SECTION EXT
EXTERIOR

CONTENTS

PRECAUTION

PRECAUTIONS

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

INFOID:0000000012792605

The Supplemental Restraint System such as “AIR BAG” and “SEAT BELT PRE-TENSIONER”, used along with a front seat belt, helps to reduce the risk or severity of injury to the driver and front passenger for certain types of collision. This system includes seat belt switch inputs and dual stage front air bag modules. The SRS system uses the seat belt switches to determine the front air bag deployment, and may only deploy one front air bag, depending on the severity of a collision and whether the front occupants are belted or unbelted. Information necessary to service the system safely is included in the 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, it is recommended that all maintenance and repair be performed by an authorized NISSAN/INFINITI dealer.**
- **Improper repair, 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

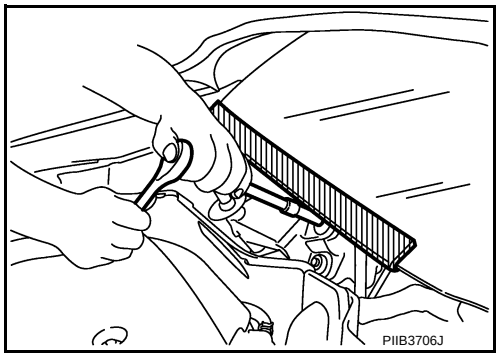
WARNING:

- **When working near the Air Bag Diagnosis Sensor Unit or other Air Bag 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 or batteries, and wait at least three minutes before performing any service.**

Procedure without Cowl Top Cover

INFOID:0000000012792606

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



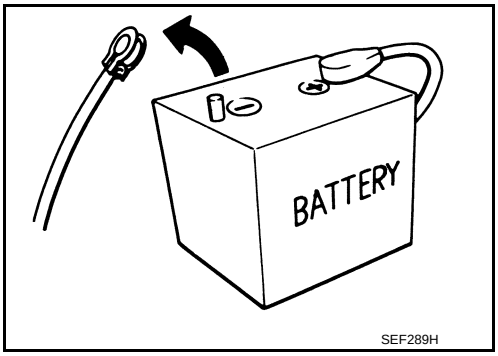
Precautions for Removing Battery Terminal

INFOID:0000000013472535

When disconnecting the battery terminal, pay attention to the following.

- Always use a 12V battery as power source.
- Never disconnect battery terminal while engine is running.

- When removing the 12V battery terminal, turn OFF the ignition switch and wait at least 30 seconds.
- For vehicles with the engine listed below, remove the battery terminal after a lapse of the specified time:



BR08DE	: 4 minutes	V9X engine	: 4 minutes
D4D engine	: 20 minutes	YD25DDTi	: 2 minutes
HR09DET	: 12 minutes	YS23DDT	: 4 minutes
HRA2DDT	: 12 minutes	YS23DDTT	: 4 minutes
K9K engine	: 4 minutes	ZD30DDTi	: 60 seconds
M9R engine	: 4 minutes	ZD30DDTT	: 60 seconds
R9M engine	: 4 minutes		

NOTE:
ECU may be active for several tens of seconds after the ignition switch is turned OFF. If the battery terminal is removed before ECU stops, then a DTC detection error or ECU data corruption may occur.

- After high-load driving, if the vehicle is equipped with the V9X engine, turn the ignition switch OFF and wait for at least 15 minutes to remove the battery terminal.

NOTE:
- Turbocharger cooling pump may operate in a few minutes after the ignition switch is turned OFF.
- Example of high-load driving
  - Driving for 30 minutes or more at 140 km/h (86 MPH) or more.
  - Driving for 30 minutes or more on a steep slope.

- 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.

Precaution for Work

INFOID:0000000012792608

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

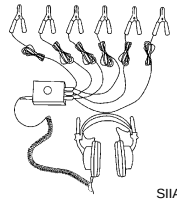
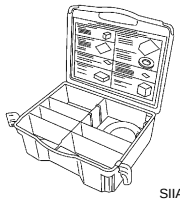
PREPARATION

PREPARATION

Special Service Tools

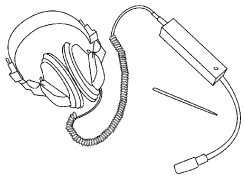
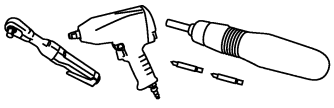
INFOID:0000000012792610

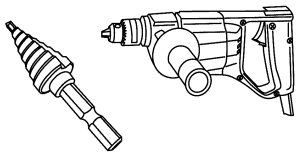
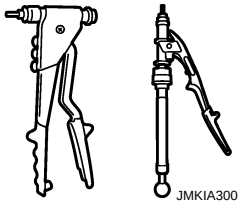
The actual shapes of Kent-Moore tools may differ from those of special service tools illustrated here.

Tool number (Kent-Moore No.) Tool name	Description
(J-39570) Chassis ear  SIIA0993E	Locates the noise
(J-50397) NISSAN Squeak and Rattle Kit  SIIA0994E	Repairs the cause of noise

Commercial Service Tools

INFOID:0000000012792611

Tool name	Description
Engine ear  SIIA0995E	Locates the noise
Power tool  PIIB1407E	

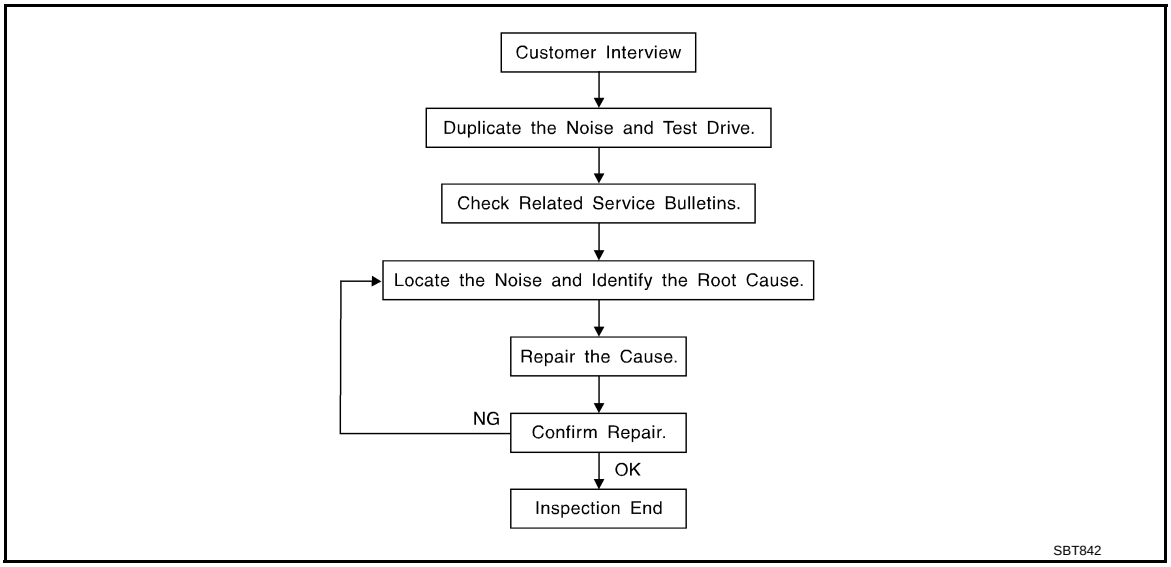
Tool name	Description
Drill  JMKIB1809ZZ	
Hand nut rivet setter  JMKIA3000ZZ	Install bumper side bracket and license plate

SYMPTOM DIAGNOSIS

SQUEAK AND RATTLE TROUBLE DIAGNOSES

Work Flow

INFOID:0000000012792612



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 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, perform a diagnosis and repair the noise that the customer is concerned about. This can be accomplished by performing 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 that the customer, service adviser, and technician use the same language when describing 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 = high-pitched noise / softer surfaces = low-pitched 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 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 sounds / 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 / dull sounds often brought on by activity.
- Buzz – (Like a bumblebee)
  Buzz characteristics include high frequency rattle / firm contact.
- Often the degree of acceptable noise level varies depending upon the person. A noise that a technician may judge as acceptable may be very irritating to a customer.
- Weather conditions, especially humidity and temperature, may have a great effect on noise level.

DUPLICATE THE NOISE AND TEST DRIVE

If possible, drive the vehicle with the customer until the noise is duplicated. Note any additional information on the Diagnostic Worksheet regarding the conditions or location of the noise. This information can be used to duplicate the same conditions when 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 items:
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 models, drive position on 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 the concern or symptom.
If a TSB relates to the symptom, follow the procedure to repair the noise.

LOCATE THE NOISE AND IDENTIFY THE ROOT CAUSE

1. Narrow down the noise to a general area. To help pinpoint the source of the noise, use a listening tool (Chassis ear: J-39570, engine ear, and mechanics stethoscope).
2. Narrow down the noise to a more specific area and identify the cause of the noise by:

- Removing the component(s) 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 fasteners can be broken or lost during the repair, resulting in the creation of new noise.
- Tapping or pushing/pulling the component(s) that is / are suspected to be the cause of the noise.
  Do not tap or push/pull the component(s) with excessive force, otherwise the noise is 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 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 components, 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 the authorized NISSAN Parts Department.

CAUTION:
Never use excessive force as many components are constructed of plastic and may be damaged.
NOTE:
Always check with the Parts Department for the latest parts information.
The following materials are contained in the NISSAN Squeak and Rattle Kit (J-50397). Each item can be ordered separately as needed.
URETHANE PADS [1.5 mm (0.059 in) thick]
Insulates connectors, harness, etc.
- 76268-9E005: 100 × 135 mm (3.937 × 5.315 in)
- 76884-71L01: 60 × 85 mm (2.362 × 3.346 in)
- 76884-71L02: 15 × 25 mm (0.591 × 0.984 in)

INSULATOR (Foam blocks)
Insulates components from contact. Can be used to fill space behind a panel.
- 73982-9E000: 45 mm (1.772 in) thick, 50 × 50 mm (1.969 × 1.969 in)
- 73982-50Y00: 10 mm (0.394 in) thick, 50 × 50 mm (1.969 × 1.969 in)

INSULATOR (Light foam block)
80845-71L00: 30 mm (1.181 in) thick, 30 × 50 mm (1.181 × 1.969in)
FELT CLOTHTAPE

Used to insulate where movement does not occur. Ideal for instrument panel applications.
- 68370-4B000: 15 × 25 mm (0.591 × 0.984 in) pad
- 68239-13E00: 5 mm (0.197 in) wide tape roll

The following materials, not found in the kit, can also be used to repair squeaks and rattles.

UHMW (TEFLON) TAPE
Insulates where slight movement is present. Ideal for instrument panel applications.

SILICONE GREASE
Used in place of UHMW tape that is visible or does not fit. Only lasts a few months.

SILICONE SPRAY
Used when grease cannot be applied.

DUCT TAPE
Used to eliminate movement.

CONFIRM THE REPAIR

After repair is complete, test drive the vehicle to confirm that the cause of 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

INFOID:0000000012792613

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

INSTRUMENT PANEL

Most incidents are caused by contact and movement between:

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

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

CAUTION:
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 check 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

Check the following items:

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

Tapping, 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 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 customer.
In addition check for the following items:

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 items:

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

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.

Causes 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 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.

Diagnostic Worksheet

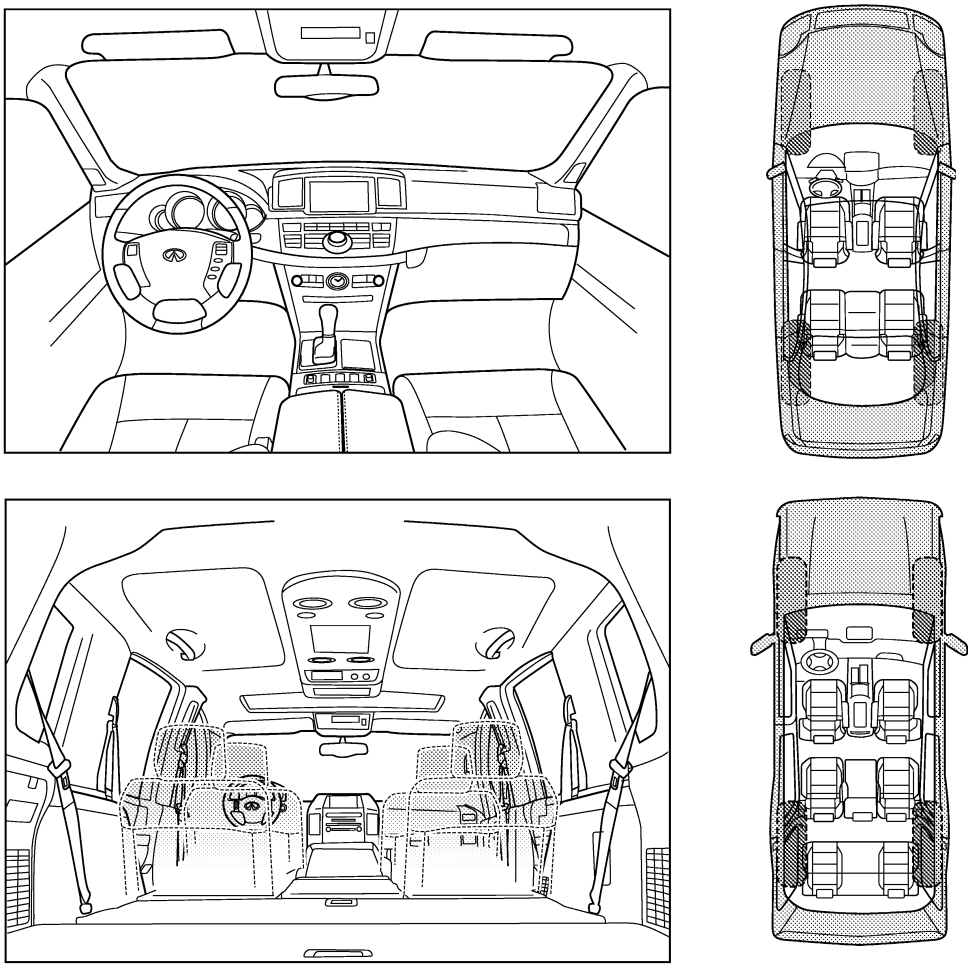
INFOID:0000000012792614

INFINITI

SQUEAK & RATTLE DIAGNOSTIC WORKSHEET

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

I. WHERE DOES THE NOISE COME FROM? (circle the area of the vehicle)
The illustrations are for reference only, and may not reflect the actual configuration of your vehicle.



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

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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
- ☐ 1st time in the morning
- ☐ only when it is cold outside
- ☐ only when it is hot outside
- ☐ after sitting out in the rain
- ☐ when it is raining or wet
- ☐ dry or dusty conditions
- ☐ 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

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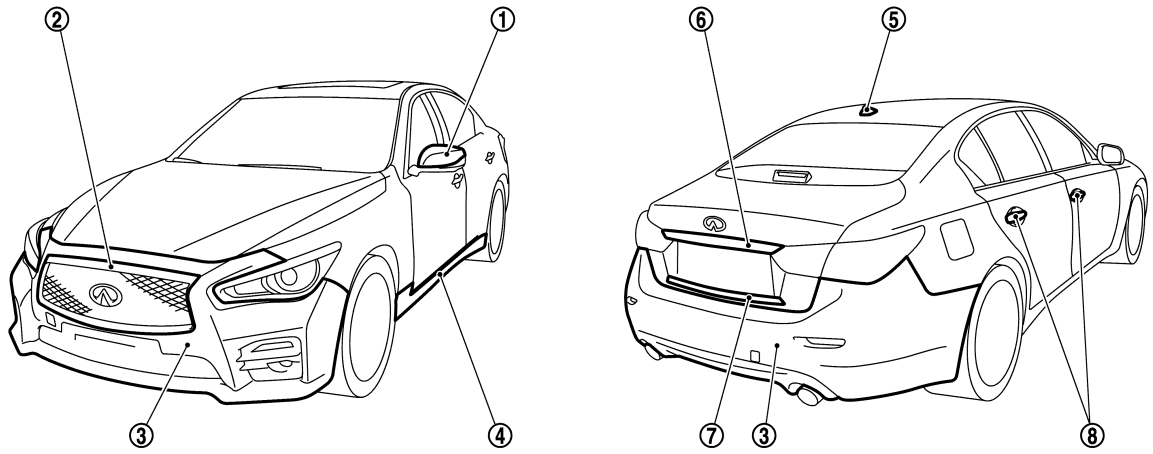
VEHICLE INFORMATION

BODY EXTERIOR PAINT COLOR

Body Exterior Paint Color

INFOID:0000000013480128



JSKIA3260ZZ

Component			Color code	BCAN	BGAC	BK23	BKAD	BKH3	BNAH	BQAB	BRAY	BRBP
			Description	Brown	Black	Silver	Gray	Black	Red	White	Blue	Gray-ish Blue
			Paint type [note]	2M	2P	2M	2M	2S	2PM	3P	2P	2M
			Anti scratch advanced paint	×	×	×	×	×	×	×	×	×
①	Door mirror cover		Body color	BCAN	BGAC	BK23	BKAD	BKH3	BNAH	BQAB	BRAY	BRBP
②	Front grille		Chromium plate	Cr	Cr	Cr	Cr	Cr	Cr	Cr	Cr	Cr
③	Bumper fascia		Body color	BCAN	BGAC	BK23	BKAD	BKH3	BNAH	BQAB	BRAY	BRBP
④	Sill cover		Body color	BCAN	BGAC	BK23	BKAD	BKH3	BNAH	BQAB	BRAY	BRBP
⑤	Antenna base cover		Body color	BCAN	BGAC	BK23	BKAD	BKH3	BNAH	BQAB	BRAY	BRBP
⑥	Trunk lid finisher		Chromium plate	Cr	Cr	Cr	Cr	Cr	Cr	Cr	Cr	Cr
⑦	Trunk lid molding		Chromium plate	Cr	Cr	Cr	Cr	Cr	Cr	Cr	Cr	Cr
⑧	Door outside handle	Grip body	Body color	BCAN	BGAC	BK23	BKAD	BKH3	BNAH	BQAB	BRAY	BRBP
		Grip finisher	Chromium plate	Cr	Cr	Cr	Cr	Cr	Cr	Cr	Cr	Cr

NOTE:

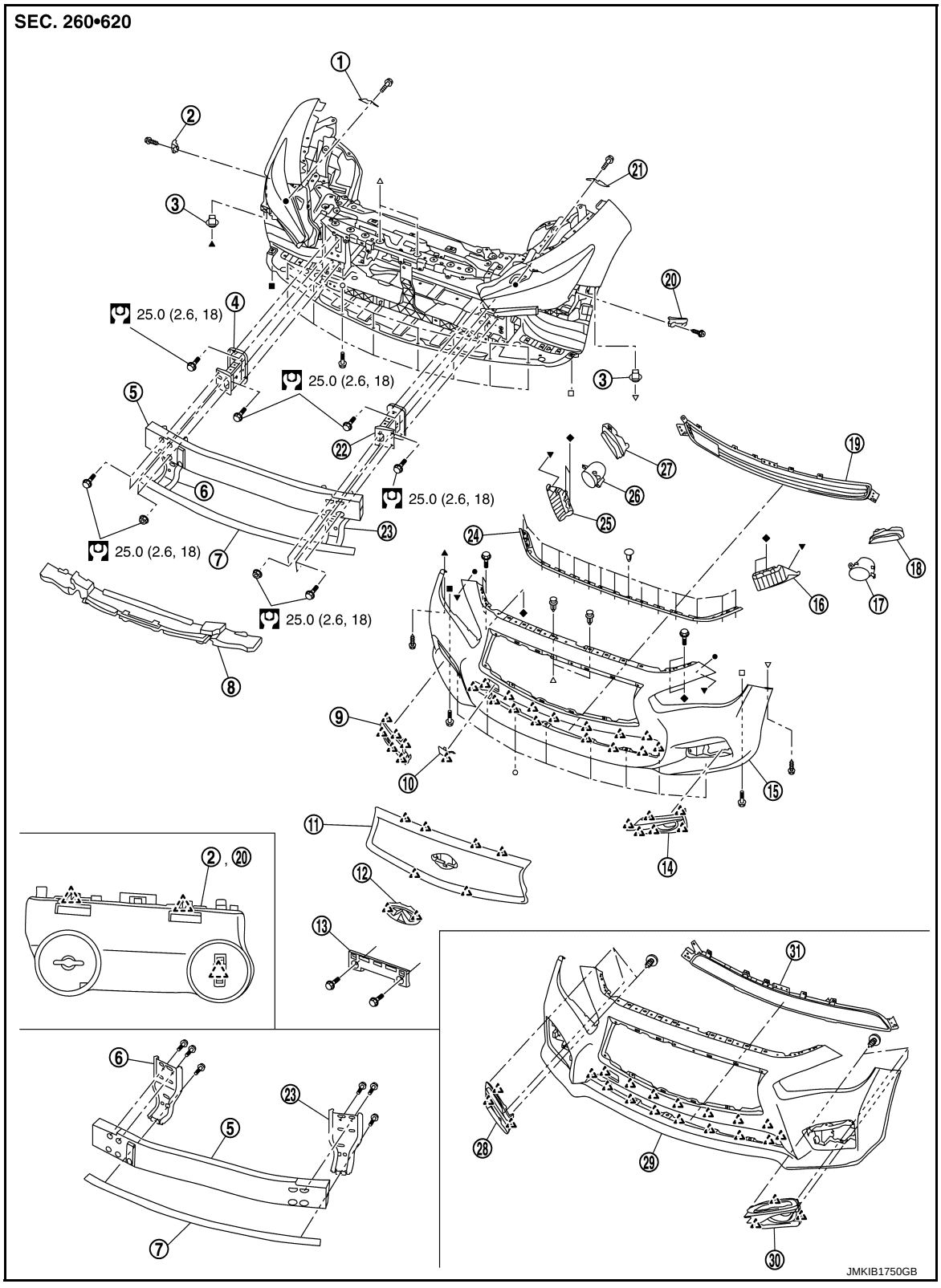
- 2M: 2 coat metallic
- 2P: 2 coat pearl
- 2S: 2 coat solid
- 3P: 3 coat pearl
- 2PM: 2 coat pearl metallic

REMOVAL AND INSTALLATION

FRONT BUMPER

Exploded View

INFOID:0000000012792615



① Front bumper side bracket RH	② Front bumper fascia bracket RH	③ Grommet
④ Front bumper stay RH	⑤ Front bumper reinforcement	⑥ Apron side bracket RH
⑦ Front apron reinforcement	⑧ Front bumper energy absorber	⑨ Front bumper finisher RH (normal grade)
⑩ Bumper bracket cover	⑪ Front grille	⑫ Emblem
⑬ License plate bracket	⑭ Front bumper finisher LH (normal grade)	⑮ Front bumper fascia assembly (normal grade)
⑯ Front bumper side stiffener LH	⑰ Front fog lamp assembly LH	⑱ Front turn signal lamp LH
⑲ Front bumper grille	⑳ Front bumper fascia bracket LH	㉑ Front bumper side bracket LH
㉒ Front bumper stay LH	㉓ Apron side bracket LH	㉔ Hood front seal
㉕ Front bumper side stiffener RH	㉖ Front fog lamp assembly RH	㉗ Front turn signal lamp RH
㉘ Front bumper finisher RH (sport grade)	㉙ Front bumper fascia assembly (sport grade)	㉚ Front bumper finisher LH (sport grade)
㉛ Front bumper grille (sport grade)		

: Pawl

: N·m (kg-m, ft-lb)

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

Removal and Installation

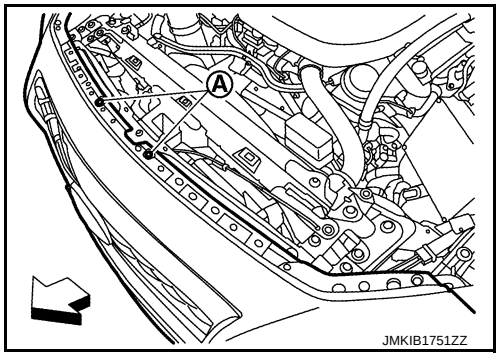
INFOID:0000000012792616

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

REMOVAL

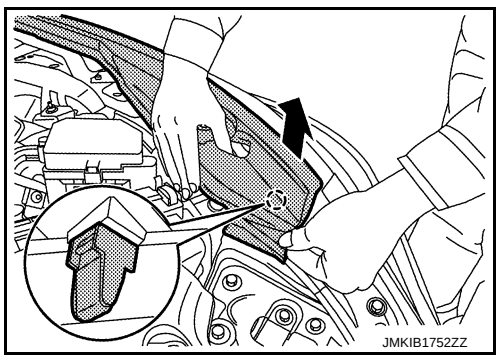
1. Fully open hood assembly.
2. Remove air intake cover fixing clips, and then remove air intake cover.
3. Remove front bumper fascia assembly fixing clips Ⓐ of bumper upper side.

: Vehicle front

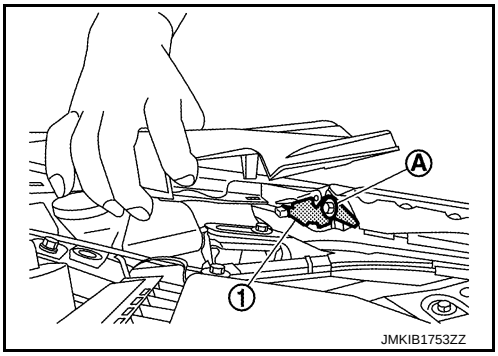


4. Remove fender side seal assembly fixing clip of fender side seal assembly front side (LH and RH).

: Clip

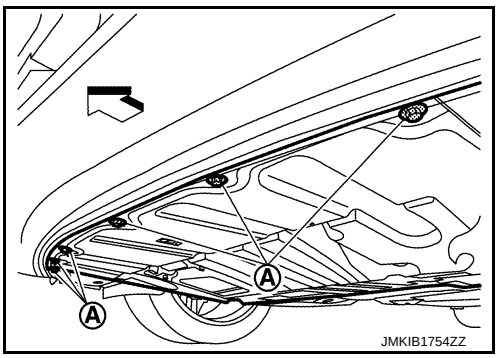


5. Remove front bumper side bracket ① mounting bolt Ⓐ, and then remove front bumper side bracket (LH and RH).



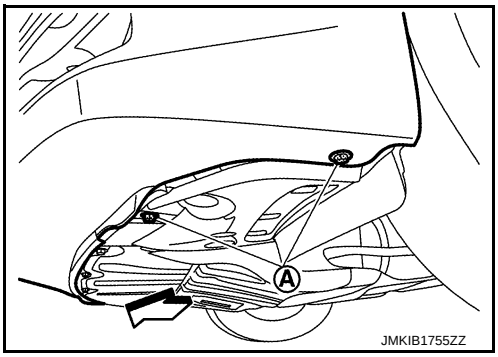
6. Remove front bumper fascia assembly mounting bolts Ⓐ of bumper lower side.

⇦ : Vehicle front

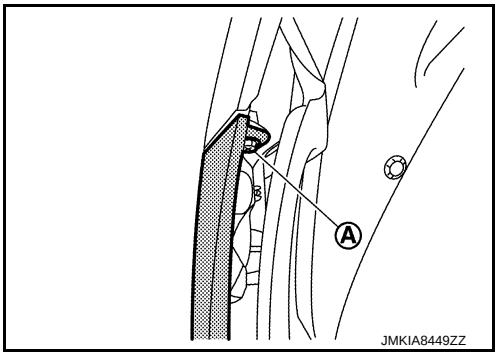


7. Remove fender protector mounting bolts Ⓐ from front side of front fender protector front (LH and RH).

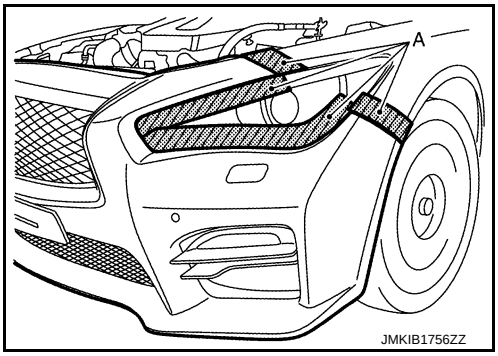
⇦ : Vehicle front



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



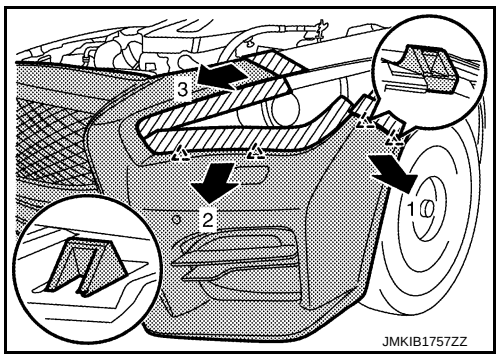
9. Apply protective tape (A) on the part to protect it from damage.



10. 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→3 as shown by the arrows in the figure.

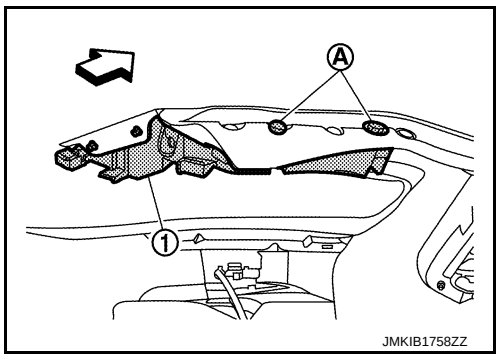
CAUTION:
When removing bumper fascia assembly, 2 workers are required so as to prevent it from dropping.

: Pawl



11. Disconnect front fog lamp harness connectors (LH and RH).
12. Disconnect front turn signal lamp harness connectors (LH and RH).
13. Disconnect sonar sensor harness connector of front bumper fascia right side (if equipped).
14. Disconnect front camera harness connector of front bumper fascia right side (if equipped).
15. Remove front bumper fascia assembly.
16. Remove the following parts after removing front bumper fascia assembly.
    - Front fog lamp assembly. Refer to EXL-216, "Removal and Installation".
    - Front turn signal lamp. Refer to EXL-214, "Removal and Installation".
    - Sonar sensor (if equipped). Refer to the following.
    - FRONT CENTER SENSOR: AV-624, "FRONT CENTER SENSOR : Removal and Installation".
    - CORNER SENSOR: AV-626, "CORNER SENSOR AND REAR CENTER SENSOR : Removal and Installation"
    - Front camera (if equipped). Refer to AV-620, "Removal and Installation".
    - Front grille. Refer to EXT-25, "Removal and Installation".
    - Hood front seal.
    - Bumper bracket cover
    - Front bumper grille
    - License plate bracket
    - Bumper harness
17. Remove front bumper side stiffener ① mounting bolts Ⓐ of bumper upper side, and then remove front bumper side stiffener (LH and RH).

: Vehicle front

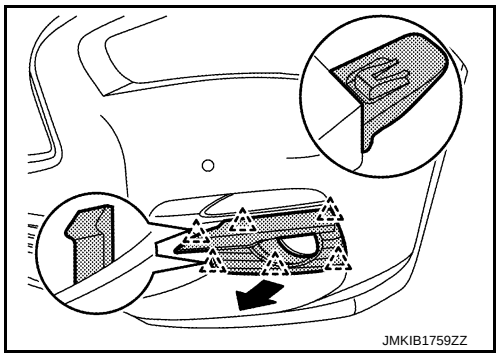


18. Remove front bumper finisher.

Normal grade

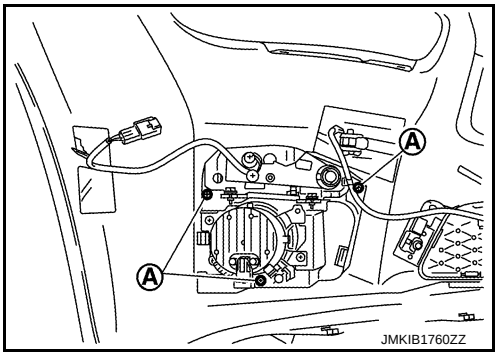
1. Disengage front bumper finisher fixing pawls, and then remove front bumper finisher (LH and RH) as shown by the arrows in the figure.

: Pawl



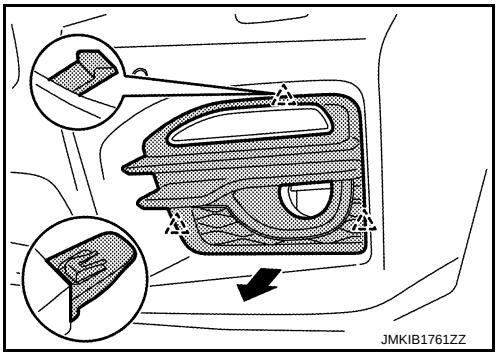
Sport grade

1. Remove front bumper finisher fixing screws Ⓐ of front bumper fascia back side.



2. Disengage front bumper finisher fixing pawls, and then remove front bumper finisher (LH and RH) as shown by the arrows in the figure.

: Pawl



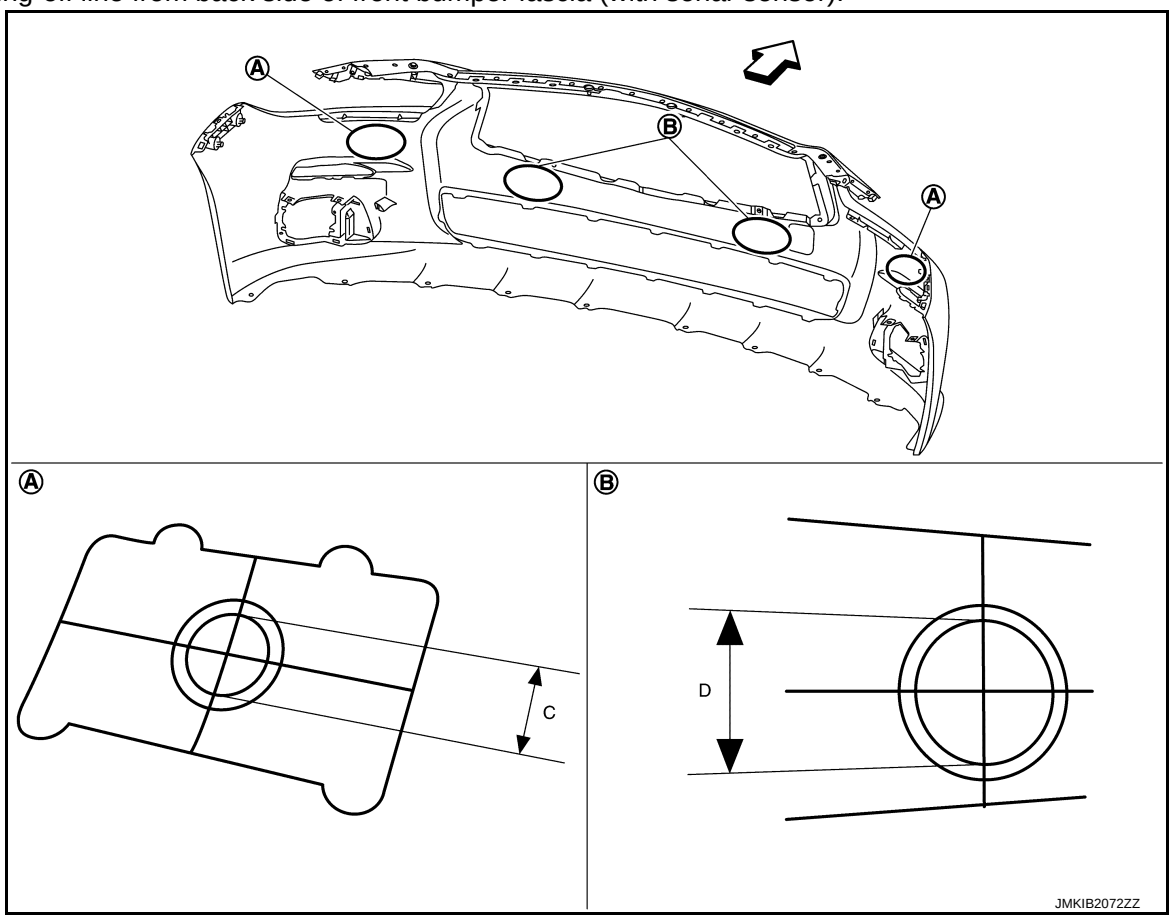
19. Remove front bumper fascia bracket fixing screws, and then remove front bumper fascia bracket (LH and RH).
20. Remove front bumper energy absorber.
21. Remove ICC SENSOR. Refer to CCS-166, "Removal and Installation".
22. Remove air guide (LH and RH). Refer to DLK-187, "2.0L TURBO GASOLINE ENGINE : Exploded View".
23. Remove front bumper reinforcement mounting nuts and bolts, and then remove front bumper reinforcement.
24. Remove the following parts after removing front bumper reinforcement.
    - Apron side bracket (LH and RH)
    - Front apron reinforcement
25. 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:

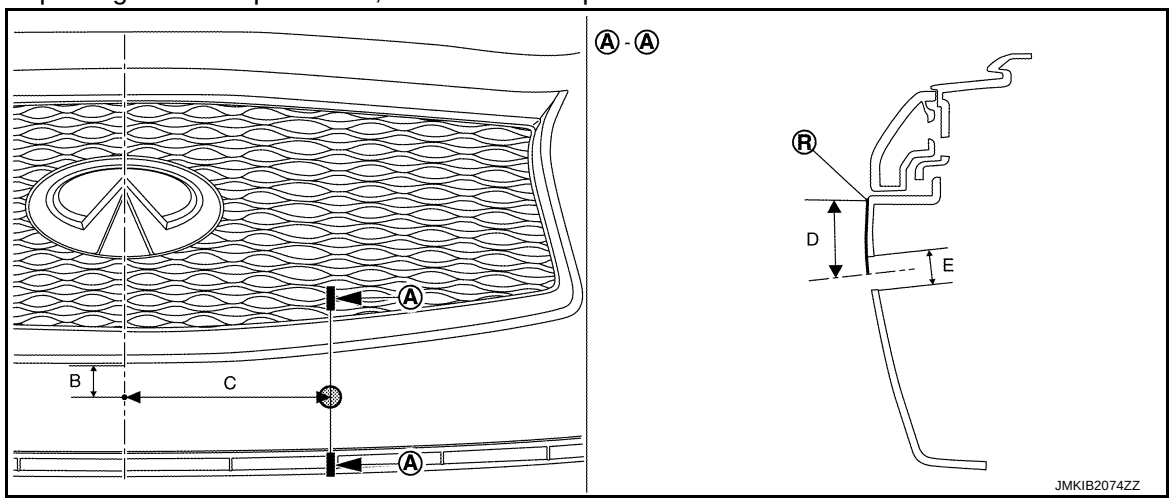
- When replacing front bumper fascia, drill the sonar sensor installation holes in the Ⓐ and Ⓑ parts of the marking-off line from back side of front bumper fascia (with sonar sensor).



⇦ : Vehicle front

Portion	Diameter
C	ϕ18.0 mm (ϕ0.709 in)
D	ϕ32.0 mm (ϕ1.260 in)

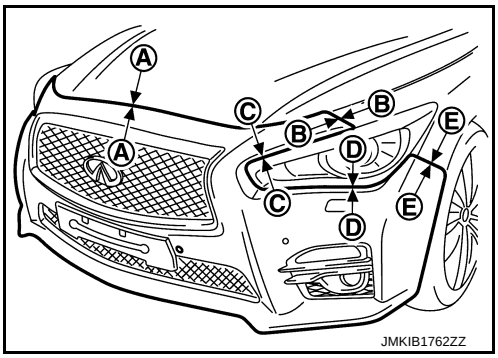
- When replacing front bumper fascia, drill the license plate bracket installation holes as shown in the figure.



Portion	Dimension/Diameter
B	20.0 mm (0.787 in) *
C	120.0 mm (4.724 in) *
D	22.6 mm (0.890 in) *
E	ϕ9.0 mm (ϕ0.345 in)

*: Dimension along the surface.

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

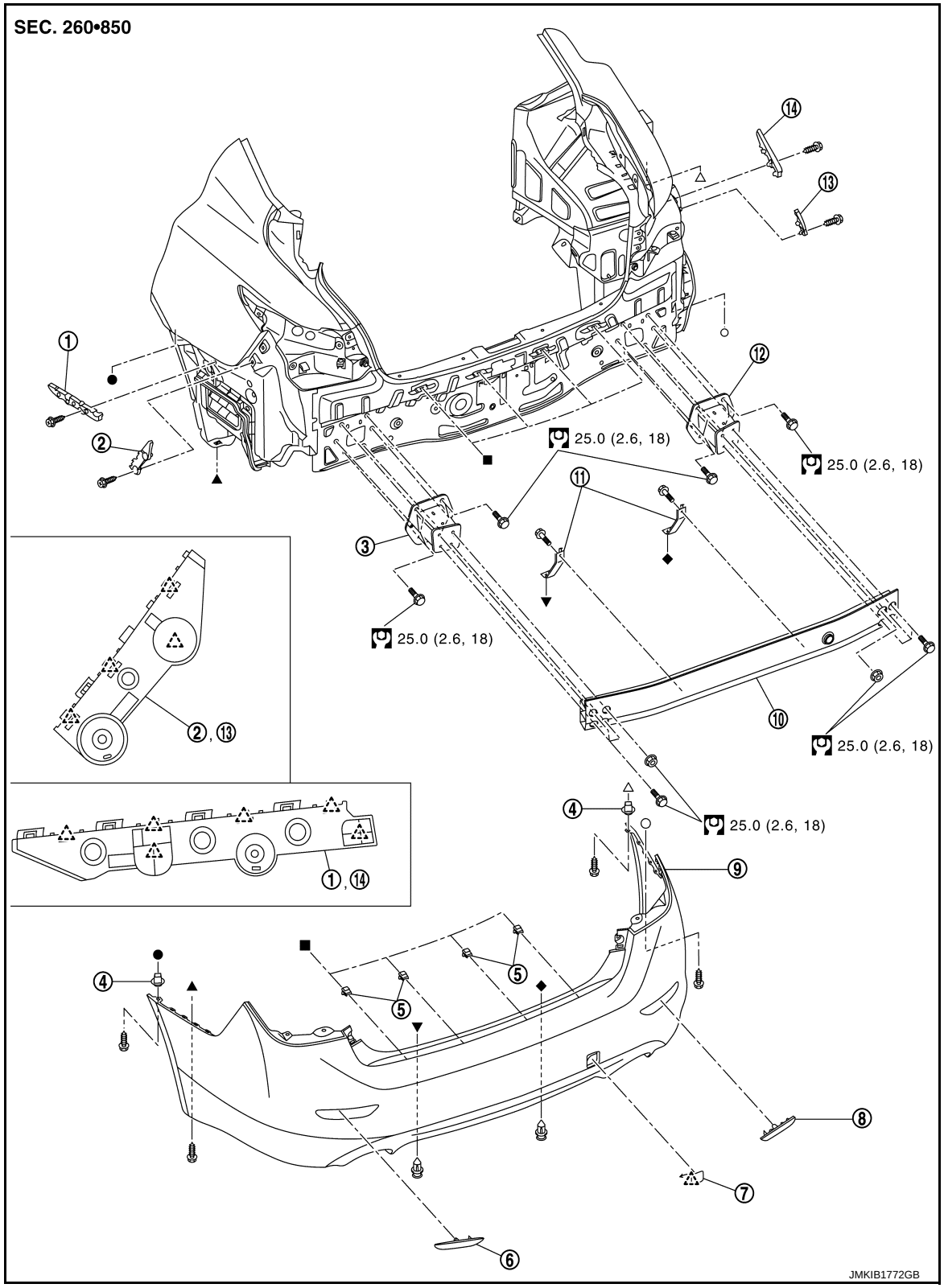


Portion		Clearance	Surface height difference
Front bumper fascia assembly – Hood	Ⓐ – Ⓐ	2.0 – 4.0 mm (0.079 – 0.157 in)	(–1.0) – (+2.0) mm [(–0.039) – (+0.079) in]
Front bumper fascia assembly – Front fender	Ⓑ – Ⓑ	0.0 – 0.5 mm (0.000 – 0.020 in)	(–1.0) – (0.0) mm [(–0.039) – (0.000) in]
Front bumper fascia assembly – Front combination lamp	Ⓒ – Ⓒ	0.2 – 3.2 mm (0.008 – 0.126 in)	—
	Ⓓ – Ⓓ	0.2 – 3.2 mm (0.008 – 0.126 in)	—
Front bumper fascia assembly – Front fender	Ⓔ – Ⓔ	0.0 – 1.1 mm (0.000 – 0.043 in)	(–1.5) – (+0.3) mm [(–0.059) – (+0.012) in]

REAR BUMPER

Exploded View

INFOID:0000000012792617



① Rear bumper side bracket A LH ② Rear bumper side bracket B LH ③ Rear bumper stay LH
④ Grommet ⑤ Clip ⑥ Rear reflex reflector LH

⑦ Rear bumper finisher
⑧ Rear reflex reflector RH
⑨ Rear bumper fascia assembly
⑩ Rear bumper reinforcement
⑪ Rear bumper retainer lower
⑫ Rear bumper stay RH
⑬ Rear bumper side bracket B RH
⑭ Rear bumper side bracket A RH

: Pawl

: N·m (kg-m, ft-lb)

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

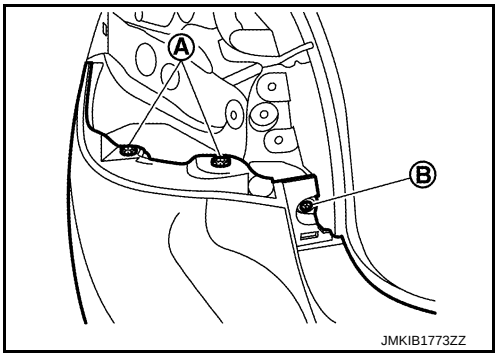
Removal and Installation

INFOID:0000000012792618

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

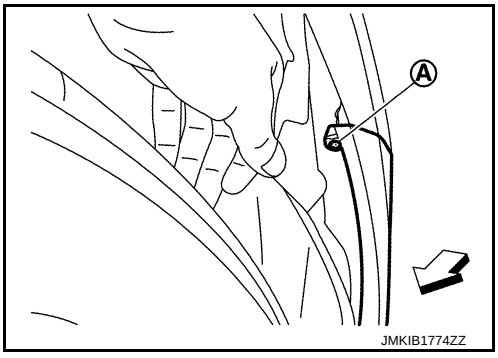
REMOVAL

1. Fully open trunk lid assembly.
2. Remove rear combination lamps (LH and RH). Refer to EXL-225, "Removal and Installation".
3. Remove rear bumper fascia assembly fixing clips Ⓐ and screw Ⓑ of bumper upper side (LH and RH).



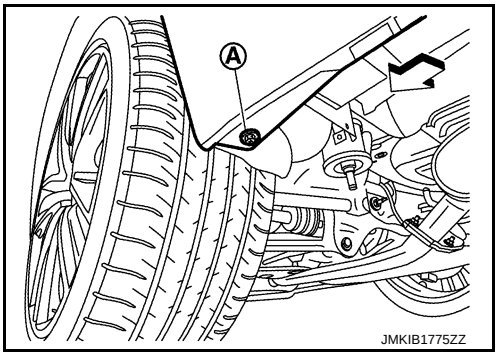
4. Remove rear bumper fascia assembly fixing screws Ⓐ (LH and RH).

: Vehicle front

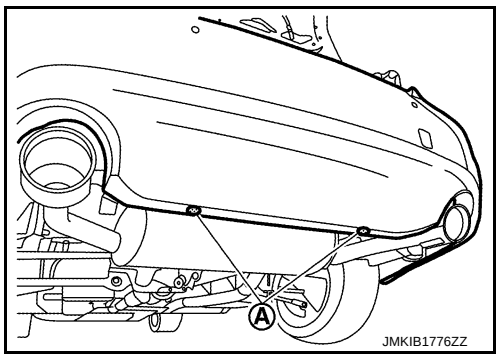


5. Remove rear bumper fascia assembly fixing screws Ⓐ of bumper lower side (LH and RH).

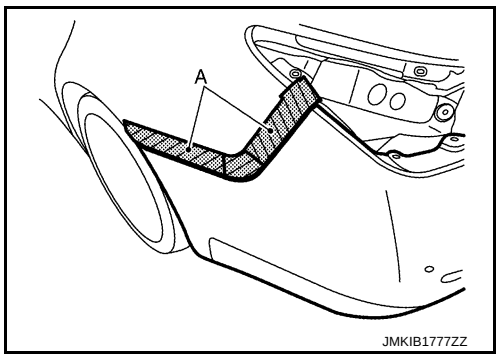
: Vehicle front



6. Remove rear bumper fascia assembly fixing clips Ⓐ of bumper lower side.



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

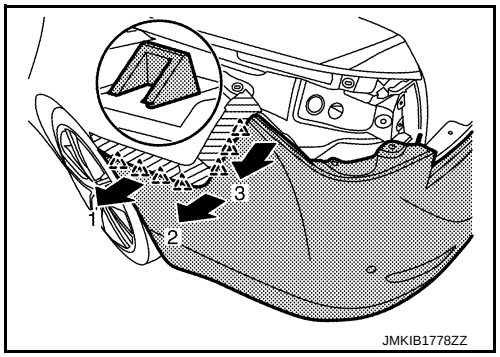


8. Pull rear bumper fascia side toward the vehicle side to disengage the fitting of rear bumper side bracket and rear bumper fascia side according to the numerical order 1→3 as shown by the arrows in the figure.

CAUTION:

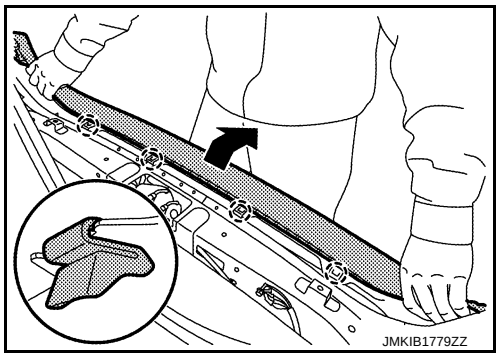
When removing bumper fascia, 2 workers are required so as to prevent it from dropping.

△ : Pawl



9. Disengage rear bumper fascia assembly fixing clips as shown by the arrow in the figure

◌ : Clip



10. Disconnect sonar sensor harness connector (if equipped).
11. Remove rear bumper fascia assembly.
12. Remove the following parts after removing rear bumper fascia assembly.
    - Sonar sensor (if equipped). Refer to AV-626, "CORNER SENSOR AND REAR CENTER SENSOR : Removal and Installation".
    - Rear reflex reflector (LH and RH). Refer to EXL-231, "Removal and Installation".
    - Rear bumper finisher.
13. Remove harness clips from rear bumper reinforcement.
14. Remove rear bumper reinforcement mounting nuts and bolts, and then remove rear bumper reinforcement.
15. Remove rear bumper retainer lower mounting bolts, and then remove rear bumper retainer lower.

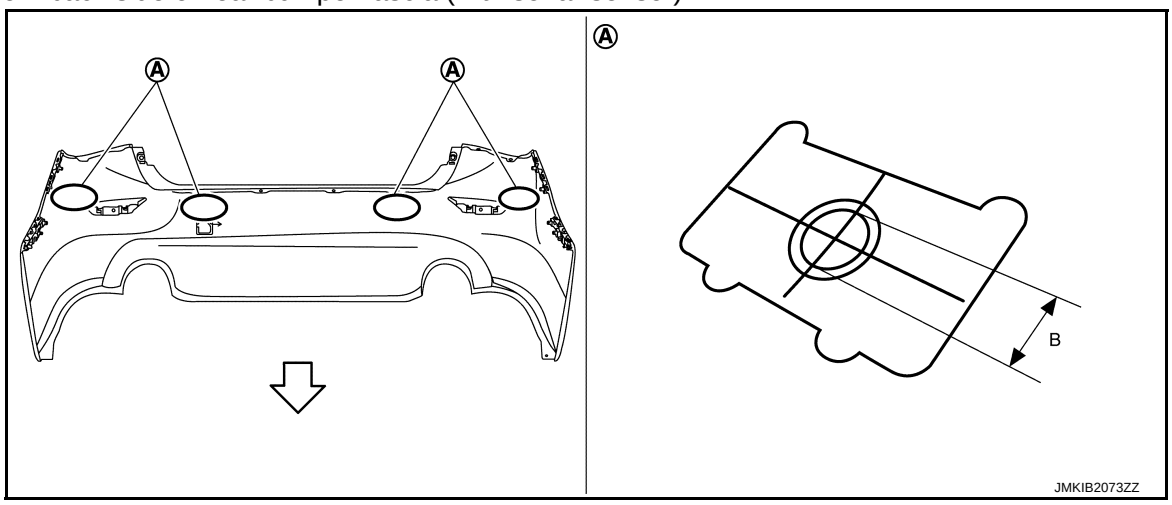
16. Remove rear bumper stay mounting bolts, and then remove rear bumper stay (LH and RH).
17. Remove rear bumper side bracket A and B fixing screws, and then remove rear bumper side bracket A and B (LH and RH).

INSTALLATION

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

NOTE:

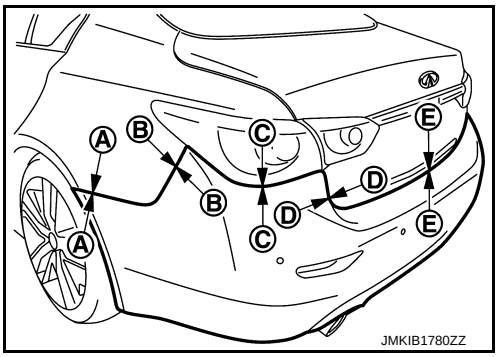
- When replacing rear bumper fascia, drill the sonar sensor rear installation holes in the Ⓐ parts of marking-off line from back side of rear bumper fascia (with sonar sensor).



⇦ : Vehicle front

Portion	Diameter
B	ϕ18.0 mm (ϕ0.709 in)

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

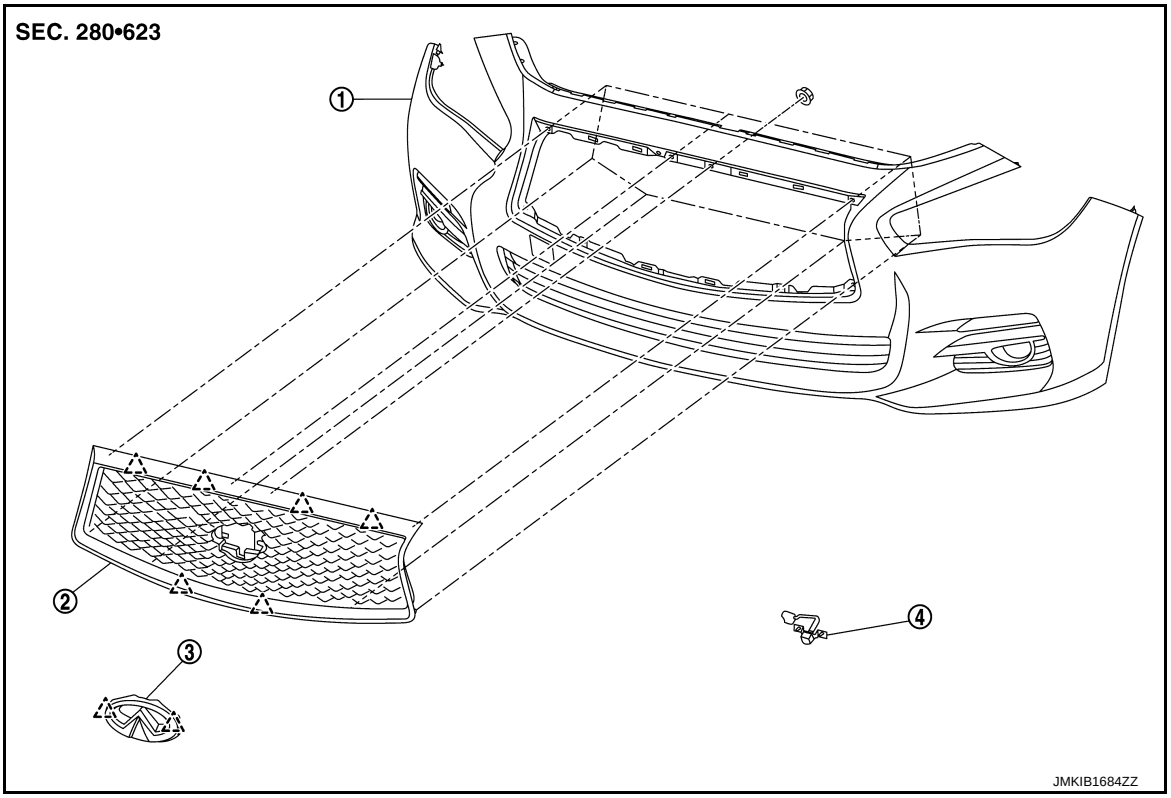


Portion		Clearance	Surface height difference
Rear bumper fascia assembly – Body side outer	Ⓐ – Ⓐ	0.0 – 1.1 mm (0.000 – 0.043 in)	(–1.5) – (+0.3) mm [(–0.059) – (+0.012) in]
	Ⓑ – Ⓑ	0.0 – 1.1 mm (0.000 – 0.043 in)	(–1.5) – (+0.3) mm [(–0.059) – (+0.012) in]
Rear bumper fascia assembly – Rear combination lamp	Ⓒ – Ⓒ	0.2 – 3.0 mm (0.020 – 0.138 in)	—
Rear bumper fascia assembly – Trunk lid	Ⓓ – Ⓓ	2.0 – 6.0 mm (0.079 – 0.236 in)	(–4.0) – (0.0) mm [(–0.157) – (0.000) in]
	Ⓔ – Ⓔ	4.0 – 8.0 mm (0.157 – 0.315 in)	—

FRONT GRILLE

Exploded View

INFOID:0000000012792619



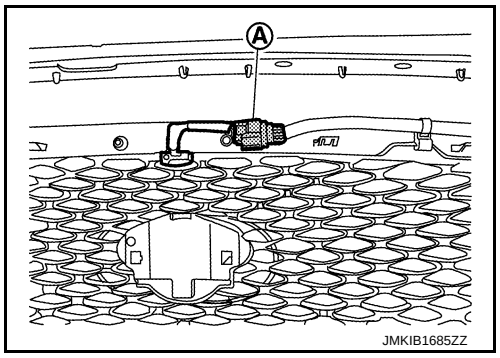
① Front bumper fascia assembly ② Front grille ③ Emblem
④ Front camera (if equipped)
: Pawl

Removal and Installation

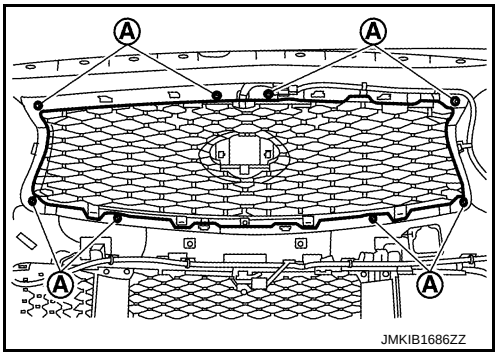
INFOID:0000000012792620

REMOVAL

1. Remove front bumper fascia assembly. Refer to EXT-15, "Removal and Installation".
2. Disconnect front camera harness connector Ⓐ (if equipped).

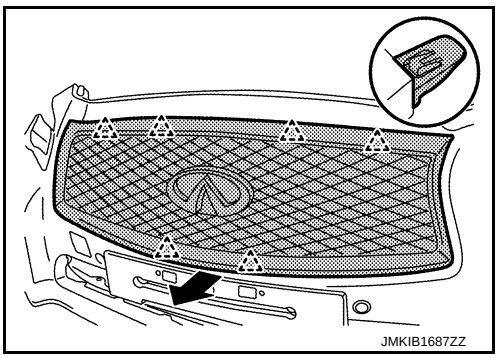


3. Remove front grille mounting nuts Ⓐ of front bumper fascia assembly back side.



4. Disengage fixing pawls from back side while pulling front grille toward vehicle front, and then remove front grille.

: Pawl



5. Remove the following parts after removing front grille.
   - Front camera (if equipped). Refer to AV-620, "Removal and Installation".
   - Emblem

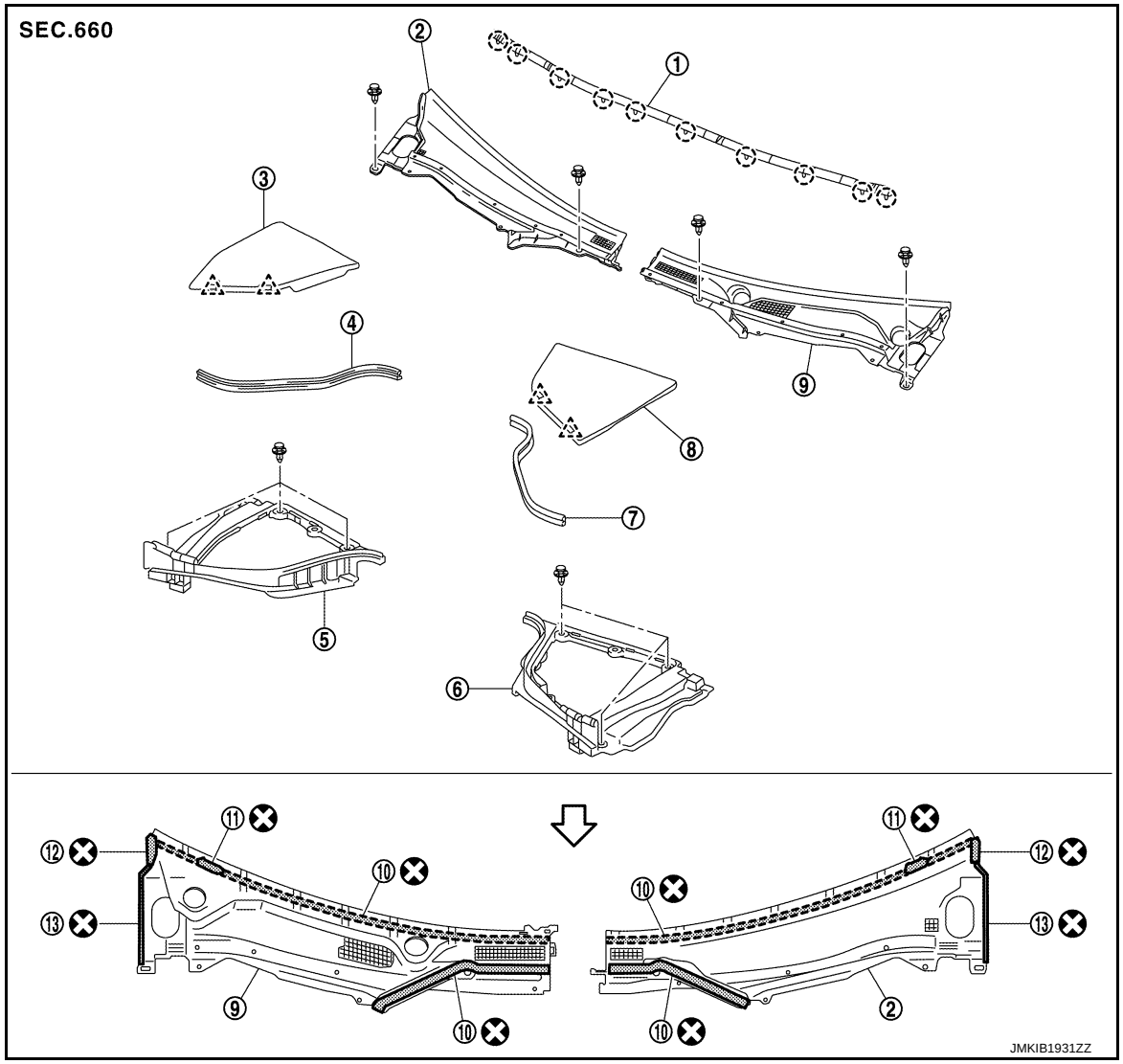
INSTALLATION

Install in the reverse order of removal.

COWL TOP

Exploded View

INFOID:0000000012792621



① Cowl top seal
② Cowl top cover RH
③ Battery cover
④ Cowl top cover seal RH
⑤ Hoodledge cover RH
⑥ Hoodledge cover LH
⑦ Cowl top cover seal LH
⑧ Brake master cylinder cover
⑨ Cowl top cover LH
⑩ EPT seal [t: 3.0 mm (0.118 in)]
⑪ EPT seal [t: 8.0 mm (0.315 in)]
⑫ EPT seal [t: 12.0 mm (0.472 in)]
⑬ EPT seal [t: 5.0 mm (0.197 in)]

: Clip
: Pawl
: Vehicle front
: Always replace after every disassembly.

Removal and Installation

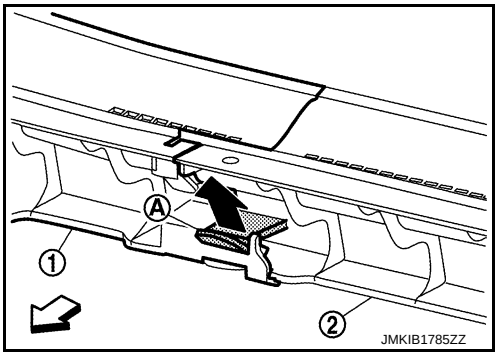
INFOID:0000000012792622

REMOVAL

1. Fully open hood assembly.
2. Remove battery cover and brake master cylinder cover.

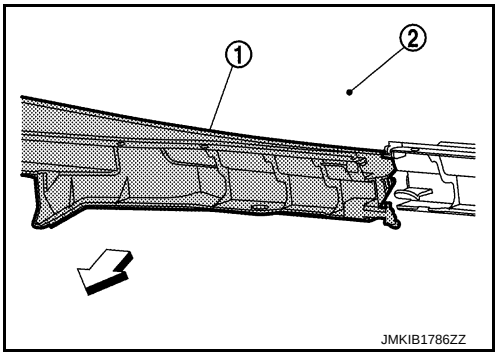
3. Remove hoodledge cover fixing clips, and then remove hoodledge cover (LH and RH).
4. Remove front wiper arms (LH and RH). Refer to WW-56, "WIPER ARM : Removal and Installation".
5. Remove front fender covers (LH and RH). Refer to DLK-199, "FENDER COVER : Removal and Installation".
6. Remove cowl top seal fixing clips with remover tool, and then remove cowl top seal.
7. Remove cowl top cover fixing clip.
8. Pull up plastic pawl Ⓐ as shown by the arrow in the figure to disengage the fitting of cowl top cover RH ① and cowl top cover LH ②.

   ⇦ : Vehicle front

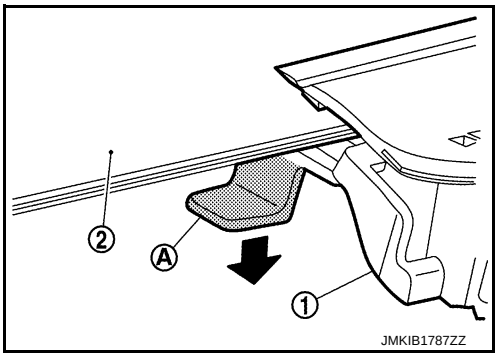


9. Pull forward to release cowl top cover RH ① from windshield glass ②.

   ⇦ : Vehicle front

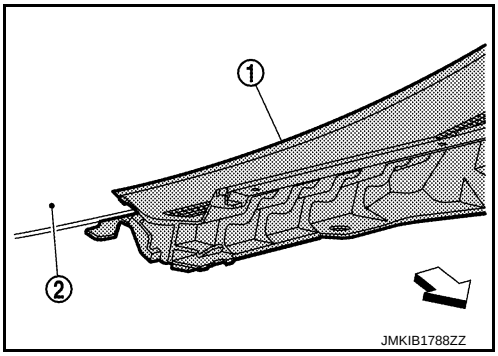


10. Push down pawl Ⓐ as shown by the arrow in the figure to disengage the fitting of cowl top cover LH ① and windshield glass ②.



11. Pull forward to release cowl top cover LH ① from windshield glass ②.

    ⇦ : Vehicle front



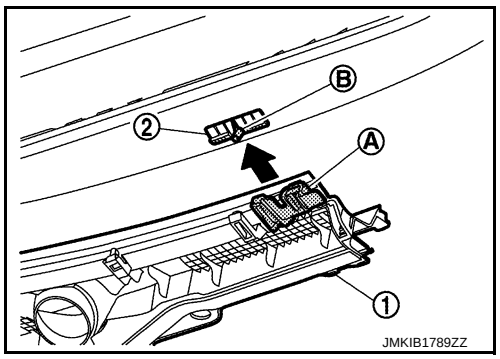
12. Remove the following parts after removing cowl top cover (LH and RH) and hoodledge cover (LH and RH).
    - Cowl top cover seal (LH and RH)
    - EPT sealer

INSTALLATION

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

CAUTION:

- **Engage part Ⓐ and part Ⓑ of cowl top cover LH ① and windshield glass pin ② as shown by the arrow in the figure when installing.**



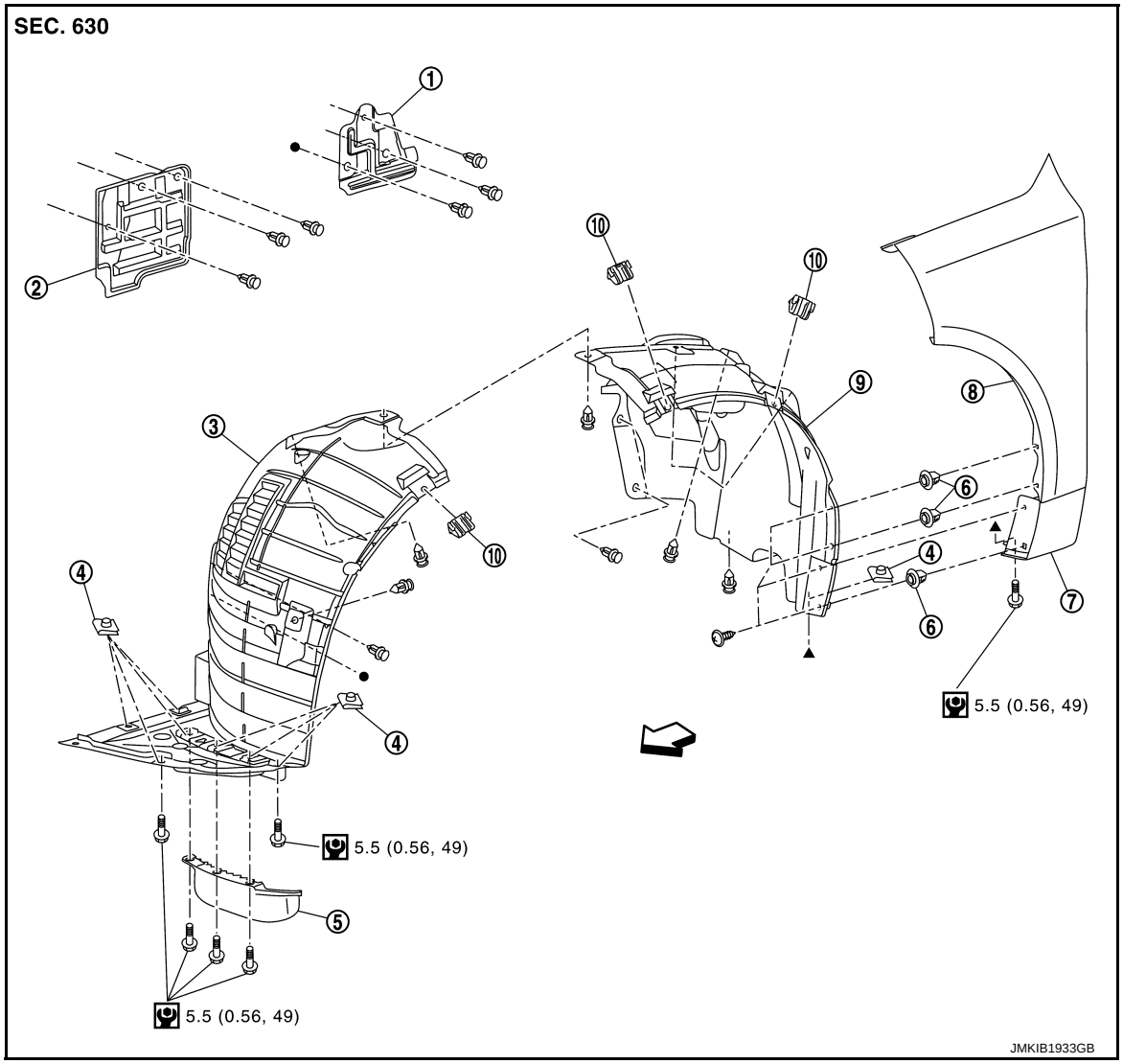
- **Clean the joint between the cowl top cover and the windshield, and then install them.**
- **Replace the EPT seal on the back surface with new EPT seal when reusing the cowl top cover.**
- **Never wash the vehicle within 24 hours after installing so as to keep adhesive.**
- **After installing, perform adjustment of wiper arm. Refer to WW-56, "WIPER ARM : Adjustment".**

FENDER PROTECTOR

FENDER PROTECTOR

FENDER PROTECTOR : Exploded View

INFOID:0000000012792623



① Splash guard (2WD models) ② Splash guard (AWD models) ③ Front fender protector front
④ Spring nut ⑤ Air guide ⑥ Grommet
⑦ Sill cover ⑧ Front fender assembly ⑨ Front fender protector rear
⑩ Front fender clip
⇦ : Vehicle front
: N·m (kg-m, in-lb)
●,▲: Indicates that the part is connected at points with same symbol in actual vehicle.

FENDER PROTECTOR : Removal and Installation

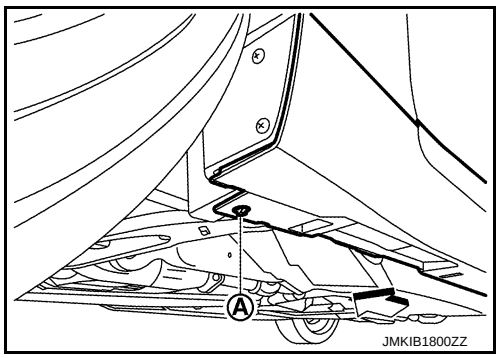
INFOID:0000000012792624

REMOVAL

1. Remove splash guard fixing clips, and then remove splash guard.

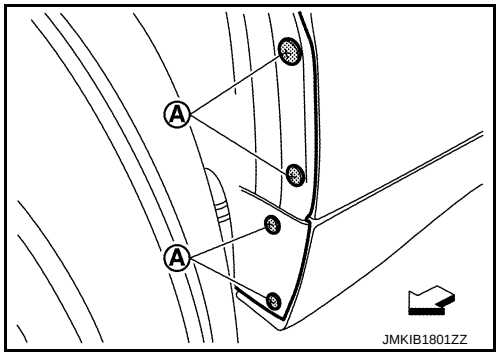
2. Remove front fender protector rear mounting bolt Ⓐ of sill cover front side.

⇦ : Vehicle front



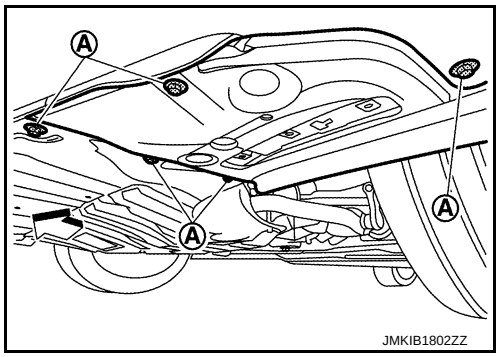
3. Remove front fender protector rear fixing screws Ⓐ from rear side of front fender protector rear.

⇦ : Vehicle front



4. Remove front fender protector rear fixing clips.
5. Disengage front fender clip, and then remove front fender protector rear.
6. Remove front fender protector front mounting bolts Ⓐ from front side of front fender protector front.

⇦ : Vehicle front



7. Remove fender protector front fixing clips.
8. Disengage front fender clip, and then remove front fender protector front.

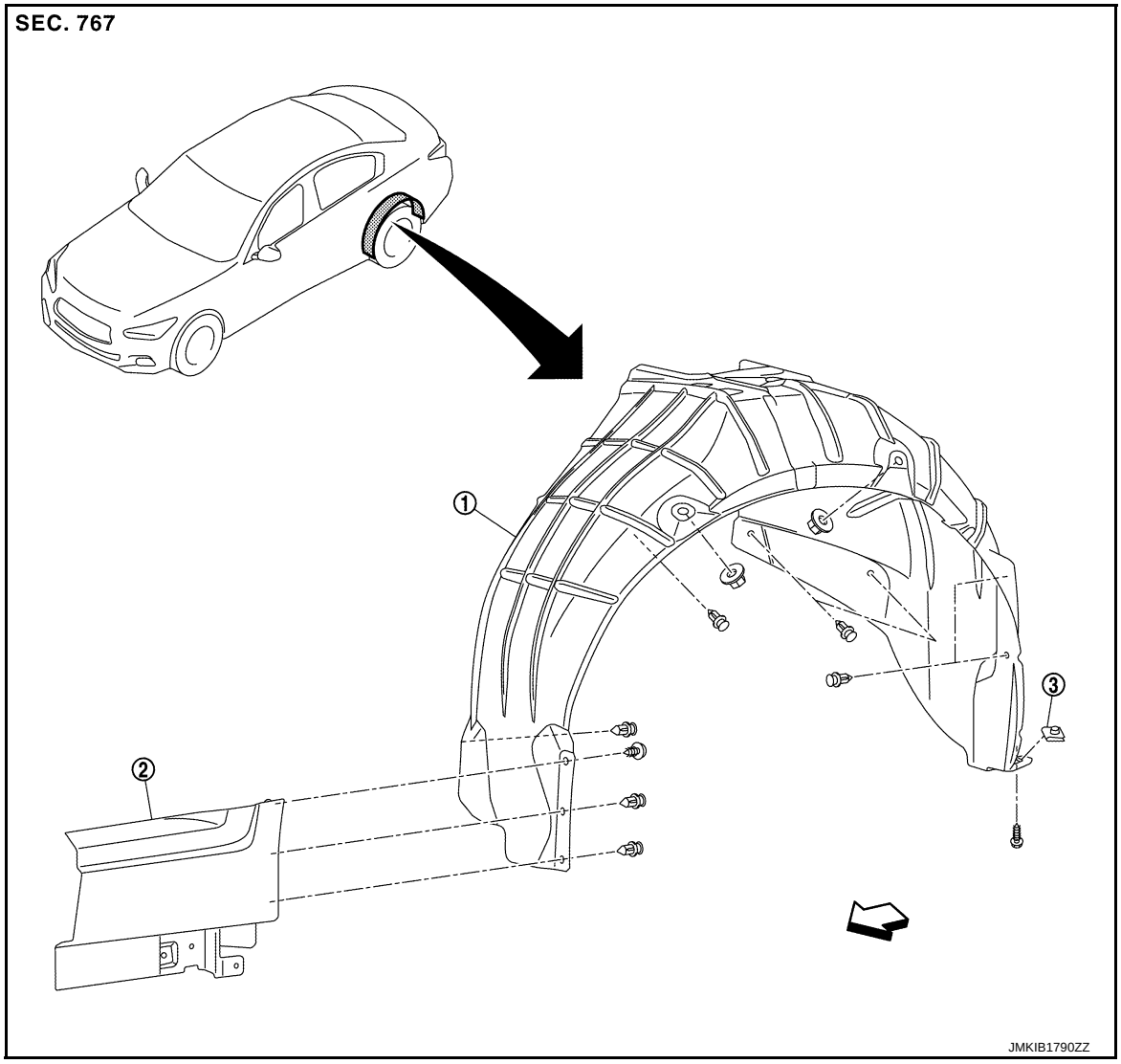
INSTALLATION

Install in the reverse order of removal.

REAR WHEEL HOUSE PROTECTOR

REAR WHEEL HOUSE PROTECTOR : Exploded View

INFOID:0000000012792625



① Rear wheel house protector ② Sill cover ③ Spring nut

⇦ : Vehicle front

REAR WHEEL HOUSE PROTECTOR : Removal and Installation

INFOID:0000000012792626

REMOVAL

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

INSTALLATION

Install in the reverse order of removal.

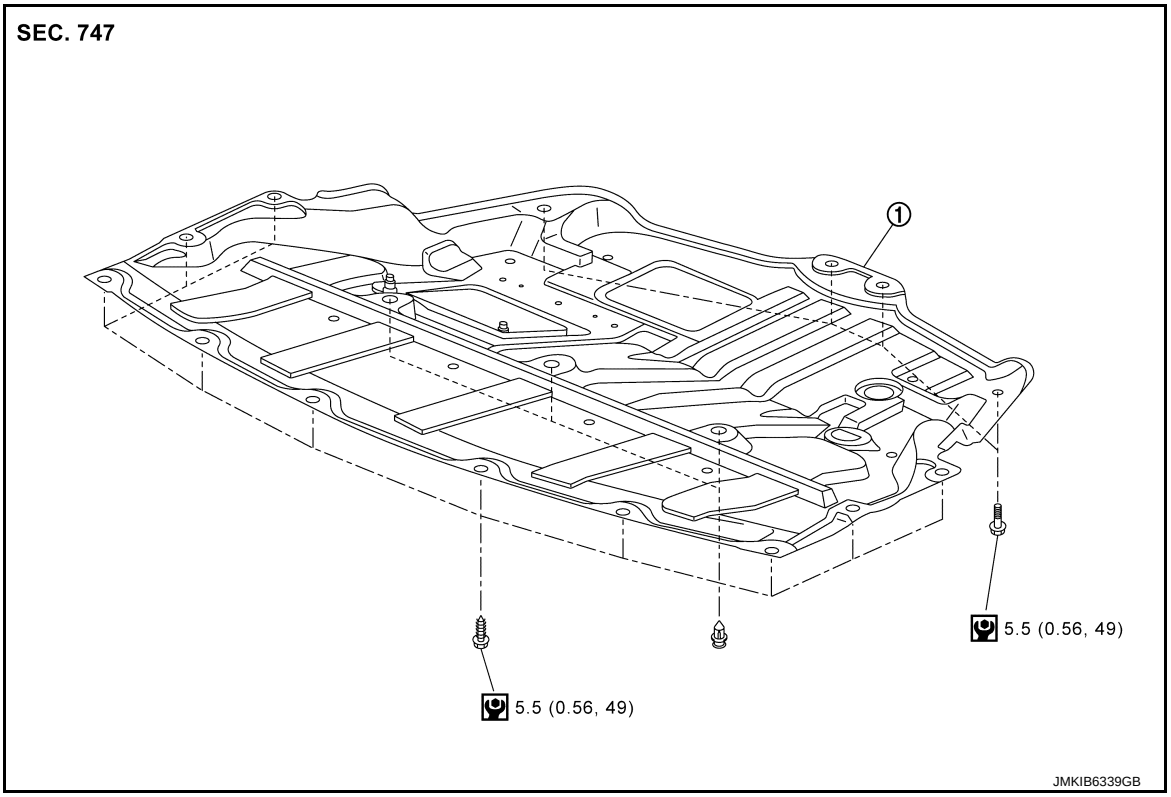
FLOOR SIDE FAIRING

FRONT UNDER COVER

FRONT UNDER COVER : Exploded View

INFOID:0000000012792627

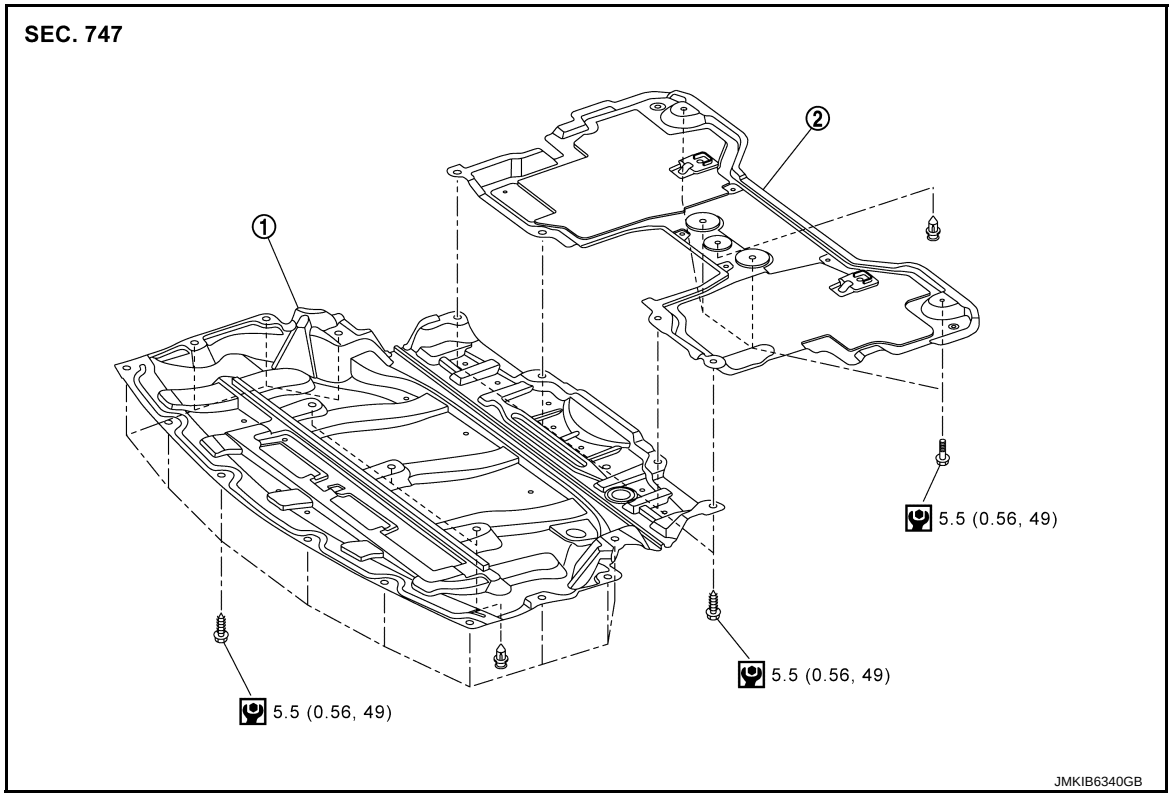
2.0L TURBO GASOLINE ENGINE MODELS



① Front under cover

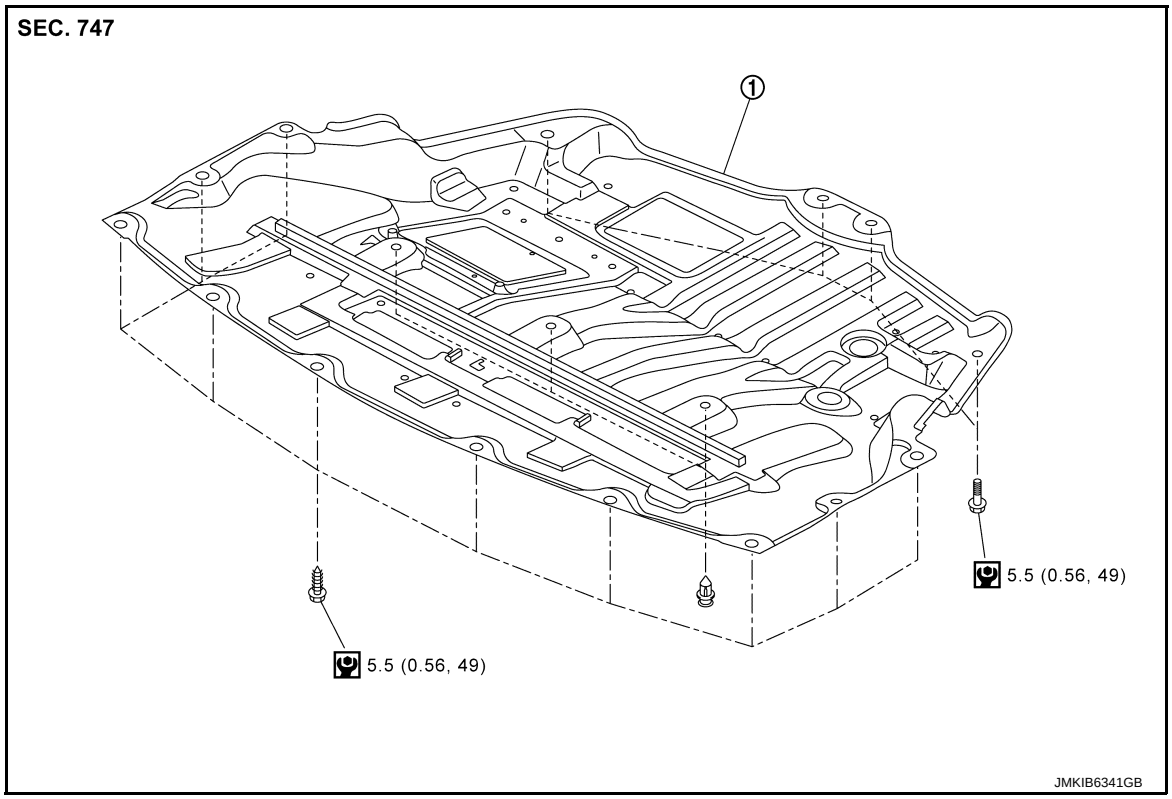
: N·m (kg-m, in-lb)

VR30DDTT 2WD MODELS



① Front under cover
② Front under cover rear
: N·m (kg-m, in-lb)

VR30DDTT AWD MODELS



① Front under cover

: N·m (kg-m, in-lb)

FRONT UNDER COVER : Removal and Installation

INFOID:0000000012792628

REMOVAL

1. Remove front under cover rear mounting bolts, fixing screws and clip, and then remove front under cover rear. (VR30DDTT 2WD models)
2. Remove front under cover fixing screws, clips and mounting bolts, and then remove front under cover.

INSTALLATION

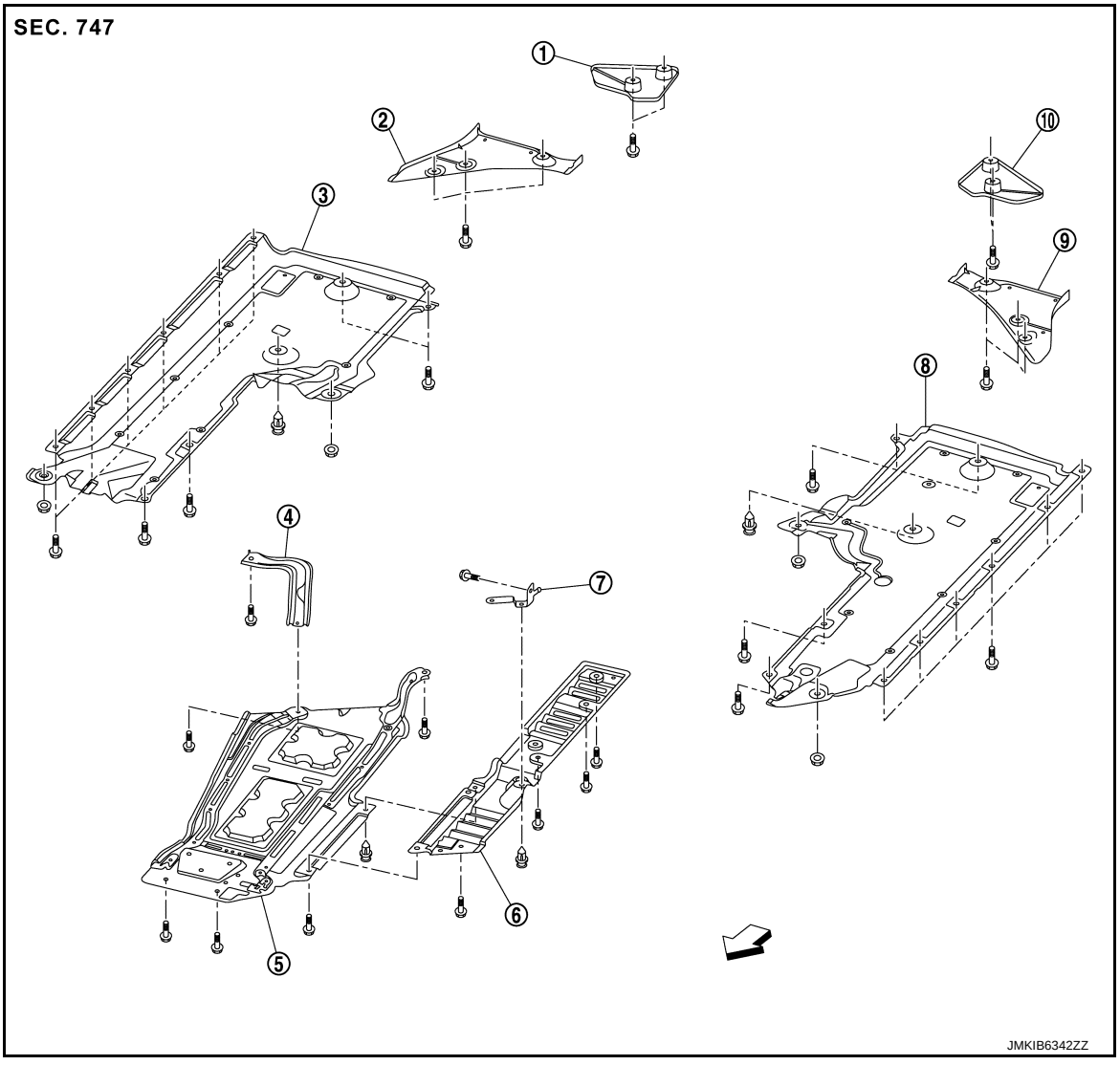
Install in the reverse order of removal.

FLOOR UNDER COVER

FLOOR UNDER COVER : Exploded View

INFOID:0000000012792629

2.0L TURBO GASOLINE ENGINE MODELS



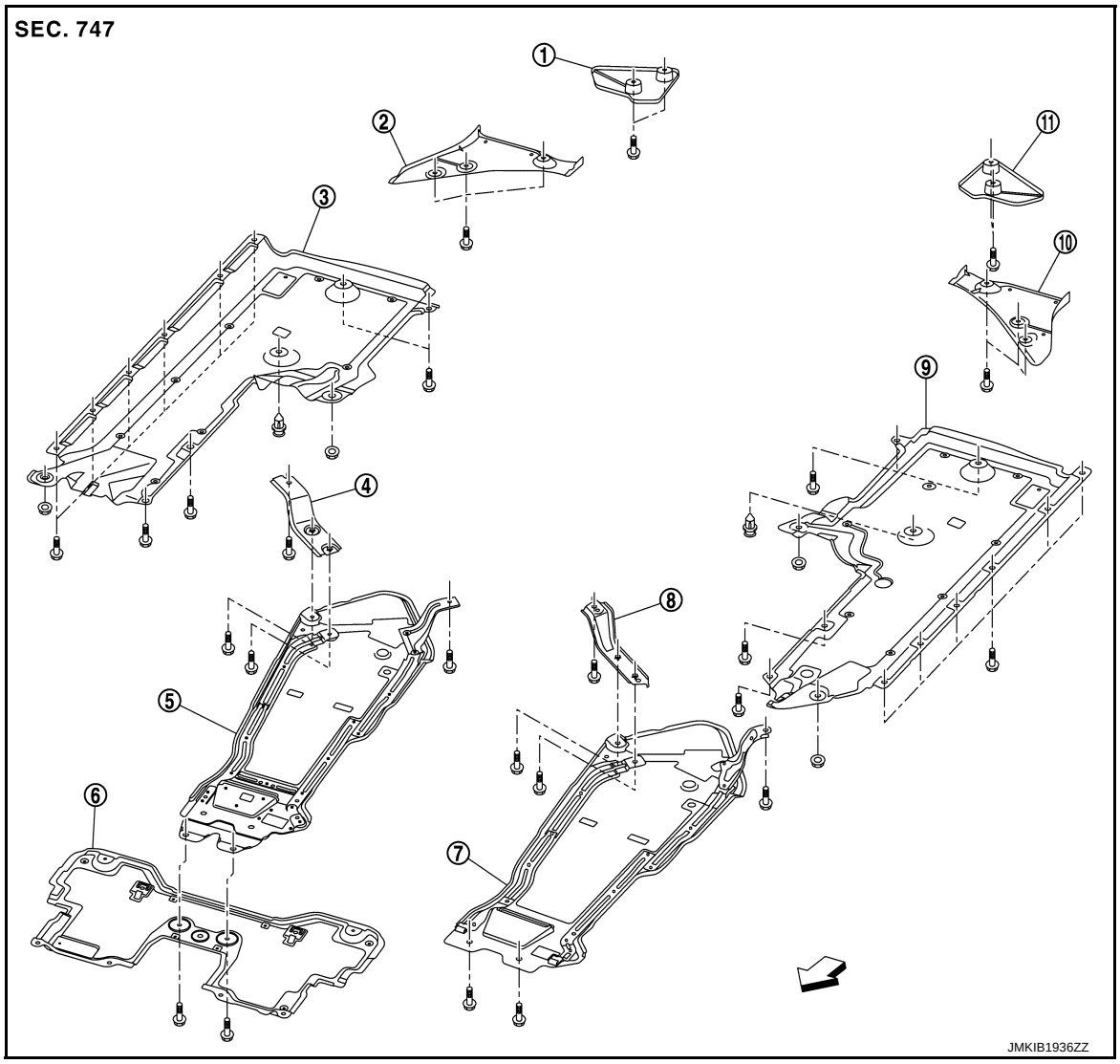
① Rear under cover rear RH
② Rear under cover front RH
③ Floor under cover RH
④ Floor under cover bracket RH
⑤ Rear engine cover
⑥ Front under side cover

⑦ Front under side cover bracket ⑧ Floor under cover LH ⑨ Rear under cover front LH

⑩ Rear under cover rear LH

⇦ : Vehicle front

VR30DDTT MODELS



① Rear under cover rear RH ② Rear under cover front RH ③ Floor under cover RH

④ Floor under cover bracket RH (2WD models) ⑤ Rear engine cover (2WD models) ⑥ Front under cover rear (2WD models)

⑦ Rear engine cover (AWD models) ⑧ Floor under cover bracket RH (AWD models) ⑨ Floor under cover LH

⑩ Rear under cover front LH ⑪ Rear under cover rear LH

⇦ : Vehicle front

FLOOR UNDER COVER : Removal and Installation

INFOID:0000000012792630

REMOVAL

Rear Engine Cover

1. Remove front under cover rear. (2WD models) Refer to EXT-35, "FRONT UNDER COVER : Removal and Installation".
2. Remove rear engine cover mounting bolts, and then remove rear engine cover.

3. Remove floor under cover bracket RH after removing rear engine cover.

Floor Under Cover

Remove floor under cover mounting bolts, nuts and clips, and then remove floor under cover (LH and RH).

Rear Under Cover Front

Remove rear under cover front mounting bolts, and then remove rear under cover front (LH and RH).

Rear Under Cover Rear

Remove rear under cover rear mounting bolts, and then remove rear under cover rear (LH and RH).

Front Under Side Cover

1. Remove front under side cover mounting bolts and fixing clip, and then remove front under side cover.
2. Remove front under side cover bracket mounting bolt, and then remove front under side cover bracket.

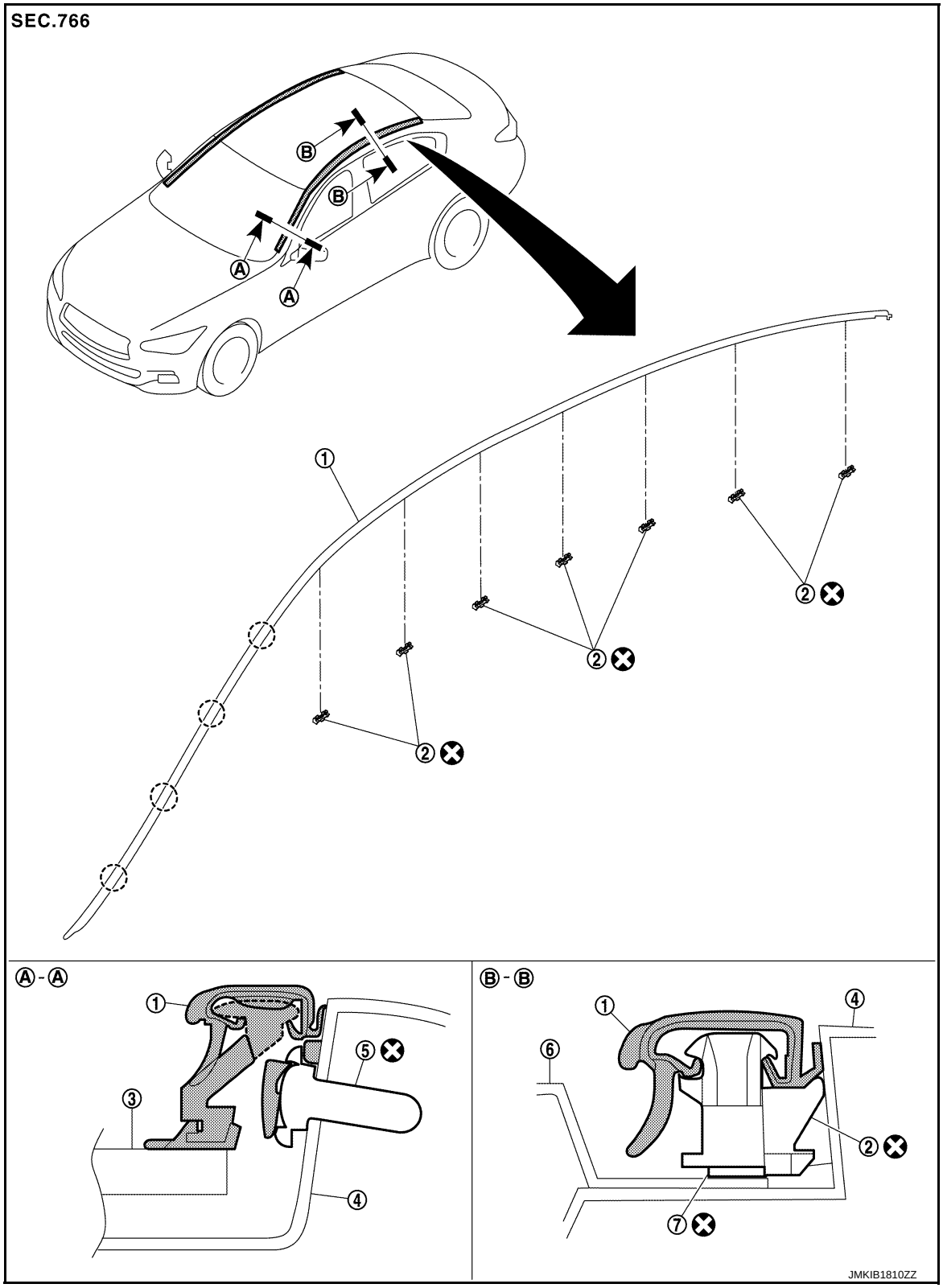
INSTALLATION

Install in the reverse order of removal.

ROOF SIDE MOLDING

Exploded View

INFOID:0000000012792631



① Roof side molding
② Roof side molding clip
③ Windshield glass
④ Body side panel
⑤ Rivet
⑥ Roof panel

Ⓖ Adhesive

: Clip

: Always replace after every disassembly.

Removal and Installation

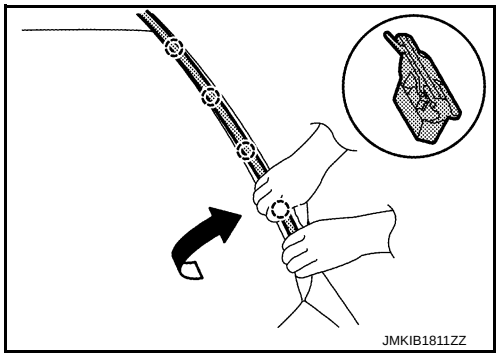
INFOID:0000000012792632

REMOVAL

ROOF SIDE MODLDING

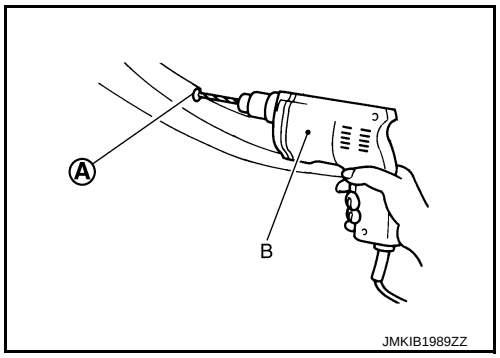
1. Remove fender cover (LH and RH). Refer to DLK-199, "FENDER COVER : Removal and Installation".
2. Disengage roof side molding fixing clips as shown by the arrow in the figure from roof rear end to front end.

: Clip



NOTE:
When removing rivets, note the following items.

1. Remove windshield glass. Refer to GW-12, "Removal and Installation".
2. Grind the head of rivet Ⓐ with a drill (B) [bit of 3.2 – ϕ4.0 mm (0.126 – ϕ0.157 in)]



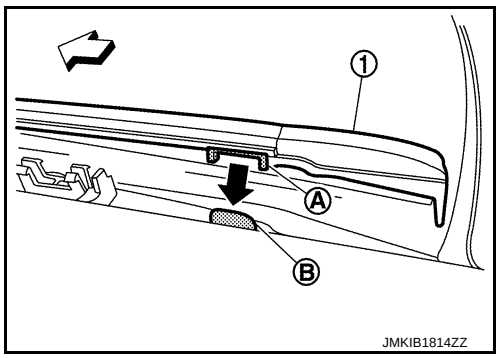
INSTALLATON

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

CAUTION:

When installing roof side molding, engage the part Ⓐ of roof side molding ① to part Ⓑ as shown by the arrow in the figure.

: Vehicle front



NOTE:
Note the following items, and then install in the rivets.

Crimping thickness	**0.7 – 1.0 mm (0.028 – 0.039 in)**
Prepared hole diameter	**4.2 – ϕ4.4 mm (0.165 – ϕ0.173 in)**
Used rivet head diameter	**ϕ10.4 mm (ϕ0.409 in)**

REMOVAL AND INSTALLATION OF ROOF SIDE MOLDING CLIP

REMOVAL

1. Remove roof side molding.
2. Heat adhesive tape interface using a dryer, and then peel roof side molding clips (body side) using long-nose pliers.

CAUTION:
Never damage the body.

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 (0.020 in)

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

Press-fit limit : 19.6 N× 2 seconds

5. Tape roof side molding clips after press fit, and temporarily hold it for specified time based on the following.

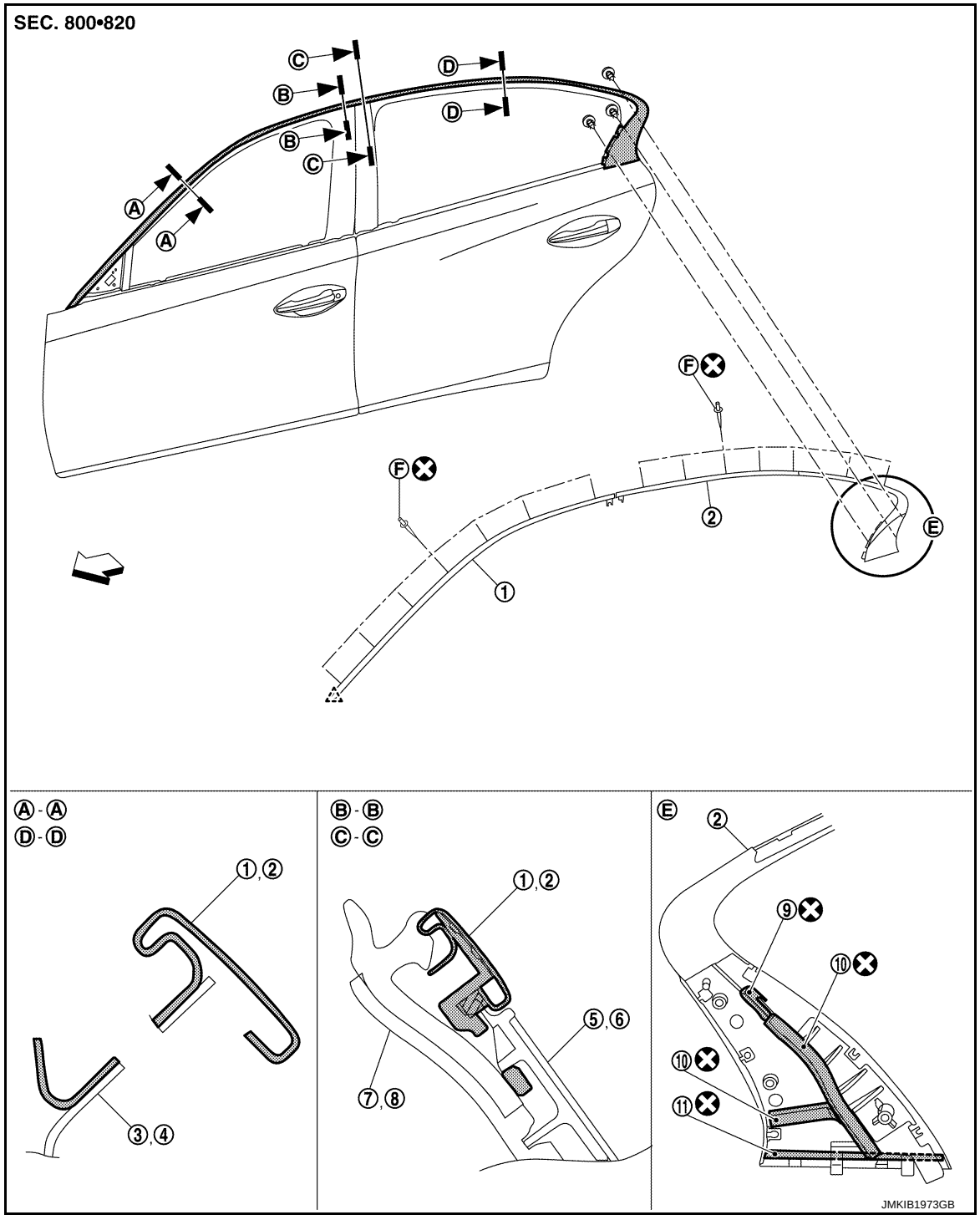
5 to 10°C (41 to 50°F) : 1 hour or more
11 to 23°C (52 to 73°F) : 30 minutes or more
24°C or more (75°F or more) : 15 minutes or more

CAUTION:
- **Use adhesive tape after hardening for roof side molding clips.**
- **Securely insert molding rear end cap onto roof rear end cutout (installation standard).**
- **When installing roof side molding of windshield glass portion, check that body side molding fastener is securely inserted and then press in.**
- **Never wash the vehicle within 24 hours so as to keep adhesive.**

DOOR SASH MOLDING

Exploded View

INFOID:0000000012792633



① Front door sash molding
② Rear door sash molding
③ Front door panel
④ Rear door panel
⑤ Front door sash cover
⑥ Rear door sash cover
⑦ Front door weather-strip
⑧ Rear door weather-strip
⑨ EPT seal [t: 3.0 mm (0.118 in)]
⑩ EPT seal [t: 8.0 mm (0.315 in)]
⑪ EPT seal [t: 5.0 mm (0.197 in)]
Ⓕ Rivet

: Pawl

: Vehicle front

: Always replace after every disassembly.

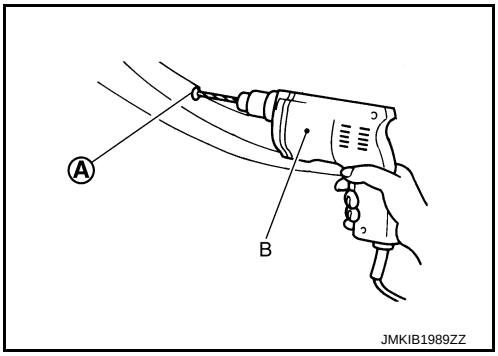
FRONT DOOR SASH MOLDING

FRONT DOOR SASH MOLDING : Removal and Installation

INFOID:0000000012792634

REMOVAL

1. Fully open front door glass.
2. Remove door mirror assembly. Refer to the following.
   - WITH ADP: MIR-50, "DOOR MIRROR : Removal and Installation".
   - WITHOUT ADP: MIR-76, "DOOR MIRROR : Removal and Installation".
3. Remove front door weather-strip upper side. Refer to DLK-209, "DOOR WEATHER-STRIP : Removal and Installation".
4. Remove front door glass run upper side.
5. Remove front door sash molding fixing rivets.
   NOTE:
   Grind the head of rivet Ⓐ with a drill (B) [bit of 3.2 – ϕ4.0 mm (0.157 – ϕ0.165 in)].



6. Disengage front door sash molding fixing pawl of front door sash molding front side.
7. Remove front door sash molding from front door sash cover fixing pawl, and then remove front door sash molding.

INSTALLATION

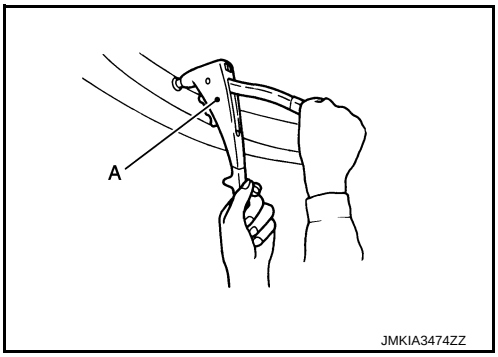
Note the following items, and then install in the reverse order of removal.

CAUTION:

Install front door sash molding fixing rivets from rear end to front end of vehicle.

NOTE:

Securely crimp front door sash molding extension with a hand riveter (A).



Front door sash molding	
Crimping thickness	**1.2 – 1.9 mm (0.047 – 0.075 in)**
Prepared hole diameter	**4.2 – ϕ4.4 mm (0.165 – ϕ0.173 in)**
Used rivet head diameter	**ϕ6.4 mm (ϕ0.252 in)**

REAR DOOR SASH MOLDING

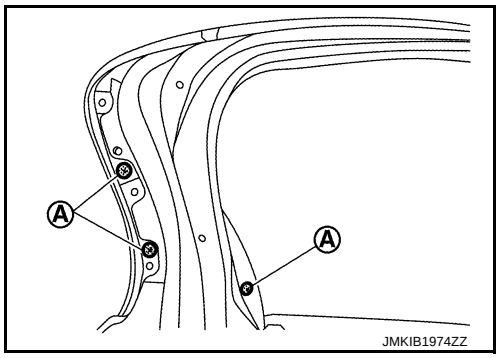
REAR DOOR SASH MOLDING : Removal and Installation

INFOID:0000000012792635

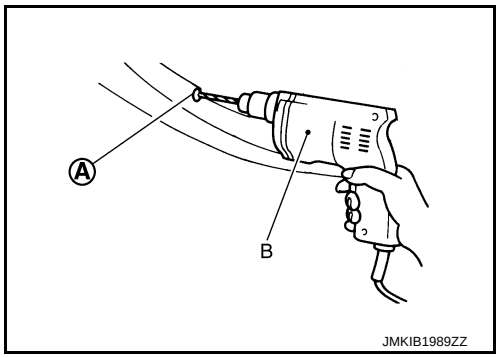
REMOVAL

1. Remove partition glass. Refer to GW-41, "Removal and Installation".

2. Remove rear door weather-strip upper side. Refer to DLK-218, "DOOR WEATHER-STRIP : Removal and Installation".
3. Remove rear door sash molding fixing screws Ⓐ.



4. Remove rear door sash molding fixing rivets.
NOTE:
Grind the head of rivet Ⓐ with a drill (B) [bit of 3.2 – ϕ4.0 mm (0.126 – ϕ0.157 in)]



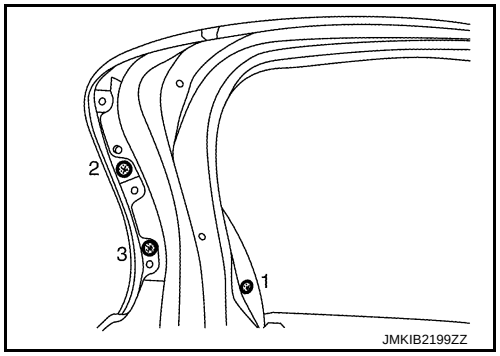
5. Remove rear door sash molding from rear door sash cover fixing pawl, and then remove rear door sash molding.

INSTALLATION

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

CAUTION:

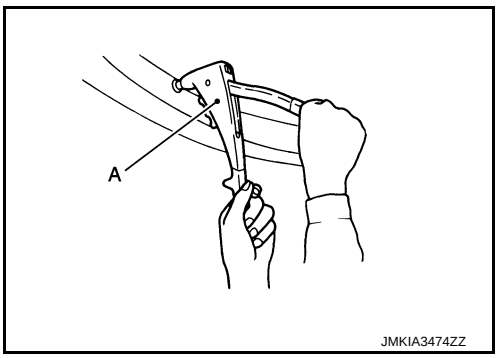
- **Install rear door sash molding fixing screws according to the numerical order 1→3.**



- **Replace the EPT seal on the back surface with new EPT seal when reusing rear door sash molding.**
- **Remove the EPT seal remaining on the rear door sash molding using a double-sided tape remove.**
- **Install rear door sash molding fixing rivets from rear end to front end of vehicle.**
- **Never wash the vehicle within 24 hours after installing so as to keep adhesive.**

NOTE:

Securely crimp rear door sash molding extension with a hand riveter (A).

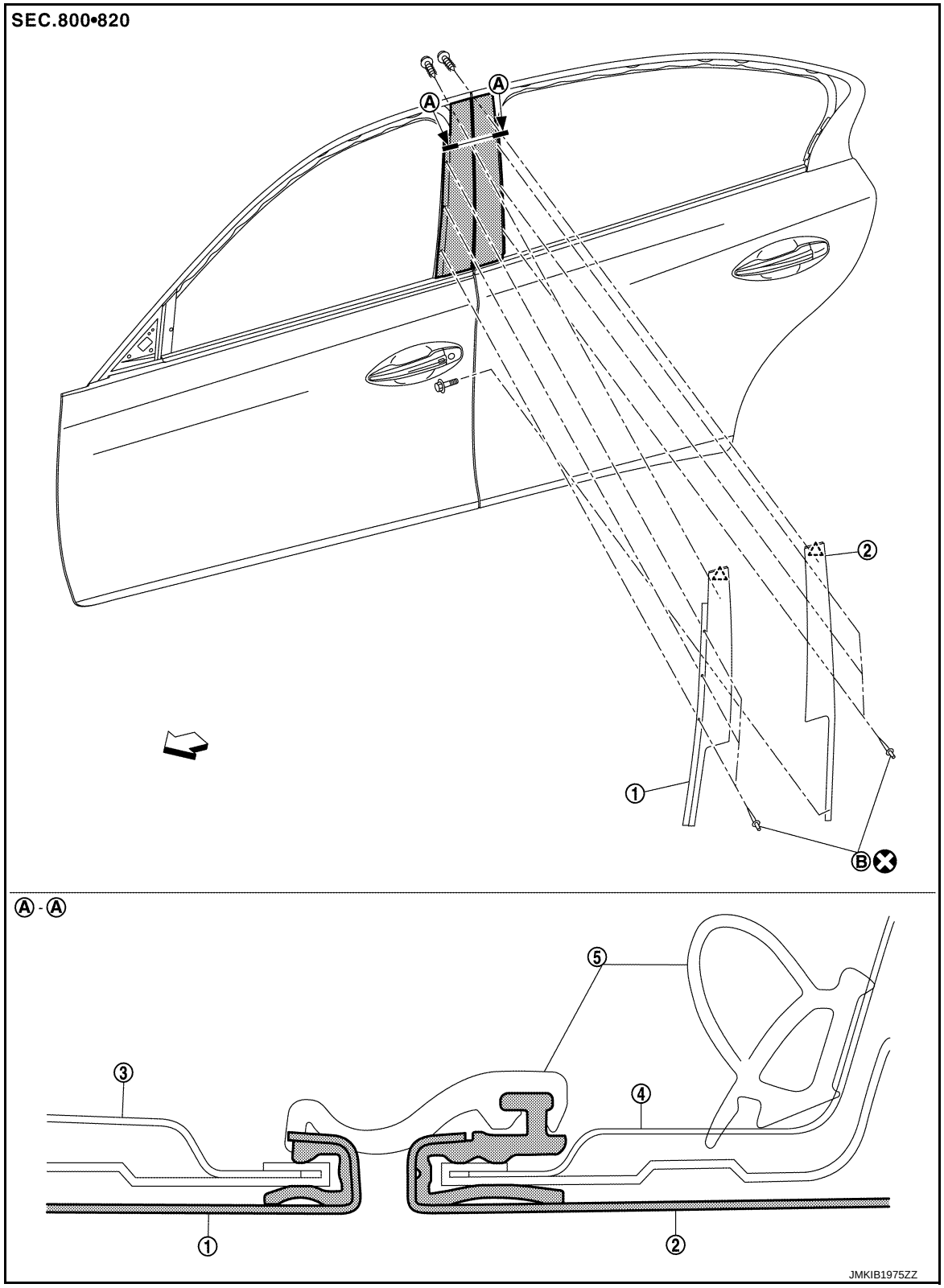


Rear door sash molding	
Crimping thickness	**1.2 – 1.9 mm (0.047 – 0.075 in)**
Prepared hole diameter	**4.2 – ϕ4.4 mm (0.165 – ϕ0.173 in)**
Used rivet head diameter	**ϕ6.4 mm (ϕ0.252 in)**

DOOR SASH COVER

Exploded View

INFOID:0000000012792636



① Front door sash cover
② Rear door sash cover
③ Front door panel
④ Rear door panel
⑤ Rear door weather-strip

Ⓑ Rivet

: Pawl

: Vehicle front

: Always replace after every disassembly.

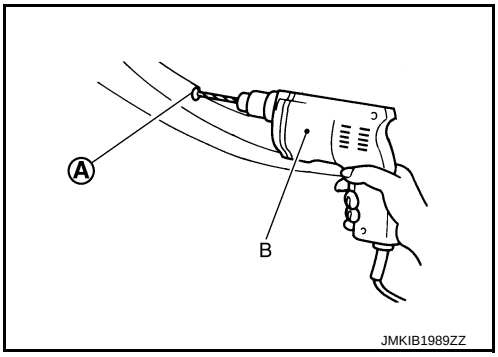
FRONT DOOR SASH COVER

FRONT DOOR SASH COVER : Removal and Installation

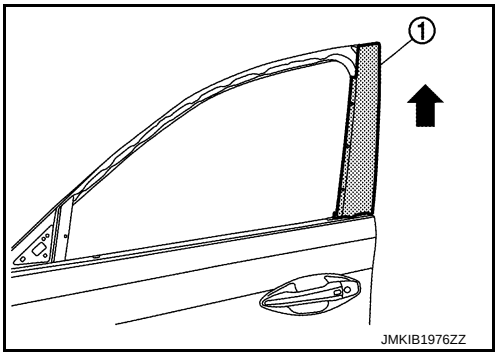
INFOID:0000000012792637

REMOVAL

1. Remove front door glass. Refer to GW-35, "Removal and Installation".
2. Remove front door sash molding. Refer to EXT-42, "FRONT DOOR SASH MOLDING : Removal and Installation".
3. Remove front door sash cover fixing rivets.
   NOTE:
   Grind the head of rivet Ⓐ with a drill (B) [bit of 3.2 – ϕ4.0 mm (0.126 – ϕ0.157 in)]



4. Remove front door sash cover ① as shown by the arrow in the figure.



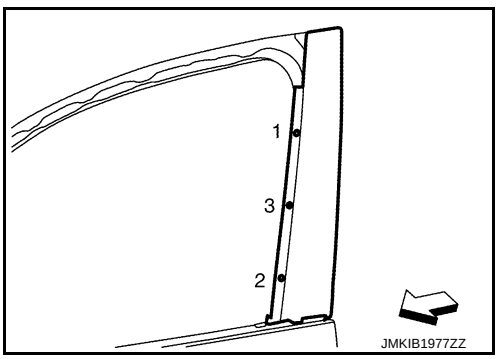
INSTALLATION

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

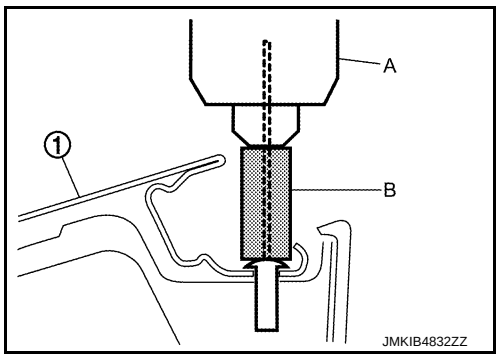
CAUTION:

- **Install front door sash cover fixing rivets according to the numerical order 1→3.**

: Vehicle front

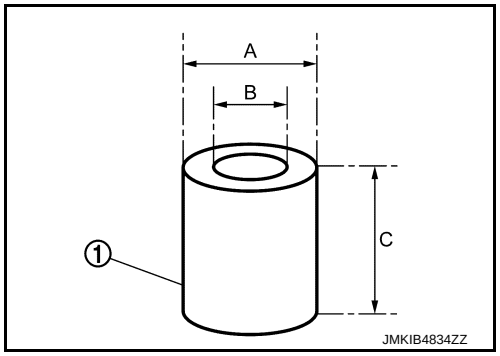


- **If the hand riveter (A) interferes with front door sash cover ①, to use spacer (B) as shown in the figure.**
- **Apply protective tape on the part to protect it from damage.**



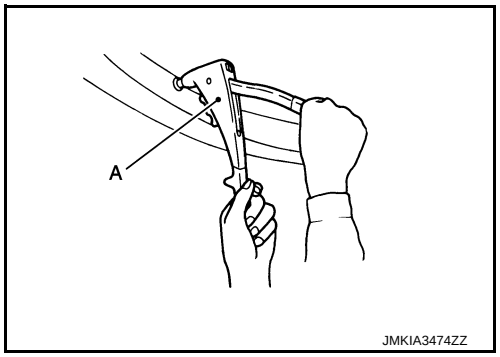
- **Use of spacer ① within the following dimensions.**

A : 7.0 mm or less (0.276 in or less)
B : 2.5 – 3.0 mm (0.098 – 0.118 in)
C : 18.0 – 20.0 mm (0.709 – 0.787 in)



NOTE:
- Use of rivets with resin washer as front door sash cover fastening rivets.
- Securely crimp front door sash cover extension with a hand riveter (A).

Front door sash cover	
Crimping thickness	**1.7 mm (0.067 in)**
Prepared hole diameter	**4.2 – ϕ4.4 mm (0.165 – ϕ0.173 in)**
Used rivet head diameter	**ϕ6.0 mm (ϕ0.236 in)**



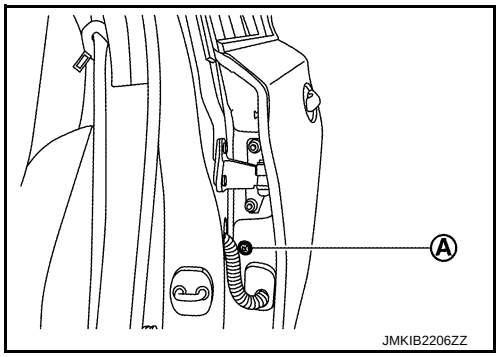
REAR DOOR SASH COVER

REAR DOOR SASH COVER : Removal and Installation

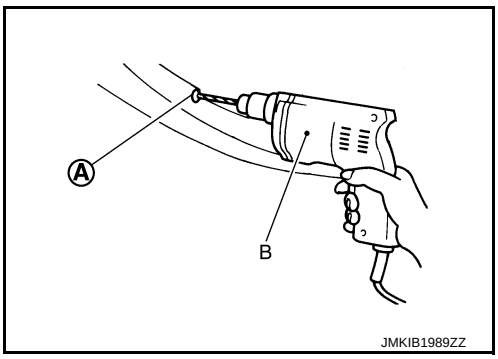
INFOID:0000000012792638

REMOVAL

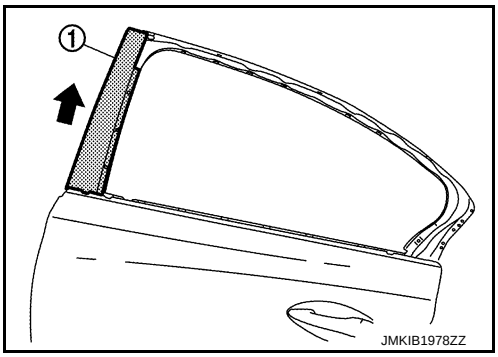
1. Remove rear door glass. Refer to GW-41, "Removal and Installation".
2. Remove rear door sash molding. Refer to EXT-42, "REAR DOOR SASH MOLDING : Removal and Installation".
3. Remove rear door sash cover mounting bolt Ⓐ.



4. Remove rear door sash cover fixing rivets.
NOTE:
Grind the head of rivet Ⓐ with a drill (B) [bit of 3.2 – ϕ4.0 mm (0.126 – ϕ0.157 in)]



5. Remove rear door sash cover ① as shown by the arrow in the figure.



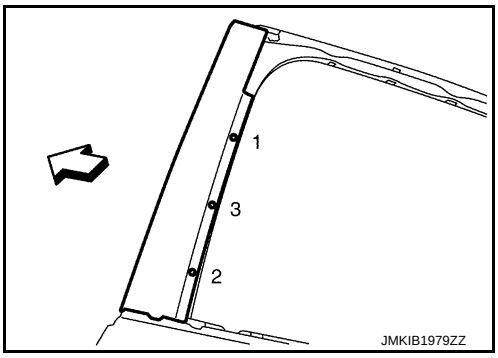
INSTALLATION

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

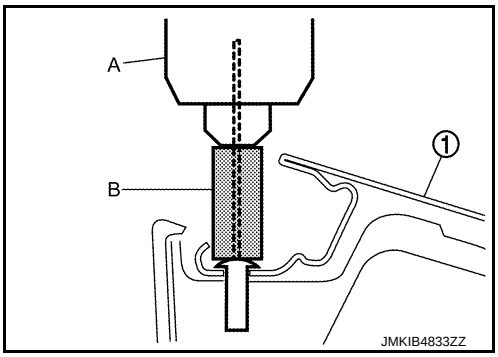
CAUTION:

- **Install rear door sash cover fixing rivets according to the numerical order 1→3.**

⇦ : Vehicle front

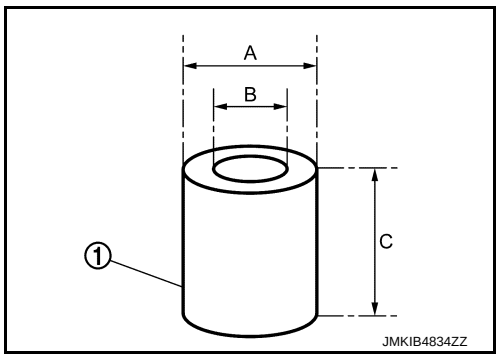


- **If the hand riveter (A) interferes with rear door sash cover ①, to use spacer (B) as shown in the figure.**
- **Apply protective tape on the part to protect it from damage.**

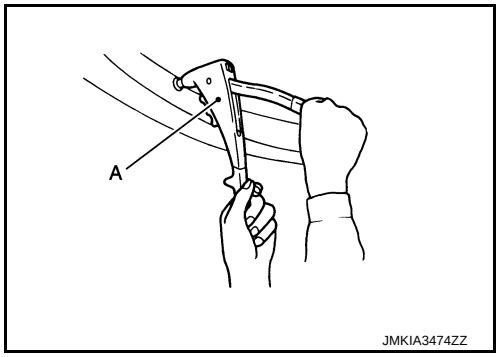


- **Use of spacer ① within the following dimensions.**

  A : 7.0 mm or less (0.276 in or less)
  B : 2.5 – 3.0 mm (0.098 – 0.118 in)
  C : 18.0 – 20.0 mm (0.709 – 0.787 in)



NOTE:
- Use of rivets with resin washer as rear door sash cover fastening rivets.
- Securely crimp rear door sash cover extension with a hand riveter (A).

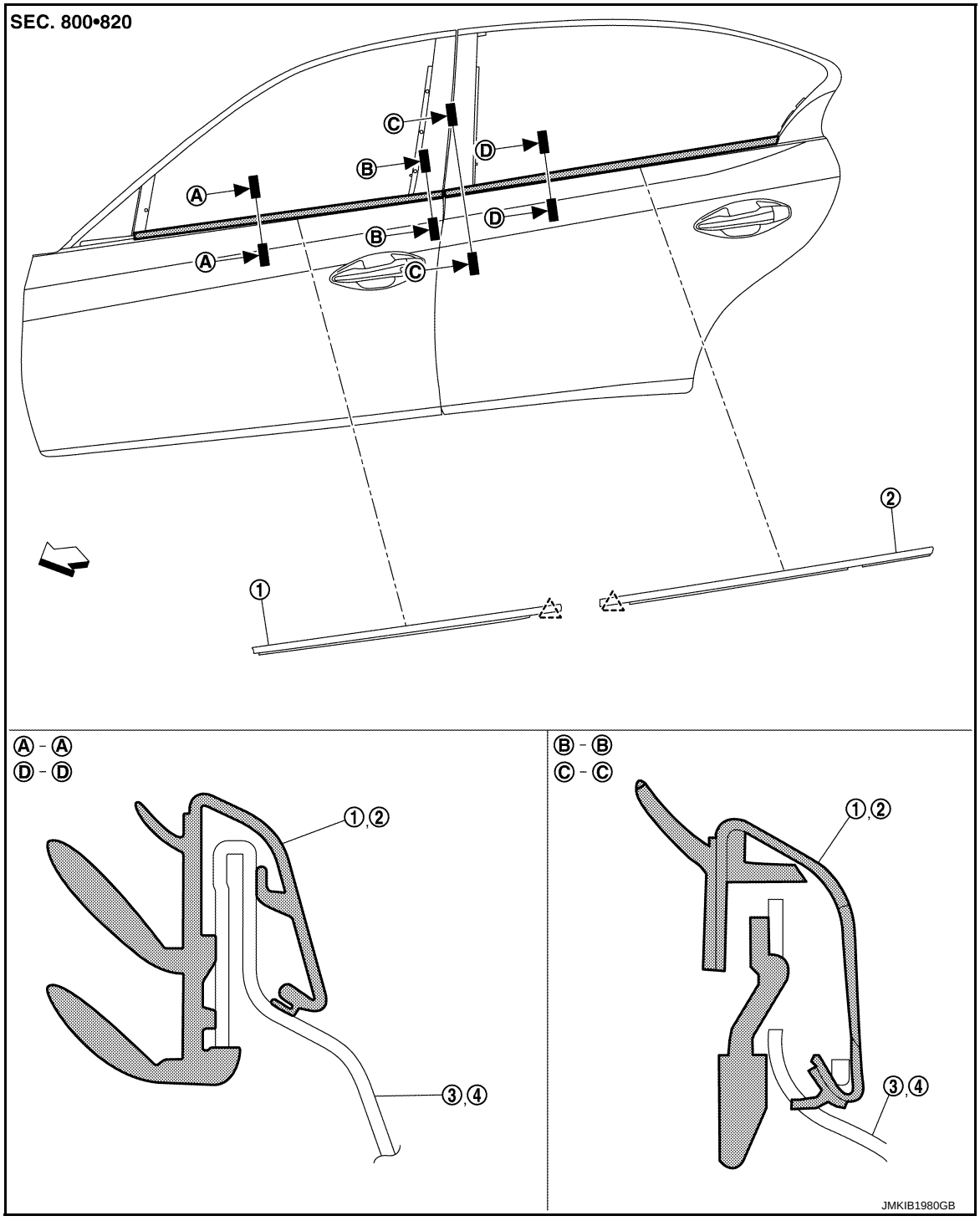


Rear door sash cover	
Crimping thickness	**1.7 mm (0.067 in)**
Prepared hole diameter	**4.2 – ϕ4.4 mm (0.165 – ϕ0.173 in)**
Used rivet head diameter	**ϕ6.0 mm (ϕ0.236 in)**

DOOR OUTSIDE MOLDING

Exploded View

INFOID:0000000012792639



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

④ Rear door panel

△ : Pawl

⇦ : Vehicle front

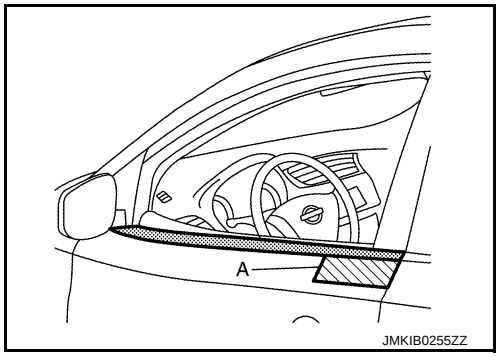
FRONT DOOR OUTSIDE MOLDING

FRONT DOOR OUTSIDE MOLDING : Removal and Installation

INFOID:0000000012792640

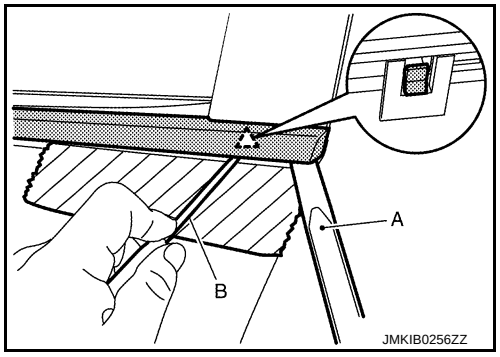
REMOVAL

1. Fully open front door glass.
2. Remove front door mirror assembly. Refer to the following.
   - WITH ADP: MIR-50, "DOOR MIRROR : Removal and Installation".
   - WITHOUT ADP: MIR-76, "DOOR MIRROR : Removal and Installation".
3. Apply protective tape (A) on the part to protect it from damage.

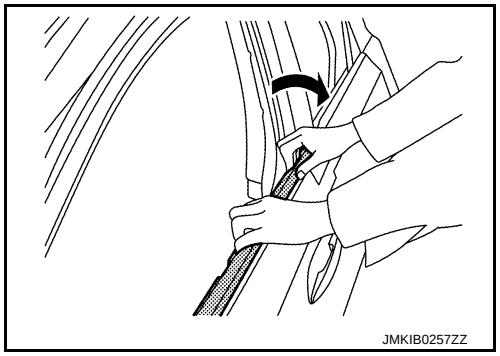


4. Disengage rear end of front door outside molding fixing pawl using remover tool (A) and (B).
   CAUTION:
   Never lift front door outside molding with excessive force to prevent damage to the part.

   : Pawl



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



INSTALLATION

Install in the reverse order of removal.

REAR DOOR OUTSIDE MOLDING

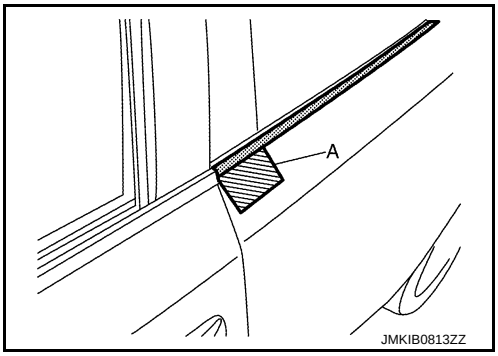
REAR DOOR OUTSIDE MOLDING : Removal and Installation

INFOID:0000000012792641

REMOVAL

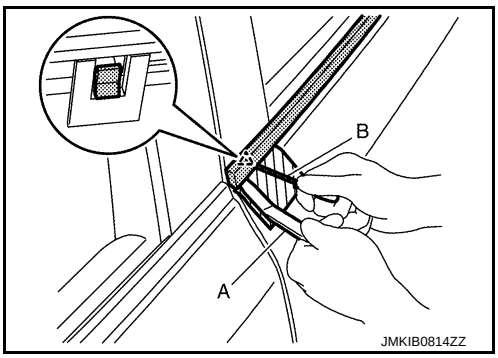
1. Fully open rear door glass.

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

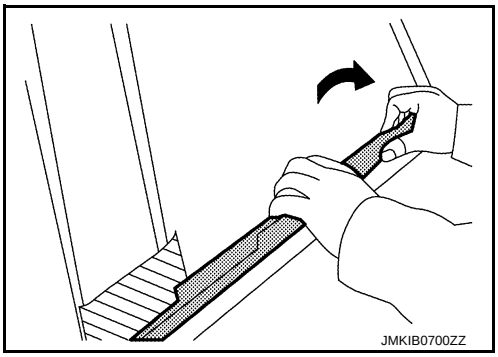


3. Disengage fixing pawl of rear door outside molding front and rear end, using remover tool (A) and (B).
CAUTION:
Never lift rear door outside molding with excessive force to prevent damage to the part.

: Pawl



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



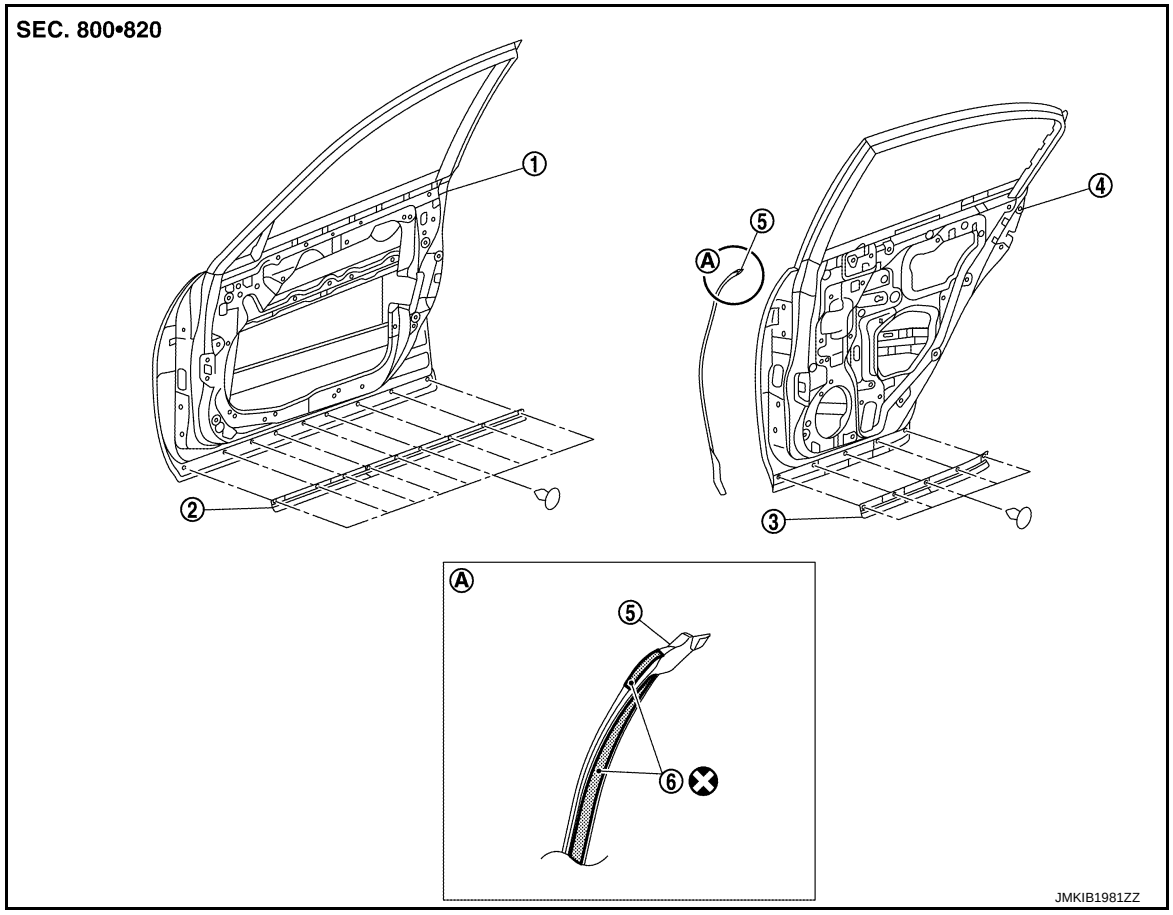
INSTALLATION

Install in the reverse order of removal.

DOOR PARTING SEAL

Exploded View

INFOID:0000000012792642



① Front door panel	② Front door parting seal	③ Rear door parting seal
④ Rear door panel	⑤ Rear door parting seal (front)	⑥ Double-sided tape [t: 0.8 mm (0.031 in)]

⊗ : Always replace after every disassembly.

Removal and Installation

INFOID:0000000012792643

FRONT DOOR PARTING SEAL

Removal

1. Fully open front door.
2. Remove front door parting seal fixing clips, and then remove front door parting seal.
   CAUTION:
   - **Disengage the clips slowly and carefully.**
   - **Never pull the front door parting seal strongly.**

Installation

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

CAUTION:

When installing, visually check the front door parting seal and the clips, then replace them with new parts if they are damaged.

REAR DOOR PARTING SEAL

Removal

1. Fully open rear door.
2. Remove rear door parting seal fixing clips, and then remove rear door parting seal.
   CAUTION:
   - **Disengage the clips slowly and carefully.**
   - **Never pull the rear door parting seal strongly.**

Installation

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

CAUTION:

When installing, visually check the rear door parting seal and the clips, then replace them with new parts if they are damaged.

REAR DOOR PARTING SEAL (FRONT)

Removal

1. Fully open front door.
2. Pull back rear door parting seal (front), and then remove rear door parting seal (front).
   CAUTION:
   Never bend the rear door parting seal (front) strongly.

Installation

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

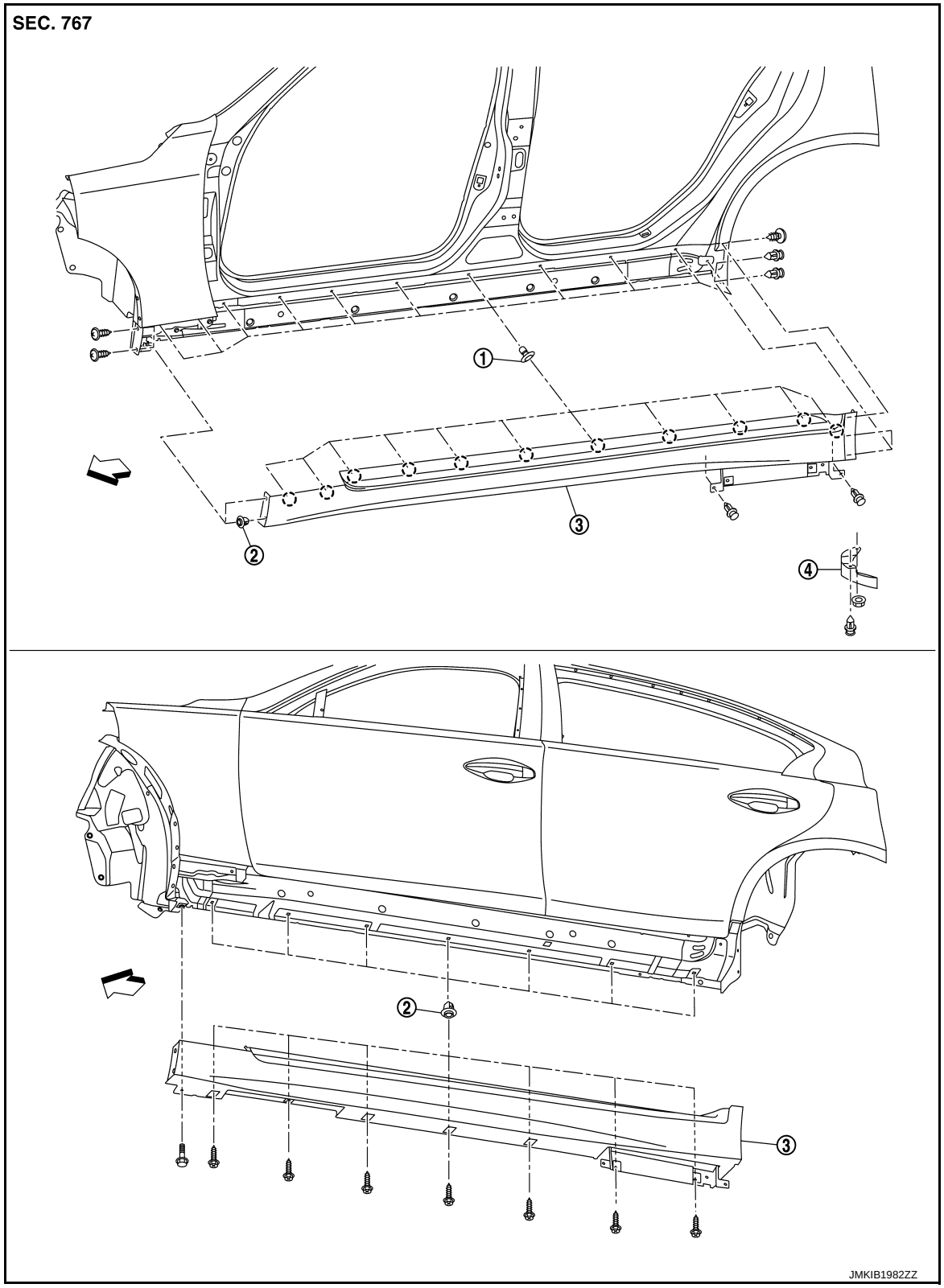
CAUTION:

- **When installing, visually check the rear door parting seal (front), then replace them with new parts if they are damaged.**
- **Replace double-sided tape with a new one, if the rear door parting seal (front) is reused.**
- **Remove double-sided tape remaining on body and back of rear door parting seal (front) with a double-sided tape remover, after removing rear door parting seal (front).**
- **Never wash the vehicle within 24 hours after installing so as to keep adhesive.**

SILL COVER

Exploded View

INFOID:0000000012792644



① Grommet
② Screw grommet
③ Sill cover
④ Wind deflector

: Clip

: Vehicle front

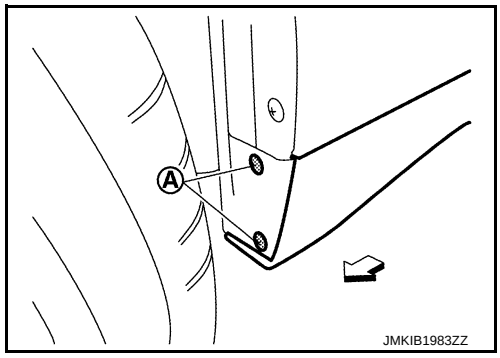
Removal and Installation

INFOID:0000000012792645

REMOVAL

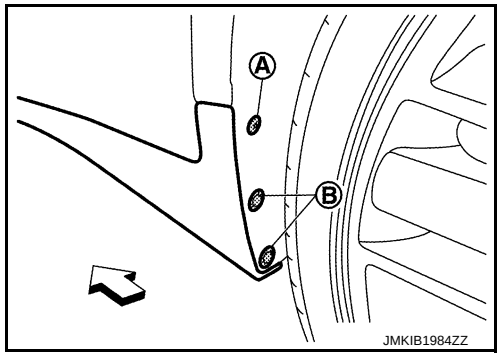
1. Remove sill cover fixing screws Ⓐ of sill cover front end.

: Vehicle front

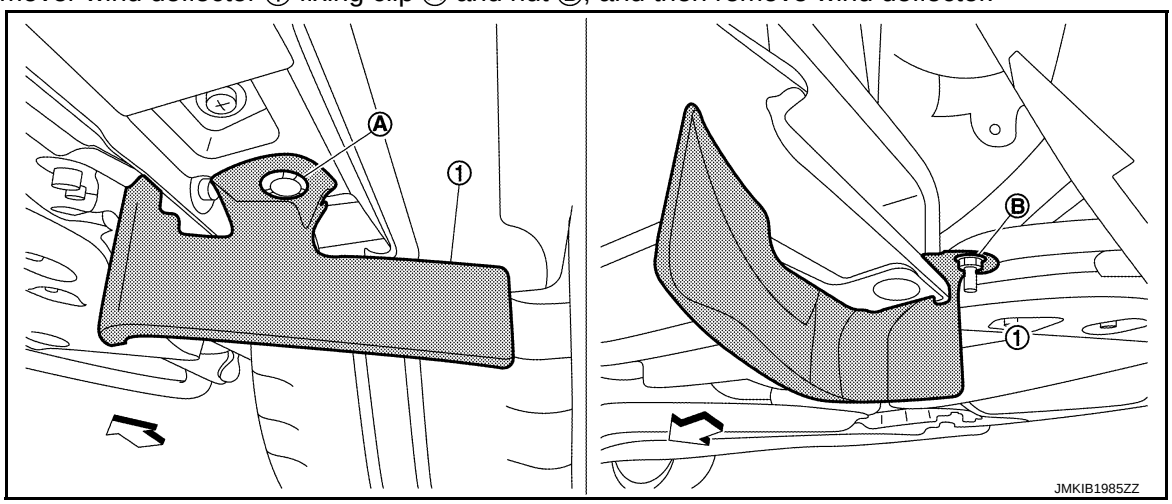


2. Remove sill cover fixing screw Ⓐ and clips Ⓑ of sill cover rear end.

: Vehicle front

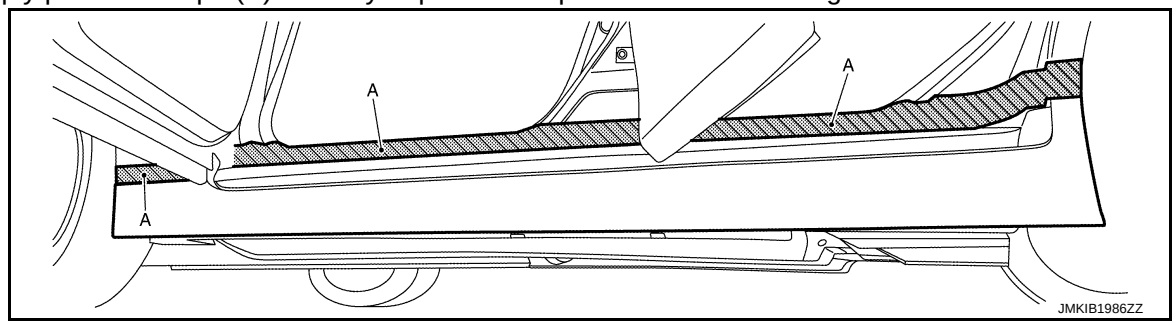


3. Remove sill cover fixing screws of sill cover lower side.
4. Remover wind deflector ① fixing clip Ⓐ and nut Ⓑ, and then remove wind deflector.



: Vehicle front

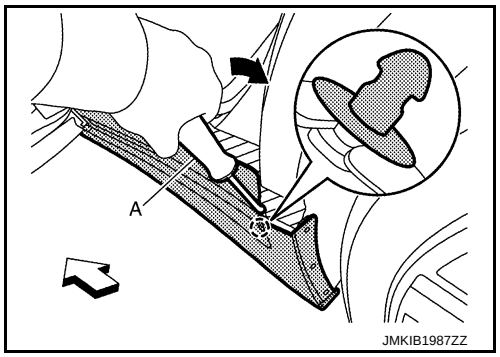
5. Apply protective tape (A) on body to protect the painted surface damage.



6. Disengage sill cover fixing clips from rear end to front end of vehicle using remover tool (A), and then remove sill cover.

: Clip

: Vehicle front



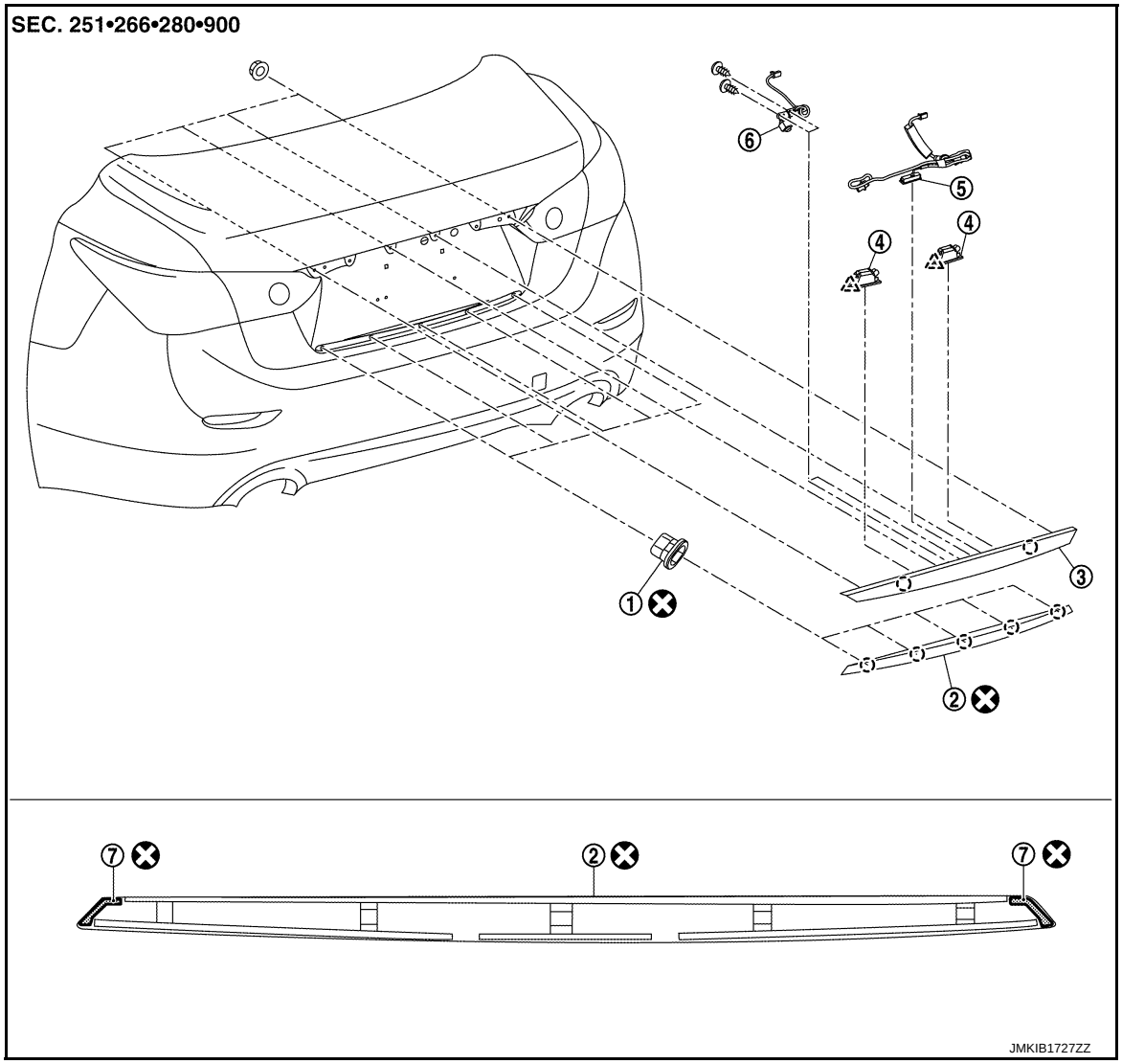
INSTALLATION

Install in the reverse order of removal.

TRUNK LID FINISHER

Exploded View

INFOID:0000000012792646



① Grommet
② Trunk lid molding
③ Trunk lid finisher
④ License plate lamp
⑤ Trunk lid opener request switch
⑥ Rear camera / Rear view camera
⑦ Double-sided tape [t: 1.2 mm (0.047 in)]
: Clip
: Always replace after every disassembly.

TRUNK LID FINISHER

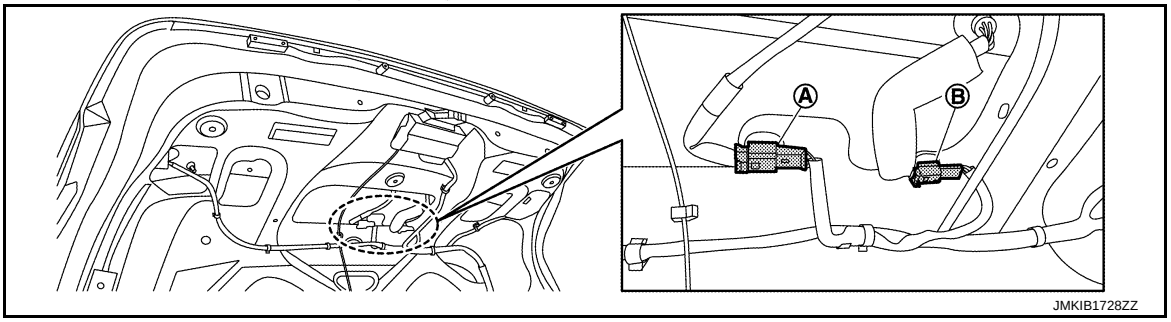
TRUNK LID FINISHER : Removal and Installation

INFOID:0000000012792647

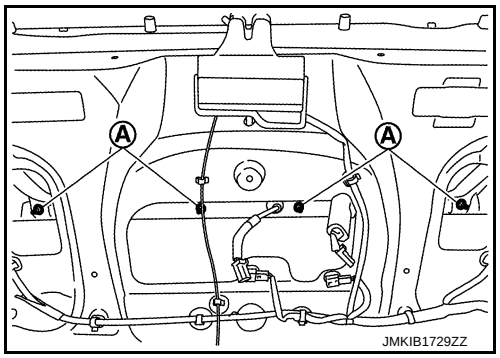
REMOVAL

1. Remove trunk lid trim. Refer to INT-57, "Removal and Installation".

2. Disconnect harness connector Ⓐ and Ⓑ.

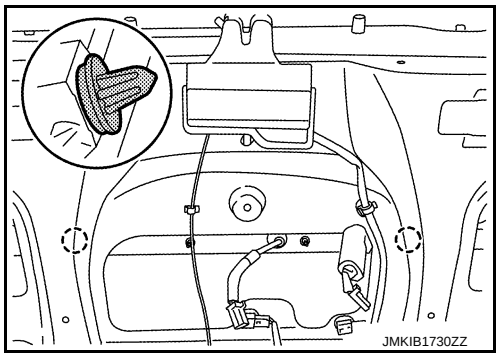


3. Remove trunk lid finisher mounting nuts Ⓐ.



4. Disengage fixing clips of trunk lid finisher from inside of trunk lid, and then remove trunk lid finisher.

: Clip



5. Remove the following parts after removing trunk lid finisher.
   - Trunk lid opener request switch. Refer to DLK-259, "Removal and Installation".
   - License plate lamp. Refer to EXL-230, "Removal and Installation".
   - Rear camera (with AROUND VIEW MONITOR SYSTEM). Refer to AV-622, "Removal and Installation".
   - Rear view camera (with REAR VIEW MONITOR SYSTEM). Refer to AV-693, "Removal and Installation".

INSTALLATION

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

CAUTION:

When installing trunk lid finisher, check that clips are securely in body panel holes, and press them in.

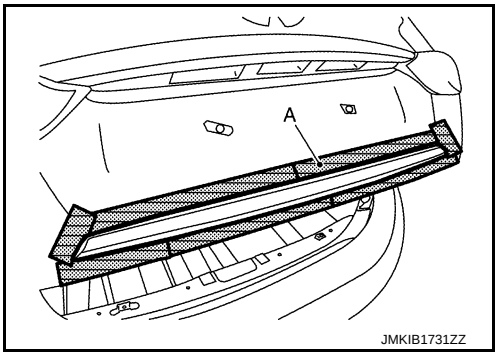
TRUNK LID MOLDING

TRUNK LID MOLDING : Removal and Installation

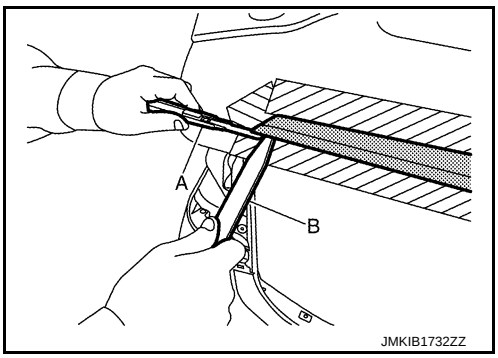
INFOID:0000000012792648

REMOVAL

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

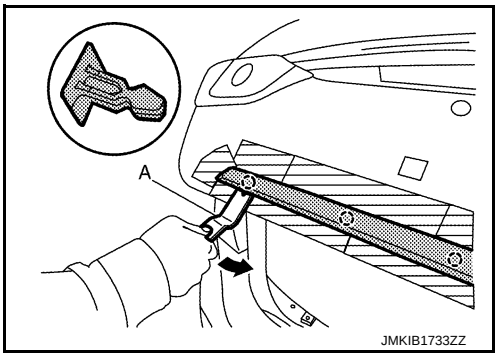


2. Insert a remover tool (A) between trunk lid molding and trunk lid panel, cut double-sided tape using a cutter (B) while lifting trunk lid molding.



3. Disengage trunk lid molding fixing clips, using a remover tool (A), and then remove trunk lid molding.

: Clip



INSTALLATION

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

CAUTION:

- **Never damage the trunk lid panel.**
- **Never wash the vehicle within 24 hours after installing so as to keep adhesive.**