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# PRECAUTIONS

< PRECAUTION >

## PRECAUTION

### PRECAUTIONS

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

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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 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 3 minutes before performing any service.

#### Precaution Necessary for Steering Wheel Rotation After Battery Disconnect

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#### **NOTE:**

- This Procedure is applied only to models with Intelligent Key system and NATS (NISSAN ANTI-THEFT SYSTEM).
- Remove and install all control units after disconnecting both battery cables with the ignition knob in the "LOCK" position.
- Always use CONSULT-III to perform self-diagnosis as a part of each function inspection after finishing work. If DTC is detected, perform trouble diagnosis according to self-diagnostic results.

For models equipped with the Intelligent Key system and NATS, an electrically controlled steering lock mechanism is adopted on the key cylinder.

For this reason, if the battery is disconnected or if the battery is discharged, the steering wheel will lock and steering wheel rotation will become impossible.

If steering wheel rotation is required when battery power is interrupted, follow the procedure below before starting the repair operation.

#### OPERATION PROCEDURE

1. Connect both battery cables.

#### **NOTE:**

Supply power using jumper cables if battery is discharged.

2. Use the Intelligent Key or mechanical key to turn the ignition switch to the "ACC" position. At this time, the steering lock will be released.
3. Disconnect both battery cables. The steering lock will remain released and the steering wheel can be rotated.
4. Perform the necessary repair operation.

## PRECAUTIONS

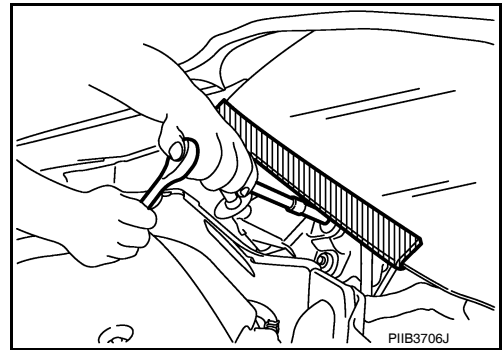
### < PRECAUTION >

5. When the repair work is completed, return the ignition switch to the "LOCK" position before connecting the battery cables. (At this time, the steering lock mechanism will engage.)
6. Perform a self-diagnosis check of all control units using CONSULT-III.

### Precaution

INFOID:000000005929547

- When removing or disassembling any part, be careful not to damage or deform it. Protect parts which may get in the way with cloth.
- When removing parts with a screwdriver or other tool, protect parts by wrapping them with vinyl or tape.
- Keep removed parts protected with cloth.
- If a clip is deformed or damaged, replace it.
- If an un reusable part is removed, replace it with a new one.
- Tighten bolts and nuts firmly to the specified torque.
- After re-assembly has been completed, make sure each part functions correctly.
- Remove stains in the following way.
  - Water-soluble stains:  
Dip a cloth in warm water, and squeeze tightly. After wiping the stain, wipe with a soft dry cloth.
  - Oil stain:  
Dissolve a synthetic detergent in warm water (density of 2 to 3% or less), dip the cloth, then clean off the stain with the cloth. Next, dip the soft cloth in fresh water, and then squeeze it tightly. Then clean off the detergent completely. Then wipe the area with a soft dry cloth.
- Do not use any organic solvent, such as thinner or benzine.
- When performing procedures that require removal of the cowl top, cover the lower end of the windshield with a suitable protection material.



# PREPARATION

< PREPARATION >

## PREPARATION

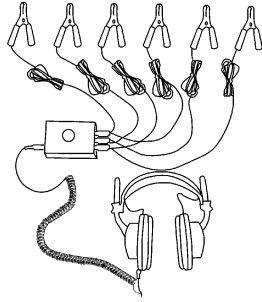
### PREPARATION

#### Special Service Tool

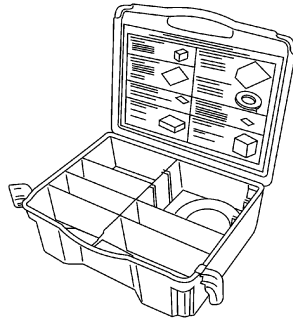
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The actual shapes of Kent-Moore tools may differ from those of special service tools illustrated here.

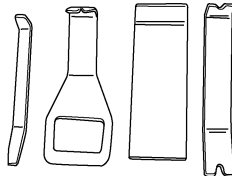
Tool number (Kent-Moore No.) Tool name	Description
— (J-39570) Chassis ear	Locating the noise
— (J-43980) NISSAN Squeak and Rattle kit	Repairing the cause of noise
— (J-46534) Trim Tool Set	Removing trim components



SBT839



SBT840

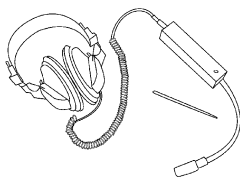


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#### Commercial Service Tool

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Tool number (Kent-Moore No.) Tool name	Description
— (J-39565) Engine ear	Locating the noise



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# SQUEAK AND RATTLE TROUBLE DIAGNOSIS

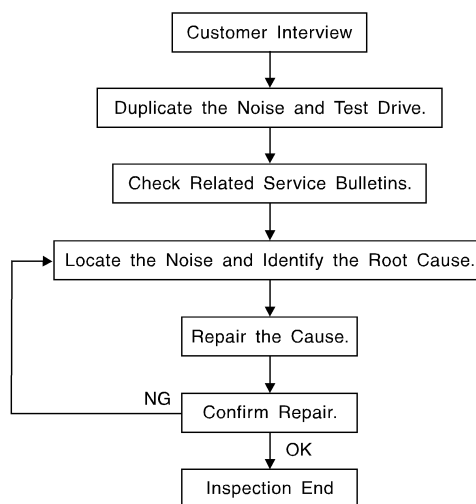
< SYMPTOM DIAGNOSIS >

## SYMPTOM DIAGNOSIS

### SQUEAK AND RATTLE TROUBLE DIAGNOSIS

#### Work Flow

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SBT842

#### CUSTOMER INTERVIEW

Interview the customer, if possible, to determine the conditions that exist when the noise occurs. Use the Diagnostic Worksheet during the interview to document the facts and conditions when the noise occurs and any customer's comments; refer to [EI-10, "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 bumblebee)  
Buzz characteristics include high frequency rattle/firm contact.
- Often the degree of acceptable noise level will vary depending upon the person. A noise that you may judge as acceptable may be very irritating to the customer.
- Weather conditions, especially humidity and temperature, may have a great effect on noise level.

#### DUPLICATE THE NOISE AND TEST DRIVE

# SQUEAK AND RATTLE TROUBLE DIAGNOSIS

## < 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:

- Close a door.
- Tap or push/pull around the area where the noise appears to be coming from.
- Rev the engine.
- Use a floor jack to recreate vehicle "twist".
- At idle, apply engine load (electrical load, half-clutch on M/T model, drive position on A/T and CVT models).
- 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 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 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 [EI-8, "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.**

**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 x 135 mm (3.94 x 5.31 in)/76884-71L01: 60 x 85 mm (2.36 x 3.35 in)/76884-71L02: 15 x 25 mm (0.59 x 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 x 50 mm (1.97 x 1.97 in)/73982-50Y00: 10 mm (0.39 in) thick, 50 x 50 mm (1.97 x 1.97 in)

INSULATOR (Light foam block)

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

FELT CLOTH TAPE

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

68370-4B000: 15 x 25 mm (0.59 x 0.98 in) pad/68239-13E00: 5 mm (0.20 in) wide tape roll

# SQUEAK AND RATTLE TROUBLE DIAGNOSIS

## < SYMPTOM DIAGNOSIS >

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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

INFOID:000000005929551

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 pins
6. Wiring harnesses behind the combination meter
7. A/C defroster duct and duct joint

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

### **CAUTION:**

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

## CENTER CONSOLE

Components to pay attention to include:

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

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

## DOORS

Pay attention to the:

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

Tapping or moving the components or pressing on them while driving to duplicate the conditions can isolate many of these incidents. You can usually insulate the areas with felt cloth tape or insulator foam blocks from the NISSAN Squeak and Rattle Kit (J-43980) to repair the noise.

## TRUNK

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

In addition look for:

1. Trunk lid bumpers out of adjustment
2. Trunk lid striker out of adjustment



# SQUEAK AND RATTLE TROUBLE DIAGNOSIS

## < SYMPTOM DIAGNOSIS >

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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 headliner and squeaking

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

### OVERHEAD CONSOLE (FRONT AND REAR)

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

In addition look for:

1. Loose harness or harness connectors.

2. Front console map/reading lamp lens loose.

3. Loose screws at console attachment points.

### SEATS

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

Cause of seat noise include:

1. Headrest rods and holder

2. A squeak between the seat pad cushion and frame

3. The rear seatback lock and bracket

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

### UNDERHOOD

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

Causes of transmitted underhood noise include:

1. Any component installed on the engine wall

2. Components that pass through the engine wall

3. Engine wall mounts and connectors

4. Loose radiator 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.

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# SQUEAK AND RATTLE TROUBLE DIAGNOSIS

< SYMPTOM DIAGNOSIS >

## Diagnostic Worksheet

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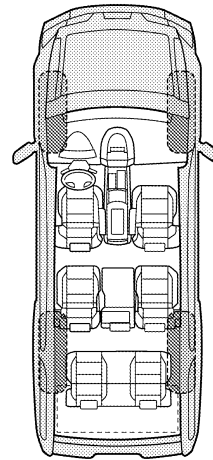
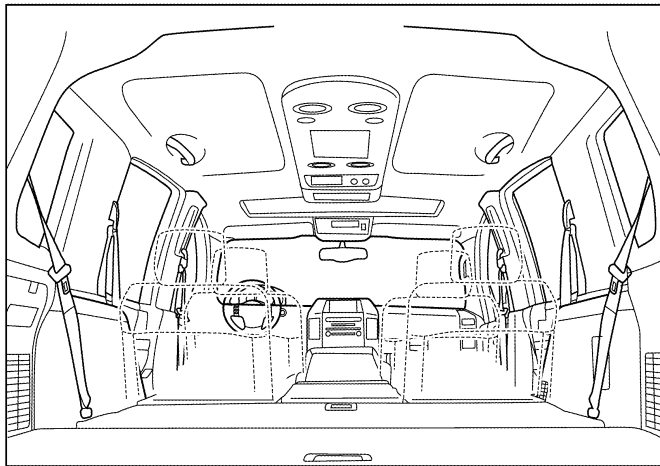
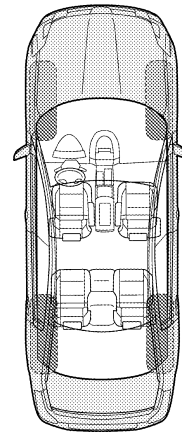
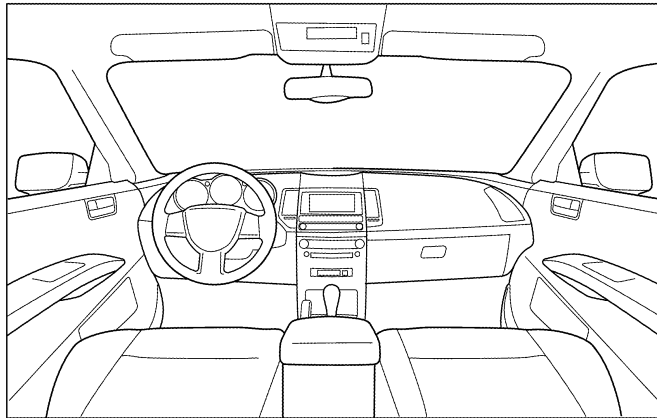
Dear Customer:

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.

# SQUEAK AND RATTLE TROUBLE DIAGNOSIS

< SYMPTOM DIAGNOSIS >

## 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

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# CLIP AND FASTENER


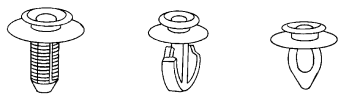


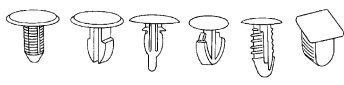
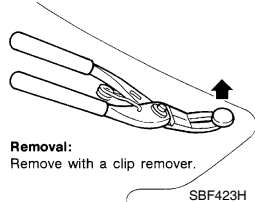

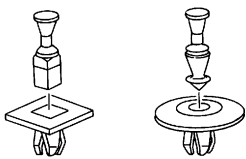
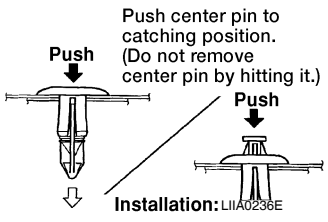
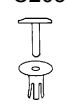
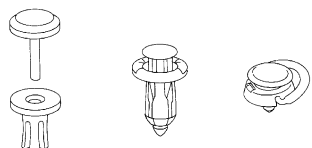
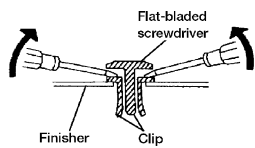

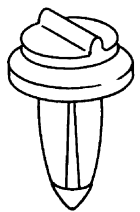
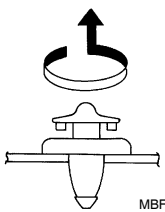

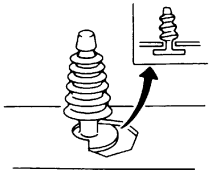
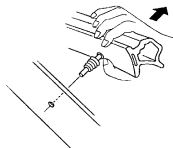
< SYMPTOM DIAGNOSIS >

## CLIP AND FASTENER

### Description

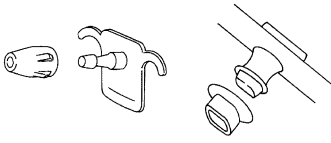
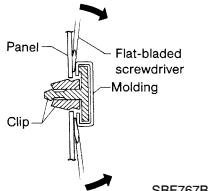
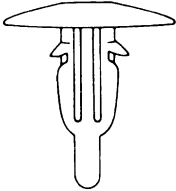
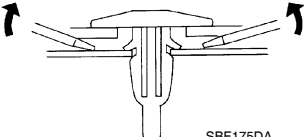
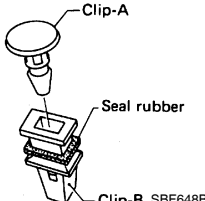
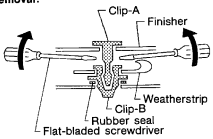
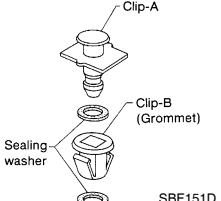
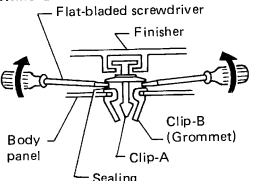
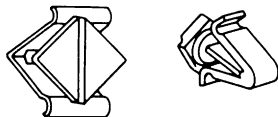
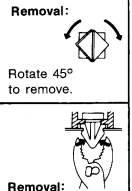

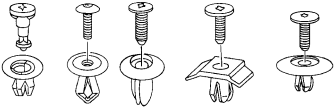
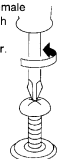
INFOID:000000005929553

- Clips and fasteners in EI section correspond to the following numbers and symbols.
- Replace any clips and/or fasteners which are damaged during removal or installation.

Symbol No.	Shapes	Removal & Installation
C101 	 SBF302H	<b>Removal:</b> Remove by bending up with flat-bladed screwdrivers or clip remover.  SBF367BA
C103 	 SBT095	<b>Removal:</b> Remove with a clip remover.  SBF423H
C203 	 SBF258G	<b>Push center pin to catching position. (Do not remove center pin by hitting it.)</b>  <b>Installation:</b> L11A0236E
C205 	 MBT080A	<b>Removal:</b>  Flat-bladed screwdriver Finisher Clip SBF638CA
C206 	 MBF519B	 MBF520B
CE103 	 SBF104B	<b>Removal:</b>  SBF147B

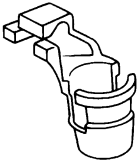
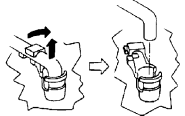

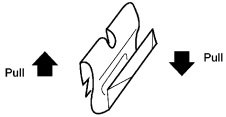
# CLIP AND FASTENER

## < SYMPTOM DIAGNOSIS >

Symbol No.	Shapes	Removal & Installation	
CE107	 <p>SBF411H</p>	 <p>Panel Flat-bladed screwdriver Molding Clip</p> <p>SBF767B</p>	A B C
CE117	 <p>SBF174D</p>	<p><b>Removal:</b> Remove by bending up with a flat-bladed screwdriver or pliers.</p>  <p>SBF175DA</p>	D E F
CF110	 <p>Clip-A Seal rubber Clip-B</p> <p>SBF648B</p>	<p><b>Removal:</b></p>  <p>Clip-A Finisher Weatherstrip Clip-B Rubber seal Flat-bladed screwdriver</p> <p>SBF649B</p>	G H
CF118	 <p>Clip-A Clip-B (Grommet) Sealing washer</p> <p>SBF151D</p>	<p><b>Removal:</b></p>  <p>Flat-bladed screwdriver Finisher Body panel Clip-B (Grommet) Clip-A Sealing washers</p> <p>SBF259G</p>	EI J
CG101	 <p>SBF145B</p>	<p><b>Removal:</b> Rotate 45° to remove.</p>  <p><b>Installation:</b></p>  <p>SBF085B</p>	K L M
CS101	 <p>SBF078B</p>	<p><b>Removal:</b></p> <ol style="list-style-type: none"> <li>Screw out with a Phillips screwdriver.</li> <li>Remove female portion with flat-bladed screwdriver.</li> </ol>  <p>SBF992G</p>	N O P

# CLIP AND FASTENER

## < SYMPTOM DIAGNOSIS >

Symbol No.	Shapes	Removal & Installation
CR103	 <p style="text-align: center;">SBF768B</p>	<p><b>Removal:</b> Holder portion of clip must be spread out to remove rod.</p>  <p style="text-align: center;">SBF770B</p>
Metal Clip	 <p style="text-align: center;">WBT072</p>	<p><b>Removal:</b></p>  <p style="text-align: center;">WBT073</p>

# FRONT BUMPER

< ON-VEHICLE REPAIR >

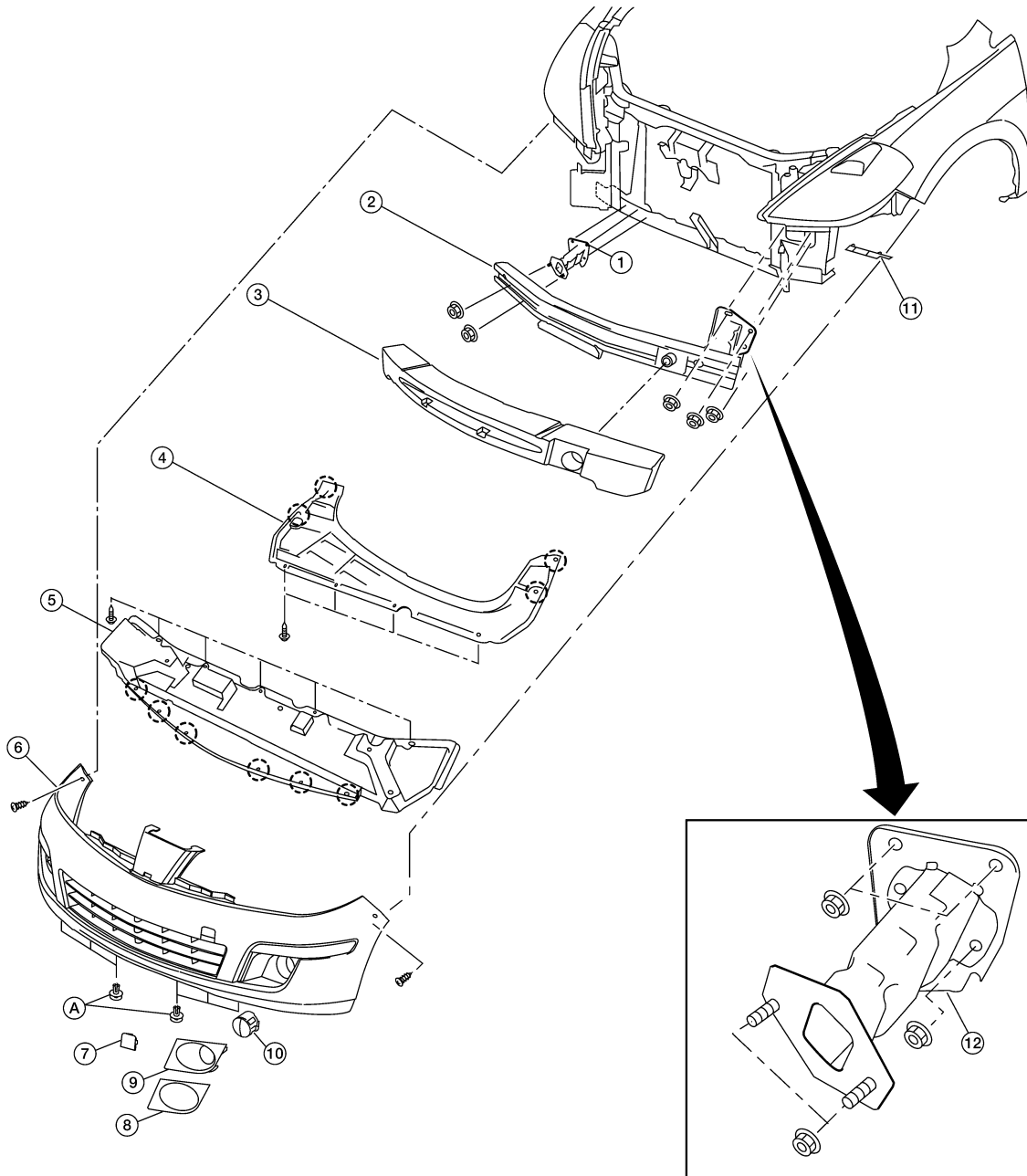
## ON-VEHICLE REPAIR

### FRONT BUMPER

#### Removal and Installation

INFOID:000000005929554

SEC.620



WIA1405E

- |                      |  |   |
|----------------------|--|---|
| 1. Bumper stay RH    | 2. Bumper reinforcement (production)             | 3. Bumper energy absorber                     |
| 4. Engine undercover | 5. Front valance                                 | 6. Front bumper fascia                        |
| 7. Access cover      | 8. Fog lamp opening finisher (without fog lamps) | 9. Fog lamp opening finisher (with fog lamps) |

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# FRONT BUMPER

## < ON-VEHICLE REPAIR >

10. Fog lamp assembly
- A. Clip C205

11. Bumper side retainer

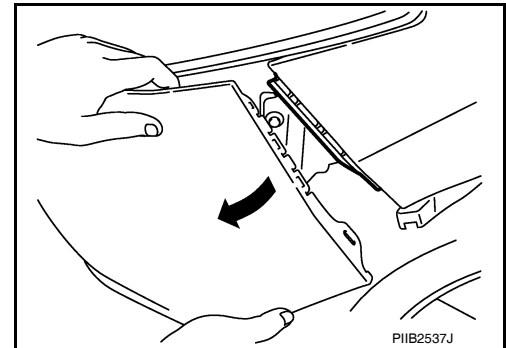
12. Bumper stay LH (service)

### CAUTION:

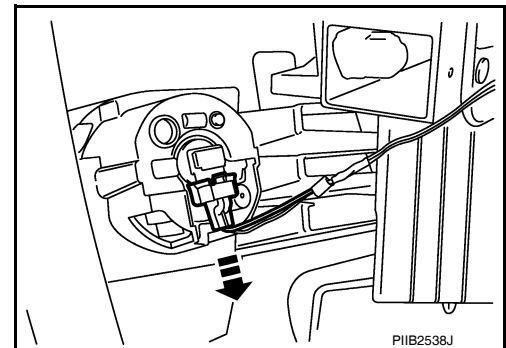
Bumper fascia is made of resin. Do not apply strong force to it, and be careful to prevent contact with oil.

### REMOVAL

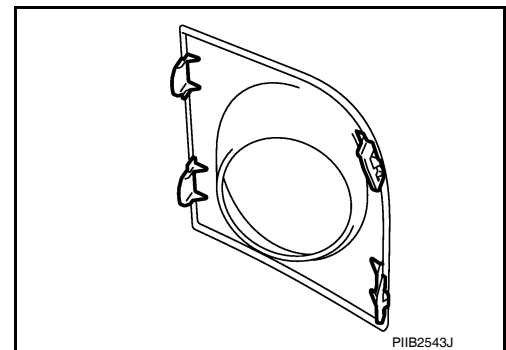
1. Open hood.
2. Remove front grille. Refer to [EI-23](#).
3. Remove front fender protectors RH/LH. Refer to [EI-26](#).
4. Remove front valance and engine undercover.
5. Remove screws of front bumper fascia RH/LH.
6. Pull the outboard edge of front bumper fascia away from vehicle to disengage from the bumper side retainer.



7. Disconnect fog lamp harness connector RH/LH (if equipped).
8. Remove the front bumper fascia.



9. Remove fog lamp opening finisher and fog lamp assembly RH/LH (if equipped). Refer to [LT-49. "Removal and Installation"](#).
10. Remove bumper energy absorber.



11. Remove RH/LH air guide mounting clips of bumper reinforcement.
12. Remove the nuts, then remove bumper reinforcement and bumper stay(s):
  - For production, bumper stay LH is part of bumper reinforcement.
  - For service, bumper stay RH/LH are separate assemblies.
13. Remove bumper side bracket RH/LH after front bumper fascia removal.

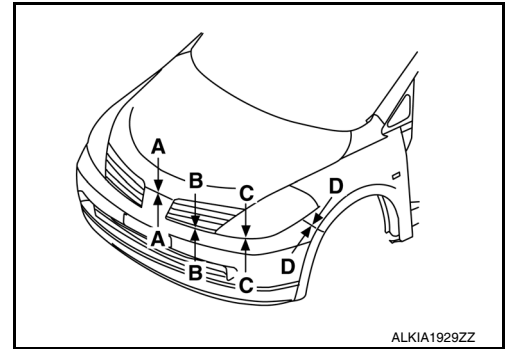
### INSTALLATION



# FRONT BUMPER

## < ON-VEHICLE REPAIR >

Installation is in the reverse order of removal.



mm (in)

Component	Portion	Minimum	Target Value	Maximum
Front bumper - Hood Clearance	A-A	4.0 (0.157)	6.0 (0.236)	8.5 (0.335)
Front bumper - Hood Surface	A-A	-1.9 (0.075)	0.65 (0.026)	2.65 (0.104)
Front bumper - Front grille	B-B	1.0 (0.039)	2.0 (0.079)	3.0 (0.118)
Front bumper - Head lamp	C-C	0.3 (0.012)	2.0 (0.079)	3.7 (0.146)
Front bumper - Front fender Clearance	D-D	0.0 (0.000)	0.0 (0.000)	1.0 (0.039)
Front bumper - Front fender Surface	D-D	-0.35 (0.014)	0.65 (0.026)	1.65 (0.065)

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# REAR BUMPER

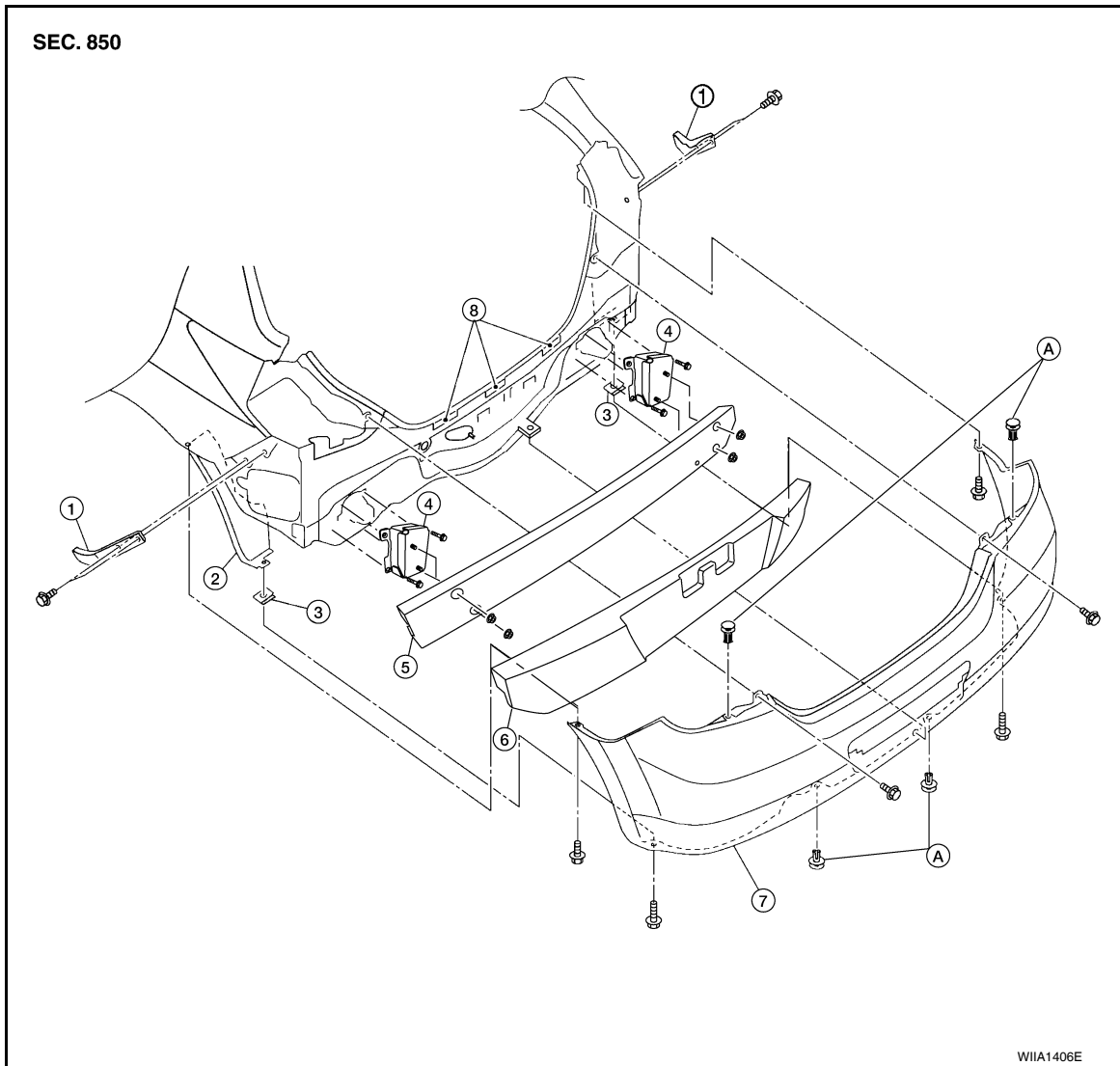
< ON-VEHICLE REPAIR >

## REAR BUMPER

Component

INFOID:000000005929555

Hatchback Models

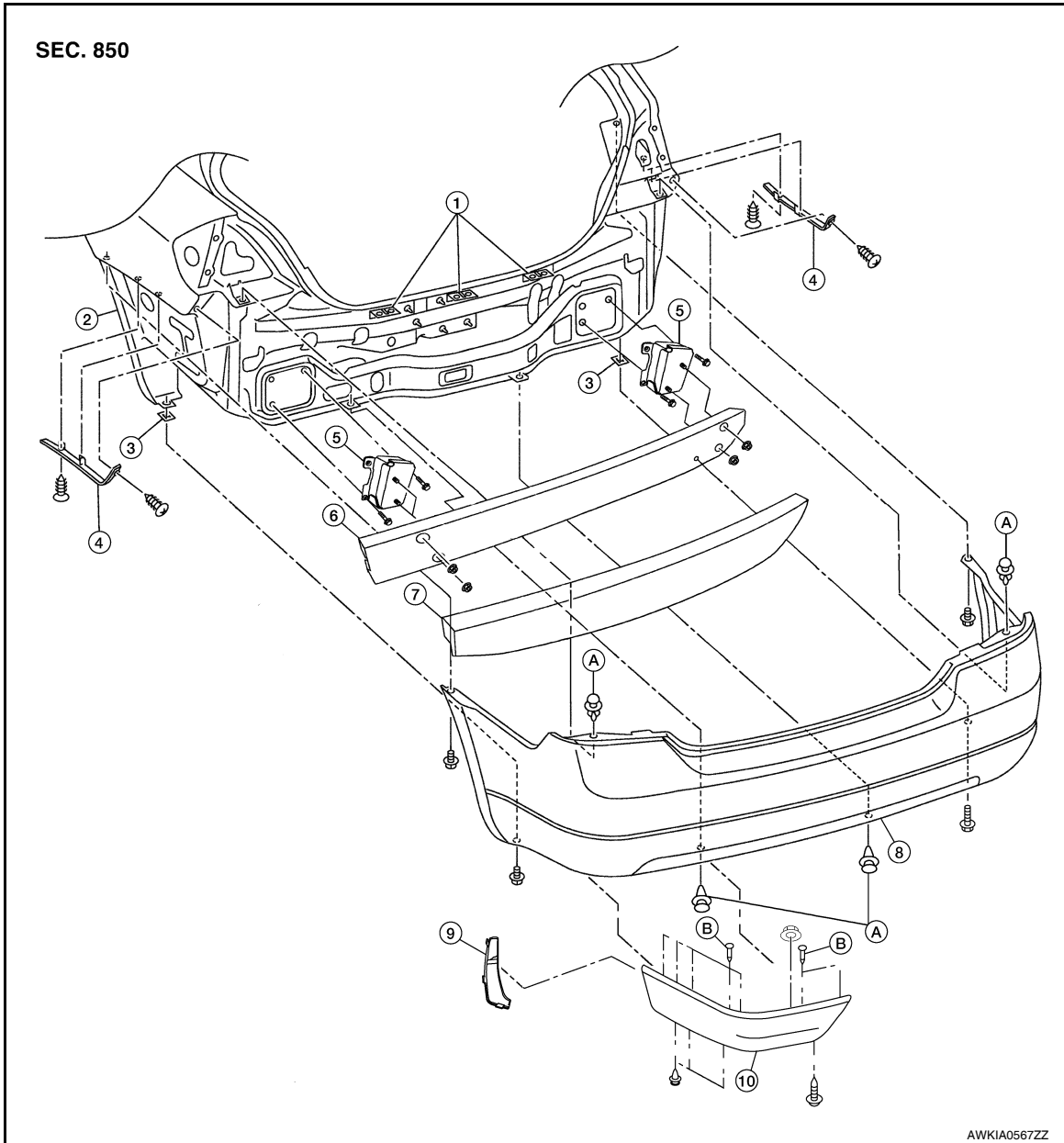


- |                                 |                               |                          |
|---------------------------------|-------------------------------|--------------------------|
| 1. Bumper side bracket          | 2. Rear fender protector      | 3. Spring nut            |
| 4. Bumper reinforcement bracket | 5. Rear bumper reinforcement  | 6. Energy absorbing foam |
| 7. Rear bumper fascia           | 8. Rear bumper upper retainer | A. Clip C205             |

# REAR BUMPER

< ON-VEHICLE REPAIR >

Sedan Models



- |   |                                 |                               |
|---|---------------------------------|-------------------------------|
| 1. Rear bumper upper retainer                 | 2. Rear fender protector        | 3. Spring nut                 |
| 4. Bumper side bracket                        | 5. Bumper reinforcement bracket | 6. Rear bumper reinforcement  |
| 7. Energy absorbing foam                      | 8. Rear bumper fascia           | 9. Finisher end (if equipped) |
| 10. Rear bumper corner finisher (if equipped) | A. Clip C205                    | B. Metal clip                 |

## Removal and Installation - Hatchback

INFOID:000000005929556

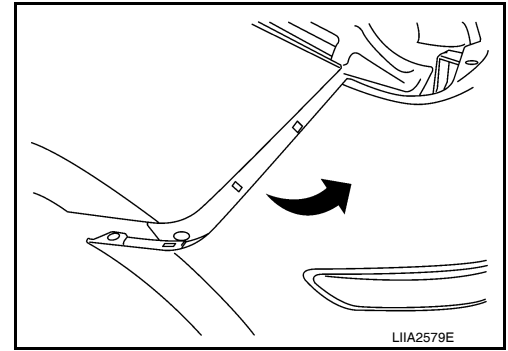
### REMOVAL

1. Open back door.
2. Disconnect the negative battery terminal.
3. Remove rear combination lamp RH/LH. Refer to [LT-88, "Removal and Installation"](#).
4. Remove rear bumper fascia spring nuts and screws RH/LH.
5. Remove rear fender protector. Refer to [EI-26, "Removal and Installation"](#).

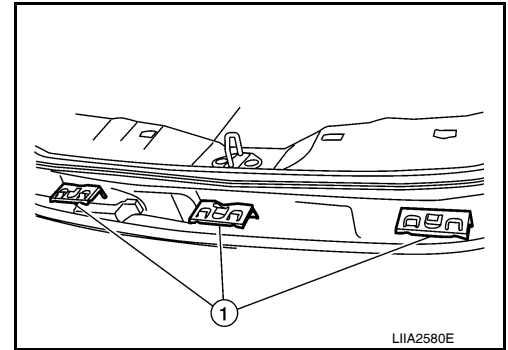
# REAR BUMPER

## < ON-VEHICLE REPAIR >

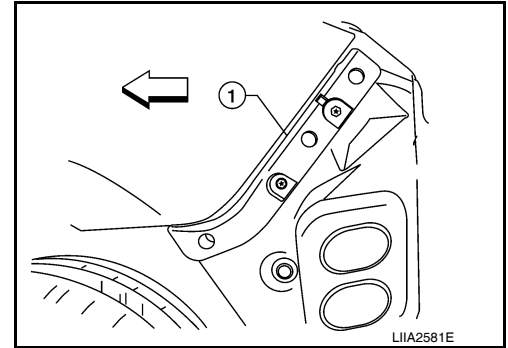
6. Pull the rear bumper fascia side outward and release the bumper side bracket.



7. Remove rear bumper fascia upper clips and screws.  
 8. Release rear bumper upper retainer (1), then pull rear bumper fascia outward away from rear of vehicle.

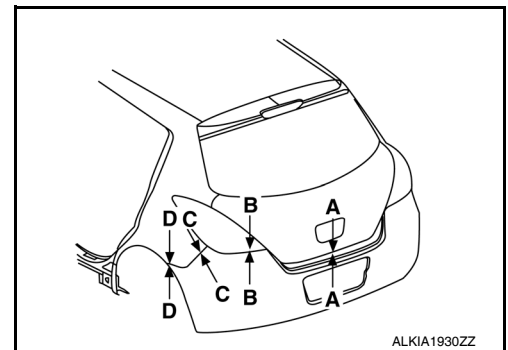


9. Disconnect license lamp connector.  
 10. Remove energy absorbing foam and rear bumper reinforcement.  
 11. Remove the bumper side bracket (1) RH/LH.  
 • ⇐: Vehicle front



## INSTALLATION

Installation is in the reverse order of removal.



mm (in)

Component	Portion	Minimum	Target Value	Maximum
Rear bumper - Back door clearance	A-A	4.0 (0.157)	6.0 (0.236)	8.0 (0.315)
Rear bumper - Rear combination lamp clearance	B-B	1.0 (0.039)	2.0 (0.079)	3.5 (0.138)

# REAR BUMPER

## < ON-VEHICLE REPAIR >

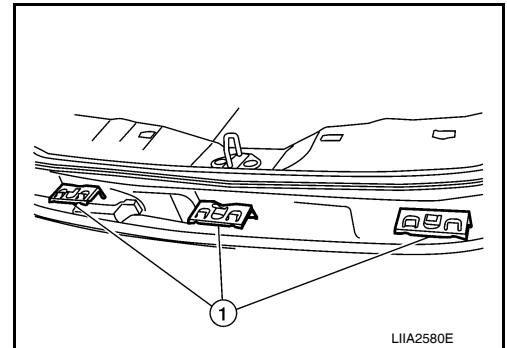
Component	Portion	Minimum	Target Value	Maximum
Rear bumper - Rear combination lamp surface	B-B	-1.7 (-0.067)	0.0 (0.000)	1.7 (0.067)
Rear bumper - Rear fender clearance	C-C D-D	0.0 (0.000)	0.0 (0.000)	1.0 (0.039)
Rear bumper - Rear fender surface	C-C	-1.7 (-0.067)	-0.7 (-0.028)	0.3 (0.012)
Rear bumper - Rear fender surface	D-D	-0.3 (-0.012)	0.7 (0.028)	1.7 (0.067)

## Removal and Installation - Sedan

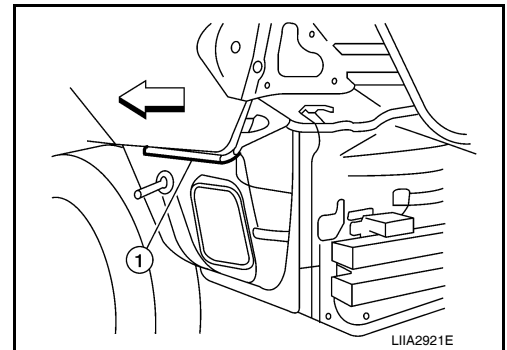
INFOID:000000005929557

### REMOVAL

1. Open trunk lid.
2. Remove rear combination lamp RH/LH. Refer to [LT-88, "Removal and Installation"](#).
3. Remove rear bumper fascia spring nuts and screws RH/LH.
4. Remove rear fender protector. Refer to [EI-26, "Removal and Installation"](#).
5. Pull the rear bumper fascia side outward and release the bumper side bracket.
6. Remove rear bumper fascia upper clips and screws.
7. Release rear bumper upper retainer (1), then pull rear bumper fascia outward away from rear of vehicle.
8. Release the clips and remove the rear bumper corner finisher and finisher end (if equipped).

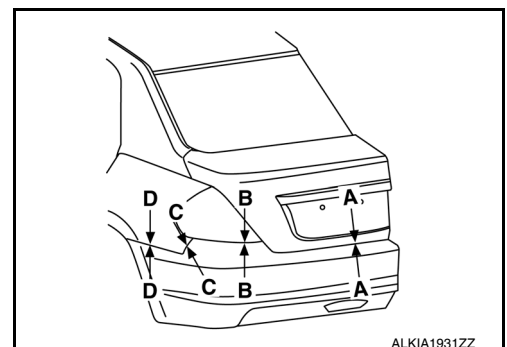


9. Remove energy absorbing foam and rear bumper reinforcement.
10. Remove the bumper side bracket (1) RH/LH.
  - ⇐: Vehicle front



### INSTALLATION

Installation is in the reverse order of removal.



## REAR BUMPER

< ON-VEHICLE REPAIR >

mm (in)

Component	Portion	Minimum	Target Value	Maximum
Rear bumper - Trunk lid clearance	A-A	4.8 (0.189)	7.0 (0.276)	9.2 (0.362)
Rear bumper - Rear combination lamp clearance	B-B	1.0 (0.039)	2.0 (0.079)	3.5 (0.138)
Rear bumper - Rear combination lamp surface	B-B	-1.2 (-0.047)	0.0 (0.000)	1.2 (0.047)
Rear bumper - Rear fender clearance	C-C D-D	0.0 (0.000)	0.0 (0.000)	1.0 (0.039)
Rear bumper - Rear fender surface	C-C D-D	-1.7 (-0.067)	-0.7 (0.028)	0.3 (0.012)

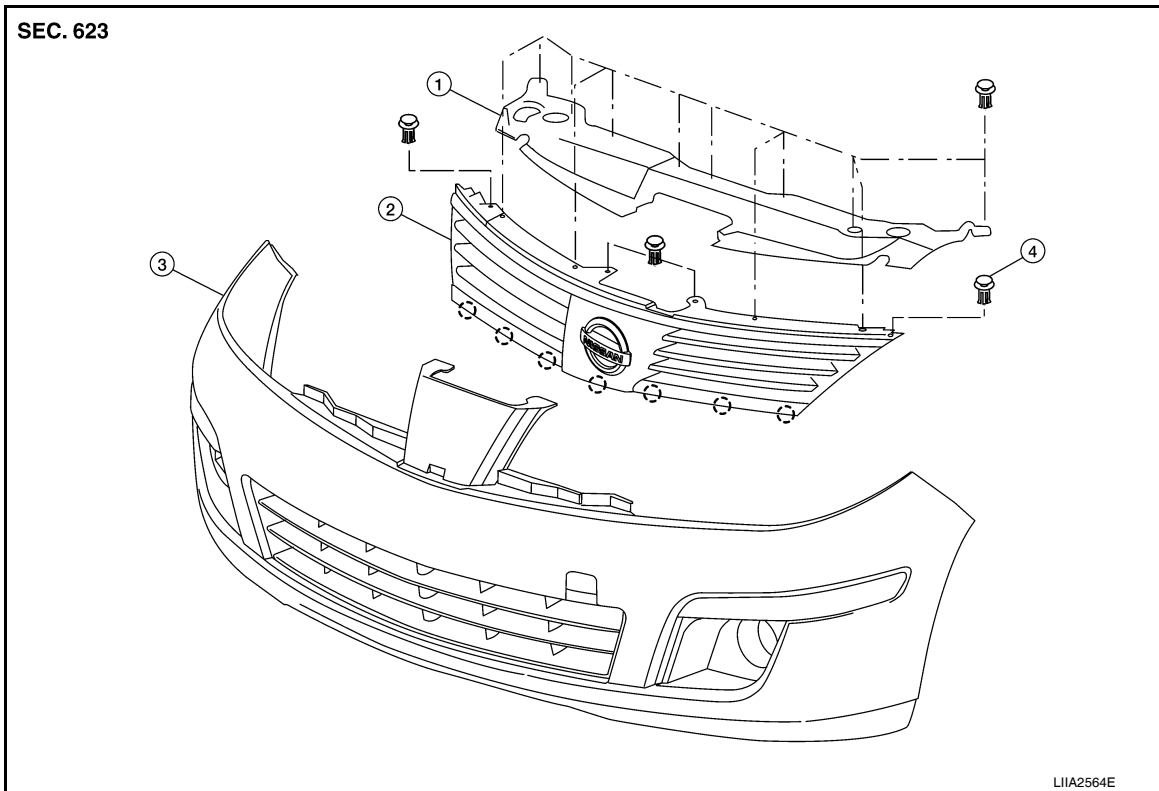
# FRONT GRILLE

< ON-VEHICLE REPAIR >

## FRONT GRILLE

### Removal and Installation

INFOID:000000005929558



1. Upper radiator cover

2. Front grille

3. Front bumper fascia

4. Clip C205

○ Pawl

### REMOVAL

1. Open hood assembly.
2. Remove the clips, then remove upper radiator cover.
3. Remove the upper clips and release the lower pawls, then pull outward to remove the front grille.

### INSTALLATION

Installation is in the reverse order of removal.

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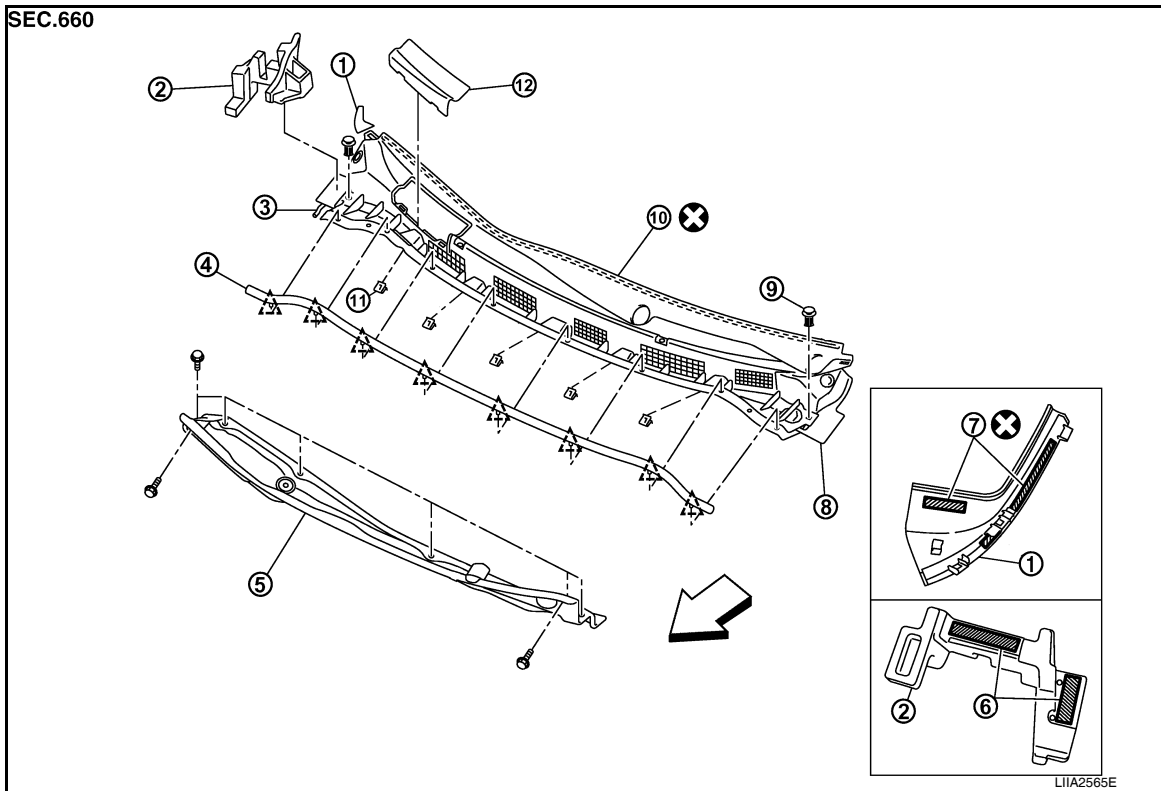
# COWL TOP

< ON-VEHICLE REPAIR >

## COWL TOP

### Removal and Installation

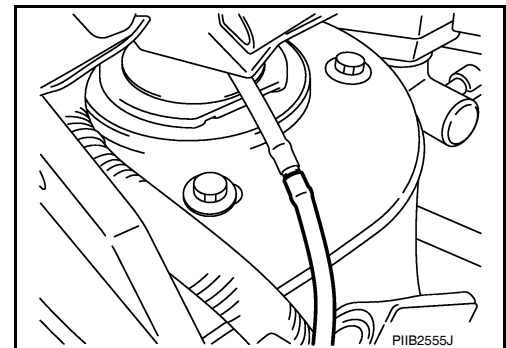
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- |                               |                         |                       |
|-------------------------------|-------------------------|-----------------------|
| 1. Fender cover               | 2. Fender seal          | 3. Washer tube        |
| 4. Cowl top seal              | 5. Cowl extension panel | 6. Dual lock fastener |
| 7. Double-faced adhesive tape | 8. Cowl top cover       | 9. Clip C205          |
| 10. EPT sealer                | 11. Cowl extension clip | 12. Cover             |
- △ Clip CE103      ← Vehicle front

### REMOVAL

1. Remove front wiper arm RH/LH from vehicle. Refer to [WW-20. "Removal and Installation of Front Wiper Arms"](#).
2. Disconnect washer tube.



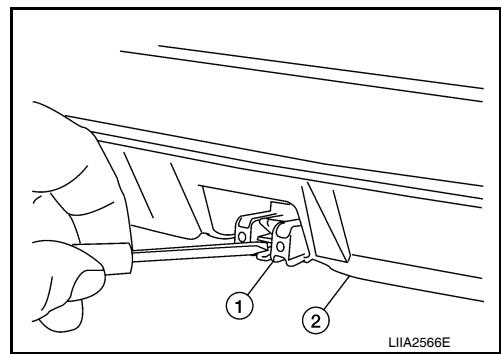
3. Remove fender seal and fender cover RH/LH.
4. Release the cowl top seal clips, then remove cowl top seal.



## COWL TOP

### < ON-VEHICLE REPAIR >

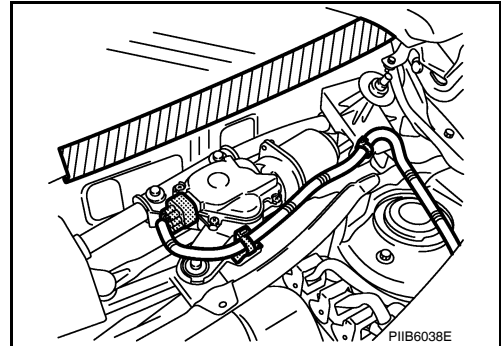
5. Release the cowl extension clip (1) by prying the center pawls apart and pulling clip outward. Remove remaining clips, then remove cowl top cover (2).



6. Disconnect and remove the front wiper motor and linkage assembly. Refer to [WW-22, "Removal and Installation of Front Wiper Drive Assembly"](#).

**CAUTION:**

To avoid damage, make sure to cover the lower edge of windshield with suitable protection material.



7. Remove cowl extension panel bolts, then remove cowl extension panel.

### INSTALLATION

Installation is in the reverse order of removal.

**NOTE:**

- For wiper arm RH/LH installation and adjustment, Refer to [WW-20, "Removal and Installation of Front Wiper Arms"](#).
- Always replace EPT sealer and double-faced adhesive tape when installing cowl top cover.

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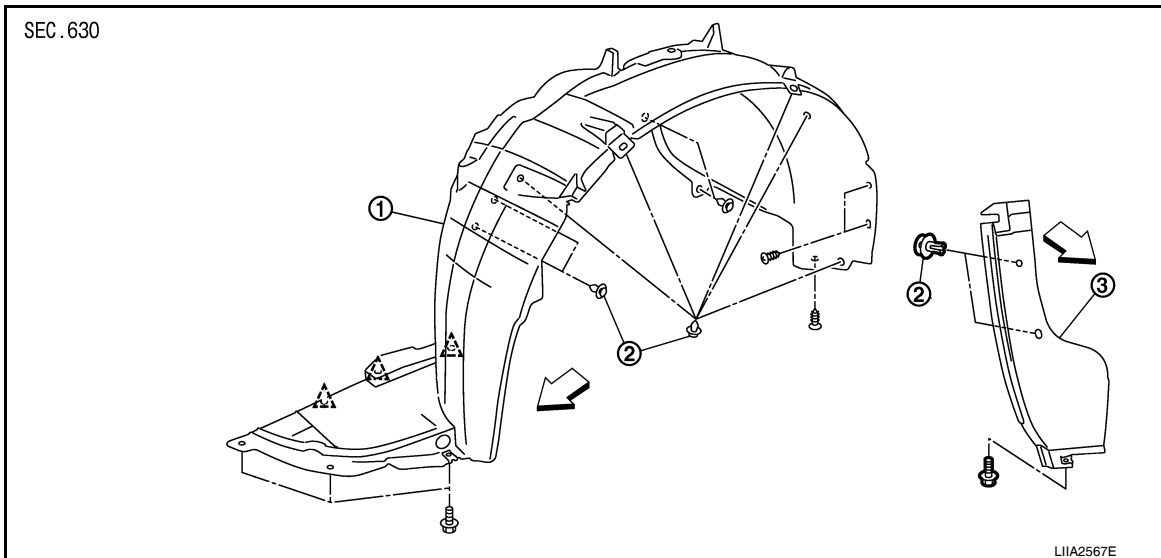
# FENDER PROTECTOR

< ON-VEHICLE REPAIR >

## FENDER PROTECTOR

### Component

INFOID:000000005929560



1. Front fender protector

△ Clip C103

2. Clip C205

⇨ Vehicle front

3. Rear fender protector

### Removal and Installation

INFOID:000000005929561

#### FRONT FENDER PROTECTOR

##### Removal

1. Remove front fender protector bolts and clips.
2. Remove front fender protector.

##### Installation

Installation is in the reverse order of removal.

#### REAR FENDER PROTECTOR

##### Removal

1. Remove rear fender protector bolt and clip.
2. Remove rear fender protector.

##### Installation

Installation is in the reverse order of removal.

# ROOF SIDE MOLDING

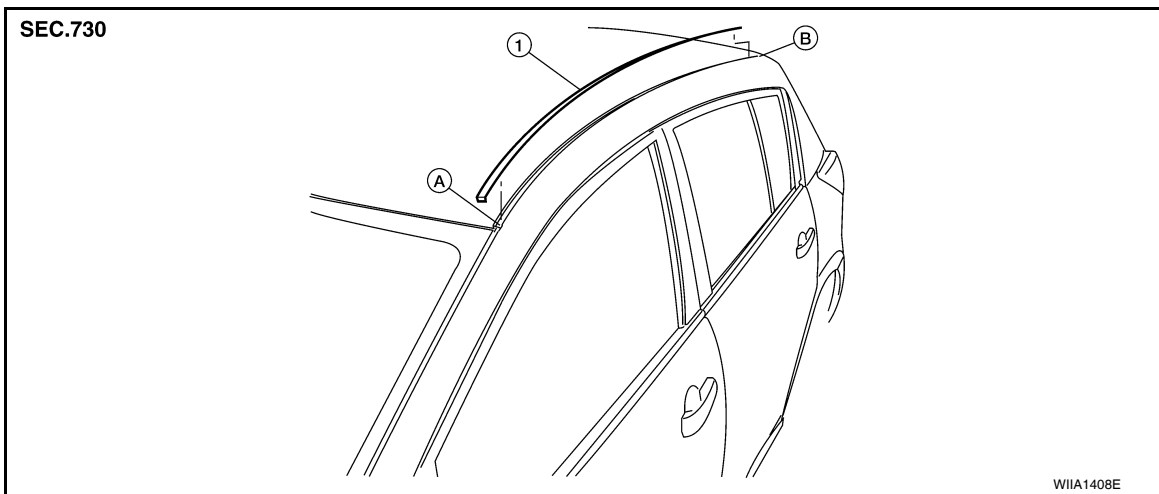
< ON-VEHICLE REPAIR >

## ROOF SIDE MOLDING

Component

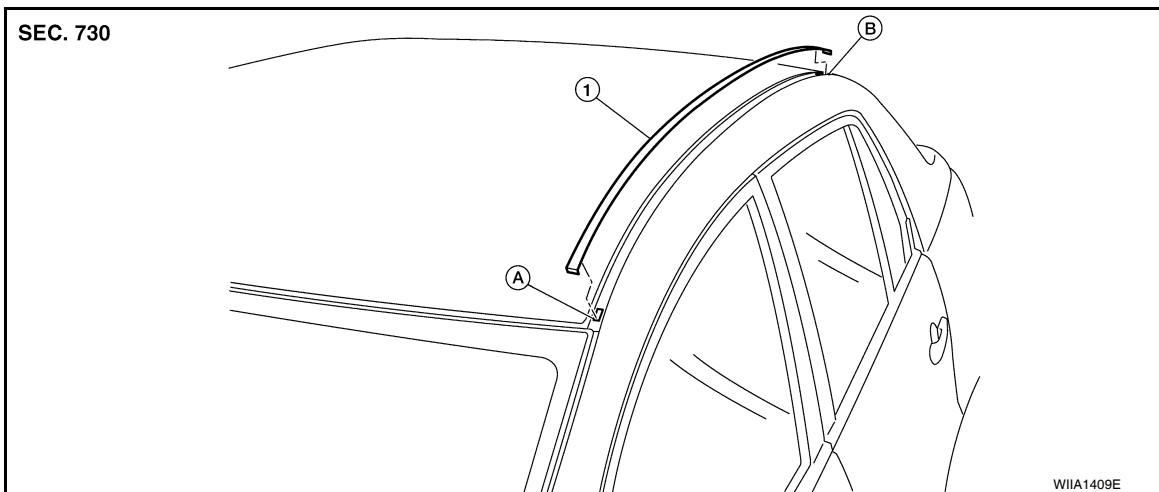
INFOID:000000005929562

### Hatchback Models



1. Roof side molding      A. Front roof side molding clip      B. Rear roof side molding clip

### Sedan Models



1. Roof side molding      A. Front roof side molding clip      B. Rear roof side molding clip

## Removal and Installation

INFOID:000000005929563

### REMOVAL

1. Using a suitable tool, release the rear roof side molding clip and remove.
2. Lift up rear edge of roof side molding working forward.
3. Release front roof side molding clip, then remove roof side molding.

### INSTALLATION

Installation is in the reverse order of removal.

**NOTE:**

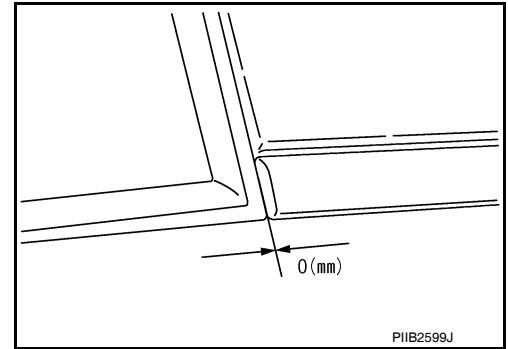
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## ROOF SIDE MOLDING

### < ON-VEHICLE REPAIR >

Make sure front edge of roof side molding contacts windshield molding with no gap.

- For setting a new clip A or B, use Epoxy Adhesive DP-100C made by 3M. For adhesive DP-100C application use an applicator 9170 EPX W 1:1 and mixer nozzle 9742 EPX 50ML made by 3M.



# DOOR OUTSIDE MOLDING

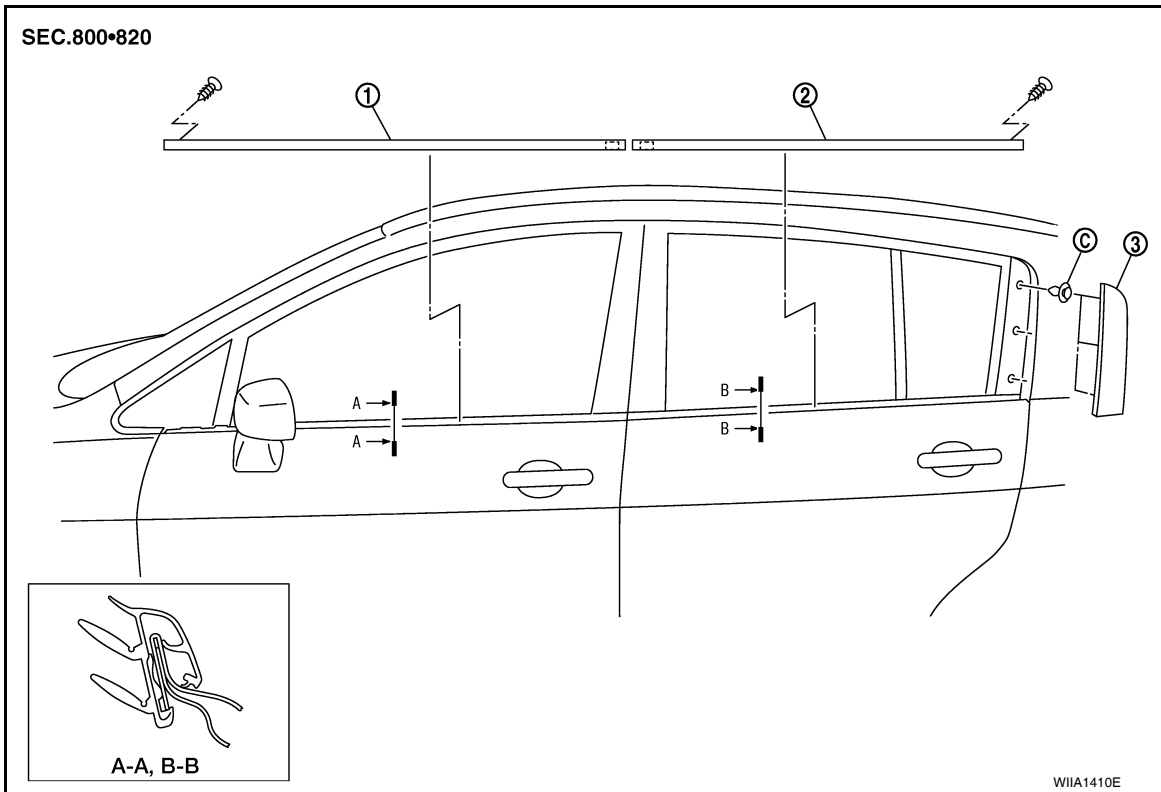
< ON-VEHICLE REPAIR >

## DOOR OUTSIDE MOLDING

Component

INFOID:000000005929564

Hatchback Models



1. Front door outside molding

2. Rear door outside molding

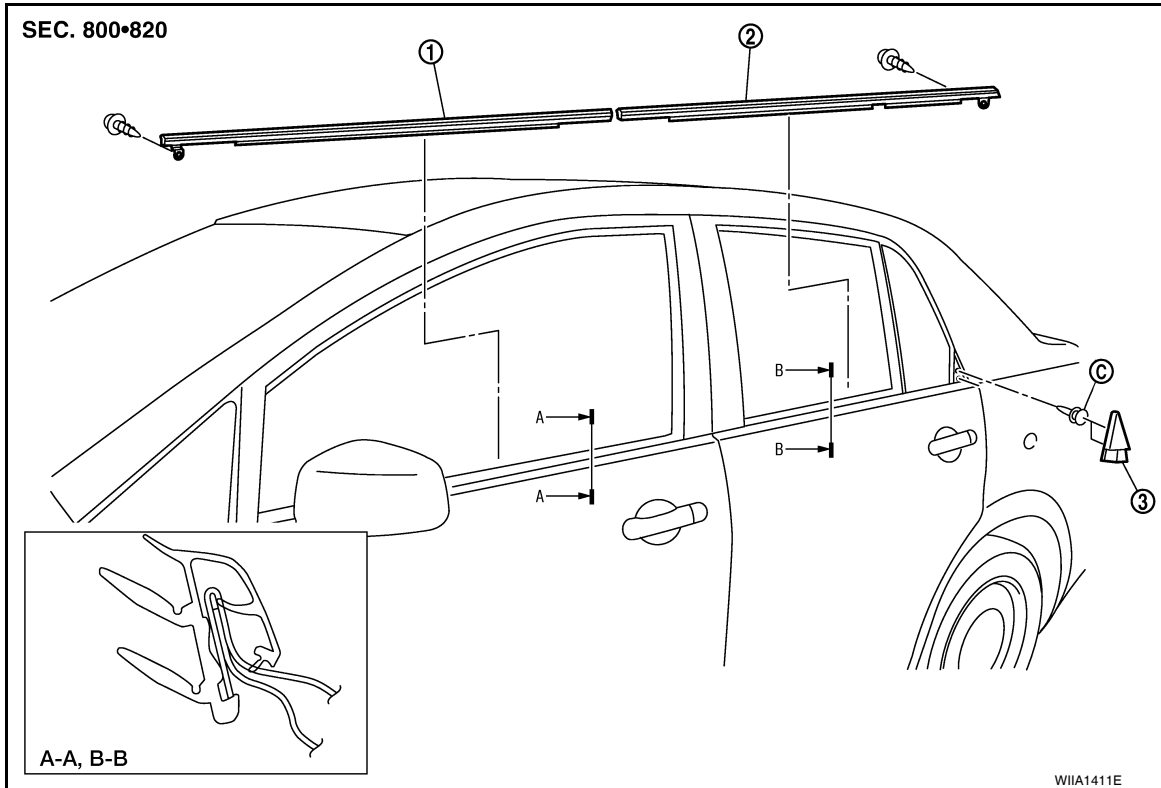
3. Rear door corner cover

C. Clip C101

# DOOR OUTSIDE MOLDING

< ON-VEHICLE REPAIR >

Sedan Models



1. Front door outside molding
  2. Rear door outside molding
  3. Rear door corner cover
- C. Clip C101

## Removal and Installation

INFOID:000000005929565

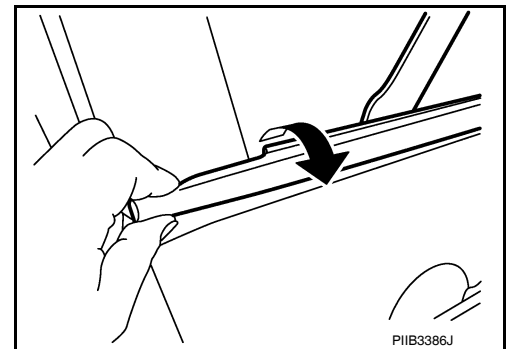
### FRONT DOOR OUTSIDE MOLDING

#### **CAUTION:**

- Use care while removing to avoid permanent damage to part from excessive force during removal.
- After removal, visually inspect molding; replace if deformed or damaged.

#### Removal

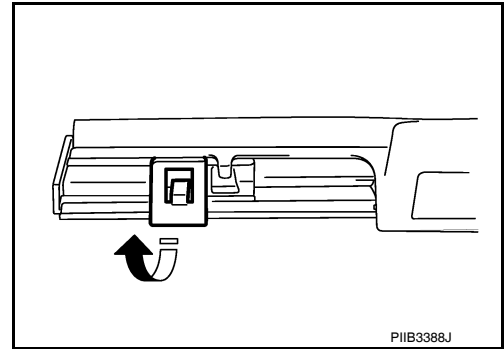
1. Open front door window.
2. Remove front door outside molding screw.
3. While pulling up on front of front door outside molding, insert a suitable tool beneath the molding and release it from the door top edge.



## DOOR OUTSIDE MOLDING

### < ON-VEHICLE REPAIR >

4. Twist the lower edge of the molding away from the door at the rear to gain access to the locking tab.
5. Insert a suitable tool behind the molding pressing the center of the tab inward to release.
6. Remove front door outside molding while pulling up after disengaging.



#### Installation

Installation is in the reverse order of removal.

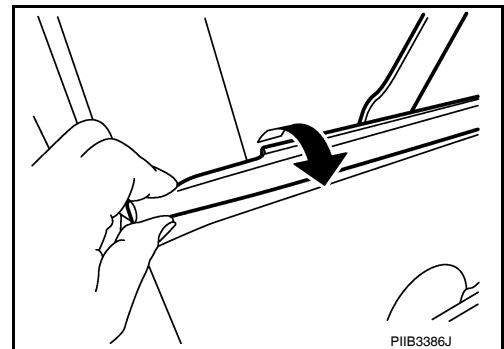
### REAR DOOR OUTSIDE MOLDING

#### CAUTION:

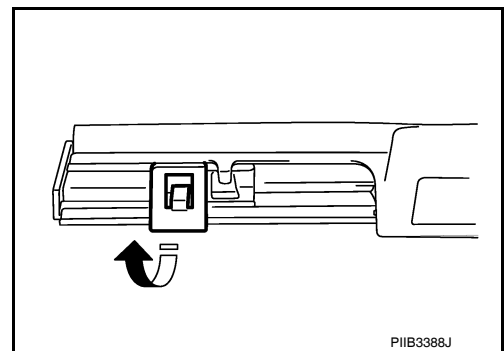
- Use care while removing to avoid permanent damage to part from excessive force during removal.
- After removal, visually inspect molding; replace if deformed or damaged.

#### Removal

1. Open rear door window.
2. Remove rear door outside molding screw.
3. While pulling up on rear of rear door outside molding, insert a suitable tool beneath the molding and release it from the door top edge.



4. Twist the lower edge of the molding away from the door at the front to gain access to the locking tab.
5. Insert a suitable tool behind the molding pressing the center of the tab inward to release.
6. Remove rear door outside molding while pulling up after disengaging.



#### Installation

Installation is in the reverse order of removal.

### REAR DOOR CORNER COVER

#### Removal

Using a suitable tool, release the clips while pulling outward and remove the rear door corner cover.

#### Installation

Installation is in the reverse order of removal.

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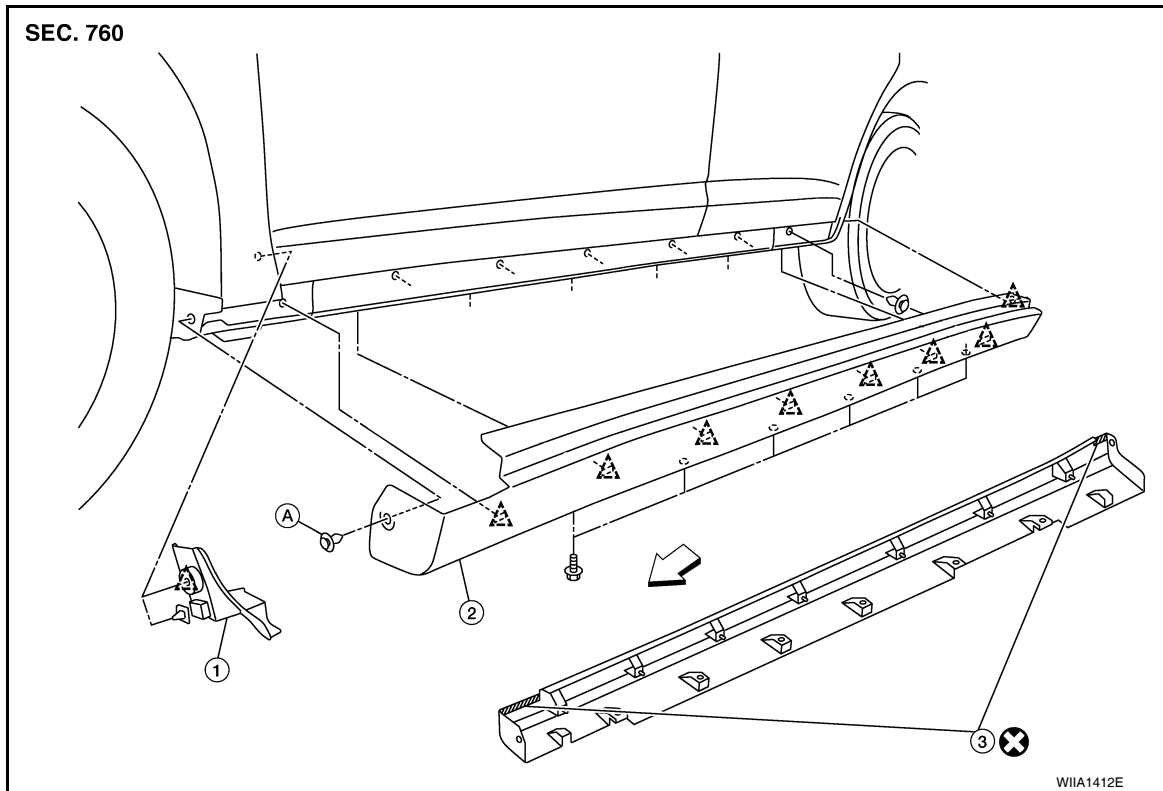
# CENTER MUD GUARD

< ON-VEHICLE REPAIR >

## CENTER MUD GUARD

### Removal and Installation

INFOID:000000005929566



1. Sill cover cap

2. Center mud guard

3. Double-faced adhesive tape

A. Clip C205

△ Clip C101

← Vehicle front

### REMOVAL

1. Remove center mud guard screws, front and rear.
2. Remove center mud guard bolts at bottom edge and release double-faced adhesive tape from body side.
3. Open front and rear doors, then using a suitable tool, remove the clips and remove the center mud guard from the body side.
4. Release the sill cover cap clips, then remove sill cover cap.

### INSTALLATION

Installation is in the reverse order of removal.

#### NOTE:

- Always replace double-faced adhesive tape on back of center mud guard when installing.
- Do not wash vehicle within 24 hours after installation.



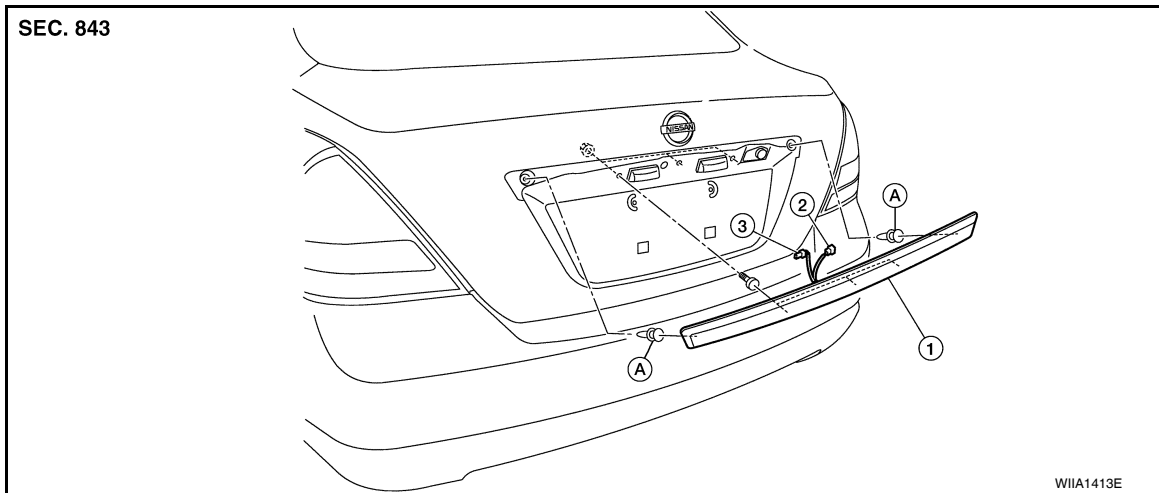
# TRUNK LID FINISHER

< ON-VEHICLE REPAIR >

## TRUNK LID FINISHER

### Removal and Installation

INFOID:000000005929567



- 1. Trunk lid finisher outer
- 2. Trunk lid opener switch connector
- 3. Trunk opener request switch connector
- A. Clip C101

### REMOVAL

1. Open trunk lid, remove trunk lid finisher inner. Refer to [EI-59](#).
2. Remove trunk lid finisher outer nuts.
3. Release the clips, then pull trunk lid finisher outer away from trunk lid.
4. Disconnect trunk lid opener switch connector and trunk opener request switch connector, then remove trunk lid finisher outer.

### INSTALLATION

Installation is in the reverse order of removal.

# REAR AIR SPOILER

< ON-VEHICLE REPAIR >

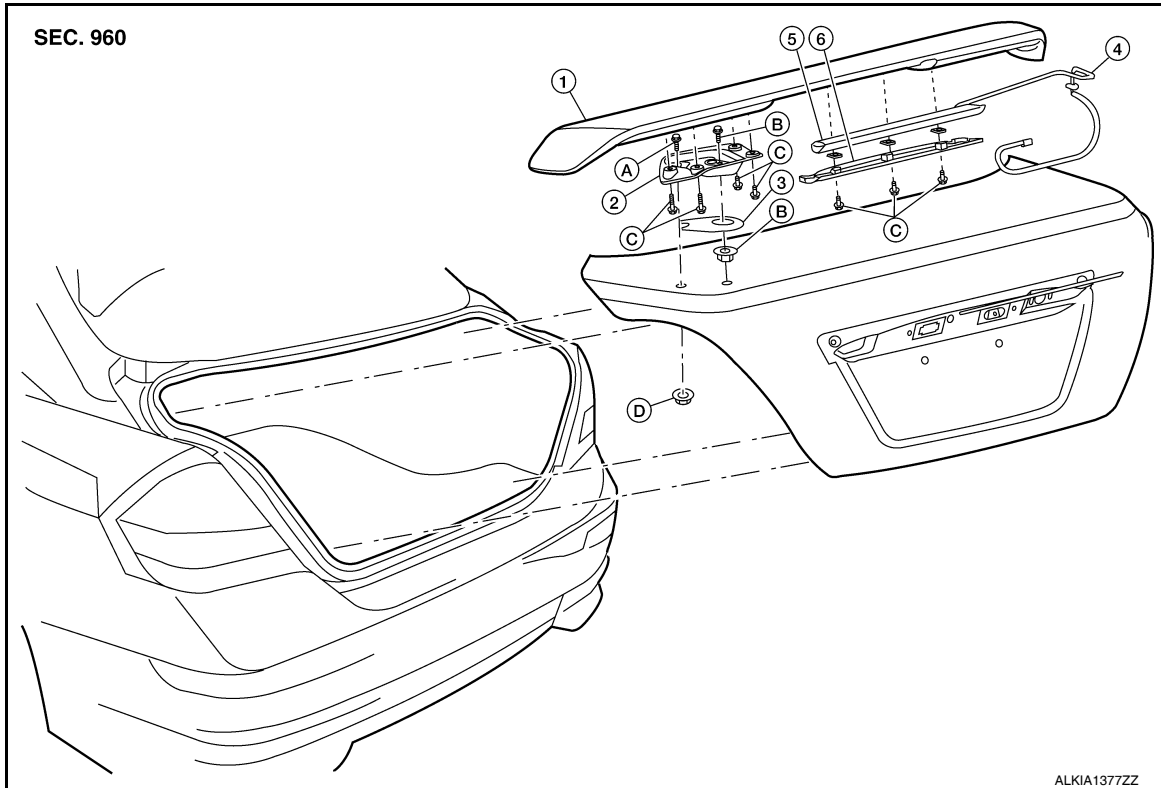
## REAR AIR SPOILER

### Removal and Installation

INFOID:000000005929568

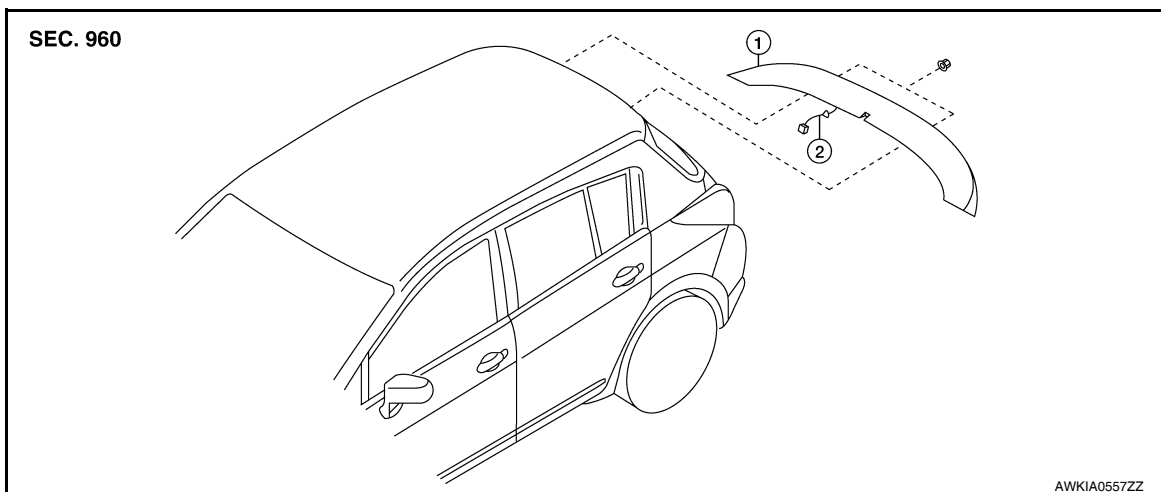
#### Exploded View

##### Sedan Models



- |                                   |                               |                              |
|-----------------------------------|-------------------------------|------------------------------|
| 1. Rear air spoiler assembly      | 2. Stanchion                  | 3. Adhesive backed foam tape |
| 4. High mounted stop lamp harness | 5. High mounted stop lamp LED | 6. Bracket                   |
| A. Stud                           | B. Clip CF118                 | C. Screw                     |
| D. Nut                            |                               |                              |

##### Hatchback Models



- |                              |                                   |
|------------------------------|-----------------------------------|
| 1. Rear air spoiler assembly | 2. High mounted stop lamp harness |
|------------------------------|-----------------------------------|

#### Removal - Sedan

1. Remove the rear spoiler nuts.

## REAR AIR SPOILER

### < ON-VEHICLE REPAIR >

---

2. Remove inside trunk lid finisher. Refer to [EI-59, "Removal and Installation"](#).
3. Disconnect high mounted stop lamp connector.
4. Release adhesive backed foam tape and clips, then carefully lift the rear air spoiler from trunk lid.

**CAUTION:**

**Use care not to damage painted surfaces during removal, or releasing of adhesive backed foam tapes if equipped.**

5. Release the high mounted stop lamp harness grommet from trunk lid, then remove rear air spoiler.

#### Installation - Sedan

Installation is in the reverse order of removal.

**NOTE:**

- Before installing rear air spoiler, clean the surface where it will be mounted with isopropyl alcohol or equivalent to degrease the surface.
- Before installing, be sure there are no gaps or waves in the foam tape (if equipped) where the surfaces meet.
- During installation, be sure grommet of high mounted stop lamp harness is fully seated into trunk lid opening prior to final rear air spoiler placement.

#### Removal - Hatchback

1. Remove back door finisher upper. Refer to [EI-40](#).
2. Disconnect high mounted stop lamp connector.
3. Remove the nuts and carefully lift the rear air spoiler from the back door.

**CAUTION:**

**Use care not to damage painted surfaces during removal, or releasing of adhesive backed foam tapes if equipped.**

4. Release the high mounted stop lamp harness grommet from back door, then remove rear air spoiler.

#### Installation - Hatchback

Installation is in the reverse order of removal.

**NOTE:**

- Before installing rear air spoiler, clean the surface where it will be mounted with isopropyl alcohol or equivalent to degrease the surface.
- Before installing, be sure there are no gaps or waves in the foam tape (if equipped) where the surfaces meet.
- During installation, be sure grommet of high mounted stop lamp harness is fully seated into back door opening prior to final rear air spoiler placement.

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# DOOR FINISHER

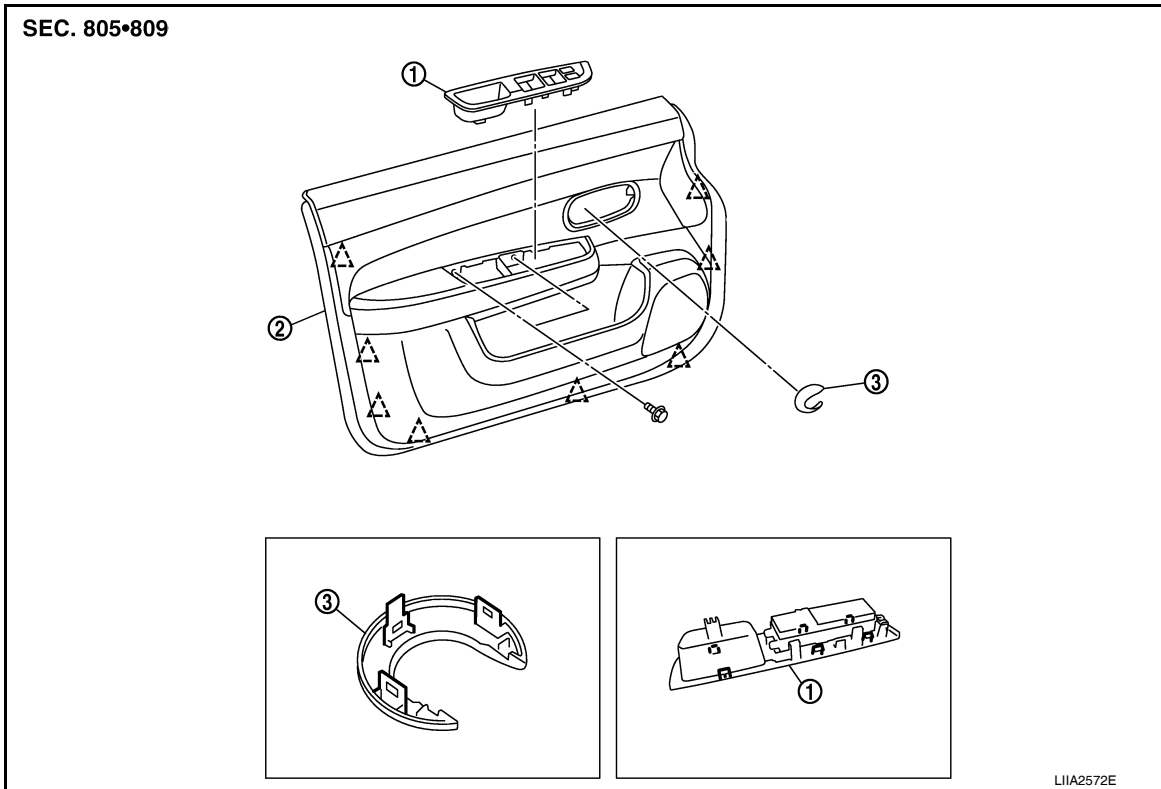
< ON-VEHICLE REPAIR >

## DOOR FINISHER

### Removal and Installation

INFOID:000000005929569

#### FRONT DOOR



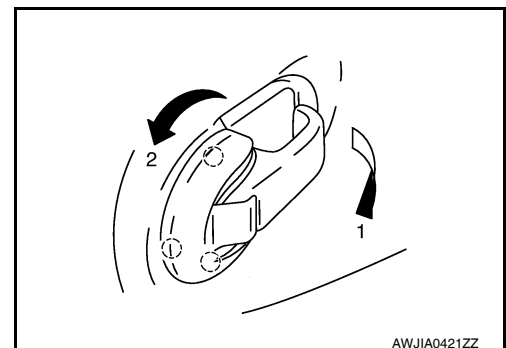
1. Power window and door lock/unlock switch finisher    2. Front door finisher    3. Inside handle escutcheon

△ Clip C101

#### Removal

1. Open front door and front door window.
2. Release the front door inside handle escutcheon pawls, then slide the escutcheon rearward to remove from front door finisher.

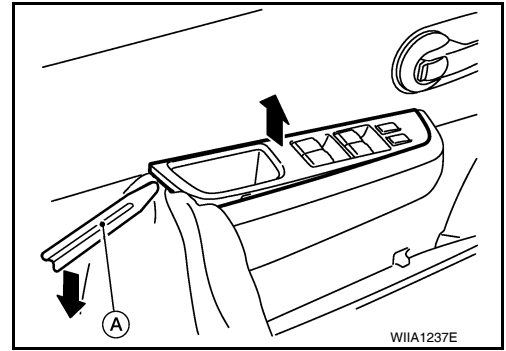
○: Pawl



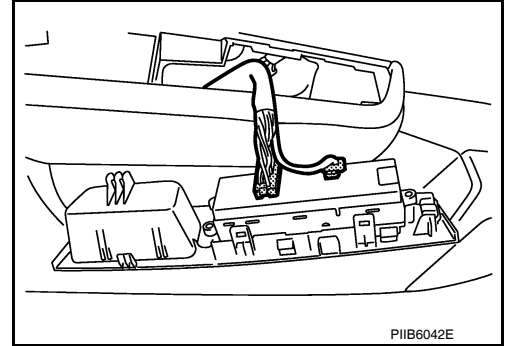
# DOOR FINISHER

## < ON-VEHICLE REPAIR >

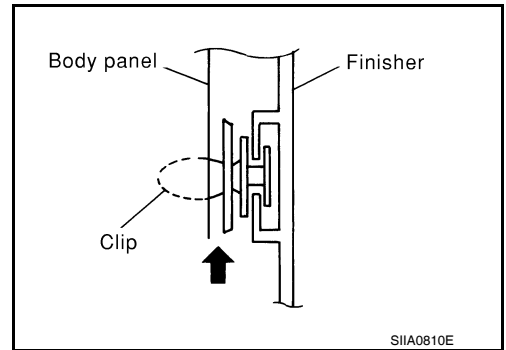
3. Insert a trim stick (A) or suitable tool into back edge of front door power window and door lock/unlock switch finisher. Lift upward to release the clips and remove.



4. Disconnect front door power window and door lock/unlock switch harness connector.



5. Remove the two front door finisher screws.
6. Release the clips, then lift front door finisher upward to remove it from door body panel.



### Installation

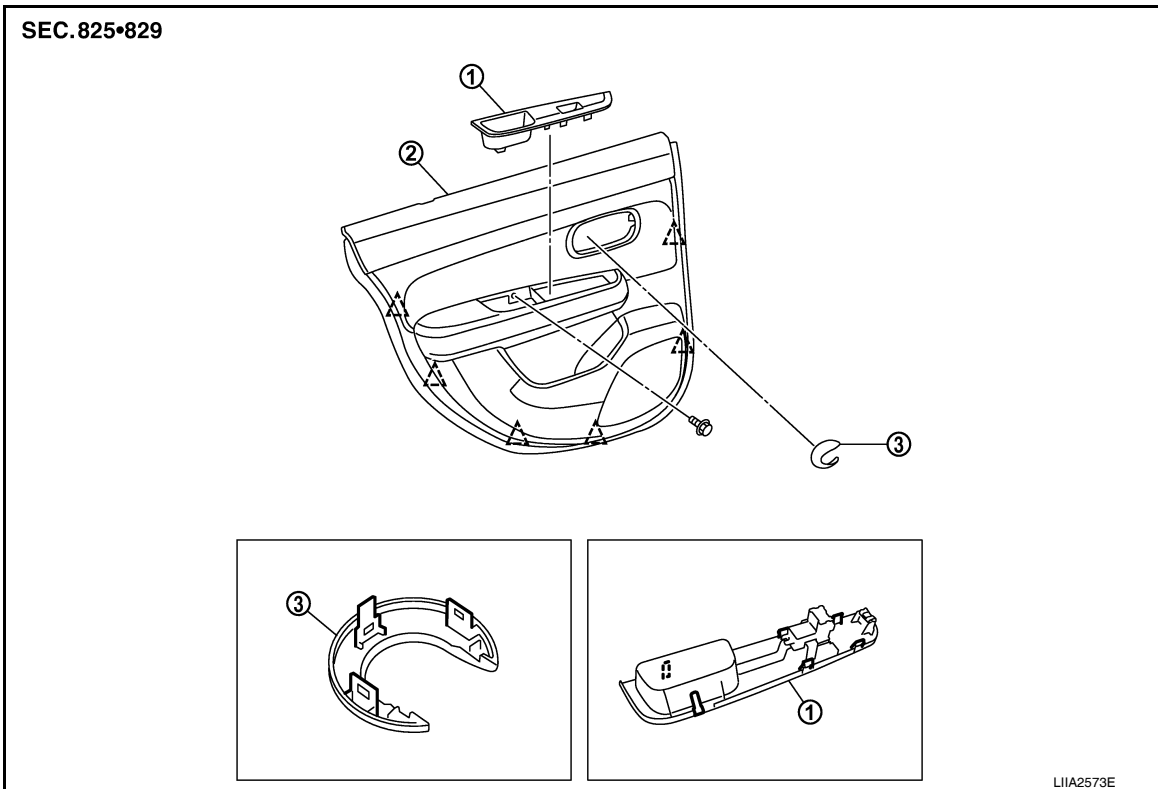
Installation is in the reverse order of removal.

### REAR DOOR

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# DOOR FINISHER

< ON-VEHICLE REPAIR >



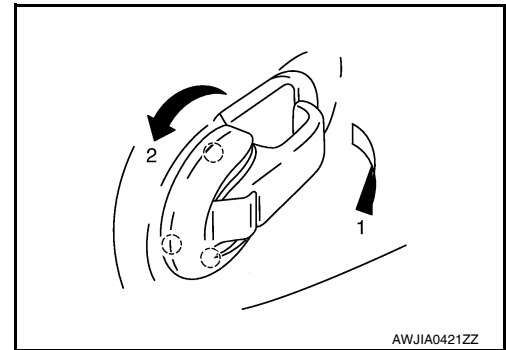
1. Rear power window switch finisher    2. Rear door finisher    3. Inside handle escutcheon

△ Clip C101

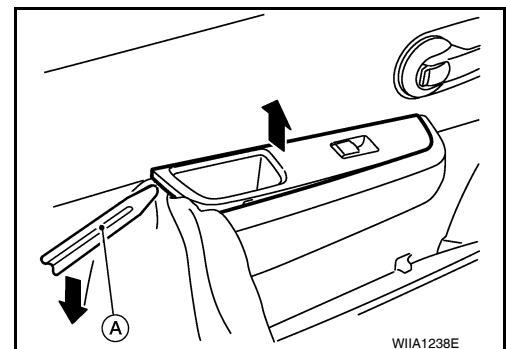
## Removal

1. Open rear door and rear door window.
2. Release the rear door inside handle escutcheon pawls, then slide the escutcheon rearward to remove from rear door finisher.

○: Pawl



3. Insert a trim stick (A), or suitable tool into back edge of rear door power window switch finisher. Lift upward to release the clips and remove.

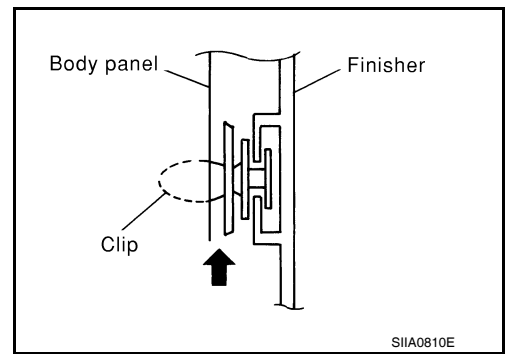


4. Disconnect rear door power window switch harness connector.
5. Remove rear door finisher screw.

# DOOR FINISHER

## < ON-VEHICLE REPAIR >

6. Release the clips, then lift rear door finisher upward to remove it from door body panel.



### Installation

Installation is in the reverse order of removal.

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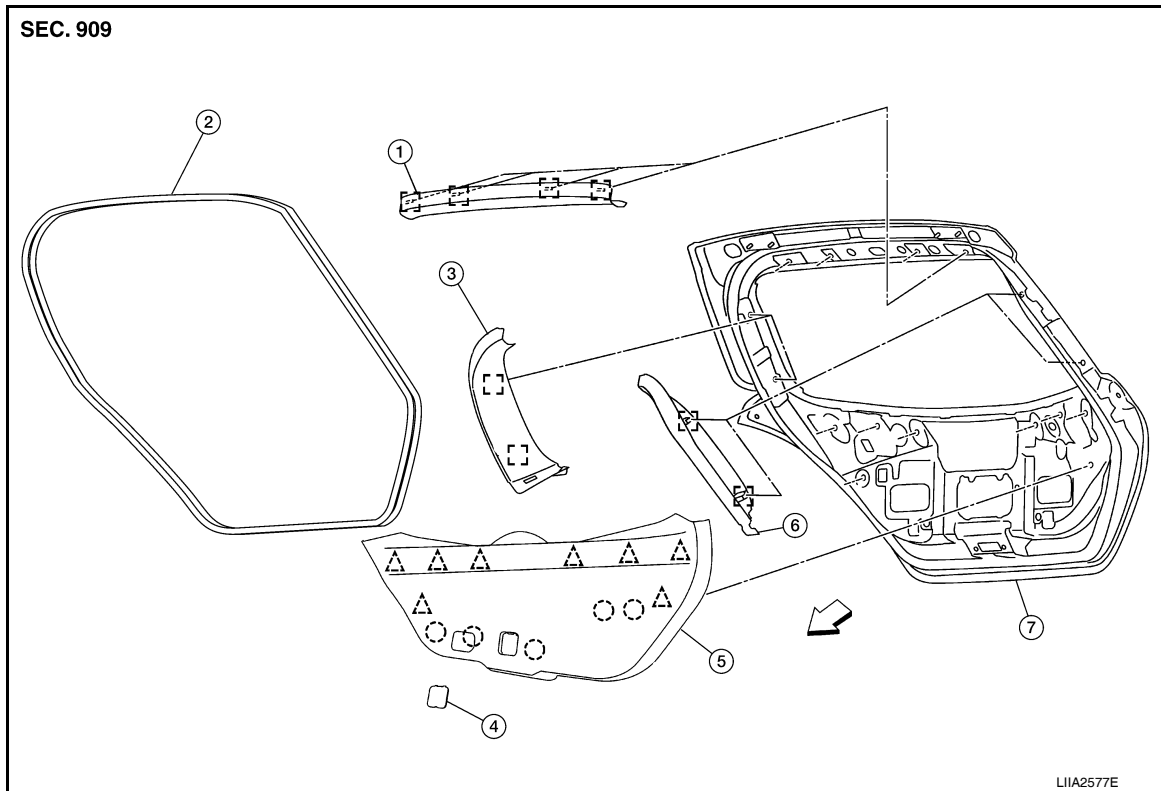
# BACK DOOR TRIM

< ON-VEHICLE REPAIR >

## BACK DOOR TRIM

### Removal and Installation

INFOID:000000005929570



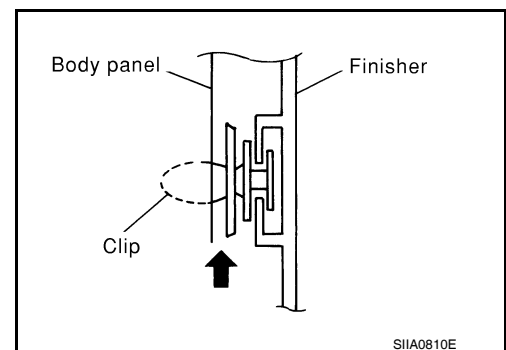
- |                             |                             |                                |
|-----------------------------|-----------------------------|--------------------------------|
| 1. Back door finisher upper | 2. Back door weatherstrip   | 3. Back door side garnish (RH) |
| 4. Cover                    | 5. Back door finisher lower | 6. Back door side garnish (LH) |
| 7. Back door                | ○ Pawl                      | □ Metal clip                   |
| △ Clip C101                 | ⇐ Vehicle front             |                                |

### REMOVAL

#### CAUTION:

- Insert a suitable tool between panel on vehicle and clips (as indicated with arrow) to release clips.
- Use a suitable tool when removing metal clips from garnishes.
- Be careful not to damage the body while prying to release clips.
- Make sure clips are properly aligned in panel holes on body when installing, then press them in completely.

1. Open back door.
2. Release the clips, then lift upward to release the pawls and remove the back door finisher lower.
3. Release the clips, then remove back door side garnish RH/LH.
4. Release the clips, then remove back door finisher upper from the back door.



### INSTALLATION

Installation is in the reverse order of removal.



# BODY SIDE TRIM

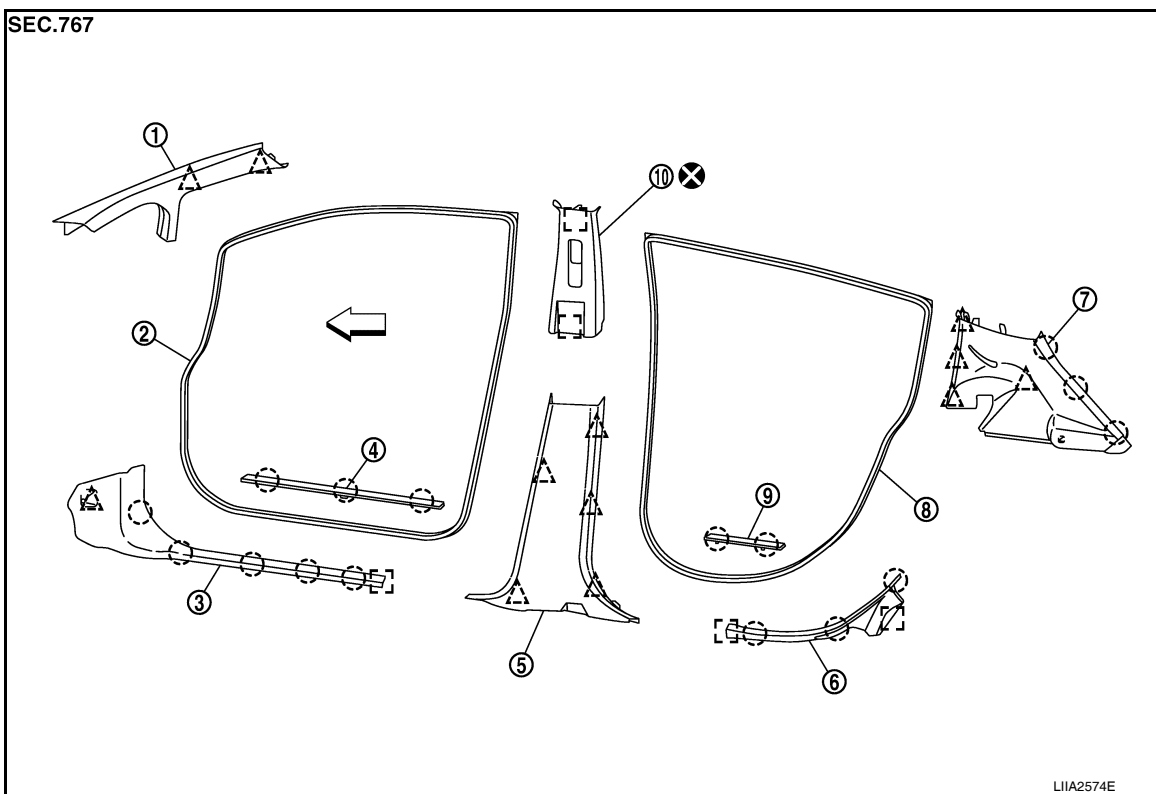
< ON-VEHICLE REPAIR >

## BODY SIDE TRIM

Component

INFOID:000000005929571

Hatchback Models



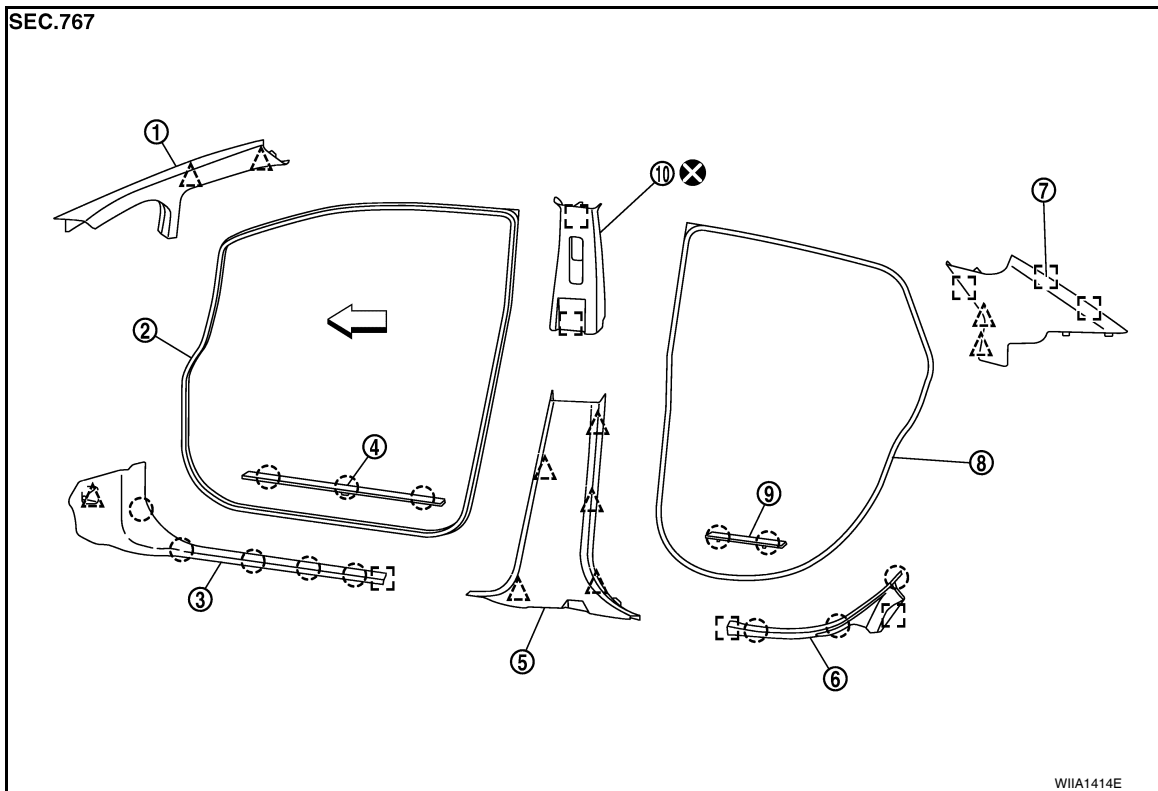
- |                                 |                                |                              |
|---------------------------------|--------------------------------|------------------------------|
| 1. Front pillar garnish         | 2. Front body side welt        | 3. Front kicking plate inner |
| 4. Front kicking plate outer    | 5. Center pillar lower garnish | 6. Rear kicking plate inner  |
| 7. Rear pillar finisher         | 8. Rear body side welt         | 9. Rear kicking plate outer  |
| 10. Center pillar upper garnish | ○ Pawl                         | □ Metal clip                 |
| △ Clip                          | ← Vehicle front                |                              |

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# BODY SIDE TRIM

< ON-VEHICLE REPAIR >

Sedan Models



- |                                 |                                |                              |
|---------------------------------|--------------------------------|------------------------------|
| 1. Front pillar garnish         | 2. Front body side welt        | 3. Front kicking plate inner |
| 4. Front kicking plate outer    | 5. Center pillar lower garnish | 6. Rear kicking plate inner  |
| 7. Rear pillar finisher         | 8. Rear body side welt         | 9. Rear kicking plate outer  |
| 10. Center pillar upper garnish | ○ Pawl                         | □ Metal clip                 |
| △ Clip                          | ← Vehicle front                |                              |

## Removal and Installation

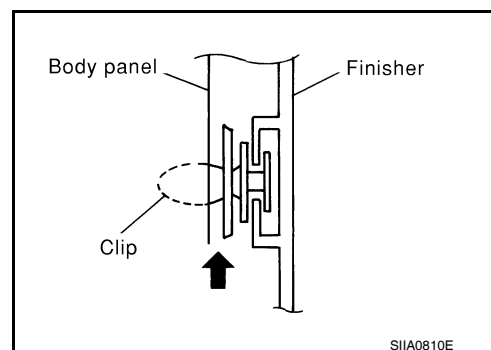
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### WARNING:

Do not reuse center pillar upper garnish if removed.

### CAUTION:

- Insert a suitable tool between panel on vehicle and clips (as indicated with arrow) to release clips.
- Use a suitable tool when removing metal clips from garnishes.
- Be careful not to damage the body while prying to release clips.
- Make sure clips are properly aligned in panel holes on body when installing, then press them in completely.

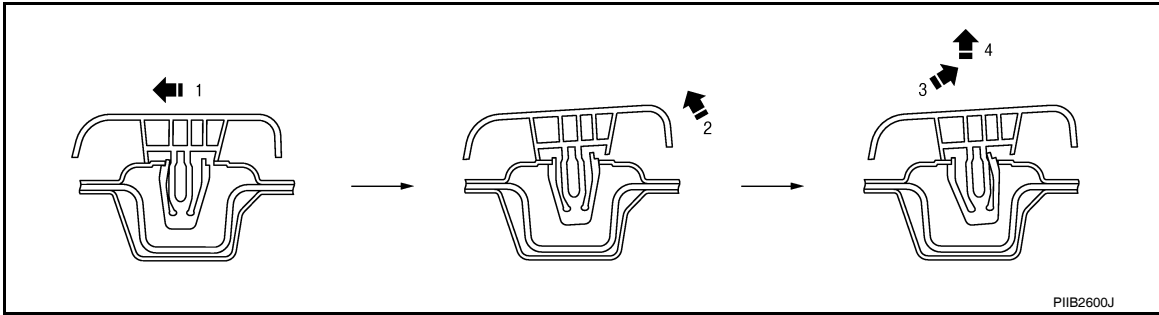


S1IA0810E

# BODY SIDE TRIM

## < ON-VEHICLE REPAIR >

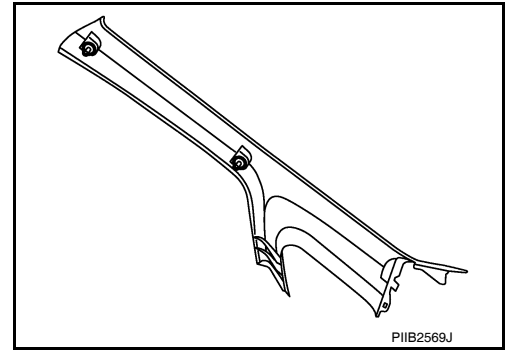
- When releasing molded-in pawls or resin clips, follow the steps below to prevent garnish or clip damage.



### FRONT PILLAR GARNISH

#### Removal

Release the clips, then remove front pillar garnish.



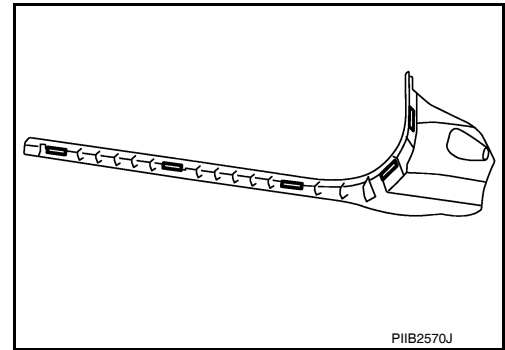
#### Installation

Installation is in the reverse order of removal.

### FRONT KICKING PLATE INNER

#### Removal

Release the clips, then remove front kicking plate inner.



#### Installation

Installation is in the reverse order of removal.

#### **CAUTION:**

**Install the kicking plate inner starting at the front and engage the metal clips and pawls towards the rear of the vehicle.**

### FRONT KICKING PLATE OUTER

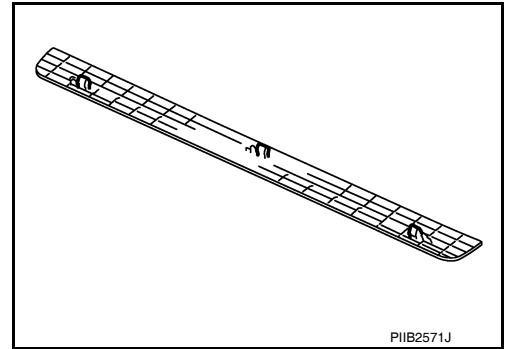
#### Removal

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## BODY SIDE TRIM

### < ON-VEHICLE REPAIR >

Release the clips, then remove front kicking plate outer.



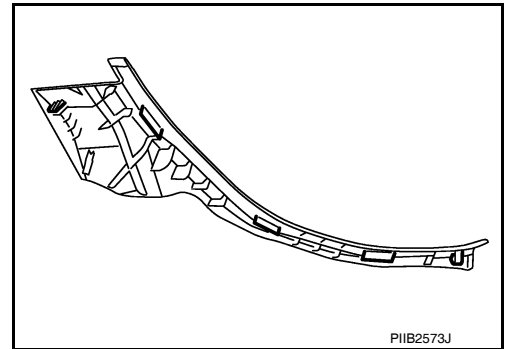
#### Installation

Installation is in the reverse order of removal.

### REAR KICKING PLATE INNER

#### Removal

Release the clips, then remove rear kicking plate inner.



#### Installation

Installation is in the reverse order of removal.

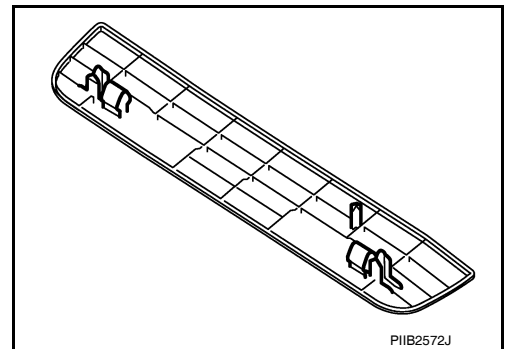
#### **CAUTION:**

**Install the kicking plate inner starting at the front and engage the metal clips and pawls towards the rear of the vehicle.**

### REAR KICKING PLATE OUTER

#### Removal

Release the clips, then remove rear kicking plate outer.



#### Installation

Installation is in the reverse order of removal.

### CENTER PILLAR LOWER GARNISH

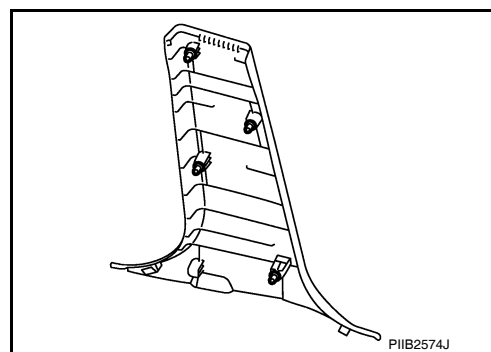
#### Removal

1. Remove front kicking plate inner. Follow the FRONT KICKING PLATE INNER procedure in this section.
2. Remove rear kicking plate inner. Follow the REAR KICKING PLATE INNER procedure in this section.
3. Remove front and rear body side welts.

## BODY SIDE TRIM

### < ON-VEHICLE REPAIR >

4. Release the clips, then remove center pillar lower garnish.



#### Installation

Installation is in the reverse order of removal.

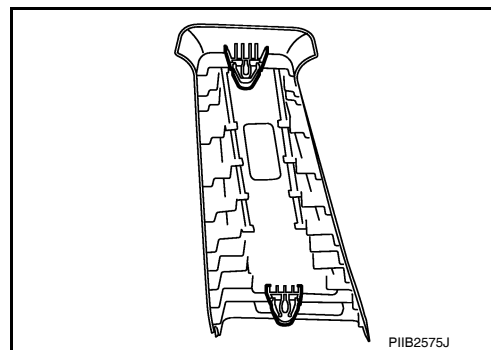
### CENTER PILLAR UPPER GARNISH

#### Removal

#### **WARNING:**

**Do not reuse center pillar upper garnish if removed.**

1. Remove center pillar lower garnish. Follow the CENTER PILLAR LOWER GARNISH procedure in this section.
2. Remove front seat belt shoulder anchor. Refer to [SB-4. "Removal and Installation of Front Seat Belt"](#).
3. Remove front and rear body side welts.
4. Release the resin clips, then remove center pillar upper garnish.



#### Installation

Installation is in the reverse order of removal.

### REAR PILLAR FINISHER

#### Removal - Sedan

1. Remove rear kicking plate outer and rear body side welt. Refer to REAR KICKING PLATE OUTER in this section.
2. Remove rear seatback side cushion and seat cushion. Refer to [SE-28. "Removal and Installation"](#) (Non-Sliding Seat).
3. Fold down 60/40 seatback.
  - If equipped with fixed seat, remove seatback. .
4. Release the clips, then remove rear pillar finisher.

#### Installation - Sedan

Installation is in the reverse order of removal.

#### Removal - Hatchback

1. Remove rear kicking plate outer and rear body side welt. Refer to REAR KICKING PLATE OUTER in this section.
2. Remove rear seatback side cushion. Refer to [SE-28. "Removal and Installation"](#) (Non-Sliding Seat), or [SE-16. "Removal and Installation"](#) (Sliding Seat).
3. Remove rear seat. Refer to [SE-28. "Removal and Installation"](#) (Non-Sliding Seat), or [SE-16. "Removal and Installation"](#) (Sliding Seat).
4. Remove back door weatherstrip. Refer to [EI-40. "Removal and Installation"](#).
5. Remove luggage floor center board and luggage rear plate. Refer to [EI-56. "Removal and Installation"](#).

## BODY SIDE TRIM

### < ON-VEHICLE REPAIR >

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6. Remove luggage side lower finisher. Refer to [EI-56, "Removal and Installation"](#).
7. Remove rear seat belt outer anchor bolt. Refer to [SB-6, "Removal and Installation of Rear Seat Belt"](#).
8. Release the clips, then remove rear pillar finisher.

Installation - Hatchback

Installation is in the reverse order of removal.

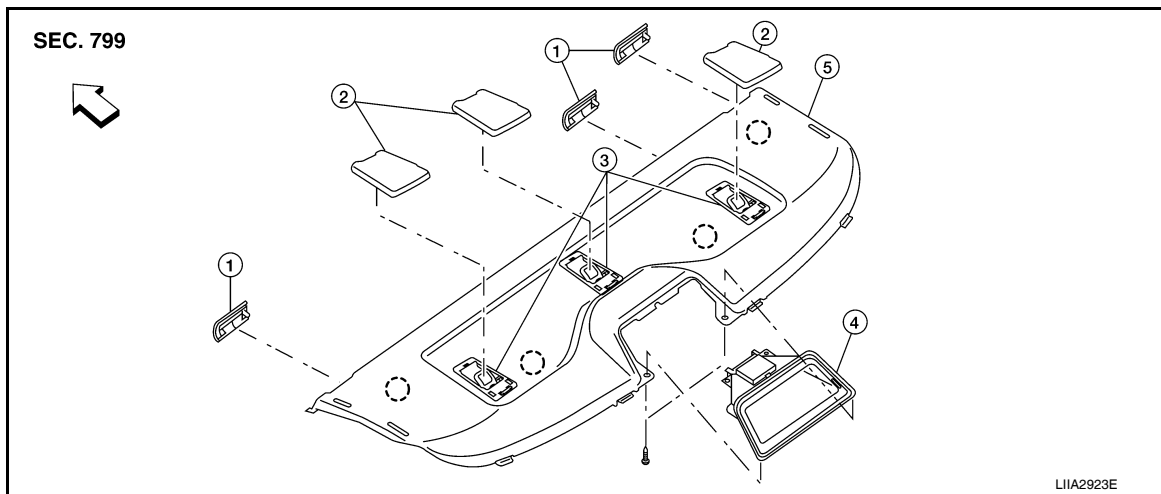
# REAR PARCEL SHELF FINISHER

< ON-VEHICLE REPAIR >

## REAR PARCEL SHELF FINISHER

### Removal and Installation

INFOID:000000005929573



- |   |                               |                            |
|---|-------------------------------|----------------------------|
| 1. Rear seat belt shoulder anchor cover | 2. Child anchor cover         | 3. Child anchor cover base |
| 4. High mounted stop lamp (if equipped) | 5. Rear parcel shelf finisher | ○ Pawl                     |

↶ Vehicle front

### REMOVAL

1. Remove rear seat. Refer to [SE-16. "Removal and Installation"](#) (60:40 Split Fold Down Seat), or [SE-28. "Removal and Installation"](#) (Fixed Back Seat).
2. Remove rear pillar finisher. Refer to [EI-42. "Removal and Installation"](#).
3. Remove high mounted stop lamp and disconnect connector (if equipped).
4. Remove rear parcel shelf finisher.

### INSTALLATION

Installation is in the reverse order of removal.

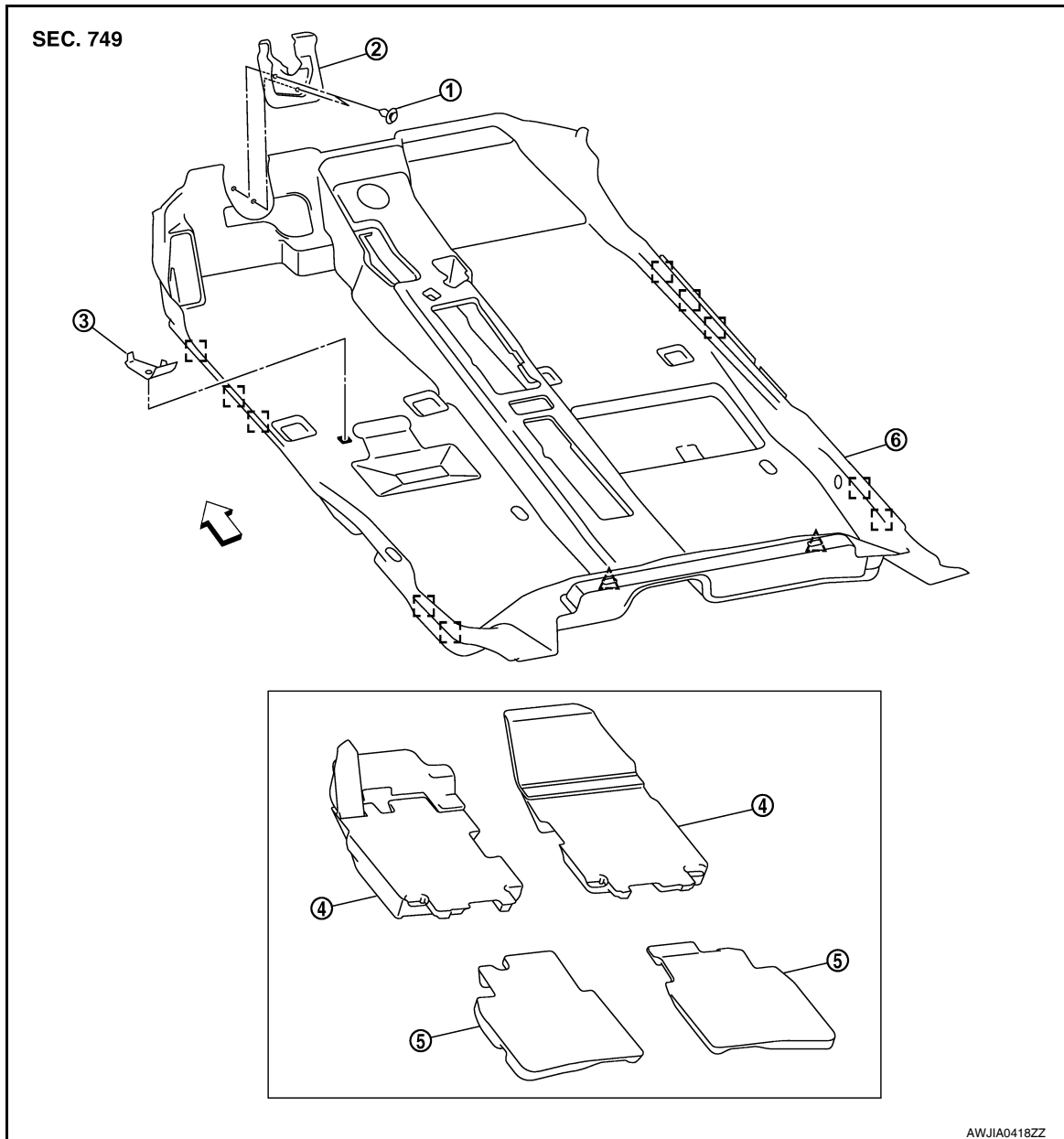
# FLOOR TRIM

< ON-VEHICLE REPAIR >

## FLOOR TRIM

### Removal and Installation

INFOID:000000005929574



- |                       |                                |                      |
|-----------------------|--------------------------------|----------------------|
| 1. Clip C101          | 2. Steering column shaft cover | 3. Floor carpet hook |
| 4. Front floor spacer | 5. Rear floor spacer           | 6. Floor trim        |
| Metal clip            | Clip CF110                     | Vehicle front        |

### REMOVAL

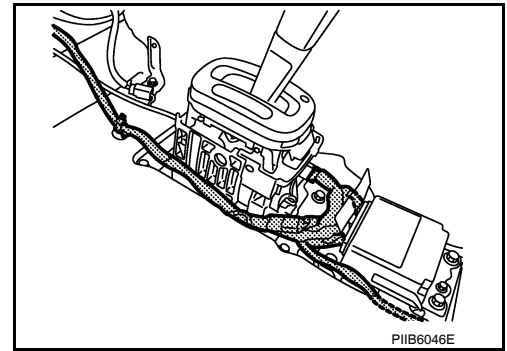
1. Disconnect both the negative and positive battery terminals, then wait at least three minutes.
2. Remove front seat assembly RH/LH and rear seat cushion. Refer to [SE-12. "Removal and Installation"](#) (Front seat), and [SE-16. "Removal and Installation"](#) (60:40 Split Fold Down Seat - Hatchback), or [SE-22. "Removal and Installation"](#) (60:40 Split Fold Down Seat - Sedan), or [SE-28. "Removal and Installation"](#) (Fixed Back Seat).
3. Remove center console and floor bracket. Refer to [IP-12. "Removal and Installation"](#).
4. Remove instrument lower cover. Refer to [IP-12. "Removal and Installation"](#).



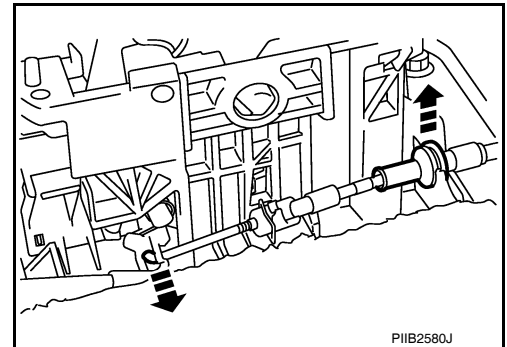
# FLOOR TRIM

## < ON-VEHICLE REPAIR >

5. Remove front kicking plate inner RH/LH, center pillar lower garnish RH/LH, and rear kicking plate inner RH/LH. Refer to [EI-42. "Removal and Installation"](#).
6. Disconnect floor harness connector.
7. Remove diagnosis sensor unit. Refer to [SRS-45](#).

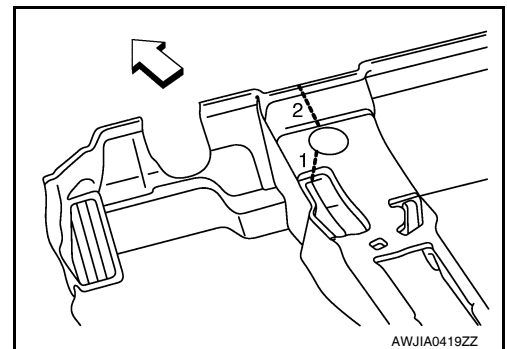


8. Remove key interlock cable. Refer to [AT-219](#).



9. Remove floor carpet hook.

10. Cut floor trim using a blade knife first between openings (1), then at front edge (2) as shown.
  - ⇐: Vehicle front



11. Release floor trim metal clips after cutting, then pull out floor trim through door opening.
12. Remove floor spacer RH/LH.

## INSTALLATION

Installation is in the reverse order of removal.

### CAUTION:

**When replacing the floor trim with a new one, prepare for installation by cutting it like the old one. Make sure there is a quality fit between floor trim and instrument lower cover by tucking the cut edge completely.**

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# HEADLINING

< ON-VEHICLE REPAIR >

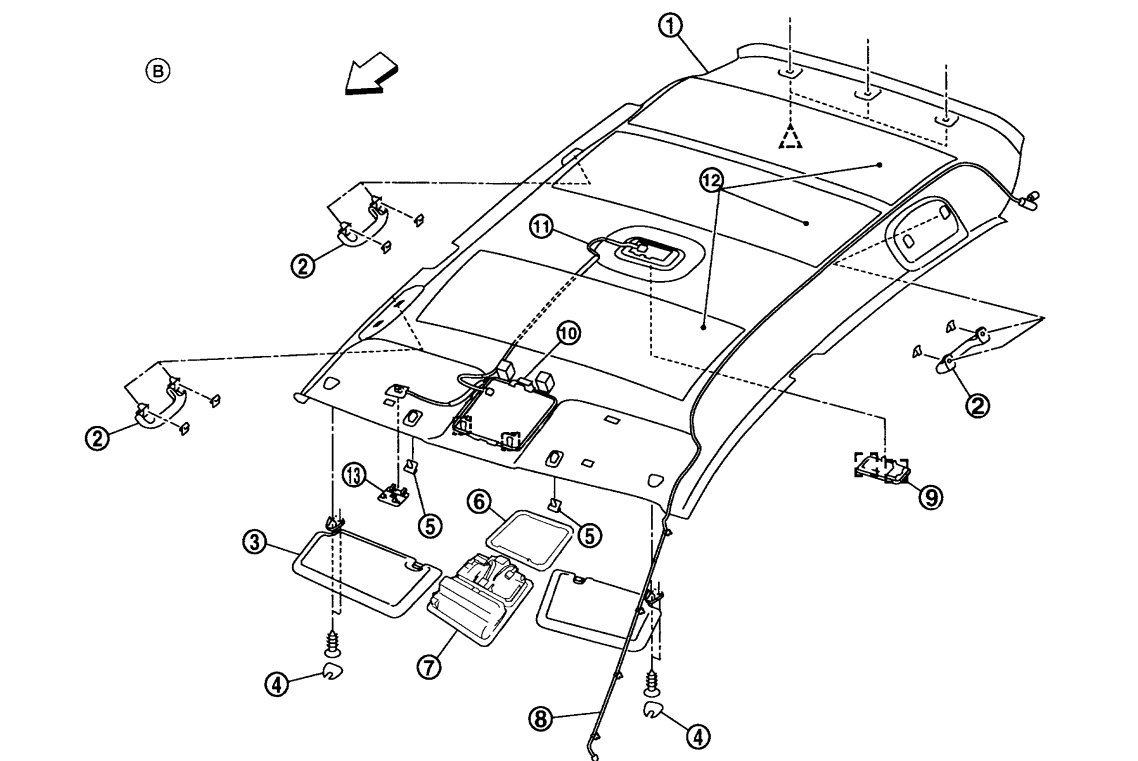
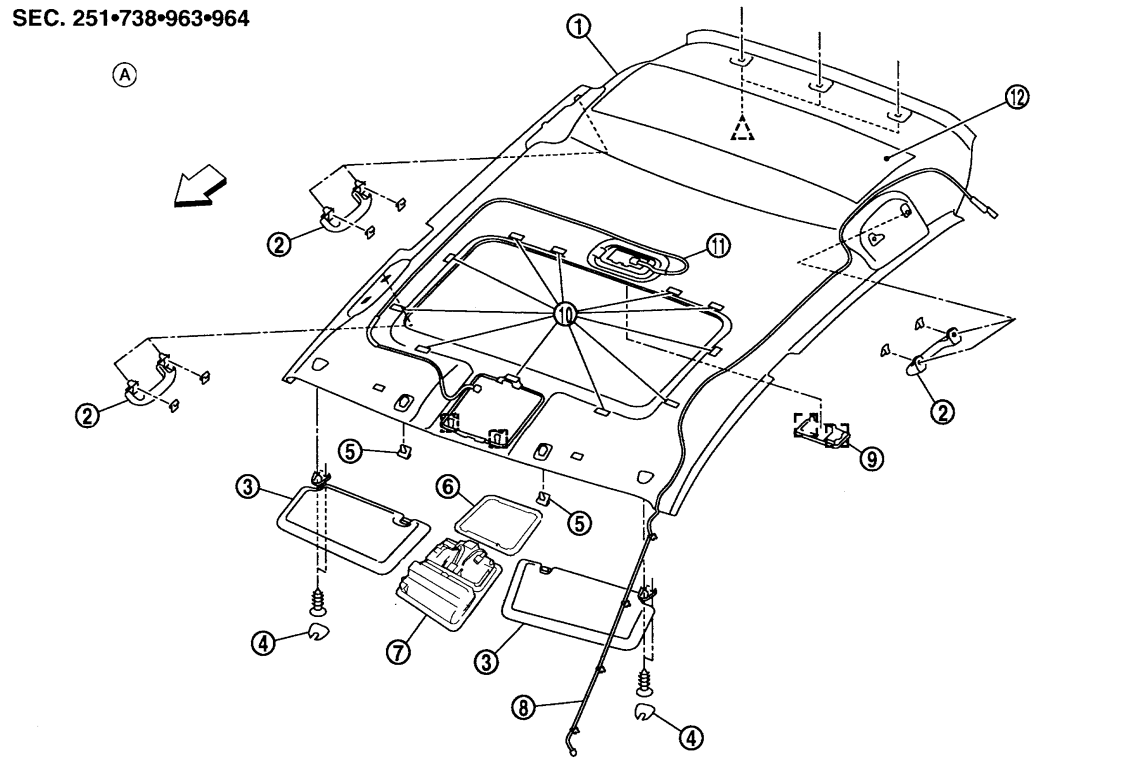
## HEADLINING

Component

INFOID:000000005929575

Hatchback Models

SEC. 251•738•963•964



LIIA2576E




- 1. Headlining
- 4. Cap

- 2. Assist grip
- 5. Sunvisor holder

- 3. Sunvisor
- 6. Roof console retainer

# HEADLINING

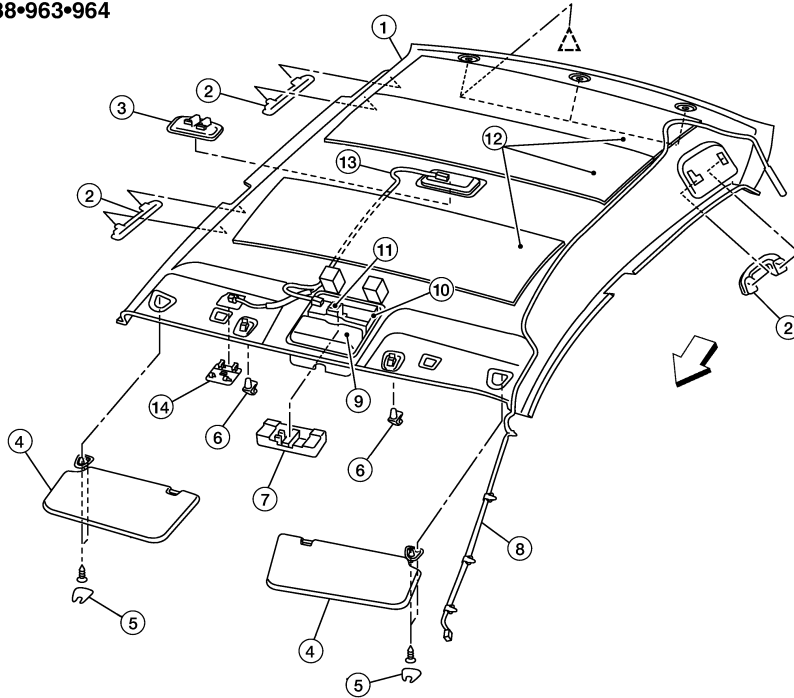
## < ON-VEHICLE REPAIR >

- |  |   |   |
|--|---|---|
| 7. Roof console/map lamp assembly (if equipped)  | 8. Antenna feeder cable   | 9. Room lamp  |
| 10. Dual lock fastener   | 11. Room lamp harness   | 12. Insulator   |
| 13. Finisher   | A. Without sunroof  | B. With sunroof   |
|  Metal clip |  Clip C103 |  Vehicle front |

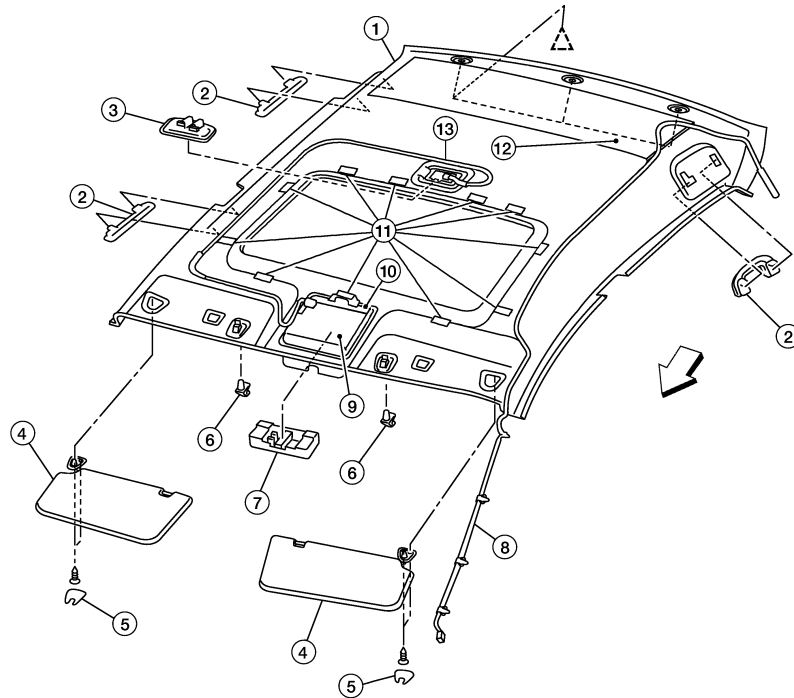
### Sedan Models

SEC. 251•738•963•964

(A)



(B)



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LIIA2925E

# HEADLINING

## < ON-VEHICLE REPAIR >

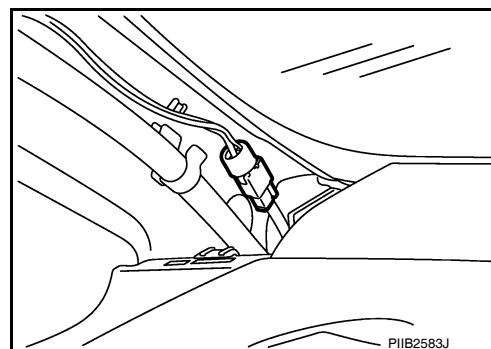
- |                                    |                         |  |
|------------------------------------|-------------------------|--|
| 1. Headlining                      | 2. Assist grip          | 3. Room lamp                           |
| 4. Sunvisor                        | 5. Cap                  | 6. Sunvisor holder                     |
| 7. Map lamp assembly (if equipped) | 8. Antenna feeder cable | 9. Roof console assembly (if equipped) |
| 10. Roof plate (if equipped)       | 11. Dual lock fastener  | 12. Insulator                          |
| 13. Room lamp harness              | 14. Cover               | A. With sunroof                        |
| B. Without sunroof                 | △ Clip C103             | ← Vehicle front                        |

## Removal and Installation - Hatchback

INFOID:000000005929576

### REMOVAL

1. Disconnect the negative and positive battery terminals, then wait at least three minutes.
2. Remove front seat assembly RH/LH. Refer to [SE-12. "Removal and Installation"](#).
3. Remove rear seat cushion and rear seatback. Refer to [SE-16. "Removal and Installation"](#) (60:40 Split Fold Down Seat), or [SE-28. "Removal and Installation"](#) (Fixed Back Seat).
4. Remove front seat belt shoulder anchor RH/LH. Refer to [SB-4. "Removal and Installation of Front Seat Belt"](#).
5. Remove center console body assembly. Refer to [IP-11](#).
6. Remove front pillar garnish RH/LH. Refer to [EI-42. "Removal and Installation"](#).
7. Remove antenna feeder cable clip, then disconnect antenna feeder cable connector.

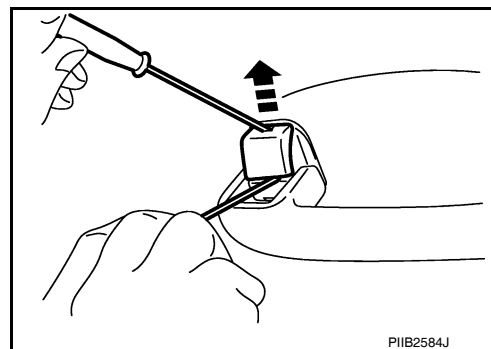


8. Remove front and rear kicking plate inner RH/LH, center pillar lower garnish, center pillar upper garnish, front and rear body side welt RH/LH. Refer to [EI-42. "Removal and Installation"](#).

### **WARNING:**

**Do not reuse center pillar upper garnish if removed.**

9. Remove back door weatherstrip. Refer to [EI-40](#).
10. Release the clips using a suitable tool, then remove the front and rear assist grips.

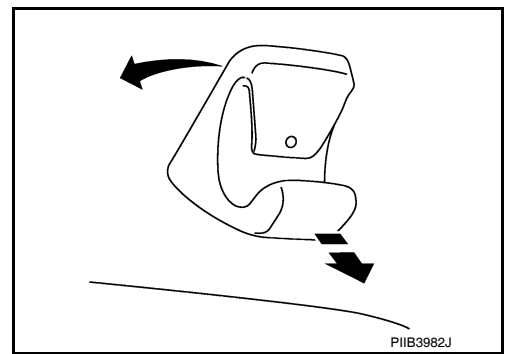


11. Remove the sunvisor caps and screws, then remove sunvisor RH/LH.

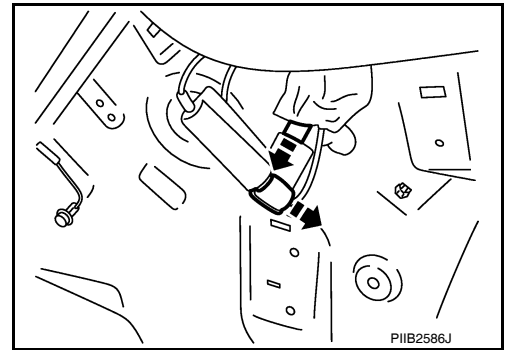
# HEADLINING

## < ON-VEHICLE REPAIR >

12. Remove sunvisor holders RH/LH by rotating 45 degrees, then pulling outward.



13. Release the metal clips, then remove the roof console/map lamp assembly (if equipped).  
14. Release remaining headlining clips.  
15. Disconnect antenna feeder cable near rear pillar finisher LH.

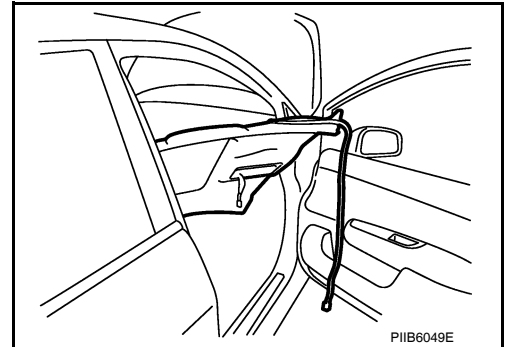


16. Disengage the dual lock fastener on the backside of headlining.  
• Insert a suitable tool into the edge of dual lock fastener, then move the tool side to side horizontally to release it.

**CAUTION:**

**Excessive up and down force may cause roof panel damage.**

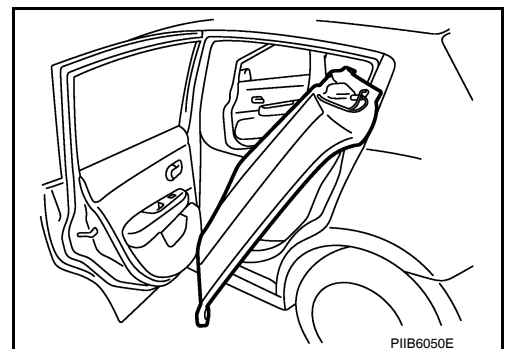
17. Position the headlining so the front edge goes through the opening of the right side front door.



18. Position the headlining so the rear edge goes through the opening of the left rear door, then remove headlining.

**CAUTION:**

- 2 technicians should be used to avoid damage when removing or replacing headlining.
- During headlining removal and installation, cover the center console finisher upper surface to prevent damage.
- Set A/T or CVT shift lever to the D position, and make a space to remove front end of headlining right side.
- Do not bend headlining when removing.



## INSTALLATION

Installation is in the reverse order of removal.

**CAUTION:**

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# HEADLINING

< ON-VEHICLE REPAIR >

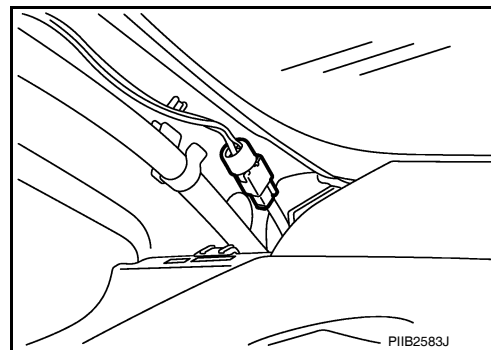
**Avoid headlining damage when installing by inserting rear clips first during assembly.**

## Removal and Installation - Sedan

INFOID:000000005929577

### REMOVAL

1. Disconnect the negative and positive battery terminals, then wait at least three minutes.
2. Remove front seat assembly RH/LH. Refer to [SE-12. "Removal and Installation"](#).
3. Remove rear seat cushion and rear seatback. Refer to [SE-22. "Removal and Installation"](#) (60:40 Split Fold Down Seat), or [SE-28. "Removal and Installation"](#) (Fixed Back Seat).
4. Remove front seat belt shoulder anchor RH/LH. Refer to [SB-4. "Removal and Installation of Front Seat Belt"](#).
5. Remove center console body assembly. Refer to [IP-11](#).
6. Remove front pillar garnish RH/LH. Refer to [EI-42. "Removal and Installation"](#).
7. Remove antenna feeder cable clip, then disconnect antenna feeder cable connector.

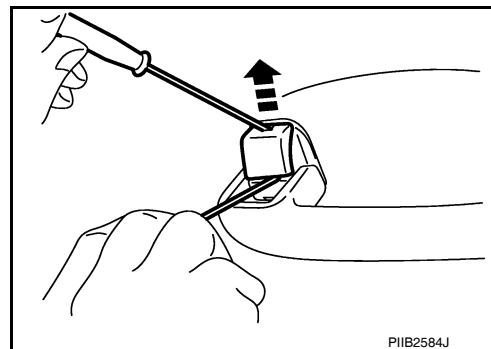


8. Remove front and rear kicking plate inner RH/LH, center pillar lower garnish, center pillar upper garnish, front and rear body side welt RH/LH. Refer to [EI-42. "Removal and Installation"](#).

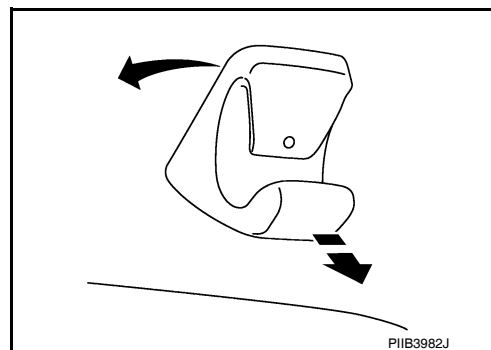
**WARNING:**

**Do not reuse center pillar upper garnish if removed.**

9. Release the clips using a suitable tool, then remove the front and rear assist grips.



10. Remove the sunvisor caps and screws, then remove sunvisor RH/LH.
11. Remove sunvisor holders RH/LH by rotating 45 degrees, then pulling outward.

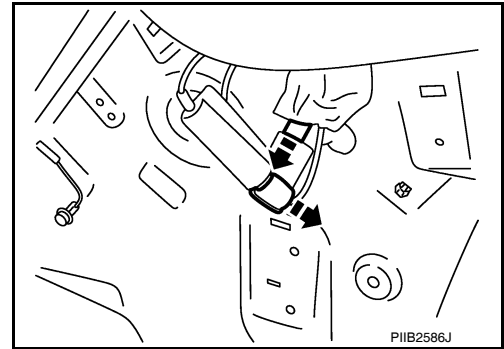


12. Release the metal clips, then remove the roof console/map lamp assembly (if equipped).
13. Release remaining headlining clips.

# HEADLINING

## < ON-VEHICLE REPAIR >

14. Disconnect antenna feeder cable near rear pillar finisher LH.



15. Disengage the dual lock fastener on the backside of headlining.  
• Insert a suitable tool into the edge of dual lock fastener, then move the tool side to side horizontally to release it.

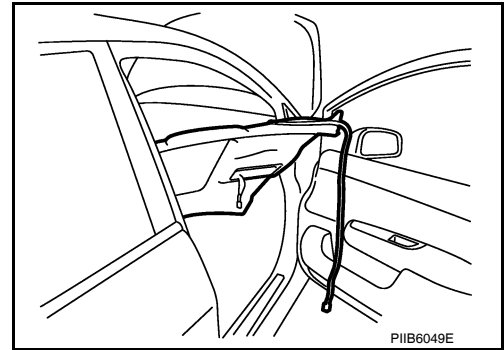
**CAUTION:**

**Excessive up and down force may cause roof panel damage.**

16. Position the headlining so the front edge goes through the opening of the right side front door.  
17. Position the headlining so the rear edge goes through the opening of the left rear door, then remove headlining.

**CAUTION:**

- 2 technicians should be used to avoid damage when removing or replacing headlining.
- During headlining removal and installation, cover the center console finisher upper surface to prevent damage.
- Set A/T or CVT shift lever to the D position, and make a space to remove front end of headlining right side.
- Do not bend headlining when removing.



## INSTALLATION

Installation is in the reverse order of removal.

**CAUTION:**

**Avoid headlining damage when installing by inserting rear clips first during assembly.**

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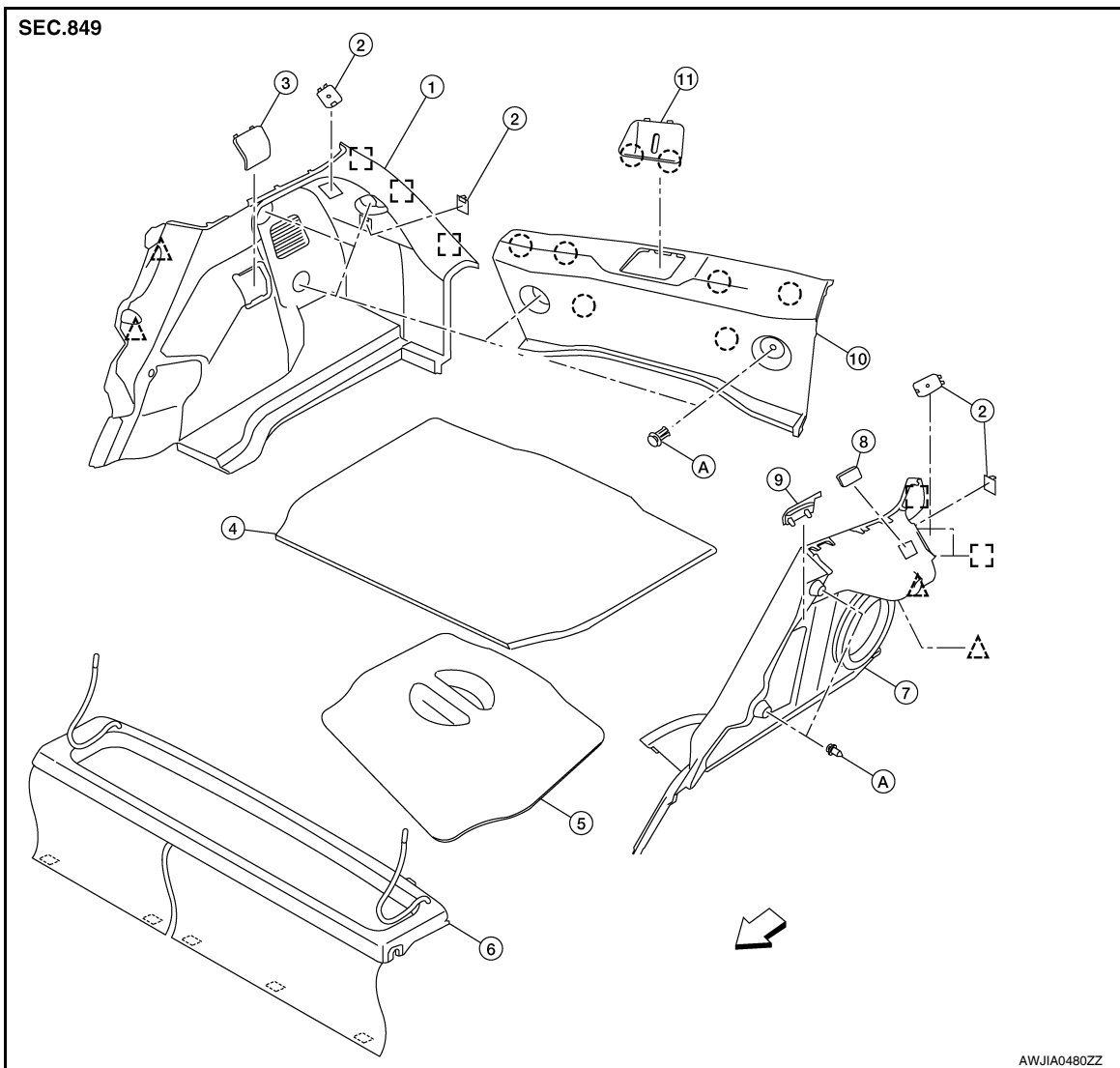
# LUGGAGE FLOOR TRIM

< ON-VEHICLE REPAIR >

## LUGGAGE FLOOR TRIM

### Removal and Installation

INFOID:000000005929578



- |                                   |                         |                            |
|-----------------------------------|-------------------------|----------------------------|
| 1. Luggage side lower finisher RH | 2. Access cover         | 3. Shock absorber cover RH |
| 4. Luggage floor center board     | 5. Luggage floor spacer | 6. Tonneau board           |
| 7. Luggage side lower finisher LH | 8. Luggage room lamp    | 9. Shock absorber cover LH |
| 10. Luggage rear plate            | 11. Striker cover plate | A. Clip C101               |
| ○ Pawl                            | □ Metal clip            | △ Clip C101                |
| ← Vehicle front                   |                         |                            |

### REMOVAL

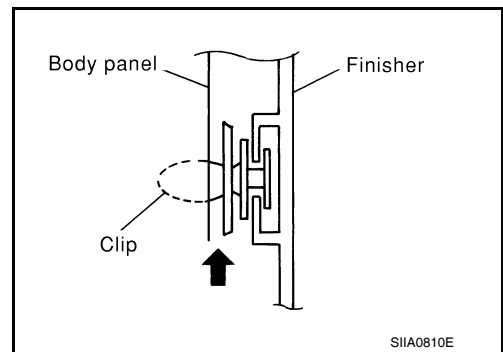
**CAUTION:**



## LUGGAGE FLOOR TRIM

### < ON-VEHICLE REPAIR >

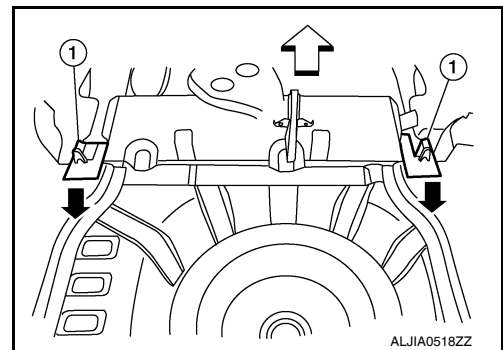
- Insert a trim stick or suitable tool between panel on vehicle and clips (as indicated with arrow) to release clips.
- Use a trim stick or suitable tool when removing metal clips from garnishes.
- Be careful not to damage the body while prying to release clips.
- Make sure clips are properly aligned in panel holes on body when installing, then press them in completely.



1. Position rear seat.
  - For non-sliding type, remove rear seat. Refer to [SE-28, "Removal and Installation"](#).
  - For sliding type seat, fold down the seatback and slide to forward most position in vehicle.
2. Lift and remove the luggage floor center board and luggage floor spacer.
3. Partially remove lower edge of back door weatherstrip and set aside. Refer to [EI-40, "Removal and Installation"](#).

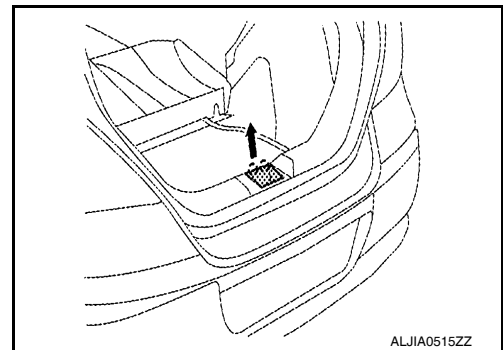
4. If equipped, remove the bracket cover (1).

↔: Vehicle front



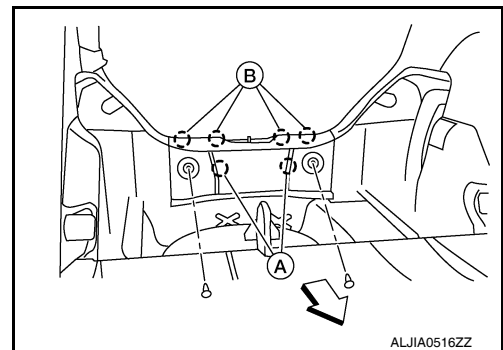
5. Using a suitable tool, release the pawls at the front edge (forward in vehicle) of striker cover plate, then lift upward to remove.

⊙: Pawl



6. Remove the clips, then while pressing down on the top edge, pull bottom edge inboard releasing hidden pawls (A). Pull upward to release hidden pawls (B), and remove luggage rear plate.

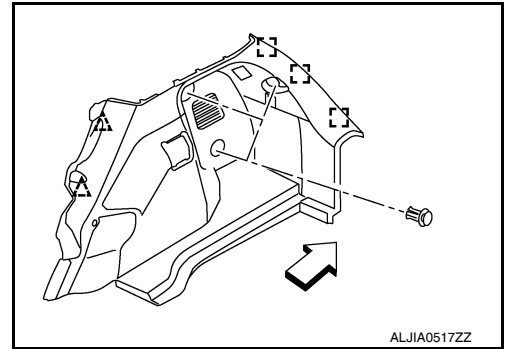
↔: Vehicle front



## LUGGAGE FLOOR TRIM

### < ON-VEHICLE REPAIR >

7. Remove the clips, then using a suitable tool release metal clips first at rear edge (rearward in vehicle) of luggage side lower finisher.
  - ⇐: Vehicle rear
  - ☐: Metal clip
  - △: Clip
8. Release the clips at the front edge (forward in vehicle) and pull luggage side lower finisher RH/LH inboard from the top and bottom evenly to remove
  - For LH side, disconnect luggage room lamp connector.



### INSTALLATION

Installation is in the reverse order of removal.

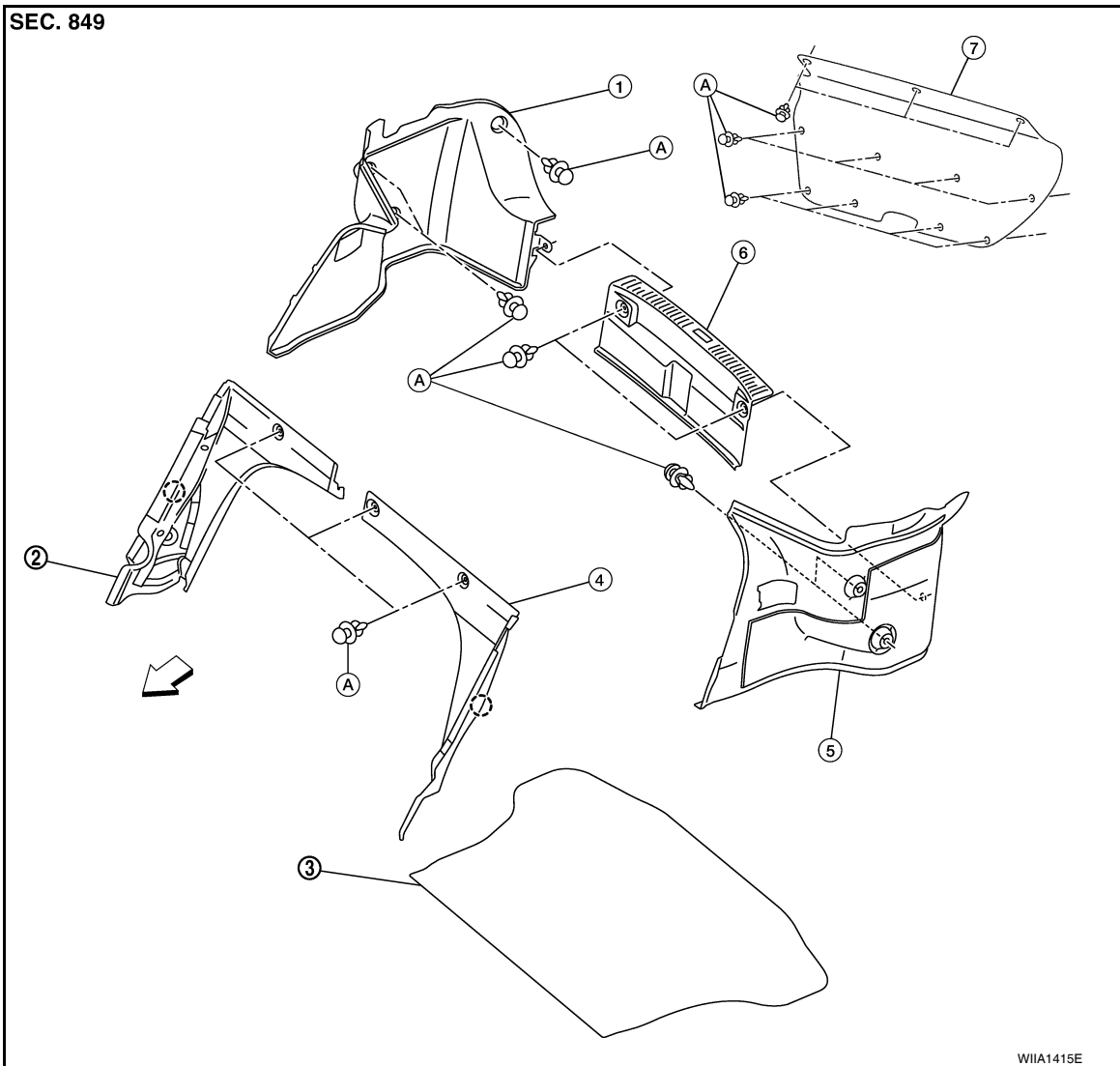
# TRUNK ROOM TRIM & TRUNK LID FINISHER

< ON-VEHICLE REPAIR >

## TRUNK ROOM TRIM & TRUNK LID FINISHER

### Removal and Installation

INFOID:000000005929579



- |  |  |                       |
|--|--|-----------------------|
| 1. Trunk side finisher RH              | 2. Seat back finisher RH (if equipped) | 3. Trunk floor carpet |
| 4. Seat back finisher LH (if equipped) | 5. Trunk side finisher LH              | 6. Trunk rear plate   |
| 7. Trunk lid finisher inner            | A. Clip C205                           | ⇐ Vehicle front       |

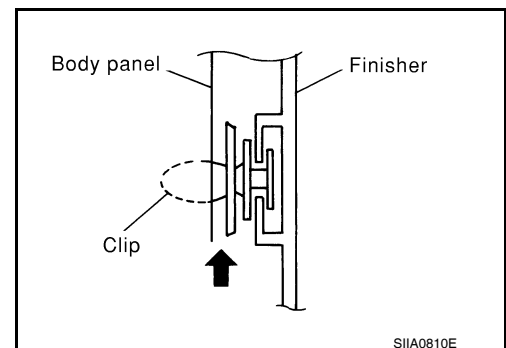
○ Pawl

#### REMOVAL

#### CAUTION:

- Insert a trim stick or suitable tool between panel on vehicle and clips (as indicated with arrow) to release clips.
- Be careful not to damage the body while prying to release clips.
- Make sure clips are properly aligned in panel holes on body when installing, then press them in completely.

1. Open trunk lid.
2. Position the rear seat cushion to the forward most position, then remove the rear seatback and seatback side RH/LH. Refer to [SE-22. "Removal and Installation"](#).



SIIA0810E

## TRUNK ROOM TRIM & TRUNK LID FINISHER

### < ON-VEHICLE REPAIR >

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3. Release the clips, then remove the seatback finisher RH/LH.
4. Lift and remove the trunk floor carpet.
5. Release the clips, then remove the trunk rear plate.
6. Release the clips, then remove the trunk side finisher RH/LH.
7. Release the clips and remove the trunk lid finisher inner from the trunk lid.

### INSTALLATION

Installation is in the reverse order of removal.