SECTION IP
INSTRUMENT PANEL

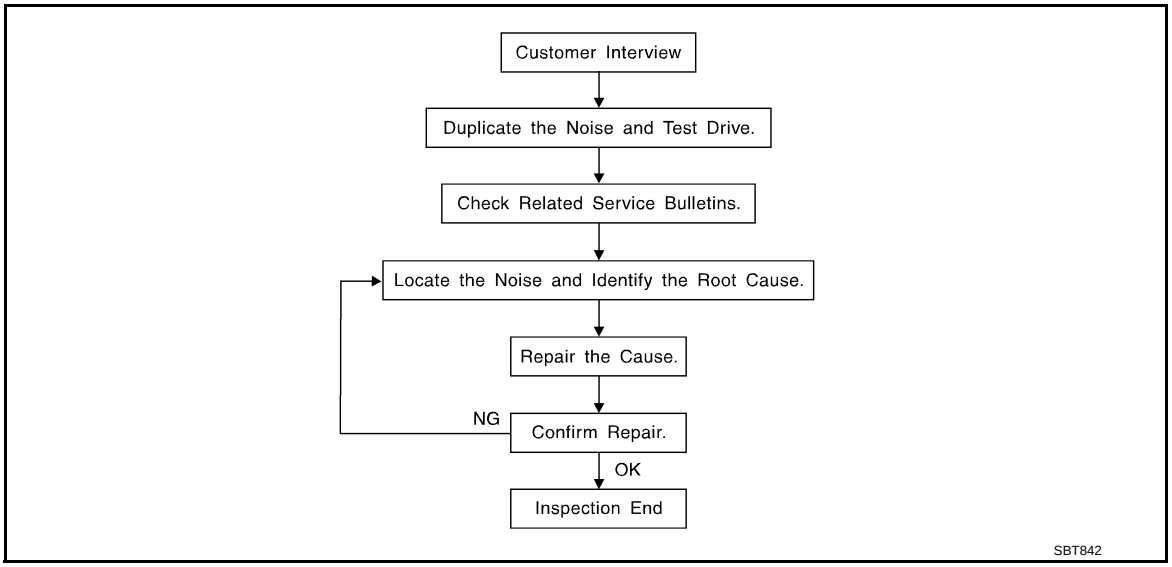
CONTENTS

SYMPTOM DIAGNOSIS

SQUEAK AND RATTLE TROUBLE DIAGNOSES

Work Flow

INFOID:0000000004894556



CUSTOMER INTERVIEW

Interview the customer if possible, to determine the conditions that exist when the noise occurs. Use the Diagnostic Worksheet during the interview to document the facts and conditions when the noise occurs and any customer comments. Refer to IP-6, "Diagnostic Worksheet". This information is necessary to duplicate the conditions that exist when the noise occurs.

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

DUPLICATE THE NOISE AND TEST DRIVE

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 items:
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 the concern or symptom.
If a TSB relates to the symptom, follow the procedure to repair the noise.

LOCATE THE NOISE AND IDENTIFY THE ROOT CAUSE

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

- Removing the component(s) in the area that is / are suspected to be the cause of the noise.
  Do not use too much force when removing clips and fasteners, otherwise clips and fasteners can be broken or lost during the repair, resulting in the creation of new noise.
- Tapping or pushing/pulling the component(s) that is / are suspected to be the cause of the noise.
  Do not tap or push/pull the component(s) with excessive force, otherwise the noise is eliminated only 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-4, "Inspection Procedure".

REPAIR THE CAUSE

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

CAUTION:
Never use excessive force as many components are constructed of plastic and may be damaged.
NOTE:
Always check with the Parts Department for the latest parts information.
The following materials are contained in the NISSAN Squeak and Rattle Kit (J-43980). Each item can be ordered separately as needed.
URETHANE PADS [1.5 mm (0.059 in) thick]
Insulates connectors, harness, etc.
- 76268-9E005: 100 × 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 (1.18 in) thick, 30 × 50 mm (1.181 × 1.969 in)
FELT CLOTHTAPE

Used to insulate where movement does not occur. Ideal for instrument panel applications.
- 68370-4B000: 15 × 25 mm (0.591 × 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 visible or does not fit. Only lasts a few months.
SILICONE SPRAY
Used when grease cannot be applied.
DUCT TAPE
Used to eliminate movement.

CONFIRM THE REPAIR

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

Inspection Procedure

INFOID:0000000004894557

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 check 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

Check the following items:

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

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

TRUNK

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

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 items:

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 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.

Causes 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

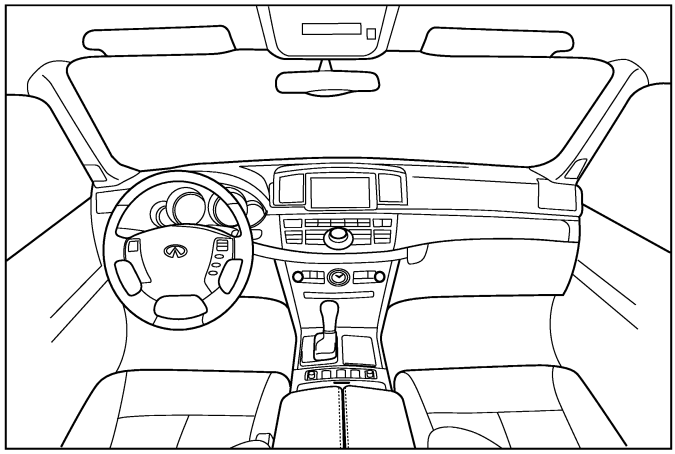
INFOID:0000000004742836

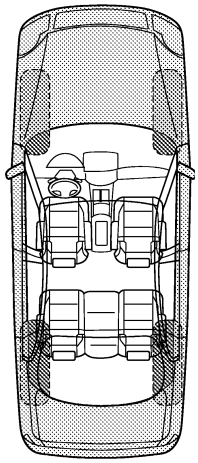
INFINITI

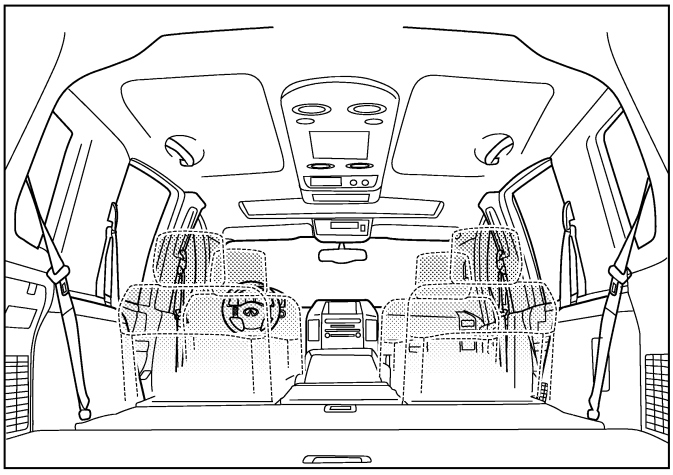
SQUEAK & RATTLE DIAGNOSTIC WORKSHEET

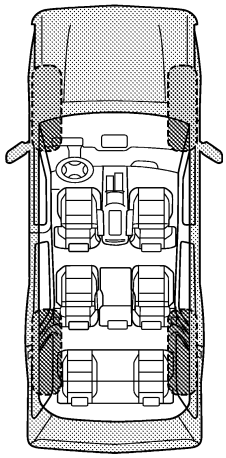
Dear Infiniti Customer:
We are concerned about your satisfaction with your Infiniti vehicle. Repairing a squeak or rattle sometimes can be very difficult. To help us fix your Infiniti right the first time, please take a moment to note the area of the vehicle where the squeak or rattle occurs and under 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.

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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

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PRECAUTION

PRECAUTIONS

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

INFOID:0000000004742837

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:

- **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 the “SRS AIR BAG”.**
- **Do not use electrical test equipment on any circuit related to the SRS unless instructed to in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harnesses or harness connectors.**

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

WARNING:

- **When working near the Air Bag Diagnosis Sensor Unit or other Air Bag System sensors with the ignition ON or engine running, DO NOT use air or electric power tools or strike near the sensor(s) with a hammer. Heavy vibration could activate the sensor(s) and deploy the air bag(s), possibly causing serious injury.**
- **When using air or electric power tools or hammers, always switch the ignition OFF, disconnect the battery, and wait at least 3 minutes before performing any service.**

Service Procedure Precautions for Models with a Pop-up Roll Bar

INFOID:0000000005153256

WARNING:

- **Risk of passenger injury or death may increase if the pop-up roll bar does not deploy during a roll over collision. In order to reduce the chance of an incident where the pop-up roll bar is inoperative, all maintenance must be performed by a NISSAN or INFINITI dealer.**
- **Before removing and installing the pop-up roll bar component parts and harness, always turn the ignition switch OFF, disconnect the battery negative terminal, and wait for 3 minutes or more. (The purpose of this operation is to discharge electricity that is accumulated in the auxiliary power supply circuit in the air bag diagnosis sensor unit.)**
- **When repairing, removing, and installing a pop-up roll bar, always refer to SRS AIR BAG and SRS AIR BAG CONTROL warnings in the Service Manual.**

Precaution Necessary for Steering Wheel Rotation after Battery Disconnect

INFOID:0000000004742838

NOTE:

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

For vehicle with steering lock unit, if the battery is disconnected or discharged, the steering wheel will lock and cannot be turned.
If turning the steering wheel is required with the battery disconnected or discharged, follow the operation procedure below before starting the repair operation.

OPERATION PROCEDURE

1. Connect both battery cables.
   NOTE:
   Supply power using jumper cables if battery is discharged.
2. Turn the push-button 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 push-button ignition switch from ACC position to ON position, then to LOCK position. (The steering wheel will lock when the push-button ignition switch is turned to LOCK position.)
6. Perform self-diagnosis check of all control units using CONSULT-III.

Precaution for Battery Service

INFOID:0000000004742839

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.

Precaution

INFOID:0000000004742840

- 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.

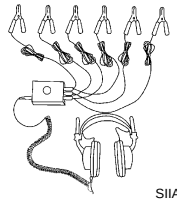
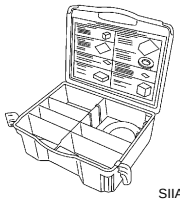
PREPARATION

PREPARATION

Special Service Tools

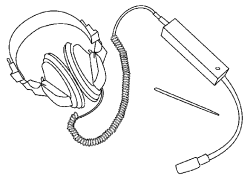
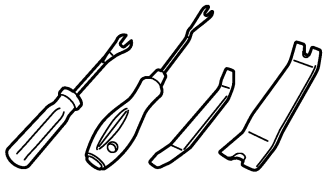
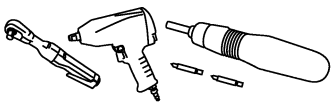
INFOID:0000000004894558

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

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

Commercial Service Tools

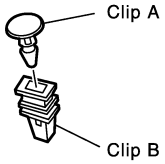
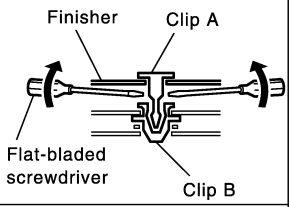
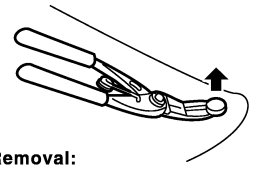
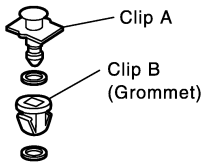
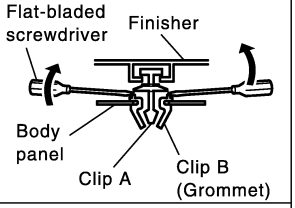
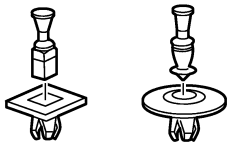
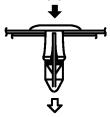
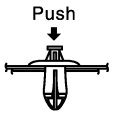
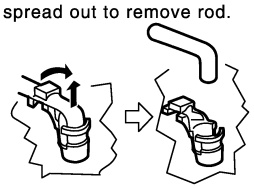
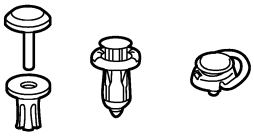
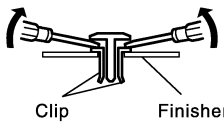
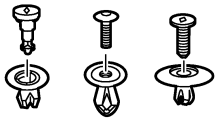
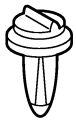
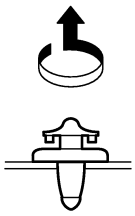
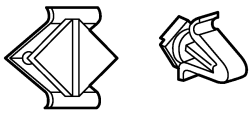
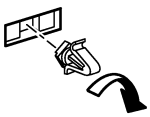
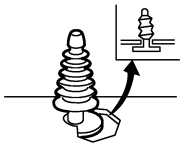
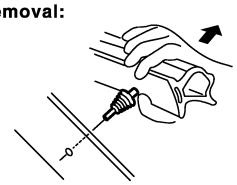
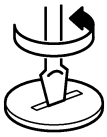
INFOID:0000000004894559

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:0000000006053019

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:** 

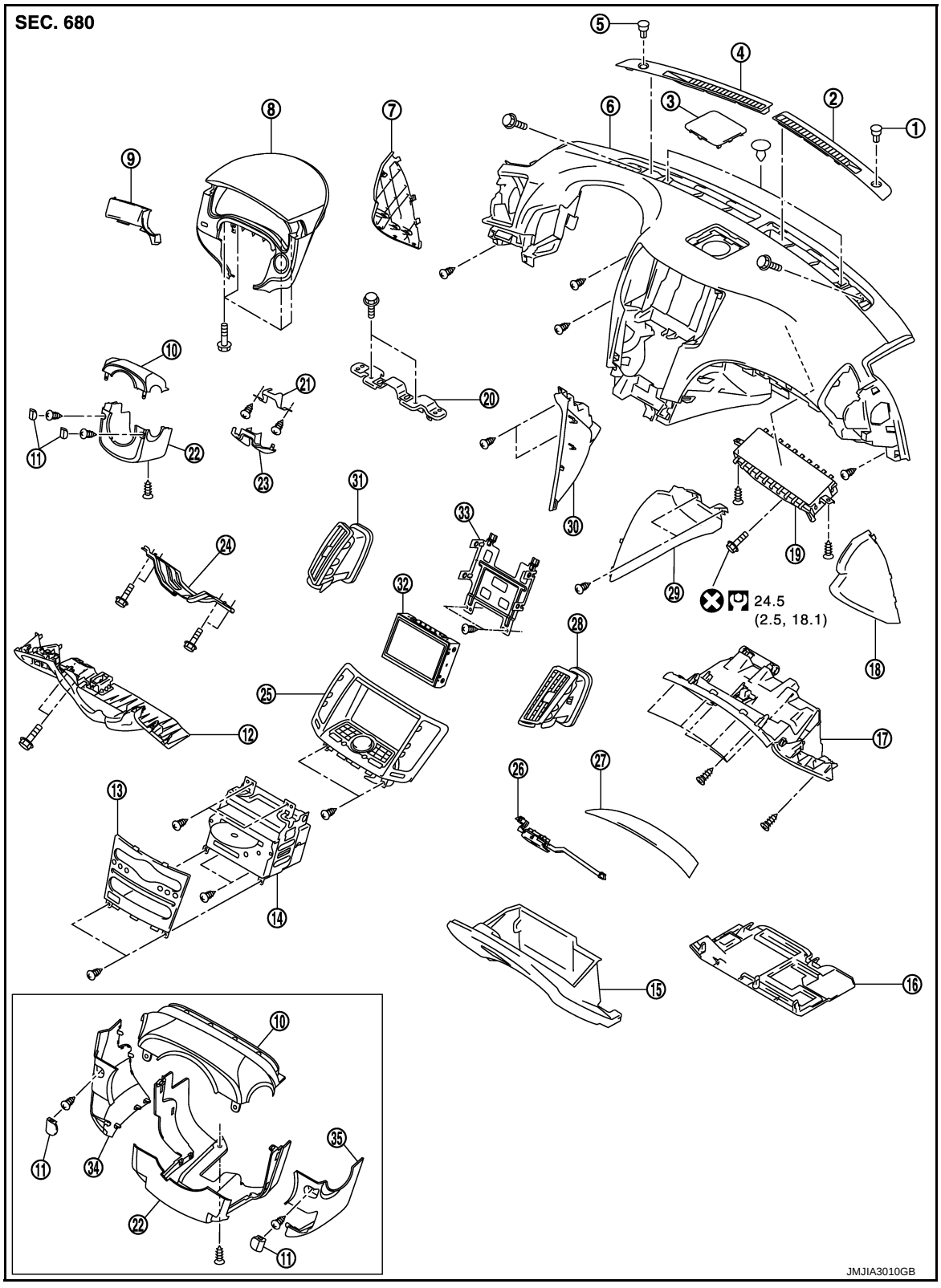
JMJIA3734GB

REMOVAL AND INSTALLATION

INSTRUMENT PANEL ASSEMBLY

Exploded View

INFOID:0000000004373239



1. Optical sensor
2. Front defroster grille RH
3. Center speaker grille
4. Front defroster grille LH
5. Sunload sensor
6. Instrument panel assembly
7. Instrument side finisher LH
8. Cluster lid A assembly
9. Instrument finisher A
10. Steering column cover upper
11. Steering column mask
12. Instrument lower panel LH
13. Cluster lid C assembly
14. AV control unit
15. Glove box assembly
16. Instrument lower cover
17. Instrument lower panel RH
18. Instrument side finisher RH
19. Passenger air bag module
20. Meter bracket
21. Cluster lid A lower bracket
22. Steering column cover lower
23. Steering column front lower cover
24. Knee protector lower
25. Cluster lid D assembly
26. Glove box lock assembly
27. Instrument finisher B
28. Center ventilator grille RH
29. Instrument side panel RH
30. Instrument side panel LH
31. Center ventilator grille LH
32. Display unit
33. Display unit bracket
34. Steering column side cover LH
35. Steering column side cover RH

: Clip

: Pawl

: Metal clip

Removal and Installation

INFOID:0000000004373240

WORK STEP

When removing instrument panel assembly, combination meter, audio unit, center console take steps in the order shown by the number below.

PARTS	INSTRUMENT PANEL ASSEMBLY	COMBINATION METER	AV CONTROL UNIT	CENTER CONSOLE
Selector/shift lever Knob	[1]		[1]	[1]
Console finisher	[2]		[2]	[2]
Rear upper console assembly (A/T models only)	[3]			[3]
Coin pocket (M/T models only)	[4]			[4]
Console rear finisher	[5]			[5]
Console mask	[6]			[6]
Center console assembly	[7]			[7]
Cluster lid C	[8]		[3]	
Cluster lid D	[9]		[4]	
Display unit	[10]		[5]	
AV control unit	[11]		[6]	
Body side welt LH	[12]			
Front pillar garnish LH	[13]			
Instrument side finisher LH	[14]			
Instrument lower panel LH	[15]			
Instrument finisher LH	[16]			
Instrument side panel LH	[17]			
Steering wheel	[18]	[1]		
Steering column cover	[19]	[2]		
Combination switch	[20]	[3]		
Paddle switch (A/T models only)	[21]	[4]		
Knee protector	[22]	[5]		
Cluster lid A	[23]	[6]		

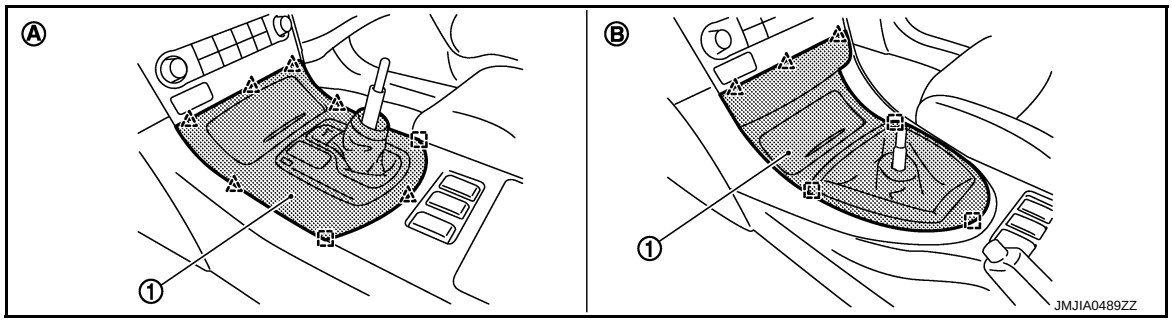
Meter bracket	[24]			
Defroster grille LH/RH	[25]			
Body side welt RH	[26]			
Front pillar garnish RH	[27]			
Instrument side finisher RH	[28]			
Instrument passenger lower cover	[29]			
Glove box assembly	[30]			
Instrument lower panel RH	[31]			
Instrument finisher RH	[32]			
Instrument lower panel RH	[33]			
Instrument side finisher RH	[34]			
Instrument side panel RH	[35]			
Instrument panel assembly	[36]			

[ ]: Number indicates step in removal procedures.

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

REMOVAL

1. Put selector lever in drive position (A/T models only).
2. Remove selector lever knob (A/T models only). Refer to TM-260, "Removal and Installation".
3. Remove shift lever knob (M/T models only). Refer to TM-19, "Removal and Installation".
4. Remove console finisher.

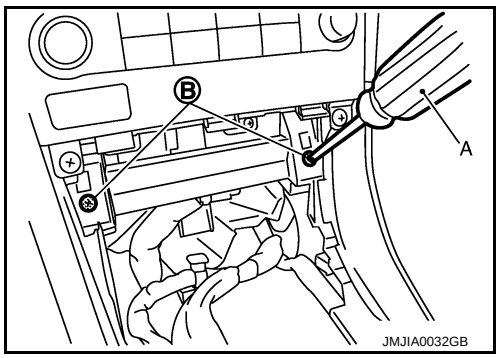


(A) Console finisher (A/T models) (B) Console finisher (M/T models)

- Remove clips from rear of console finisher (1), and then remove pawl of front.
- Pull console finisher upward to disengage from center console.
- Disconnect harness connectors.

: Pawl
: Metal clip

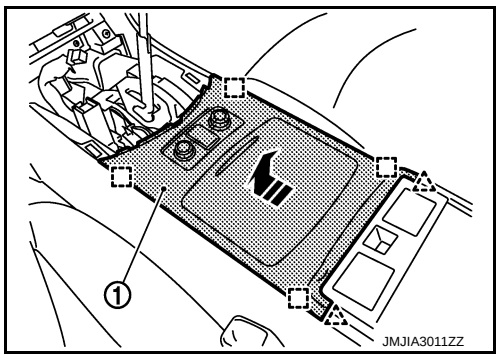
5. Remove screws (B) of center console front side with screw driver (A).



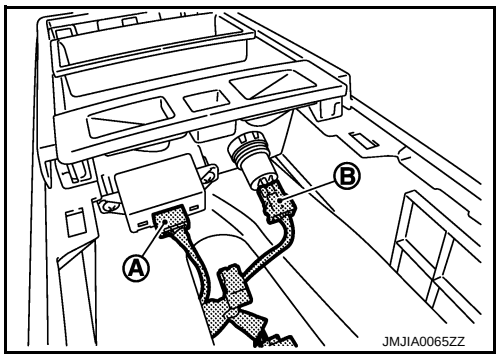
6. Remove rear upper console assembly (A/T models only).
   - Slide forward, pull up rear upper console assembly (1), and disconnect metal clips.
   - Disconnect heated seat switch harness connectors. (with heated seat)

   : Pawl

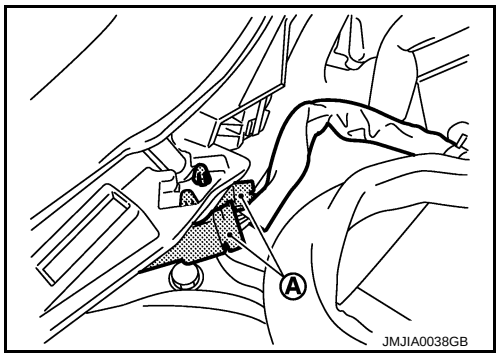
   : Metal clip



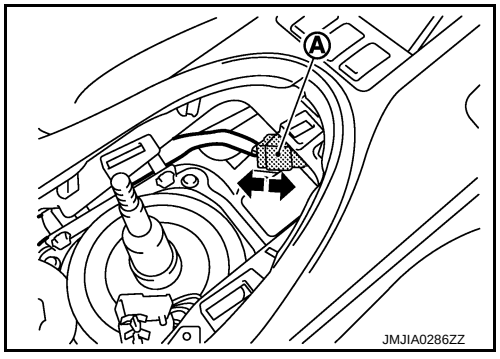
7. Disconnect auxiliary input jacks connector (A) and power socket harness connector (B) (A/T models only).



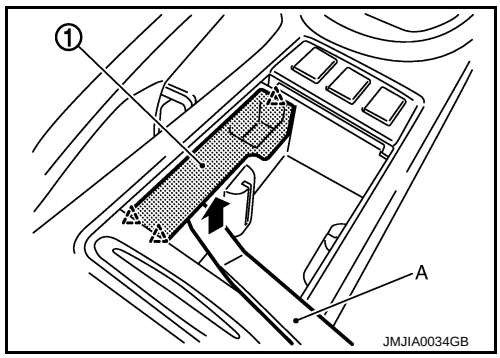
8. Disconnect console sub harness connectors (A) (M/T models only).



9. Disconnect heated seat switch connector (A) (M/T models with heated seat only).

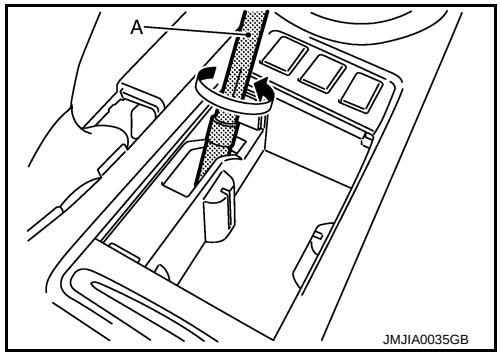


10. Remove coin pocket fixing pawl using a remover tool (A), and then remove coin pocket (1) (M/T models only).

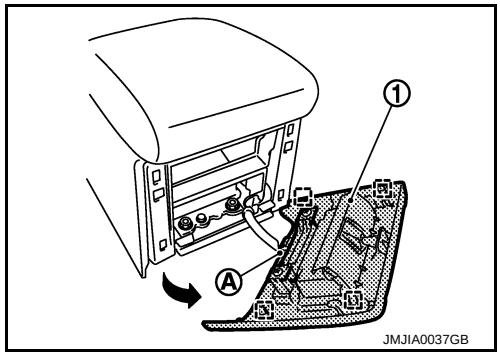


: Pawl

11. Insert a deep-well socket wrench (A) to rotate adjusting nut to loosen cable sufficiently (M/T models only). Refer to PB-3, "LEVER TYPE : Inspection and Adjustment".

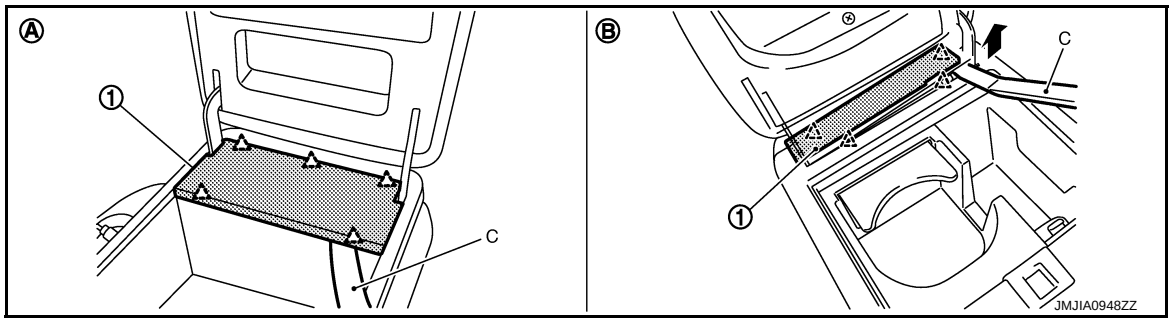


12. Remove console rear finisher.
    - Pull back the console rear finisher (1).
    - Disconnect inside key antenna connector (A).



: Metal clip

13. Remove console mask.

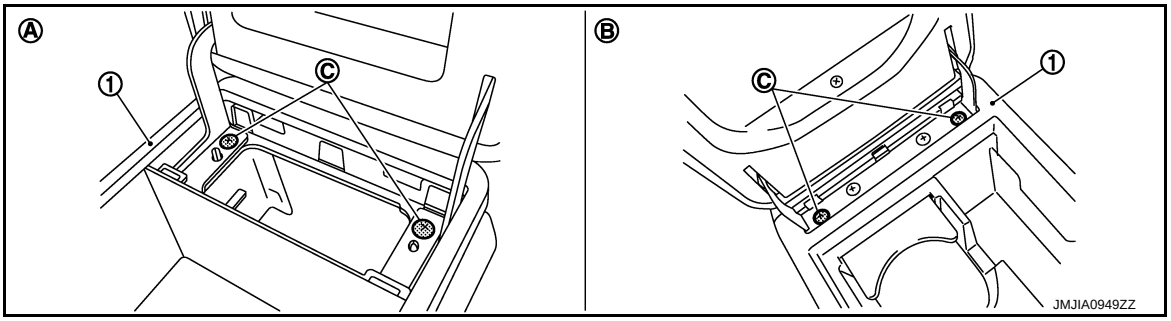


(A) Console mask (A/T models) (B) Console mask (M/T models)

- Open the console lid.
- Pull up console mask (1) by using a remover tool (C), and disengage pawls.

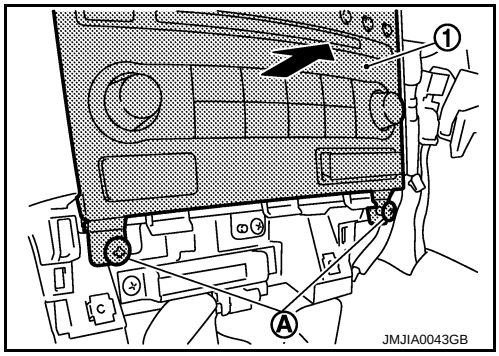
: Pawl

14. Remove screws (C) of center console rear side, and then remove center console assembly (1).



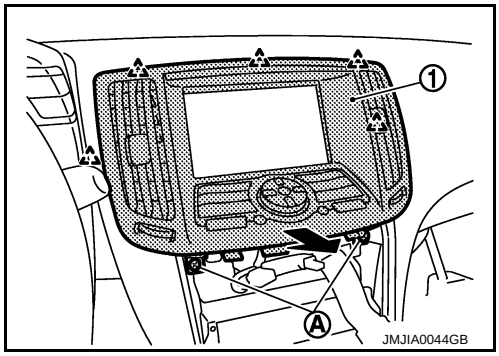
(A) Console fixing screws (A/T models) (B) Console fixing screws (M/T models)

15. Remove cluster lid C.
    - Remove cluster lid C fixing screws (A).
    - Pull back cluster lid C (1).
    - Disconnect harness connectors.

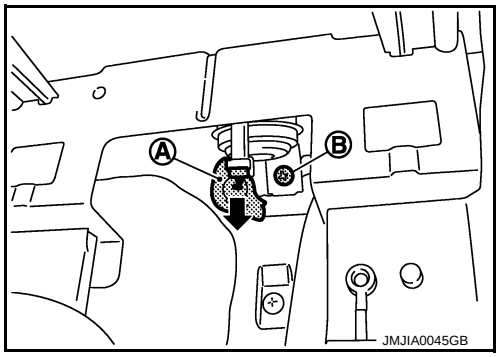


16. Remove cluster lid D.
    - Remove cluster lid D fixing screw (A).
    - Pull back cluster lid D (1).
    - Disconnect harness connectors.

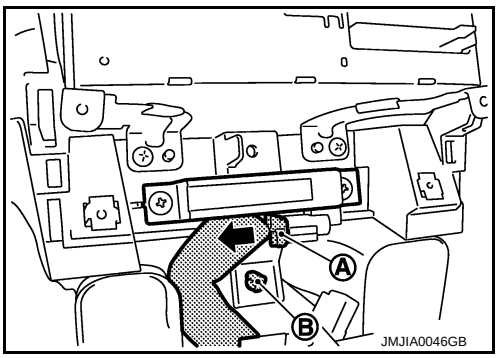
: Pawl



17. Remove display unit. Refer to AV-155, "Exploded View".
18. Disconnect center speaker harness connector (A). (with center speaker)
19. Remove screw (B).



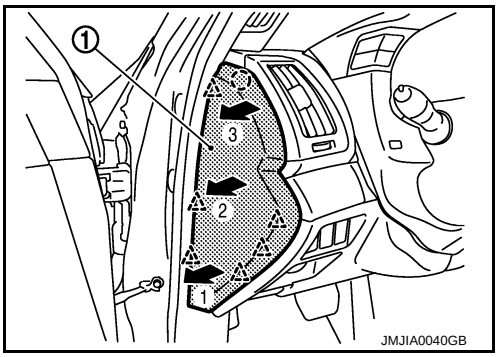
20. Disconnect inside key antenna connector (A) and clip (B) located under audio unit.



21. Remove AV control unit. Refer to AV-154, "Exploded View".
22. Remove body side welt LH. Refer to INT-15, "Exploded View".
23. Remove front pillar garnish LH. Refer to INT-15, "Exploded View".
24. Remove instrument side finisher LH.
    - Insert a remover tool into lower space.
    - Pull the instrument side finisher LH (1) crosswise.

    : Clip

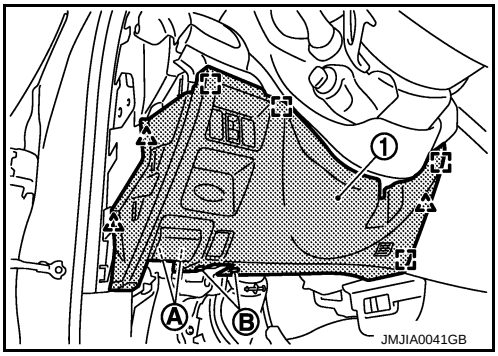
    : Pawl



25. Remove instrument lower panel LH.
    - Remove hood opener mounting bolts (A). Refer to DLK-282, "HOOD LOCK CONTROL : Exploded View".
    - Remove data link connector fixing screws (B).
    - Pull back instrument lower panel LH (1).
    - Disconnect harness connectors.

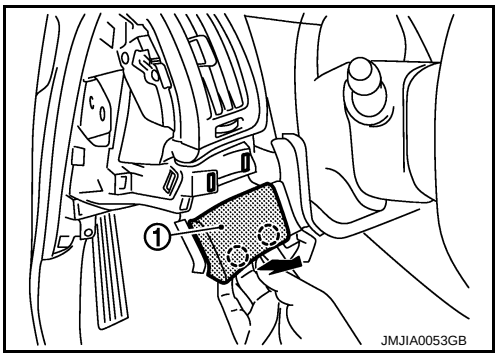
    : Pawl

    : Metal clip

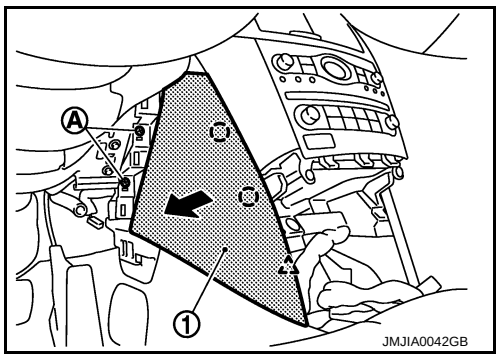


26. Remove instrument finisher A.
    Pull instrument finisher A (1) upward, and then disengage pawls.

    : Clip



27. Remove instrument side panel LH.
    - Remove instrument side panel fixing screw (A).
    - Pull the instrument side panel LH (1) crosswise.

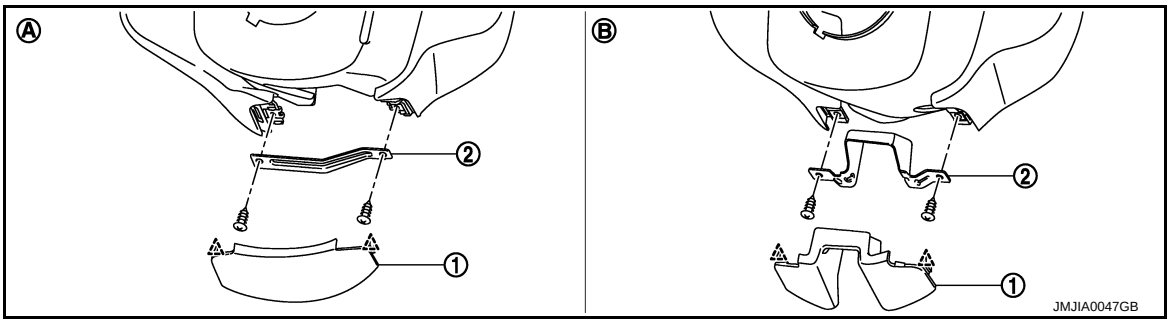


: Clip

: Pawl

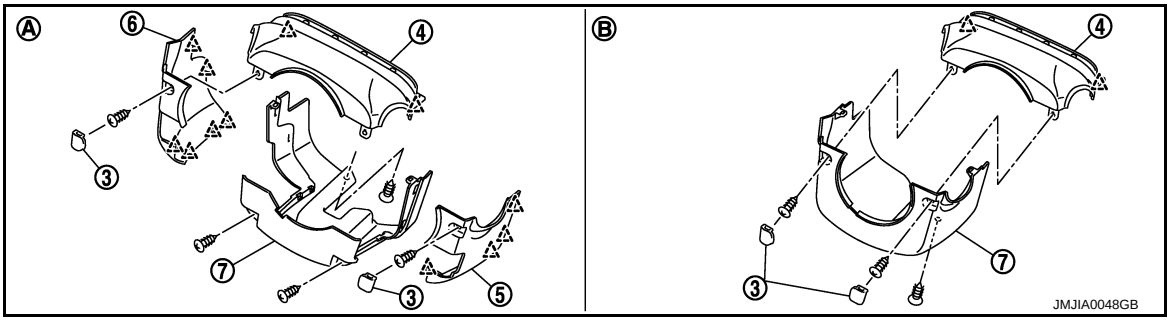
28. Remove steering wheel assembly. Refer to ST-13, "Exploded View".
29. Remove steering column covers.

CAUTION:
When removing the column covers, to facilitate the work operation remove first the steering wheel.



(A) Column cover (with electric column) (B) Column cover (with manual column)

- Remove steering column front lower cover (1).
- Remove cluster lid A lower bracket (2).



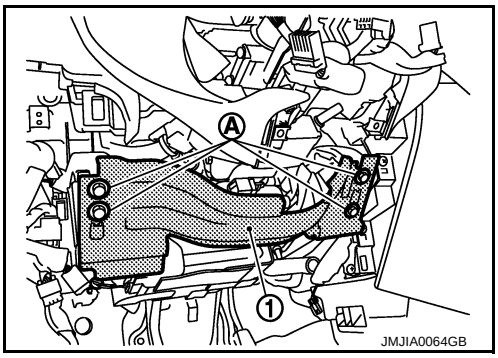
(A) Column cover (with PADDLE SHIFTER) (B) Column cover (without PADDLE SHIFTER)

- Remove steering column mask (3) and screws.
- Pull up steering column cover upper (4).
- Remove steering column side cover RH (5) (with PADDLE SHIFTER).
- Pull the steering column side cover LH (6) to the left side (with PADDLE SHIFTER).
- Disconnect ADP steering switch connector (with ADP).
- Remove steering column side cover LH.
- Remove screws, and then remove steering column lower cover (7).

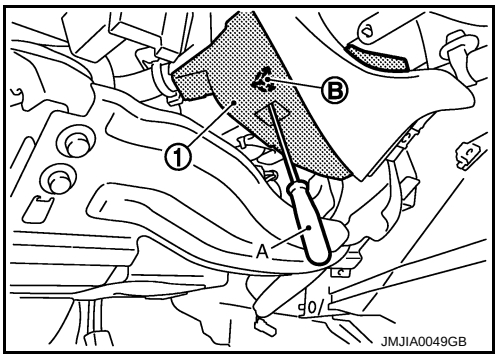
: Pawl

30. Remove spiral cable and steering angle sensor. Refer to SR-11, "Exploded View".
31. Remove combination switch. Refer to BCS-83, "Exploded View".

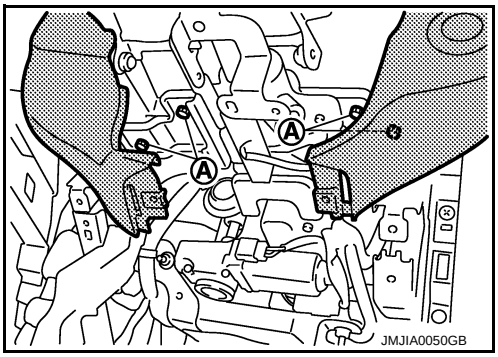
32. Remove paddle switch LH/RH (with PADDLE SHIFTER). Refer to TM-263, "Exploded View".
33. Remove cluster lid A.
    - Remove knee protector mounting bolts (A) with power tool, and then remove knee protector (1).



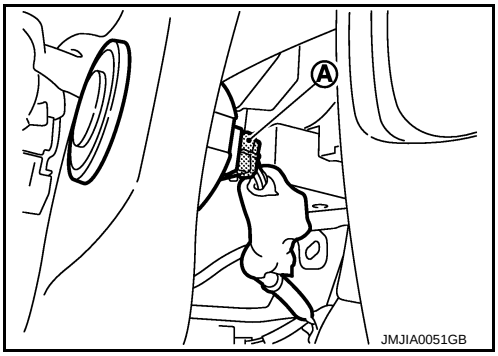
    - Disengage harness cover fixing pawl (B) by using tool (A) located under the column shaft.
    - Pull down harness cover (1).
      (with harness cover)



    - Remove cluster lid A (combination meter) mounting bolts (A).

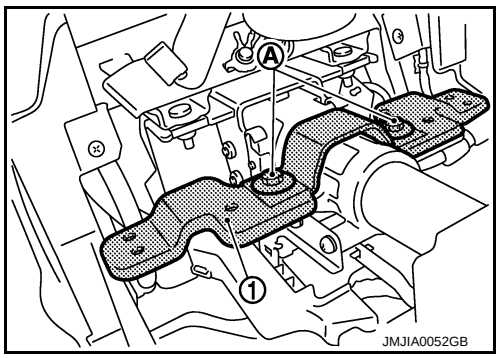


    - Disconnect push button ignition switch harness connector (A).



    - Pull back cluster lid A, and disconnect combination meter connectors.

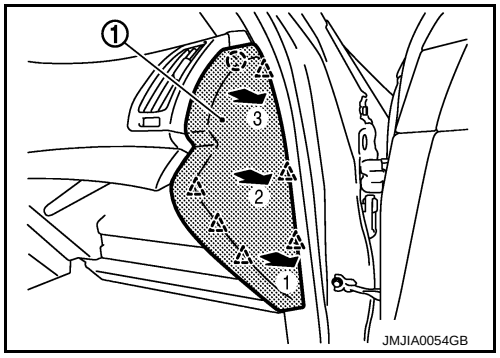
34. Remove meter bracket mounting bolts (A), and then remove meter bracket (1).



35. Remove front defroster grille LH. Refer to VTL-12, "FRONT DEFROSTER GRILLE : Removal and Installation".
    - Pull upward, disengage pawls.
    - Disconnect harness connector.
36. Remove front defroster grille RH. Refer to VTL-12, "FRONT DEFROSTER GRILLE : Removal and Installation".
    - Pull upward, disengaged pawls.
    - Disconnect harness connector.
37. Remove body side welt RH. Refer to INT-15, "Exploded View".
38. Remove front pillar garnish RH. Refer to INT-15, "Exploded View".
39. Remove instrument side finisher RH.
    - Insert a remover tool into lower space.
    - Pull the instrument side finisher RH (1) crosswise.

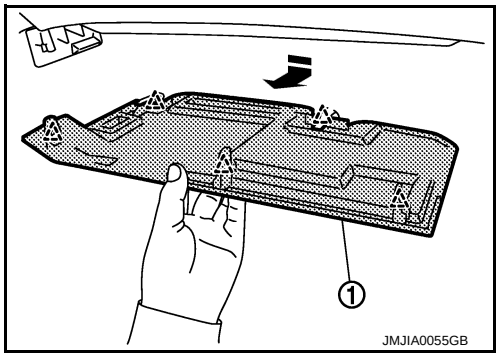
: Clip

: Pawl



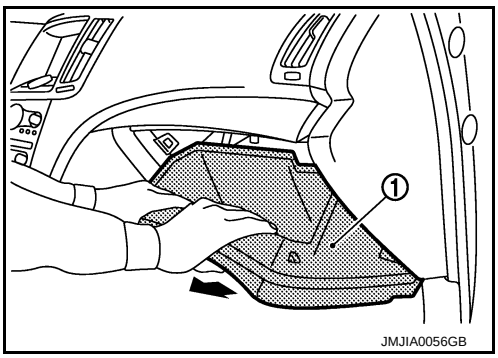
40. Remove instrument passenger lower cover.
    - Pull downward, disengaged pawls.
    - Pull back instrument passenger lower cover (1).

: Pawl

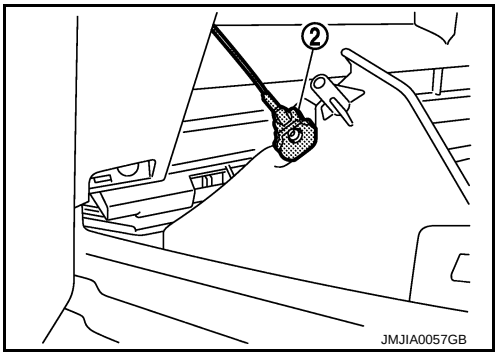


41. Remove glove box assembly.
    - Open the glove box.

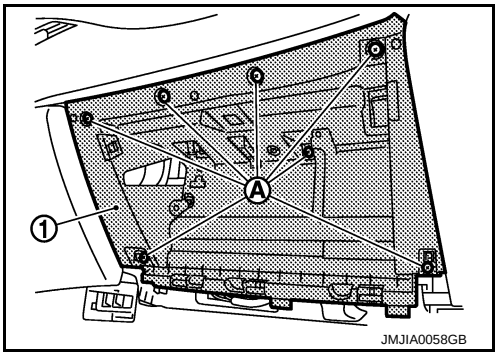
- Pull up glove box assembly (1).



- Remove damper pin (2) of left side.



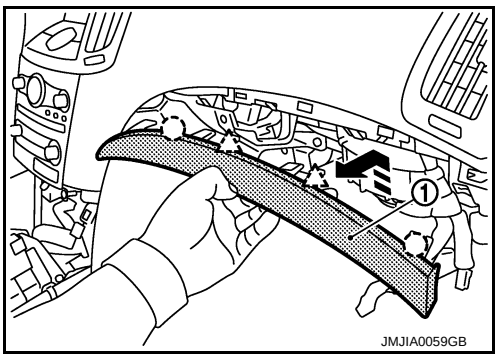
42. Remove instrument lower panel RH.
    - Remove instrument lower panel RH fixing screws (A) with power tool.
    - Pull back instrument lower panel RH (1).
    - Disconnect harness connector.



43. Remove instrument finisher B.
    Pull instrument finisher B (1) upward then disengage pawls.

    : Clip

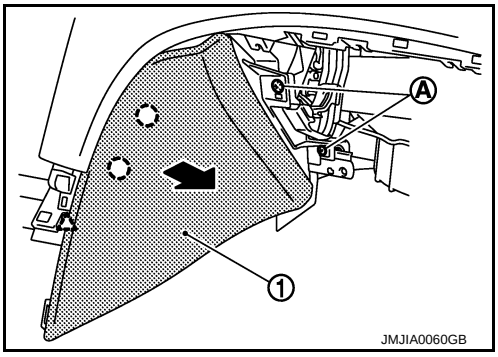
    : Pawl



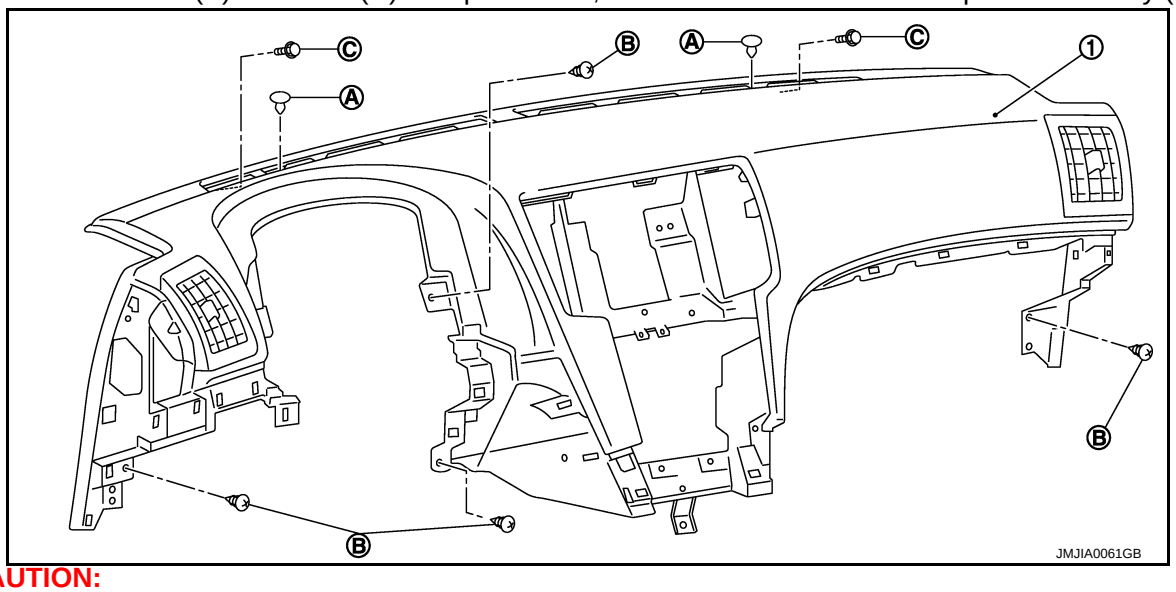
44. Remove instrument side panel RH.
    - Remove instrument side panel fixing screw (A).
    - Pull the instrument side panel RH (1) crosswise.

    : Clip

    : Pawl



45. Disconnect passenger air bag module connector. Refer to SR-17, "Removal and Installation".
46. Remove passenger air bag module mounting bolt. Refer to SR-17, "Exploded View".
47. Remove instrument panel assembly.
    - Remove defroster nozzle fixing clips (A).
    - Remove screws (B) and bolts (C) with power tool, and then remove instrument panel assembly (1).



CAUTION:
When removing instrument panel, 2 workers are required so as to prevent it from dropping.

48. Remove the following parts after removing instrument panel assembly.
    - Center speaker: Refer to AV-459, "Exploded View".
    - Front passenger air bag module: Refer to SR-17, "Removal and Installation".
    - Side ventilator grille LH/RH: Refer to VTL-11, "SIDE VENTILATOR GRILLE : Removal and Installation".
    - Inside key antenna: Refer to DLK-318, "INSTRUMENT CENTER : Exploded View".
    - Combination meter: Refer to MWI-128, "Exploded View".
    - Center speaker grille
    - Antenna feeder

INSTALLATION

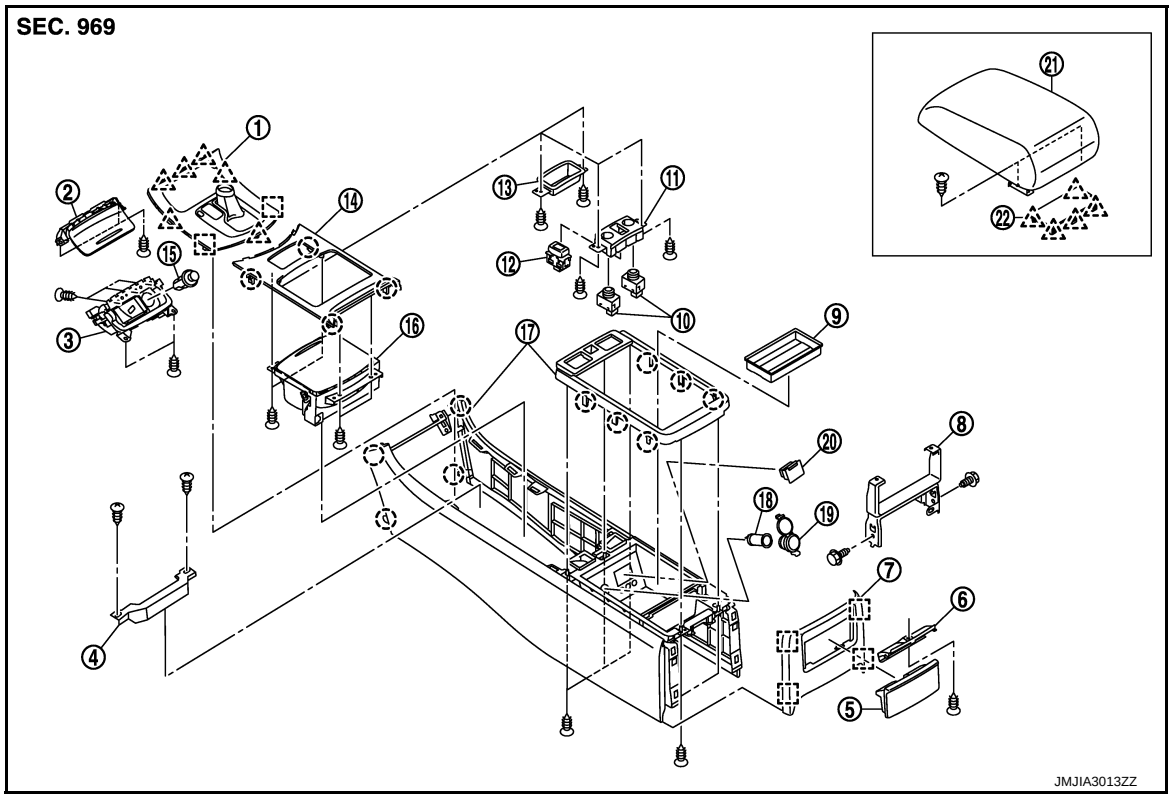
Install in the reverse order of removal.

CENTER CONSOLE ASSEMBLY

Exploded View

INFOID:0000000005040119

CENTER CONSOLE (A/T MODELS)



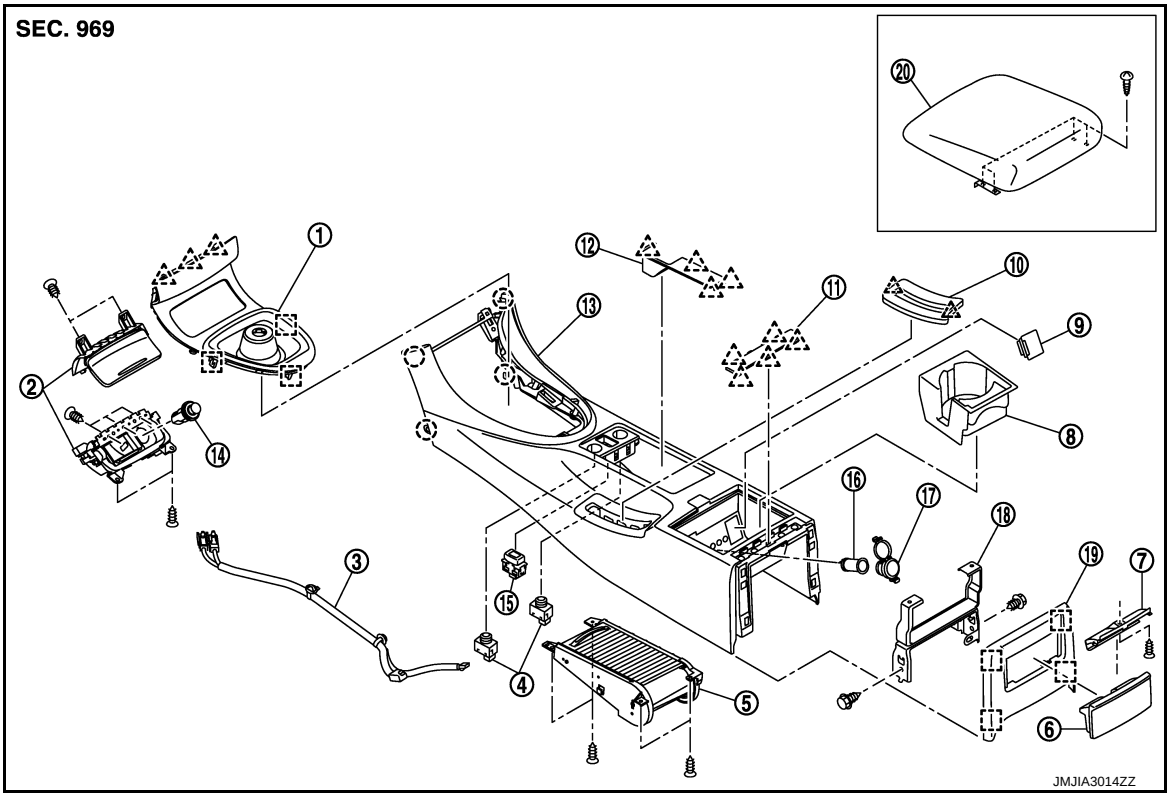
1. Console finisher assembly
2. Ashtray lid (front)
3. Ashtray (front)
4. Console front bracket
5. Console ashtray
6. Console ashtray bracket
7. Console rear finisher
8. Console rear bracket
9. Console pocket
10. Heated seat switch
11. Switch panel
12. Roof open/close switch
13. Switch panel (pocket type)
14. Rear upper console assembly
15. Cigarette lighter
16. Cup holder assembly
17. Center console assembly
18. Cigarette lighter case
19. Socket knob
20. Auxiliary input jacks
21. Console lid
22. Console mask

: Clip

: Pawl

: Metal clip

CENTER CONSOLE (M/T MODELS)



1. Console finisher assembly
2. Ashtray (front)
3. Console sub harness
4. Heated seat switch
5. Cup holder assembly (front)
6. Console ashtray
7. Console ashtray bracket
8. Cup holder assembly (rear)
9. Auxiliary input jacks
10. Parking brake lever finisher
11. Console mask
12. Coin pocket
13. Center console assembly
14. Cigarette lighter
15. Roof open/close switch
16. Cigarette lighter case
17. Socket knob
18. Console rear bracket
19. Console rear finisher
20. Console lid

: Clip

: Pawl

: Metal clip

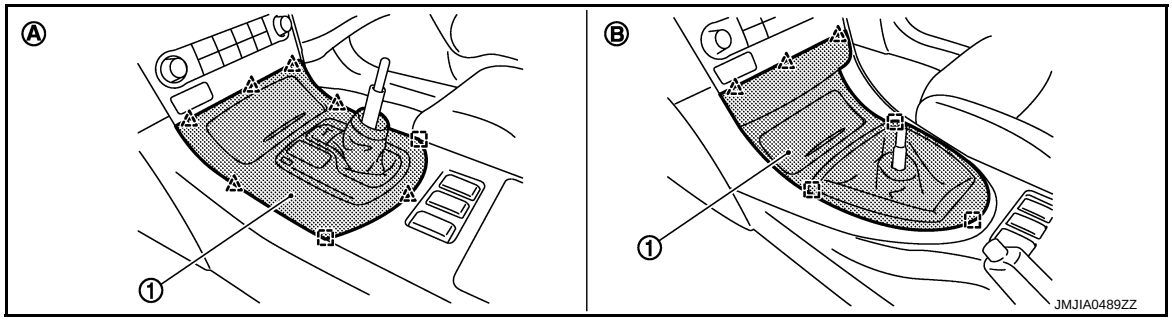
Removal and Installation

INFOID:0000000005040120

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

REMOVAL

1. Put selector lever in drive position (A/T models only).
2. Remove selector lever knob (A/T models only). Refer to TM-260, "Exploded View".
3. Remove shift lever knob (M/T models only). Refer to TM-19, "Exploded View".
4. Remove console finisher.



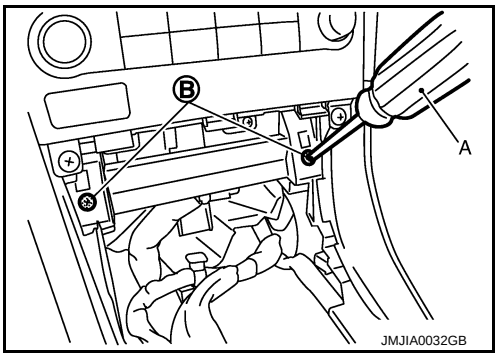
(A) Console finisher (A/T models) (B) Console finisher (M/T models)

- Remove clips from rear of console finisher (1), and then remove pawl of front.
- Pull console finisher (1) upward to disengage from center console.
- Disconnect harness connectors.

: Pawl

: Metal clip

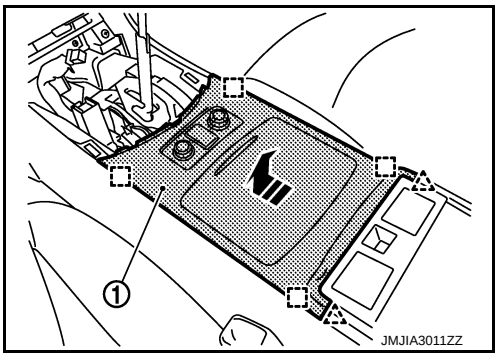
5. Remove screws (B) from center console front side with screwdriver (A).



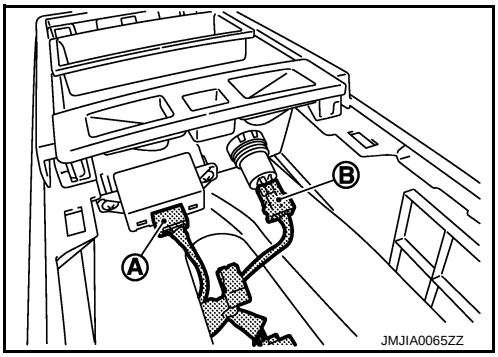
6. Remove rear upper console assembly (A/T models only).
   - Slide to front, pull up rear upper console assembly (1), and disconnect metal clips.
   - Disconnect heated seat switch harness connectors. (with heated seat)

: Pawl

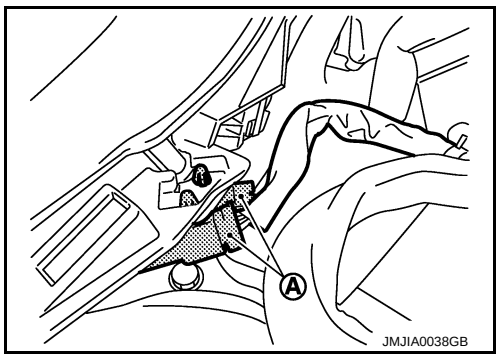
: Metal clip



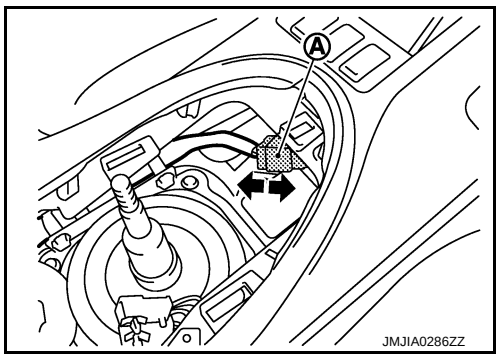
7. Disconnect auxiliary input jacks connector (A) and power socket harness connector (B) (A/T models only).



8. Disconnect console sub harness connectors (A) (M/T models only).

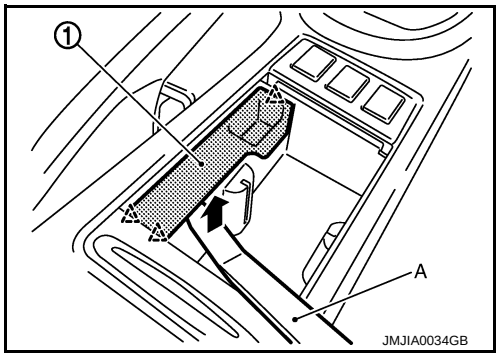


9. Disconnect heated seat switch connector (A) (M/T models with heated seat only).

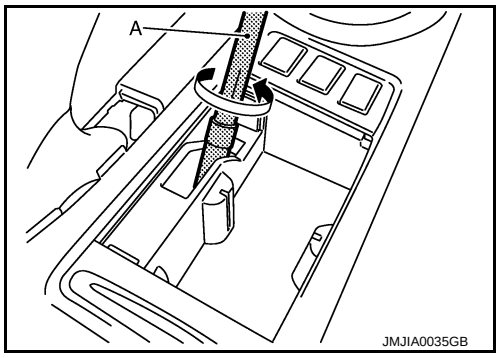


10. Remove coin pocket fixing pawls using a remover tool (A), and then remove coin pocket (1) (M/T models only).

: Pawl

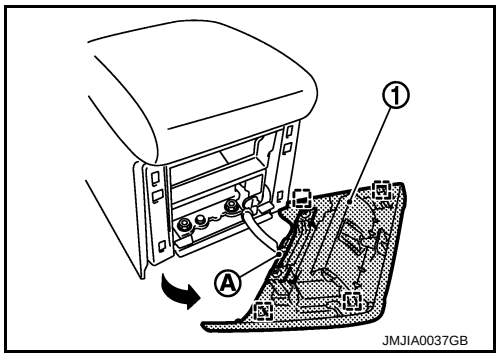


11. Insert a deep-well socket wrench (A) to rotate adjusting nut to loosen cable sufficiently (M/T models only).
Refer to PB-3, "LEVER TYPE : Inspection and Adjustment".

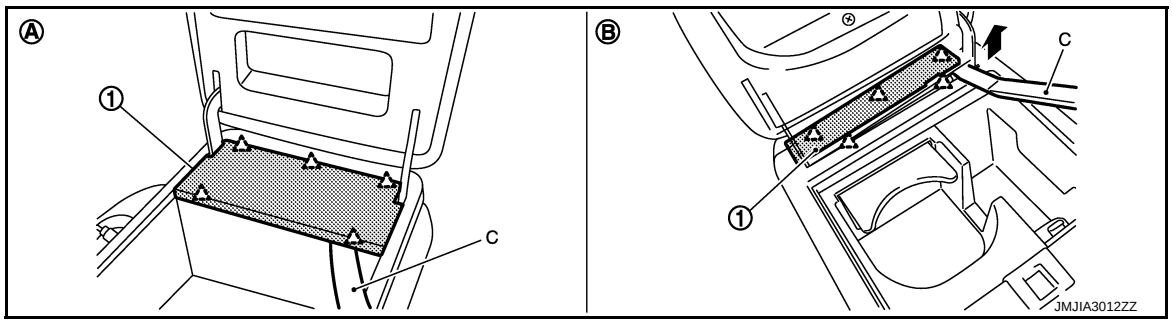


12. Remove console rear finisher.
- Pull back the console rear finisher (1).
- Disconnect inside key antenna connector (A).

: Metal clip



13. Remove console mask.

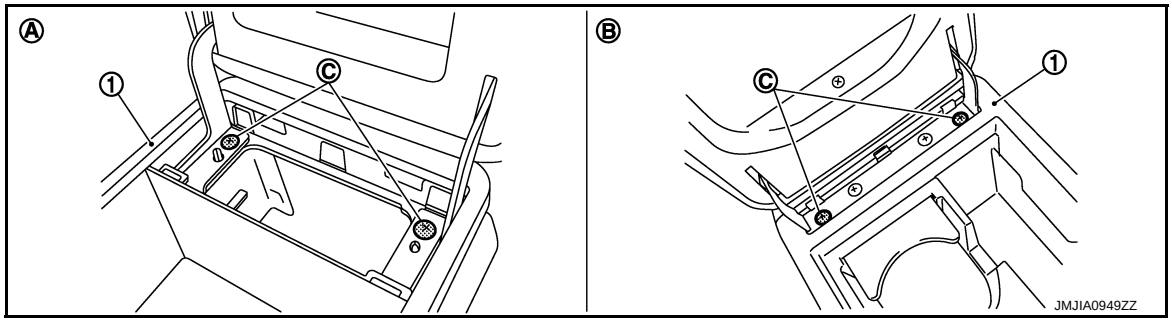


(A) Console mask (A/T models) (B) Console mask (M/T models)

- Open the console lid.
- Pull up console mask (1) by using a remover tool (C), and disengage pawls.

: Pawl

14. Remove screws (C) from center console rear side, and then remove center console assembly (1).



(A) Console fixing screws (A/T models) (B) Console fixing screws (M/T models)

INSTALLATION

Install in the reverse order of removal.

Disassembly and Assembly

INFOID:0000000005040121

CAUTION:

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

DISASSEMBLY AND ASSEMBLY OF CENTER CONSOLE (A/T MODELS)

Disassembly

1. Remove screws of console finisher assembly back side, and remove ashtray (front portion).
2. Remove rear upper console assembly. Refer to IP-25, "Removal and Installation".
3. Remove screws and remove cup holder assembly.
4. Remove screws and remove console front bracket.
5. Remove console mask. Refer to IP-25, "Removal and Installation".
6. Remove console lid fixing screws and remove console lid.
7. Remove metal clips and remove console rear finisher. Refer to IP-25, "Removal and Installation".
8. Remove console ashtray.
9. Remove screw and remove console ashtray bracket.
10. Remove console pocket from center console assembly.
11. Remove auxiliary input jacks, socket knob, and cigarette lighter case.

Assembly

Assemble in the reverse order of disassembly.

DISASSEMBLY AND ASSEMBLY OF CENTER CONSOLE (M/T MODELS)

Disassembly

1. Remove screws of console finisher assembly back side, and remove ashtray (front portion).
2. Remove coin pocket. Refer to IP-25, "Removal and Installation".
3. Remove console mask. Refer to IP-25, "Removal and Installation".
4. Remove console lid fixing screws and remove console lid.
5. Remove metal clips and remove console rear finisher. Refer to IP-25, "Removal and Installation".
6. Remove console ashtray.
7. Remove screw and remove console ashtray bracket.
8. Remove screws and remove cup holder assembly.
9. Remove auxiliary input jacks, socket knob, and cigarette lighter case.
10. Remove console sub harness.

Assembly

Assemble in the reverse order of disassembly.