SECTION IP
INSTRUMENT PANEL

CONTENTS

PRECAUTION

PRECAUTIONS

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

INFOID:0000000011490022

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

WARNING:

Always observe the following items for preventing accidental activation.

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

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

WARNING:

Always observe the following items for preventing accidental activation.

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

Precautions Necessary for Steering Wheel Rotation After Battery Disconnection

INFOID:0000000011772964

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.
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.

Precaution for Battery Service

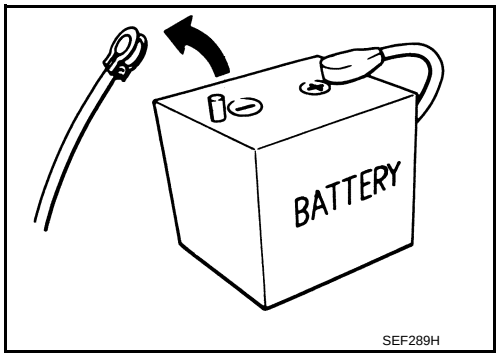
INFOID:0000000011490023

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

Precautions for Removing Battery Terminal

INFOID:0000000011490024

- When removing the 12V battery terminal, turn OFF the ignition switch and wait at least 30 seconds.
  NOTE:
  ECU may be active for several tens of seconds after the ignition switch is turned OFF. If the battery terminal is removed before ECU stops, then a DTC detection error or ECU data corruption may occur.
- For vehicles with the 2-batteries, be sure to connect the main battery and the sub battery before turning ON the ignition switch.
  NOTE:
  If the ignition switch is turned ON with any one of the terminals of main battery and sub battery disconnected, then DTC may be detected.



- After installing the 12V battery, always check "Self Diagnosis Result" of all ECUs and erase DTC.
  NOTE:
  The removal of 12V battery may cause a DTC detection error.

Precaution

INFOID:0000000011490025

- 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 by using 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 in the following way.

Water-soluble stains:
Dip a soft cloth in warm water, and then squeeze it tightly. After wiping 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 clean off the stain with the cloth. Next, dip the cloth in fresh water and squeeze it tightly. Then clean off the detergent completely. Finally, wipe the area with a soft dry cloth.

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

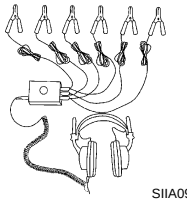
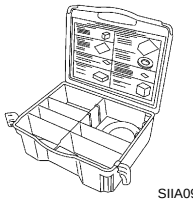
PREPARATION

PREPARATION

Special Service Tools

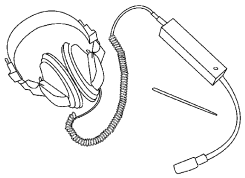
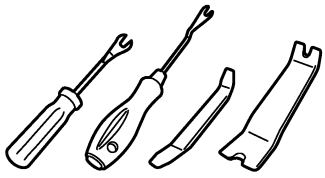
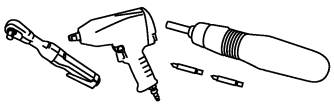
INFOID:0000000011490026

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

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

Commercial Service Tools

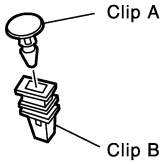
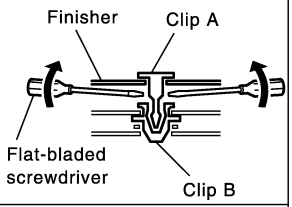
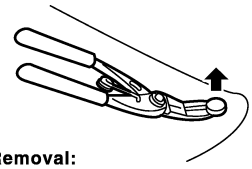
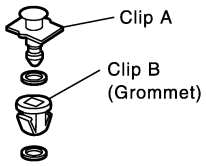
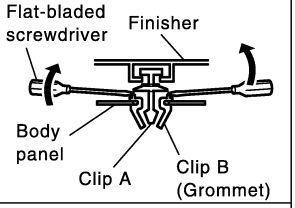
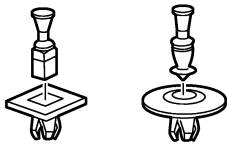
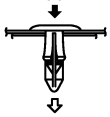
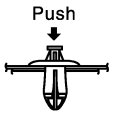
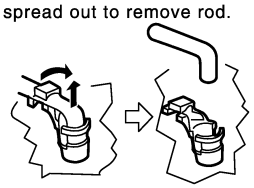
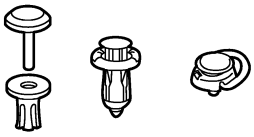
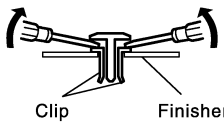
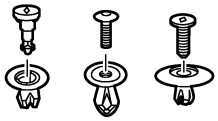
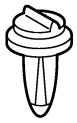
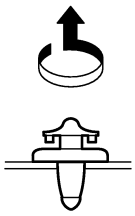
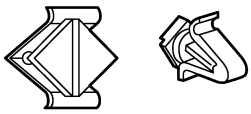
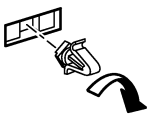
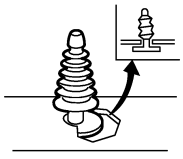
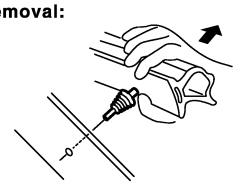
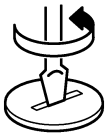
INFOID:0000000011490027

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

CLIP LIST

Clip List

INFOID:0000000011490028

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:** 		**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:**  **Removal:**  **Installation:** 
	**Removal:** 		**Removal:** 

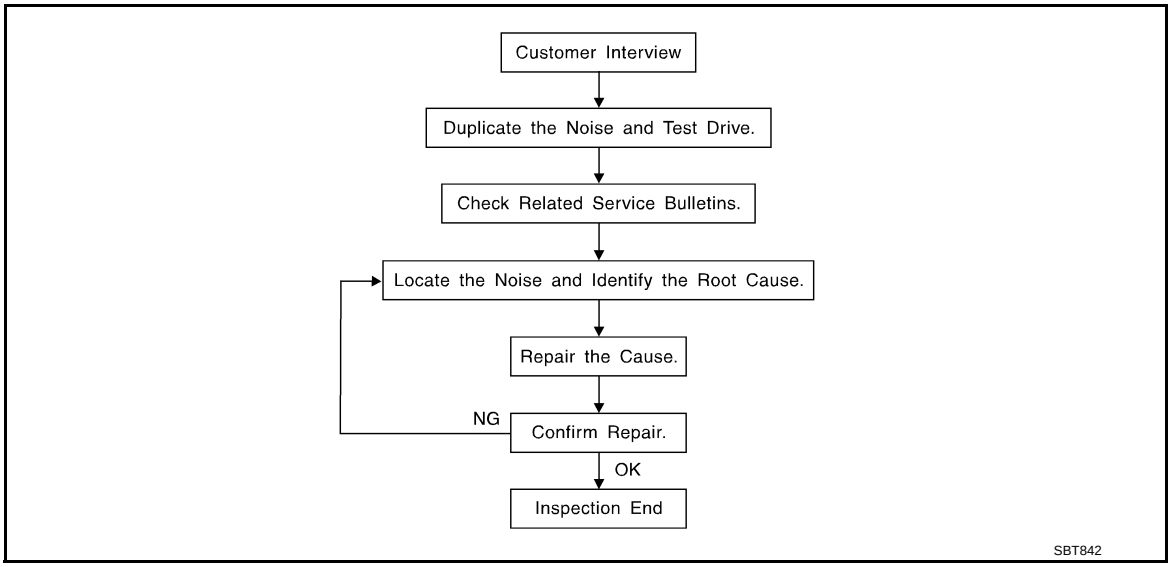
JMJIA3734GB

SYMPTOM DIAGNOSIS

SQUEAK AND RATTLE TROUBLE DIAGNOSES

Work Flow

INFOID:0000000011490029



CUSTOMER INTERVIEW

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

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

DUPLICATE THE NOISE AND TEST DRIVE

If possible, drive the vehicle with the customer until the noise is duplicated. Note any additional information on the Diagnostic Worksheet regarding the conditions or location of the noise. This information can be used to duplicate the same conditions when the repair is reconfirmed.
If the noise can be duplicated easily during the test drive, to help identify the source of the noise, try to duplicate the noise with the vehicle stopped by doing one or all of the following:
1) Close a door.
2) Tap or push/pull around the area where the noise appears to be coming from.
3) Rev the engine.
4) Use a floor jack to recreate vehicle “twist”.
5) At idle, apply engine load (electrical load, half-clutch on M/T models, drive position on A/T models).
6) Raise the vehicle on a hoist and hit a tire with a rubber hammer.

- Drive the vehicle and attempt to duplicate the conditions the customer states exist when the noise occurs.
- If it is difficult to duplicate the noise, drive the vehicle slowly on an undulating or rough road to stress the vehicle body.

CHECK RELATED SERVICE BULLETINS

After verifying the customer concern or symptom, check ASIST for Technical Service Bulletins (TSBs) related to that concern or symptom.
If a TSB relates to the symptom, follow the procedure to repair the noise.

LOCATE THE NOISE AND IDENTIFY THE ROOT CAUSE

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

- Removing the components in the area that is are suspected to be the cause of the noise.
  Do not use too much force when removing clips and fasteners, otherwise clips and fastener can be broken or lost during the repair, resulting in the creation of new noise.
- Tapping or pushing/pulling the component that is are suspected to be the cause of the noise.
  Do not tap or push/pull the component with excessive force, otherwise the noise will be eliminated only temporarily.
- Feeling for a vibration by hand by touching the component(s) that is are suspected to be the cause of the noise.
- Placing a piece of paper between components that are suspected to be the cause of the noise.
- Looking for loose components and contact marks.
  Refer to IP-8, "Inspection Procedure".

REPAIR THE CAUSE

- If the cause is a loose component, tighten the component securely.
- If the cause is insufficient clearance between components:

- Separate components by repositioning or loosening and retightening the component, if possible.
- Insulate components with a suitable insulator such as urethane pads, foam blocks, felt cloth tape or urethane tape. A Nissan Squeak and Rattle Kit (J-50397) is available through the authorized Nissan Parts Department.

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

NOTE:
Always check with the Parts Department for the latest parts information.
The following materials are contained in the Nissan Squeak and Rattle Kit (J-50397). are listed on the inside cover of the kit, and can each be ordered separately as needed.
URETHANE PADS [1.5 mm (0.059 in) thick]
Insulates connectors, harness, etc.
- 76268-9E005: 100 × 135 mm (3.937 × 5.315 in)
- 76884-71L01: 60 × 85 mm (2.362 × 3.346 in)
- 76884-71L02:15 × 25 mm (0.591 × 0.984 in)

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

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

FELT CLOTHTAPE

Used to insulate where movement does not occur. Ideal for instrument panel applications.
- 68370-4B000: 15 × 25 mm (0.59 × 0.984 in) pad
- 68239-13E00: 5 mm (0.197 in) wide tape roll

The following materials, not found in the kit, can also be used to repair squeaks and rattles.
UHMW (TEFLON) TAPE
Insulates where slight movement is present. Ideal for instrument panel applications.
SILICONE GREASE
Used in place of UHMW tape that is be visible or does not fit. Will only last a few months.
SILICONE SPRAY
Used when grease cannot be applied.
DUCT TAPE
Used to eliminate movement.

CONFIRM THE REPAIR

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

Inspection Procedure

INFOID:0000000011490030

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

INSTRUMENT PANEL

Most incidents are caused by contact and movement between:

1. The cluster lid A and instrument panel
2. Acrylic lens and combination meter housing
3. Instrument panel to front pillar garnish
4. Instrument panel to windshield
5. Instrument panel mounting pins
6. Wiring harnesses behind the combination meter
7. A/C defroster duct and duct joint
   These incidents can usually be located by tapping or moving the components to duplicate the noise or by pressing on the components while driving to stop the noise. Most of these incidents can be repaired by applying felt cloth tape or silicon spray (in hard to reach areas). Urethane pads can be used to insulate wiring harness.
   CAUTION:
   Never use silicone spray to isolate a squeak or rattle. If the area is saturated with silicone, the recheck of repair becomes impossible.

CENTER CONSOLE

Components to pay attention to include:

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

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

DOORS

Pay attention to the following:

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

Tapping or moving the components or pressing on them while driving to duplicate the conditions can isolate many of these incidents. The areas can usually be insulated with felt cloth tape or insulator foam blocks from the Nissan Squeak and Rattle Kit (J-50397) to repair the noise.

TRUNK

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

1. Trunk lid dumpers out of adjustment

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

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

SUNROOF/HEADLINING

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

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

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

SEATS

When isolating seat noise it's important to note the position the seats in and the load placed on the seat when the noise occurs. These conditions should be duplicated when verifying and isolating the cause of the noise.
Cause of seat noise include:

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

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

UNDERHOOD

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

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

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

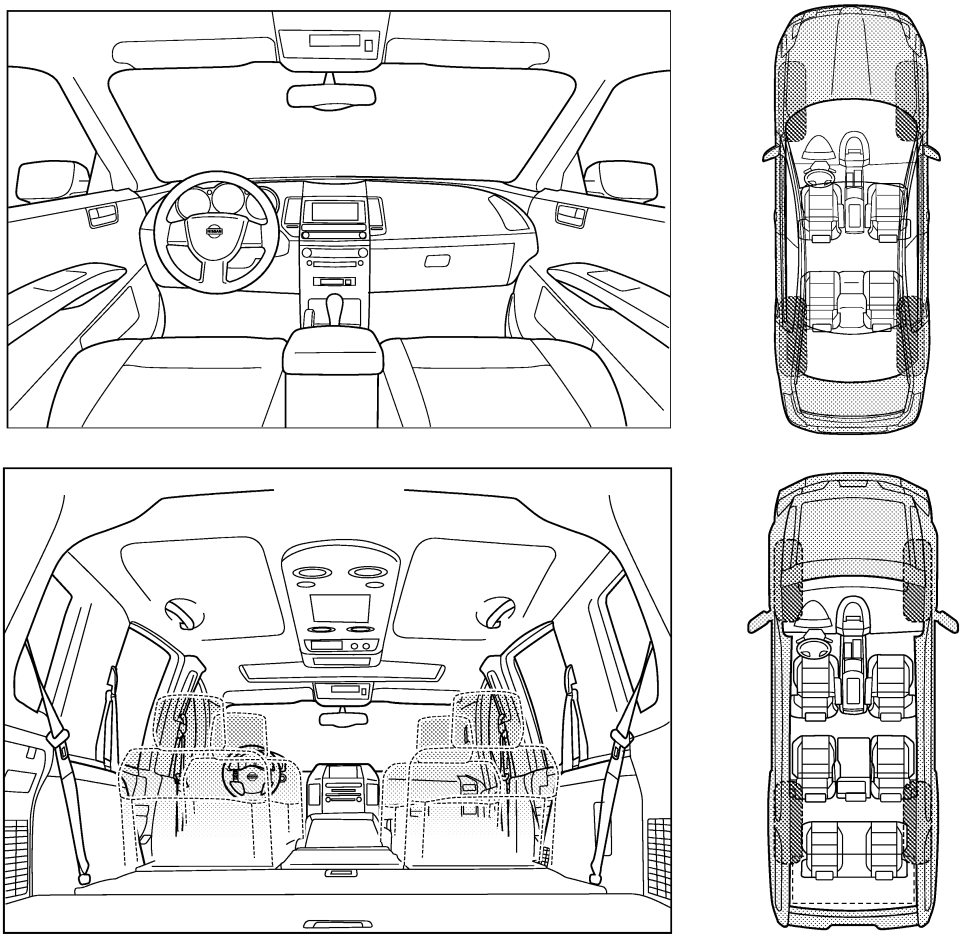
Diagnostic Worksheet

INFOID:0000000011490031

SQUEAK & RATTLE
DIAGNOSTIC WORKSHEET

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

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



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

PIIB8740E

SQUEAK & RATTLE DIAGNOSTIC WORKSHEET - page 2

Briefly describe the location where the noise occurs:

_____

_____

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

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

III. WHEN DRIVING:

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

IV. WHAT TYPE OF NOISE

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

TO BE COMPLETED BY DEALERSHIP PERSONNEL

Test Drive Notes:

_____

_____

_____

	YES	NO	Initials of person performing
Vehicle test driven with customer	☐	☐	_____
- Noise verified on test drive	☐	☐	_____
- Noise source located and repaired	☐	☐	_____
- Follow up test drive performed to confirm repair	☐	☐	_____

VIN: _____ Customer Name: _____

W.O.# _____ Date: _____

This form must be attached to Work Order

PIIB8742E

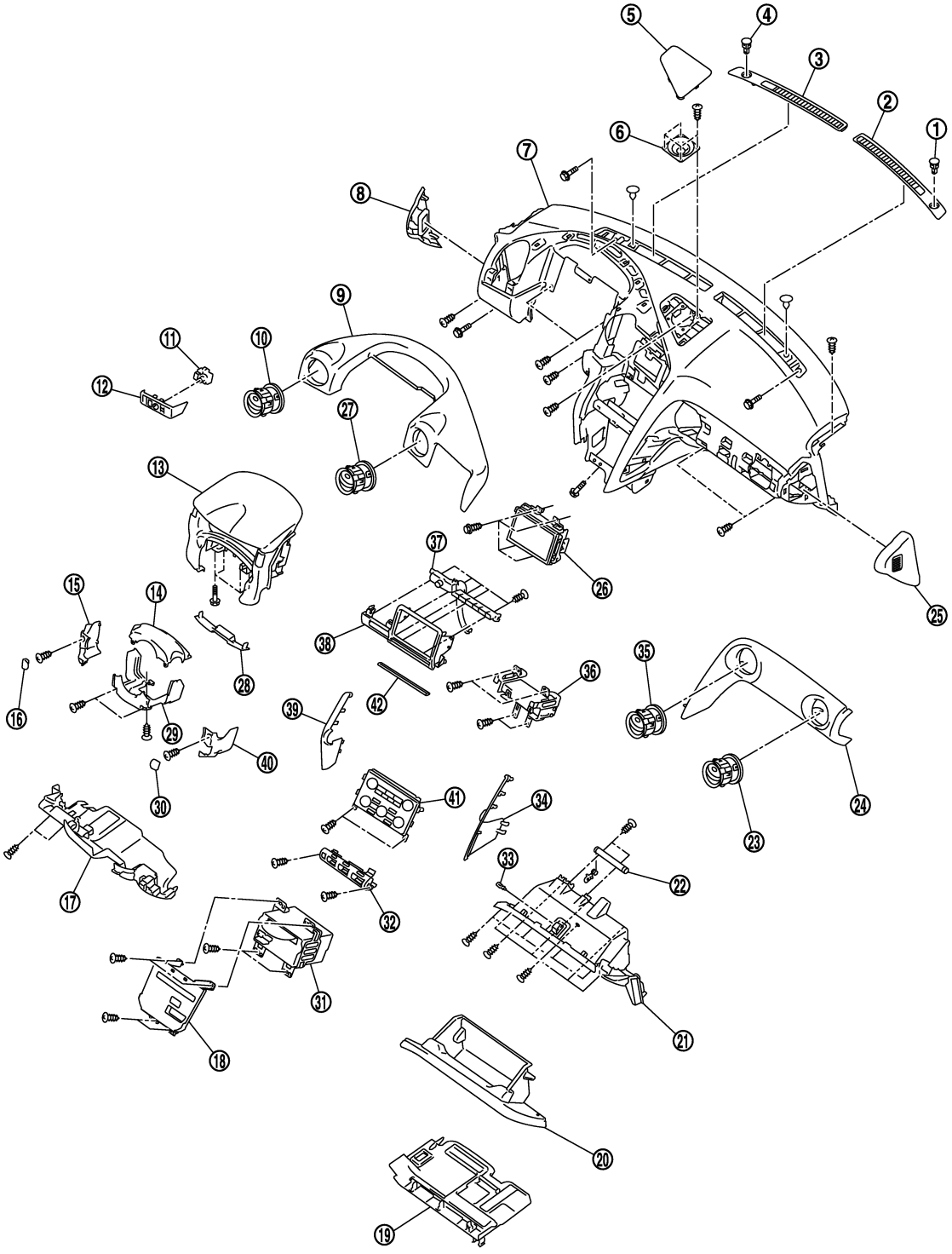
REMOVAL AND INSTALLATION

INSTRUMENT PANEL ASSEMBLY

Exploded View

INFOID:0000000011490032

SEC. 680



JMJIA2175ZZ

1. Sunload sensor
2. Front defroster grille RH
3. Front defroster grille LH
4. Security indicator
5. Center speaker grille
6. Center speaker
7. Instrument panel assembly
8. Instrument side finisher LH
9. Instrument pad A
10. Side ventilator grille LH
11. Mirror control switch
12. Instrument pad B
13. Cluster lid A
14. Steering column upper cover
15. Steering column side cover LH
16. Steering column mask LH
17. Instrument lower panel (driver)
18. Cluster lid C (lower)
19. Instrument lower cover LH
20. Glove box assembly
21. Instrument lower panel (assist)
22. Globe box damper
23. Side ventilator grille RH
24. Instrument pad C
25. Instrument side finisher RH
26. Display unit
27. Center ventilator grille LH
28. Steering column front lower cover
29. Steering column lower cover
30. Steering column mask RH
31. AV C/U
32. Set-up switch assembly
33. Socket & bulb
34. Instrument garnish RH
35. Center ventilator grille RH
36. A/C auto amp.
37. Multifunction switch
38. Cluster lid C (upper)
39. Instrument garnish LH
40. Steering column side cover RH
41. Preset switch assembly
42. Instrument garnish (upper)

Removal and Installation

INFOID:0000000011490033

Work item table

PARTS	INSTRUMENT PANEL ASSEMBLY	COMBINATION METER	DISPLAY UNIT	AV control unit	CENTER CONSOLE ASSEMBLY
Rear console assembly	[1]				[1]
Instrument garnish LH	[2]		[1]	[1]	[2]
Instrument garnish RH	[3]		[2]	[2]	[3]
Console finisher assembly	[4]			[3]	[4]
Instrument side panel LH	[5]				[5]
Instrument side panel RH	[6]				[6]
Center console assembly	[7]				[7]
A/T shift selector assembly	[8]				
Preset switch assembly	[9]		[3]	[4]	
Set-up switch assembly	[10]			[5]	
Cluster lid C (lower)	[11]			[6]	
AV control unit	[12]			[7]	
A/C auto amp.	[13]				
Instrument side finisher LH	[14]				
Body side welt LH	[15]				
Front pillar garnish LH	[16]				
Instrument lower panel (driver)	[17]				
Driver air bag module	[18]	[1]	[4]		
Steering wheel	[19]	[2]	[5]		
Steering column front lower cover	[20]	[3]	[6]		
Steering column cover	[21]	[4]	[7]		
Combination switch	[22]	[5]	[8]		
Cluster lid A	[23]	[6]	[9]		
Power socket	[24]				
Instrument pad A	[25]		[10]		
Display unit	[26]		[11]		

PARTS	INSTRUMENT PANEL ASSEMBLY	COMBINATION METER	DISPLAY UNIT	AV control unit	CENTER CONSOLE ASSEMBLY
Instrument pad B	[27]				
Front defroster grille LH	[28]				
Center speaker grille	[29]				
Center speaker	[30]				
Front defroster grille RH	[31]				
Instrument side finisher RH	[32]				
Body side welt RH	[33]				
Front pillar garnish RH	[34]				
Glove box lid	[35]				
Instrument lower cover RH	[36]				
Instrument lower panel (assist)	[37]				
Instrument pad C	[38]				
Instrument panel assembly	[39]				

[ ]: Number indicates step in removal procedure.

WARNING:

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

CAUTION:

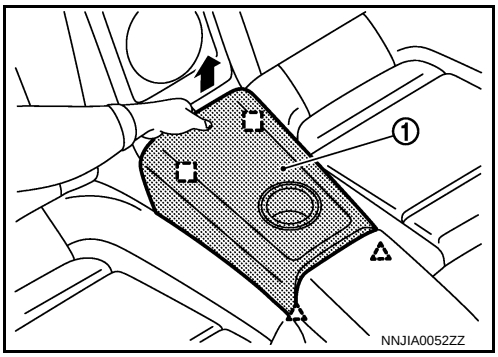
- **When removing, always use a remover tool that is made of plastic.**
- **Never apply any chemical products like wax, coating agent, and compound for carbon parts. They are produced by composite manufacturing methods similar to a racing vehicle and special paint is adopted to enhance the look and feel of materials. (Otherwise, water may penetrate to carbon layers and may cause corrosion.)**
- **Never place any carbon parts directly on the ground. Always protect them using a soft sheet during removal, installation, and replacement operations.**

REMOVAL

1. Remove rear console assembly.
   1. Lift up rear side of rear console assembly (1), and then disengage pawls and metal clips.
   2. Disconnect harness connector on the back.

: Pawl

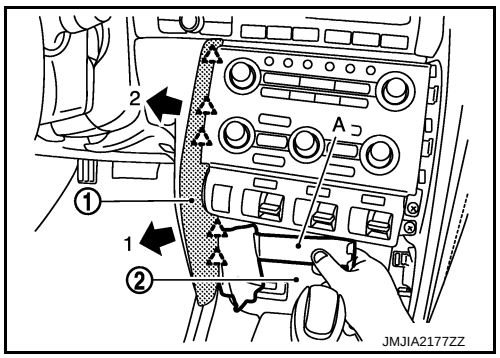
: Metal clip



2. Remove instrument garnish LH.

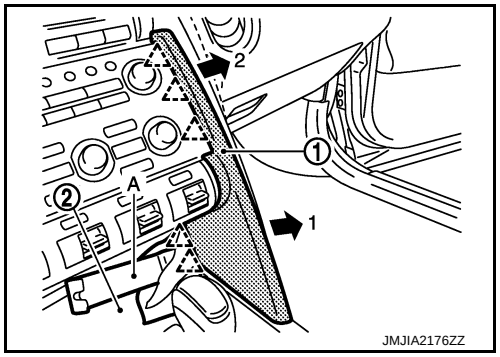
1. Insert remover tool (A), wrapped in a shop cloth, into clearance between lower side of instrument garnish LH (1) and cluster lid C (lower) (2).
2. Pull back instrument garnish LH, and then disengage pawls.

: Pawl



3. Remove instrument garnish RH.
   1. Insert remover tool (A), wrapped in a shop cloth, into clearance between lower side of instrument garnish RH (1) and cluster lid C (lower) (2).
   2. Pull back instrument garnish RH, and then disengage pawls.

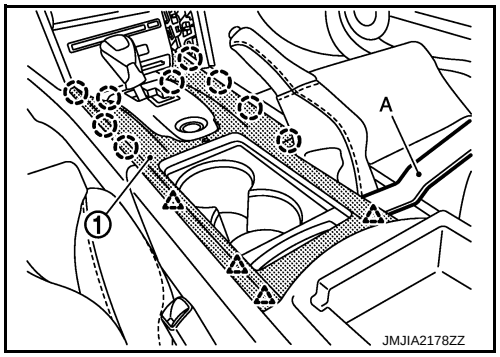
: Pawl



4. Remove console finisher.
   1. Open console lid.
   2. Insert remover tool (A) between console finisher (1) and center console, lift up console finisher, and then disengage clips and pawls.

: Clip

: Pawl



5. Remove instrument side panel LH.

Standard models

- Pull instrument side panel LH (1) from vehicle front in lateral direction, then disengage clips, pawl and metal clips.

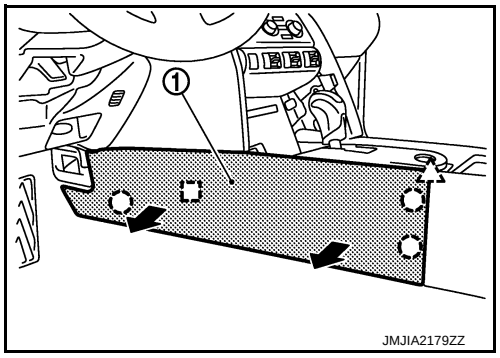
CAUTION:

Never the pawl when disengaging clips.

: Clip

: Pawl

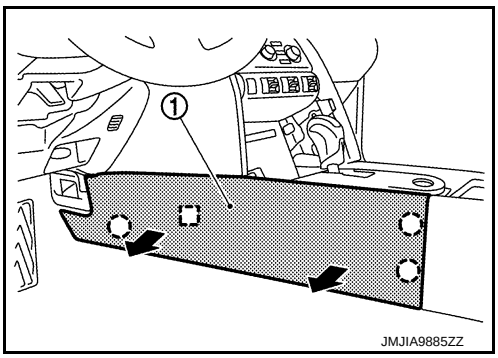
: Metal clip



Fashionable interior models

- Pull instrument side panel LH (1) from vehicle front in lateral direction, then disengage clips and metal clips.

: Clip
: Metal clip



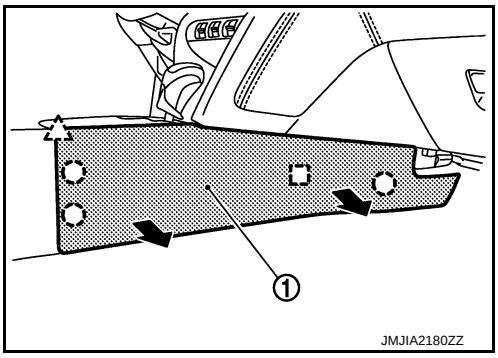
6. Remove instrument side panel RH.

Standard models

- Pull instrument side panel RH (1) from vehicle front in lateral direction, then disengage clips, pawl and metal clips.

CAUTION:
Never the pawl when disengaging clips.

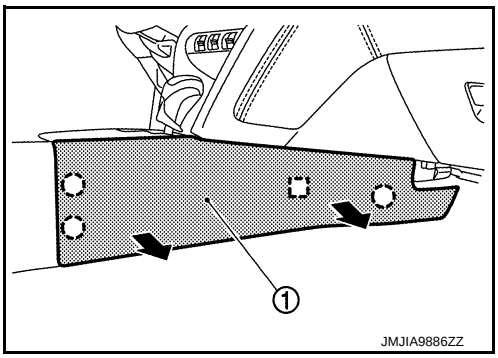
: Clip
: Pawl
: Metal clip



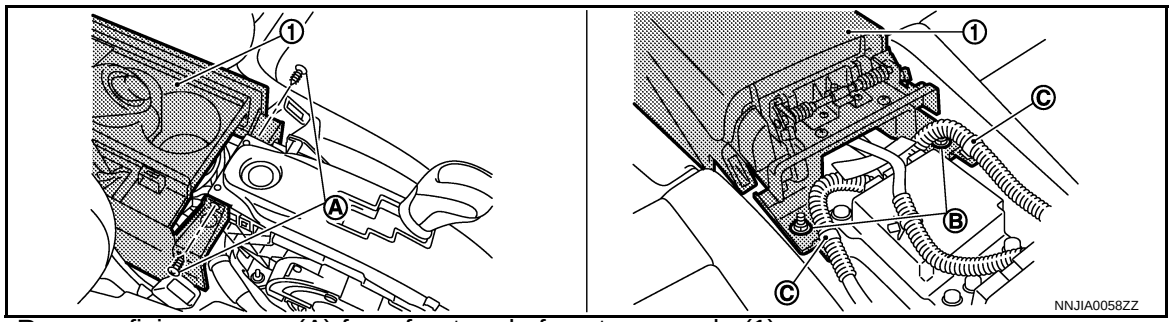
Fashionable interior models

- Pull instrument side panel RH (1) from vehicle front in lateral direction, then disengage clips and metal clips.

: Clip
: Metal clip



7. Remove center console assembly.

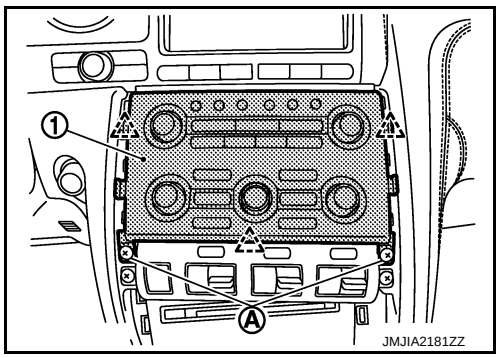


1. Remove fixing screws (A) from front end of center console (1).
2. Remove mounting nuts (B) from rear end of center console.
3. Lift up center console, and then remove harness clamps (C) and disconnect harness connector from back side.

8. Remove A/T shift selector assembly. Refer to TM-375, "Removal and Installation".
9. Remove preset switch assembly. Refer to AV-180, "Removal and Installation".
   1. Remove instrument garnish (upper) using remover tool.

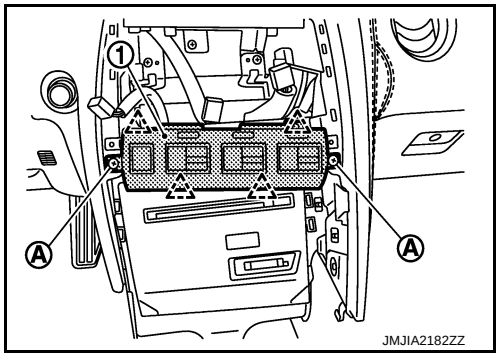
2. Remove fixing screw (A) of preset switch assembly (1).
3. Pull back preset switch assembly, and then disengage pawls.
4. Disconnect harness connectors on the back.

: Pawl

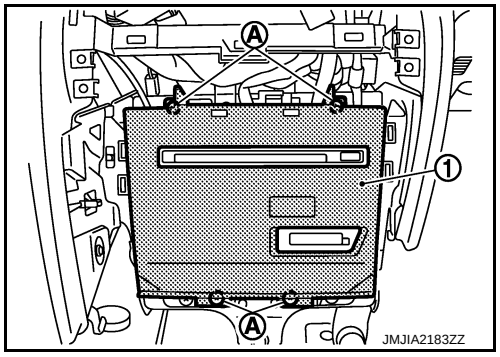


10. Remove set-up switch assembly.
    1. Remove fixing screws (A) of set-up switch assembly (1).
    2. Pull back set-up switch assembly, and then disengage pawls.
    3. Disconnect harness connector on the back.

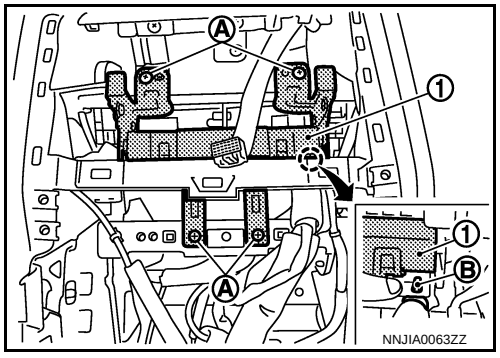
: Pawl



11. Remove cluster lid C (lower).
    1. Remove fixing screws (A) of cluster lid C (lower) (1).
    2. Pull back cluster lid C (lower).
    3. Disconnect harness connector of back side and harness connector of inside key antenna.



12. Remove AV control unit. Refer to AV-166, "Removal and Installation".
13. Remove A/C auto amp.
    1. Remove fixing screws (A) of A/C auto amp (1).
    2. Disengage joint of harness clamp (B).
    3. Pull back A/C auto amp.
    4. Disconnect harness connectors on the back.

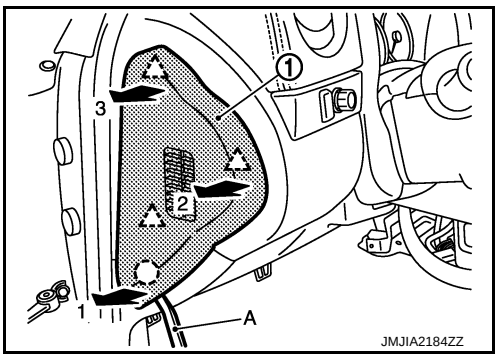


14. Remove instrument side finisher LH.

1. Insert remover tool (A) between instrument side finisher LH (1) and instrument panel assembly.
2. Pull instrument side finisher LH in lateral direction of vehicle in order from 1 - 3, and then disengage clip and pawls.

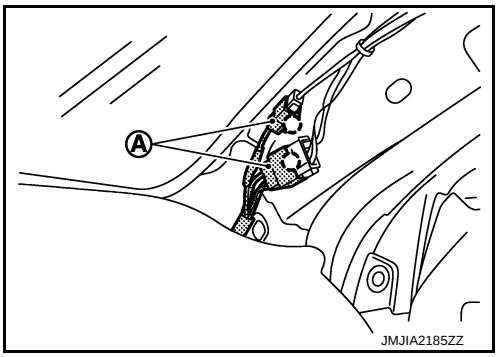
: Clip

: Pawl



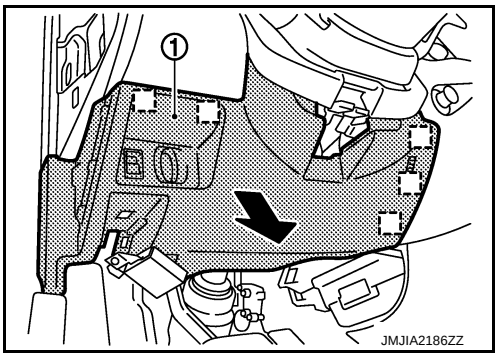
15. Remove body side welt LH. Refer to INT-15, "Removal and Installation".
16. Remove front pillar garnish LH. Refer to INT-15, "Removal and Installation".
17. Disconnect harness connectors (A) from front pillar LH and remove clips.

: Clip



18. Remove instrument lower panel (driver).
    1. Remove hood opener lever mounting bolts.
    2. Pull back instrument lower panel (driver) (1) toward vehicle lower, and then disengage metal clips.
    3. Disconnect harness connectors on the back.

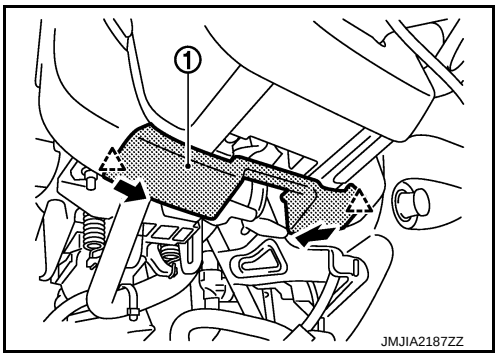
: Metal clip



19. Remove steering wheel. Refer to ST-14, "Removal and Installation".
20. Remove steering column front lower cover.
    Pull down steering column front lower cover (1) toward vehicle lower, and then disengage clips.

: Pawl

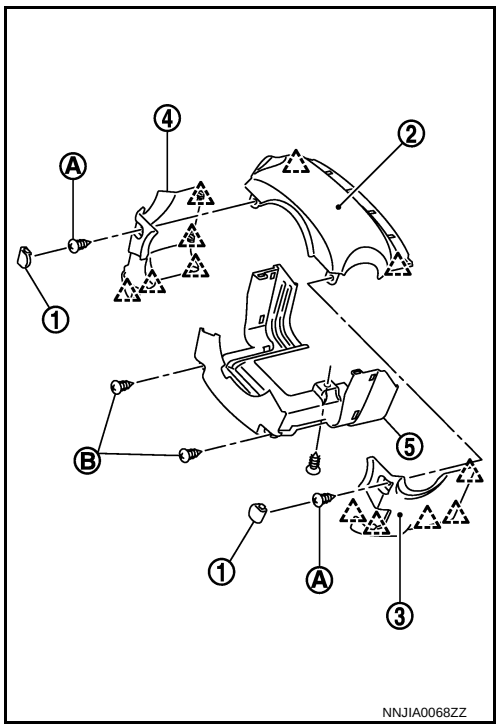
NOTE:
Move steering column position frontward using telescopic function.



21. Remove steering column cover.

1. Remove steering column mask LH and RH (1), and then remove screws (A).
2. Pull up steering column upper cover (2), and then disengage pawls.
3. Disengage pawls of steering column side cover RH (3), and then remove it in lateral direction of vehicle.
4. Disengage pawls of steering column side cover LH (4), and then remove it in lateral direction of vehicle.
5. Remove fixing screws (B), and then remove steering column lower cover (5).

: Pawl



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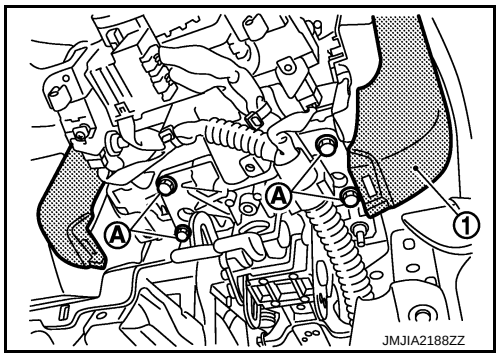
22. Remove spiral cable. Refer to SR-14, "Removal and Installation".
23. Remove combination switch. Refer to BCS-90, "Removal and Installation".
24. Remove cluster lid A.
    1. Remove mounting bolts (A) from lower side of cluster lid A (1).
    2. Pull cluster lid A toward vehicle upper.
    3. Disconnect harness connector on the back.



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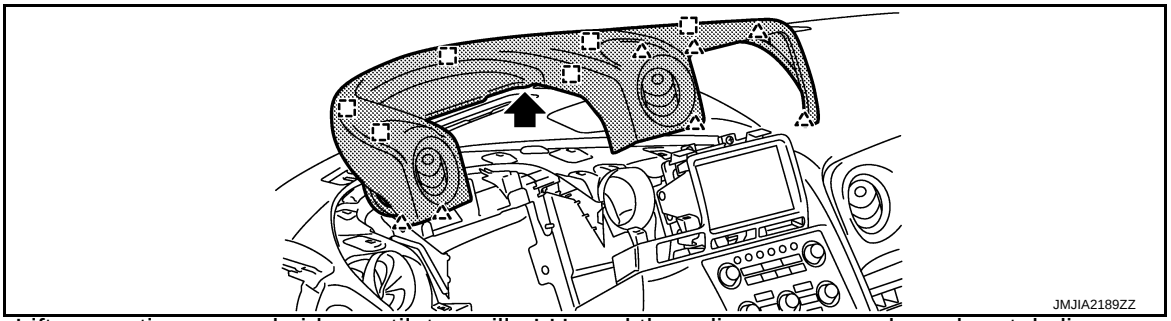
25. Remove power socket. Refer to PWO-8, "INSTRUMENT POWER SOCKET : Removal and Installation".
26. Remove instrument pad A.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1. Lift up portion around side ventilator grille LH, and then disengage pawls and metal clips.
2. Lift up portion around center ventilator grille LH, and then disengage pawls and metal clips.
3. Lift up portion around display unit RH, and then disengage pawls and metal clips.

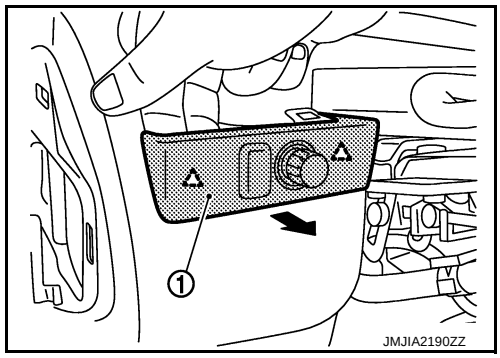
: Pawl

: Metal clip

27. Remove display unit. Refer to AV-168, "Removal and Installation".

28. Remove remote keyless entry receiver. Refer to DLK-267, "Removal and Installation".
29. Remove instrument pad B.
    1. Pull back instrument pad B (1), and then disengage clips.
    2. Disconnect harness connector on the back.

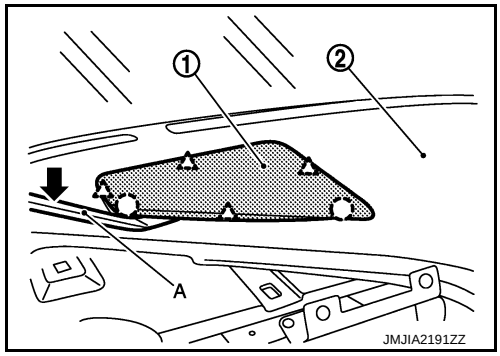
    : Pawl



30. Remove front defroster grille LH. Refer to VTL-9, "FRONT DEFROSTER GRILLE : Removal and Installation".
31. Remove center speaker grille.
    1. Insert remover tool (A) between center speaker grille (1) and instrument panel assembly (2), and then disengage clips and pawls.
    2. Lift upward.

    : Clip

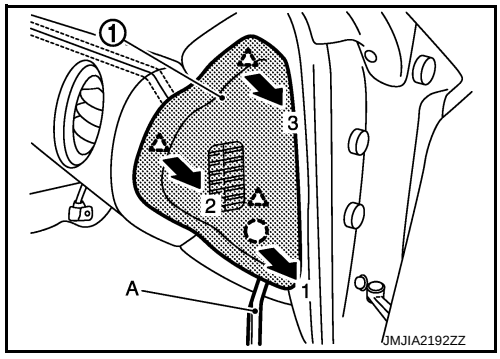
    : Pawl



32. Remove center speaker (BOSE audio with NAVI models). Refer to AV-172, "Removal and Installation".
33. Remove front defroster grille RH. Refer to VTL-9, "FRONT DEFROSTER GRILLE : Removal and Installation".
34. Remove instrument side finisher RH.
    1. Insert remover tool (A) between instrument side finisher RH (1) and instrument panel assembly.
    2. Pull instrument side finisher RH in lateral direction in order of 1 - 3, and then disengage clip and pawls.

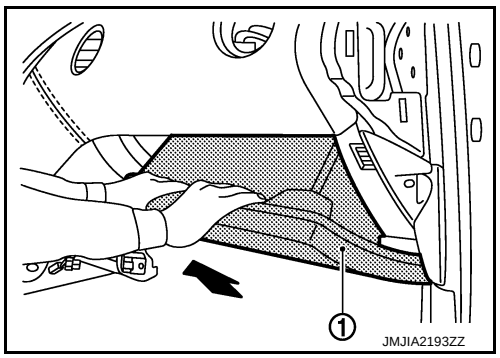
    : Clip

    : Pawl



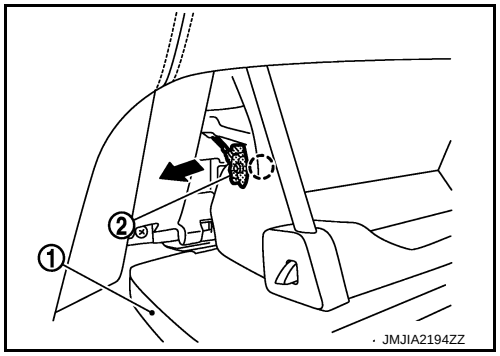
35. Remove body side welt RH. Refer to INT-15, "Removal and Installation".
36. Remove front pillar garnish RH. Refer to INT-15, "Removal and Installation".
37. Remove glove box assembly.
    1. Open glove box.

2. Pull back glove box assembly (1) toward vehicle upper, and then disengage joint from instrument lower panel RH.



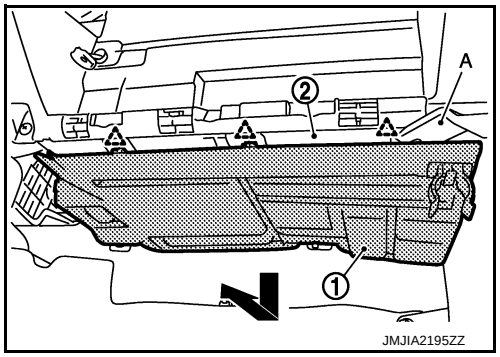
3. Remove damper pin (2) from glove box assembly (1).

: Clip

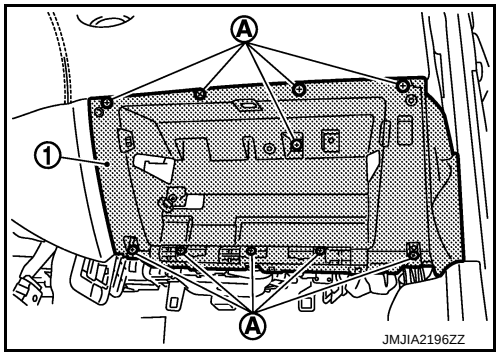


38. Remove instrument lower cover RH.
    1. Insert remover tool (A) between instrument lower cover RH (1) and instrument panel assembly (2), and then disengage pawls.
    2. Pull out instrument lower cover RH toward vehicle lower, then back.

: Pawl



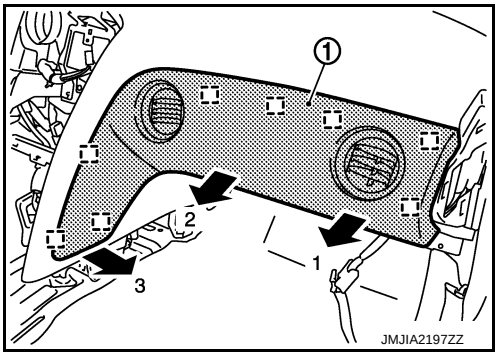
39. Remove instrument lower panel (assist).
    1. Remove fixing screws (A).
    2. Pull back out instrument lower panel (assist) (1).
    3. Disconnect harness connector of back side and remove harness clamp.



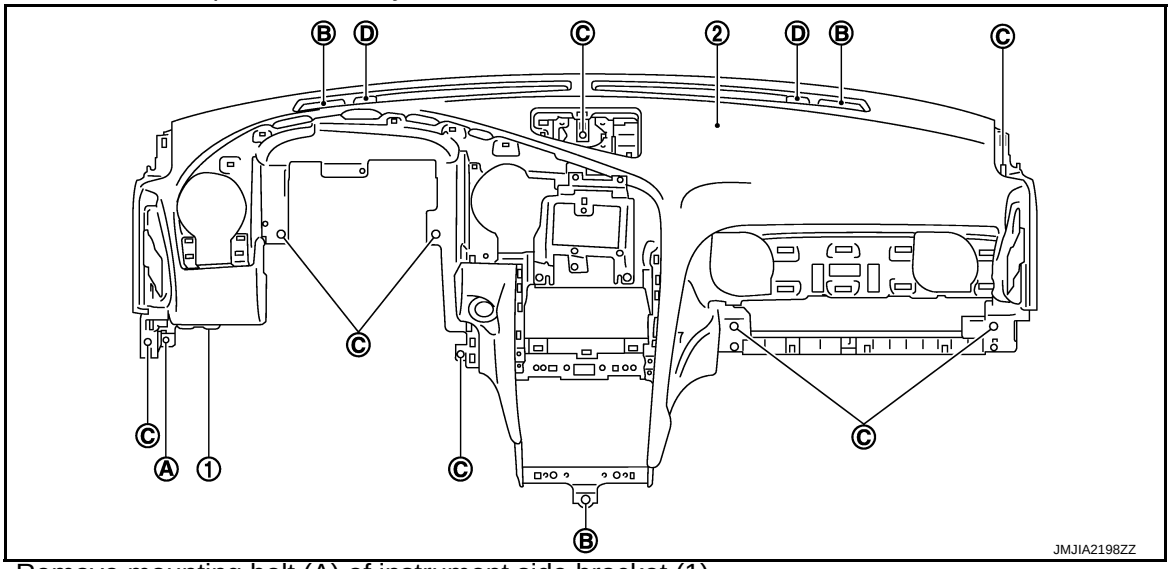
40. Remove instrument pad C.

Pull instrument pad C (1) in order from 1 - 3, and then disengage metal clips.

: Metal clip



41. Disconnect harness connector of passenger air bag module. Refer to SR-17, "Exploded View".
42. Remove passenger air bag module mounting bolt. Refer to SR-17, "Removal and Installation".
43. Remove instrument panel assembly.



1. Remove mounting bolt (A) of instrument side bracket (1).
2. Remove mounting bolt (B) of instrument panel assembly (2).
3. Remove fixing screw (C) of instrument panel assembly.
4. Remove front defroster nozzle mounting clip (D).
   CAUTION:
   Cover tool with a shop cloth to prevent windshield glass from being damaged.
5. Pull out instrument panel assembly toward rear of vehicle, and then remove it from door opening.
   CAUTION:
   When removing instrument panel assembly, 2 workers are required to prevent it from dropping.

44. Remove following parts after removing instrument panel assembly.
    - Passenger air bag module: Refer to SR-17, "Removal and Installation".
    - GPS antenna (BOSE audio with NAVI models): Refer to AV-184, "Removal and Installation".
    - Antenna feeder (BOSE audio with NAVI models): Refer to AV-186, "Feeder layout".
    - Monitor bracket

INSTALLATION

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

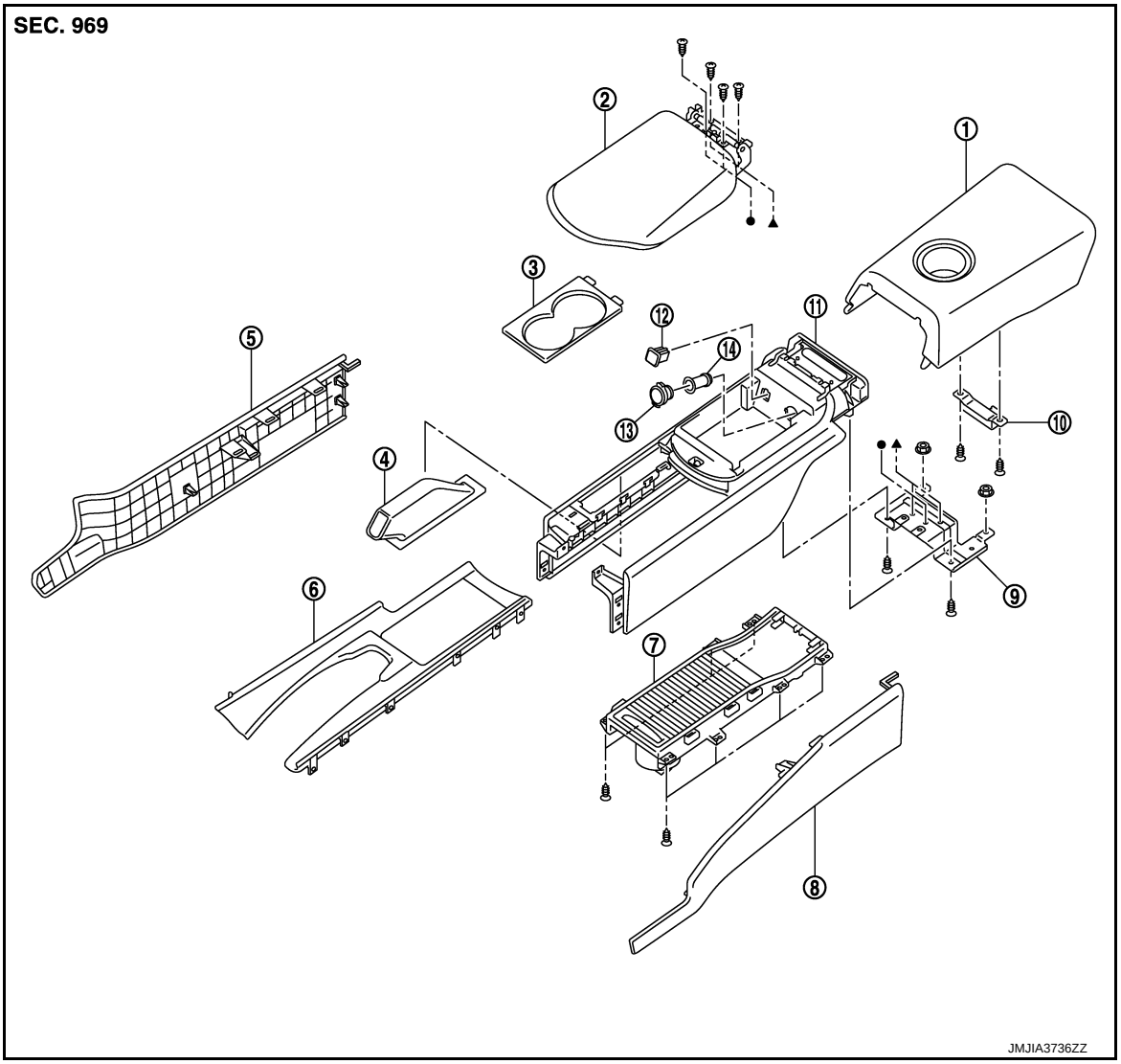
CAUTION:

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

CENTER CONSOLE ASSEMBLY

Exploded View

INFOID:0000000011490034



1. Rear console assembly
2. Console lid
3. Cup holder finisher
4. Parking brake lever boot
5. Instrument side panel RH
6. Console finisher assembly
7. Cup holder assembly
8. Instrument side panel LH
9. Console bracket
10. Inside key antenna
11. Center console assembly
12. USB connector
13. Socket knob
14. Power socket

Removal and Installation

INFOID:0000000011490035

CAUTION:

- **When removing, always use a remover tool that is made of plastic.**
- **Do not remove "Titanium muffler specifications" from console lid (except when replacing console lid). (with titanium muffler)**
- **When replacing the console lid, to reattach to the new console lid the peeled off "Titanium muffler specifications". (with titanium muffler)**

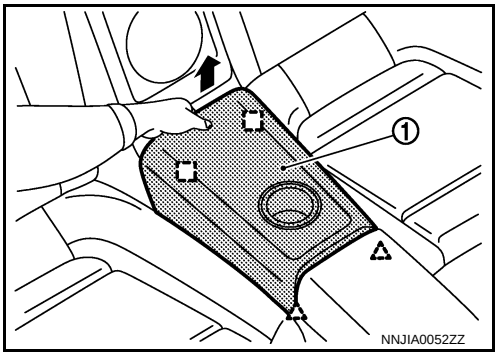
REMOVAL

1. Remove rear console assembly.

1. Lift up rear side of rear console assembly (1), and then disengage pawls and metal clips.
2. Disconnect harness connector on the back.

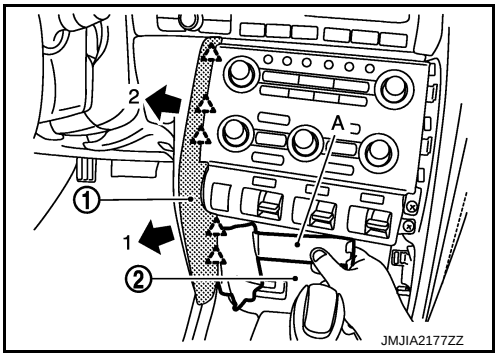
: Pawl

: Metal clip



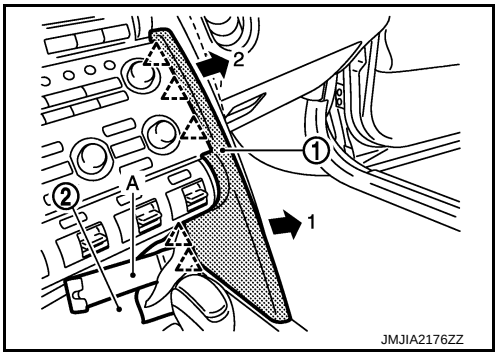
2. Remove instrument garnish LH.
   1. Insert remover tool (A), wrapped in a shop cloth, into clearance between lower side of instrument garnish LH (1) and cluster lid C (lower) (2).
   2. Pull back instrument garnish LH, and then disengage pawls.

: Pawl



3. Remove instrument garnish RH.
   1. Insert remover tool (A), wrapped in a shop cloth, into clearance between lower side of instrument garnish RH (1) and cluster lid C (lower) (2).
   2. Pull back instrument garnish RH, and then disengage pawls.

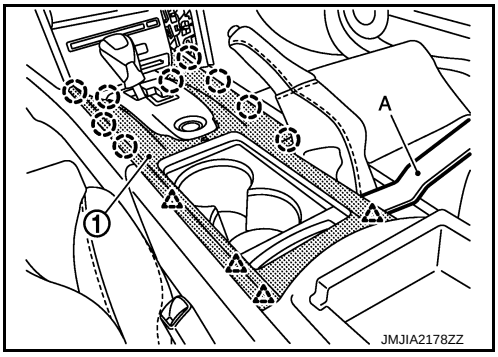
: Pawl



4. Remove console finisher.
   1. Open console lid.
   2. Insert remover tool (A) between console finisher (1) and center console, lift up console finisher, and then disengage clips and pawls.

: Clip

: Pawl



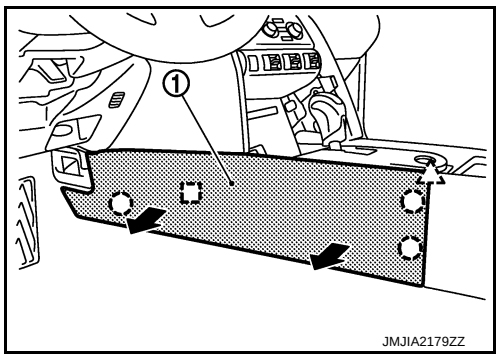
5. Remove instrument side panel LH.

Standard models

- Pull instrument side panel LH (1) from vehicle front in lateral direction, then disengage clips, pawl and metal clips.

CAUTION:
Never the pawl when disengaging clips.

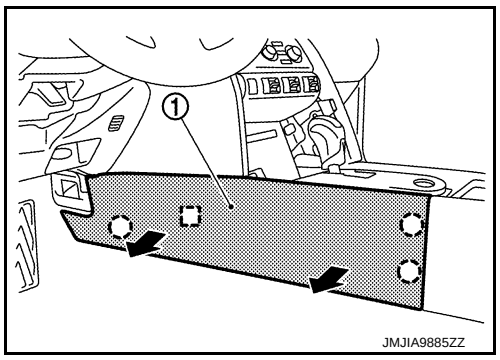
: Clip
: Pawl
: Metal clip



Fashionable interior models

- Pull instrument side panel LH (1) from vehicle front in lateral direction, then disengage clips and metal clips.

: Clip
: Metal clip



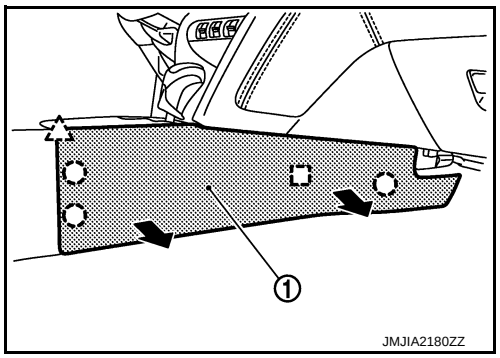
6. Remove instrument side panel RH.

Standard models

- Pull instrument side panel RH (1) from vehicle front in lateral direction, then disengage clips, pawl and metal clips.

CAUTION:
Never the pawl when disengaging clips.

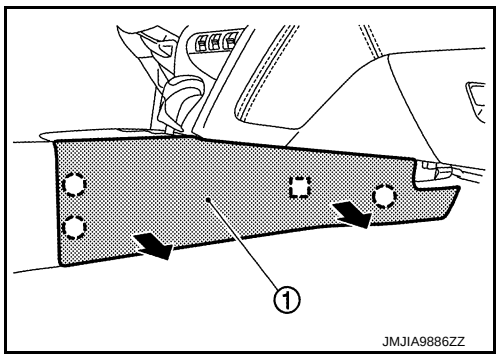
: Clip
: Pawl
: Metal clip



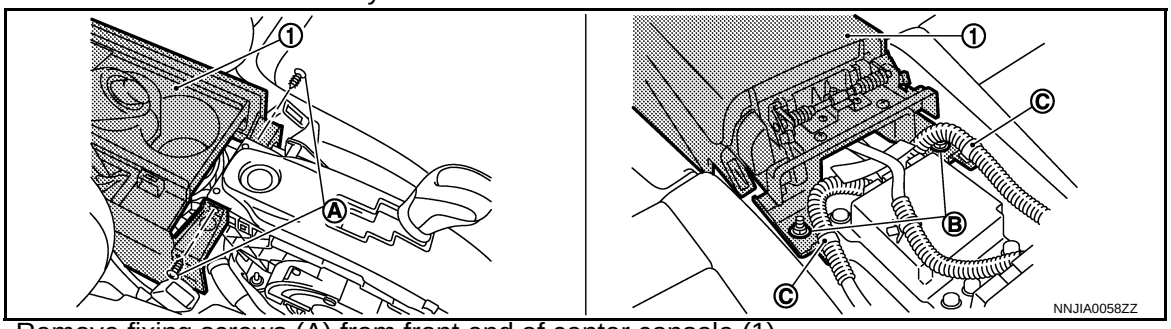
Fashionable interior models

- Pull instrument side panel RH (1) from vehicle front in lateral direction, then disengage clips and metal clips.

: Clip
: Metal clip



7. Remove center console assembly.



1. Remove fixing screws (A) from front end of center console (1).
2. Remove mounting nuts (B) from rear end of center console.
3. Lift up center console, and then remove harness clamps (C) and disconnect harness connector from back side.

INSTALLATION

Install in the reverse order of removal.

Disassembly and Assembly

INFOID:0000000011490036

CAUTION:

- **When removing, always use a remover tool that is made of plastic.**
- **Do not remove "Titanium muffler specifications" from console lid (except when replacing console lid). (with titanium muffler)**
- **When replacing the console lid, to reattach to the new console lid the peeled off "Titanium muffler specifications". (with titanium muffler)**

Disassembly

1. Remove center console assembly. Refer to IP-23, "Removal and Installation".
2. Remove fixing screws, and then remove console lid.
3. Remove fixing screws, and then remove cup holder assembly.
4. Remove parking brake lever boot from center console assembly.
5. Remove console power socket. Refer to PWO-9, "CONSOLE POWER SOCKET : Removal and Installation".
6. Remove USB connector. Refer to AV-187, "Removal and Installation".

Assembly

Assemble in the reverse order of disassembly.