



# INSTALLATION INSTRUCTIONS

Accessory  
**IN-VEHICLE ENTERTAINMENT SYSTEM WITHOUT SUNROOF**

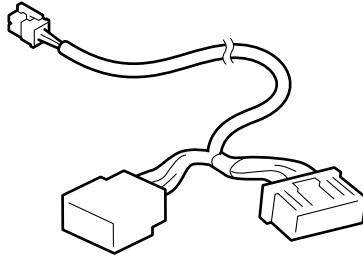
Application  
**2010 RIDGELINE (RT, RTS)**

Publications No.  
**All 42140**  
Issue Date  
**AUG 2009**

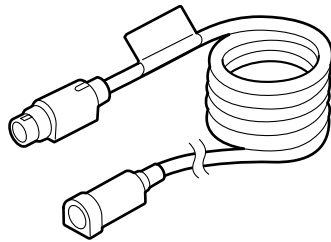
## PARTS LIST

Attachment Kit:  
P/N 08B23-SJC-100

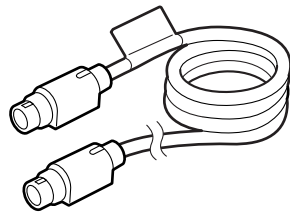
i-VES harness



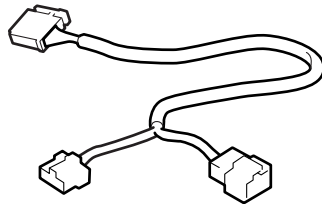
DIN cable "A"



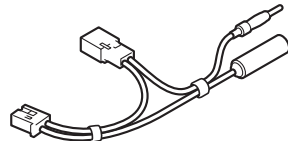
DIN cable "B"



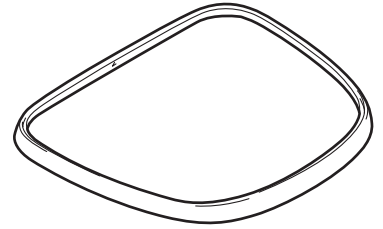
Interior light harness



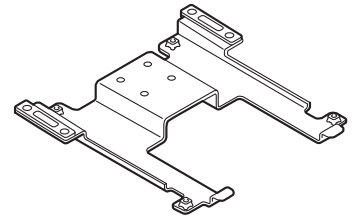
Sub-feeder cord



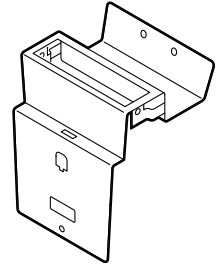
Monitor gasket



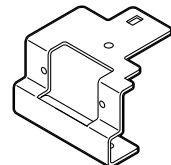
Monitor bracket



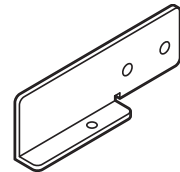
DVD player bracket A



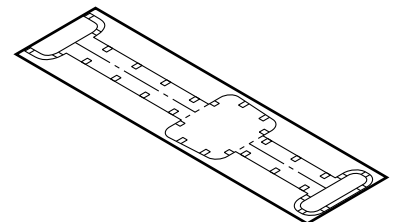
DVD player bracket B



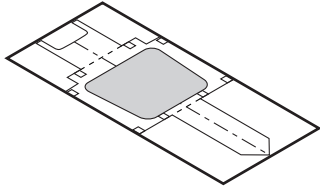
FM modulator bracket



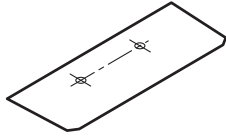
Template: without sunroof



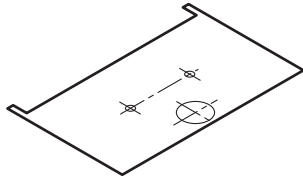
Template: with sunroof  
(Not used)



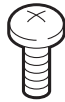
Template A



Template B



2 Screws, 3 x 8 mm



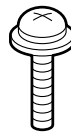
Washer-screw, 5 x 12 mm



2 Washer-screws, 5 x 16 mm



2 Washer-screws, 5 x 25 mm



4 Washer-screws, 6 x 12 mm



4 Stepped bolts, 5 mm



4 Square-neck bolts  
(Not used)



4 Flange nuts, 4 mm  
(Not used)



Flange nut, 5 mm



2 Cap nuts, 5 mm



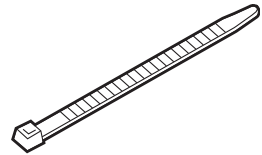
2 Nuts, 3 mm



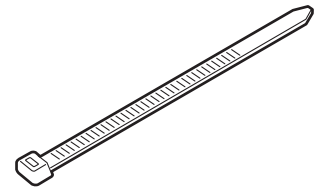
Connector clip



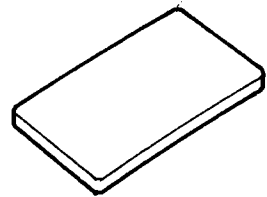
18 Wire ties  
(Some may not used)



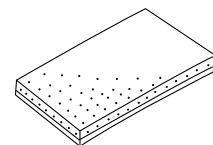
Long wire tie



10 Cushion tapes

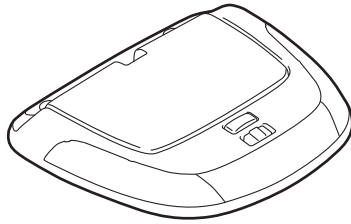


7 EPT sealers  
(1 Not used)

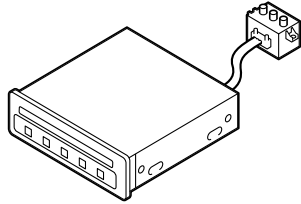


**Monitor Kit (sold separately):  
P/N 08A23-2G1-010**

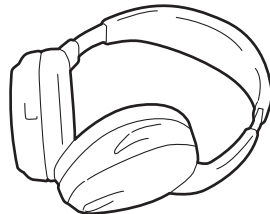
Monitor console



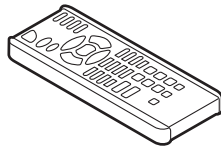
DVD player



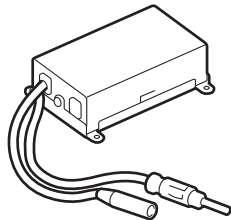
2 Headphones



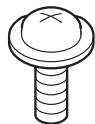
Remote controller



FM modulator



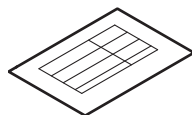
4 Washer-screws, 5 x 8 mm



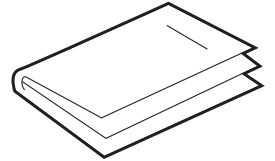
2 Screw caps



Quick Reference Tag

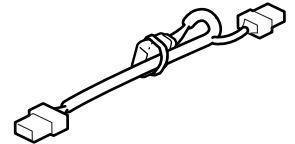


User's Information Manual

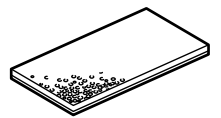


**Sub harness Attachment Kit:  
P/N 08B23-SJC-100C**

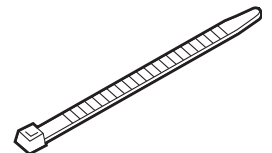
Sub harness



Urethane tape



Wire tie



**TOOLS AND SUPPLIES REQUIRED**

Phillips screwdriver

Flat-tip screwdriver

Utility Knife

Scissors

Pushpin

Isopropyl alcohol

Shop towel

Tape measure

Drill

3 mm and 8 mm Drill bits

28 mm Hole saw

Ratchet

5 mm and 10 mm Combination wrenches

10 mm Socket

Masking tape

Torque wrench

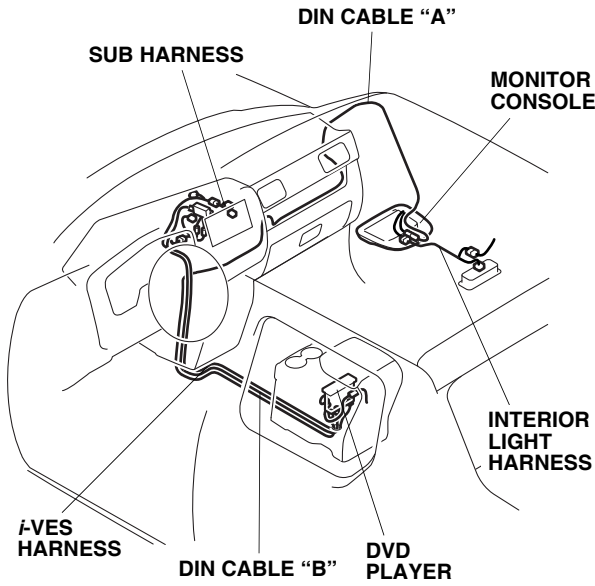
T-25 Torx wrench

Eye protection (face shield, safety goggles, etc.)

Plastic trim tool

T/N SILTRIMTL10

**Illustration of the Components Installed on the Vehicle**



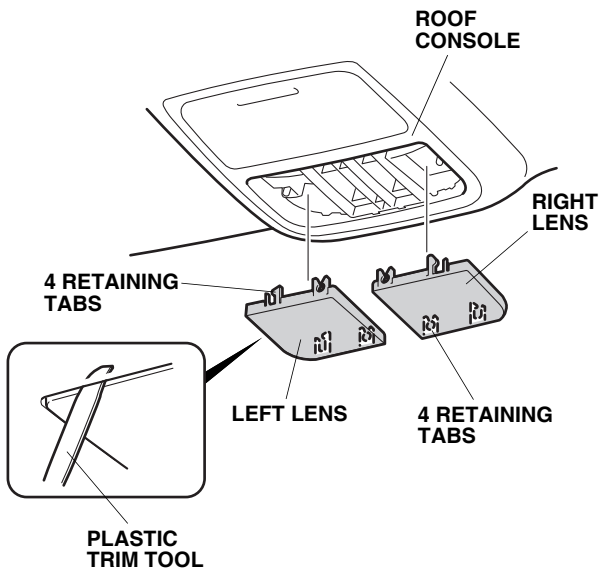
**INSTALLATION**

**Customer Information:** The information in this installation instruction is intended for use only by skilled technicians who have the proper tools, equipment, and training to correctly and safely add equipment to your vehicle. These procedures should not be attempted by "do-it-yourselfers."

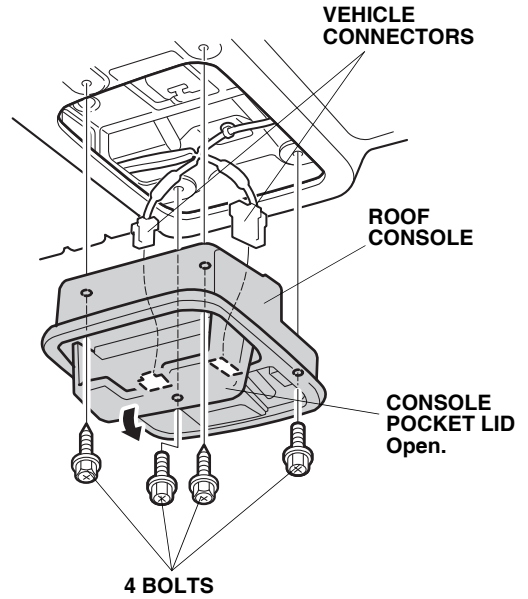
1. Make sure you have the anti-theft code for the radio, then write down the radio station presets.
2. Disconnect the negative cable from the battery.

**Removing the Vehicle Parts**

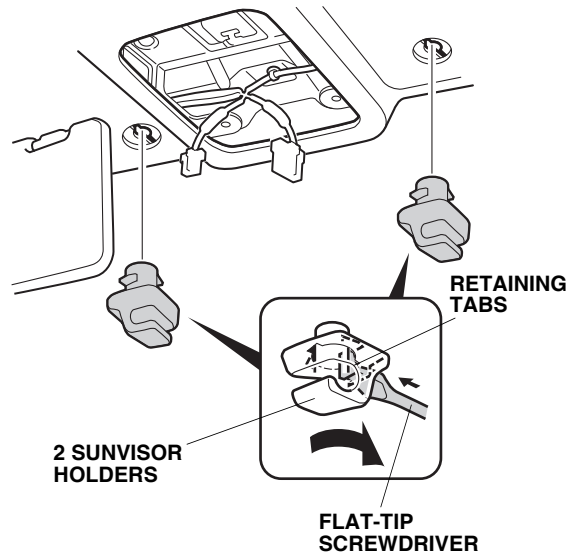
3. Remove the left and right lens (four retaining tabs for each lens).



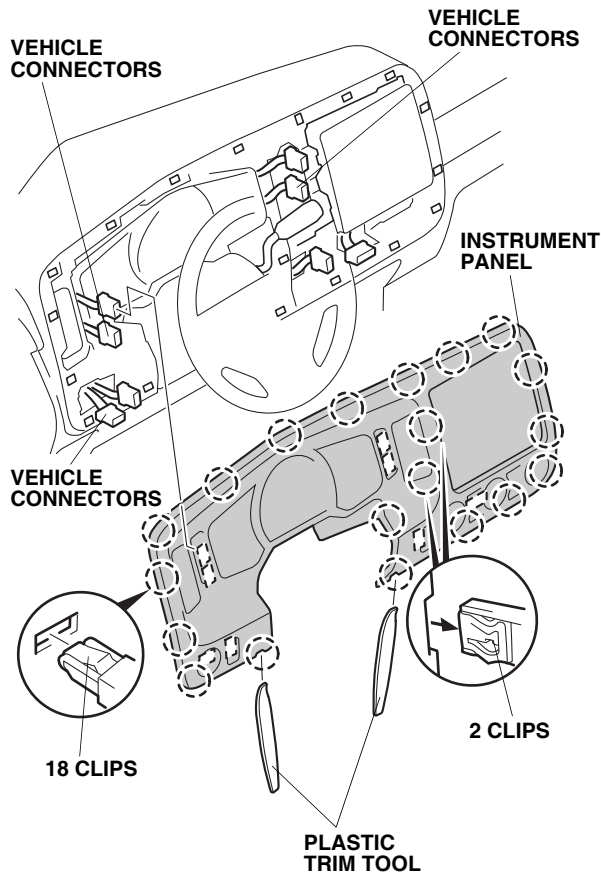
4. Open the console pocket lid, and remove the roof console (four bolts and unplug the vehicle connectors).



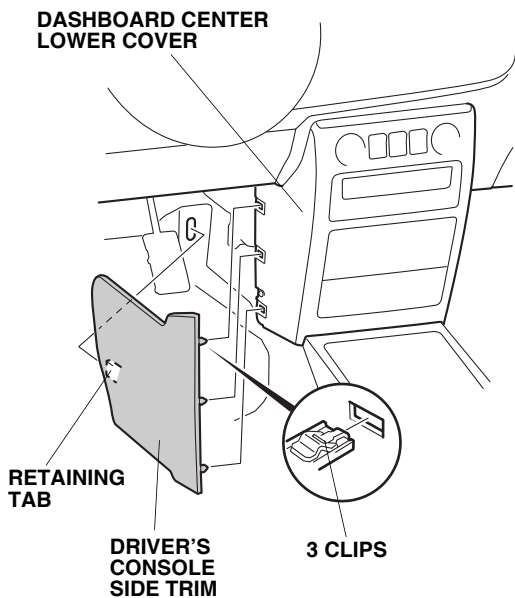
5. Remove the two sunvisor holders by rotating them clockwise.



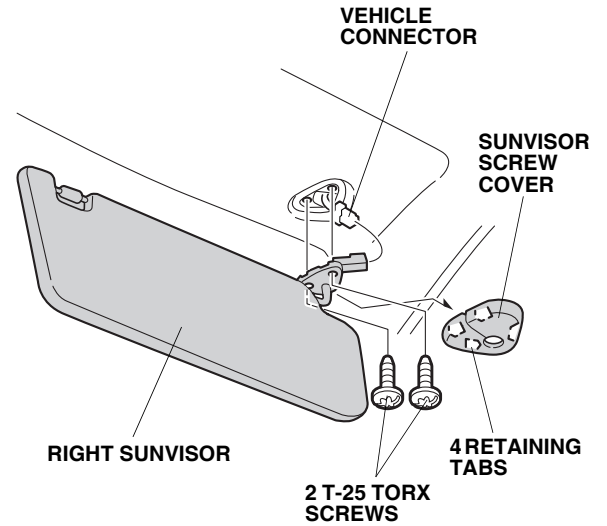
- Insert a plastic trim tool into the groove of the instrument panel, and release two clips. Pull the instrument panel out toward you to release 18 clips, and remove the instrument panel (unplug the vehicle connectors).



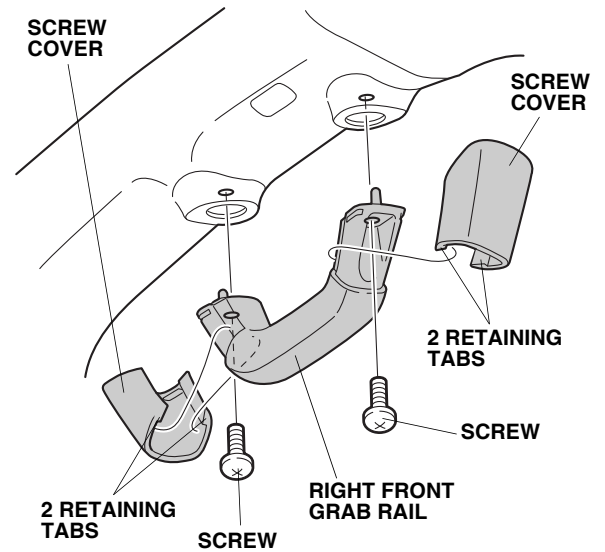
- Remove the driver's console side trim (three clips and one retaining tab).



- Remove the right sunvisor screw cover (four retaining tabs).

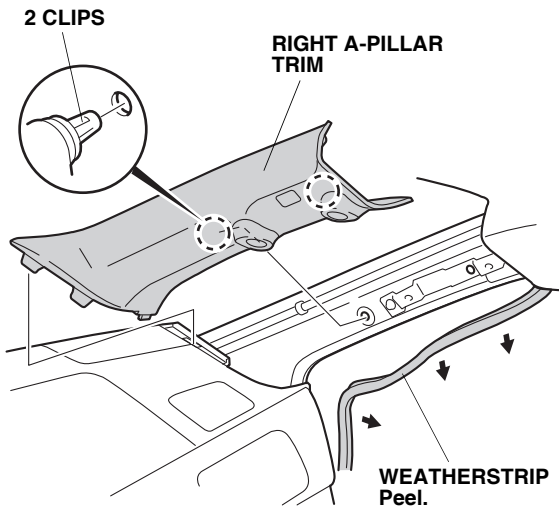


- Remove the right sunvisor (two T-25 torx screws and unplug the vehicle connector).
- Remove the right front grab rail screw covers (four retaining tabs).

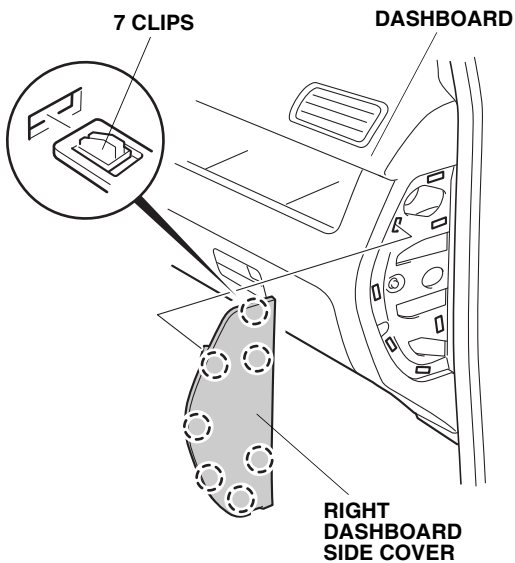


- Remove the right front grab rail (two screws).

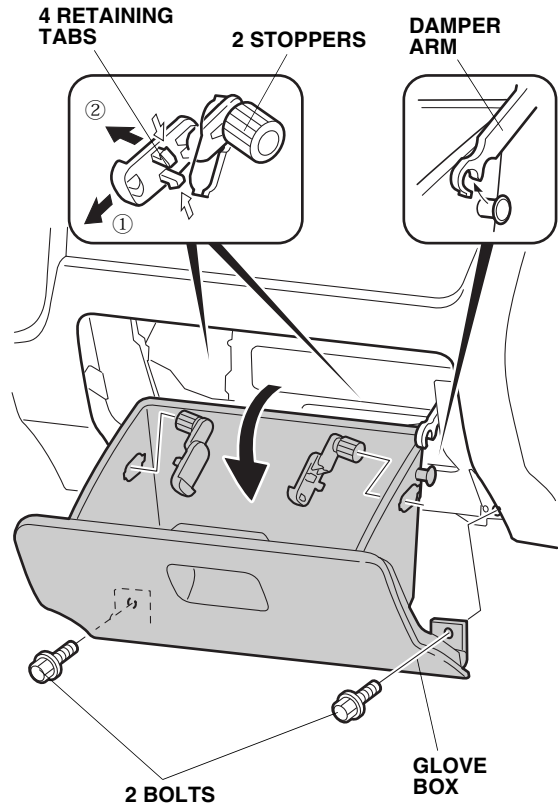
- Peel the weatherstrip from around the right A-pillar trim. Remove the right A-pillar trim (two clips).



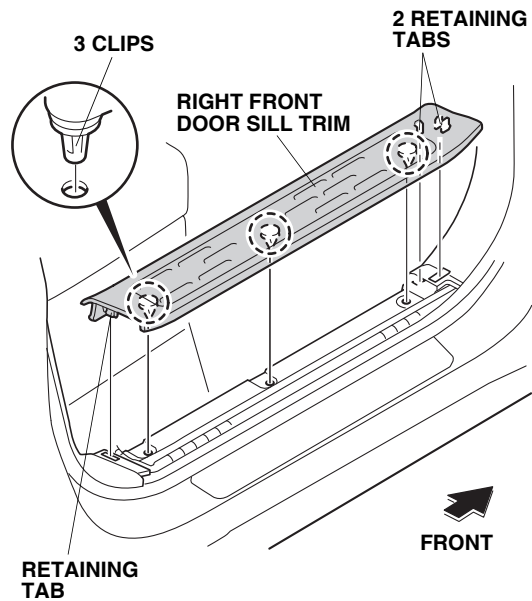
- Remove the right dashboard side cover (seven clips).



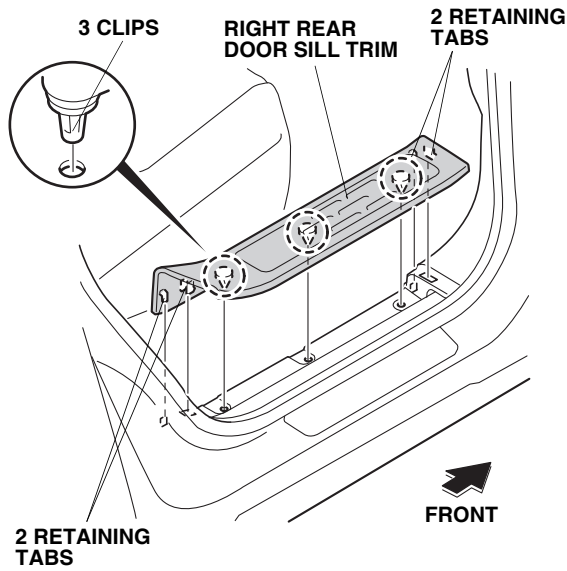
- Open the glove box, and release the damper arm.



- Remove two stoppers (four retaining tabs), and slide the two stoppers as shown.
- Remove the glove box (two bolts).
- Remove the right front door sill trim (three clips and three retaining tabs).

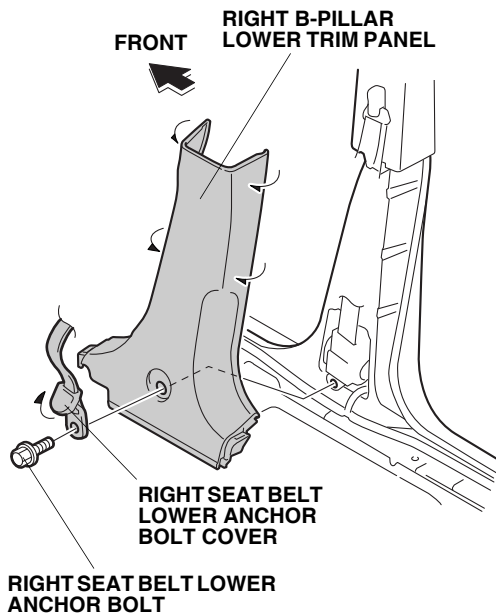


18. Remove the right rear door sill trim (three clips and four retaining tabs).



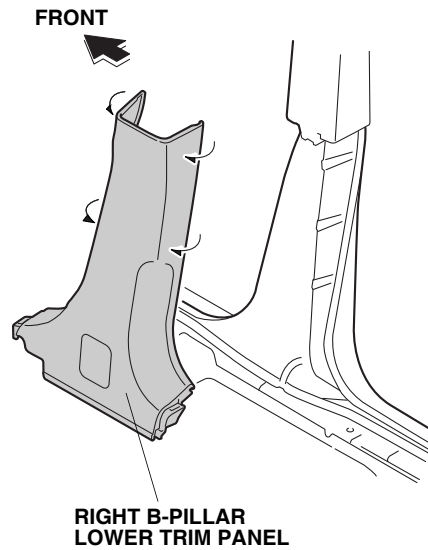
If the vehicle is equipped with a right seat belt lower anchor bolt, continue with step 19; if not, go to step 21.

19. Pull up the right seat belt lower anchor bolt cover and the right seat belt lower anchor bolt.

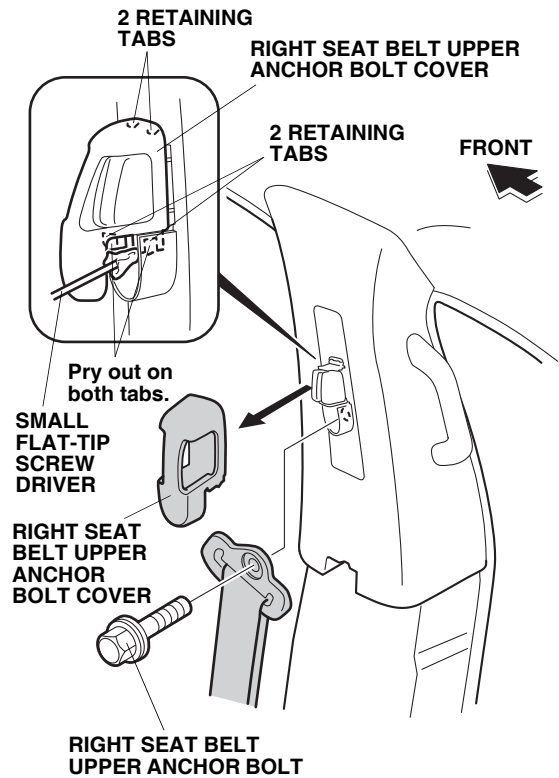


20. Remove the right B-pillar lower trim panel by pulling out toward you as shown. Go to step 22.

21. Remove the right B-pillar lower trim panel by pulling out toward you as shown.

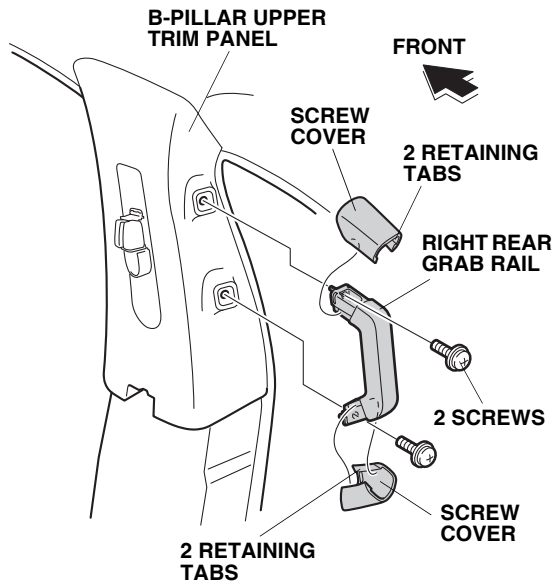


22. Remove the right seat belt upper anchor bolt cover (four retaining tabs).

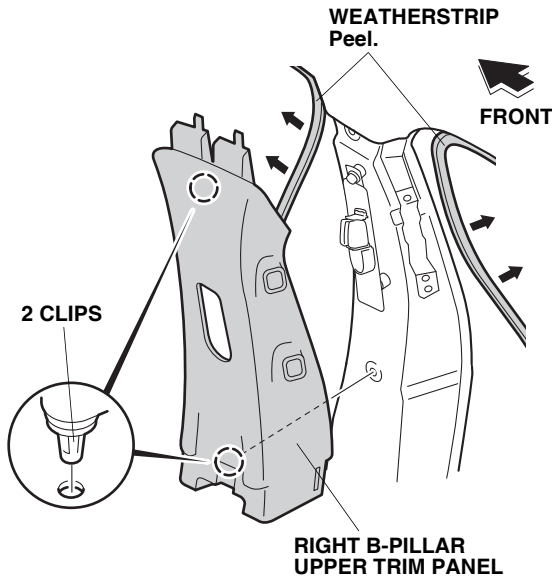


23. Remove the right seat belt upper anchor bolt.

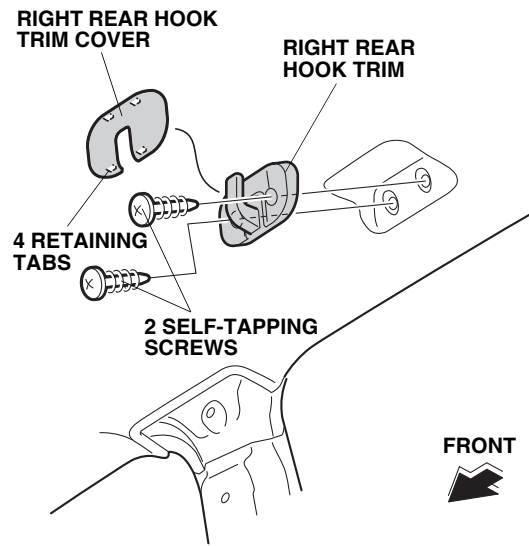
24. Remove two right rear grab rail screw covers (four retaining tabs).



25. Remove the right rear grab rail (two screws).
26. Peel the weatherstrip from the right B-pillar upper trim panel. Remove the right B-pillar upper trim panel (two clips).



27. Remove the right rear hook trim cover (four retaining tabs).

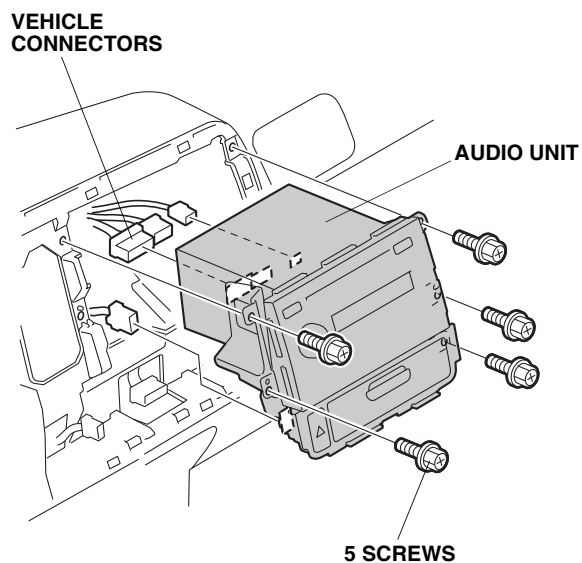


28. Remove the right rear hook trim (two self-tapping screws).

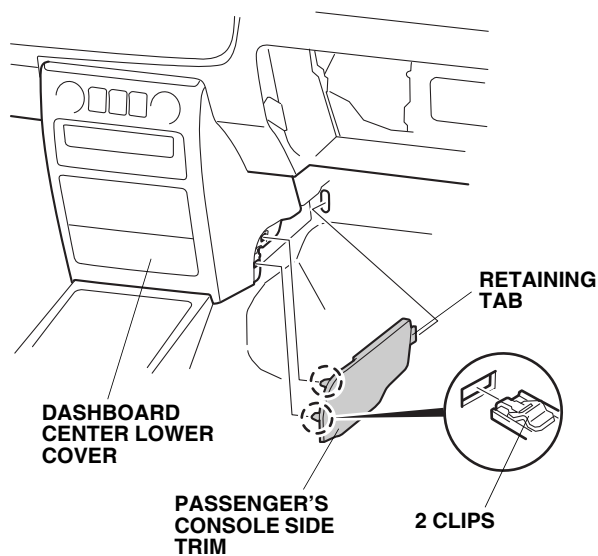


29. Remove the audio unit (five screws, and pull the audio unit out towards you, and unplug the vehicle connectors).

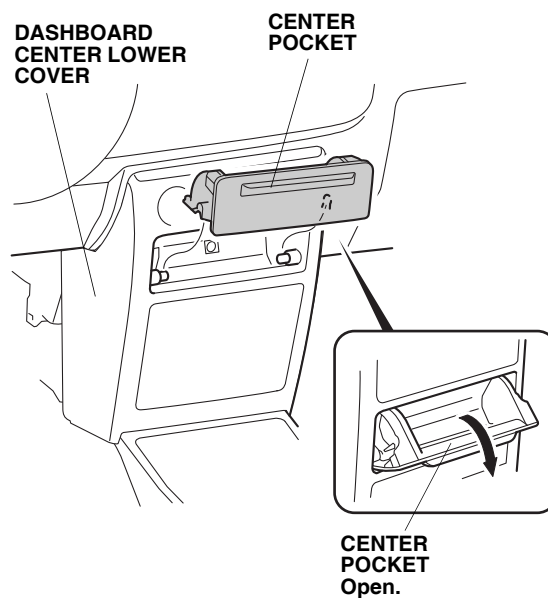
NOTE: Eject all the CDs before removing the audio unit and CD changer to prevent damaging the CD player's load mechanism.



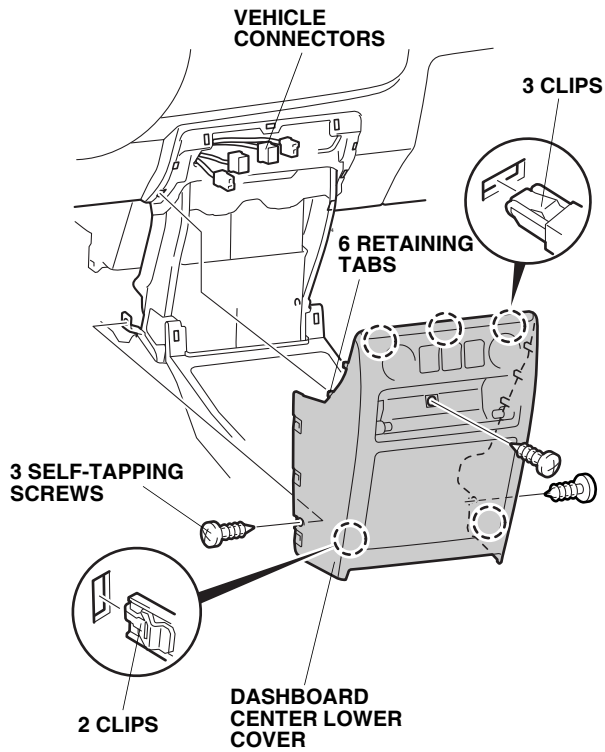
30. Remove the passenger's console side trim (two clips and one retaining tab).



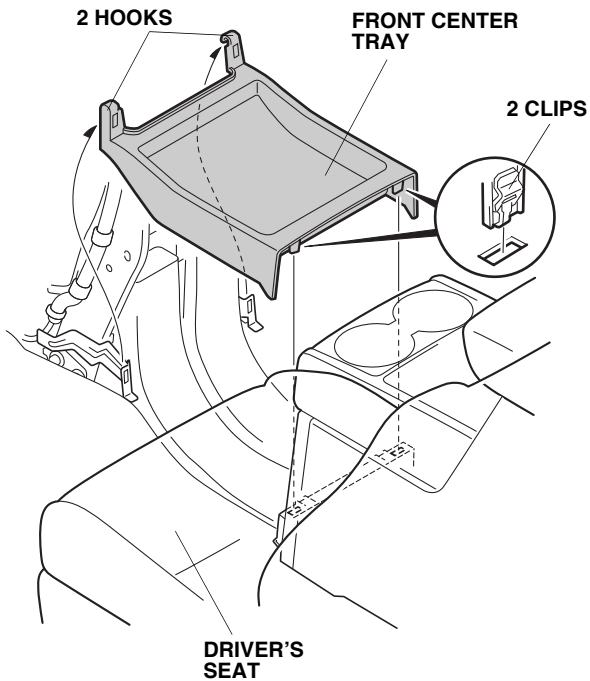
31. Open the center pocket, and remove the center pocket out towards you.



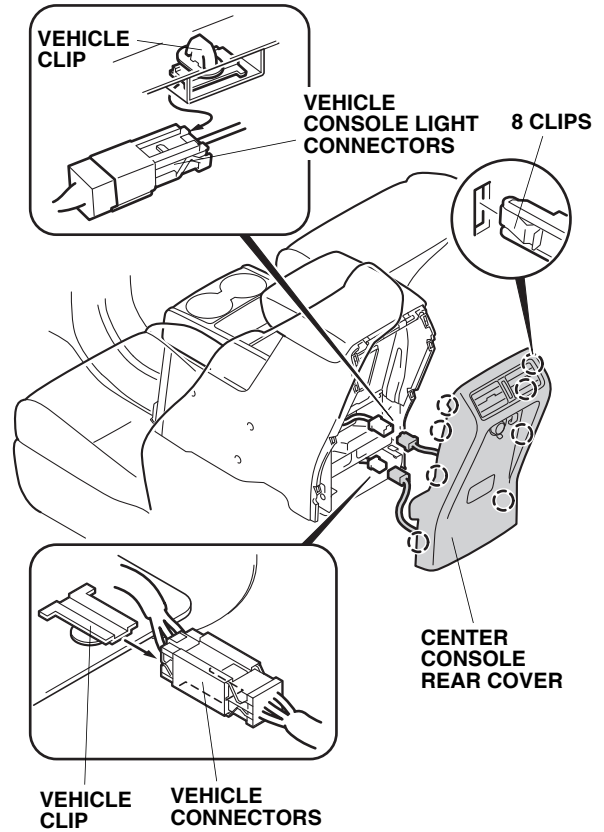
32. Remove the dashboard center lower cover (three self-tapping screws, five clips, six retaining tabs, and unplug the vehicle connectors).



33. Remove the front center tray (two clips and two hooks).

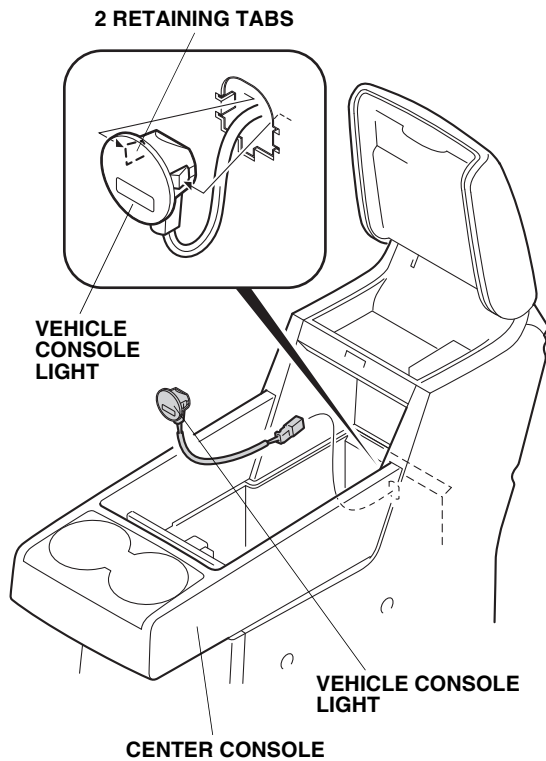


34. Pull the center console rear cover out toward you to release eight clips.

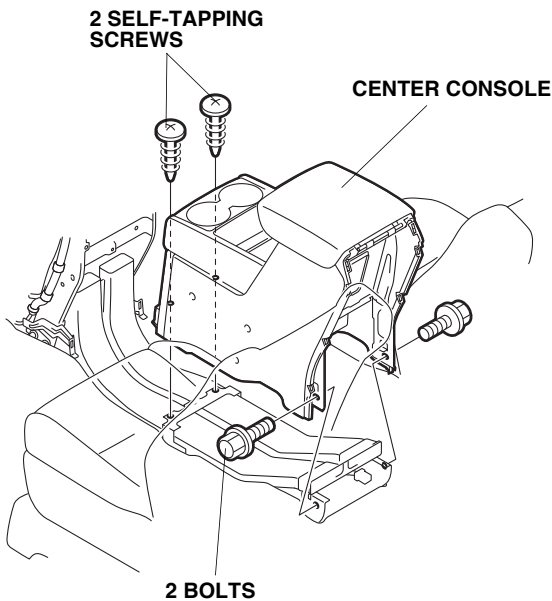


35. Release the vehicle console light connectors and the vehicle connectors from the vehicle clips.
36. Remove the center console rear cover (unplug the vehicle console light connector and the vehicle connector).

37. Remove the vehicle console light (two retaining tabs).

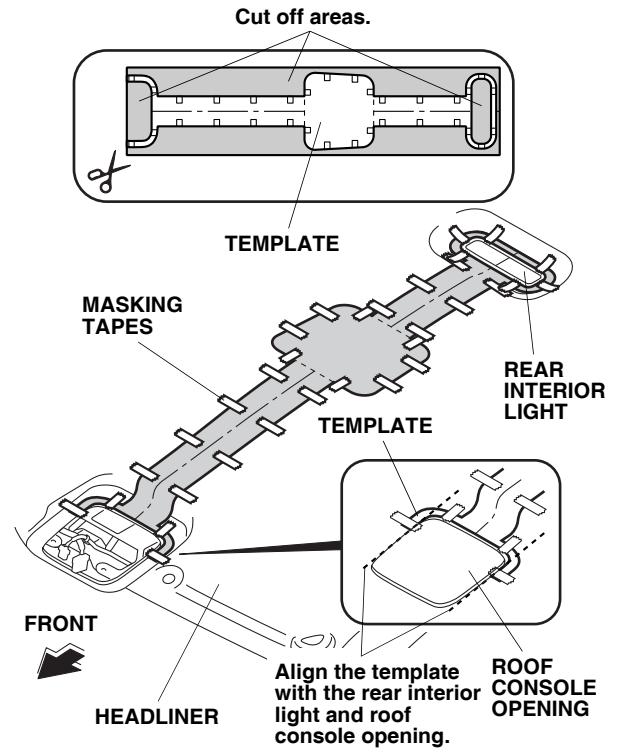


38. Remove the center console (two bolts and two self-tapping screws).



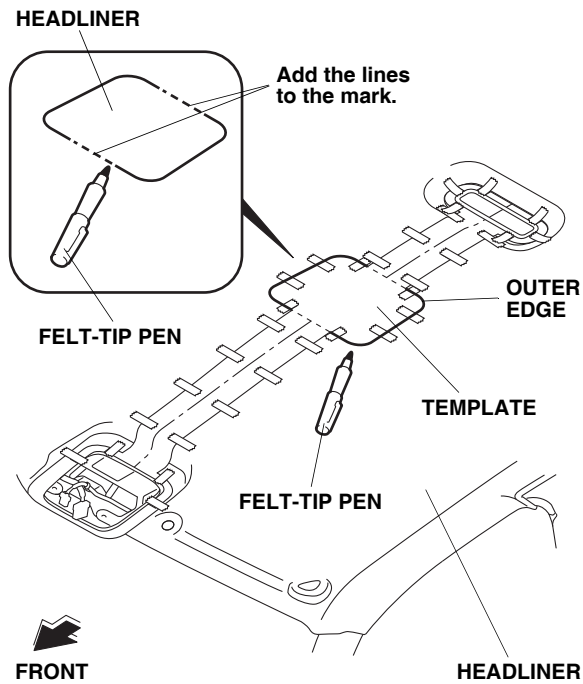
### Cutting the Headliner

39. Using scissors, cut off the marked areas from the template.

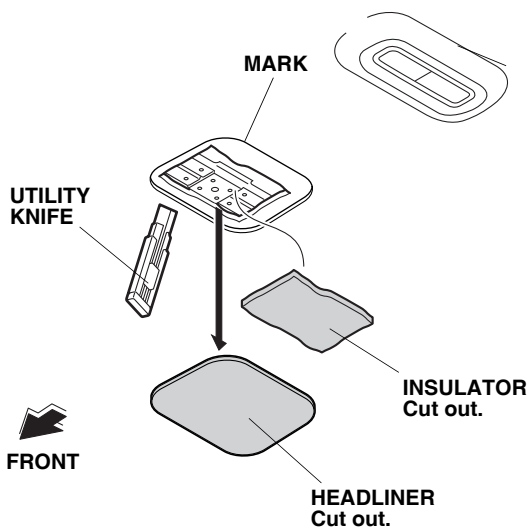


40. Position the template on the headliner and align the cutout with the rear interior light and roof console opening. Tape the template to the headliner with the masking tapes.

41. Using a felt-tip pen, mark the headliner along the outer edge of the template. Remove the template and add the lines to the mark you made on the headliner in the positions shown.

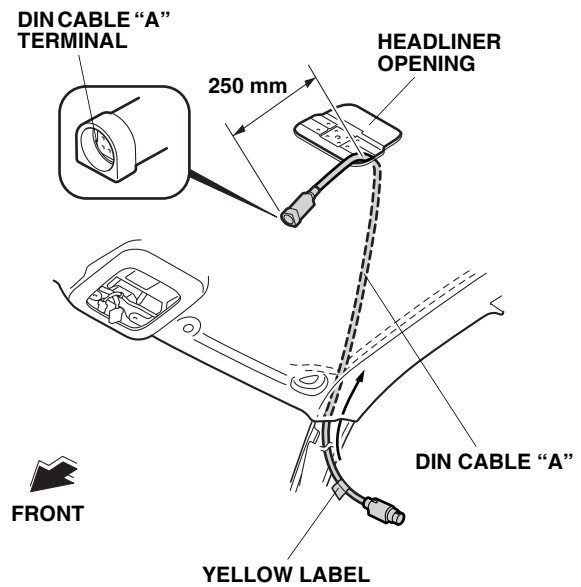


42. Using a utility knife, cut out the marked area of the headliner, and cut out the insulator from the vehicle frame as shown.



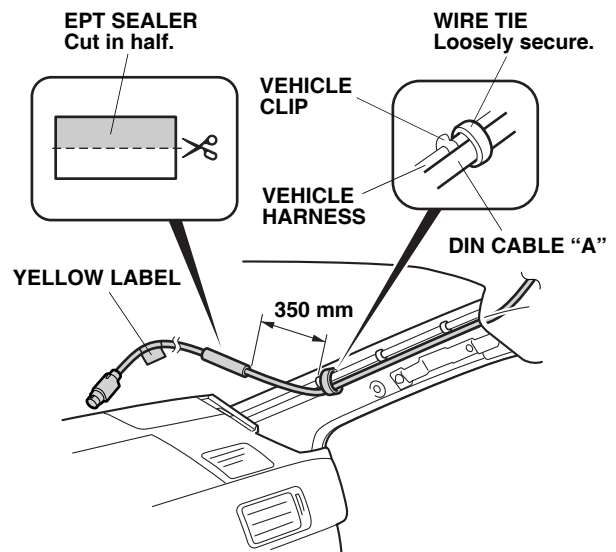
## Routing the DIN Cables and the i-VES Harness

43. Route the DIN cable "A" between the headliner and the insulator, through the headliner opening made in step 42.

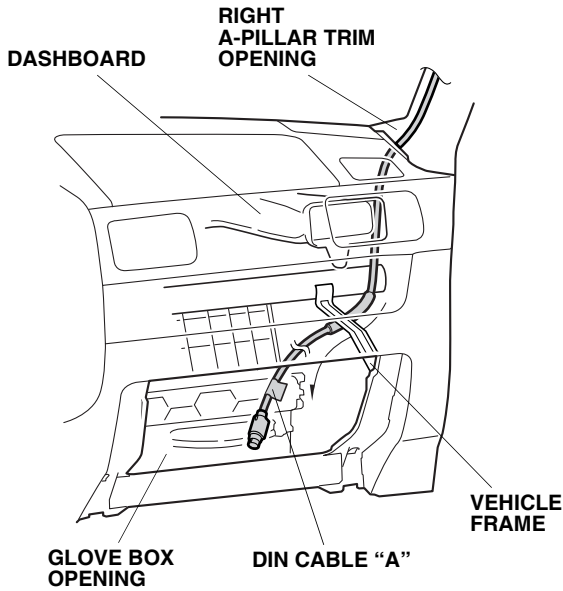


44. Pull out the DIN cable "A" by the length shown.

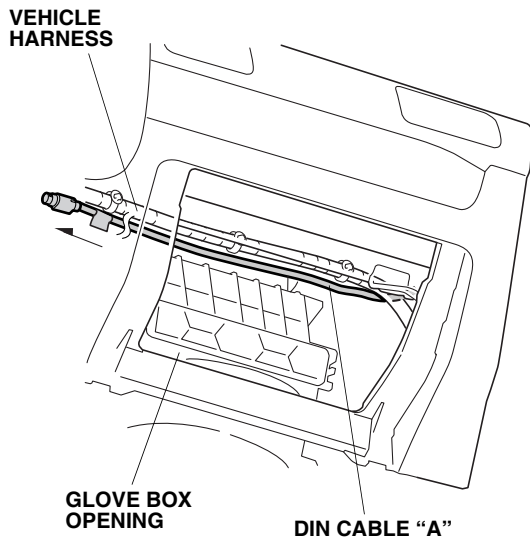
45. Route the yellow label side of the DIN cable "A" along the vehicle harness, and loosely secure the DIN cable "A" to the vehicle harness with one wire tie.



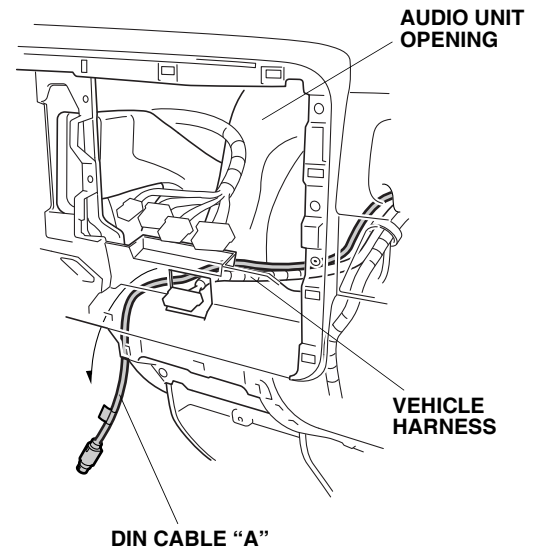
46. Using scissors, cut one EPT sealer in half. Wrap one half EPT sealer to the DIN cable "A" in the area shown.
47. Route the DIN cable "A" behind the dashboard and towards the glove box opening.



48. Inside the glove box opening, route the DIN cable "A" along the vehicle harness and towards the driver side of the vehicle.

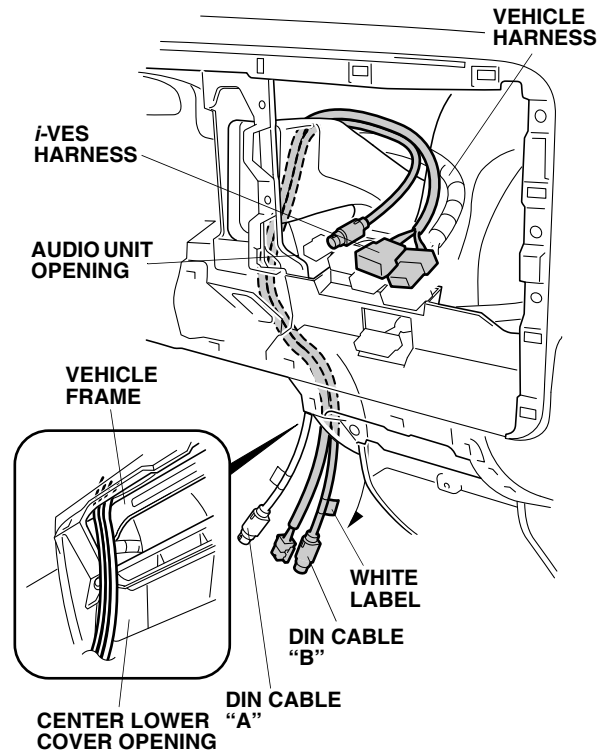


49. Route the DIN cable "A" to the audio unit opening down towards the vehicle floor.

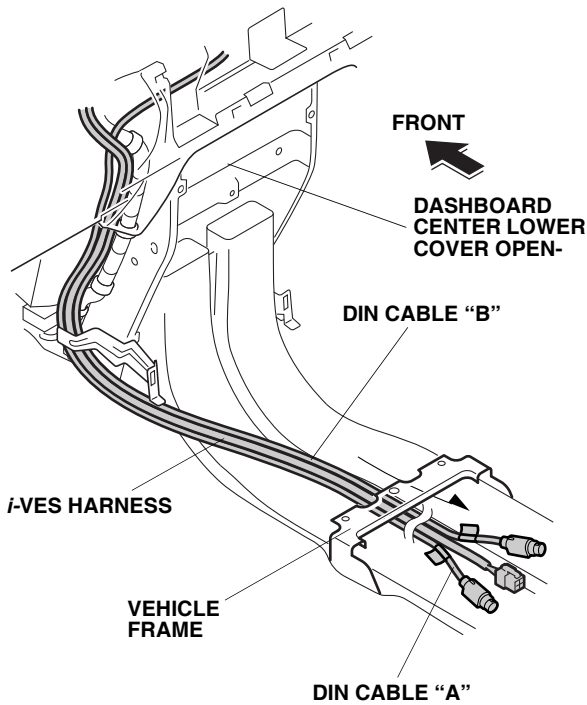


If the vehicle connector at the audio unit opening is 20-pin, continue with step 50; if the vehicle connector is 24-pin, go to step 52.

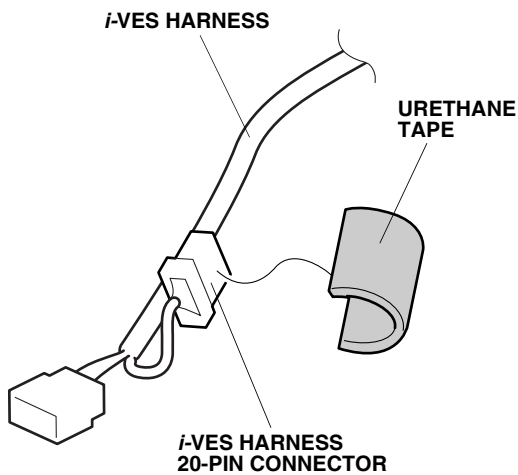
50. Route the *i*-VES harness and the white label side of the DIN cable "B" from the audio unit opening down towards the vehicle floor along the vehicle harness.



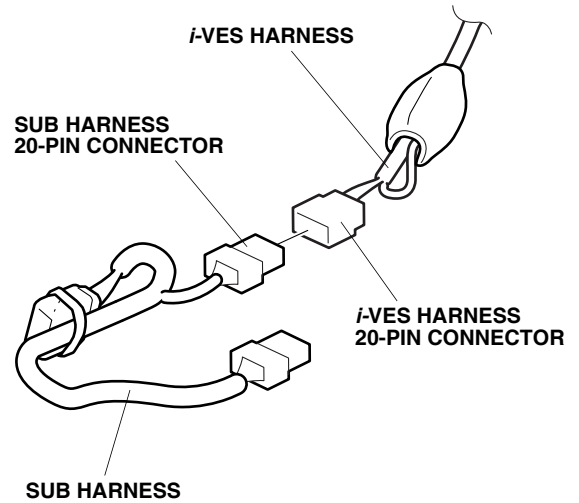
51. Route the *i*-VES harness, DIN cable "A" and DIN cable "B" to the rear of the vehicle. Go to step 60.



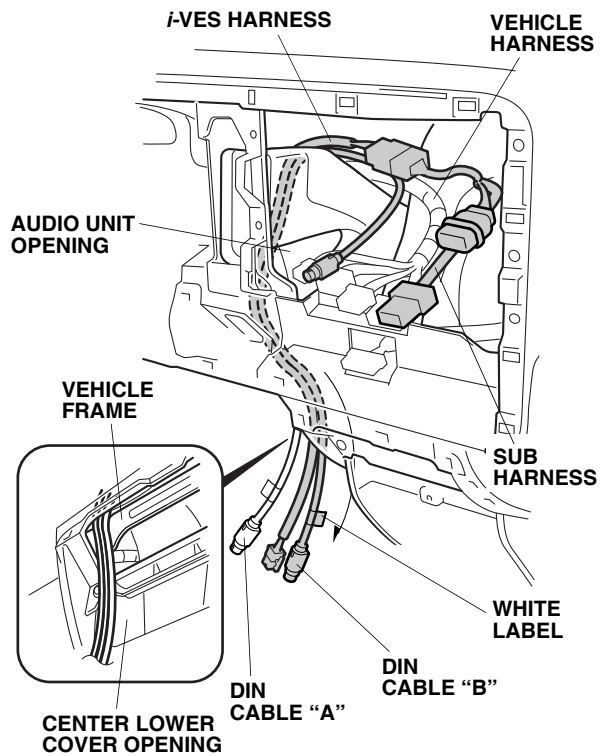
52. Wrap one urethane tape to the *i*-VES harness 20-pin connector and the *i*-VES harness as shown.



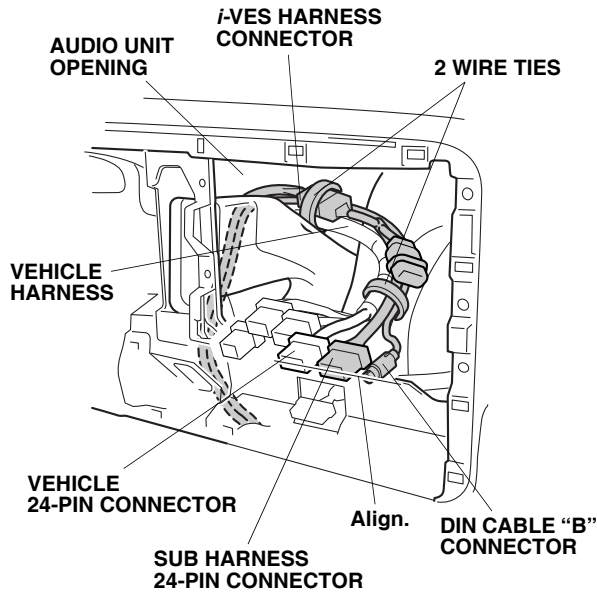
53. Plug the sub harness 20-pin connector into the *i*-VES harness 20-pin connector.



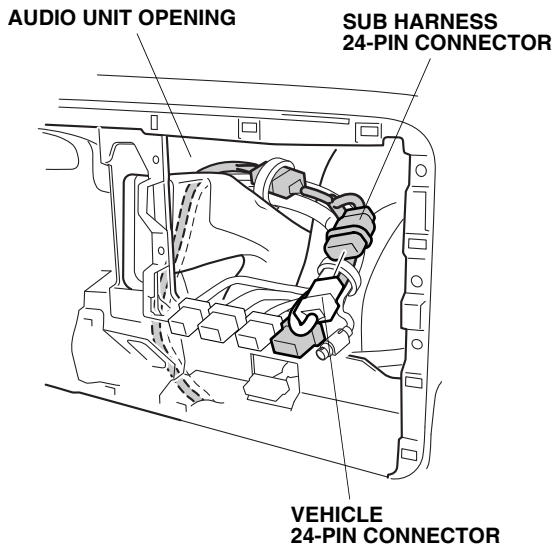
54. At the audio unit opening, route the *i*-VES harness and the white label side of the DIN cable "B" from the audio unit opening down towards the vehicle floor along the vehicle harness.



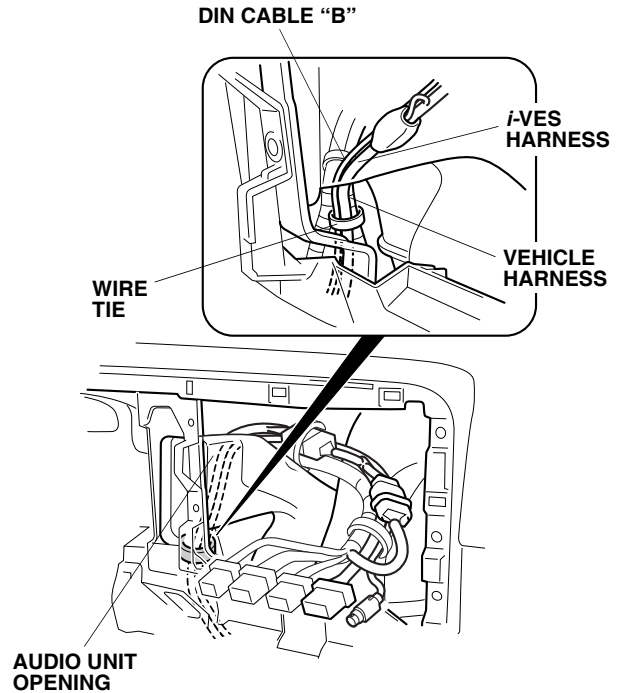
55. Align the sub harness 24-pin connector and the DIN cable "B" connector to the vehicle 24-pin connector, and secure them to the vehicle harness with two wire ties.



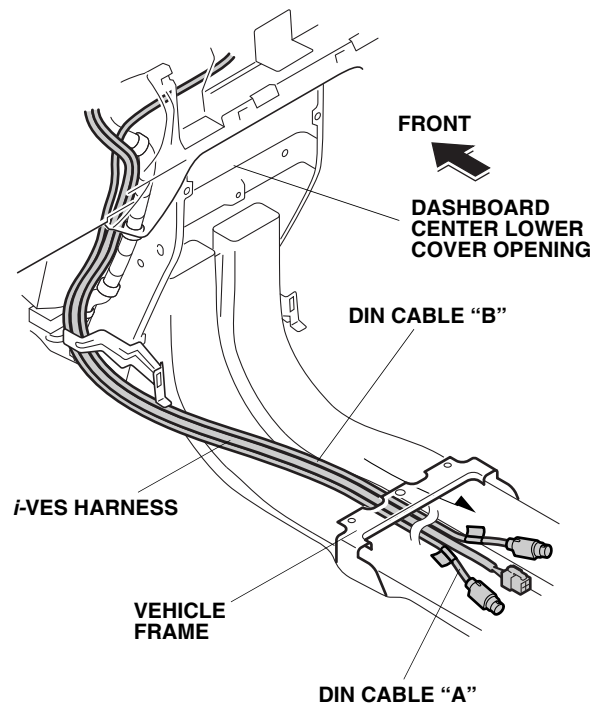
56. Plug the sub harness 24-pin connector to the vehicle 24-pin connector.



57. Secure the *i*-VES harness and the DIN cable "B" to the vehicle harness with one wire tie.

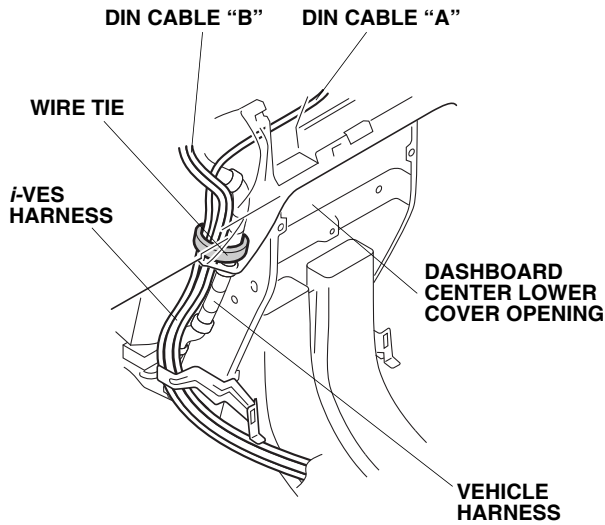


58. Route the *i*-VES harness, DIN cable "A" and DIN cable "B" to the rear of the vehicle.

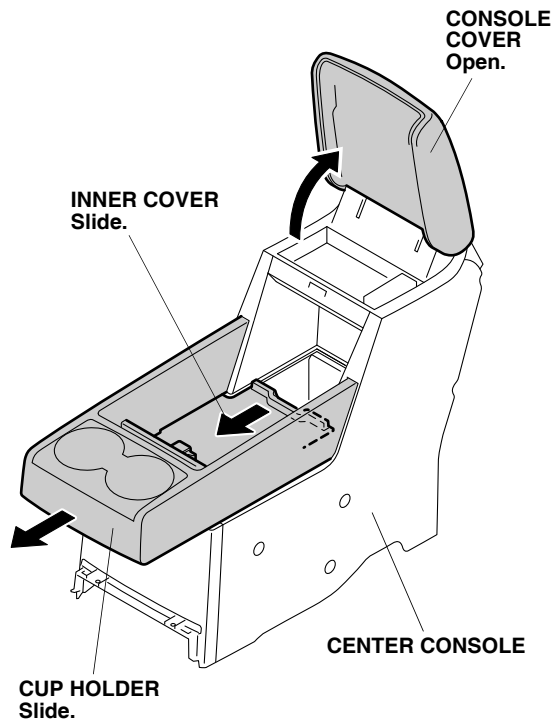




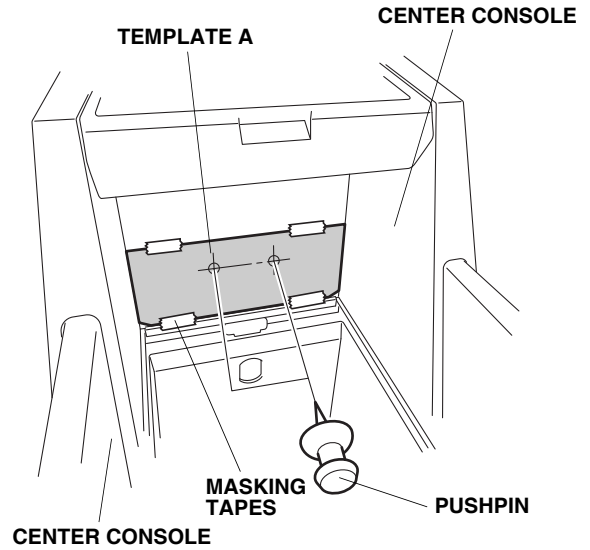
59. Secure the i-VES harness and the DIN cables to the vehicle harness with one wire tie.



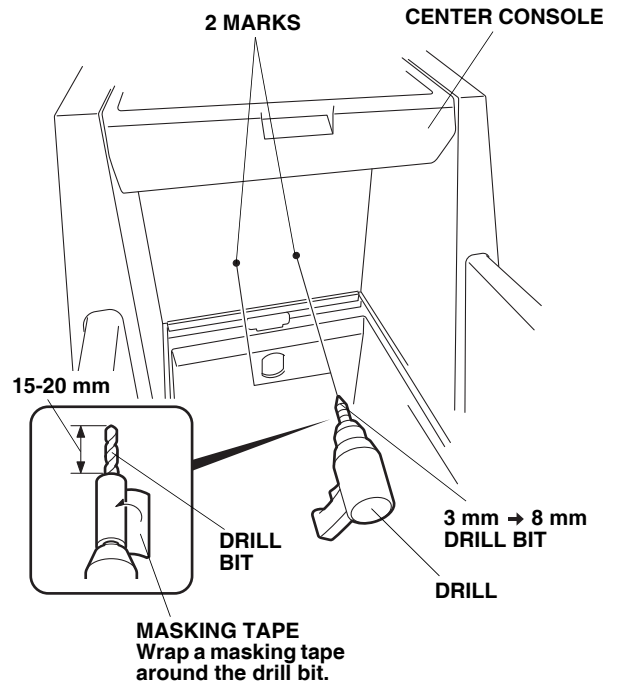
60. Slide the center console cup holder forward, and slide the inner cover forward. Open the console cover.



61. Position the template A to the center console as shown, and attach the template A to the center console with the masking tapes.



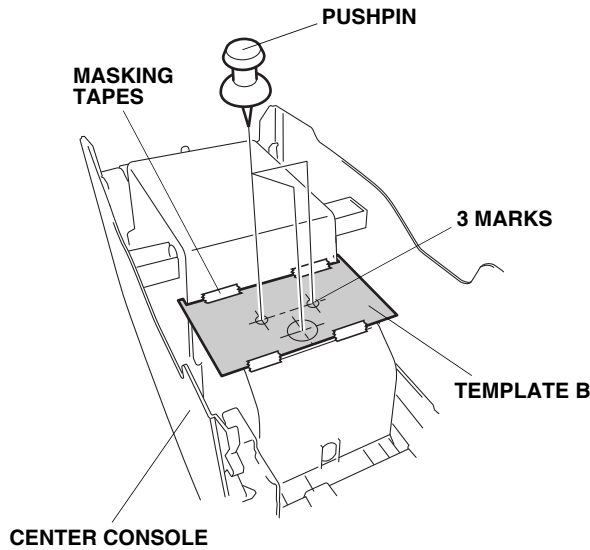
62. Using a pushpin, mark the center console at the marks on the template A. Remove the template A.
63. To prevent drilling through the inner panel, wrap a masking tape around the drill bit from the tip to the root in the measurement as shown.



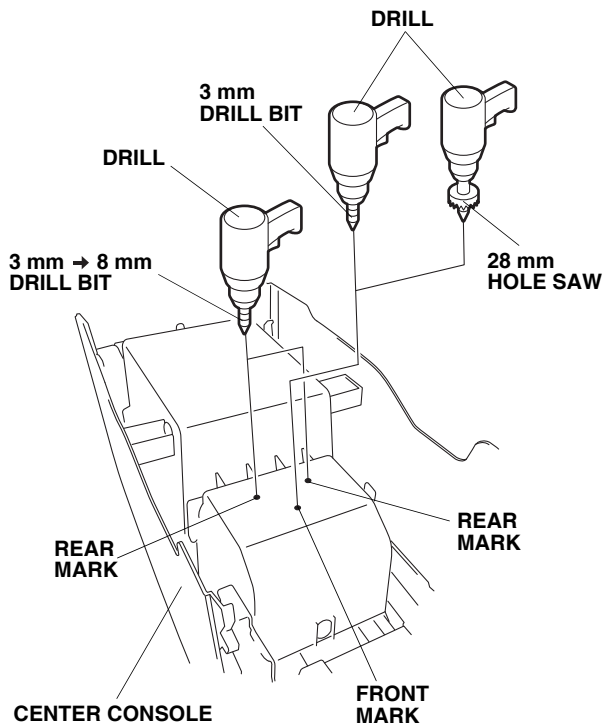
64. While wearing eye protection, drill an 8 mm hole at each marked point. Start with a 3 mm drill bit and finish with an 8 mm drill bit. Remove any burrs.



65. Position the template B to the center console as shown, and attach the template B to the center console with the masking tapes.

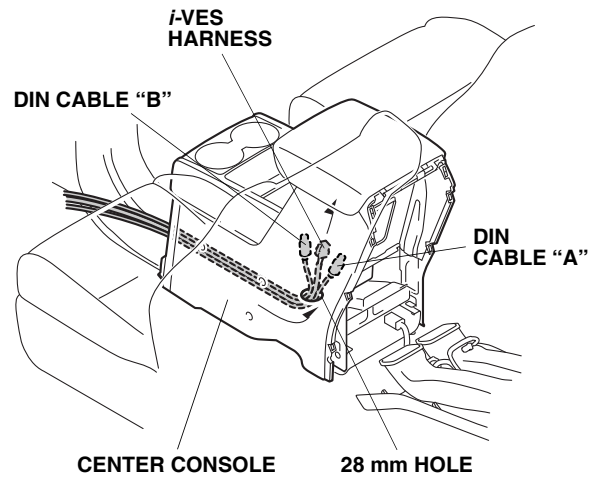


66. Using a pushpin, mark the center console at the marks on the template B. Remove the template B.
67. While wearing eye protection, drill an 8 mm hole at each marked point. Start with a 3 mm drill bit and finish with an 8 mm drill bit only on the two rear marks. Use the drill bit with the tape attached.

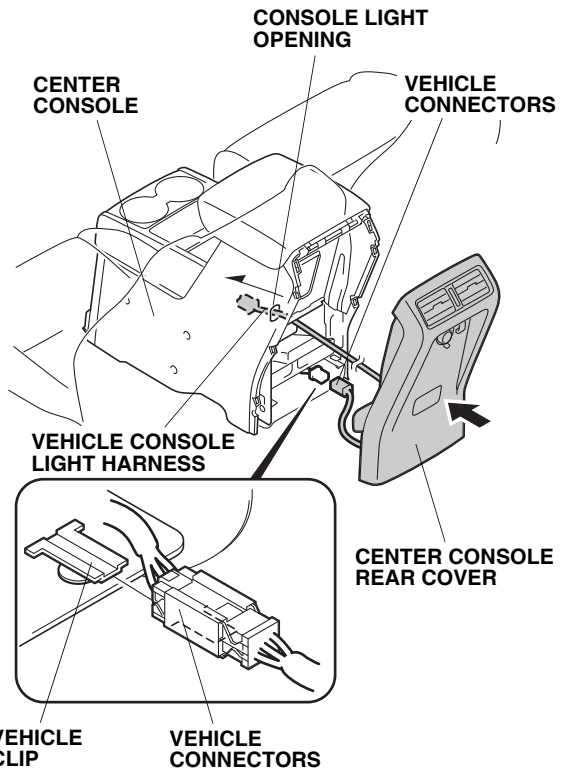


68. Using a 28 mm hole saw, widen the front mark. Remove any burrs.

69. Install the center console. Route the *i*-VES harness, DIN cable "A" and DIN cable "B" through the 28 mm hole on the center console.



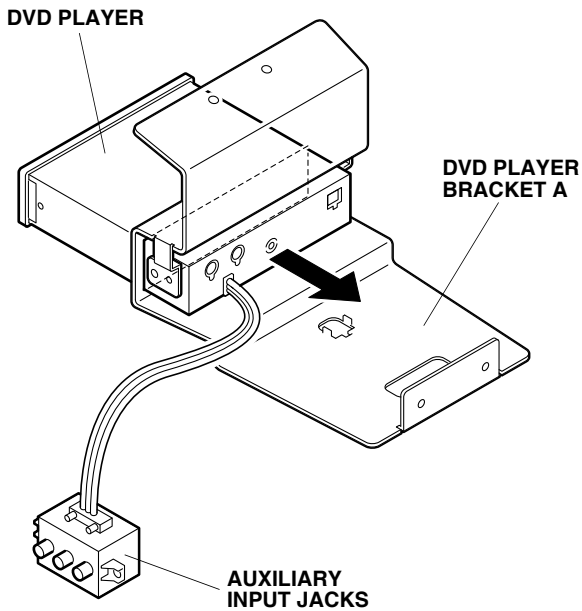
70. Re-plug the vehicle connectors, and reinstall the vehicle connectors to the vehicle clip.



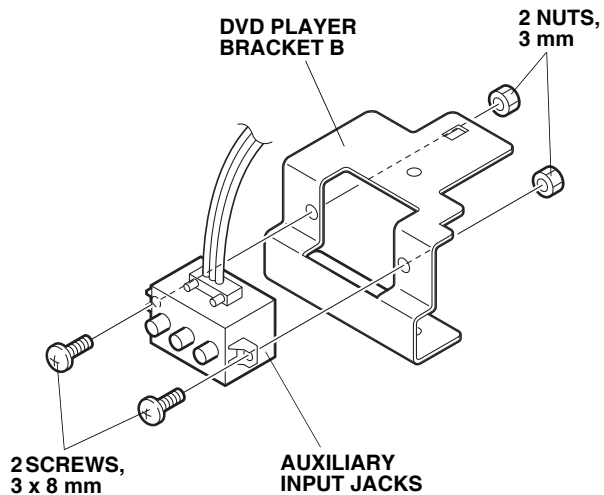
71. Route the vehicle console light harness through the console light opening, and reinstall the center console rear cover.

## Installing the DVD Player

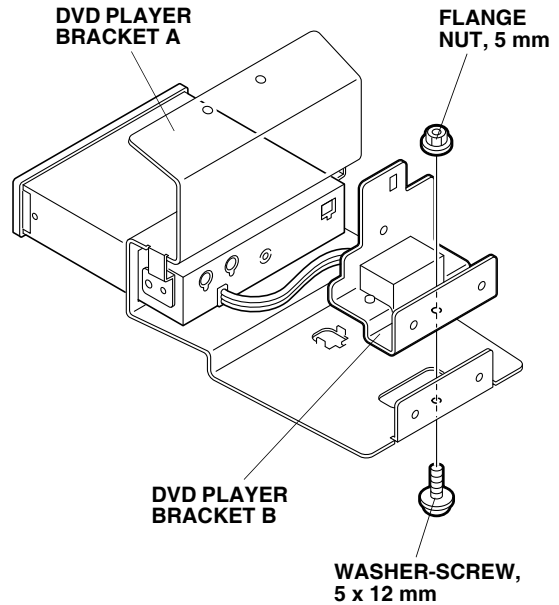
72. Slide the DVD player into the DVD player bracket A.



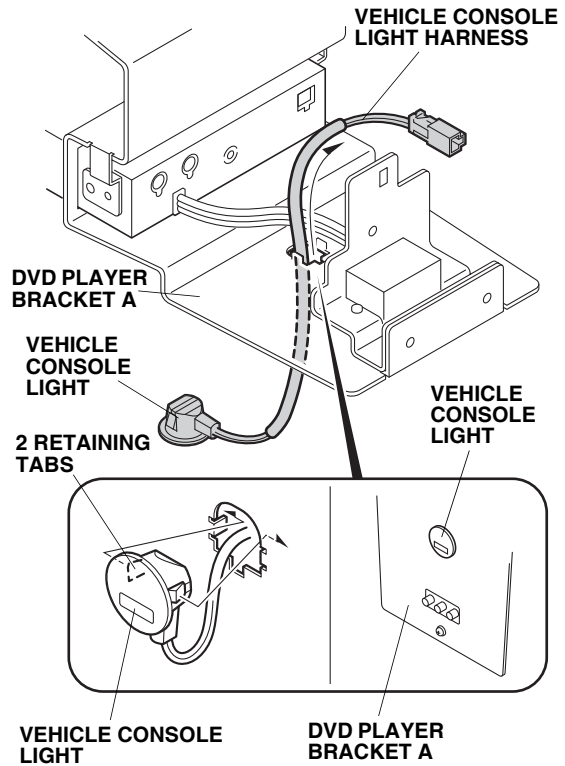
73. Secure the auxiliary input jacks to the DVD player bracket B with two 3 x 8 mm screws and two 3 mm nuts.



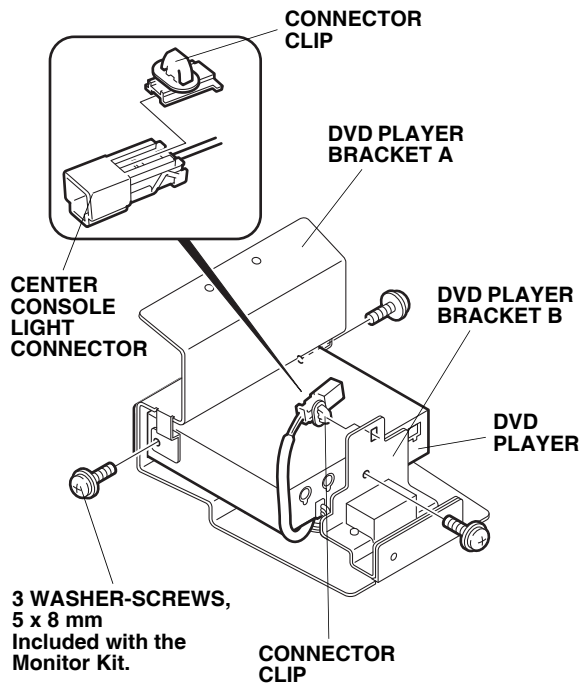
74. Secure the DVD player bracket B to the DVD player bracket A with one 5 x 12 mm washer-screw and one 5 mm flange nut.



75. Install the vehicle console light to the DVD player bracket A with two retaining tabs.

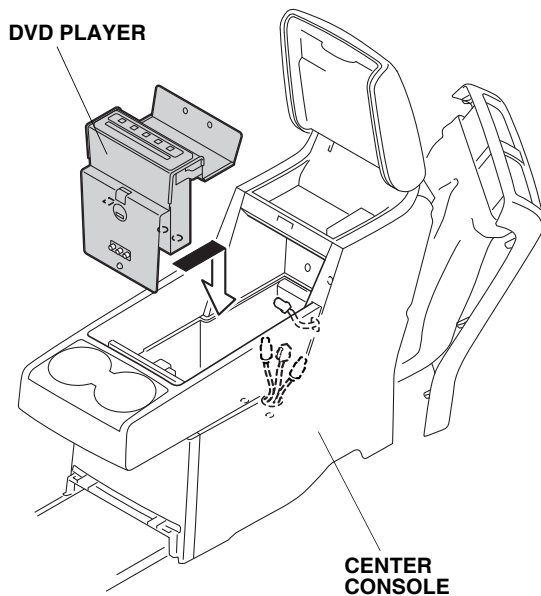


76. Secure the DVD player to the DVD player bracket A and B with three 5 x 8 mm washer-screws included with the Monitor Kit.

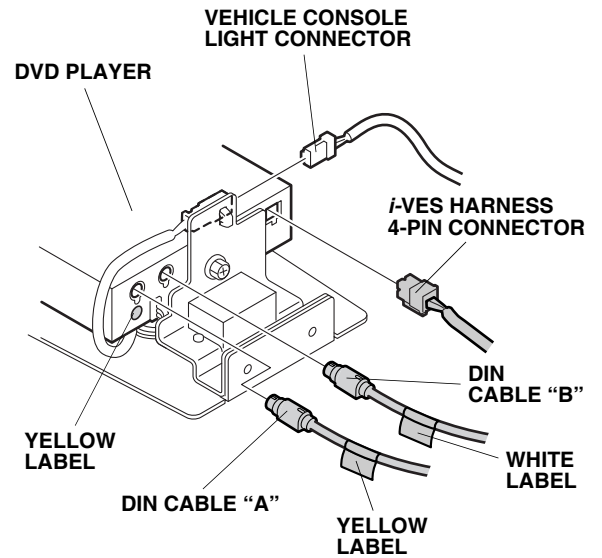


77. Insert the connector clip to the center console light connector, and secure it to the DVD player bracket B.

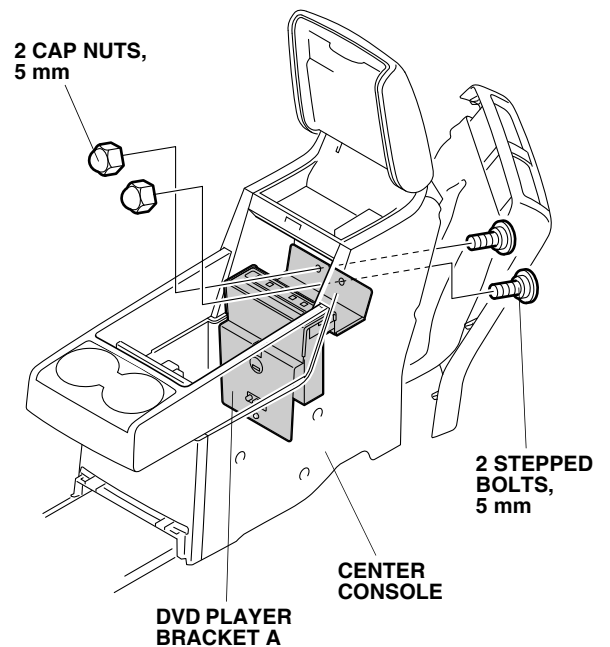
78. Slide the DVD player into the center console.



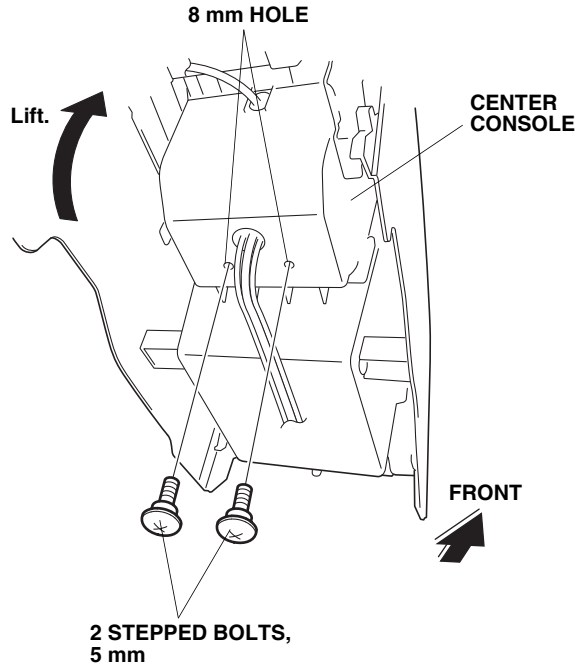
79. Plug the *i*-VES harness 4-pin connector, DIN cable "A", and the vehicle console light connector to the DVD player. Do not interchange the connection point of the DIN cable "A" and DIN cable "B"



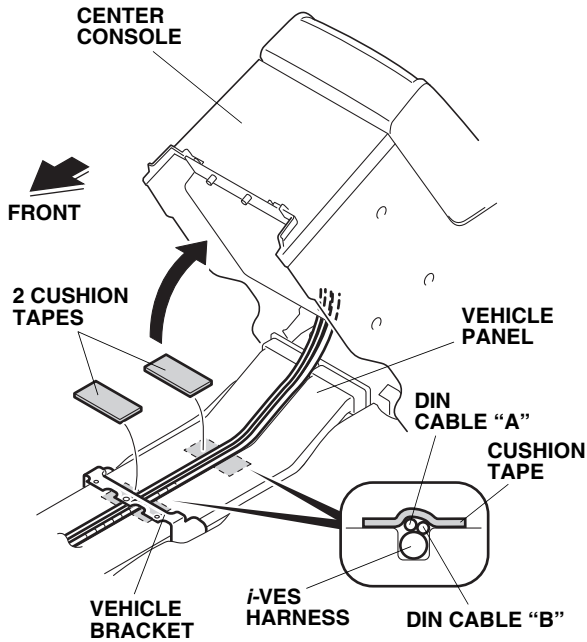
80. Secure the DVD player bracket A to the center console with two 5 mm stepped bolts and two 5 mm cap nuts.



81. Lift the center console as shown, and secure the DVD player bracket A to the center console with two 5 mm stepped bolts.



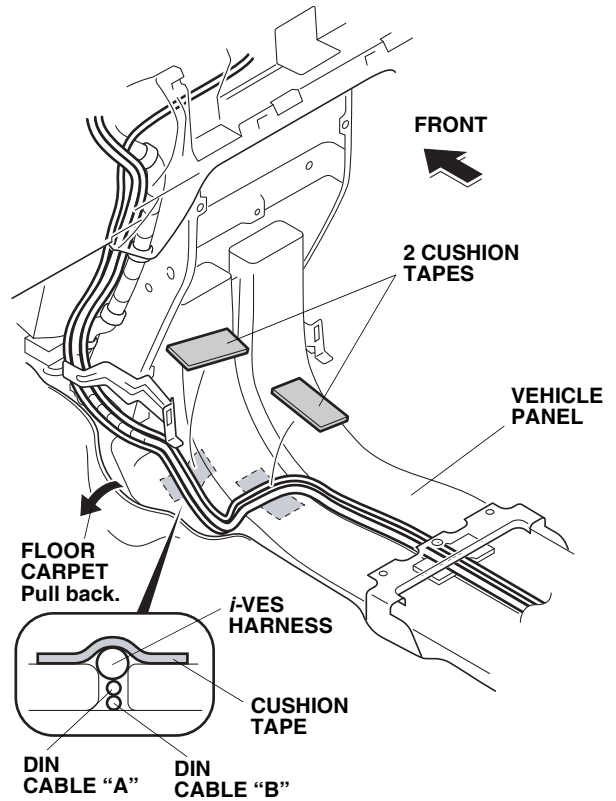
82. Using an isopropyl alcohol on a shop towel, clean the areas where the cushion tapes will attach. Lift the center console, and secure the *i*-VES harness and the DIN cables to the vehicle panel with two cushion tapes.



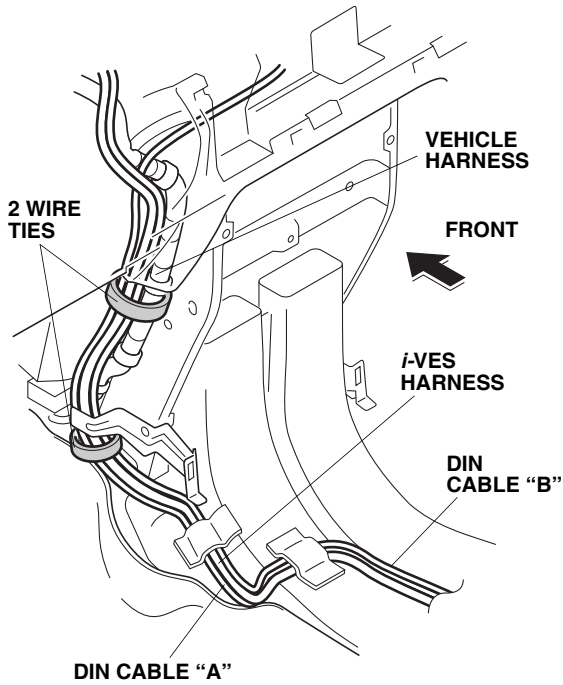
83. Reinstall the center console.

**If the vehicle connector at the audio unit opening is 20-pin, continue with step 84; if the vehicle connector is 24-pin connector, go to step 89.**

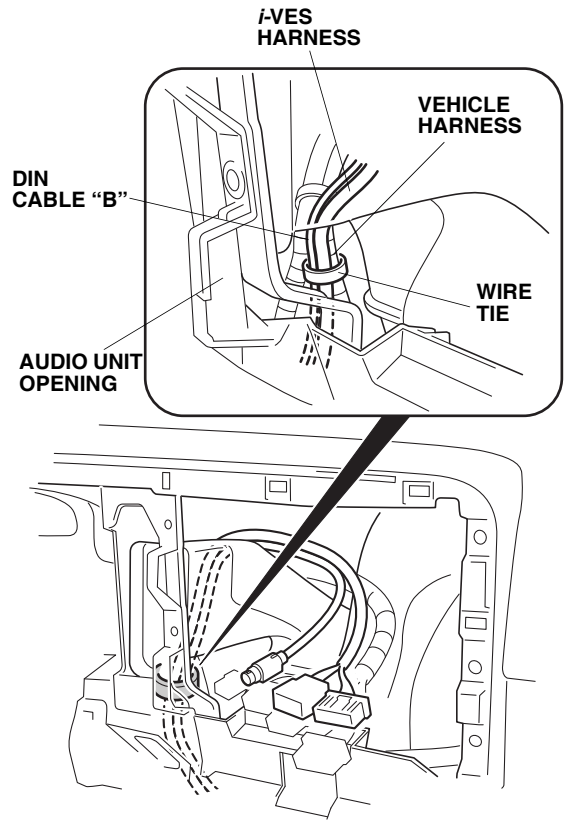
84. Pull back the floor carpet. Using isopropyl alcohol on a shop towel, clean the areas where the cushion tapes will attach. Secure the *i*-VES harness and the DIN cables to the vehicle panel with two cushion tapes.



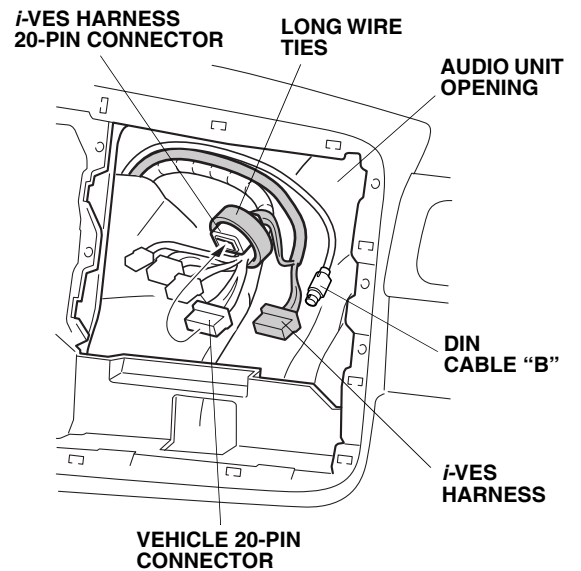
85. Secure the *i*-VES harness and the DIN cables to the vehicle harness with two wire ties.



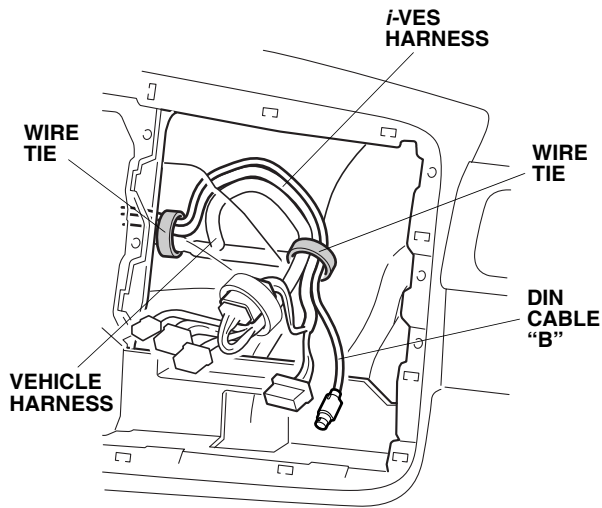
86. At the audio unit opening, secure the *i*-VES harness and the DIN cable "B" to the vehicle harness with one wire tie.



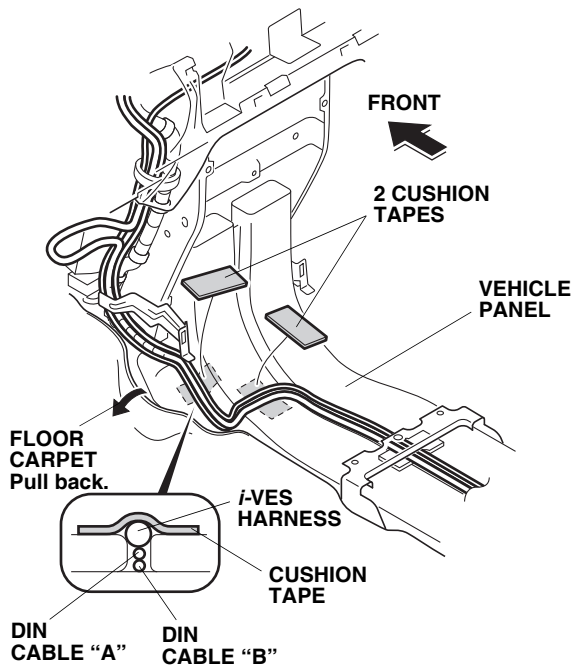
87. Plug the *i*-VES harness 20-pin connector into the vehicle 20-pin connector, and secure the 20-pin connectors with one long wire tie.



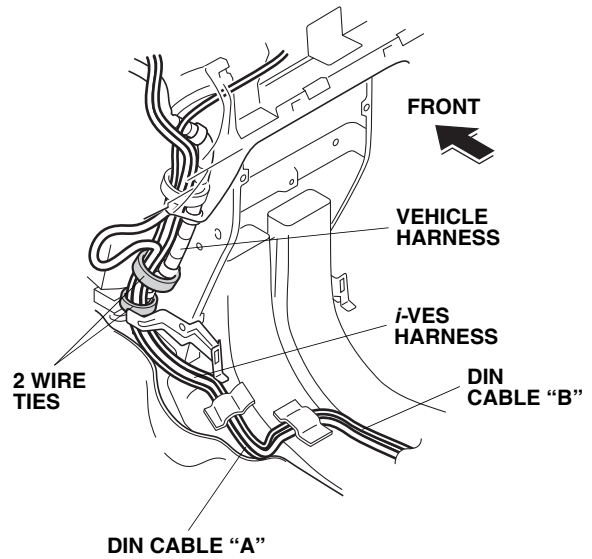
88. Secure the *i*-VES harness and the DIN cable "B" to the vehicle harness with two wire ties. Go to step 92.



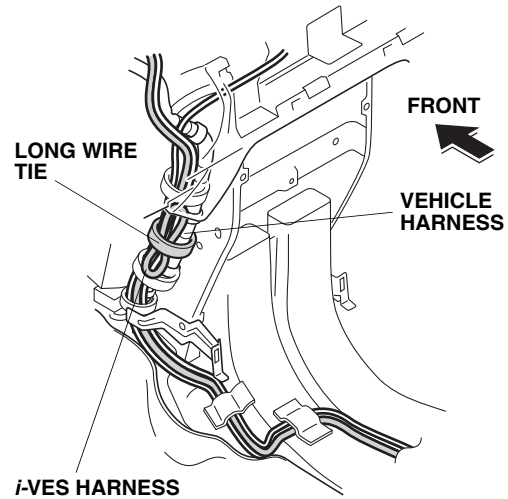
89. Pull back the floor carpet. Using isopropyl alcohol on a shop towel, clean the areas where the cushion tapes will attach. Secure the *i*-VES harness and the DIN cables to the vehicle panel with two cushion tapes.



90. Secure the *i*-VES harness and the DIN cables to the vehicle harness with two wire ties.

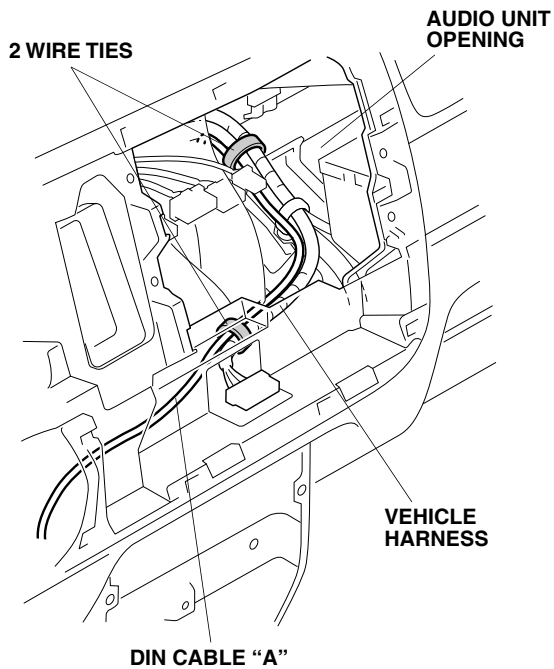


91. Bundle the excess *i*-VES harness, and secure it to the vehicle harness with one long wire tie.

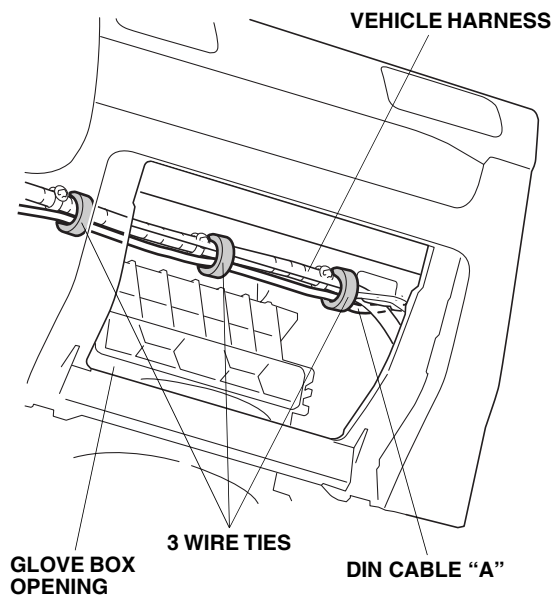




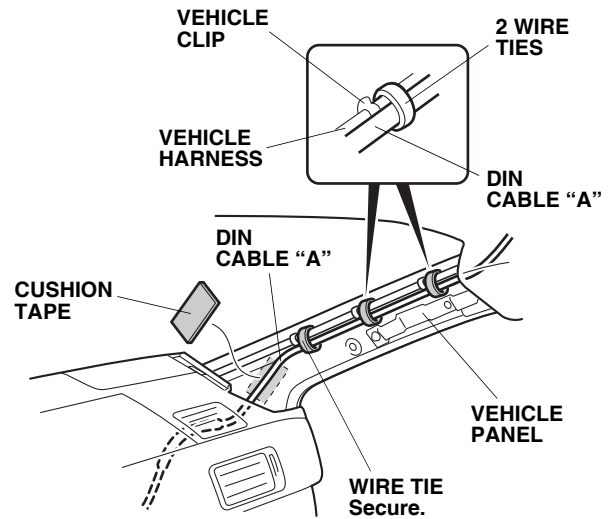
92. At the audio unit opening, secure the DIN cable "A" to the vehicle harness with two wire ties.



93. At the glove box opening, secure the DIN cable "A" to the vehicle harness with three wire ties.



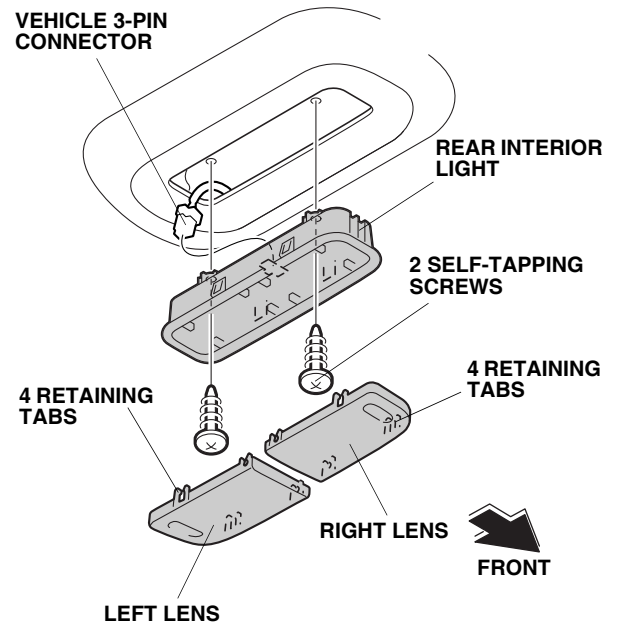
94. Using isopropyl alcohol on a shop towel, clean the area where the cushion tape will attach. Secure the DIN cable "A" to the vehicle panel with one cushion tape.



95. Secure the DIN cable "A" to the vehicle harness with two wire ties, and secure the wire tie loosely secured in step 45.

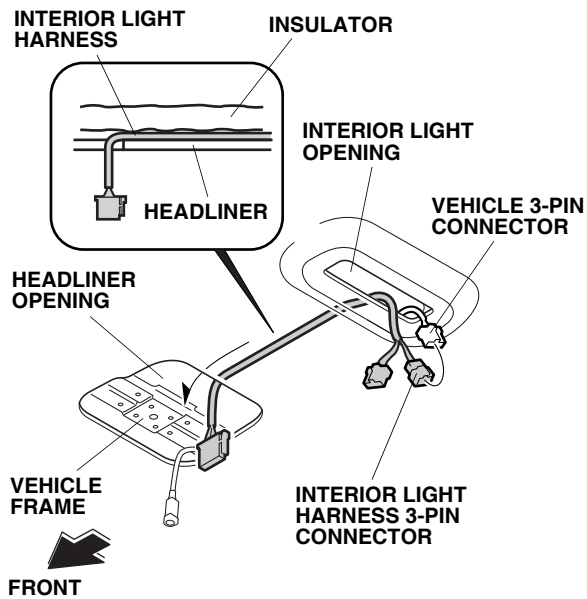
### Installing the Monitor Console

96. Remove the left and right lens (eight retaining tabs).



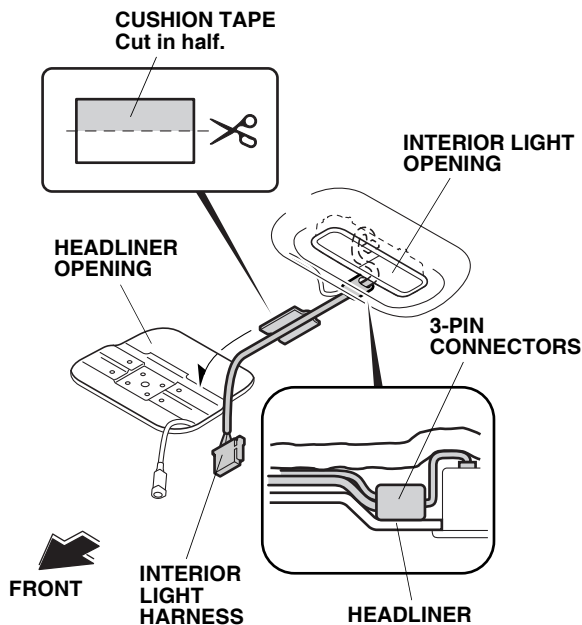
97. Remove the rear interior light (two self-tapping screws and unplug the vehicle 3-pin connector).

98. Route the interior light harness between the headliner and the insulator through the interior light opening, then route the interior light harness out the headliner opening.



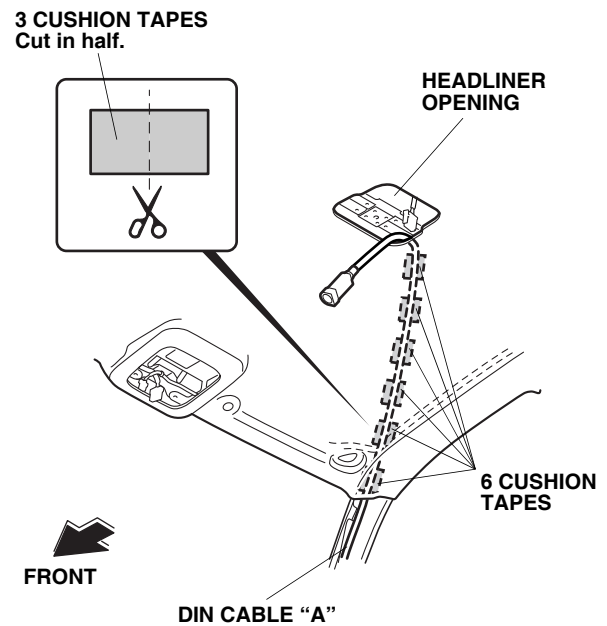
99. Plug the interior light harness 3-pin connector to the vehicle 3-pin connector.

100. Using isopropyl alcohol on a shop towel, clean the area where the cushion tape will attach. Using a scissors, cut one cushion tape in half. Secure the interior light harness to the headliner with one piece of cushion tape.

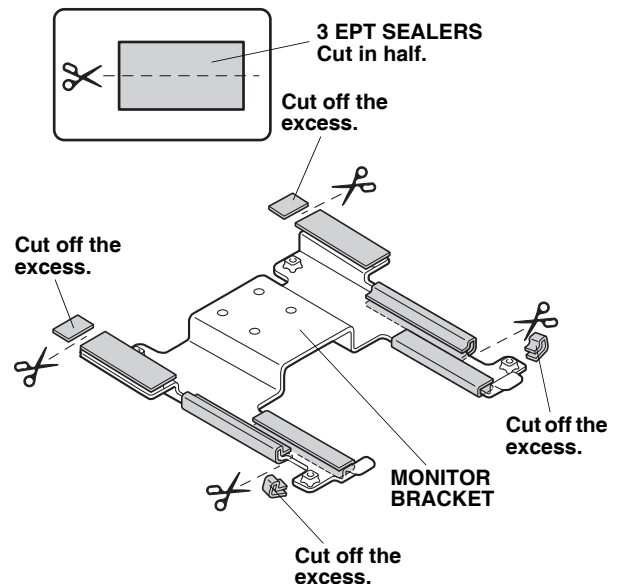


101. Position the 3-pin connectors in the cavity in the headliner. Reinstall the rear interior light.

102. Using isopropyl alcohol on a shop towel, clean the areas where the cushion tapes will attach. Using a scissors, cut three cushion tapes in half. Secure the DIN cable "A" to the headliner with six pieces of cushion tape.

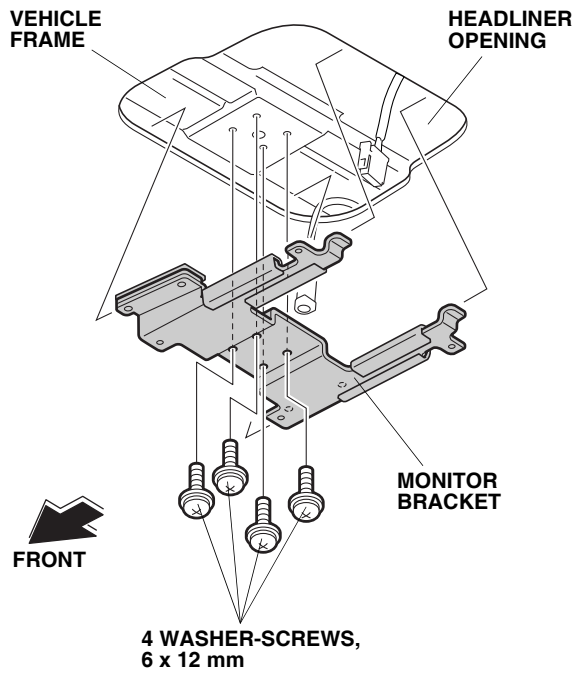


103. Using isopropyl alcohol on a shop towel, clean the areas where the EPT sealers will attach. Using a scissors, cut three EPT sealers in half. Attach six pieces of EPT sealers to the monitor bracket in the areas shown. Cut off the excess of the EPT sealers.

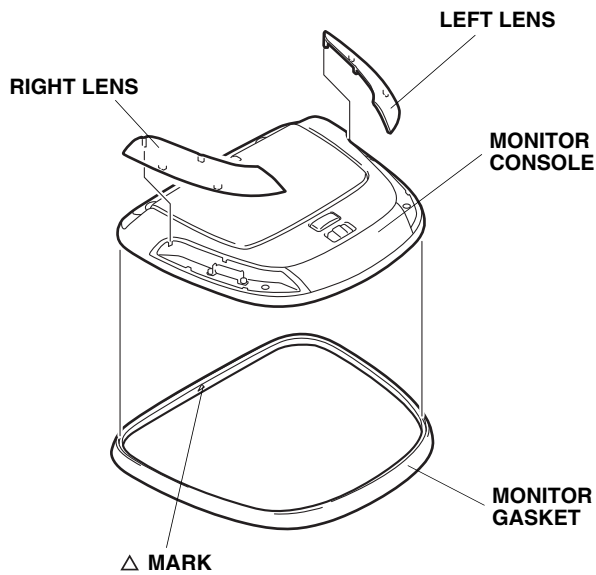




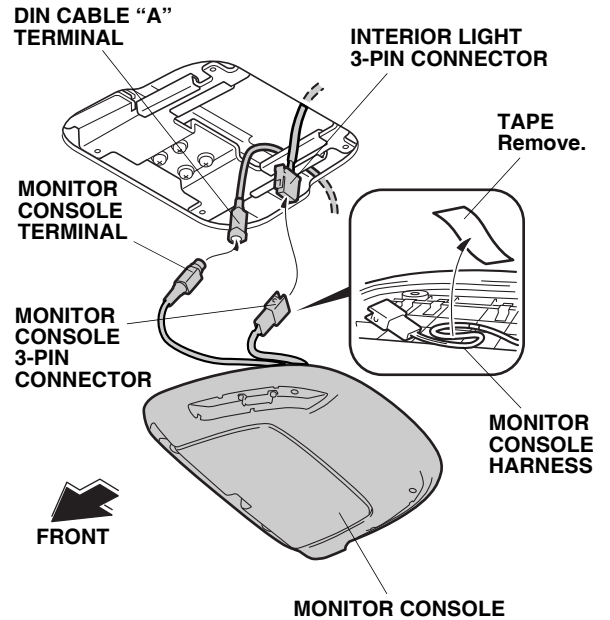
104. Secure the monitor bracket to the vehicle frame with four 6 x 12 mm washer-screws.



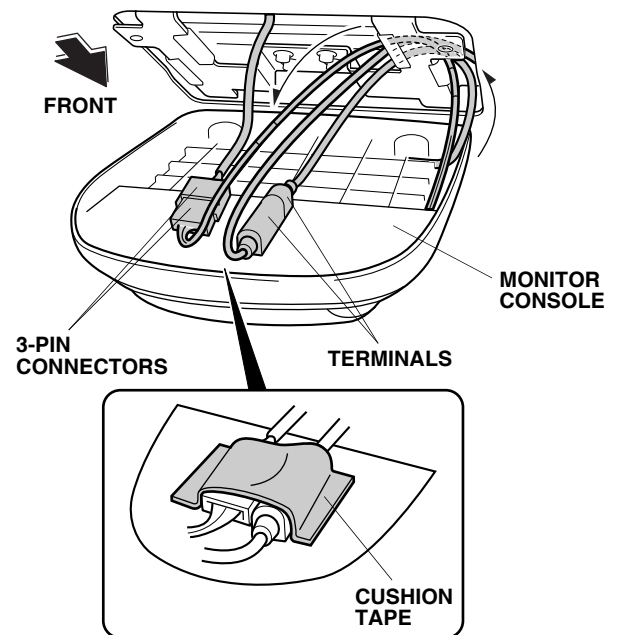
105. Remove the left and right lenses from the monitor console, then install the monitor gasket to the console while aligning the  $\Delta$  mark of the monitor gasket with the  $\Delta$  mark of the monitor console.



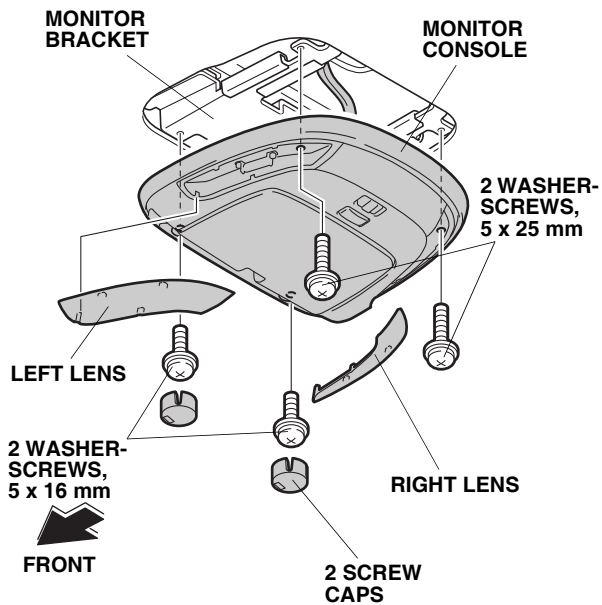
106. Remove the tape securing the 3-pin connector to the monitor console. Plug the interior light 3-pin connector and the DIN cable "A" terminal to the monitor console 3-pin connector and the monitor console terminal.



107. Using isopropyl alcohol on a shop towel, clean the area where the cushion tape will attach. While holding the monitor console, secure the 3-pin connectors and the terminals to the monitor console with one cushion tape.



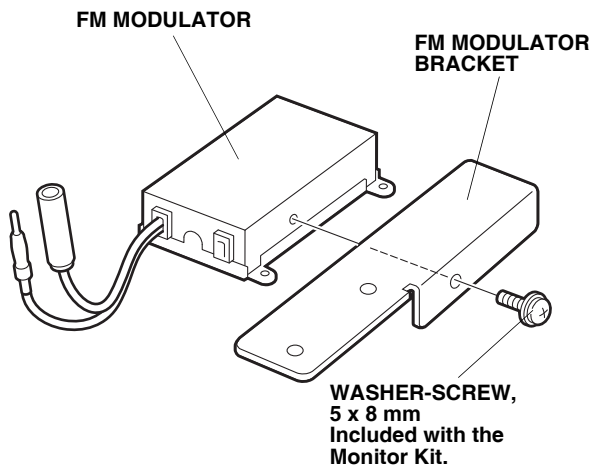
108. Position the monitor console on the monitor bracket, and install the monitor console to the monitor bracket with two 5 x 16 mm washer-screws and two 5 x 25 mm washer-screws. Do not pinch the DIN cable "A" between the monitor console and the monitor bracket.



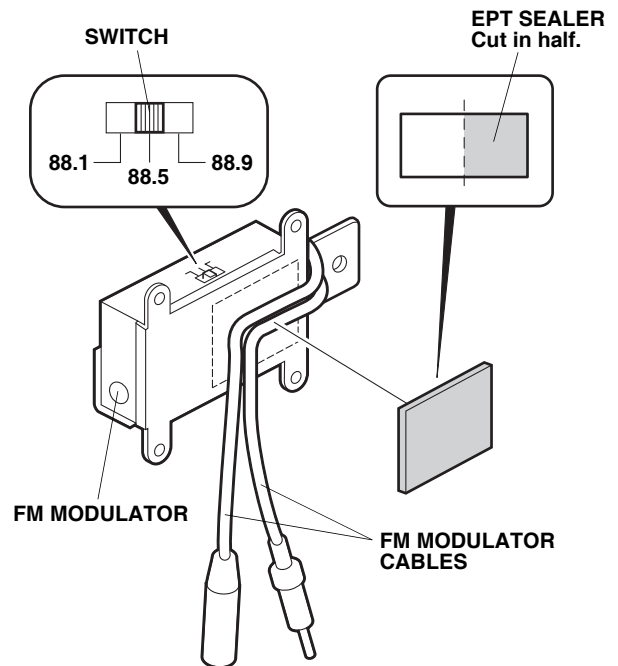
109. Install two screw caps, then reinstall the left and right lenses.

### Installing the FM Modulator

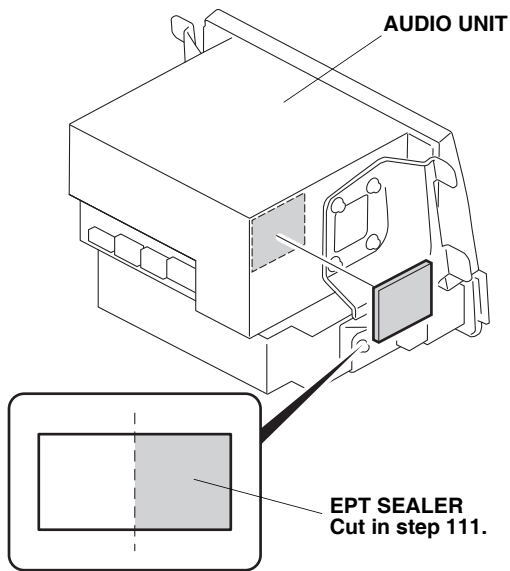
110. Secure the FM modulator bracket to the FM modulator with one 5 x 8 mm washer-screw included with the Monitor Kit.



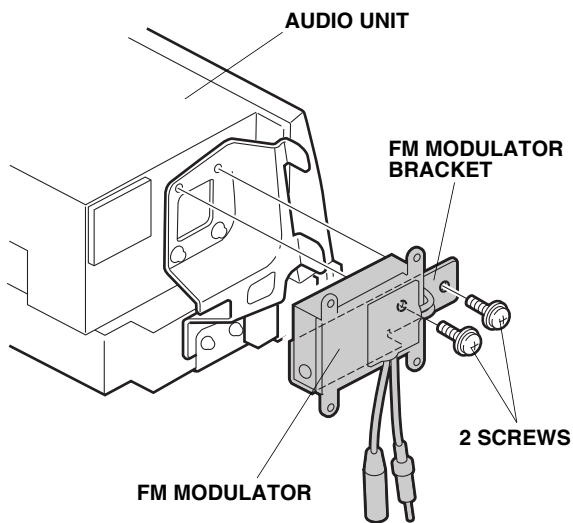
111. Set the FM modulator switch at 88.5. Using isopropyl alcohol on a shop towel, clean the area where the EPT sealer will attach. Using scissors, cut one EPT sealer in half. Secure the FM modulator cables to the FM modulator with one piece of EPT sealer.



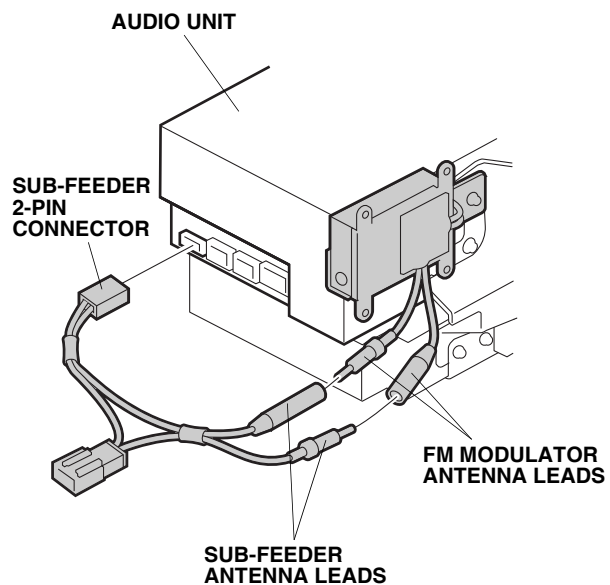
112. Using isopropyl alcohol on a shop towel, clean the area where the EPT sealer will attach. Attach one half EPT sealer cut in step 111 to the audio unit.



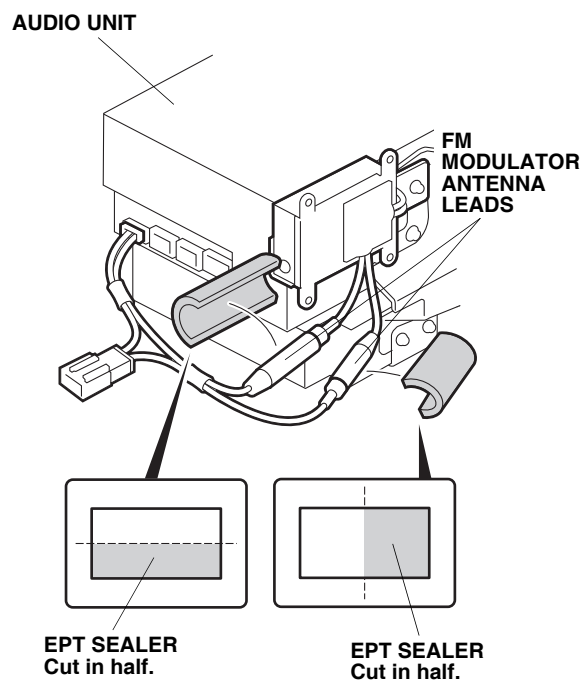
113. Remove two screws from the audio unit. Secure the FM modulator bracket to the audio unit with the two screws you removed.



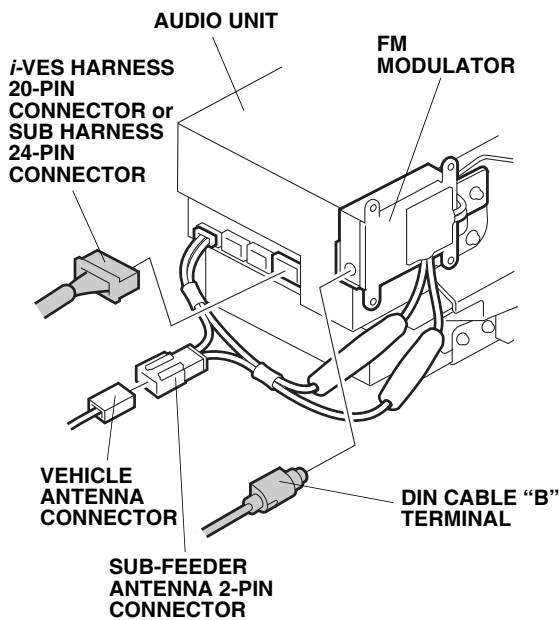
114. Plug the sub-feeder antenna leads to the FM modulator antenna leads. Plug the sub-feeder 2-pin connector into the audio unit.



115. Using scissors, cut two EPT sealers in half as shown. Wrap two pieces of EPT sealers around the FM modulator antenna leads as shown.

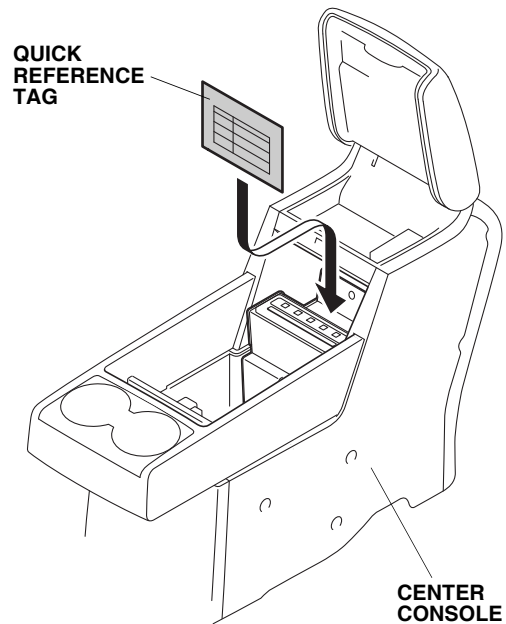


116. Plug the vehicle antenna connector to the sub-feeder antenna 2-pin connector.



117. Plug the DIN cable "B" terminal into the FM modulator.
118. Plug the *i-VES* harness 20-pin connector or sub harness 24-pin connector into the audio unit.
119. Reinstall the audio unit.

120. Store the Quick Reference Tag in the center console.



121. Check that all wire harnesses are routed properly and all connectors are plugged in.
122. Reconnect the negative cable to the battery.
123. Enter the customer's radio anti-theft code, and reset the radio station presets.
124. Reset the clock, and reset the radio station presets.
125. Check the operation of the in-vehicle entertainment system according to the User's Information Manual.
126. Put the User's Information Manual in the glove box.
127. Reinstall all removed parts.
- NOTE:** Torque the seat belt anchor bolts to 30 to 35 N·m (22 to 25 lbf·ft).
128. Initialize and test the front window auto up/down function.