SECTION EXT
EXTERIOR

CONTENTS

PRECAUTION

PRECAUTIONS

FOR USA AND CANADA

FOR USA AND CANADA : Precaution for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TENSIONER"

INFOID:0000000011740797

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

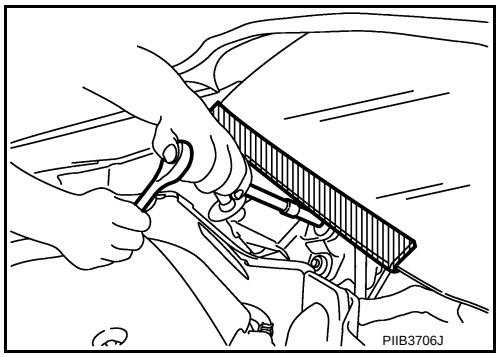
Always observe the following items for preventing accidental activation.

- **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.**

FOR USA AND CANADA : Precaution for Procedure without Cowl Top Cover

INFOID:0000000011740798

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



FOR USA AND CANADA : Precaution for Battery Service

INFOID:0000000011740799

Before disconnecting the battery, lower both the driver and passenger windows. This will prevent any interference between the window edge and the vehicle when the door is opened/closed. During normal operation, the window slightly raises and lowers automatically to prevent any window to vehicle interference. The automatic window function will not work with the battery disconnected.

FOR USA AND CANADA : Precautions For Xenon Headlamp Service

INFOID:0000000011740800

WARNING:

Comply with the following warnings to prevent any serious accident.

- **Disconnect the battery cable (negative terminal) or the power supply fuse before installing, removing, or touching the xenon headlamp (bulb included). The xenon headlamp contains high-voltage generated parts.**
- **Never work with wet hands.**
- **Check the xenon headlamp ON-OFF status after assembling it to the vehicle. Never turn the xenon headlamp ON in other conditions. Connect the power supply to the vehicle-side connector. (Turning it ON outside the lamp case may cause fire or visual impairments.)**
- **Never touch the bulb glass immediately after turning it OFF. It is extremely hot.**

CAUTION:

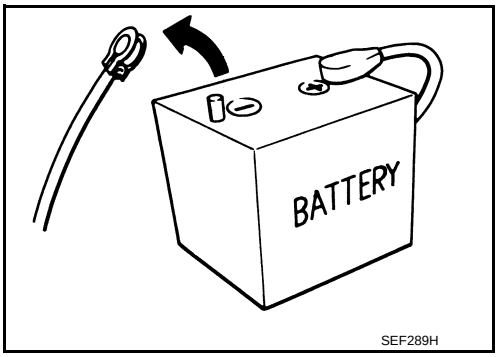
Comply with the following cautions to prevent any error and malfunction.

- **Install the xenon bulb securely. (Insufficient bulb socket installation may melt the bulb, the connector, the housing, etc. by high-voltage leakage or corona discharge.)**
- **Never perform HID circuit inspection with a tester.**
- **Never touch the xenon bulb glass with hands. Never put oil and grease on it.**
- **Dispose of the used xenon bulb after packing it in thick vinyl without breaking it.**
- **Never wipe out dirt and contamination with organic solvent (thinner, gasoline, etc.).**

FOR USA AND CANADA : Precautions for Removing Battery Terminal

INFOID:0000000011740801

- When removing the 12V battery terminal, turn OFF the ignition switch and wait at least 30 seconds.
  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.
- 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.

FOR USA AND CANADA : Precaution for Work

INFOID:0000000011740802

- 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.

FOR MEXICO

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

INFOID:0000000011740803

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:

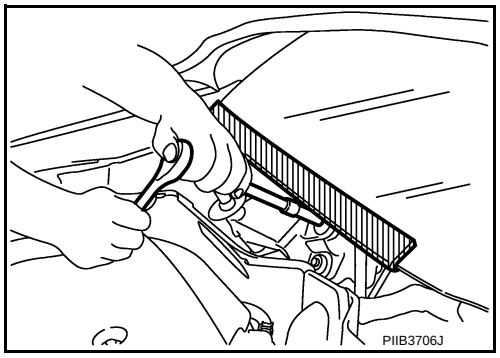
Always observe the following items for preventing accidental activation.

- **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.**

FOR MEXICO : Precaution for Procedure without Cowl Top Cover

INFOID:0000000011740804

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



FOR MEXICO : Precaution for Battery Service

INFOID:0000000011740805

Before disconnecting the battery, lower both the driver and passenger windows. This will prevent any interference between the window edge and the vehicle when the door is opened/closed. During normal operation, the window slightly raises and lowers automatically to prevent any window to vehicle interference. The automatic window function will not work with the battery disconnected.

FOR MEXICO : Precautions For Xenon Headlamp Service

INFOID:0000000011740806

WARNING:

Comply with the following warnings to prevent any serious accident.

- **Disconnect the battery cable (negative terminal) or the power supply fuse before installing, removing, or touching the xenon headlamp (bulb included). The xenon headlamp contains high-voltage generated parts.**
- **Never work with wet hands.**
- **Check the xenon headlamp ON-OFF status after assembling it to the vehicle. Never turn the xenon headlamp ON in other conditions. Connect the power supply to the vehicle-side connector. (Turning it ON outside the lamp case may cause fire or visual impairments.)**
- **Never touch the bulb glass immediately after turning it OFF. It is extremely hot.**

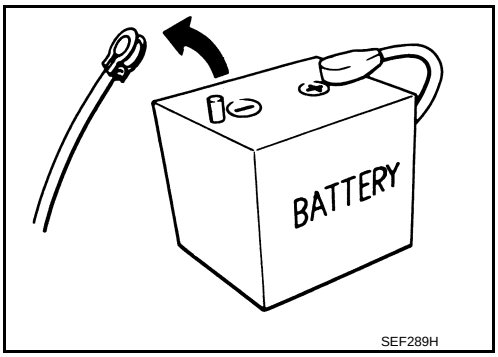
CAUTION:

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

- **Install the xenon bulb securely. (Insufficient bulb socket installation may melt the bulb, the connector, the housing, etc. by high-voltage leakage or corona discharge.)**
- **Never perform HID circuit inspection with a tester.**
- **Never touch the xenon bulb glass with hands. Never put oil and grease on it.**
- **Dispose of the used xenon bulb after packing it in thick vinyl without breaking it.**
- **Never wipe out dirt and contamination with organic solvent (thinner, gasoline, etc.).**

FOR MEXICO : Precautions for Removing Battery Terminal

INFOID:0000000011740807



- When removing the 12V battery terminal, turn OFF the ignition switch and wait at least 30 seconds.
  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.
- 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.

FOR MEXICO : Precaution for Work

INFOID:0000000011740808

- 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.

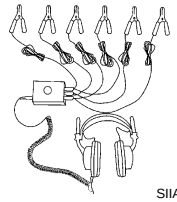
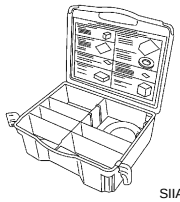
PREPARATION

PREPARATION

Special Service Tools

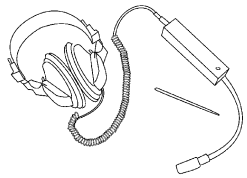
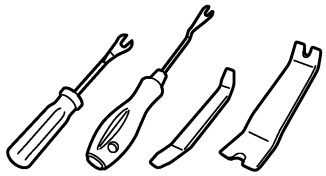
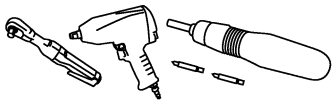
INFOID:0000000011740809

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:0000000011740810

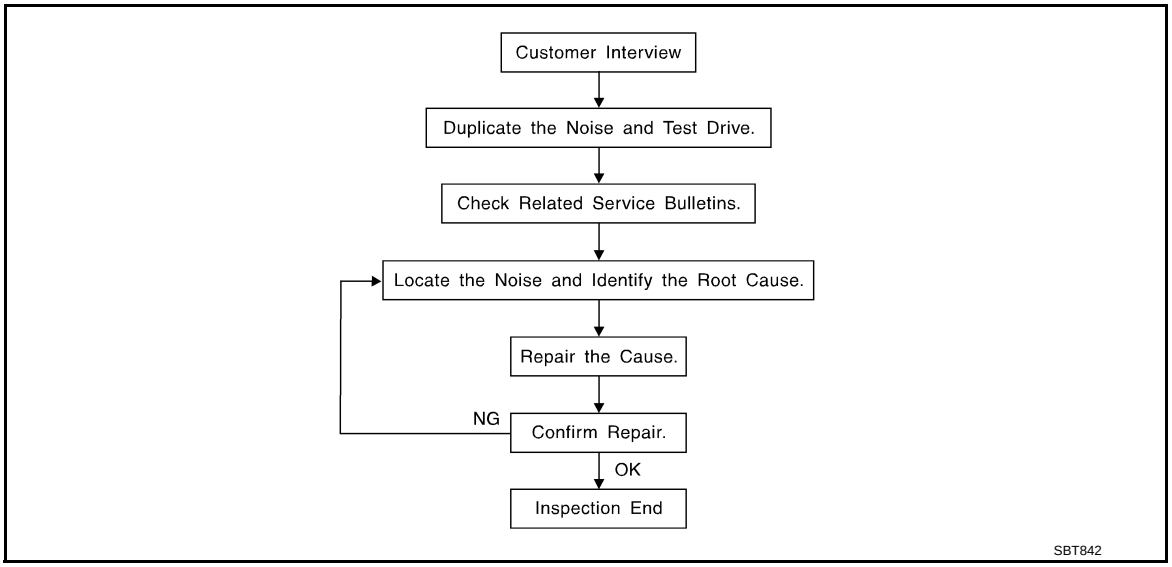
Tool name	Description
Engine ear  SIIA0995E	Locates the noise
Remover tool  JMKIA3050ZZ	Removes clips, pawls and metal clips
Power tool  PIIB1407E	Loosening bolts, nuts and screws

SYMPTOM DIAGNOSIS

SQUEAK AND RATTLE TROUBLE DIAGNOSES

Work Flow

INFOID:0000000011740811



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 customer's comments; refer to EXT-12, "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 cruise test on the vehicle with the customer.
- After identifying the type of noise, isolate the noise in terms of its characteristics. The noise characteristics are provided so the customer, service adviser and technician are all speaking the same language when defining the noise.
- Squeak – (Like tennis shoes on a clean floor)
  Squeak characteristics include the light contact/fast movement/brought on by road conditions/hard surfaces = higher pitch noise/softer surfaces = lower pitch noises/edge to surface = chirping
- Creak – (Like walking on an old wooden floor)
  Creak characteristics include firm contact/slow movement/twisting with a rotational movement/pitch dependent on materials/often brought on by activity.
- Rattle – (Like shaking a baby rattle)
  Rattle characteristics include the fast repeated contact/vibration or similar movement/loose parts/missing clip or fastener/incorrect clearance.
- Knock – (Like a knock on a door)
  Knock characteristics include hollow sounding/sometimes repeating/often brought on by driver action.
- Tick – (Like a clock second hand)
  Tick characteristics include gentle contacting of light materials/loose components/can be caused by driver action or road conditions.
- Thump – (Heavy, muffled knock noise)
  Thump characteristics include softer knock/dead sound often brought on by activity.
- Buzz – (Like a bumblebee)
  Buzz characteristics include high frequency rattle/firm contact.
- Often the degree of acceptable noise level will vary depending up on 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

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

LOCATE THE NOISE AND IDENTIFY THE ROOT CAUSE

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

- Removing the components in the area that 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 are suspected to be the cause of the noise.
- Looking for loose components and contact marks.
  Refer to EXT-10, "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. 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) are listed on the inside cover of the kit; and can each be ordered separately as needed.
URETHANE PADS [1.5 mm (0.059 in) thick]
Insulates connectors, harness, etc.
76268-9E005: 100 × 135 mm (3.94 × 5.31 in)/76884-71L01: 60 × 85 mm (2.36 × 3.35 in)/76884-71L02:15 × 25 mm (0.59 × 0.98 in)
INSULATOR (Foam blocks)
Insulates components from contact. Can be used to fill space behind a panel.
73982-9E000: 45 mm (1.77 in) thick, 50 × 50 mm (1.97 × 1.97 in)/73982-50Y00: 10 mm (0.39 in) thick, 50 × 50 mm (1.97 × 1.97 in)
INSULATOR (Light foam block)
80845-71L00: 30 mm (1.18 in) thick, 30 × 50 mm (1.18 × 1.97in)
FELT CLOTHTAPE
Used to insulate where movement does not occur. Ideal for instrument panel applications.

68370-4B000: 15 × 25 mm (0.59 × 0.98 in) pad/68239-13E00: 5 mm (0.20 in) wide tape roll
The following materials, not found in the kit, can also be used to repair squeaks and rattles.
UHMW (TEFLON) TAPE
Insulates where slight movement is present. Ideal for instrument panel applications.
SILICONE GREASE
Used in place of UHMW tape that is be visible or does not fit. Will only last a few months.
SILICONE SPRAY
Used when grease cannot be applied.
DUCT TAPE
Used to eliminate movement.

CONFIRM THE REPAIR

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

Inspection Procedure

INFOID:0000000011740812

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 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 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 look for the following:

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

3. The trunk lid torsion bars knocking together
4. A loose license plate or bracket

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

SUNROOF/HEADLINING

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

1. Sunroof lid, rail, linkage or seals making a rattle or light knocking noise
2. 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's important to note the position the seats 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. 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.

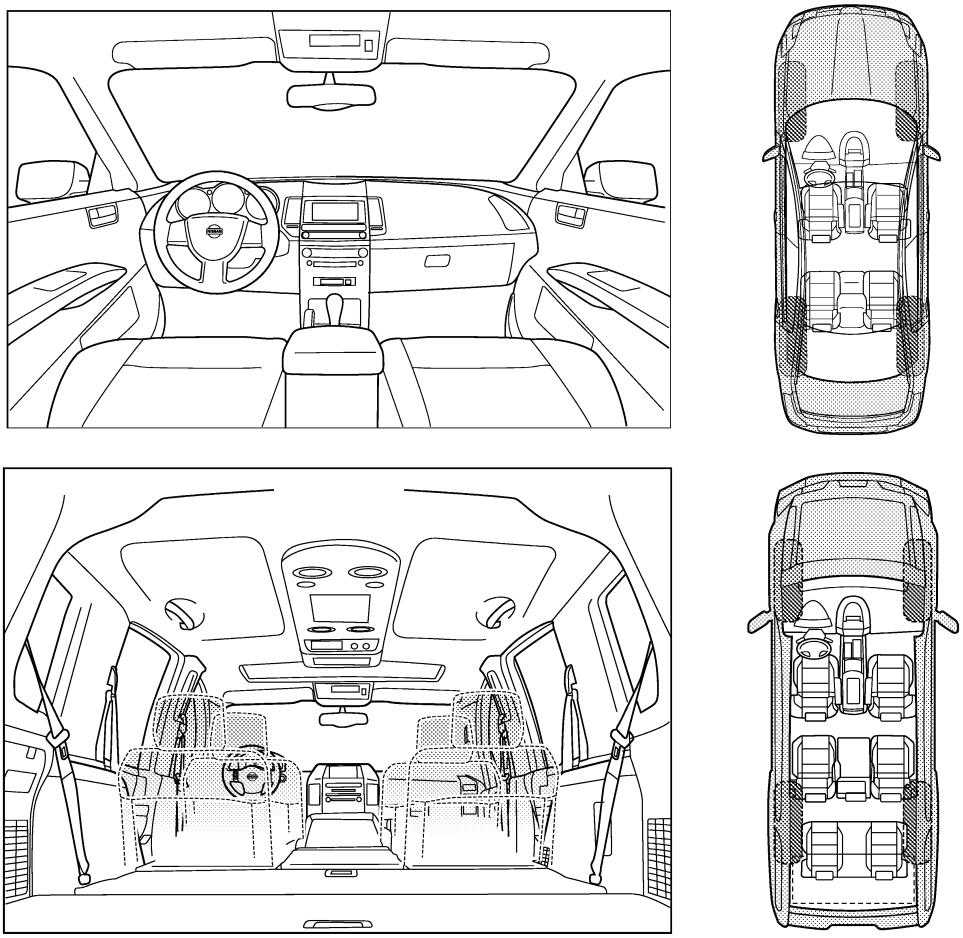
Diagnostic Worksheet

INFOID:0000000011740813

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.

PIIB8740E

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

PIIB8742E

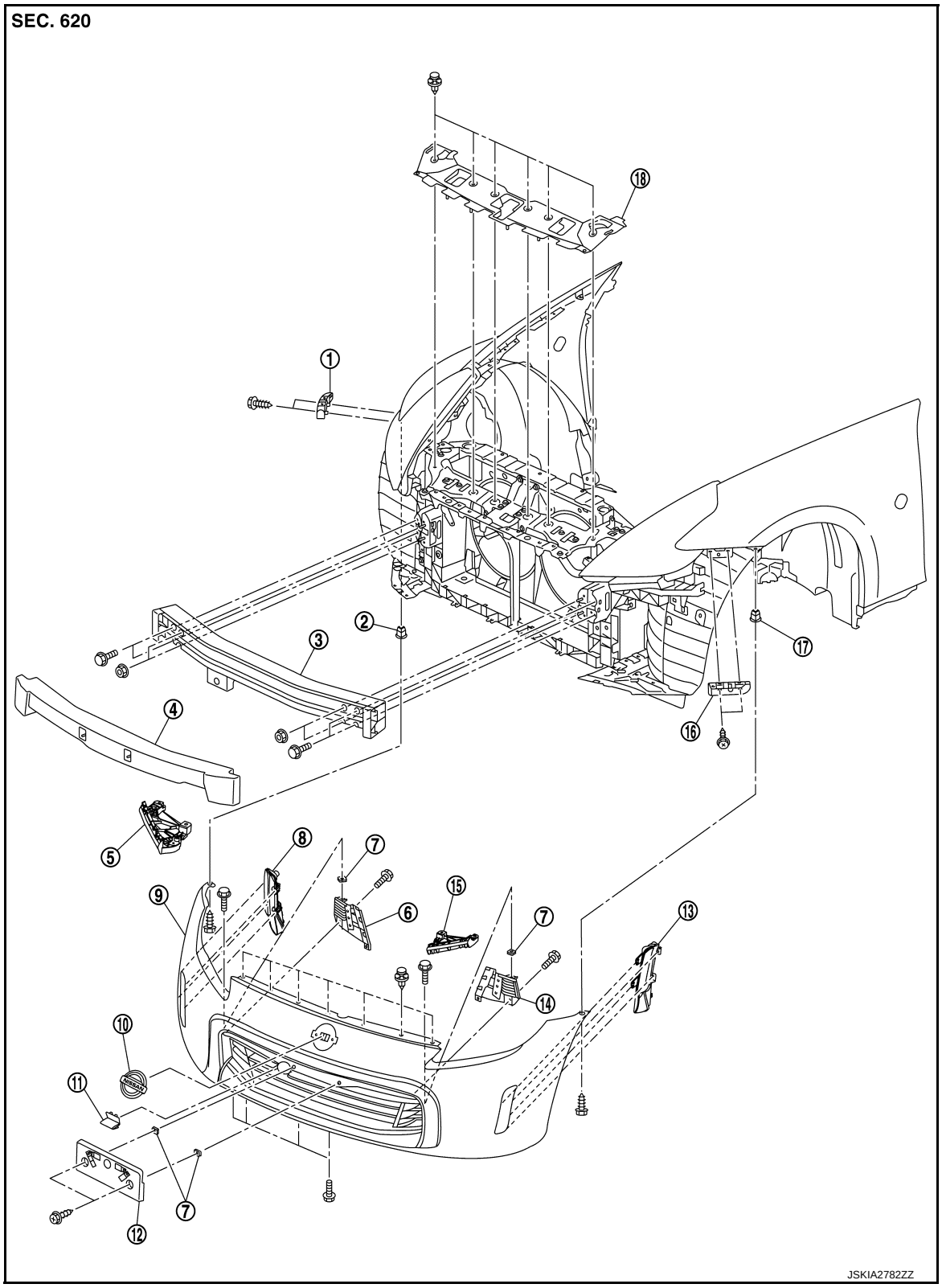
REMOVAL AND INSTALLATION

FRONT BUMPER

Exploded View

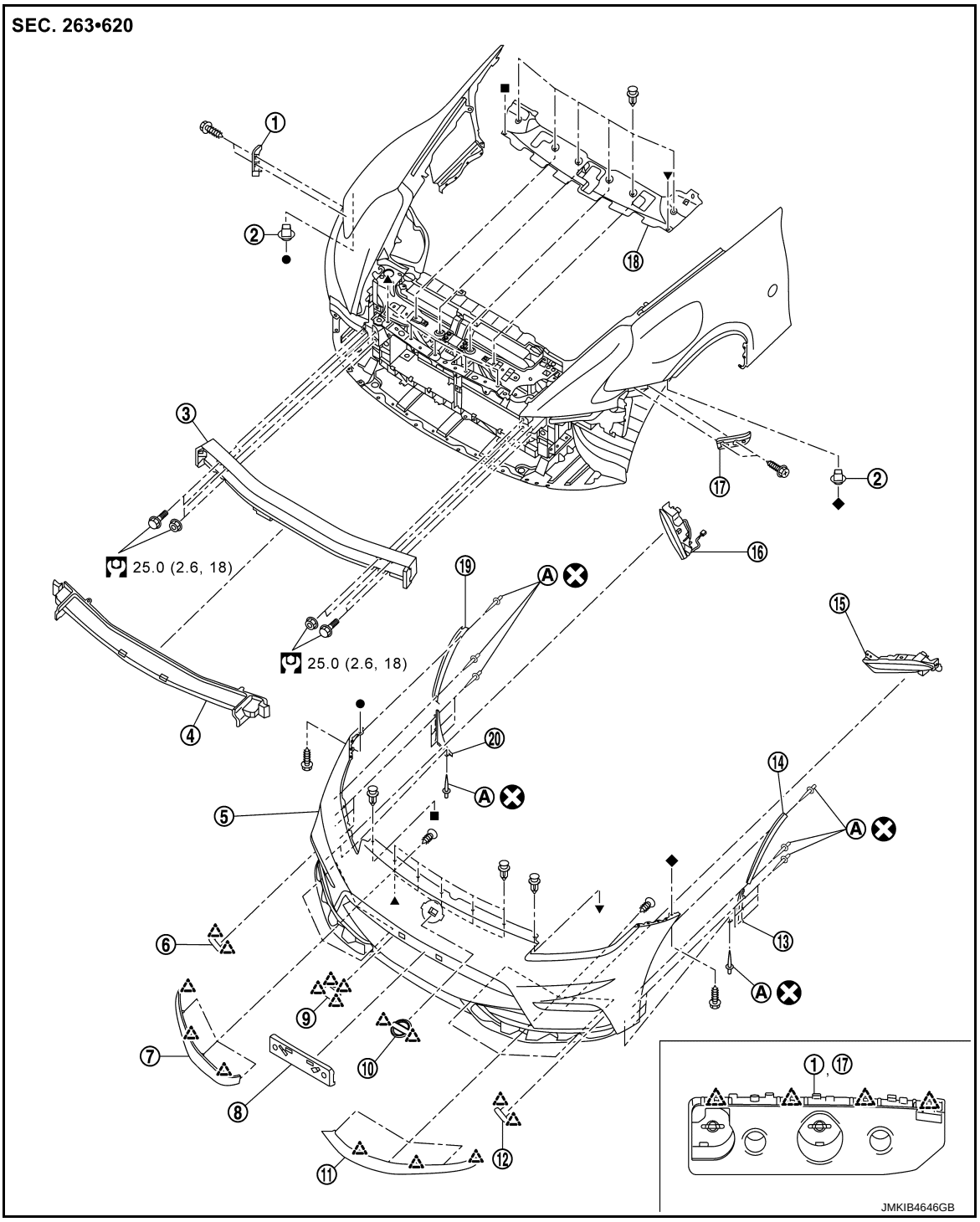
INFOID:0000000011740814

EXCEPT FOR NISMO



1. Bumper side bracket RH
2. Bumper side grommet RH
3. Bumper reinforcement
4. Energy absorber
5. Clip front bumper RH
6. Bumper sight shield RH
7. Spring nut
8. Day time running lamp assembly RH
9. Bumper fascia assembly
10. Front emblem
11. Bumper finisher
12. License plate bracket
13. Day time running lamp assembly LH
14. Bumper sight shield LH
15. Clip front bumper LH
16. Bumper side bracket LH
17. Bumper side grommet LH
18. Bumper center upper finisher

FOR NISMO



1. Bumper side bracket RH
2. Grommet
3. Bumper reinforcement
4. Energy absorber
5. Front bumper fascia
6. Bumper side molding RH

7. Bumper lower molding RH
8. License plate bracket
9. Bumper bracket
10. Front emblem
11. Bumper lower molding LH
12. Bumper side molding LH
13. Bumper protector LH
14. Front fender molding front LH
15. Daytime running light LH
16. Daytime running light RH
17. Bumper side bracket LH
18. Bumper center upper finisher
19. Front fender molding front RH
20. Bumper protector RH

A : Rivet

: Pawl

: Always replace after every disassembly.

: N·m (kg-m, ft-lb)

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

Removal and Installation

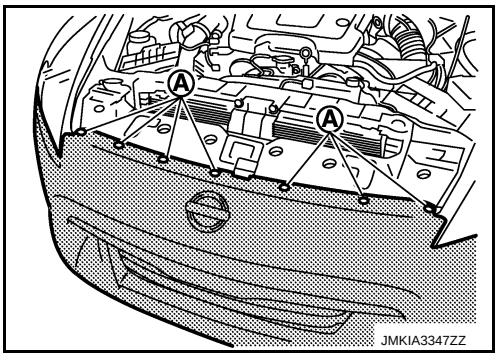
INFOID:0000000011740815

REMOVAL

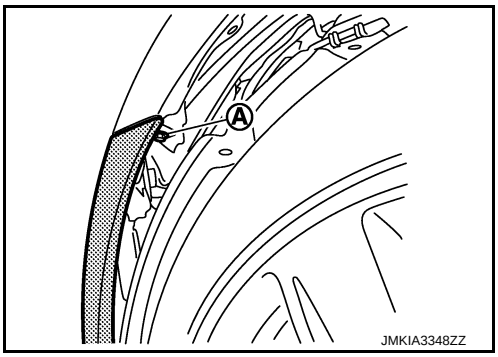
CAUTION:

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

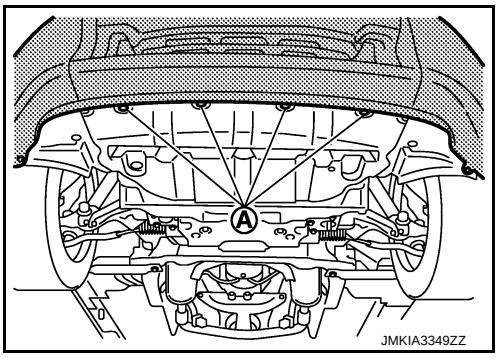
1. Fully open hood assembly.
2. Remove front bumper fascia assembly upper side fixing clips (A).



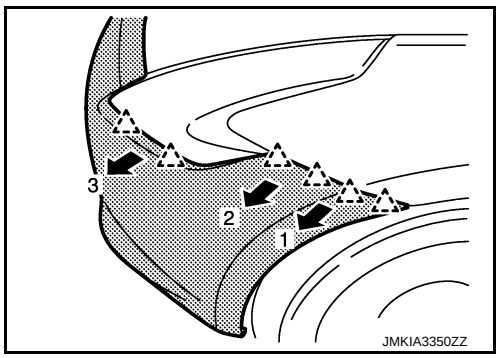
3. Remove fender protector (front) fixing clips and screws to access bumper fascia assembly fixing screw (A), and then remove bumper fascia fixing screws (LH/RH).



4. Remove bumper fascia assembly fixing bolts (A) from bumper fascia assembly lower side.



5. Pull bumper fascia assembly side toward the vehicle side as shown by the arrow in the figure, and then disengage bumper fascia assembly from bumper side brackets (LH/RH).
CAUTION:
When removing bumper fascia, 2 workers are required so as to prevent it from dropping.

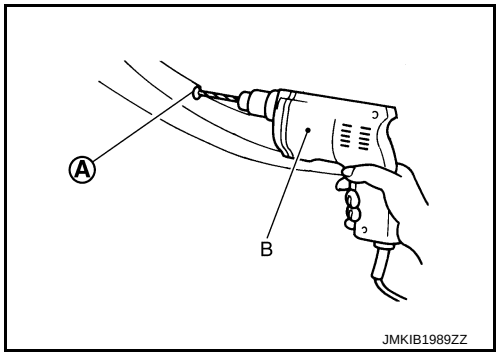


: Pawl

6. Disconnect daytime running light harness connector.
7. Remove bumper fascia assembly.
8. Remove the following parts after removing bumper fascia.

Except for NISMO
- Daytime running light (LH/RH). Refer to EXL-112, "Removal and Installation".
- Front spoiler. Refer to EXT-27, "Removal and Installation".
- License plate bracket
- Bumper sight shields (LH/RH)
- Bumper finisher
- Bumper side brackets (LH/RH)

For NISMO
- Daytime running light (LH/RH). Refer to EXL-112, "Removal and Installation".
- Front fender molding front (LH/RH). Refer to EXT-32, "FRONT FENDER MOLDING : Removal and Installation".
- License plate bracket
- Bumper bracket
- Front emblem
- Bumper side molding (LH/RH)
- Bumper lower molding (LH/RH)
- Bumper side bracket (LH/RH)
- Bumper protector (LH/RH)
  Remove fixing rivets, and then remove bumper protector (LH/RH).
  NOTE:
  Removal of rivet.
  Grind the head of rivet (A) with a drill (B) [bit of ϕ3.1 – 3.3 mm (ϕ0.122 – 0.130 in)].



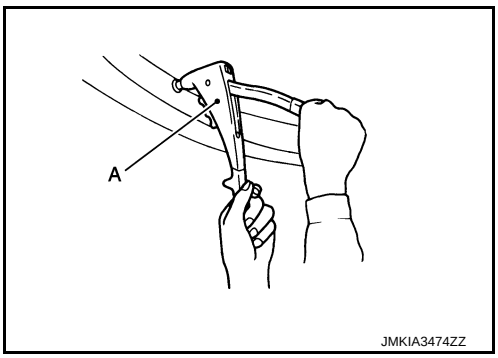
9. Remove bumper energy absorber.
10. Remove bumper reinforcement mounting nuts and bolts, and then remove bumper reinforcement.

INSTALLATION

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

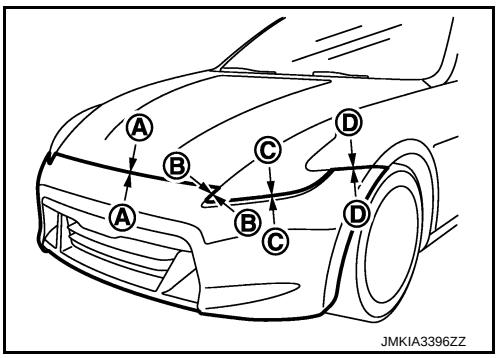
- Securely crimp bumper protector (LH/RH) extension with a hand riveter (A). (for NISMO)

Bumper protector	
Crimping thickness	4.5 – 6.1 mm (0.177 – 0.240 in)
Prepared hole diameter	ϕ3.4 – 3.6 mm (ϕ0.134 – 0.142 in)
Used rivet head diameter	ϕ6.1 – 6.7 mm (ϕ0.240 – 0.264 in)



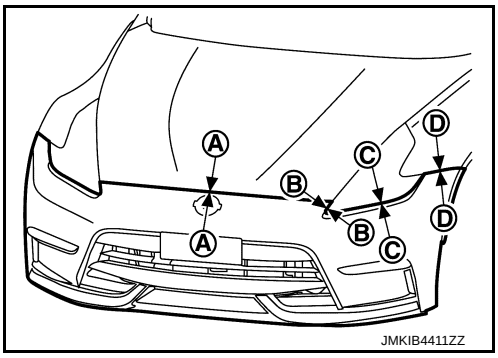
- After installing, perform fitting adjustment.

- Except for NISMO



Portion		Clearance	Surface height difference
Front bumper – Hood	A – A	2.9 – 6.9 mm (0.114 – 0.272 in)	(–1.0) – (+3.0) mm [(–0.039) – (+0.118) in]
Front bumper – Front combination lamp	B – B	1.8 – 5.2 mm (0.071 – 0.205 in)	—
Front bumper – Front combination lamp	C – C	0.0 – 3.0 mm (0.000 – 0.118 in)	—
Front bumper – Front fender	D – D	0.0 – 0.8 mm (0.000 – 0.031 in)	(–0.25) – (+1.75) mm [(–0.010) – (+0.069) in]

- For NISMO



Portion		Clearance	Surface height difference
Front bumper – Hood	A – A	2.9 – 6.9 mm (0.114 – 0.272 in)	(–1.0) – (+3.0) mm [(–0.039) – (+0.118) in]
Front bumper – Front combination lamp	B – B	1.8 – 5.2 mm (0.071 – 0.205 in)	—

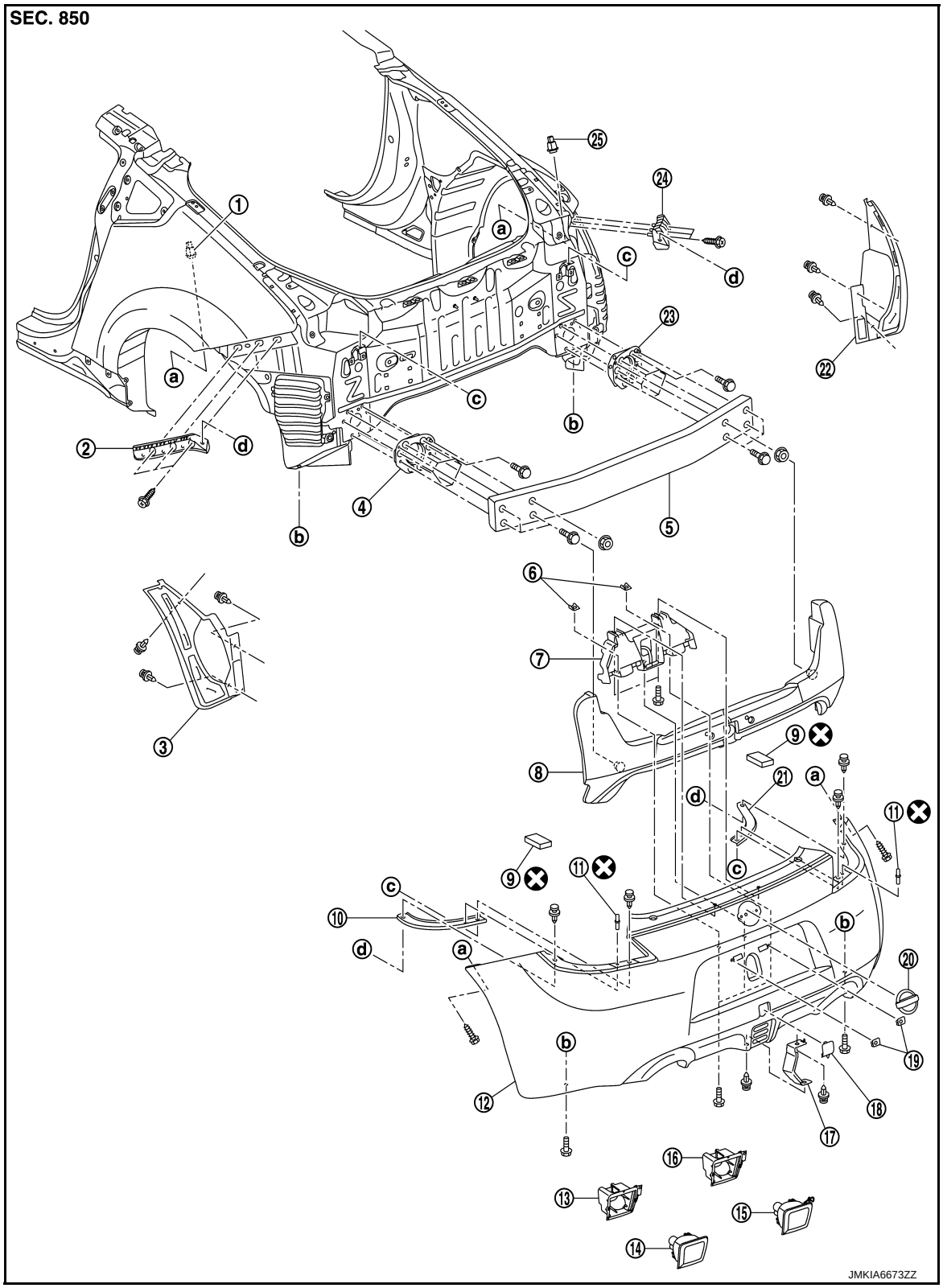
Portion		Clearance	Surface height difference
Front bumper – Front combination lamp	C – C	0.0 – 3.0 mm (0.000 – 0.118 in)	—
Front bumper – Front fender	D – D	0.3 – 1.1 mm (0.012 – 0.043 in)	(–0.25) – (+1.75) mm [(–0.010) – (+0.069) in]

REAR BUMPER

Exploded View

INFOID:0000000011740816

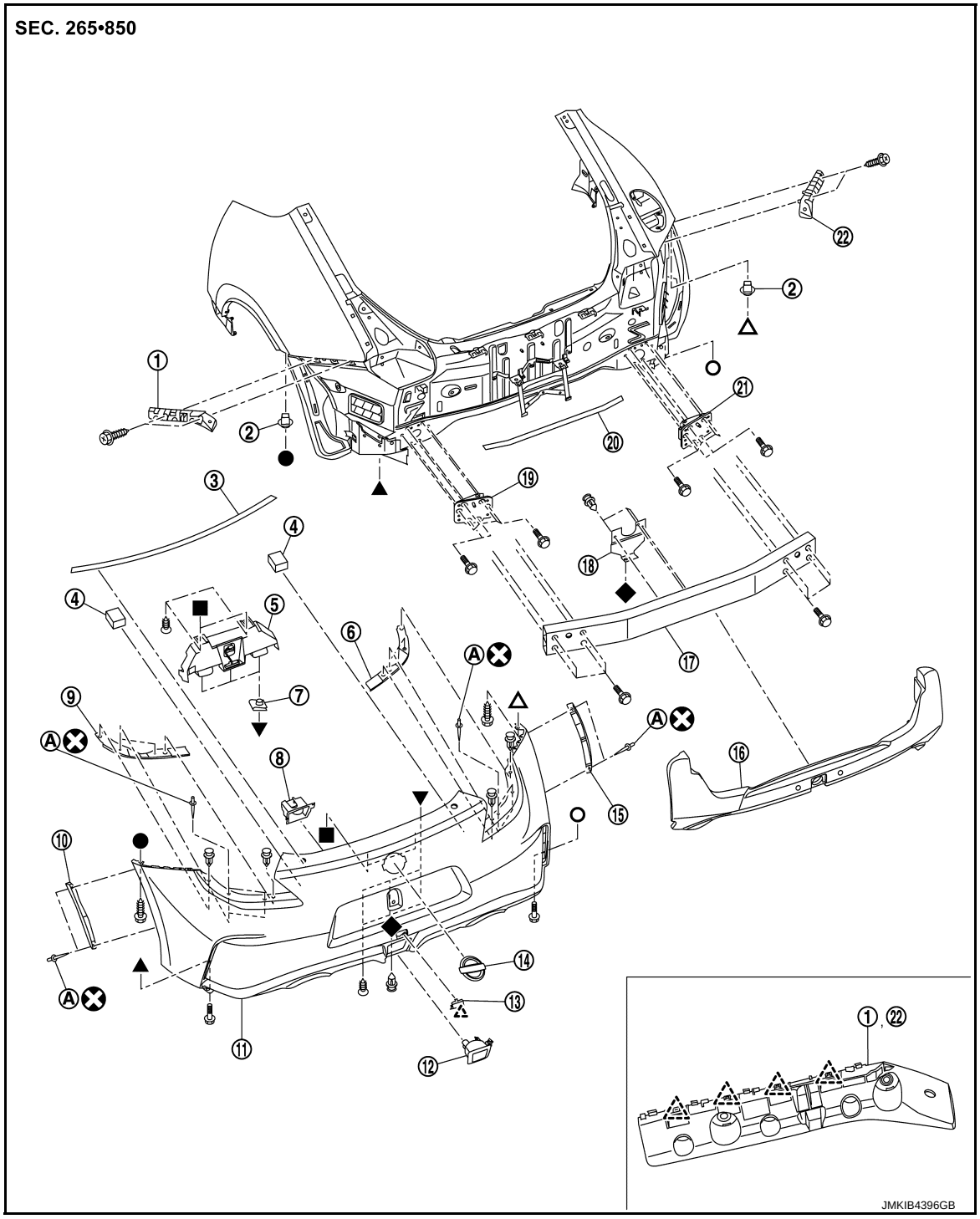
EXCEPT FOR NISMO



1. Bumper side grommet LH
2. Bumper side bracket LH
3. Bumper closing LH
4. Bumper stay LH
5. Bumper reinforcement
6. Spring nut
7. License plate lamp bracket
8. Energy absorber
9. Bumper spacer
10. Bumper brace LH
11. Rivet
12. Bumper fascia assembly
13. Reflex reflector bracket
14. Reflex reflector
15. Rear fog lamp
16. Rear fog lamp bracket
17. Bumper lower retainer
18. Bumper cover
19. U-nut
20. Rear emblem
21. Bumper brace RH
22. Bumper closing RH
23. Bumper stay RH
24. Bumper side bracket RH
25. Bumper side grommet RH

⊗ : Always replace after every disassembly.

FOR NISMO



1. Bumper side bracket LH
2. Grommet
3. Bumper protector
4. Bumper spacer
5. License plate lamp bracket
6. Bumper brace RH
7. Spring nut
8. Rear fog lamp bracket
9. Bumper brace LH
10. Rear fender molding rear LH
11. Bumper fascia
12. Rear fog lamp
13. Bumper cover
14. Rear emblem
15. Rear fender molding rear RH
16. Energy absorber
17. Bumper reinforcement
18. Bumper lower retainer
19. Bumper stay LH
20. Bumper side spacer
21. Bumper stay RH
22. Bumper side bracket RH

A : Rivet

△ : Pawl

: Always replace after every disassembly.

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

Removal and Installation

INFOID:0000000011740817

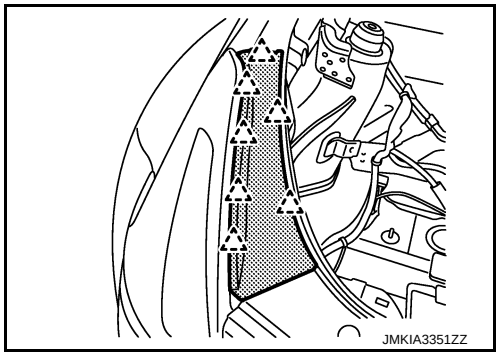
REMOVAL

CAUTION:

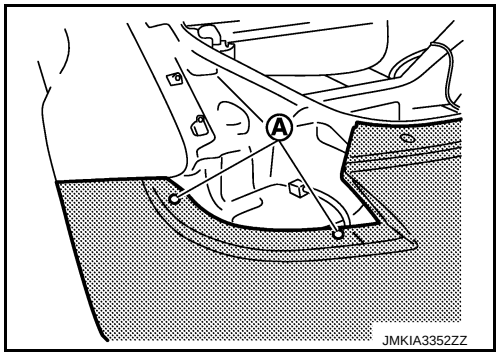
Bumper fascia is made of resin. Never apply strong force to it, and be careful to prevent contact with oil.

1. Fully open back door.
2. Remove rear combination lamp finishers (LH/RH).

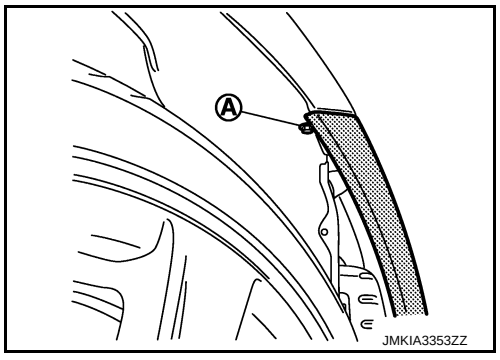
△: Pawl



3. Remove rear combination lamps (LH/RH). Refer to EXL-118, "Removal and Installation".
4. Remove fixing clips (A) (LH/RH) located under rear combination lamps (LH/RH).



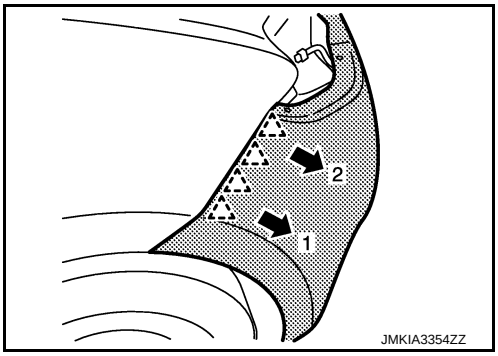
5. Remove bumper closings (LH/RH).
6. Remove bumper fascia assembly fixing screws (A) (LH/RH).



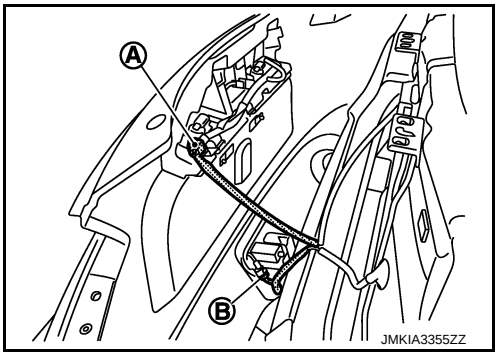
7. Remove bumper fascia assembly fixing clip and screws from bumper fascia assembly lower side.

8. Pull bumper fascia assembly toward the vehicle out side as shown by the arrows in the figure, and then disengage the bumper fascia assembly from bumper side brackets (LH/RH).
CAUTION:
When removing bumper fascia, 2 workers are required so as to prevent it from dropping and severing harness connectors.

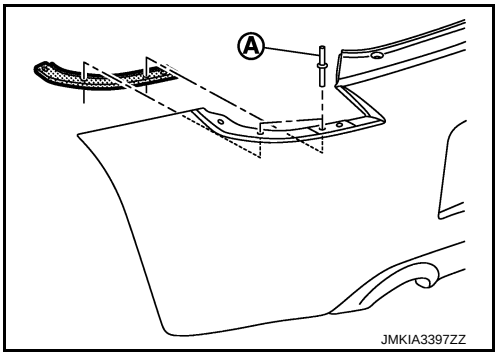
: Pawl



9. Remove bumper fascia assembly, after disconnect license lamp bracket assembly harness connector (A) and rear fog lamp harness connector (B) (If equipped).

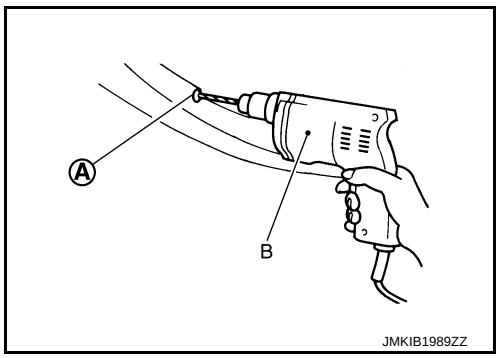


10. Remove the following parts after removing bumper fascia assembly.
- Back view camera (If equipped)
- Rear fog lamp. Refer to EXL-123, "Removal and Installation".
- License lamp bracket
- Reflector (If equipped)
- Bumper cover
- Bumper spacer
- Rear emblem
- Drafter ducts (LH/RH) (except for NISMO)
- Drafter guards (LH/RH) (except for NISMO)
- Bumper side bracket (LH/RH)
- Rear fender molding rear (LH/RH). Refer to EXT-33, "REAR FENDER MOLDING : Removal and Installation". (for NISMO)
- Bumper brace (LH/RH)
  Remove the rivets (A), and then remove the bumper brace from the bumper fascia assembly.



NOTE:
Removal of rivet.

Grind the head of rivet (A) with a drill (B) [bit of ϕ4.0 – 4.5 mm (ϕ0.157 – 0.177 in)] and then remove the bumper brace.



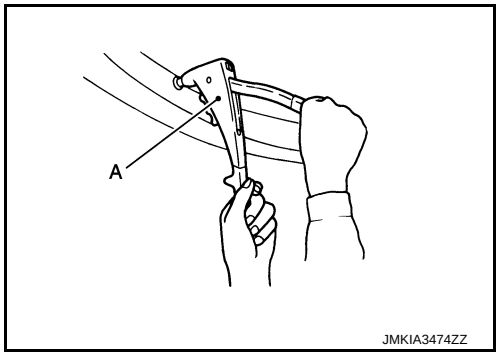
11. Remove bumper energy absorber.
12. Remove bumper lower retainer fixing clips, and then remove bumper lower retainer. (for NISMO)
13. Remove bumper reinforcement mounting nuts and bolts, and then remove bumper reinforcement.
14. Remove bumper stay mounting bolts, and then remove bumper stays (LH/RH).

INSTALLATION

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

NOTE:

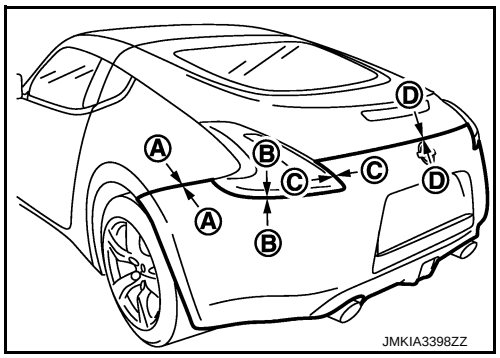
- Securely crimp the bumper brace with the bumper fascia assembly with a hand riveter (A).



Bumper brace	
Crimping thickness	1.2 – 6.4 mm (0.047 – 0.252 in)
Prepared hole diameter	ϕ4.1 – 4.4 mm(ϕ0.161 – 0.173 in)
Used rivet head diameter	ϕ12.0 mm (ϕ0.472 in)

- After installing, perform fitting adjustment.

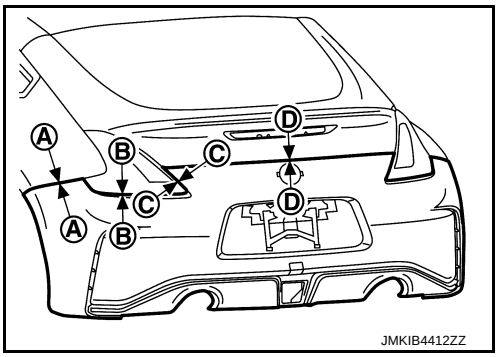
- Except for NISMO



Portion		Clearance	Surface height difference
Rear bumper – Rear fender	A – A	0.0 – 0.8 mm (0.000 – 0.031 in)	(–0.2) – (+1.8) mm [(–0.008) – (+0.071) in]
Rear bumper – Rear combination lamp	B – B	0.0 – 3.0 mm (0.000 – 0.118 in)	—
Rear bumper – Rear combination lamp	C – C	3.5 – 6.5 mm (0.138 – 0.256 in)	—

Portion		Clearance	Surface height difference
Rear bumper – Back door (COUPE models)	D – D	3.0 – 7.0 mm (0.118 – 0.276 in)	(–1.0) – (+3.0) mm [(–0.039) – (+0.118) in]
Rear bumper – Trunk lid (ROADSTER models)	D – D	3.0 – 7.0 mm (0.118 – 0.276 in)	(–1.0) – (+3.0) mm [(–0.039) – (+0.118) in]

- For NISMO

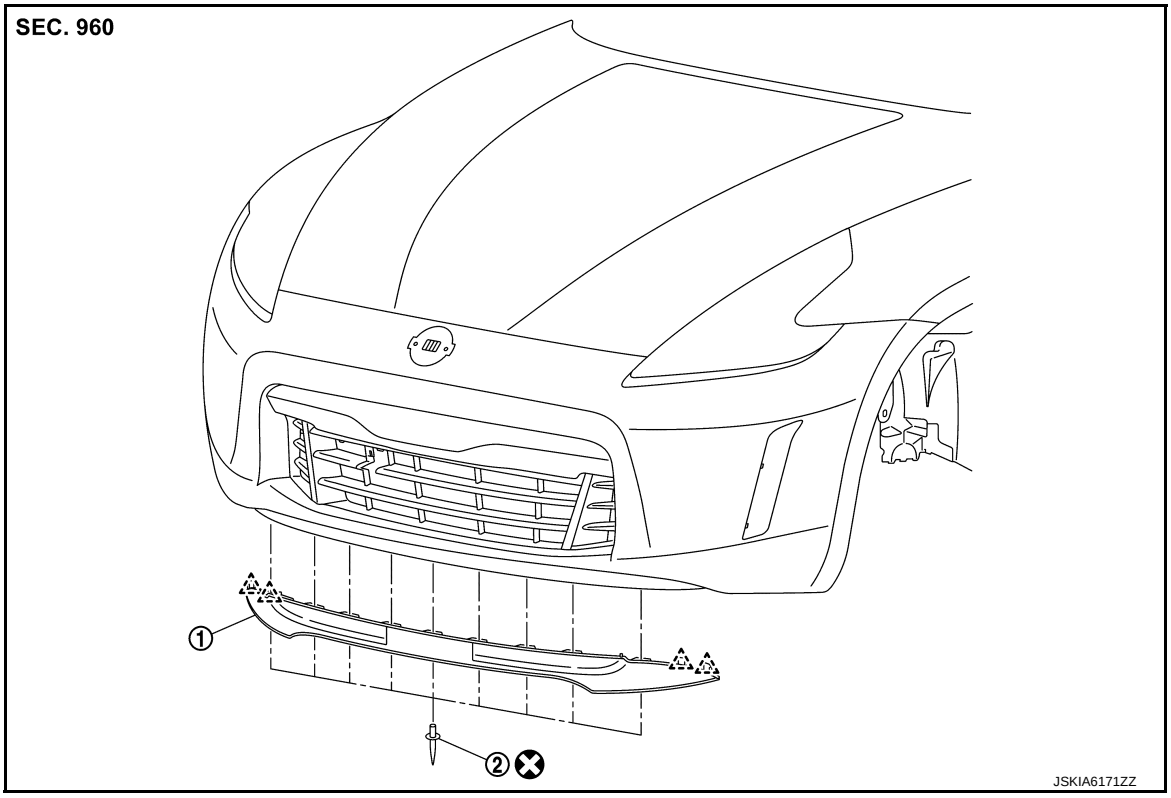


Portion		Clearance	Surface height difference
Rear bumper – Rear fender	A – A	0.3 – 1.1 mm (0.012 – 0.043 in)	(–0.2) – (+1.8) mm [(–0.008) – (+0.071) in]
Rear bumper – Rear combination lamp	B – B	0.0 – 3.0 mm (0.000 – 0.118 in)	—
Rear bumper – Rear combination lamp	C – C	3.5 – 6.5 mm (0.138 – 0.256 in)	—
Rear bumper – Back door	D – D	3.0 – 7.0 mm (0.118 – 0.276 in)	(–1.0) – (+3.0) mm [(–0.039) – (+0.118) in]

FRONT SPOILER

Exploded View

INFOID:0000000011740818



1. Front spoiler assembly
2. Rivet

△△ : Pawl

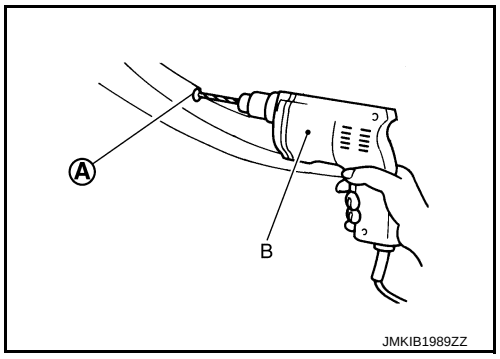
⊗ : Always replace after every disassembly.

Removal and Installation

INFOID:0000000011740819

REMOVAL

1. Lift up the vehicle.
2. Remove the rivets, and then remove front spoiler.
   NOTE:
   Removal of rivet.
   Grind the head of rivet (A) with a drill (B) [bit of ϕ4.0 – 5.0mm (ϕ0.157 – 0.197 in)].

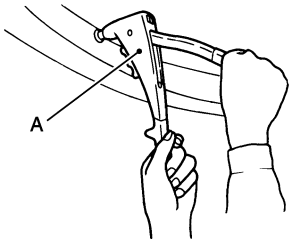


INSTALLATION

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

Securely crimp the front spoiler with the bumper fascia assembly with a hand riveter (A).

Front spoiler	
Crimping thickness	**0.5 – 6.4 mm (0.020 – 0.252 in)**
Prepared hole diameter	**ϕ5.1 – 5.3 mm (ϕ0.201 – 0.209 in)**
Used rivet head diameter	**ϕ15.0 mm (ϕ0.591 in)**

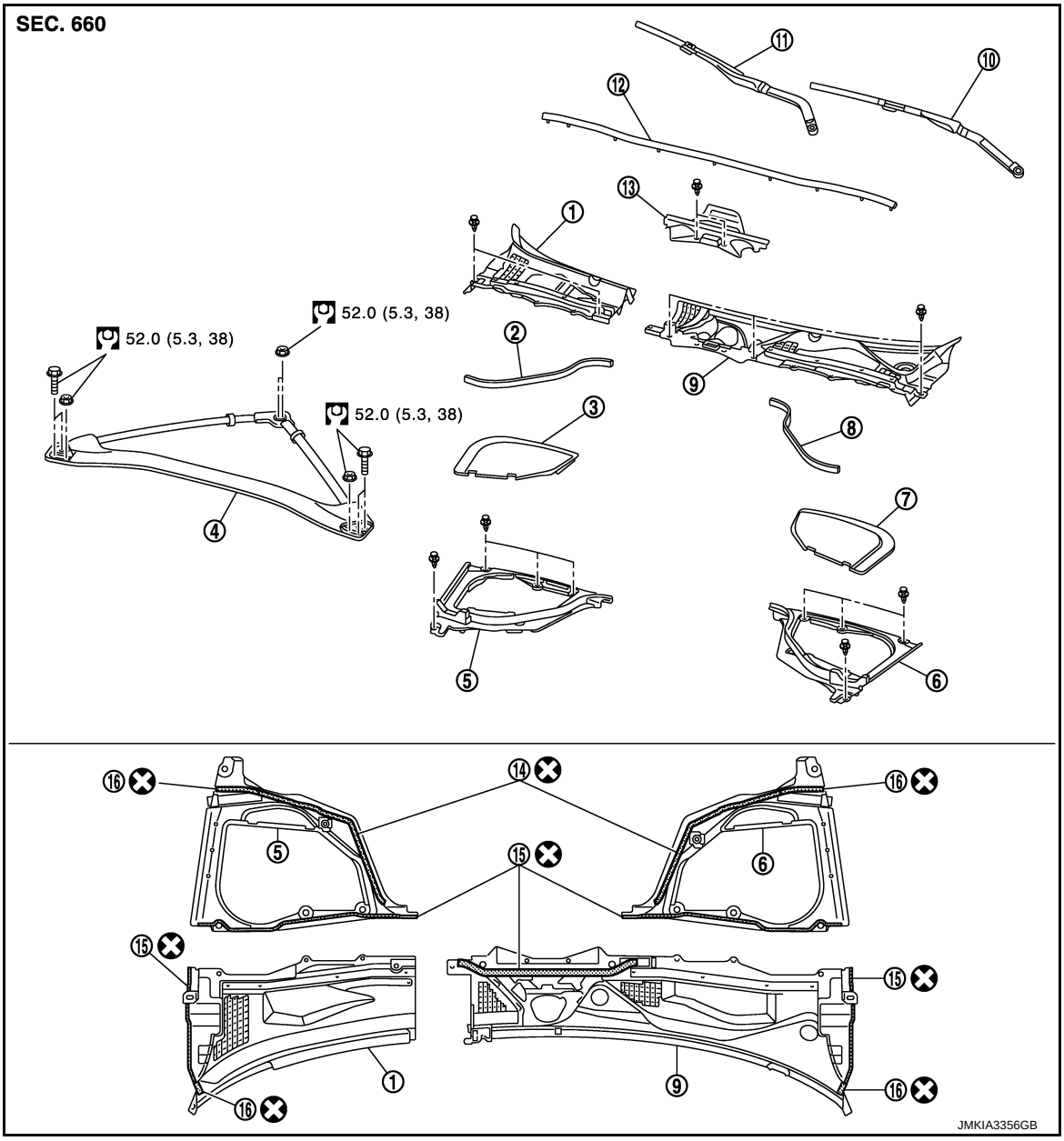


JMKIA3474ZZ

COWL TOP

Exploded View

INFOID:0000000011740820



1. Cowl top cover RH
2. Cowl top cover seal RH
3. Battery cover
4. Front tower bar assembly
5. Hoodledge cover RH
6. Hoodledge cover LH
7. Brake master cylinder cover
8. Cowl top cover seal LH
9. Cowl top cover LH
10. Wiper arm and blade LH
11. Wiper arm and blade RH
12. Cowl top cover seal
13. Cowl top cover center
14. EPT sealer [t: 5.0 mm (0.197 in)]
15. EPT sealer [t:3.0 mm (0.118 in)]
16. EPT sealer [t: 10.0 mm (0.394 in)]

: Always replace after every disassembly.

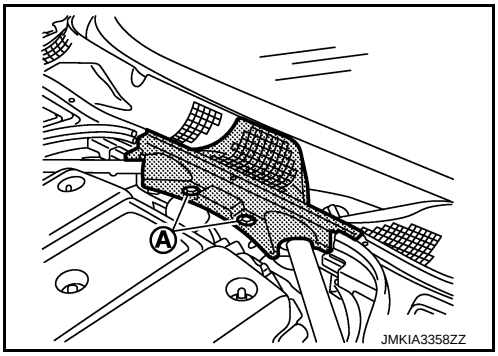
: N·m (kg-m, ft-lb)

Removal and Installation

INFOID:0000000011740821

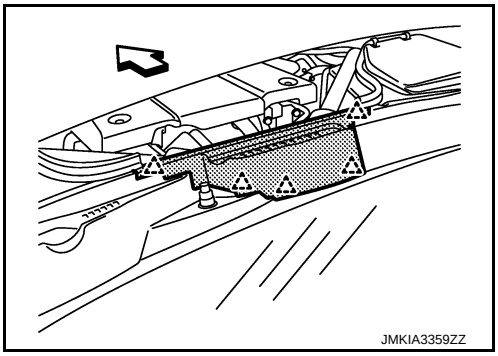
REMOVAL

1. Fully open hood assembly.
2. Remove battery cover and brake master cylinder cover.
3. Remove hoodledge covers (LH/RH) fixing clips, and then remove hoodledge covers.
4. Remove front wiper arms and blades (LH/RH). Refer to WW-49, "Removal and Installation".
5. Remove cowl top cover seal.
6. Remove cowl top cover center.
   1. Remove cowl top cover center fixing clips (A).



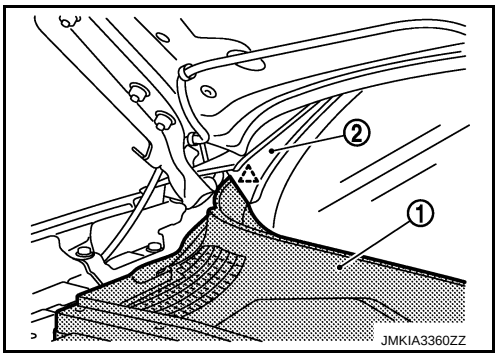
   2. Disengage cowl top cover center fixing pawls, and then remove cowl top cover center.

: Pawl
: Vehicle front

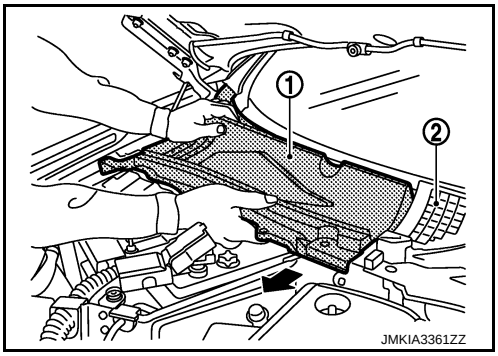


7. Remove front tower bar assembly.
8. Remove cowl top cover RH.
   1. Remove cowl top cover RH fixing clips.
   2. Disengage cowl top cover RH (1) and front pillar finisher (2) fixing pawl.

: Pawl



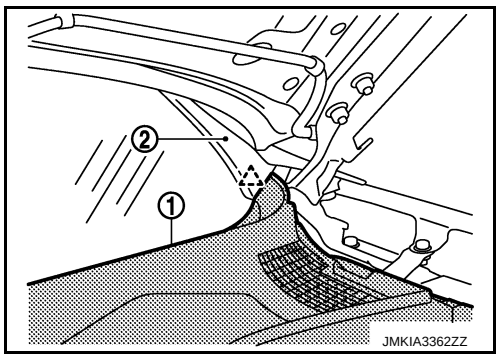
   3. Pull cowl top cover RH toward arrow direction, and then disengage cowl top cover RH (1) and cowl top cover LH (2).



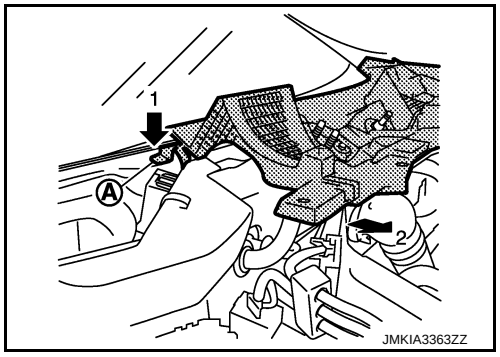
9. Remove cowl top cover LH.

1. Disengage cowl top cover LH (1) and front pillar finisher (2) fixing pawl.

△ : Pawl



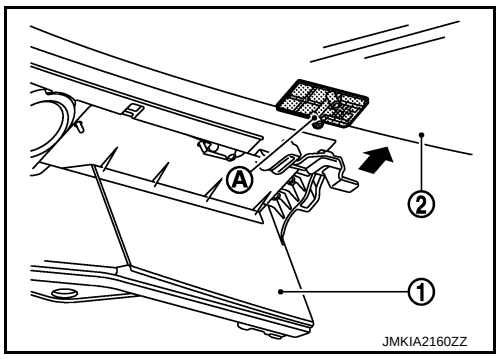
2. Press pawl (A) and pull cowl top cover LH toward vehicle front as shown by the arrow in the figure, and then remove cowl top cover LH.



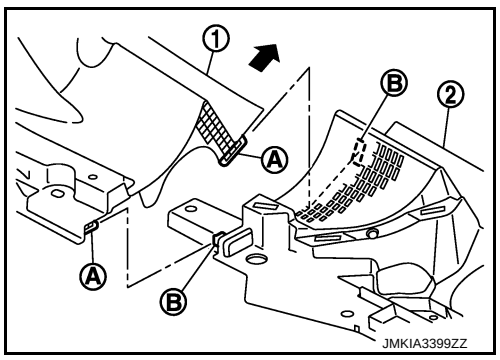
INSTALLATION

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

- Align concave of cowl top cover LH (1) to windshield glass (2) pin (A) as shown in the figure when installing.



- Slide cowl top cover RH (1) toward the arrow direction to engage pawls (A) into concave part (B) of cowl top cover LH (2).



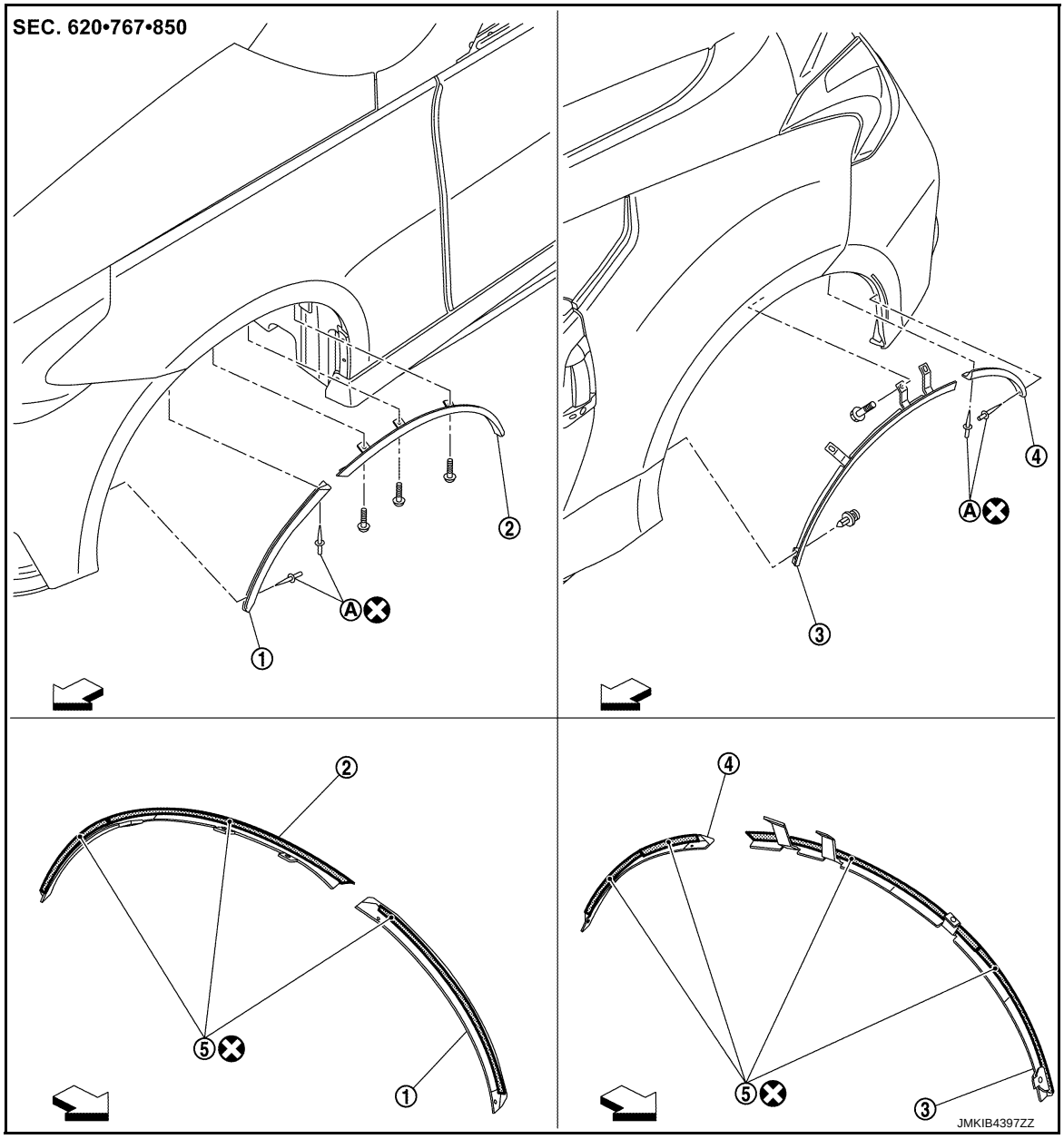
CAUTION:

- **Always replace EPT sealers with a new one, if the cowl top cover is reused.**
- **After installing, perform adjustment of wiper arm. Refer to WW-49, "Adjustment".**

FENDER MOLDING

Exploded View

INFOID:0000000011740822



1. Front fender molding front
2. Front fender molding rear
3. Rear fender molding front
4. Rear fender molding rear
5. Double-sided tape [t: 1.2 mm (0.047 in)]

A : Rivet

⇦ : Vehicle front

⊗ : Always replace after every disassembly.

FRONT FENDER MOLDING

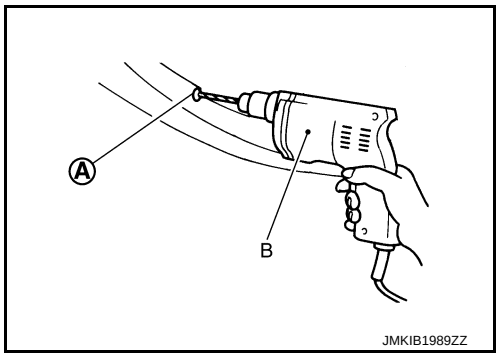
FRONT FENDER MOLDING : Removal and Installation

INFOID:0000000011740823

REMOVAL

Front Fender Molding Front

1. Remove the rivets.
NOTE:
Removal of rivet.
Grind the head of rivet (A) with a drill (B) [bit of ϕ3.1 – 3.3 mm (ϕ0.122 – 0.130 in)].



2. Cut double-sided tape using a cutter, and then remove front fender molding front.
CAUTION:
Never damage the front bumper fascia.

Front Fender Molding Rear

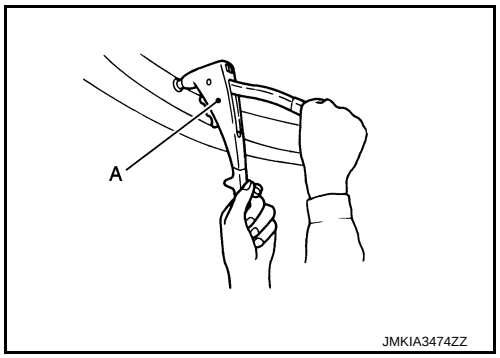
1. Remove fixing screws.
2. Cut double-sided tape using a cutter, and then remove front fender molding rear.
CAUTION:
Never damage the front fender panel.

INSTALLATION

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

CAUTION:
- **Replace the double-sided tape on the back surface with new double-sided tape when reusing the front fender molding.**
- **Never wash the vehicle within 24 hours so as to keep adhesive.**

NOTE:
Securely crimp front fender molding front extension with a hand riveter (A).



Front fender molding front	
Crimping thickness	**4.5 – 6.1 mm (0.177 – 0.240 in)**
Prepared hole diameter	**ϕ3.4 – 3.6 mm (ϕ0.134 – 0.142 in)**
Used rivet head diameter	**ϕ6.1 – 6.7 mm (ϕ0.240 – 0.264 in)**

REAR FENDER MOLDING

REAR FENDER MOLDING : Removal and Installation

INFOID:0000000011740824

REMOVAL

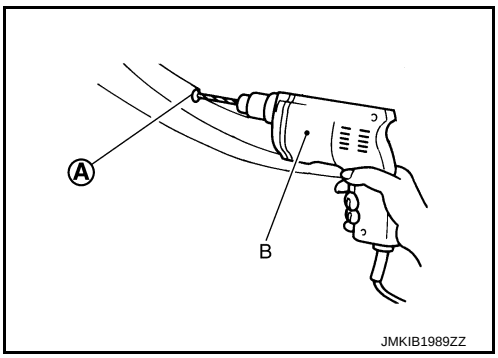
Rear Fender Molding Front

1. Remove fixing screws.
2. Cut double-sided tape using a cutter, and then remove rear fender molding front.
CAUTION:
Never damage the body side panel.

Rear Fender Molding Rear

1. Remove the rivets.
NOTE:
Removal of rivet.

Grind the head of rivet (A) with a drill (B) [bit of ϕ3.1 – 3.3 mm (ϕ0.122 – 0.130 in)].



2. Cut double-sided tape using a cutter, and then remove rear fender molding rear.
   CAUTION:
   Never damage the rear bumper fascia.

INSTALLATION

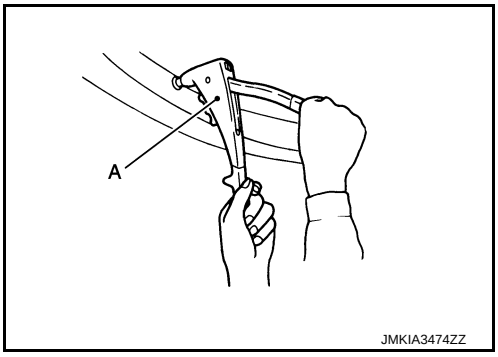
Note the following items, and then install in the reverse order of removal.

CAUTION:

- **Replace the double-sided tape on the back surface with new double-sided tape when reusing the rear fender molding.**
- **Never wash the vehicle within 24 hours so as to keep adhesive.**

NOTE:

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

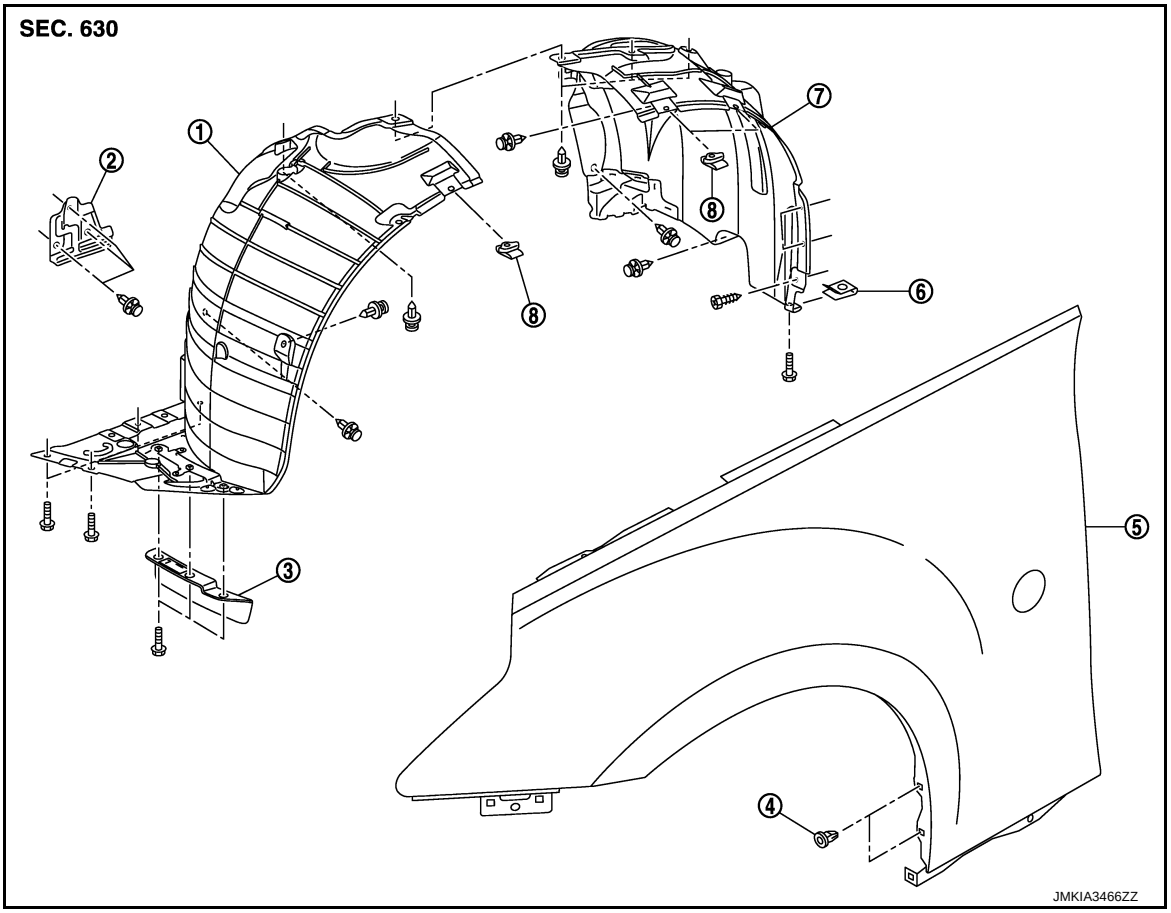


Rear fender molding rear	
Crimping thickness	**4.5 – 6.1 mm (0.177 – 0.240 in)**
Prepared hole diameter	**ϕ3.4 – 3.6 mm (ϕ0.134 – 0.142 in)**
Used rivet head diameter	**ϕ6.1 – 6.7 mm (ϕ0.240 – 0.264 in)**

FENDER PROTECTOR
FENDER PROTECTOR

FENDER PROTECTOR : Exploded View

INFOID:0000000011740825



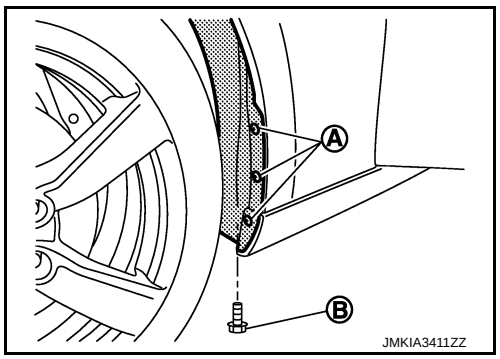
1. Fender protector (front)
2. Splash guard
3. Air guide
4. Grommet
5. Front fender
6. J-nut
7. Fender protector (rear)
8. Fender clip

FENDER PROTECTOR : Removal and Installation

INFOID:0000000011740826

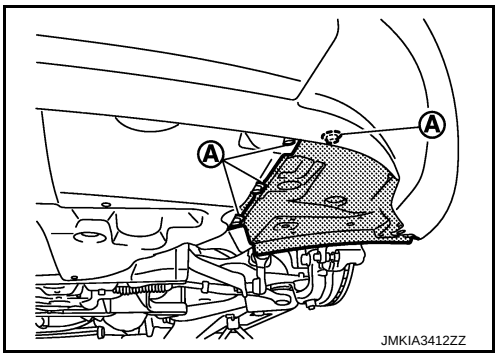
REMOVAL

1. Remove front road wheel.
2. Remove splash guard.
3. Remove fender protectors (rear side) fixing screws (A) and bolt (B).



4. Remove fender protector (rear) fixing clips, and then remove fender protector (rear).

5. Remove air guide.
6. Remove fender protector (front) fixing bolts (A).



7. Remove fender protector (front) fixing clips, and then remove fender protector (front).
8. Remove the following parts after removing fender protector.
   - Fender clips
   - J-nut

INSTALLATION

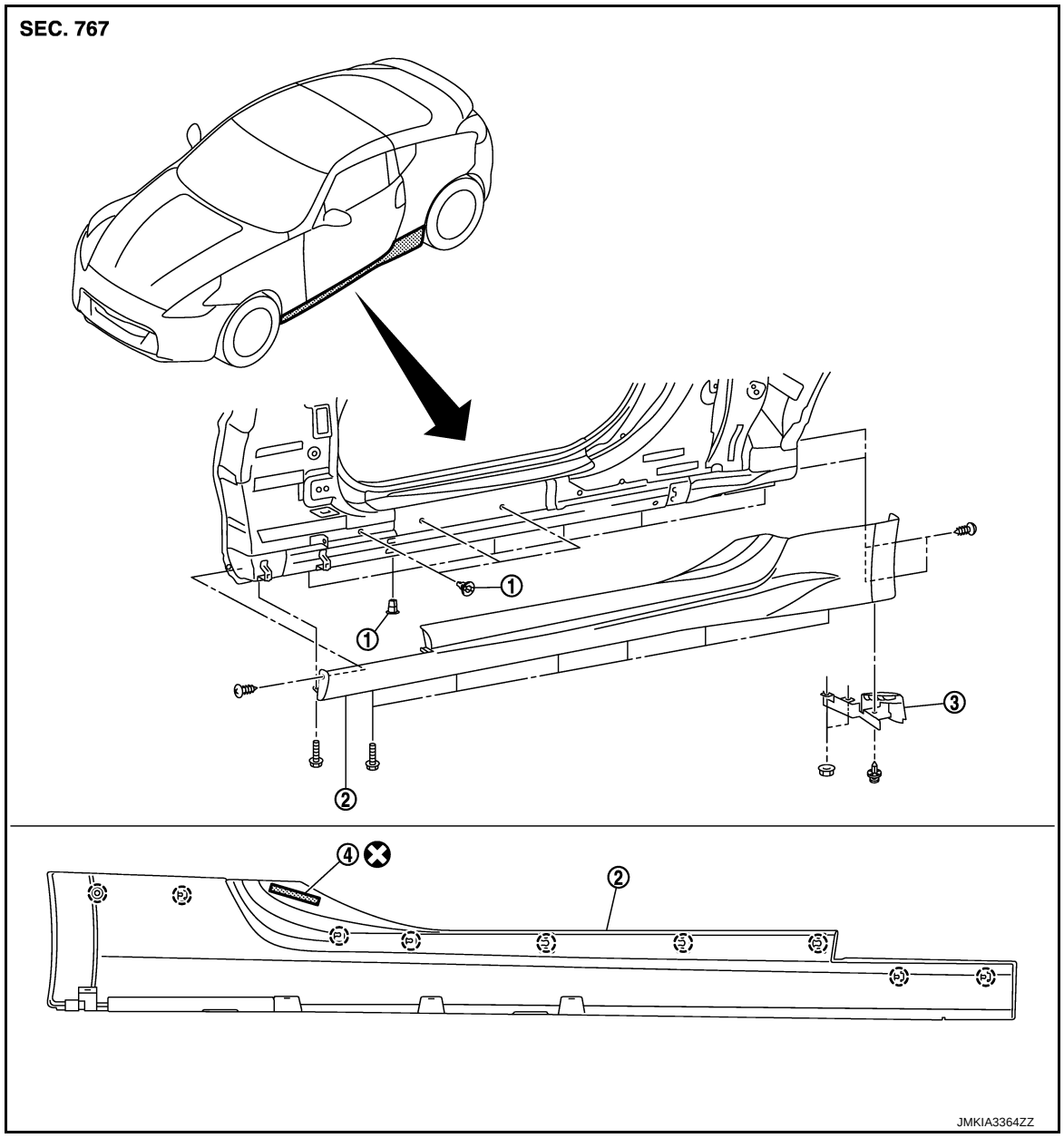
Install in the reverse order of removal.

SILL COVER

Exploded View

INFOID:0000000011740827

EXCEPT FOR NISMO

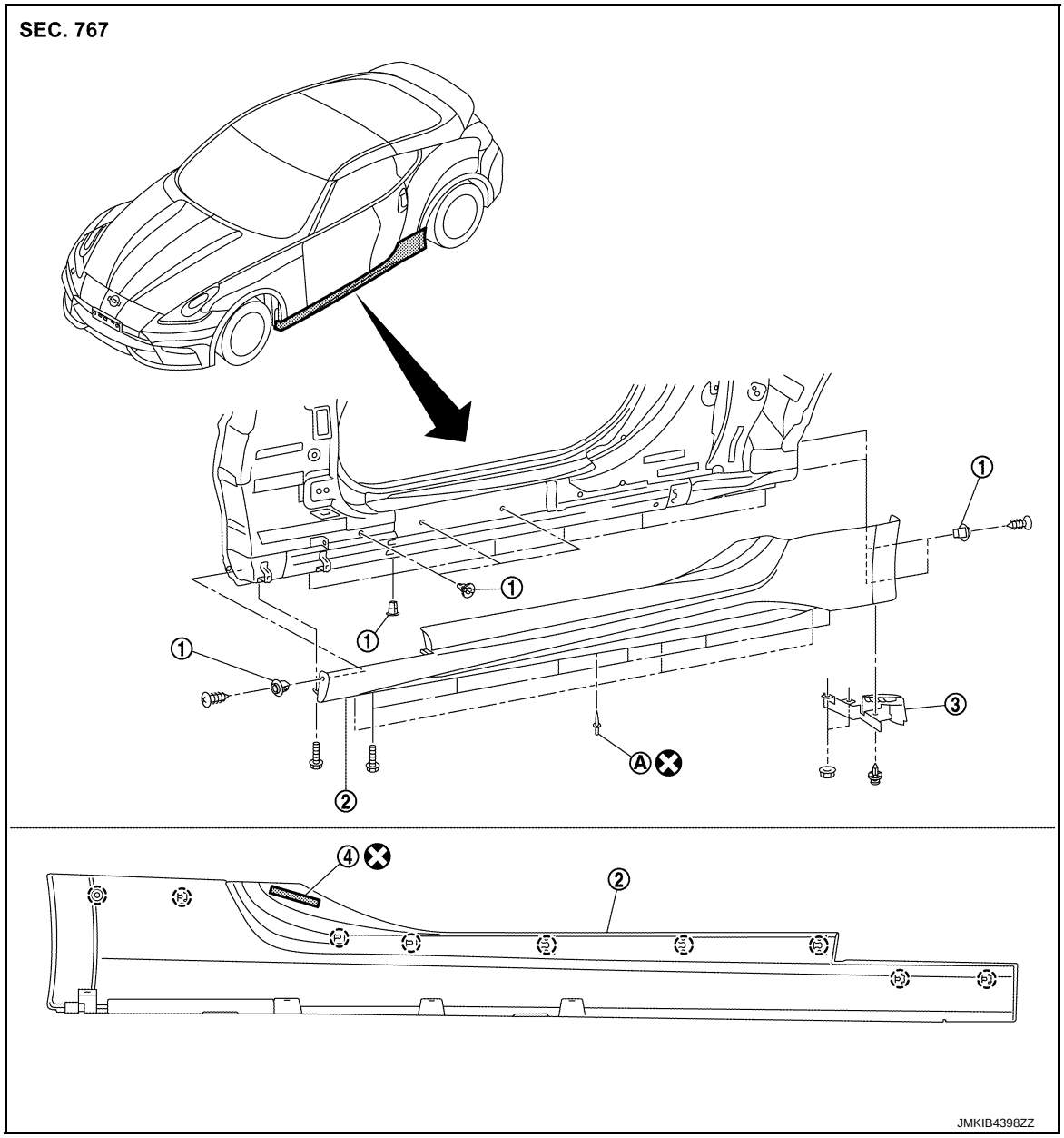


1. Grommet
2. Center mud guard
3. Wind deflector
4. Center mud guard seal

◌ : Clip

⊗ : Always replace after every disassembly.

FOR NISMO



1. Grommet
2. Center mud guard
3. Wind deflector
4. Center mud guard seal

A : Rivet

( ) : Clip

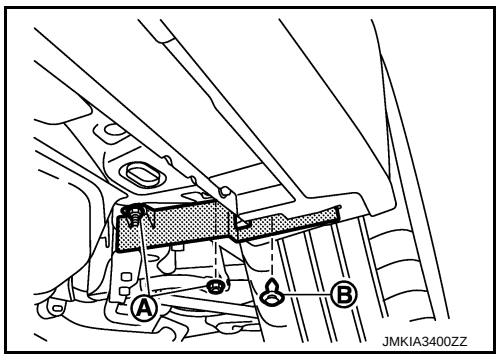
⊗ : Always replace after every disassembly.

Removal and Installation

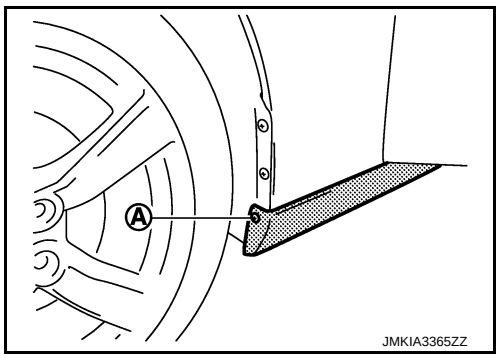
INFOID:0000000011740828

REMOVAL

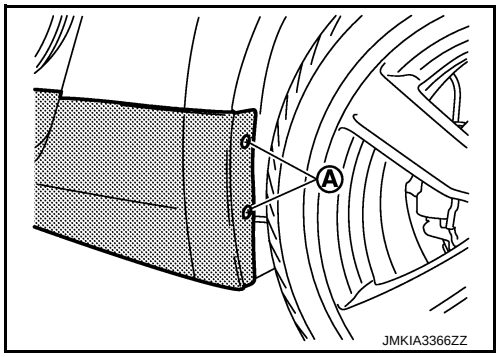
1. Remove mounting nuts (A) and fixing clip (B), and then remove wind deflector.



2. Remove center mud guard front end fixing screw (A).



3. Remove center mud guard rear end fixing screws (A).

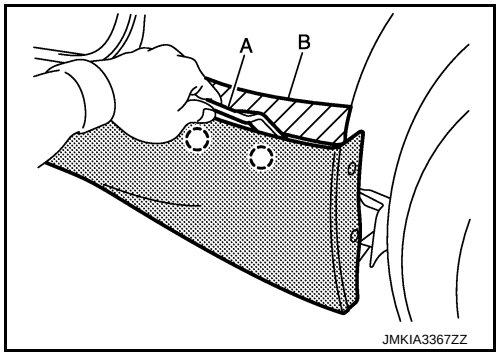


4. Remove center mud guard fixing screws from center mud guard lower side.
5. Fully open front door.
6. Remove clips from center mud guard back side with a remover tool (A).

CAUTION:

- **Apply protective tape (B) on the body to protect the painted surface from damage.**
- **Never use an item as a remover tool that could damage body panel.**
- **Disengage the clips slowly and carefully.**
- **Never pull the center mud guard strongly.**

: Clip

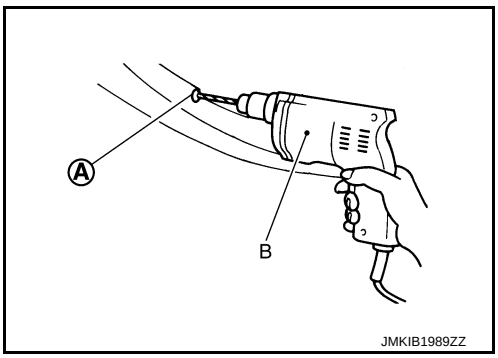


7. Remove center mud guard from body side.
8. Remove the rivets. (for NISMO)

NOTE:

Removal of rivet.

Grind the head of rivet (A) with a drill (B) [bit of ϕ4.7 – 4.9 mm (ϕ0.185 – 0.193 in)].



INSTALLATION

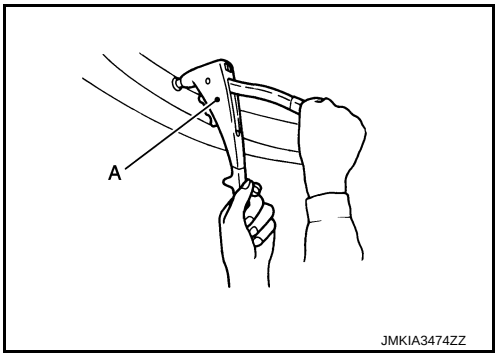
Note the following items, and then install in the reverse order of removal.

CAUTION:

- **Visually check the clips for deformation and damage during installation. Replace with new ones if necessary.**
- **When installing center mud guard, check that clips are securely fitted in body panel holes, and then press them in.**

NOTE:

Securely crimp center mud guard extension with a hand riveter (A). (for NISMO)



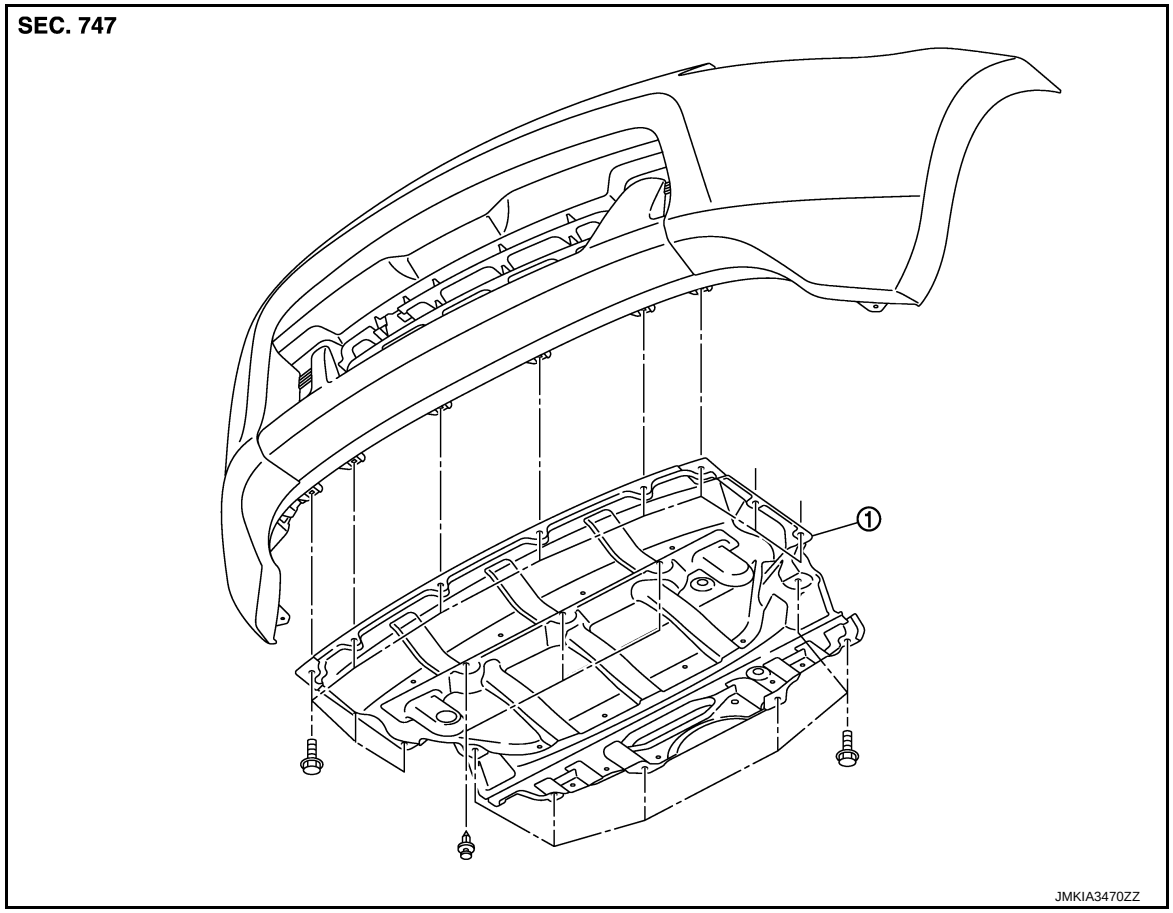
Center mud guard	
Crimping thickness	**0.0 – 6.3 mm (0.000 – 0.248 in)**
Prepared hole diameter	**ϕ5.0 – 5.2 mm (ϕ0.197 – 0.205 in)**
Used rivet head diameter	**ϕ9.6 mm (ϕ0.378 in)**

FLOOR SIDE FAIRING

ENGINE UNDER COVER

ENGINE UNDER COVER : Exploded View

INFOID:0000000011740829



1. Floor under cover

ENGINE UNDER COVER : Removal and Installation

INFOID:0000000011740830

REMOVAL

1. Lift up the vehicle.
2. Remove front under cover fixing clips and bolts.
3. Remove front under cover.

CAUTION:

When removing engine under cover, 2 workers are required so as to prevent it from dropping.

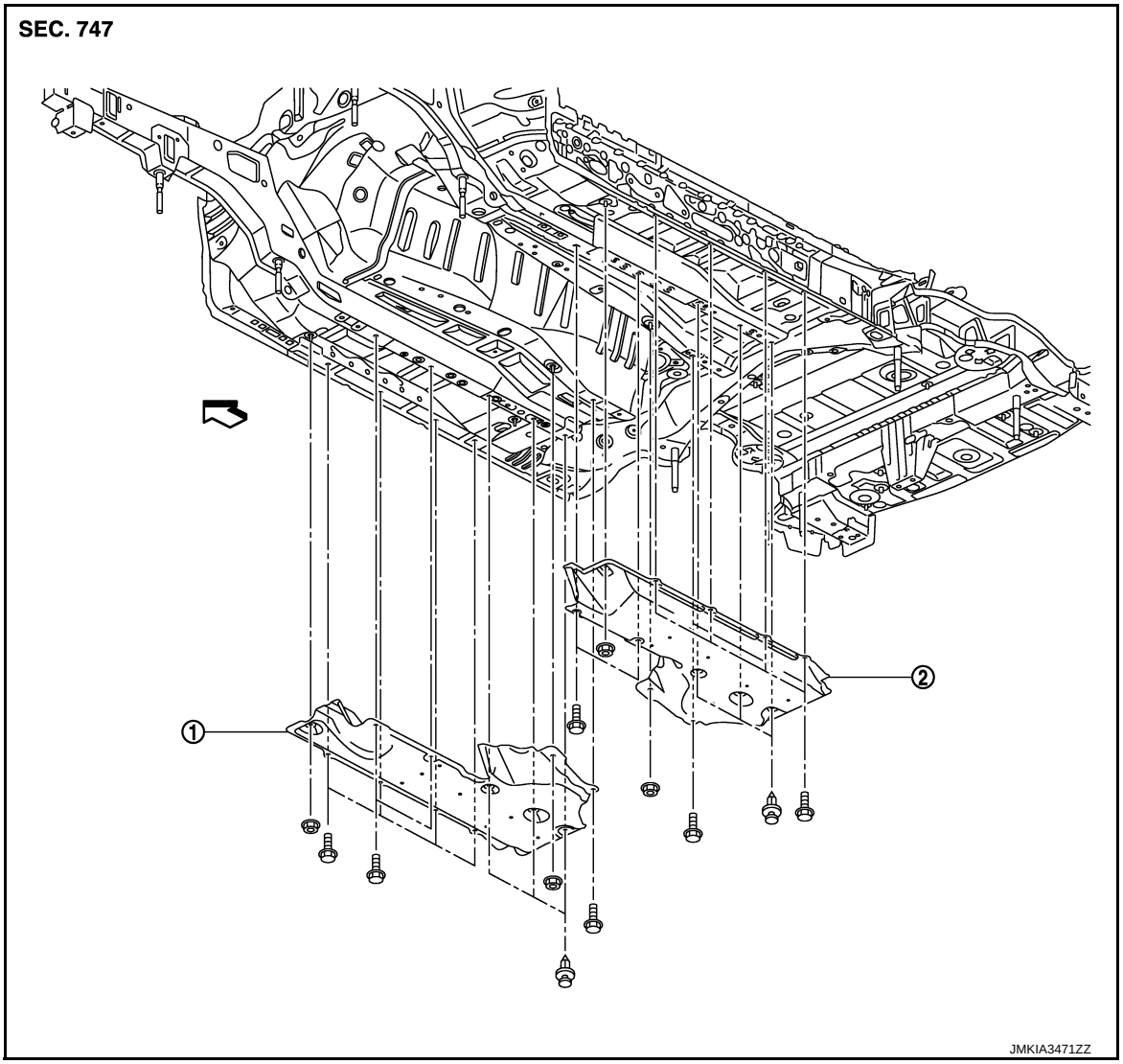
INSTALLATION

Install in the reverse order of removal.

FLOOR UNDER COVER

FLOOR UNDER COVER : Exploded View

INFOID:0000000011740831



1. Floor under cover RH
2. Floor under cover LH

⇦ : Vehicle front

FLOOR UNDER COVER : Removal and Installation

INFOID:0000000011740832

REMOVAL

FLOOR UNDER COVER LH

1. Lift up the vehicle.
2. Remove floor under cover LH mounting bolts, nuts and clips.
3. Remove floor under cover LH.
   CAUTION:
   When removing floor under cover LH, 2 workers are required so as to prevent it from dropping.

FLOOR UNDER COVER RH

1. Lift up the vehicle.
2. Remove floor under cover RH mounting bolts, nuts, and clips.
3. Remove floor under cover RH.
   CAUTION:
   When removing floor under cover RH, 2 workers are required so as to prevent it from dropping.

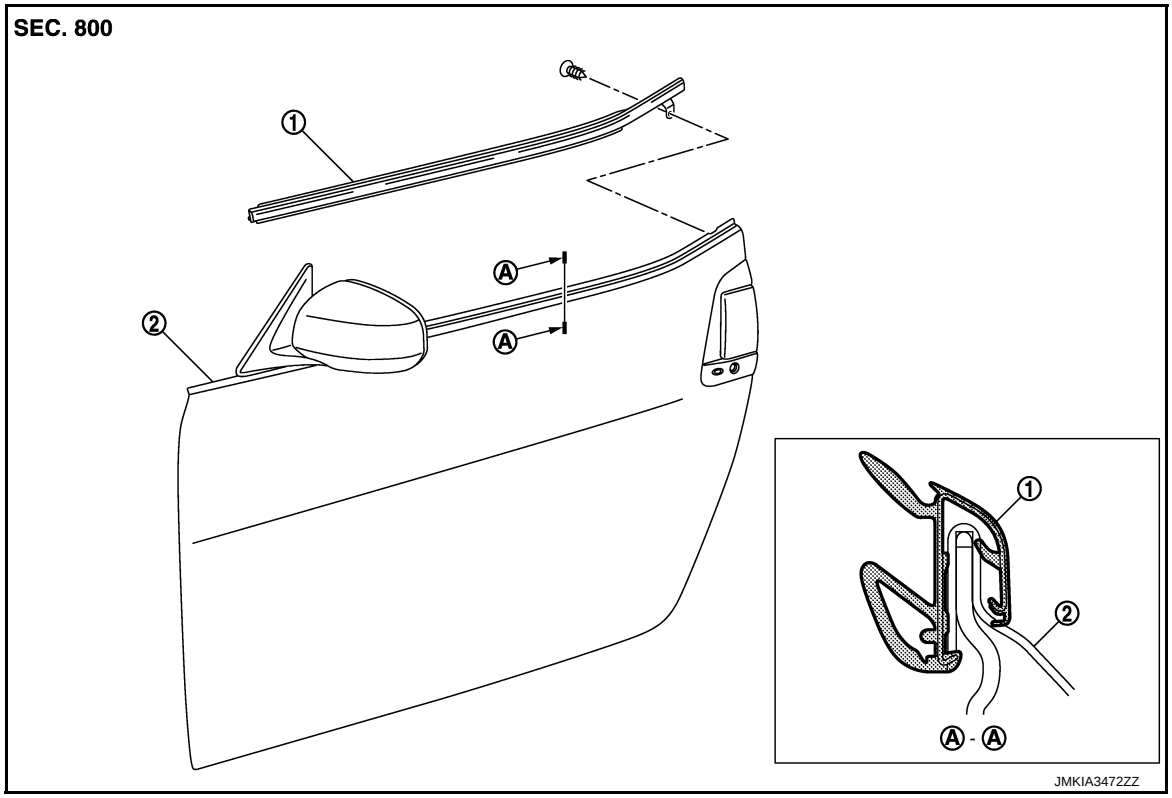
INSTALLATION

Install in the reverse order of removal.

DOOR OUTSIDE MOLDING

Exploded View

INFOID:0000000011740833



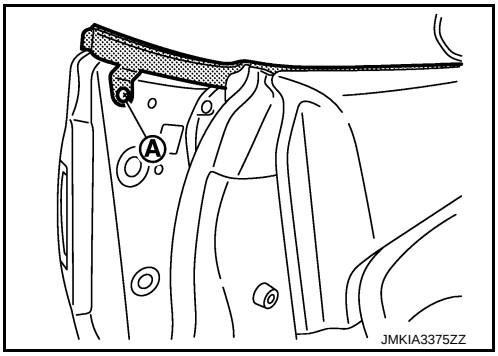
1. Front door outside molding
2. Front door panel

Removal and Installation

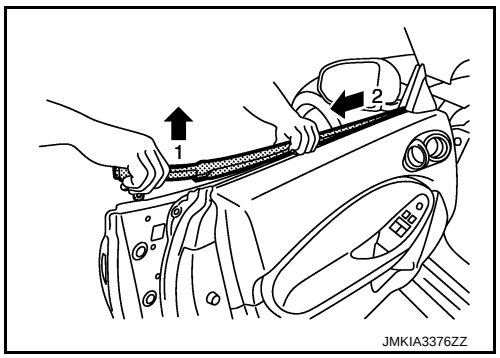
INFOID:0000000011740834

REMOVAL

1. Fully open door window.
2. Remove door outside molding fixing screw (A).



3. Pull up door outside molding, and then slide door outside molding toward door rear side as shown by the arrow in the figure.



INSTALLATION

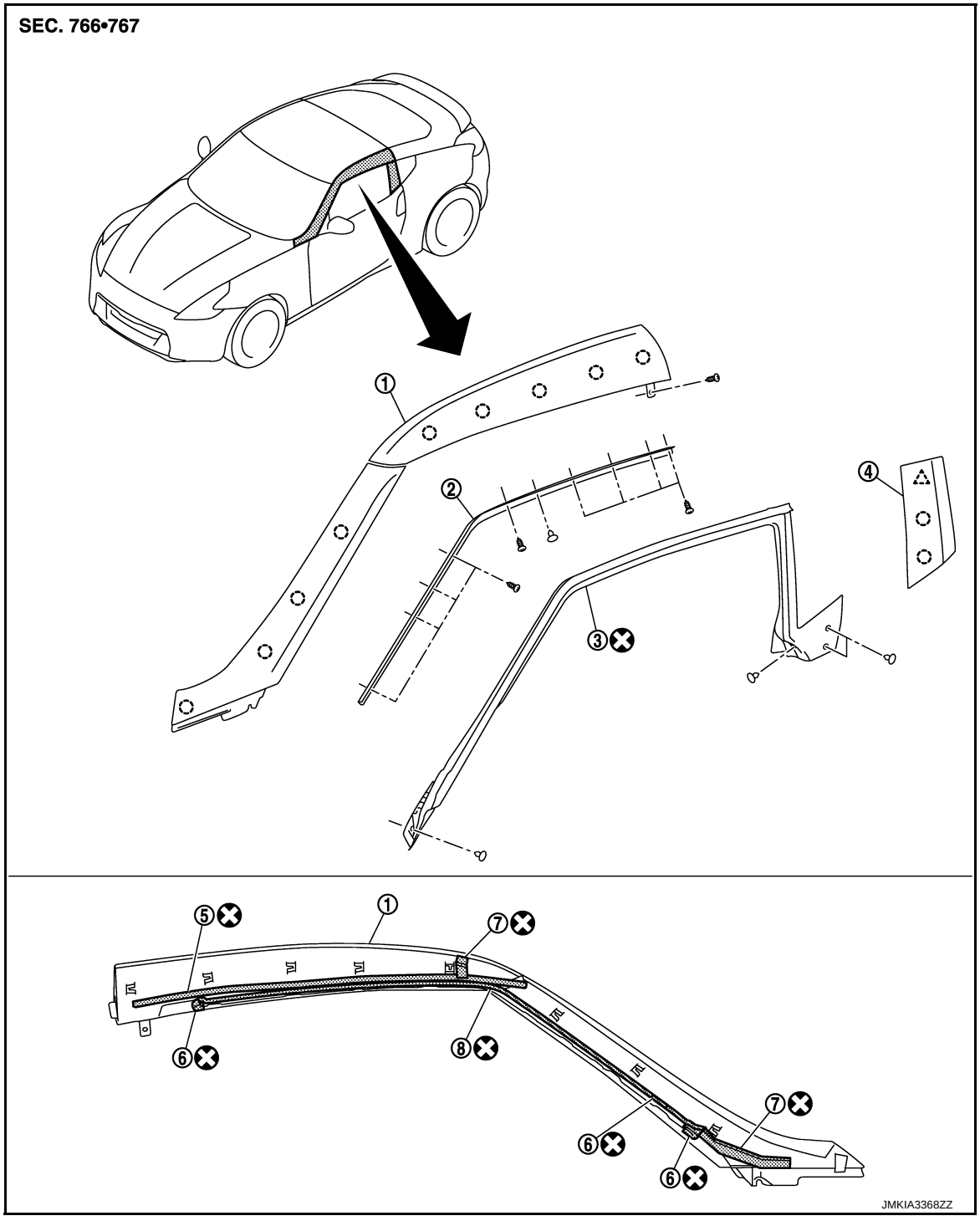
Install in the reverse order of removal.

FRONT PILLAR FINISHER

FRONT PILLAR FINISHER (Coupe)

FRONT PILLAR FINISHER (Coupe) : Exploded View

INFOID:0000000011740835



1. Front pillar finisher
2. Body side weather-strip retainer
3. Body side weather-strip
4. Lock pillar finisher
5. EPT sealer [t:7.0 mm (0.276 in)]
6. EPT sealer [t:3.0 mm (0.118 in)]
7. EPT sealer [t:17.0 mm (0.669 in)]
8. EPT sealer [t:2.0 mm (0.079 in)]

(◌) : Clip

: Pawl

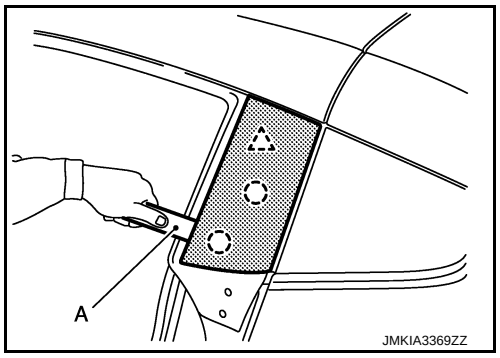
: Always replace after every disassembly.

FRONT PILLAR FINISHER (Coupe) : Removal and Installation

INFOID:0000000011740836

REMOVAL

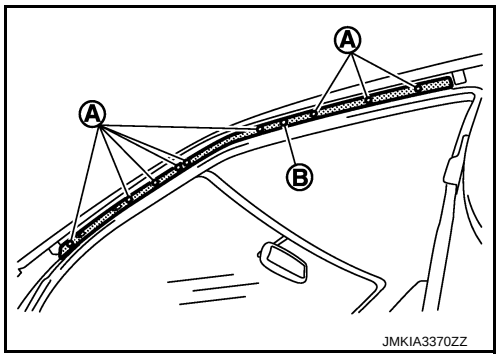
1. Disengage clips and pawl with remover tool (A), and then remove lock pillar finisher.



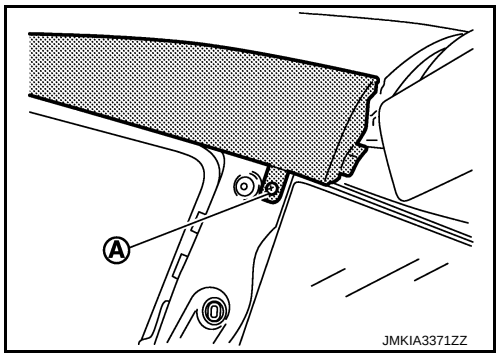
: Clip

: Pawl

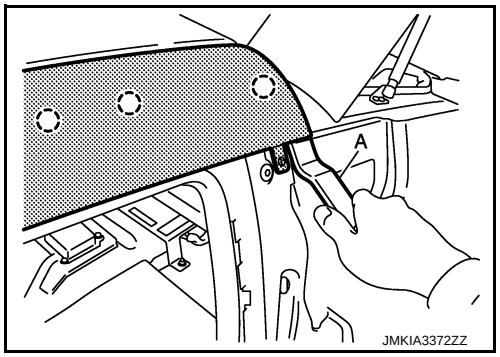
2. Remove body side weather-strip.
3. Remove screws (A) and clip (B), and then remove body side weather-strip retainer.



4. Remove front pillar finisher fixing screw (A).

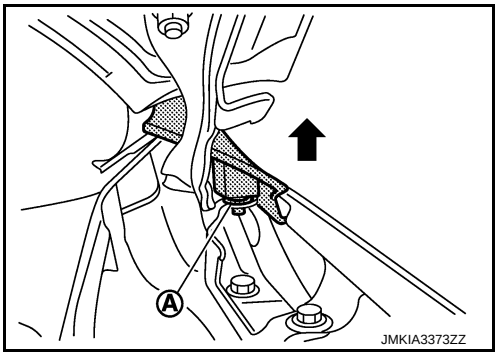


5. Fully open back door.
6. Disengage front pillar finisher fixing clips with remover tool (A).

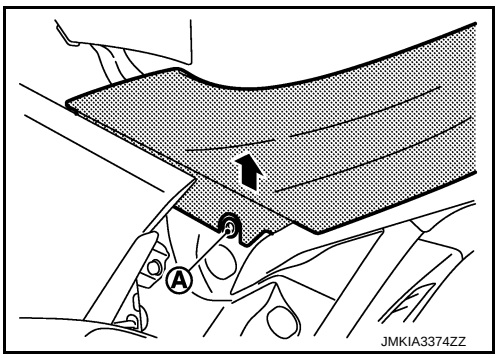


: Clip

7. Disengage front pillar finisher fixing clip (A).



8. Pull up front pillar finisher to release portion (A) as shown by the arrow in the figure, and then remove front pillar finisher.



INSTALLATION

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

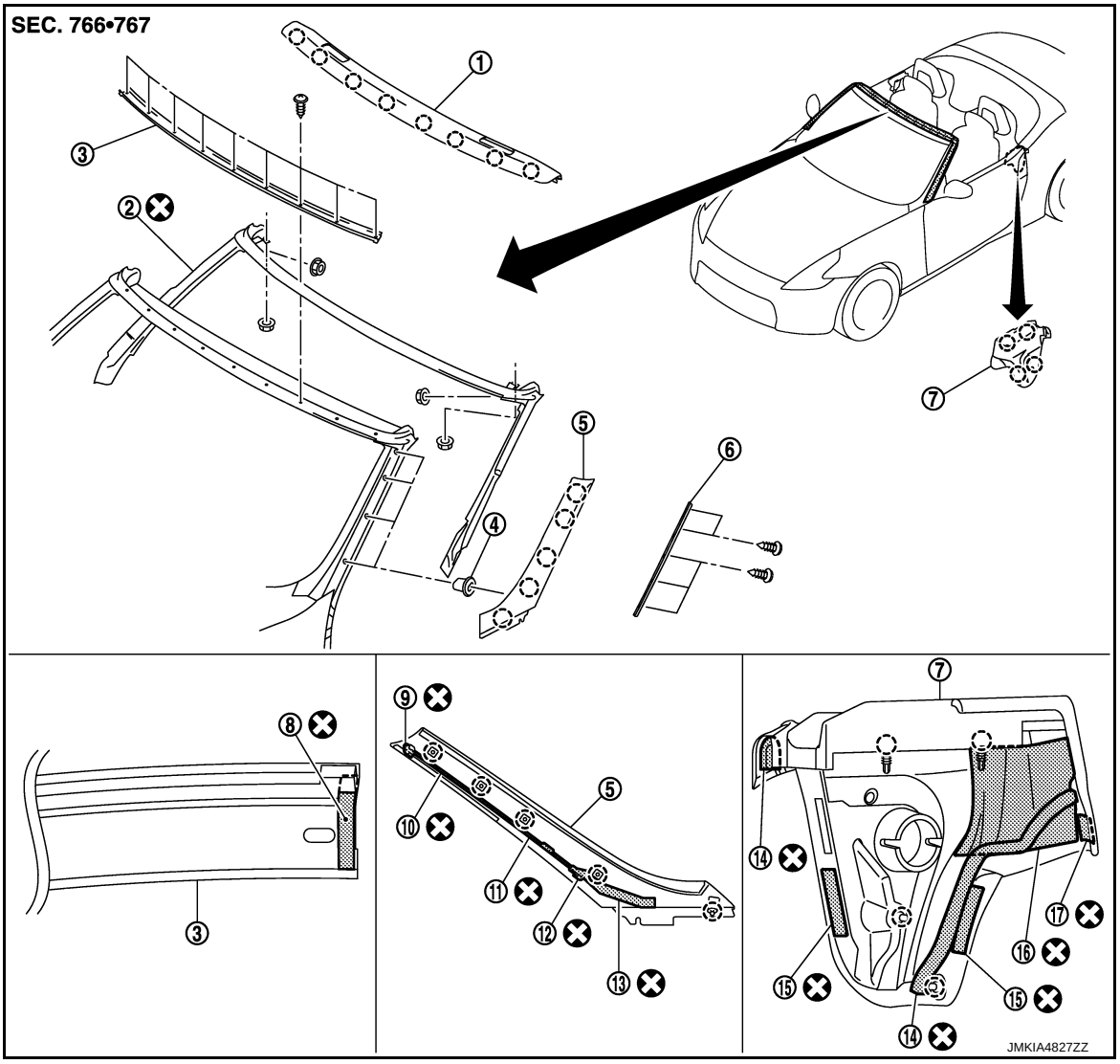
CAUTION:

- **Visually check the clips for deformation and damage during installation. Replace with new ones if necessary.**
- **When installing front pillar finisher, check that clips are securely fitted in body panel holes, and press them it.**

FRONT PILLAR FINISHER (Roadster)

FRONT PILLAR FINISHER (Roadster) : Exploded View

INFOID:0000000011740837



1. Front roof cover
2. Front side glass run assembly
3. Front roof rail retainer
4. Grommet
5. Front pillar finisher
6. Front side glass run assembly retainer
7. Body side weather-strip
8. EPT sealer [t:3.0 mm (0.118 in)]
9. EPT sealer [t:5.0 mm (0.197 in)]
10. EPT sealer [t:2.0 mm (0.079 in)]
11. EPT sealer [t:3.0 mm (0.118 in)]
12. EPT sealer [t:3.0 mm (0.118 in)]
13. EPT sealer [t:17.0 mm (0.669 in)]
14. EPT sealer [t:5.0 mm (0.197 in)]
15. Double-sided tape [t:1.2 mm (0.047 in)]
16. EPT sealer [t:2.0 mm (0.079 in)]
17. Butyl tape [t:1.0 mm (0.039 in)]

: Clip

: Always replace after every disassembly.

FRONT PILLAR FINISHER (Roadster) : Removal and Installation

INFOID:0000000011740838

REMOVAL AND INSTALLATION OF FRONT ROOF COVER

Removal

Insert the remover tool between front roof cover and front roof rail, lift up the front roof cover, and then disengage the clips.

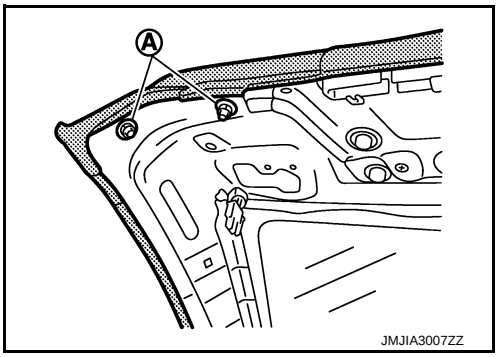
Installation

Install in the reverse order of removal.

REMOVAL AND INSTALLATION OF FRONT PILLAR FINISHER

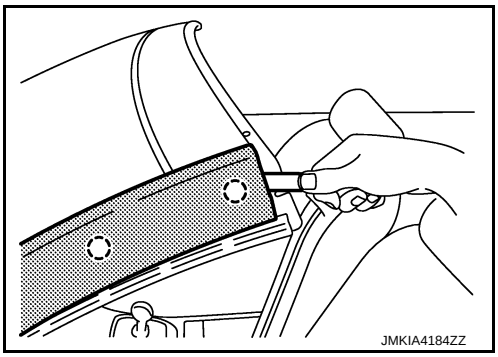
Removal

1. Remove front pillar garnish. Refer to INT-51, "FRONT PILLAR GARNISH : Removal and Installation".
2. Remove fixing clips, and then remove front roof cover.
3. Remove front roof finisher. Refer to INT-71, "Removal and Installation".
4. Remove front side glass run assembly mounting nuts (A), and then remove front side glass run assembly.

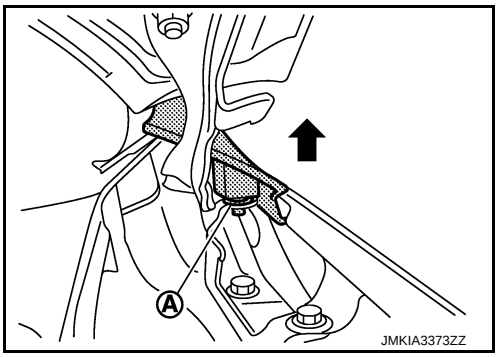


5. Remove front side glass run assembly retainer mounting screws, and then remove body side weather-strip retainer.
6. Remove front pillar finisher fixing clips with remover tool.

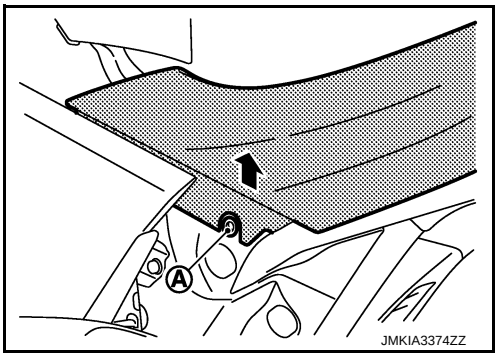
: Clip



7. Disengage front pillar finisher fixing clip (A).



8. Pull up front pillar finisher to release portion (A) as shown by the arrow in the figure, and then remove front pillar finisher.



Installation

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

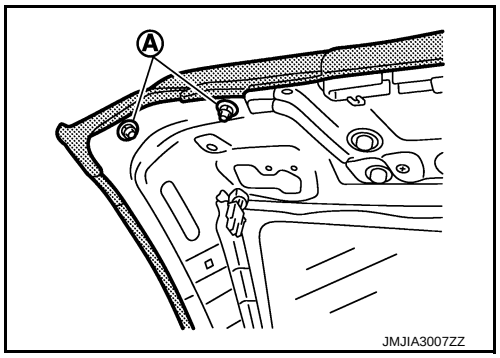
CAUTION:

- **Visually check the clips for deformation and damage during installation. Replace with new ones if necessary.**
- **When installing front pillar finisher, check that clips are securely fitted in body panel holes, and press them it.**

REMOVAL AND INSTALLATION OF FRONT SIDE GLASS RUN ASSEMBLY

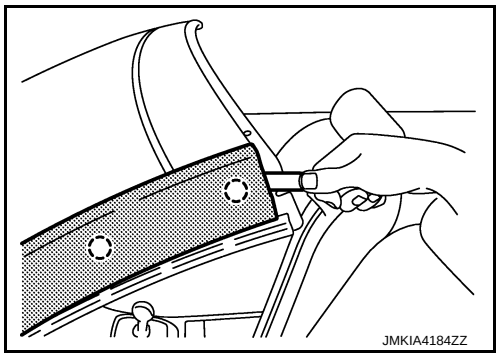
Removal

1. Remove front pillar garnish (LH/RH). Refer to INT-51, "FRONT PILLAR GARNISH : Removal and Installation".
2. Remove fixing clips, and then remove front roof cover.
3. Remove front roof finisher. Refer to INT-71, "Removal and Installation".
4. Remove front side glass run assembly mounting nuts (A) (LH/RH).

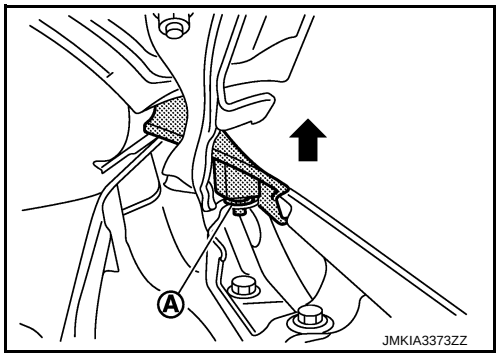


5. Remove front side glass run assembly retainer mounting screws, and then remove body side weatherstrip retainer.
6. Remove front pillar finisher fixing clips with remover tool.

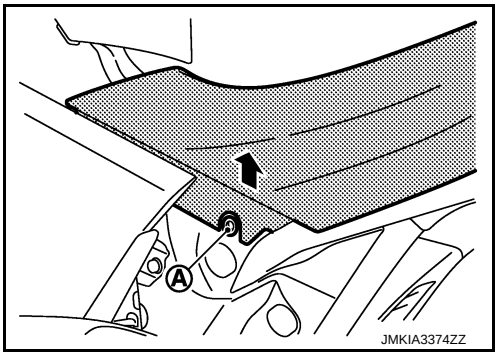
: Clip



7. Disengage front pillar finisher fixing clip (A).



8. Pull up front pillar finisher to release portion (A) as shown by the arrow in the figure, and then remove front pillar finisher.



9. Remove front side glass run assembly from vehicle.

Installation
Install in the reverse order of removal.

REMOVAL AND INSTALLATION OF BODY SIDE WEATHER-STRIP

Removal
Remove body side weather-strip fixing clips, and then remove body side weather-strip.

Installation
Install in the reverse order of removal.

REAR SPOILER

Exploded View

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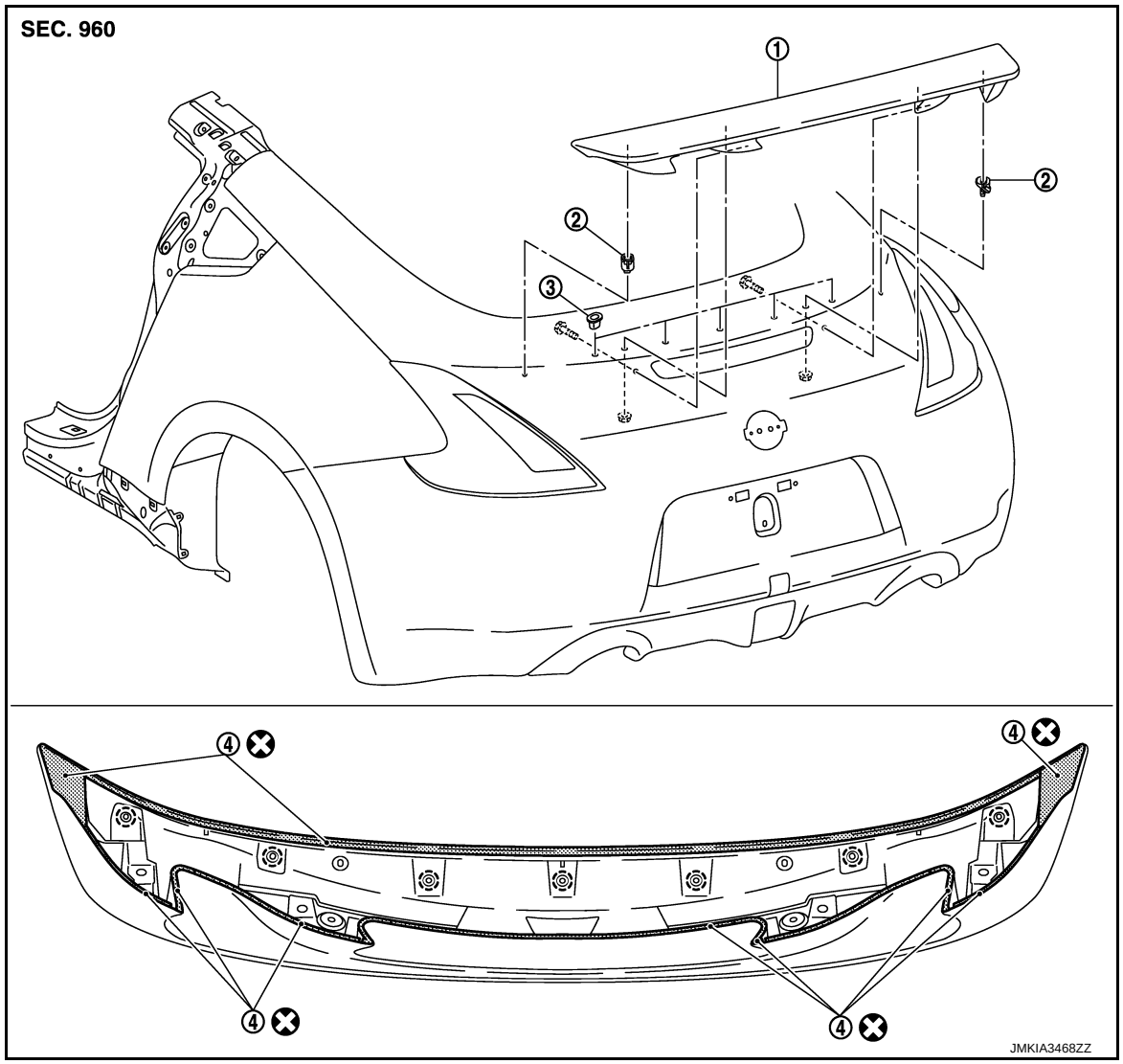
EXCEPT FOR NISMO

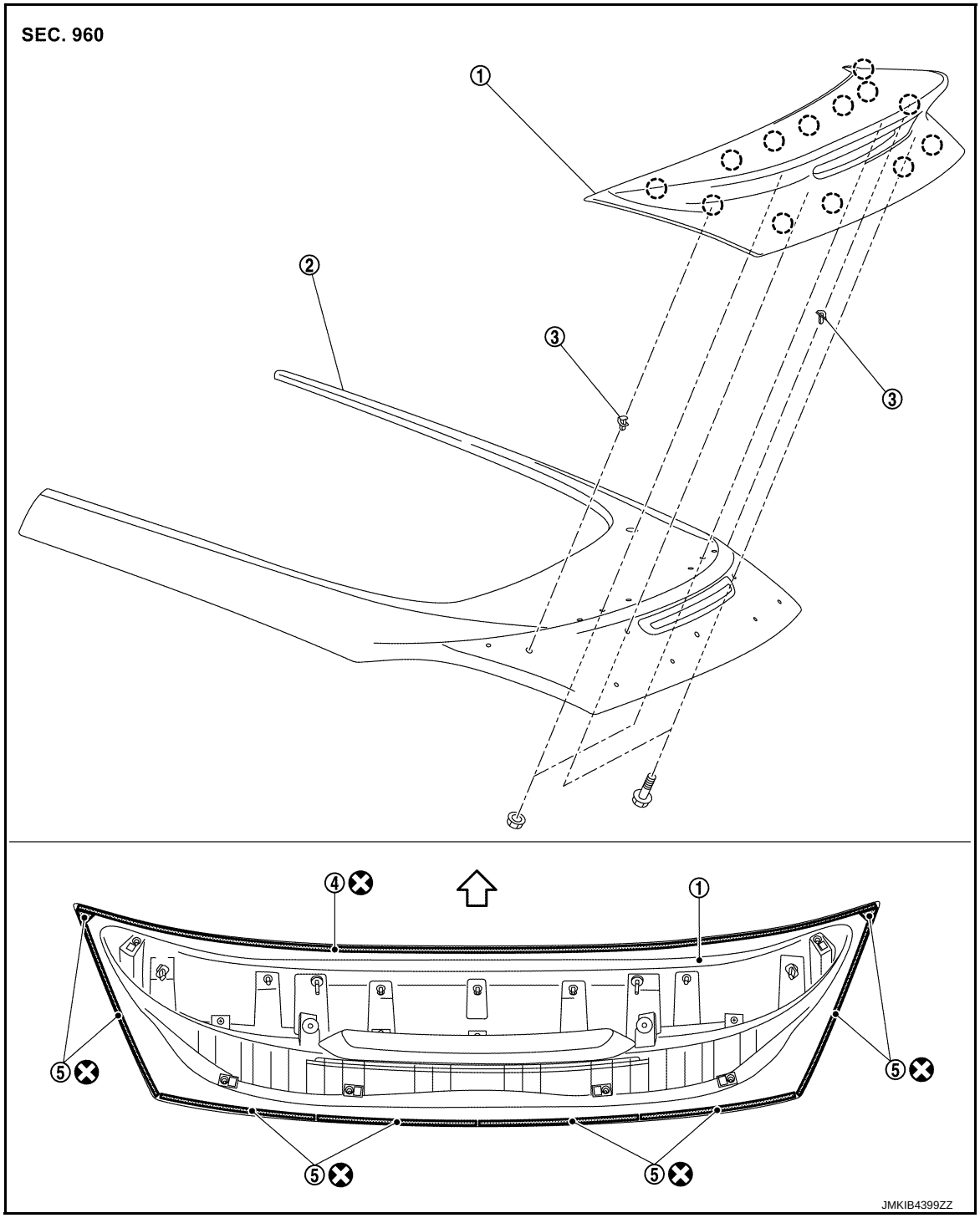


1. Rear spoiler assembly
2. Rear spoiler spacer
3. Grommet
4. Double-sided tape [t: 2.0 mm (0.079 in)]

: Clip

: Always replace after every disassembly.

FOR NISMO



1. Rear spoiler assembly
2. Back door assembly
3. Rear spoiler spacer
4. Double-sided tape [t: 2.5 mm (0.098 in)]
5. Double-sided tape [t: 2.0 mm (0.079 in)]

: Clip

: Vehicle front

: Always replace after every disassembly.

Removal and Installation

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REMOVAL

1. Remove back door trim. Refer to INT-33, "Removal and Installation".
2. Remove rear spoiler mounting nuts and bolts.
3. Disengage fixing clips with remover tool while peeling the double-sided tape with threads, and then remove rear spoiler.
   CAUTION:
   Apply protective tape around the outer edge of mating surface between rear spoiler and back door to prevent damage.
4. Remove the following parts after removing rear spoiler.
   - Rear spoiler spacers
   - Grommet

INSTALLATION

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

CAUTION:

- **Never damage the back door.**
- **Remove double-sided tape remaining on back door panel and back of rear spoiler with a double-sided tape remover, after removing rear spoiler.**
- **Always replace double-sided tape with a new one, if rear spoiler is reused.**
- **When installing, 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 and bolts are securely fitted in back door panel holes, and then press them in.**
- **Never wash the vehicle within 24 hours after installing so as to keep adhesive.**