

SECTION **IP**
INSTRUMENT PANEL

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SQUEAK AND RATTLE TROUBLE DIAGNOSES

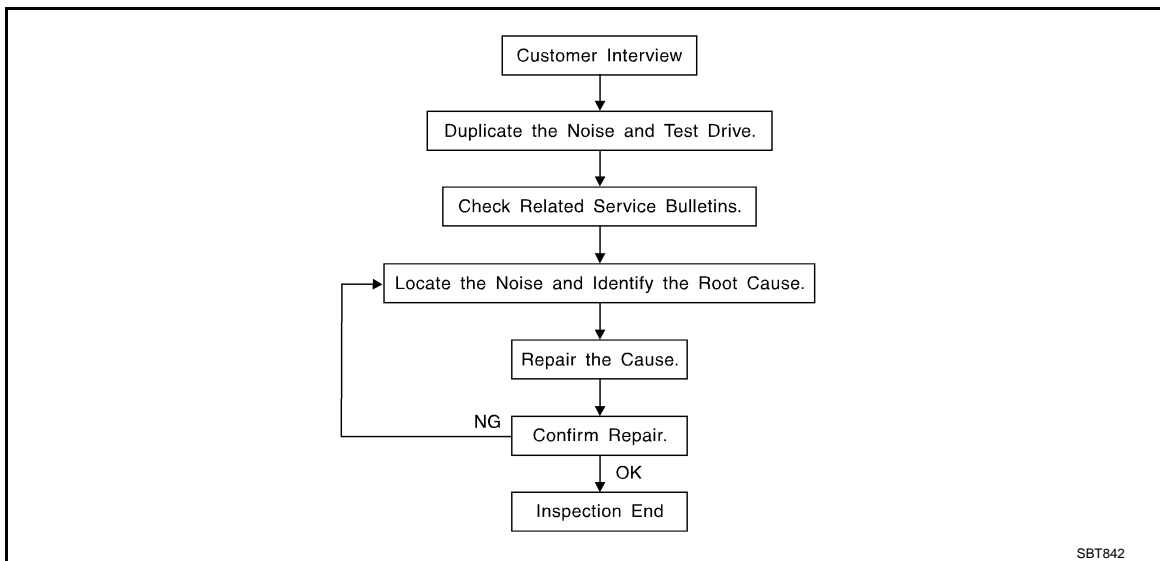
< SYMPTOM DIAGNOSIS >

SYMPTOM DIAGNOSIS

SQUEAK AND RATTLE TROUBLE DIAGNOSES

Work Flow

INFOID:000000001160441



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-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, 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 you may judge as acceptable may be very irritating to the customer.
- Weather conditions, especially humidity and temperature, may have a great effect on noise level.

DUPLICATE THE NOISE AND TEST DRIVE

SQUEAK AND RATTLE TROUBLE DIAGNOSES

< SYMPTOM DIAGNOSIS >

If possible, drive the vehicle with the customer until the noise is duplicated. Note any additional information on the Diagnostic Worksheet regarding the conditions or location of the noise. This information can be used to duplicate the same conditions when you confirm the repair.

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 the noise is coming from.
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 is causing 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 with your hand by touching the component(s) that you suspect is (are) causing the noise.
 - placing a piece of paper between components that you suspect are causing 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 component, if possible.
 - insulate components with a suitable insulator such as urethane pads, foam blocks, felt cloth tape or urethane tape are available through your authorized Nissan Parts Department.

CAUTION:

Do not 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 will be visible or not fit.
Note: Will only last a few months.
- SILICONE SPRAY
Use when grease cannot be applied.
- DUCT TAPE
Use to eliminate movement.

CONFIRM THE REPAIR

SQUEAK AND RATTLE TROUBLE DIAGNOSES

< SYMPTOM DIAGNOSIS >

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

Inspection Procedure

INFOID:000000001160442

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:

Do not use silicone spray to isolate a squeak or rattle. If you saturate the area with silicone, you will not be able to recheck the repair.

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:

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. You can usually insulate the areas 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 owner.

In addition look for:

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

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

SUNROOF/HEADLINING

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

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

SQUEAK AND RATTLE TROUBLE DIAGNOSES

< SYMPTOM DIAGNOSIS >

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.

A

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 is present. These conditions should be duplicated when verifying and isolating the cause of the noise.

B

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

C

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.

D

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.

E

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

F

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

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SQUEAK AND RATTLE TROUBLE DIAGNOSES

< SYMPTOM DIAGNOSIS >

Diagnostic Worksheet

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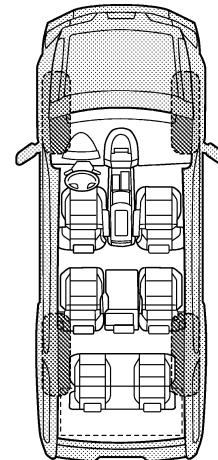
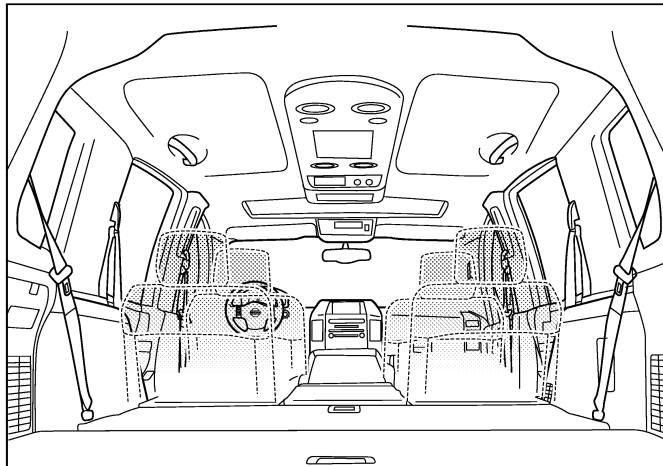
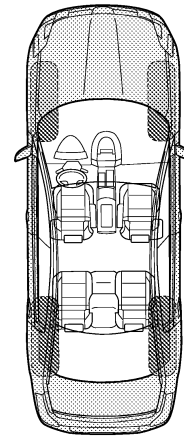
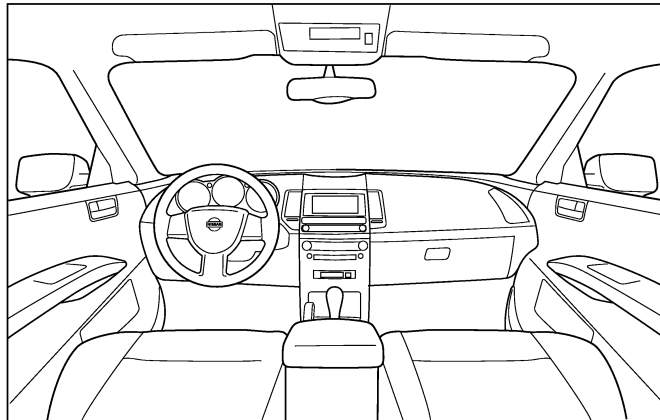
SQUEAK & RATTLE DIAGNOSTIC WORKSHEET

Dear Nissan Customer:

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

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

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



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

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SQUEAK AND RATTLE TROUBLE DIAGNOSES

< SYMPTOM DIAGNOSIS >

SQUEAK & RATTLE DIAGNOSTIC WORKSHEET - page 2

Briefly describe the location where the noise occurs:

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

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

III. WHEN DRIVING:

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

IV. WHAT TYPE OF NOISE

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

TO BE COMPLETED BY DEALERSHIP PERSONNEL

Test Drive Notes:

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

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

This form must be attached to Work Order

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PRECAUTIONS

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PRECAUTION

PRECAUTIONS

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

INFOID:000000001298033

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

Precaution Necessary for Steering Wheel Rotation After Battery Disconnect

INFOID:000000001298034

NOTE:

- This Procedure is applied only to models with Intelligent Key system and NATS (NISSAN ANTI-THEFT SYSTEM).
- Remove and install all control units after disconnecting both battery cables with the ignition knob in the "LOCK" position.
- Always use CONSULT-III to perform self-diagnosis as a part of each function inspection after finishing work. If DTC is detected, perform trouble diagnosis according to self-diagnostic results.

For models equipped with the Intelligent Key system and NATS, an electrically controlled steering lock mechanism is adopted on the key cylinder.

For this reason, if the battery is disconnected or if the battery is discharged, the steering wheel will lock and steering wheel rotation will become impossible.

If steering wheel rotation is required when battery power is interrupted, follow the 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. Use the Intelligent Key or mechanical key to turn the ignition switch to the "ACC" position. At this time, the steering lock will be released.
3. Disconnect both battery cables. The steering lock will remain released and the steering wheel can be rotated.
4. Perform the necessary repair operation.
5. When the repair work is completed, return the ignition switch to the "LOCK" position before connecting the battery cables. (At this time, the steering lock mechanism will engage.)
6. Perform a self-diagnosis check of all control units using CONSULT-III.

Precaution

INFOID:000000001160446

- Disconnect both battery cables 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, which may get in the way with cloth.

PRECAUTIONS

< PRECAUTION >

- When removing parts with a screwdriver or other tool, protect parts by wrapping them with vinyl or tape.
- Keep removed parts protected with cloth.
- If a clip is deformed or damaged, replace it.
- If an un reusable part is removed, replace it with a new one.
- Tighten bolts and nuts firmly to the specified torque.
- After re-assembly has been completed, make sure each part functions correctly.
- Remove stains in the following way.

Water-soluble stains:

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

Oil stain:

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

- Do not use any organic solvent, such as thinner or benzene.

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PREPARATION

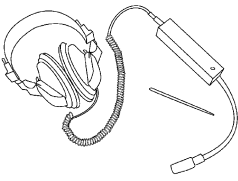
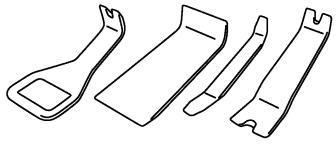
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PREPARATION

PREPARATION

Commercial Service Tools

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Tool name	Description
<p data-bbox="159 520 267 546">Engine ear</p>  <p data-bbox="795 630 860 651">SIIA0995E</p>	<p data-bbox="1006 520 1193 546">Locating the noise</p>
<p data-bbox="159 772 292 798">Remover tool</p>  <p data-bbox="795 882 860 903">PIIB7923J</p>	<p data-bbox="1006 772 1331 798">Remove clips, pawls, metal clips</p>

INSTRUMENT PANEL ASSEMBLY

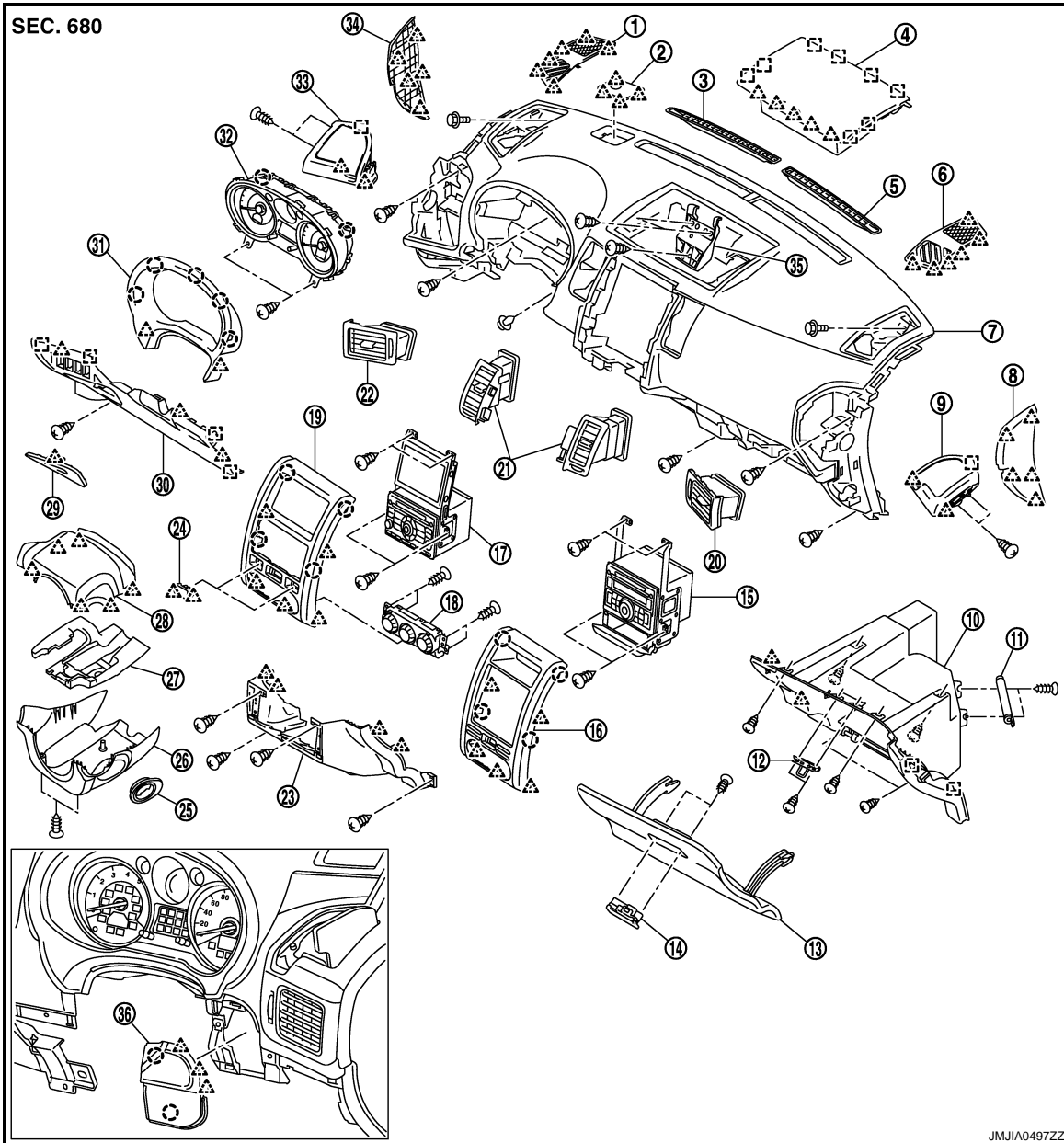
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ON-VEHICLE REPAIR

INSTRUMENT PANEL ASSEMBLY

Exploded View

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- | | | |
|-----------------------------------|-----------------------------------|--------------------------------------|
| 1. Speaker grille LH | 2. Instrument mask | 3. Front defroster grille LH |
| 4. Instrument center box assembly | 5. Front defroster grille RH | 6. Speaker grille RH |
| 7. Instrument panel assembly | 8. Instrument side finisher RH | 9. Cup holder assembly RH |
| 10. Glove box cover assembly | 11. Glove box dumper | 12. Glove box striker |
| 13. Glove box lid | 14. Glove box lock | 15. Audio unit (without NAVI) |
| 16. Cluster lid C (without NAVI) | 17. Audio unit (with NAVI) | 18. A/C controller |
| 19. Cluster lid C (with NAVI) | 20. Side ventilator grille RH | 21. Center ventilator grille |
| 22. Side ventilator grille LH | 23. Instrument center lower panel | 24. Switch mask |
| 25. Steering lock escutcheon | 26. Steering column cover lower | 27. Instrument inner cover protector |
| 28. Steering column cover upper | 29. Fuse block lid | 30. Instrument driver lower panel |
| 31. Cluster lid A | 32. Combination meter | 33. Cup holder assembly LH |

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
INSTRUMENT PANEL ASSEMBLY


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34. Instrument side finisher LH

35. Instrument center bracket

36. Instrument finisher (RHD models)

 : Clip

 : Pawl

 : Metal clip

Removal and Installation

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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	AUDIO UNIT	CENTER CONSOLE
Selector/shift lever Knob	[1]			[1]
Console finisher	[2]			[2]
Instrument lower cover LH/RH	[3]			[3]
Center console assembly	[4]			[4]
Steering wheel	[5]			
Steering column cover	[6]	[1]		
Lighting and turn signal switch	[7]	[2]		
Wiper and washer switch	[8]	[3]		
Cluster lid A	[9]	[4]		
Combination meter	[10]	[5]		
Instrument mask	[11]			
Instrument side finisher LH	[12]			
Speaker grille LH	[13]			
Tweeter LH	[14]			
Cup holder LH	[15]			
Cluster lid C	[16]		[1]	
Audio unit	[17]		[2]	
Instrument center box assembly	[18]			
Instrument center bracket	[19]			
Instrument driver lower panel	[20]			
Instrument side finisher RH	[21]			
Speaker grille RH	[22]			
Tweeter RH	[23]			
Cup holder RH	[24]			
Glove box assembly	[25]			
Instrument center lower panel	[26]			
Instrument panel assembly	[27]			

[]: Number indicates step in removal procedures.

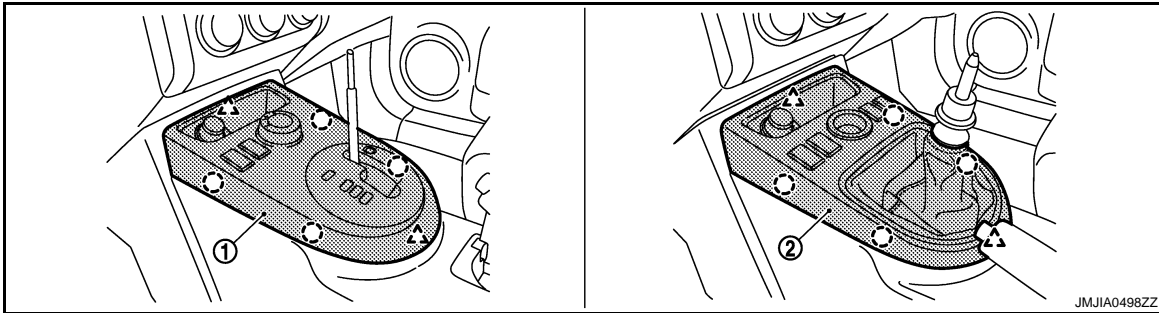
REMOVAL

- Put selector lever in drive position. (AT and CVT Models only)
- Remove selector lever knob. (AT Models only) Refer to [TM-341, "Removal and Installation"](#).
- Remove selector lever knob. (CVT Models only) Refer to [TM-515, "SPORT MODE : Removal and Installation"](#).
- Remove shift lever knob. (MT Models only) Refer to [TM-21, "Removal and Installation"](#).

INSTRUMENT PANEL ASSEMBLY

< ON-VEHICLE REPAIR >

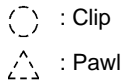
5. Remove console finisher.



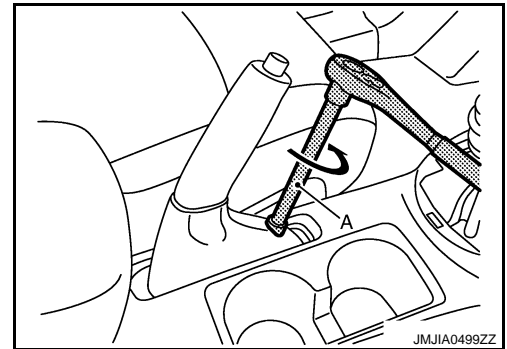
1. Console finisher (AT/CVT Models)

2. Console finisher (M/T Models)

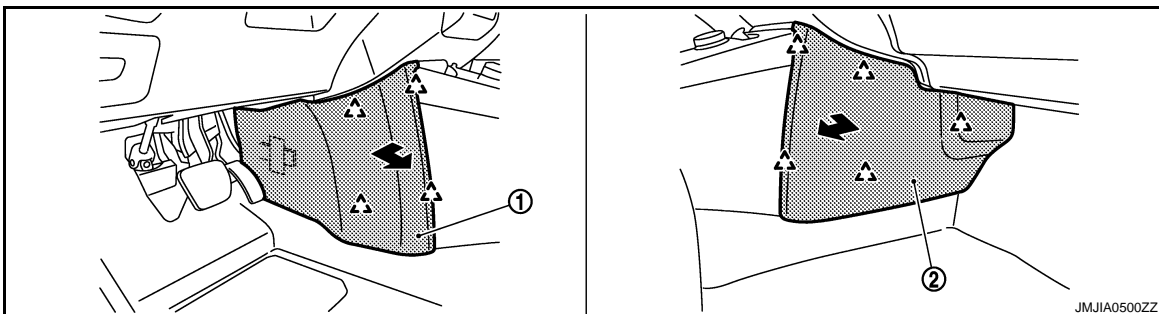
- Remove clips from rear of console finisher, and then remove pawl of front. Pull front console finisher upward to disengage from center console.
- Disconnect harness connectors.



6. Insert a deep-well socket wrench (A) to rotate adjusting nut to loosen cable sufficiently.



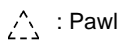
7. Remove instrument lower covers LH / RH.



1. Instrument lower cover LH

2. Instrument lower cover RH

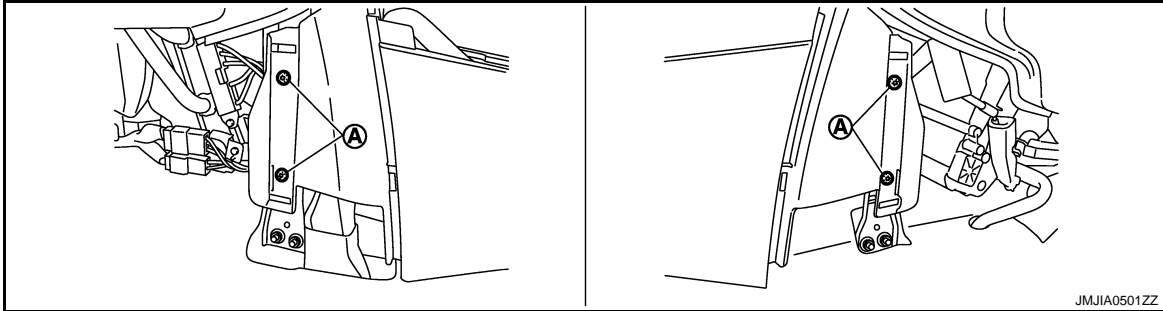
- Pull from the rear of instrument lower cover to release rear pawls.
- Pull backward to release instrument lower cover from instrument panel.



INSTRUMENT PANEL ASSEMBLY

< ON-VEHICLE REPAIR >

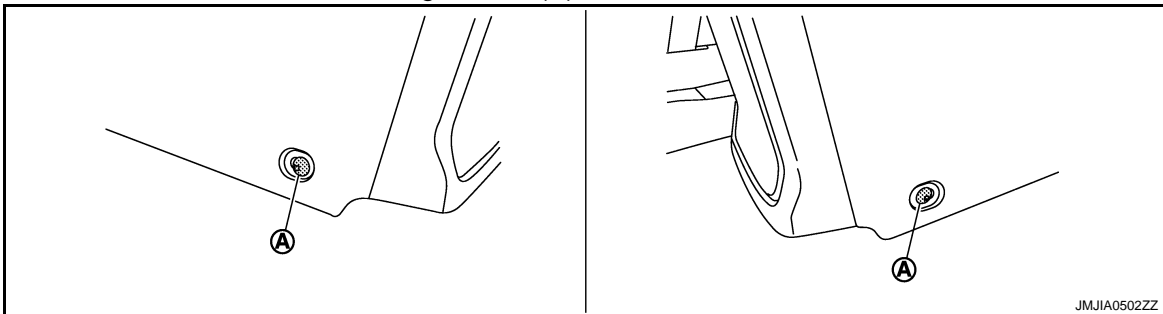
8. Remove center console front mounting screws (A) LH/RH.



Center console mounting screws LH

Center console mounting screws RH

9. Remove center console rear mounting screws (A) LH/RH.

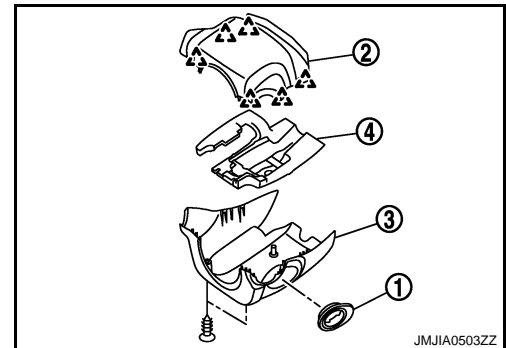


Center console mounting screws LH

Center console mounting screws RH

10. Disconnect console sub harness connectors, and then remove center console assembly.
11. Remove front kicking plate LH, front body side welt LH, dash side finisher LH, front pillar garnish LH. Refer to [INT-16. "Removal and Installation"](#).
12. Remove steering wheel. Refer to [ST-9. "Removal and Installation"](#).
13. Remove steering column covers.
- Remove steering lock escutcheon (1).
 - Remove steering column cover upper (2).
 - Remove steering column cover lower (3) fixing screws, and then remove steering column cover lower.
 - Remove instrument inner cover protector (4).

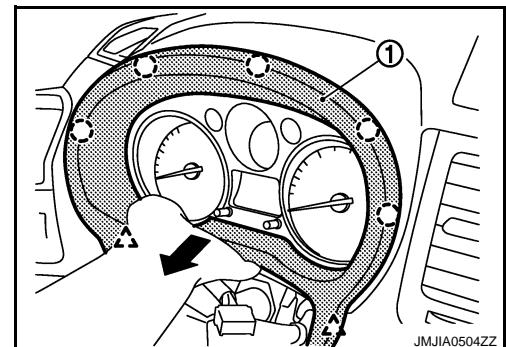
△ : Pawl



14. Remove lighting and turn signal switch. Refer to [EXL-221. "Removal and Installation"](#).
15. Remove wiper and washer switch. Refer to [WW-117. "Removal and Installation"](#).
16. Remove cluster lid A.
Pull back cluster lid A (1).

○ : Clip

△ : Pawl

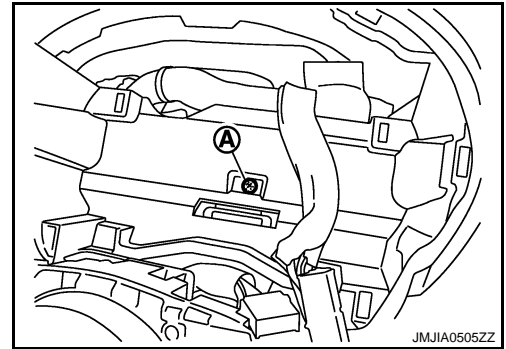


17. Remove combination meter. Refer to [MWI-83. "Removal and Installation"](#).

INSTRUMENT PANEL ASSEMBLY


< ON-VEHICLE REPAIR >

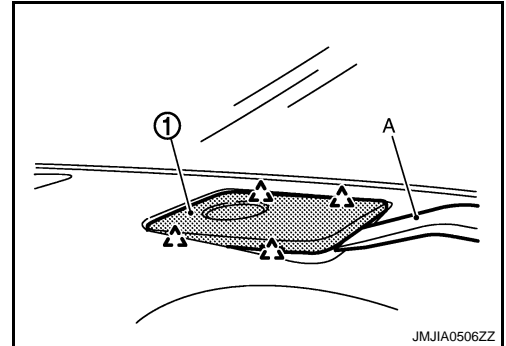
18. Remove screws (A) located back of combination meter.



19. Remove instrument mask.


- Remove instrument mask (1) fixing pawls using a remover tool (A).
- Disconnect sensor connector.

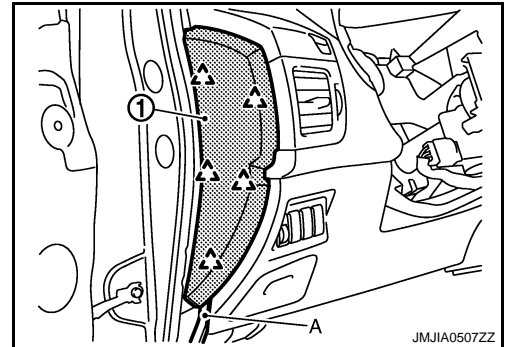
 : Pawl



20. Remove instrument side finisher LH.


- Insert a remover tool (A) into lower space.
- Pull the instrument side finisher LH (1) crosswise.

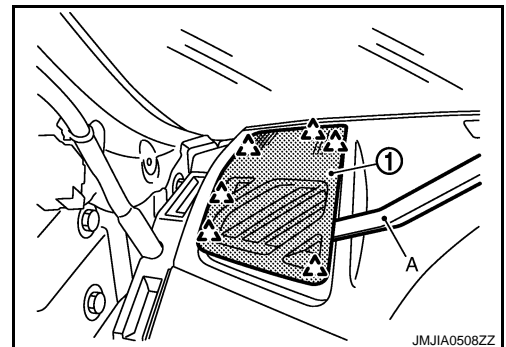
 : Pawl



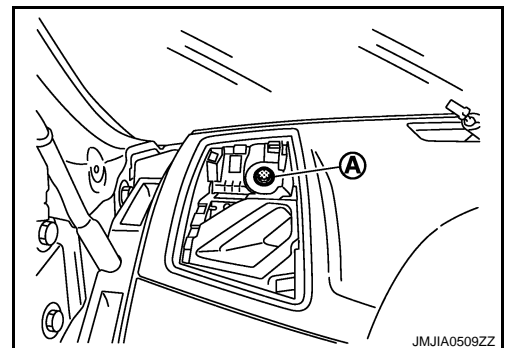
21. Remove speaker grille LH.

- Remove speaker grille LH (1) fixing pawls using remover tool (A).
- Pull up speaker grille LH (1).

 : Pawl



22. Remove bolt (A) located back the speaker grille LH.



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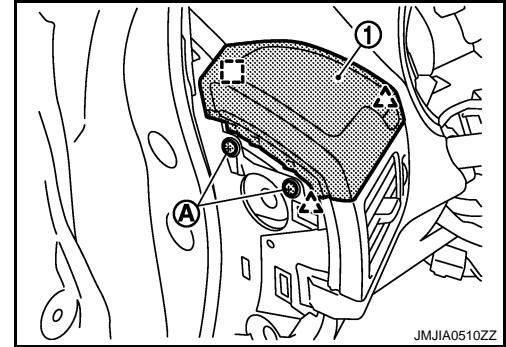
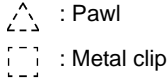
INSTRUMENT PANEL ASSEMBLY

< ON-VEHICLE REPAIR >

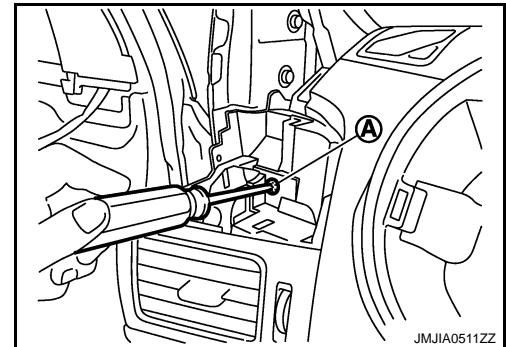
23. Remove tweeter LH. (with Tweeter) Refer to [AV-40. "Removal and Installation"](#).

24. Remove cup holder assembly LH.

- Remove cup holder assembly LH (1) mounting screws (A).
- Pull cup holder assembly LH (1) upward to disengage from instrument panel.

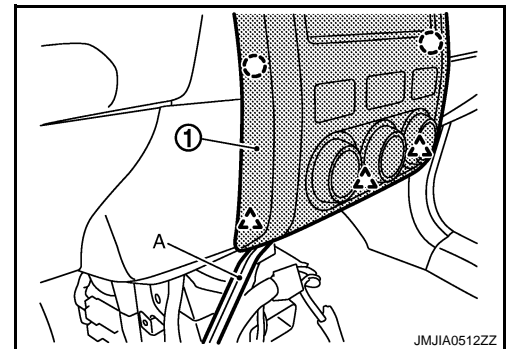
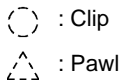


25. Remove screw (A) located back the cup holder assembly LH.



26. Remove cluster lid C.

- Using remover tool (A), release cluster lid C (1) fixing pawls and clips, from lower to upper, from Instrument panel.
- Release harness connector.

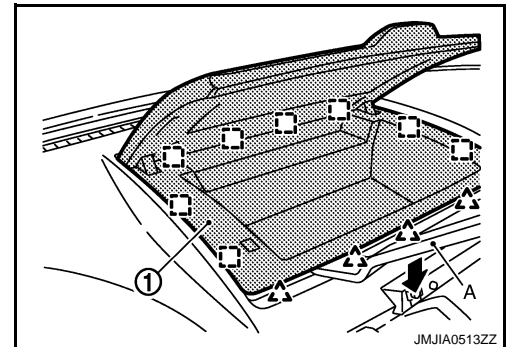
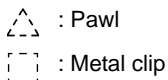


27. Remove audio unit.

- Refer to [AV-37. "Removal and Installation"](#). (without NAVI)
- Refer to [AV-256. "Removal and Installation"](#). (with NAVI)

28. Remove instrument center box assembly.

- Using remover tool (A), release instrument center box assembly (1) fixing pawls and metal clips.
- Pull up instrument center box assembly (1).

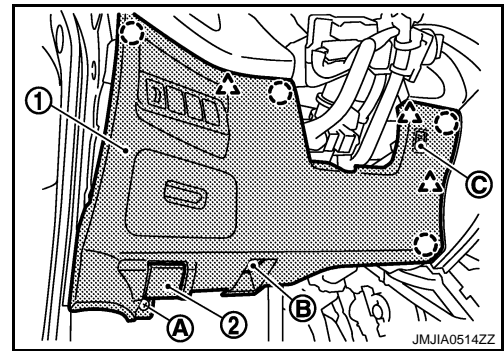
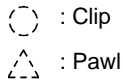


29. Remove instrument center bracket mounting screws, and then remove instrument center bracket.

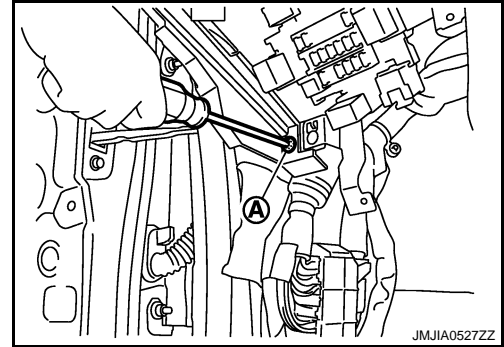
INSTRUMENT PANEL ASSEMBLY

< ON-VEHICLE REPAIR >

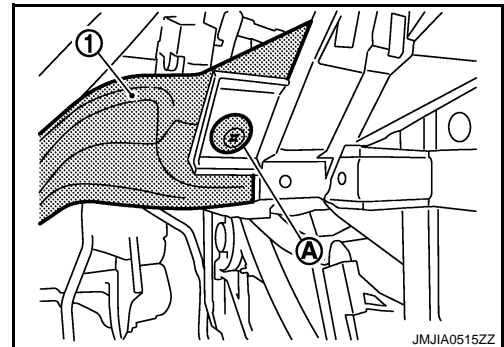
30. Remove instrument driver lower panel.
- Remove instrument driver lower panel (1) mounting screw (A).
 - Pull back instrument driver lower panel (1).
 - Remove hood opener lever (2).
 - Refer to [DLK-254, "HOOD LOCK CONTROL : Exploded View"](#).
 - Release date link connector (B).
 - Disconnect in-vehicle sensor harness connector (C).



31. Remove screw (A) located back the instrument driver lower panel.

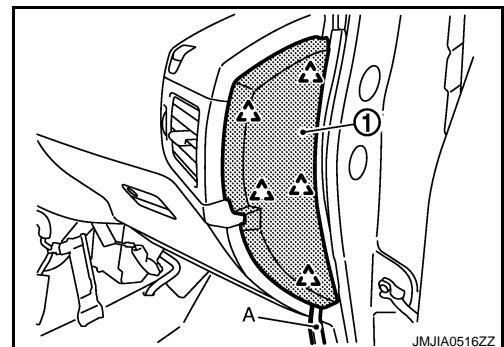
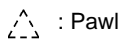


32. Remove foot duct (1) fixing clip (A) of instrument panel.



33. Remove front kicking plate RH, front body side welt RH, dash side finisher RH, front pillar garnish RH.
Refer to [INT-16, "Removal and Installation"](#).

34. Remove instrument side finisher RH.
- Insert a remover tool (A) into lower space.
 - Pull the instrument side finisher RH (1) crosswise.




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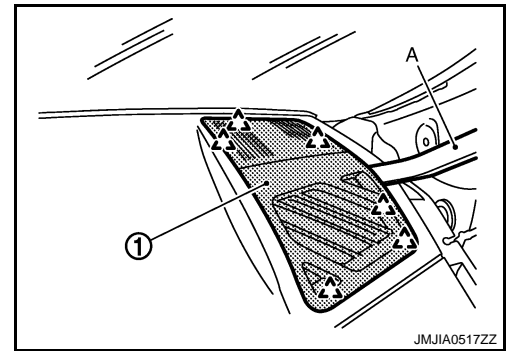
INSTRUMENT PANEL ASSEMBLY

< ON-VEHICLE REPAIR >

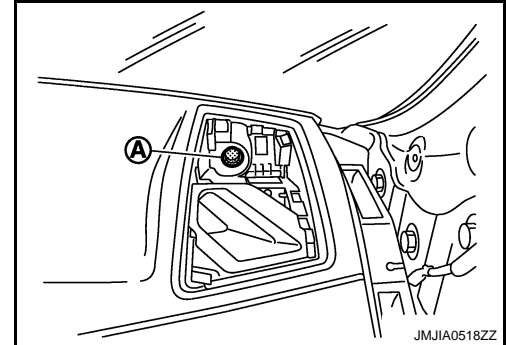
35. Remove speaker grille RH.

- Remove speaker grille RH (1) fixing pawls using remover tool (A).
- Pull up speaker grille RH (1).

 : Pawl




36. Remove bolt (A) located back the speaker grille RH.




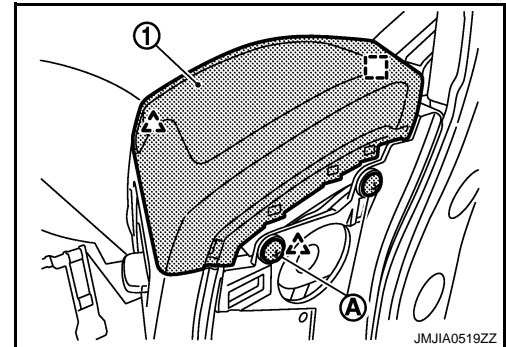
37. Remove tweeter RH. (with Tweeter) Refer to [AV-40. "Removal and Installation"](#).

38. Remove cup holder assembly RH.

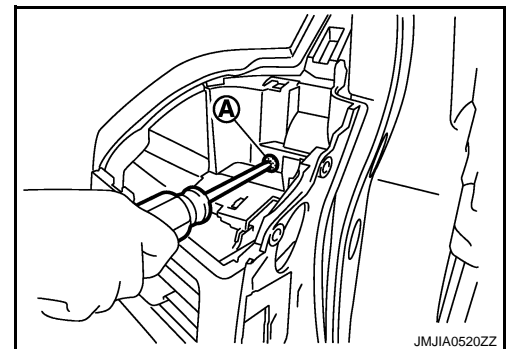
- Remove cup holder assembly RH (1) mounting screws (A).
- Pull cup holder assembly RH (1) upward to disengage from instrument panel.

 : Pawl

 : Metal clip



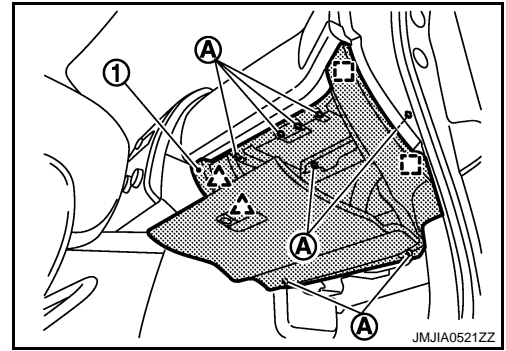
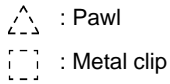
39. Remove screw (A) located back the cup holder assembly RH.



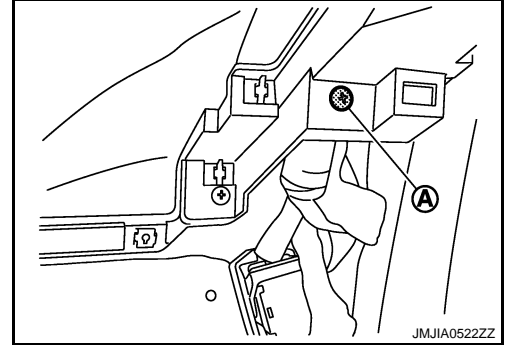
INSTRUMENT PANEL ASSEMBLY

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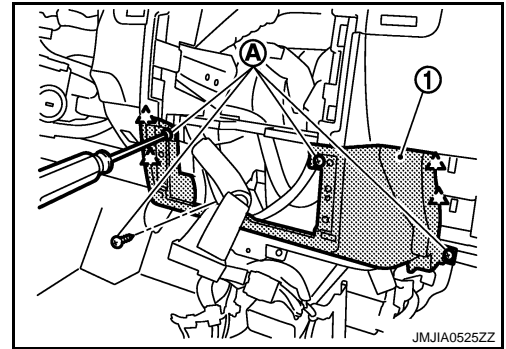
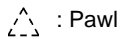
40. Remove glove box assembly.
- Open the glove box.
 - Remove glove box mounting screws (A).
 - Pull up glove box assembly (1).



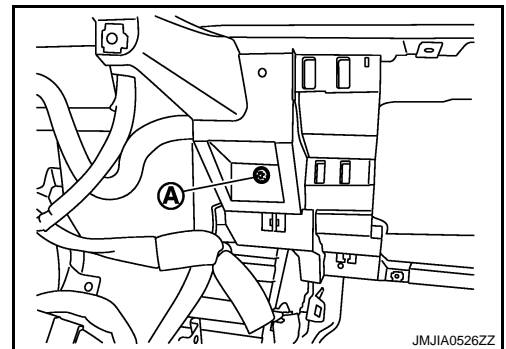
41. Remove screw (A) located back the glove box assembly.



42. Remove instrument center lower panel assembly.
- Remove instrument center lower panel (1) mounting screws (A).
 - Pull instrument center lower panel (1), disengage pawls from instrument panel.



43. Remove screw (A) located back the instrument center lower cover.



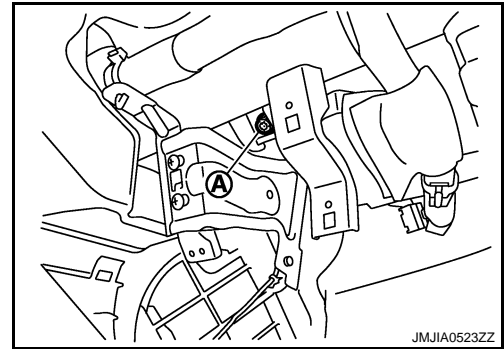
44. Disconnect passenger air bag module connector. Refer to [SR-9, "Removal and Installation"](#).

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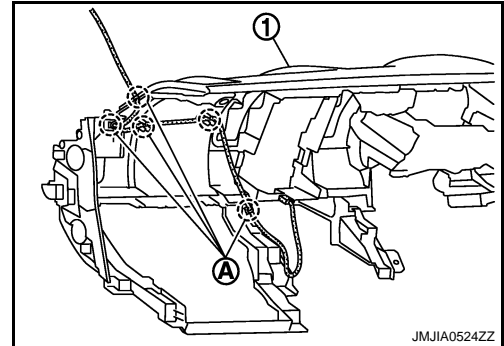
INSTRUMENT PANEL ASSEMBLY

< ON-VEHICLE REPAIR >

45. Remove passenger air bag module fixing bolt (A).
Refer to [SR-9, "Exploded View"](#).



46. Release antenna feeder clamp (A) from instrument panel (1).



47. Remove instrument panel assembly.

CAUTION:

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

48. Remove the following parts after removing instrument panel assembly.
- Passenger air bag module. Refer to [SR-9, "Exploded View"](#).
 - Front defroster nozzle and grilles. Refer to [VTL-42, "SIDE DEFROSTER NOZZLES : Exploded View"](#).
 - Center ventilator grilles. Refer to [VTL-38, "CENTER VENTILATOR GRILLES : Exploded View"](#).
 - Ventilator duct. Refer to [VTL-40, "VENTILATOR DUCTS : Exploded View"](#).
 - Side ventilator nozzles and grilles. Refer to [VTL-39, "SIDE VENTILATOR GRILLES : Exploded View"](#).
 - Side ventilator ducts. Refer to [VTL-40, "VENTILATOR DUCTS : Exploded View"](#).

INSTALLATION

Install in the reverse order of removal.

CENTER CONSOLE ASSEMBLY

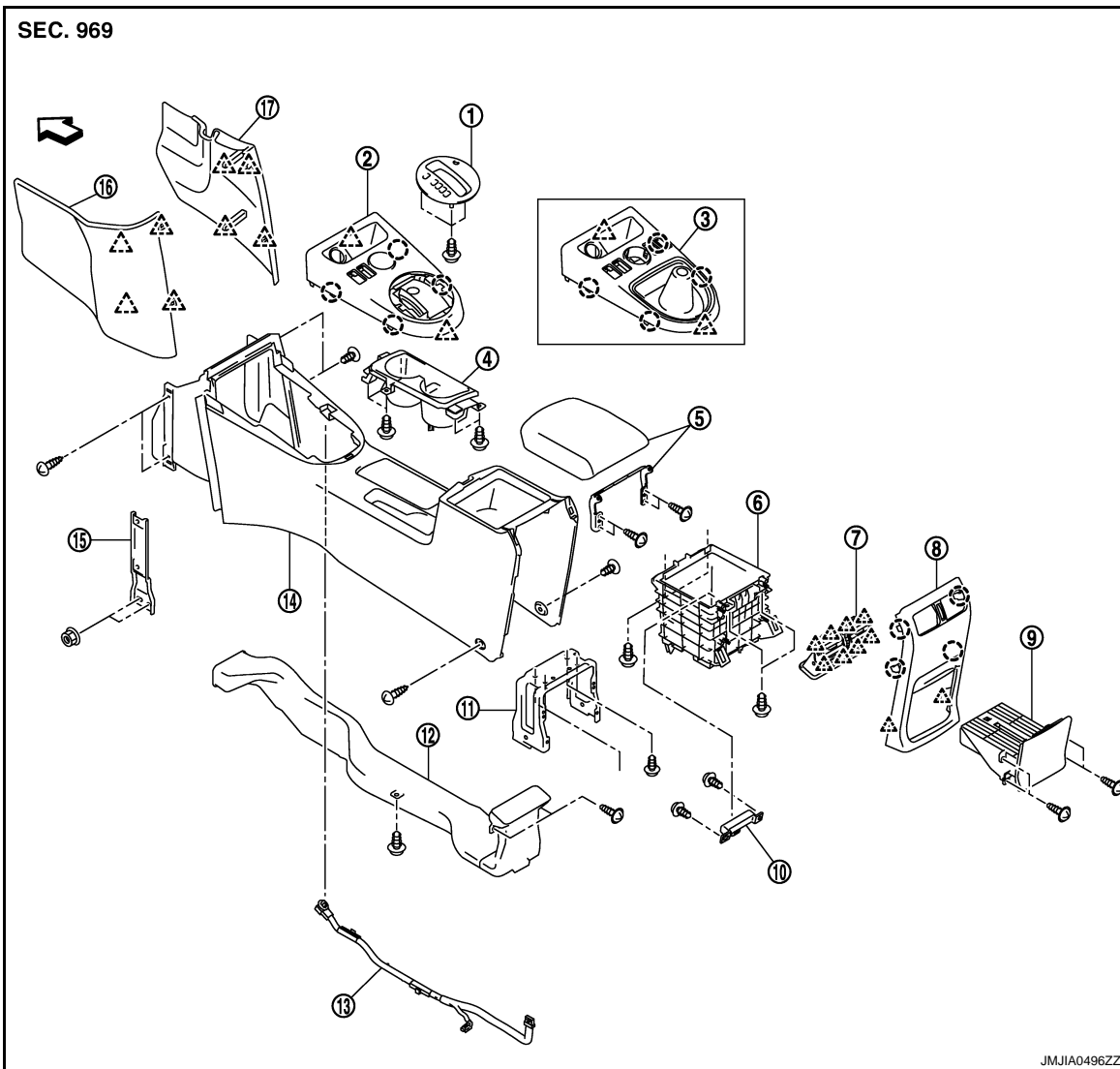
< ON-VEHICLE REPAIR >

CENTER CONSOLE ASSEMBLY

Exploded View

INFOID:000000001160450

CENTER CONSOLE



- | | | |
|---------------------------------------|--|--|
| 1. Indicator assembly (AT/CVT models) | 2. Console finisher assembly (AT/CVT models) | 3. Console finisher assembly (MT models) |
| 4. Cup holder assembly | 5. Console lid assembly | 6. Console box assembly |
| 7. Rear ventilator grille | 8. Console rear finisher | 9. Rear cup holder assembly |
| 10. Inside key antenna | 11. Console rear bracket | 12. Rear ventilator duct |
| 13. Console sub harness | 14. Console body | 15. Console bracket |
| 16. Instrument lower cover (LH) | 17. Instrument lower cover (RH) | |

○ : Clip

△ : Pawl

□ : Metal clip

Removal and Installation

INFOID:000000001451987

REMOVAL

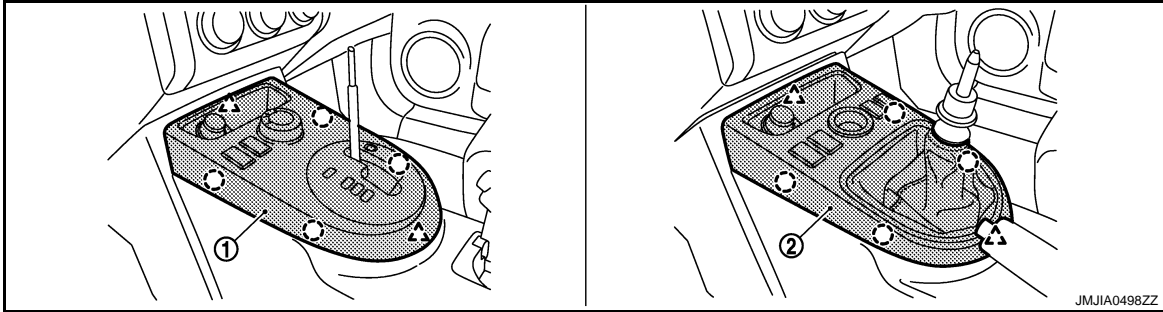
- Put selector lever in drive position. (AT and CVT Models only)

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CENTER CONSOLE ASSEMBLY

< ON-VEHICLE REPAIR >

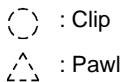
2. Remove selector lever knob. (AT Models only) Refer to [TM-341, "Removal and Installation"](#).
3. Remove selector lever knob. (CVT Models only) Refer to [TM-515, "SPORT MODE : Removal and Installation"](#).
4. Remove shift lever knob. (MT Models only) Refer to [TM-21, "Removal and Installation"](#).
5. Remove console finisher.



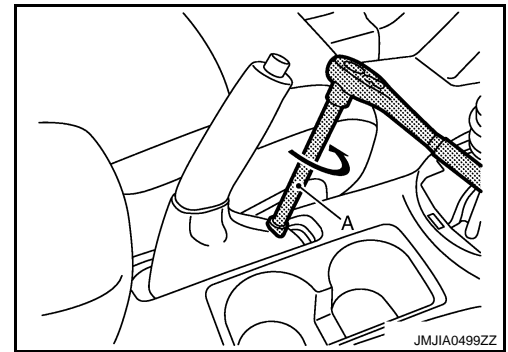
Console finisher (AT/CVT Models)

Console finisher (MT Models)

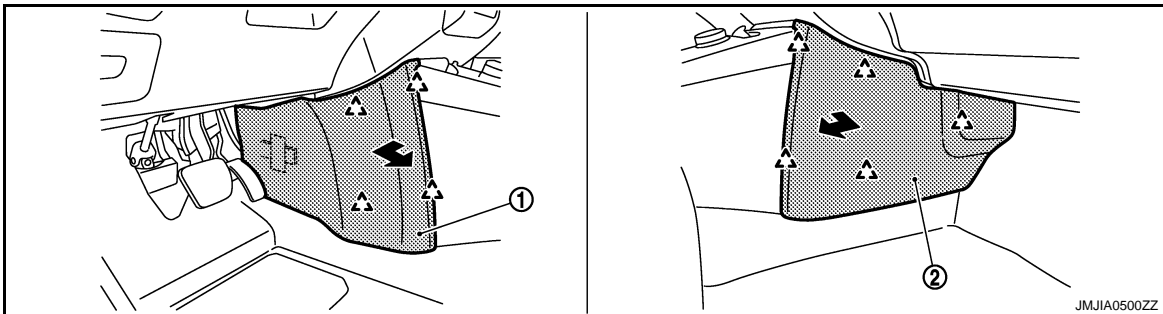
- Remove clips from rear of console finisher, and then remove pawl of front. Pull front console finisher upward to disengage from center console.
- Disconnect harness connectors.



6. Insert a deep-well socket wrench (A) to rotate adjusting nut to loosen cable sufficiently.



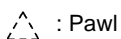
7. Remove instrument lower covers LH / RH.



Instrument lower cover LH

Instrument lower cover RH

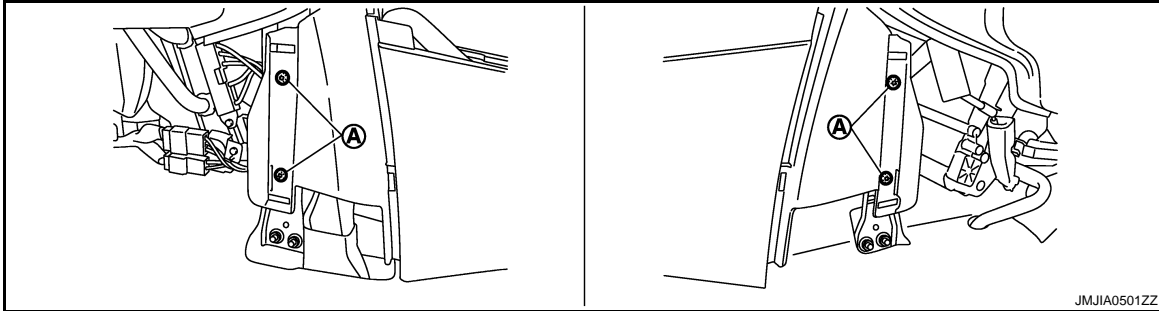
- Pull from the rear of instrument lower cover to release rear pawls.
- Pull backward to release instrument lower cover from instrument panel.



CENTER CONSOLE ASSEMBLY

< ON-VEHICLE REPAIR >

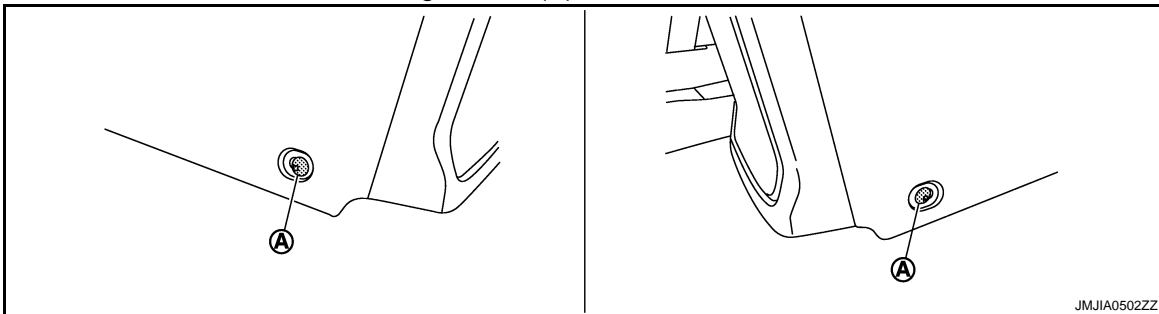
8. Remove center console front mounting screws (A) LH/RH.



Center console mounting screws LH

Center console mounting screws RH

9. Remove center console rear mounting screws (A) LH/RH.



Center console mounting screws LH

Center console mounting screws RH

10. Disconnect console sub harness connectors, and then remove center console assembly.

INSTALLATION


Install in the reverse order of removal.

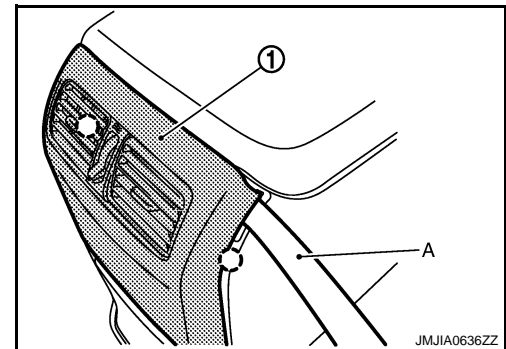
Disassembly and Assembly

INFOID:000000001160452

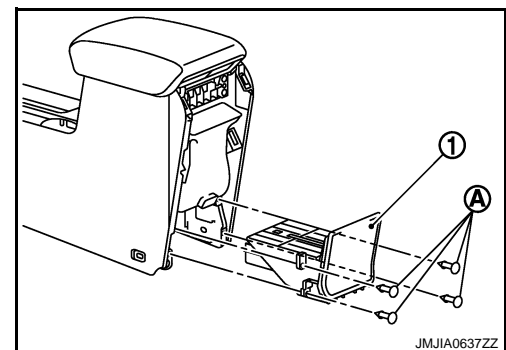
Disassembly

1. Remove console rear finisher assembly.
 - Console rear finisher assembly fixing clips using a remover tool (A).
 - Pull back console rear finisher assembly (1).

 : Clip



2. Remove rear cup holder assembly.
 - Remove rear cup holder assembly fixing screws (A).
 - Pull back rear cup holder assembly (1).



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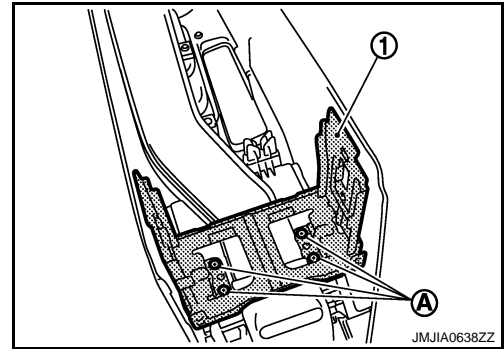
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CENTER CONSOLE ASSEMBLY

< ON-VEHICLE REPAIR >

3. Remove console rear bracket.
 - Remove console rear bracket fixing screws (A).
 - Pull up console rear bracket (1).



4. Remove rear ventilator duct.
 - Remove rear ventilator duct fixing screws.
 - Pull down rear ventilator duct.
5. Remove console lid assembly.
 - Remove console lid assembly fixing screws.
 - Pull up console lid assembly.
6. Remove console box assembly.
 - Remove console box assembly fixing screws.
 - Pull up console box assembly.
7. Remove cup holder assembly.
 - Remove cup holder assembly fixing screws.
 - Pull down cup holder assembly.

Assembly

Assemble in the reverse order of disassembly.