

SECTION **IP**

INSTRUMENT PANEL

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SQUEAK AND RATTLE TROUBLE DIAGNOSES

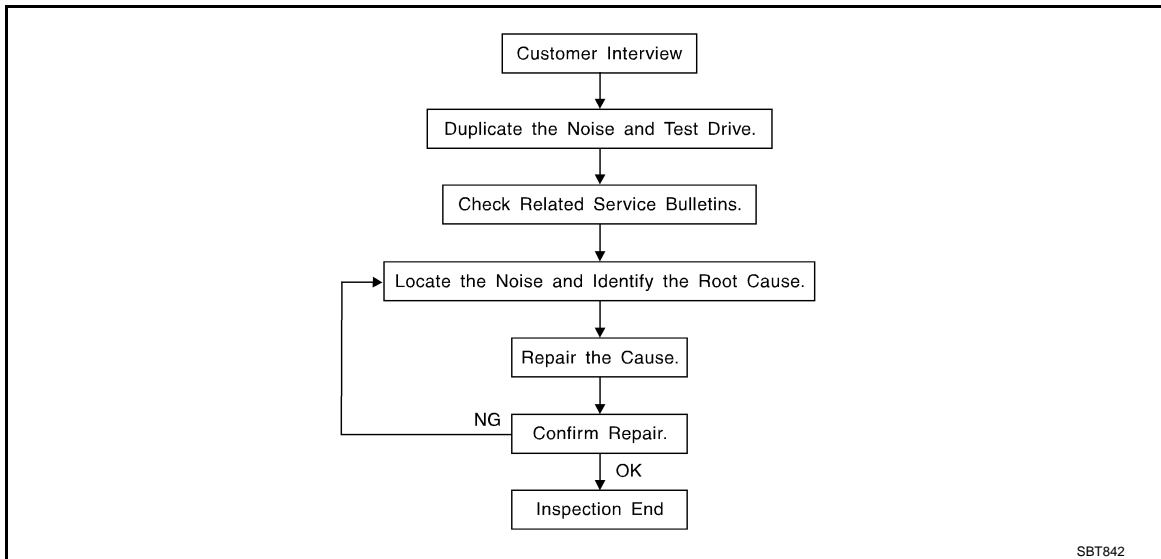
< SYMPTOM DIAGNOSIS >

SYMPTOM DIAGNOSIS

SQUEAK AND RATTLE TROUBLE DIAGNOSES

Work Flow

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CUSTOMER INTERVIEW

Interview the customer if possible, to determine the conditions that exist when the noise occurs. Use the Diagnostic Worksheet during the interview to document the facts and conditions when the noise occurs and any of the customer's comments; refer to [IP-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 a technician may judge as acceptable may be very irritating to the customer.
- Weather conditions, especially humidity and temperature, may have a great effect on noise level.

DUPLICATE THE NOISE AND TEST DRIVE

SQUEAK AND RATTLE TROUBLE DIAGNOSES

< SYMPTOM DIAGNOSIS >

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

If the noise can be duplicated easily during the test drive, to help identify the source of the noise, try to duplicate the noise with the vehicle stopped by doing one or all of the following:

- 1) Close a door.
 - 2) Tap or push/pull around the area where the noise appears to be coming from.
 - 3) Rev the engine.
 - 4) Use a floor jack to recreate vehicle "twist".
 - 5) At idle, apply engine load (electrical load, half-clutch on M/T model, drive position on A/T model).
 - 6) Raise the vehicle on a hoist and hit a tire with a rubber hammer.
- Drive the vehicle and attempt to duplicate the conditions the customer states exist when the noise occurs.
 - If it is difficult to duplicate the noise, drive the vehicle slowly on an undulating or rough road to stress the vehicle body.

LOCATE THE NOISE AND IDENTIFY THE ROOT CAUSE

1. Narrow down the noise to a general area. To help pinpoint the source of the noise, use a listening tool (Engine Ear or mechanics stethoscope).
2. Narrow down the noise to a more specific area and identify the cause of the noise by:
 - Removing the components in the area that is are suspected to be the cause of the noise.
Do not use too much force when removing clips and fasteners, otherwise clips and fastener can be broken or lost during the repair, resulting in the creation of new noise.
 - Tapping or pushing/pulling the component that is are suspected to be the cause of the noise.
Do not tap or push/pull the component with excessive force, otherwise the noise will be eliminated only temporarily.
 - Feeling for a vibration by hand by touching the component(s) that is are suspected to be the cause of the noise.
 - Placing a piece of paper between components that is are suspected to be the cause of the noise.
 - Looking for loose components and contact marks.
Refer to [IP-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. These insulators are available through the authorized Nissan Parts Department.

CAUTION:

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

NOTE:

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

CONFIRM THE REPAIR

SQUEAK AND RATTLE TROUBLE DIAGNOSES

< SYMPTOM DIAGNOSIS >

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

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

INSTRUMENT PANEL

Most incidents are caused by contact and movement between:

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

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

CAUTION:

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

CENTER CONSOLE

Components to pay attention to include:

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

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

DOORS

Pay attention to the following:

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

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

TRUNK

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

In addition look for the following:

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

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

SUNROOF/HEADLINING

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

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

SQUEAK AND RATTLE TROUBLE DIAGNOSES

< SYMPTOM DIAGNOSIS >

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 occurs. 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:

F

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

G

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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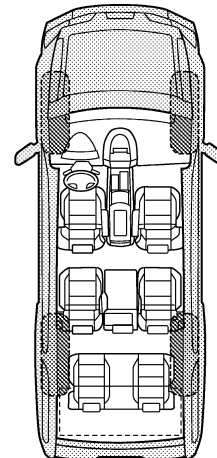
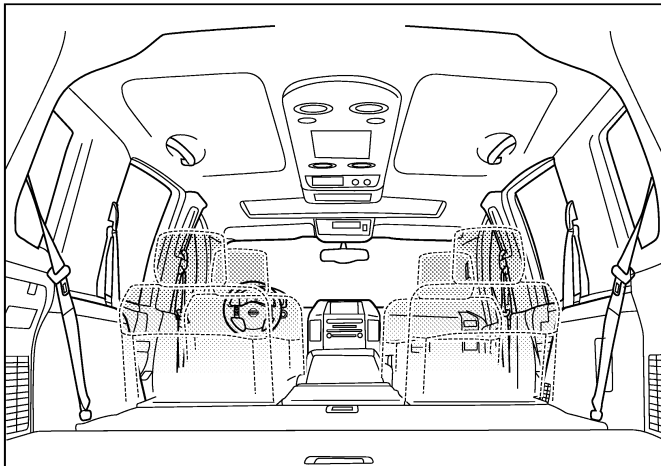
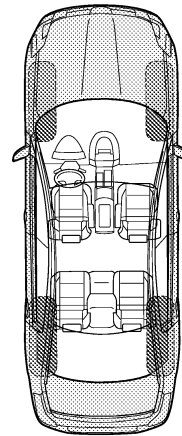
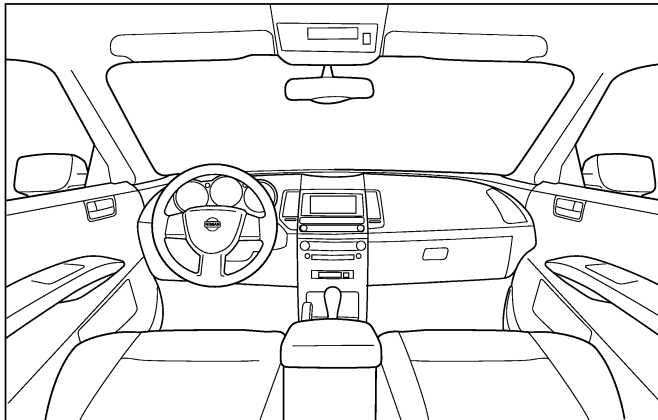
SQUEAK & RATTLE DIAGNOSTIC WORKSHEET

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:000000003819818

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".
- Never use electrical test equipment on any circuit related to the SRS unless instructed to in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harnesses or harness connectors.

Precaution Necessary for Steering Wheel Rotation after Battery Disconnect

INFOID:000000003819825

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.

This vehicle is equipped with a push-button ignition switch and a 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 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

INFOID:000000003751401

- 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 a shop cloth.
- When removing parts with a screwdriver or other tool, cover the tool surface by vinyl tape to protect parts.

PRECAUTIONS

< PRECAUTION >

- 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 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%), 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.

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

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PREPARATION

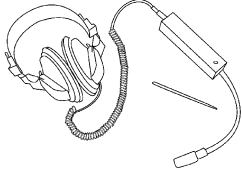
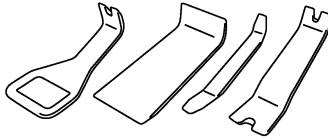
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PREPARATION

PREPARATION

Commercial Service Tools

INFOID:000000003751417

Tool name		Description
Engine ear	 SIIA0995E	Locates the noise
Remover tool	 PIIB7923J	Removes clips, pawls and metal clips

INSTRUMENT PANEL ASSEMBLY

< ON-VEHICLE REPAIR >

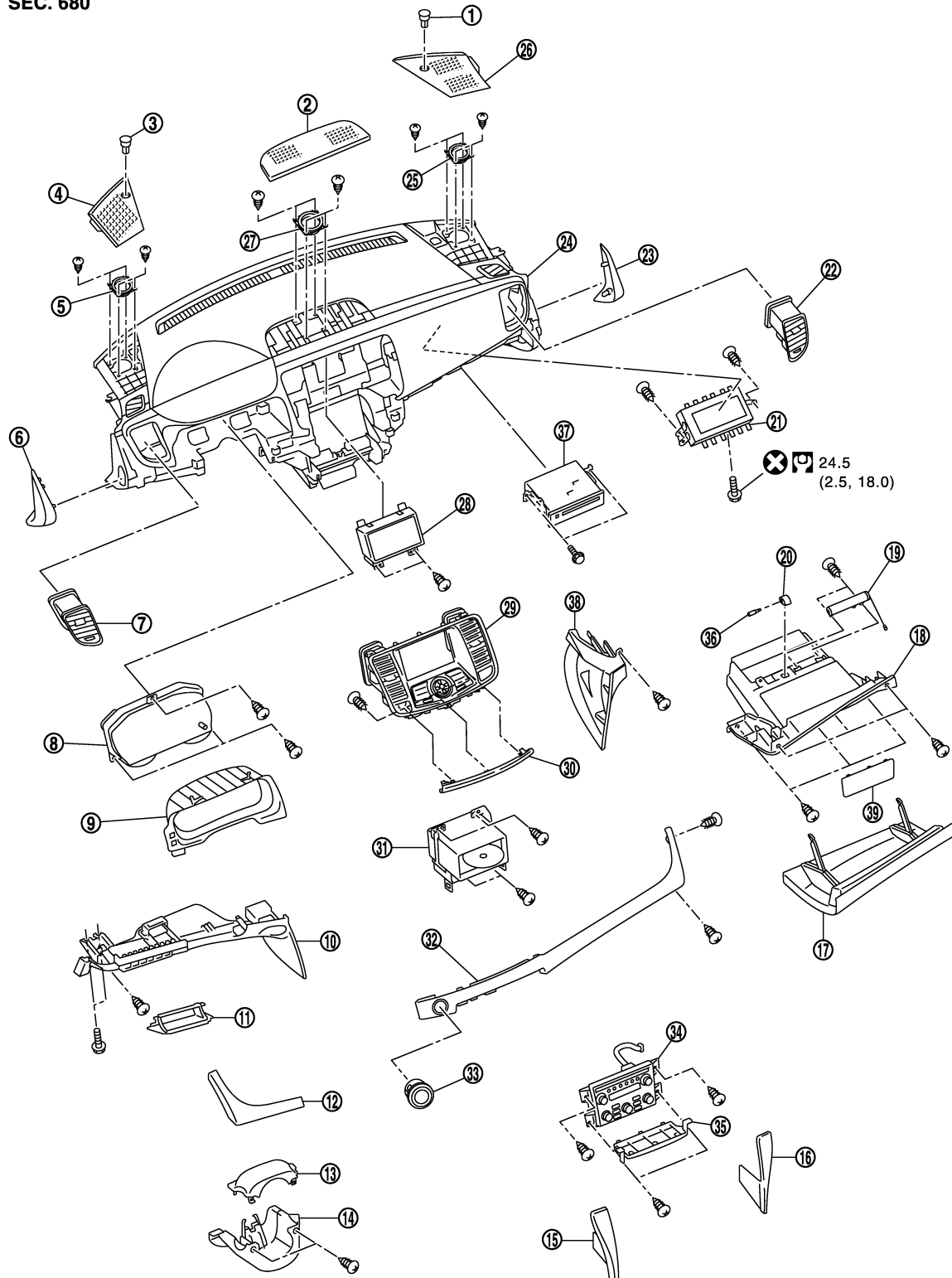
ON-VEHICLE REPAIR

INSTRUMENT PANEL ASSEMBLY

Exploded View

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INSTRUMENT PANEL ASSEMBLY

< ON-VEHICLE REPAIR >

- | | | |
|---------------------------------|---------------------------------|------------------------------------|
| 1. Optical sensor | 2. Center speaker grille | 3. Sunload sensor |
| 4. Speaker grille LH | 5. Front squawker LH | 6. Instrument side finisher LH |
| 7. Side ventilator grille LH | 8. Combination meter | 9. Cluster lid A |
| 10. Instrument lower panel LH | 11. Fuse block lid | 12. Instrument finisher A |
| 13. Steering column upper cover | 14. Steering column lower cover | 15. Instrument finisher D |
| 16. Instrument finisher E | 17. Glove box lid | 18. Glove box assembly |
| 19. Glove box damper | 20. Illumination lamp | 21. Front passenger air bag module |
| 22. Side ventilator grille RH | 23. Instrument side finisher RH | 24. Instrument panel assembly |
| 25. Front squawker RH | 26. Speaker grille RH | 27. Center speaker |
| 28. Display unit | 29. Cluster lid D | 30. Cluster lid upper finisher |
| 31. AV C/U (audio unit) | 32. Instrument finisher B | 33. Push button ignition switch |
| 34. Cluster lid C | 35. Cluster lid lower finisher | 36. Socket and bulb |
| 37. DVD player | 38. Instrument side panel RH | 39. Glove box mask |

Refer to [GI-4. "Components"](#) for symbols in the figure.

Removal and Installation

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WORK STEP

When removing instrument panel assembly, combination meter, instrument finisher A, instrument finisher B, AV C/U (audio unit) or center console assembly take steps in the order shown by the number below.

PARTS	INSTRUMENT PANEL ASSEMBLY	COMBINATION METER	INSTRUMENT FINISHER A	INSTRUMENT FINISHER B	AV C/U (audio unit)	CENTER CONSOLE ASSEMBLY
Instrument finisher D	[1]	[1]			[1]	[1]
Instrument finisher E	[2]				[2]	[2]
Front body side welt LH	[3]	[2]	[1]	[1]		[3]
Front pillar garnish LH	[4]					
Speaker grille LH	[5]					
Front squawker LH	[6]					
Instrument side finisher LH	[7]	[3]	[2]	[2]		[4]
Fuse block lid	[8]	[4]	[3]	[3]		[5]
Instrument lower panel LH	[9]	[5]	[4]	[4]		[6]
Instrument lower cover LH	[10]					[7]
Front body side welt RH	[11]			[5]		[8]
Front pillar garnish RH	[12]					
Speaker grille RH	[13]					
Front squawker RH	[14]					
Instrument side finisher RH	[15]			[6]		[9]
Glove box assembly	[16]			[7]		[10]
DVD player	[17]					
Instrument side panel RH	[18]			[8]		[11]
Instrument lower cover RH	[19]					[12]
Selector lever knob	[20]					[13]
Console switch panel	[21]					[14]
Console finisher assembly	[22]					[15]
Position indicator plate	[23]					[16]
Console rear finisher	[24]					[17]
Center console assembly	[25]					[18]

INSTRUMENT PANEL ASSEMBLY

< ON-VEHICLE REPAIR >


Steering wheel	[26]					
Steering column cover	[27]	[6]		[9]		
Combination switch	[28]	[7]		[10]		
Spiral cable	[29]					
Instrument finisher A	[30]	[8]	[5]	[11]		
Cluster lid A	[31]	[9]		[12]		
Combination meter	[32]	[10]				
Cluster lid D	[33]					
Push button ignition switch	[34]			[13]		
Cluster lid lower finisher	[35]			[14]		
Cluster lid C	[36]			[15]		
Instrument finisher B				[16]		
AV C/U (audio unit)	[37]				[3]	
Display unit	[38]					
Center speaker grille	[39]					
Center speaker	[40]					
Instrument panel assembly	[41]					

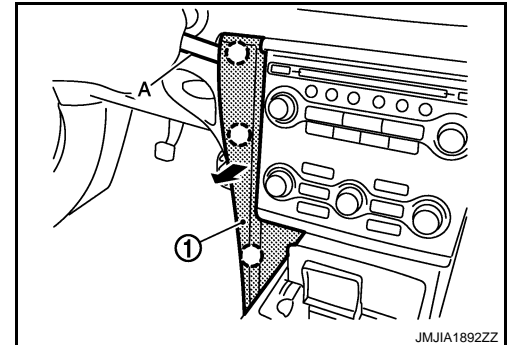
[]: Number indicates step in removal procedures.

REMOVAL

1. Remove instrument finisher D.


- Remove instrument finisher D (1) fixing clips with remover tool (A).
- Pull back instrument finisher D, and then remove instrument finisher D.

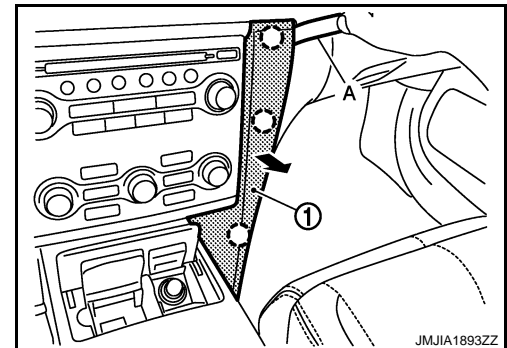
 : Clip



2. Remove instrument finisher E.

- Remove instrument finisher E (1) fixing clips with remover tool (A).
- Pull back instrument finisher E, and then remove instrument finisher E.

 : Clip

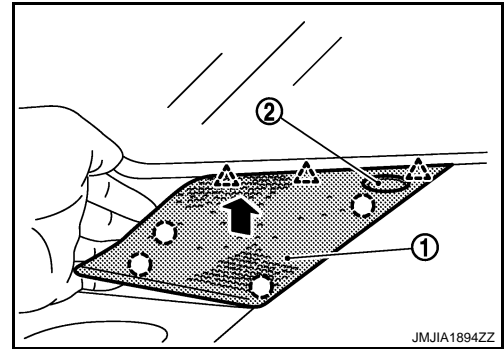
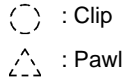


- Remove front body side welt LH. Refer to [INT-39, "Removal and Installation"](#).
- Remove front pillar garnish LH. Refer to [INT-39, "Removal and Installation"](#).

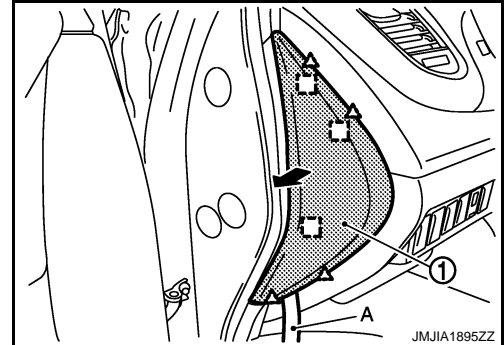
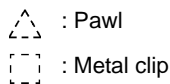
INSTRUMENT PANEL ASSEMBLY

< ON-VEHICLE REPAIR >

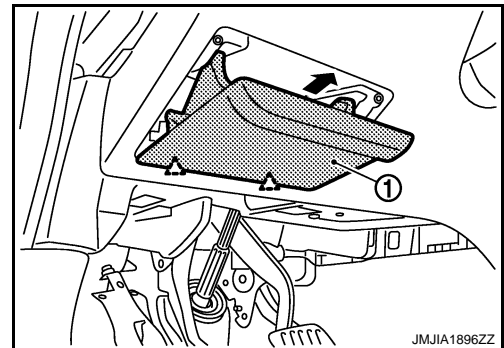
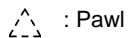
5. Remove speaker grille LH.
- Pull up and back speaker grille LH (1).
 - Disconnect sunload sensor (2) harness connector.



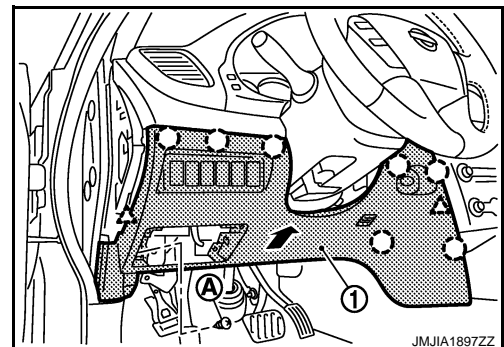
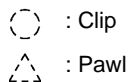
6. Remove front squawker LH. Refer to [AV-41, "Removal and Installation"](#).
7. Remove instrument side finisher LH.
- Insert a remover tool (A) into lower space.
 - Pull the instrument side finisher LH (1) crosswise.



8. Remove hood opener lever fixing bolts. Refer to [DLK-220, "Removal and Installation"](#).
9. Remove fuse block lid.
- Open the fuse block lid (1).
 - Pull fuse block lid, backward to disengage from instrument lower panel LH.



10. Remove instrument lower panel LH.
- Remove instrument lower panel LH (1) fixing screw (A).
 - Pull instrument lower panel LH, backward to disengage from instrument panel assembly.
 - Release data link connector (pawl) then remove it from instrument lower panel LH.
 - Disconnect harness connectors and aspirator duct.

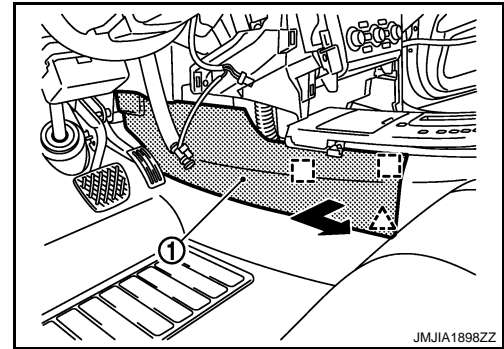
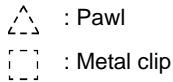


INSTRUMENT PANEL ASSEMBLY

< ON-VEHICLE REPAIR >

11. Remove instrument lower cover LH.

- Disengage instrument lower cover LH (1) fixing pawl and metal clips.
- Pull back instrument lower cover LH.

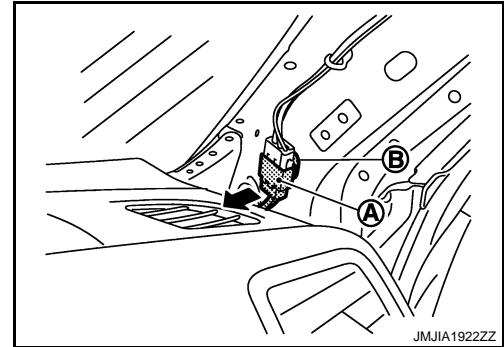


12. Remove front body side welt RH. Refer to [INT-39, "Removal and Installation"](#).

13. Remove front pillar garnish RH. Refer to [INT-39, "Removal and Installation"](#).

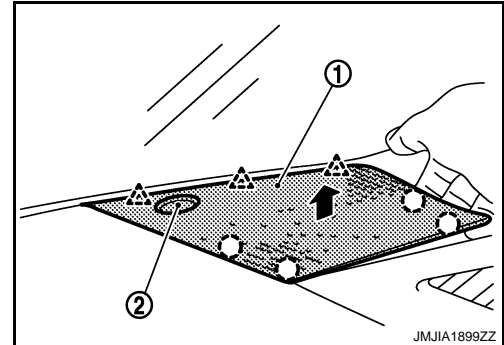
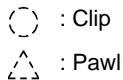
14. Disconnect antenna connector (A).

15. Remove harness clip (B).



16. Remove speaker grille RH.

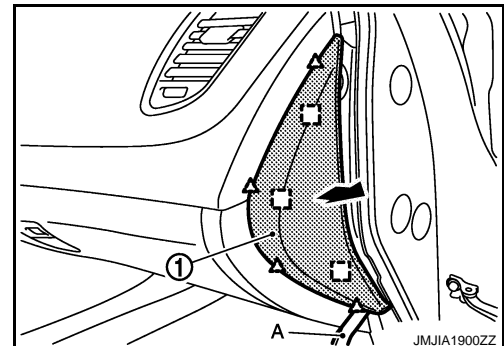
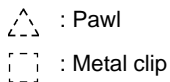
- Pull up and back speaker grille RH (1).
- Disconnect optical sensor (2) harness connector.



17. Remove front squawker RH. Refer to [AV-41, "Removal and Installation"](#).

18. Remove instrument side finisher RH.

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




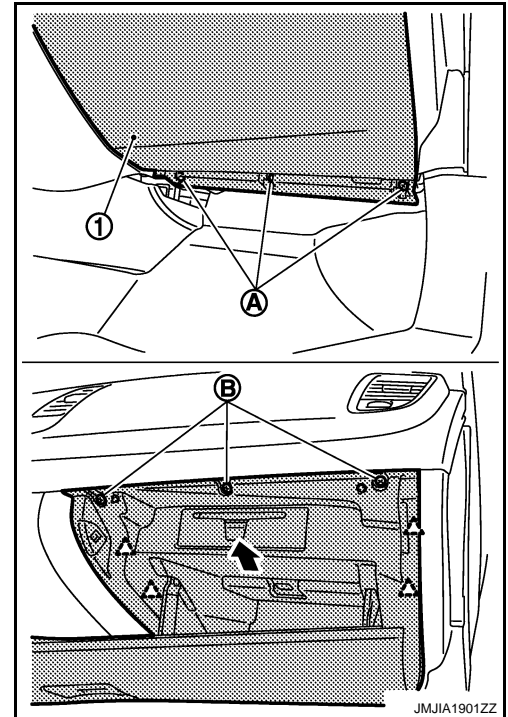
INSTRUMENT PANEL ASSEMBLY

< ON-VEHICLE REPAIR >

19. Remove glove box assembly.

- Remove glove box assembly (1) fixing screws (A).
- Open the glove box lid.
- Remove glove box assembly fixing screws (B).
- Pull back glove box assembly.
- Disconnect harness connector.


 : Pawl




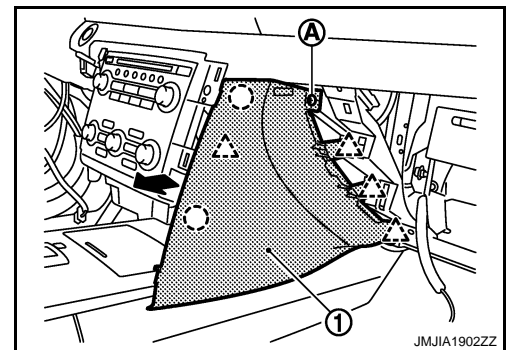
20. Remove DVD player. Refer to [AV-650, "Removal and Installation"](#).

21. Remove instrument side panel RH.

- Remove instrument side panel RH (1) fixing screw (A).
- Pull toward the direction the arrow is pointing.


 : Clip


 : Pawl



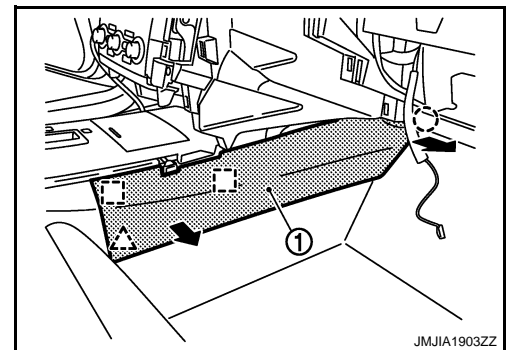
22. Remove instrument lower cover RH.

- Disengage instrument lower cover RH (1) fixing clip, pawl and metal clips.
- Pull the instrument lower cover RH crosswise.

 : Clip

 : Pawl

 : Metal clip




23. Remove selector lever knob. Refer to [TM-155, "Removal and Installation"](#).

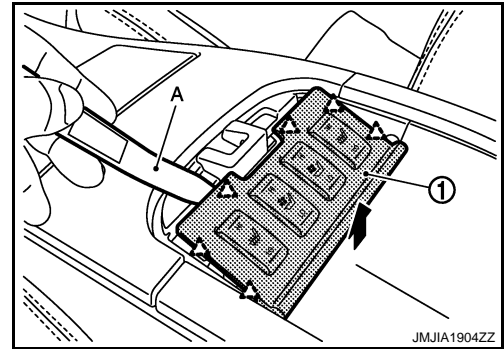
INSTRUMENT PANEL ASSEMBLY

< ON-VEHICLE REPAIR >

24. Remove console switch panel.



- Disengage pawls of console switch panel (1) with remover tool (A).
- Pull up console switch panel.

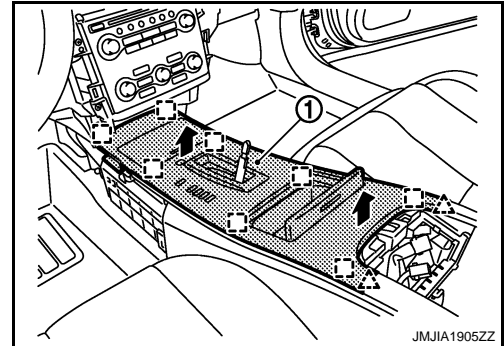
 : Pawl



25. Remove console finisher assembly.

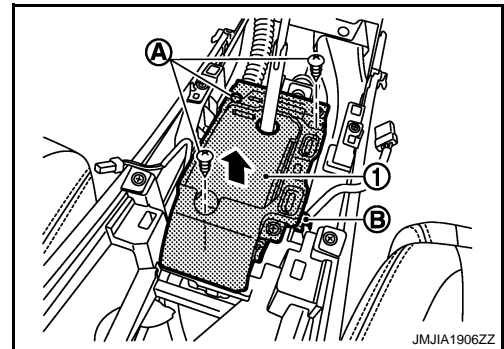
- Put selector lever in the [N] position.
- Remove console finisher assembly (1) fixing metal clips and pawls sequentially from the front side with remover tool.
- Pull console finisher assembly, upward to disengage from center console.
- Disconnect harness connectors.

 : Pawl
 : Metal clip





26. Remove control device upper case.

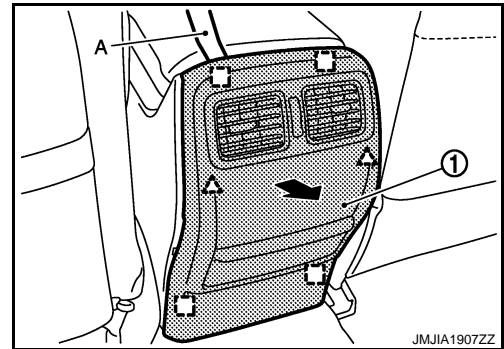
- Put selector lever in the [P] position.
- Remove control device upper case (1) mounting screws (A).
- Pull control device upper case, upward to disengage from control device assembly.
- Disconnect harness clip (B).



27. Remove console rear finisher.

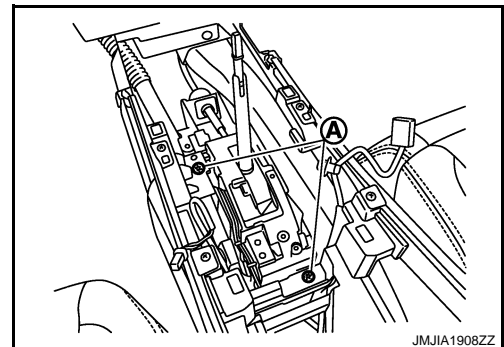
- Pull back console rear finisher (1) by using a remover tool (A), then disengage pawls and metal clips.
- Disconnect inside key antenna connector.

 : Pawl
 : Metal clip



28. Remove center console assembly.

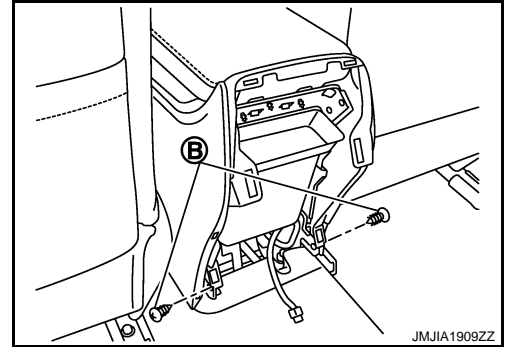
- Remove center console fixing screws (A).



INSTRUMENT PANEL ASSEMBLY

< ON-VEHICLE REPAIR >

- Put front seat to the front most position.
- Remove center console fixing screws (B).




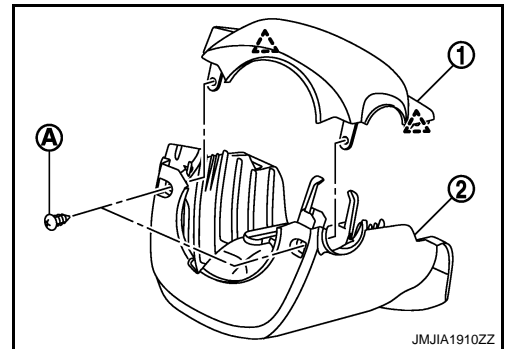
- Put front seat to the rear most position.
- Lift up center console assembly back side.
- Disconnect harness connectors.

29. Remove steering wheel assembly. Refer to [ST-12, "Removal and Installation"](#).

30. Remove steering column covers.

- Remove steering column cover fixing screws (A).
- Pull up steering column upper cover (1), and then remove steering column upper cover.
- Pull down steering column lower cover (2), and then remove steering column lower cover.

 : Pawl



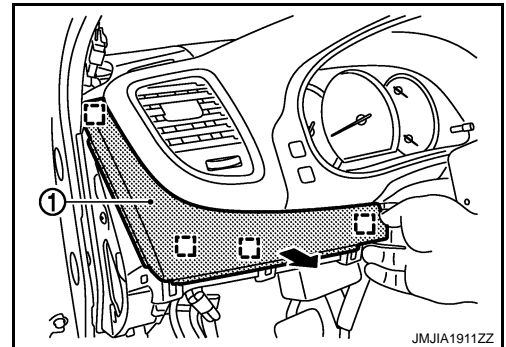
31. Remove combination switch. Refer to [BCS-79, "Removal and Installation"](#).

32. Remove spiral cable. Refer to [SR-9, "Removal and Installation"](#).

33. Remove instrument finisher A.

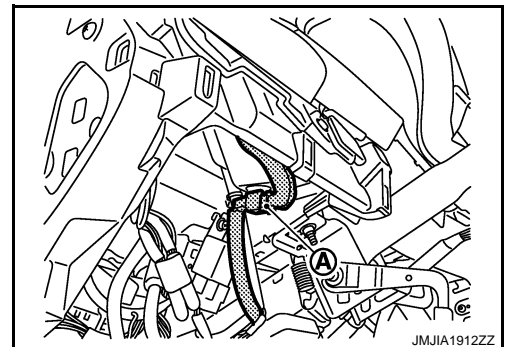
Pull back instrument finisher A (1), and disengage metal clips.

 : Metal clip



34. Remove cluster lid A.


- Disconnect meter control switch harness connector (A).

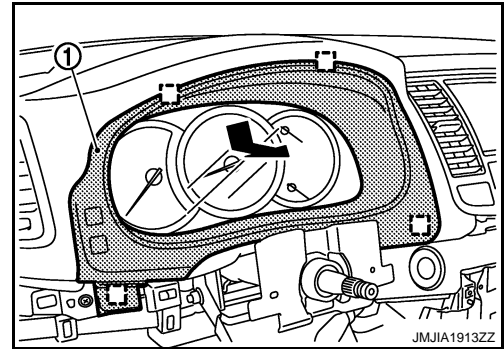


INSTRUMENT PANEL ASSEMBLY

< ON-VEHICLE REPAIR >

- Pull back cluster lid A (1), and disengage metal clips.


 : Metal clip




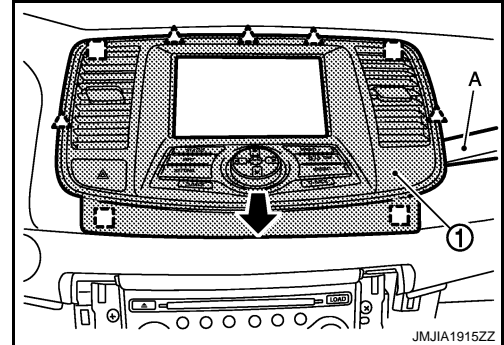
35. Remove combination meter. Refer to [MWI-126, "Removal and Installation"](#).

36. Remove cluster lid D.

- Remove cluster lid D (1) fixing pawls and metal clip with remover tool (A).
- Pull back cluster lid D.
- Disconnect harness connectors.

 : Pawl


 : Metal clip

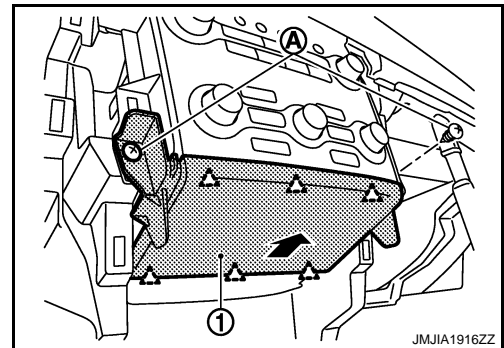


37. Remove push button ignition switch. Refer to [SEC-205, "Removal and Installation"](#).

38. Remove cluster lid lower finisher.

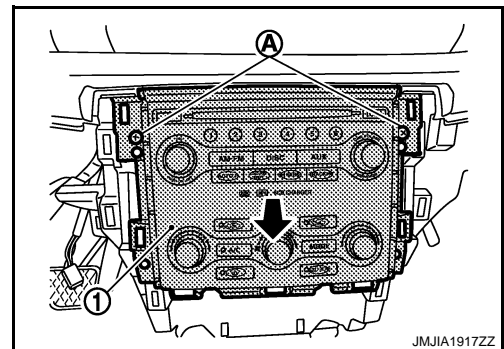
- Remove cluster lid lower finisher (1) fixing screws (A).
- Pull back cluster lid lower finisher.

 : Pawl



39. Remove cluster lid C.

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

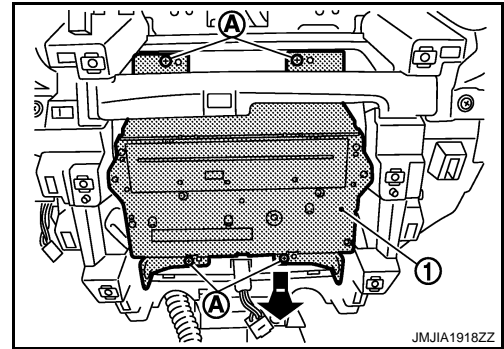


INSTRUMENT PANEL ASSEMBLY

< ON-VEHICLE REPAIR >

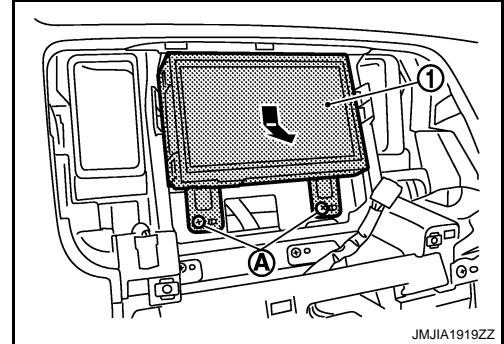
40. Remove AV C/U (or Audio unit).

- AV C/U: Refer to [AV-648. "Removal and Installation"](#).
- Audio unit: Refer to [AV-37. "Removal and Installation"](#).
- Remove AV C/U (or Audio unit) (1) fixing screws (A).
- Pull back AV C/U (or Audio unit).
- Disconnect harness connectors.



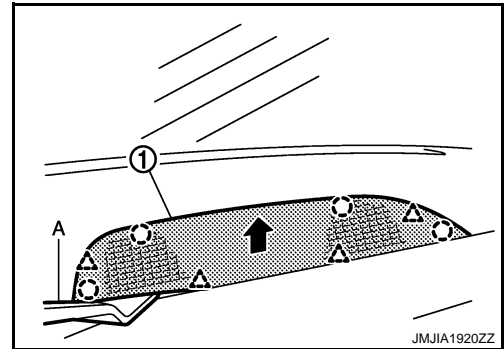
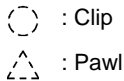
41. Remove display unit.

- Remove display unit (1) fixing screws (A).
- Pull toward the arrow direction.
- Disconnect harness connector.



42. Remove center speaker grille.

- Disengage center speaker grille (1) fixing clips and pawls with remover tool (A).
- Pull up center speaker grille.

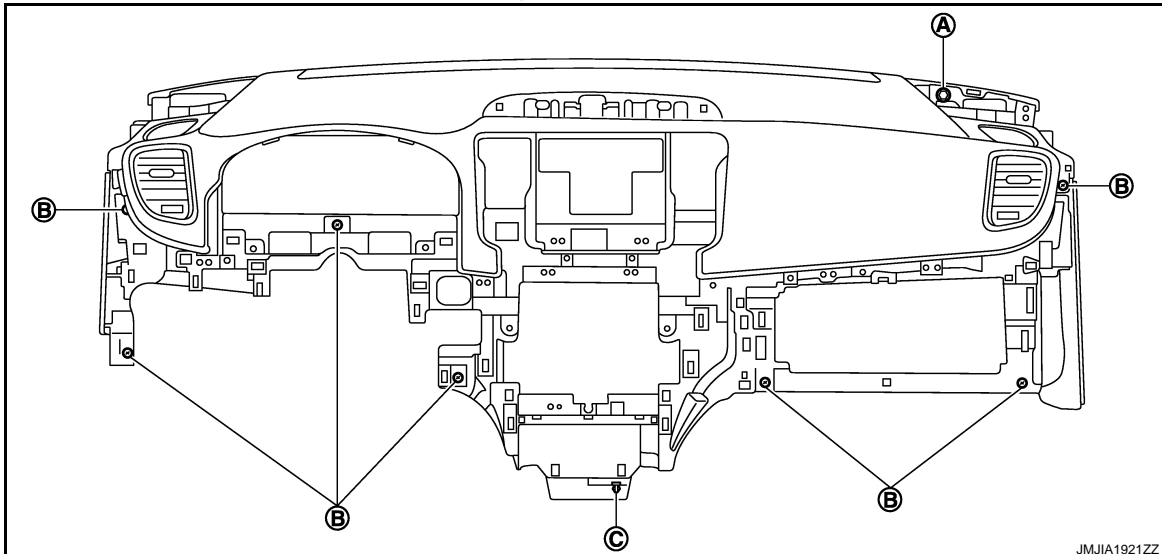


43. Remove center speaker (with BOSE AUDIO). Refer to [AV-384. "Removal and Installation"](#).

44. Disconnect front passenger air bag module connector. Refer to [SR-12. "Exploded View"](#).

45. Remove front passenger air bag module fixing bolt. Refer to [SR-12. "Removal and Installation"](#).

46. Remove instrument panel assembly mounting bolt (A), screws (B) and clips (C).

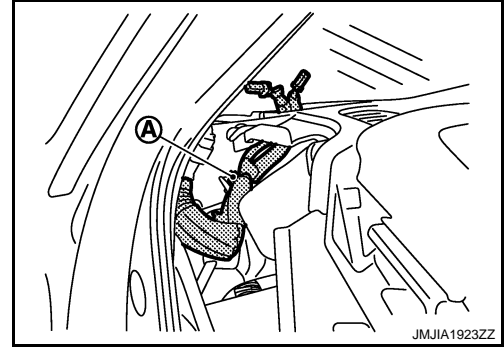


47. Remove instrument panel assembly.

INSTRUMENT PANEL ASSEMBLY

< ON-VEHICLE REPAIR >

- Put selector lever in the [D] position.
- Pull back instrument panel assembly, and then remove front squawker LH harness clip (A).



- Remove instrument panel from passenger door opening portion.

CAUTION:

- **Cover center console upper surface with a shop cloth to prevent it from being damaged.**
- **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.

- Front passenger air bag module. Refer to [SR-12, "Removal and Installation"](#).
- Side ventilator grille LH/RH. Refer to [VTL-46, "SIDE VENTILATOR GRILLE : Removal and Installation"](#).
- Side defroster nozzle LH/RH. Refer to [VTL-47, "SIDE DEFROSTER GRILLE : Removal and Installation"](#).
- Ventilator duct LH/RH. Refer to [VTL-48, "VENTILATOR DUCT : Removal and Installation"](#).
- Defroster nozzle. Refer to [VTL-49, "SIDE DEFROSTER NOZZLE : Removal and Installation"](#).
- Antenna feeder. Refer to [AV-44, "Harness Layout"](#).

INSTALLATION

Install in the reverse order of removal.

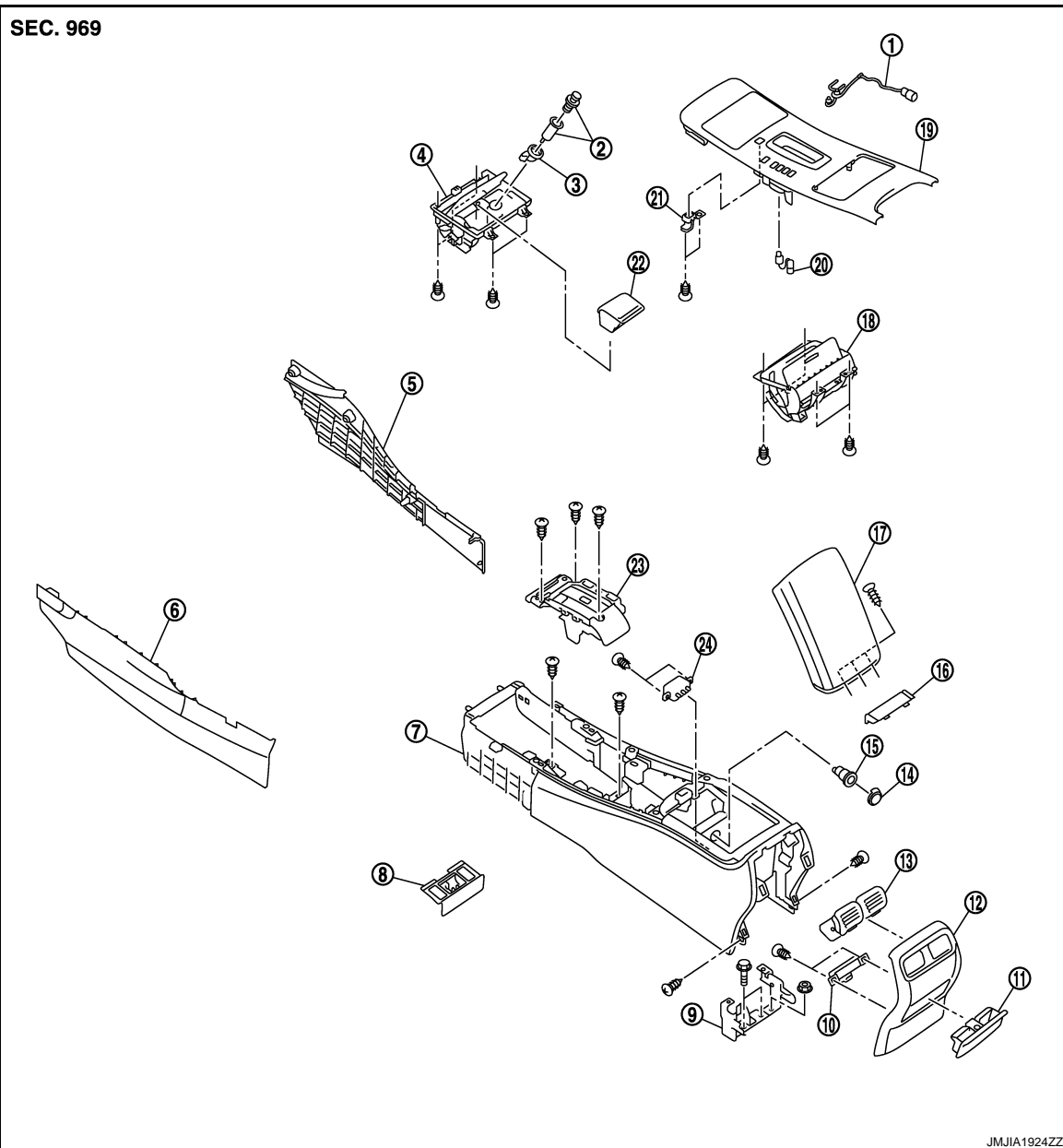
CENTER CONSOLE ASSEMBLY

< ON-VEHICLE REPAIR >

CENTER CONSOLE ASSEMBLY

Exploded View

INFOID:000000003816779



- | | | |
|-------------------------------|-------------------------------|------------------------------|
| 1. Ashtray lamp harness | 2. Cigarette lighter complete | 3. Cigarette lighter ring |
| 4. Console ashtray assembly | 5. Instrument lower cover RH | 6. Instrument lower cover LH |
| 7. Center console assembly | 8. Console switch panel | 9. Console bracket |
| 10. Inside key antenna | 11. Console rear ashtray | 12. Console rear finisher |
| 13. Rear ventilator grille | 14. Power socket cap | 15. Power socket inner case |
| 16. Console mask | 17. Console lid assembly | 18. Cup holder assembly |
| 19. Console finisher assembly | 20. Indicator lamp harness | 21. Shift lock switch |
| 22. Inner ashtray | 23. Control device upper case | 24. Auxiliary input jacks |

Removal and Installation

INFOID:000000003819349

REMOVAL

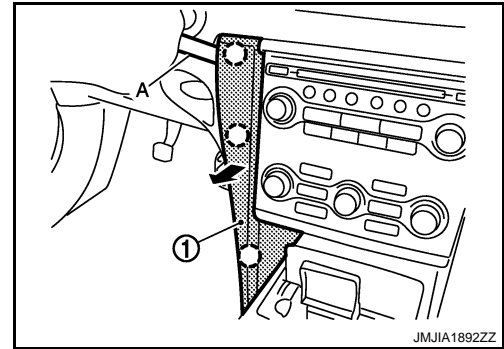
CENTER CONSOLE ASSEMBLY

< ON-VEHICLE REPAIR >

1. Remove instrument finisher D.

- Remove instrument finisher D (1) fixing clips with remover tool (A).
- Pull back instrument finisher D, and then remove instrument finisher D.

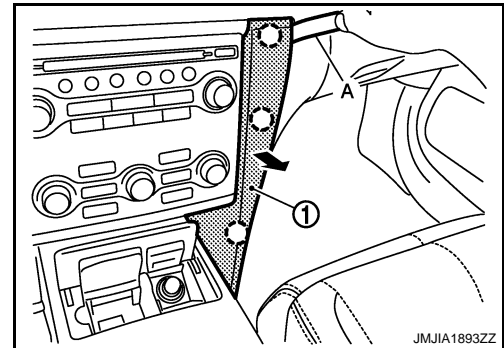
○ : Clip



2. Remove instrument finisher E.

- Remove instrument finisher E (1) fixing clips with remover tool (A).
- Pull back instrument finisher E, and then remove instrument finisher E.

○ : Clip



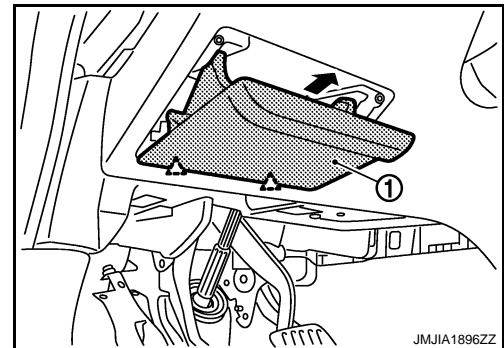
3. Remove front body side welt LH. Refer to [INT-39, "Removal and Installation"](#).

4. Remove hood opener lever fixing bolts. Refer to [DLK-220, "Removal and Installation"](#).

5. Remove fuse block lid.

- Open the fuse block lid (1).
- Pull fuse block lid, backward to disengage from instrument lower panel LH.

△ : Pawl

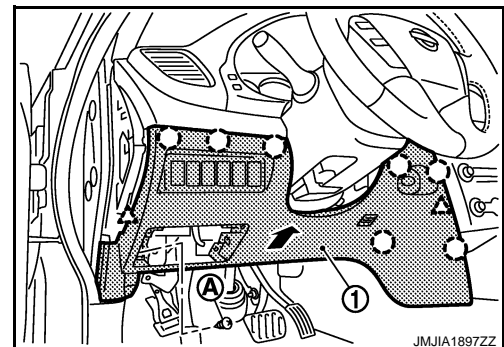


6. Remove instrument lower panel LH.

- Remove instrument lower panel LH (1) fixing screw (A).
- Pull instrument lower panel LH, backward to disengage from instrument panel assembly.
- Release data link connector (pawl) then remove it from instrument lower panel LH.
- Disconnect harness connectors and aspirator duct.

○ : Clip

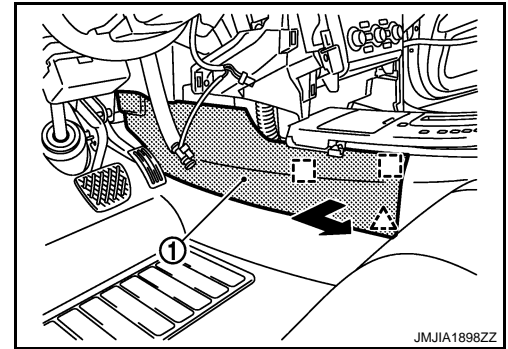
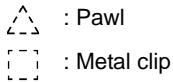
△ : Pawl



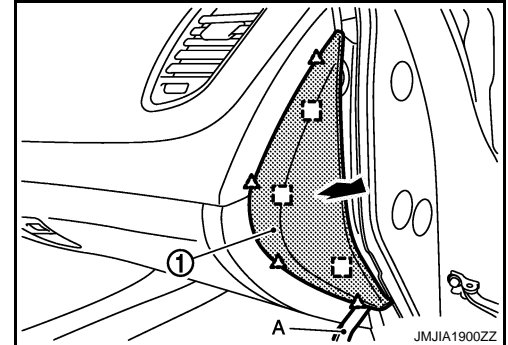
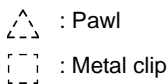
CENTER CONSOLE ASSEMBLY

< ON-VEHICLE REPAIR >

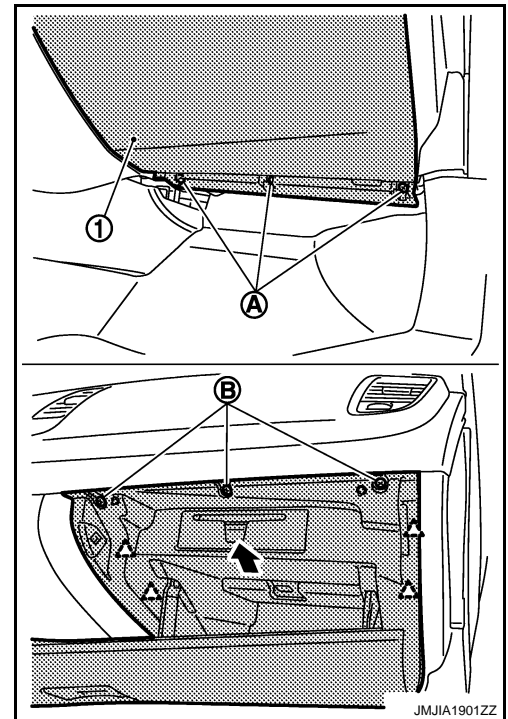
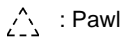
7. Remove instrument lower cover LH.
 - Disengage instrument lower cover LH (1) fixing pawl and metal clips.
 - Pull back instrument lower cover LH.



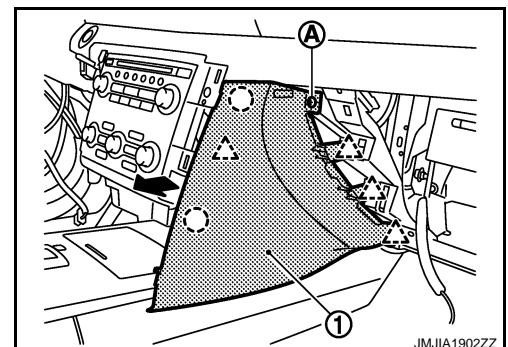
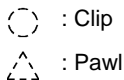
8. Remove front body side welt RH. Refer to [INT-39, "Removal and Installation"](#).
9. Remove instrument side finisher RH.
 - Insert a remover tool (A) into lower space.
 - Pull the instrument side finisher RH (1) crosswise.



10. Remove glove box assembly.
 - Remove glove box assembly (1) fixing screws (A).
 - Open the glove box lid.
 - Remove glove box assembly fixing screws (B).
 - Pull back glove box assembly.
 - Disconnect harness connector.



11. Remove instrument side panel RH.
 - Remove instrument side panel RH (1) fixing screw (A).
 - Pull toward the direction the arrow is pointing.

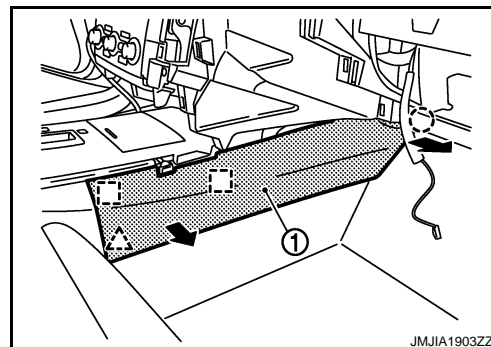
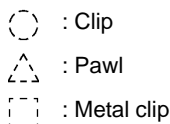


CENTER CONSOLE ASSEMBLY

< ON-VEHICLE REPAIR >

12. Remove instrument lower cover RH.

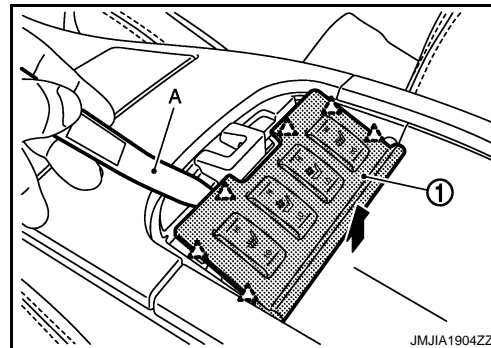
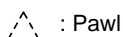
- Disengage instrument lower cover LH (1) fixing clip, pawl and metal clips.
- Pull the instrument lower cover RH crosswise.



13. Remove selector lever knob. Refer to [TM-155, "Removal and Installation"](#).

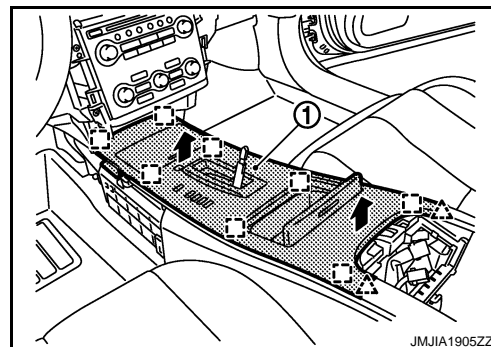
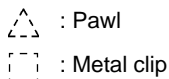
14. Remove console switch panel.

- Disengage pawls of console switch panel (1) with remover tool (A).
- Pull up console switch panel.



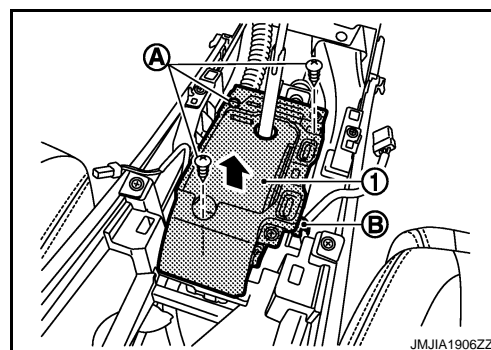
15. Remove console finisher assembly.

- Put selector lever in the [N] position.
- Remove console finisher assembly (1) fixing metal clips and pawls sequentially from the front side with remover tool.
- Pull console finisher assembly, upward to disengage from center console.
- Disconnect harness connectors.



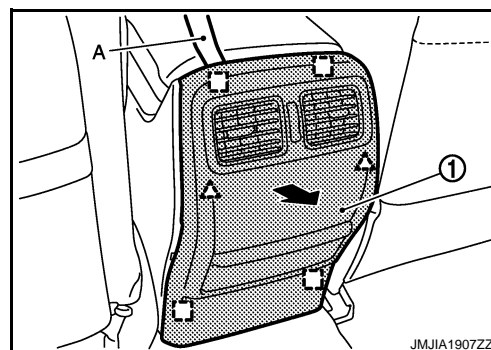
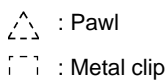
16. Remove control device upper case.

- Put selector lever in the [P] position.
- Remove control device upper case (1) mounting screws (A).
- Pull control device upper case, upward to disengage from control device assembly.
- Disconnect harness clip (B).



17. Remove console rear finisher.

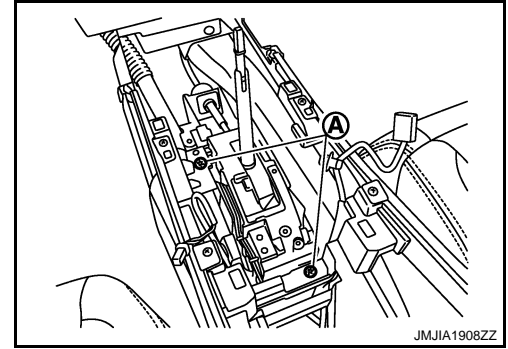
- Pull back console rear finisher (1) by using a remover tool (A), then disengage pawls and metal clips.
- Disconnect inside key antenna connector.



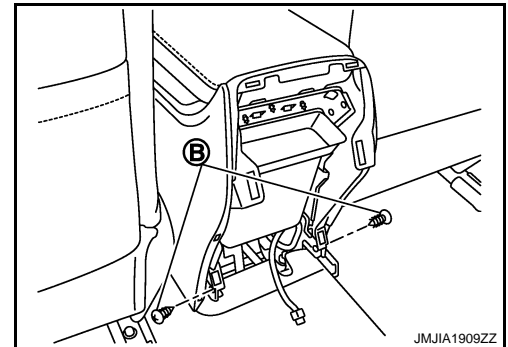
CENTER CONSOLE ASSEMBLY

< ON-VEHICLE REPAIR >

18. Remove center console assembly.
 - Remove center console fixing screws (A).



- Put front seat to the front most position.
- Remove center console fixing screws (B).



- Put front seat to the rear most position.
- Lift up center console assembly back side.
- Disconnect harness connectors.

INSTALLATION

Install in the reverse order of removal.

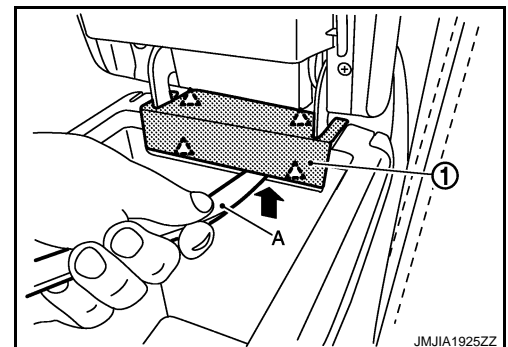
Disassembly and Assembly

INFOID:000000003816781

DISASSEMBLY

1. Remove center console assembly. Refer to [IP-22, "Removal and Installation"](#).
2. Remove console lid assembly.
 - Open the console lid.
 - Remove console mask (1) fixing pawls with remover tool (A).

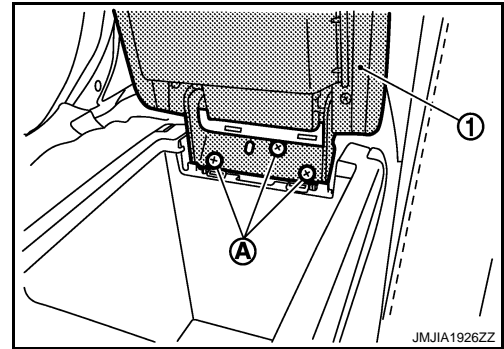
△ : Pawl



CENTER CONSOLE ASSEMBLY

< ON-VEHICLE REPAIR >

- Remove console lid assembly (1) fixing screws (A) and then remove console lid assembly.



3. Remove power outlet. Refer to [PWO-8, "Removal and Installation"](#).
4. Remove auxiliary input jacks. Refer to [AV-663, "Removal and Installation"](#).

ASSEMBLY

Assemble in the reverse order of disassembly.

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