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## **PRECAUTION**

## **PRECAUTIONS**

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

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.

The vehicle may be equipped with a passenger air bag deactivation switch. Because no rear seat exists where a rear-facing child restraint can be placed, the switch is designed to turn off the passenger air bag so that a rear-facing child restraint can be used in the front passenger seat. The switch is located in the center of the instrument panel, near the ashtray. When the switch is turned to the ON position, the passenger air bag is enabled and could inflate for certain types of collision. When the switch is turned to the OFF position, the passenger air bag is disabled and will not inflate. A passenger air bag OFF indicator on the instrument panel lights up when the passenger air bag is switched OFF. The driver air bag always remains enabled and is not affected by the passenger air bag deactivation switch.

#### WARNING:

- To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision which would result in air bag inflation, all maintenance must be performed by an authorized NISSAN/INFINITI dealer.
- Improper maintenance, including incorrect removal and installation of the SRS, can lead to personal injury caused by unintentional activation of the system. For removal of Spiral Cable and Air Bag Module, see the "SRS AIR BAG".
- 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 vellow and/or orange harnesses or har-
- The vehicle may be equipped with a passenger air bag deactivation switch which can be operated by the customer. When the passenger air bag is switched OFF, the passenger air bag is disabled and will not inflate. When the passenger air bag is switched ON, the passenger air bag is enabled and could inflate for certain types of collision. After SRS maintenance or repair, make sure the passenger air bag deactivation switch is in the same position (ON or OFF) as when the vehicle arrived for service.

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

- 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, and wait at least 3 minutes before performing any service.

Precaution Necessary for Steering Wheel Rotation after Battery Disconnect

#### NOTE:

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

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

If turning the steering wheel is required with the battery disconnected or discharged, follow the operation procedure below before starting the repair operation.

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## **PRECAUTIONS**

### < PRECAUTION >

### **OPERATION PROCEDURE**

1. Connect both battery cables.

#### NOTE:

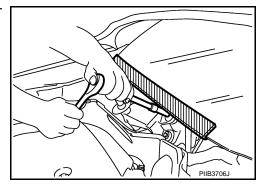
Supply power using jumper cables if battery is discharged.

- Turn the ignition switch to ACC position. (At this time, the steering lock will be released.)
- 3. Disconnect both battery cables. The steering lock will remain released with both battery cables disconnected and the steering wheel can be turned.
- 4. Perform the necessary repair operation.
- 5. When the repair work is completed, re-connect both battery cables. With the brake pedal released, turn the ignition switch from ACC position to ON position, then to LOCK position. (The steering wheel will lock when the ignition switch is turned to LOCK position.)
- 6. Perform self-diagnosis check of all control units using CONSULT-III.

## Precaution for Procedure without Cowl Top Cover

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



## Precaution for Work

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- 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 >

# **PREPARATION**

## **PREPARATION**

## **Commercial Service Tools**

| Engine ear   | Locates the noise                    |  |
|--------------|--------------------------------------|--|
| SIIA0995E    |                                      |  |
| Remover tool | Removes clips, pawls and metal clips |  |

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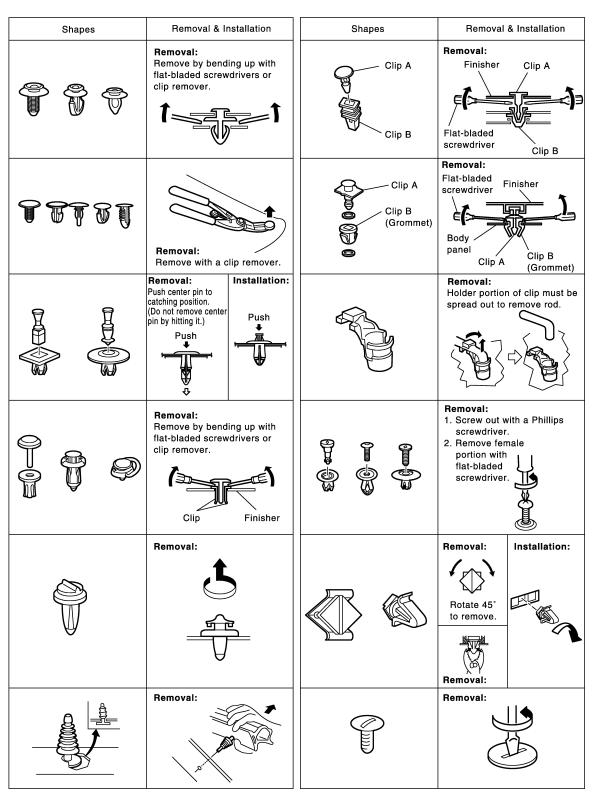
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## **CLIP LIST**

Clip List

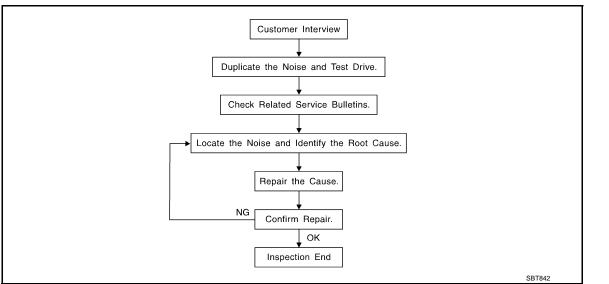


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## SYMPTOM DIAGNOSIS

## SQUEAK AND RATTLE TROUBLE DIAGNOSES

Work Flow



## **CUSTOMER INTERVIEW**

Interview the customer if possible, to determine the conditions that exist when the noise occurs. Use the Diagnostic Worksheet during the interview to document the facts and conditions when the noise occurs and any of the customer's comments; refer to <a href="INT-11">INT-11</a>, "Diagnostic Worksheet"</a>. This information is necessary to duplicate the conditions that exist when the noise occurs.

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

#### DUPLICATE THE NOISE AND TEST DRIVE

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## < SYMPTOM DIAGNOSIS >

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

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

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

#### LOCATE THE NOISE AND IDENTIFY THE ROOT CAUSE

- 1. Narrow down the noise to a general area. To help pinpoint the source of the noise, use a listening tool (Engine Ear or mechanics stethoscope).
- 2. Narrow down the noise to a more specific area and identify the cause of the noise by:
- Removing the components in the area that is are suspected to be the cause of the noise.
  - Do not use too much force when removing clips and fasteners, otherwise clips and fastener can be broken or lost during the repair, resulting in the creation of new noise.
- Tapping or pushing/pulling the component that is are suspected to be the cause of the noise.
  - Do not tap or push/pull the component with excessive force, otherwise the noise will be eliminated only temporarily.
- Feeling for a vibration by hand by touching the component(s) that is are suspected to be the cause of the noise.
- Placing a piece of paper between components that is are suspected to be the cause of the noise.
- Looking for loose components and contact marks.

Refer to INT-9, "Inspection Procedure".

### REPAIR THE CAUSE

- If the cause is a loose component, tighten the component securely.
- If the cause is insufficient clearance between components:
- Separate components by repositioning or loosening and retightening the component, if possible.
- Insulate components with a suitable insulator such as urethane pads, foam blocks, felt cloth tape or urethane tape. These insulators are available through the authorized Nissan Parts Department.

#### **CAUTION:**

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

URETHANE PADS

Insulates connectors, harness, etc.

INSULATOR (Foam blocks)

Insulates components from contact. Can be used to fill space behind a panel.

- INSULATOR (Light foam block)
- FELT CLOTHTAPE

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

The following materials, not available through NISSAN Parts Department, can also be used to repair squeaks and rattles.

UHMW(TEFLON) TAPE

Insulates where slight movement is present. Ideal for instrument panel applications.

SILICONE GREASE

Used in place of UHMW tape that is be visible or does not fit.

Note: Will only last a few months.

SILICONE SPRAY

Used when grease cannot be applied.

DUCT TAPE

Used to eliminate movement.

#### CONFIRM THE REPAIR

## < SYMPTOM DIAGNOSIS >

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

## Inspection Procedure

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

#### INSTRUMENT PANEL

Most incidents are caused by contact and movement between:

- Cluster lid A and instrument panel
- Acrylic lens and combination meter housing
- Instrument panel to front pillar garnish
- Instrument panel to windshield
- Instrument panel mounting pins
- 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:

- Shifter assembly cover to finisher
- A/C control unit and cluster lid C
- 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:

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

Tapping or moving the components or pressing on them while driving to duplicate the conditions can isolate many of these incidents. The areas can usually be insulated with felt cloth tape or insulator foam blocks to repair the noise.

#### TRUNK

Trunk noises are often caused by a loose jack or loose items put into the trunk by the customer. In addition look for the following:

- Trunk lid dumpers out of adjustment
- 2. Trunk lid striker out of adjustment
- Trunk lid torsion bars knocking together
- 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
- Front or rear windshield touching headlining and squeaking

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## < SYMPTOM DIAGNOSIS >

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

#### **SEATS**

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

Cause of seat noise include:

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

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

### **UNDERHOOD**

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

Causes of transmitted underhood noise include:

- Any component mounted to the engine wall
- 2. Components that pass through the engine wall
- Engine wall mounts and connectors
- 4. Loose radiator mounting pins
- 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.

< SYMPTOM DIAGNOSIS >

## Diagnostic Worksheet

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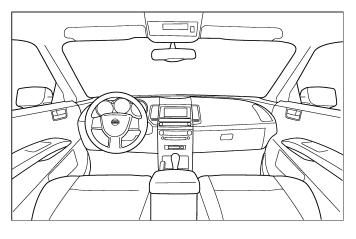


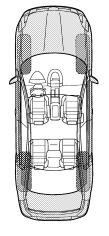
SQUEAK & RATTLE
DIAGNOSTIC WORKSHEET

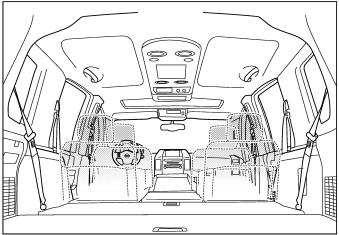
#### Dear Nissan Customer:

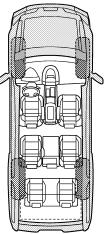
We are concerned about your satisfaction with your Nissan vehicle. Repairing a squeak or rattle sometimes can be very difficult. To help us fix your Nissan right the first time, please take a moment to note the area of the vehicle where the squeak or rattle occurs and under what conditions. You may be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

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









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

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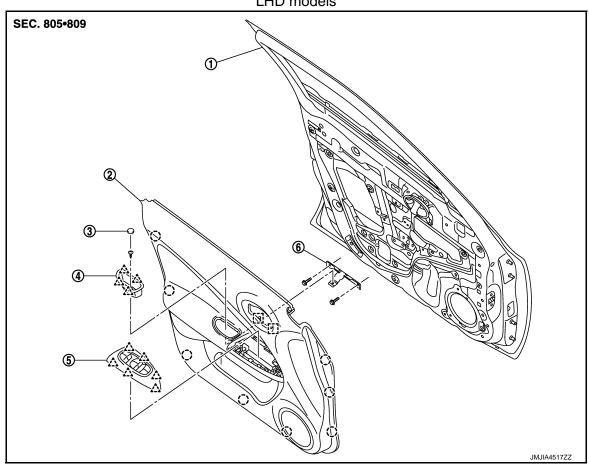
| Briefly describe the location where the no  | oise occurs:   |  |            |                                  |
|---|--|--|------------|----------------------------------|
|   |  |  |            |                                  |
| II. WHEN DOES IT OCCUR? (please che   | eck the box  | es that ap   | ply)       |                                  |
| <ul><li>□ anytime</li><li>□ 1st time in the morning</li><li>□ only when it is cold outside</li><li>□ only when it is hot outside</li></ul>  | ☐ whe  | sitting oun it is rain or dusty contributer or sitting the sitting of the siterature of the sitting of the sitting of the sitting of the sitt | ing or wet |                                  |
| III. WHEN DRIVING:  | IV. WHAT TYPE OF NOISE   |  |            | E                                |
| □ 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: miles or miles | 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 Test Drive Notes:   | PERSON   | IEL  |            |                                  |
|   |  |  |            |                                  |
|   |  | YES  | NO         | Initials of person<br>performing |
| Vehicle test driven with customer - Noise verified on test drive - Noise source located and repaired - Follow up test drive performed to confire  | m repair   |  |            |                                  |
| VIN:<br>W.O.#   |  |  |            |                                  |
|   |  |  |            |                                  |

## REMOVAL AND INSTALLATION

## FRONT DOOR FINISHER

Exploded View

## LHD models



- 1. Front door panel
- 4. Pull handle
- ( ) : Clip
- \_\_\_\_\_\_: Pawl
- : Metal clip

- 2. Front door finisher
- 5. Power window switch finisher
- 3. Cap
- 6. Pull handle bracket

## Removal and Installation

## **REMOVAL**

## **CAUTION:**

- When removing, always use a remover tool that is made of plastic.
- Never damage the door panel.
- 1. Fully open door window.
- Remove pull handle.

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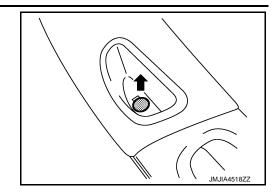
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## FRONT DOOR FINISHER

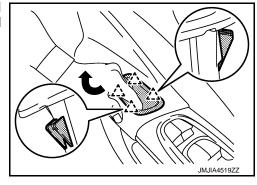
## < REMOVAL AND INSTALLATION >

1. Remove cap from the pull handle.



- 2. Remove pull handle fixing screw.
- 3. Lift up the pull handle while rotating it in direction indicated by the arrow as shown in the figure. Disengage pawls and remove the pull handle.





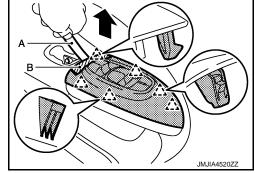
- 3. Remove power window switch finisher and power window switch as a unit.
  - 1. Disengage power window switch finisher fixing pawls with a remover tool (A).



## **CAUTION:**

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

2. Pull up power window switch finisher and power window switch as a unit and disconnect harness connector.



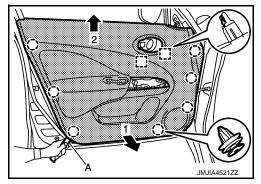
- 4. Remove front door corner cover. Refer to MIR-43, "DOOR MIRROR ASSEMBLY: Removal and Installation".
- 5. Remove front door finisher.
  - 1. Disengage front door finisher fixing clips and metal clips with a remover tool (A).



#### **CAUTION:**

Insert a remover tool between body side panel and clip and disengage pawl.

Pull toward the direction of the arrows as shown in the figure to remove.



#### NOTE:

Remove power window switch. Refer to PWC-44, "Removal and Installation".

#### INSTALLATION

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

## FRONT DOOR FINISHER

## < REMOVAL AND INSTALLATION >

## **CAUTION:**

When installing front door finisher, check that clips, and metal clips are securely in body panel holes, and press them in.

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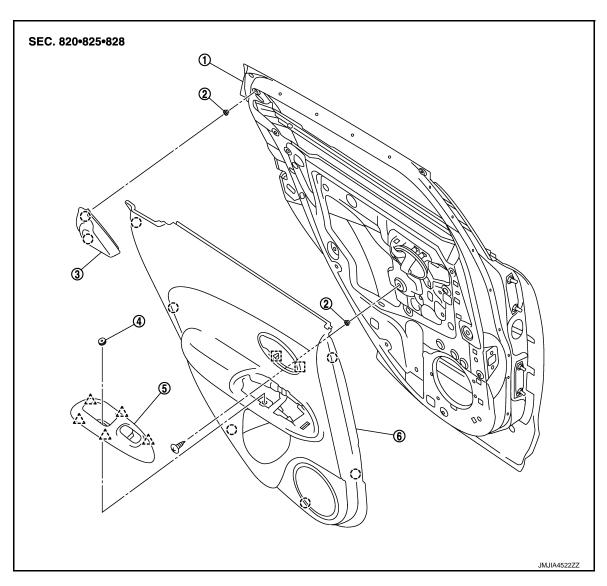
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## **REAR DOOR FINISHER**

**Exploded View** INFOID:0000000006418515



- 1. Rear door panel
- 4. Cap
- ( ) : Clip
- ∠^\ : Pawl
- [ ]: Metal clip

- 2. Grommet
- 5. Power window switch finisher
- 3. Rear door corner cover inner
- 6. Rear door finisher

## Removal and Installation

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## **REMOVAL**

#### **CAUTION:**

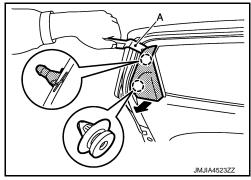
- When removing, always use a remover tool that is made of plastic.
- Never damage the door panel.
- Fully open door window.
- Remove rear corner cover inner.

## **REAR DOOR FINISHER**

### < REMOVAL AND INSTALLATION >

Disengage rear corner cover inner fixing clips with a remover tool.

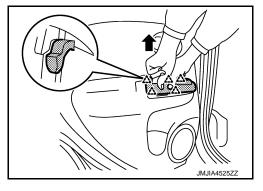




- 3. Remove power window switch finisher and power window switch as a unit.
  - 1. Pull up power window switch finisher and power window switch as a unit to disengage the fixing pawls.



2. Disconnect harness connector, and then remove power window switch finisher and power window switch as a unit.



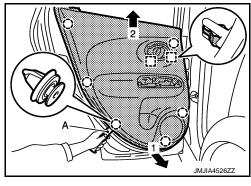
- 4. Remove rear door finisher fixing screw.
- 5. Remove rear door finisher.
  - 1. Disengage rear door finisher fixing clips and metal clips with a remover tool (A).



2. Pull toward the direction of the arrows as shown in the figure to remove.

#### **CAUTION:**

Insert a remover tool between body side panel and clip and disengage pawl.



## NOTE:

Remove power window switch. Refer to PWC-44, "Removal and Installation".

## **INSTALLATION**

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

#### **CAUTION:**

When installing rear door finisher, check that clips, and metal clips are securely in body panel holes, and press them in.

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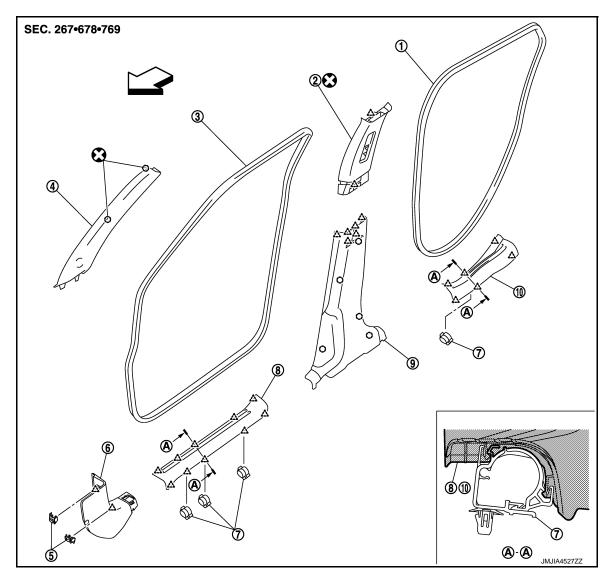
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## **BODY SIDE TRIM**

Exploded View



- 1. Rear body side welt
- 4. Front pillar garnish
- 7. Harness clip
- 10. Rear kicking plate inner
- (\_) : Clip
- \_\_\_\_\_\_: Pawl
- : Metal clip
- : Do not reuse

- 2. Center pillar upper garnish
- 5. Metal clip
- 8. Front kicking plate inner
- 3. Front body side welt
- 6. Dash side finisher
- 9. Center pillar lower garnish

INFOID:0000000006418518

## FRONT PILLAR GARNISH

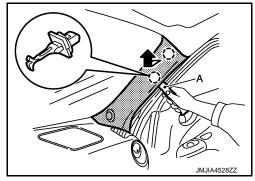
FRONT PILLAR GARNISH: Removal and Installation

REMOVAL CAUTION:

## **BODY SIDE TRIM**

### < REMOVAL AND INSTALLATION >

- When removing, always use a remover tool that is made of plastic.
- Never damage the body.
- Release front pillar garnish portion of front body side welt.
- Remove front pillar garnish.
  - Disengage front pillar garnish fixing clips with a remover tool (A).
    - ( ) : Clip
  - 2. Twist clip portion of front pillar garnish using long nose pliers while pulling upper side of front pillar garnish toward inside, and then remove clip from front pillar garnish side.
  - Remove front pillar garnish of pull toward the arrow direction.



### INSTALLATION

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

#### **CAUTION:**

- When installing front pillar garnish, check that clips are securely in body panel holes, and press
- Replace front pillar garnish with a new part after removal. Never reuse front pillar garnish.

## KICKING PLATE INNER

KICKING PLATE INNER: Removal and Installation

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## **REMOVAL**

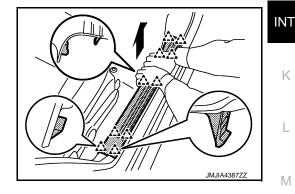
#### **CAUTION:**

Never damage the body.

#### FRONT KICKING PLATE INNER

Pull up front kicking plate inner, and then disengage the pawls.

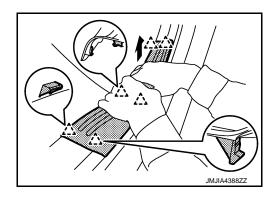




#### REAR KICKING PLATE INNER

Pull up rear kicking plate inner, and then disengage the pawls.

\_\_\_\_\_: Pawl



**INSATALLATION** 

Install in the reverse order of removal.

DASH SIDE FINISHER

## DASH SIDE FINISHER: Removal and Installation

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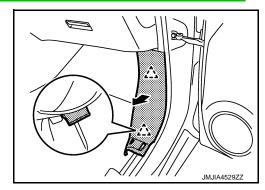
### **REMOVAL**

#### **CAUTION:**

## Never damage the body.

- 1. Remove front kicking plate inner. Refer to <a href="INT-19">INT-19</a>, "KICKING PLATE INNER: Removal and Installation".
- 2. Pull back dash side finisher, and then disengage the pawls.





3. Disconnect dash side finisher, vehicle front side, from stud bolt and remove dash side finisher.

#### INSTALLATION

Install in the reverse order of removal.

**BODY SIDE WELT** 

BODY SIDE WELT: Removal and Installation

INFOID:0000000006418521

## **REMOVAL**

#### **CAUTION:**

- Never excessively pull body side welt.
- Never damage the body.

#### FRONT BODY SIDE WELT

- Remove front kicking plate inner. Refer to <u>INT-19</u>, "KICKING PLATE INNER: Removal and Installation".
- 2. Remove front body side welt.

## REAR BODY SIDE WELT

- 1. Remove rear kicking plate inner. Refer to INT-19, "KICKING PLATE INNER: Removal and Installation".
- 2. Remove rear body side welt.

### **INSTALLATION**

Install in the reverse order of removal.

## CENTER PILLAR LOWER GARNISH

## CENTER PILLAR LOWER GARNISH: Removal and Installation

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#### **REMOVAL**

#### **CAUTION:**

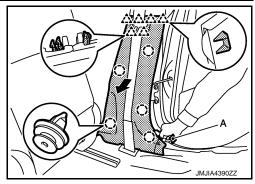
- When removing, always use a remover tool that is made of plastic.
- · Never damage the body.
- 1. Fully open front door and rear door.
- 2. Slide front seat to the fully forward position. Tilt seatback forward.
- Remove Front body side welt and rear body side welt. Refer to <u>INT-20, "BODY SIDE WELT: Removal and Installation"</u>.

### **BODY SIDE TRIM**

### < REMOVAL AND INSTALLATION >

4. Disengage center pillar lower garnish fixing clips and pawls with a remover tool (A), and then remove center pillar lower garnish.





## **INSTALLATION**

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

## **CAUTION:**

When installing center pillar lower garnish, check that clips are securely in body panel holes, and press them in.

CENTER PILLAR UPPER GARNISH

CENTER PILLAR UPPER GARNISH: Removal and Installation

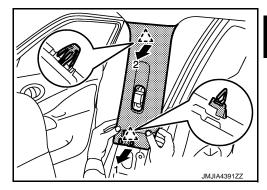
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## **REMOVAL**

#### **CAUTION:**

- When removing, always use a remover tool that is made of plastic.
- Never damage the body.
- 1. Remove center pillar lower garnish. Refer to <a href="INT-20">INT-20</a>, "CENTER PILLAR LOWER GARNISH: Removal and Installation".
- Remove front seat belt shoulder anchor. Refer to SB-5, "SEAT BELT RETRACTOR: Removal and Installation".
- 3. Disengage center pillar upper garnish lower side fixing pawl.

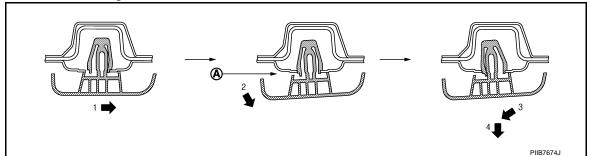




4. Disengage center pillar upper garnish upper side fixing clip.

#### NOTE:

Removal operation can be performed easily when pressing pawl by inserting a removal tool from direction (A) as shown in the figure.



#### **CAUTION:**

Be careful not to apply excessive force when removing center pillar upper garnish. Otherwise, pawl may be damaged and fragments may drop in panel holes on body.

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## **BODY SIDE TRIM**

## < REMOVAL AND INSTALLATION >

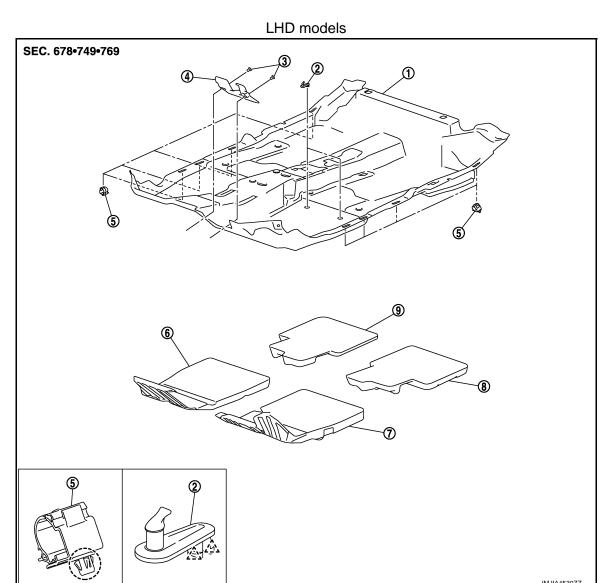
Note the following items, and install in the reverse order of removal.

## **CAUTION:**

- Replace center pillar upper garnish with a new part after removal. Never reuse center pillar upper garnish.
- When installing center pillar upper garnish, check that pawls are securely in body panel holes, and press them in.

## **FLOOR TRIM**

Exploded View



- 1. Floor carpet
- 4. Column hole cover
- 7. Front floor spacer LH
- ( ) : Clip
- ^ : Pawl

- 2. Carpet hook
- 5. Harness clip
- 8. Rear floor spacer LH
- 3. Trim clip
- Front floor spacer RH

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Rear floor spacer RH

## Removal and Installation

## REMOVAL

#### **CAUTION:**

- When removing, always use a remover tool that is made of plastic.
- Never damage the body.
- 1. Remove front seat assembly (LH and RH).
  - 2WD models: Refer to SE-19, "Removal and Installation".
  - 4WD models: Refer to SE-27, "Removal and Installation".
- 2. Remove rear seat cushion.
  - 2WD models: Refer to SE-33, "SEAT CUSHION: Removal and Installation".

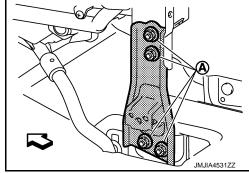
## **FLOOR TRIM**

### < REMOVAL AND INSTALLATION >

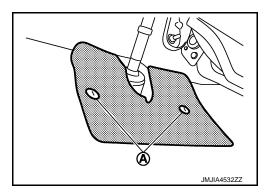
- 4WD models: Refer to SE-42, "SEAT CUSHION: Removal and Installation".
- 3. Remove center console assembly. Refer to IP-23, "Removal and Installation".
- 4. Remove instrument stay.

Remove instrument stay mounting nuts (A), and then remove instrument stay.



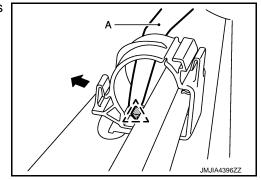


- 5. Disconnect drain hose.
  - HR16DE: Refer to HA-53, "A/C UNIT ASSEMBLY: Removal and Installation".
  - MR16DDT: Refer to HA-113, "A/C UNIT ASSEMBLY: Removal and Installation".
- Remove foot ducts (LH and RH). <u>VTL-13, "REAR HEATER DUCT 2 : Removal and Installation"</u> (Models with foot ducts).
- 7. Remove sift selector assembly.
  - 5MT models: Refer to TM-25, "Removal and Installation".
  - 6MT models: Refer to TM-78, "Removal and Installation".
  - CVT models (RE0F10B): Refer to TM-270, "Removal and Installation".
  - CVT models (RE0F11A): Refer to <u>TM-481</u>, "Removal and Installation".
- 8. Remove diagnosis sensor unit. Refer to SR-30, "Removal and Installation".
- 9. Remove parking brake lever. Refer to PB-5, "Removal and Installation".
- 10. Remove the inside key antenna (console lower). Refer to <a href="DLK-188">DLK-188</a>, "INSTRUMENT CENTER: Removal and Installation" (Models with Intelligent Key system).
- 11. Remove center pillar lower garnish (LH and RH). Refer to <a href="INT-20">INT-20</a>, "CENTER PILLAR LOWER GARNISH: Removal and Installation".
- 12. Remove column hole cover.
  - Disengage trim clips (A), and then remove column hole cover.



- 13. Remove dash side finisher (LH and RH). Refer to <a href="INT-20">INT-20</a>, "DASH SIDE FINISHER: Removal and Installation".
- 14. Disengage pawl using a remover tool (A) and open the harness clip.





## **FLOOR TRIM**

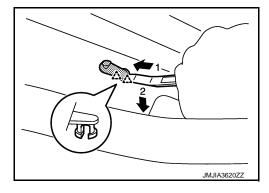
## < REMOVAL AND INSTALLATION >

15. Remove floor carpet.

## NOTE:

Disengage pawls using a remover tool and remove carpet hook.

\_\_\_\_\_: Pawl



## **INSTALLATION**

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

## **CAUTION:**

Replace diagnosis sensor unit fixing bolts with a new part after removal. Never reuse diagnosis sensor unit fixing bolts.

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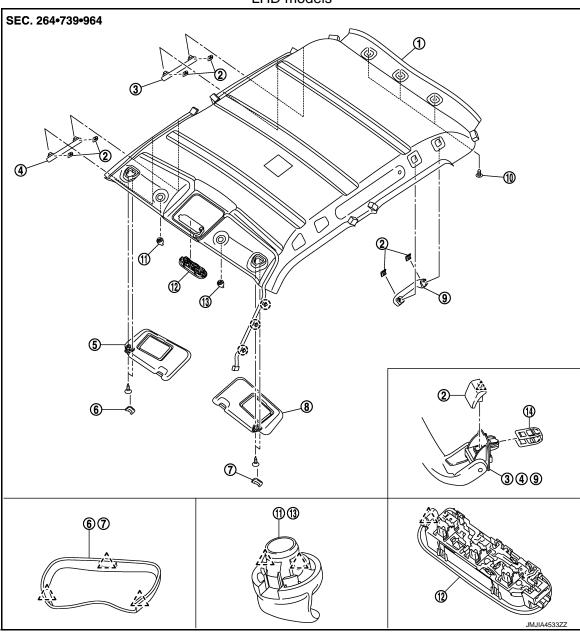
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## **HEADLINING**

Exploded View

## LHD models



- 1. Headlining assembly
- 4. Front assist grip RH
- 7. Sun visor cover LH
- 10. Headlining clip
- 13. Sun visor holder LH

(\_) : Clip

- 2. Assist grip clip
- 5. Sun visor assembly RH
- 8. Sun visor assembly LH
- 11. Sun visor holder RH
- 14. Metal clip

- 3. Rear assist grip RH
- 6. Sun visor cover RH
- 9. Rear assist grip LH
- 12. Map lamp

## Removal and Installation

REMOVAL CAUTION:

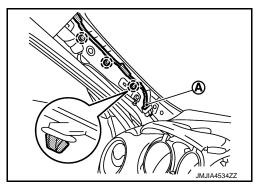
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## **HEADLINING**

## < REMOVAL AND INSTALLATION >

- When removing, always use a remover tool that is made of plastic.
- Never damage the body.
- Remove front pillar garnish (LH and RH). Refer to INT-18, "FRONT PILLAR GARNISH: Removal and Installation".
- 2. Disconnect harness connector (A) from headlining and harness clips.

: Clip



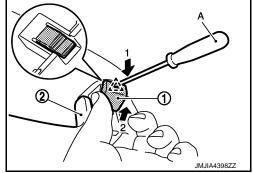
3. Remove center pillar upper garnish (LH and RH). Refer to INT-21, "CENTER PILLAR UPPER GARNISH: Removal and Installation".

- Remove back door weather-strip.
  - TYPE1: Refer to DLK-170, "BACK DOOR WEATHER-STRIP: Removal and Installation".

  - TYPE2: Refer to DLK-333, "BACK DOOR WEATHER-STRIP: Removal and Installation".
     TYPE3: Refer to DLK-468, "BACK DOOR WEATHER-STRIP: Removal and Installation".
  - TYPE4: Refer to <u>DLK-584</u>, "BACK DOOR WEATHER-STRIP: Removal and Installation".
- 5. Remove luggage side upper finisher (LH and RH). INT-32, "LUGGAGE SIDE UPPER FINISHER: Removal and Installation".
- Remove all assist grips.
  - Disengage pawl of assist grip clip (1) using a remover tool (A). Slide assist grip clip forward and remove it.

: Pawl

Slide assist grip (2) forward and remove it.

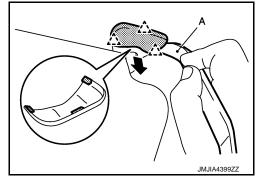


Remove metal clips.

Remove sun visor assembly (LH and RH).

1. Disengage sun visor cover fixing pawls with a remover tool (A), and then remove sun visor cover.

ےٰ : Pawl



- Remove sun visor assembly fixing screw, and then remove sun visor assembly.
- Remove inside mirror and inside mirror cover. Refer to MIR-41, "Removal and Installation".
- Remove map lamp assembly. Refer to INL-37, "Removal and Installation".
- 10. Remove front seat assembly (passenger).
  - 2WD models: Refer to <u>SE-19</u>, "Removal and Installation".

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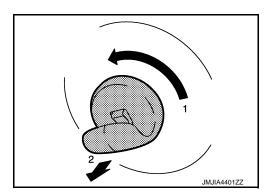
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## **HEADLINING**

## < REMOVAL AND INSTALLATION >

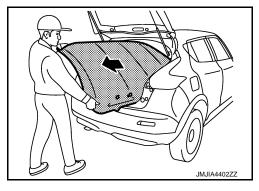
- 4WD models: Refer to SE-27, "Removal and Installation".
- 11. Remove sun visor holder (LH and RH). Rotate 90°. Remove toward vehicle lower.



- 12. Remove headlining clips.
- 13. Remove headlining assembly through the back door.

#### **CAUTION:**

- Two workers are required for removal in order to prevent damage.
- Apply protective tape to the portion where contact may occur during work.
- Never bend headlining when removing.



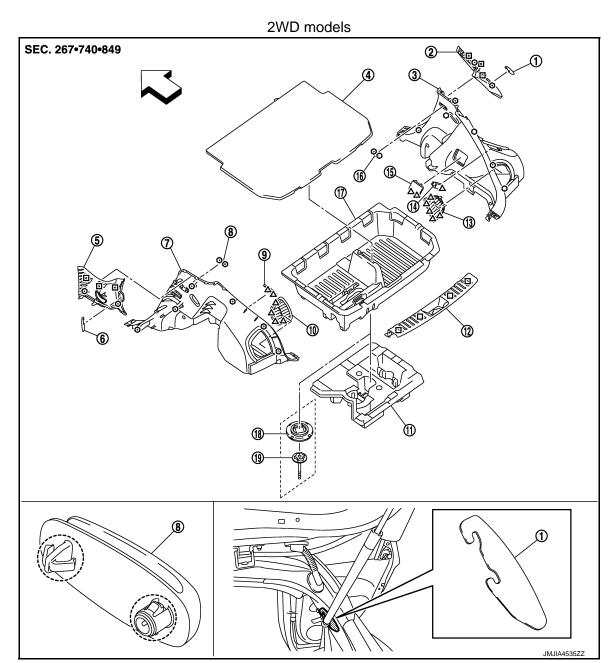
#### INSTALLATION

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

#### **CAUTION:**

- When installing headlining, start by installing both sun visor holders and headlining clips in order to keep the headlining in position.
- Never bend headlining when installing.
- Be careful that the surface is not wrinkled when installing.

**Exploded View** INFOID:0000000006418528



- Rear pillar cap RH 1.
- 4. Luggage floor board
- Luggage side lower finisher LH 7.
- 10. Luggage side lower finisher grille LH 11.
- 13. Luggage side lower finisher grille RH 14. Luggage room lamp
- 16. Seat belt hook RH
- 19. Spare tire clamp (Models with spare tire)
- (\_) : Clip \_\_\_\_\_\_: Pawl

- 2. Luggage side upper finisher RH
- 5. Luggage side upper finisher LH
- 8. Seat belt hook LH
- Repair kit holder (Models without spare tire)
- 17. Luggage floor box

- Luggage side lower finisher RH 3.
- 6. Rear pillar cap LH
- 9. Shock absorber mask LH
- 12. Luggage rear plate
- 15. Shock absorber mask RH
- 18. Luggage floor rear center spacer (Models with spare tire)

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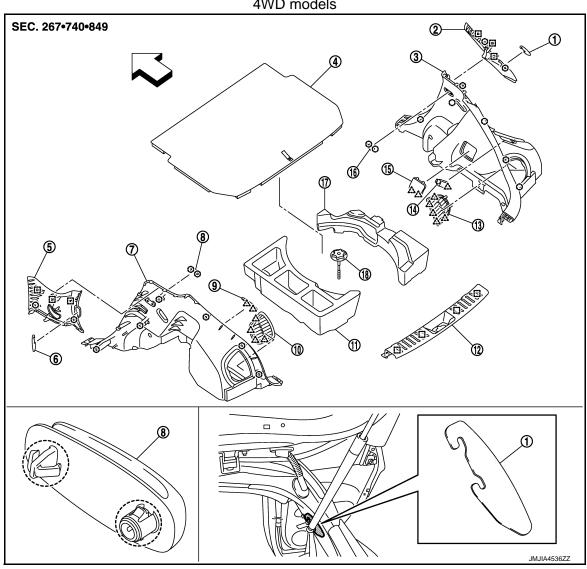
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## < REMOVAL AND INSTALLATION >

: Metal clip ⟨⇒ : Vehicle front

#### 4WD models



- Rear pillar cap RH
- Luggage floor board 4.
- Luggage side lower finisher LH
- 10. Luggage side lower finisher grille LH 11. Luggage floor rear spacer LH
- 13. Luggage side lower finisher grille RH 14. Luggage room lamp
- 16. Seat belt hook RH
- : Clip : Pawl : Metal clip

- 2. Luggage side upper finisher RH
- 5. Luggage side upper finisher LH
- 8. Seat belt hook LH

- 17. Luggage floor rear spacer RH
- Luggage side lower finisher RH 3.
- Rear pillar cap LH 6.
- 9. Shock absorber mask LH
- 12. Luggage rear plate
- Shock absorber mask RH
- 18. Spare tire clamp

## LUGGAGE REAR PLATE

LUGGAGE REAR PLATE: Removal and Installation

## INFOID:0000000006418529

## **CAUTION:**

When removing, always use a remover tool that is made of plastic.

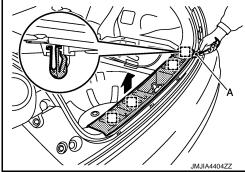
### < REMOVAL AND INSTALLATION >

#### Never damage the body.

#### REMOVE

- 1. Remove back door weather-strip.
  - TYPE1: Refer to <a href="DLK-170">DLK-170</a>, "BACK DOOR WEATHER-STRIP: Removal and Installation".
  - TYPE2: Refer to DLK-333, "BACK DOOR WEATHER-STRIP: Removal and Installation".
  - TYPE3: Refer to DLK-468, "BACK DOOR WEATHER-STRIP: Removal and Installation".
  - TYPE4: Refer to DLK-584, "BACK DOOR WEATHER-STRIP: Removal and Installation".
- Remove luggage floor board.
- 3. Remove luggage floor box. (Models withe 2WD)
- 4. Disengage luggage rear plate fixing metal clips with a remover tool (A), and then remove luggage rear plate.





#### INSTALLATION

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

#### **CAUTION:**

When installing luggage rear plate, check that metal clips are securely in body panel holes, and press them in.

## LUGGAGE SIDE LOWER FINISHER

## LUGGAGE SIDE LOWER FINISHER: Removal and Installation

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#### REMOVAL

#### **CAUTION:**

- When removing, always use a remover tool that is made of plastic.
- Never damage the body.
- 1. Remove luggage room lamp. Refer to <a href="INL-39">INL-39</a>, "Removal and Installation".
- Remove luggage floor board.
- 3. Remove luggage floor box.(Models with 2WD)
- Remove luggage rear plate. Refer to <u>INT-30, "LUGGAGE REAR PLATE: Removal and Installation"</u>.
- 5. Remove rear body side welt. Refer to INT-20, "BODY SIDE WELT: Removal and Installation".
- Remove rear seat cushion.
  - 2WD models: Refer to SE-33, "SEAT CUSHION: Removal and Installation".
  - 4WD models: Refer to SE-42, "SEAT CUSHION: Removal and Installation".
- Remove rear seat back.
  - 2WD models: Refer to <u>SE-33</u>, "<u>SEATBACK</u>: Removal and Installation".
  - 4WD models: Refer to SE-43, "SEATBACK: Removal and Installation".
- Remove side hinge.
  - 2WD models: Refer to <u>SE-38</u>, "<u>SEATBACK HINGE</u>: Removal and Installation".
  - 4WD models: Refer to SE-48, "SEATBACK HINGE: Removal and Installation".

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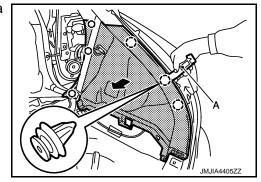
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### < REMOVAL AND INSTALLATION >

9. Disengage luggage side lower finisher fixing clips with a remover tool (A), and then remove luggage side lower finisher.





### **INSTALLATION**

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

#### **CAUTION:**

When installing luggage side lower finisher, check that clips are securely in body panel holes, and press them in.

Removal and installation of shock absorber mask

#### CAUTION:

When removing, always use a remover tool that is made of plastic.

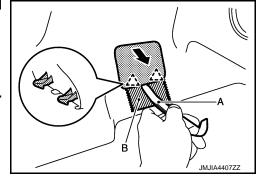
#### REMOVAL

Disengage shock absorber mask fixing pawls with a remover tool (A), and then remove shock absorber mask.



#### **CAUTION:**

Apply protective tape (B) on the parts to protect it from damage.



#### **INSTALLATION**

Install in the reverse order of removal.

Removal and installation of luggage side lower finisher grille

#### **CAUTION:**

When removing, always use a remover tool that is made of plastic.

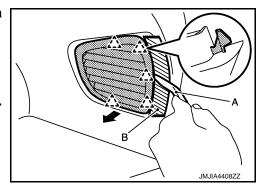
## REMOVAL

Disengage luggage side lower finisher grille fixing pawls with a remover tool (A), and then remove luggage side lower finisher grille.



#### **CAUTION:**

Apply protective tape (B) on the parts to protect it from damage.



**INSTALLATION** 

Install in the reverse order of removal.

LUGGAGE SIDE UPPER FINISHER

LUGGAGE SIDE UPPER FINISHER: Removal and Installation

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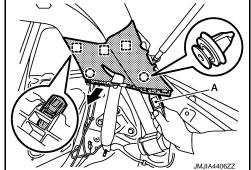
**REMOVAL** 

### < REMOVAL AND INSTALLATION >

#### **CAUTION:**

- When removing, always use a remover tool that is made of plastic.
- Never damage the body.
- 1. Remove luggage side lower finisher. Refer to <a href="INT-31">INT-31</a>, "LUGGAGE SIDE LOWER FINISHER: Removal and Installation".
- 2. Remove rear seat belt (floor) anchor bolt. Refer to <u>SB-12, "SEAT BELT RETRACTOR: Removal and Installation"</u>.
- Disengage luggage side upper finisher fixing clips and metal clips with a remover tool (A), and then remove luggage side upper finisher.

| (])   | : Clip       |
|-------|--------------|
| 1<br> | : Metal clip |



### **INSTALATION**

Note the following item, and install in the reverse order of removal. **CAUTION:** 

When installing luggage side upper finisher, check that clips, and metal clips are securely in body panel holes, and press them in.

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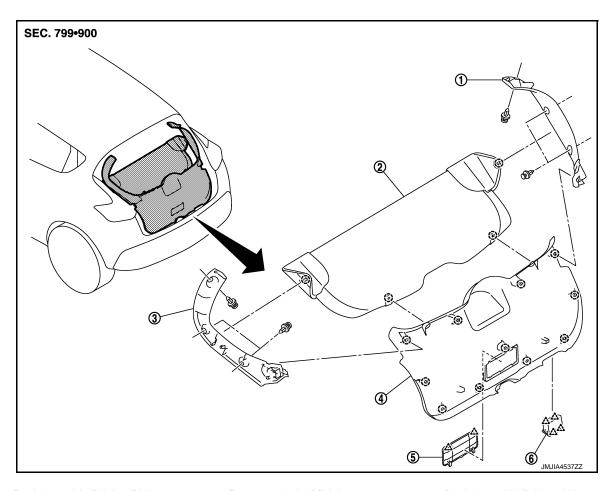
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## **BACK DOOR TRIM**

Exploded View



- 1. Back door side finisher RH
- 4. Back door lower finisher
- ( ) : Clip

- 2. Rear parcel shelf finisher
- 5. Emergency lid

- 3. Back door side finisher LH
- 5. Back door pull handle

## **BACK DOOR PULL HANDLE**

BACK DOOR PULL HANDLE: Removal and Installation

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## **REMOVAL**

### **CAUTION:**

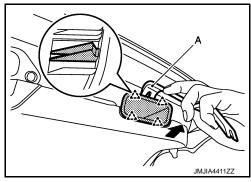
- When removing, always use a remover tool that is made of plastic.
- Never damage the back door panel.
- 1. Fully open back door.

## **BACK DOOR TRIM**

## < REMOVAL AND INSTALLATION >

Disengage back door pull handle fixing pawls with a remover tool (A), and then remove back door pull handle.





**INSTALATION** 

Install in the reverse order of removal.

BACK DOOR LOWER FINISHER

BACK DOOR LOWER FINISHER: Removal and Installation

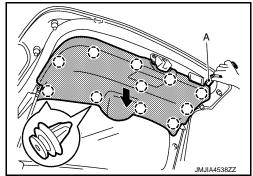
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**REMOVAL** 

**CAUTION:** 

- When removing, always use a remover tool that is made of plastic.
- Never damage the back door panel.
- 1. Fully open back door.
- Remove rear parcel shelf finisher. (Models with rear parcel shelf finisher)
- 3. Disengage back door lower finisher fixing clips with a remover tool (A), and then remove back door lower finisher.





INATALLATION

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

**CAUTION:** 

When installing back door lower finisher, check that clips are securely in back door panel holes, and press them in.

BACK DOOR SIDE FINISHER

BACK DOOR SIDE FINISHER: Removal and Installation

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**REMOVAL** 

**CAUTION:** 

- When removing, always use a remover tool that is made of plastic.
- Never damage the back door panel.
- 1. Fully open back door.
- Remove back door lower finisher. Refer to INT-35, "BACK DOOR LOWER FINISHER: Removal and Installation".

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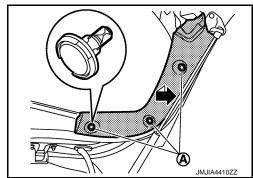
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## **BACK DOOR TRIM**

### < REMOVAL AND INSTALLATION >

3. Disengage back door side finisher fixing clips (A), and then remove back door side finisher.



### **INSTALATION**

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

#### **CAUTION:**

When installing back door side finisher, check that clips are securely in back door panel holes, and press them in.

**EMERGENCY LID** 

**EMERGENCY LID:** Removal and Installation

INFOID:0000000006418536

## **REMOVAL**

#### **CAUTION:**

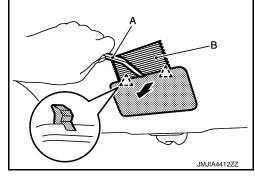
When removing, always use a remover tool that is made of plastic.

- 1. Fully open back door.
- 2. Disengage emergency lid fixing pawls with a remover tool (A), and then remove emergency lid.



#### **CAUTION:**

Apply protective tape (B) on the parts to protect it from damage.



#### INSTALLATION

Install in the reverse order of removal.