

**SECTION EI**  
**EXTERIOR & INTERIOR**

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# PRECAUTIONS

## PRECAUTIONS

PFP:00001

### Precautions for Supplemental Restraint System (SRS) “AIR BAG” and “SEAT BELT PRE-TENSIONER”

NIS001TF

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. This system includes seat belt switch inputs and dual stage front air bag modules. The SRS system uses the seat belt switches to determine the front air bag deployment, and may only deploy one front air bag, depending on the severity of a collision and whether the front occupants are belted or unbelted. Information necessary to service the system safely is included in the SRS and SB section of this Service Manual.

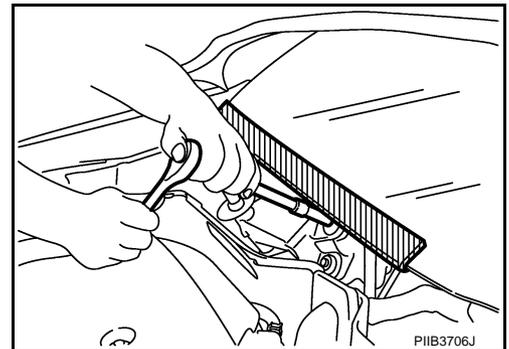
#### **WARNING:**

- 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 SRS 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 for Procedures without Cowl Top Cover

NIS001TG

When performing the procedure after removing cowl top cover, cover the lower end of windshield with urethane, etc.



### Precautions for Work

NIS001TH

- After removing and installing the opening/closing parts, be sure to carry out fitting adjustments to check their operation.
- Check the lubrication level, damage, and wear of each part. If necessary, grease or replace it.

# PREPARATION

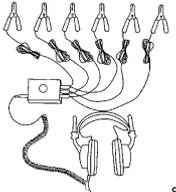
## PREPARATION

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### Special Service Tools

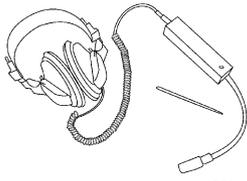
NIS0017I

The actual shapes of Kent-Moore tools may differ from those of special service tools illustrated here.

Tool number (Kent-Moore No.) Tool name	Description
<p>(J-39570) Chassis ear</p>  <p style="text-align: right; font-size: small;">SIIA0993E</p>	<p>Locating the noise</p>
<p>(J-43980) NISSAN Squeak and Rattle Kit</p>  <p style="text-align: right; font-size: small;">SIIA0994E</p>	<p>Repairing the cause of noise</p>

### Commercial Service Tools

NIS0017J

Tool name	Description
<p>Engine ear</p>  <p style="text-align: right; font-size: small;">SIIA0995E</p>	<p>Locating the noise</p>
<p>Power tool</p>  <p style="text-align: right; font-size: small;">PIIB1407E</p>	

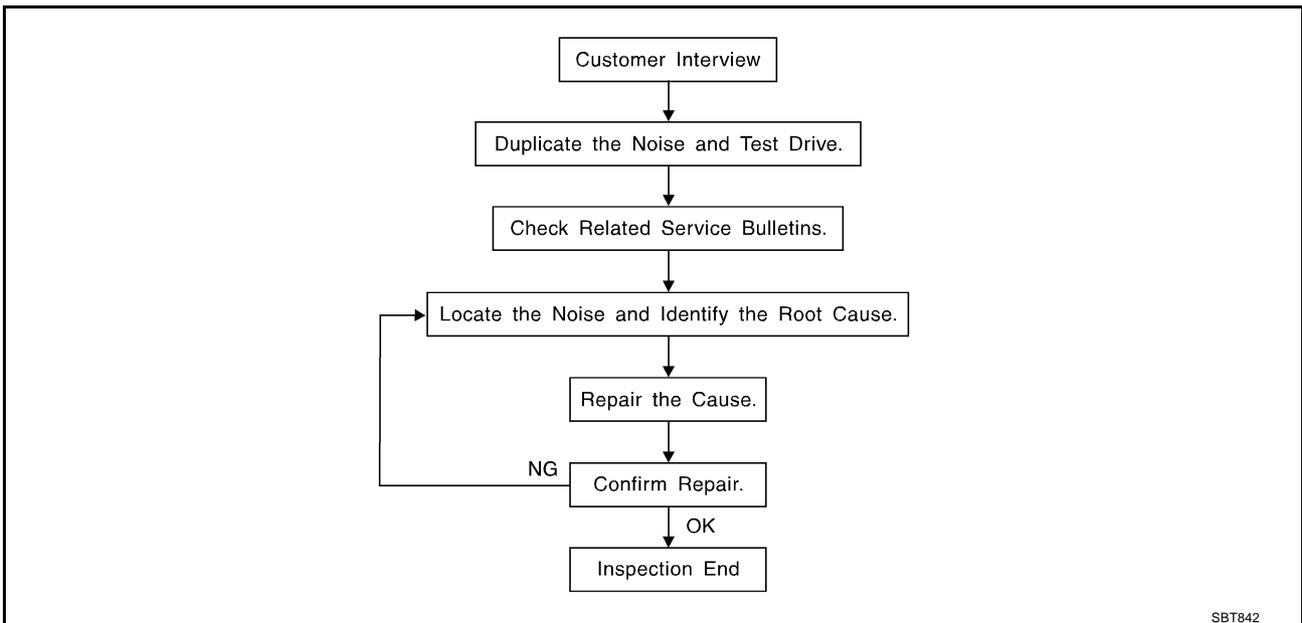
# SQUEAK AND RATTLE TROUBLE DIAGNOSES

## SQUEAK AND RATTLE TROUBLE DIAGNOSES

PF0:00000

### Work Flow

NIS001TK



### 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 [EI-9, "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.

# SQUEAK AND RATTLE TROUBLE DIAGNOSES

## DUPLICATE THE NOISE AND TEST DRIVE

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

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

- 1) Close a door.
  - 2) Tap or push/pull around the area where the noise appears to be coming from.
  - 3) Rev the engine.
  - 4) Use a floor jack to recreate vehicle "twist".
  - 5) At idle, apply engine load (electrical load, half-clutch on M/T model, drive position on A/T model).
  - 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 and mechanics 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 fastener 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 [EI-7, "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-43980) 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 following materials are contained in the Nissan Squeak and Rattle Kit (J-43980). Each item can be ordered separately as needed.

URETHANE PADS [1.5 mm (0.059 in) thick]

Insulates connectors, harness, etc.

76268-9E005: 100 × 135 mm (3.94 × 5.31 in)/76884-71L01: 60 × 85 mm (2.36 × 3.35 in)/76884-71L02: 15 × 25 mm (0.59 × 0.98 in)

INSULATOR (Foam blocks)

Insulates components from contact. Can be used to fill space behind a panel.

73982-9E000: 45 mm (1.77 in) thick, 50 × 50 mm (1.97 × 1.97 in)/73982-50Y00: 10 mm (0.39 in) thick, 50 × 50 mm (1.97 × 1.97 in)

# SQUEAK AND RATTLE TROUBLE DIAGNOSES

INSULATOR (Light foam block)

80845-71L00: 30 mm (1.18 in) thick, 30 × 50 mm (1.18 × 1.97 in)

FELT CLOTHTAPE

Used to insulate where movement does not occur. Ideal for instrument panel applications.

68370-4B000: 15 × 25 mm (0.59 × 0.98 in) pad/68239-13E00: 5 mm (0.20 in) wide tape roll The following materials, not found in the kit, can also be used to repair squeaks and rattles.

UHMW(TEFLON) TAPE

Insulates where slight movement is present. Ideal for instrument panel applications.

SILICONE GREASE

Used in place of UHMW tape that will be visible or not fit.

Note: 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

NIS001TL

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

## INSTRUMENT PANEL

Most incidents are caused by contact and movement between:

1. The cluster lid A and instrument panel
2. Acrylic lens and combination meter housing
3. Instrument panel to front pillar garnish
4. Instrument panel to windshield
5. Instrument panel mounting 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 silicon 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. Shifter 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-43980) to repair the noise.

# SQUEAK AND RATTLE TROUBLE DIAGNOSES

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## 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 dumpers 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.

## 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 under-hood noise include:

1. Any component mounted to the engine wall
2. Components that pass through the engine wall
3. Engine wall mounts and connectors
4. Loose radiator mounting 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

## Diagnostic Worksheet

NIS001TM



INFINITI.

### SQUEAK & RATTLE DIAGNOSTIC WORKSHEET

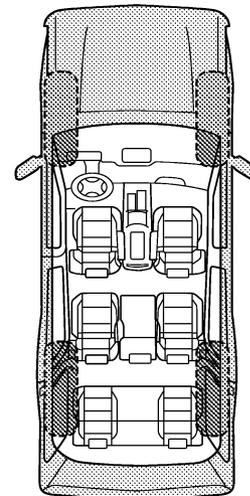
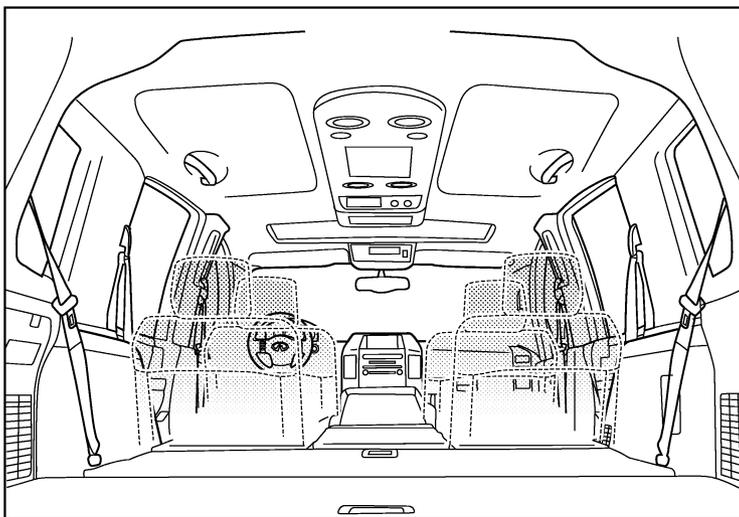
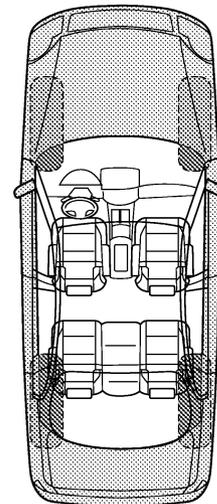
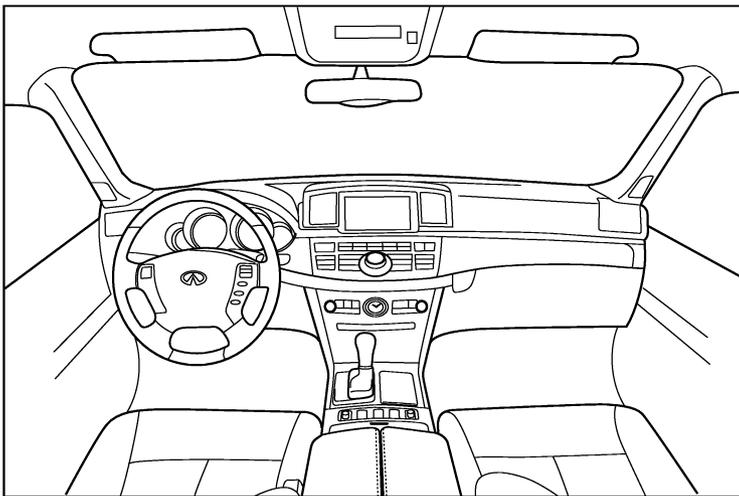
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Dear Infiniti Customer:

We are concerned about your satisfaction with your Infiniti vehicle. Repairing a squeak or rattle sometimes can be very difficult. To help us fix your Infiniti 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 consultant or technician to ensure we confirm the noise you are hearing.

#### 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.

PIIB8741E

# SQUEAK AND RATTLE TROUBLE DIAGNOSES

## SQUEAK & RATTLE DIAGNOSTIC WORKSHEET - page 2

Briefly describe the location where the noise occurs:

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### 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:

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	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

PIIB8742E

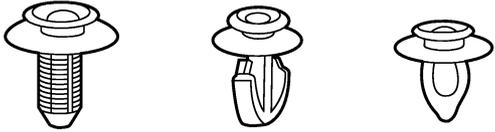
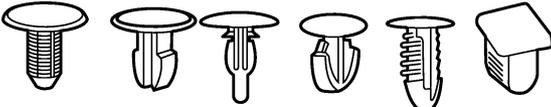
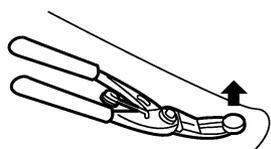
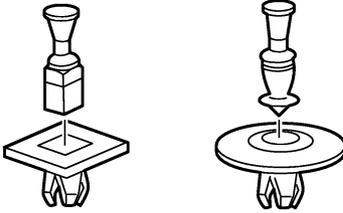
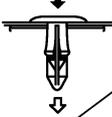
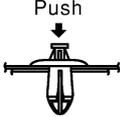
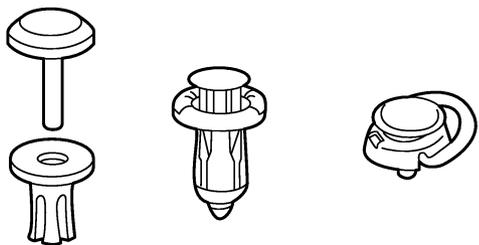
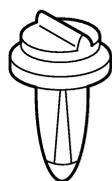
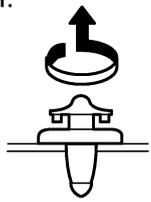
# CLIP AND FASTENER

## CLIP AND FASTENER

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### Clip and Fastener

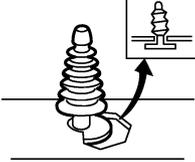
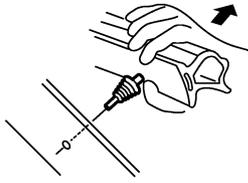
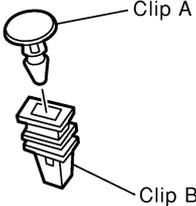
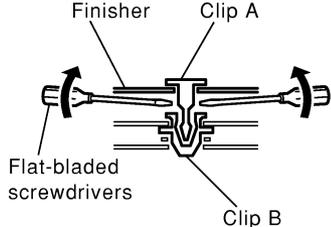
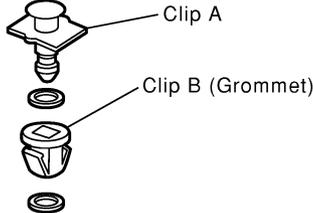
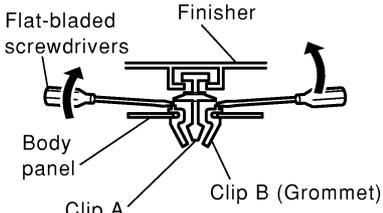
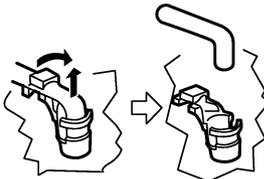
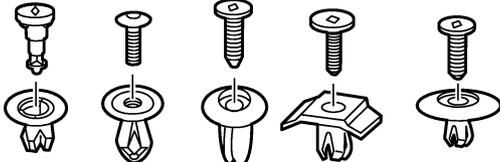
NIS001TN

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

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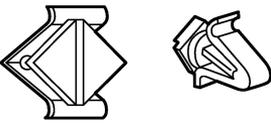
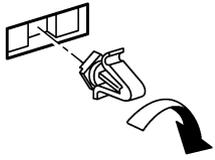
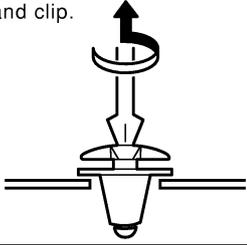
SIIA0315E

# CLIP AND FASTENER

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

SIIA0316E

# CLIP AND FASTENER

Symbol No.	Shapes	Removal & Installation	
CG101 		<b>Removal:</b>  Rotate 45° to remove	<b>Installation:</b> 
CS102 			
CS113 		<b>Removal:</b> 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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SIIA0317E

# FRONT BUMPER

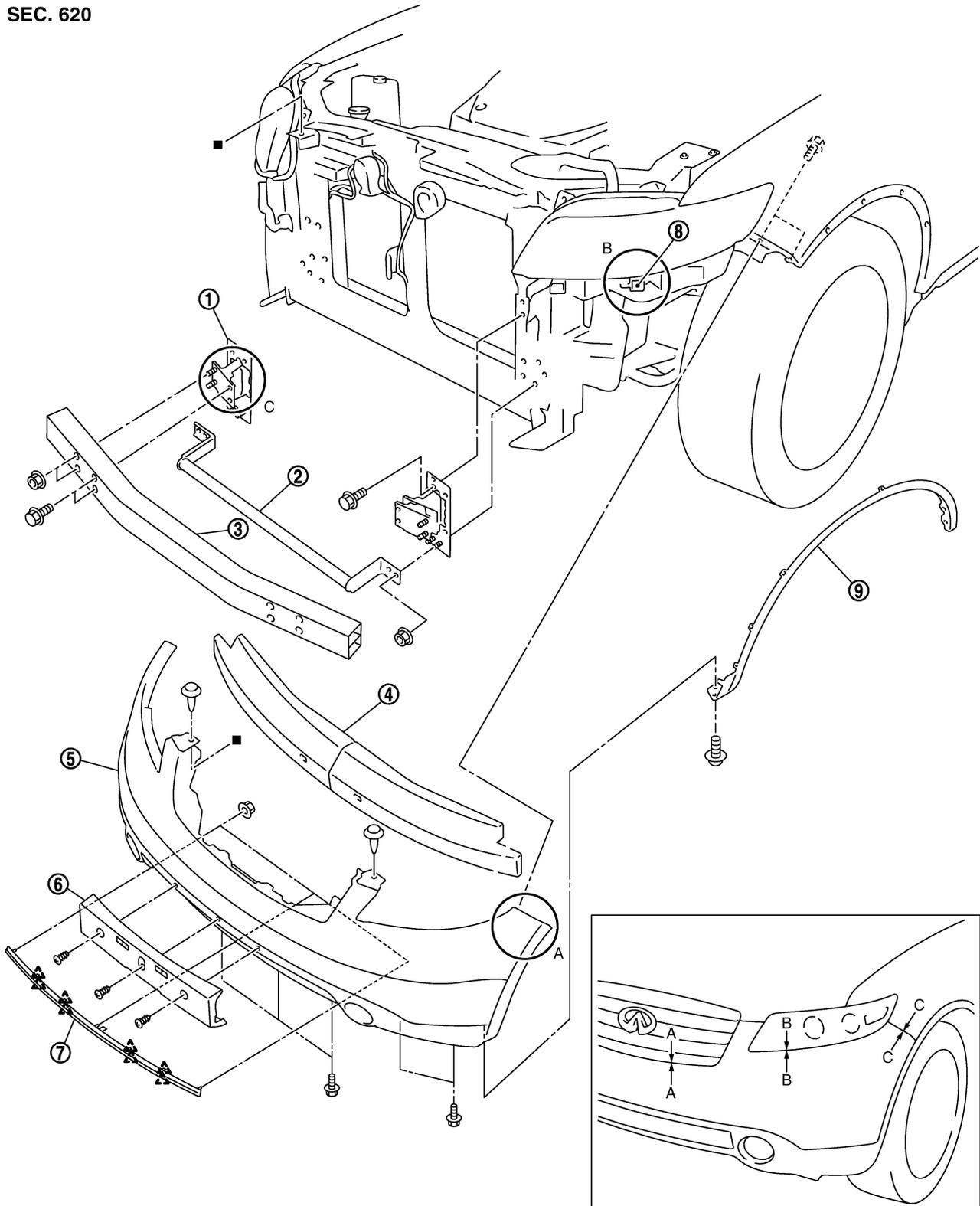
## FRONT BUMPER

PFP:F2022

### Removal and Installation

NIS00170

SEC. 620



PIIB8942E

- |                          |                           |                          |
|--------------------------|---------------------------|--------------------------|
| 1. Bumper stay           | 2. Front bumper guard bar | 3. Bumper reinforcement  |
| 4. Energy absorber       | 5. Bumper fascia          | 6. License plate bracket |
| 7. Bumper center molding | 8. Bumper clamp           | 9. Fillet molding        |

 Pawl

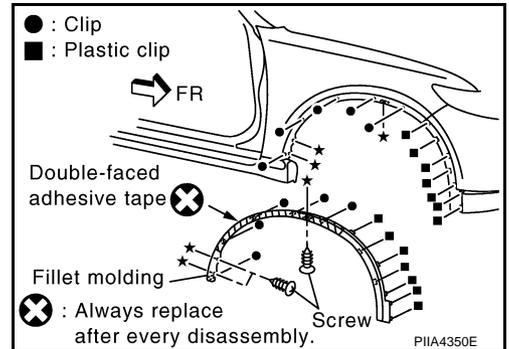
# FRONT BUMPER

## CAUTION:

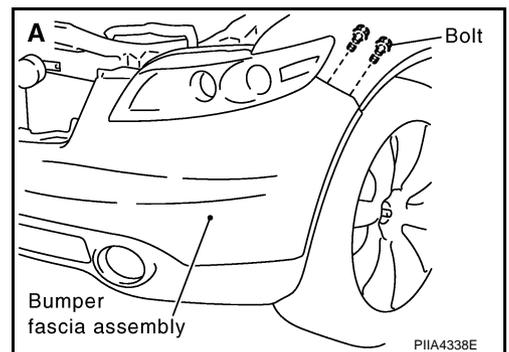
Bumper fascia is made of resin. Do not apply strong force to it, and be careful to prevent contact with oil.

## REMOVAL

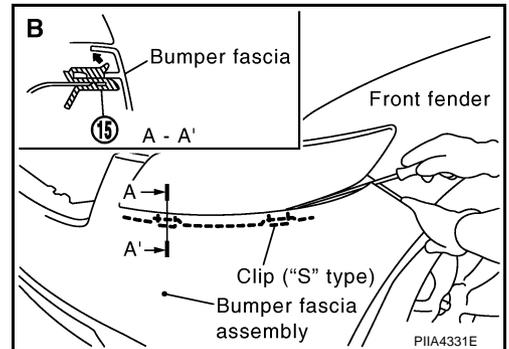
1. Remove front grille. Refer to [EI-22, "Removal and Installation"](#).
2. Remove front fillet molding assembly. Only the place connected with a front bumper fascia is removed.
3. Remove bolts and clips of front undercover.
4. Remove screws and clips of right/left fender protectors on front side. Refer to [EI-24, "Removal and Installation"](#).



5. Remove bolts of right/left fender.



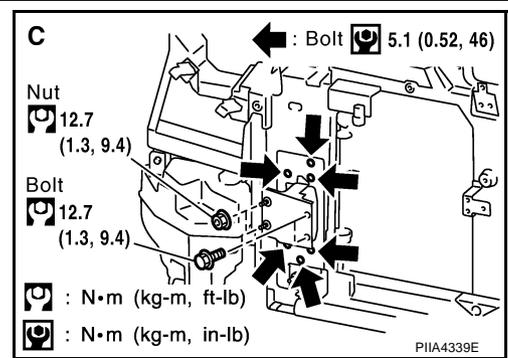
6. Insert driver rolled with cloth between bumper fascia and "S" type clips, and remove bumper fascia.



7. Disconnect harness connector of fog lamps.
8. Remove bumper fascia assembly.  
**CAUTION:**  
**When removing bumper fascia, 2 workers are required so as to prevent it from dropping.**
9. Remove bumper energy absorber.
10. Remove bolts and nuts of bumper reinforcement, and remove bumper reinforcement. Remove bolts and nuts with power tool.
11. Remove ICC sensor with bracket. Refer to [ACS-75, "REMOVAL AND INSTALLATION"](#).

# FRONT BUMPER

12. Remove nuts of bumper stay, and remove bumper stay. Remove nuts with power tool.
13. Remove nuts of front bumper guard bar, and remove front bumper guard bar. Remove nuts with power tool.
14. Remove fog lamps located in bumper fascia. Refer to [LT-89](#), "[Removal and Installation](#)".



## INSTALLATION

Install in the reverse order of removal.

### NOTE:

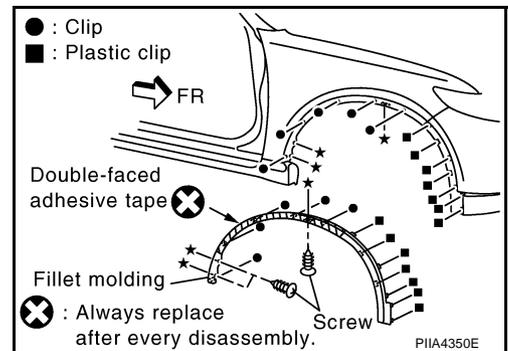
After installation, adjust the clearance.

	Portion	Clearance
Front bumper – Front grille	A – A	0.5 – 3.5 mm (0.020 – 0.138 in)
Front bumper – Headlamp	B – B	1.5 – 4.5 mm (0.059 – 0.177 in)
Front bumper – Front fender	C – C	0.0 – 0.5 mm (0.000 – 0.020 in)

## REMOVAL AND INSTALLATION OF FILLET MOLDING

### Removal

1. Remove screws of fillet molding.
2. Remove clips of fillet molding.
3. Remove fillet molding.



### Installation

1. Clean adhesive portion of front fender with white gasoline.
2. Strip pattern from the new double adhesive tape and paste on front fender.
3. Fillet molding assembly hold with front fender.

## REMOVAL AND INSTALLATION OF BUMPER CENTER MOLDING

### Removal

1. Remove front bumper fascia. Refer to [EI-14](#), "[Removal and Installation](#)".
2. Remove bumper center molding mounting nuts.
3. Disengage plastic pawls from bumper fascia.
4. Remove bumper center molding.

### Installation

Install in the reverse order of removal.

# REAR BUMPER

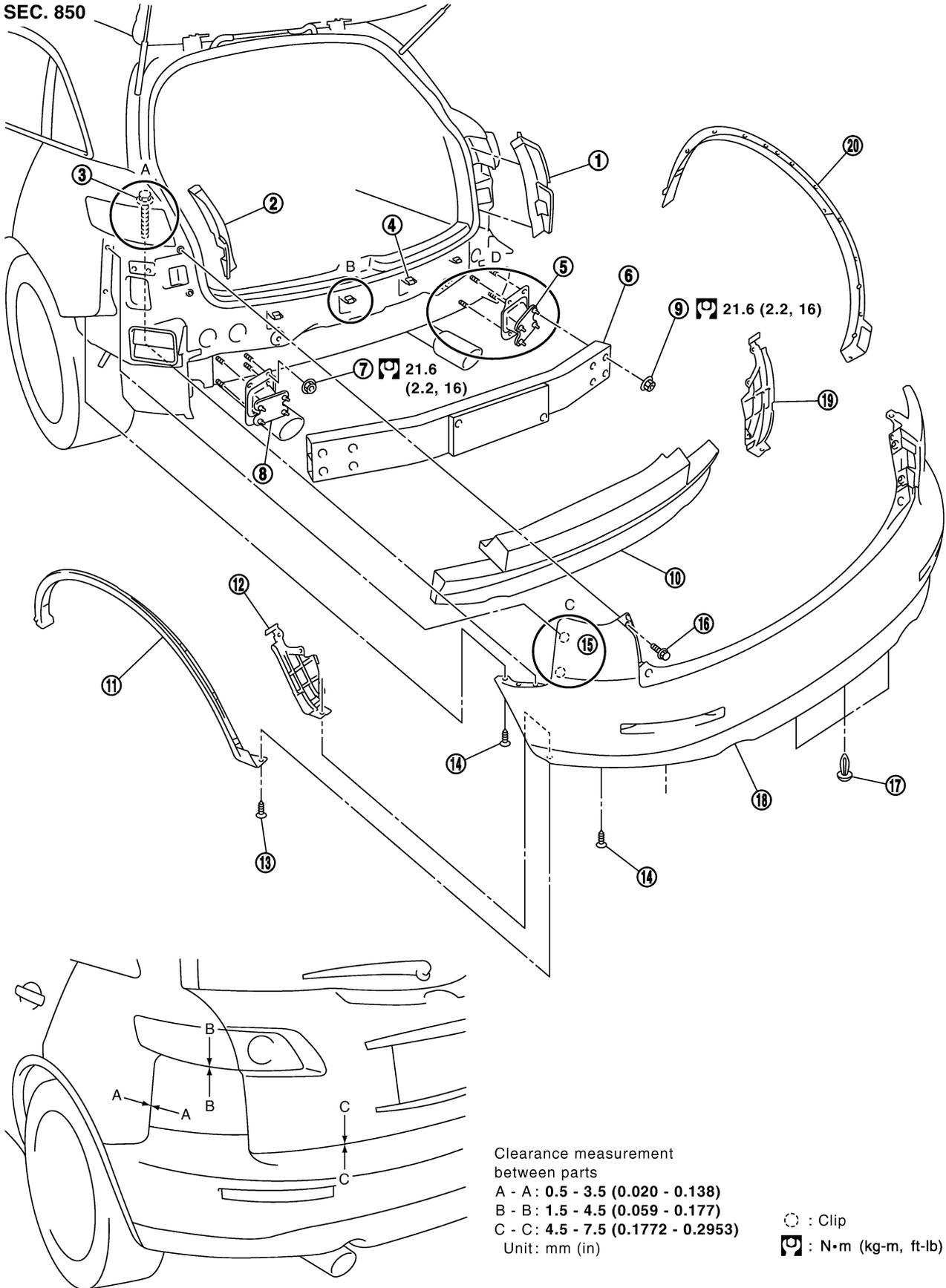
## REAR BUMPER

PFP:H5022

### Removal and Installation

NIS001TP

SEC. 850



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# REAR BUMPER

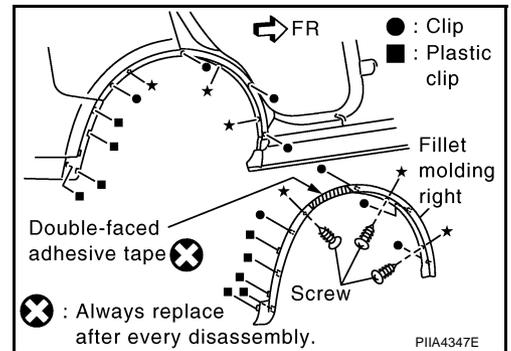
- |                             |                             |                            |
|-----------------------------|-----------------------------|----------------------------|
| 1. Bumper side cover A (RH) | 2. Bumper side cover A (LH) | 3. Special bolt            |
| 4. Clip ("S" type)          | 5. Bumper stay (RH)         | 6. Bumper reinforcement    |
| 7. Nut                      | 8. Bumper stay (LH)         | 9. Nut                     |
| 10. Energy absorber         | 11. Fillet molding (LH)     | 12. Bumper closing (LH)    |
| 13. Bolt                    | 14. Bolt                    | 15. Clip (C101)            |
| 16. Bolt                    | 17. Clip (C205)             | 18. Bumper fascia assembly |
| 19. Bumper closing (RH)     | 20. Fillet molding (RH)     |                            |

## CAUTION:

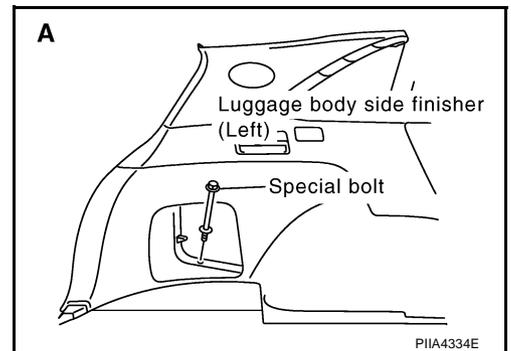
Bumper fascia is made of resin. Do not apply strong force to it, and be careful to prevent contact with oil.

## REMOVAL

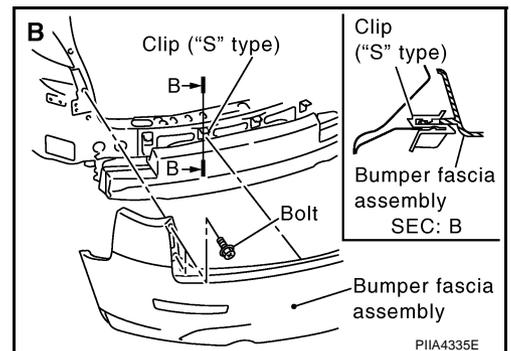
1. Remove bumper side cover A (RH/LH).
2. Remove fillet molding assembly. Only the place connected with a rear bumper fascia is removed.



3. Remove luggage finisher mask (RH/LH). Refer to [EI-45, "Removal and Installation"](#).
4. Remove bumper fascia special bolts from rear fender (RH/LH).
5. Remove bumper fascia bolts from rear fender (RH/LH).
6. Remove lower portion of bumper fascia bolts.



7. Insert driver rolled with cloth between bumper fascia and "S" type clips, and remove bumper fascia.



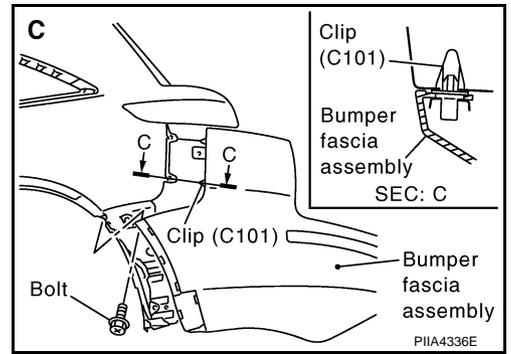
# REAR BUMPER

- Remove bumper fascia assembly.

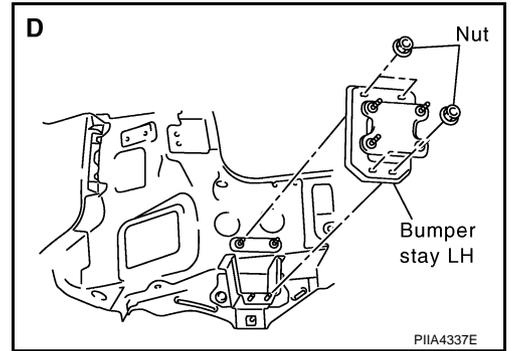
**CAUTION:**

**When removing bumper fascia, 2 workers are required so as to prevent it from dropping.**

- Remove bumper energy absorber.
- Remove bumper reinforcement nuts and remove bumper reinforcement assembly. Remove nuts with power tool.



- Remove bumper nuts and remove bumper stay. Remove nuts with power tool.



## INSTALLATION

Install in the reverse order of removal.

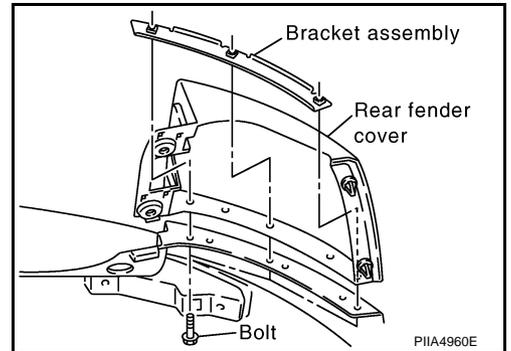
**NOTE:**

After installation, adjust the clearance.

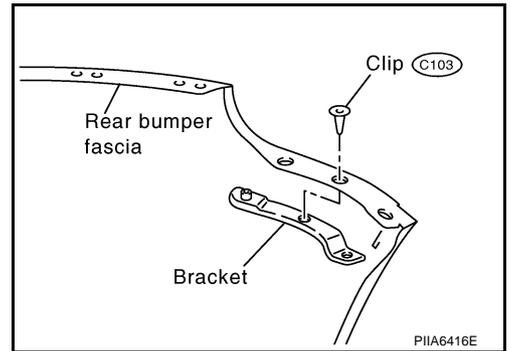
## DISASSEMBLY AND ASSEMBLY OF REAR BUMPER FASCIA

### Disassembly

- Remove rear fender cover bolt and remove rear fender.



- Remove bracket clips and remove bracket.



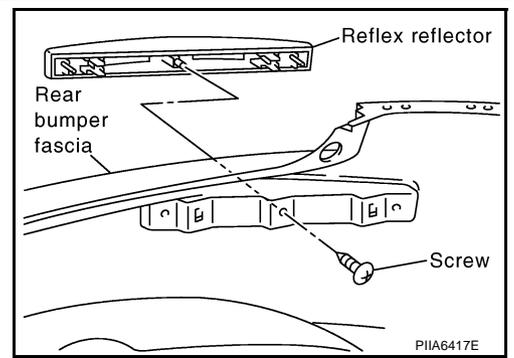
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# REAR BUMPER

3. Remove rear reflex reflector assembly screw and remove rear reflex reflector assembly.



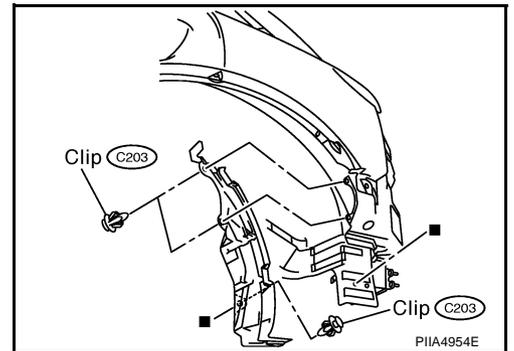
## Assembly

Assemble in the reverse order of disassembly.

## REMOVAL AND INSTALLATION OF REAR BUMPER CLOSING

### Removal

Remove clips of bumper closing and remove rear bumper closing.



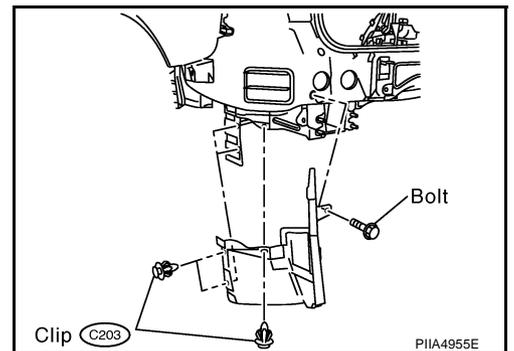
### Installation

Install in the reverse order of removal.

## REMOVAL AND INSTALLATION OF DRAFTER GUARD

### Removal

Remove clips and bolt of drafter guard and remove drafter guard.



### Installation

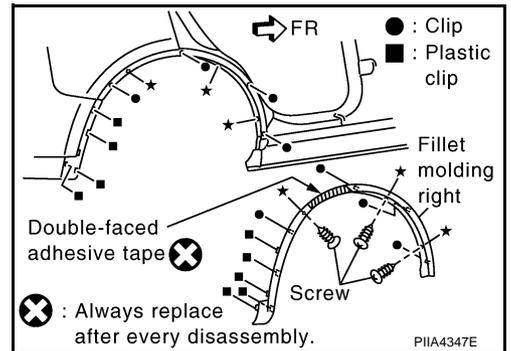
Install in the reverse order of removal.

# REAR BUMPER

## REMOVAL AND INSTALLATION OF REAR FILLET MOLDING ASSEMBLY

### Removal

1. Remove bolts of fillet molding assembly.
2. Remove clips of fillet molding assembly.
3. Remove fillet molding assembly.



### Installation

1. Clean adhesive portion of rear fender with white gasoline.
2. Strip pattern from the new double adhesive tape and paste on rear fender.
3. Fillet molding assembly hold with rear fender.

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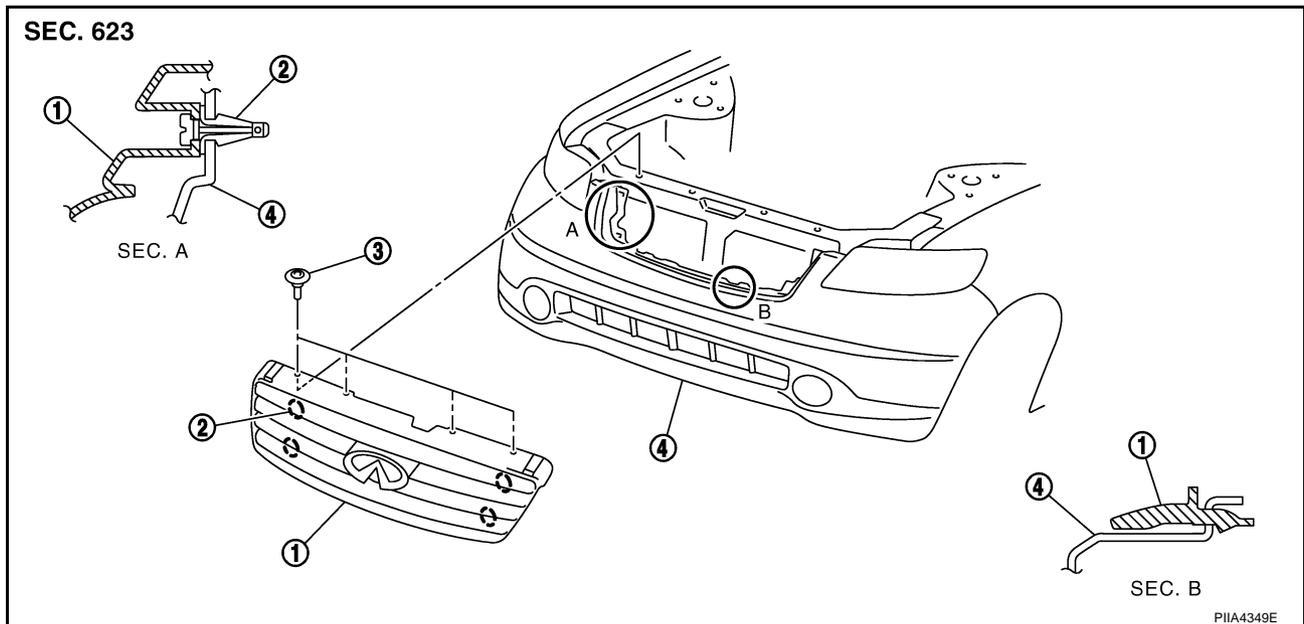
# FRONT GRILLE

PFP:62310

## FRONT GRILLE

### Removal and Installation

NIS001TQ



1. Front grille
2. Turn fastener (CG101)
3. Clip (C205)
4. Front bumper fascia

#### **CAUTION:**

Apply protection tape around outer circumference of front grille (bumper fascia side).

#### **REMOVAL**

1. Remove turn fastener of grille.
2. Remove clips on upper side of grille.
3. Pull out grille pawls, and remove grille assembly.

#### **INSTALLATION**

Install in the reverse order of removal.

# COWL TOP

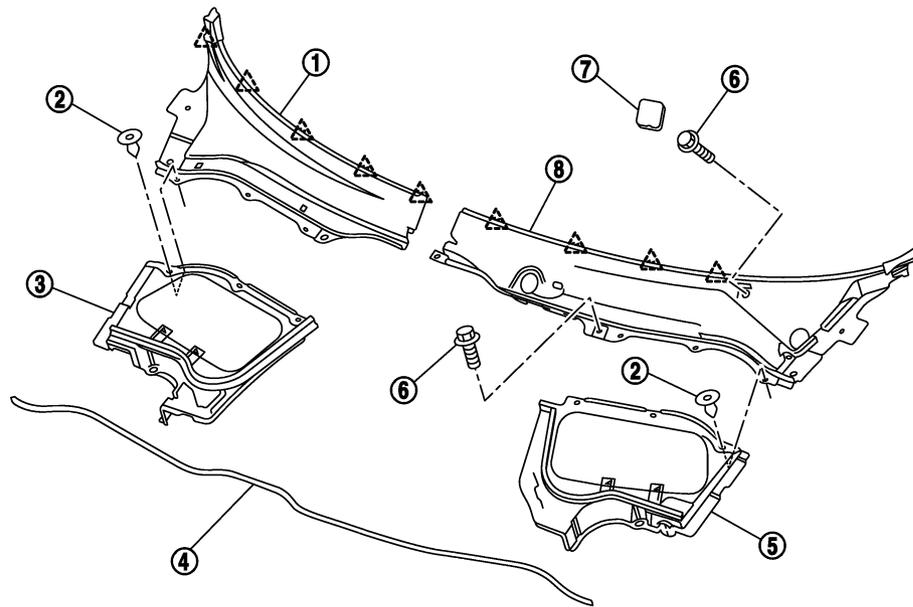
## COWL TOP

PF6:66100

## Removal and Installation

NIS001TR

SEC. 660



△: Pawl

PIIA4946E

- |                         |                          |                          |
|-------------------------|--------------------------|--------------------------|
| 1. Cowl top cover (RH)  | 2. Clip (C205)           | 3. Hood ledge cover (RH) |
| 4. Cowl top seal rubber | 5. Hood ledge cover (LH) | 6. Bolt                  |
| 7. Cap                  | 8. Cowl top cover (LH)   |                          |

### REMOVAL

1. Remove clips of hood ledge cover and remove hood ledge cover.
2. Remove wiper arms (RH/LH). Refer to [WW-33, "Removal and Installation of Front Wiper Arms, Adjustment of Wiper Arms Stop Location"](#).
3. Remove cowl top seal rubber.
4. Remove clips of cowl top cover (RH) and remove cowl top cover (RH).
5. Remove clips, cap and bolts and remove cowl top cover (LH).
6. Remove washer hose from cowl top cover.

### INSTALLATION

Install in the reverse order of removal.

#### CAUTION:

- When installing cowl top cover, make sure that blind clips are securely fitted in panel holes on body, and then press them in.
- After installing, perform adjustment of wiper arms. Refer to [WW-33, "Removal and Installation of Front Wiper Arms, Adjustment of Wiper Arms Stop Location"](#).

# FENDER PROTECTOR

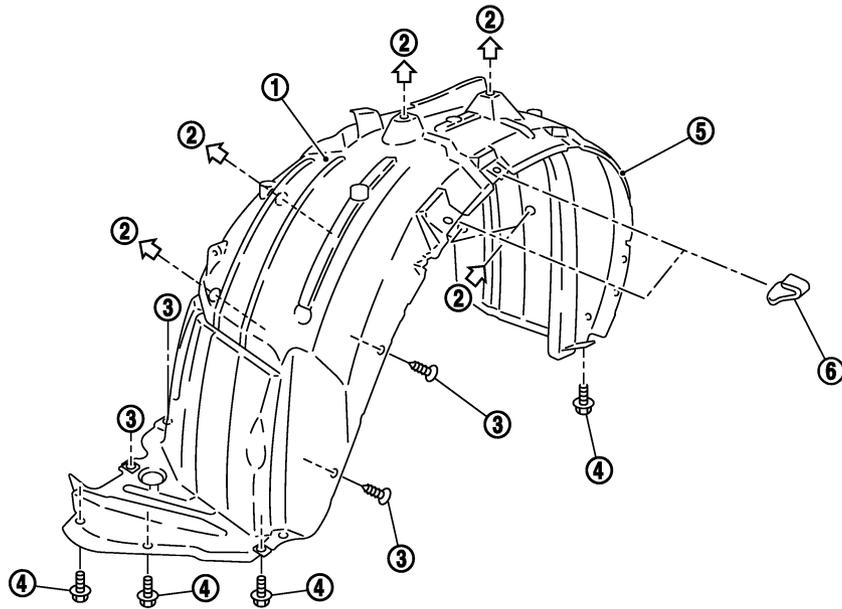
## FENDER PROTECTOR

PFP:63840

### Removal and Installation

NIS001TS

SEC. 630



PIIA4326E

- |                           |                          |          |
|---------------------------|--------------------------|----------|
| 1. Fender protector front | 2. Clip (C103)           | 3. Screw |
| 4. Bolt                   | 5. Fender protector rear | 6. Clip  |

#### REMOVAL

1. Remove bolts of fender protector front.
2. Remove clips of fender protector front.
3. Remove fender protector front.
4. Remove bolt of fender protector rear.
5. Remove clips of fender protector rear.
6. Remove fender protector rear.

#### INSTALLATION

Install in the reverse order of removal.

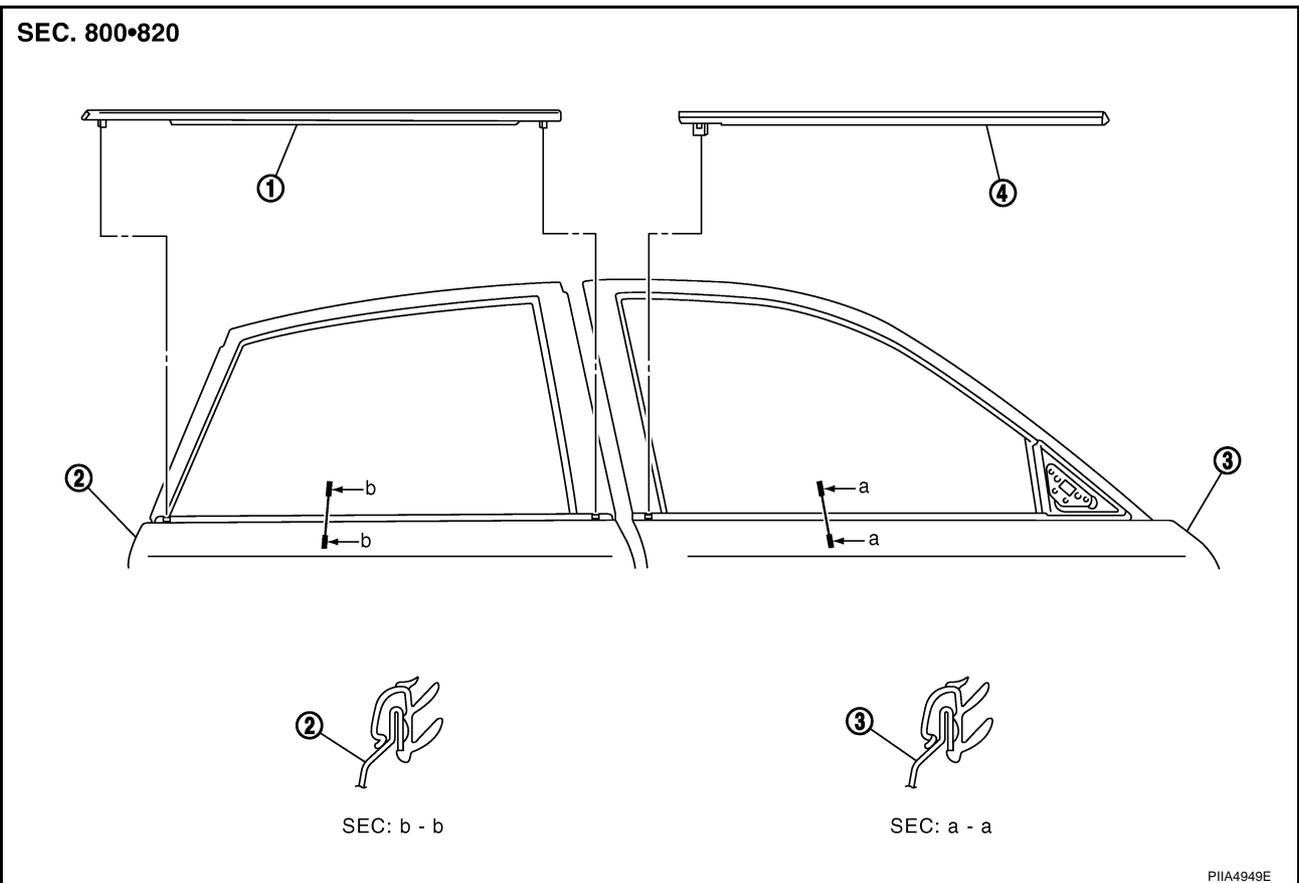
# DOOR OUTSIDE MOLDING

## DOOR OUTSIDE MOLDING

PFP:82820

### Removal and Installation

NIS001TT



1. Rear door outside molding
2. Rear door panel
3. Front door panel
4. Front door outside molding

## FRONT DOOR OUTSIDE MOLDING

### Removal

1. Open windows fully.
2. Remove door mirror. Refer to [GW-98, "Removal and Installation"](#).
3. Disconnect pawl on rear edge of molding.
4. Lift up to upper side, and remove molding.

### Installation

Install in the reverse order of removal.

## REAR DOOR OUTSIDE MOLDING

### Removal

1. Open windows fully.
2. Disconnect pawl on front edge and rear edge of molding.
3. Lift up to upper side, and remove molding.

### Installation

Install in the reverse order of removal.

### CAUTION:

- Be careful not to apply excessive force when removing because it is easy deform parts.
- After removal, visually inspect molding, and it is deformed, replace it with new molding.

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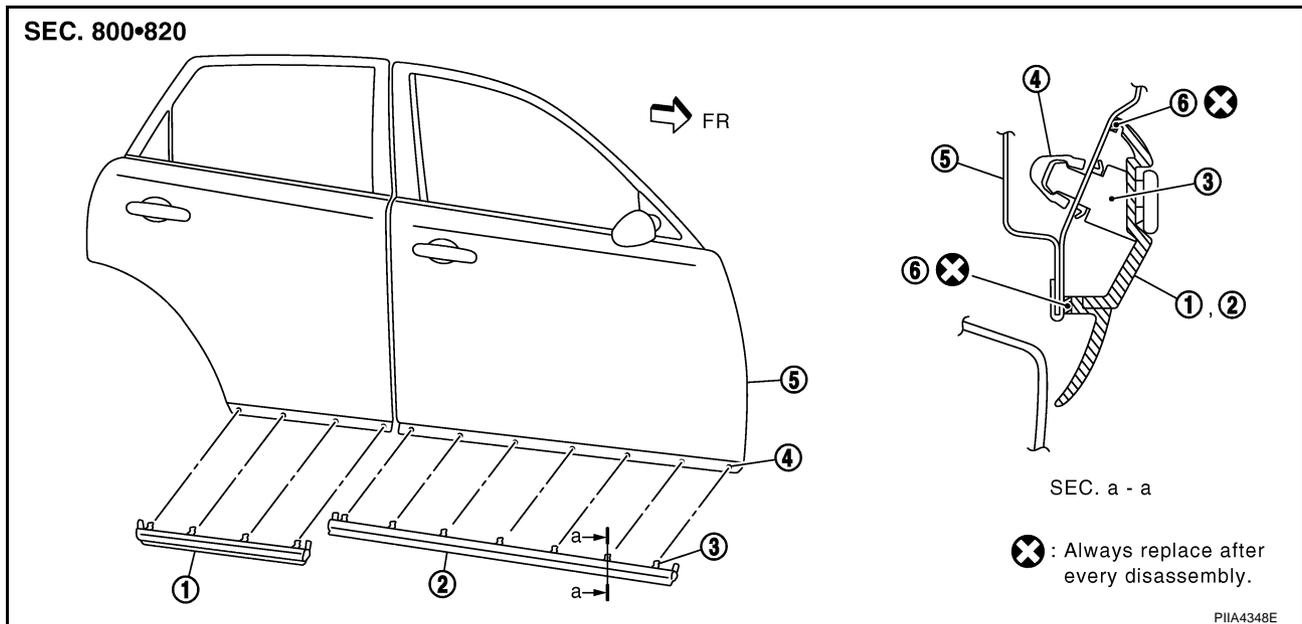
# DOOR OUTSIDE LOWER MOLDING

PFP:82877

NIS001TU

## DOOR OUTSIDE LOWER MOLDING

### Removal and Installation



- |                                    |                                     |                               |
|------------------------------------|-------------------------------------|-------------------------------|
| 1. Rear door outside lower molding | 2. Front door outside lower molding | 3. Clip (with lower molding)  |
| 4. Grommet                         | 5. Door panel                       | 6. Double-faced adhesive tape |

## FRONT AND REAR DOOR OUTSIDE LOWER MOLDING

### Removal

Remove clips, then remove door outside lower molding with double-faced adhesive tape.

### Installation

1. Clean adhesive portion of front and rear door with white gasoline.
2. Strip pattern from the new door outside lower molding and paste on door.

### CAUTION:

- Do not let air between contact surfaces when installing.
- To secure contact, do not wash vehicle within 24 hours after installation.

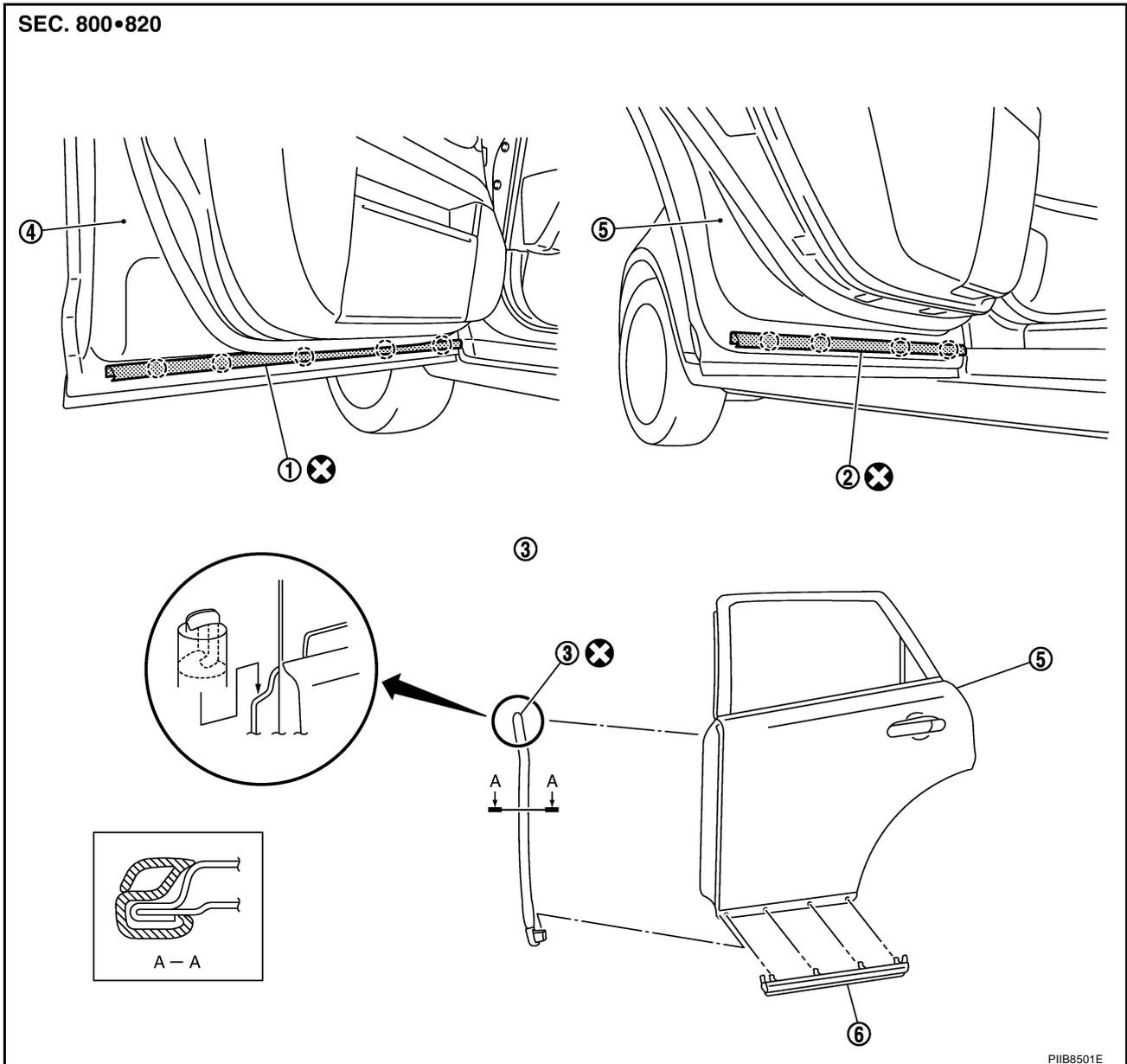
# DOOR PARTING SEAL

## DOOR PARTING SEAL Removal and Installation

PFP:80838

NIS001TV

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1. Front door parting seal (lower)
2. Rear door parting seal (lower)
3. Rear door parting seal (front)
4. Front door panel
5. Rear door panel
6. Rear door outside lower molding

⊗ Clip

### REMOVAL

1. Remove rear door outside lower molding. Refer to [EI-26, "Removal and Installation"](#).
2. Open front door and rear door fully.
3. Remove double-faced adhesive tapes and rear door parting seal (front).
4. Remove clip and double-faced adhesive tapes, and then remove front door parting seal (lower).
5. Remove clip and double-faced adhesive tapes, and then remove rear door parting seal (lower).

# DOOR PARTING SEAL

---

## INSTALLATION

1. Clean adhesive portion of rear door with white gasoline.
2. Strip pattern from the new rear door parting seal and paste on rear door panel.
3. Install rear door parting seal to rear door hem flange.
4. Install rear door outside lower molding. Refer to [EI-26, "Removal and Installation"](#) .

### **CAUTION:**

**Rear door parting seal is not reusable. always use new rear door parting seal.**

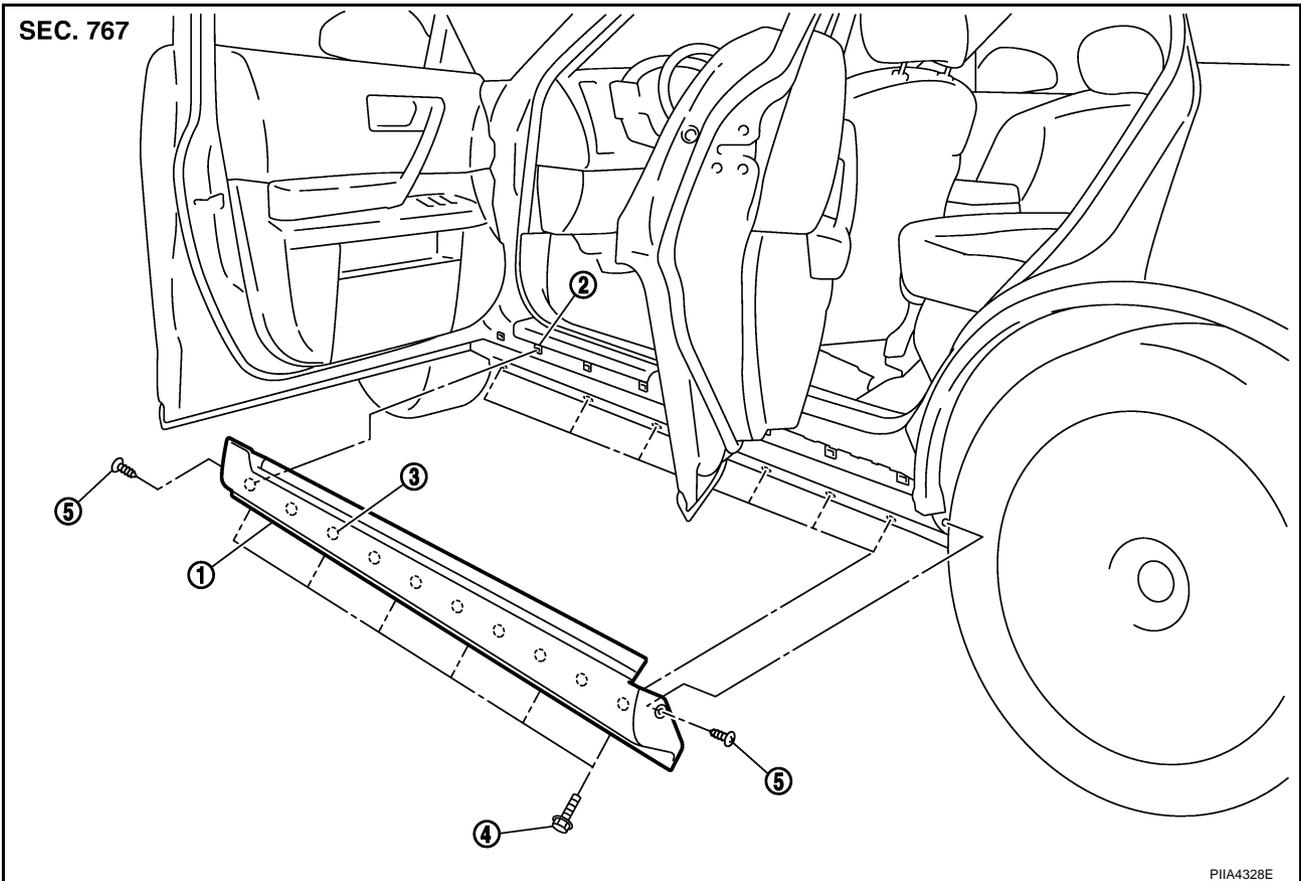
# CENTER MUD GUARD

## CENTER MUD GUARD Removal and Installation

PFP:76850

NIS001TW

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- 1. Center mud-guard
- 4. Bolt

- 2. Grommet
- 5. Screw

- 3. Clip

### REMOVAL

1. Remove bolts center mud-guard lower portion.
2. Remove screws center mud-guard front and rear portion.
3. Insert driver rolled with cloth or tapes between guard and body side sill, then pull it back to your side.

### INSTALLATION

Install in the reverse order of removal.

#### **CAUTION:**

**When installing center mud guard, make sure that clips are securely fitted in panel holes on body, and then press them in.**

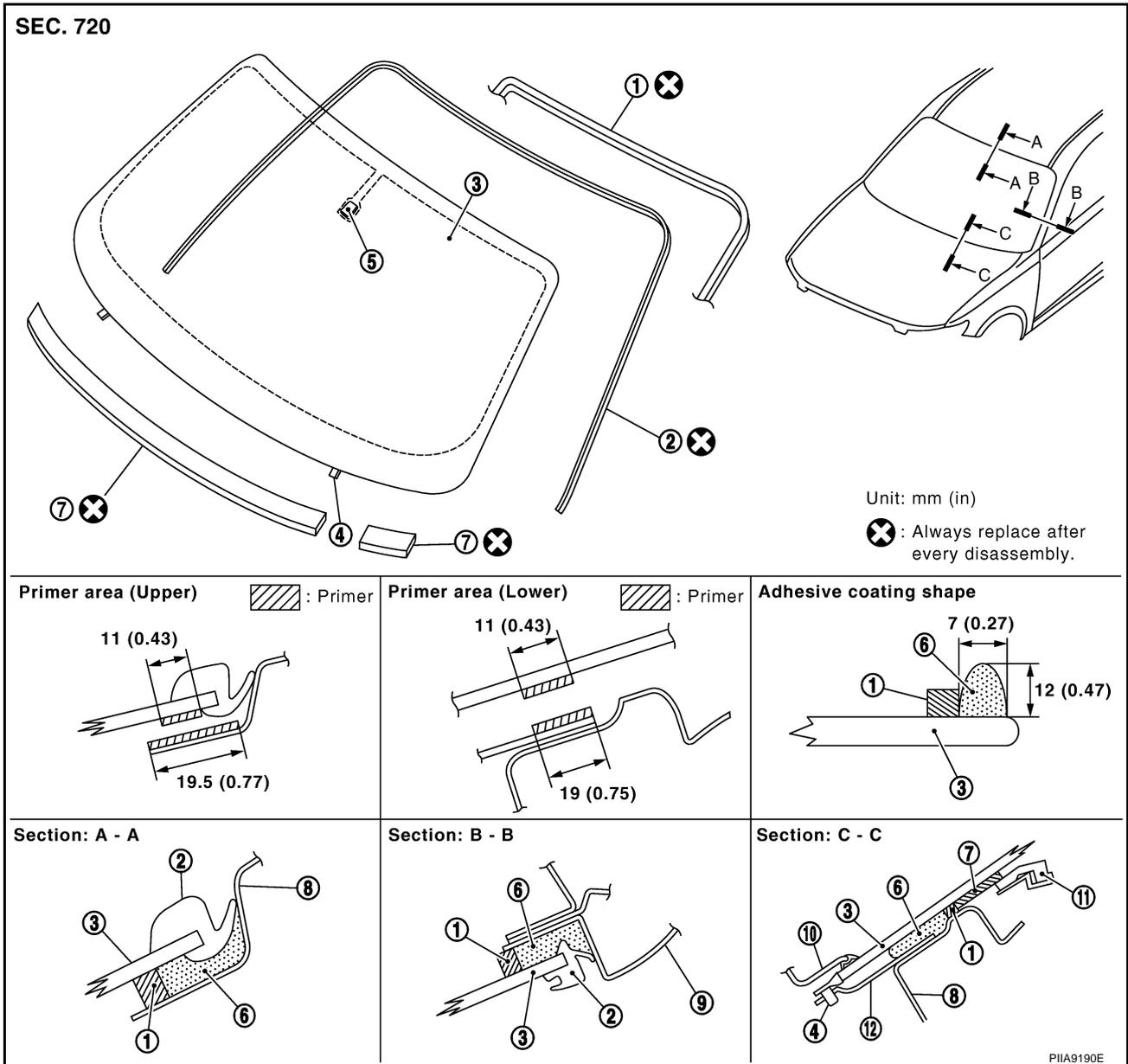
# WINDSHIELD MOLDING

PFP:72700

NIS001TX

## WINDSHIELD MOLDING

### Removal and Installation



- |                    |                |                      |
|--------------------|----------------|----------------------|
| 1. Dam rubber      | 2. Molding     | 3. Windshield glass  |
| 4. Spacer          | 5. Mirror base | 6. Bond              |
| 7. Insulator       | 8. Panel       | 9. Body side (outer) |
| 10. Cowl top cover | 11. Pad        | 12. Bracket          |

### REMOVAL

Remove windshield molding. Refer to [GW-11, "REMOVAL"](#).

### INSTALLATION

Install windshield molding. Refer to [GW-12, "INSTALLATION"](#).

# BACK DOOR WINDOW MOLDING

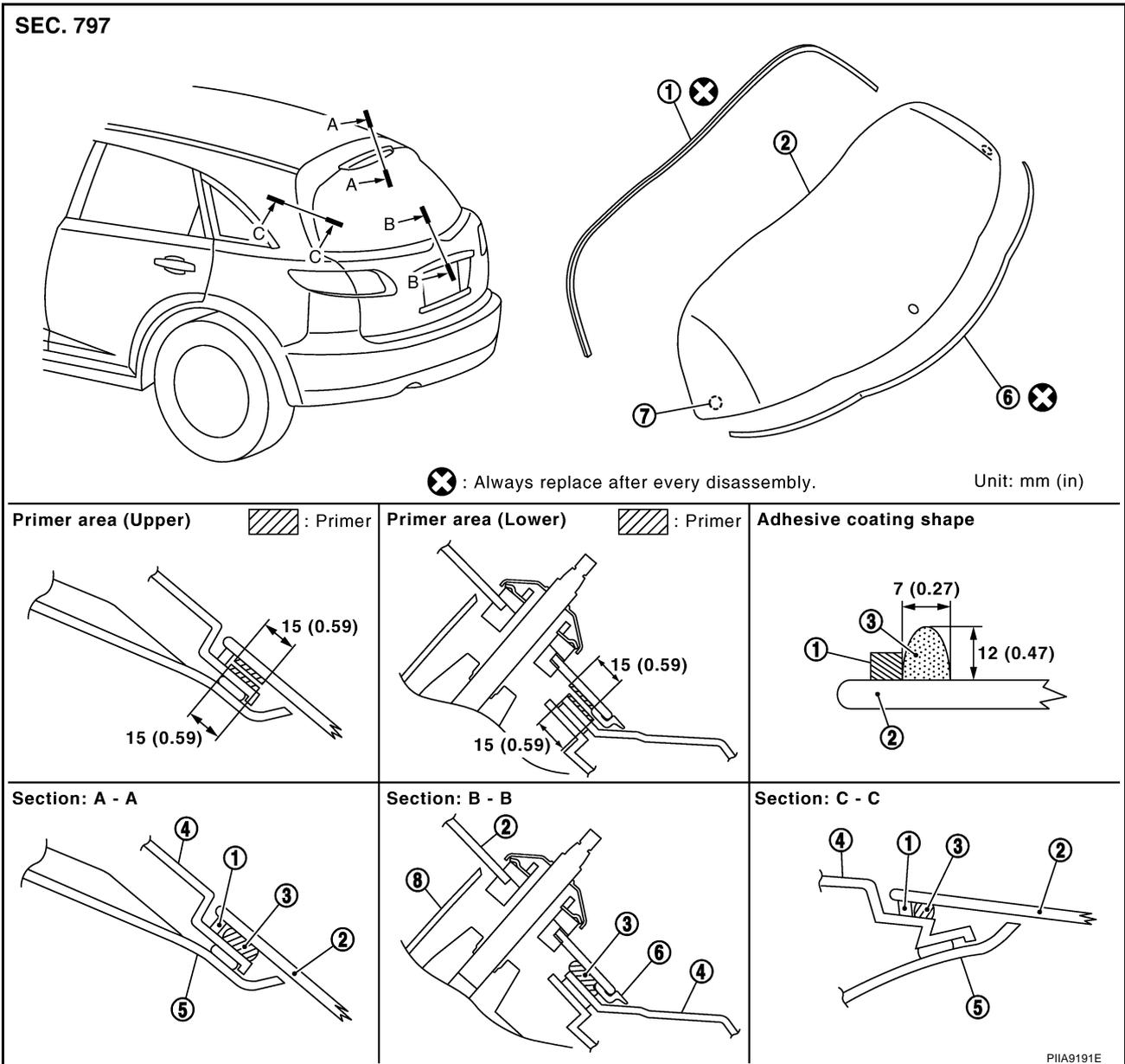
## BACK DOOR WINDOW MOLDING

PFP:90352

### Removal and Installation

NIS001TY

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- |                          |                           |                             |
|--------------------------|---------------------------|-----------------------------|
| 1. Dam rubber            | 2. Back door window glass | 3. Bond                     |
| 4. Back door outer panel | 5. Back door inner panel  | 6. Back door window molding |
| 7. Clip                  | 8. Back door panel        |                             |

### REMOVAL

Remove back door window molding. Refer to [GW-13, "REMOVAL"](#) .

#### NOTE:

Apply a strip of protective tape along the contour of back door window glass (molding) to prevent paint surface from being damaged.

### INSTALLATION

Install back door window molding. Refer to [GW-14, "INSTALLATION"](#) .

#### NOTE:

- Clean adhesive portion of back door window glass and around circumference with white gasoline.
- Apply dam rubber to upper and side surfaces of glass.
- Attach back door window molding to side face of glass.

## BACK DOOR WINDOW MOLDING

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- Back door window molding should not overlap on the surface of back door window glass.

# ROOF SIDE MOLDING

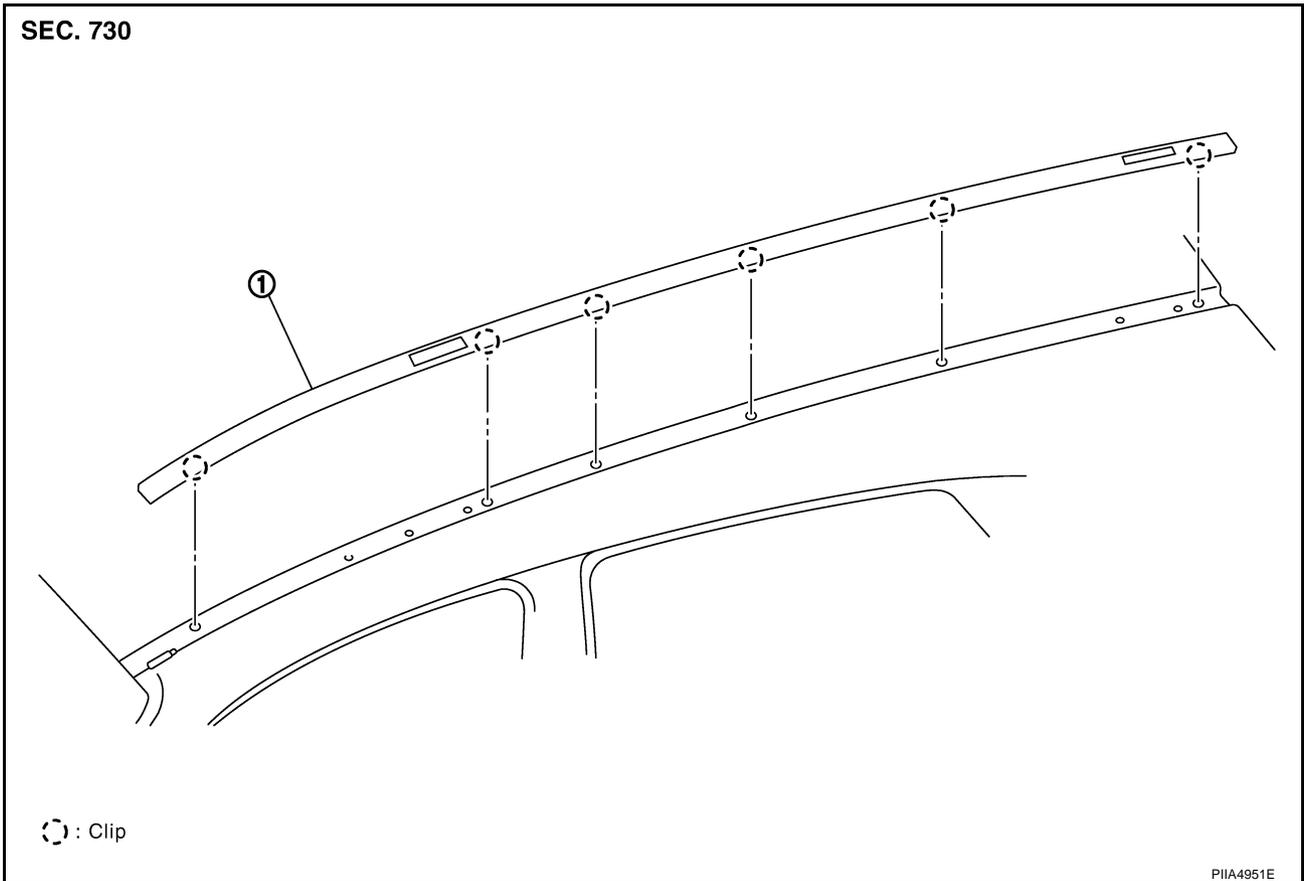
## ROOF SIDE MOLDING

PFP:73854

### Removal and Installation

NIS001TZ

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1. Roof side molding

### REMOVAL

Disconnect molding from roof side clip and remove roof side molding.

### INSTALLATION

Install in the reverse order of removal.

### CAUTION:

To install roof side molding, check if all clips are matched over holes of panel on vehicle, then push it.

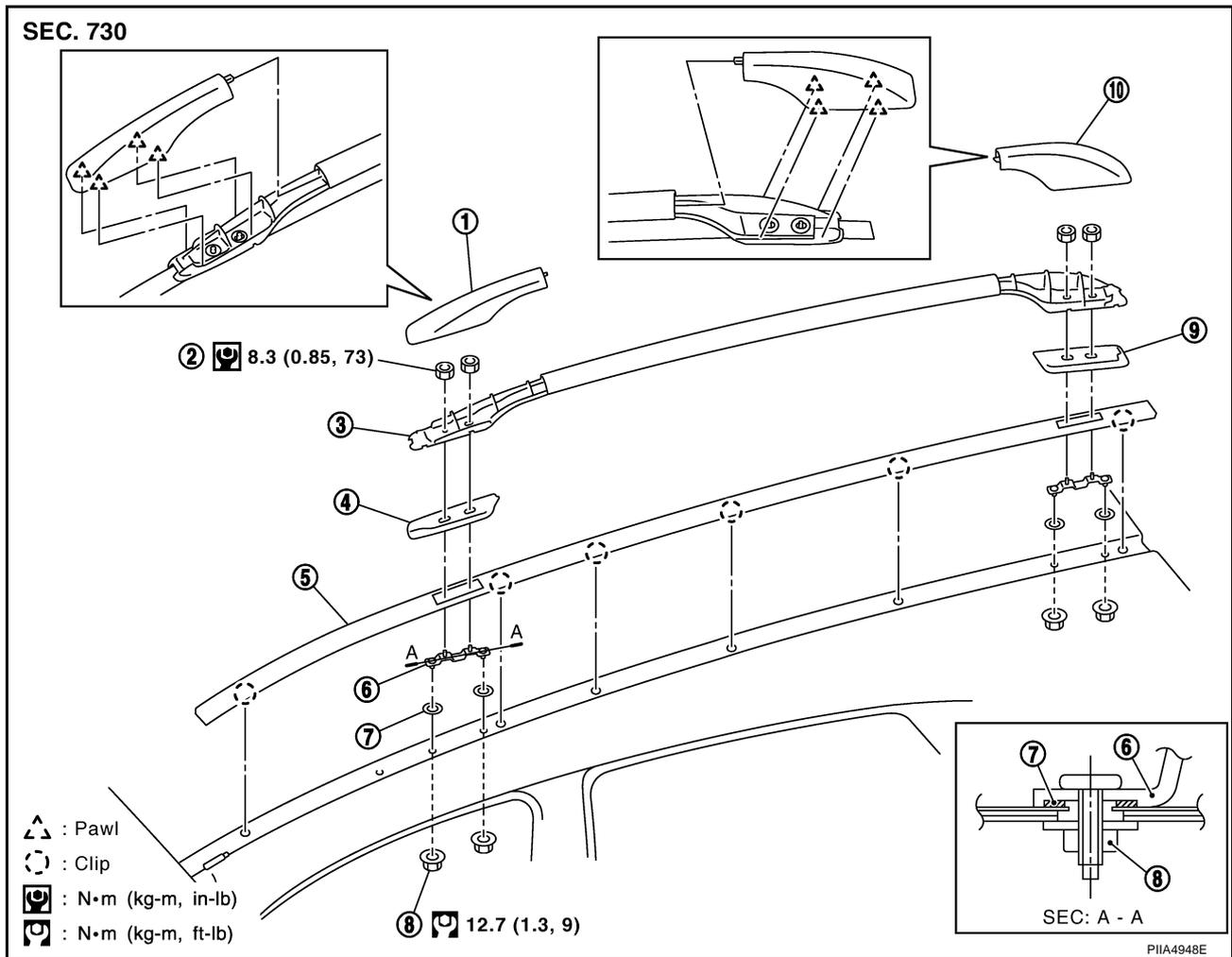
# ROOF RAIL

PFP:73820

NIS001U0

## ROOF RAIL

### Removal and Installation



- |                            |                      |                               |
|----------------------------|----------------------|-------------------------------|
| 1. Cover roof rail (front) | 2. Nut               | 3. Roof rail assembly         |
| 4. Rubber seal (front)     | 5. Roof side molding | 6. Roof rail bracket assembly |
| 7. Seal                    | 8. Nut               | 9. Rubber seal (rear)         |
| 10. Cover roof rail (rear) |                      |                               |

### REMOVAL

1. Remove cover roof rail (front/rear).
2. Remove nuts of roof rail and remove roof rail assembly.

### INSTALLATION

Install in the reverse order of removal.

### REMOVAL AND INSTALLATION OF ROOF RAIL BRACKET

#### Removal

1. Remove roof rail assembly.
2. Remove roof side molding. Refer to [EI-33, "ROOF SIDE MOLDING"](#).
3. Remove headlining. Refer to [EI-43, "HEADLINING"](#).
4. Remove nuts of roof rail bracket assembly and remove roof rail bracket assembly.

#### Installation

Install in the reverse order of removal.

**CAUTION:**  
 Replace sealing washer.

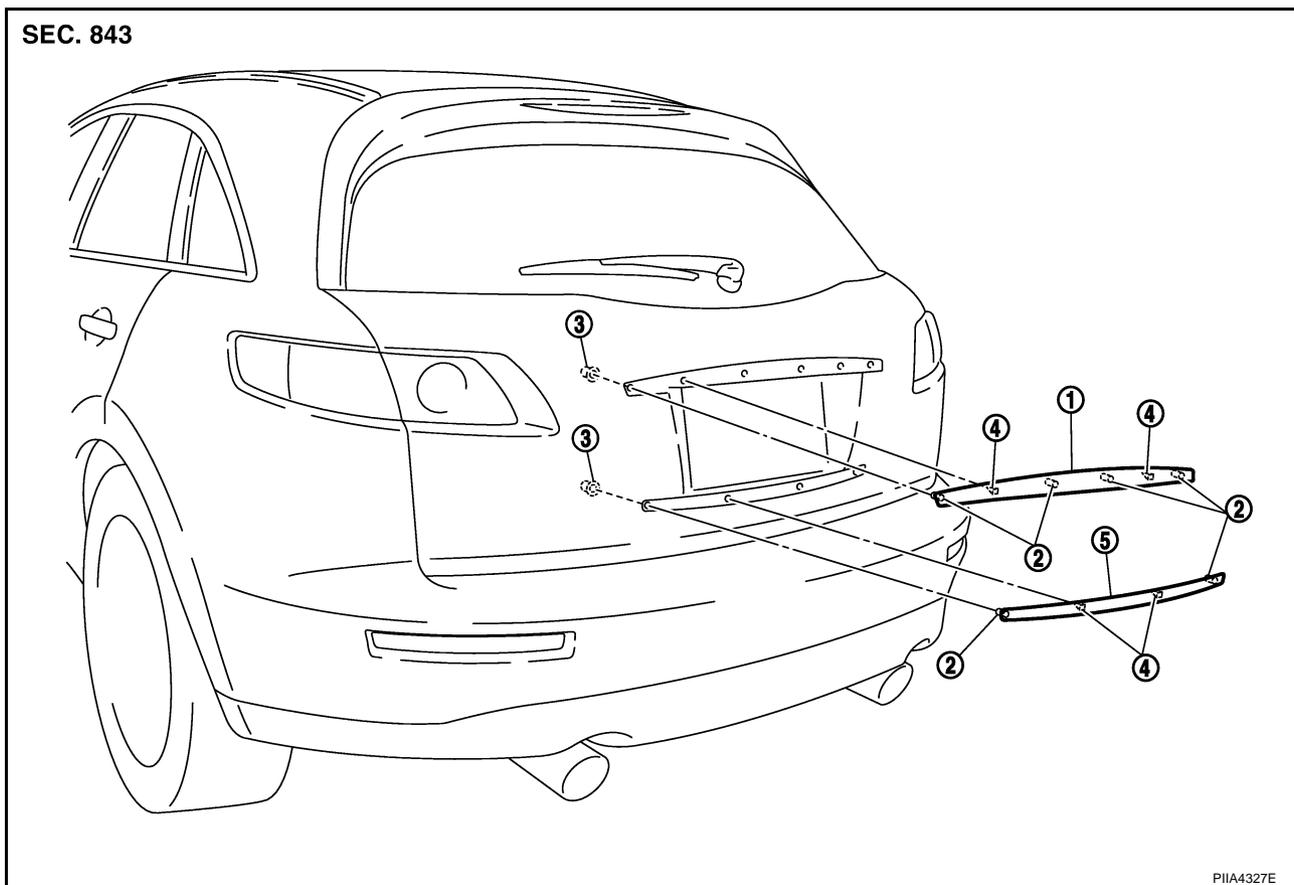
# BACK DOOR FINISHER

## BACK DOOR FINISHER Removal and Installation

PFP:90900

NIS002AG

SEC. 843



- |                                     |                                     |        |
|-------------------------------------|-------------------------------------|--------|
| 1. Back door outside finisher upper | 2. Bolt                             | 3. Nut |
| 4. Clip                             | 5. Back door outside finisher lower |        |

### REMOVAL

1. Remove back door finisher inner. Refer to [EI-47, "Removal and Installation"](#).
2. Remove back door outside finisher upper nuts and back door outside finisher upper.
3. Remove back door outside finisher lower nuts and back door outside finisher lower.

### INSTALLATION

Install in the reverse order of removal.

A  
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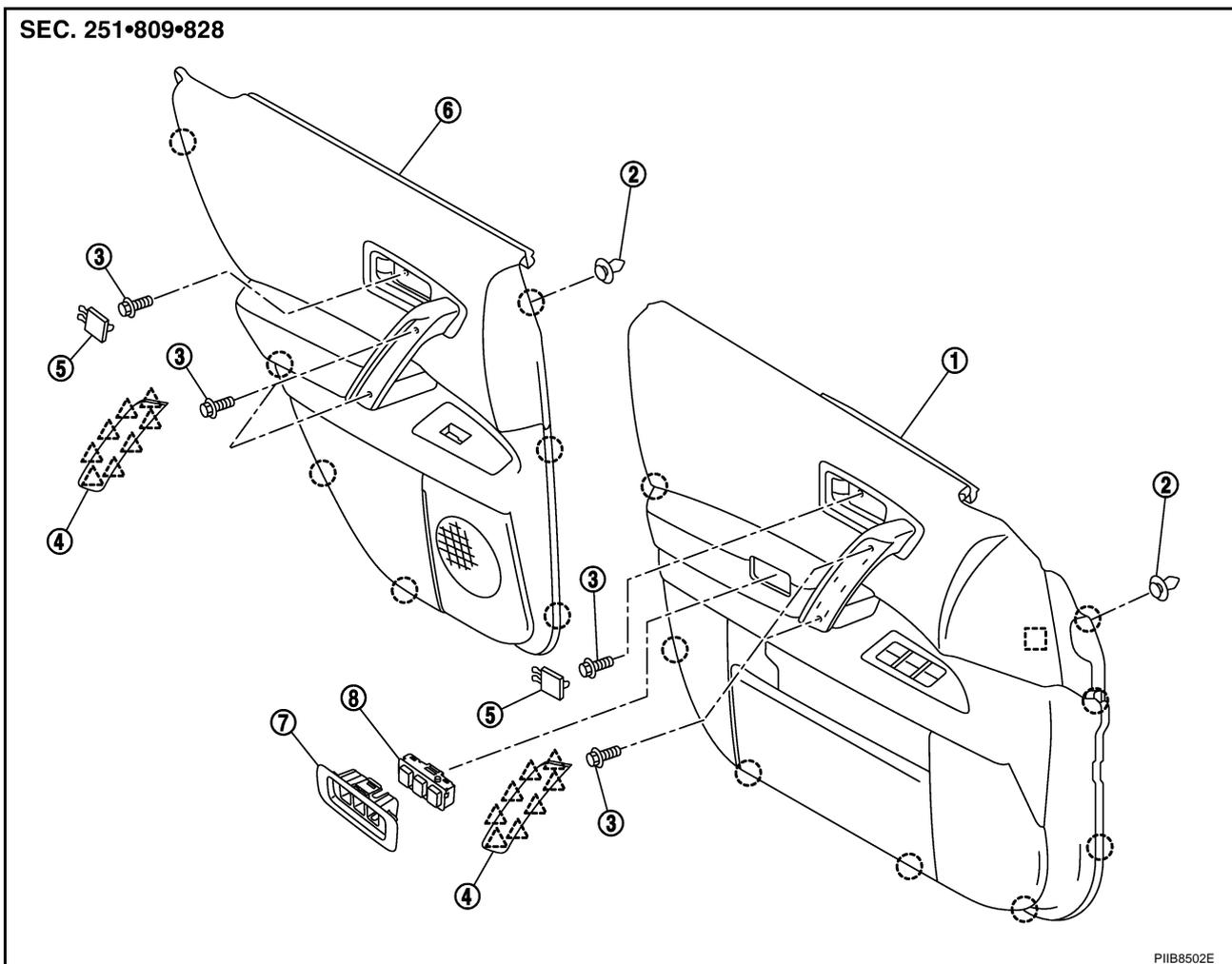
# DOOR FINISHER

## DOOR FINISHER

PFP:80900

### Removal and Installation

NIS001U1



1. Door finisher (front)

2. Clip (C101)

3. Bolt

4. Door grip cap

5. Door finisher cap

6. Door finisher (rear)

7. Seat memory switch finisher

8. Seat memory switch

○ Clip

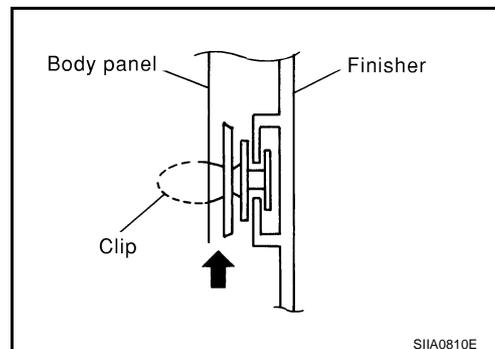
△ Pawl

□ Metal clip

### DOOR FINISHER (FRONT AND REAR)

#### Removal

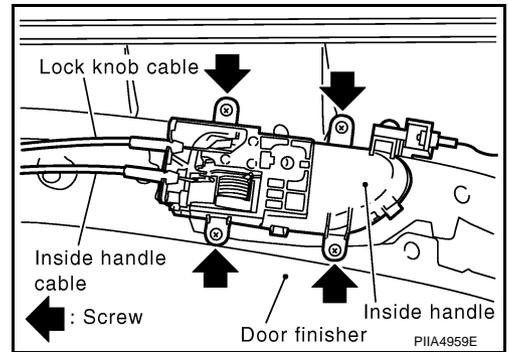
1. Remove door finisher cap of inside handle portion and remove bolt.
2. Remove door grip cap and remove bolts of door grip portion.
3. Insert screw driver rolled with cloth between panel on vehicle and clips (as indicated with arrow), and remove finisher.



4. Pull up door finisher, and remove electrical parts connectors.

## DOOR FINISHER

5. Remove lock knob cable, inside handle cable and illumination harness connector (front door only) from backside of inside handle assembly.



6. Remove the following parts after removing door finisher.
- Inside handle
  - Seat memory switch and seat memory switch finisher
  - Power window switch
  - Step lamp

### Installation

Install in the reverse order of removal.

### CAUTION:

To install finisher, check if all clips are matched over holes of panel on vehicle, then push it.

A  
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M

# BODY SIDE TRIM

PFP:76913

NIS001U2

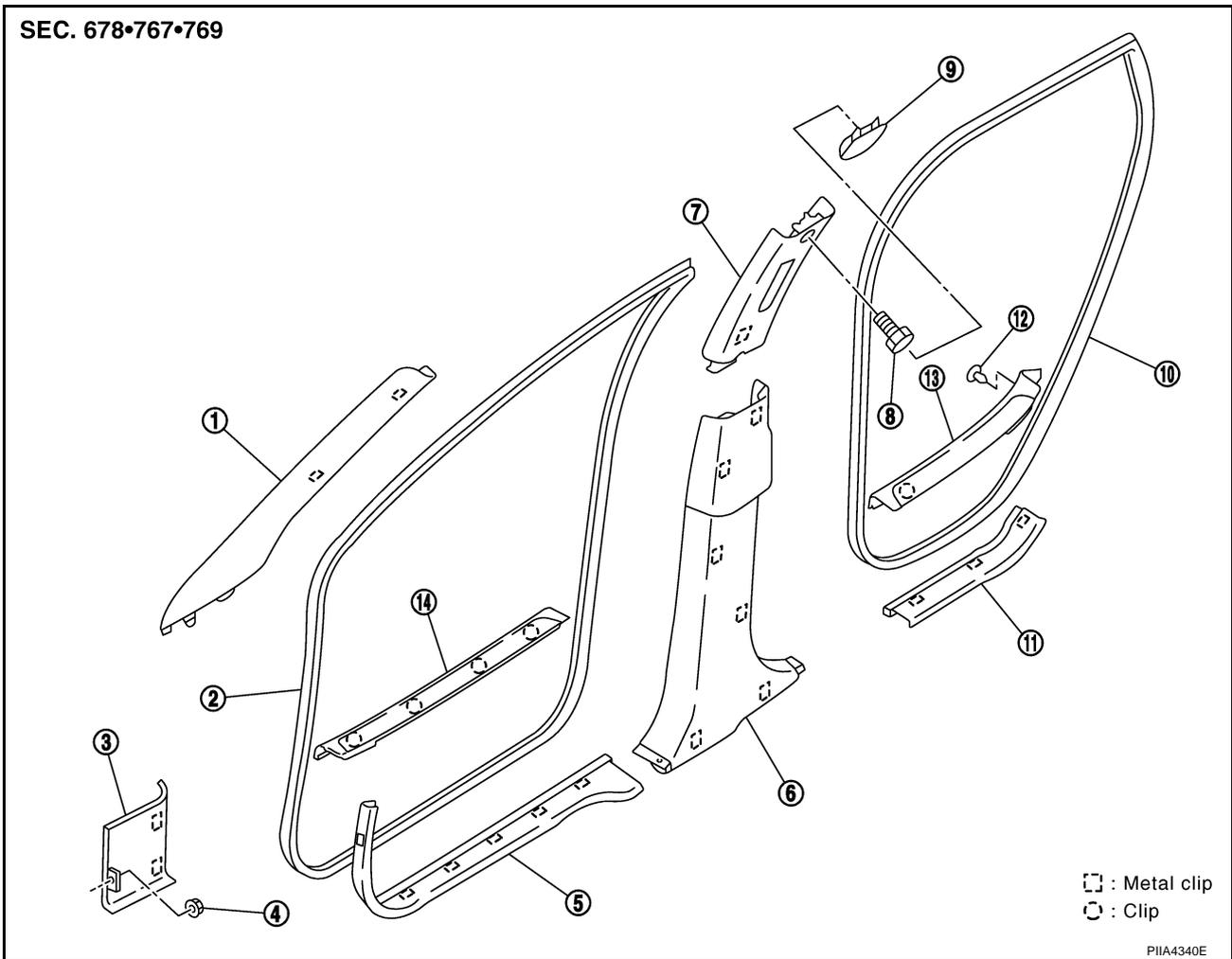
## BODY SIDE TRIM

### Removal and Installation

#### CAUTION:

Wrap the tip of flat-bladed screwdriver with a cloth when removing metal clips from garnishes.

SEC. 678•767•769

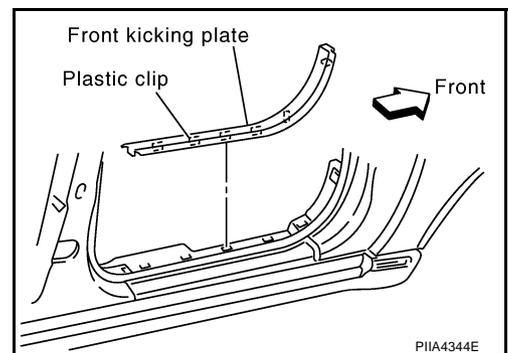


- |                                     |                                      |                                |
|-------------------------------------|--------------------------------------|--------------------------------|
| 1. Front pillar garnish             | 2. Front body side welt              | 3. Dash side finisher          |
| 4. Nut                              | 5. Front kicking plate               | 6. Center pillar lower garnish |
| 7. Center pillar upper garnish      | 8. Bolt                              | 9. Center pillar upper cap     |
| 10. Rear body side welt             | 11. Rear kicking plate               | 12. Clip (C203)                |
| 13. Center mudguard finisher (rear) | 14. Center mudguard finisher (front) |                                |

## CENTER PILLAR LOWER GARNISH

### Removal

1. Remove front and rear kicking plate.
2. Remove front and rear body side welt.

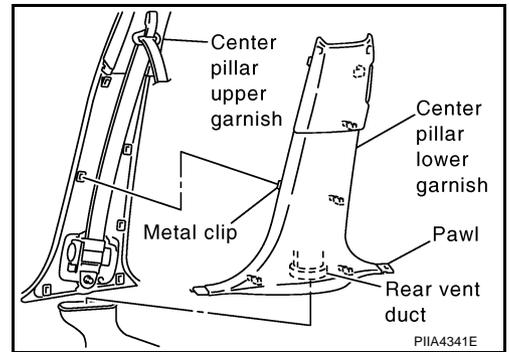


# BODY SIDE TRIM

3. Remove center pillar lower garnish.

**NOTE:**

Insert screwdriver rolled with cloth between panel on vehicle and clips, then disconnect clips.



**Installation**

Install in the reverse order of removal.

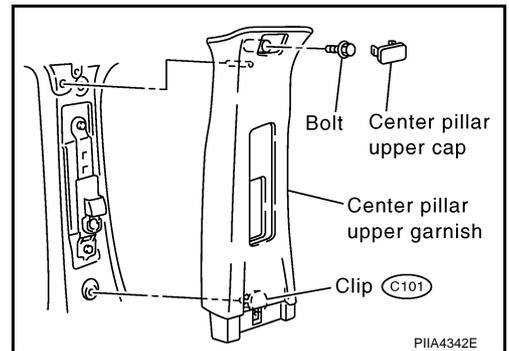
**NOTE:**

To install, check if all clips are matched over holes of panel on vehicle, then push on.

## CENTER PILLAR UPPER GARNISH

**Removal**

1. Remove seat belt shoulder anchor. Refer to [SB-4, "Removal and Installation of Front Seat Belt"](#) .
2. Remove front and rear kicking plate.
3. Remove front and rear body side welt.
4. Remove center pillar lower garnish.
5. Remove center pillar upper cap and bolt.
6. Remove center pillar upper garnish.



**Installation**

Install in the reverse order of removal.

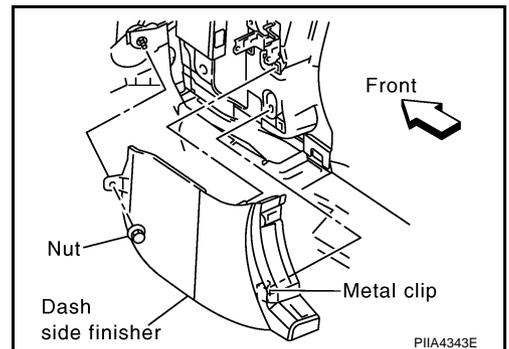
## DASH SIDE FINISHER

**Removal**

1. Remove front kicking plate.
2. Remove front body side welt.
3. Remove nut.
4. Remove dash side finisher.

**NOTE:**

Insert screwdriver rolled with cloth between panel on vehicle and clips, then disconnect clips.



**Installation**

Install in the reverse order of removal.

**NOTE:**

To install, check if all clips are matched over holes of panel on vehicle, then push on.

A  
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# BODY SIDE TRIM

## FRONT PILLAR GARNISH

### Removal

Remove front pillar garnish clips and remove front pillar garnish.

### Installation

Install in the reverse order of removal.

## KICKING PLATE

### Removal

Remove kicking plate clips and remove kicking plate.

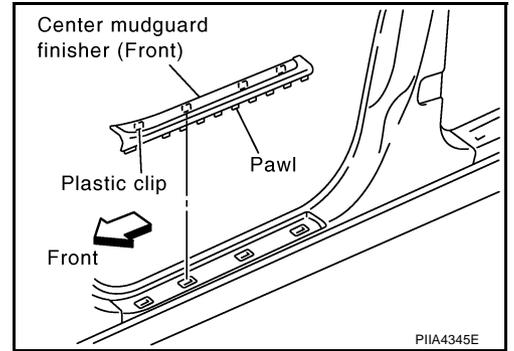
### Installation

Install in the reverse order of removal.

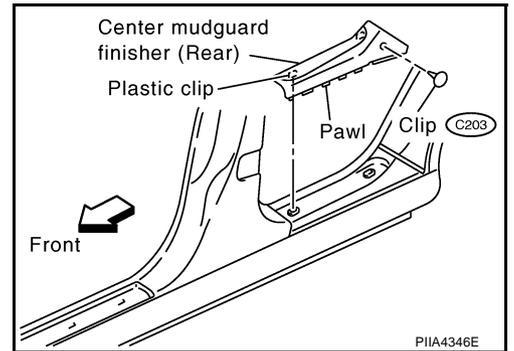
## CENTER MUDGUARD FINISHER (FRONT/REAR)

### Removal

1. Remove center mudguard finisher (front).



2. Remove center mudguard finisher clip and remove center mudguard finisher (rear).



### Installation

Install in the reverse order of removal.

# FLOOR TRIM

## FLOOR TRIM

PFP:74902

### Removal and Installation

NIS001U3

A  
B  
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E  
F  
G  
H

EI

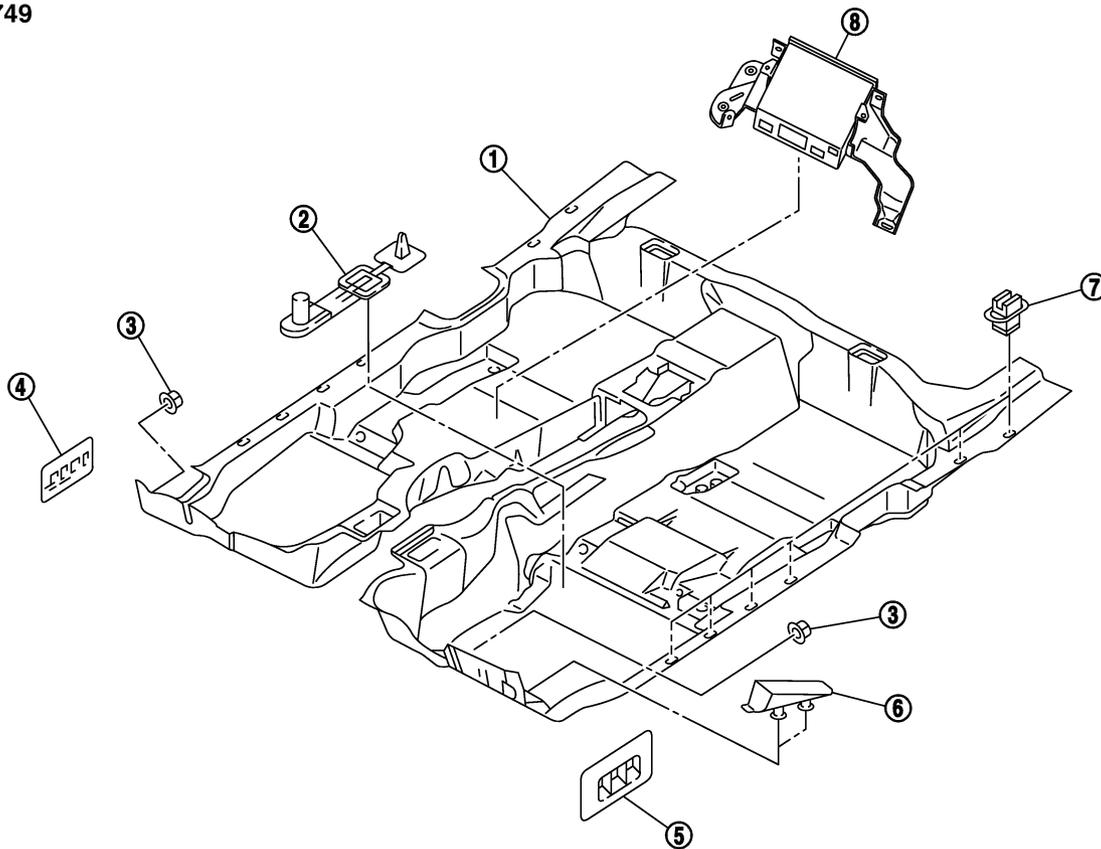
J

K

L

M

SEC. 749

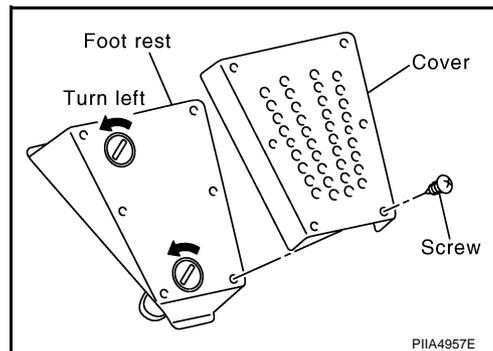


PIIA4956E

- |                     |                      |                       |
|---------------------|----------------------|-----------------------|
| 1. Floor carpet     | 2. Carpet hook       | 3. Nut                |
| 4. Foot-grille (RH) | 5. Foot-grille (LH)  | 6. Foot-rest (driver) |
| 7. Fixing clip      | 8. NAVI control unit |                       |

### REMOVAL

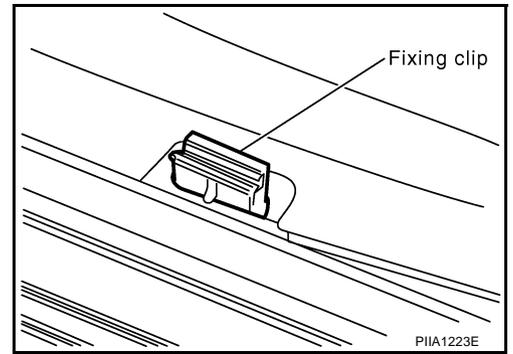
1. Remove front seat and rear seat cushion. Refer to [SE-97, "Removal and Installation"](#) and [SE-104, "Removal and Installation"](#).
2. Remove center console assembly. Refer to [IP-10, "INSTRUMENT PANEL ASSEMBLY"](#).
3. Remove front and rear kicking plate. Refer to [EI-38, "Removal and Installation"](#).
4. Remove front and rear body side welt. Refer to [EI-38, "Removal and Installation"](#).
5. Remove center pillar lower garnish. Refer to [EI-38, "Removal and Installation"](#).
6. Remove footrest screw, cover and foot-rest.
7. Remove dash side finisher. Refer to [EI-38, "Removal and Installation"](#).
8. Remove foot-grille (RH/LH).
9. Remove NAVI control unit. Refer to [AV-155, "Removal and Installation of NAVI Control Unit"](#).
10. Remove carpet hook.



PIIA4957E

## FLOOR TRIM

11. Remove floor carpet from carpet fixing clip and remove floor carpet.



### INSTALLATION

Install in the reverse order of removal.

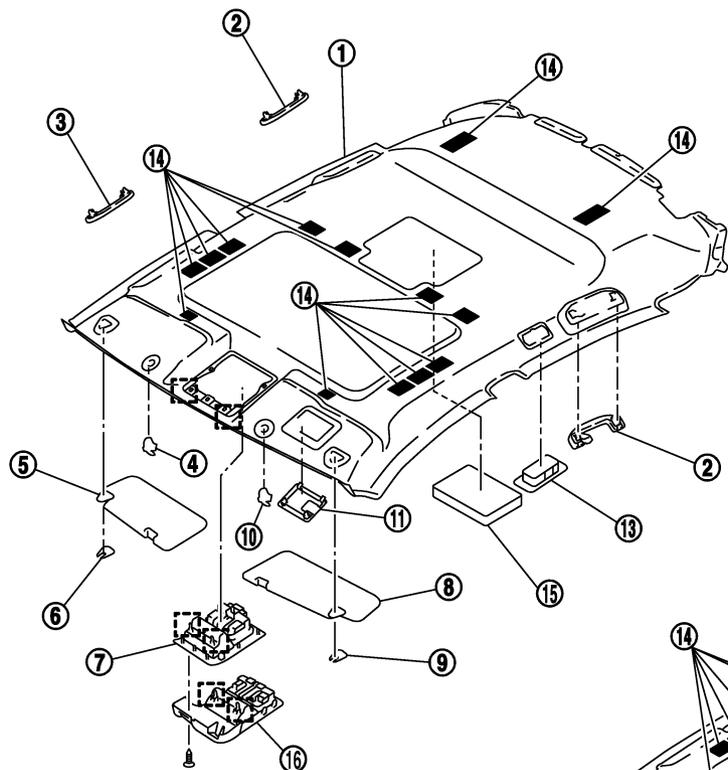
## HEADLINING

### Removal and Installation

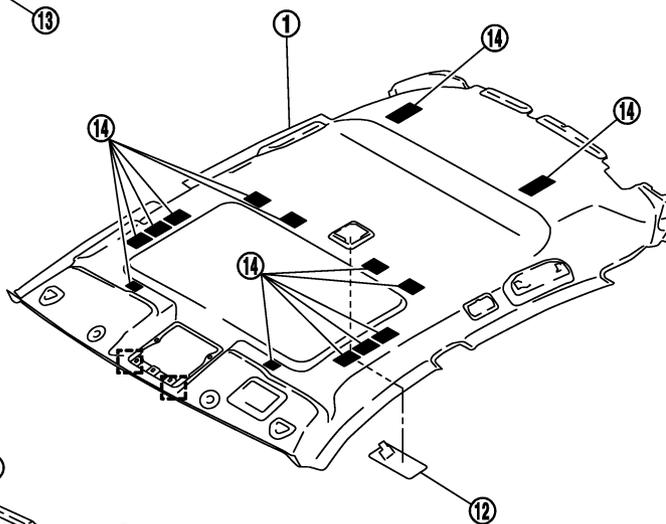
NIS001U4

SEC. 264•738•963•964

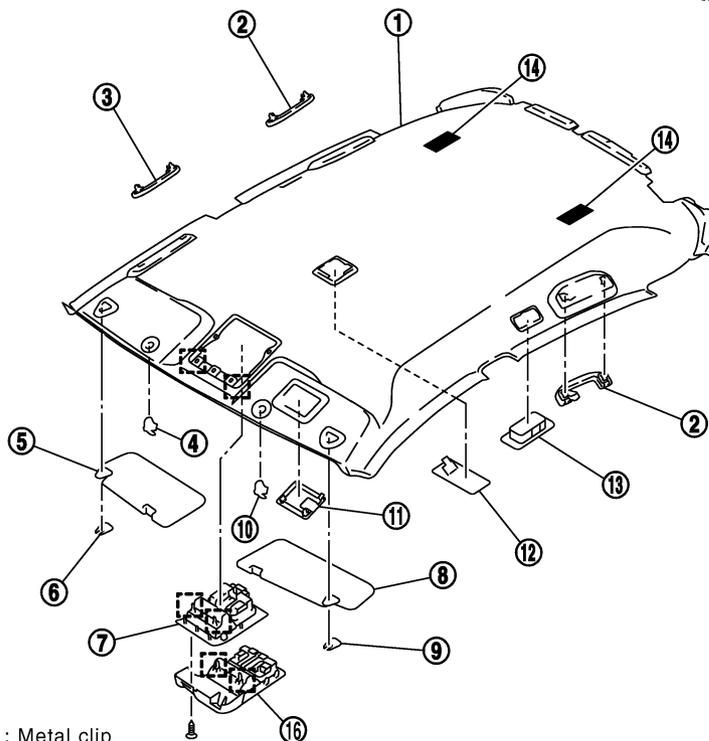
With sunroof and display



With sunroof except display



Except sunroof and display



: Metal clip

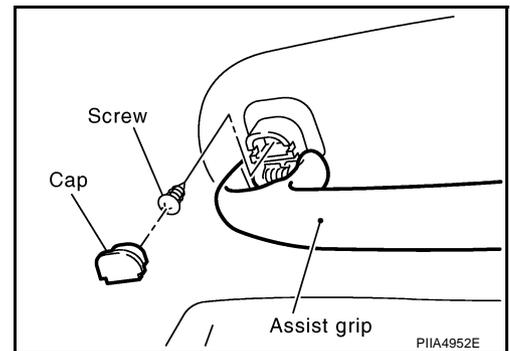
PIIB3263E

# HEADLINING

- |   |                       |                         |
|---|-----------------------|-------------------------|
| 1. Headlining                             | 2. Assist grip (rear) | 3. Assist grip (front)  |
| 4. Sun-visor holder (RH)                  | 5. Sun-visor (RH)     | 6. Sun-visor cover (RH) |
| 7. Roof console (without LDW camera unit) | 8. Sun-visor (LH)     | 9. Sun-visor cover (LH) |
| 10. Sun-visor holder (LH)                 | 11. Finisher          | 12. Room lamp           |
| 13. Personal lamp                         | 14. Fastener          | 15. DVD display rear    |
| 16. Roof console (with LDW camera unit)   |                       |                         |

## REMOVAL

1. Remove front pillar garnish. Refer to [EI-38, "Removal and Installation"](#) .
2. Remove kicking plate (front/rear). Refer to [EI-38, "Removal and Installation"](#) .
3. Remove body side welt. Refer to [EI-38, "Removal and Installation"](#) .
4. Remove seat belt shoulder anchor (front/rear). Refer to [SB-4, "Removal and Installation of Front Seat Belt"](#) and [SB-6, "Removal and Installation of Rear Seat Belt"](#) .
5. Remove center pillar garnish (lower/upper) and luggage side finisher assembly and rear pillar upper garnish assembly. Refer to [EI-38, "Removal and Installation"](#) and [EI-45, "Removal and Installation"](#) .
6. Remove assist grip caps and screw. Remove assist grip.



7. Remove sun-visor (RH/LH), and disconnect harness connector with lamp model.
8. Remove sun-visor holder.
9. Remove DVD display rear. Refer to [AV-172, "Removal and Installation for DVD Display Unit"](#) .
10. Remove roof console.
11. Remove LDW camera unit. Refer to [DI-104, "Removal and Installation for LDW Camera Unit"](#) .
12. Disconnect harness connector at front left side of headlining.
13. Put front seat to front most and recline seat back to backward.
14. Remove headlining, turn and take out from back door.

### CAUTION:

- Always remove or install in a pair.
- Cover surroundings with waste to avoid scratches or damages.
- Do not bend headlining too hard.

15. Remove following parts after removing headlining.
  - Room lamp
  - Personal lamp

## INSTALLATION

Install in the reverse order of removal.

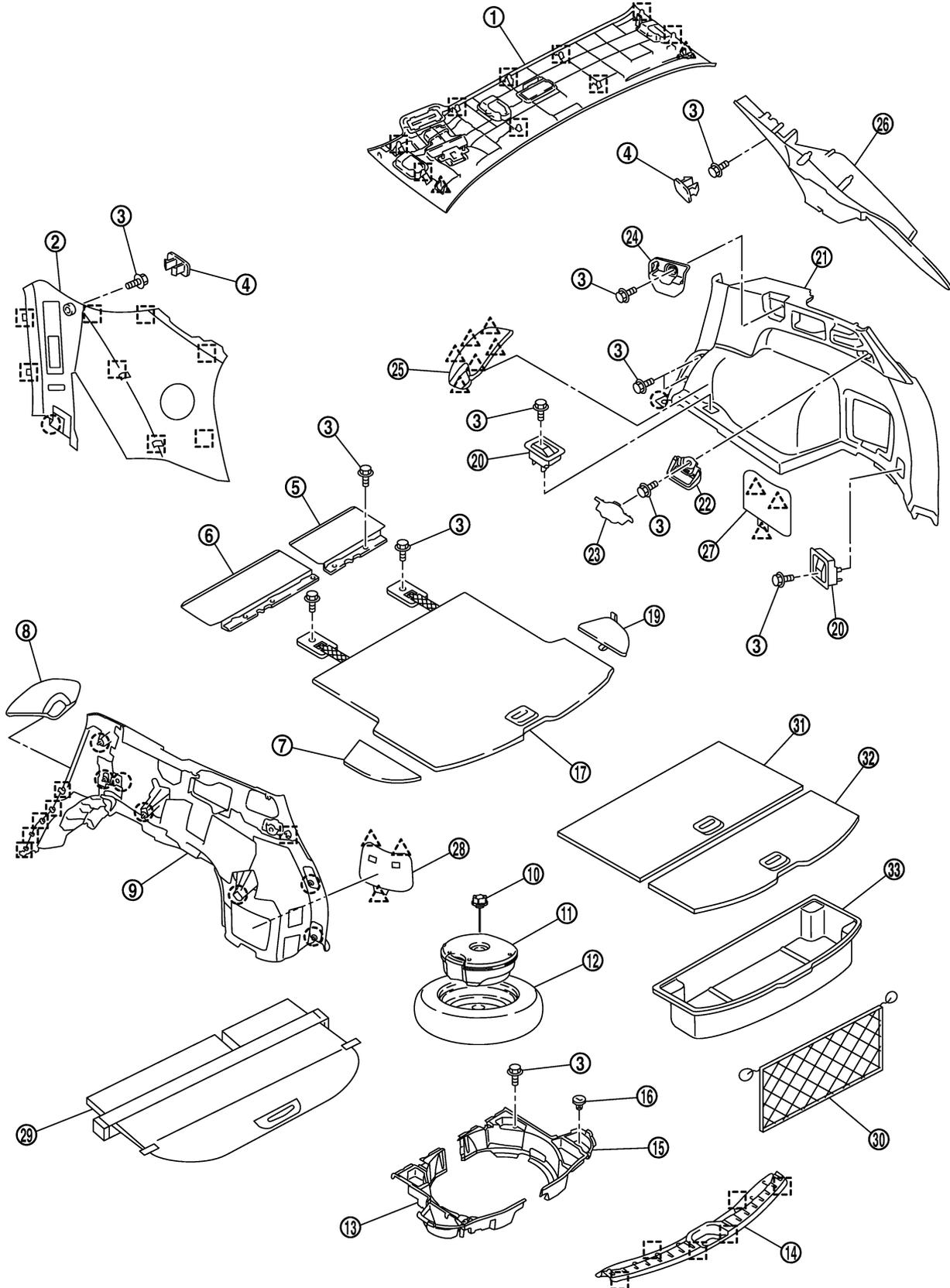
# LUGGAGE FLOOR TRIM

## LUGGAGE FLOOR TRIM Removal and Installation

PFP:84999

NIS001U5

SEC. 849



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EI

PIIB8503E

# LUGGAGE FLOOR TRIM

- |  |   |  |
|--|---|--|
| 1. Roof rear garnish assembly                        | 2. Rear pillar upper garnish assembly (LH)          | 3. Bolt  |
| 4. Cap   | 5. Luggage floor cover assembly (RH)                | 6. Luggage floor cover assembly (LH)                 |
| 7. Luggage floor side board assembly (LH)            | 8. Rear wheel house finisher assembly (LH)          | 9. Luggage side finisher assembly (LH)               |
| 10. Clamp  | 11. Sub woofer box                                  | 12. Spare tire                                       |
| 13. Luggage side box (LH)                            | 14. Rear plate assembly                             | 15. Luggage side box (RH)                            |
| 16. Cap  | 17. Luggage floor board assembly                    | 18. Luggage floor board assembly (option for Canada) |
| 19. Luggage floor side board assembly (RH)           | 20. Net hook  | 21. Luggage side finisher assembly (RH)              |
| 22. Rear parcel shelf hook                           | 23. Rear parcel shelf cap                           | 24. Rear parcel shelf holder                         |
| 25. Rear wheel house finisher assembly (RH)          | 26. Rear pillar upper garnish assembly (RH)         | 27. Luggage finisher mask (RH)                       |
| 28. Luggage finisher mask (LH)                       | 29. Tonneau cover                                   | 30. Net  |
| 31. Luggage floor center front board (Run flat type) | 32. Luggage floor center rear board (Run flat type) | 33. Luggage floor box assembly (Run flat type)       |
-  Clip       Pawl       Metal clip

## REMOVAL

1. Remove tonneau cover.
2. Remove luggage side hook and remove net hook (RH/LH).
3. Remove luggage floor board assembly. Remove bolt with power tool.
4. Remove luggage floor side board assembly (RH/LH).
5. Remove back door weather strip.
6. Remove rear plate assembly.
7. Remove roof rear garnish assembly.
8. Remove luggage floor cover assembly (RH/LH).
9. Remove rear door kicking plate (RH/LH).
10. Remove rear body side welt.
11. Remove rear seat cushion and seatback. Refer to [SE-104, "Removal and Installation"](#) .
12. Remove rear wheel house finisher assembly (RH/LH).
13. Remove luggage side finisher assembly bolt and remove luggage side finisher assembly (RH/LH).
14. Remove bolt, and then remove parcel shelf holder.
15. Remove rear parcel shelf cap.
16. Remove bolt, and then remove rear parcel hook.
17. Remove rear seat belt anchor (RH/LH). Refer to [SB-6, "Removal and Installation of Rear Seat Belt"](#) .
18. Remove rear pillar upper garnish assembly cap and bolt, then remove rear pillar upper garnish assembly (RH/LH).
19. Remove spare tire clamp.
20. Remove sub-woofer box connector and remove sub-woofer box.
21. Remove spare tire.
22. Remove towing hook, wheel nut wrench, spanner, tire stopper, jack rod and jack complete.
23. Remove luggage side box bolt and luggage side box assembly (RH/LH).

## INSTALLATION

Install in the reverse order of removal.

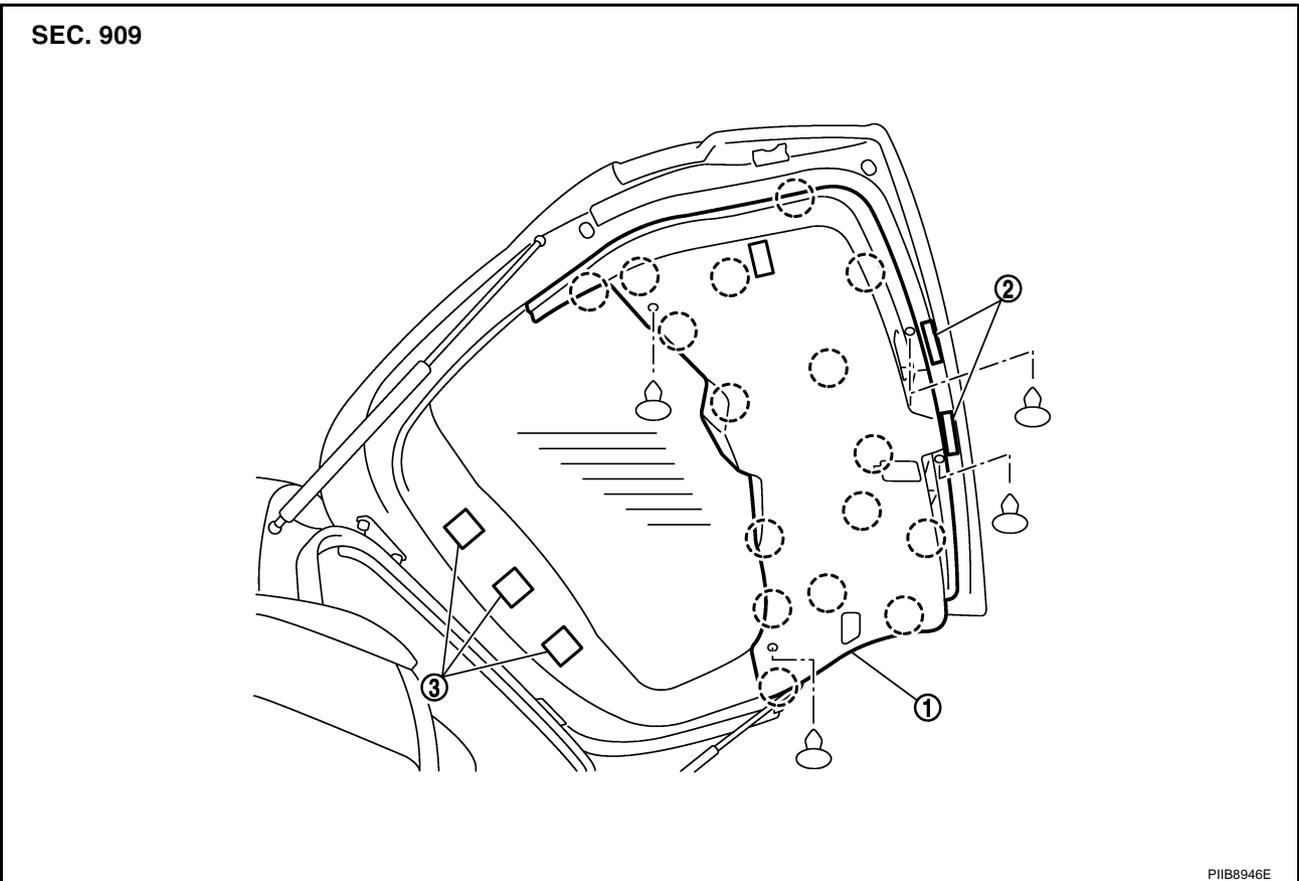
# BACK DOOR TRIM

## BACK DOOR TRIM

PFP:90900

### Removal and Installation

NIS001U6



1. Back door finisher inner

2. Pull handle

3. Back door upper cap

 Clip

### REMOVAL

1. Remove pull handle.
2. Remove back door finisher clips and remove back door finisher inner.
3. Remove back door finisher cap.

### INSTALLATION

Install in the reverse order of removal.

A  
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# BACK DOOR TRIM

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