

SECTION **EXT** EXTERIOR

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PRECAUTIONS

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PRECAUTION

PRECAUTIONS

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

INFOID:000000009446816

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

WARNING:

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

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

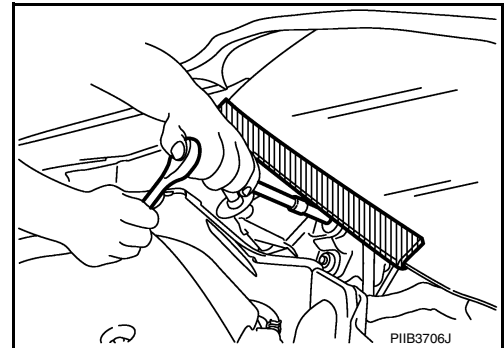
WARNING:

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

Procedure without Cowl Top Cover

INFOID:000000009444681

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



Precaution for Work

INFOID:000000009443525

- When removing or disassembling each component, be careful not to damage or deform it. If a component may be subject to interference, be sure to protect it with a shop cloth.
- When removing (disengaging) components with a screwdriver or similar tool, be sure to wrap the component with a shop cloth or vinyl tape to protect it.
- Protect the removed parts with a shop cloth and prevent them from being dropped.
- Replace a deformed or damaged clip.
- If a part is specified as a non-reusable part, always replace it with a new one.
- Be sure to tighten bolts and nuts securely to the specified torque.
- After installation is complete, be sure to check that each part works properly.
- Follow the steps below to clean components:
 - Water soluble dirt:
 - Dip a soft cloth into lukewarm water, wring the water out of the cloth and wipe the dirty area.
 - Then rub with a soft, dry cloth.
 - Oily dirt:

PRECAUTIONS

< PRECAUTION >

- Dip a soft cloth into lukewarm water with mild detergent (concentration: within 2 to 3%) and wipe the dirty area.
- Then dip a cloth into fresh water, wring the water out of the cloth and wipe the detergent off.
- Then rub with a soft, dry cloth.
- Do not use organic solvent such as thinner, benzene, alcohol or gasoline.
- For genuine leather seats, use a genuine leather seat cleaner.

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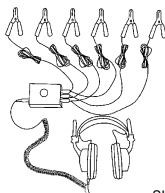
PREPARATION

Special Service Tools

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

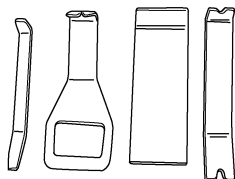
Tool number (Kent-Moore No.) Tool name	Description
— (J-39570) Chassis Ear	Locating the noise
— (J-50397) NISSAN Squeak and Rattle Kit	Repairing the cause of noise
— (J-46534) Trim Tool Set	Removing trim components



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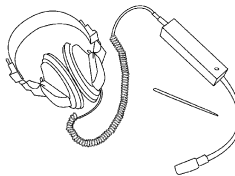


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Commercial Service Tools

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



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CLIP LIST

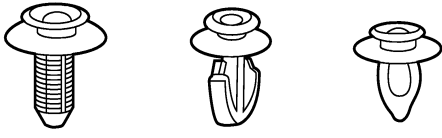
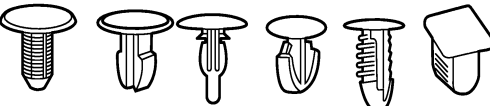
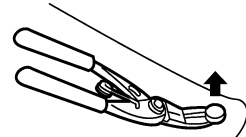
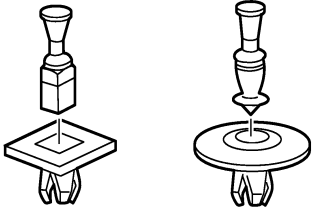
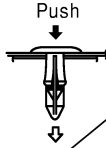
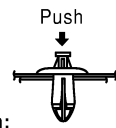
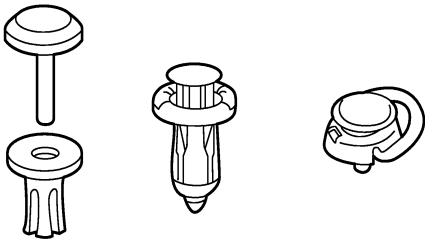
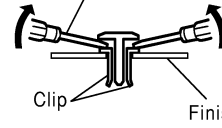
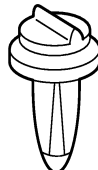
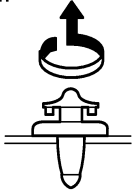
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CLIP LIST

Descriptions for Clips

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Replace any clips which are damaged during removal or installation.

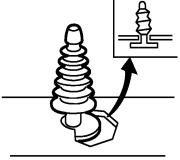
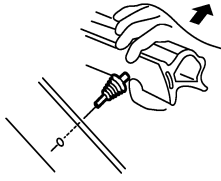
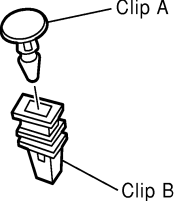
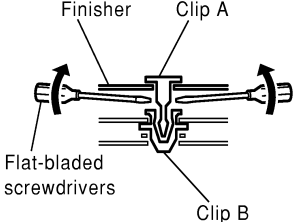
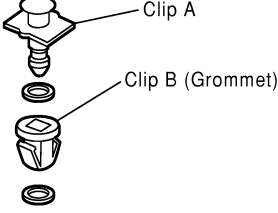
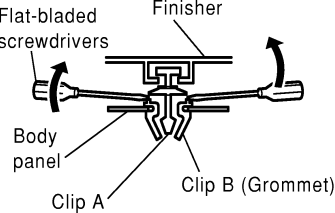
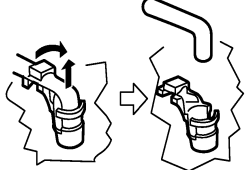
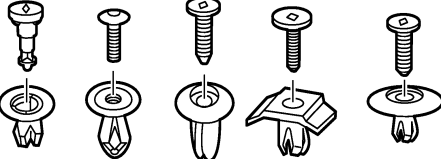
Symbol No.	Shapes	Removal & Installation
C101 		Removal: Remove by bending up with flat-bladed screwdrivers or clip remover. 
C103 		 Removal: Remove with a clip remover.
C203 		Removal: Push center pin to catching position. (Do not remove center pin by hitting it.)  Installation: 
C205 		Removal: Flat-bladed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

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CLIP LIST

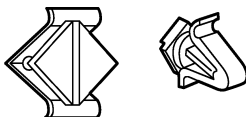
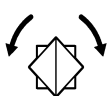
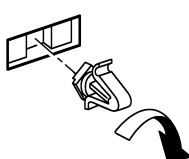
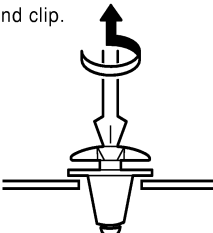
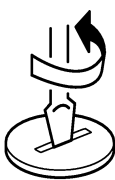
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Symbol No.	Shapes	Removal & Installation
CE103 		Removal: 
CF110 		Removal: 
CF118 		Removal: 
CR103 		Removal: Holder portion of clip must be spread out to remove rod. 
CS101 		Removal: 1. Screw out with a Phillips screwdriver. 2. Remove female portion with flat-bladed screwdriver. 

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CLIP LIST

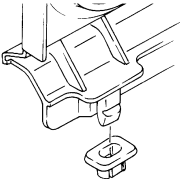
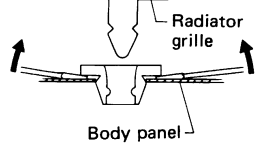
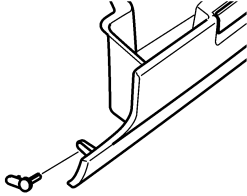
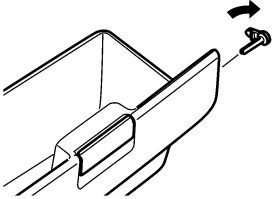
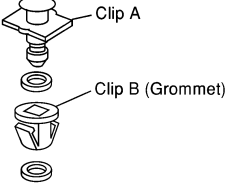
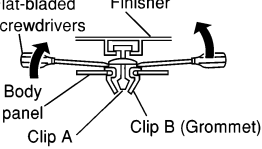
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Symbol No.	Shapes	Removal & Installation	
CG101 		Removal:  Rotate 45° to remove	Installation: 
		 Removal:	
CS102 			
CS113 		Removal: Disconnect upper connection of clip with a flat-bladed screwdriver, then remove clip while inserting a flat-bladed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

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CLIP LIST

< PREPARATION >

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

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SQUEAK AND RATTLE TROUBLE DIAGNOSES

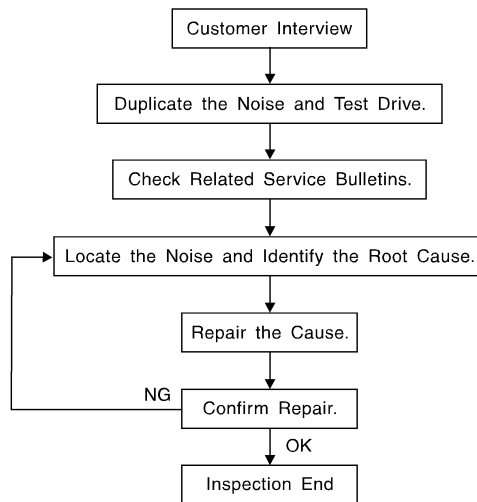
< SYMPTOM DIAGNOSIS >

SYMPTOM DIAGNOSIS

SQUEAK AND RATTLE TROUBLE DIAGNOSES

Work Flow

INFOID:000000009671261



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CUSTOMER INTERVIEW

Interview the customer if possible, to determine the conditions that exist when the noise occurs. Use the Diagnostic Worksheet during the interview to document the facts and conditions when the noise occurs and any customer's comments; refer to [EXT-13, "Diagnostic Worksheet"](#). This information is necessary to duplicate the conditions that exist when the noise occurs.

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

DUPLICATE THE NOISE AND TEST DRIVE

SQUEAK AND RATTLE TROUBLE DIAGNOSES

< SYMPTOM DIAGNOSIS >

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

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

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

CHECK RELATED SERVICE BULLETINS

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

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

LOCATE THE NOISE AND IDENTIFY THE ROOT CAUSE

1. Narrow down the noise to a general area. To help pinpoint the source of the noise, use a listening tool (Chassis Ear: J-39570, Engine Ear: J-39565 and mechanic's stethoscope).
2. Narrow down the noise to a more specific area and identify the cause of the noise by:
 - removing the components in the area that you suspect the noise is coming from.
Do not use too much force when removing clips and fasteners, otherwise clips and fasteners can be broken or lost during the repair, resulting in the creation of new noise.
 - tapping or pushing/pulling the component that you suspect is causing the noise.
Do not tap or push/pull the component with excessive force, otherwise the noise will be eliminated only temporarily.
 - feeling for a vibration with your hand by touching the component(s) that you suspect is (are) causing the noise.
 - placing a piece of paper between components that you suspect are causing the noise.
 - looking for loose components and contact marks.Refer to [EXT-10. "Generic Squeak and Rattle Troubleshooting"](#).

REPAIR THE CAUSE

- If the cause is a loose component, tighten the component securely.
- If the cause is insufficient clearance between components:
 - separate components by repositioning or loosening and retightening the component, if possible.
 - insulate components with a suitable insulator such as urethane pads, foam blocks, felt cloth tape or urethane tape. A NISSAN Squeak and Rattle Kit (J-50397) is available through your authorized NISSAN Parts Department.

CAUTION:

Do not use excessive force as many components are constructed of plastic and may be damaged.

NOTE:

- Always check with the Parts Department for the latest parts information.
- The materials contained in the NISSAN Squeak and Rattle Kit (J-50397) are listed on the inside cover of the kit; and can each be ordered separately as needed.
- The following materials not found in the kit can also be used to repair squeaks and rattles.
 - SILICONE GREASE: Use instead of UHMW tape that will be visible or does not fit. The silicone grease will only last a few months.
 - SILICONE SPRAY: Use when grease cannot be applied.
 - DUCT TAPE: Use to eliminate movement.

CONFIRM THE REPAIR

Confirm that the cause of a noise is repaired by test driving the vehicle. Operate the vehicle under the same conditions as when the noise originally occurred. Refer to the notes on the Diagnostic Worksheet.

Generic Squeak and Rattle Troubleshooting

INFOID:000000009671262

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

SQUEAK AND RATTLE TROUBLE DIAGNOSES

< SYMPTOM DIAGNOSIS >

INSTRUMENT PANEL

Most incidents are caused by contact and movement between:

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

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

CAUTION:

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

CENTER CONSOLE

Components to pay attention to include:

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

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

DOORS

Pay attention to the:

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

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

TRUNK

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

In addition look for:

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

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

SUNROOF/HEADLINING

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

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

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

OVERHEAD CONSOLE (FRONT AND REAR)

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

In addition look for:

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SQUEAK AND RATTLE TROUBLE DIAGNOSES

< SYMPTOM DIAGNOSIS >

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

SEATS

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

Cause of seat noise include:

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

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

UNDERHOOD

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

Causes of transmitted underhood noise include:

1. Any component installed to the engine wall
2. Components that pass through the engine wall
3. Engine wall mounts and connectors
4. Loose radiator installation pins
5. Hood bumpers out of adjustment
6. Hood striker out of adjustment

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

SQUEAK AND RATTLE TROUBLE DIAGNOSES

< SYMPTOM DIAGNOSIS >

Diagnostic Worksheet

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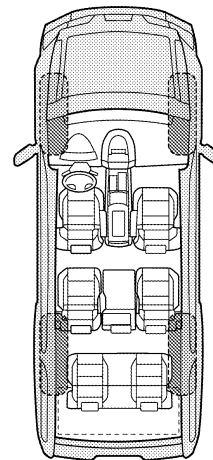
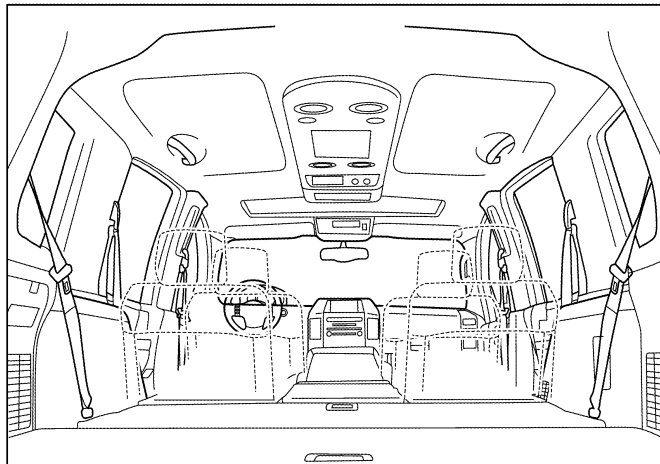
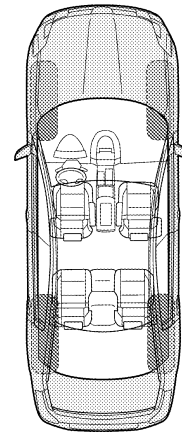
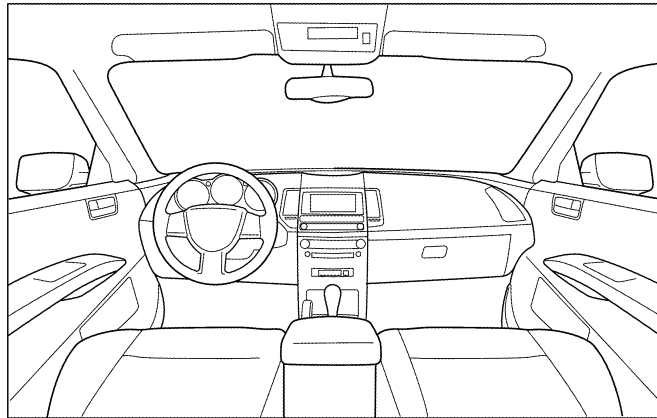
Dear Customer:

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 DIAGNOSES

< SYMPTOM DIAGNOSIS >

SQUEAK & RATTLE DIAGNOSTIC WORKSHEET - page 2

Briefly describe the location where the noise occurs:

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

- | | |
|---|--|
| ☐ Anytime | ☐ After sitting out in the rain |
| ☐ 1st time in the morning | ☐ When it is raining or wet |
| ☐ Only when it is cold outside | ☐ Dry or dusty conditions |
| ☐ Only when it is hot outside | ☐ Other: |

III. WHEN DRIVING:

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

IV. WHAT TYPE OF NOISE

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

TO BE COMPLETED BY DEALERSHIP PERSONNEL

Test Drive Notes:

	YES	NO	Initials of person performing
Vehicle test driven with customer	☐	☐	_____
- Noise verified on test drive	☐	☐	_____
- Noise source located and repaired	☐	☐	_____
- Follow up test drive performed to confirm repair	☐	☐	_____

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

This form must be attached to Work Order

LAIA0071E

FRONT BUMPER

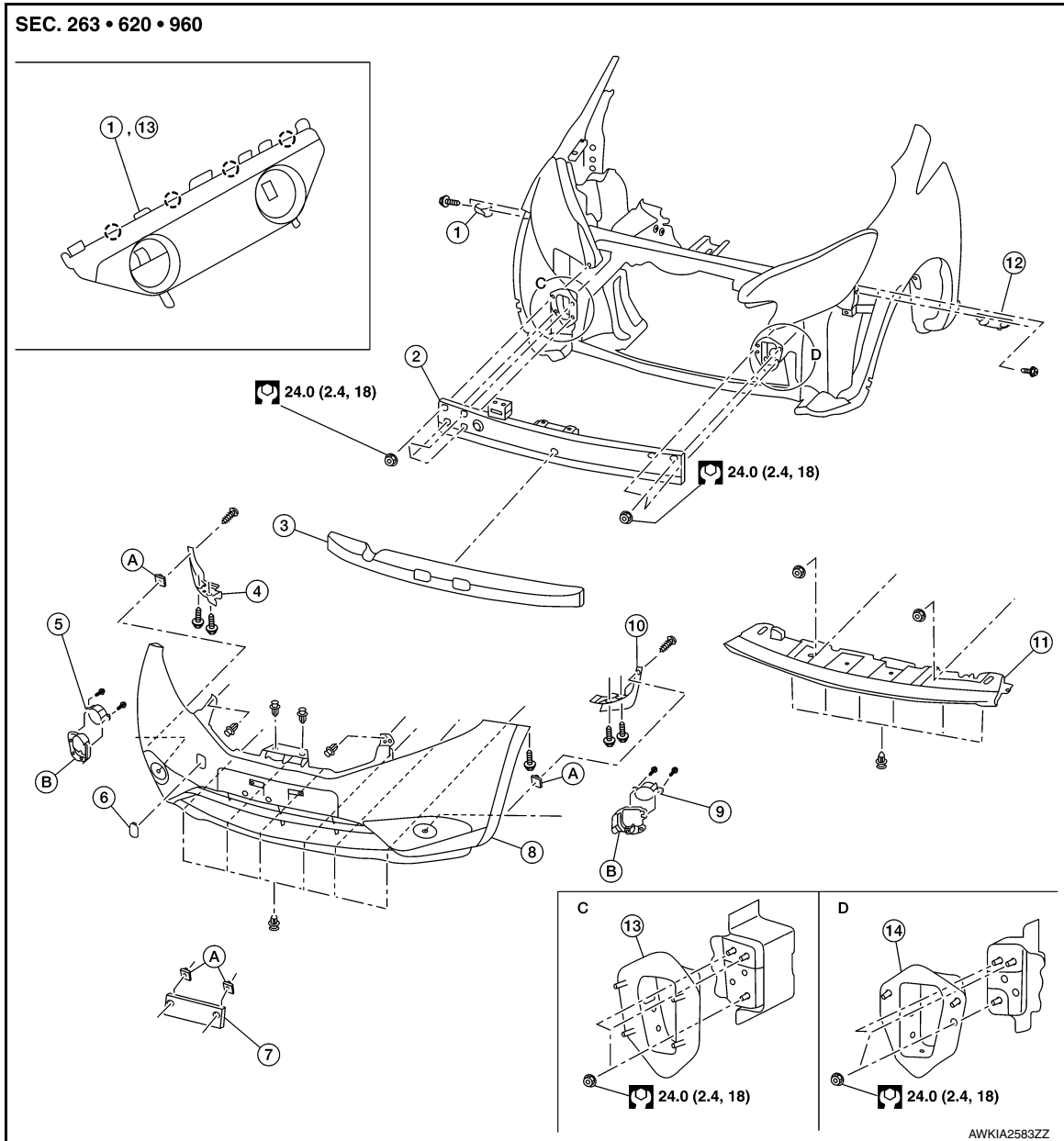
< REMOVAL AND INSTALLATION >

REMOVAL AND INSTALLATION

FRONT BUMPER

Exploded View

INFOID:000000009015848



- | | | |
|---|---|---|
| 1. Front bumper fascia side bracket (RH) | 2. Front bumper reinforcement | 3. Front energy absorber |
| 4. Front fascia side deflector (RH) | 5. Front fog lamp (RH) (if equipped) | 6. Tow cover |
| 7. Front license plate bracket | 8. Front bumper fascia | 9. Front fog lamp (LH) (if equipped) |
| 10. Front fascia side deflector (LH) | 11. Front under cover | 12. Front bumper fascia side bracket (LH) |
| 13. Front bumper reinforcement bracket (RH) | 14. Front bumper reinforcement bracket (LH) | A. J nut |
| B. Front fog lamp bracket | ⊙ Pawl | |

FRONT BUMPER

< REMOVAL AND INSTALLATION >

Removal and Installation

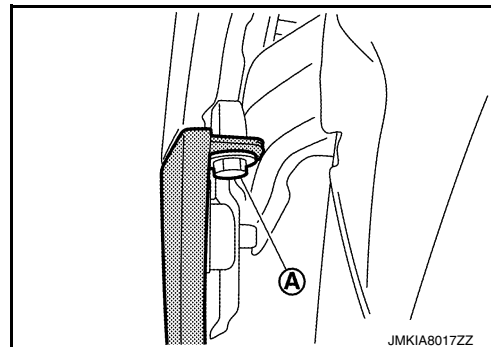
INFOID:000000009015849

CAUTION:

Bumper fascia is made of resin. Use care when handling to prevent damage. Avoid contact with oily substances.

REMOVAL

1. Remove the front grille. Refer to [EXT-21, "Removal and Installation"](#).
2. Remove the four front bumper fascia upper clips.
3. Remove the front under cover. Refer to [EXT-25, "FRONT UNDER COVER : Removal and Installation"](#).
4. Partially remove front fender protectors (LH/RH) at the front edge to access front bumper fascia bolts. Refer to [EXT-24, "Exploded View"](#).
5. Remove front bumper fascia bolts (A) (LH/RH).

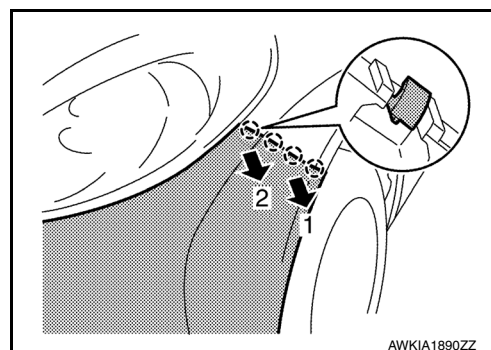


6. Remove the front bumper fascia from the front bumper fascia side brackets (LH/RH) by releasing the pawls as shown.

○: Pawl

CAUTION:

When removing front bumper fascia, two people are required to avoid damaging.



7. Disconnect the harness connectors from the front fog lamps (LH/RH) (if equipped).
8. Remove front bumper fascia.
9. Remove the following parts after removing front bumper fascia (if necessary).
 - Tow cover
 - Front fog lamps (LH/RH) (if equipped). Refer to [EXL-110, "Removal and Installation"](#).
 - Front license plate bracket
10. Remove the front energy absorber (if necessary).
11. Remove nuts and front bumper reinforcement (if necessary).

INSTALLATION

Installation is in the reverse order of removal.

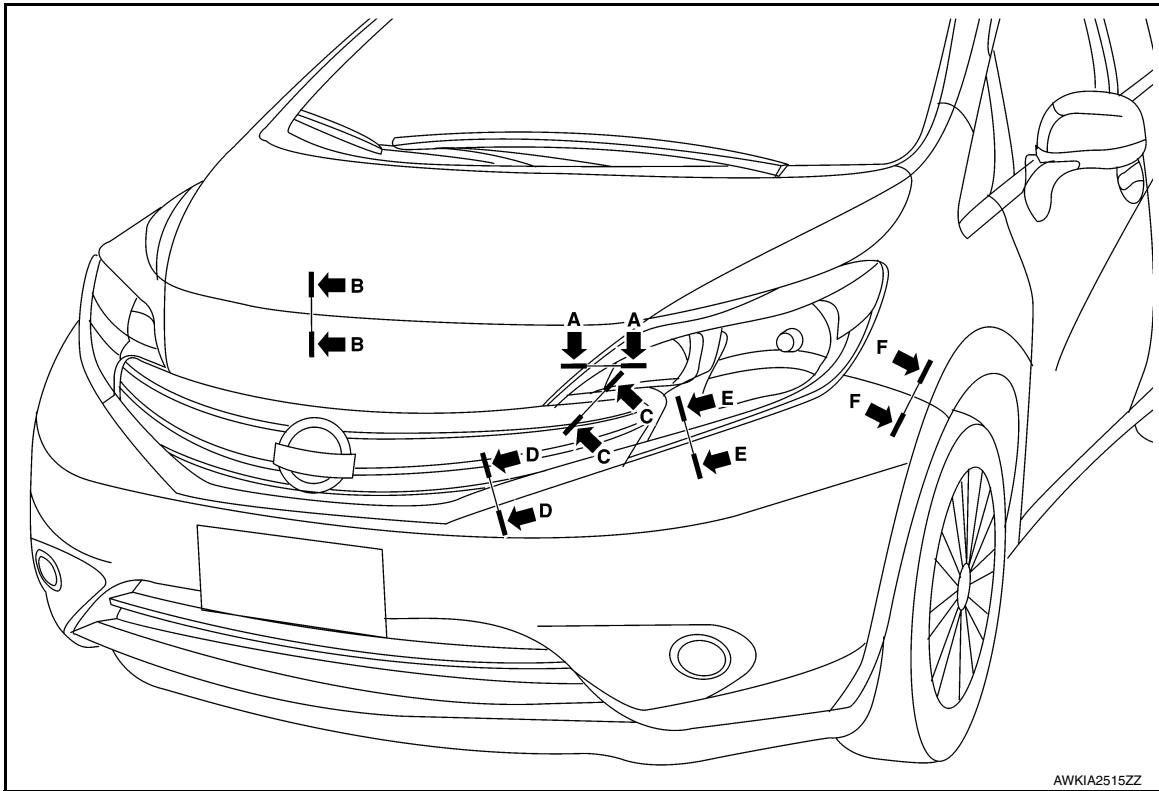
Tighten the front bumper reinforcement nuts to specification (if removed). Refer to [EXT-15, "Exploded View"](#).

NOTE:

- The following table shows the specified values for checking normal installation specifications.
- Fitting adjustment cannot be performed.

FRONT BUMPER

< REMOVAL AND INSTALLATION >



Section	Measurement	Minimum	Target Value	Maximum
A-A	Clearance	0.0 (0.00)	2.0 (0.08)	4.0 (0.16)
B-B	Clearance	2.4 (0.09)	4.4 (0.17)	6.4 (0.25)
B-B	Surface height	-1.5 (-0.06)	0.5 (0.02)	1.99 (0.08)
C-C	Clearance	0.0 (0.00)	2.0 (0.08)	4.0 (0.16)
D-D	Clearance	0.0 (0.00)	1.5 (0.06)	3.0 (0.12)
D-D	Surface height	0.0 (0.00)	1.5 (0.06)	3.0 (0.12)
E-E	Clearance	0.01 (0.00)	2.0 (0.08)	4.0 (0.16)
F-F	Clearance	0.1 (0.00)	0.3 (0.01)	1.0 (0.04)
F-F	Surface height	-0.1 (0.00)	0.7 (0.03)	1.7 (0.07)

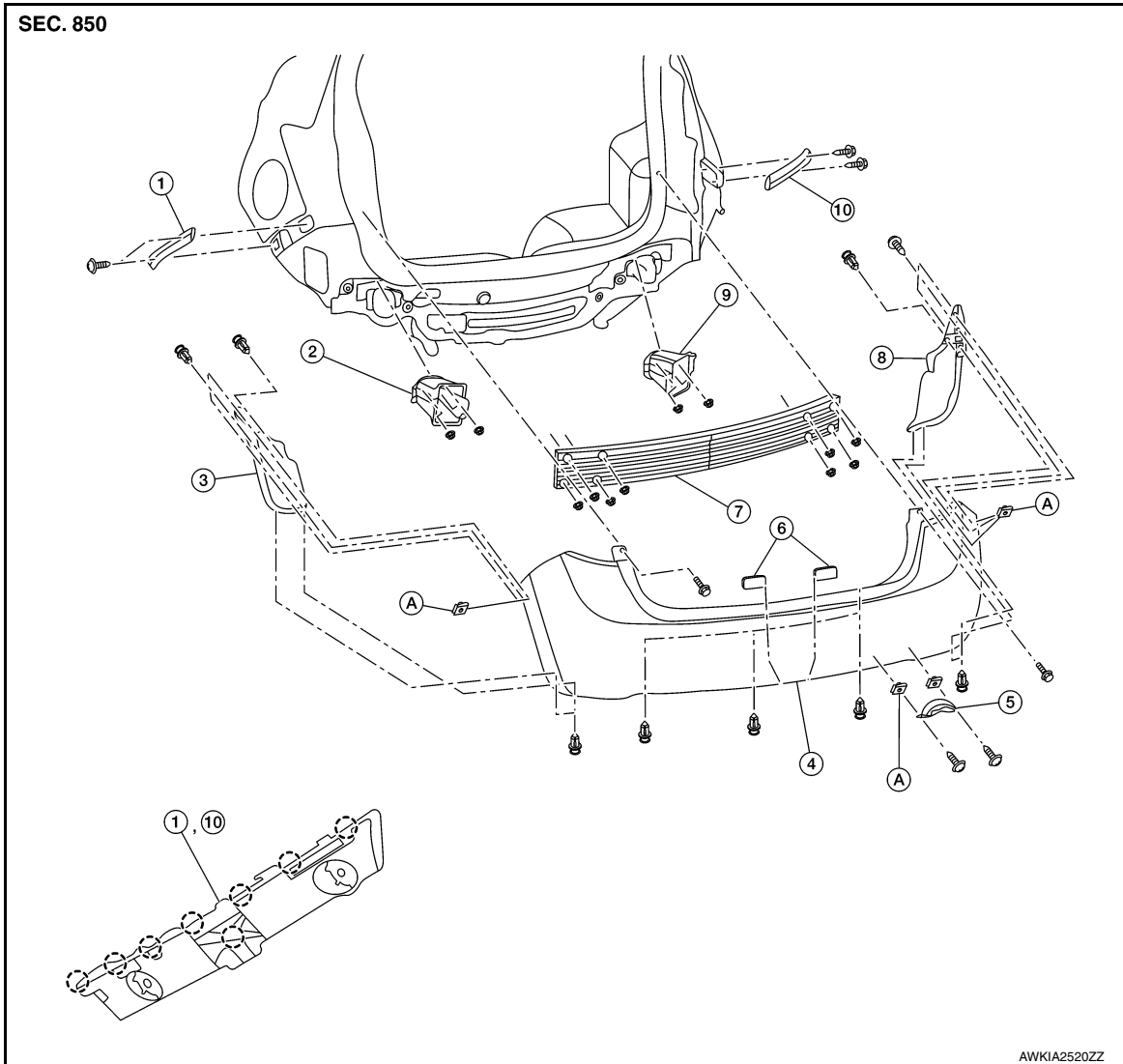
REAR BUMPER

< REMOVAL AND INSTALLATION >

REAR BUMPER

Exploded View

INFOID:000000009015850



- | | | |
|--|---|---|
| 1. Rear bumper fascia side bracket (LH) | 2. Rear bumper reinforcement support (LH) | 3. Rear bumper closing (LH) |
| 4. Rear bumper fascia | 5. Rear bumper finisher | 6. Rear bumper fascia spacer |
| 7. Rear bumper reinforcement | 8. Rear bumper closing (RH) | 9. Rear bumper reinforcement support (RH) |
| 10. Rear bumper fascia side bracket (RH) | A. J nut | ○ Pawl |

Removal and Installation

INFOID:000000009015851

CAUTION:

Bumper fascia is made of resin. Use care when handling to prevent damage. Avoid contact with oily substances.

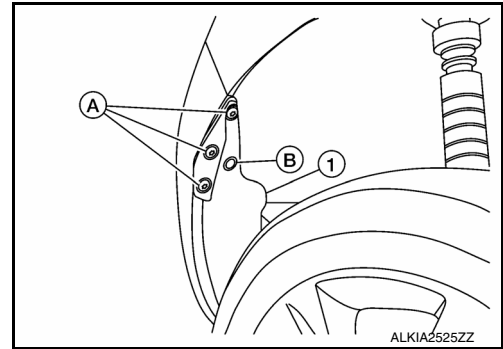
REMOVAL

1. Remove rear combination lamps (LH/RH). Refer to [EXL-115, "Removal and Installation"](#).

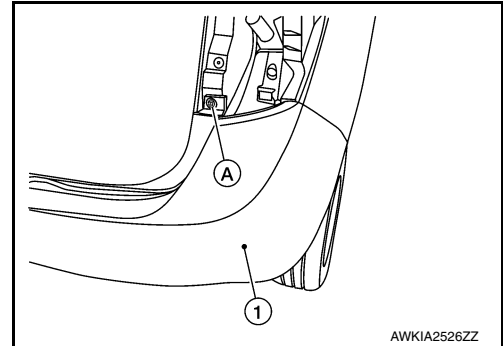
REAR BUMPER

< REMOVAL AND INSTALLATION >

2. Remove screws (A) and clip (B) from rear bumper closings (1) (LH/RH).



3. Remove the rear bumper fascia upper bolt (A) (LH/RH) from each side of the rear bumper fascia (1).

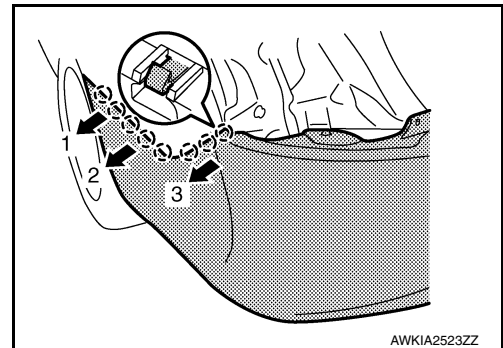


4. Remove rear bumper fascia lower clips.
5. Remove the rear bumper fascia from the rear bumper fascia side brackets (LH/RH) by releasing the pawls as shown.

(○): Pawl

CAUTION:

When removing rear bumper fascia, two people are required to avoid damaging.



6. Remove the following parts after removing rear bumper fascia (if necessary).
 - Two clips each and rear bumper closings (LH/RH)
 - Two screws and rear bumper finisher
 - Rear bumper fascia spacers
 - Two bolts each and rear bumper side brackets (LH/RH)
7. Remove rear bumper reinforcement nuts and rear bumper reinforcement (if necessary).
8. Remove rear bumper reinforcement support nuts from each and the rear bumper reinforcement supports (LH/RH) (if necessary).

INSTALLATION

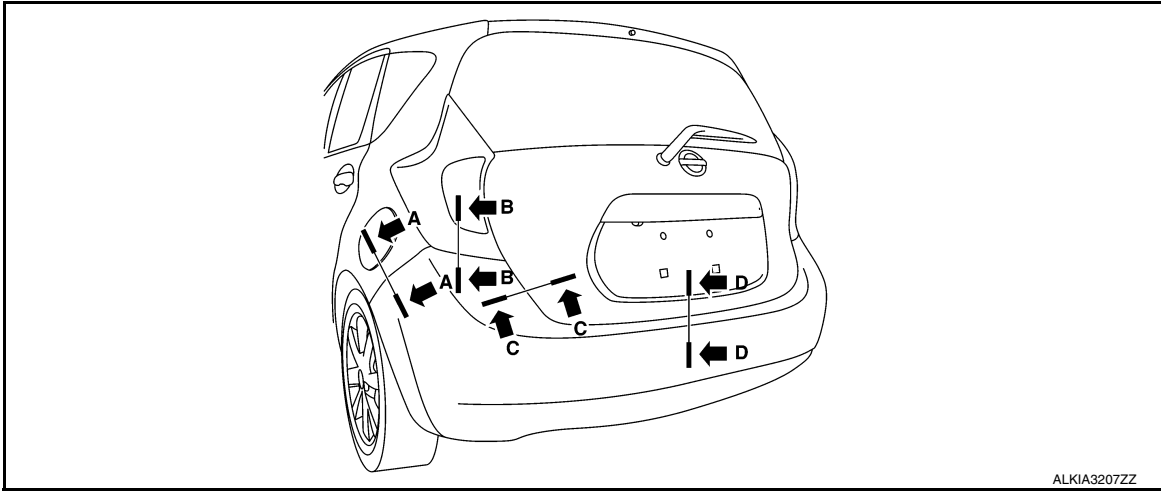
Installation is in the reverse order of removal.

NOTE:

- The following table shows the specified values for checking normal installation specifications.
- Fitting adjustment cannot be performed.

REAR BUMPER

< REMOVAL AND INSTALLATION >



Section	Measurement	Minimum	Target Value	Maximum
A-A	Clearance	0.1 (0.00)	0.3 (0.01)	1.0 (0.04)
B-B	Clearance	0.0 (0.00)	1.5 (0.06)	3.5 (0.14)
B-B	Surface height	-1.5 (-0.06)	0.5 (0.02)	2.5 (0.10)
C-C	Clearance	3.0 (0.12)	5.0 (0.20)	7.0 (0.28)
C-C	Surface height	-2.0 (-0.08)	-1.5 (-0.06)	3.5 (0.14)
D-D	Clearance	5.0 (0.20)	7.0 (0.28)	9.0 (0.35)

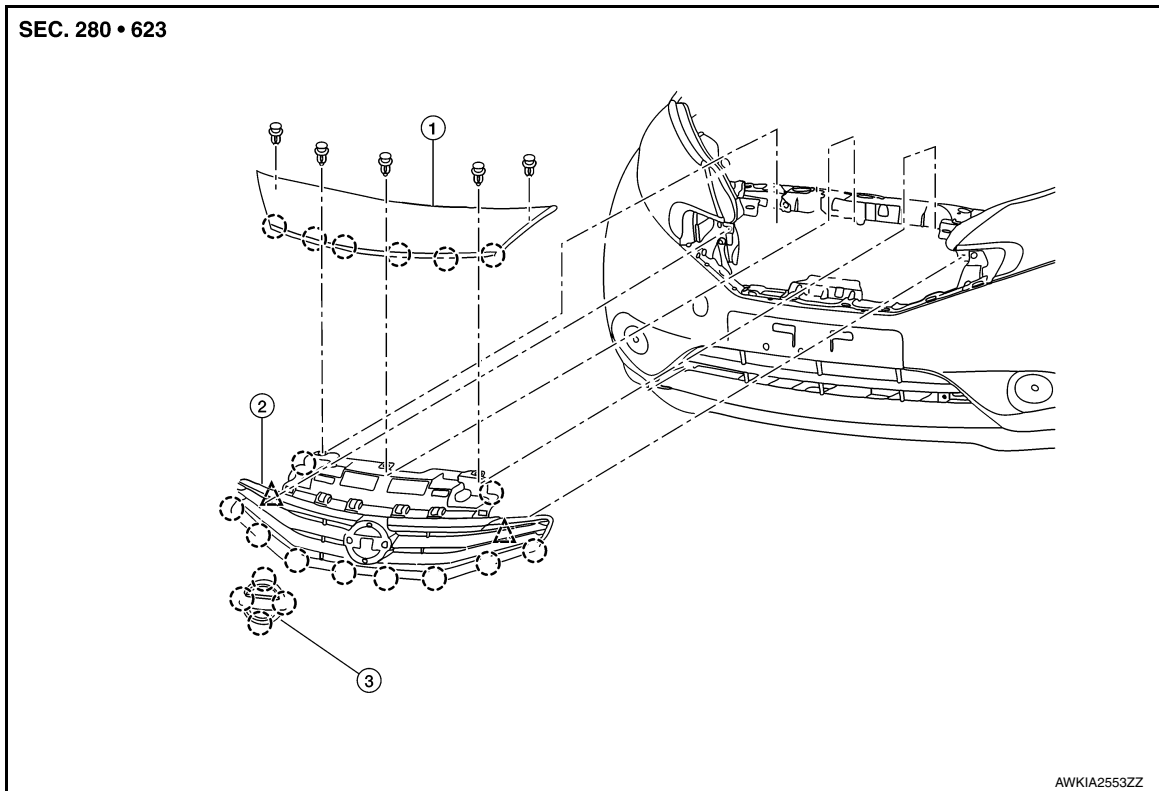
FRONT GRILLE

< REMOVAL AND INSTALLATION >

FRONT GRILLE

Exploded View

INFOID:000000009015852



1. Front grille finisher

○ Pawl

2. Front grille

△ Clip

3. Front emblem

Removal and Installation

INFOID:000000009015853

EXT

REMOVAL

1. Remove the front grille finisher clips.
2. Release pawls using a suitable tool and remove the front grille finisher.
3. Release the clips using a suitable tool, then pull the front grille away from vehicle to release pawls and remove.
4. Release pawls and remove front emblem from front grille (if necessary).

INSTALLATION

Installation is in the reverse order of removal.

COWL TOP

< REMOVAL AND INSTALLATION >

Removal and Installation

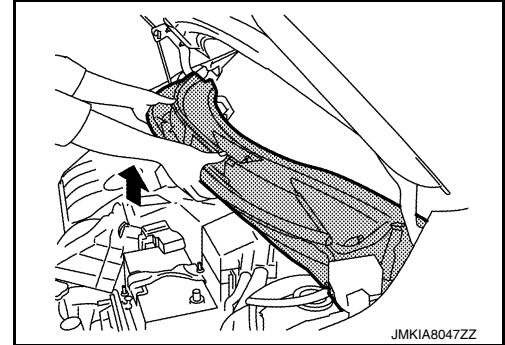
INFOID:00000000901587

REMOVAL

1. Remove front wiper arms (LH/RH). Refer to [WW-58, "Removal and Installation"](#).
2. Remove cowl top side covers (LH/RH).
3. Remove cowl top cover clips.
4. Pull forward to release cowl top cover from windshield.

CAUTION:

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



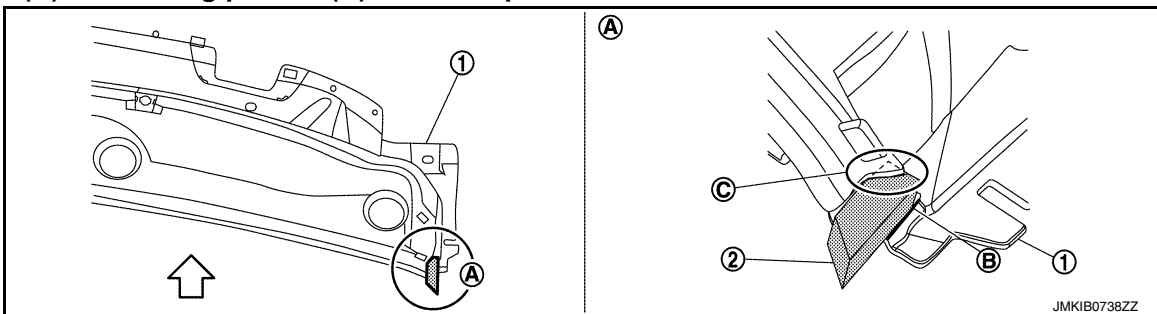
5. Disconnect the washer tube connector and harness clips.
6. Remove cowl top cover.
7. Remove the following parts after removing cowl top cover (if necessary).
 - EPT seals
 - Cowl top cover seal
 - Washer tube
 - Washer nozzles (LH/RH). Refer to [WW-55, "WASHER NOZZLE : Removal and Installation"](#).

INSTALLATION

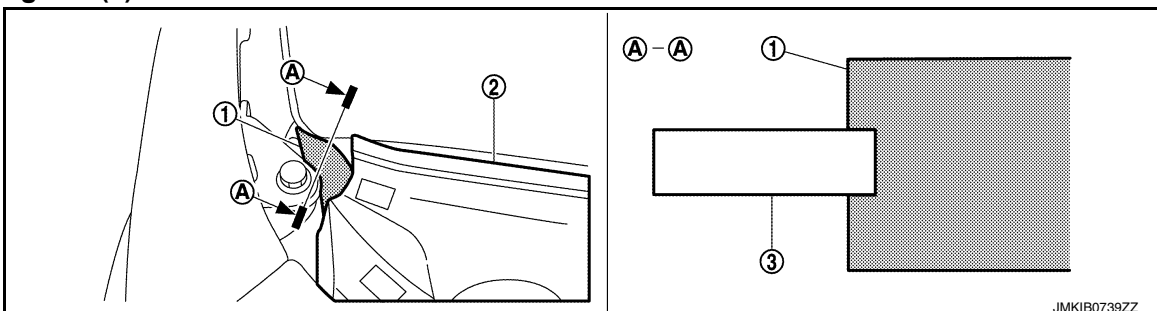
Installation is in the reverse order of removal.

CAUTION:

- Always replace EPT seals with new ones when reusing the cowl top cover.
- When installing EPT seal (2) of portion (A) on cowl top cover (1), install EPT seal by aligning to the line of (B) and setting portion (C) in cowl top cover.



- After installing cowl top cover (2), check that side surface of EPT seal (1) makes contact with windshield glass (3).



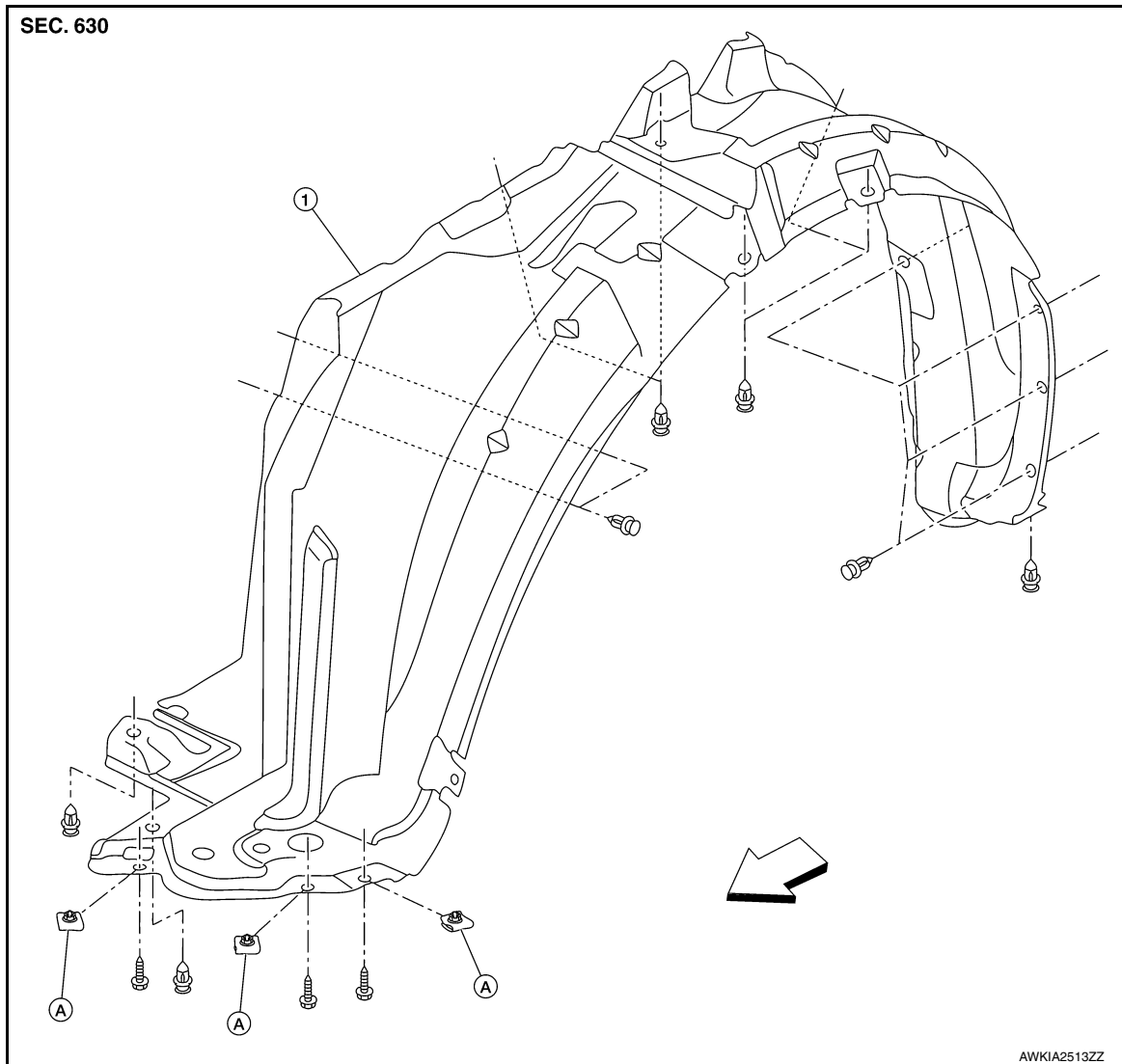
FENDER PROTECTOR

< REMOVAL AND INSTALLATION >

FENDER PROTECTOR

Exploded View

INFOID:000000009015858



1. Front fender protector

A. J nut

⇐ Front

Removal and Installation

INFOID:000000009444684

REMOVAL

1. Remove fender protector screws and clips.
2. Remove fender protector.

INSTALLATION

Installation is in the reverse order of removal.

UNDER COVER

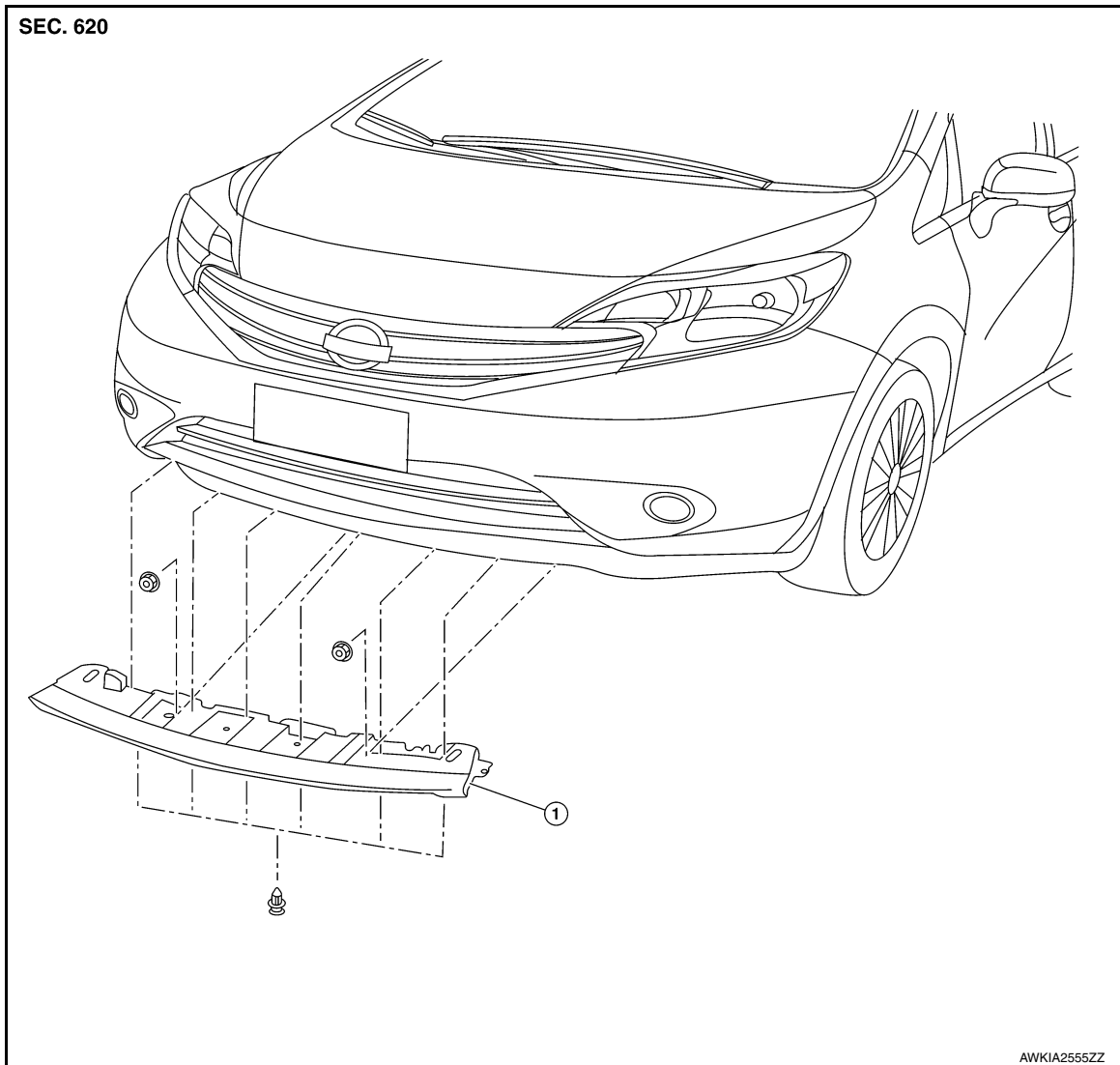
< REMOVAL AND INSTALLATION >

UNDER COVER

FRONT UNDER COVER

FRONT UNDER COVER : Exploded View

INFOID:000000009444682



1. Front under cover

FRONT UNDER COVER : Removal and Installation

INFOID:000000009444683

REMOVAL

1. Remove the front bumper fascia. Refer to [EXT-16, "Removal and Installation"](#).
2. Remove the front under cover clips and nuts.
3. Slide the front under cover forward slightly to release pawls and to allow clearance of studs, then remove the front under cover.

INSTALLATION

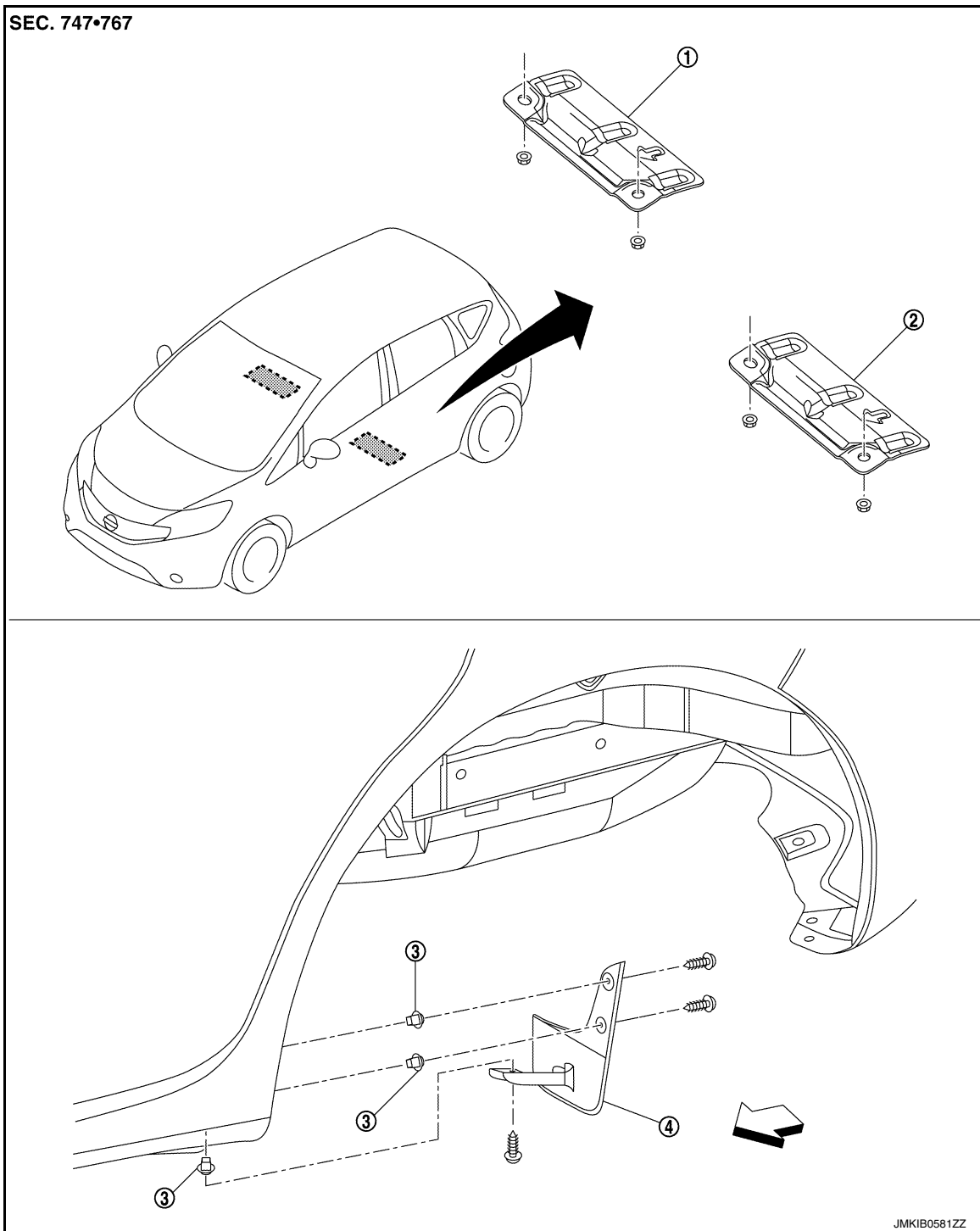
Installation is in the reverse order of removal.

UNDER COVER

< REMOVAL AND INSTALLATION >

Exploded View

INFOID:000000009645124



- | | | |
|--------------------------------|--------------------------------|------------|
| 1. Rear floor under cover (RH) | 2. Rear floor under cover (LH) | 3. Grommet |
| 4. Rear wind deflector | ⇐ Front | |

FLOOR UNDER COVER

FLOOR UNDER COVER : Removal and Installation

INFOID:000000009645125

REMOVAL

Remove the rear floor under cover nuts and the rear floor under cover.

UNDER COVER

< REMOVAL AND INSTALLATION >

INSTALLATION

Installation is in the reverse order of removal.

REAR WIND DEFLECTOR

REAR WIND DEFLECTOR : Removal and Installation

INFOID:0000000009645126

REMOVAL

Remove the rear wind deflector screws and the rear wind deflector.

INSTALLATION

Installation is in the reverse order of removal.

A

B

C

D

E

F

G

H

I

J

EXT

L

M

N

O

P

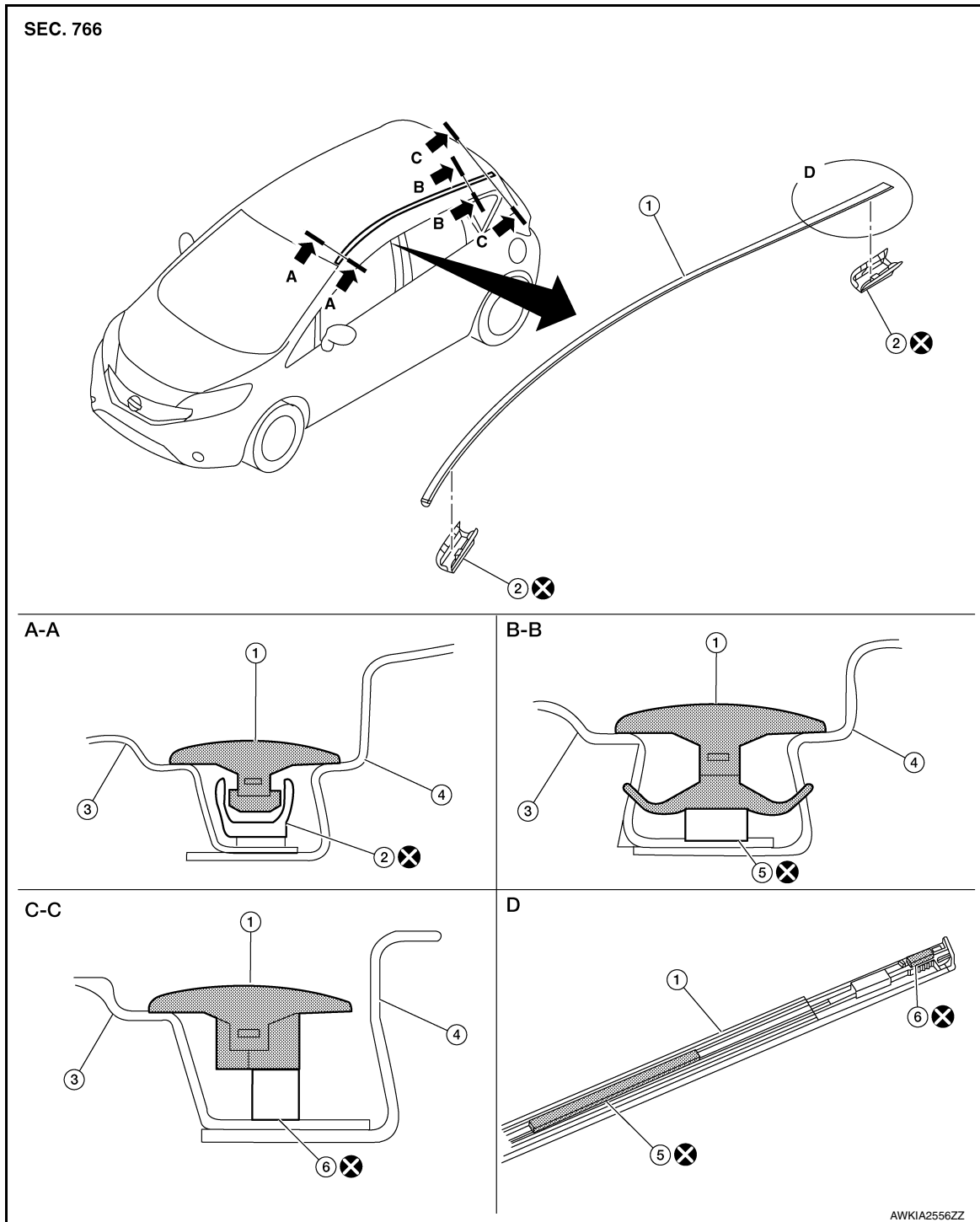
ROOF SIDE MOLDING

< REMOVAL AND INSTALLATION >

ROOF SIDE MOLDING

Exploded View

INFOID:000000009015860



Removal and Installation

INFOID:000000009015861

ROOF SIDE MOLDING

Revision: April 2013

EXT-28

2014 Note

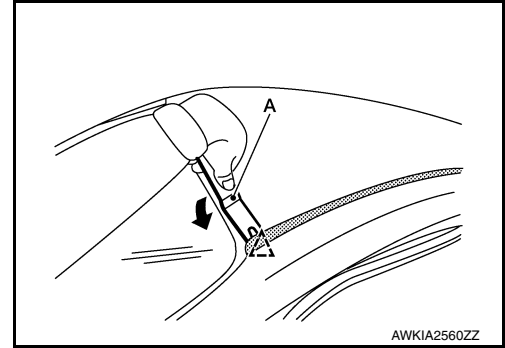
ROOF SIDE MOLDING

< REMOVAL AND INSTALLATION >

Removal

Lift using a suitable tool (A), then pull the roof side molding from the roof panel, starting from the front of vehicle and moving toward the rear.

△: Clip



Installation

Installation is in the reverse order of removal.

CAUTION:

Replace the double-sided tape on the back surface with new double-sided tape when reusing the roof side molding.

ROOF SIDE MOLDING CLIP

Removal

1. Remove roof side molding.
2. Heat double sided tape using a suitable tool, then remove roof side molding clips using a suitable tool.

CAUTION:

Use care not to damage the body paint.

Installation

1. Clean tape removed surface with a shop cloth soaked in white gasoline or IPA.
2. Use two-part epoxy adhesive.

Adhesive : 3M-weld DP-100 or equivalent

3. Apply adhesive evenly to clip tape surface.

Thickness : Approximately 0.5 mm (0.02 in)

4. Position clip to the proper location, then sufficiently press-fit until the adhesive protrudes to tape side.

Press-fit limit : 19.6 N (2.0 Kg - 4.41 lb) × 2 seconds

5. Tape clips after press fit to temporarily hold for specified time based on the following conditions.

5 to 10 °C (41 to 50 °F) : 1 hour or more

11 to 23 °C (52 to 73 °F) : 30 minutes or more

24 °C or more (75 °F or more) : 15 minutes or more

6. Install roof side molding from rear of vehicle to front after removing the temporary hold tape.

CAUTION:

- When installing roof side molding, check that the molding is securely inserted into the clips.
- Do not wash the vehicle within 24 hours so as to keep adhesive dry.

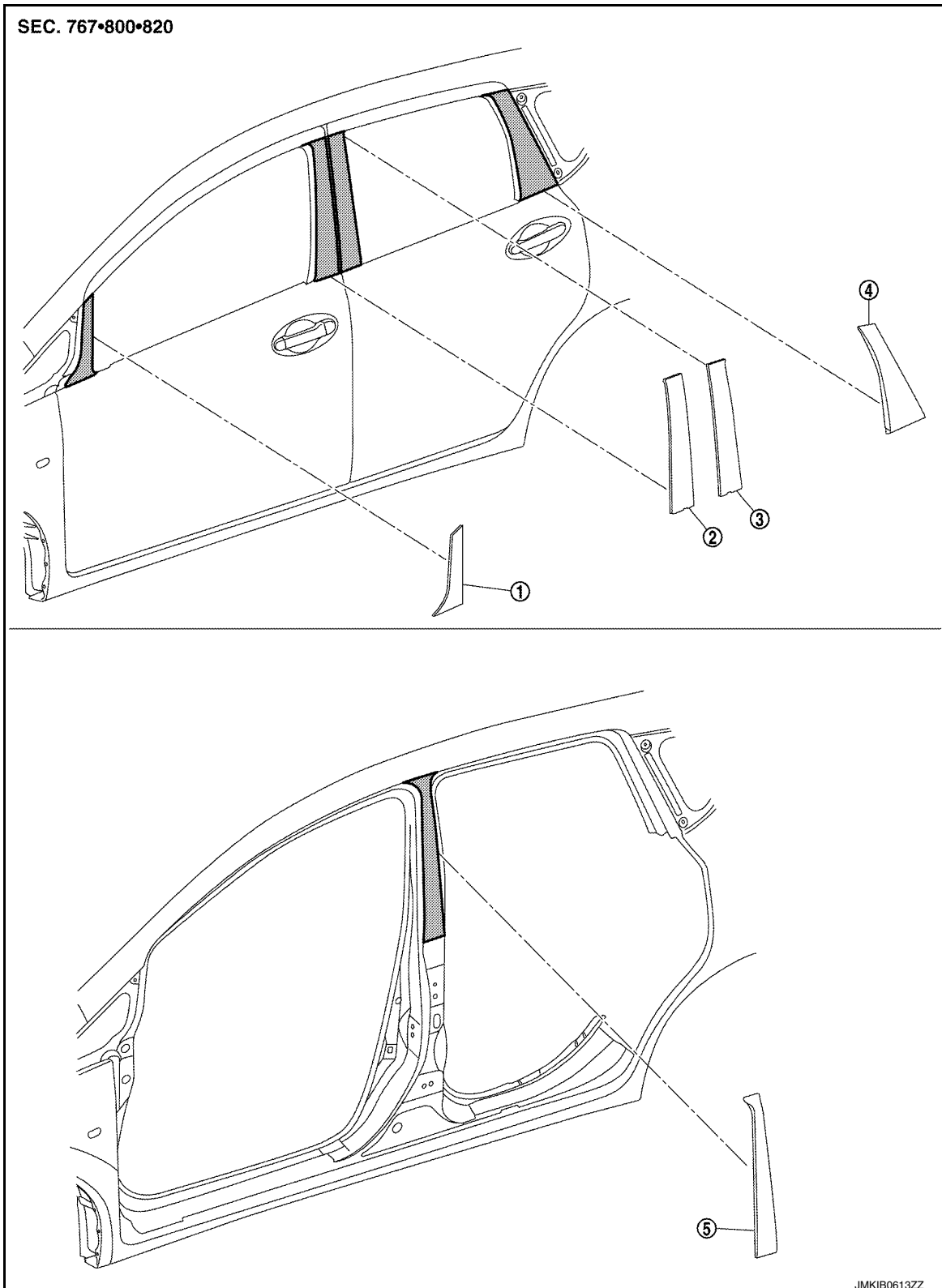
DOOR SASH TAPE

< REMOVAL AND INSTALLATION >

DOOR SASH TAPE

Exploded View

INFOID:000000009015862



DOOR SASH TAPE

< REMOVAL AND INSTALLATION >

Removal and Installation

INFOID:000000009645128

REMOVAL

Heat door sash tape surface using a suitable tool and remove door sash tape.

CAUTION:

Use care not to damage body paint.

INSTALLATION

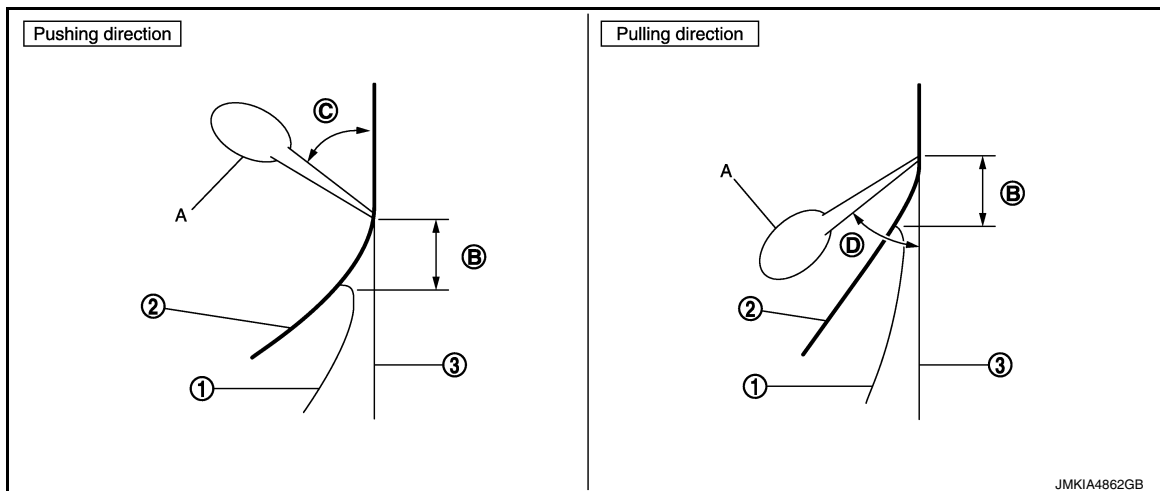
CAUTION:

- Degrease door assembly surface for sash tape.
- Grit or dust on surface of sash tape may spoil exterior appearance if not removed. Clean the surface and check that no grit or dust remains before starting the operation.
- Do not reuse blackout tape.

1. Affix door sash tape (2) to door panel (3) by applying pressure using a squeegee (A) while peeling off release coated paper (1).

NOTE:

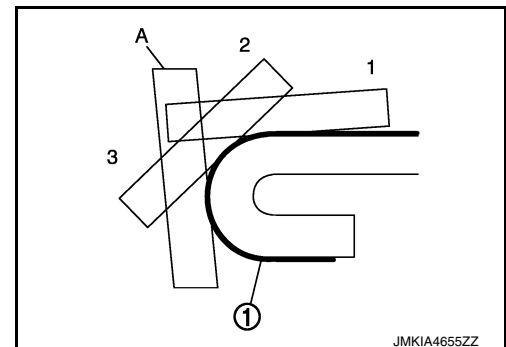
- Peel release coated paper at distance of 10 – 20 mm (0.4 – 0.8 in) ahead (B) of squeegee and affix blackout paper.
- To prevent any bubbles from forming, slightly lift the portion not yet affixed using a squeegee, so that portion does not contact with panel surface. Apply pressure and affix at a low and constant speed using squeegee tilted at 40 – 50° angle (pushing direction) (C) 30 – 45° angle (pulling direction) (D).



2. For small radius portion of hemming part, gradually apply pressure and affix door sash tape (1) using squeegee (A) as shown.

CAUTION:

Do not wash the vehicle with in 24 hours so as to keep adhesive dry.



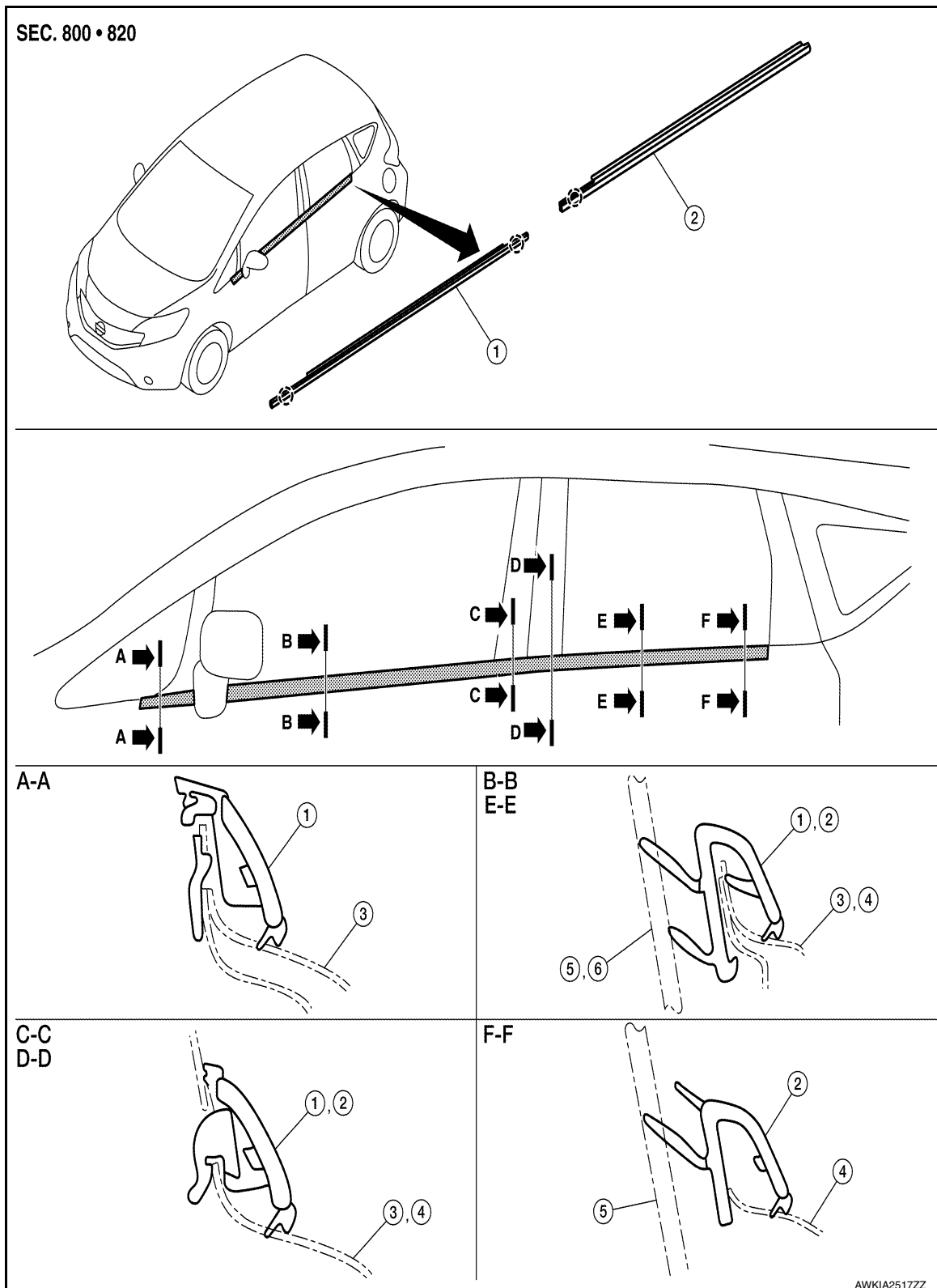
DOOR OUTSIDE MOLDING

< REMOVAL AND INSTALLATION >

DOOR OUTSIDE MOLDING

Exploded View

INFOID:000000009015864



1. Front door outside molding

2. Rear door outside molding

3. Front door panel

DOOR OUTSIDE MOLDING

< REMOVAL AND INSTALLATION >

4. Rear door panel

5. Rear door glass

6. Front door glass



Pawl

Removal and Installation

INFOID:000000009444686

FRONT DOOR OUTSIDE MOLDING

Removal

1. Lower front door glass fully.
2. Release the pawls using a suitable tool, then rotate front door outside molding toward the outside of the vehicle and lift up to remove.

Installation

Installation is in the reverse order of removal.

REAR DOOR OUTSIDE MOLDING

Removal

1. Lower rear door glass fully.
2. Release the pawl using a suitable tool, then rotate rear door outside molding toward the outside of the vehicle and lift up to remove.

Installation

Installation is in the reverse order of removal.

A

B

C

D

E

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EXT

L

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P

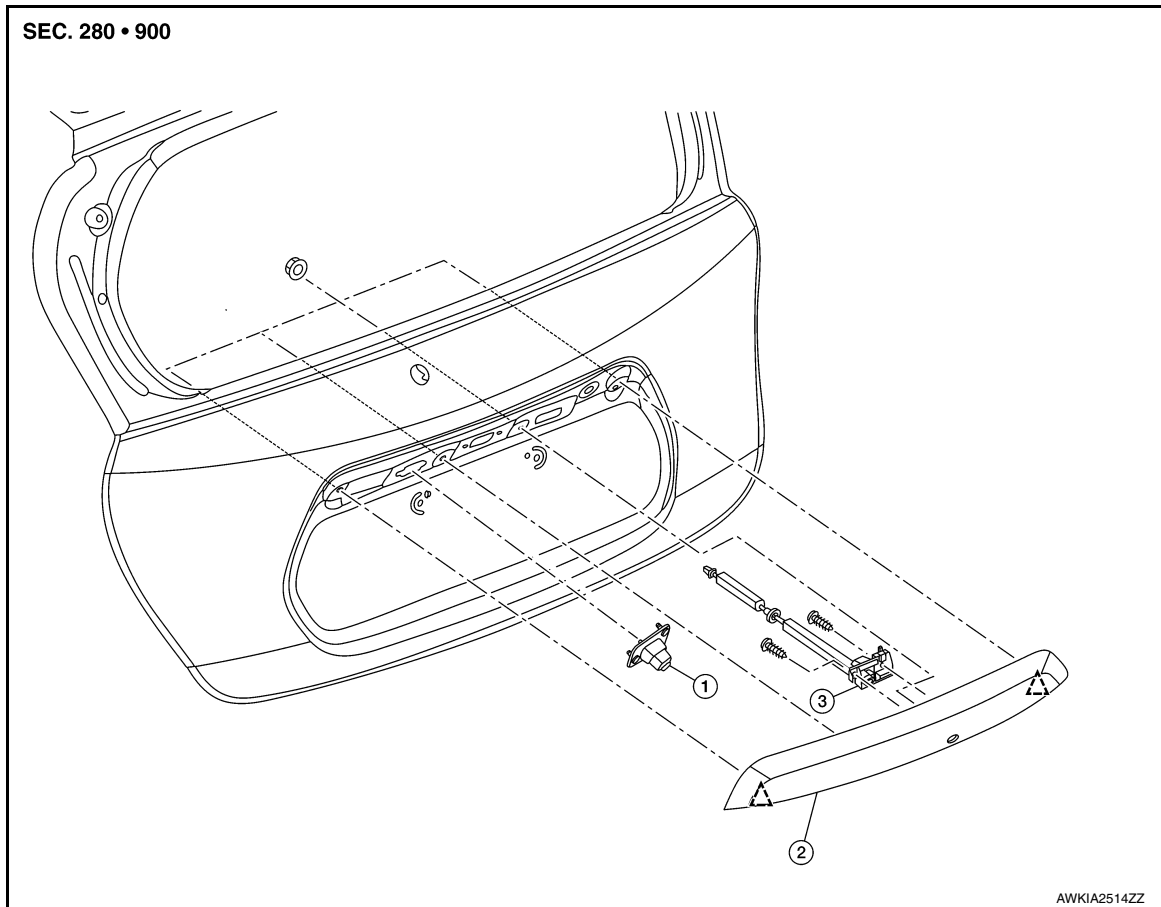
BACK DOOR FINISHER

< REMOVAL AND INSTALLATION >

BACK DOOR FINISHER

Exploded View

INFOID:000000009015865



1. Rear camera (if equipped)

2. Back door outer finisher

3. Back door request switch

△ Clip

Removal and Installation

INFOID:000000009015866

REMOVAL

1. Remove back door inner finisher. Refer to [INT-34, "BACK DOOR INNER FINISHER : Removal and Installation"](#).
2. Disconnect the harness connectors from back door request switch.
3. Remove back door outer finisher nuts.
4. Release clips and remove the back door outer finisher.
5. Remove back door request switch from the back door outer finisher (if necessary).

INSTALLATION

Installation is in the reverse order of removal.

CAUTION:

When installing back door finisher, check that clips are securely placed into body panel holes.