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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. 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

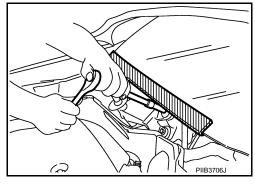
WARNING:

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.

Precaution for Procedure without Cowl Top Cover

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



Precaution for Work

- 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.

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PREPARATION

PREPARATION

Special Service Tools

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

Tool number (Kent-Moore No.) Tool name		Description
(J-39570) Chassis ear	SIIA0993E	Locates the noise
(J-43980) NISSAN Squeak and Rattle Kit	SIIA0994E	Repairs the cause of noise

Commercial Service Tools

INFOID:0000000008274256

Tool name		Description
Engine ear	SIIA0995E	Locates the noise
Remover tool	JMKIA3050ZZ	Removes clips, pawls and metal clips

CLIP LIST

Clip List

Shapes	Removal & Installation	Shapes	Removal & Installation
	Removal: Remove by bending up with flat-bladed screwdrivers or clip remover.	Clip A	Removal: Finisher Clip A Flat-bladed screwdriver Clip B
TTTT	Removal: Remove with a clip remover.	Clip A Clip B (Grommet)	Removal: Flat-bladed screwdriver Body panel Clip A Clip B (Grommet)
9 9	Removal: Push center pin to catching position. (Do not remove center pin by hitting it.) Push Push		Removal: Holder portion of clip must be spread out to remove rod.
	Removal: Remove by bending up with flat-bladed screwdrivers or clip remover. Clip Finisher		Removal: 1. Screw out with a Phillips screwdriver. 2. Remove female portion with flat-bladed screwdriver.
	Removal:		Removal: Installation: Rotate 45' to remove. Removal:
	Removal:		Removal:

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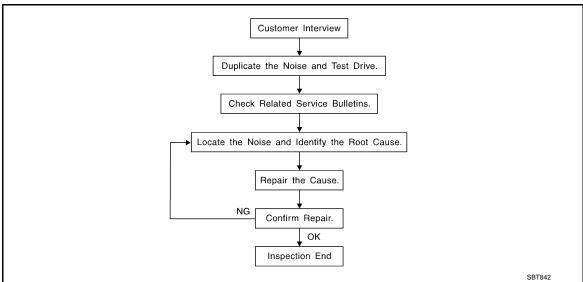
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SYMPTOM DIAGNOSIS

SQUEAK AND RATTLE TROUBLE DIAGNOSES

Work Flow INFOID:000000008274258



CUSTOMER INTERVIEW

Interview the customer if possible, to determine the conditions that exist when the noise occurs. Use the Diagnostic Worksheet during the interview to document the facts and conditions when the noise occurs and any customer comments. Refer to INT-10, "Diagnostic Worksheet". This information is necessary to duplicate the conditions that exist when the noise occurs.

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

DUPLICATE THE NOISE AND TEST DRIVE

< 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, do the following with the vehicle stopped to help identify the source of the noise.

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

CHECK RELATED SERVICE BULLETINS

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

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

LOCATE THE NOISE AND IDENTIFY THE ROOT CAUSE

- 1. Narrow down the noise to a general area. To help pinpoint the source of the noise, use a listening tool (Chassis ear: J-39570, engine ear, and mechanics stethoscope).
- 2. Narrow down the noise to a more specific area and identify the cause of the noise by:
- Removing the component(s) in the area(s) that is / are suspected to be the cause of the noise. Do not use too much force when removing clips and fasteners, otherwise clips and fasteners can be broken or lost during the repair, creating a new noise.
- Tapping or pushing/pulling the component(s) that is / are suspected to be the cause of the noise. Do not tap or push/pull the component(s) with excessive force, otherwise the noise is eliminated only tempo-
- Feeling for a vibration by hand by touching the component(s) that is / are suspected to be the cause of the
- 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 INT-8, "Inspection Procedure".

REPAIR THE CAUSE

- If the cause is a loose component, tighten the component securely.
- If the cause is insufficient clearance between components:
- Separate components by repositioning or loosening and retightening the components, if possible.
- Insulate components with a suitable insulator such as urethane pads, foam blocks, felt cloth tape, or urethane tape. A NISSAN Squeak and Rattle Kit (J-43980) 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-43980). Each item can be ordered separately as needed.

URETHANE PADS [1.5 mm (0.059 in) thick]

Insulates connectors, harness, etc.

- 76268-9E005: $100 \times 135 \text{ mm} (3.937 \times 5.315 \text{ in})$
- 76884-71L01: $60 \times 85 \text{ mm} (2.362 \times 3.346 \text{ in})$
- 76884-71L02: 15 \times 25 mm (0.591 \times 0.984 in)

INSULATOR (Foam blocks)

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

- 73982-9E000: 45 mm (1.772 in) thick, 50×50 mm (1.969 \times 1.969 in)
- 73982-50Y00: 10 mm (0.394 in) thick, 50 \times 50 mm (1.969 \times 1.969 in)

INSULATOR (Light foam block)

80845-71L00: 30 mm (1.18 in) thick, 30 \times 50 mm (1.181 \times 1.969in)

FELT CLOTHTAPE

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< SYMPTOM DIAGNOSIS >

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

- 68370-4B000: $15 \times 25 \text{ mm} (0.591 \times 0.984 \text{ in}) \text{ pad}$
- 68239-13E00: 5 mm (0.197 in) wide tape roll

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

UHMW (TEFLON) TAPE

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

SILICONE GREASE

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

SILICONE SPRAY

Used when grease cannot be applied.

DUCT TAPE

Used to eliminate movement.

CONFIRM THE REPAIR

After repair is complete, test drive the vehicle to confirm that the cause of noise is repaired by test driving the vehicle. Operate the vehicle under the same conditions as when the noise originally occurred. Refer to the notes on the Diagnostic Worksheet.

Inspection Procedure

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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:

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

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

CAUTION:

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

CENTER CONSOLE

Components to check include:

- Shifter assembly cover to finisher
- 2. 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

Check the following items:

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

Tapping, moving the components, or pressing on them while driving to duplicate the conditions can isolate many of these incidents. The areas can usually be insulated with felt cloth tape or insulator foam blocks from the NISSAN Squeak and Rattle Kit (J-43980) to repair the noise.

TRUNK

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

< SYMPTOM DIAGNOSIS >

- Trunk lid dumpers out of adjustment
- Trunk lid striker out of adjustment
- Trunk lid torsion bars knocking together
- 4. A loose license plate or bracket

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

SUNROOF/HEADLINING

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

- Sunroof lid, rail, linkage, or seals making a rattle or light knocking noise
- 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.

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

Causes of seat noise include:

- Headrest rods and holder
- A squeak between the seat pad cushion and frame
- 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
- 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.

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Diagnostic Worksheet

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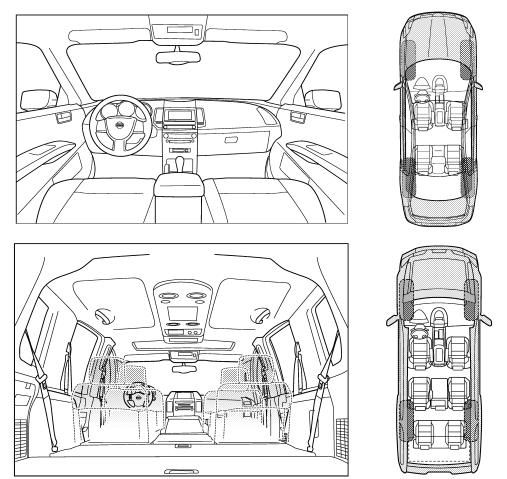
SQUEAK & RATTLE DIAGNOSTIC WORKSHEET

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 configurations.

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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< SYMPTOM DIAGNOSIS >

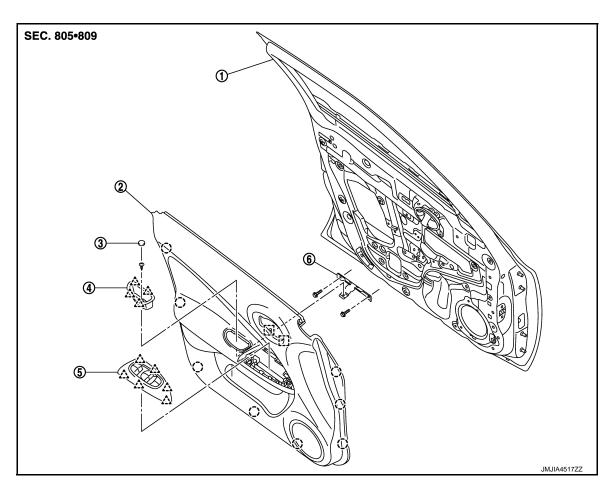
II. WHEN DOES IT OCCUR? (please	check the boxes that apply)	
anytime	after sitting out in the rain	
1st time in the morning	when it is raining or wet	
only when it is cold outside	dry or dusty conditions	
only when it is hot outside	other:	
III. WHEN DRIVING:	IV. WHAT TYPE OF NOISE	
through driveways	squeak (like tennis shoes on a clean floor)	
over rough roads	creak (like walking on an old wooden floor)	
over speed bumps	rattle (like shaking a baby rattle)	
only about mph	knock (like a knock at the door)	
on acceleration	tick (like a clock second hand)	
coming to a stop	thump (heavy, muffled knock noise)	
on turns: left, right or either (circle)	buzz (like a bumble bee)	
L with necessaries or cores		
with passengers or cargo		
other:	 minutes	
	 minutes	_
other: miles or		
other: miles or TO BE COMPLETED BY DEALERS		_
other: miles or TO BE COMPLETED BY DEALERS		_
other: miles or TO BE COMPLETED BY DEALERS		_
other: miles or TO BE COMPLETED BY DEALERS		
other: after driving miles or TO BE COMPLETED BY DEALERS Test Drive Notes:	HIP PERSONNEL YES NO Initials of person	
other: after driving miles or TO BE COMPLETED BY DEALERS Test Drive Notes: Vehicle test driven with customer	HIP PERSONNEL YES NO Initials of person	
other: after driving miles or TO BE COMPLETED BY DEALERS Test Drive Notes: Vehicle test driven with customer - Noise verified on test drive	HIP PERSONNEL YES NO Initials of person	
other: after driving miles or TO BE COMPLETED BY DEALERS Test Drive Notes: Vehicle test driven with customer	YES NO Initials of person performing	
other: after driving miles or TO BE COMPLETED BY DEALERS Test Drive Notes: Vehicle test driven with customer - Noise verified on test drive - Noise source located and repaired	YES NO Initials of person performing	

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REMOVAL AND INSTALLATION

FRONT DOOR FINISHER

Exploded View



- 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

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Removal and Installation

REMOVAL

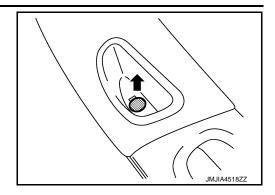
CAUTION:

- 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.

FRONT DOOR FINISHER

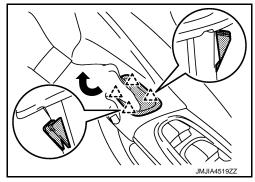
< REMOVAL AND INSTALLATION >

1. Remove cap in 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.





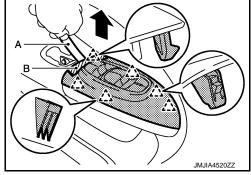
- 3. Remove power window switch finisher and power window switch in one body.
 - Disengage power window switch finisher fixing pawl with a remover tool (A).



CAUTION:

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

2. Pull up power window switch finisher and power window switch with one body and disconnect harness connector.

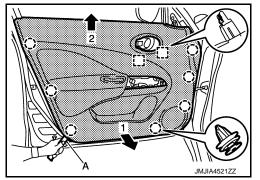


- Remove front door corner cover. Refer to <u>MIR-14, "DOOR MIRROR ASSEMBLY: Removal and Installation"</u>.
- 5. Disengage front door finisher fixing clips and metal clips with a remover tool (A), and then remove front door finisher.



CAUTION:

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



NOTE:

Remove power window switch. Refer to PWC-50, "Removal and Installation".

INSTALLATION

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

CAUTION:

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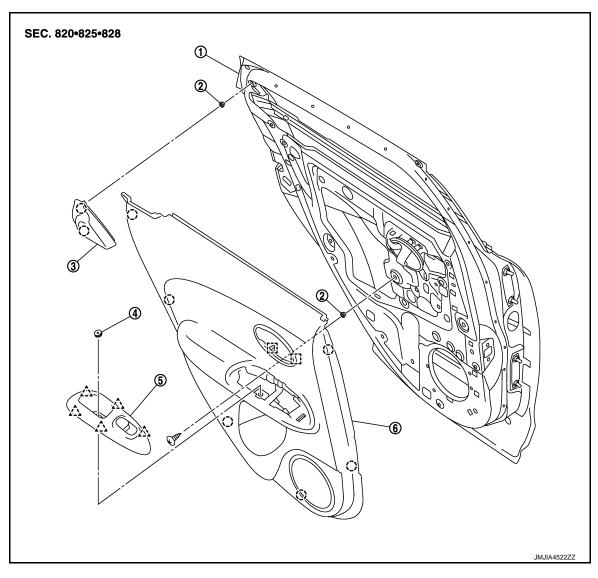
FRONT DOOR FINISHER

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

REAR DOOR FINISHER

Exploded View



- 1. Rear door panel
- l. Cap
- () : Clip
- : Pawl
- []: Metal clip

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

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6. Rear door finisher

Removal and Installation

REMOVAL

CAUTION:

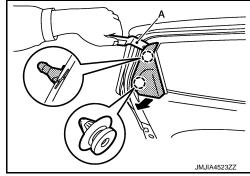
- When removing, always use a remover tool that is made of plastic.
- Never damage the door panel.
- Fully open door window.
- 2. Remove rear corner cover inner.

REAR DOOR FINISHER

< REMOVAL AND INSTALLATION >

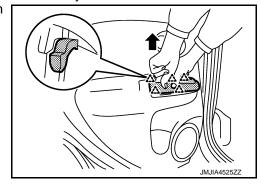
Disengage rear corner cover inner fixing pawl with a remover tool.





3. Remove power window switch finisher and power window switch in one body. Pull up power window switch finisher and power window switch with one body and disconnect harness connector.



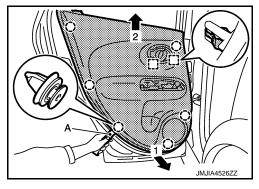


- 4. Remove rear door finisher fixing screw.
- 5. Disengage rear door finisher fixing clips and metal clips with a remover tool (A), and then remove rear door finisher.



CAUTION

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



NOTE:

Remove power window switch. Refer to PWC-50, "Removal and Installation".

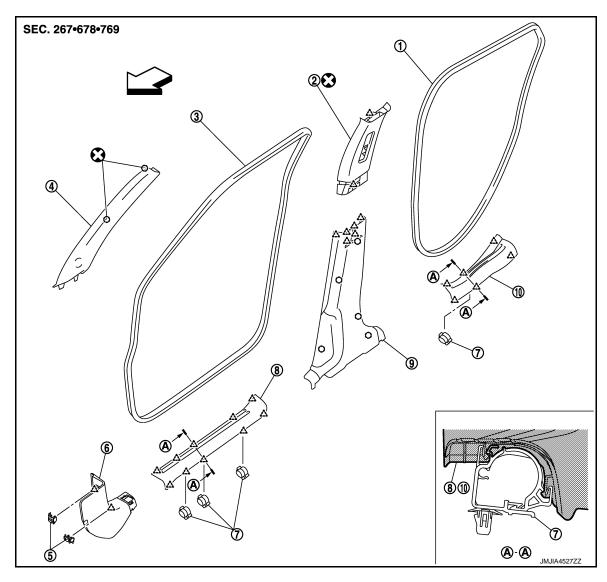
INSTALLATION

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.

Exploded View INFOID:0000000008274265



Center pillar upper garnish

Front kicking plate inner

Metal clip

- Rear body side welt
- Front pillar garnish
- 7. Harness clip
- Rear kicking plate inner
- : Clip
- : Pawl
- : Metal clip

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: Always replace after every disassembly.

FRONT PILLAR GARNISH

FRONT PILLAR GARNISH: Removal and Installation

2.

REMOVAL CAUTION:

Front body side welt 3.

6. Dash side finisher RH

Center pillar lower garnish

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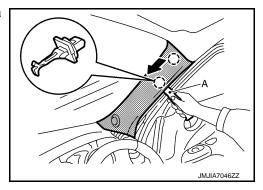
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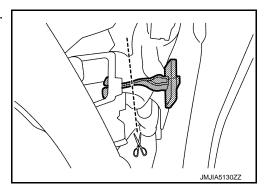
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< REMOVAL AND INSTALLATION >

- 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.
- 2. Remove front pillar garnish.
 - 1. Disengage front pillar garnish fixing anchor clips with a remover tool (A).
 - (): Anchor Clip



2. Cut anchor clip portion, and then remove front pillar garnish.

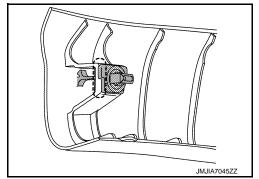


INSTALLATION

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

CAUTION:

- Replace anchor clip with a new part after removal. Never reuse anchor clip.
- Be sure to install anchor clip to front pillar garnish before installing front pillar garnish to the vehicle body
- When installing anchor clip to front pillar garnish, be sure to align the notch and then insert anchor clip.



- After installing anchor clip to front pillar garnish, check that anchor clip is engaged securely to front pillar garnish. If anchor clip is not engaged securely, front pillar garnish may be lifted and disengaged from the vehicle body.
- When installing front pillar garnish, check that anchor clips are securely in body panel holes, and press them in.

KICKING PLATE INNER

KICKING PLATE INNER: Removal and Installation

INFOID:0000000008274267

REMOVAL

CAUTION:

- When removing, always use a remover tool that is made of plastic to prevent damage to the parts.
- Never damage the body.

< REMOVAL AND INSTALLATION >

FRONT KICKING PLATE INNER

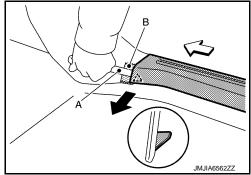
1. Disengage fixing pawls on front lower end of front kicking plate inner using a remover tool (A).

CAUTION:

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

______: Pawl

: Vehicle front

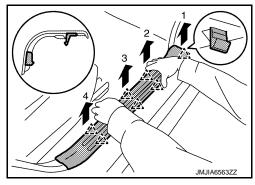


2. Lift up toward vehicle upper and disengage fixing pawls of front kicking plate inner starting from the front.

CAUTION:

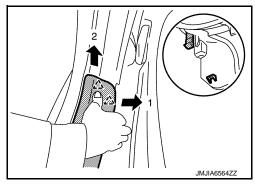
Never lift up excessively. Otherwise, rear end of front kicking plate inner may be damaged.

八:Pawl



3. Lift up lower rear end of front kicking plate inner while pulling it toward vehicle inside, disengage fixing pawls of front kicking plate inner, and then remove front kicking plate inner.

^` : Pawl



REAR KICKING PLATE INNER

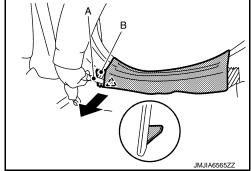
1. Remove rear seat cushion. Refer to <u>SE-26, "SEAT CUSHION: Removal and Installation"</u>.

2. Disengage fixing pawls on front lower end of rear kicking plate inner using a remover tool (A).

CAUTION:

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

_____: Pawl



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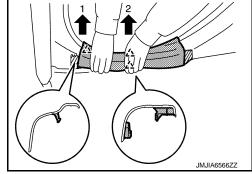
< REMOVAL AND INSTALLATION >

Lift up toward vehicle upper and disengage fixing pawls of rear kicking plate inner starting from the front.

CAUTION:

Never lift up excessively. Otherwise, rear end of rear kicking plate inner may be damaged.



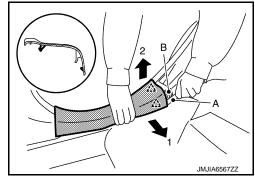


4. Using a remover tool (A), lift up lower rear end of rear kicking plate inner while disengaging a fixing pawl on lower rear end of rear kicking plate inner, disengage remaining fixing pawls, and then remove rear kicking plate inner.

CAUTION:

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





INSATALLATION

Install in the reverse order of removal.

DASH SIDE FINISHER

DASH SIDE FINISHER: Removal and Installation

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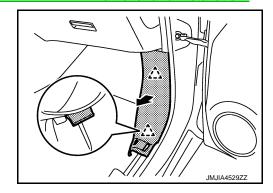
REMOVAL

CAUTION:

Never damage the body.

- 1. Remove front kicking plate inner. Refer to INT-18, "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:0000000008274269

REMOVAL

CAUTION:

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

FRONT BODY SIDE WELT

< REMOVAL AND INSTALLATION >

- 1. Remove front kicking plate inner. Refer to INT-18, "KICKING PLATE INNER: Removal and Installation".
- Remove front body side welt.

REAR BODY SIDE WELT

- 1. Remove rear kicking plate inner. Refer to INT-18, "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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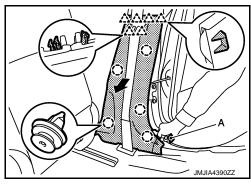
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REMOVAL

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.
- 3. Remove Front body side welt and rear body side welt. Refer to INT-20, "BODY SIDE WELT: 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.



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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 INT-21, "CENTER PILLAR LOWER GARNISH: Removal and Installation".
- 2. Remove front seat belt shoulder anchor. Refer to <u>SB-5</u>, "<u>SEAT BELT RETRACTOR</u>: Removal and <u>Installation</u>".

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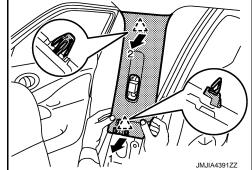
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Revision: 2014 February INT-21 2013 JUKE

< REMOVAL AND INSTALLATION >

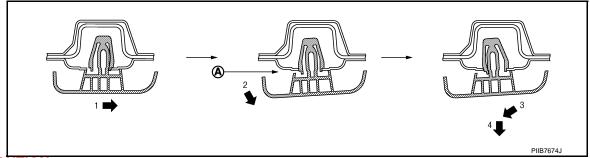
3. Disengage center pillar upper garnish lower side fixing pawl using a remover tool (A).





4. Disengage center pillar upper garnish upper side fixing clip using a remover tool (A).

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.

INATALLATION

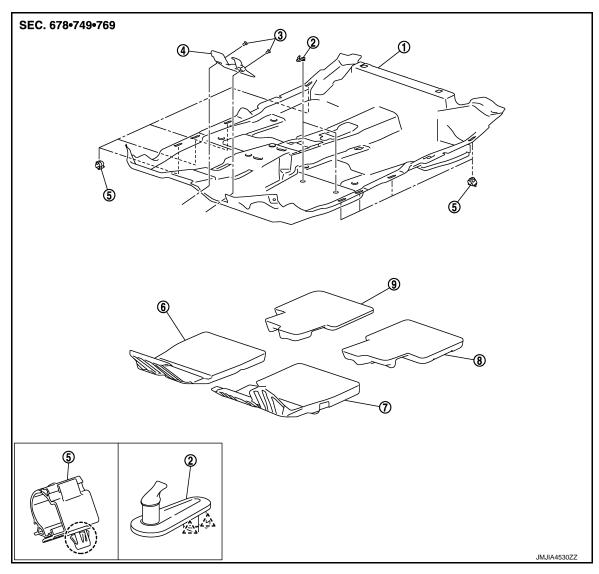
Note the following items, and install in the reverse order of removal.

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
- 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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9. Rear floor spacer RH

Removal and Installation

REMOVAL

CAUTION:

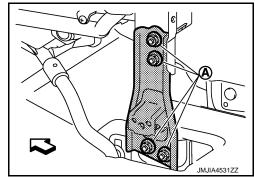
- When removing, always use a remover tool that is made of plastic.
- Never damage the body.
- 1. Remove front seat assembly (LH and RH). Refer to SE-18, "Removal and Installation".
- 2. Remove rear seat cushion. Refer to SE-26, "SEAT CUSHION: Removal and Installation".
- 3. Remove center console assembly. Refer to IP-22, "Removal and Installation".
- 4. Remove instrument stay.

FLOOR TRIM

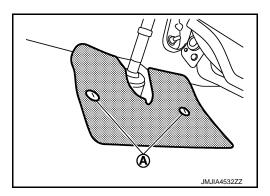
< REMOVAL AND INSTALLATION >

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



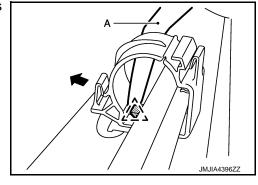


- Disconnect drain hose. Refer to HA-42, "A/C UNIT ASSEMBLY: Removal and Installation". 5.
- Remove foot ducts (LH and RH). Refer to VTL-11, "REAR HEATER DUCT 2: Removal and Installation" (Models with foot ducts).
- 7. Remove sift selector assembly
 - 6MT models: Refer to TM-20, "Removal and Installation".
 - CVT models: Refer to TM-215, "Removal and Installation".
- 8. Remove diagnosis sensor unit. Refer to <u>SR-27</u>, "Removal and Installation".
- 9. Remove parking brake lever. Refer to PB-6, "Removal and Installation".
- 10. Remove the inside key antenna (console lower). Refer to DLK-163, "CONSOLE: Removal and Installation" (Models with Intelligent Key system).
- 11. Remove center pillar lower garnish (LH and RH). Refer to INT-21, "CENTER PILLAR LOWER GARNISH: Removal and Installation".
- 12. Remove column hole cover.
 - Disengage trim clip (A), and then remove column hole cover.



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





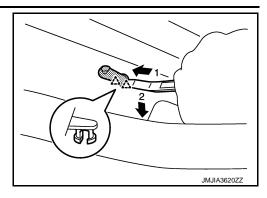
15. Remove floor carpet.

NOTE:

FLOOR TRIM

< REMOVAL AND INSTALLATION >

Disengage pawls using a remover tool (A) and remove carpet hook.



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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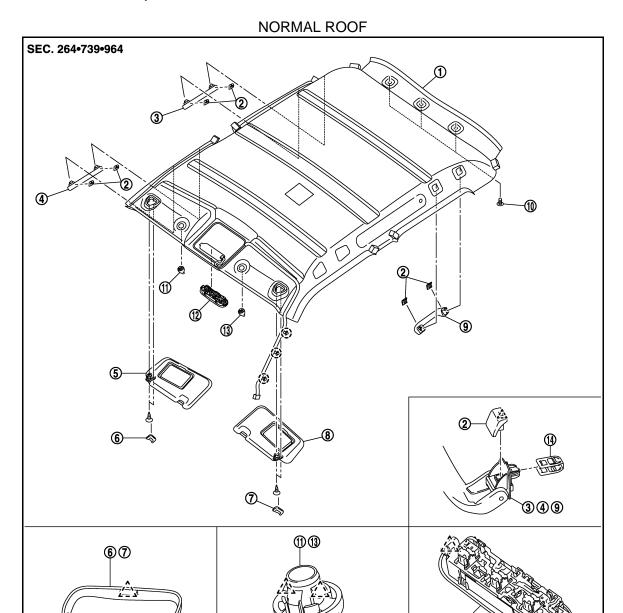
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HEADLINING NORMAL ROOF

NORMAL ROOF: Exploded View

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- 1. Headlining assembly
- 4. Front assist grip RH
- 7. Sun visor cover LH
- 10. Headlining clip
- 13. Sun visor holder LH
- (_) : Clip _^_ : Pawl

- 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

NORMAL ROOF: Removal and Installation

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REMOVAL

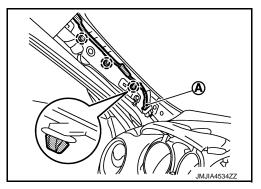
HEADLINING

< REMOVAL AND INSTALLATION >

CAUTION:

- 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-17, "FRONT PILLAR GARNISH: Removal and Installation".
- Disconnect harness connector (A) from headlining and harness 2.

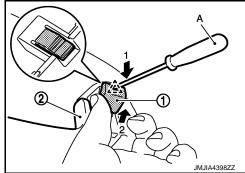
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- Remove center pillar upper garnish (LH and RH). Refer to INT-21, "CENTER PILLAR UPPER GARNISH: Removal and Installation".
- 4. Remove back door weather-strip. Refer to DLK-145, "BACK DOOR WEATHER-STRIP: Removal and Installation".
- 5. Remove luggage side upper finisher (LH and RH). Refer to INT-35, "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

2. Slide assist grip (2) forward and remove it.

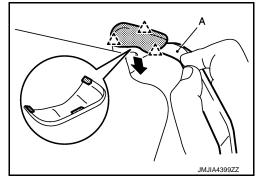


Remove metal clips.

Remove sun visor assembly (LH and RH).

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

八: Pawl



- Remove sun visor assembly fixing screw, and then remove sun visor assembly.
- Remove map lamp assembly. Refer to INL-37, "Removal and Installation".
- Remove front seat assembly (passenger). Refer to SE-18, "Removal and Installation".
- 10. Remove sun visor holder (LH and RH).

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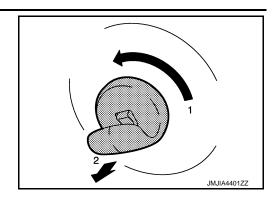
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HEADLINING

< REMOVAL AND INSTALLATION >

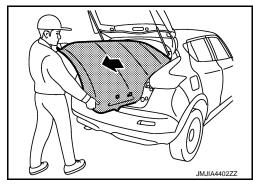
Rotate 90°. Remove toward vehicle lower.



- 11. Remove headlining clips.
- 12. 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.

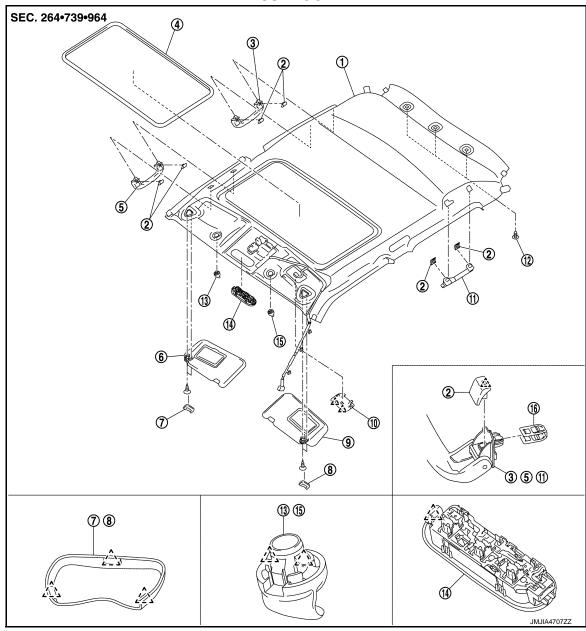
CAUTION:

- 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.

SUNROOF

SUNROOF: Exploded View

SUNROOF



- 1. Headlining assembly
- 4. Sunroof welt
- 7. Sun visor cover RH
- 10. Front roof finisher
- 13. Sun visor holder RH
- 16. Metal clip
- (_) : Clip
- h : Pawl

- 2. Assist grip clip
- 5. Front assist grip RH
- 8. Sun visor cover LH
- 11. Rear assist grip LH
- 14. Map lamp

- 3. Rear assist grip RH
- 6. Sun visor assembly RH
- 9. Sun visor assembly LH
- 12. Headlining clip
- 15. Sun visor holder LH

SUNROOF: Removal and Installation

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REMOVAL

CAUTION:

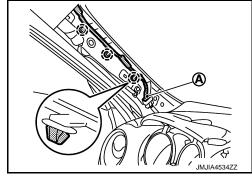
· When removing, always use a remover tool that is made of plastic.

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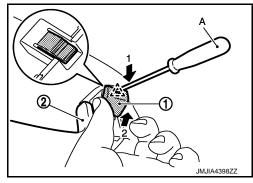
HEADLINING

< REMOVAL AND INSTALLATION >

- · Never damage the body.
- 1. Remove front pillar garnish (LH and RH). Refer to INT-17, "FRONT PILLAR GARNISH: Removal and Installation".
- 2. Disconnect harness connector (A) from headlining and harness clips
 - () : Clip

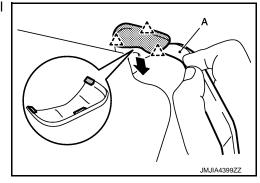


- Remove center pillar upper garnish (LH and RH). Refer to <u>INT-21, "CENTER PILLAR UPPER GARNISH: Removal and Installation"</u>.
- 4. Remove back door weather-strip. Refer to <u>DLK-145, "BACK DOOR WEATHER-STRIP : Removal and Installation"</u>.
- 5. Remove luggage side upper finisher (LH and RH). Refer to INT-35, "LUGGAGE SIDE UPPER FINISHER : Removal and Installation".
- 6. 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
 - 2. Slide assist grip (2) forward and remove it.



- Remove metal clips.
- 7. 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.





- 2. Remove sun visor assembly fixing screw, and then remove sun visor assembly.
- 8. Remove inside mirror and inside mirror cover. Refer to MIR-13, "Removal and Installation".
- 9. Remove map lamp assembly. Refer to INL-37, "Removal and Installation".
- 10. Remove sunroof welt.
- 11. Remove front roof finisher.

HEADLINING

< REMOVAL AND INSTALLATION >

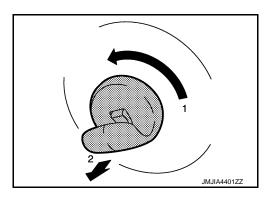
1. Disengage front roof finisher fixing pawls with a remover tool (A).



Disconnect harness connector, and then remove front roof finisher.



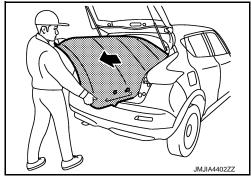
- 12. Remove front seat assembly (passenger). Refer to SE-18, "Removal and Installation".
- Remove sun visor holder (LH and RH) Rotate 90°. Remove toward vehicle lower.



- 14. Remove headlining clips.
- 15. 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.

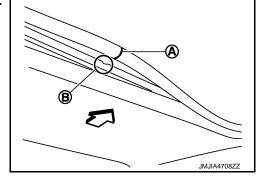


INSTALLATION

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.
- Align sunroof welt connection (A) to (B) when installing sunroof welt.



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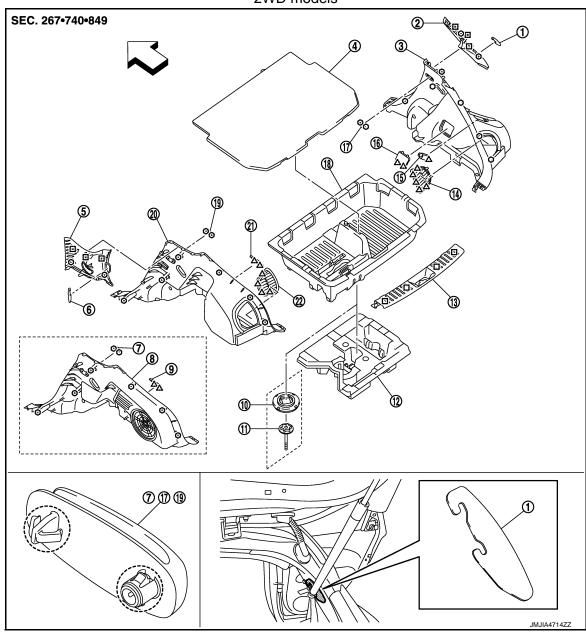
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Exploded View

2WD models



- 1. Rear pillar cap RH
- 4. Luggage floor board
- Seat belt hook LH (Models with woofer)
- Luggage floor rear center spacer (Models with spare tire)
- 13. Luggage rear plate
- 16. Shock absorber mask RH
- 19. Seat belt hook LH
- 22. Luggage side lower finisher grille LH
- (]) :Clip
- ےٰ : Pawl

- 2. Luggage side upper finisher RH
- 5. Luggage side upper finisher LH
- Luggage side lower finisher LH (Models with woofer)
- 11. Spare tire clamp (Models with spare tire)
- 14. Luggage side lower finisher grille RH 15.
- 17. Seat belt hook RH
- 20. Luggage side lower finisher LH

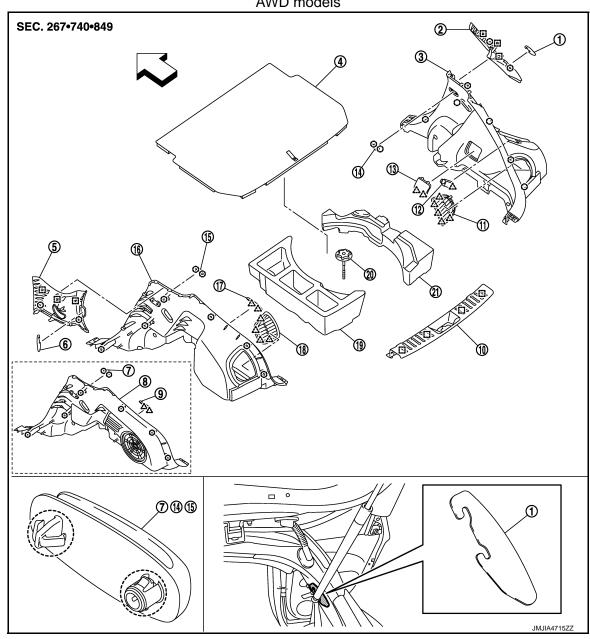
- 3. Luggage side lower finisher RH
- 6. Rear pillar cap LH
- Shock absorber mask LH (Models with woofer)
- Repair kit holder (Models without spare tire)
- 15. Luggage room lamp
- 18. Luggage floor box
- 21. Shock absorber mask LH

< REMOVAL AND INSTALLATION >

: Metal clip

⟨⇒ : Vehicle front

AWD models



- Rear pillar cap RH 1.
- Luggage floor board 4.
- Seat belt hook LH (Models with woofer)
- 10. Luggage rear plate
- Shock absorber mask RH
- 16. Luggage side lower finisher LH
- Luggage floor rear spacer LH
- :Clip

: Pawl

: Metal clip

⟨⇒ : Vehicle front

- 2. Luggage side upper finisher RH
- 5. Luggage side upper finisher LH
- Luggage side lower finisher LH (Models with woofer)
- Luggage side lower finisher grille RH 12.
- Seat belt hook RH
- Shock absorber mask LH 17.
- 20. Spare tire clamp

- Luggage side lower finisher RH 3.
- 6. Rear pillar cap LH
- 9. Shock absorber mask LH (Models with woofer)
- Luggage room lamp
- Seat belt hook LH
- Luggage side lower finisher grille LH
- 21. Luggage floor rear spacer RH

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< REMOVAL AND INSTALLATION >

LUGGAGE REAR PLATE

LUGGAGE REAR PLATE: Removal and Installation

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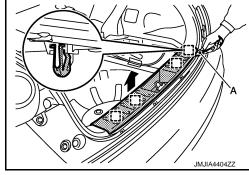
CAUTION:

- When removing, always use a remover tool that is made of plastic.
- Never damage the body.

REMOVE

- Remove back door weather-strip. Refer to <u>DLK-145</u>, "<u>BACK DOOR WEATHER-STRIP</u>: <u>Removal and Installation</u>".
- 2. Disengage luggage rear plate fixing metal clip with a remover tool (A), and then remove luggage rear plate.





INSTALLATION

Note the following items, 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

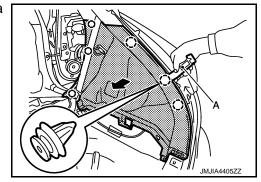
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REMOVAL

CAUTION:

- When removing, always use a remover tool that is made of plastic.
- Never damage the body.
- 1. Remove luggage room lamp. Refer to INL-40, "Removal and Installation".
- 2. Remove luggage floor board.
- 3. Remove luggage floor box (Models with 2WD).
- 4. Remove luggage rear plate. Refer to INT-34, "LUGGAGE REAR PLATE: Removal and Installation".
- 5. Remove rear body side welt. Refer to INT-20, "BODY SIDE WELT: Removal and Installation".
- 6. Remove rear seat cushion. Refer to SE-26, "SEAT CUSHION: Removal and Installation".
- 7. Remove rear seat back. Refer to SE-27, "SEATBACK: Removal and Installation".
- 8. Remove side hinge of seatback hinge. Refer to SE-32, "SEATBACK HINGE: 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.

< REMOVAL AND INSTALLATION >

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

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

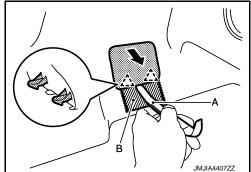
REMOVAL

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.

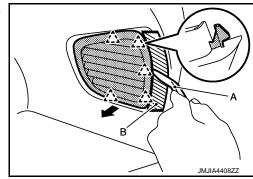
REMOVAL

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

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 INT-34, "LUGGAGE SIDE LOWER FINISHER: Removal and Installation".
- 2. Remove rear seat belt (floor) anchor bolt. Refer to SB-12, "SEAT BELT RETRACTOR: Removal and Installation".

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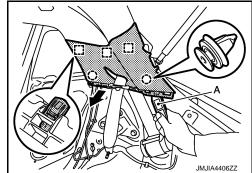
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INT-35 Revision: 2014 February 2013 JUKE

< REMOVAL AND INSTALLATION >

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

(_)	: Clip
	: Metal clip



INSTALATION

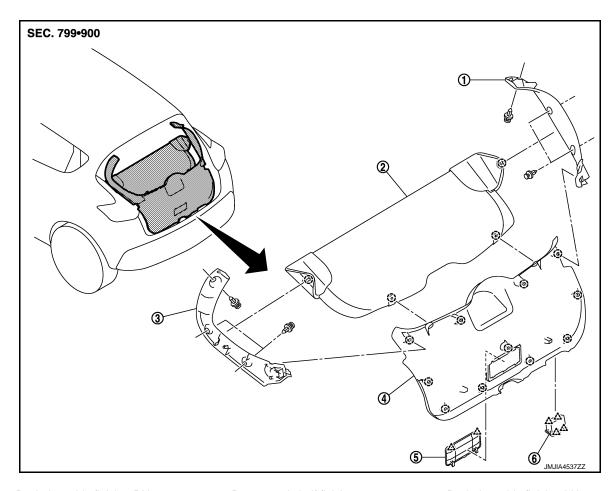
Note the following item, and install in the reverse order of removal.

CAUTION:

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

BACK DOOR TRIM

Exploded View



- 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
- 6. 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.

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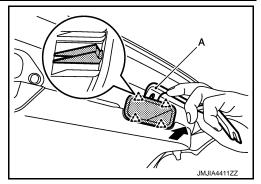
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BACK DOOR TRIM

< 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

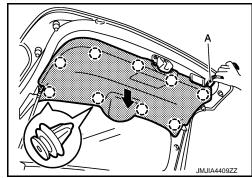
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REMOVAL

CAUTION:

- When removing, always use a remover tool that is made of plastic.
- Never damage the back door panel.
- 1. Fully open back door.
- 2. 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

INFOID:00000000008274285

REMOVAL

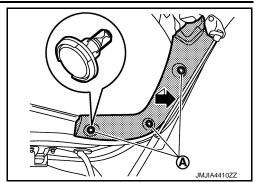
CAUTION:

- When removing, always use a remover tool that is made of plastic.
- Never damage the back door panel.
- 1. Fully open back door.
- 2. Remove back door lower finisher. Refer to INT-38, "BACK DOOR LOWER FINISHER: Removal and Installation".

BACK DOOR TRIM

< REMOVAL AND INSTALLATION >

3. Disengage back door side finisher fixing clips, 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

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REMOVAL

CAUTION:

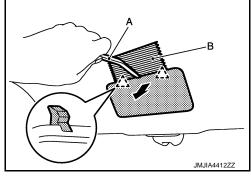
When removing, always use a remover tool that is made of plastic.

- 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.

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Revision: 2014 February INT-39 2013 JUKE