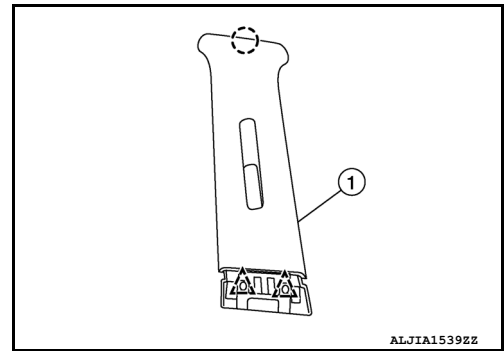
3. Remove seat belt d-ring anchor bolt.

BODY SIDE TRIM

< REMOVAL AND INSTALLATION >

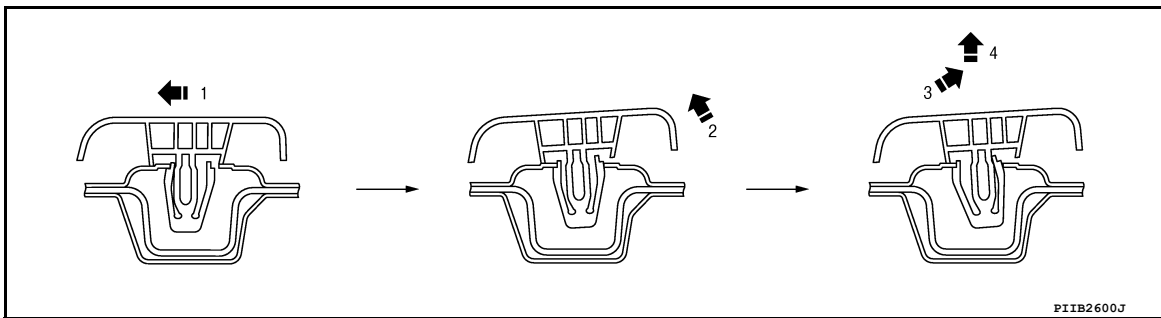
4. Release center pillar upper finisher (1) pawl and clips using a suitable tool.

- △: Clip
- : Pawl



CAUTION:

- Do not reuse center pillar upper finisher.
- Do not bend sheet metal when removing center pillar upper finisher from sheet metal.
- When releasing molded in clip, follow steps as shown to prevent finisher or clip damage.



5. Release seat belt from center pillar upper finisher and remove.

CAUTION:

Do not reuse center pillar upper finisher.

INSTALLATION

Installation is in the reverse order of removal.

CAUTION:

- Do not reuse center pillar upper finisher. Replace with new part for installation.
- Visually check sheet metal around clip and pawl locations to confirm no deformation from removal of center pillar upper finisher. Repair sheet metal if necessary.
- When installing center pillar upper finisher, check that clips and pawl are securely placed in body panel holes.

CENTER PILLAR LOWER FINISHER

CENTER PILLAR LOWER FINISHER : Removal and Installation

INFOID:000000011219011

REMOVAL

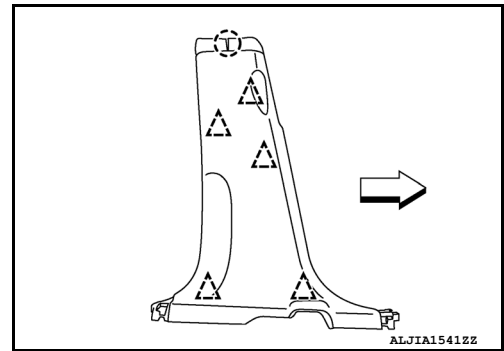
1. Move front seat to full forward position.
2. Remove front kicking plate. Refer to [INT-22, "KICKING PLATE : Removal and Installation - Front Kicking Plate"](#).
3. Remove rear kicking plate. Refer to [INT-23, "KICKING PLATE : Removal and Installation - Rear Kicking Plate"](#).

BODY SIDE TRIM

< REMOVAL AND INSTALLATION >

4. Release center pillar lower finisher clips and pawls using a suitable tool and remove.

- △: Clip
- : Pawl
- ⇨: Front



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 center pillar lower finisher, check that clips are securely placed in body panel holes.

BODY SIDE WELT

BODY SIDE WELT : Removal and Installation - Front Door Welt

INFOID:000000011219012

REMOVAL

1. Remove center pillar upper finisher. Refer to [INT-20, "CENTER PILLAR UPPER FINISHER : Removal and Installation"](#).
2. Remove front body side welt.

INSTALLATION

Installation is in the reverse order of removal.

BODY SIDE WELT : Removal and Installation - Rear Door Welt

INFOID:000000011219013

REMOVAL

1. Remove center pillar upper finisher. Refer to [INT-20, "CENTER PILLAR UPPER FINISHER : Removal and Installation"](#).
2. Remove rear body side welt.

INSTALLATION

Installation is in the reverse order of removal.

KICKING PLATE

KICKING PLATE : Removal and Installation - Front Kicking Plate

INFOID:000000011219014

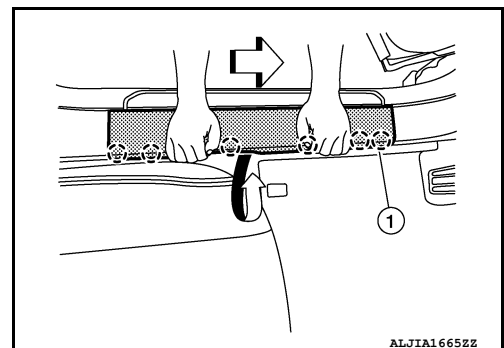
REMOVAL

1. Release front kicking plate (1) inner pawls by lifting up from both ends of front kicking plate as shown.

- ⇨: Front
- : Pawl

CAUTION:

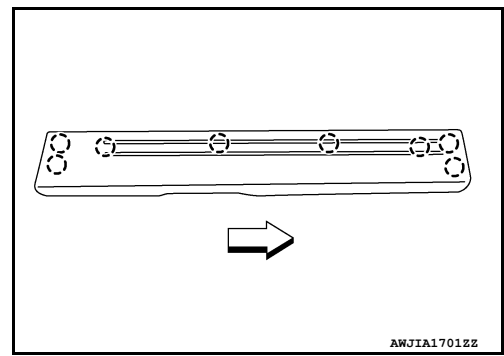
Do not attempt to remove front kicking plate before releasing inner pawls.



BODY SIDE TRIM

< REMOVAL AND INSTALLATION >

2. While lifting front kicking plate inner pawls, release remaining pawls and remove.
⇐: Front
○: Pawl



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 front kicking plate, check that clips and pawls are securely placed in body panel holes.

KICKING PLATE : Removal and Installation - Rear Kicking Plate

INFOID:0000000011219015

REMOVAL

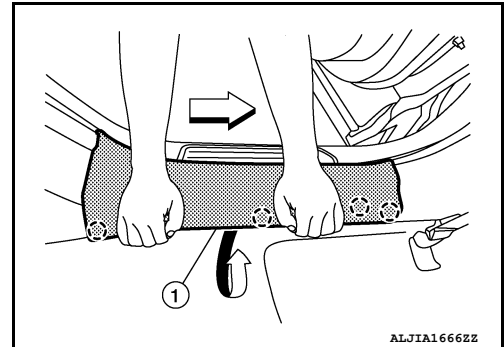
1. Release rear kicking plate inner pawls by lifting up from both ends of rear kicking plate (1) as shown.

⇐: Front

○: Pawl

CAUTION:

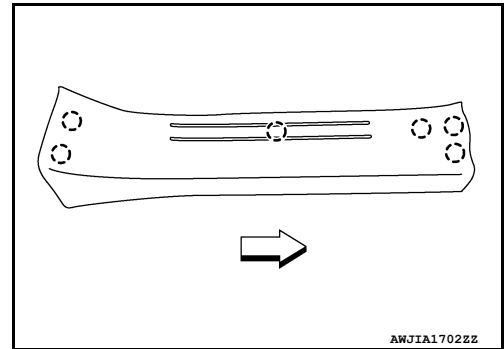
Do not attempt to remove rear kicking plate before releasing inner pawls.



2. While lifting rear kicking plate inner pawls, release remaining pawls and remove.

⇐: Front

○: Pawl



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 rear kicking plate, check that clips and pawls are securely placed in body panel holes.

DASH SIDE FINISHER

DASH SIDE FINISHER : Removal and Installation

INFOID:0000000011550429

REMOVAL

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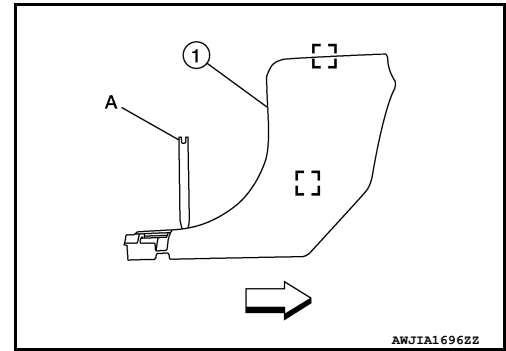
BODY SIDE TRIM

< REMOVAL AND INSTALLATION >

1. Remove front kicking plate. Refer to [INT-22, "KICKING PLATE : Removal and Installation - Front Kicking Plate"](#).
2. Release metal clips using a suitable tool (A) as shown and remove dash side finisher (1).

[]: Metal clip

⇨: Front



INSTALLATION

Installation is in the reverse order of removal.

CAUTION:

- Visually check metal clips for deformation and damage during installation. Replace with new ones if necessary.
- When installing dash side finisher, check that metal clips are securely placed in body panel holes.

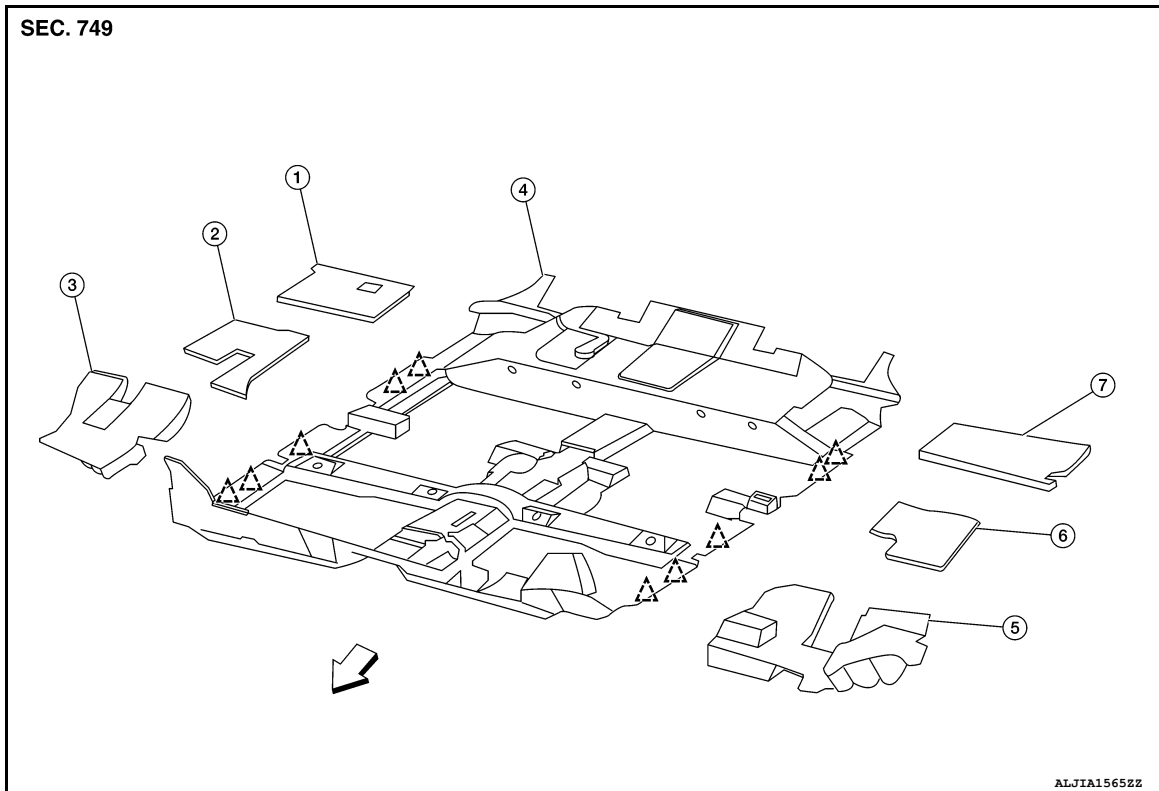
FLOOR TRIM

< REMOVAL AND INSTALLATION >

FLOOR TRIM

Exploded View

INFOID:0000000011219016



- | | | |
|---------------------------|-----------------------------|-----------------------------|
| 1. Floor rear spacer (RH) | 2. Floor center spacer (RH) | 3. Floor front spacer (RH) |
| 4. Floor trim | 5. Floor front spacer (LH) | 6. Floor center spacer (LH) |
| 7. Floor rear spacer (RH) | △ Clip | ⇒ Front |

Removal and Installation

INFOID:0000000011219017

REMOVAL

CAUTION:

Before servicing, turn ignition switch off, disconnect both battery cables and wait at least three minutes.

1. Disconnect negative and positive battery terminals then wait at least three minutes. Refer to [PG-86, "Removal and Installation"](#).
2. Remove luggage side upper finishers (LH/RH). Refer to [INT-31, "LUGGAGE SIDE UPPER FINISHER : Removal and Installation"](#)
3. Remove front seats (LH/RH). Refer to [SE-128, "Removal and Installation"](#).
4. Remove second row seats. Refer to [SE-140, "Removal and Installation"](#).
5. Remove center console assembly. Refer to [IP-19, "Removal and Installation"](#).
6. Remove shift selector bracket.
7. Remove rear floor connecting duct. Refer to [VTL-9, "Exploded View"](#).
8. Remove instrument stay bracket (RH). Refer to [IP-15, "Exploded View"](#).
9. Using a suitable tool release harness clips.
10. Using a suitable tool release front seat belt anchor bolt finisher (LH only) and remove front floor trim.

INSTALLATION

Installation is in the reverse order of removal.

HEADLINING

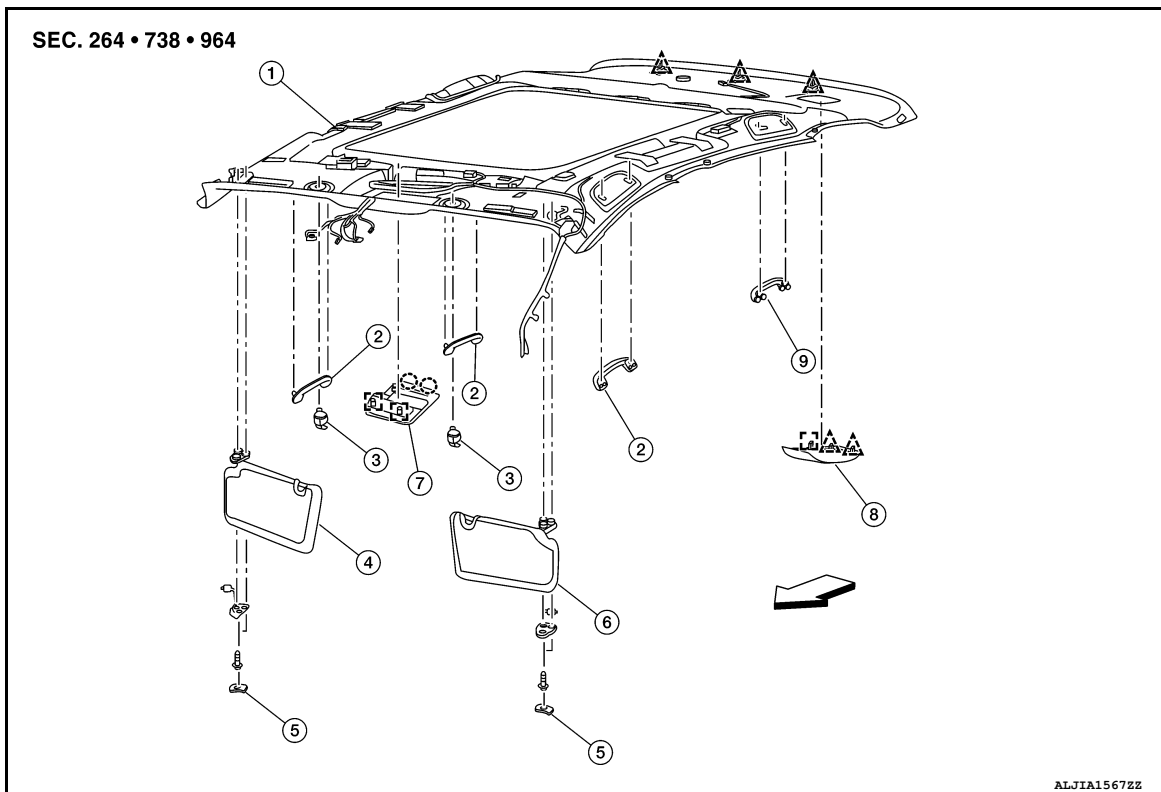
< REMOVAL AND INSTALLATION >

HEADLINING

Exploded View

INFOID:000000011219018

WITH PANORAMIC ROOF GLASS



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|---------------------------------|---|-----------------------------------|
| 1. Headlining | 2. Assist grip (without coat hanger) | 3. Sun visor holder (LH/RH) |
| 4. Sun visor (RH) | 5. Sun visor cover (LH/RH) | 6. Sun visor (LH) |
| 7. Front room/map lamp assembly | 8. Rear seat belt center retractor finisher | 9. Assist grip (with coat hanger) |

← Front
○ Pawl

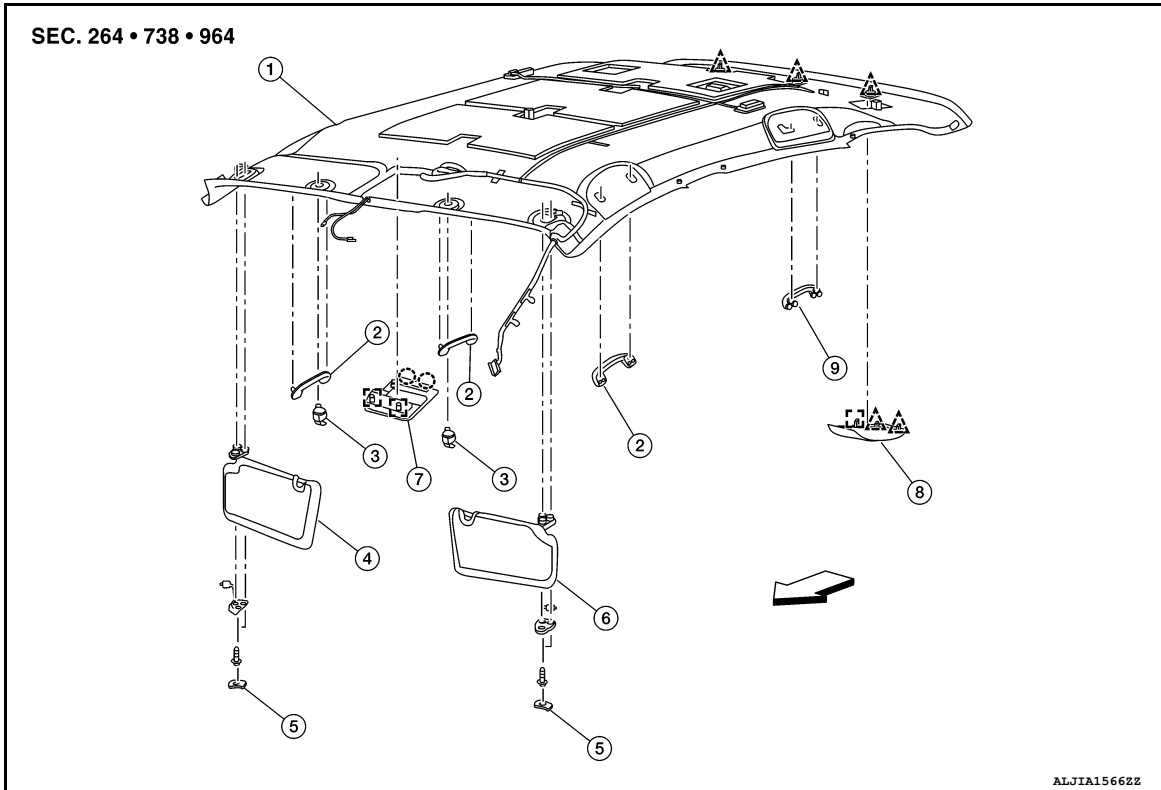
△ Clip

□ Metal clip

HEADLINING

< REMOVAL AND INSTALLATION >

WITHOUT PANORAMIC ROOF GLASS



- | | | |
|---------------------------------|---|-----------------------------------|
| 1. Headlining | 2. Assist grip (without coat hanger) | 3. Sun visor holder (LH/RH) |
| 4. Sun visor (RH) | 5. Sun visor cover (LH/RH) | 6. Sun visor (LH) |
| 7. Front room/map lamp assembly | 8. Rear seat belt center retractor finisher | 9. Assist grip (with coat hanger) |

← Front
○ Pawl

△ Clip

□ Metal clip

Removal and Installation

INFOID:000000011219019

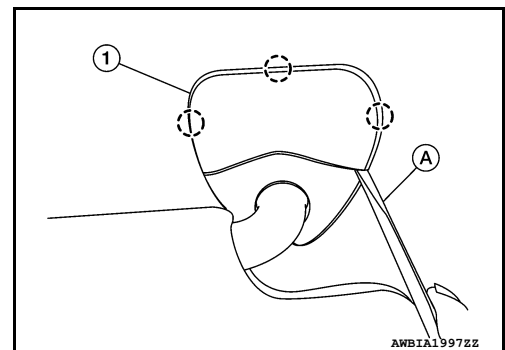
REMOVAL

1. Remove sun visor cover (LH/RH) (1) by inserting a suitable tool (A) as shown.

○: Pawl

CAUTION:

Do not damage headlining or sun visor cover surface.

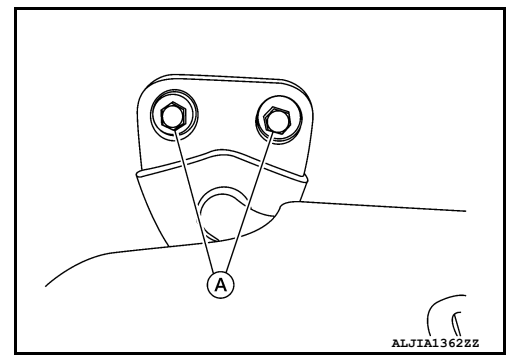


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HEADLINING

< REMOVAL AND INSTALLATION >

2. Remove sun visor bolts (A) (LH/RH) then disconnect harness connectors and remove .

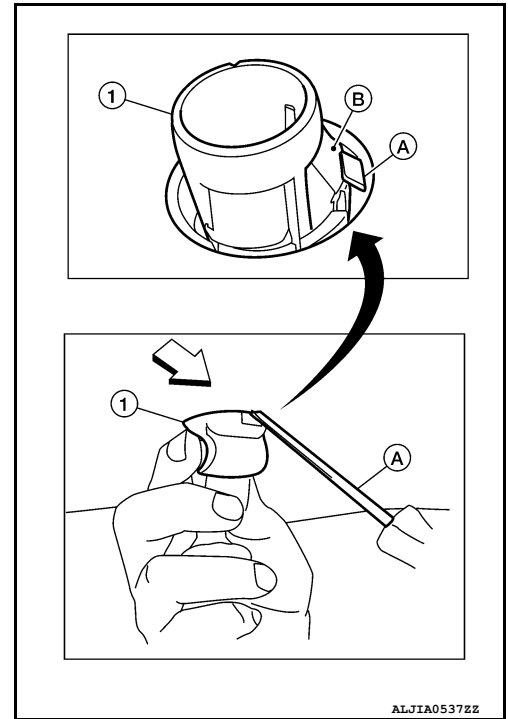


3. Insert a suitable tool (A) at approximately a 30 degree angle into sun visor holder notch on front of sun visor holder (1). Press in to release locking tab (B). While holding in locking tab (B), turn sun visor holder (1) 90 degrees to release it from headliner.
 - If sun visor holder (1) does not fully rotate, make sure that suitable tool (A) is pressing in on locking tab (B) and is not positioned under locking tab (B). Reinsert suitable tool (A) as necessary to release locking tab (B).

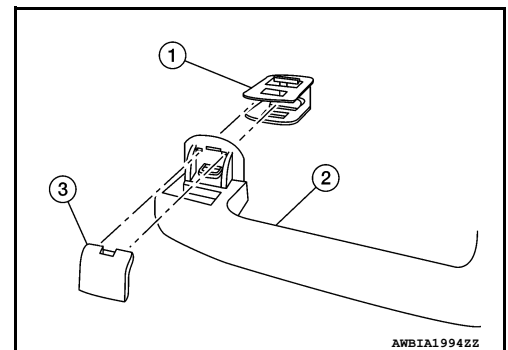
• ←: Front

CAUTION:

Do not force sun visor holder when removing as locking tab may be damaged if suitable tool is not positioned correctly.



4. Disconnect the harness connector from the inside mirror.
5. Remove front assist grip (LH/RH) and rear assist grip (LH/RH).
 - a. Remove assist grip cap (3).
 - b. Release clip (1) and remove assist grip (2).



6. Remove front pillar finisher (LH/RH). Refer to [INT-19. "FRONT PILLAR FINISHER : Removal and Installation"](#).
7. Remove center pillar upper finisher (LH/RH). Refer to [INT-20. "CENTER PILLAR UPPER FINISHER : Removal and Installation"](#).
8. Remove luggage side upper finisher (LH/RH). Refer to [INT-31. "LUGGAGE SIDE UPPER FINISHER : Removal and Installation"](#).
9. Release clips using a suitable tool and remove rear seat belt center retractor finisher. Refer to [INT-26. "Exploded View"](#).

HEADLINING

< REMOVAL AND INSTALLATION >

10. Using a suitable tool release headlining rear clips and remove headlining through back door.

CAUTION:

- **When removing headlining, two workers are required.**
- **Do not bend headlining when removing.**
- **Be careful not to scratch or damage any part of body while taking out headlining.**

INSTALLATION

Installation is in the reverse order of removal.

CAUTION:

- **Do not to bend headlining when installing.**
- **Install metal clips of front room/map lamp assembly and clips of rear end of headlining for positioning.**

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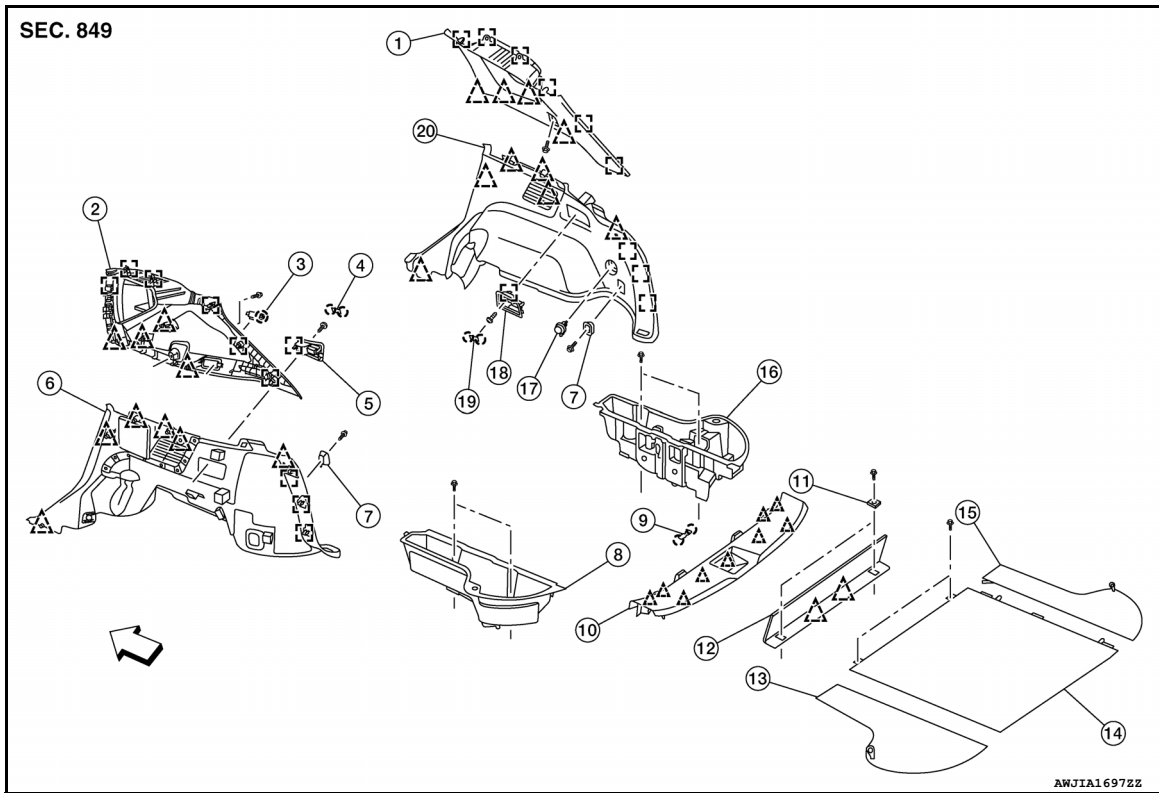
LUGGAGE FLOOR TRIM

< REMOVAL AND INSTALLATION >

LUGGAGE FLOOR TRIM

Exploded View

INFOID:000000011219020



- | | | |
|--|--|---|
| 1. Luggage side upper finisher (RH) | 2. Luggage side upper finisher (LH) | 3. Cargo lamp |
| 4. Rear seat control lever finisher escutcheon (LH) | 5. Rear seat control lever finisher (LH) | 6. Luggage side lower finisher (LH) |
| 7. Coat hook (LH/RH) | 8. Storage box (LH) | 9. Back door striker finisher |
| 10. Back door kicking plate | 11. Luggage floor hook (LH/RH) | 12. Luggage floor front finisher |
| 13. Luggage floor side finisher (LH) | 14. Luggage floor rear finisher | 15. Luggage floor side finisher (RH) |
| 16. Storage box (RH) | 17. Rear cargo power socket | 18. Rear seat control lever finisher (LH) |
| 19. Rear seat control lever finisher escutcheon (RH) | 20. Luggage side lower finisher (LH) | ○ Pawl |
| △ Clip | □ Metal clip | ⇒ Front |

LUGGAGE SIDE LOWER FINISHER

LUGGAGE SIDE LOWER FINISHER : Removal and Installation

INFOID:000000011219022

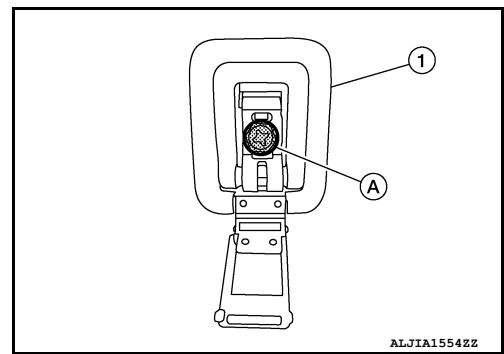
REMOVAL

1. Remove back door kicking plate. Refer to [INT-32, "BACK DOOR KICKING PLATE : Removal and Installation"](#).
2. Remove rear kicking plate. Refer to [INT-23, "KICKING PLATE : Removal and Installation - Rear Kicking Plate"](#).
3. Remove luggage side upper finisher. Refer to [INT-31, "LUGGAGE SIDE UPPER FINISHER : Removal and Installation"](#).
4. Remove second row seat belt anchor bolt. Refer to [SB-13, "Exploded View"](#).

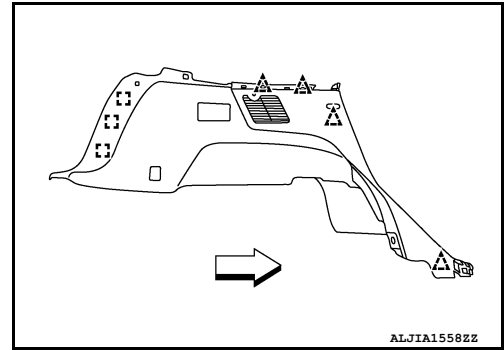
LUGGAGE FLOOR TRIM

< REMOVAL AND INSTALLATION >

5. Remove luggage side lower finisher coat hook bolt (A) and coat hook (1).



6. Remove rear seat control lever finisher escutcheon. Refer to [INT-30. "Exploded View"](#).
7. Remove screw and remove rear seat control lever finisher.
8. Using a suitable tool remove luggage net hooks.
9. Using a suitable tool release luggage side lower finisher clips.
△: Clip
⇨: Front



10. Disconnect the harness connector from the power socket (RH only), release the second row seat belt from the luggage side lower finisher and remove.

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 luggage side lower finisher, check that clips and pawls are securely placed in body panel holes.

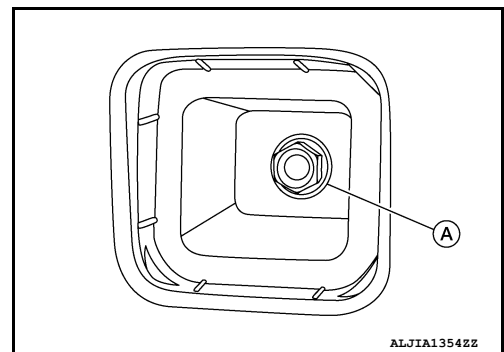
LUGGAGE SIDE UPPER FINISHER

LUGGAGE SIDE UPPER FINISHER : Removal and Installation

INFOID:0000000011219023

REMOVAL

1. Remove luggage side upper finisher bolt (A).



2. Using a suitable tool release pawls and remove second row seat belt d-ring finisher.
3. Remove second row seat belt d-ring anchor bolt and remove second row seat belt d-ring.
4. Using a suitable tool release clips, disconnect the harness connector (LH) and remove the luggage side upper finisher.

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LUGGAGE FLOOR TRIM

< REMOVAL AND INSTALLATION >

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 luggage side upper finisher, check that clips are securely placed in body panel holes.

STORAGE BOX

STORAGE BOX : Removal and Installation

INFOID:000000011219025

REMOVAL

1. Remove luggage side floor board. Refer to [INT-30. "Exploded View"](#).
2. Raise and support luggage floor board using a suitable tool.
3. Remove screws (A) and remove storage box side finisher (1).

INSTALLATION

Installation is in the reverse order of removal.

BACK DOOR KICKING PLATE

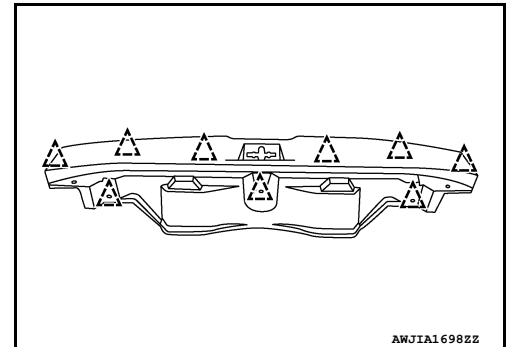
BACK DOOR KICKING PLATE : Removal and Installation

INFOID:000000011552722

REMOVAL

1. Remove storage box (LH/RH). Refer to [INT-32. "STORAGE BOX : Removal and Installation"](#).
2. Release pawls using a suitable tool and remove back door striker escutcheon.
3. Release back door kicking plate clips and pawls using a suitable tool and remove.

- △: Clip
- : Pawl



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 back door kicking plate, check that clips are securely placed in body panel holes.

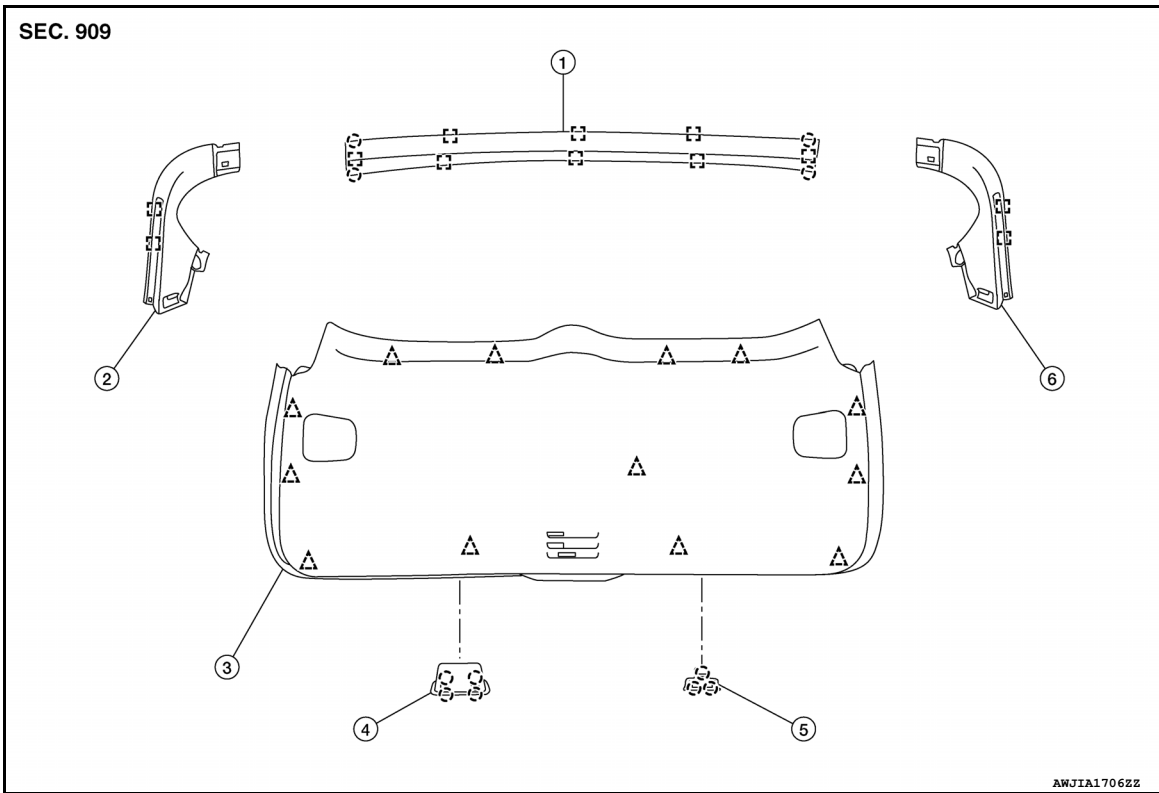
BACK DOOR TRIM

< REMOVAL AND INSTALLATION >

BACK DOOR TRIM

Exploded View

INFOID:000000011219027



- | | | |
|-----------------------------|---|---------------------------------|
| 1. Back door upper finisher | 2. Back door side finisher (RH) | 3. Back door lower finisher |
| 4. Back door pull handle | 5. Automatic back door close switch (if equipped) | 6. Back door side finisher (LH) |
| Pawl | Clip | Metal clip |

BACK DOOR UPPER FINISHER

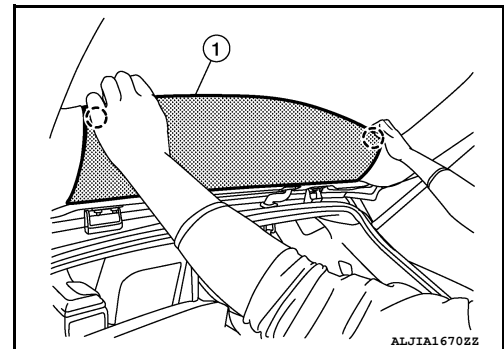
BACK DOOR UPPER FINISHER : Removal and Installation

INFOID:000000011219028

REMOVAL

1. Release back door upper finisher (1) upper pawls as shown.

Pawl



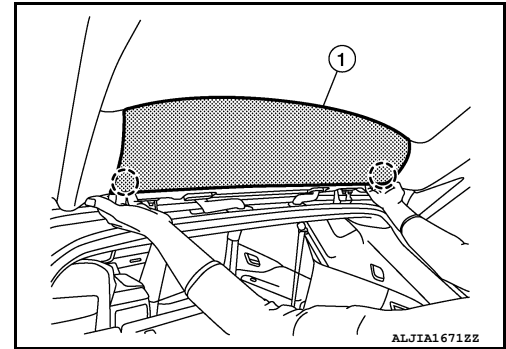
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BACK DOOR TRIM

< REMOVAL AND INSTALLATION >

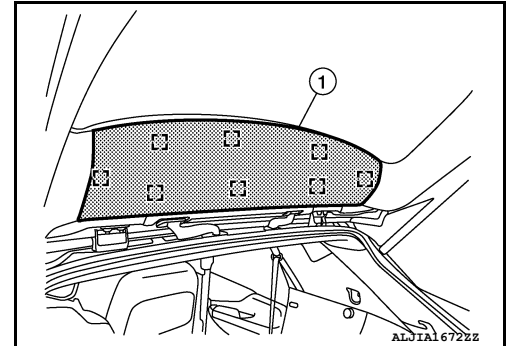
2. Release back door upper finisher (1) lower pawls as shown.

○: Pawl



3. Release metal clips and remove back door upper finisher (1).

□: Metal clip



INSTALLATION

Installation is in the reverse order of removal.

CAUTION:

- Visually check metal clips for deformation and damage during installation. Replace with new ones if necessary.
- When installing back door upper finisher, check that metal clips are securely placed in body panel holes.

BACK DOOR LOWER FINISHER

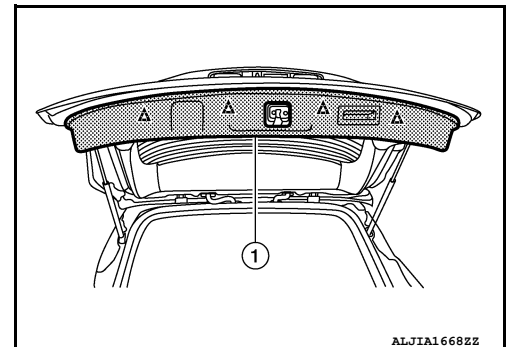
BACK DOOR LOWER FINISHER : Removal and Installation

INFOID:000000011219030

REMOVAL

1. Release clips from back door lower finisher (1) using a suitable tool.

△: Clip



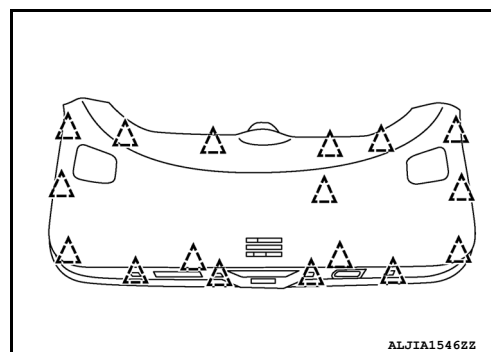
2. Remove back door pull handle. Refer to [INT-33. "Exploded View"](#).

BACK DOOR TRIM

< REMOVAL AND INSTALLATION >

3. Release remaining back door lower finisher clips using a suitable tool.

△: Clip



4. Disconnect the harness connector (if equipped) from the back door lower finisher then remove the back door lower finisher.

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 back door lower finisher, check that clips are securely placed in body panel holes.

BACK DOOR SIDE FINISHER

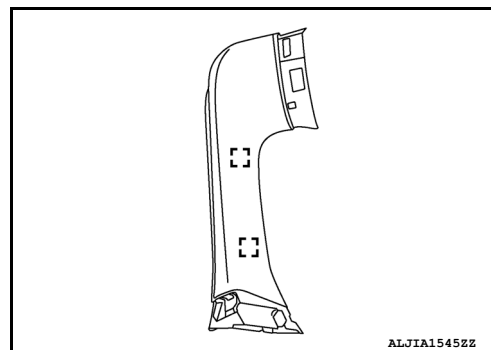
BACK DOOR SIDE FINISHER : Removal and Installation

INFOID:000000011219029

REMOVAL

1. Remove back door upper finisher. Refer to [INT-33, "BACK DOOR UPPER FINISHER : Removal and Installation"](#).
2. Remove back door lower finisher. Refer to [INT-34, "BACK DOOR LOWER FINISHER : Removal and Installation"](#).
3. Release back door side finisher metal clips using a suitable tool then remove back door side finisher.

□: Metal clip



INSTALLATION

Installation is in the reverse order of removal.

CAUTION:

- Visually check metal clips for deformation and damage during installation. Replace with new ones if necessary.
- When installing back door side finisher, check that metal clips are securely placed in body panel holes.