SECTION IP
INSTRUMENT PANEL

CONTENTS

PRECAUTION 2

PRECAUTIONS 2
- Precaution for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TENSIONER" 2
- Precautions for Removing Battery Terminal 2
- Service 3

PREPARATION 4

PREPARATION 4
- Special Service Tools 4
- Commercial Service Tools 4

CLIP LIST 5
- Clip List 5

SYMPTOM DIAGNOSIS 6

SQUEAK AND RATTLE TROUBLE DIAGNOSES 6
- Work Flow 6
- Inspection Procedure 8
- Diagnostic Worksheet 10

REMOVAL AND INSTALLATION 12

INSTRUMENT PANEL ASSEMBLY 12
- Exploded View 12
- Removal and Installation 13

CENTER CONSOLE ASSEMBLY 21
- Exploded View 21
- Removal and Installation 22
- Disassembly and Assembly 24

PRECAUTION

PRECAUTIONS

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

INFOID:0000000013549003

Risk of injury

There is a risk of injury caused by parts becoming projectiles if uncontrolled deployment of air bag or seat belt pre-tensioner occurs, or by storing air bag with the deployment side facing downwards. When scrapping air bag or seat belt pre-tensioner by means of controlled deployment, there is also a danger present if a sufficiently safe distance is not maintained, or if opening using cutting torches or other cutting tools, or due to smelting or if parts that are not yet triggered are exposed to a blaze or a smoldering fire at landfills.

Safety instructions/precautions

- Removed air bag must always be stored with deployment side facing up.
- Acquisition, transportation, storage, testing and assembly work should only be performed or supervised by properly trained personnel.
- Install air bag or seat belt pre-tensioner immediately following retrieval from storage.
- Air bag and seat belt pre-tensioner must be protected from flying sparks, open fires and temperature exceeding 100°C (212°F).
- Never transport air bag and seat belt pre-tensioner in the passenger compartment. Store them securely in the luggage room of the vehicle in their original replacement part packaging and secure them so that they cannot slip around.
- Never allow air bag and seat belt pre-tensioner to come into contact with grease, oil, or cleaning agents.
- Perform system tests using approved testing equipment only, and only when the units are properly installed and the vehicle is unoccupied.
- Before the initial hookup of the battery or an external power supply, the ignition must be switched on and the vehicle unoccupied.
- Air bag and seat belt pre-tensioner that fall from a height of more than 0.5 m must be replaced.
- When scrapping by means of controlled deployment of air bag and seat belt pre-tensioner, a safe distance of at least 10 m must be maintained.
- Before starting work on air bag and seat belt pre-tensioner and work on components that are connected to air bag and seat belt pre-tensioner or require and intervention in their electric circuit (e.g. when removing the steering wheel):

- Disconnect any external power sources (e.g. charger).
- Disconnect and insulate ground line of battery

- Before starting bodywork in combination with welding or retrofitting, during which work is performed on uninsulated, current-carrying lines or require an intervention in their electric circuit (e.g. when removing the steering wheel):

- Disconnect any external power sources (e.g. charger).
- Disconnect and insulate ground line of battery.
- During welding, disconnect plug connection and from control unit of air bag.

- When the air bag deploys, the pyrofuse activates and the power source from the battery is disconnected. This prevents possible fires caused by electric leakage after an accident occurs.

Precautions for Removing Battery Terminal

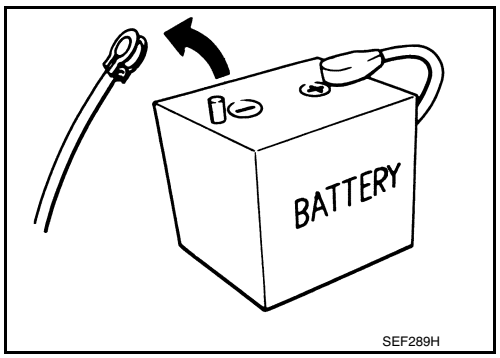
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When disconnecting the battery terminal, pay attention to the following.

- Always use a 12V battery as power source.
- Never disconnect battery terminal while engine is running.

- When removing the 12V battery terminal, turn OFF the ignition switch and wait at least 30 seconds.
- For vehicles with the engine listed below, remove the battery terminal after a lapse of the specified time:

BR08DE	: 4 minutes	YD25DDTi	: 2 minutes
D4D engine	: 20 minutes	YS23DDT	: 4 minutes
HRA2DDT	: 12 minutes	YS23DDTT	: 4 minutes
K9K engine	: 4 minutes	ZD30DDTi	: 60 seconds
M9R engine	: 4 minutes	ZD30DDTT	: 60 seconds
R9M engine	: 4 minutes		
V9X engine	: 4 minutes		



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.

- After high-load driving, if the vehicle is equipped with the V9X engine, turn the ignition switch OFF and wait for at least 15 minutes to remove the battery terminal.

NOTE:
- Turbocharger cooling pump may operate in a few minutes after the ignition switch is turned OFF.
- Example of high-load driving
  - Driving for 30 minutes or more at 140 km/h (86 MPH) or more.
  - Driving for 30 minutes or more on a steep slope.

- 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.

Service

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- 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 benzine.

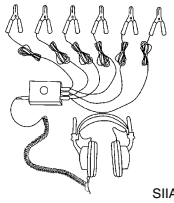
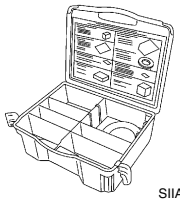
PREPARATION

PREPARATION

Special Service Tools

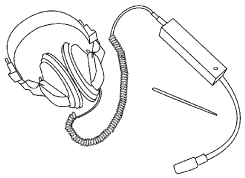
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The actual shapes of Kent-Moore tools may differ from those of special service tools illustrated here.

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

Commercial Service Tools

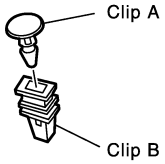
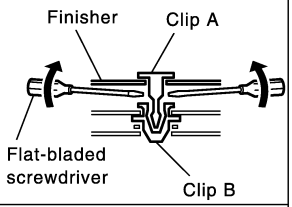
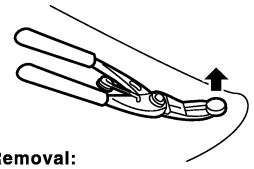
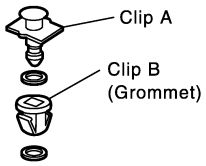
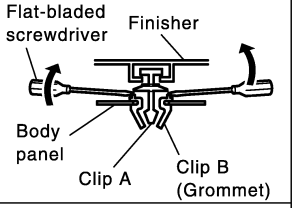
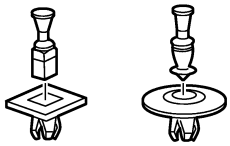
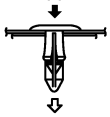
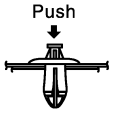
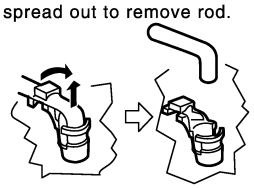
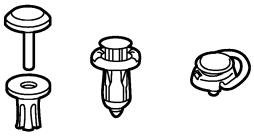
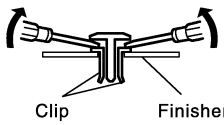
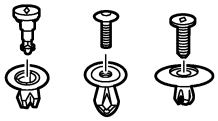
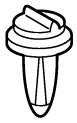
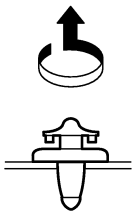
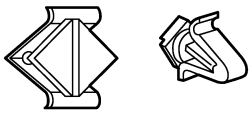
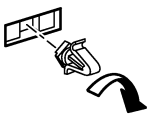
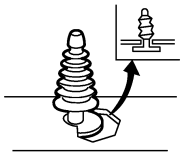
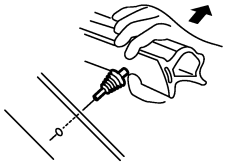
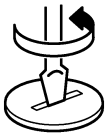
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Tool name	Description
Engine ear  SIIA0995E	Locates the noise

CLIP LIST

Clip List

INFOID:0000000013549007

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:** 

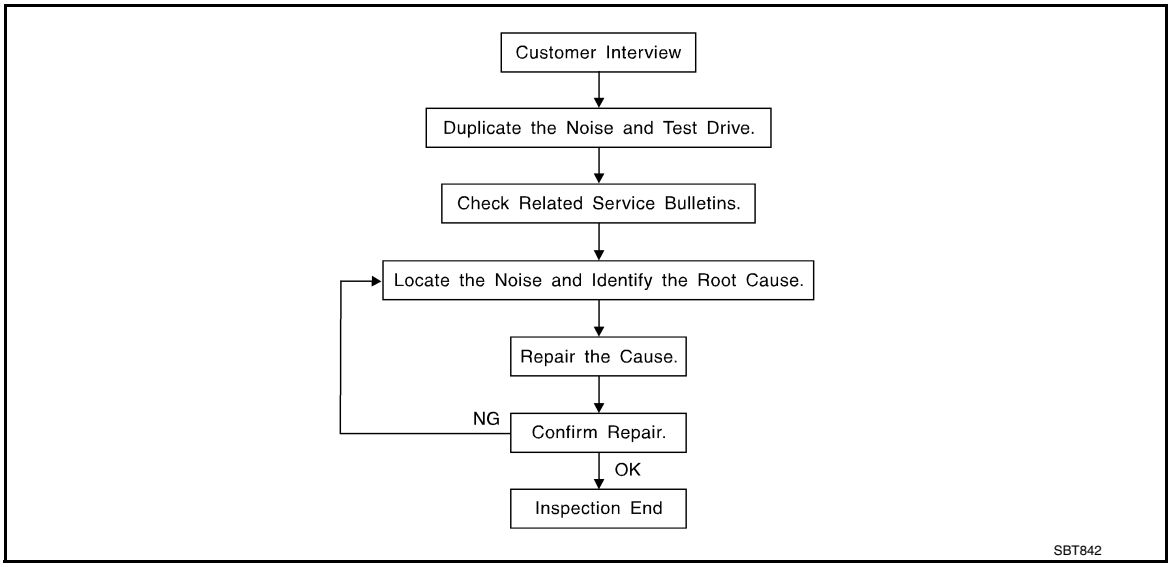
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SYMPTOM DIAGNOSIS

SQUEAK AND RATTLE TROUBLE DIAGNOSES

Work Flow

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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-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, 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

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 you suspect 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 you suspect 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 you suspect 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. 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

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:0000000013549009

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. Sun visor 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 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.

Diagnostic Worksheet

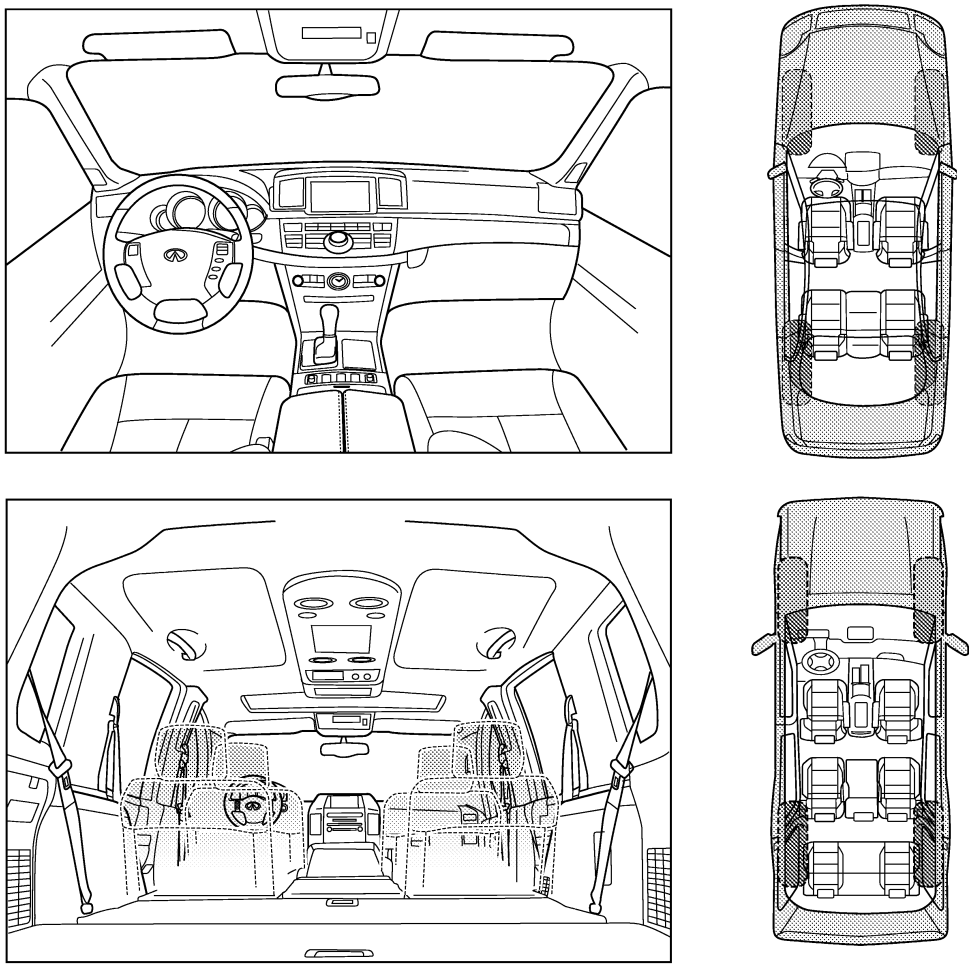
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INFINITI

SQUEAK & RATTLE
DIAGNOSTIC WORKSHEET

Dear Infiniti Customer:
We are concerned about your satisfaction with your Infiniti vehicle. Repairing a squeak or rattle sometimes can be very difficult. To help us fix your Infiniti 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 consultant 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.

PIIB8741E

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

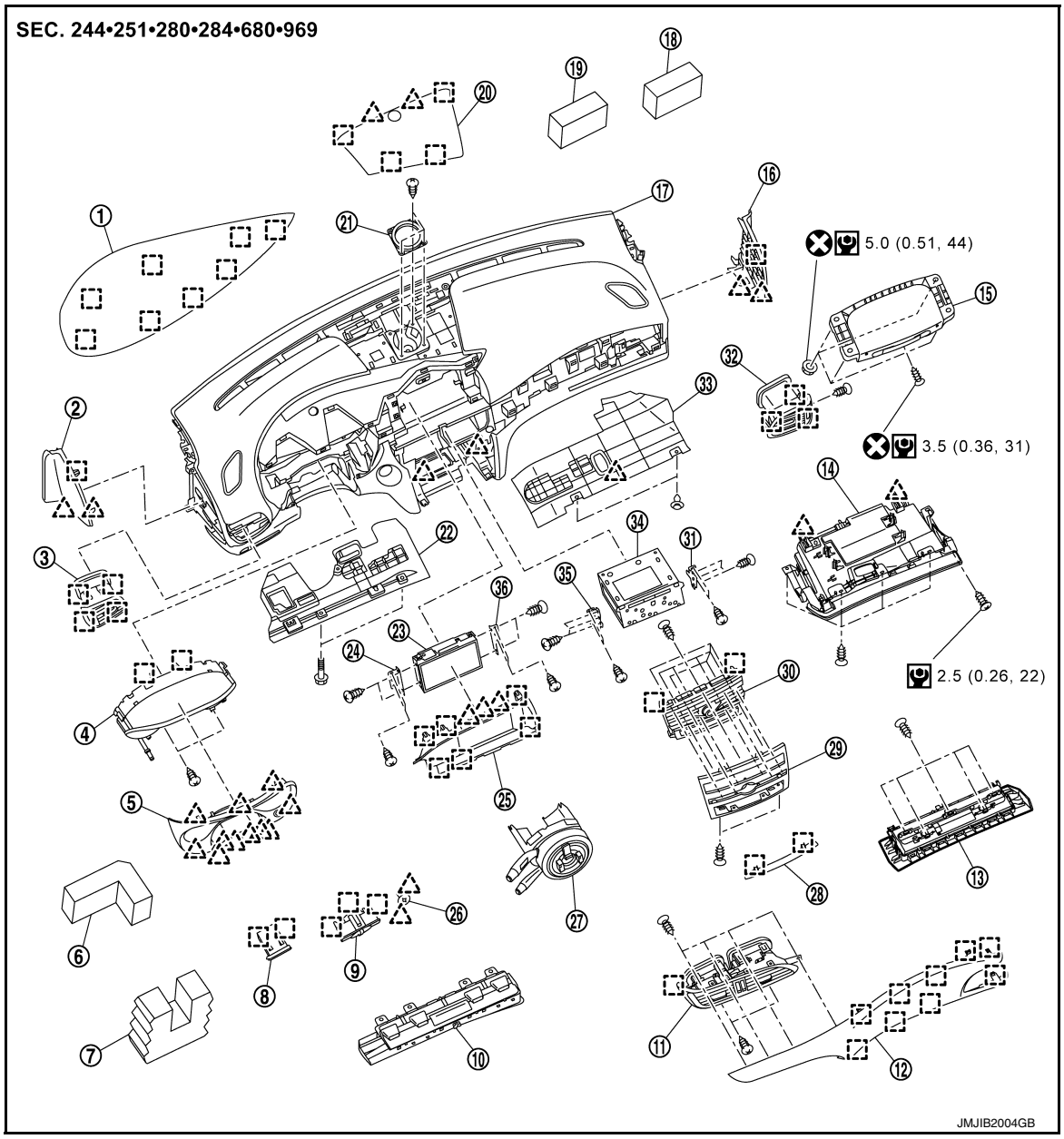
PIIB8742E

REMOVAL AND INSTALLATION

INSTRUMENT PANEL ASSEMBLY

Exploded View

INFOID:0000000013549011



① Instrument pad A	② Instrument mask LH	③ Side ventilator grille LH
④ Combination meter	⑤ Cluster lid A	⑥ Insulator
⑦ Insulator	⑧ Electric parking brake switch	⑨ Rotary light switch
⑩ Driver knee air bag module	⑪ Center ventilator grille	⑫ Instrument pad C
⑬ Passenger knee air bag module	⑭ Glove box assembly	⑮ Passenger air bag module
⑯ Instrument mask RH	⑰ Instrument panel assembly	⑱ Insulator
⑲ Insulator	⑳ Center squawker grill	㉑ Center squawker
㉒ Instrument lower cover LH	㉓ Display control unit	㉔ Display control unit bracket LH
㉕ Cluster lid D	㉖ Ignition switch mask	㉗ Steering column control module

㉘ Instrument finisher E
㉙ Cluster lid C
㉚ Preset switch & hazard switch
㉛ AV control unit bracket RH
㉜ Side ventilator grille RH
㉝ Instrument lower cover RH
㉞ AV control unit
㉟ AV control unit bracket LH
㊱ Display control unit bracket RH

: Pawl
: Metal clip
: Always replace after every disassembly.
: N·m (kg-m, in-lb)

Removal and Installation

INFOID:0000000013549012

WORK STEP

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

PARTS	INSTRUMENT PANEL ASSEMBLY	COMBINATION METER	AV CONTROL UNIT	A/C CONTROL
Center console front finisher	[1]		[1]	[1]
A/C control	[2]		[2]	[2]
Center console assembly	[3]		[3]	
Instrument finisher E	[4]		[4]	
Cluster lid C	[5]		[5]	
AV control unit	[6]		[6]	
Driver air bag module	[7]			
Steering wheel	[8]			
Steering column control module	[9]	[1] Set steering column to rearmost and lowest position		
Cluster lid A	[10]	[2]		
Combination meter	[11]	[3]		
Instrument mask LH	[12]			
Instrument lower cover LH	[13]			
Knee air bag module	[14]			
Instrument mask RH	[15]			
Instrument pad C	[16]			
Cluster lid D	[17]			
Display control unit	[18]			
Instrument pad A	[19]			
Center squawker grill	[20]			
Center squawker	[21]			
Instrument lower cover RH	[22]			
Glove box assembly	[23]			
Passenger air bag module fixing screw	[24]			
Passenger air bag module harness connectors	[25]			

Front pillar garnish (LH and RH)	[26]			
Instrument panel assembly	[27]			

[ ]: Number indicates step in removal procedure.

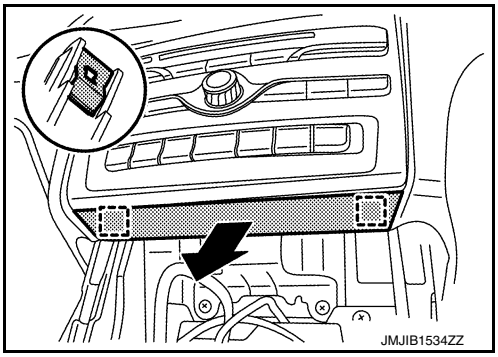
WARNING:
Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait for 3 minutes or more.

REMOVAL

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

1. Remove center console front finisher. Refer to IP-22, "Removal and Installation".
2. Remove A/C control. Refer to HAC-121, "Removal and Installation".
3. Remove center console assembly. Refer to IP-22, "Removal and Installation".
4. Disengage fixing metal clips, and then remove instrument finisher E.

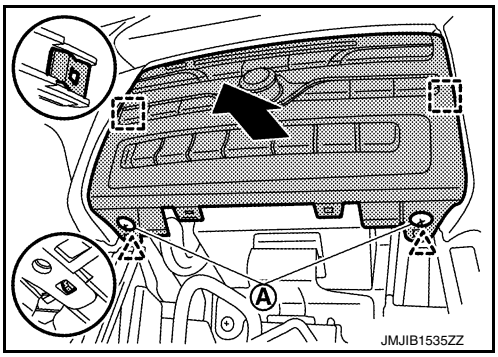
: Metal clip



5. Remove cluster lid C.

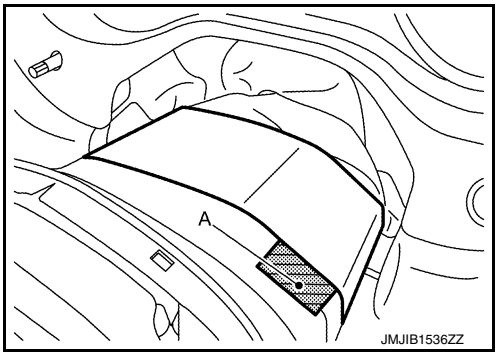
a. Remove cluster lid C fixing screws Ⓐ.
b. Disengage fixing pawls and metal clips, and then remove cluster lid C.

: Pawl
: Metal clip



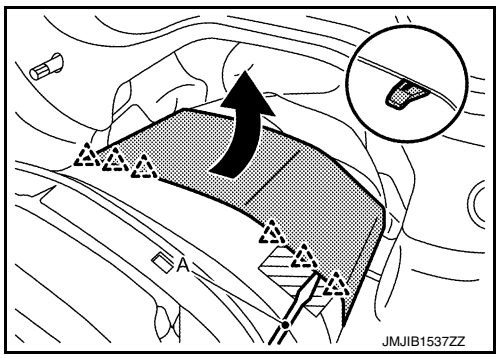
c. Disconnect harness connectors.
6. Remove AV control unit. Refer to AV-240, "Removal and Installation".
7. Remove driver air bag module. Refer to SR-20, "Removal and Installation".
8. Remove steering wheel. Refer to ST-8, "Removal and Installation".
9. Remove steering column control module.

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



b. Disengage fixing pawls using a remover tool (A), and then remove cluster lid A apron portion by arrow as shown in the figure.

: Pawl



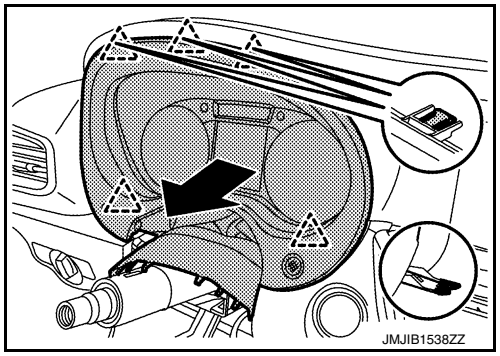
c. Remove steering column control module. Refer to BCS-250, "Removal and Installation".

10. Remove cluster lid A.

a. Cover steering shaft with a shop cloth to prevent damage.

b. Disengage fixing pawls, and then remove cluster lid A.

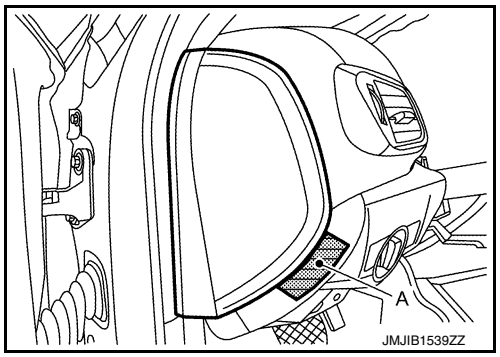
: Pawl



11. Remove combination meter. Refer to MWI-155, "Removal and Installation".

12. Remove instrument mask LH.

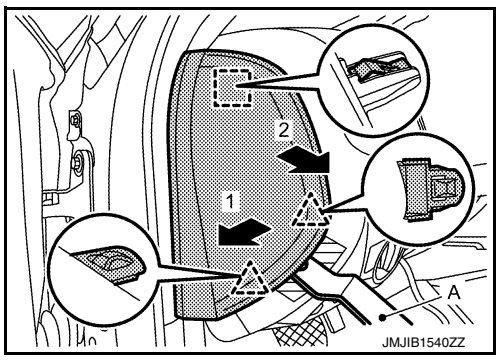
a. Apply protective tape (A) on the part to protect it from damage.



b. Disengage fixing pawls and metal clip using a remover tool (A) according to the numerical order 1→2 as shown in the figure.

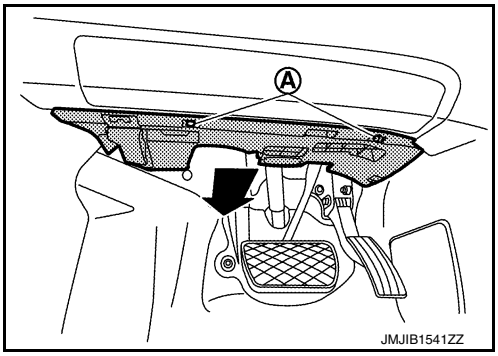
: Pawl

: Metal clip



13. Remove instrument lower cover LH.

a. Remove instrument lower cover LH mounting bolts Ⓐ, and then remove instrument lower cover LH.



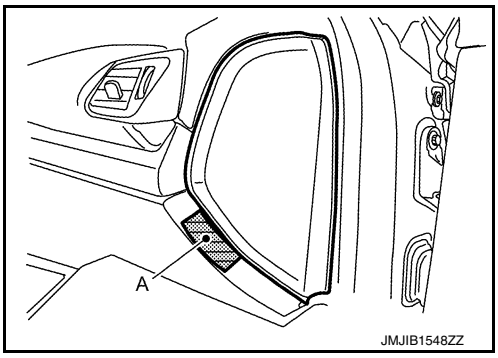
b. Remove hood lock control handle assembly. Refer to DLK-263, "HOOD LOCK CONTROL HANDLE : Removal and Installation".

c. Disconnect harness connectors.

14. Remove driver knee air bag module. Refer to SR-27, "Removal and Installation".

15. Remove instrument mask RH

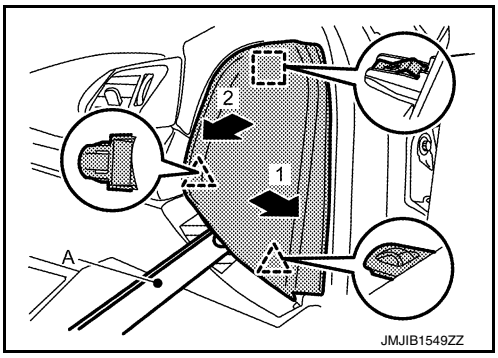
a. Apply protective tape (A) on the part to protect it from damage.



b. Disengage fixing pawls and metal clip using a remover tool (A) according to the numerical order 1→2 as shown in the figure.

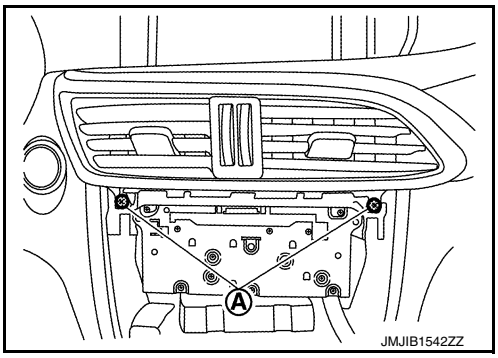
: Pawl

: Metal clip



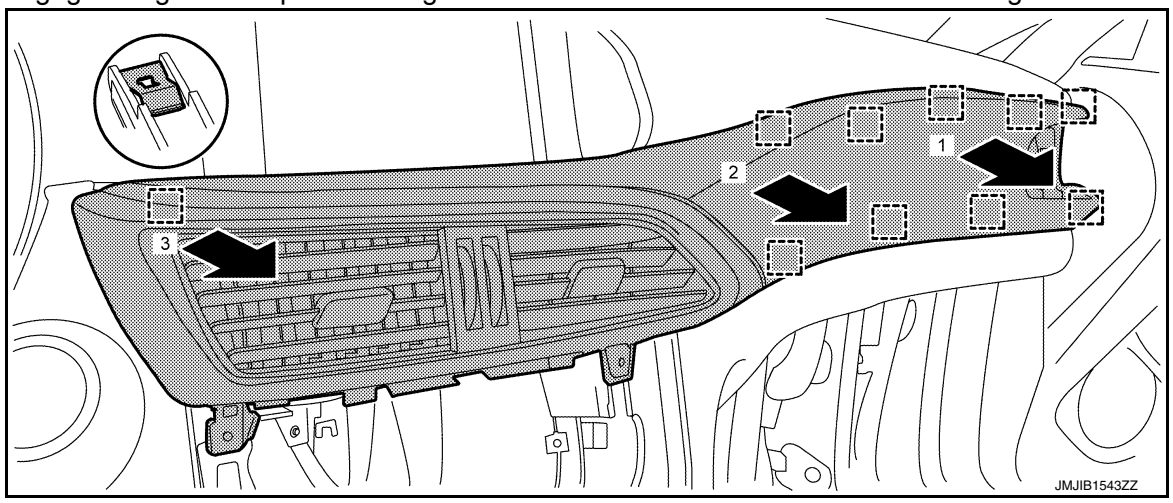
16. Remove instrument pad C.

a. Remove instrument pad C fixing screws Ⓐ.



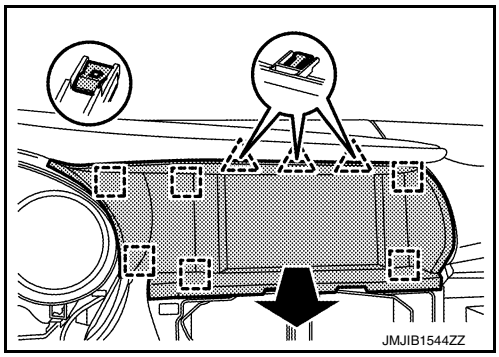
b. Remove side ventilator grille RH. Refer to VTL-7, "SIDE VENTILATOR GRILLE : Removal and Installation".

c. Disengage fixing metal clips according to the numerical order 1→3 as shown in the figure.



: Metal clip

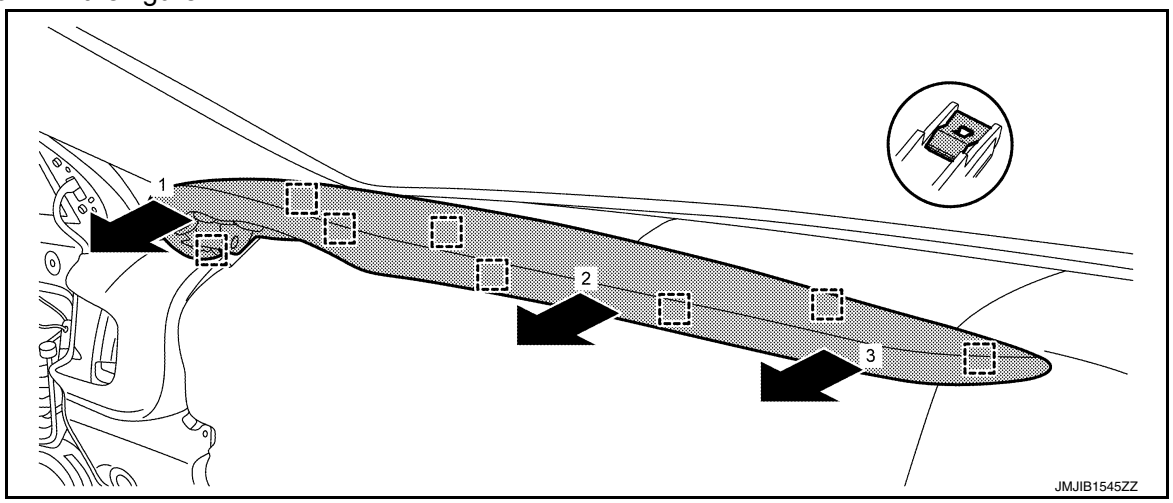
17. Disengage fixing pawls and metal clips, and then remove cluster lid D.



: Pawl

: Metal clip

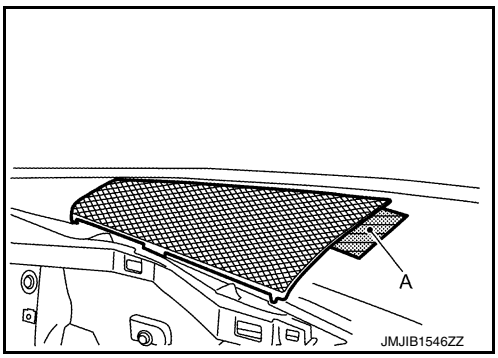
18. Remove display control unit. Refer to AV-239, "Removal and Installation".
19. Disengage fixing metal clips, and then remove instrument pad A according to the numerical order 1→3 as shown in the figure.



: Metal clip

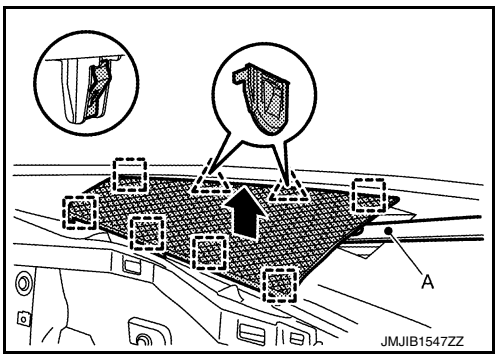
20. Remove center squawker grille.

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



b. Disengage fixing pawls and metal clips using a remover tool (A), and then remove center squawker grille.

: Pawl
: Metal clip

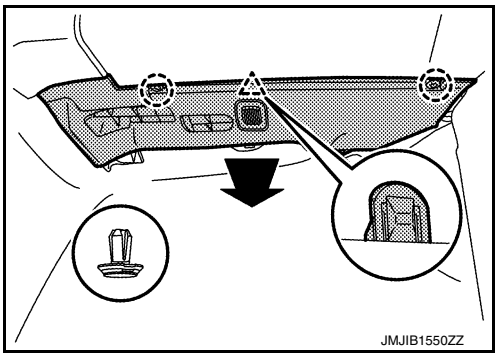


c. Disconnect harness connectors.

21. Remove center squawker. Refer to AV-249, "Removal and Installation".

22. Remove fixing clips and pawl, and then remove instrument lower cover RH

: clip
: Pawl

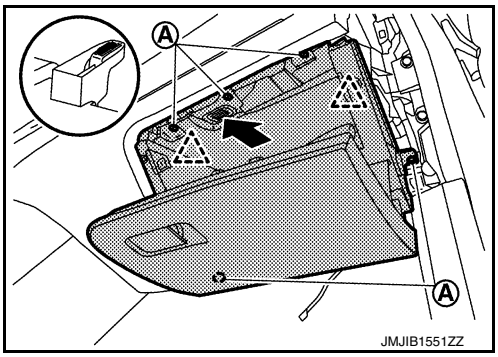


23. Remove glove box assembly.

a. Remove glove box cover fixing screws Ⓐ.

b. Disengage fixing pawls, and then remove glove box assembly.

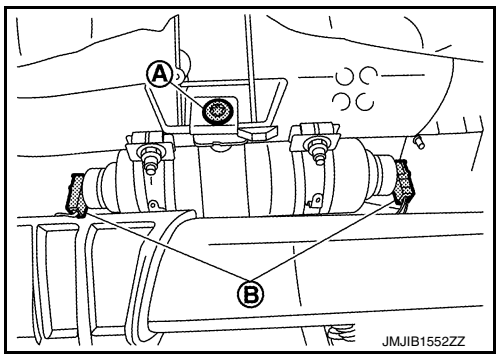
: Pawl



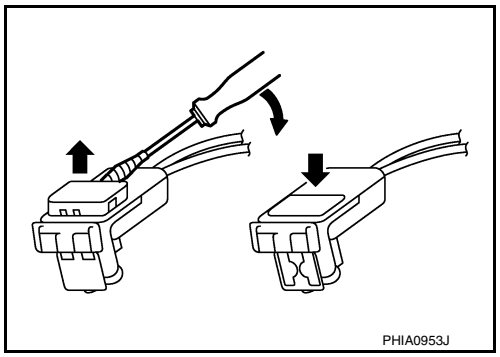
c. Disconnect harness connectors.

NOTE:
Remove passenger knee air bag module after removing glove box assembly. Refer to SR-27, "Removal and Installation".

24. Remove passenger air bag fixing screw Ⓐ.
25. Disconnect passenger air bag harness connectors Ⓑ.

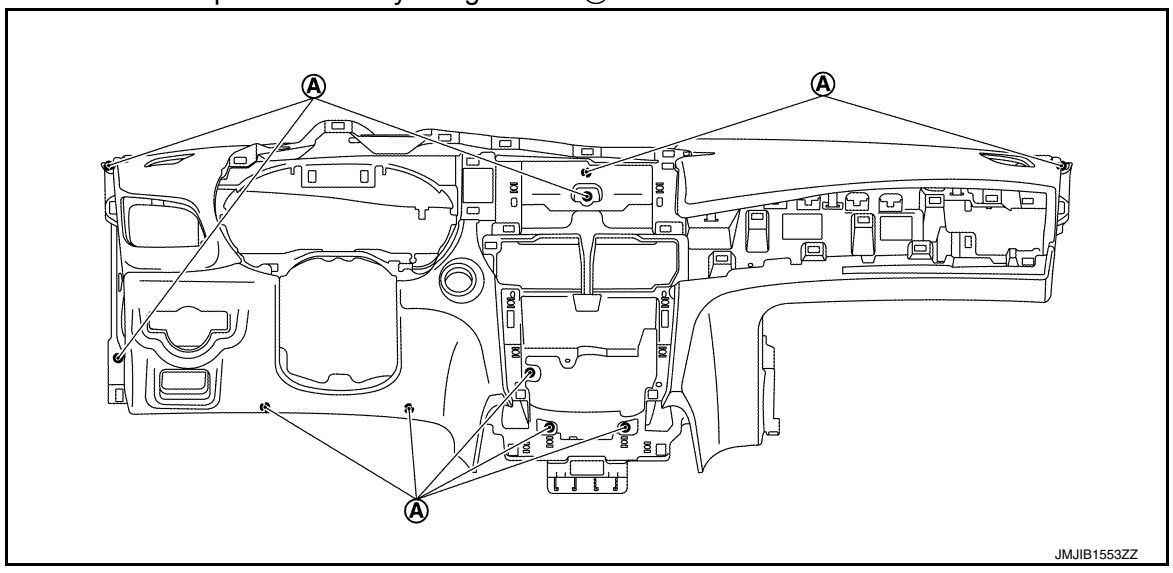


CAUTION:
- **For installing/removing the passenger air bag module harness connector, insert a thin remover tool wrapped in tape into notch, lift lock and remove the connector.**
- **Install the connector with lock raised, and push lock into the connector.**
- **After installing the connector, check that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



26. Remove front pillar garnish (LH and RH). Refer to INT-23, "FRONT PILLAR GARNISH : Removal and Installation".
27. Remove instrument panel assembly.

a. Remove instrument panel assembly fixing screws Ⓐ.



b. Disconnect harness connectors.

c. 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.**

28. Remove the following parts after removing instrument panel assembly.
    - Side defroster grille: Refer to VTL-9, "SIDE DEFROSTER GRILLE : Removal and Installation".
    - Front defroster grille: Refer to VTL-10, "FRONT DEFROSTER GRILLE : Removal and Installation".
    - Passenger air bag module: Refer to SR-24, "Removal and Installation".

INSTALLATION

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

CAUTION:

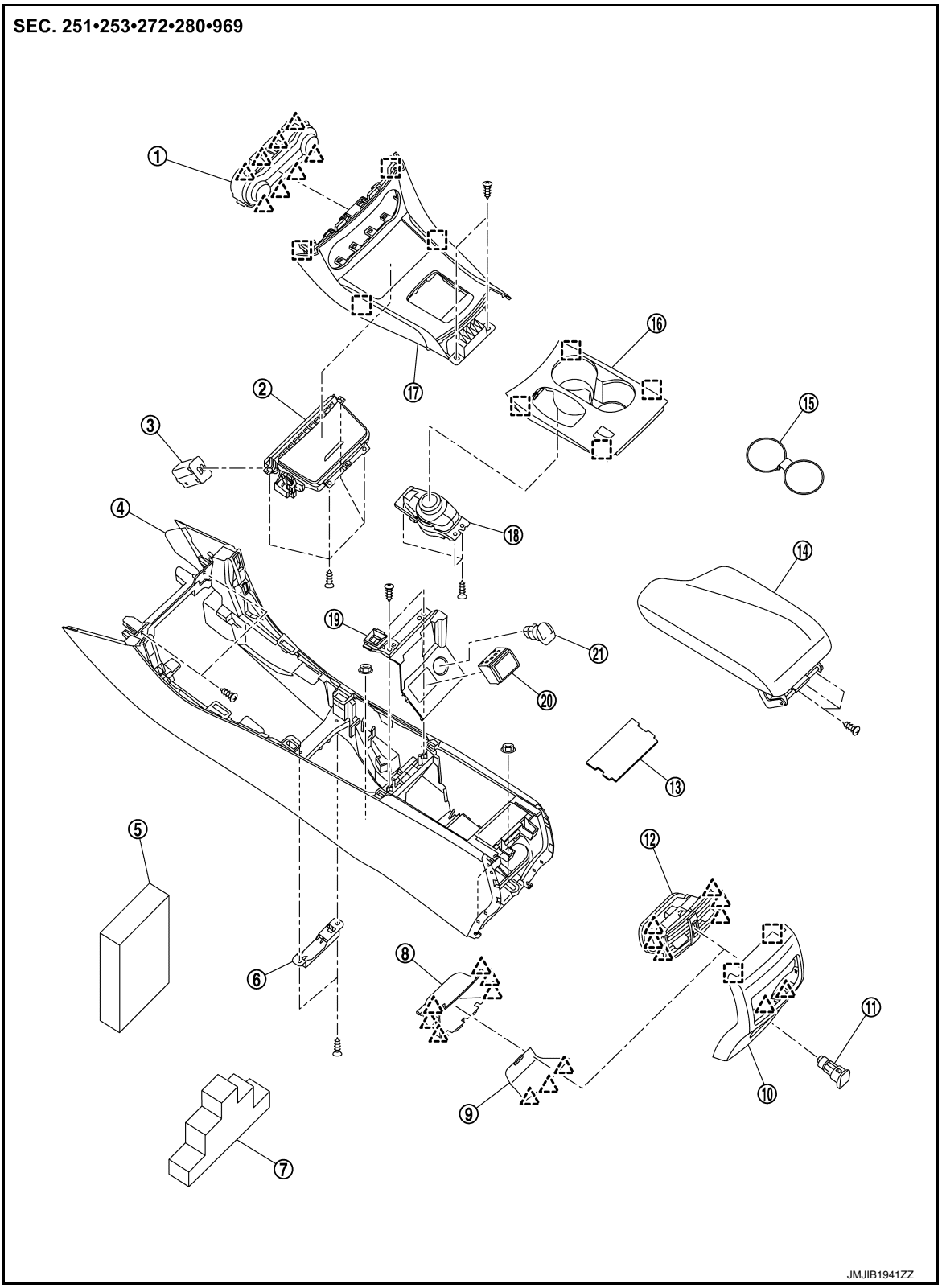
- **Never reuse the steering wheel mounting bolt after removal, replace with the new bolt.**
- **Never reuse the passenger air bag module fixing screw and mounting nuts after removal, replace with the new screw and nuts.**
- **Never reuse the knee air bag module mounting bolts after removal, replace with the new bolts.**

CENTER CONSOLE ASSEMBLY

Exploded View

INFOID:0000000013549013

SEC. 251•253•272•280•969



① A/C control	② Center console pocket	③ USB connector
④ Center console assembly	⑤ Insulator	⑥ Inside key antenna
⑦ Insulator	⑧ Center console tray*1	⑨ Center console tray mat
⑩ Center console rear finisher	⑪ Rear power socket	⑫ Rear ventilator grille*2
⑬ Center console box mat	⑭ Center console lid	⑮ Cup holder inner
⑯ Center console center finisher	⑰ Center console front finisher	⑱ Multifunction switch
⑲ Center console mask	⑳ SD card slot	㉑ Front power socket

: Pawl

: Metal clip

*1: Without rear ventilator models

*2: With rear ventilator models

Removal and Installation

INFOID:0000000013549014

WARNING:

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

REMOVAL

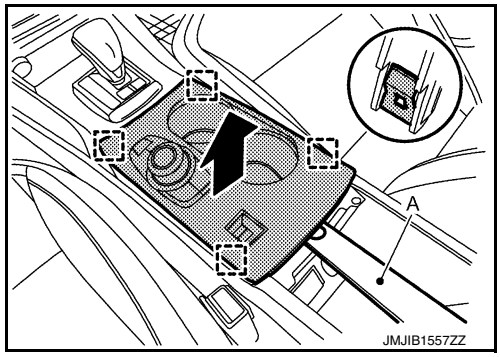
CAUTION:

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

1. Remove center console finisher.
   1. Remove center console center finisher.

- Disengage metal clips using a remover tool (A), and then remove center console center finisher.

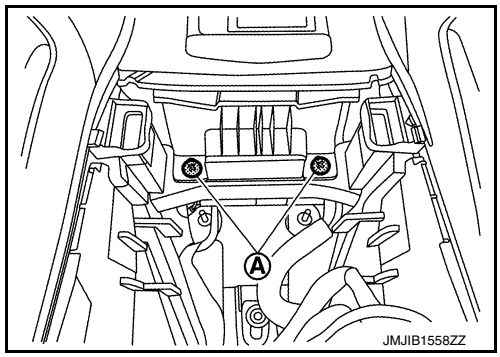
: Metal clip



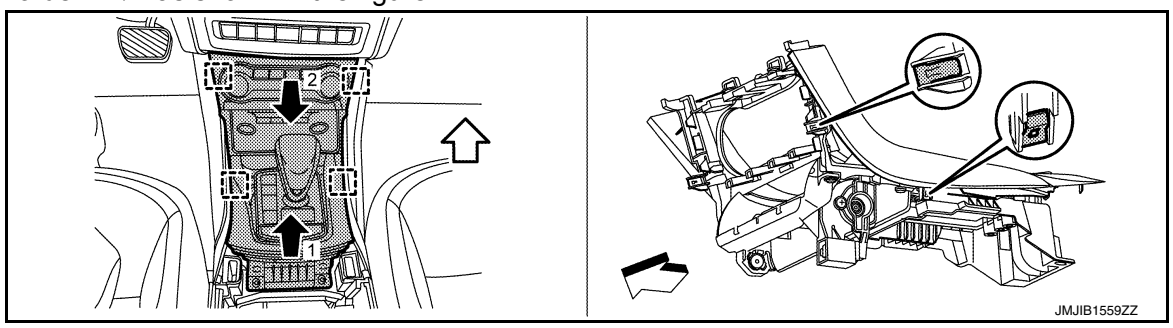
- Disconnect harness connectors.

   2. Remove center console front finisher.

- Remove center console front finisher fixing screws Ⓐ.



- Disengage metal clips, and then remove center console front finisher according to the numerical order 1→2 as shown in the figure.



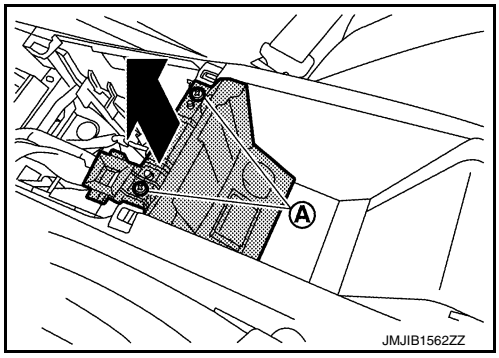
⇦ : Vehicle front

⬚ : Metal clip

- Disconnect harness connectors.

2. Remove center console mask.

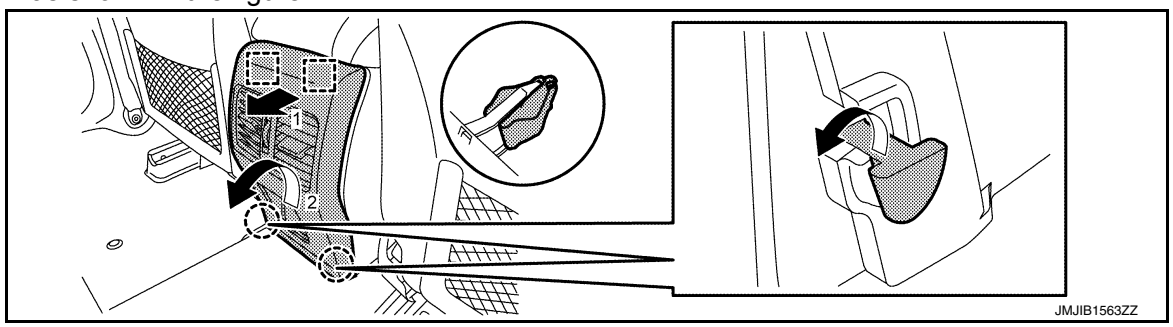
a. Remove center console mask fixing screws Ⓐ, and then remove center console mask.



b. Disconnect harness connectors.

3. Remove center console rear finisher.

a. Disengage metal clips, and then remove center console rear finisher according to the numerical order 1→2 as shown in the figure.



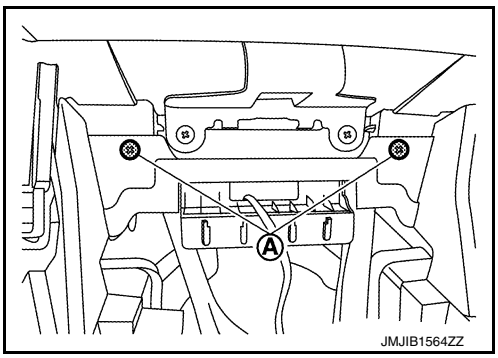
⬚ : Metal clip

b. Disconnect harness connector.

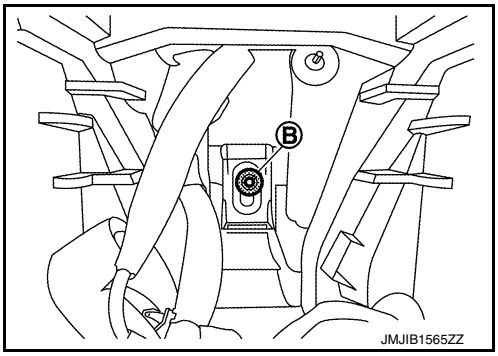
4. Remove center console assembly.

a. Remove center console assembly fixing screws Ⓐ and mounting nuts Ⓑ.

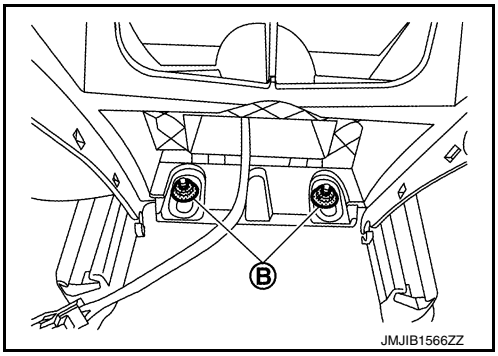
- Front side



- Center side



- Rear side



b. Disconnect harness connectors.
c. Lift up to remove center console assembly.

INSTALLATION
Install in the reverse order of removal.

Disassembly and Assembly

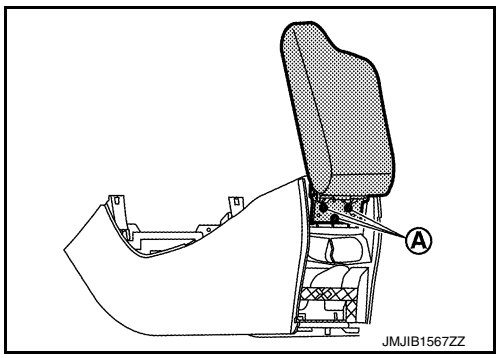
INFOID:0000000013549015

DISASSEMBLY AND ASSEMBLY OF CENTER CONSOR ASSEMBLY

CAUTION:
When disassembling, always use a remover tool that is made of plastic.

Disassembly

1. Remove center console lid fixing screws Ⓐ. and then remove center console lid.



Assembly
Assemble in the reverse order of disassembly.

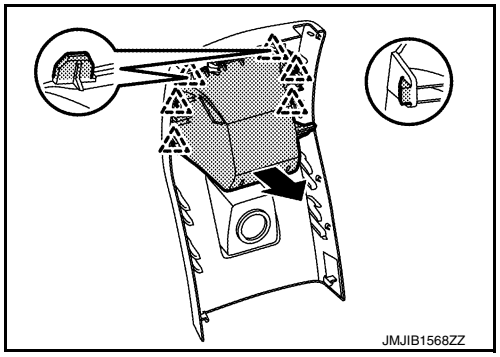
DISASSEMBLY AND ASSEMBLY OF CENTER CONSOR REAR FINISHER

CAUTION:
When disassembling, always use a remover tool that is made of plastic.

Disassembly

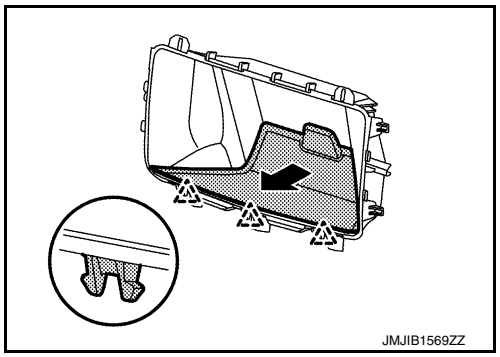
1. Disengage fixing pawls, and then remove center console tray.

△ :Pawl



2. Disengage fixing pawls, and then remove center console tray mat.

△ :Pawl



Assembly
Assemble in the reverse order of disassembly.