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#### **PRECAUTIONS**

#### < PRECAUTION >

# **PRECAUTION**

# **PRECAUTIONS**

# Precaution for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRF-TFNSIONER"

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

#### **WARNING:**

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

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

#### WARNING:

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

Precaution for Work INFOID:0000000009756896

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

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# **PREPARATION**

# **PREPARATION**

# Special Service Tool

INFOID:0000000009756897

e actual shape of the tools may differ fro	on those maditated here.	Description
Tool number		Description
(TechMate No.)		
Tool name		
_		Locating the noise
(J-39570)	д д д д п	
Chassis Ear		
	- pp p & X	
	SBT839	
	62766	Denoising the source of point
 (J-50397)		Repairing the cause of noise
NISSAN Squeak and Rattle kit		
NISSAN Squeak and Nattle kit	XX ONIO	
	AN eller & Assenbs	
	ALJIA1232ZZ	
_		Removing trim components
(J-46534)		
Trim Tool Set	)-))	

# **Commercial Service Tool**

INFOID:0000000009756898

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

# **CLIP LIST**

# **Descriptions for Clips**

#### INFOID:0000000009756899

# Replace any clips which are damaged during removal or installation.

Symbol No.	Shapes	Removal & Installation
C101		Removal: Remove by bending up with flat-bladed screwdrivers or clip remover.
C103	TTTT	Removal: Remove with a clip remover.
C203 [ (7)		Removal: Push center pin to catching position. (Do not remove center pin by hitting it.) Push Push Installation:
C205		Removal: Flat-bladed screwdriver  Clip Finisher
C206		Removal:

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Symbol No.	Shapes	Removal & Installation
CE103		Removal:
CF110	Clip A	Removal:  Finisher Clip A  Flat-bladed screwdrivers  Clip B
CF118	Clip A Clip B (Grommet)	Removal:  Flat-bladed Finisher screwdrivers  Body panel  Clip A Clip B (Grommet)
CR103		Removal: Holder portion of clip must be spread out to remove rod.
CS101		Removal:  1. Screw out with a Phillips screwdriver.  2. Remove female portion with flat-bladed screwdriver.

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Symbol No.	Shapes	Removal & Installation
CG101		Removal: Installation:  Rotate 45° to remove  Removal:
CS102	X)	
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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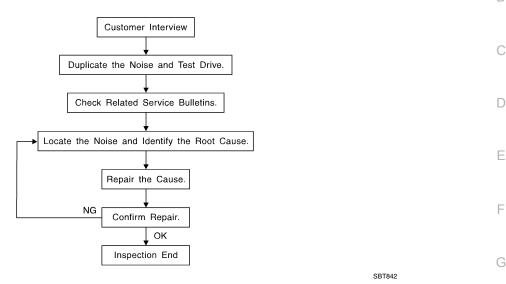
Symbol No.	Shapes	Removal & Installation
CG104		Removal: Remove by bending up with flat-bladed screwdrivers. Radiator grille Body panel
CE114		
CF118	Clip A  Clip B (Grommet)	Removal: Flat-bladed Finisher screwdrivers Body panel Clip A Clip B (Grommet)

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# SYMPTOM DIAGNOSIS

# SQUEAK AND RATTLE TROUBLE DIAGNOSES

Work Flow



#### **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 <a href="INT-13">INT-13</a>, "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/offen b

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

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#### < 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.
- 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 <u>INT-10</u>, "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 seperately 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:000000001029016

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

#### < SYMPTOM DIAGNOSIS >

#### INSTRUMENT PANEL

Most incidents are caused by contact and movement between:

- Cluster lid A and the instrument panel
- Acrylic lens and combination meter housing
- Instrument panel to front pillar finisher
- Instrument panel to windshield
- Instrument panel pins
- 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 har-

#### **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
- 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
- Inside handle escutcheon to door finisher
- Wiring harnesses tapping
- 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:

- Trunk lid bumpers out of adjustment
- Trunk lid striker out of adjustment
- The trunk lid torsion bars knocking together
- 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:

- Sunroof lid, rail, linkage or seals making a rattle or light knocking noise
- Sun visor shaft shaking in the holder
- 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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#### < SYMPTOM DIAGNOSIS >

- 1. Loose harness or harness connectors.
- 2. Front console map/reading lamp lens loose.
- 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:

- Headrest rods and holder
- 2. A squeak between the seat pad cushion and frame
- 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.

## < SYMPTOM DIAGNOSIS >

# **Diagnostic Worksheet**

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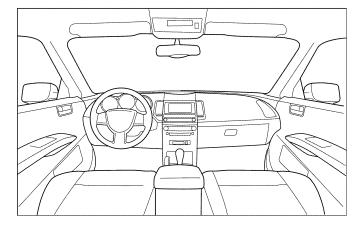
#### Dear Customer:

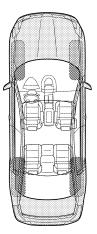
We are concerned about your satisfaction with your vehicle. Repairing a squeak or rattle sometimes can be very difficult. To help us fix your vehicle right the first time, please take a moment to note the area of the vehicle where the squeak or rattle occurs and under what conditions. You may be asked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

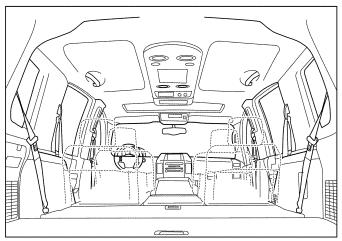
#### **SQUEAK & RATTLE DIAGNOSTIC WORKSHEET**

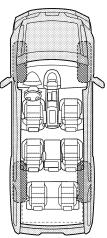
# I. WHERE DOES THE NOISE COME FROM? (circle the area of the vehicle)

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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< SYMPTOM DIAGNOSIS >

II. WHEN DOES IT OCCUR? (please check to Anytime  1 st time in the morning  Only when it is cold outside	_	apply)		
Only when it is hot outside	☐ Dry or dust☐ Other:  IV. WHAT TYF		t	
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	<ul> <li>☐ Creak (like walking on an old wooden floor)</li> <li>☐ Rattle (like shaking a baby rattle)</li> <li>☐ Knock (like a knock at the door)</li> <li>☐ Tick (like a clock second hand)</li> <li>☐ Thump (heavy muffled knock noise)</li> <li>☐ Buzz (like a bumble bee)</li> </ul>			
TO BE COMPLETED BY DEALERSHIP PER: Test Drive Notes:	SONNEL	NO	Initials of person	
Vehicle test driven with customer			performing	
Noise verified on test drive     Noise source located and repaired	pair			
- Follow up test drive performed to confirm re	_	_		

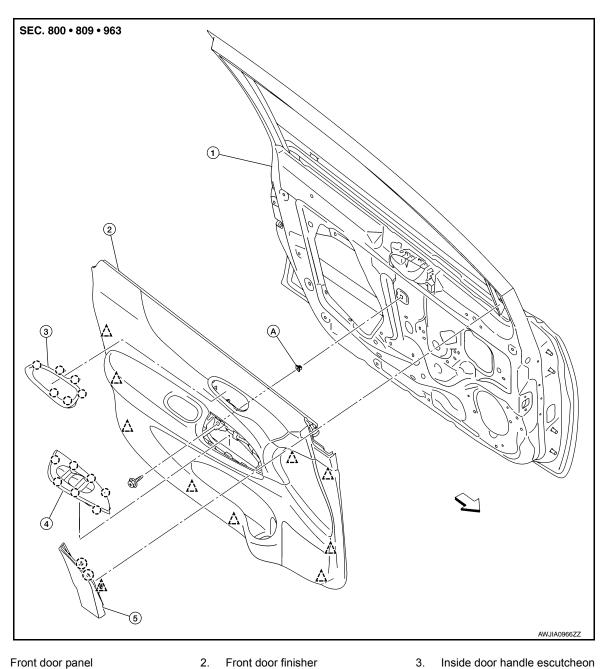
This form must be attached to Work Order

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# REMOVAL AND INSTALLATION

# FRONT DOOR FINISHER

**Exploded View** INFOID:0000000009756903



- Front door panel
- Main power window and door lock/ unlock switch finisher
- \_^\_ Clip

- 5.
  - Door mirror corner finisher
  - ( Pawl

- Inside door handle escutcheon
- Grommet
- < ☐ Front

### NOTE:

LH side shown; RH similar.

# Removal and Installation

# **CAUTION:**

• When removing, always use a suitable tool that is made of plastic to prevent damage to the parts.

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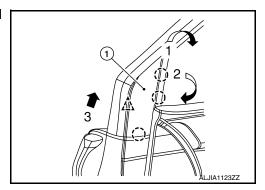
# FRONT DOOR FINISHER

## < REMOVAL AND INSTALLATION >

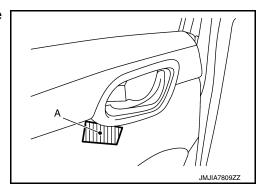
• Do not damage the door panel.

#### **REMOVAL**

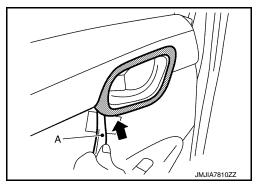
1. Remove door mirror corner finisher (1) according to numerical order of arrows as shown.



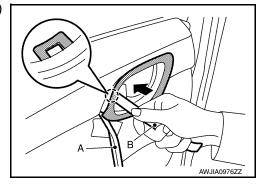
- 2. Remove inside door handle escutcheon.
- a. Apply protective tape (A) to protect the component from damage as shown.



b. Insert a suitable tool (A) as shown between inside door handle escutcheon and inside door handle.



- c. With suitable tool (A) in position, insert a second suitable tool (B) as shown, then release pawl.
  - ( ): Pawl

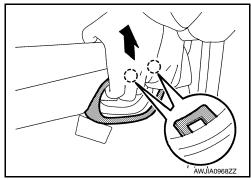


## FRONT DOOR FINISHER

## < REMOVAL AND INSTALLATION >

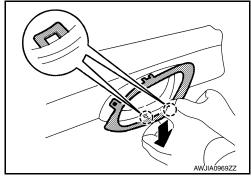
d. Pull upward on the inside door handle escutcheon as shown to release the pawls on the upper portion of inside door handle escutcheon.





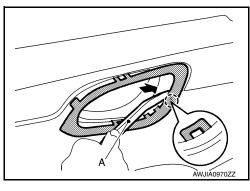
e. Press down on the inside door handle escutcheon as shown to release the pawls on the lower portion of inside door handle escutcheon.

( ): Pawl



f. Insert a suitable tool (A) as shown to release the remaining pawl and remove.

( ): Pawl

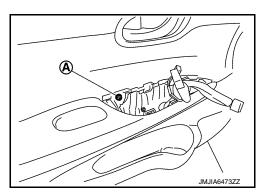


3. Remove the main power window and door lock/unlock switch (LH). Refer to <a href="PWC-70">PWC-70</a>, "Removal and Installation".

4. Remove the main power window and door lock/unlock switch (RH). Refer to <a href="PWC-71">PWC-71</a>, "Removal and Installation".

5. Remove front door finisher.

a. Remove front door finisher screw (A).



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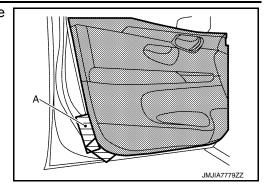
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# FRONT DOOR FINISHER

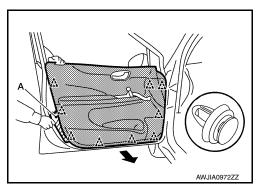
## < REMOVAL AND INSTALLATION >

b. Apply protective tape (A) to protect the component from damage as shown.

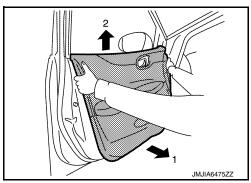


c. Release front door finisher clips using a suitable tool (A) as shown.





d. Remove front door finisher as shown.



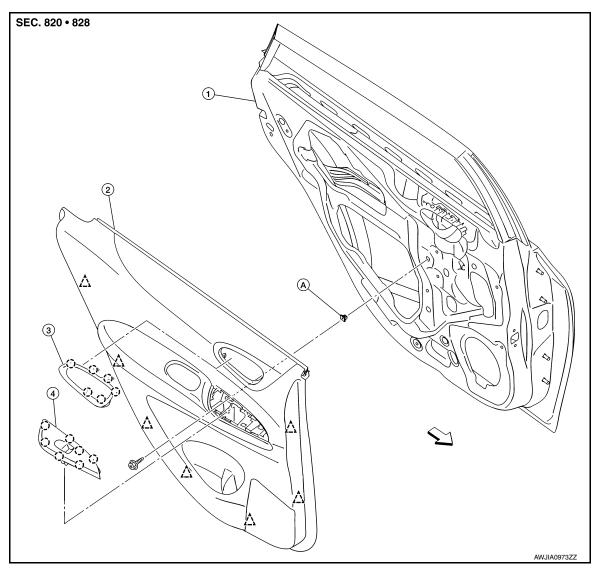
## **INSTALLATION**

Installation is in the reverse order of removal.

#### CAUTION:

When installing, check that clips are accurately aligned with the holes on the door panel, then press in.

Exploded View



- 1. Rear door panel
- 4. Rear power window switch finisher
- ( Pawl

- 2. Rear door finisher
- A. Grommet

- 3. Inside door handle escutcheon
- \_\_\_\_ Clip

# Removal and Installation

#### CAUTION:

- When removing, always use a suitable tool that is made of plastic to prevent damage to the parts.
- Do not damage the door panel.

## **REMOVAL**

1. Remove inside door handle escutcheon.

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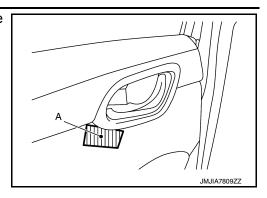
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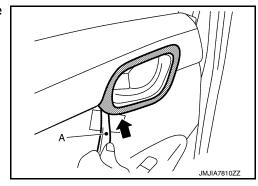
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## < REMOVAL AND INSTALLATION >

 Apply protective tape (A) to protect the component from damage as shown.

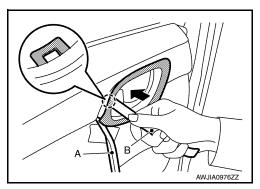


b. Insert a suitable tool (A) as shown between inside door handle escutcheon and inside door handle.



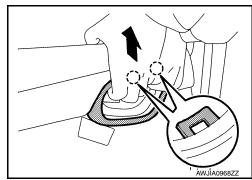
c. With suitable tool (A) in position, insert a second suitable tool (B) as shown, then release pawl as shown.





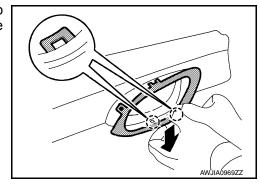
d. Pull upward on the inside door handle escutcheon as shown to release the pawls on the upper portion of inside door handle escutcheon.

( ): Pawl



e. Press down on the inside door handle escutcheon as shown to release the pawls on the lower portion of inside door handle escutcheon.

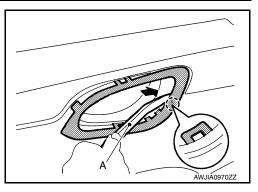
(\_): Pawl



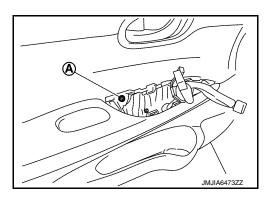
## < REMOVAL AND INSTALLATION >

f. Insert a suitable tool (A) as shown to release the remaining pawl and remove.

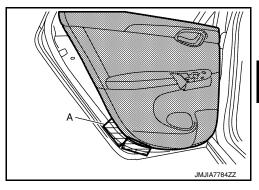




- 2. Remove rear power window switch finisher. Refer to PWC-72, "Removal and Installation".
- 3. Remove rear door finisher.
- a. Remove rear door finisher screw (A).

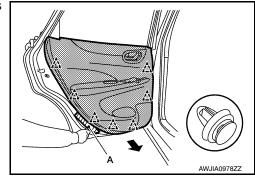


b. Apply protective tape (A) to protect the component from damage as shown.



c. Release rear door finisher clips using a suitable tool (A) as shown.

∠^: Clip



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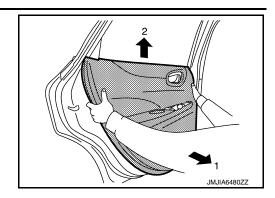
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# < REMOVAL AND INSTALLATION >

d. Remove rear door finisher as shown.



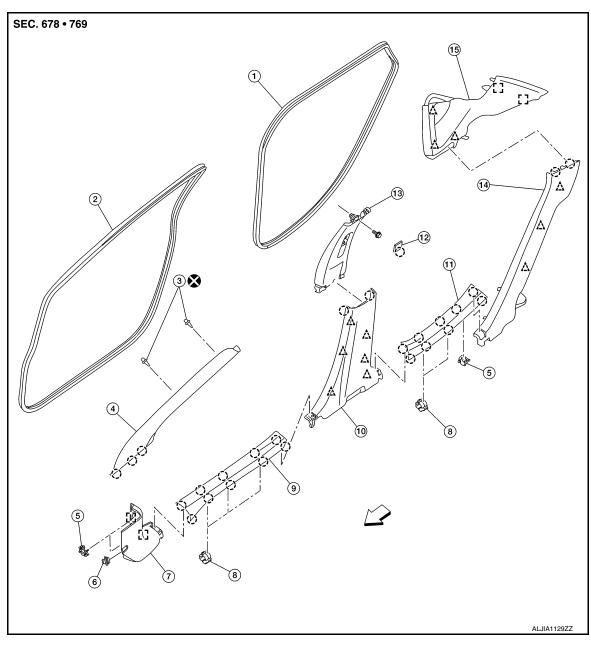
## **INSTALLATION**

Installation is in the reverse order of removal.

#### **CAUTION:**

When installing, check that clips are accurately aligned with the holes on the door panel, then press in.

Exploded View



- 1. Rear body side welt
- 4. Front pillar finisher
- 7. Dash side finisher
- 10. Center pillar lower finisher
- 13. Center pillar upper finisher
- 八 Clip
- < → Front

- 2. Front body side welt
- 5. Metal clip
- 8. Harness protector
- 11. Rear kicking plate inner
- 14. Rear pillar lower finisher
- ? Pawl

- 3. Tether clip
- 6. Dash clip
- 9. Front kicking plate inner

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- 12. Cap
- 15. Rear pillar finisher
- Metal clip

# FRONT PILLAR FINISHER

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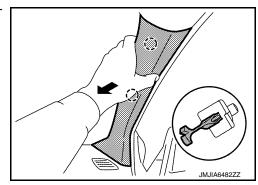
# FRONT PILLAR FINISHER: Removal and Installation

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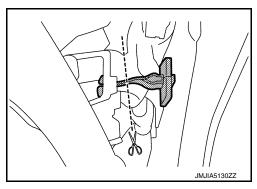
## **REMOVAL**

- 1. Partially remove the front body side welt along the front pillar finisher.
- 2. Remove front pillar finisher.
- a. Pull front pillar finisher to gain access to the front pillar finisher tether clips.

( ): Tether clip

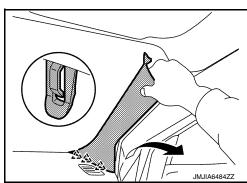


b. Cut each tether clip to release front pillar finisher.



c. Release pawls and remove front pillar finisher.





3. Remove front pillar finisher tether clips from body panel.

#### **INSTALLATION**

Installation is in the reverse order of removal.

#### **CAUTION:**

- · Always replace tether clips with new ones after every removal.
- When installing, check that tether clips are accurately aligned with the holes on body panel, then press in.

## KICKING PLATE INNER

KICKING PLATE INNER: Removal and Installation

INFOID:0000000009756909

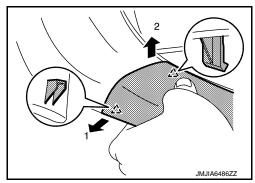
# **FRONT**

Removal

### < REMOVAL AND INSTALLATION >

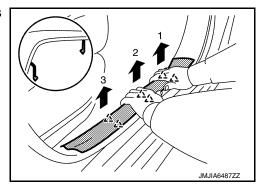
- 1. Move front seat to the full forward position.
- Lift up front end lower of front kicking plate inner while pulling toward inside of the vehicle and release front kicking plate inner pawls as shown.

∠\_`: Pawl



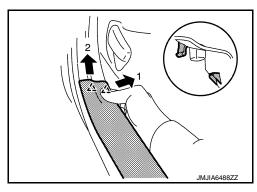
3. Begin at the front and release front kicking plate inner pawls as shown.

∠^: Pawl



4. Lift up rear end lower of front kicking plate inner while pulling toward inside of the vehicle and release front kicking plate inner pawls as shown, then remove front kicking plate inner.

∠\_`: Pawl



Installation

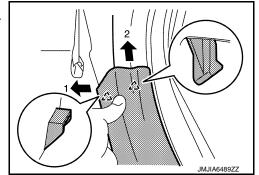
Installation is in the reverse order of removal.

### **REAR**

#### Removal

1. Lift up front end lower of rear kicking plate inner while pulling toward inside of the vehicle and release rear kicking plate inner pawls as shown.

△: Pawl



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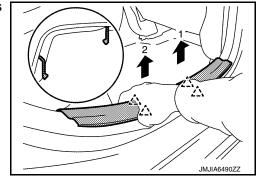
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## < REMOVAL AND INSTALLATION >

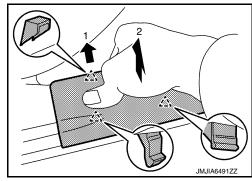
2. Begin at the front and release rear kicking plate inner pawls as shown.





3. Lift up rear end lower of rear kicking plate inner while pulling toward inside of the vehicle and release rear kicking plate inner pawls as shown then remove rear kicking plate inner.

△: Pawl



Installation

Installation is in the reverse order of removal.

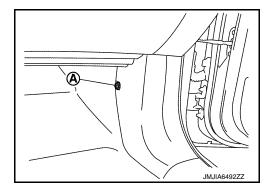
DASH SIDE FINISHER

DASH SIDE FINISHER: Removal and Installation

INFOID:0000000009756910

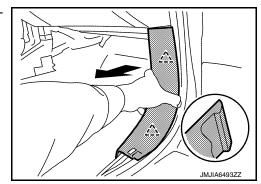
## **REMOVAL**

- 1. Remove front kicking plate inner. Refer to INT-24, "KICKING PLATE INNER: Removal and Installation".
- 2. Remove dash side finisher
- a. Remove dash side finisher clip (A).



b. Pull back dash side finisher as shown to release dash side finisher pawls and remove.





#### < REMOVAL AND INSTALLATION >

#### INSTALLATION

Installation is in the reverse order of removal.

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# **BODY SIDE WELT**

# **BODY SIDE WELT: Removal and Installation**

#### INFOID:0000000009756911

## **FRONT**

#### Removal

- 1. Remove dash side finisher. Refer to INT-26, "DASH SIDE FINISHER: Removal and Installation".
- Remove front body side welt.

#### **CAUTION:**

Use care not to stretch out welt if it is to be reused.

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#### Installation

Installation is in the reverse order of removal.

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# REAR Removal

- 1. Remove rear kicking plate inner. Refer to INT-24, "KICKING PLATE INNER: Removal and Installation".
- 2. Remove rear body side welt.

#### **CAUTION:**

Use care not to stretch out welt if it is to be reused.

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#### Installation

Installation is in the reverse order of removal.

## CENTER PILLAR LOWER FINISHER

# CENTER PILLAR LOWER FINISHER: Removal and Installation

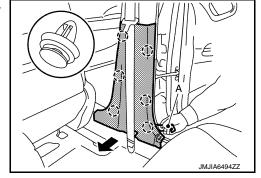
#### INFOID:0000000009756912

# **CAUTION:**

- When removing, always use a remover tool that is made of plastic to prevent damage to the parts.
- Do not damage the body panel.

## **REMOVAL**

- 1. Move front seat to the full forward position.
- Remove front and rear body side welts. Refer to <u>INT-27</u>, "BODY SIDE WELT: Removal and Installation".
- 3. Remove center pillar lower finisher.
- a. Release center pillar lower finisher clips using a suitable tool (A).(\_): Clip



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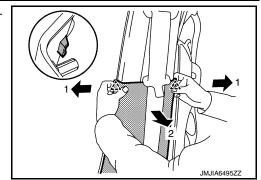
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#### < REMOVAL AND INSTALLATION >

b. Release center pillar lower finisher pawls as shown and remove. 23: Pawl



#### **INSTALLATION**

Installation is in the reverse order of removal.

#### **CAUTION:**

When installing, check that clips are accurately aligned with the holes on body panel, then press in.

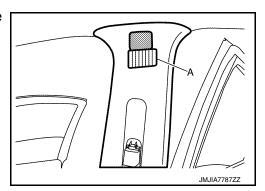
# CENTER PILLAR UPPER FINISHER

# CENTER PILLAR UPPER FINISHER: Removal and Installation

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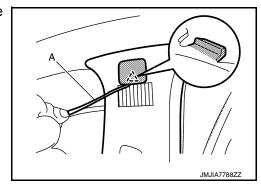
#### **REMOVAL**

- 1. Remove center pillar lower finisher. Refer to <a href="INT-27">INT-27</a>, "CENTER PILLAR LOWER FINISHER: Removal and Installation".
- 2. Remove front seat belt D-ring anchor. Refer to SB-8, "Removal and Installation".
- 3. Remove center pillar upper finisher.
- a. Apply protective tape (A) to protect the component from damage as shown.



b. Release center pillar upper finisher cap pawl using a suitable tool (A) and remove.



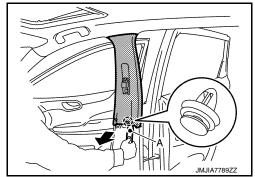


c. Remove the center pillar upper finisher bolt.

#### < REMOVAL AND INSTALLATION >

d. Release center pillar upper finisher lower clip using a suitable tool (A) as shown and remove.





#### **INSTALLATION**

Installation is in the reverse order of removal.

#### **CAUTION:**

When installing, check that clips are accurately aligned with the holes on body panel, then press in.

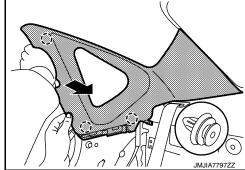
# REAR PILLAR FINISHER

# REAR PILLAR FINISHER: Removal and Installation

#### REMOVAL

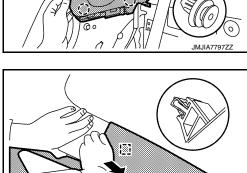
- 1. Remove rear pillar lower finisher. Refer to <a href="INT-30">INT-30</a>, "REAR PILLAR FINISHER: Removal and Installation Rear Pillar Lower Finisher".
- 2. Remove rear pillar finisher.
- a. Release the clips as shown.

( ): Clip



b. Release the metal clips as shown.

[]: Metal clip



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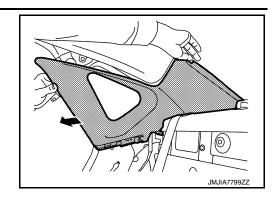
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#### < REMOVAL AND INSTALLATION >

c. Pull rear pillar finisher forward and remove.



#### **INSTALLATION**

Installation is in the reverse order of removal.

#### **CAUTION:**

When installing, check that all clips are accurately aligned with the holes on body panel, then press in.

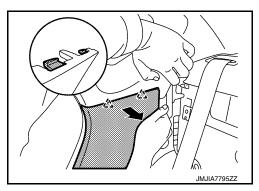
# REAR PILLAR FINISHER: Removal and Installation - Rear Pillar Lower Finisher

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#### **REMOVAL**

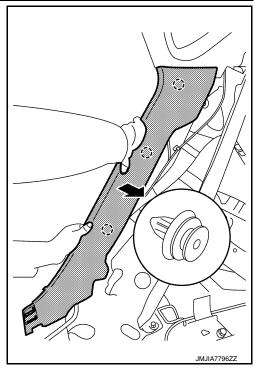
- 1. Remove the rear seat bolster. Refer to SE-24, "Removal and Installation Rear Seat Bolster".
- 2. Remove the rear kicking plate inner. Refer to <a href="INT-24">INT-24</a>, "KICKING PLATE INNER: Removal and Installation".
- 3. Remove the rear pillar lower finisher.
- a. Release pawls at the upper portion of the rear pillar lower finisher as shown.





# < REMOVAL AND INSTALLATION >

b. Release clips and remove the rear pillar lower finisher as shown.(\_): Clip



## **INSTALLATION**

Installation is in the reverse order of removal.

#### **CAUTION:**

When installing, check that clips and pawls are accurately aligned with the holes on body panel, then press in.

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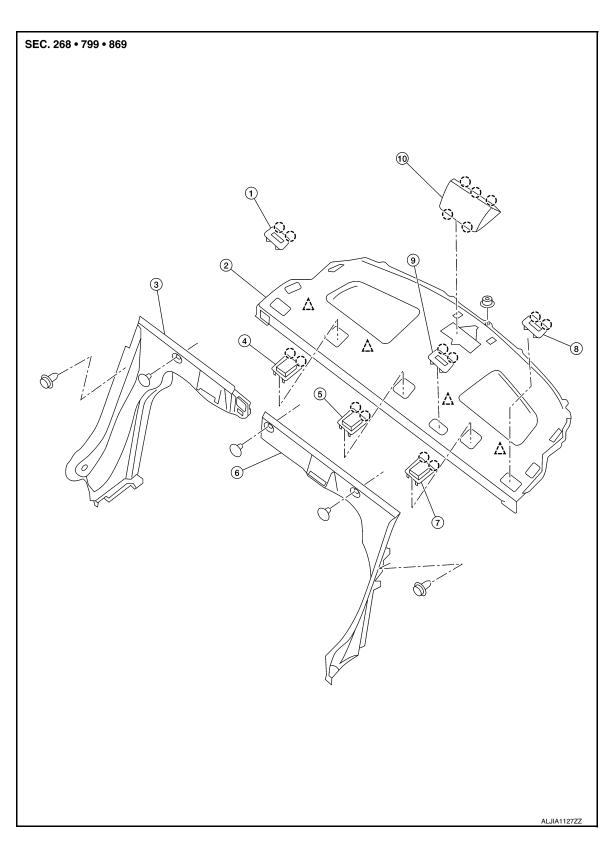
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# REAR PARCEL SHELF FINISHER

Exploded View



- 1. Seat belt finisher (RH)
- 4. Top tether strap anchor finisher (RH)
- 2. Rear parcel shelf finisher
- 5. Top tether strap anchor finisher (center)
- 3. Rear seatback finisher (RH)
- 6. Rear seatback finisher (LH)

## REAR PARCEL SHELF FINISHER

### < REMOVAL AND INSTALLATION >

- Top tether strap anchor finisher (LH)
- 3. Seat belt finisher (LH)
- 9. Seat belt finisher (center)

10. High-mounted stop lamp

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# Removal and Installation

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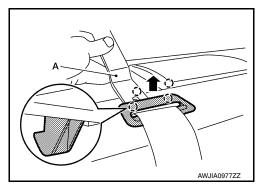
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#### **REMOVAL**

1. Remove high-mounted stop lamp (if equipped). Refer to EXL-124, "Removal and Installation".

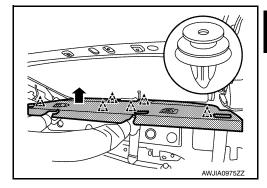
Pawl

- 2. Remove rear pillar finisher (LH/RH). Refer to <a href="INT-29">INT-29</a>, "REAR PILLAR FINISHER: Removal and Installation".
- 3. Remove top three clips from the rear seatback finishers (LH/RH).
- 4. Remove the rear seat belt lower anchor bolts. Refer to <u>SB-11, "Removal and Installation Seat Belt Retractor".</u>
- 5. Remove rear parcel shelf finisher.
- Release seat belt finisher pawls using a suitable tool (A) and remove all seat belt finishers (LH/RH/center).
  - ( ): Pawl

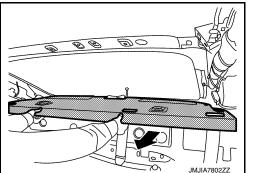


- b. Route all rear seat belts through rear parcel shelf finisher.
- c. Release the rear parcel shelf finisher clips as shown.

六: Clip



d. Pull rear parcel shelf finisher forward and remove.



6. Remove top tether strap anchor finishers from rear parcel shelf finisher.

#### **INSTALLATION**

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Installation is in the reverse order of removal.

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# **REAR PARCEL SHELF FINISHER**

# < REMOVAL AND INSTALLATION >

# Removal and Installation-Top Tether Strap Anchor Finisher

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## **REMOVAL**

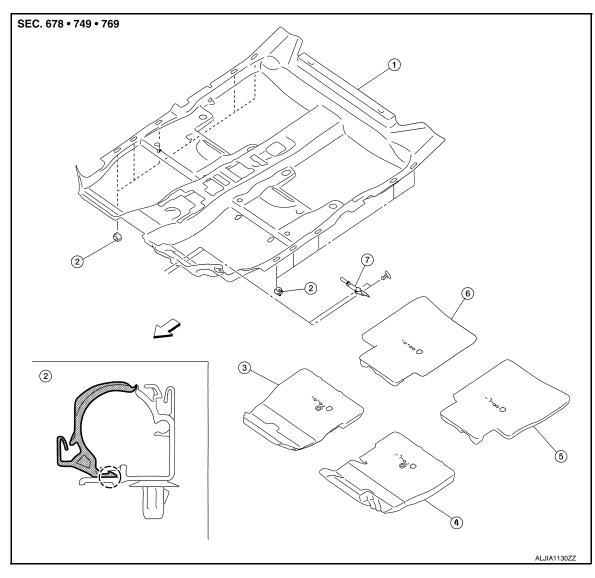
Release top tether strap anchor finisher pawls and remove the top tether strap anchor finisher.

# **INSTALLATION**

Installation is in the reverse order of removal.

# **FLOOR TRIM**

Exploded View



- 1. Floor trim
- 4. Front floor spacer (LH)
- 7. Column hole cover
- 2. Harness protector
- 5. Rear floor spacer (LH)
- ( Pawl

- Front floor spacer (RH)
- 6. Rear floor spacer (RH)

# Removal and Installation

REMOVAL

- Remove front seat assemblies. Refer to the following.
   Refer to <u>SE-18</u>, "<u>DRIVER SIDE</u>: <u>Removal and Installation Seat Assembly</u>" (Driver Seat).
  - Refer to SE-20, "PASSENGER SIDE: Removal and Installation Seat Assembly" (Passenger Seat).
- 2. Remove rear seat cushion assembly. Refer to <u>SE-23, "Removal and Installation Seat Cushion Assembly"</u>
- 3. Remove dash side finishers (LH/RH). Refer to <a href="INT-26">INT-26</a>, "DASH SIDE FINISHER: Removal and Installation".
- 4. Remove center pillar lower finishers (LH/RH). Refer to <a href="INT-27">INT-27</a>, "CENTER PILLAR LOWER FINISHER: Removal and Installation".

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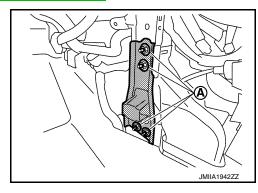
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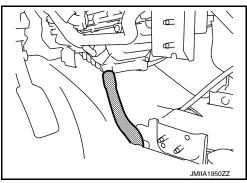
# **FLOOR TRIM**

#### < REMOVAL AND INSTALLATION >

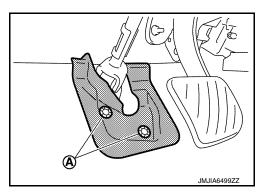
- 5. Remove rear pillar lower finishers (LH/RH). Refer to <u>INT-30, "REAR PILLAR FINISHER: Removal and Installation Rear Pillar Lower Finisher"</u>.
- 6. Remove lap pre-tensioner anchor bolt. Refer to SB-8, "Removal and Installation".
- 7. Remove center console assembly. Refer to IP-17, "Removal and Installation".
- 8. Remove console rear bracket. Refer to IP-17, "Exploded View".
- 9. Remove rear floor duct. Refer to <u>VTL-7</u>, "<u>REAR FLOOR DUCT</u>: Removal and Installation Rear Floor <u>Duct</u>".
- 10. Remove shift selector assembly. Refer to <a href="mailto:TM-253">TM-253</a>, "Removal and Installation".
- 11. Remove diagnosis sensor unit. Refer to SR-28, "Removal and Installation".
- 12. Remove parking brake lever assembly. Refer to PB-7, "Removal and Installation".
- 13. Remove nut (A) and then remove instrument stay.



14. Disconnect drain hose.

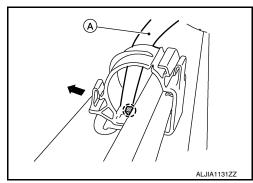


15. Remove clips (A) and the column hole cover.



16. Release pawl using a suitable tool (A) and open the harness protector.





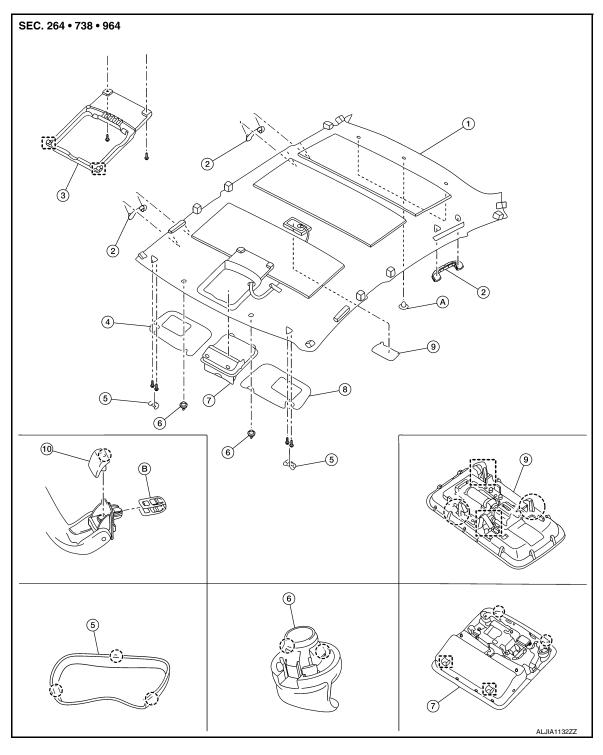
# **FLOOR TRIM**

FLOOR TRIM	
< REMOVAL AND INSTALLATION >	
17. Remove floor trim.  INSTALLATION	Α
Installation is in the reverse order of removal.	В
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# **HEADLINING**

Exploded View

# STANDARD ROOF

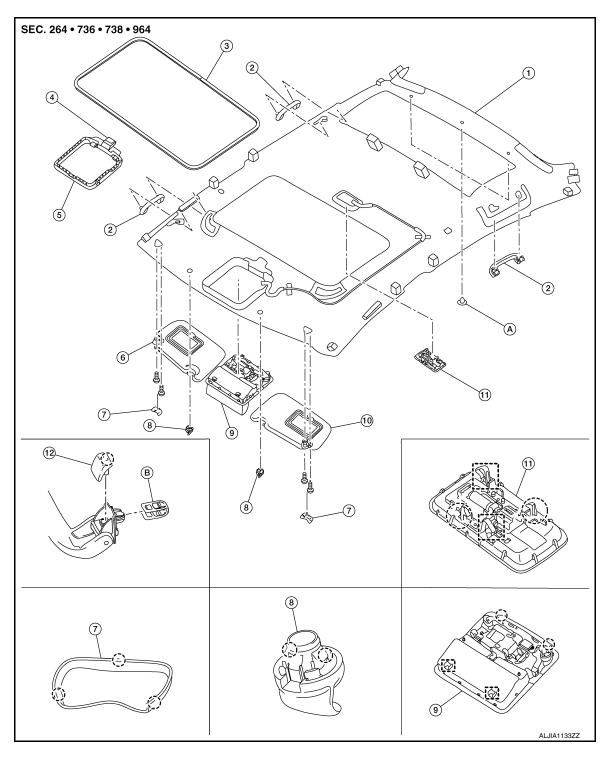


- 1. Headlining
- 4. Sun visor (RH)
- 7. Map lamp
- 10. Assist grip cap
- ( Pawl

- 2. Assist grip
- 5. Sun visor cover
- 8. Sun visor (LH)
- A. Headlining clip
- [-] Metal clip

- 3. Map lamp bracket
- 6. Sun visor holder
- 9. Interior room lamp
- B. Metal clip

# **SUNROOF**



- Headlining
- Dual lock fastener
- Sun visor cover 7.
- 10. Sun visor (LH)
- A. Headlining clip
- Metal clip

- 2. Assist grip
- Map lamp bracket
- Sun visor holder
- 11. Interior room lamp
- Metal clip

- 3. Sunroof welt
- 6. Sun visor (RH)
- Map lamp 9.
- 12. Assist grip cap
- Pawl

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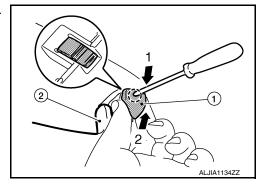
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# Removal and Installation

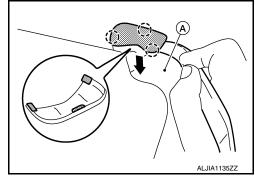
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#### **REMOVAL**

- Remove front pillar finishers (LH/RH). Refer to <u>INT-24, "FRONT PILLAR FINISHER: Removal and Instal-lation"</u>.
- 2. Remove front seat assemblies. Refer to the following.
  - Refer to SE-18, "DRIVER SIDE: Removal and Installation Seat Assembly" (Driver Seat).
  - Refer to SE-20, "PASSENGER SIDE: Removal and Installation Seat Assembly" (Passenger Seat).
- 3. Remove center pillar upper finishers (LH/RH). Refer to <a href="INT-28">INT-28</a>, "CENTER PILLAR UPPER FINISHER: Removal and Installation".
- 4. Remove rear seat back. Refer to SE-23, "Removal and Installation 60:40 Split Seatback".
- 5. Remove rear pillar finishers (LH/RH). Refer to <a href="INT-29">INT-29</a>, "REAR PILLAR FINISHER: Removal and Installation".
- 6. Remove center console assembly. Refer to IP-17, "Removal and Installation".
- 7. Remove shift selector assembly. Refer to TM-253, "Removal and Installation".
- 8. Remove all assist grips.
- a. Release pawl of assist grip cap (1) using a suitable tool (A).
   Slide assist grip cap forward and remove as shown.
   ( ): Pawl
- Slide assist grip (2) forward and remove.



- c. Remove metal clips from body panel.
- 9. Remove room lamp. Refer to INL-55, "Removal and Installation".
- 10. Remove map lamp. Refer to <a href="INL-52">INL-52</a>, "Removal and Installation".
- 11. Remove sunroof welt (if equipped).
- 12. Remove sun visor.
- a. Release sun visor cover pawls using a suitable tool (A), then remove sun visor cover.
  - ( ): Pawl

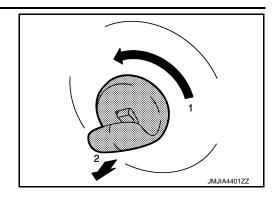


- b. Remove screws and the sun visors (LH/RH).
- 13. Remove all sun visor holders.

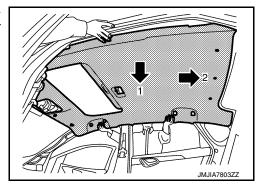
#### **HEADLINING**

#### < REMOVAL AND INSTALLATION >

Rotate 90° and remove as shown.



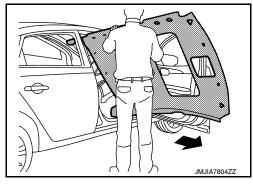
- 14. Remove headlining clips.
- 15. Remove headlining from roof panel as shown. Adjust the position of headlining so that it can be removed through passenger side door.



16. Remove headlining as shown.

#### **CAUTION:**

- Two people are required for removal in order to prevent damage.
- · Do not bend headlining when removing.
- Be careful not to scratch or damage any part of the body while removing the headliner.



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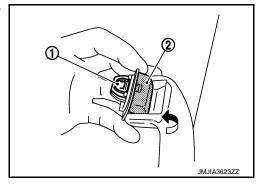
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#### INSTALLATION

Installation is in the reverse order of removal.

#### **CAUTION:**

- When installing headlining, start by installing both sun visor holders and the headlining clips in order to keep the headlining in position.
- · Do not bend headlining when installing.
- Be careful that the surface is not wrinkled when installing.
- When installing assist grip, install metal clip (1) to assist grip clip (2), then install to the body panel.



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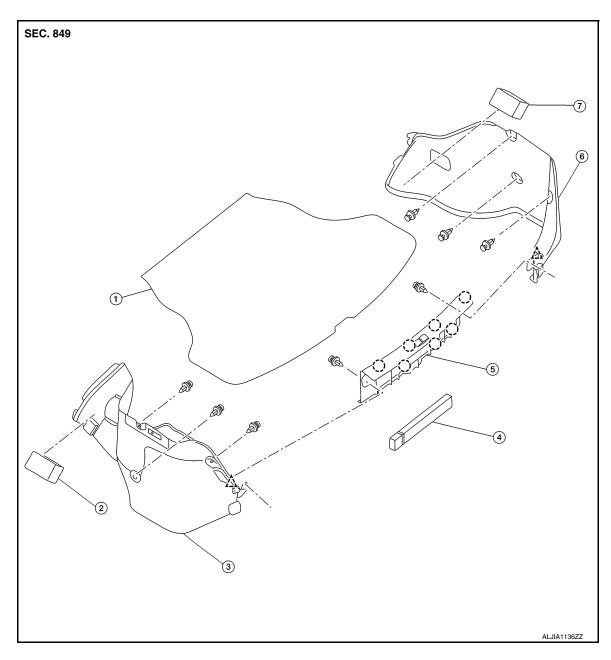
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# TRUNK ROOM TRIM

Exploded View



- 1. Trunk floor trim
- 4. Reflector box assembly\*
- 7. Trunk front floor spacer (RH)
- 2. Trunk front floor spacer (LH)
- 5. Trunk rear plate
- ∴ Clip

- 3. Trunk side finisher (LH)
- 6. Trunk side finisher (RH)

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( Pawl

# TRUNK REAR PLATE

TRUNK REAR PLATE: Removal and Installation

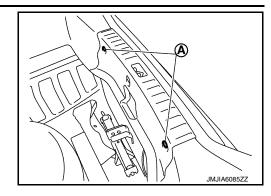
## **REMOVAL**

1. Remove trunk floor trim.

## TRUNK ROOM TRIM

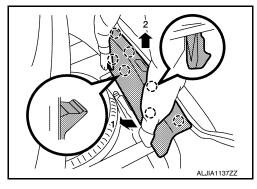
## < REMOVAL AND INSTALLATION >

2. Remove clips (A).



3. Release trunk rear plate pawls as shown.

( ): Pawl



4. Remove trunk rear plate.

#### INSTALLATION

Installation is in the reverse order of removal.

# **CAUTION:**

When installing, check that clips and pawls are accurately aligned with the holes on body panel, then press in.

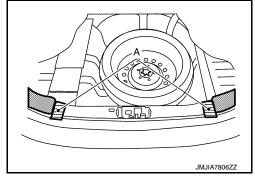
# TRUNK SIDE FINISHER

TRUNK SIDE FINISHER: Removal and Installation

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#### **REMOVAL**

- 1. Remove trunk rear plate. Refer to <a href="INT-42">INT-42</a>, "TRUNK REAR PLATE: Removal and Installation".
- 2. Apply protective tape (A) to protect the component from damage as shown.



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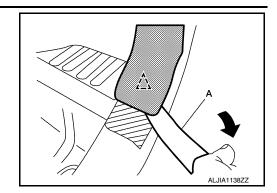
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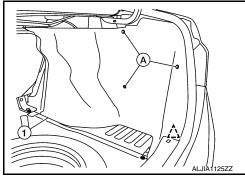
# TRUNK ROOM TRIM

## < REMOVAL AND INSTALLATION >

Release trunk side finisher clips using a suitable tool (A).
 ∠ˆ\_: Clip



4. Remove trunk side finisher clips (A) and the trunk side finisher (1). 2\(\): Clip



## **INSTALLATION**

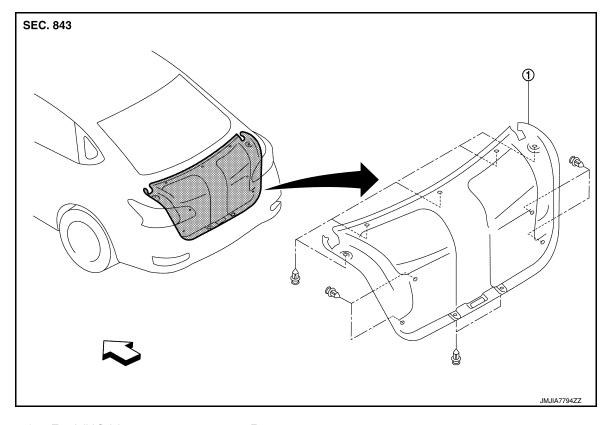
Installation is in the reverse order of removal.

#### **CAUTION:**

- Insert rear end of trunk side finisher into trunk weather strip.
- When installing, check that clips are accurately aligned with the holes on body panel, then press in.

# TRUNK LID TRIM

Exploded View



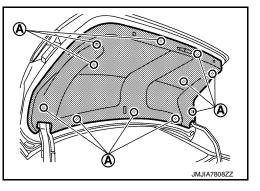
1. Trunk lid finisher

← Front

# Removal and Installation

## **REMOVAL**

Remove trunk lid finisher clips (A) and trunk lid finisher.



# **INSTALLATION**

Installation is in the reverse order of removal.

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Revision: October 2013 INT-45 2014 Sentra NAM