

SECTION **IP**

INSTRUMENT PANEL

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PRECAUTION

PRECAUTIONS

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

INFOID:0000000010981666

The Supplemental Restraint System such as "AIR BAG" and "SEAT BELT PRE-TENSIONER", used along with a front seat belt, helps to reduce the risk or severity of injury to the driver and front passenger for certain types of collision. Information necessary to service the system safely is included in the "SRS AIR BAG" and "SEAT BELT" of this Service Manual.

WARNING:

Always observe the following items for preventing accidental activation.

- To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision that would result in air bag inflation, all maintenance must be performed by an authorized NISSAN/INFINITI dealer.
- Improper maintenance, including incorrect removal and installation of the SRS, can lead to personal injury caused by unintentional activation of the system. For removal of Spiral Cable and Air Bag Module, see "SRS AIR BAG".
- Never use electrical test equipment on any circuit related to the SRS unless instructed to in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harnesses or harness connectors.

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

WARNING:

Always observe the following items for preventing accidental activation.

- When working near the Air Bag Diagnosis Sensor Unit or other Air Bag System sensors with the ignition ON or engine running, never use air or electric power tools or strike near the sensor(s) with a hammer. Heavy vibration could activate the sensor(s) and deploy the air bag(s), possibly causing serious injury.
- When using air or electric power tools or hammers, always switch the ignition OFF, disconnect the battery, and wait at least 3 minutes before performing any service.

Precaution Necessary for Steering Wheel Rotation After Battery Disconnect

INFOID:0000000010981667

CAUTION:

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

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

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

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

OPERATION PROCEDURE

1. Connect both battery cables.

NOTE:

Supply power using jumper cables if battery is discharged.

2. Open driver door.
3. Turn the ignition switch to the ON position.
(At this time, the steering lock will be released.)
4. Turn the ignition switch to OFF position with driver door open.
5. Wait for 3 minutes or longer with driver door open.

NOTE:

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

PRECAUTIONS

[LHD MODELS]

< PRECAUTION >

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

Precautions for Removing Battery Terminal

INFOID:000000010981703

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

NOTE:

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

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

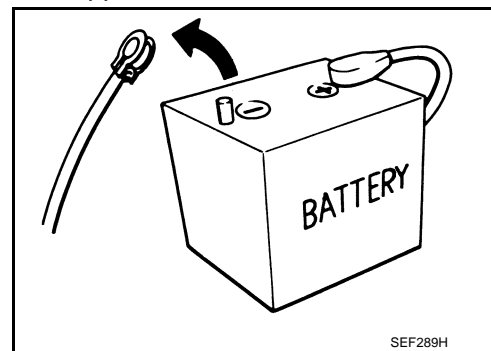
NOTE:

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

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

NOTE:

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



HOW TO DISCONNECT 12V BATTERY TERMINAL

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

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

INSTRUCTION 1

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

D4D engine	: 20 minutes
HRA2DDT	: 12 minutes
K9K engine	: 4 minutes
M9R engine	: 4 minutes
R9M engine	: 4 minutes
V9X engine	: 4 minutes

CAUTION:

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

5. Remove 12V battery terminal.

CAUTION:

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

INSTRUCTION 2 (FOR VEHICLES PARKED BY IGNITION SWITCH OFF)

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

PRECAUTIONS

< PRECAUTION >

[LHD MODELS]

NOTE:

At this moment, ACC power is supplied.

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

CAUTION:

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

6. Remove 12V battery terminal.

CAUTION:

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

Service

INFOID:0000000010981669

- Disconnect battery negative terminal in advance.
- Disconnect air bag system line in advance.
- Never tamper with or force air bag lid open, as this may adversely affect air bag performance.
- Be careful not to scratch pad and other parts.
- When removing or disassembling any part, be careful not to damage or deform it. Protect parts, that may get in the way with a shop cloth.
- When removing parts with a screwdriver or other tool, cover the tool surface with vinyl tape to protect parts.
- Keep removed parts protected with a shop cloth.
- If a clip is deformed or damaged, replace it.
- If an unreusable part is removed, replace it with a new one.
- Tighten bolts and nuts firmly to the specified torque.
- After reassembly is complete, check that each part functions correctly.
- Remove stains via the following procedure.

Water-soluble stains:

Dip a soft cloth in warm water, and then squeeze it tightly. After wiping off the stain, wipe with a soft dry cloth.

Oil stain:

Dissolve a synthetic detergent in warm water (density of 2 to 3%), dip the cloth, then wipe off the stain with the cloth. Next, dip the cloth in fresh water and squeeze it tightly. Then wipe off the detergent completely. Then wipe the area with a soft dry cloth.

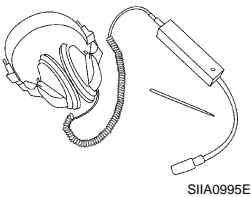
- Never use any organic solvent, such as thinner or benzene.

PREPARATION

PREPARATION

Commercial Service Tools

INFOID:0000000010981670

Tool name	Description
Engine ear  SIIA0995E	Locates the noise

- A
- B
- C
- D
- E
- F
- G
- H
- I
- IP
- K
- L
- M
- N
- O
- P

CLIP LIST

< PREPARATION >

[LHD MODELS]

CLIP LIST

Clip List

INFOID:000000010981671

Shapes	Removal & Installation		Shapes	Removal & Installation	
	Removal: Remove by bending up with flat-bladed screwdrivers or clip remover.			Removal: 	
	Removal: Remove with a clip remover.			Removal: Flat-bladed screwdriver Finisher	
	Removal: Push center pin to catching position. (Do not remove center pin by hitting it.)	Installation: 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.			Removal: 1. Screw out with a Phillips screwdriver. 2. Remove female portion with flat-bladed screwdriver.	
	Removal: 			Removal: 	Installation:
	Removal: 			Removal: 	

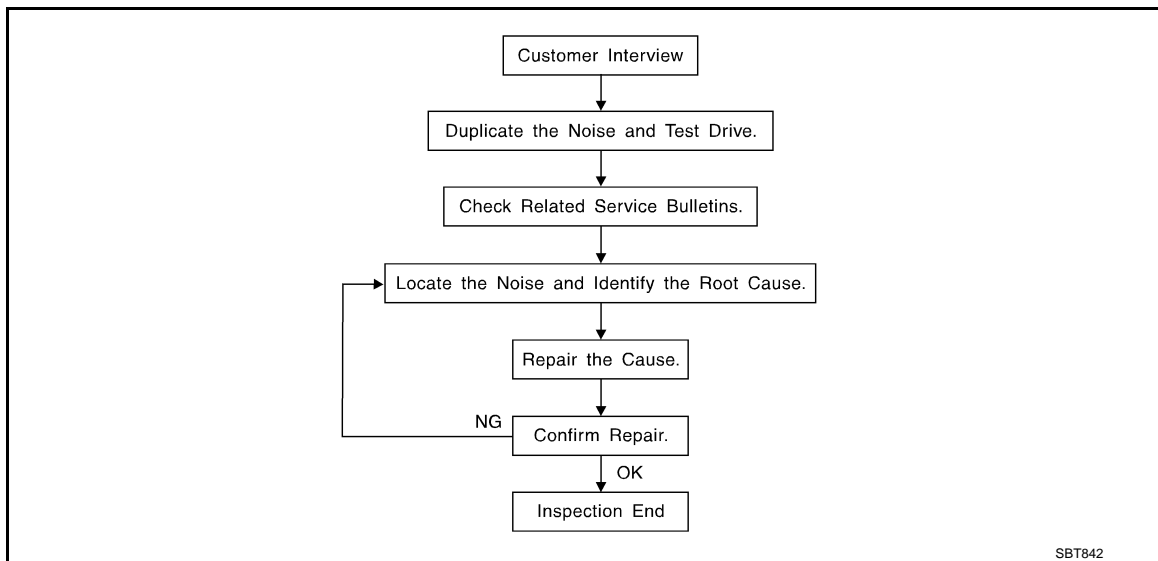
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SYMPTOM DIAGNOSIS

SQUEAK AND RATTLE TROUBLE DIAGNOSES

Work Flow

INFOID:0000000010981672



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 [IP-11, "Diagnostic Worksheet"](#). This information is necessary to duplicate the conditions that exist when the noise occurs.

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

DUPLICATE THE NOISE AND TEST DRIVE

SQUEAK AND RATTLE TROUBLE DIAGNOSES

[LHD MODELS]

< 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 [IP-9, "Inspection Procedure"](#).

REPAIR THE CAUSE

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

CAUTION:

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

NOTE:

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

CONFIRM THE REPAIR

SQUEAK AND RATTLE TROUBLE DIAGNOSES

< SYMPTOM DIAGNOSIS >

[LHD MODELS]

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

Inspection Procedure

INFOID:0000000010981673

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

INSTRUMENT PANEL

Most incidents are caused by contact and movement between:

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

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

CAUTION:

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

CENTER CONSOLE

Components to pay attention to include:

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

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

DOORS

Pay attention to the following:

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

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

TRUNK

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

In addition look for the following:

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

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

SUNROOF/HEADLINING

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

1. Sunroof lid, rail, linkage or seals making a rattle or light knocking noise
2. Sunvisor shaft shaking in the holder
3. Front or rear windshield touching headlining and squeaking

SQUEAK AND RATTLE TROUBLE DIAGNOSES

[LHD MODELS]

< SYMPTOM DIAGNOSIS >

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

SEATS

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

Cause of seat noise include:

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

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

UNDERHOOD

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

Causes of transmitted underhood noise include:

1. Any component mounted to the engine wall
2. Components that pass through the engine wall
3. Engine wall mounts and connectors
4. Loose radiator mounting pins
5. Hood bumpers out of adjustment
6. Hood striker out of adjustment

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

SQUEAK AND RATTLE TROUBLE DIAGNOSES

< SYMPTOM DIAGNOSIS >

[LHD MODELS]

Diagnostic Worksheet

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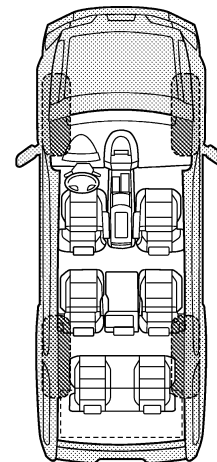
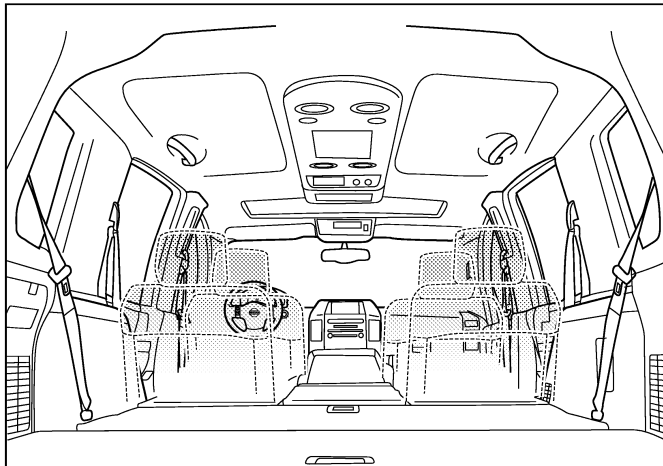
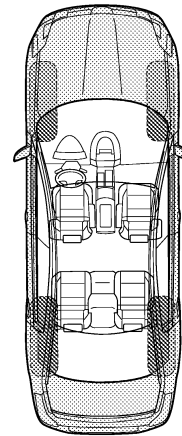
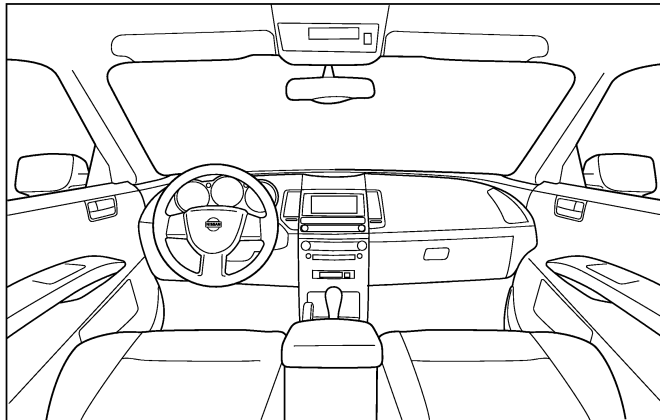
SQUEAK & RATTLE DIAGNOSTIC WORKSHEET

Dear Nissan Customer:

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

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

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



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

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SQUEAK AND RATTLE TROUBLE DIAGNOSES

< SYMPTOM DIAGNOSIS >

[LHD MODELS]

SQUEAK & RATTLE DIAGNOSTIC WORKSHEET - page 2

Briefly describe the location where the noise occurs:

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

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

III. WHEN DRIVING:

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

IV. WHAT TYPE OF NOISE

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

TO BE COMPLETED BY DEALERSHIP PERSONNEL

Test Drive Notes:

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

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

This form must be attached to Work Order

PIIB8742E

INSTRUMENT PANEL ASSEMBLY

< REMOVAL AND INSTALLATION >

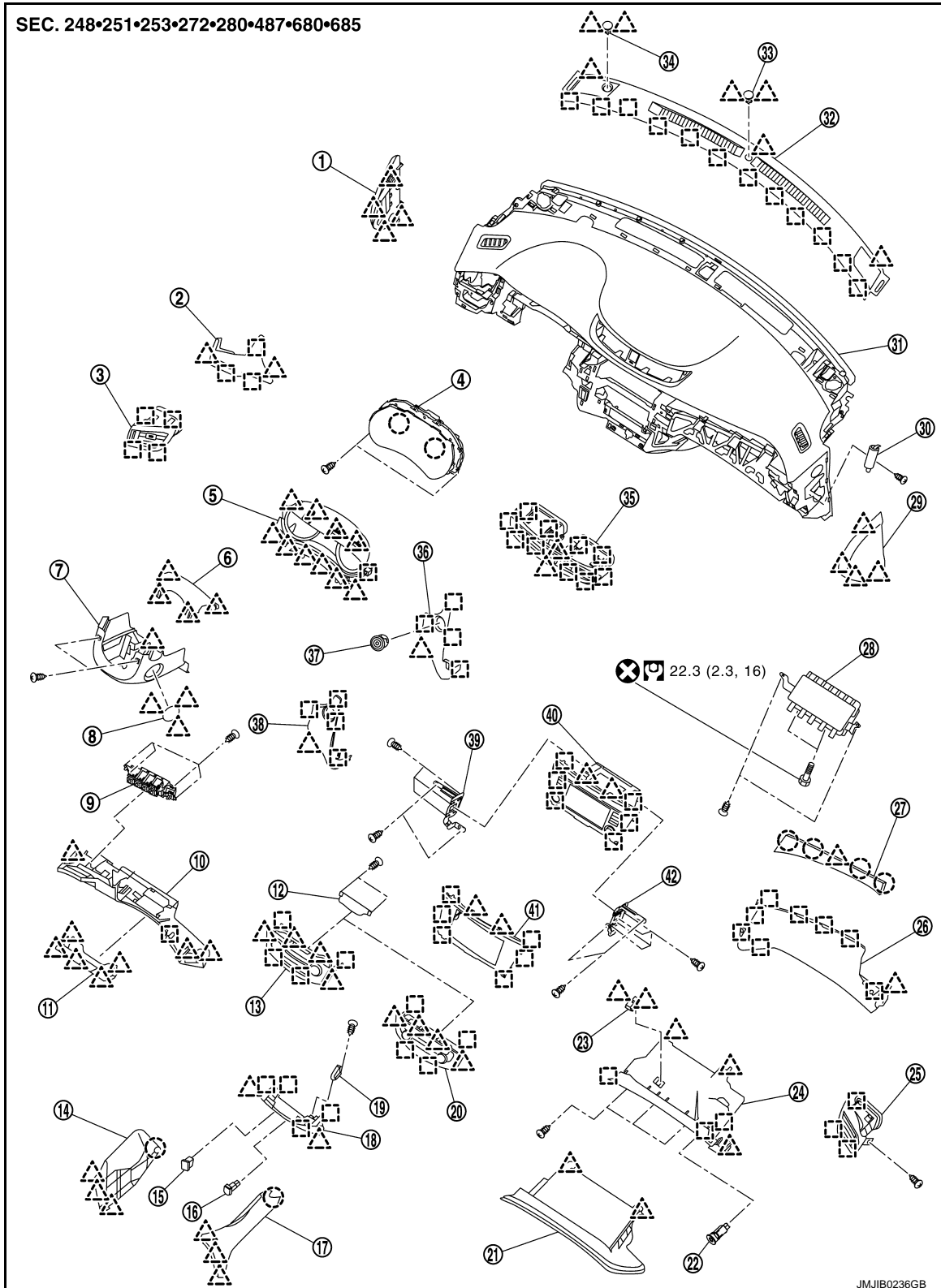
[LHD MODELS]

REMOVAL AND INSTALLATION

INSTRUMENT PANEL ASSEMBLY

Exploded View

INFOID:000000010981675





INSTRUMENT PANEL ASSEMBLY


< REMOVAL AND INSTALLATION >


[LHD MODELS]


- | | | |
|--|---|--|
| ① Instrument mask LH | ② Instrument finisher A | ③ Side ventilator grille LH |
| ④ Combination meter | ⑤ Cluster lid A | ⑥ Steering column cover upper |
| ⑦ Steering column cover lower | ⑧ Ignition switch cover | ⑨ Switch panel |
| ⑩ Instrument lower panel LH | ⑪ Fuse block | ⑫ Warning lamp mask |
| ⑬ A/C control
(automatic air conditioning) | ⑭ Instrument lower cover LH | ⑮ Power socket |
| ⑯ USB connector and AUX jack | ⑰ Instrument lower cover RH | ⑱ Instrument lower panel center |
| ⑲ In-vehicle sensor
(automatic air conditioning) | ⑳ A/C control (A/C amp.)
(manual air conditioning) | ㉑ Glove box |
| ㉒ Air bag cutoff switch | ㉓ Glove box lamp assembly | ㉔ Glove box cover |
| ㉕ Side ventilator grille RH | ㉖ Instrument upper panel assembly | ㉗ Instrument finisher B |
| ㉘ Passenger air bag module | ㉙ Instrument mask RH | ㉚ Glove box damper |
| ㉛ Instrument panel assembly | ㉜ Instrument garnish | ㉝ Sunload sensor (if equipped) |
| ㉞ Switch panel A | ㉟ Center ventilator grille | ㊱ Instrument finisher E
(with Intelligent Key System) |
| ㊲ Push-button ignition switch
(with Intelligent Key System) | ㊳ Instrument finisher E
(without Intelligent Key System) | ㊴ Audio bracket LH |
| ㊵ Audio unit
(audio system without NAVI)
NAVI control unit
(audio system with NAVI) | ㊶ Cluster lid C
(without audio system) | ㊷ Audio bracket RH |

 : Clip

 : Pawl

 : Metal clip

 : Always replace after every disassembly.

 : N-m (kg-m, ft-lb)

Removal and Installation

INFOID:0000000010981676

WORK STEP

When removing instrument panel assembly, combination meter and audio unit or AV control unit take steps in the order shown by the numbers below.

PARTS	INSTRUMENT PANEL ASSEMBLY	COMBINATION METER	AUDIO UNIT OR NAVI CONTROL UNIT
Center console assembly	[1]		
A/C control (automatic air conditioning) A/C control (A/C amp.) (manual air conditioning)	[2]	[1]	[1]
Instrument lower panel center	[3]		
Instrument finisher E	[4]	[2]	[2]
Glove box	[5]		
Instrument mask RH	[6]		[3]
Glove box cover	[7]		[4]
Side ventilator grille RH	[8]		[5]
Instrument finisher B	[9]		[6]
Instrument upper panel assist	[10]		[7]
Audio unit or NAVI control unit (with audio system)	[11]		[8]

INSTRUMENT PANEL ASSEMBLY

< REMOVAL AND INSTALLATION >

[LHD MODELS]

Cluster lid C (without audio system)	[12]			A
Instrument mask LH	[13]	[3]		
Fuse block lid	[14]	[4]		
Hood lock control handle	[15]	[5]		B
instrument lower panel LH	[16]	[6]		
Side ventilator grille LH	[17]	[7]		
Instrument finisher A	[18]	[8]		C
Cluster lid A	[19]	[9]		
Combination meter	[20]	[10]		
Sunload sensor (if equipped)	[21]			D
Front pillar garnish LH and RH	[22]			
Instrument garnish	[23]			E
Center ventilator grille	[24]			
Driver air bag module	[25]			F
Steering wheel	[26]			
Steering column cover	[27]			
Spiral cable	[28]			G
Steering angle sensor (if equipped)	[29]			
Combination switch	[30]			
Passenger air bag module mounting bolt	[31]			H
Passenger air bag module harness connector	[32]			
Instrument panel assembly	[33]			I

[]: Number indicates step in removal procedure.

WARNING:

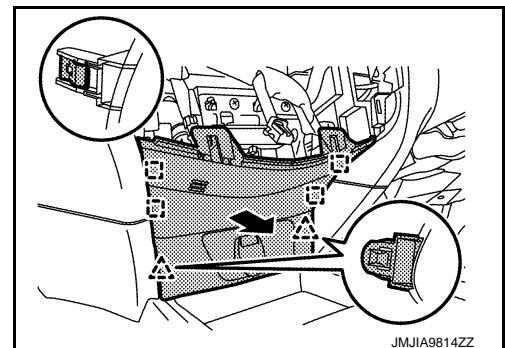
Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait for 3 minutes or more.

REMOVAL

CAUTION:

- When removing, always use a remover tool that is made of plastic.
 - Always apply the parking brake before performing removal and installation.
1. Remove center console assembly. Refer to [IP-25. "Removal and Installation"](#).
 2. Remove A/C control (automatic air conditioning) or A/C control (A/C amp.) (manual air conditioning). Refer to [HAC-125. "Removal and Installation"](#) (automatic air conditioning) or [HAC-222. "Removal and Installation"](#) (manual air conditioning)
 3. Remove instrument lower panel center.
 - a. Disengage fixing pawls and metal clips, and then remove instrument lower panel center.

△ : Pawl
□ : Metal clip



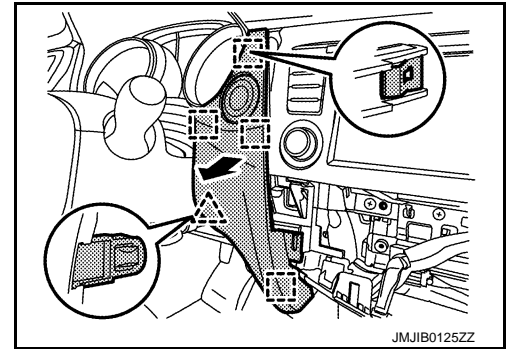
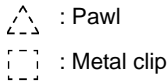
- b. Disconnect harness connector and aspirator duct (if equipped).
4. Remove instrument finisher E.

INSTRUMENT PANEL ASSEMBLY

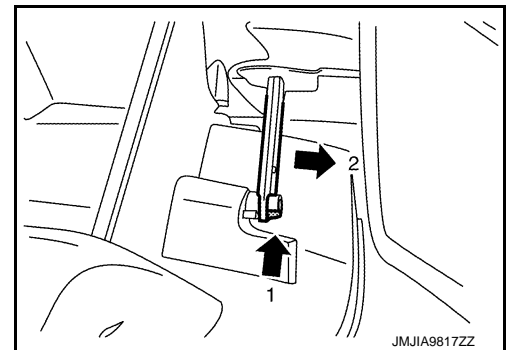
< REMOVAL AND INSTALLATION >

[LHD MODELS]

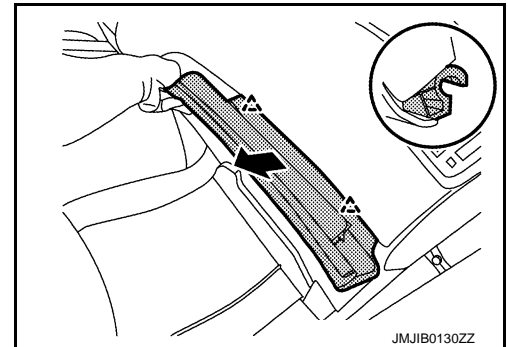
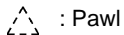
- a. Disengage fixing metal clips and pawl, and then remove instrument finisher E.



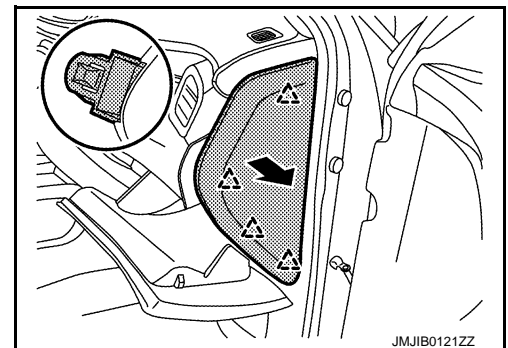
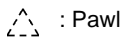
- b. Remove push-button ignition switch harness connector. (with Intelligent Key System)
c. Remove the following part after removing instrument finisher E. (with Intelligent Key System)
Push-button ignition switch: Refer to [PCS-116. "Removal and Installation"](#)
5. Remove glove box.
a. Disengage glove box damper arm from glove box according to the numerical order 1→2 indicated by arrows as shown in the figure.



- b. Open the glove box approximately 50 mm.
c. Pull up glove box toward the direction of arrow as shown in the figure to disengage pawls from instrument panel.



6. Disengage fixing pawls, and then remove instrument mask RH.



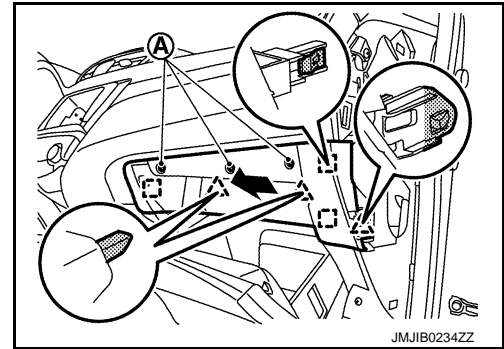
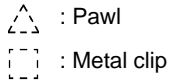
7. Remove glove box cover.

INSTRUMENT PANEL ASSEMBLY

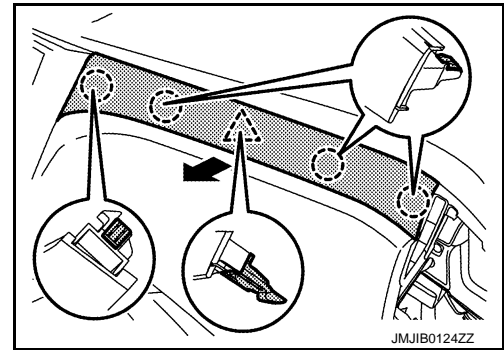
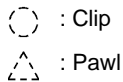
< REMOVAL AND INSTALLATION >

[LHD MODELS]

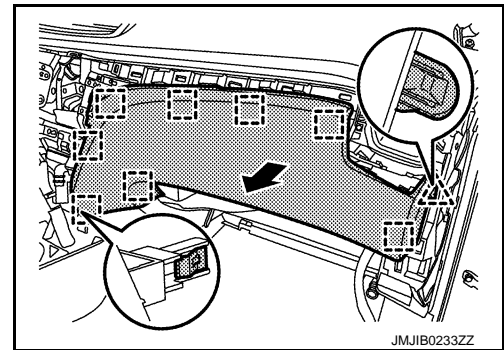
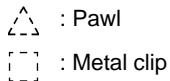
- a. Remove fixing screws (A).
- b. Disengage fixing metal clips and pawls, and then remove glove box cover by arrow as shown in the figure.



- c. Disconnect glove box lamp harness connector.
- d. Remove the following part after removing glove box.
 - Glove box lamp: Refer to [INL-82, "Exploded View"](#).
 - Air bag cutoff switch: refer to [SR-35, "Removal and Installation"](#).
8. Remove side ventilator grille RH. Refer to [VTL-12, "SIDE DEFROSTER GRILLE : Removal and Installation"](#).
9. Disengage fixing clips and pawl, and then remove instrument finisher B.



10. Disengage fixing metal clips and pawls, and then remove instrument upper panel assist.



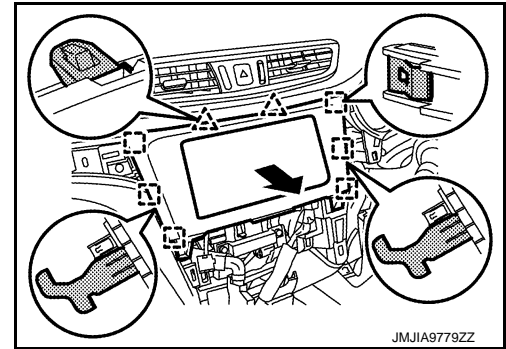
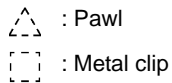
11. Remove audio unit or AV control unit. Refer to the following. (with audio system)
 - Audio unit: Refer to [AV-51, "Removal and Installation"](#) (BASE AUDIO).
 - NAVI control unit: Refer to [AV-262, "Removal and Installation"](#) (WITH NAVIGATION).

INSTRUMENT PANEL ASSEMBLY

[LHD MODELS]

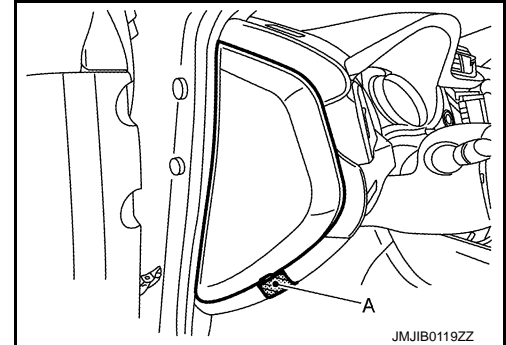
< REMOVAL AND INSTALLATION >

12. Disengage fixing pawls and metal clips, and then remove cluster lid C by arrow as shown in the figure. (without audio system)

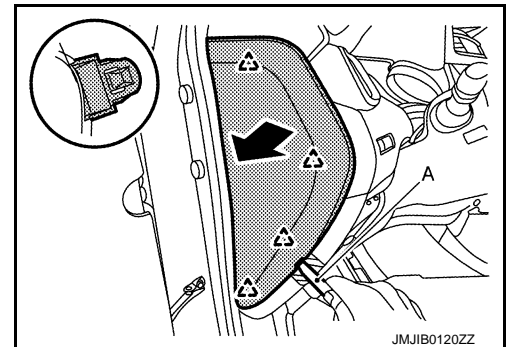
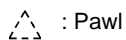


13. Remove instrument mask LH.

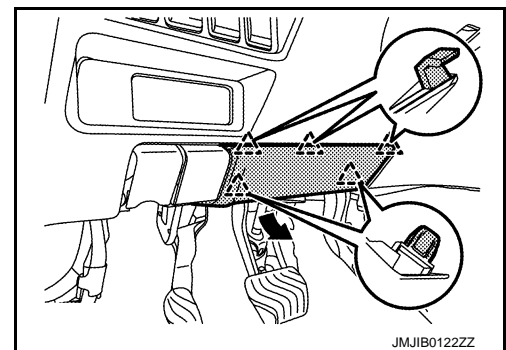
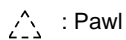
- a. Apply protective tape (A) on the part to protect it from damage.



- b. Disengage fixing pawls using remover tool (A), and then remove instrument mask.



14. Disengage fixing pawls, and then remove fuse block lid by arrow as shown in the figure.



15. Remove hood lock control handle. Refer to [DLK-607, "HOOD LOCK CONTROL HANDLE : Removal and Installation"](#) (with Intelligent Key system) or [DLK-912, "HOOD LOCK CONTROL HANDLE : Removal and Installation"](#) (without Intelligent Key system).

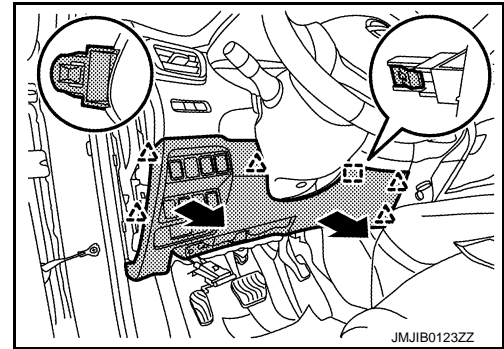
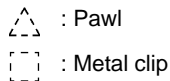
16. Remove instrument lower panel LH.

INSTRUMENT PANEL ASSEMBLY

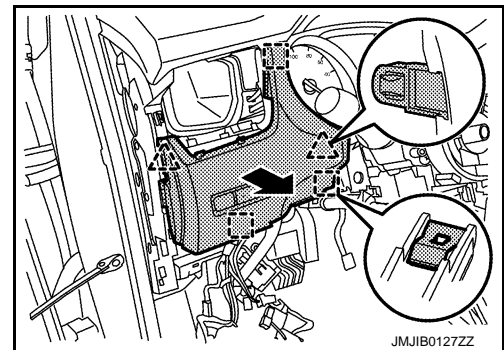
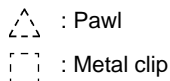
< REMOVAL AND INSTALLATION >

[LHD MODELS]

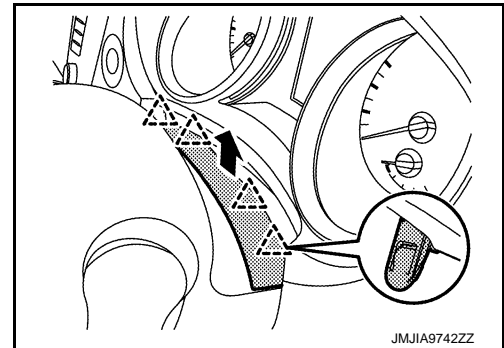
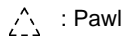
- a. Disengage fixing metal clip and pawls, and then remove instrument lower panel LH.



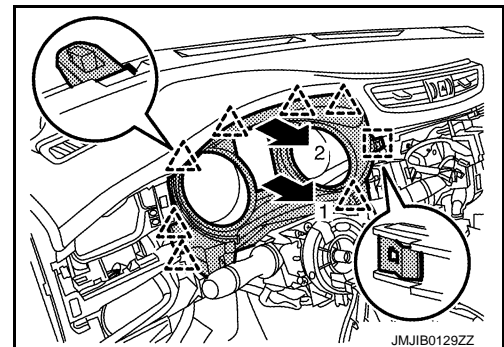
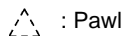
- b. Disconnect harness connectors, harness clips and data link connector from instrument lower panel LH.
17. Remove side ventilator grille LH. Refer to [VTL-12, "SIDE DEFROSTER GRILLE : Removal and Installation"](#).
18. Remove instrument finisher A.
- a. Disengage fixing pawls and metal clips, and then remove instrument finisher A.



- b. Disconnect harness connector from instrument finisher A.
19. Remove cluster lid A.
- a. Move to the position of tilt down and telescopic pull the steering wheel.
- b. Disengage fixing pawls, and then remove skirt portion of cluster lid A.



- c. Disengage fixing pawls and metal clip, and then remove cluster lid A according to numerical order 1→2 indicated by arrows as shown in the figure.



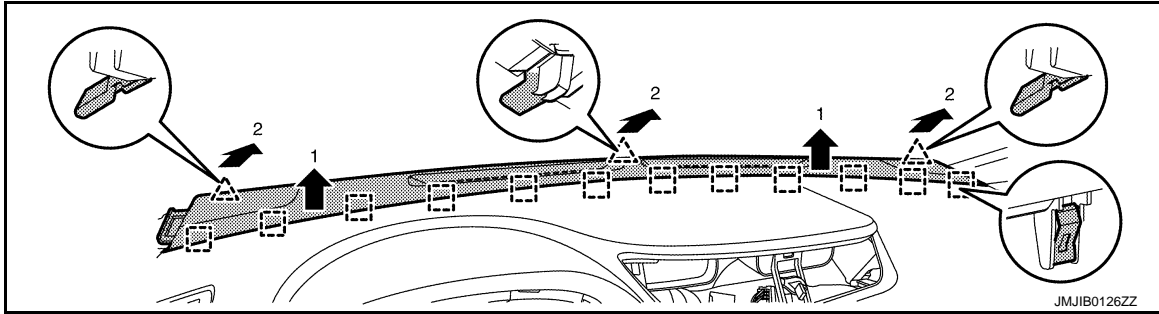
20. Remove combination meter. Refer to [MWI-151, "Removal and Installation"](#).
21. Remove sunload sensor. Refer to [HAC-129, "Removal and Installation"](#) (automatic air conditioning). (if equipped)

INSTRUMENT PANEL ASSEMBLY

< REMOVAL AND INSTALLATION >

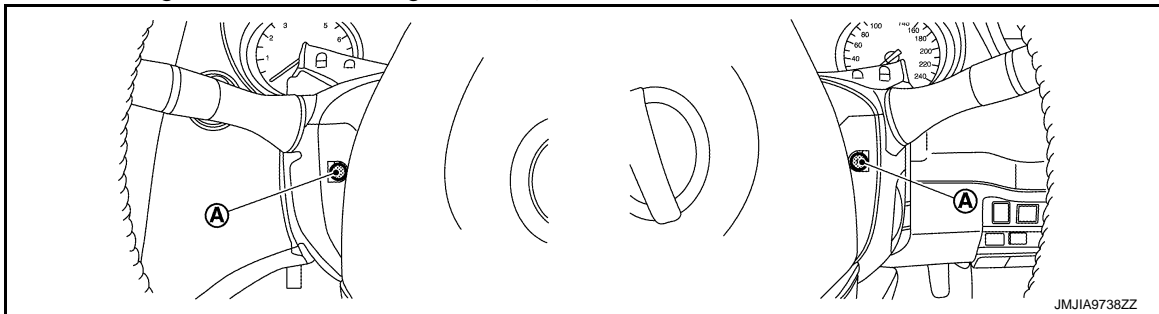
[LHD MODELS]

22. Remove front pillar garnish LH and RH. Refer to [INT-23. "FRONT PILLAR GARNISH : Removal and Installation"](#).
23. Disengage fixing pawls and metal clips, and then remove instrument garnish according to numerical order 1→2 indicated by arrows as shown in the figure.

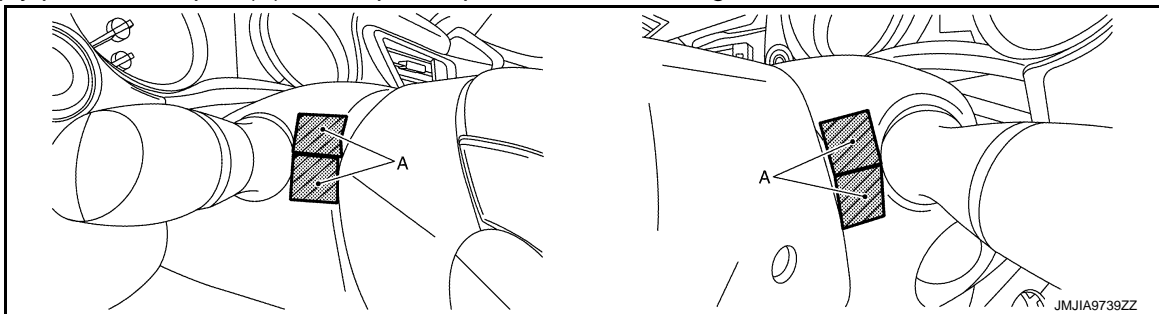


△ : Pawl
□ : Metal clip

24. Remove center ventilator grille. Refer to [VTL-8. "CENTER VENTILATOR GRILLE : Removal and Installation"](#).
25. Remove driver air bag module. Refer to [SR-19. "Removal and Installation"](#).
26. Remove steering wheel. Refer to [ST-12. "Removal and Installation"](#).
27. Remove steering column cover.
- a. Remove steering column cover fixing screws (A).

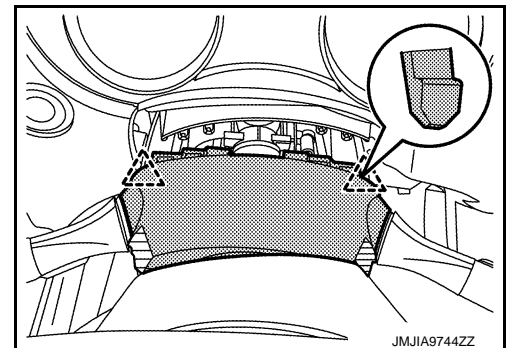


- b. Apply protective tapes (A) on the part to protect it from damage.



- c. Disengage fixing pawls from steering column cover front side.

△ : Pawl

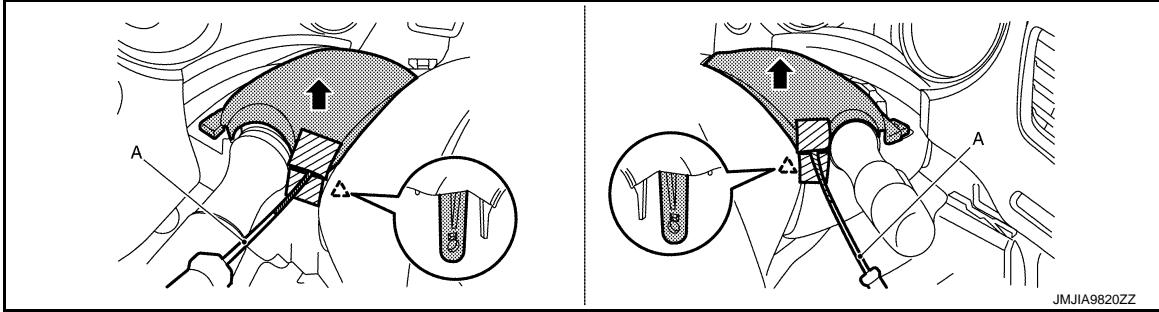


INSTRUMENT PANEL ASSEMBLY

< REMOVAL AND INSTALLATION >

[LHD MODELS]

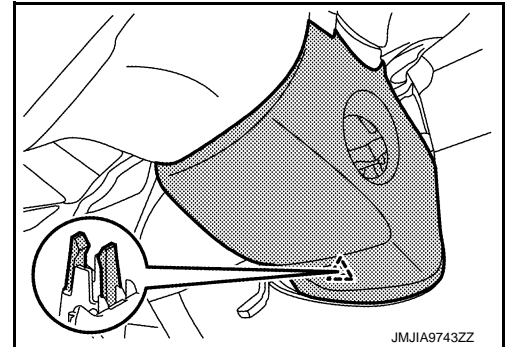
- d. Disengage fixing pawls using a remover tool (A), and then remove steering column cover upper by arrow as shown in the figure.



△ : Pawl

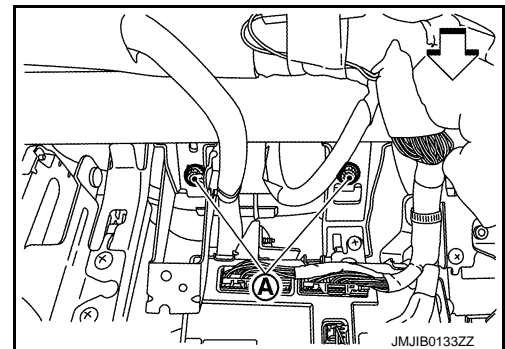
- e. Disengage fixing pawl, and then remove steering column cover lower.

△ : Pawl

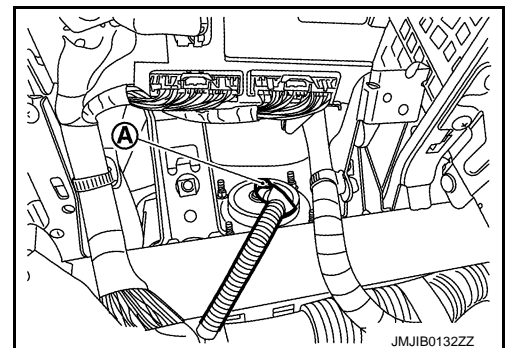


28. Remove spiral cable. Refer to [SR-23. "Removal and Installation"](#).
 29. Remove steering angle sensor. Refer to [BRC-222. "Removal and Installation"](#). (if equipped)
 30. Remove combination switch. Refer to [BCS-122. "Removal and Installation"](#)
 31. Remove passenger air bag module mounting bolts (A).

← : Vehicle front



32. Disconnect passenger air bag module harness connector (A).



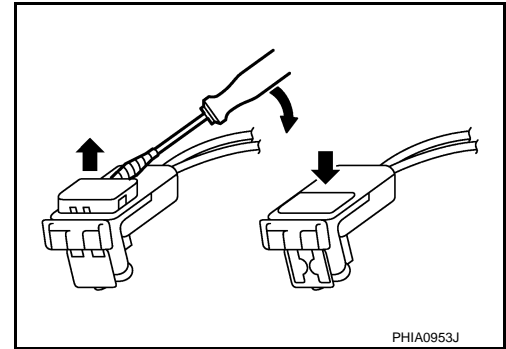
CAUTION:

INSTRUMENT PANEL ASSEMBLY

< REMOVAL AND INSTALLATION >

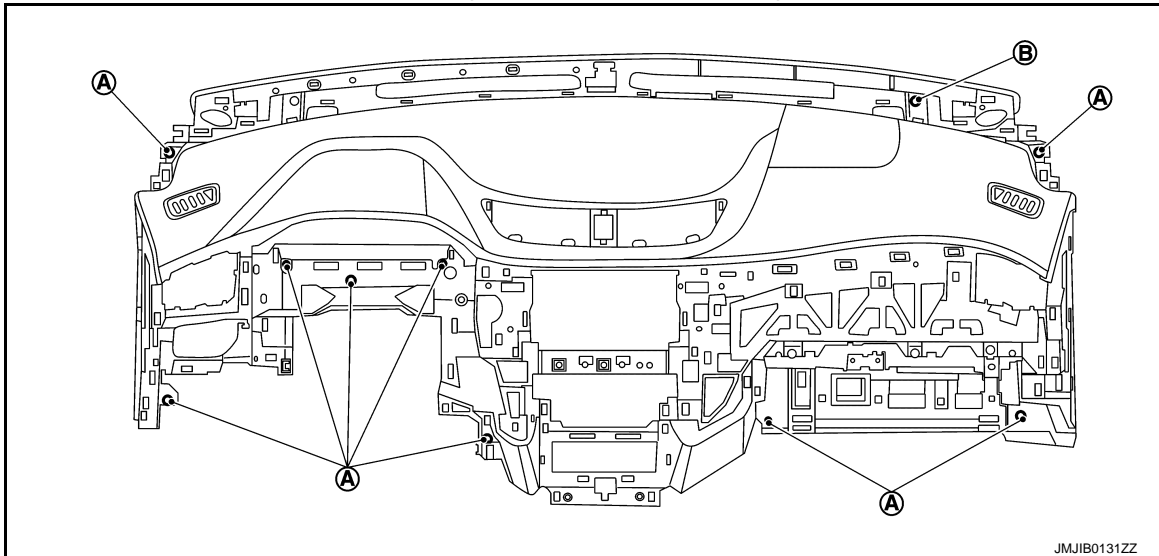
[LHD MODELS]

- For installing/removing the passenger air bag module harness connector, insert a thin screwdriver wrapped in tape into notch, lift lock and remove the connector.
- Install the connector with lock raised, and push lock into the connector.
- After installing the connector, check that the lock is pushed securely into it.



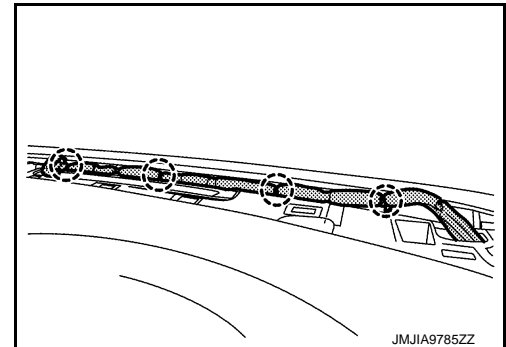
33. Remove instrument panel assembly.

a. Remove instrument panel assembly fixing screws (A) and mounting bolt (B).



b. Disengage sunload sensor harness fixing clips. (if equipped)

○ : Clip



- c. Disconnect harness connectors of front pillar LH and RH portions.
- d. Disengage harness fixing clips and remove harness from instrument panel assembly.
- e. Remove instrument panel assembly from passenger door opening portion.

CAUTION:

- Cover shift selector upper surface with a shop cloth to prevent it from being damaged.
- When removing instrument panel assembly, 2 workers are required to prevent it from dropping.

34. Remove the following parts after removing instrument panel assembly.

- Passenger air bag module: Refer to [SR-26, "Removal and Installation"](#).
- Center ventilator duct: Refer to [VTL-10, "CENTER VENTILATOR DUCT : Removal and Installation"](#).
- Side defroster grille (LH and RH): Refer to [VTL-12, "SIDE DEFROSTER GRILLE : Removal and Installation"](#).
- Side defroster nozzle (LH and RH): Refer to [VTL-11, "SIDE DEFROSTER NOZZLE : Removal and Installation"](#).

INSTALLATION

INSTRUMENT PANEL ASSEMBLY

< REMOVAL AND INSTALLATION >

[LHD MODELS]

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

CAUTION:

- Never use the steering wheel mounting bolt after removal, replace with the new bolt.
- Never use the passenger air bag module mounting bolts after removal, replace with the new bolts.

A
B
C
D
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CENTER CONSOLE ASSEMBLY

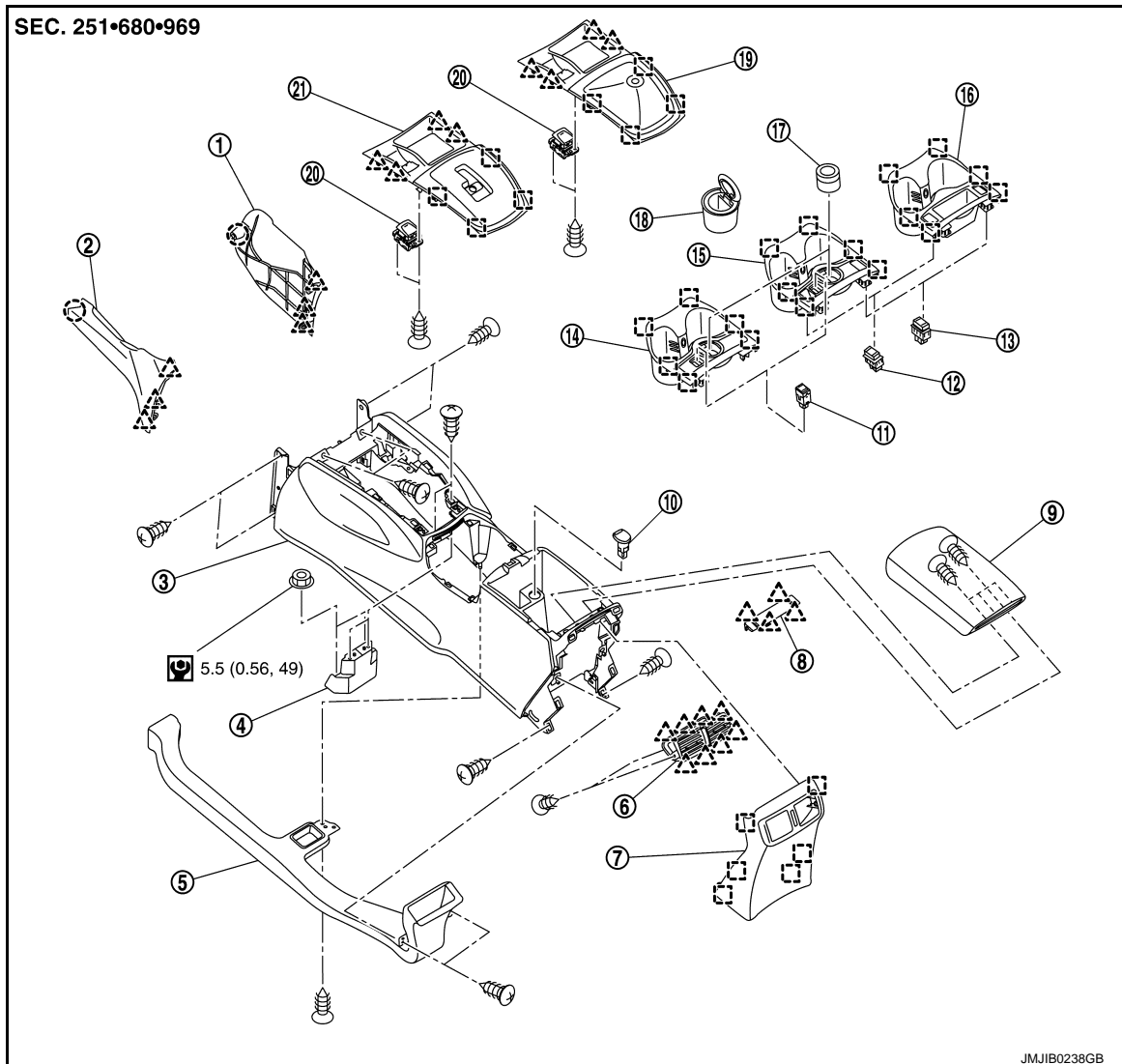
< REMOVAL AND INSTALLATION >

[LHD MODELS]

CENTER CONSOLE ASSEMBLY

Exploded View

INFOID:000000010981700



- | | | |
|---------------------------------------|---|--|
| ① Instrument lower cover RH | ② Instrument lower cover LH | ③ Center console assembly |
| ④ Console bracket (M/T models) | ⑤ Rear ventilator duct 2 (if equipped) | ⑥ Rear ventilator grille (if equipped) |
| ⑦ Console rear finisher | ⑧ Console mask | ⑨ Console lid |
| ⑩ Power socket (if equipped) | ⑪ Hill descent control switch (if equipped) | ⑫ Heated seat switch LH (if equipped) |
| ⑬ Heated seat switch RH (if equipped) | ⑭ Console switch panel | ⑮ Console switch panel |
| ⑯ Console switch panel | ⑰ 4WD mode switch (if equipped) | ⑱ Ashtray |
| ⑲ Console boot assembly (M/T models) | ⑳ Parking brake switch | ㉑ A/T console finisher (CVT models) |

⬡ : Clip

⬠ : Pawl

⬢ : Metal clip

CENTER CONSOLE ASSEMBLY

< REMOVAL AND INSTALLATION >

[LHD MODELS]

INFOID:000000010981701

Removal and Installation

WARNING:

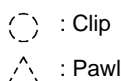
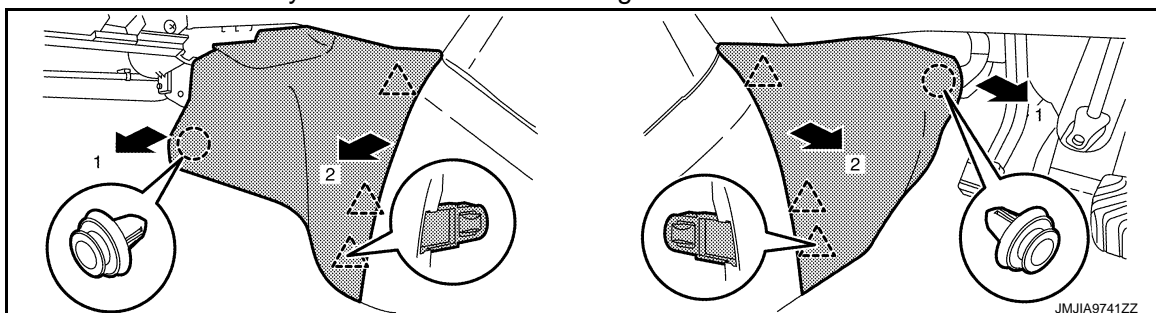
Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait for 3 minutes or more.

REMOVAL

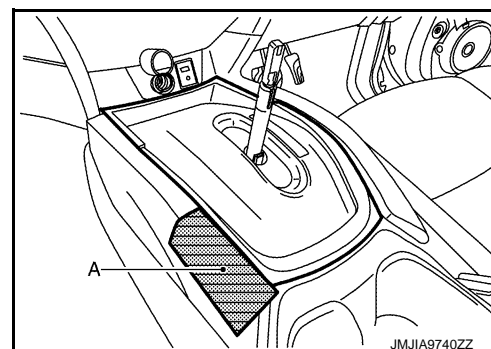
CAUTION:

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

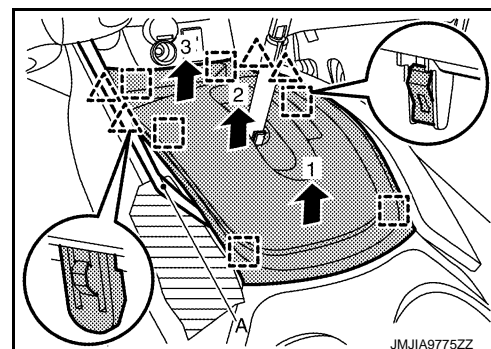
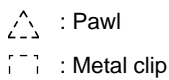
1. Put selector lever in "N" position (CVT models).
2. Remove selector lever knob. Refer to [TM-403, "Removal and Installation"](#). (CVT models)
3. Remove shift lever knob. Refer to [TM-28, "Removal and Installation"](#). (M/T models)
4. Disengage fixing clip and pawls, and then remove instrument lower cover LH and RH according to numerical order 1→2 indicated by arrows as shown in the figure.



5. Remove A/T console finisher. (CVT models)
- a. Apply protective tape (A) on the part to protect it from damage.



- b. Disengage fixing metal clips and pawls using a remover tool (A), and then remove A/T console finisher according to numerical order 1→3 indicated by arrows as shown in the figure.



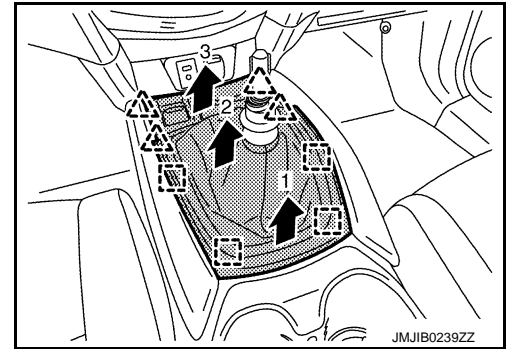
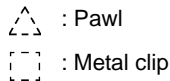
- c. Disconnect harness connector.
- d. Remove the following part after removing A/T console finisher.
Parking brake switch: Refer to [PB-156, "Removal and Installation"](#).
6. Remove console boot assembly. (M/T models)

CENTER CONSOLE ASSEMBLY

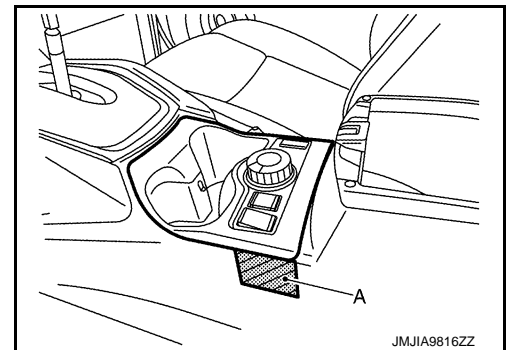
< REMOVAL AND INSTALLATION >

[LHD MODELS]

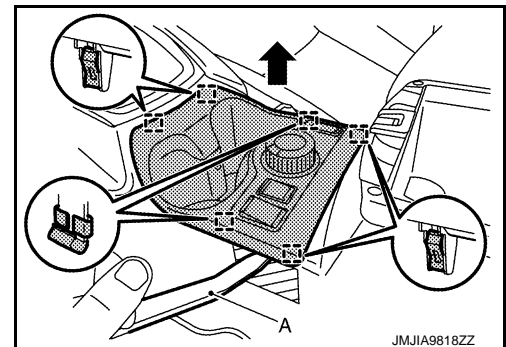
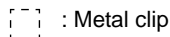
- a. Disengage fixing metal clips and pawls, and then remove console boot assembly according to numerical order 1→3 indicated by arrows as shown in the figure.



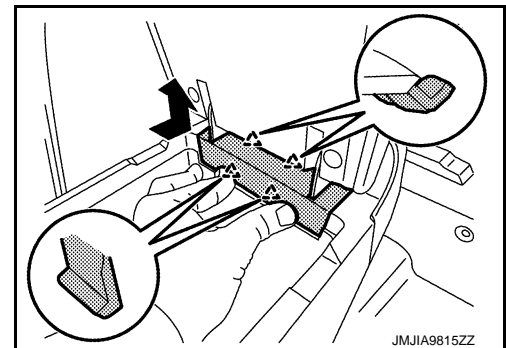
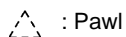
- b. Disconnect harness connector.
- c. Remove the following part after removing console boot assembly.
Parking brake switch: Refer to [PB-156. "Removal and Installation"](#).
7. Remove console switch panel.
- a. Apply protective tape (A) on the part to protect it from damage.



- b. Disengage fixing metal clips using a remover tool (A), and then remove console switch panel from center console assembly.



- c. Disconnect harness connectors.
8. Remove console mask.
- a. Open the console lid.
- b. Disengage fixing pawls, and then remove console mask by arrow as shown in the figure.



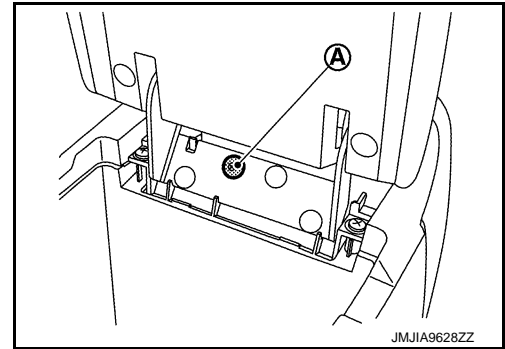
9. Remove console rear finisher assembly.

CENTER CONSOLE ASSEMBLY

< REMOVAL AND INSTALLATION >

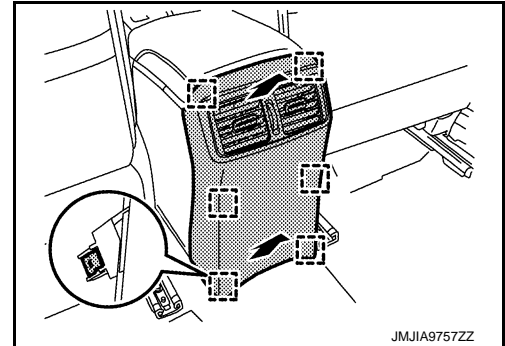
[LHD MODELS]

- a. Remove console rear finisher assembly fixing screw (A).



- b. Disengage fixing metal clips, and then remove console rear finisher assembly by arrows as shown in the figure.

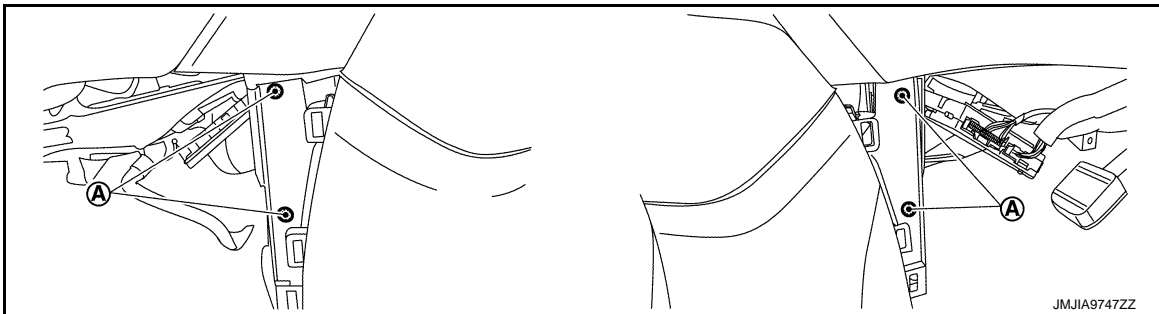
 : Metal clip



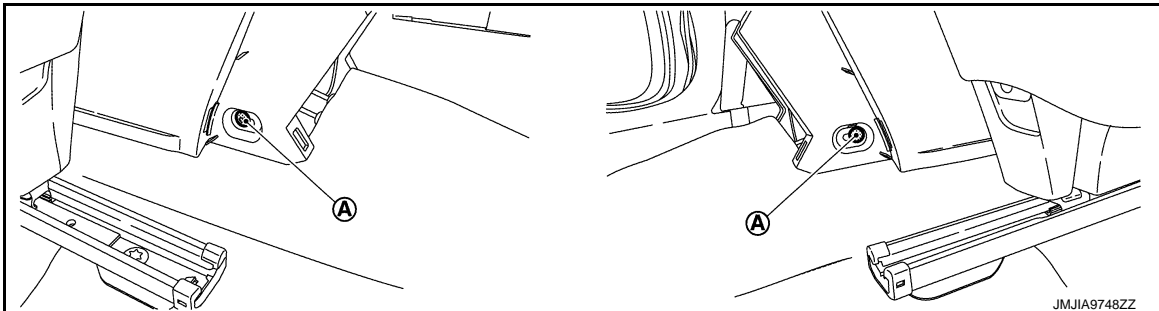
- c. Remove the following part after removing console rear finisher assembly. (if equipped)
Rear ventilator grille: Refer to [VTL-14. "REAR VENTILATOR GRILLE : Removal and Installation"](#).

10. Remove center console assembly fixing screws (A).

• Front side



• Rear side

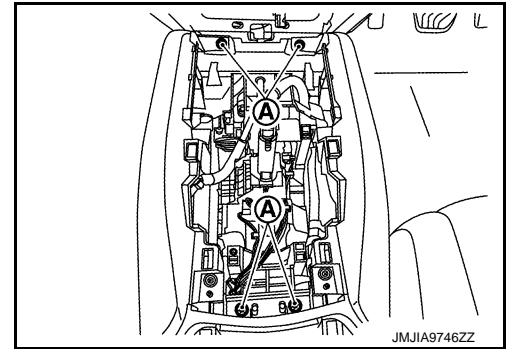


CENTER CONSOLE ASSEMBLY

< REMOVAL AND INSTALLATION >

[LHD MODELS]

- Upper side



11. Disconnect harness connectors and harness clips, and then remove center console assembly.
12. Remove the following part after removing center console assembly. (if equipped)
 - Power socket: Refer to [PWO-9. "CONSOLE POWER SOCKET : Removal and Installation"](#).
 - Rear ventilator duct 2: Refer to [VTL-14. "REAR VENTILATOR DUCT 2 : Removal and Installation"](#).

INSTALLATION

Install in the reverse order of removal.

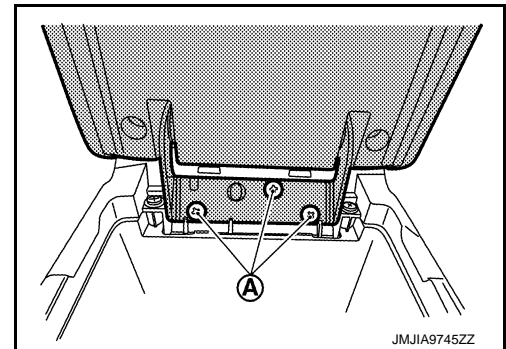
Disassembly and Assembly

INFOID:000000010981702

Disassembly and Assembly of Center Console Assembly

DISASSEMBLY

Remove console lid fixing screws **A**, and then remove console lid.



ASSEMBLY

Assemble in the reverse order of disassembly.

PRECAUTION

PRECAUTIONS

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

INFOID:000000010981685

The Supplemental Restraint System such as "AIR BAG" and "SEAT BELT PRE-TENSIONER", used along with a front seat belt, helps to reduce the risk or severity of injury to the driver and front passenger for certain types of collision. Information necessary to service the system safely is included in the "SRS AIR BAG" and "SEAT BELT" of this Service Manual.

WARNING:

Always observe the following items for preventing accidental activation.

- To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision that would result in air bag inflation, all maintenance must be performed by an authorized NISSAN/INFINITI dealer.
- Improper maintenance, including incorrect removal and installation of the SRS, can lead to personal injury caused by unintentional activation of the system. For removal of Spiral Cable and Air Bag Module, see "SRS AIR BAG".
- Never use electrical test equipment on any circuit related to the SRS unless instructed to in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harnesses or harness connectors.

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

WARNING:

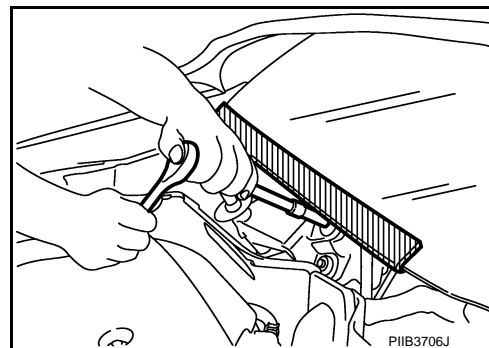
Always observe the following items for preventing accidental activation.

- When working near the Air Bag Diagnosis Sensor Unit or other Air Bag System sensors with the ignition ON or engine running, never use air or electric power tools or strike near the sensor(s) with a hammer. Heavy vibration could activate the sensor(s) and deploy the air bag(s), possibly causing serious injury.
- When using air or electric power tools or hammers, always switch the ignition OFF, disconnect the battery, and wait at least 3 minutes before performing any service.

Precaution for Procedure without Cowl Top Cover

INFOID:000000010981686

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



Precautions Necessary for Steering Wheel Rotation After Battery Disconnection

INFOID:000000010981687

CAUTION:

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

- 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 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.

PRECAUTIONS

[RHD MODELS]

< PRECAUTION >

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

OPERATION PROCEDURE

1. Connect both battery cables.
NOTE:
Supply power using jumper cables if battery is discharged.
2. 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.

Precautions for Removing Battery Terminal

INFOID:000000010981688

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

NOTE:

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

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

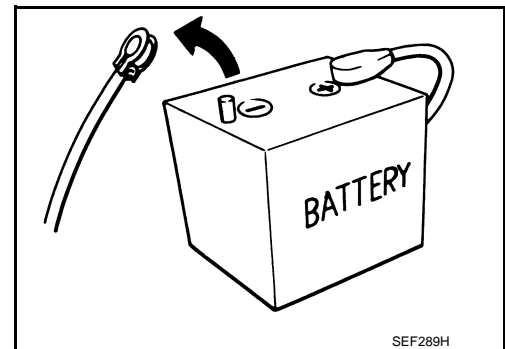
NOTE:

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

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

NOTE:

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



HOW TO DISCONNECT 12V BATTERY TERMINAL

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

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

INSTRUCTION 1

1. Open the hood.
2. Turn key switch to the OFF position with the driver side door opened.
3. Get out of the vehicle and close the driver side door.
4. Wait at least 3 minutes.

CAUTION:

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

5. Remove 12V battery terminal.

CAUTION:

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

INSTRUCTION 2 (FOR VEHICLES PARKED BY IGNITION SWITCH OFF)

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

NOTE:

At this moment, ACC power is supplied.

2. Open the driver side door.

PRECAUTIONS

< PRECAUTION >

[RHD MODELS]

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

CAUTION:

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

6. Remove 12V battery terminal.

CAUTION:

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

Service

INFOID:0000000010981689

- Disconnect battery negative terminal in advance.
- Disconnect air bag system line in advance.
- Never tamper with or force air bag lid open, as this may adversely affect air bag performance.
- Be careful not to scratch pad and other parts.
- When removing or disassembling any part, be careful not to damage or deform it. Protect parts, that may get in the way with a shop cloth.
- When removing parts with a screwdriver or other tool, cover the tool surface with vinyl tape to protect parts.
- Keep removed parts protected with a shop cloth.
- If a clip is deformed or damaged, replace it.
- If an un reusable part is removed, replace it with a new one.
- Tighten bolts and nuts firmly to the specified torque.
- After reassembly is complete, check that each part functions correctly.
- Remove stains via the following procedure.

Water-soluble stains:

Dip a soft cloth in warm water, and then squeeze it tightly. After wiping off the stain, wipe with a soft dry cloth.

Oil stain:

Dissolve a synthetic detergent in warm water (density of 2 to 3%), dip the cloth, then wipe off the stain with the cloth. Next, dip the cloth in fresh water and squeeze it tightly. Then wipe off the detergent completely. Then wipe the area with a soft dry cloth.

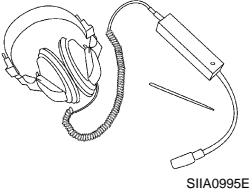
- Never use any organic solvent, such as thinner or benzene.

PREPARATION

PREPARATION

Commercial Service Tools

INFOID:0000000010981690

Tool name		Description
<div>Engine ear</div> <div></div> <div>SIIA0995E</div>		Locates the noise

CLIP LIST

< PREPARATION >

[RHD MODELS]

CLIP LIST

Clip List

INFOID:0000000010981691

Shapes	Removal & Installation		Shapes	Removal & Installation	
	Removal: Remove by bending up with flat-bladed screwdrivers or clip remover.			Removal: 	
	Removal: Remove with a clip remover.			Removal: 	
	Removal: Push center pin to catching position. (Do not remove center pin by hitting it.)	Installation: 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.			Removal: 1. Screw out with a Phillips screwdriver. 2. Remove female portion with flat-bladed screwdriver.	
	Removal: 			Removal: 	Installation:
	Removal: 			Removal: 	

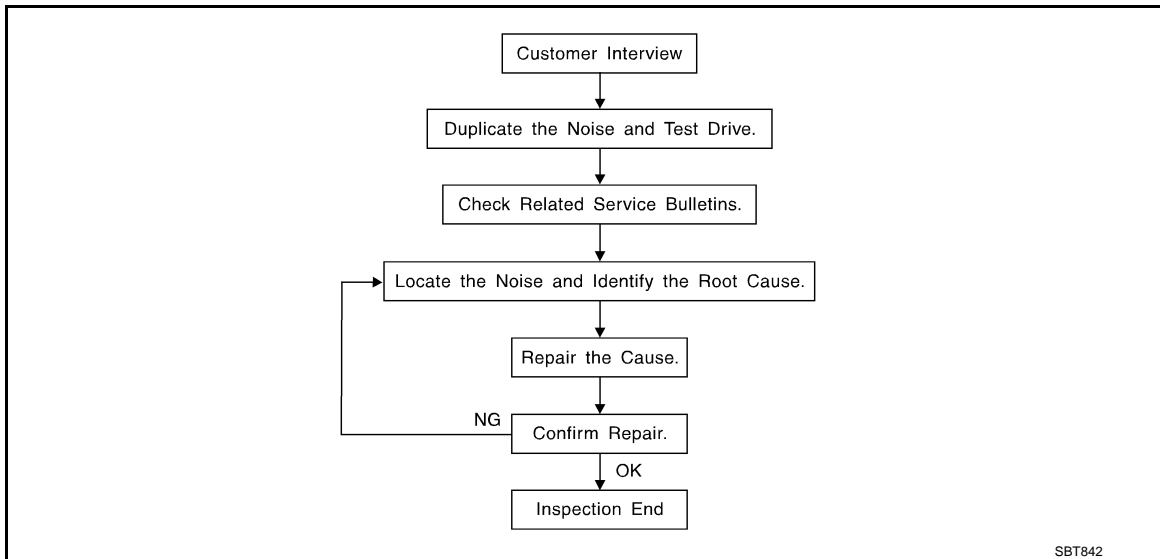
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SYMPTOM DIAGNOSIS

SQUEAK AND RATTLE TROUBLE DIAGNOSES

Work Flow

INFOID:0000000010981692



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 [IP-38. "Diagnostic Worksheet"](#). This information is necessary to duplicate the conditions that exist when the noise occurs.

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

DUPLICATE THE NOISE AND TEST DRIVE

SQUEAK AND RATTLE TROUBLE DIAGNOSES

[RHD MODELS]

< 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 [IP-36, "Inspection Procedure"](#).

REPAIR THE CAUSE

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

CAUTION:

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

NOTE:

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

CONFIRM THE REPAIR

SQUEAK AND RATTLE TROUBLE DIAGNOSES

[RHD MODELS]

< 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

INFOID:0000000010981693

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

INSTRUMENT PANEL

Most incidents are caused by contact and movement between:

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

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

CAUTION:

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

CENTER CONSOLE

Components to pay attention to include:

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

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

DOORS

Pay attention to the following:

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

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

TRUNK

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

In addition look for the following:

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

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

SUNROOF/HEADLINING

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

1. Sunroof lid, rail, linkage or seals making a rattle or light knocking noise
2. Sunvisor shaft shaking in the holder
3. Front or rear windshield touching headlining and squeaking

SQUEAK AND RATTLE TROUBLE DIAGNOSES

< SYMPTOM DIAGNOSIS >

[RHD MODELS]

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

SEATS

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

Cause of seat noise include:

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

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

UNDERHOOD

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

Causes of transmitted underhood noise include:

1. Any component mounted to the engine wall
2. Components that pass through the engine wall
3. Engine wall mounts and connectors
4. Loose radiator mounting pins
5. Hood bumpers out of adjustment
6. Hood striker out of adjustment

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

A

B

C

D

E

F

G

H

I

IP

K

L

M

N

O

P

SQUEAK AND RATTLE TROUBLE DIAGNOSES

< SYMPTOM DIAGNOSIS >

[RHD MODELS]

Diagnostic Worksheet

INFOID:0000000010981694



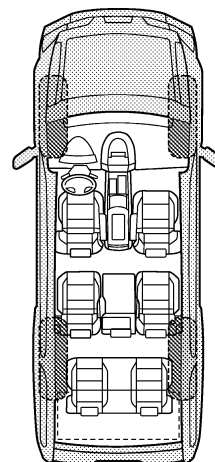
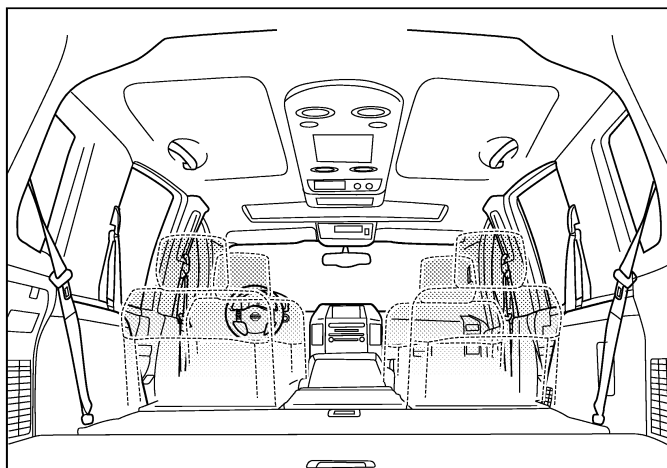
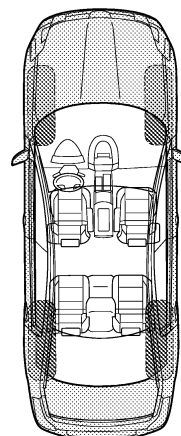
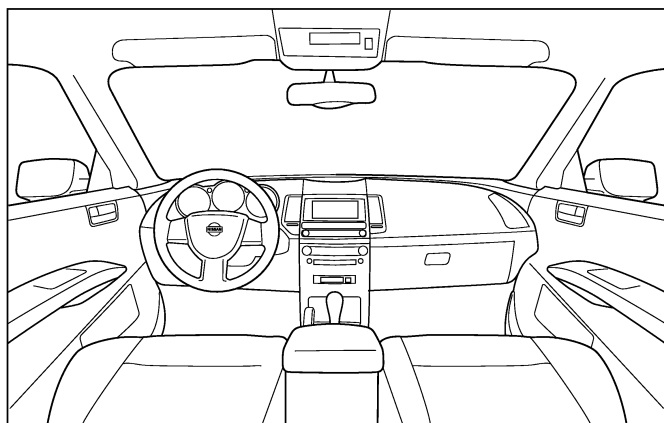
SQUEAK & RATTLE DIAGNOSTIC WORKSHEET

Dear Nissan Customer:

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

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

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



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

PIIB8740E

SQUEAK AND RATTLE TROUBLE DIAGNOSES

< SYMPTOM DIAGNOSIS >

[RHD MODELS]

SQUEAK & RATTLE DIAGNOSTIC WORKSHEET - page 2

Briefly describe the location where the noise occurs:

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

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

III. WHEN DRIVING:

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

IV. WHAT TYPE OF NOISE

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

TO BE COMPLETED BY DEALERSHIP PERSONNEL

Test Drive Notes:

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

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

This form must be attached to Work Order

PIIB8742E

INSTRUMENT PANEL ASSEMBLY

< REMOVAL AND INSTALLATION >

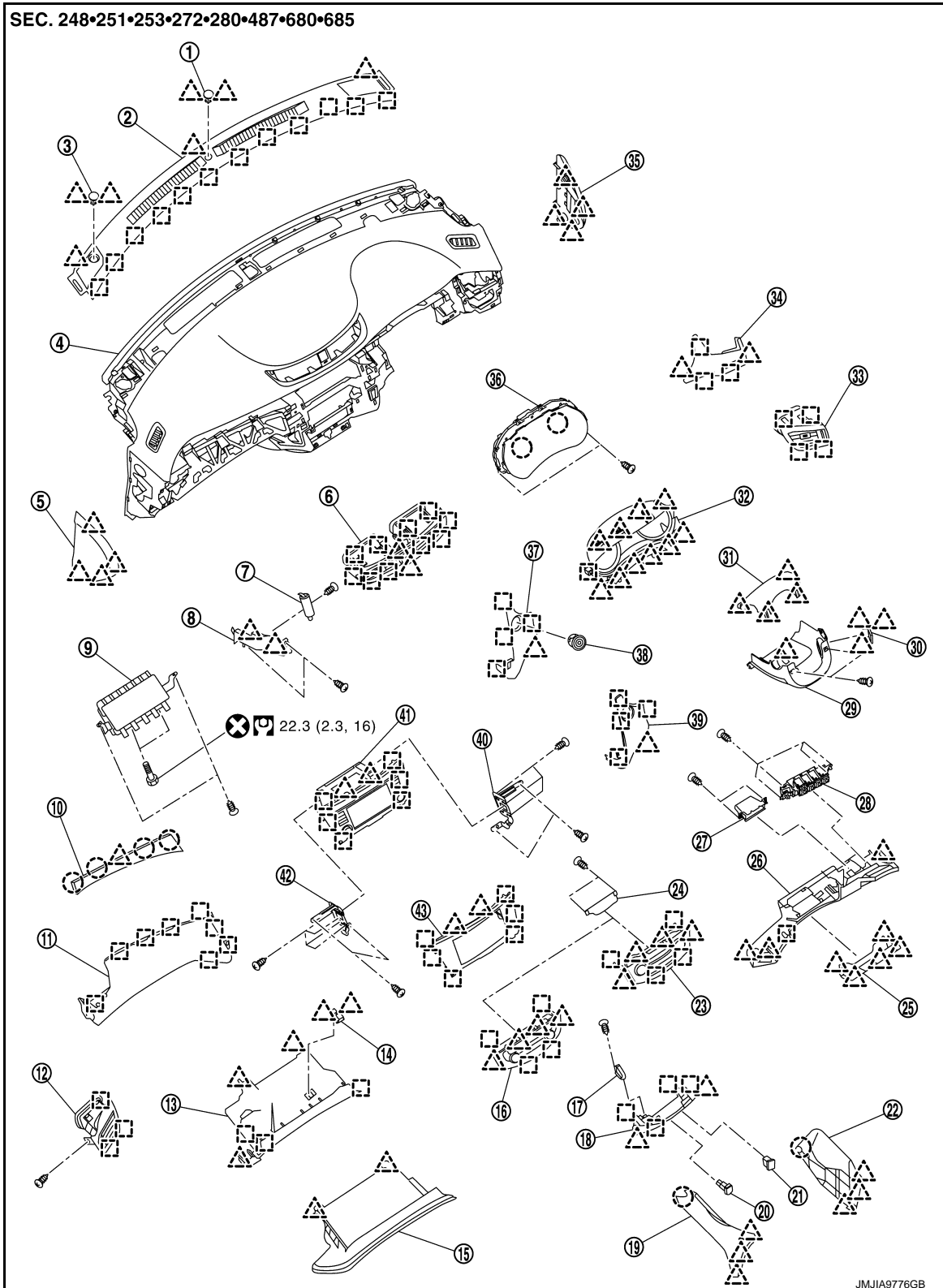
[RHD MODELS]

REMOVAL AND INSTALLATION

INSTRUMENT PANEL ASSEMBLY

Exploded View

INFOID:000000010981695



INSTRUMENT PANEL ASSEMBLY

< REMOVAL AND INSTALLATION >

[RHD MODELS]

- | | | | |
|---|--|--|---|
| ① Sunload sensor (if equipped) | ② Instrument garnish | ③ Switch panel A | A |
| ④ Instrument panel assembly | ⑤ Instrument mask | ⑥ Center ventilator grille | |
| ⑦ Glove box damper | ⑧ Glove box bracket | ⑨ Passenger air bag module | B |
| ⑩ Instrument finisher B | ⑪ Instrument upper panel assist | ⑫ Side ventilator grille LH | |
| ⑬ Glove box cover | ⑭ Glove box lamp assembly | ⑮ Air bag cutoff switch | |
| ⑯ Glove box | ⑰ A/C control
(automatic air conditioning) | ⑱ In-vehicle sensor
(automatic air conditioning) | C |
| ⑲ Instrument lower panel center | ⑳ Instrument lower cover LH | ㉑ Power socket (if equipped) | |
| ㉒ USB connector and AUX jack
(if equipped) | ㉓ Instrument lower cover RH | ㉔ A/C control (A/C amp.)
(manual air conditioning) | D |
| ㉕ Warning lamp mask | ㉖ Fuse block lid | ㉗ Instrument lower panel RH | |
| ㉘ Card pocket | ㉙ Switch bracket | ㉚ Steering column cover lower | E |
| ㉛ Ignition switch cover | ㉜ Steering column cover upper | ㉝ Cluster lid A | |
| ㉞ Side ventilator grille RH | ㉟ Instrument finisher A | ㊱ Instrument mask | F |
| ㊱ Combination meter | ㊲ Instrument finisher E
(with Intelligent Key System) | ㊳ Push-button ignition switch
(with Intelligent Key System) | |
| ㊴ Instrument finisher E
(without Intelligent Key System) | ㊴ Audio bracket RH | ㊴ Audio unit
(audio system without NAVI)
NAVI control unit
(audio system with NAVI) | G |
| ㊴ Audio bracket LH | ㊴ Cluster lid C
(without audio system) | | H |

○ : Clip

△ : Pawl

□ : Metal clip

⊗ : Always replace after every disassembly.

Ⓐ : N·m (kg·m, ft·lb)

Removal and Installation

INFOID:0000000010981696

WORK STEP

When removing instrument panel assembly, combination meter and audio unit or NAVI control unit take steps in the order shown by the numbers below.

PARTS	INSTRUMENT PANEL ASSEMBLY	COMBINATION METER	AUDIO UNIT OR NAVI CONTROL UNIT
Center console assembly	[1]		
A/C control (automatic air conditioning) A/C control (A/C amp.) (manual air conditioning)	[2]	[1]	[1]
Instrument lower panel center	[3]		
Instrument finisher E	[4]	[2]	[2]
Glove box	[5]		
Instrument mask LH	[6]		[3]
Glove box cover	[7]		
Glove box bracket	[8]		
Side ventilator grille LH	[9]		[4]
Instrument finisher B	[10]		[5]

INSTRUMENT PANEL ASSEMBLY

< REMOVAL AND INSTALLATION >

[RHD MODELS]

Instrument upper panel assist	[11]		
Audio unit or NAVI control unit (with audio system)	[12]		[6]
Cluster lid C (without audio system)	[13]		
Instrument mask RH	[14]	[3]	
Fuse block lid	[15]	[4]	
Hood lock control handle	[16]	[5]	
instrument lower panel RH	[17]	[6]	
Side ventilator grille RH	[18]	[7]	
Instrument finisher A	[19]	[8]	
Cluster lid A	[20]	[9]	
Combination meter	[21]	[10]	
Sunload sensor (if equipped)	[22]		
Front pillar garnish LH and RH	[23]		
Instrument garnish	[24]		
Center ventilator grille	[25]		
Driver air bag module	[26]		
Steering wheel	[27]		
Steering column cover	[28]		
Spiral cable	[29]		
Steering angle sensor (if equipped)	[30]		
Combination switch	[31]		
Passenger air bag mounting bolt	[32]		
Passenger air bag harness connector	[33]		
Instrument panel assembly	[34]		

[]: Number indicates step in removal procedure.

WARNING:

Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait for 3 minutes or more.

REMOVAL

CAUTION:

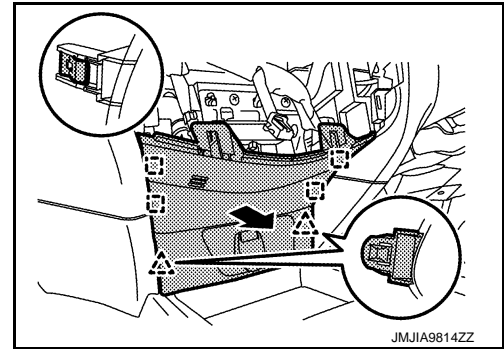
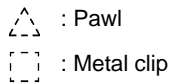
- When removing, always use a remover tool that is made of plastic.
 - Always apply the parking brake before performing removal and installation.
1. Remove center console assembly. Refer to [IP-52, "Removal and Installation"](#).
 2. Remove A/C control (automatic air conditioning) or A/C control (A/C amp.) (manual air conditioning). Refer to [HAC-125, "Removal and Installation"](#) (automatic air conditioning) or [HAC-222, "Removal and Installation"](#) (manual air conditioning).
 3. Remove instrument lower panel center.

INSTRUMENT PANEL ASSEMBLY

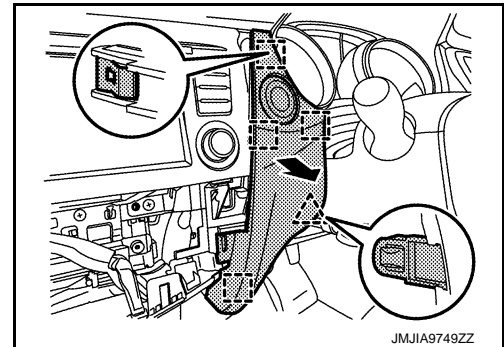
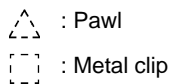
< REMOVAL AND INSTALLATION >

[RHD MODELS]

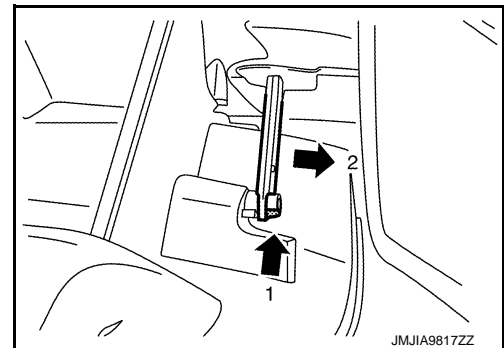
- a. Disengage fixing pawls and metal clips, and then remove instrument lower panel center.



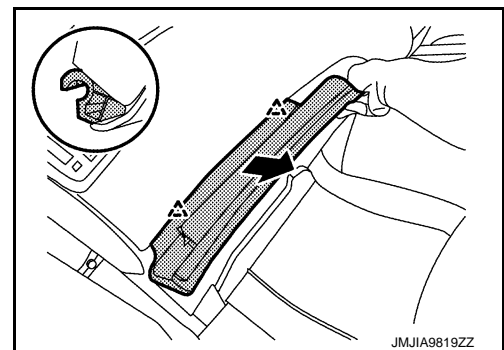
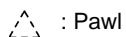
- b. Disconnect harness connector and aspirator duct (if equipped).
4. Remove instrument finisher E.
- a. Disengage fixing metal clips and pawl, and then remove instrument finisher E.



- b. Remove push-button ignition switch harness connector. (with Intelligent Key System)
- c. Remove the following part after removing instrument finisher E. (with Intelligent Key System)
Push-button ignition switch: Refer to [PCS-116. "Removal and Installation"](#).
5. Remove glove box.
- a. Disengage glove box damper arm from glove box according to the numerical order 1→2 indicated by arrows as shown in the figure.



- b. Open the glove box approximately 50 mm.
- c. Pull up glove box toward the direction of arrow as shown in the figure to disengage pawls from instrument panel.




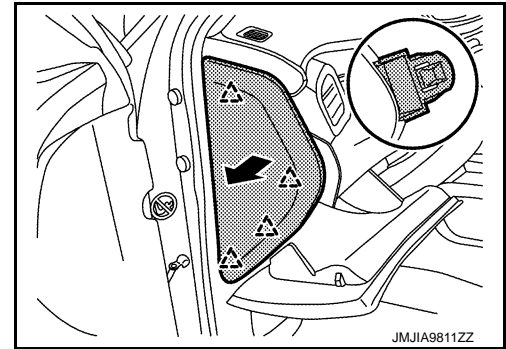
INSTRUMENT PANEL ASSEMBLY

< REMOVAL AND INSTALLATION >



[RHD MODELS]

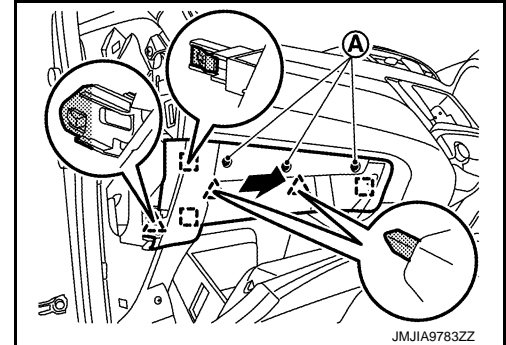
6. Disengage fixing pawls, and then remove instrument mask LH by arrow as shown in the figure.

 : Pawl




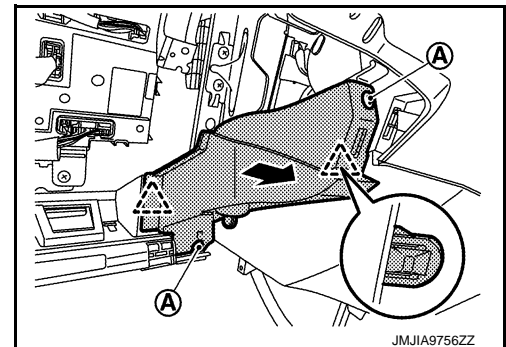
7. Remove glove box cover.
- a. Remove fixing screws (A).
- b. Disengage fixing metal clips and pawls, and then remove glove box cover by arrow as shown in the figure.

 : Pawl
 : Metal clip





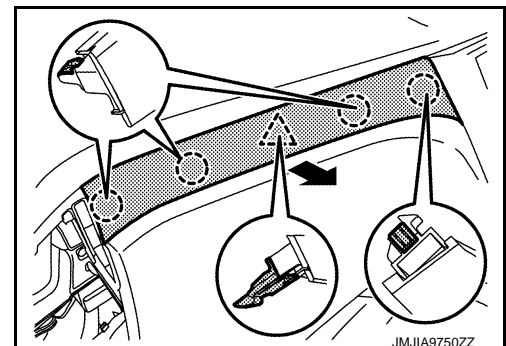
- c. Disconnect glove box lamp harness connector and air bag cut off switch harness connector.
- d. Remove the following part after removing glove box.
- Glove box lamp: Refer to [INL-82. "Exploded View"](#).
 - Air bag cutoff switch: Refer to [SR-35. "Removal and Installation"](#).
8. Remove glove box bracket.
- a. Remove fixing screws (A).
- b. Disengage fixing pawls, and then remove glove box bracket.

 : Pawl



- c. Remove fixing screw, and then remove glove box damper from glove box bracket.
9. Remove side ventilator grille LH. Refer to [VTL-9. "SIDE VENTILATOR GRILLE : Removal and Installation"](#).
10. Disengage fixing clips and pawl, and then remove instrument finisher B.

 : Clip
 : Pawl

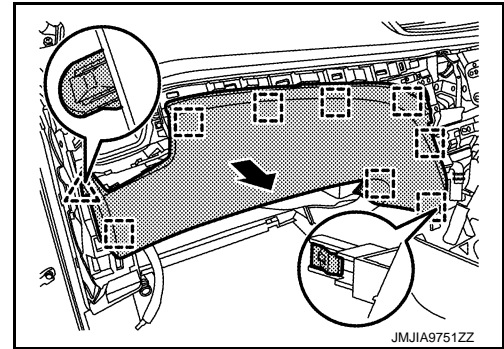
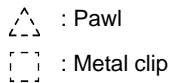


INSTRUMENT PANEL ASSEMBLY

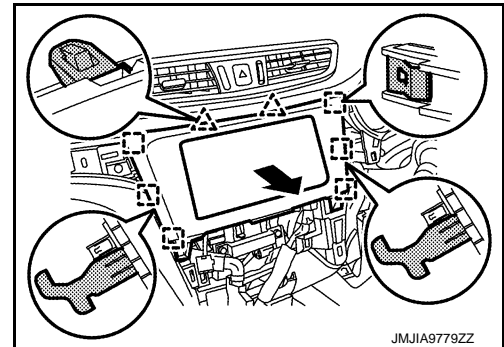
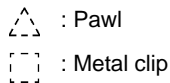
< REMOVAL AND INSTALLATION >

[RHD MODELS]

11. Disengage fixing metal clips and pawl, and then remove instrument upper panel assist.

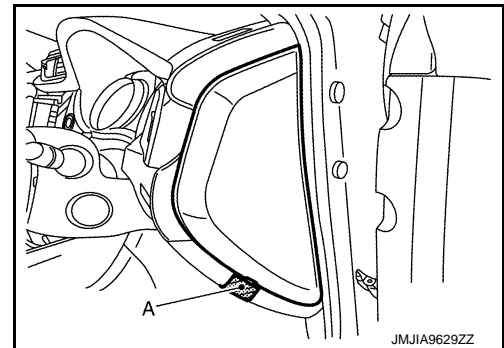


12. Remove audio unit or NAVI control unit. Refer to the following. (with audio system)
- Audio unit: Refer to [AV-51, "Removal and Installation"](#) (BASE AUDIO).
 - NAVI control unit: Refer to [AV-262, "Removal and Installation"](#). (WITH NAVIGATION)
13. Disengage fixing pawls and metal clips, and then remove cluster lid C by arrow as shown in the figure. (without audio system)

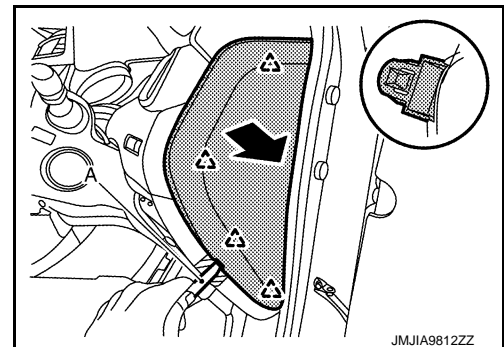
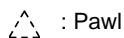


14. Remove instrument mask RH.

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



- b. Disengage fixing pawls using remover tool (A), and then remove instrument mask.




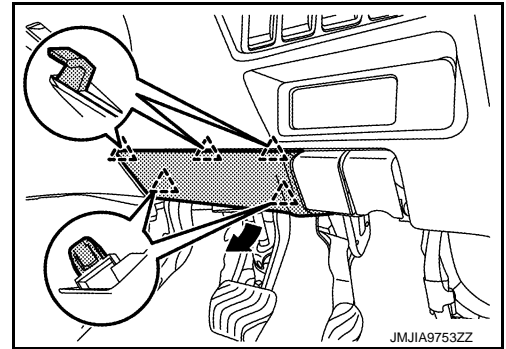
INSTRUMENT PANEL ASSEMBLY

< REMOVAL AND INSTALLATION >

[RHD MODELS]

15. Disengage fixing pawls, and then remove fuse block lid by arrow as shown in the figure.



 : Pawl

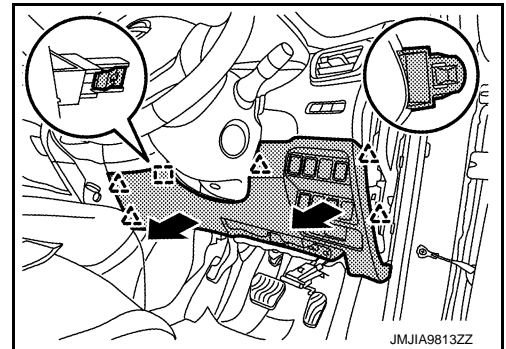


16. Remove hood lock control handle. Refer to [DLK-299, "HOOD LOCK CONTROL HANDLE : Removal and Installation"](#) (with Intelligent Key system) or [DLK-912, "HOOD LOCK CONTROL HANDLE : Removal and Installation"](#) (without Intelligent Key system).

17. Remove instrument lower panel RH.

- a. Disengage fixing metal clip and pawls, and then remove instrument lower panel RH.

 : Pawl
 : Metal clip





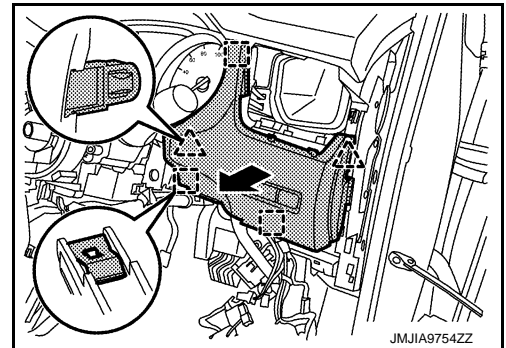
- b. Disconnect harness connectors, harness clips and data link connector from instrument lower panel RH.

18. Remove side ventilator grille RH. Refer to [VTL-9, "SIDE VENTILATOR GRILLE : Removal and Installation"](#).

19. Remove instrument finisher A.

- a. Disengage fixing pawls and metal clips, and then remove instrument finisher A.

 : Pawl
 : Metal clip




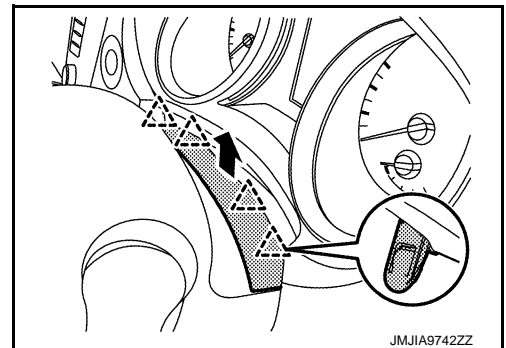
- b. Disconnect harness connector from instrument finisher A.

20. Remove cluster lid A.

- a. Move to the position of tilt down and telescopic pull the steering wheel.

- b. Disengage fixing pawls, and then remove skirt portion of cluster lid A by arrow as shown in the figure.

 : Pawl



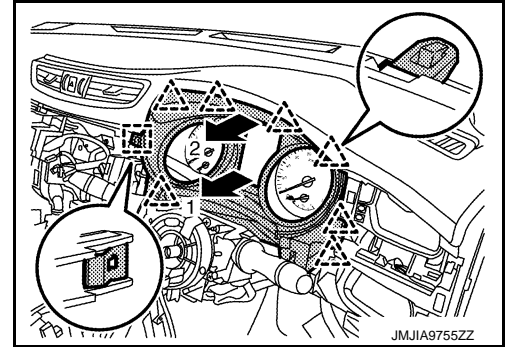
INSTRUMENT PANEL ASSEMBLY

< REMOVAL AND INSTALLATION >

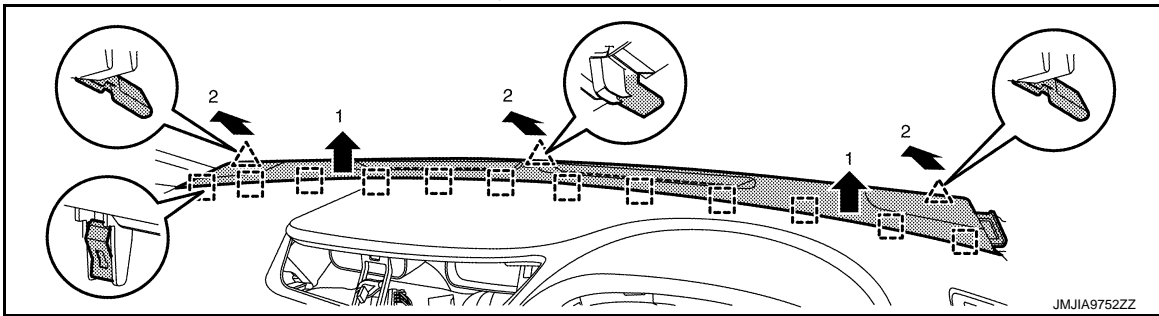
[RHD MODELS]

- c. Disengage fixing pawls and metal clip, and then remove cluster lid A according to numerical order 1→2 indicated by arrows as shown in the figure.

△ : Pawl
□ : Metal clip

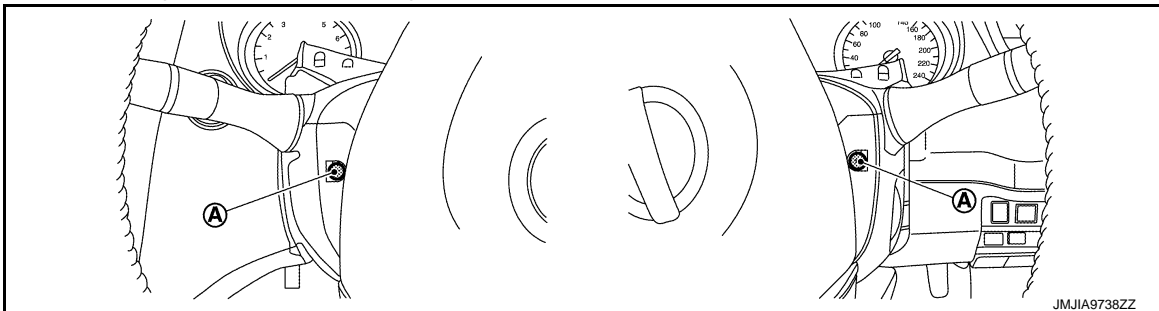


21. Remove combination meter. Refer to [MWI-151, "Removal and Installation"](#).
22. Remove sunload sensor. Refer to [HAC-129, "Removal and Installation"](#) (AUTOMATIC AIR CONDITIONER). (if equipped)
23. Remove front pillar garnish LH and RH. Refer to [INT-23, "FRONT PILLAR GARNISH : Removal and Installation"](#).
24. Disengage fixing pawls and metal clips, and then remove instrument garnish according to numerical order 1→2 indicated by arrows as shown in the figure.



△ : Pawl
□ : Metal clip

25. Remove center ventilator grille. Refer to [VTL-8, "CENTER VENTILATOR GRILLE : Removal and Installation"](#).
26. Remove driver air bag module. Refer to [SR-19, "Removal and Installation"](#).
27. Remove steering wheel. Refer to [ST-12, "Removal and Installation"](#).
28. Remove steering column cover.
a. Remove steering column cover fixing screws (A).

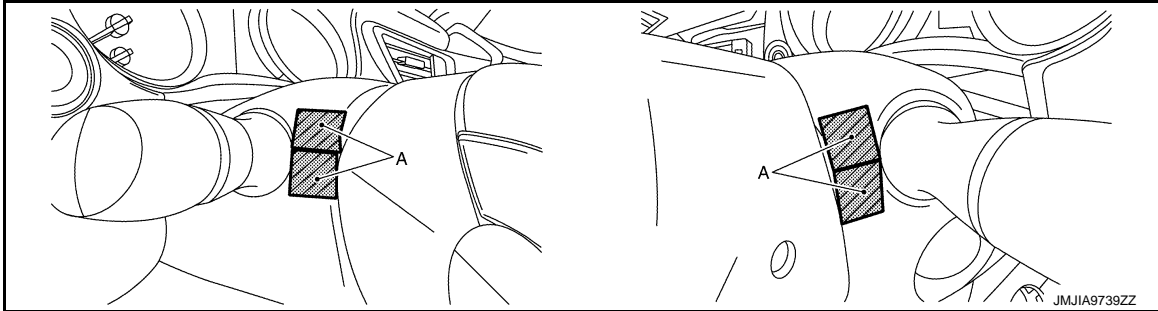


INSTRUMENT PANEL ASSEMBLY

< REMOVAL AND INSTALLATION >

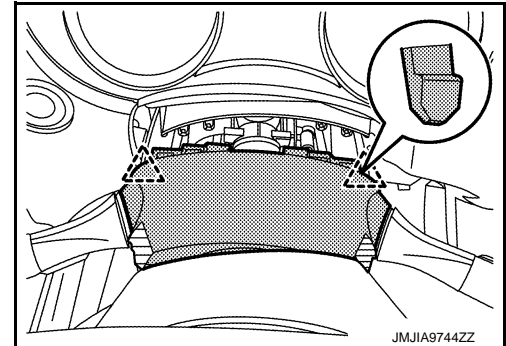
[RHD MODELS]

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

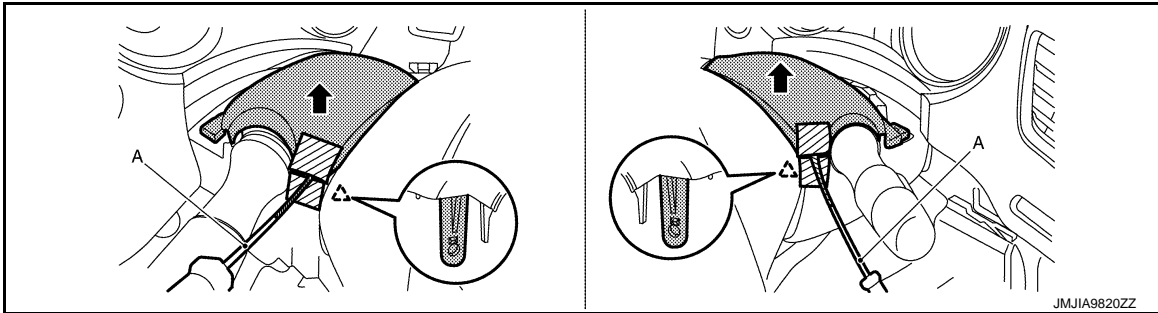


- c. Disengage fixing pawls from steering column cover front side.

△ : Pawl



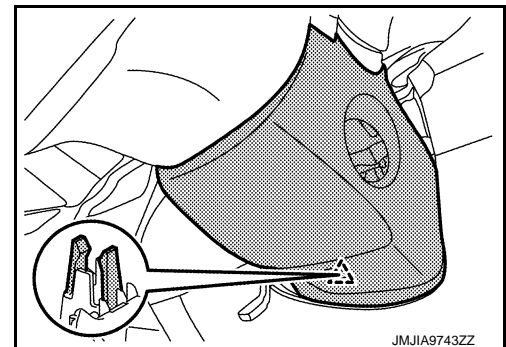
- d. Disengage fixing pawls using a remover tool (A), and then remove steering column cover upper by arrow as shown in the figure.



△ : Pawl

- e. Disengage fixing pawl, and then remove steering column cover lower.

△ : Pawl



29. Remove spiral cable. Refer to [SR-23. "Removal and Installation"](#).
30. Remove steering angle sensor. Refer to [BRC-222. "Removal and Installation"](#).
31. Remove combination switch. Refer to [BCS-122. "Removal and Installation"](#)

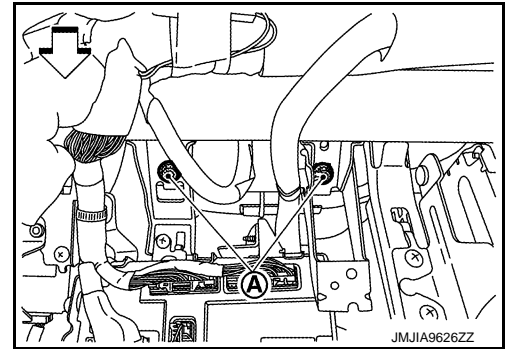
INSTRUMENT PANEL ASSEMBLY

< REMOVAL AND INSTALLATION >

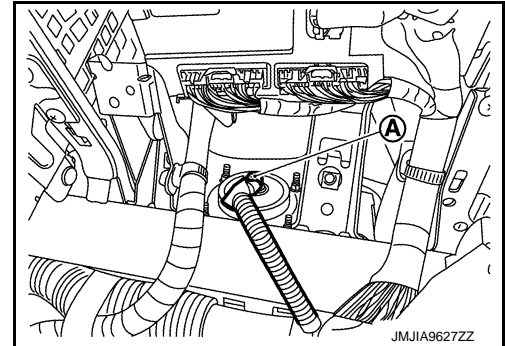
[RHD MODELS]

32. Remove passenger air bag module mounting bolts (A).

↩ : Vehicle front

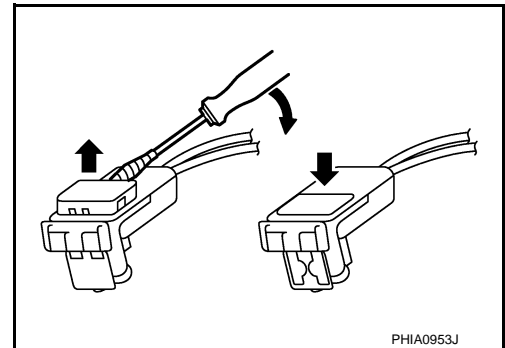


33. Disconnect passenger air bag module harness connector (A).



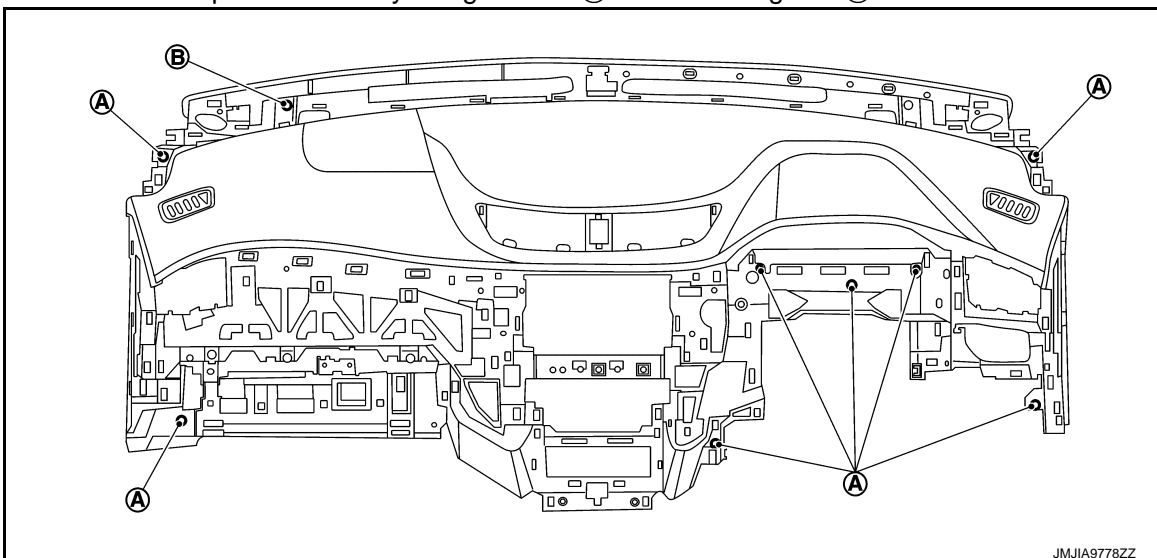
CAUTION:

- For installing/removing the passenger air bag module harness connector, insert a thin screwdriver wrapped in tape into notch, lift lock and remove the connector.
- Install the connector with lock raised, and push lock into the connector.
- After installing the connector, check that the lock is pushed securely into it.



34. Remove instrument panel assembly.

a. Remove instrument panel assembly fixing screws (A) and mounting bolt (B).

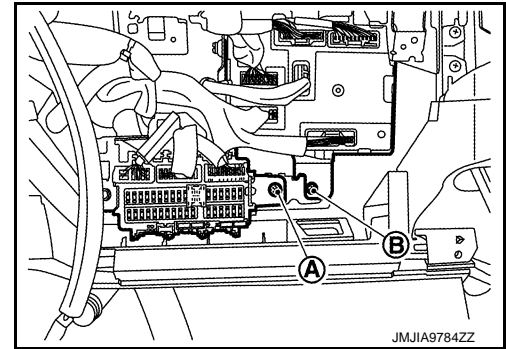


INSTRUMENT PANEL ASSEMBLY

< REMOVAL AND INSTALLATION >

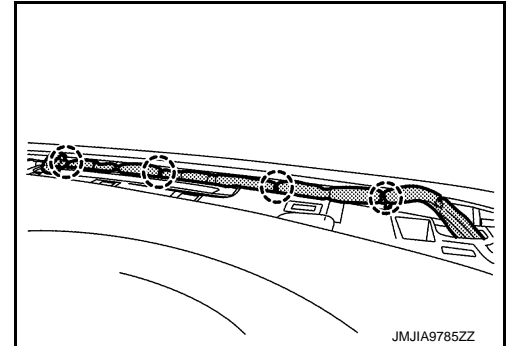
[RHD MODELS]

- b. Remove fuse block fixing screw ① and BCM fixing screw ②.



- c. Disengage sunload sensor harness fixing clips. (if equipped)

○ : Clip



- d. Disconnect harness connectors of front pillar LH and RH portions.
e. Disengage harness fixing clips and remove harness from instrument panel assembly.
f. Remove instrument panel assembly from passenger door opening portion.

CAUTION:

- Cover shift selector upper surface with a shop cloth to prevent it from being damaged.
- When removing instrument panel assembly, 2 workers are required to prevent it from dropping.

35. Remove the following parts after removing instrument panel assembly.

- Passenger air bag module: Refer to [SR-26. "Removal and Installation"](#).
- Center ventilator duct: Refer to [VTL-10. "CENTER VENTILATOR DUCT : Removal and Installation"](#).
- Side defroster grille (LH and RH): Refer to [VTL-12. "SIDE DEFROSTER GRILLE : Removal and Installation"](#).
- Side defroster nozzle (LH and RH): Refer to [VTL-11. "SIDE DEFROSTER NOZZLE : Removal and Installation"](#).

INSTALLATION

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

CAUTION:

- Never reuse the steering wheel mounting bolt after removal, replace with the new bolt.
- Never reuse the passenger air bag module mounting bolts after removal, replace with the new bolts.

CENTER CONSOLE ASSEMBLY

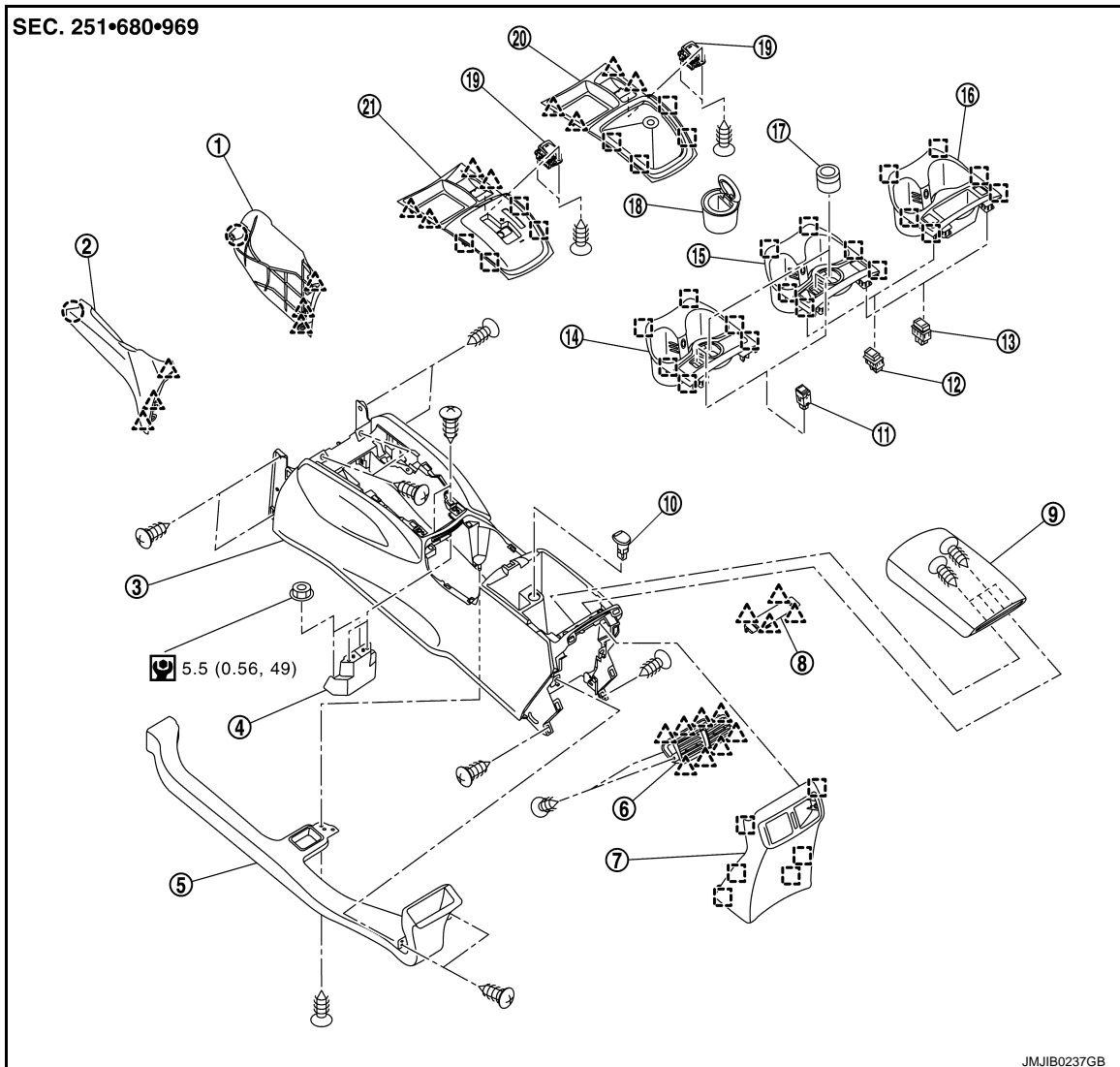
< REMOVAL AND INSTALLATION >

[RHD MODELS]

CENTER CONSOLE ASSEMBLY

Exploded View

INFOID:000000010981697



- | | | |
|---------------------------------------|---|--|
| ① Instrument lower cover RH | ② Instrument lower cover LH | ③ Center console assembly |
| ④ Console bracket (M/T models) | ⑤ Rear ventilator duct 2 (if equipped) | ⑥ Rear ventilator grille (if equipped) |
| ⑦ Console rear finisher | ⑧ Console mask | ⑨ Console lid |
| ⑩ Power socket (if equipped) | ⑪ Hill descent control switch (if equipped) | ⑫ Heated seat switch LH (if equipped) |
| ⑬ Heated seat switch RH (if equipped) | ⑭ Console switch panel | ⑮ Console switch panel |
| ⑯ Console switch panel | ⑰ 4WD mode switch (if equipped) | ⑱ Ashtray |
| ⑲ Parking brake switch | ⑳ Console boot assembly (M/T models) | ㉑ A/T console finisher (CVT models) |

○ : Clip

△ : Pawl

□ : Metal clip

⊙ : N·m (kg-m, in-lb)

CENTER CONSOLE ASSEMBLY

< REMOVAL AND INSTALLATION >

[RHD MODELS]

Removal and Installation

INFOID:000000010981698

WARNING:

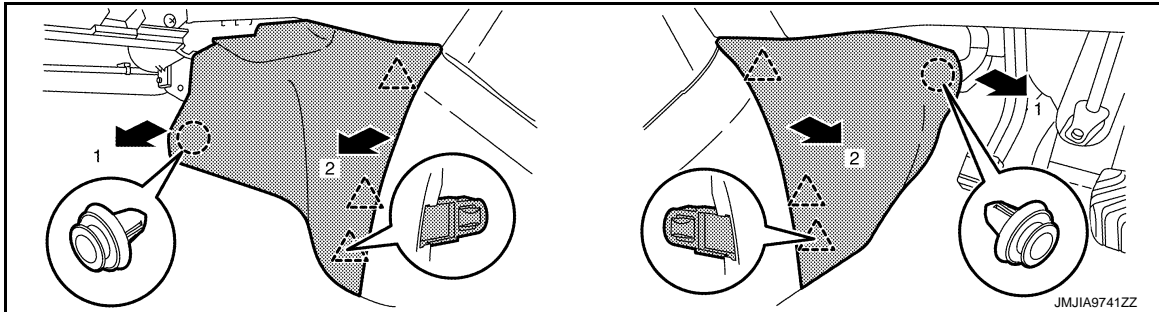
Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait for 3 minutes or more.

REMOVAL

CAUTION:

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

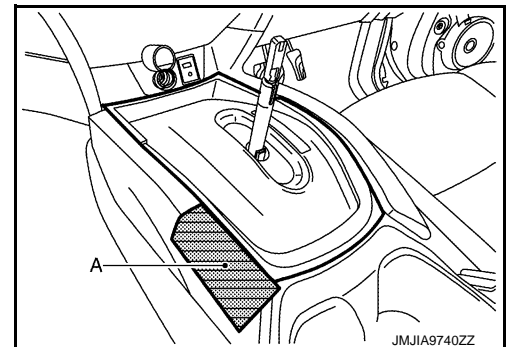
1. Put selector lever in "N" position (CVT models).
2. Remove selector lever knob. Refer to [TM-403, "Removal and Installation"](#). (CVT models)
3. Remove shift lever knob. Refer to [TM-28, "Removal and Installation"](#). (M/T models)
4. Disengage fixing clip and pawls, and then remove instrument lower cover LH and RH according to numerical order 1→2 indicated by arrows as shown in the figure.



○ : Clip

△ : Pawl

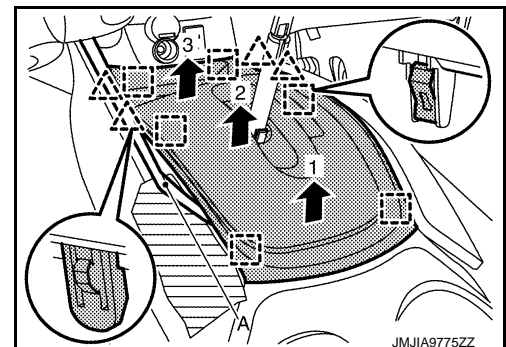
5. Remove A/T console finisher. (CVT models)
 - a. Apply protective tape (A) on the part to protect it from damage.



- b. Disengage fixing metal clips and pawls using a remover tool (A), and then remove A/T console finisher according to numerical order 1→3 indicated by arrows as shown in the figure.

△ : Pawl

□ : Metal clip



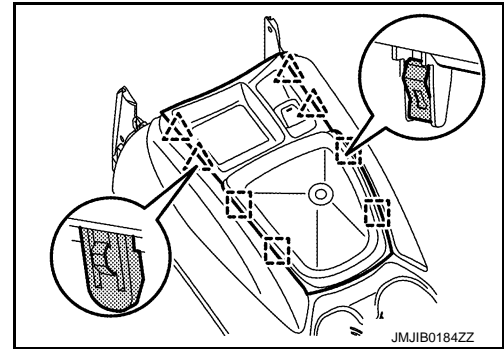
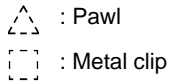
- c. Disconnect harness connector.
 - d. Remove the following part after removing A/T console finisher.
Parking brake switch: Refer to [PB-156, "Removal and Installation"](#).
6. Remove console boot assembly. (M/T models)

CENTER CONSOLE ASSEMBLY

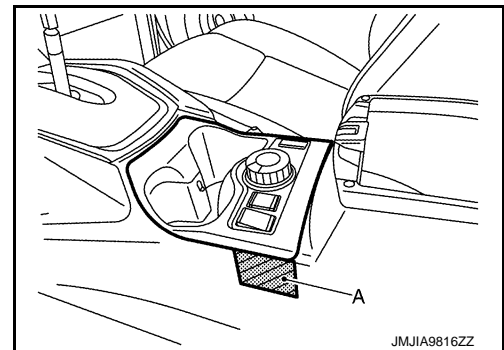
< REMOVAL AND INSTALLATION >

[RHD MODELS]

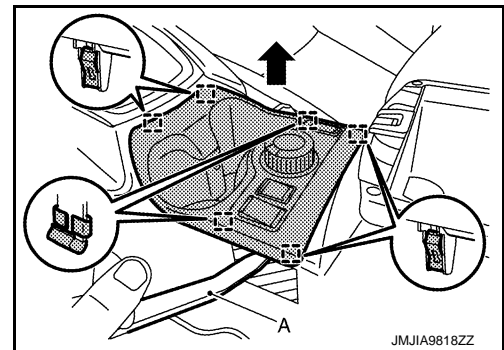
- a. Disengage fixing metal clips and pawls, and then remove console boot assembly.



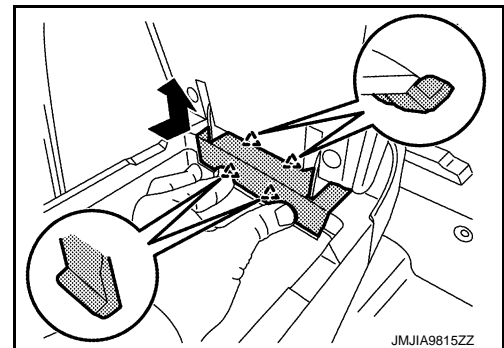
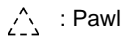
- b. Disconnect harness connector.
- c. Remove the following part after removing console boot assembly.
Parking brake switch: Refer to [PB-156. "Removal and Installation"](#).
7. Remove console switch panel.
- a. Apply protective tape (A) on the part to protect it from damage.



- b. Disengage fixing metal clips using a remover tool (A), and then remove console switch panel from center console assembly.



- c. Disconnect harness connectors.
8. Remove console mask.
- a. Open the console lid.
- b. Disengage fixing pawls, and then remove console mask by arrow as shown in the figure.



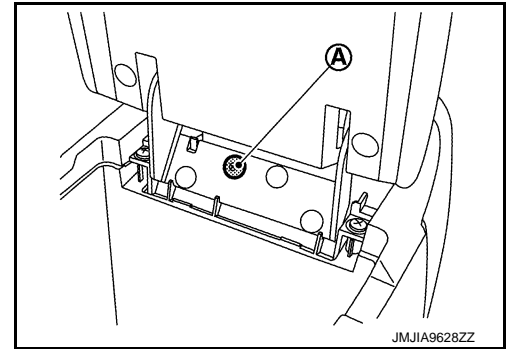
9. Remove console rear finisher assembly.

CENTER CONSOLE ASSEMBLY


< REMOVAL AND INSTALLATION >

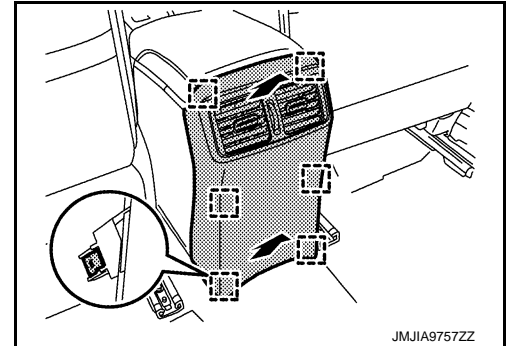
[RHD MODELS]

- a. Remove console rear finisher assembly fixing screw (A).



- b. Disengage fixing metal clips, and then remove console rear finisher assembly by arrows as shown in the figure.

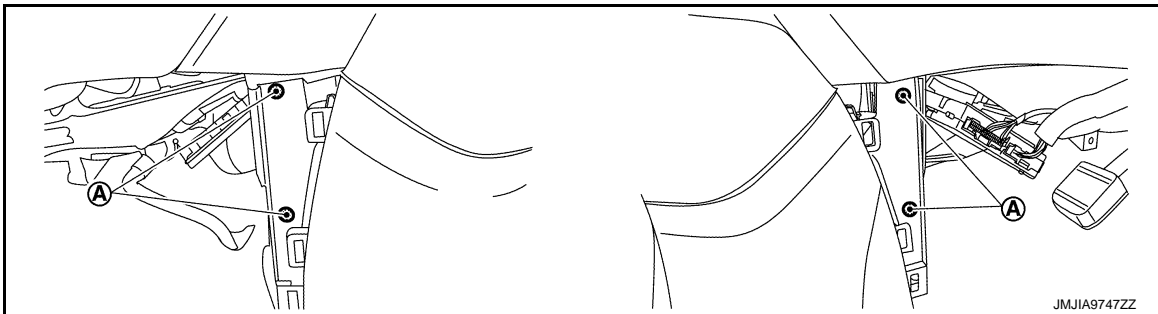
 : Metal clip



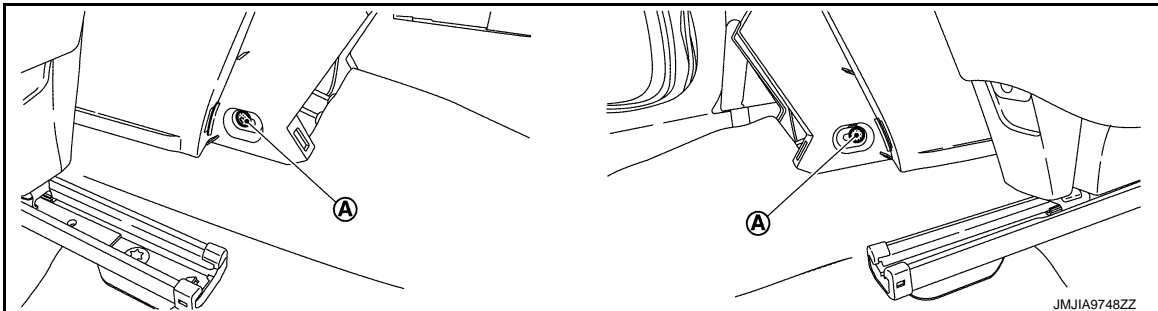
- c. Remove the following part after removing console rear finisher assembly. (if equipped)
Rear ventilator grille: Refer to [VTL-14. "REAR VENTILATOR GRILLE : Removal and Installation"](#).

10. Remove center console assembly fixing screws (A).

• Front side



• Rear side

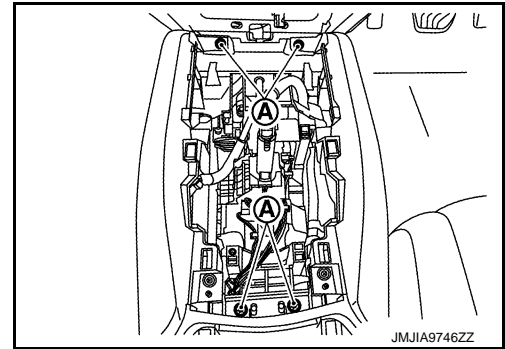


CENTER CONSOLE ASSEMBLY

< REMOVAL AND INSTALLATION >

[RHD MODELS]

- Upper side



11. Disconnect harness connectors and harness clips, and then remove center console assembly.
12. Remove the following part after removing center console assembly. (if equipped)
 - Power socket: Refer to [PWO-9, "CONSOLE POWER SOCKET : Removal and Installation"](#).
 - Rear ventilator duct 2: Refer to [VTL-14, "REAR VENTILATOR DUCT 2 : Removal and Installation"](#).

INSTALLATION

Install in the reverse order of removal.

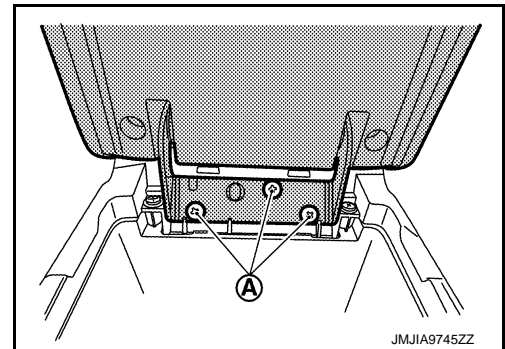
Disassembly and Assembly

INFOID:0000000010981699

Disassembly and Assembly of Center Console Assembly

DISASSEMBLY

Remove console lid fixing screws ①, and then remove console lid.



ASSEMBLY

Assemble in the reverse order of disassembly.