

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"

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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. Information necessary to service the system safely is included in the "SRS AIR BAG" and "SEAT BELT" of this Service Manual.

WARNING:

Always observe the following items for preventing accidental activation.

- To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision that 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 "SRS AIR BAG".
- Never 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:

Always observe the following items for preventing accidental activation.

- When working near the Air Bag Diagnosis Sensor Unit or other Air Bag System sensors with the ignition ON or engine running, never 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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CAUTION:

Comply with the following cautions to prevent any error and malfunction.

- Before removing and installing any control units, first turn the ignition power source and accessory power source to the OFF, then disconnect both battery cables.
- After finishing work, confirm that all control unit connectors are connected properly, then re-connect both battery cables.
- Always use CONSULT to perform self-diagnosis as a part of each function inspection after finishing work. If a DTC is detected, perform trouble diagnosis according to self-diagnosis results.

For vehicle with steering lock unit, if the battery is disconnected or discharged, the steering wheel will lock and cannot be turned.

If turning the steering wheel is required with the battery disconnected or discharged, follow the operation 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. Open driver door.
3. Turn the ignition switch to the ON position.
(At this time, the steering lock will be released.)
4. Turn the ignition switch to OFF position with driver door open.
5. Wait for 3 minutes or longer with driver door open.

NOTE:

- Do not close driver door because the steering wheel locks when driver door is closed.

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PRECAUTIONS

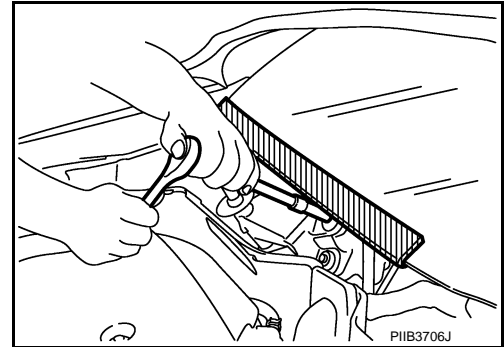
< PRECAUTION >

- The auto acc function is adapted to this vehicle. For this reason, even when the ignition switch is turned to OFF position, the accessory power source does not turned OFF and continues to be supplied for a certain amount of time.
6. Disconnect both battery cables. The steering lock will remain released with both battery cables disconnected and the steering wheel can be turned.
 7. Perform the necessary repair operation.
 8. When the repair work is completed, re-connect both battery cables. With the brake pedal released, turn the ignition switch from OFF position to ON position, then to LOCK position. (The steering wheel will lock when the ignition switch is turned to LOCK position.)
 9. Perform self-diagnosis check of all control units using CONSULT.

Precaution for Procedure without Cowl Top Cover

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



Precautions for Removing Battery Terminal

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- With the adoption of Auto ACC function, ACC power is automatically supplied by operating the intelligent key or remote keyless entry or by opening/closing the driver side door. In addition, ACC power is supplied even after the ignition switch is turned to the OFF position, i.e. ACC power is supplied for a certain fixed time.
- When disconnecting the 12V battery terminal, turn off the ACC power before disconnecting the 12V battery terminal, observing "How to disconnect 12V battery terminal" described below.

NOTE:

Some ECUs operate for a certain fixed time even after ignition switch is turned OFF and ignition power supply is stopped. If the battery terminal is disconnected before ECU stops, accidental DTC detection or ECU data damage may occur.

- For vehicles with the 2-batteries, be sure to connect the main battery and the sub battery before turning ON the ignition switch.

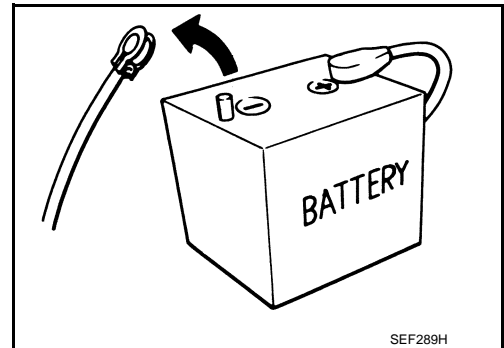
NOTE:

If the ignition switch is turned ON with any one of the terminals of main battery and sub battery disconnected, then DTC may be detected.

- After installing the 12V battery, always check "Self Diagnosis Result" of all ECUs and erase DTC.

NOTE:

The removal of 12V battery may cause a DTC detection error.



HOW TO DISCONNECT 12V BATTERY TERMINAL

Disconnect 12V battery terminal according to Instruction 1 or Instruction 2 described below.

For vehicles parked by ignition switch OFF, refer to Instruction 2.

INSTRUCTION 1

1. Open the hood.
2. Turn key switch to the OFF position with the driver side door opened.
3. Get out of the vehicle and close the driver side door.
4. Wait at least 3 minutes. For vehicle with the engine listed below, remove the battery terminal after a lapse of the specified time.

D4D engine : 20 minutes

HRA2DDT : 12 minutes

PRECAUTIONS

< PRECAUTION >

- K9K engine : 4 minutes
- M9R engine : 4 minutes
- R9M engine : 4 minutes
- V9X engine : 4 minutes

CAUTION:

While waiting, never operate the vehicle such as locking, opening, and closing doors. Violation of this caution results in the activation of ACC power supply according to the Auto ACC function.

5. Remove 12V battery terminal.

CAUTION:

After installing 12V battery, always check self-diagnosis results of all ECUs and erase DTC.

INSTRUCTION 2 (FOR VEHICLES PARKED BY IGNITION SWITCH OFF)

1. Unlock the door with intelligent key or remote keyless entry.

NOTE:

At this moment, ACC power is supplied.

2. Open the driver side door.
3. Open the hood.
4. Close the driver side door.
5. Wait at least 3 minutes.

CAUTION:

While waiting, never operate the vehicle such as locking, opening, and closing doors. Violation of this caution results in the activation of ACC power supply according to the Auto ACC function.

6. Remove 12V battery terminal.

CAUTION:

After installing 12V battery, always check self-diagnosis results of all ECUs and erase DTC.

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PREPARATION

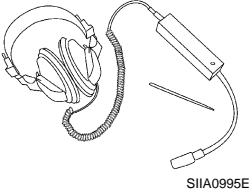
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PREPARATION

PREPARATION

Commercial Service Tools

INFOID:0000000010787432

Tool name	Description
<div>Engine ear</div> <div></div>	<div>Locates the noise</div>

SQUEAK AND RATTLE TROUBLE DIAGNOSES

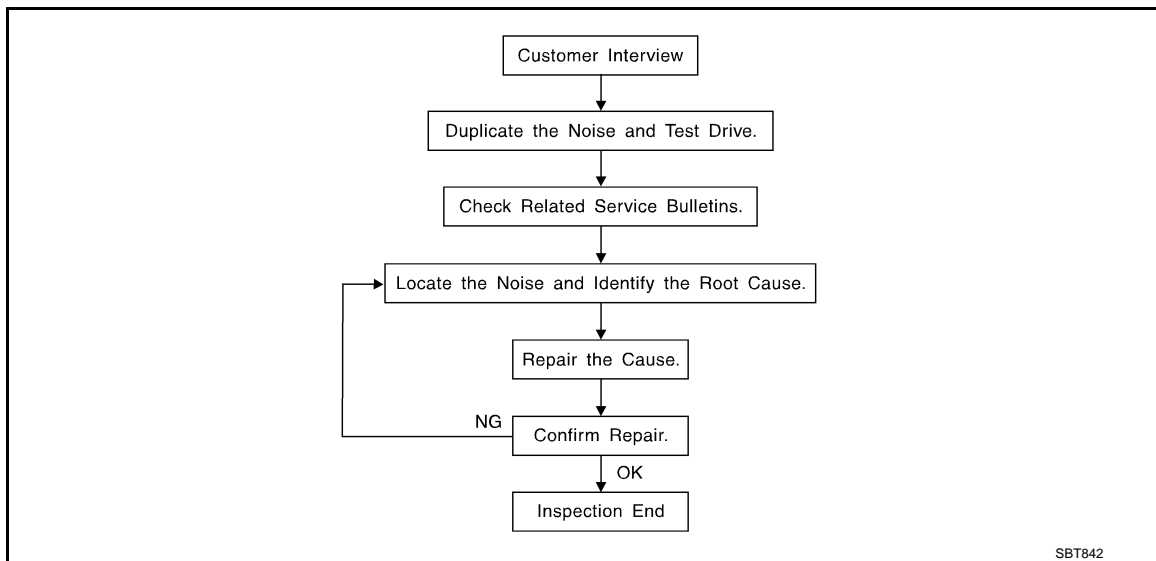
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SYMPTOM DIAGNOSIS

SQUEAK AND RATTLE TROUBLE DIAGNOSES

Work Flow

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CUSTOMER INTERVIEW

Interview the customer if possible, to determine the conditions that exist when the noise occurs. Use the Diagnostic Worksheet during the interview to document the facts and conditions when the noise occurs and any of the customer's comments; refer to [EXT-11, "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 a test drive 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 a technician 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 the repair is reconfirmed.

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

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

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 (Engine Ear or 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 is are suspected to be the cause of the noise.
Do not use too much force when removing clips and fasteners, otherwise clips and fastener can be broken or lost during the repair, resulting in the creation of new noise.
 - Tapping or pushing/pulling the component that is are suspected to be the cause of 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 by hand by touching the component(s) that is are suspected to be the cause of the noise.
 - Placing a piece of paper between components that is are suspected to be the cause of the noise.
 - Looking for loose components and contact marks.
Refer to [EXT-9. "Inspection Procedure"](#).

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. These insulators are available through the authorized Nissan Parts Department.

CAUTION:

Never use excessive force as many components are constructed of plastic and may be damaged.

NOTE:

- URETHANE PADS
Insulates connectors, harness, etc.
- INSULATOR (Foam blocks)
Insulates components from contact. Can be used to fill space behind a panel.
- INSULATOR (Light foam block)
- FELT CLOTHTAPE
Used to insulate where movement does not occur. Ideal for instrument panel applications.
The following materials, not available through NISSAN Parts Department, 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 is be visible or does not fit.
Note: Will only last a few months.
- SILICONE SPRAY
Used when grease cannot be applied.
- DUCT TAPE
Used to eliminate movement.

CONFIRM THE REPAIR

SQUEAK AND RATTLE TROUBLE DIAGNOSES

< SYMPTOM DIAGNOSIS >

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.

Inspection Procedure

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

INSTRUMENT PANEL

Most incidents are caused by contact and movement between:

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

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

CAUTION:

Never use silicone spray to isolate a squeak or rattle. If the area is saturated with silicone, the recheck of repair becomes impossible.

CENTER CONSOLE

Components to pay attention to include:

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

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

DOORS

Pay attention to the following:

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. The areas can usually be insulated with felt cloth tape or insulator foam blocks to repair the noise.

TRUNK

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

In addition look for the following:

1. Trunk lid dumpers out of adjustment
2. Trunk lid striker out of adjustment
3. 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. Sunvisor shaft shaking in the holder
3. Front or rear windshield touching headlining and squeaking

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SQUEAK AND RATTLE TROUBLE DIAGNOSES

< SYMPTOM DIAGNOSIS >

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

SEATS

When isolating seat noise it is important to note the position the seat is in and the load placed on the seat when the noise occurs. 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. 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 mounted to the engine wall
2. Components that pass through the engine wall
3. Engine wall mounts and connectors
4. Loose radiator mounting pins
5. Hood bumpers out of adjustment
6. Hood striker out of adjustment

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

SQUEAK AND RATTLE TROUBLE DIAGNOSES

< SYMPTOM DIAGNOSIS >

Diagnostic Worksheet

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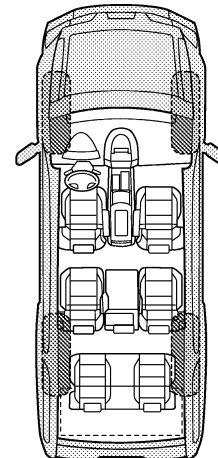
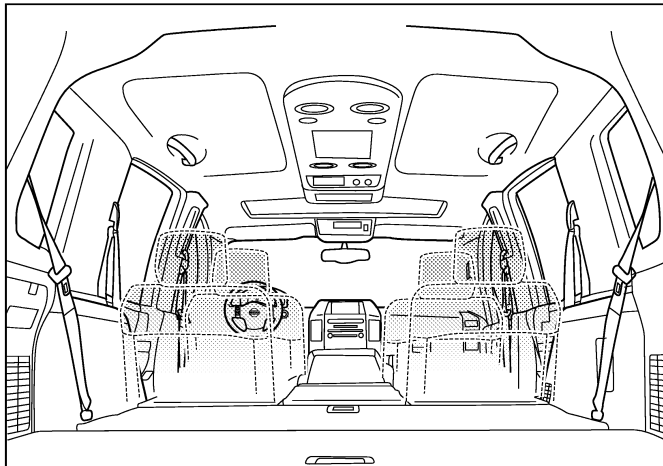
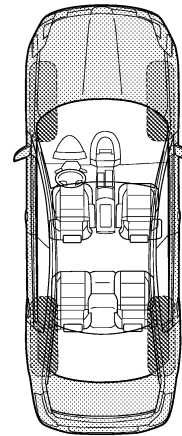
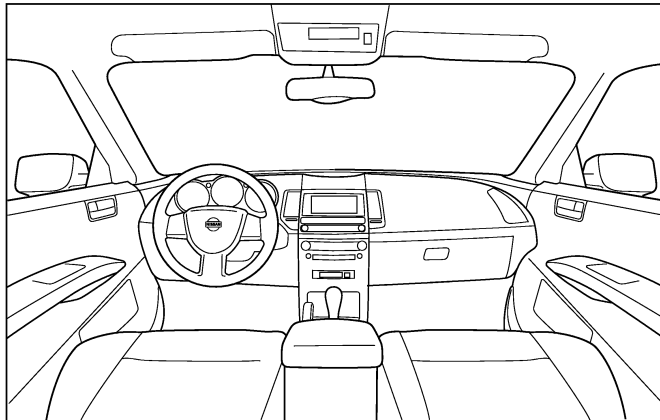
SQUEAK & RATTLE DIAGNOSTIC WORKSHEET

Dear Nissan Customer:

We are concerned about your satisfaction with your Nissan vehicle. Repairing a squeak or rattle sometimes can be very difficult. To help us fix your Nissan 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.

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

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



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

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SQUEAK AND RATTLE TROUBLE DIAGNOSES

< SYMPTOM DIAGNOSIS >

SQUEAK & RATTLE DIAGNOSTIC WORKSHEET - page 2

Briefly describe the location where the noise occurs:

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

- | | |
|---|--|
| <input type="checkbox"/> anytime | <input type="checkbox"/> after sitting out in the rain |
| <input type="checkbox"/> 1st time in the morning | <input type="checkbox"/> when it is raining or wet |
| <input type="checkbox"/> only when it is cold outside | <input type="checkbox"/> dry or dusty conditions |
| <input type="checkbox"/> only when it is hot outside | <input type="checkbox"/> other: |

III. WHEN DRIVING:

- ☐ through driveways
- ☐ over rough roads
- ☐ over speed bumps
- ☐ only about ____ mph
- ☐ on acceleration
- ☐ coming to a stop
- ☐ on turns: left, right or either (circle)
- ☐ with passengers or cargo
- ☐ other: _____
- ☐ after driving ____ miles or ____ minutes

IV. WHAT TYPE OF NOISE

- ☐ squeak (like tennis shoes on a clean floor)
- ☐ creak (like walking on an old wooden floor)
- ☐ rattle (like shaking a baby rattle)
- ☐ knock (like a knock at the door)
- ☐ tick (like a clock second hand)
- ☐ thump (heavy, muffled knock noise)
- ☐ buzz (like a bumble bee)

TO BE COMPLETED BY DEALERSHIP PERSONNEL

Test Drive Notes:

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

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

This form must be attached to Work Order

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BODY EXTERIOR PAINT COLOR

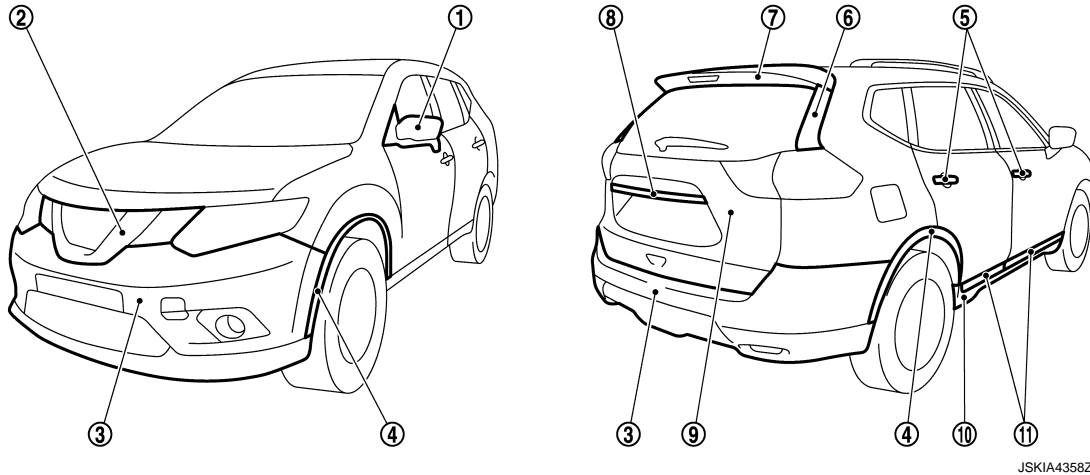
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VEHICLE INFORMATION

BODY EXTERIOR PAINT COLOR

Body Exterior Paint Color

INFOID:0000000011046231



JSKIA4358ZZ

Component		Color code	BAX6	BEAN	BEAR	BG41	BK23	BKAD	BQAB	BRAQ
		Description	Red	Dark Olive	Orange	Black	Silver	Gray	White	Dark Blue
		Paint type ^{note}	2S	2PM	2PM	2P	2M	2M	3P	2M
		Hard clear coat	×	×	×	×	—	—	—	×
①	Door mirror cover	Body color	BAX6	BEAN	BEAR	BG41	BK23	BKAD	BQAB	BRAQ
②	Front grille	Chromium plate	Cr	Cr	Cr	Cr	Cr	Cr	Cr	Cr
③	Bumper fascia	Body color	BAX6	BEAN	BEAR	BG41	BK23	BKAD	BQAB	BRAQ
④	Fillet molding	Material color	—	—	—	—	—	—	—	—
⑤	Door outside handle	Chromium plate	Cr	Cr	Cr	Cr	Cr	Cr	Cr	Cr
⑥	Rear spoiler (Side)	Black	G01	G01	G01	G01	G01	G01	G01	G01
⑦	Rear spoiler (Upper)	Body color	BAX6	BEAN	BEAR	BG41	BK23	BKAD	BQAB	BRAQ
⑧	Back door finisher	Chromium plate	Cr	Cr	Cr	Cr	Cr	Cr	Cr	Cr
⑨	Back door	Body color	BAX6	BEAN	BEAR	BG41	BK23	BKAD	BQAB	BRAQ
⑩	Sill cover	Material color	—	—	—	—	—	—	—	—
⑪	Side guard molding	Material color	—	—	—	—	—	—	—	—

NOTE:

- 2M: 2-Coat Metallic
- 2P: 2-Coat pearl
- 2S: 2-Coat solid
- 3P: 3-Coat pearl
- 2PM: 2-Coat Pearl metallic

FRONT BUMPER

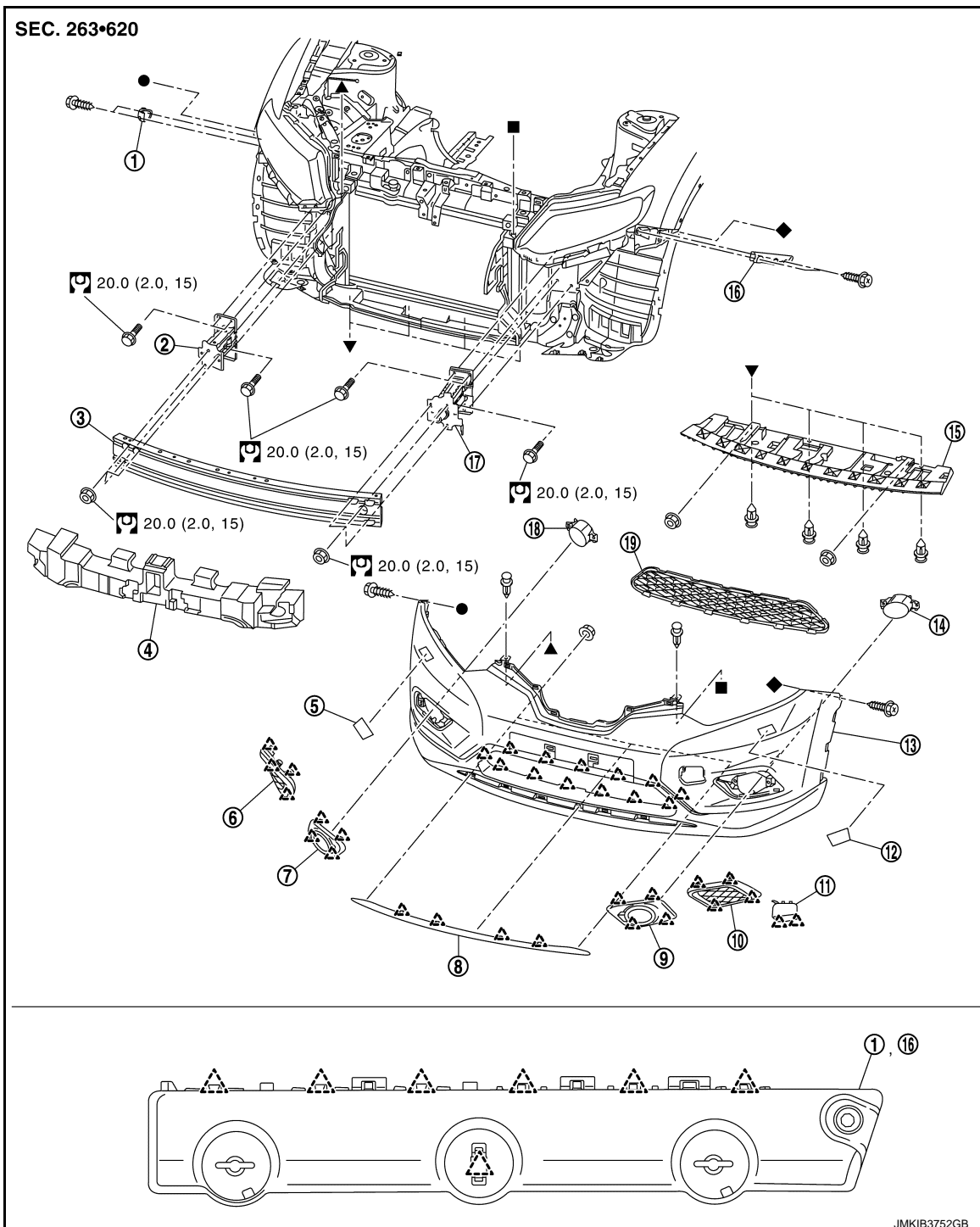
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REMOVAL AND INSTALLATION

FRONT BUMPER

Exploded View

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
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- | | | |
|--|----------------------------|---|
| ① Front bumper side bracket RH | ② Front bumper stay RH | ③ Front bumper reinforcement |
| ④ Front bumper energy absorber | ⑤ Headlamp washer cover RH | ⑥ Front bumper finisher RH (without front fog lamp) |
| ⑦ Front bumper finisher RH (with front fog lamp) | ⑧ Front bumper molding | ⑨ Front bumper finisher LH (with front fog lamp) |

FRONT BUMPER

< REMOVAL AND INSTALLATION >

- | | | |
|--|------------------------|----------------------------|
| ⑩ Front bumper finisher LH
(without front fog lamp) | ⑪ Bumper bracket cover | ⑫ Headlamp washer cover LH |
| ⑬ Front bumper fascia | ⑭ Front fog lamp LH | ⑮ Apron bracket |
| ⑯ Front bumper side bracket LH | ⑰ Front bumper stay LH | ⑱ Front fog lamp RH |
| ⑲ Front bumper grille | | |

 : Pawl

 : N·m (kg-m, ft-lb)

●, ▲, ■, ▼, ◆: Indicates that the part is connected at points with same symbol in actual vehicle.

Removal and Installation

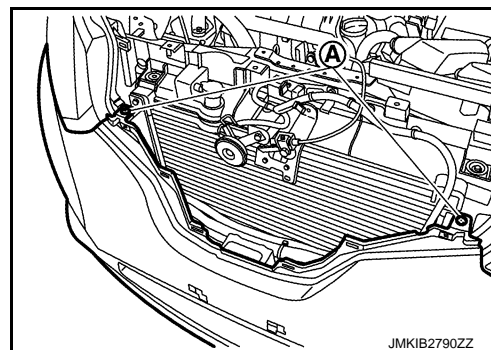
INFOID:0000000010787437

CAUTION:

Bumper fascia is made of resin. Never apply strong force to it, and be careful to prevent contact with oil.

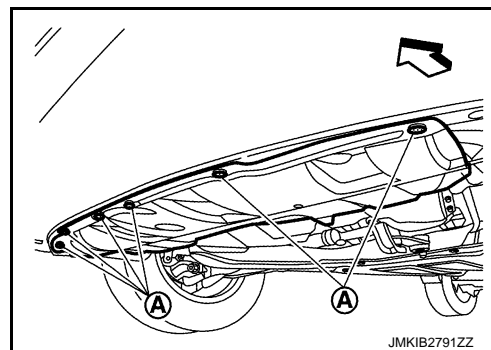
REMOVAL

1. Fully open hood assembly.
2. Remove front grille. Refer to [EXT-22. "Removal and Installation"](#).
3. Remove front bumper fascia fixing clips ① of bumper upper side.



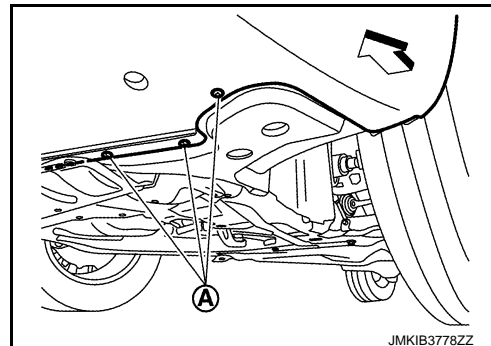
4. Remove engine under cover fixing clips ① of bumper lower side.

 : Vehicle front



5. Remove front spoiler. Refer to [EXT-28. "Removal and Installation"](#).
6. Remove front bumper fascia fixing screws ① lower side of the bumper both end.

 : Vehicle front



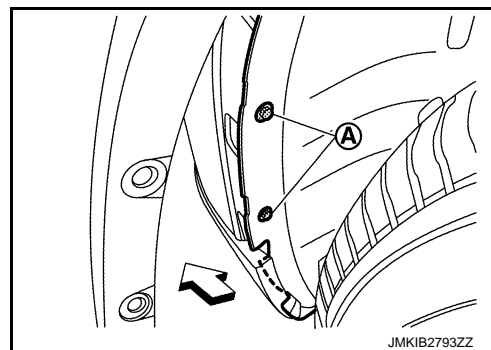
7. Remove front side of front fillet molding (LH and RH). Refer to [EXT-32. "FRONT FILLET MOLDING : Removal and Installation"](#).

FRONT BUMPER

< REMOVAL AND INSTALLATION >

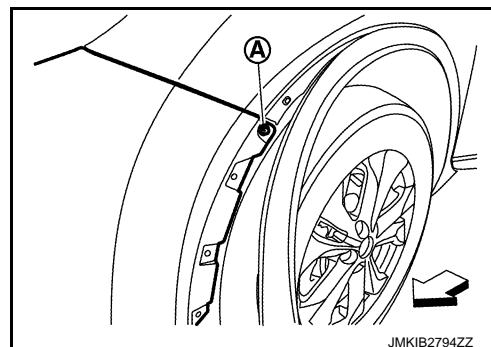
8. Remove grommet (A) front side of fender protector (LH and RH).

⇐ : Vehicle front

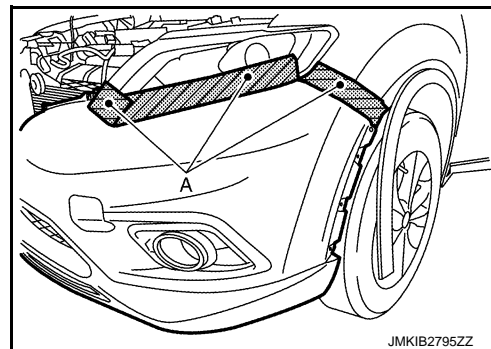


9. Remove front bumper fascia fixing screws (A) (LH and RH).

⇐ : Vehicle front



10. Apply protective tapes (A) on the part to protect it from damage.

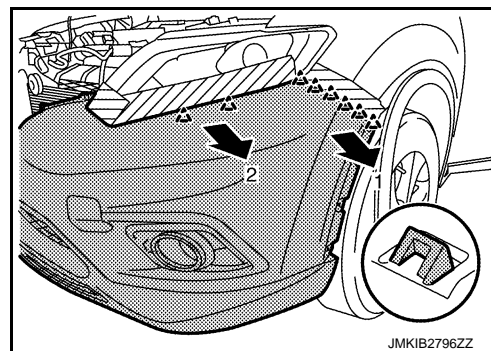


11. Pull bumper fascia side toward the vehicle side to disengage the fitting of bumper side bracket and bumper fascia side according to the numerical order 1→2 as shown by the arrows in the figure.

CAUTION:

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

△ : Pawl



12. Disconnect front fog lamp harness connectors (LH and RH). (if equipped)
13. Disconnect front sonar sensor harness connectors (LH and RH). (if equipped)
14. Disconnect headlamp washer tube connector, and then remove headlamp washer tube from washer pump. (if equipped)
15. Remove front bumper fascia assembly.
- CAUTION:**
- When removing bumper fascia assembly, 2 workers are required so as to prevent it from dropping.**
16. Remove the following parts after removing front bumper fascia assembly.
- Front fog lamp. Refer to the following. (if equipped)
 - LED HEADLAMP: Refer to [EXL-193. "Removal and Installation"](#).
 - HALOGEN HEADLAMP: Refer to [EXL-379. "Removal and Installation"](#).

FRONT BUMPER

< REMOVAL AND INSTALLATION >

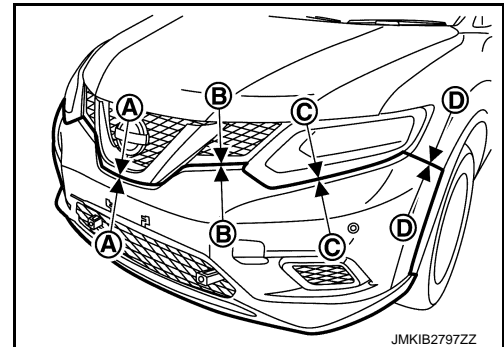
- Front sonar sensor. Refer to the following. (if equipped)
 - WITH PARK ASSIST: Refer to [SN-239, "FRONT : Removal and Installation"](#).
 - WITHOUT PARK ASSIST: Refer to [SN-113, "FRONT : Removal and Installation"](#).
 - Headlamp washer tube. Refer to [WW-107, "WASHER TUBE : Removal and Installation"](#). (if equipped)
 - Headlamp washer nozzle. Refer to [WW-105, "WASHER NOZZLE : Removal and Installation"](#). (if equipped)
 - Front bumper side bracket (LH and RH).
 - Front bumper finisher (LH and RH).
 - Front bumper grille.
 - Front bumper molding.
 - Bumper bracket cover.
17. Remove front bumper energy absorber.
 18. Remove apron bracket mounting nuts and fixing clips, and then remove apron bracket.
 19. Remove front bumper reinforcement.
 - a. Remove harness clip.
 - b. Disengage ambient sensor fixing pawl.
 - c. Remove intelligent key warning buzzer mounting bolt. (with intelligent key system)
 - d. Remove distance radar mounting bolts. (if equipped)
 - e. Remove front bumper reinforcement mounting nuts, and then remove front bumper reinforcement.
 20. Remove front bumper stay mounting bolts, and then remove front bumper stay (LH and RH).

INSTALLATION

Note the following items, and then install in the reverse order of removal.

NOTE:

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



Portion		Clearance	Surface height difference
Front bumper fascia – front grille	Ⓐ – Ⓐ	0.1 – 3.0 mm (0.004 – 0.118 in)	—
	Ⓑ – Ⓑ	0.1 – 3.0 mm (0.004 – 0.118 in)	—
Front bumper fascia – Front combination lamp	Ⓒ – Ⓒ	0.1 – 3.0 mm (0.004 – 0.118 in)	—
Front bumper fascia – Front fender panel	Ⓓ – Ⓓ	0.1 – 1.0 mm (0.004 – 0.039 in)	(–0.3) – (+1.7) mm [(–0.012) – (+0.067) in]

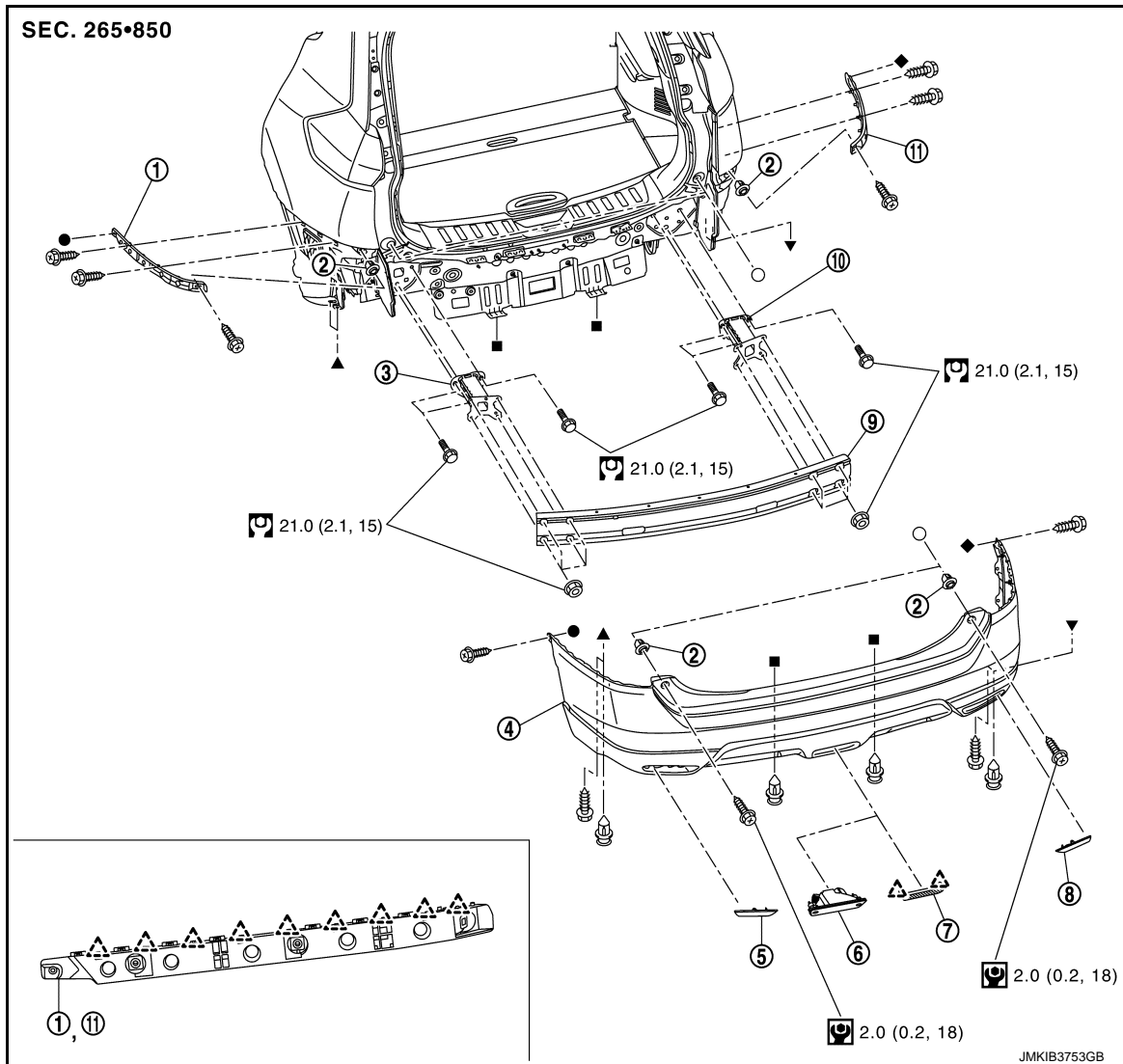
REAR BUMPER

< REMOVAL AND INSTALLATION >

REAR BUMPER

Exploded View

INFOID:000000010787438



- | | | |
|--------------------------------------|-------------------------------|-------------------------------|
| ① Rear bumper side bracket LH | ② Grommet | ③ Rear bumper stay LH |
| ④ Rear bumper fascia | ⑤ Reflex reflector LH | ⑥ Rear fog lamp (if equipped) |
| ⑦ Rear bumper finisher (if equipped) | ⑧ Reflex reflector RH | ⑨ Rear bumper reinforcement |
| ⑩ Rear bumper stay RH | ⑪ Rear bumper side bracket RH | |

△ : Pawl

⊙ : N·m (kg-m, in-lb)

⊙ : N·m (kg-m, ft-lb)

●, ▲, ■, ▼, ◆, ○: Indicates that the part is connected at points with same symbol in actual vehicle.

Removal and Installation

INFOID:000000010787439

CAUTION:

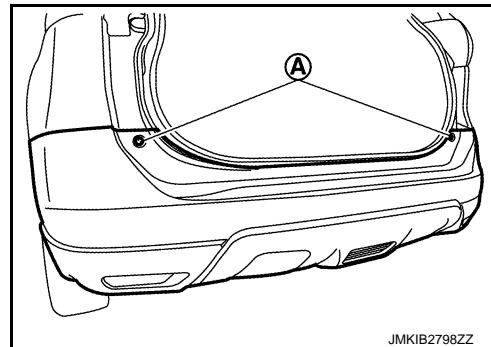
Bumper fascia is made of resin. Never apply strong force to it, and be careful to prevent contact with oil.

REAR BUMPER

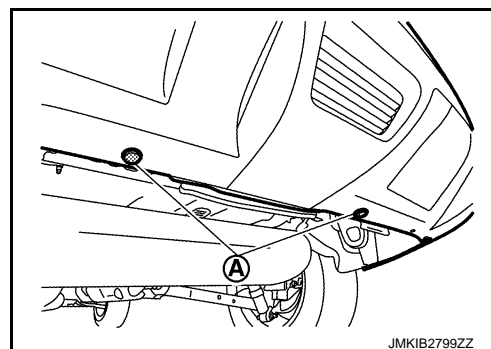
< REMOVAL AND INSTALLATION >

REMOVAL

1. Fully open back door.
2. Remove back side of rear fillet molding (LH and RH). Refer to [EXT-33, "REAR FILLET MOLDING : Removal and Installation"](#).
3. Remove rear bumper fascia fixing screws (A) of bumper upper side.

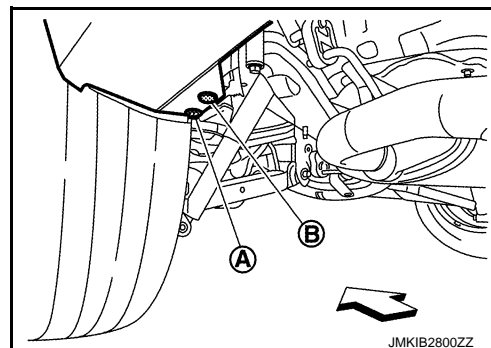


4. Remove rear bumper fascia fixing clips (A) of bumper lower side.

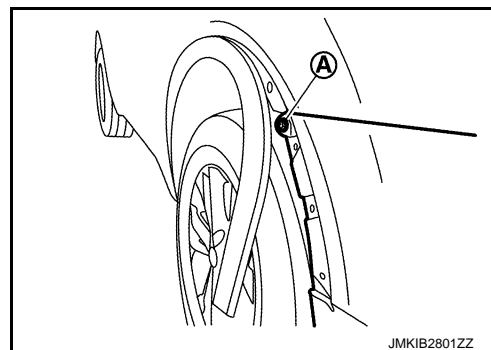


5. Remove rear bumper fascia mounting bolt (A) and fixing clip (B) lower side of bumper both end.

↶ : Vehicle front



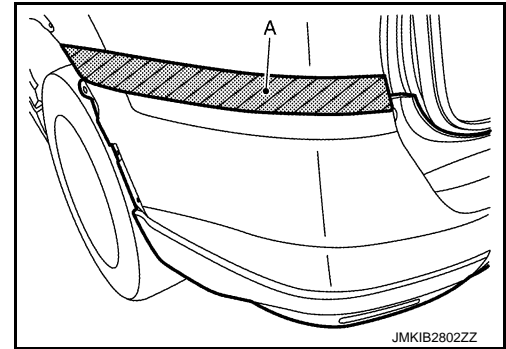
6. Remove rear bumper fascia mounting bolt (A) (LH and RH).



REAR BUMPER

< REMOVAL AND INSTALLATION >

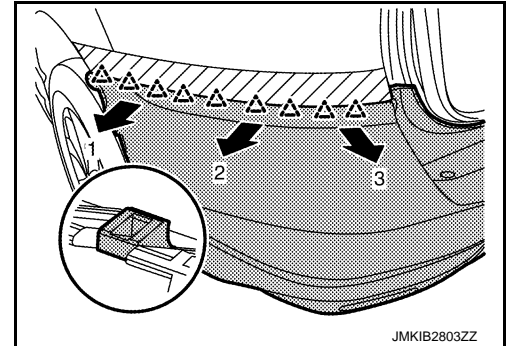
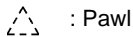
7. Apply protective tape (A) on the part to protect it from damage.



8. Pull rear bumper fascia side toward the vehicle side to disengage the fitting of rear bumper side bracket and rear bumper fascia side according to the numerical order 1→3 as shown by the arrows in the figure.

CAUTION:

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



9. Disconnect rear fog lamp harness connector. (if equipped)
10. Disconnect rear sonar sensor harness connector. (if equipped)
11. Remove rear bumper fascia assembly.

CAUTION:

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

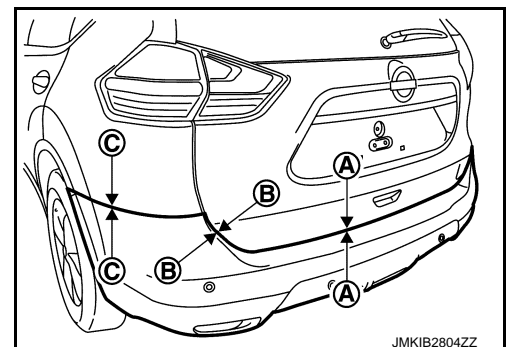
12. Remove the following parts after removing rear bumper fascia assembly.
- Rear fog lamp. Refer to the following. (if equipped)
 - LED HEADLAMP: Refer to [EXL-211. "Removal and Installation"](#).
 - HALOGEN HEADLAMP: Refer to [EXL-396. "Removal and Installation"](#).
 - Rear sonar sensor. Refer to the following. (if equipped)
 - WITH PARK ASSIST: Refer to [SN-240. "REAR : Removal and Installation"](#).
 - WITHOUT PARK ASSIST: Refer to [SN-114. "REAR : Removal and Installation"](#).
 - Reflex reflector. Refer to [EXL-212. "Removal and Installation"](#).
 - Rear bumper finisher. (if equipped)
13. Remove rear bumper reinforcement mounting nuts, and then remove rear bumper reinforcement.
14. Remove rear bumper stay mounting bolts, and then remove rear bumper stay (LH and RH).

INSTALLATION

Note the following items, and then install in the reverse order of removal.

NOTE:

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



REAR BUMPER

< REMOVAL AND INSTALLATION >

Portion		Clearance	Surface height difference
Rear bumper fascia – Back door panel	Ⓐ – Ⓐ	5.5 – 9.5 mm (0.217 – 0.374 in)	—
	Ⓑ – Ⓑ	3.0 – 7.0 mm (0.118 – 0.276 in)	(–1.8) – (+2.4) mm [(–0.071) – (+0.094) in]
Rear bumper fascia – Rear fender panel	Ⓒ – Ⓒ	0.1 – 1.0 mm (0.004 – 0.039 in)	(–0.3) – (+1.7) mm [(–0.012) – (+0.067) in]

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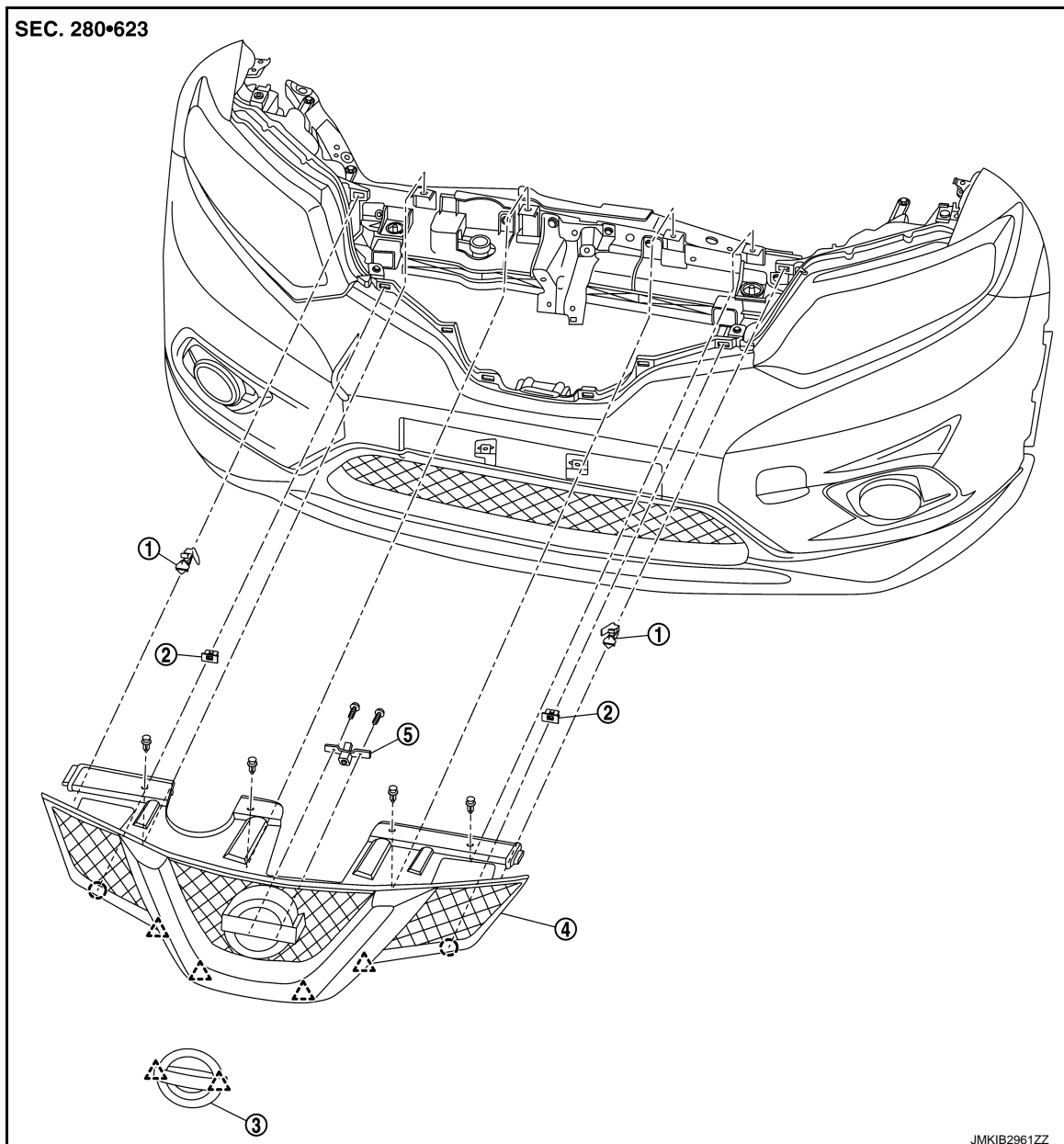
FRONT GRILLE

< REMOVAL AND INSTALLATION >

FRONT GRILLE

Exploded View

INFOID:0000000010787440



① Turn fastener

② Grommet

③ Front emblem

④ Front grille

⑤ Front camera (if equipped)

○ : Clip

△ : Pawl

Removal and Installation

INFOID:0000000010787441

REMOVAL

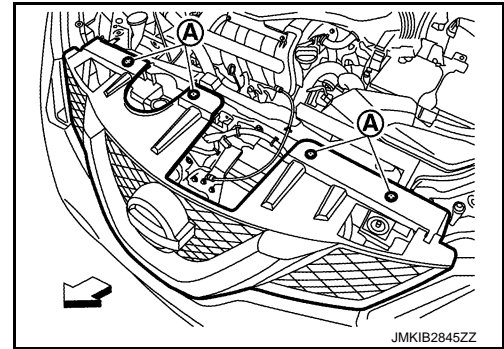
1. Fully open hood assembly.

FRONT GRILLE

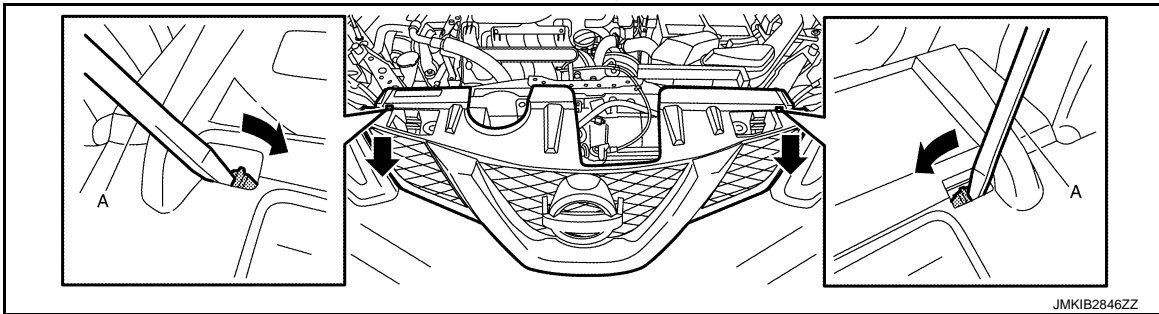
< REMOVAL AND INSTALLATION >

2. Remove front grille fixing clips ① of front grille upper side.

⇐ : Vehicle front

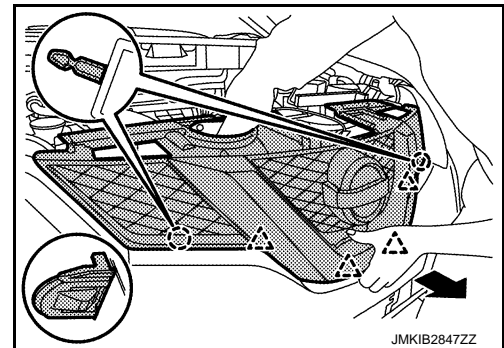


3. To disengage fasteners, locate the service holes top position of front grille. Insert a flat-bladed screwdriver (A) into the service hole on vehicle left side and rotate turn fastener counterclockwise. Insert the flat-bladed screwdriver into the service hole on vehicle right side and rotate turn fastener clockwise.



4. Disengage front grille fixing clips and pawls from back side while pulling front grille toward vehicle front.

○ : Clip
△ : Pawl



5. Disconnect front camera harness connector. (if equipped)
6. Remove front grille.
7. Remove the following parts after removing front grille.
• Front camera. Refer to [AV-269. "Removal and Installation"](#). (if equipped)
• Front emblem.

INSTALLATION

Note the following item, and then install in the reverse order of removal.

CAUTION:

When installing front grille, install turn fastener to back of front grille, and then install front grille.

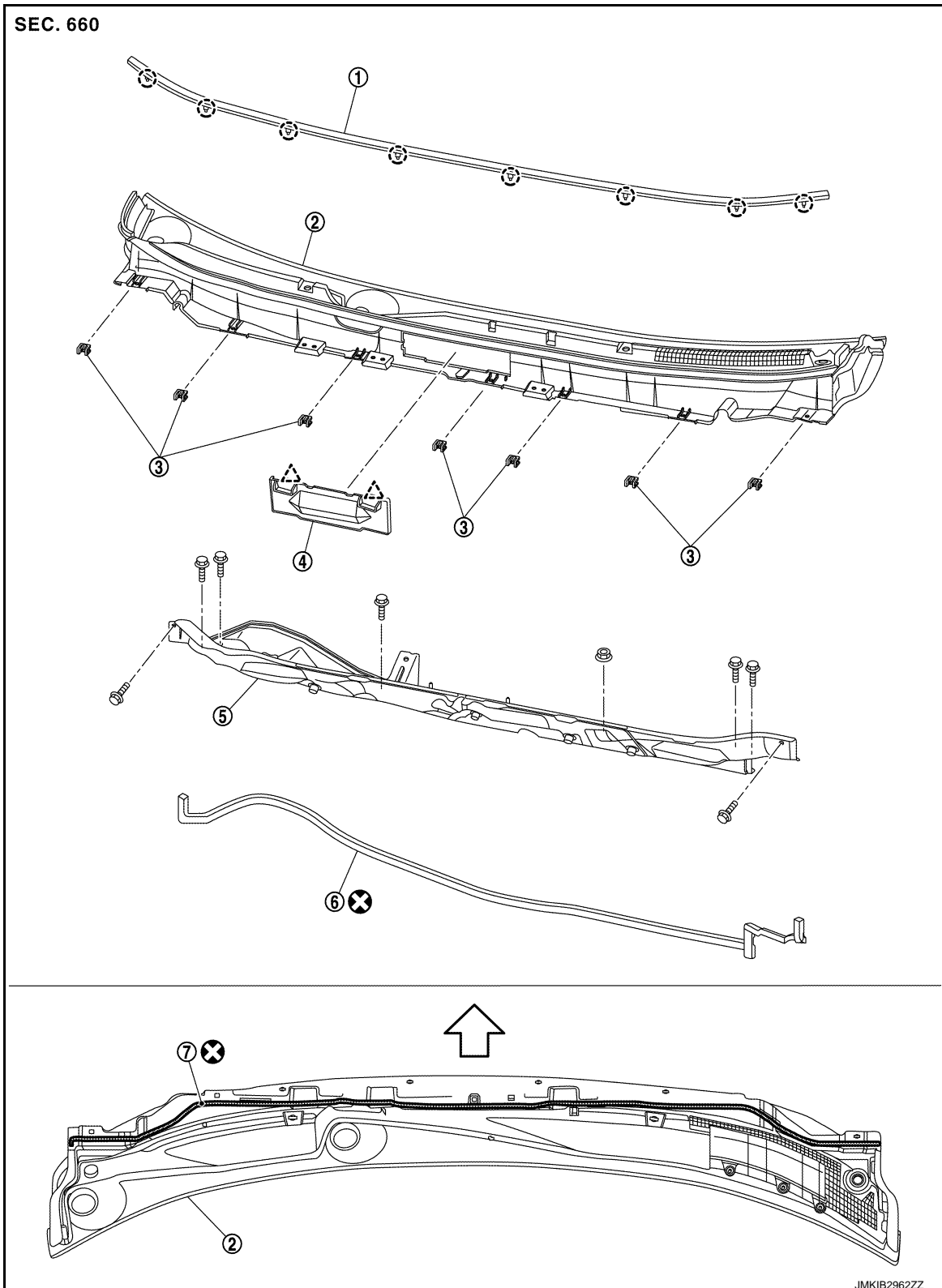
COWL TOP

< REMOVAL AND INSTALLATION >

COWL TOP

Exploded View

INFOID:000000010787442



- | | | |
|----------------------|----------------------|------------------------------------|
| ① Cowl top seal | ② Cowl top cover | ③ Cowl top grille clip |
| ④ Cowl top cover cap | ⑤ Cowl top extension | ⑥ EPT seal [t: 10.0 mm (0.394 in)] |

COWL TOP

< REMOVAL AND INSTALLATION >

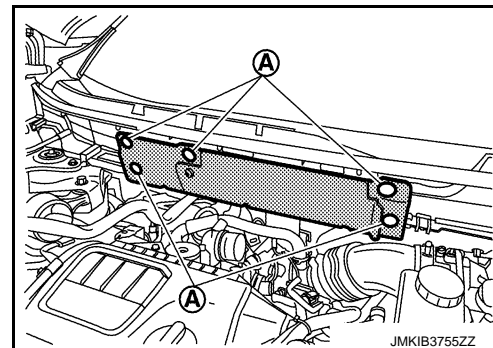
- ⑦ EPT seal [t: 3.0 mm (0.118 in)]
- : Clip
- △ : Pawl
- ⇐ : Vehicle front
- ⊗ : Always replace after every disassembly.

Removal and Installation

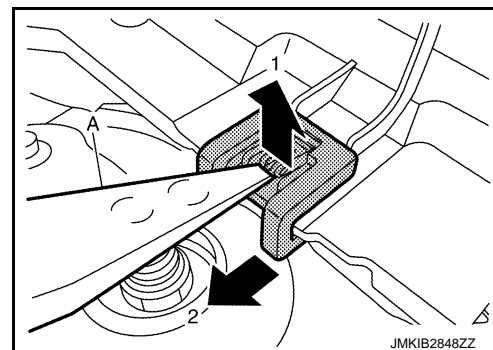
INFOID:000000010787443

REMOVAL

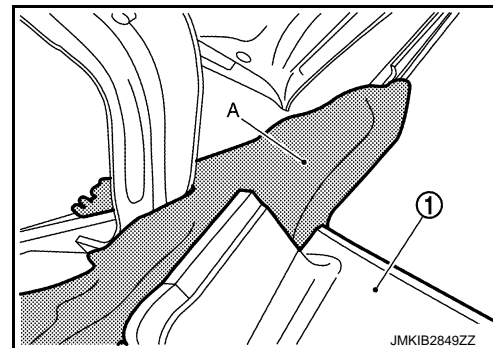
1. Remove front wiper arm (LH and RH). Refer to [WW-82. "WIPER ARM : Removal and Installation"](#).
2. Remove fender cover (LH and RH). Refer to [DLK-272. "FENDER COVER : Removal and Installation"](#).
3. Remove cowl top insulator fixing clips (A), and then remove cowl top insulator (R9M engine models only).



4. Remove cowl top grille clip using a remover tool (A) according to the numerical order 1→2 as shown by the arrows in the figure.



5. Cover cowl top cover ① and upper side of front fender panel with a shop cloth (A) to prevent damage.

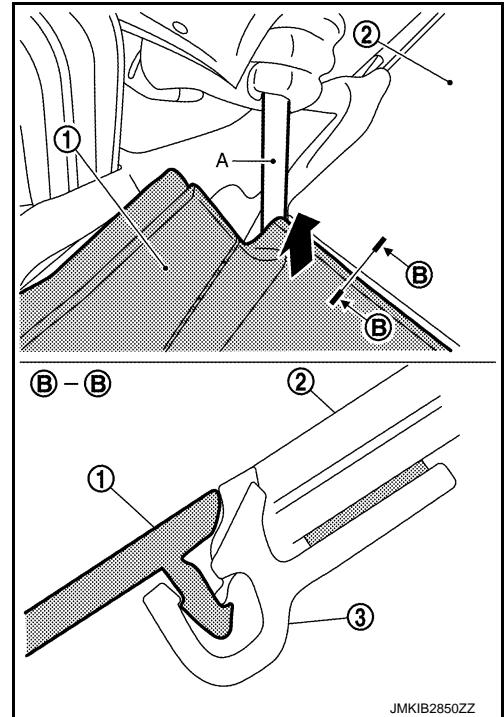


COWL TOP

< REMOVAL AND INSTALLATION >

6. Disengage cowl top cover ① using a remover tool (A) from windshield glass lower molding ③.

② : Windshield glass



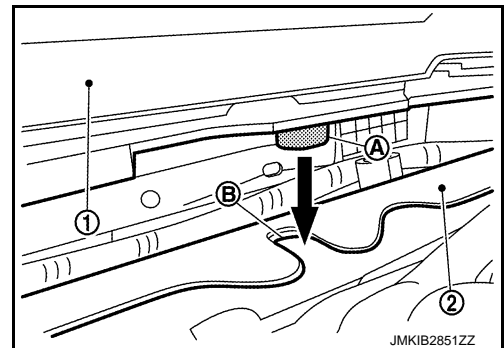
7. Remove joint of front washer tube.
8. Remove cowl top cover.
9. Remove the following parts after removing cowl top cover.
- EPT seal.
 - Cowl top seal.
 - Cowl top cover cap.
 - Front washer tube. Refer to [WW-101. "FRONT WASHER TUBE : Removal and Installation"](#).
 - Front washer nozzle. Refer to [WW-97. "FRONT WASHER NOZZLE : Removal and Installation"](#).
10. Remove front wiper drive assembly. Refer to [WW-85. "WIPER DRIVE ASSEMBLY : Removal and Installation"](#).
11. Remove cowl top extension mounting bolts and nut, and then remove cowl top extension.
12. Remove EPT seal after removing cowl top extension.

INSTALLATION

Note the following items, and then install in the reverse order of removal.

CAUTION:

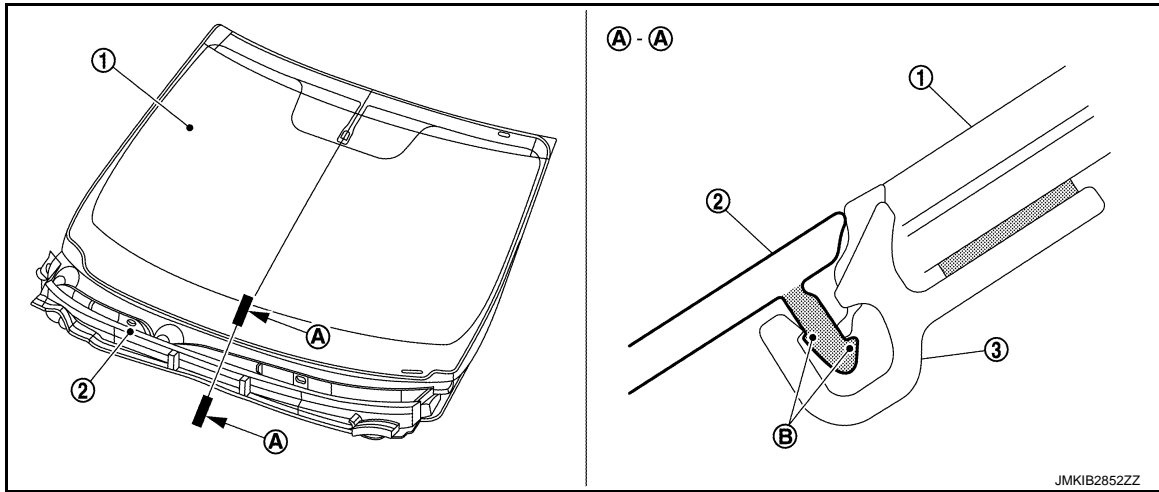
- Clean the joint between the cowl top cover and the windshield, and then install them.
- Replace the EPT seal on the back surface with new EPT seal when reusing the cowl top cover.
- When installing cowl top cover ①, always match perfectly the portion B of cowl top extension ② with the portion A of cowl top cover.



COWL TOP

< REMOVAL AND INSTALLATION >

- When installing cowl top cover ②, always engage perfectly the portion ③ of cowl top cover with the windshield glass lower molding ③, so that the surface height difference between the cowl top cover and windshield glass ① becomes "0".



- Never wash the vehicle within 24 hours after installing so as to keep adhesive.
- After installing, perform adjustment of front wiper arms. Refer to [WW-83, "WIPER ARM : Adjustment"](#).
- After installing, perform adjustment of front washer nozzle. Refer to [WW-98, "FRONT WASHER NOZZLE : Inspection and Adjustment"](#).

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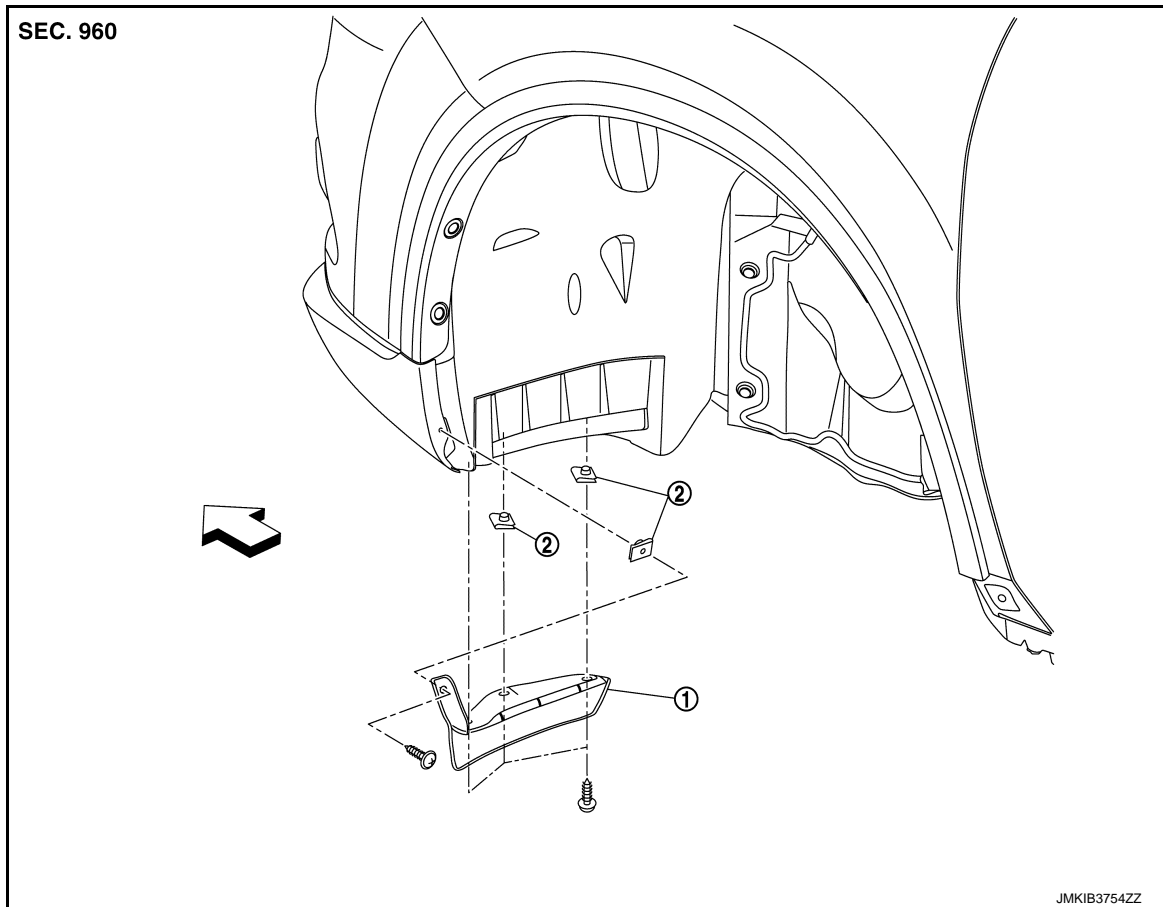
FRONT SPOILER

< REMOVAL AND INSTALLATION >

FRONT SPOILER

Exploded View

INFOID:0000000010930911



① Front spoiler

② Spring nut

⇨ : Vehicle front

Removal and Installation

INFOID:0000000010930912

REMOVAL

Remove front spoiler fixing screws, and then remove front spoiler.

INSTALLATION

Install in the reverse order of removal.

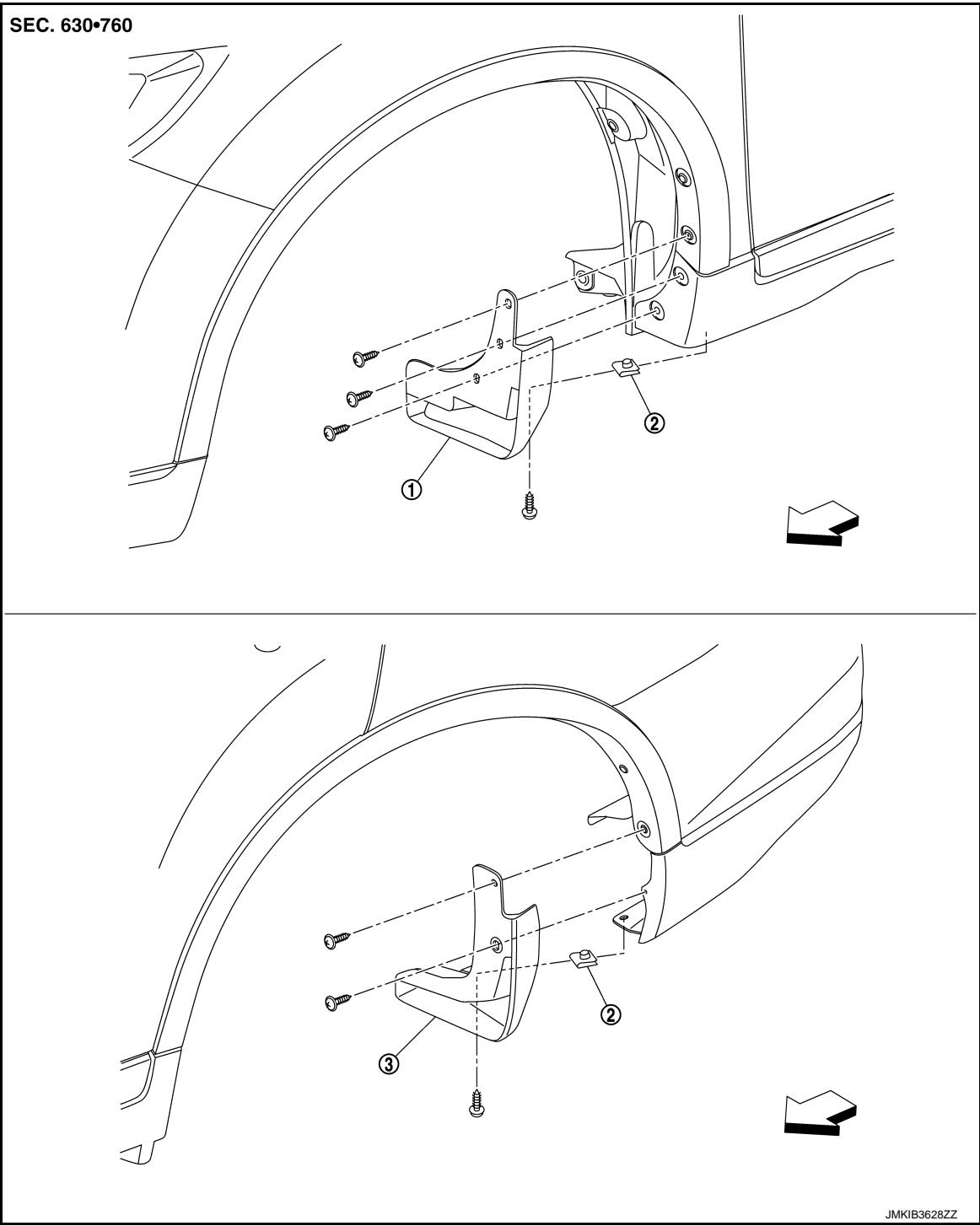
MUDGUARD

< REMOVAL AND INSTALLATION >

MUDGUARD

Exploded View

INFOID:0000000010787444



- ① Front mudguard ② Spring nut ③ Rear mudguard
- ⇐ : Vehicle front

FRONT MUDGUARD

MUDGUARD

< REMOVAL AND INSTALLATION >

FRONT MUDGUARD : Removal and Installation

INFOID:0000000010787445

REMOVAL

Remove front mudguard fixing screws, and then remove front mudguard.

INSTALLATION

Install in the reverse order of removal.

REAR MUDGUARD

REAR MUDGUARD : Removal and Installation

INFOID:0000000010787446

REMOVAL

Remove rear mudguard fixing screws, and then remove rear mudguard.

INSTALLATION

Install in the reverse order of removal.

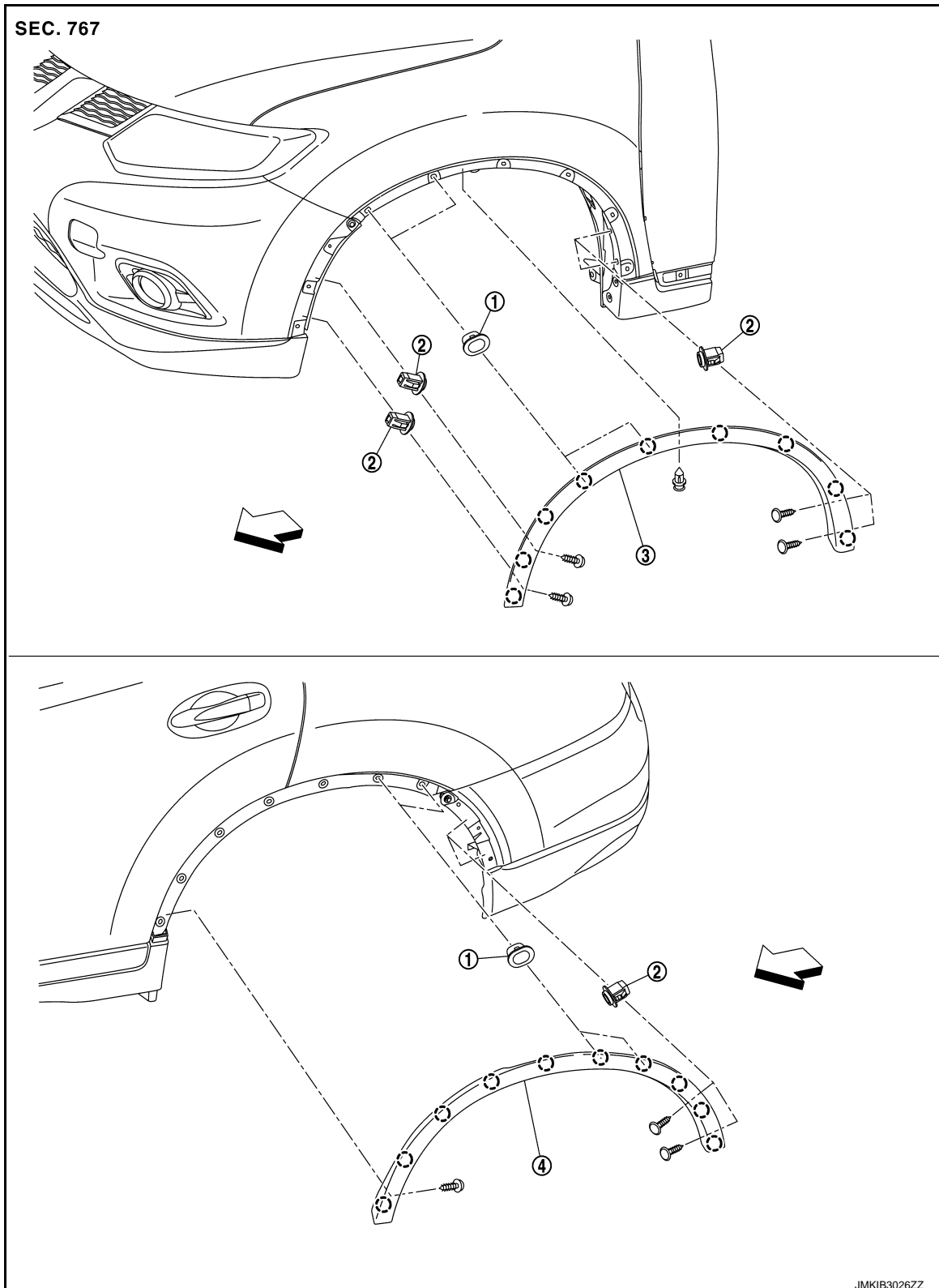
FILLET MOLDING

< REMOVAL AND INSTALLATION >

FILLET MOLDING

Exploded View

INFOID:0000000010787447



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FILLET MOLDING

< REMOVAL AND INSTALLATION >

○ : Clip

⇐ : Vehicle front

FRONT FILLET MOLDING

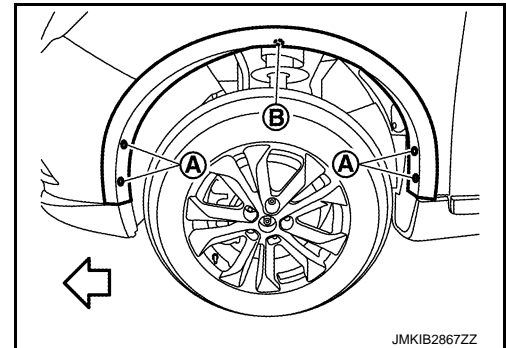
FRONT FILLET MOLDING : Removal and Installation

INFOID:000000010787448

REMOVAL

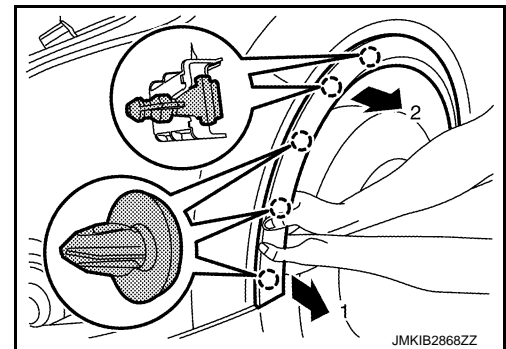
1. Remove front mudguard. Refer to [EXT-30. "FRONT MUDGUARD : Removal and Installation"](#). (if equipped)
2. Remove front fillet molding fixing screws (A) and clip (B).

⇐ : Vehicle front



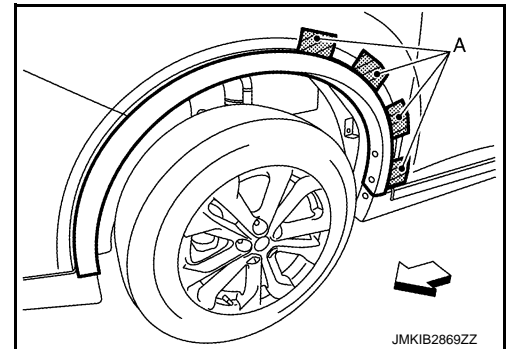
3. Remove front fillet molding fixing clips of front side according to the numerical order 1→2 as shown in the figure.

○ : Clip



4. Apply protective tapes (A) on the part to protect it from damage.

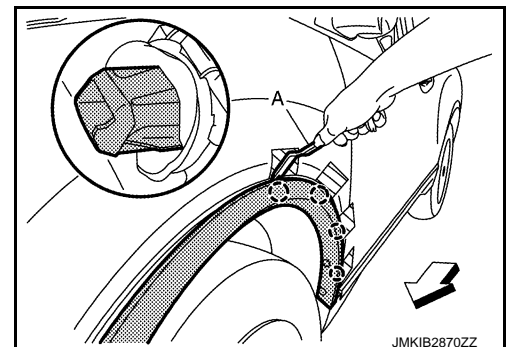
⇐ : Vehicle front



5. Remove front fillet molding fixing clips using a remover tool (A), and then remove front fillet molding.

○ : Clip

⇐ : Vehicle front



6. Remove the following parts after removing front fillet molding.

FILLET MOLDING

< REMOVAL AND INSTALLATION >

- Grommet.
- Screw grommet.

INSTALLATION

Note the following items, and then install in the reverse order of removal.

CAUTION:

- When installing front fillet molding, visually check the clips, then replace them with new parts if they are damaged.
- When installing front fillet molding, check that clips are securely fitted in fender panel holes, and then press them in.

REAR FILLET MOLDING

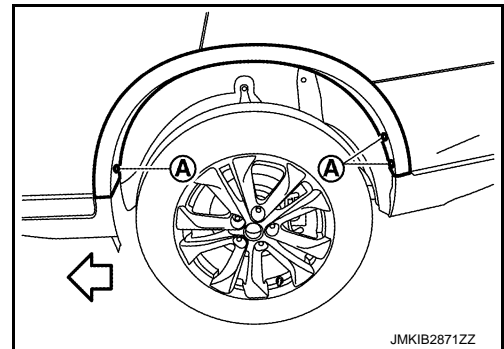
REAR FILLET MOLDING : Removal and Installation

INFOID:0000000010787449

REMOVAL

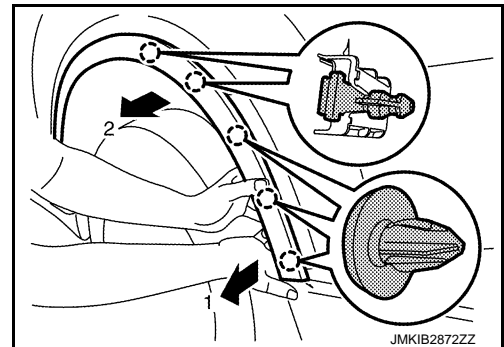
1. Remove rear mudguard. Refer to [EXT-30, "REAR MUDGUARD : Removal and Installation"](#). (if equipped)
2. Remove rear fillet molding fixing screws (A).

← : Vehicle front



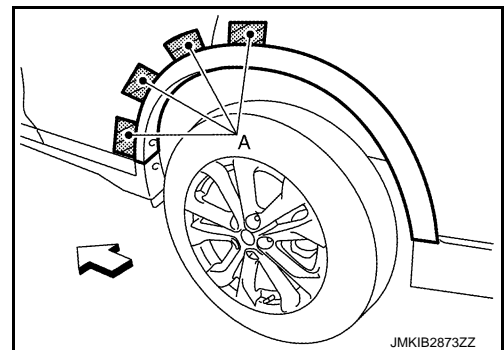
3. Remove rear fillet molding fixing clips of rear side according to the numerical order 1→2 as shown in the figure.

○ : Clip



4. Apply protective tapes (A) on the part to protect it from damage.

← : Vehicle front

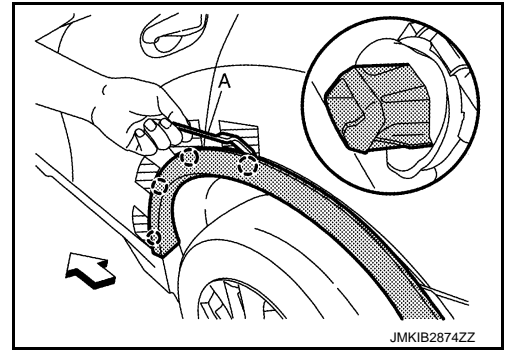


FILLET MOLDING

< REMOVAL AND INSTALLATION >

5. Remove rear fillet molding fixing clips using a remover tool (A), and then remove rear fillet molding.

⇐ : Vehicle front



6. Remove the following parts after removing rear fillet molding.
- Grommet.
 - Screw grommet.

INSTALLATION

Note the following items, and then install in the reverse order of removal.

CAUTION:

- When installing rear fillet molding, visually check the clips, then replace them with new parts if they are damaged.
- When installing rear fillet molding, check that clips are securely fitted in panel holes on body, and then press them in.

FENDER PROTECTOR

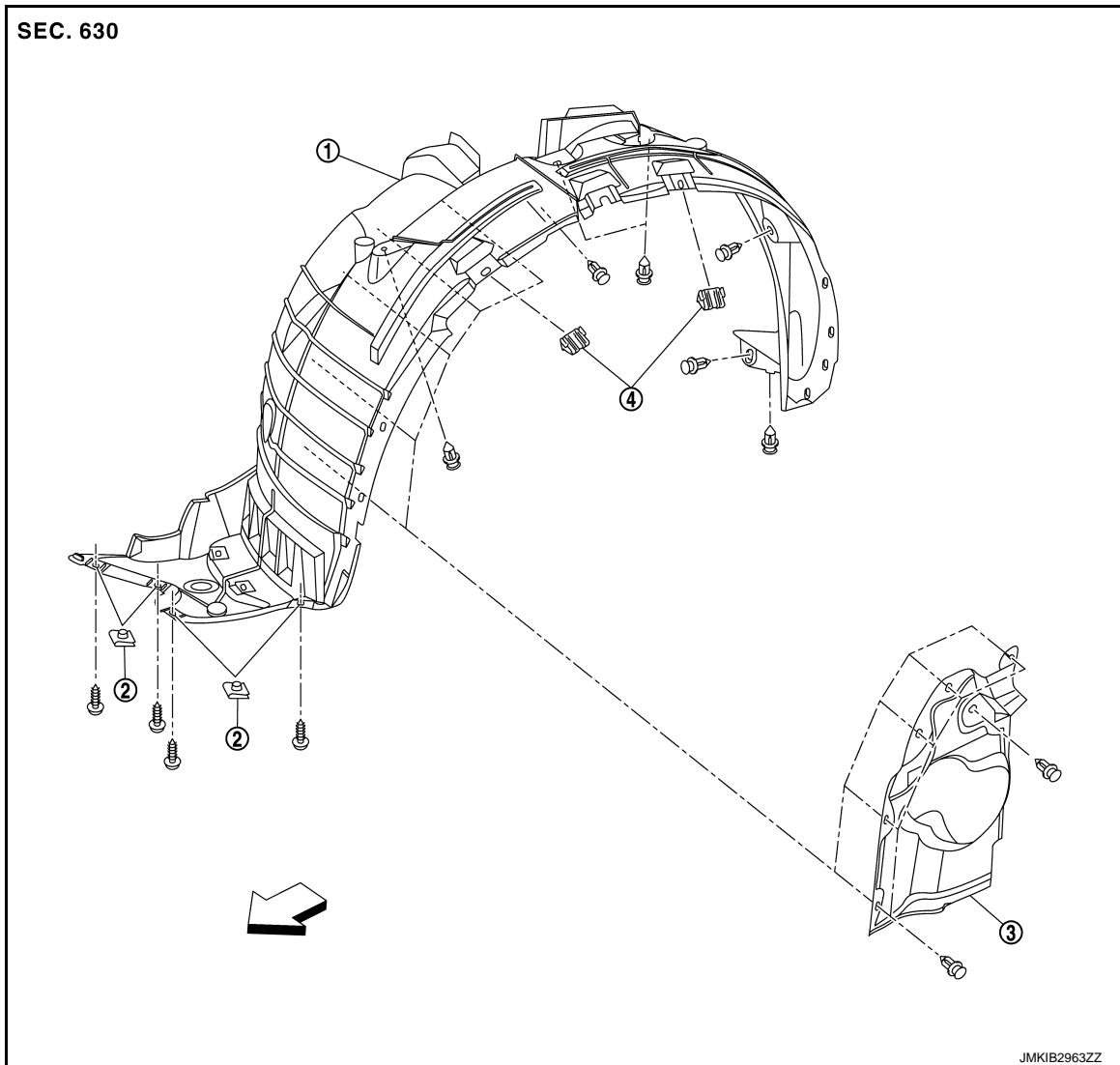
< REMOVAL AND INSTALLATION >

FENDER PROTECTOR

FENDER PROTECTOR

FENDER PROTECTOR : Exploded View

INFOID:0000000010787450



FENDER PROTECTOR : Removal and Installation

INFOID:0000000010787451

REMOVAL

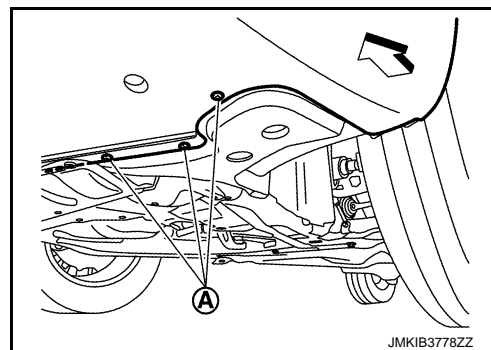
1. Remove front spoiler. Refer to [EXT-28, "Removal and Installation"](#).
2. Remove front fillet molding. Refer to [EXT-32, "FRONT FILLET MOLDING : Removal and Installation"](#).
3. Remove splash guard fixing clips and then remove splash guard.

FENDER PROTECTOR

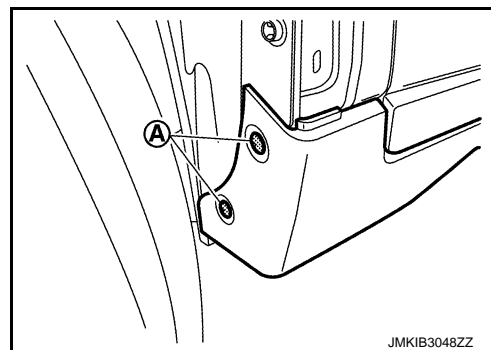
< REMOVAL AND INSTALLATION >

4. Remove front fender protector fixing screws ① of front fender protector front side.

⇐ : Vehicle front



5. Remove sill cover fixing screws ① of front fender protector back side.



6. Remove sill cover mounting bolts of sill cover lower side, and then remove front side of sill cover.
7. Remove front fender protector fixing screws and clips, and then remove front fender protector.

INSTALLATION

Install in the reverse order of removal.

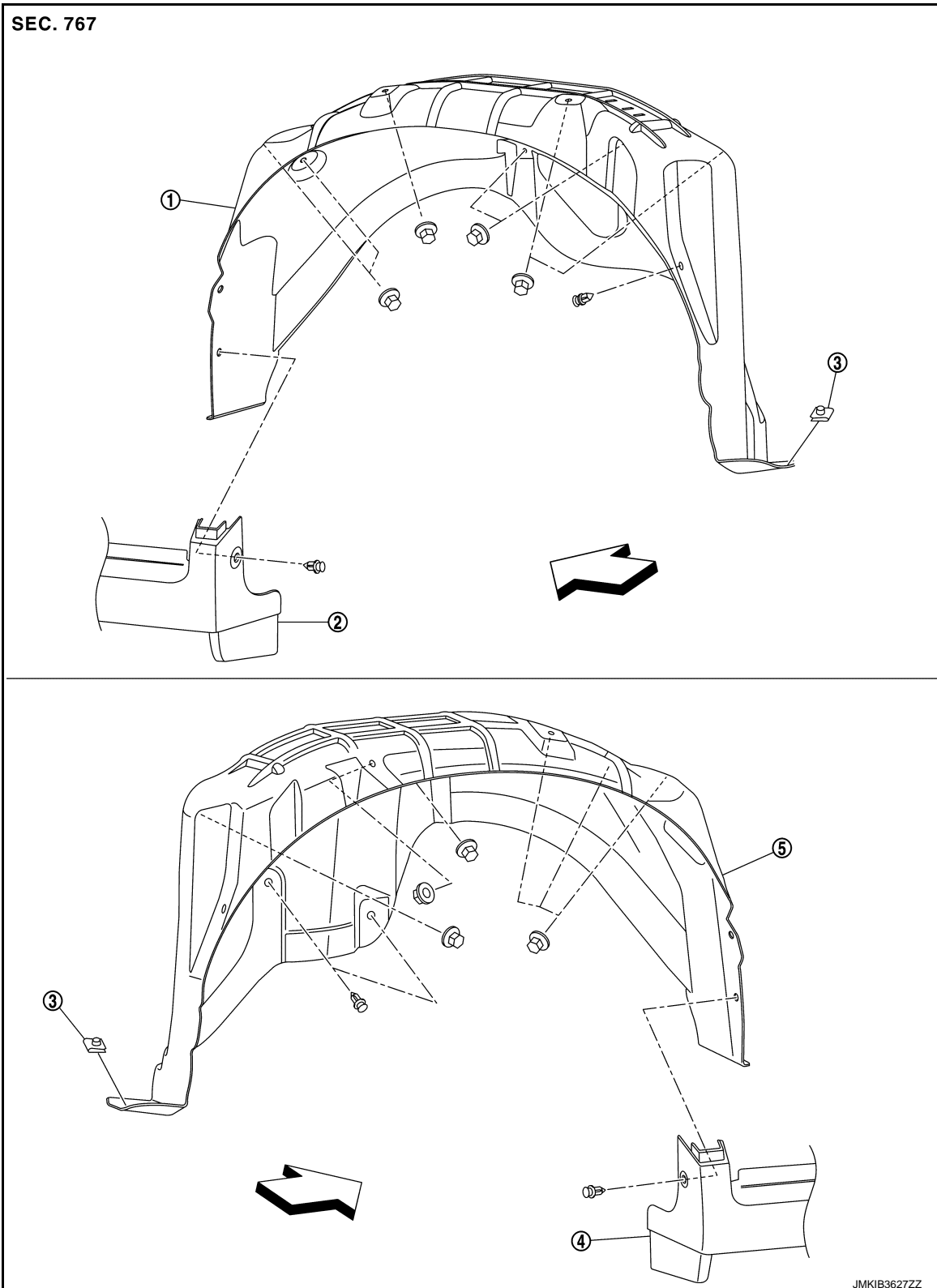
REAR WHEEL HOUSE PROTECTOR

FENDER PROTECTOR

< REMOVAL AND INSTALLATION >

REAR WHEEL HOUSE PROTECTOR : Exploded View

INFOID:000000010787452



① Rear wheel house protector LH

② Sill cover LH

③ Spring nut

④ Sill cover RH

⑤ Rear wheel house protector RH

⇐ : Vehicle front

JMKIB3627ZZ

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FENDER PROTECTOR

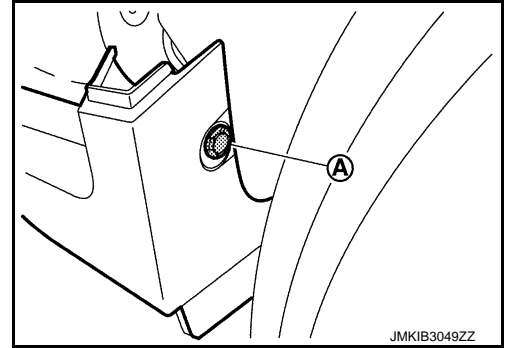
< REMOVAL AND INSTALLATION >

REAR WHEEL HOUSE PROTECTOR : Removal and Installation

INFOID:000000010787453

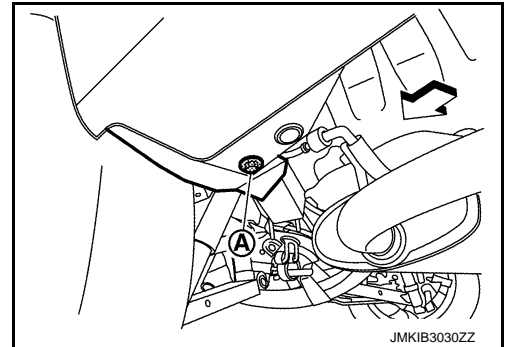
REMOVAL

1. Remove rear fillet molding. Refer to [EXT-33. "REAR FILLET MOLDING : Removal and Installation"](#).
2. Remove sill cover fixing clip (A) of rear wheel house protector front side.



3. Remove rear wheel house protector fixing clips of rear wheel house protector back side.
4. Remove rear wheel house protector mounting bolt (A) of rear bumper fascia lower side.

⇐ : Vehicle front



5. Remove rear wheel house protector fixing clips, and then remove rear wheel house protector.

INSTALLATION

Install in the reverse order of removal.

FLOOR SIDE FAIRING

< REMOVAL AND INSTALLATION >

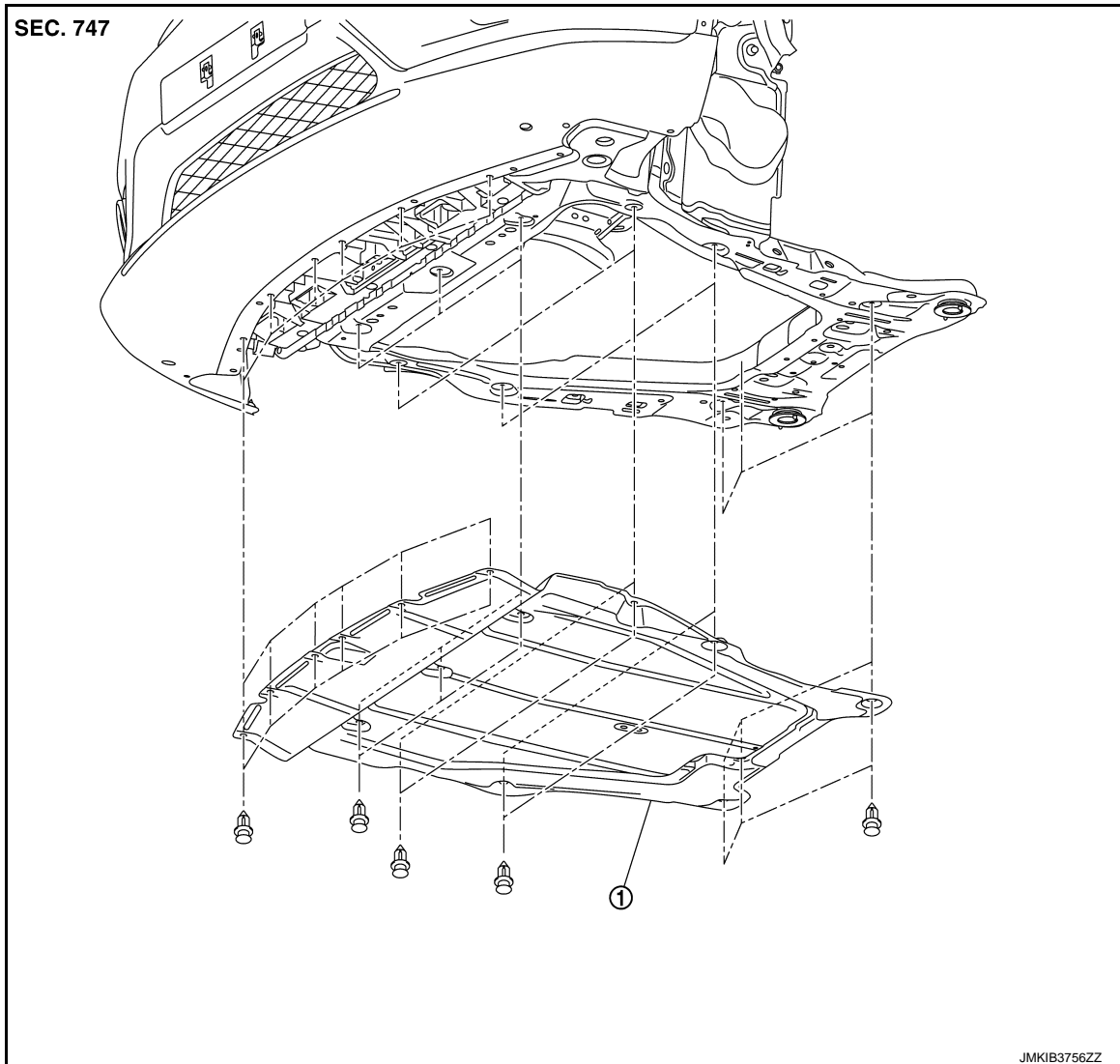
FLOOR SIDE FAIRING

ENGINE UNDER COVER

ENGINE UNDER COVER : Exploded View

INFOID:0000000010787454

WITH R9M ENGINE MODELS



① Engine under cover

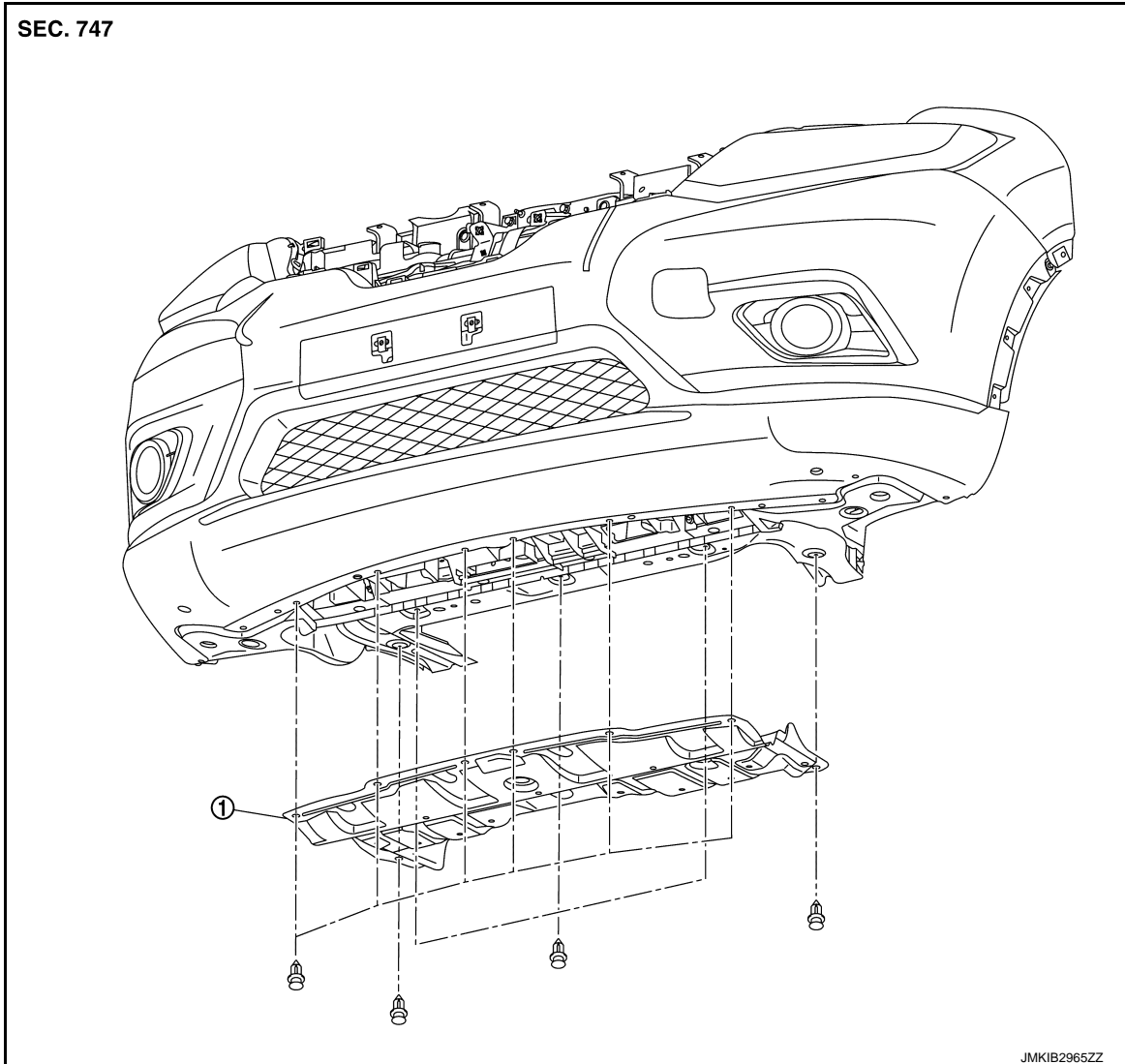
WITHOUT R9M ENGINE MODELS

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FLOOR SIDE FAIRING

< REMOVAL AND INSTALLATION >

SEC. 747



① Engine under cover

ENGINE UNDER COVER : Removal and Installation

INFOID:0000000010787455

REMOVAL

Remove engine under cover fixing clips, and then remove engine under cover.

INSTALLATION

Install in the reverse order of removal.

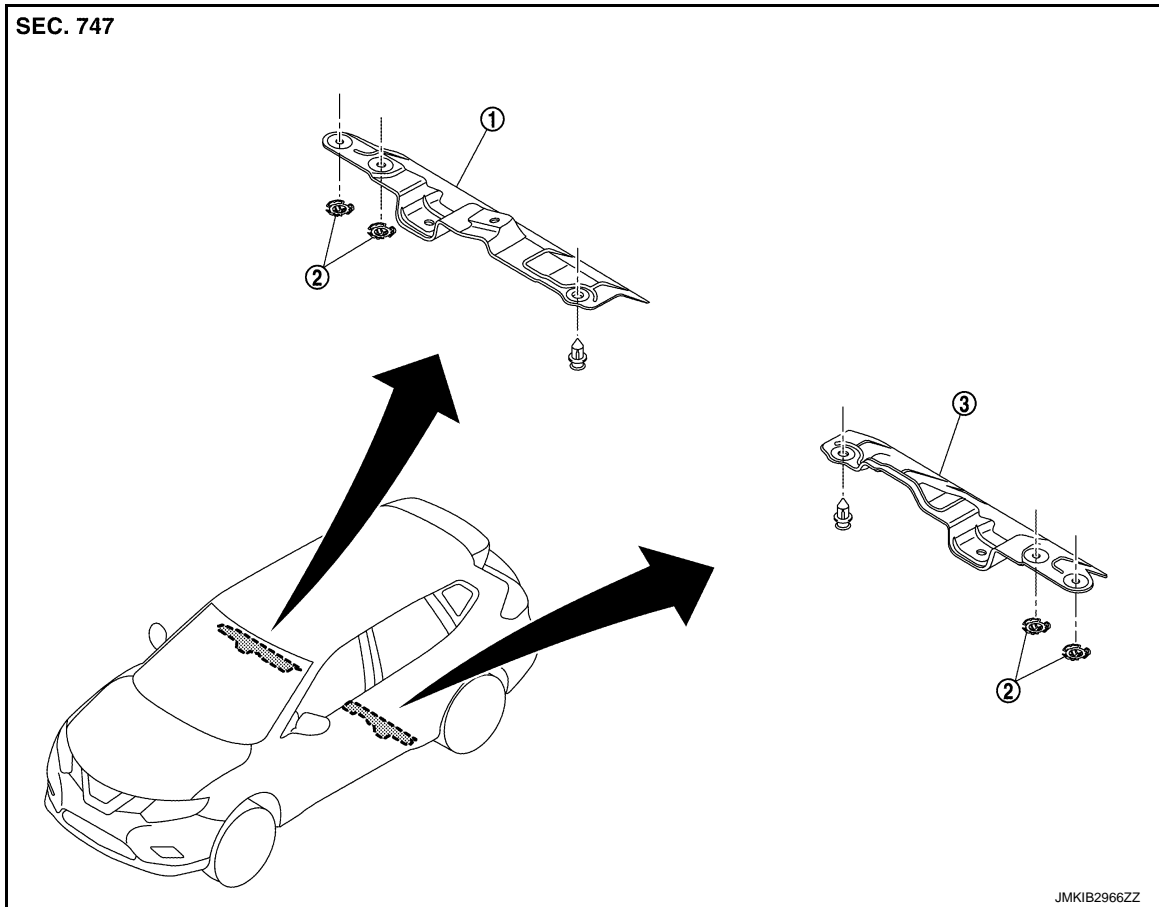
FLOOR UNDER COVER

FLOOR SIDE FAIRING

< REMOVAL AND INSTALLATION >

FLOOR UNDER COVER : Exploded View

INFOID:0000000010787456



① Floor under cover RH

② Spring push nut

③ Floor under cover LH

FLOOR UNDER COVER : Removal and Installation

INFOID:0000000010787457

REMOVAL

Remove floor under cover fixing clips and spring push nut, and then remove floor under cover.

INSTALLATION

Install in the reverse order of removal.

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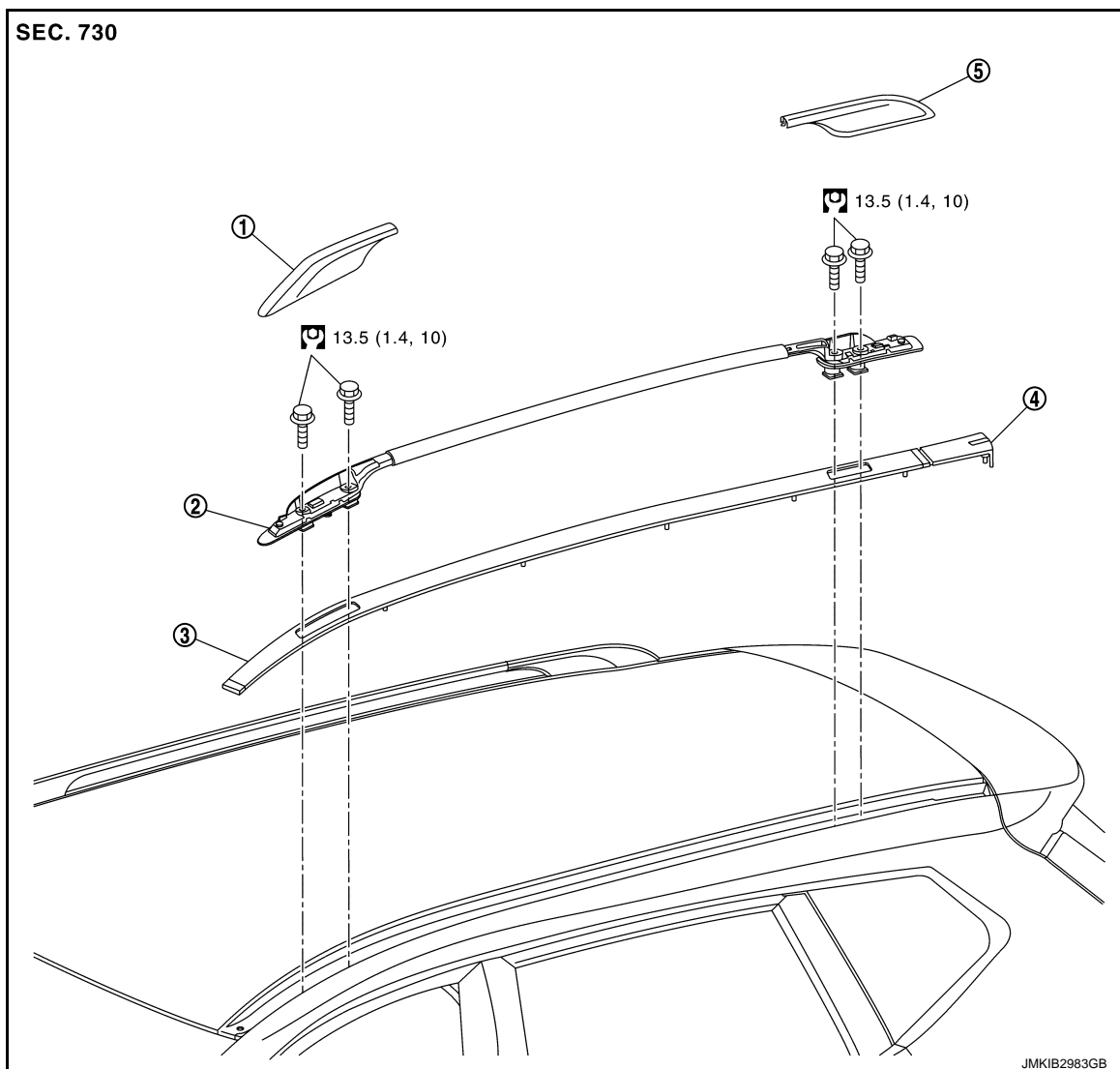
ROOF RAIL

< REMOVAL AND INSTALLATION >

ROOF RAIL

Exploded View

INFOID:0000000010787458




① Front roof rail cover

② Roof rail

③ Roof side molding

④ Back door hinge cover

⑤ Rear roof rail cover

 : N·m (kg-m, ft-lb)

Removal and Installation

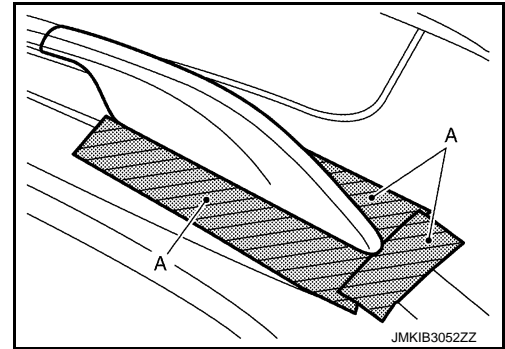
INFOID:0000000010787459

REMOVAL


ROOF RAIL

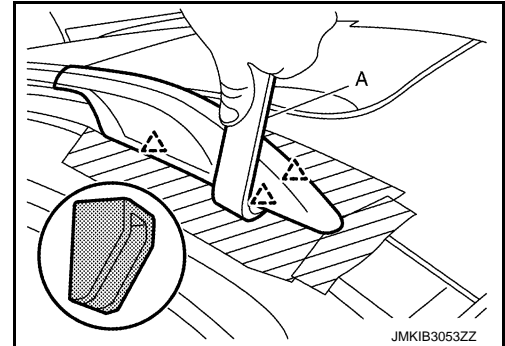
< REMOVAL AND INSTALLATION >

1. Apply protective tapes (A) on body to protect the painted surface from damage.



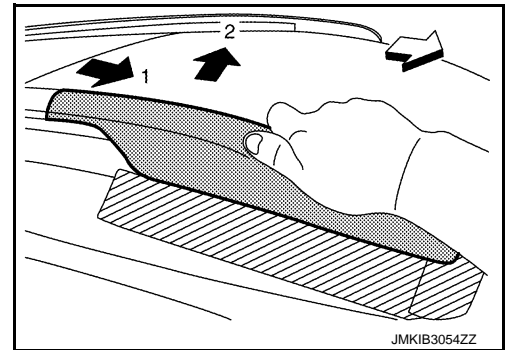
2. Disengage front roof rail cover fixing pawls using a remover tool (A).

 : Pawl

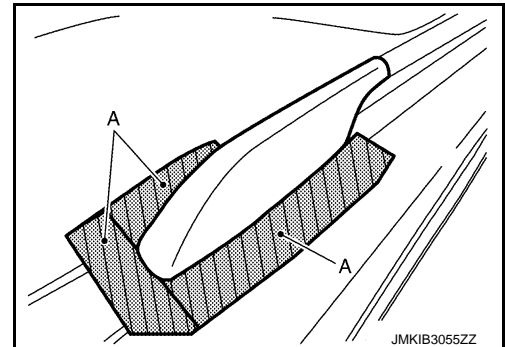


3. Remove front roof rail cover according to the numerical order 1→2 as shown in the figure.


 : Vehicle front

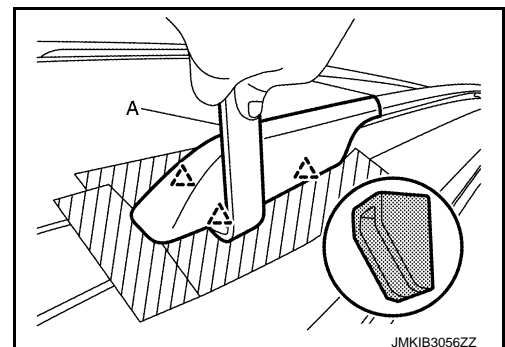


4. Apply protective tapes (A) on body to protect the painted surface from damage.



5. Disengage rear roof rail cover fixing pawls using a remover tool (A).

 : Pawl

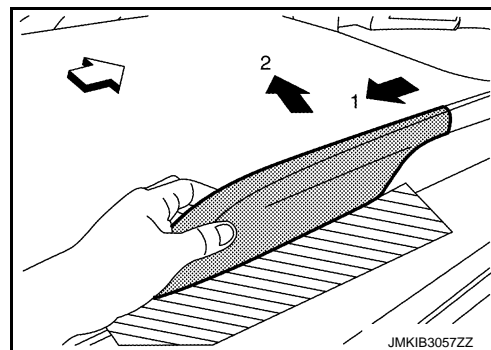


ROOF RAIL

< REMOVAL AND INSTALLATION >

6. Remove rear roof rail cover according to the numerical order 1→2 as shown in the figure.

⇐ : Vehicle front



7. Remove roof rail mounting bolts, and then remove roof rail.

INSTALLATION

Install in the reverse order of removal.

ROOF SIDE MOLDING

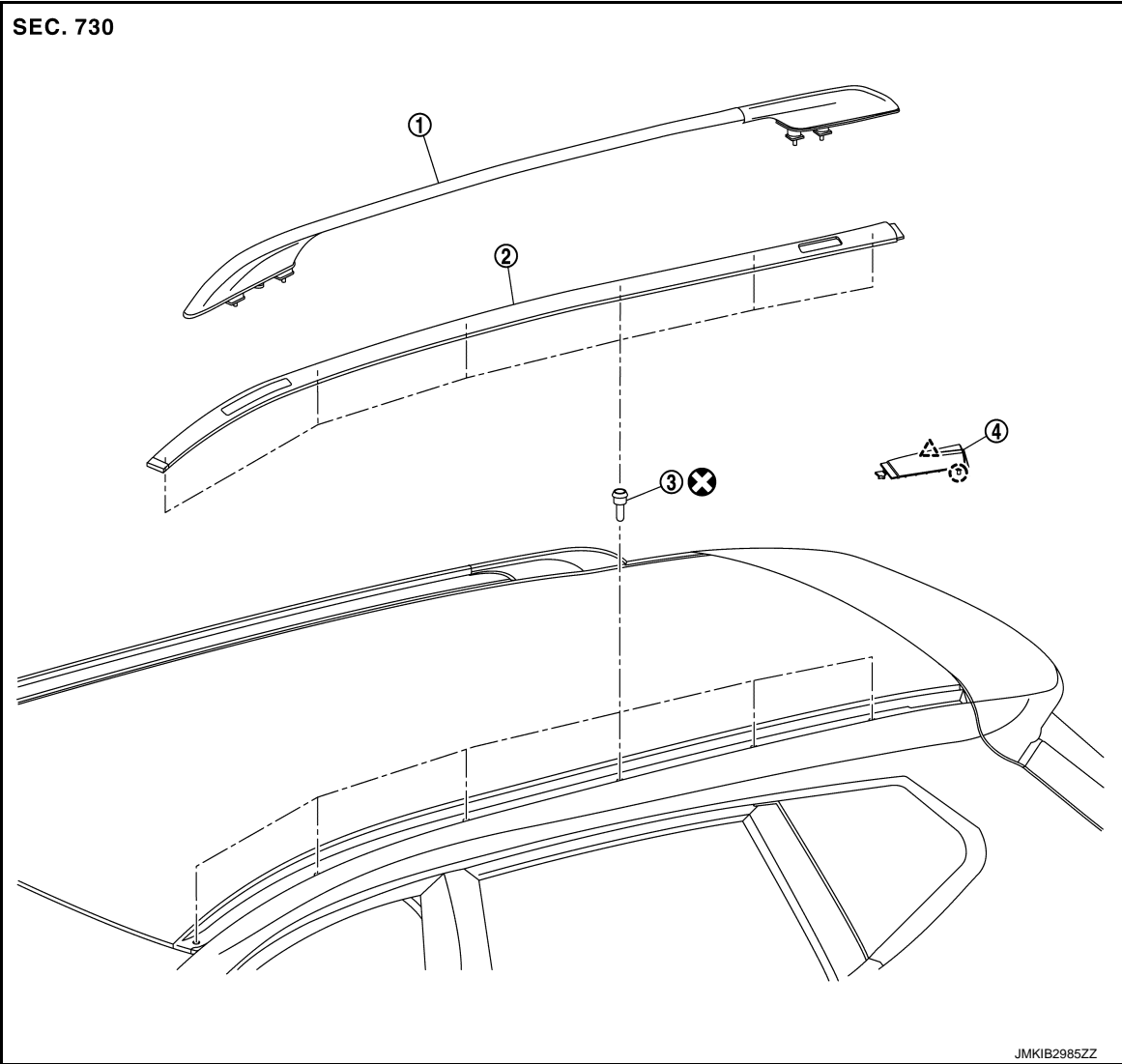
< REMOVAL AND INSTALLATION >

ROOF SIDE MOLDING

Exploded View

INFOID:0000000010787460

WITH ROOF RAIL



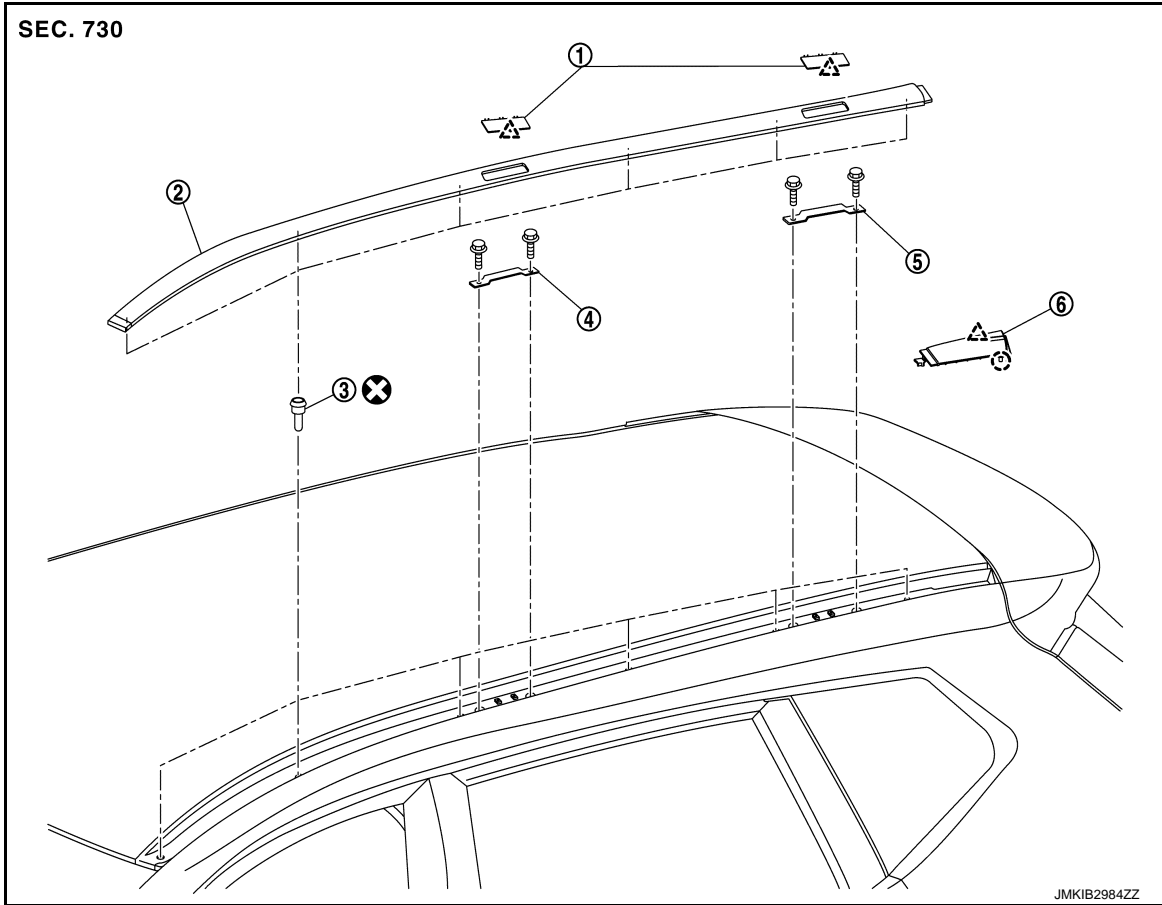
- ① Roof rail assembly
- ② Roof side molding
- ③ Roof side molding clip
- ④ Back door hinge cover
- : Clip
- △ : Pawl
- ⊗ : Always replace after every disassembly.

WITHOUT ROOF RAIL

A
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ROOF SIDE MOLDING

< REMOVAL AND INSTALLATION >



- | | | |
|---------------------------|--------------------------|--------------------------|
| ① Roof side molding cover | ② Roof side molding | ③ Roof side molding clip |
| ④ Front roof side bracket | ⑤ Rear roof side bracket | ⑥ Back door hinge cover |

○ : Clip

△ : Pawl

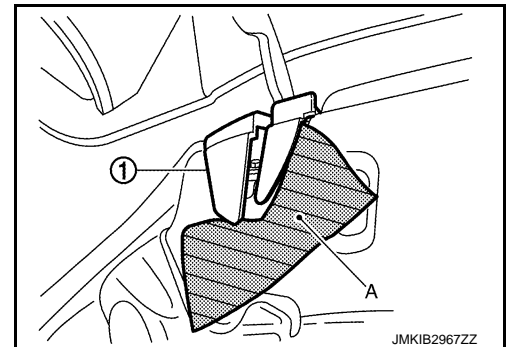
⊗ : Always replace after every disassembly.

Removal and Installation

INFOID:0000000010787461

REMOVAL

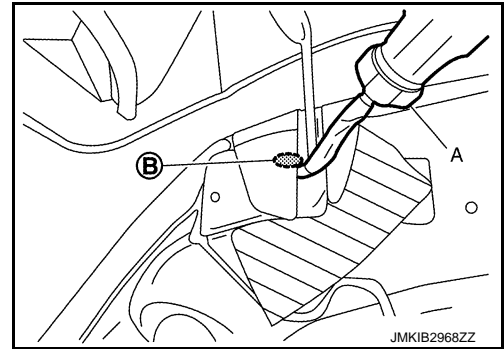
1. Remove roof rail. Refer to [EXT-42, "Removal and Installation"](#). (with roof rail)
2. Apply protective tape (A) on around the back door hinge cover ① to protect it from damage.



ROOF SIDE MOLDING

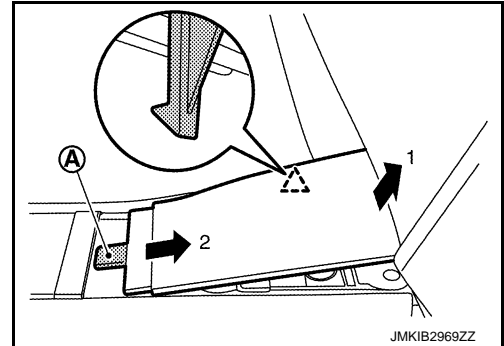
< REMOVAL AND INSTALLATION >

- Remove back door hinge cover fixing clip (B) using a remover tool (A).

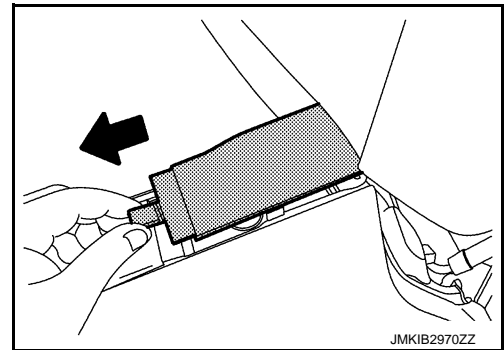


- Disengage back door hinge cover fixing pawl, and then while escape part (A) of back door hinge cover according to numerical order 1→2 as shown in the figure, pull up back door hinge cover.

△ : Pawl

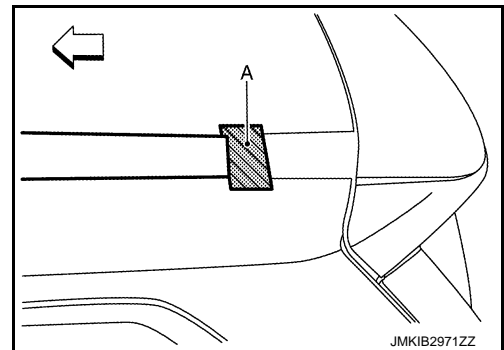


- Remove back door hinge cover as shown by the arrow in the figure.



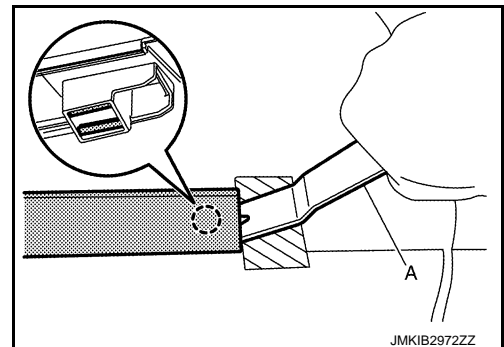
- Apply protective tape (A) on the part to protect it from damage.

← : Vehicle front



- Disengage roof side molding fixing clip using a remover tool (A), and then remove roof side molding.

○ : Clip



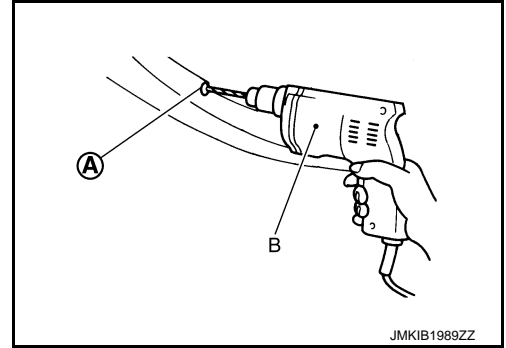
ROOF SIDE MOLDING

< REMOVAL AND INSTALLATION >

8. Remove front roof side bracket mounting bolts, and then remove front roof side bracket. (without roof rail)
9. Remove rear roof side bracket mounting bolts, and then remove rear roof side bracket. (without roof rail)
10. Remove roof side molding clip.

NOTE:

Grind the head of rivet (A) with a drill (B) [bit of $\phi 4.7 - \phi 4.9$ mm ($\phi 0.185 - \phi 0.193$ in)].



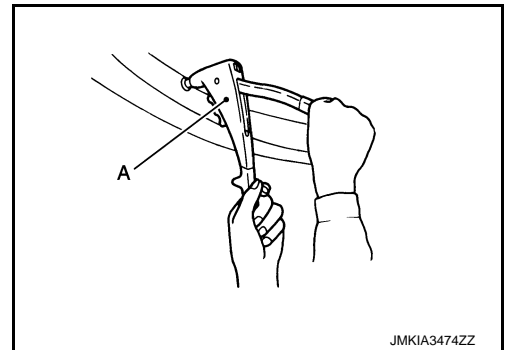
INSTALLATION

Note the following item, and then install in the reverse order of removal.

NOTE:

Securely crimp roof side molding extension with a hand riveter (A).

Roof side molding clip	
Prepared hole diameter	$\phi 5.0 - \phi 5.4$ mm ($\phi 0.197 - \phi 0.213$ in)
Used rivet head diameter	$\phi 6.5$ mm ($\phi 0.256$ in)



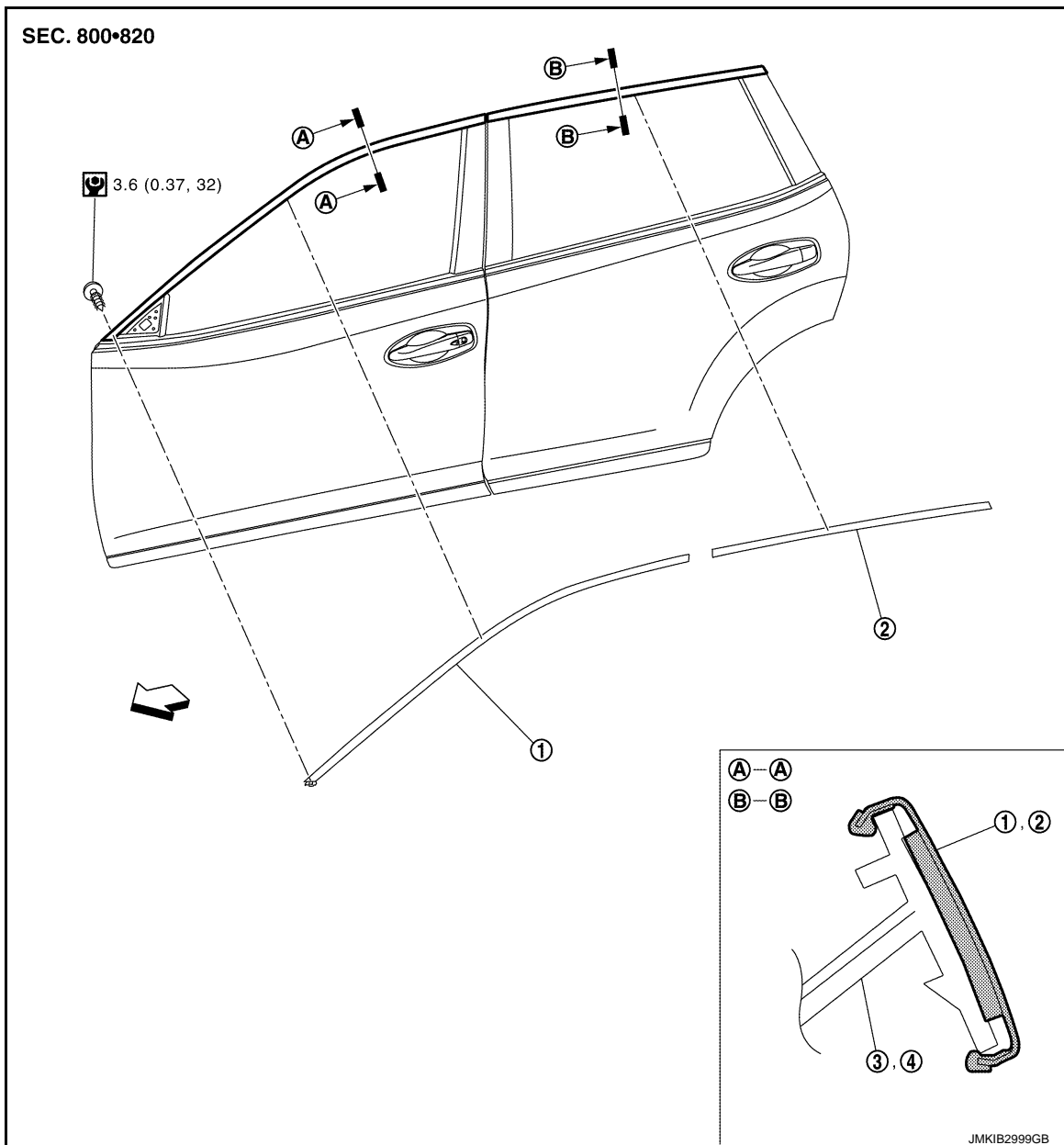
DOOR SASH MOLDING

< REMOVAL AND INSTALLATION >

DOOR SASH MOLDING

Exploded View

INFOID:0000000010787462



① Front door sash molding

② Rear door sash molding

③ Front door panel

④ Rear door panel

↖ : Vehicle front

⊙ : N·m (kg-m, in-lb)

FRONT DOOR SASH MOLDING

FRONT DOOR SASH MOLDING : Removal and Installation

INFOID:0000000010787463

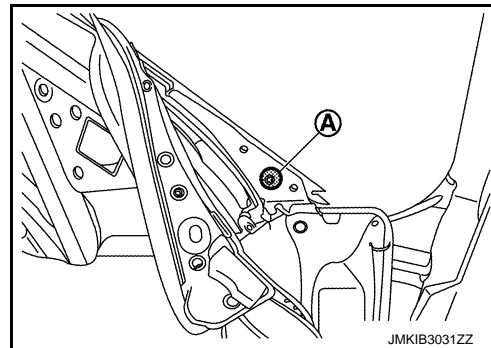
REMOVAL

1. Remove front door outside molding. Refer to [EXT-55, "FRONT DOOR OUTSIDE MOLDING : Removal and Installation"](#).

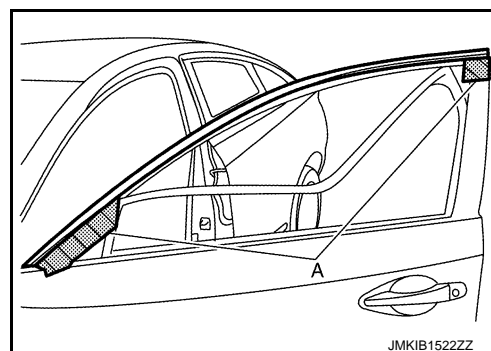
DOOR SASH MOLDING

< REMOVAL AND INSTALLATION >

2. Remove front door glass run upper side. Refer to [GW-45, "FRONT DOOR GLASS RUN : Removal and Installation"](#).
3. Remove front door weather-strip upper side. Refer to [DLK-279, "DOOR WEATHER-STRIP : Removal and Installation"](#).
4. Remove front door sash molding fixing screw (A) of front door sash molding front side.



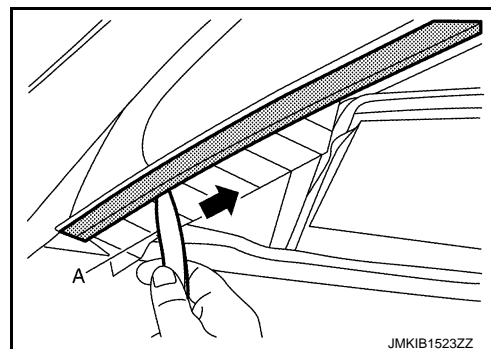
5. Apply protective tapes (A) on body to protect the painted surface from damage.



6. Insert a remover tool (A) between front door panel and front door sash molding, and then disengage front door sash molding as shown by the arrows in the figure.

CAUTION:

Never use a material for remover tool which could damage door panel.



7. Remove front door sash molding.

INSTALLATION

Install in the reverse order of removal.

REAR DOOR SASH MOLDING

REAR DOOR SASH MOLDING : Removal and Installation

INFOID:0000000010787464

REMOVAL

1. Fully open rear door glass.
2. Remove rear door glass run upper side. Refer to [GW-55, "REAR DOOR GLASS RUN : Removal and Installation"](#).
3. Remove rear door weather-strip upper side. Refer to [DLK-287, "DOOR WEATHER-STRIP : Removal and Installation"](#).
4. Insert a remover tool to rear door sash molding center portion, and then disengage with rear door panel and slide the rear and front of the vehicle, and then remove rear door sash molding.

INSTALLATION

Install in the reverse order of removal.

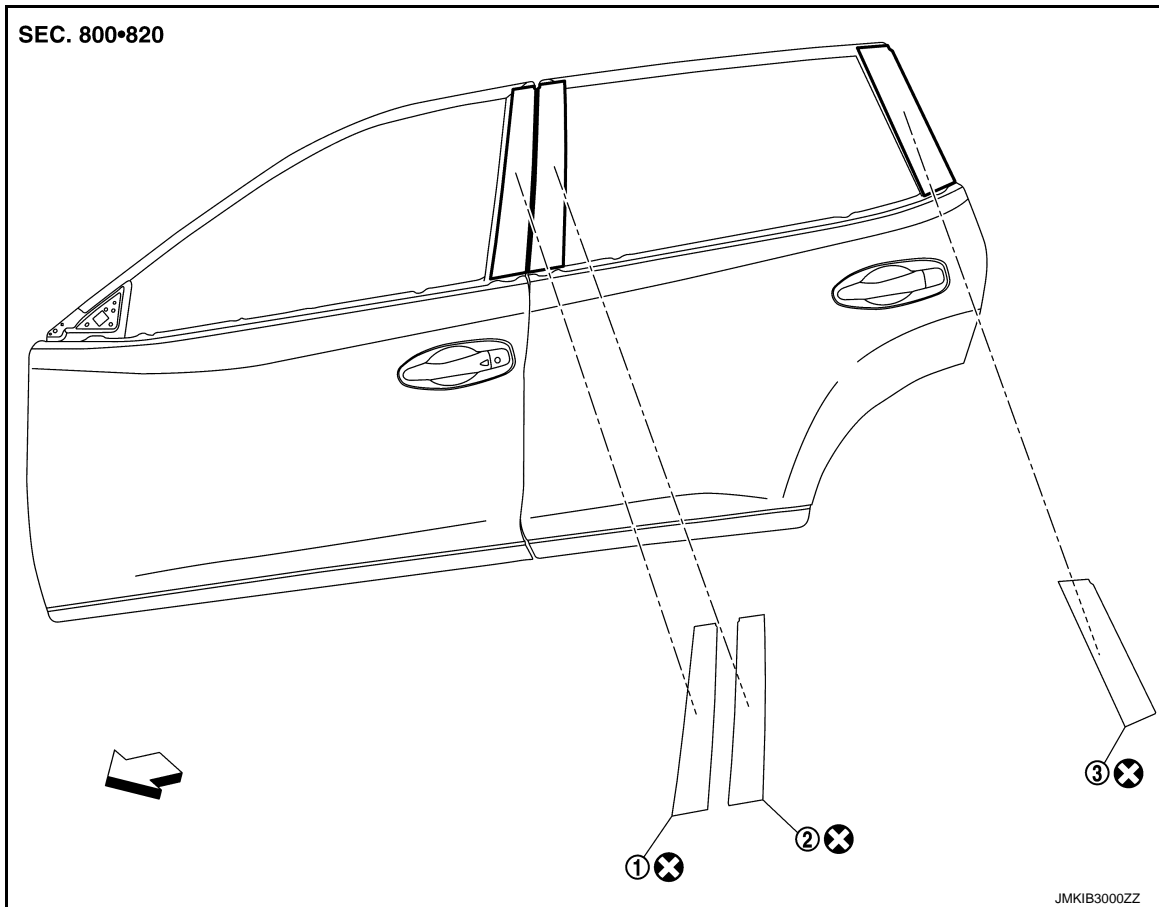
DOOR SASH TAPE

< REMOVAL AND INSTALLATION >

DOOR SASH TAPE

Exploded View

INFOID:0000000010787465



① Front door sash tape

② Rear door sash tape front

③ Rear door sash tape rear

↩ : Vehicle front

⊗ : Always replace after every disassembly.

FRONT DOOR SASH TAPE

FRONT DOOR SASH TAPE : Removal and Installation

INFOID:0000000010787466

REMOVAL

CAUTION:

Never damage painted surface of front door panel.

1. Remove front door sash molding. Refer to [EXT-49, "FRONT DOOR SASH MOLDING : Removal and Installation"](#).
2. Heat front door sash tape surface using a dryer, and then peel front door sash tape.

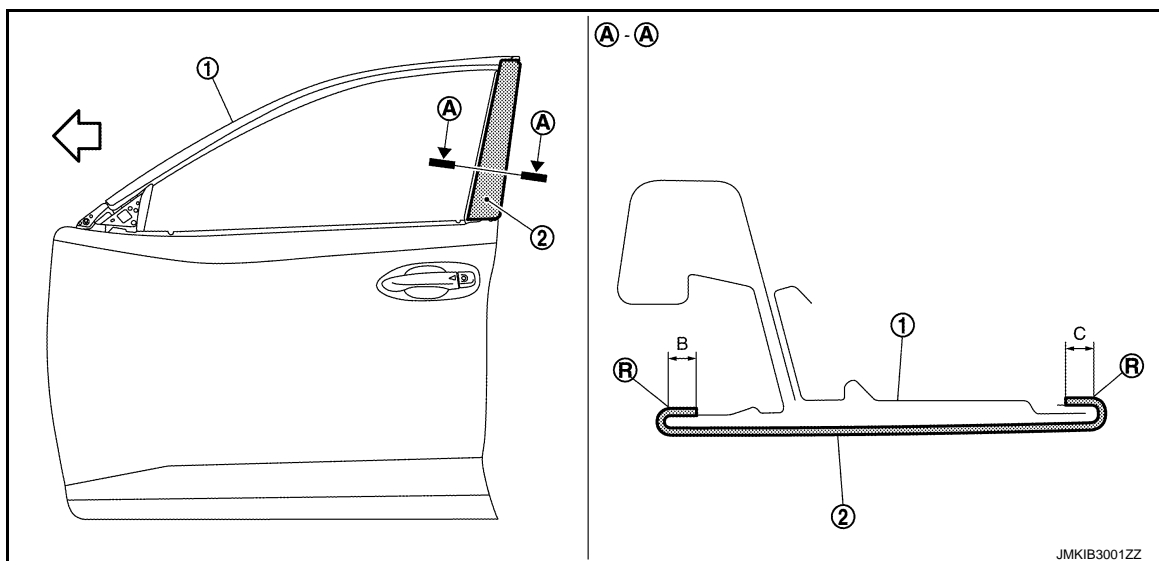
INSTALLATION

NOTE:

Refer to the figure for front door sash tape position and overlap distance between the front door sash tape.

DOOR SASH TAPE

< REMOVAL AND INSTALLATION >



① Front door panel ② Front door sash tape

Ⓡ R end

⇐ : Vehicle front

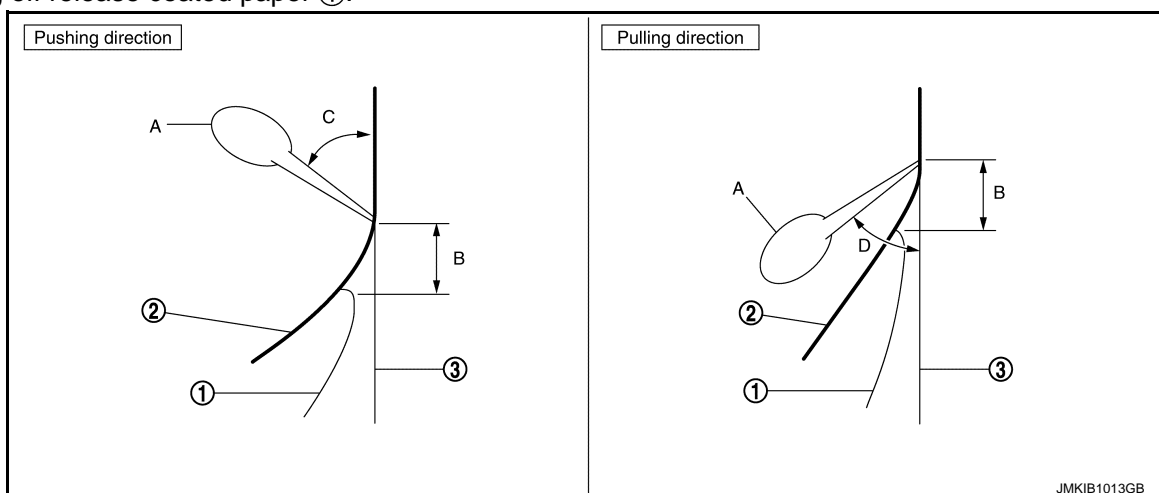
B 3.5 mm (0.138 in)

C 3.5 mm (0.138 in)

CAUTION:

- Degrease front door panel mounting surface for front door sash tape.
- Paint grain or dust on mounting surface of front door sash tape may spoil exterior appearance if it remains. Clean the mounting surface and check that no paint grain or dust remains, before starting the operation.
- Never reuse front door sash tape.

1. Affix front door sash tape ② to front 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 (0.394 – 0.787 in) ahead (B) of squeegee and affix front door sash tape.
- To prevent any bubbles from forming, slightly lift the portion, not yet affixed using 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) or 30 – 45° angle (pulling direction) (D).

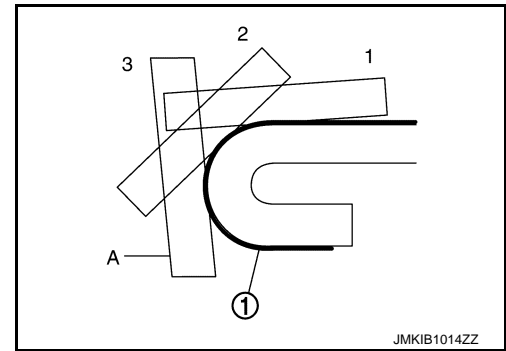
DOOR SASH TAPE

< REMOVAL AND INSTALLATION >

- For small radius portion of hemming part, gradually apply pressure and affix front door sash tape ① using squeegee (A) in 1→3 steps.

CAUTION:

Never wash the vehicle with in 24 hours so as to keep adhesive.



REAR DOOR SASH TAPE

REAR DOOR SASH TAPE : Removal and Installation

INFOID:000000010787467

REMOVAL

CAUTION:

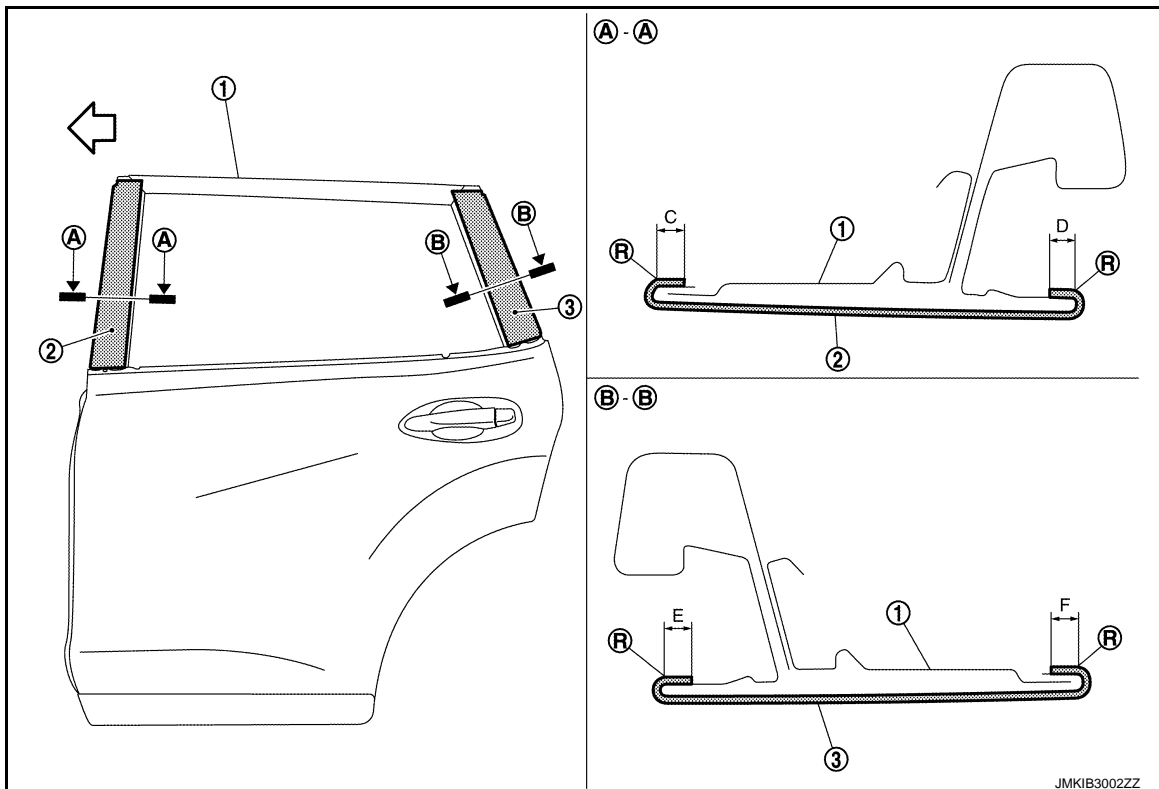
Never damage painted surface of rear door panel.

- Remove rear door glass. Refer to [GW-51, "REAR DOOR GLASS : Removal and Installation"](#).
- Remove rear door sash molding. Refer to [EXT-50, "REAR DOOR SASH MOLDING : Removal and Installation"](#).
- Remove rear door outside molding. Refer to [EXT-56, "REAR DOOR OUTSIDE MOLDING : Removal and Installation"](#).
- Heat rear door sash tape surface using a dryer, and then peel rear door sash tape.

INSTALLATION

NOTE:

Refer to the figure for rear door sash tape position and overlap distance the rear door sash tape.



① Rear door panel

② Rear door sash tape front

③ Rear door sash tape rear

DOOR SASH TAPE

< REMOVAL AND INSTALLATION >

Ⓔ R end

↩ : Vehicle front

C 3.0 mm (0.118 in)

D 3.5 mm (0.138 in)

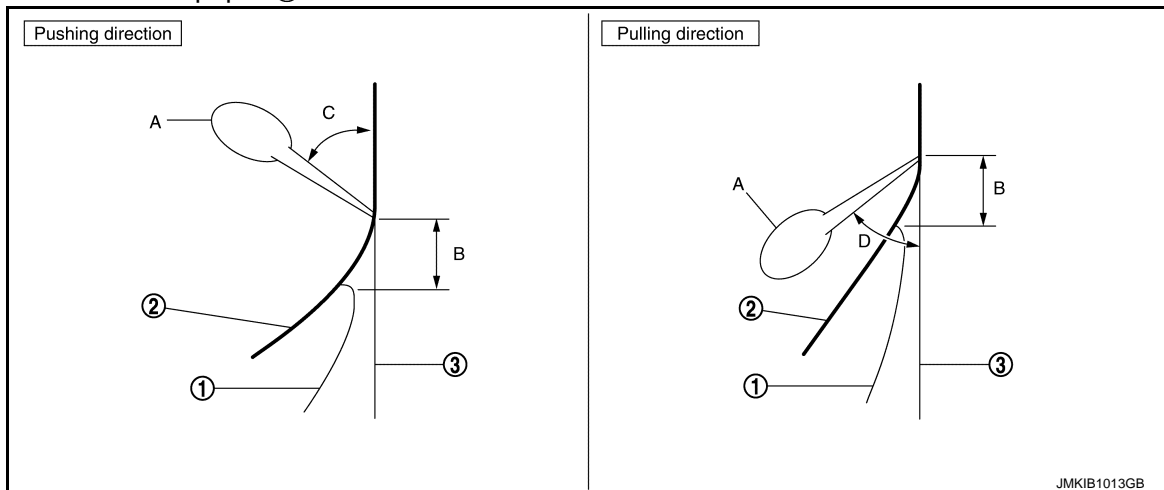
E 3.5 mm (0.138 in)

F 3.0 mm (0.118 in)

CAUTION:

- Degrease rear door panel mounting surface for rear door sash tape.
- Paint grain or dust on mounting surface of rear door sash tape may spoil exterior appearance if it remains. Clean the mounting surface and check that no paint grain or dust remains, before starting the operation.
- Never reuse rear door sash tape.

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

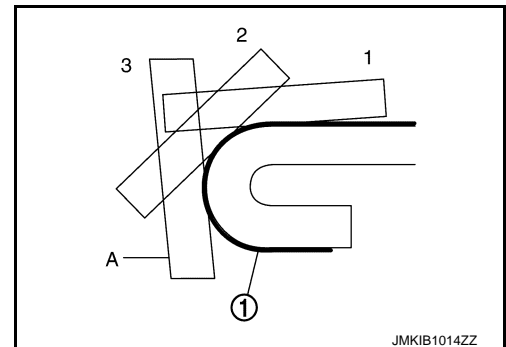


NOTE:

- Peel release coated paper at distance of 10 – 20 mm (0.394 – 0.787 in) ahead (B) of squeegee and affix rear door sash tape.
 - To prevent any bubbles from forming, slightly lift the portion, not yet affixed using 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) or 30 – 45° angle (pulling direction) (D).
2. For small radius portion of hemming part, gradually apply pressure and affix rear door sash tape ① using squeegee (A) in 1→3 steps.

CAUTION:

Never wash the vehicle with in 24 hours so as to keep adhesive.



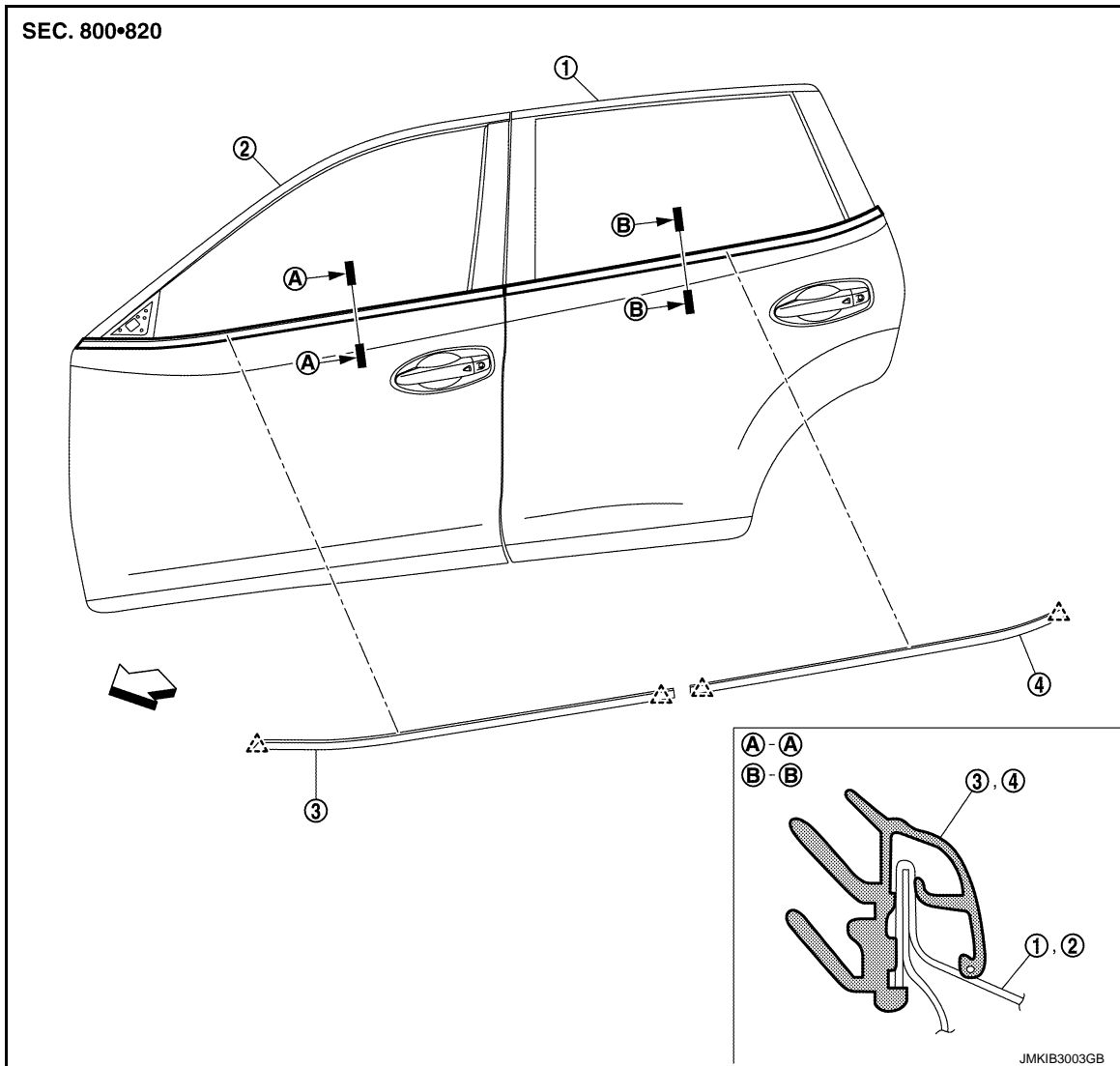
DOOR OUTSIDE MOLDING

< REMOVAL AND INSTALLATION >

DOOR OUTSIDE MOLDING

Exploded View

INFOID:0000000010787468



- ① Rear door panel
- ② Front door panel
- ③ Front door outside molding
- ④ Rear door outside molding
- △ : Pawl
- ⇐ : Vehicle front

FRONT DOOR OUTSIDE MOLDING

FRONT DOOR OUTSIDE MOLDING : Removal and Installation

INFOID:0000000010787469

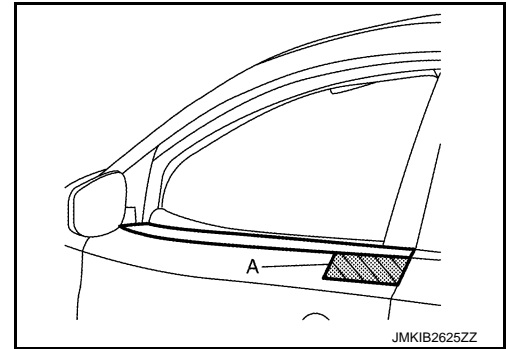
REMOVAL

1. Remove door mirror assembly. Refer to [MIR-27, "DOOR MIRROR ASSEMBLY : Removal and Installation"](#).

DOOR OUTSIDE MOLDING

< REMOVAL AND INSTALLATION >


2. Apply protective tape (A) on the part to protect it from damage.

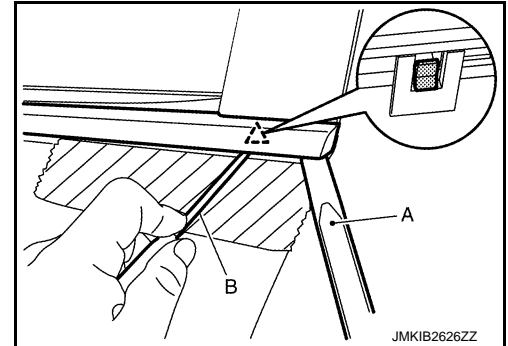


3. Disengage rear end of front door outside molding fixing pawl using remover tool (A) and (B).

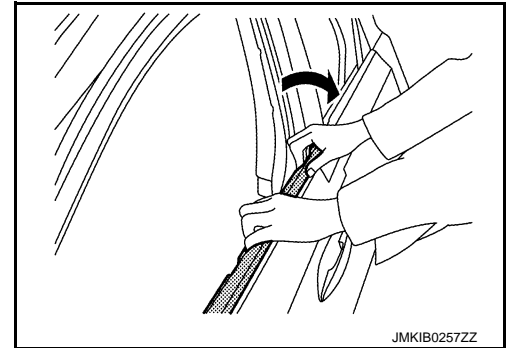
CAUTION:

Never lift front door outside molding with excessive force to prevent damage to the part.

 : Pawl



4. Twist front door outside molding toward the direction of the arrow in the figure, and then lift up and remove it.



INSTALLATION

Install in the reverse order of removal.

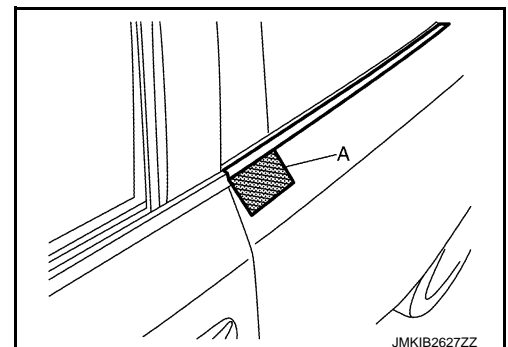
REAR DOOR OUTSIDE MOLDING

REAR DOOR OUTSIDE MOLDING : Removal and Installation

INFOID:0000000010787470

REMOVAL

1. Remove rear door glass. Refer to [GW-51. "REAR DOOR GLASS : Removal and Installation"](#).
2. Apply protective tape (A) on the part to protect it from damage.




DOOR OUTSIDE MOLDING

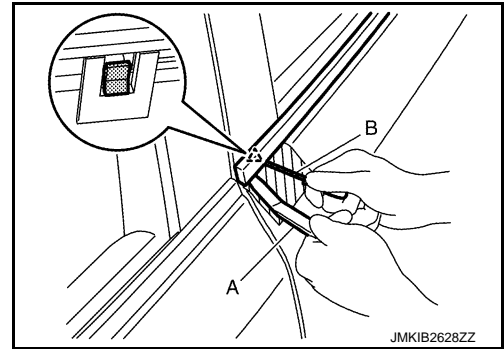
< REMOVAL AND INSTALLATION >

3. Disengage fixing pawl of rear door outside molding front and rear end, using remover tool (A) and (B).

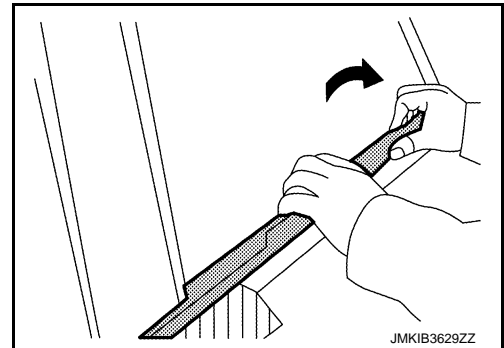
CAUTION:

Never lift rear door outside molding with excessive force to prevent damage to the part.

 : Pawl



4. Twist rear door outside molding toward the direction of the arrow in the figure, and then lift up and remove it.



INSTALLATION

Install in the reverse order of removal.

A
B
C
D
E
F
G
H
I
J
EXT
L
M
N
O
P

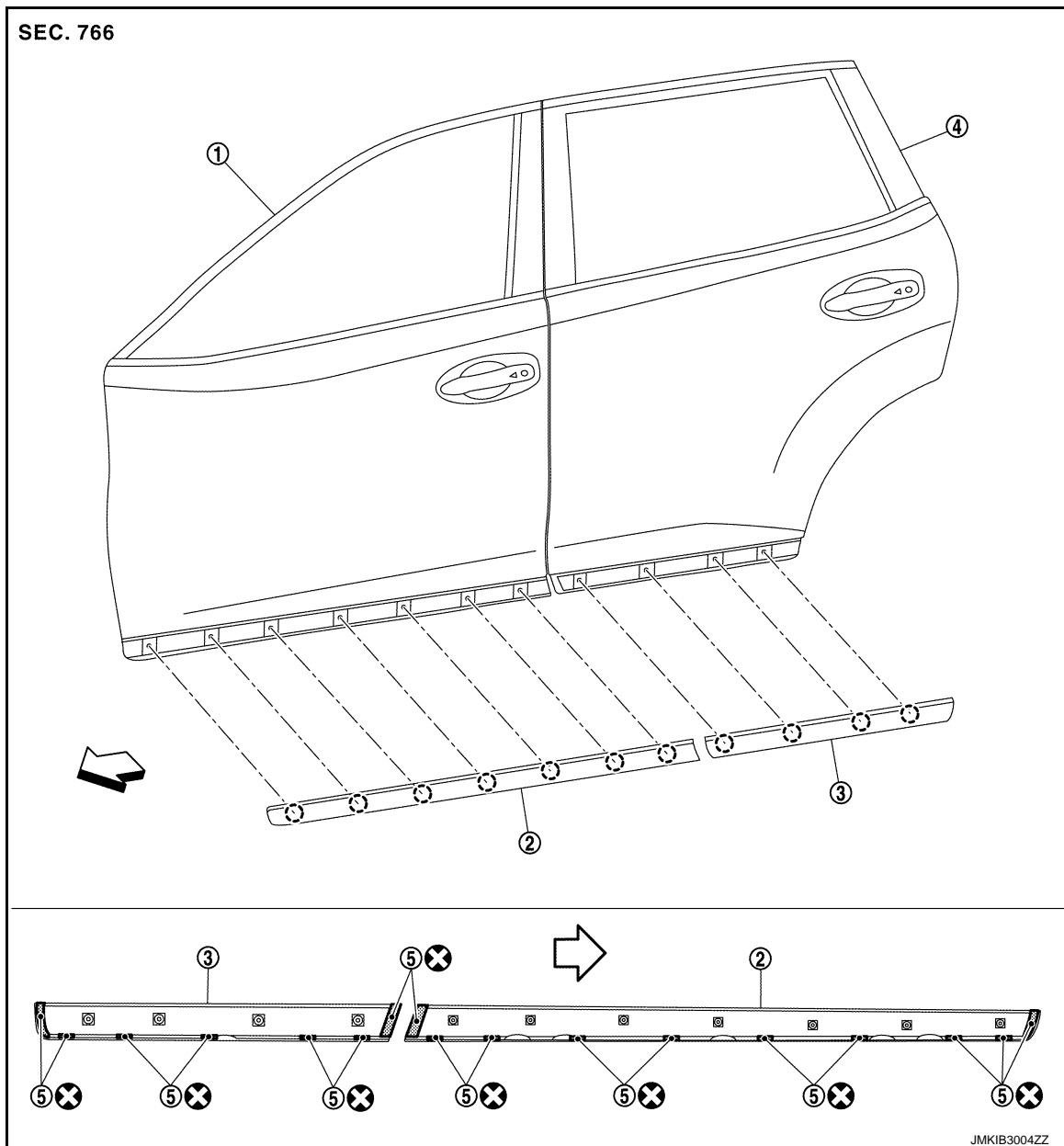
SIDE GUARD MOLDING

< REMOVAL AND INSTALLATION >

SIDE GUARD MOLDING

Exploded View

INFOID:000000010787471



① Front door panel

② Front side guard molding

③ Rear side guard molding

④ Rear door panel

⑤ Double-sided tape
[t: 1.2 mm (0.047 in)]

○ : Clip

◁ : Vehicle front

⊗ : Always replace after every disassembly.

FRONT SIDE GUARD MOLDING

FRONT SIDE GUARD MOLDING : Removal and Installation

INFOID:000000010787472

REMOVAL

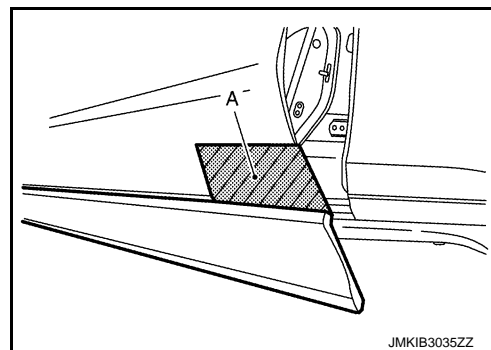
CAUTION:

SIDE GUARD MOLDING

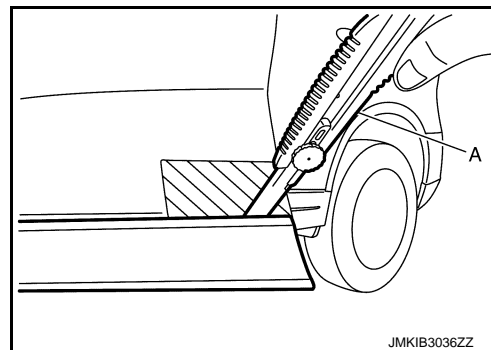
< REMOVAL AND INSTALLATION >

Never damage the front door panel.

1. Apply a protective tape (A) on the door panel to protect the painted surface from damage.

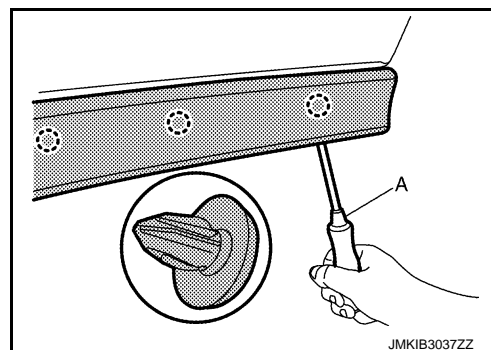


2. Cut double-sided tape using a cutter (A).



3. Disengage front side guard molding fixing clips using a remover tool (A), and then remove front side guard molding.

○ : Clip



INSTALLATION

Note the following items, and then install in the reverse order of removal.

CAUTION:

- Always replace double-sided tape with a new one, if front side guard molding is reused.
- Remove double-sided tape remaining on front door panel and back of front side guard molding with a double-sided tape remover, after removing front side guard molding.
- When installing front side guard molding, visually check the clips, then replace them with new parts if they are damaged.
- When installing front side guard molding, check that clips are securely in door panel holes, and press them in.
- Never wash the vehicle within 24 hours after installing so as to keep adhesive.

REAR SIDE GUARD MOLDING

REAR SIDE GUARD MOLDING : Removal and Installation

INFOID:0000000010787473

REMOVAL

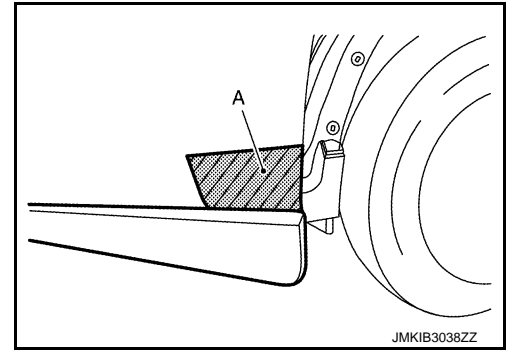
CAUTION:

Never damage the rear door panel.

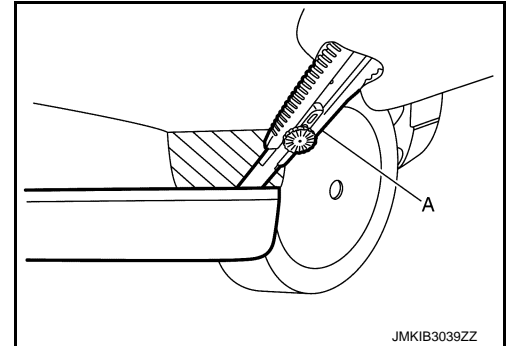
SIDE GUARD MOLDING

< REMOVAL AND INSTALLATION >

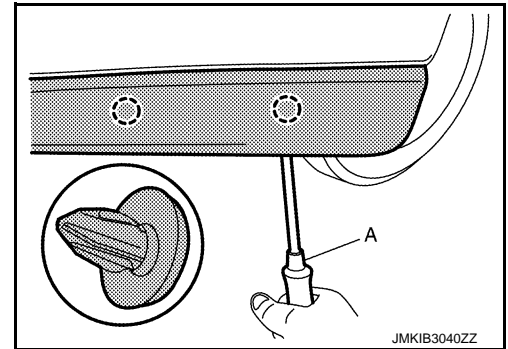
1. Apply a protective tape (A) on the door panel to protect the painted surface from damage.



2. Cut double-sided tape using a cutter (A).



3. Disengage rear side guard molding fixing clips using a remover tool (A), and then remove rear side guard molding.



INSTALLATION

Note the following items, and then install in the reverse order of removal.

CAUTION:

- Always replace double-sided tape with a new one, if rear side guard molding is reused.
- Remove double-sided tape remaining on rear door panel and back of rear side guard molding with a double-sided tape remover, after removing rear side guard molding.
- When installing rear side guard molding, visually check the clips, then replace them with new parts if they are damaged.
- When installing rear side guard molding, check that clips are securely in door panel holes, and press them in.
- Never wash the vehicle within 24 hours after installing so as to keep adhesive.

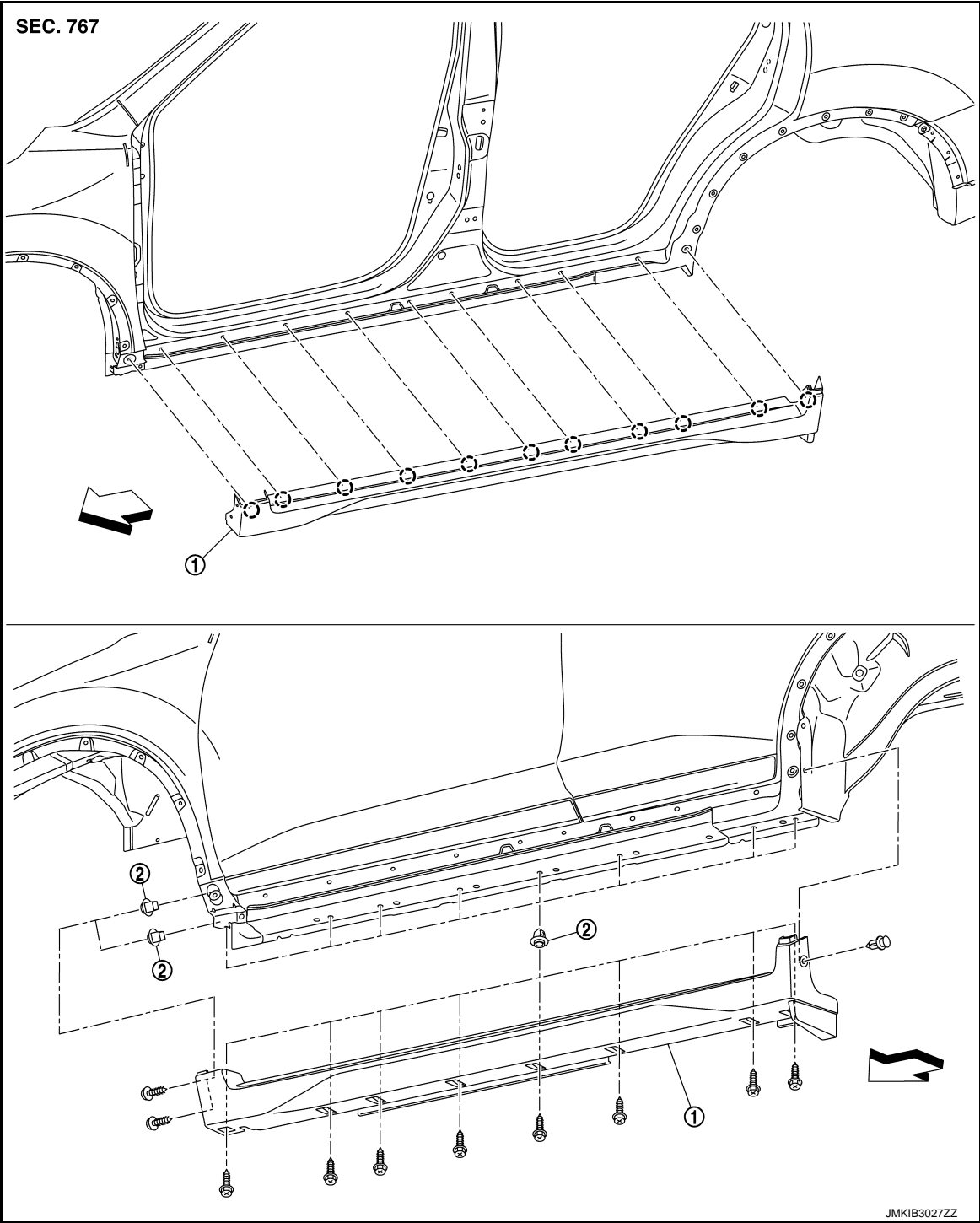
SILL COVER

< REMOVAL AND INSTALLATION >

SILL COVER

Exploded View

INFOID:0000000010787474



① Sill cover

② Grommet

⊖ : Clip

⇐ : Vehicle front

A
B
C
D
E
F
G
H
I
J
EXT
L
M
N
O
P

SILL COVER

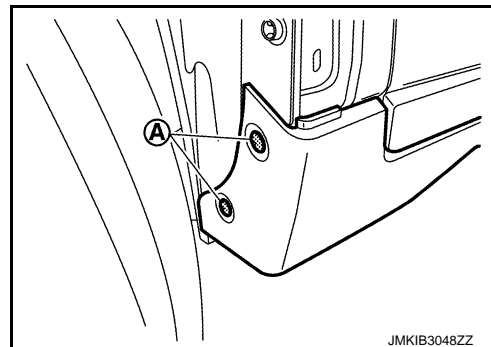
< REMOVAL AND INSTALLATION >

Removal and Installation

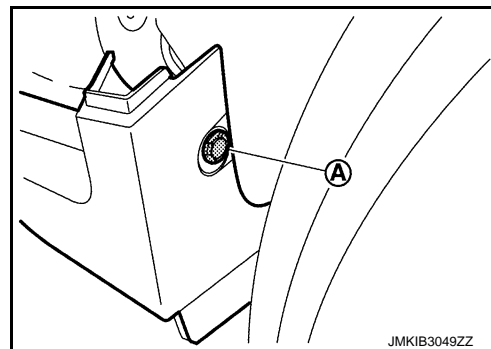
INFOID:000000010787475

REMOVAL

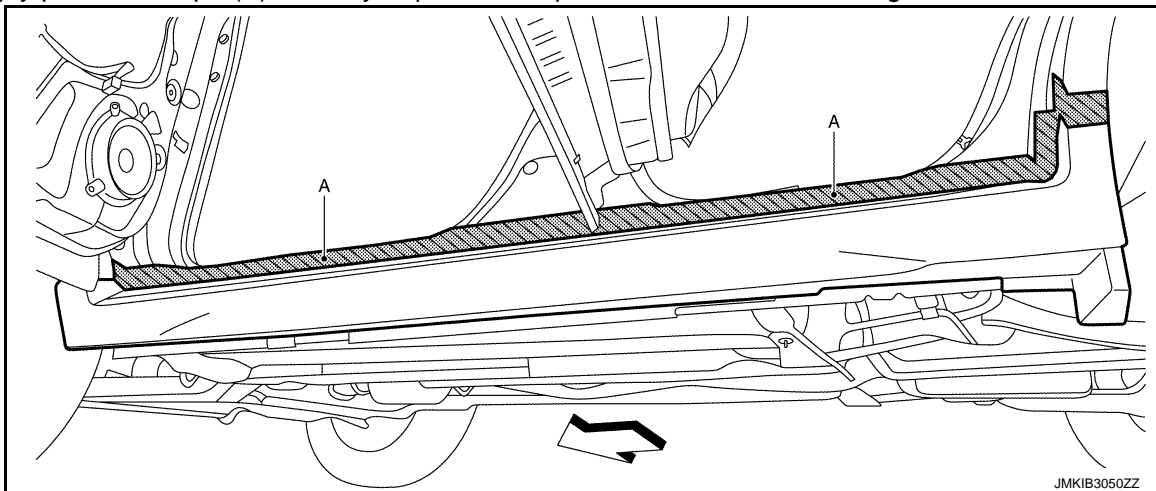
1. Remove front fillet molding. Refer to [EXT-32, "FRONT FILLET MOLDING : Removal and Installation"](#).
2. Remove rear fillet molding. Refer to [EXT-33, "REAR FILLET MOLDING : Removal and Installation"](#).
3. Remove sill cover fixing screws (A) of sill cover front side.



4. Remove sill cover fixing clip (A) of sill cover back side.



5. Remove sill cover mounting bolts of sill cover lower side.
6. Apply protective tape (A) on body to protect the painted surface from damage.



← : Vehicle front

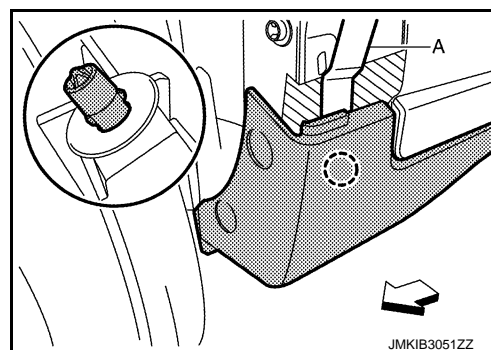
SILL COVER

< REMOVAL AND INSTALLATION >

7. Disengage sill cover fixing clips, using a remover tool (A), and then remove sill cover.

○ : Clip

⇐ : Vehicle front



INSTALLATION

Note the following items, install in the reverse order of removal.

CAUTION:

- When installing sill cover, visually check the clips, then replace them with new parts if they are damaged.
- When installing sill cover, check that clips are securely in door panel holes, and press them in.

EXT

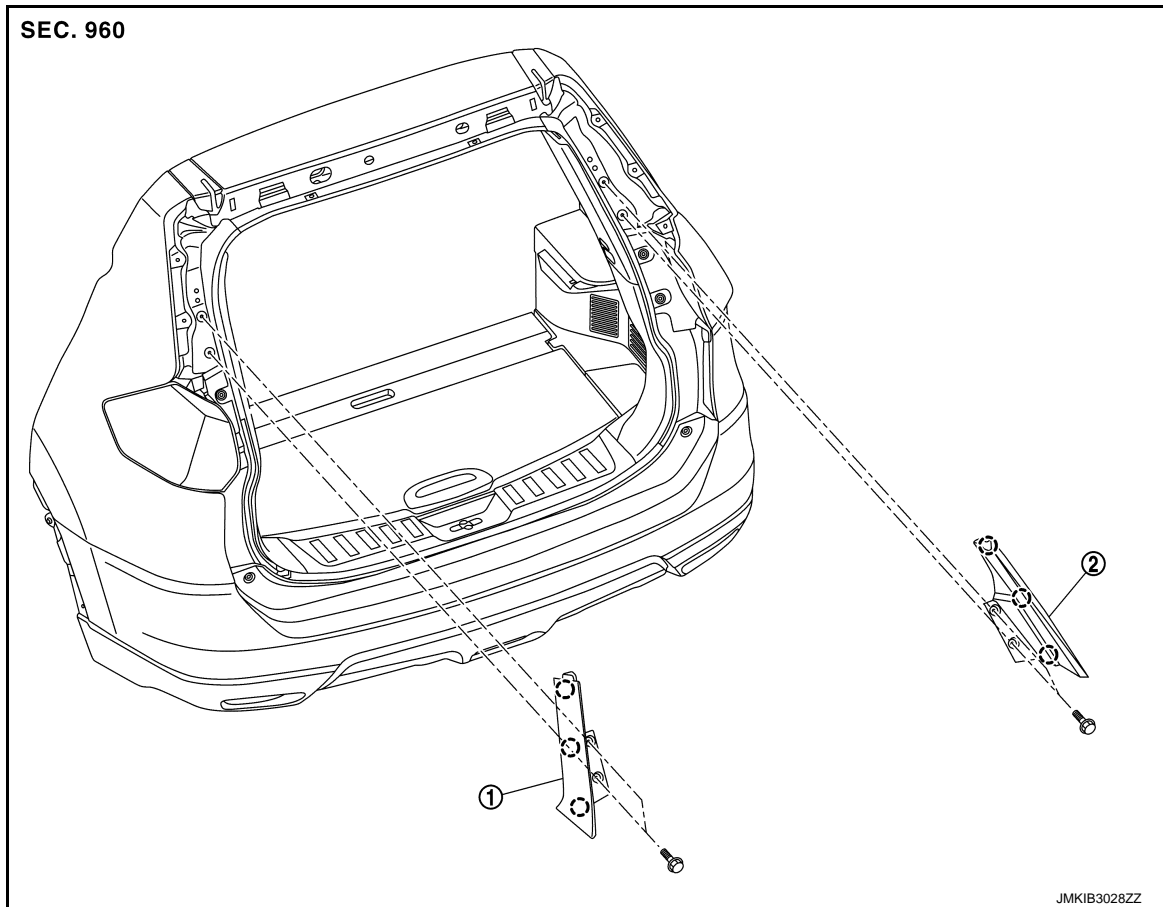
REAR SPOILER

< REMOVAL AND INSTALLATION >

REAR SPOILER

Exploded View

INFOID:0000000010787476

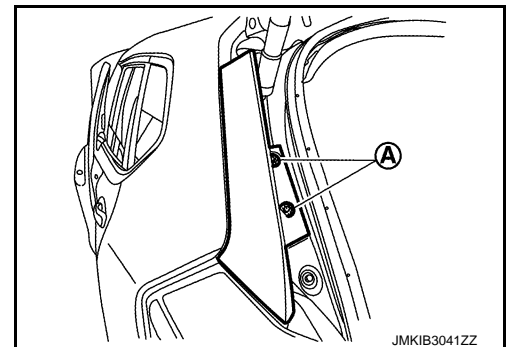


Removal and Installation

INFOID:0000000010787477

REMOVAL

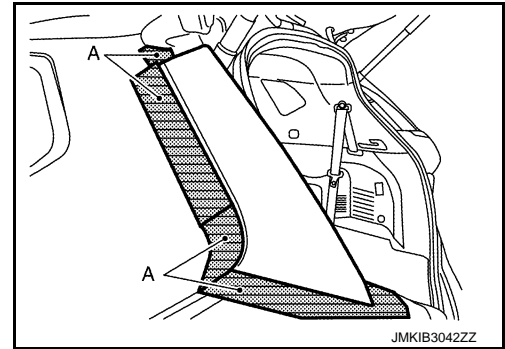
1. Fully open back door.
2. Remove rear spoiler mounting bolts (A).




REAR SPOILER

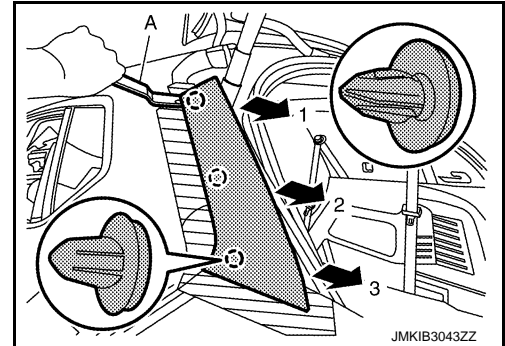
< REMOVAL AND INSTALLATION >

3. Apply protective tapes (A) on body to protect the painted surface from damage.



4. Disengage rear spoiler fixing clips using a remover tool (A) according to the numerical order 1→3 as shown in the figure, and then remove rear spoiler.

 : Clip



INSTALLATION

Note the following items, and then install in the reverse order of removal.

CAUTION:

- **Never damage the body panel.**
- **When installing rear spoiler, visually check the rear spoiler and the clips, then replace them with new parts if they are damaged.**
- **When installing rear spoiler, check that clips are securely in body panel holes, and press them in.**

EXT

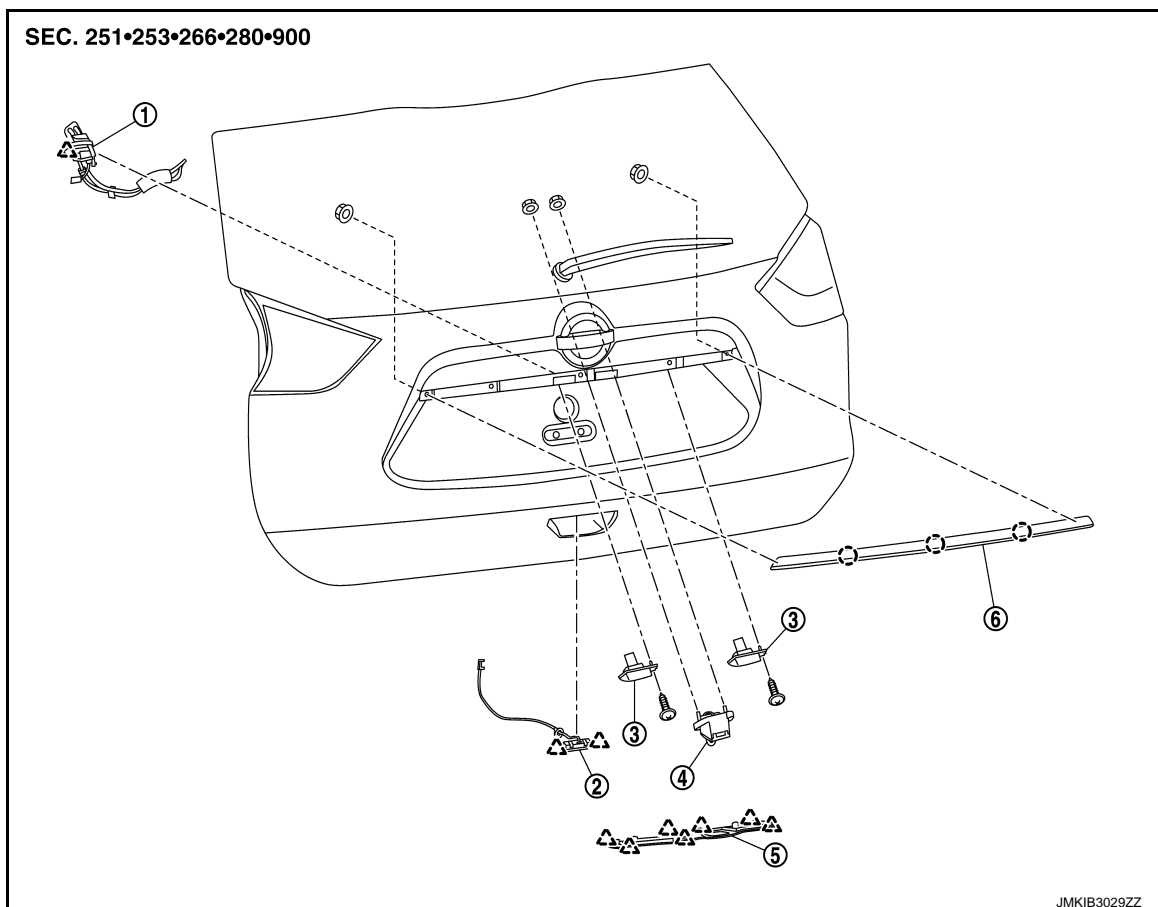
BACK DOOR FINISHER

< REMOVAL AND INSTALLATION >

BACK DOOR FINISHER

Exploded View

INFOID:000000010787478



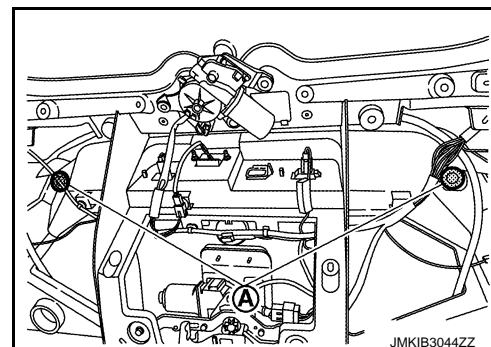
- | | | |
|---|------------------------------------|----------------------|
| ① Rear camera/Rear view camera
(if equipped) | ② Back door opener switch assembly | ③ License plate lamp |
| ④ Hands free sensor | ⑤ Back door finisher cap | ⑥ Back door finisher |
| ○ : Clip | | |
| △ : Pawl | | |

Removal and Installation

INFOID:000000010787479

REMOVAL

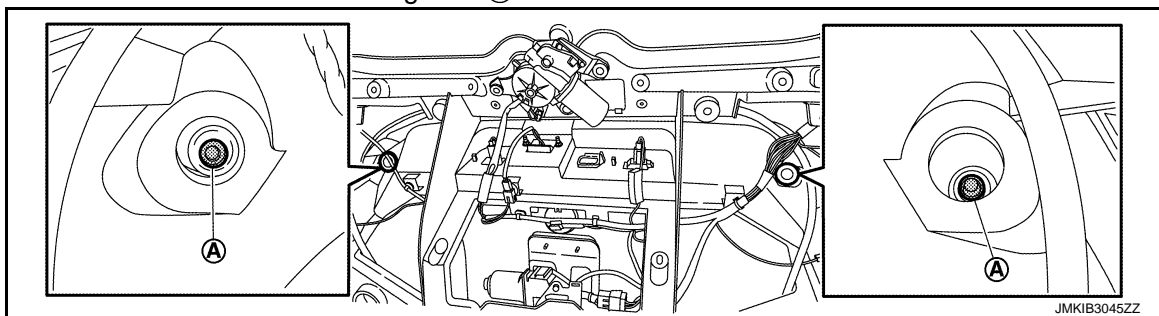
1. Remove back door inner finisher. Refer to [INT-47, "Removal and Installation"](#).
2. Remove cap cover (A).



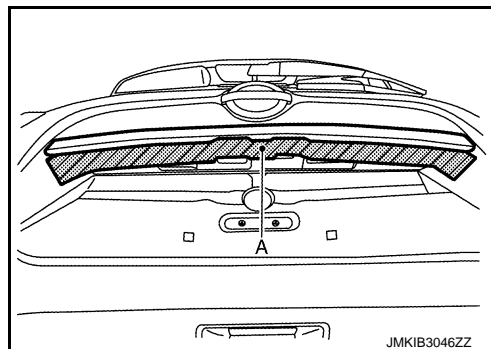
BACK DOOR FINISHER

< REMOVAL AND INSTALLATION >

3. Remove back door finisher mounting nuts (A).

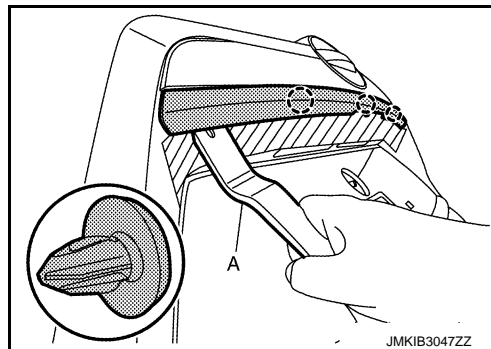


4. Apply protective tape (A) on body to protect the painted surface from damage.



5. Disengage back door finisher fixing clips using a remover tool (A), and then remove back door finisher.

○ : Clip



INSTALLATION

Note the following items, and then install in the reverse order of removal.

CAUTION:

- Never damage the back door panel.
- When installing back door finisher, visually check the back door finisher and the clips, then replace them with new parts if they are damaged.
- When installing back door finisher, check that clips are securely in back door panel holes, and press them in.