



INSTALLATION INSTRUCTIONS

Accessory
HEADREST SPEAKER SYSTEM

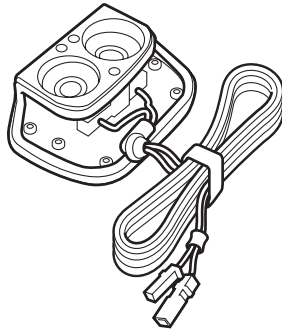
Application
2004-2005 S2000

Publications No.
All 27618
Issue Date
AUG 2004

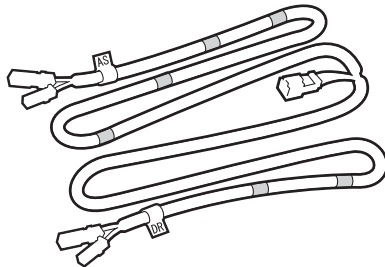
NOTE: This Headrest Speaker System will *not* fit 2000 thru '03 model vehicles.

PARTS LIST Headrest Speaker System P/N 08A54-S2A-100

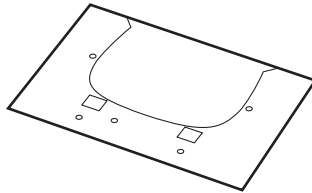
2 Headrest speakers



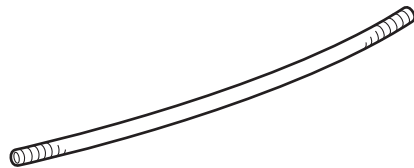
Speaker harness



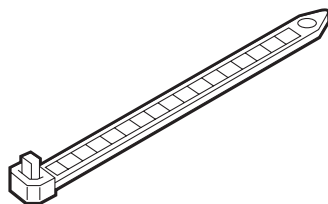
Template



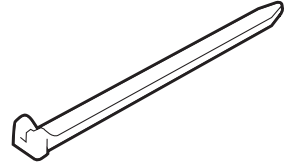
2 Corrugated tubes



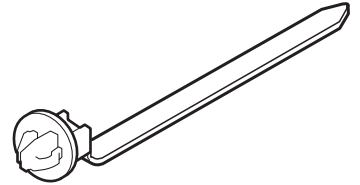
17 Wire ties
(3 not used)



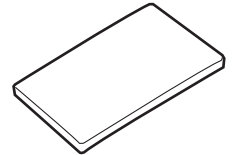
3 Small wire ties



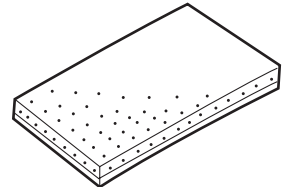
9 Wire ties with clip
(2 not used)



4 Cushion tapes



4 EPT sealers



8 Self-tapping screws, 4 x 10 mm



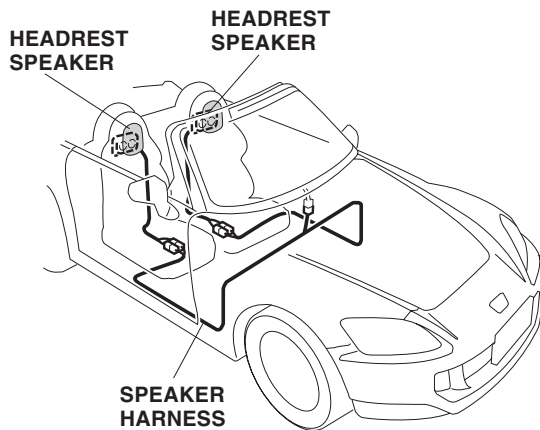
Harness clip



TOOLS AND SUPPLIES REQUIRED

Phillips screwdriver
Flat-tip screwdriver
Diagonal cutters
Ratchet
10 mm, 12 mm, and 14 mm Sockets
10 mm Combination wrench
Utility knife
Drill
3 mm, 5 mm, and 10 mm Drill bits
Felt-tip pen
Vinyl tape
Pushpin
Blanket or cardboard
File
Scissors
Piece of steel wire (about 100 cm long)
Isopropyl alcohol
Shop towel

Illustration of the Headrest Speakers installed on the Vehicle

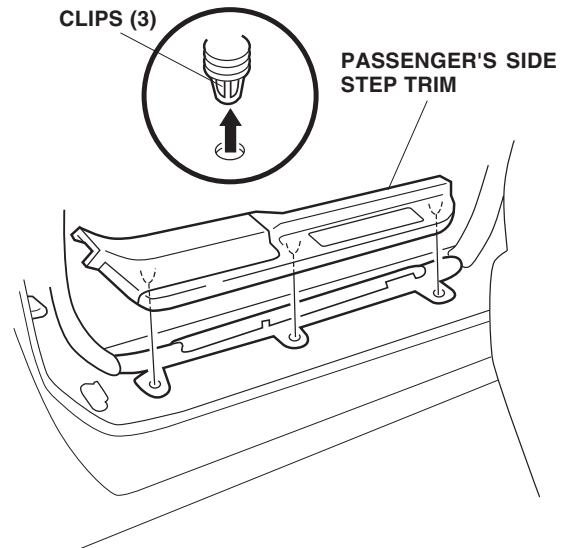


INSTALLATION

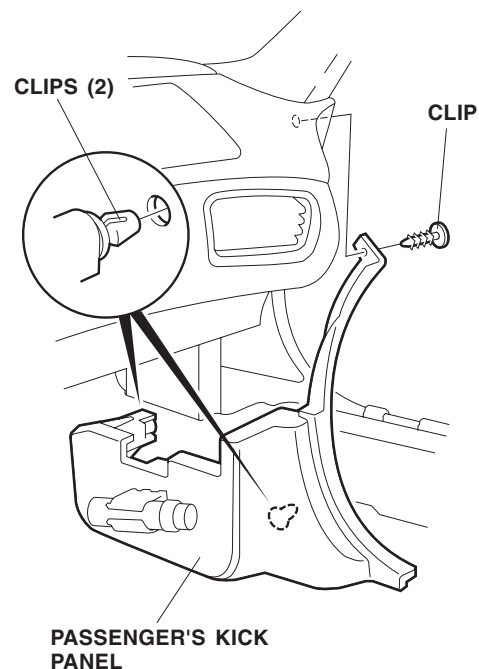
Customer Information: The information in this Installation Instruction is intended for use only by skilled technicians who have the proper tools, equipment, and training to correctly and safely add equipment to your vehicle. These procedures should not be attempted by “do-it-yourselfers.”

NOTE: These instructions show the driver’s side headrest speaker being installed. The same procedure applies to installing the passenger’s side headrest speaker.

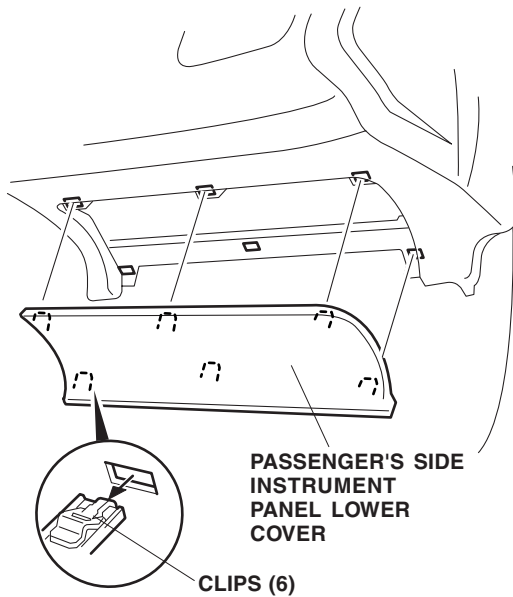
1. Make sure you have the anti-theft code for the radio, then write down the radio station presets.
2. Disconnect the negative cable from the battery.
3. Using a flat-tip screwdriver, pry up on the three clips, and remove the passenger’s side step trim.



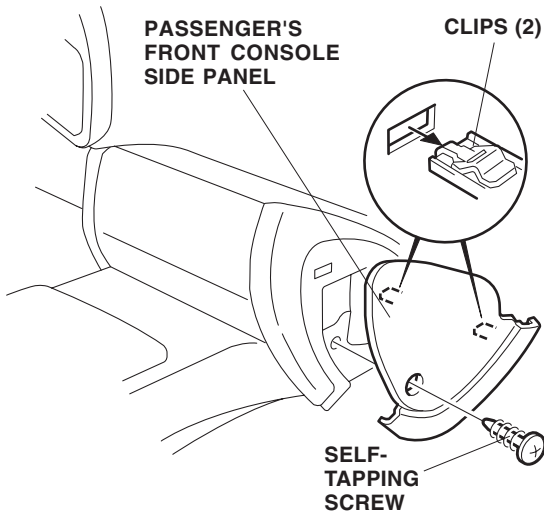
4. Remove the passenger's kick panel (three clips).



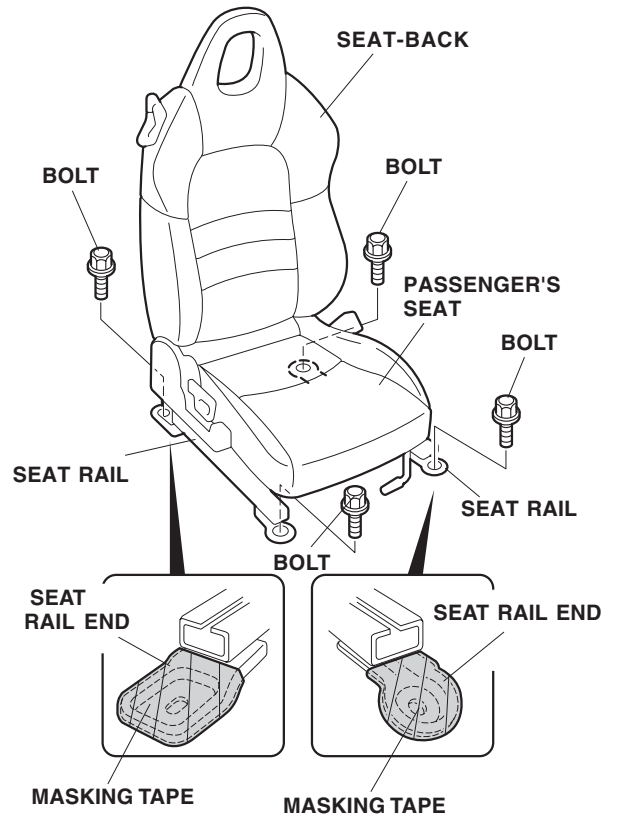
5. Pry up on the six clips, and remove the passenger's side instrument panel lower cover.



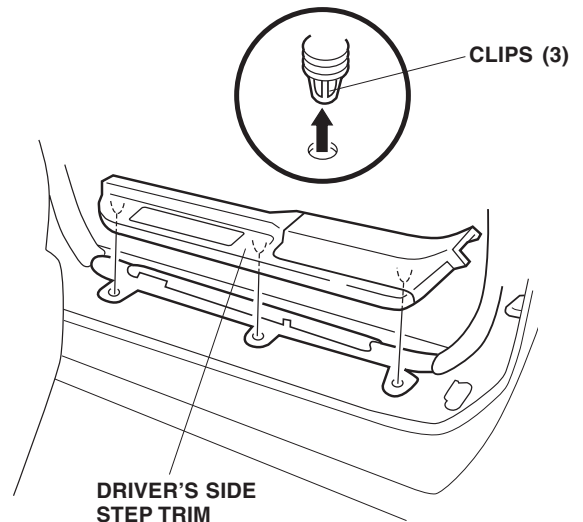
6. Remove the passenger's front console side panel (one self-tapping screw and two clips).



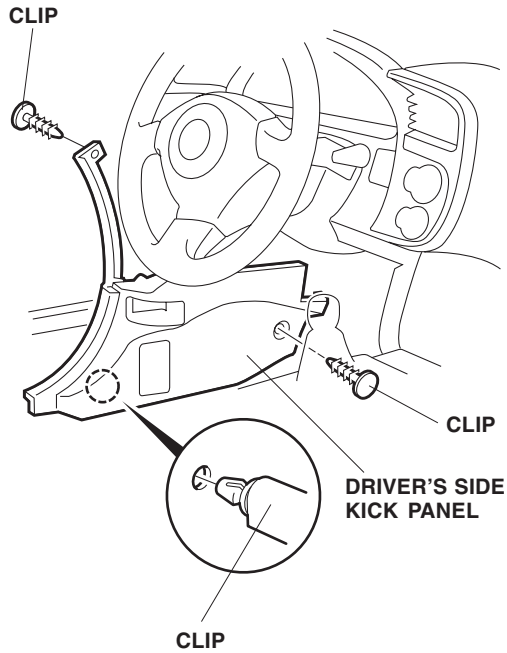
7. Remove the two bolts that secure the front passenger's seat rails, and then tilt the seat-back forward. Slide the seat forward, and then remove the two rear seat bolts from the seat rails.



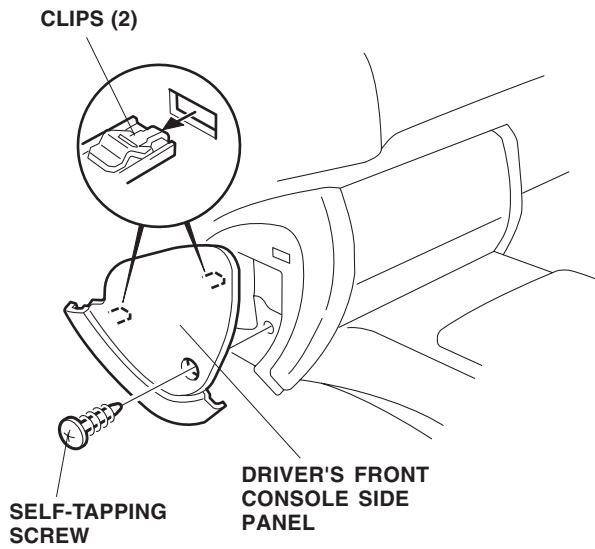
8. To prevent scratching the seat rails, wrap masking tape around the front and rear seat rail ends.
9. Remove the passenger's seat from the vehicle. To prevent damage, put the seat on a blanket or a large piece of cardboard.
10. Pry up on the three clips, and remove the driver's side step trim.



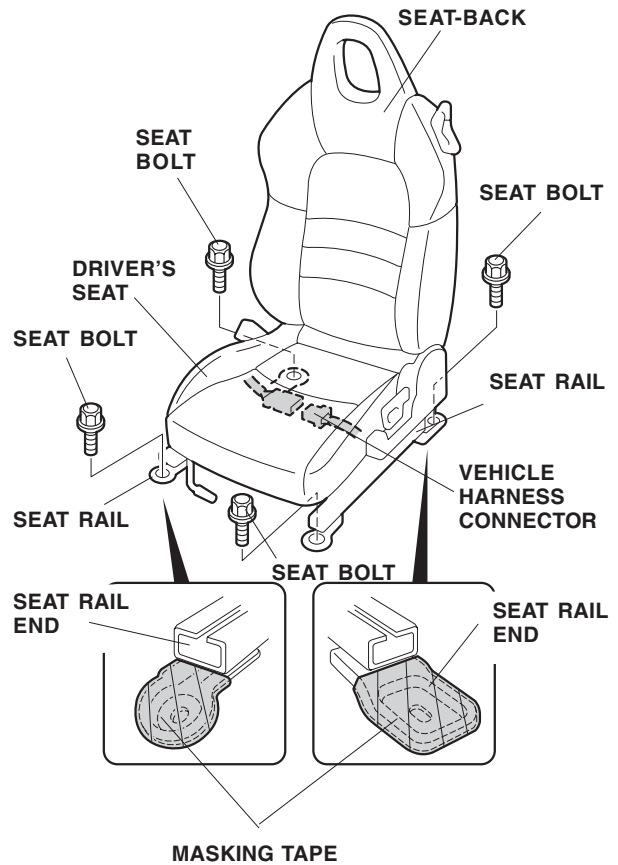
11. Remove the driver's side kick panel (three clips).



12. Remove the driver's front console side panel (one self-tapping screw and two clips).



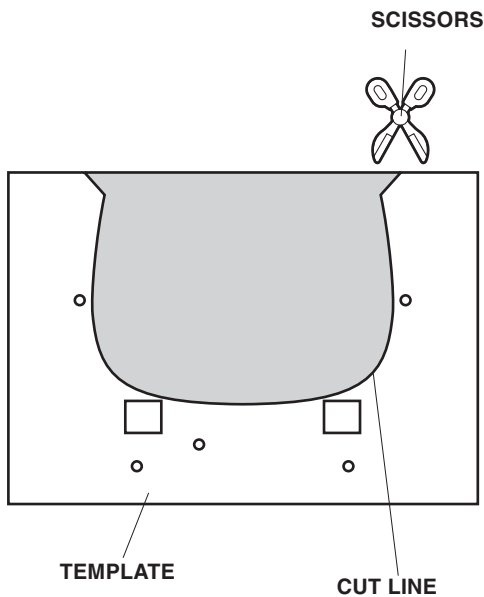
13. Remove the two bolts that secure the driver's seat rails, and tilt the seat-back forward. Slide the seat forward, and then remove the two bolts from the rear seat rails.



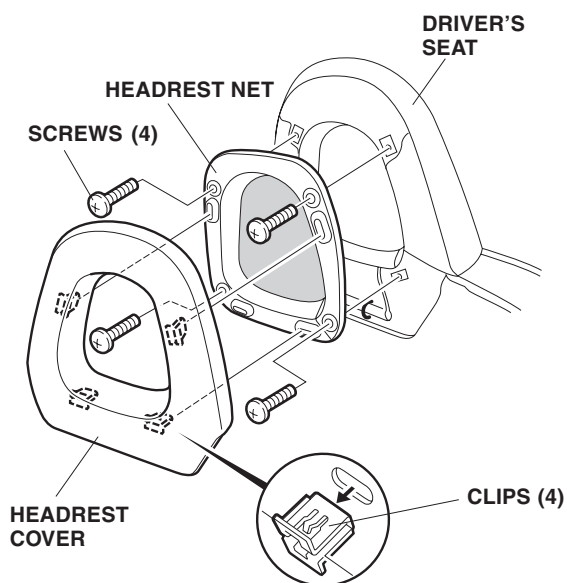
14. To prevent scratching the seat rails, wrap masking tape around the front and rear seat rail ends.

15. Behind the driver's seat, unplug the seat connectors. Remove the seat from the vehicle. Be careful not to damage the vehicle with the seat rails. To prevent damage, place the seat on a blanket or a large piece of cardboard.

16. Get the template from the kit. Using scissors, cut out the marked area from the template, as shown.

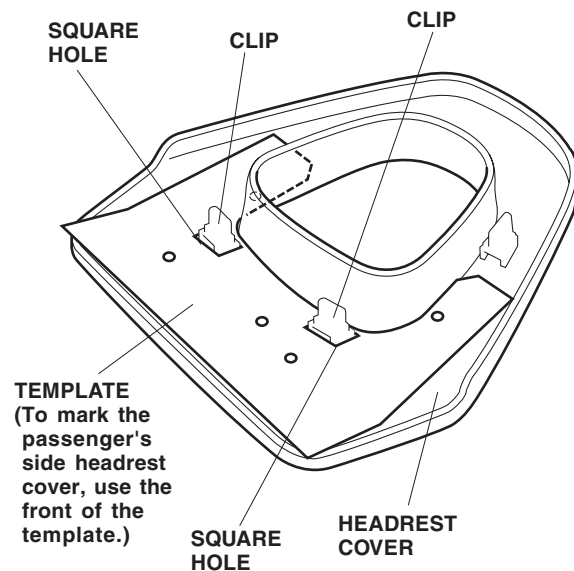


17. Pry up on the four clips, and remove the headrest cover from the driver's seat.

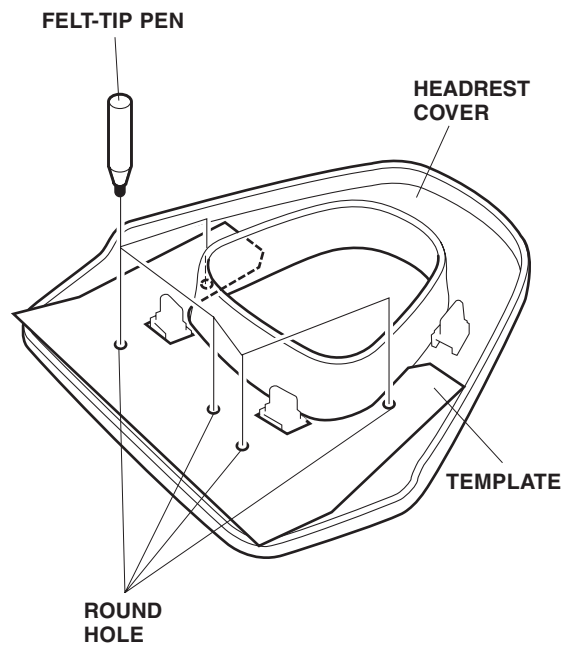


18. Remove the four screws that fasten the headrest net to the driver's seat, and remove the headrest net.

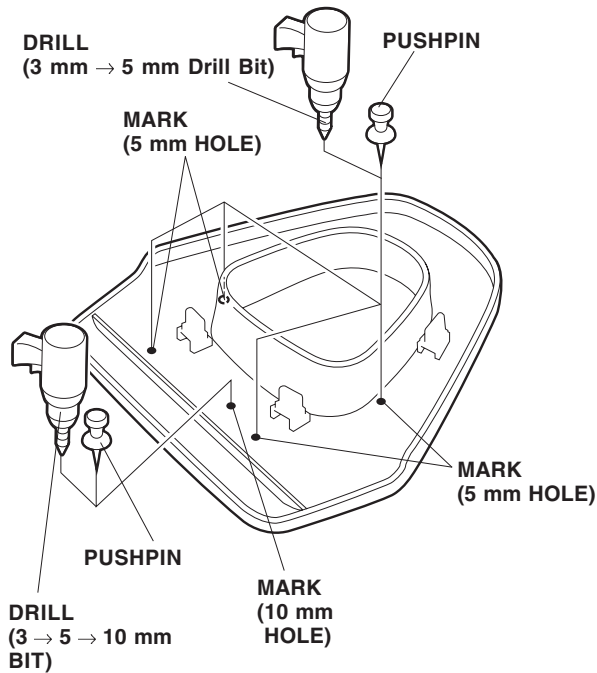
19. Turn the template upside down, and place it on the inside of the headrest cover. Align the two square holes with the clips on the headrest cover.



20. While holding the template firmly against the headrest cover, mark the cover at each of the five round holes in the template with a felt-tip pen.



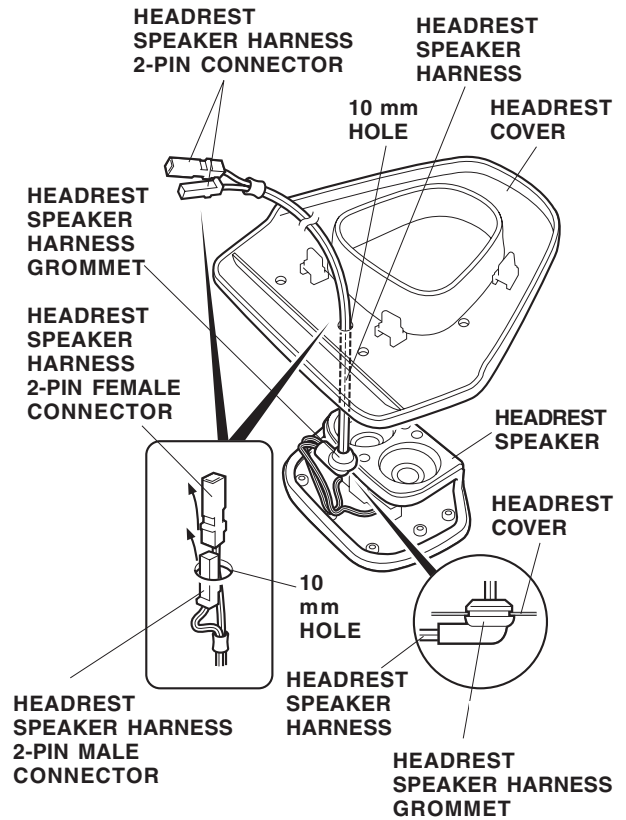
- Remove the template from the headrest cover. Using a pushpin, make a hole through the headrest cover at each of the five marks you just made.



- While wearing eye protection, drill one 10 mm hole and four 5 mm holes through at marked locations. First, drill with a 3 mm drill bit, then a 5 mm drill bit for the four 5 mm holes. To drill the 10 mm hole, first drill with a 3 mm drill bit, then with a 5 mm drill bit, and finish with a 10 mm drill bit.
- Remove any burrs from the edges of the holes with a file.
- Turn the template over, and repeat steps 17 through 23 to drill the passenger's headrest.

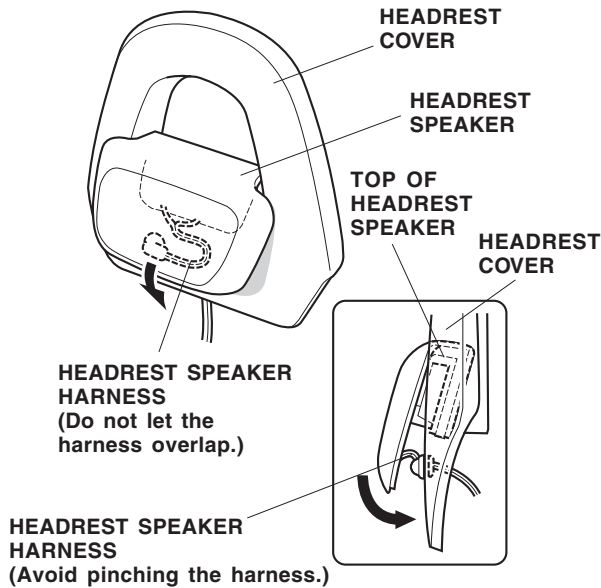
Installing the Headrest Speakers

- With the female connector first, route the 2-pin female and male connectors up through the 10 mm hole you made in step 22.

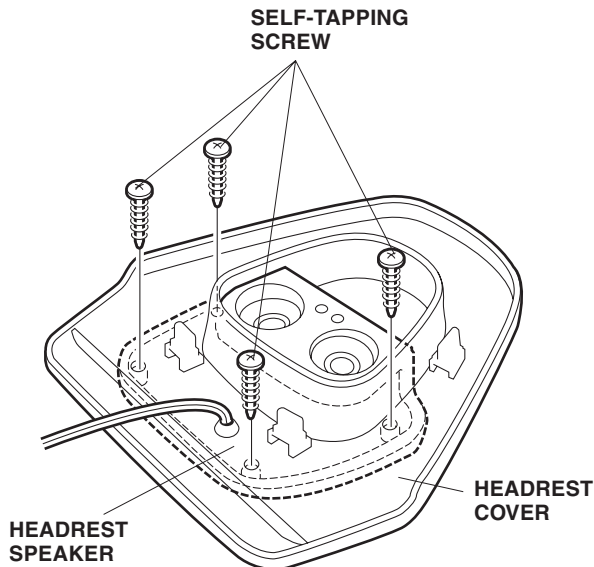


- Seat the grommet in the 10 mm hole on the headrest speaker harness as shown.

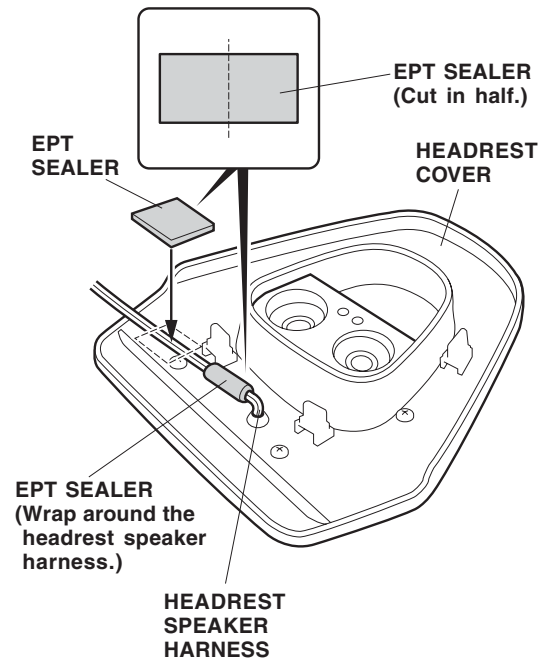
27. Make sure the headrest speaker harness is flat and straight under the headrest speaker.



28. Fit the top of the headrest speaker to the headrest cover, then push the bottom into position. Make sure the speaker harness is not pinched.
29. Secure the headrest speaker to the headrest cover with the four self-tapping screws.



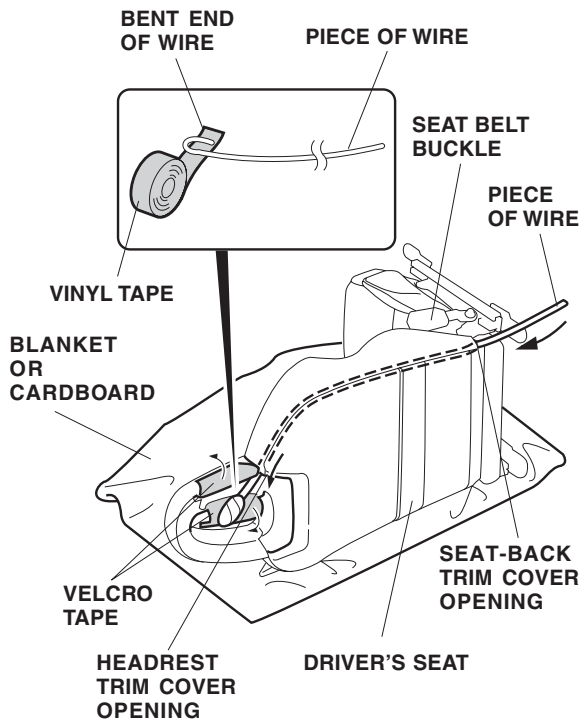
30. Using scissors, cut one EPT sealer in half.



31. Using isopropyl alcohol on a shop towel, clean the areas where the EPT sealers will attach.
32. Wrap one cut piece of EPT sealer around the speaker harness.
33. Route the headrest speaker harness to the left of the headrest cover, and secure the harness to the headrest cover with the remaining piece of EPT sealer.
34. Repeat steps 25 thru 33 to install the headrest speaker on the passenger's seat.

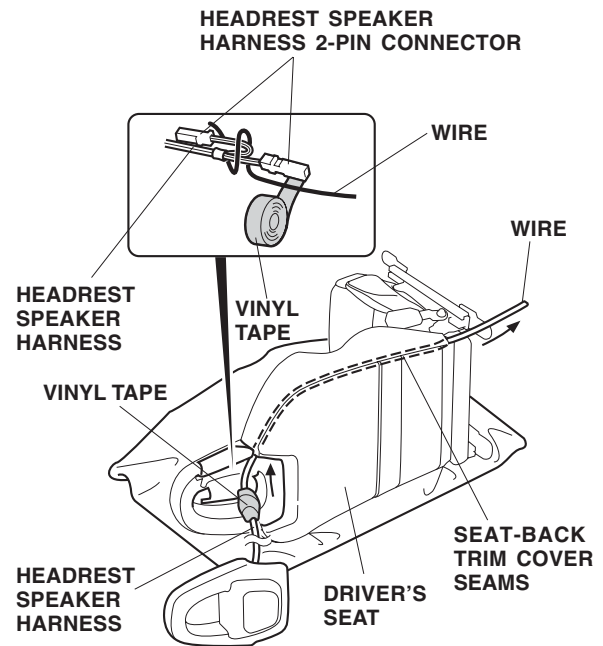
Routing the Headrest Speaker Harnesses

35. With the driver's seat on its side and the seat belt buckle facing up, remove the Velcro tape from the headrest trim cover.



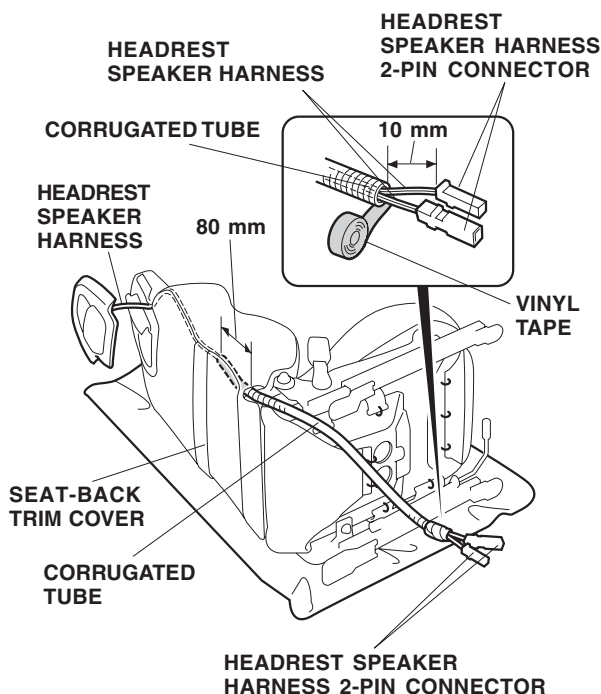
36. Get a piece of wire, and bend one end in a U-shape. Wrap the bent end of the wire with vinyl tape.
37. Route the bent end of the wire through the opening in the seat-back trim cover under the driver's seat and through the opening in the headrest trim cover. Make sure not to damage the seat.

38. Remove the vinyl tape from the wire, and attach the headrest speaker 2-pin connector harness to the wire and headrest speaker harness using vinyl tape.

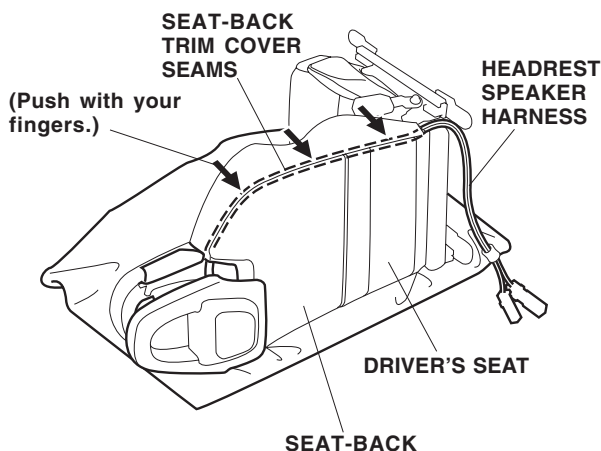


39. Slowly pull the wire with the 2-pin connector down through the driver's seat and along the seams of the seat-back trim cover.
40. Remove the headrest speaker harness 2-pin connector from the wire.

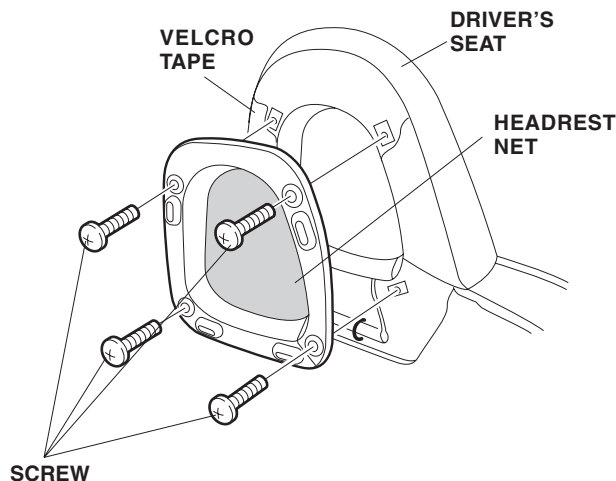
41. Wrap one corrugated tube around the headrest speaker harness.



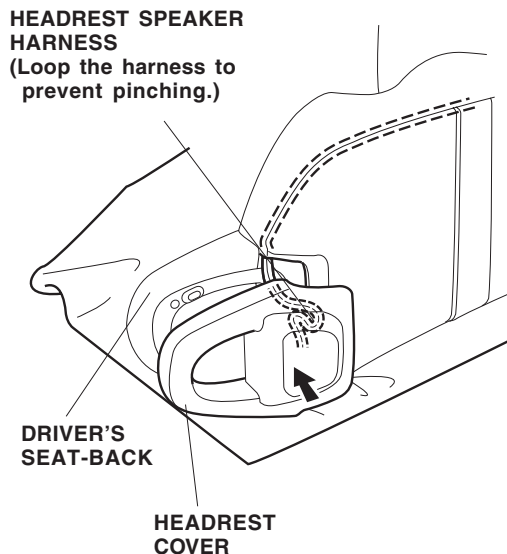
42. Continue wrapping the corrugated tube up to a point about 10 mm away from the end of the 2-pin connector. Secure the end of the corrugated tube to the headrest speaker harness with vinyl tape.
43. Feed 80 mm of the corrugated tube under the seat-back trim cover, as shown.
44. Push the headrest speaker harness into the seams of the seat-back trim cover with your fingers, until the harness is not noticeable.



45. Reattach the Velcro tapes to the headrest trim cover, then attach the headrest net to the driver's seat with the four screws.



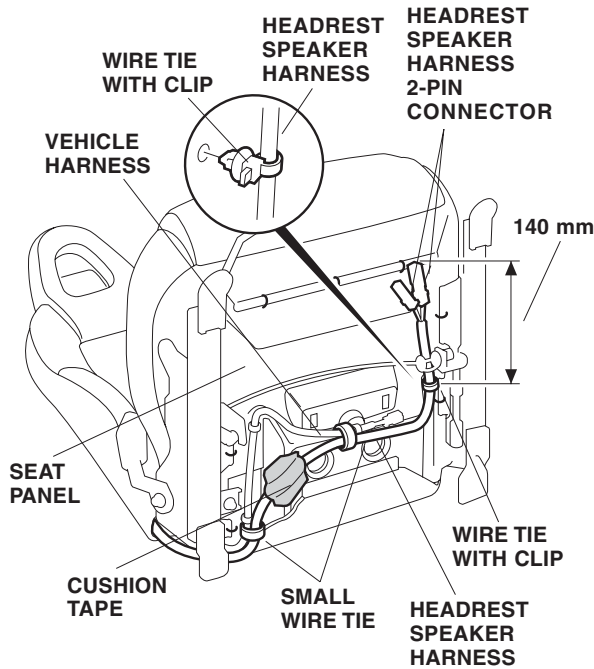
46. Loop the excess headrest speaker harness, and reinstall the headrest cover. Do not pinch the headrest speaker harness between the headrest cover and the driver's seat-back.



47. Repeat steps 35 thru 46 to route the headrest speaker wire on the passenger's seat.

Secure the Headrest Speaker Harness - Driver's Seat

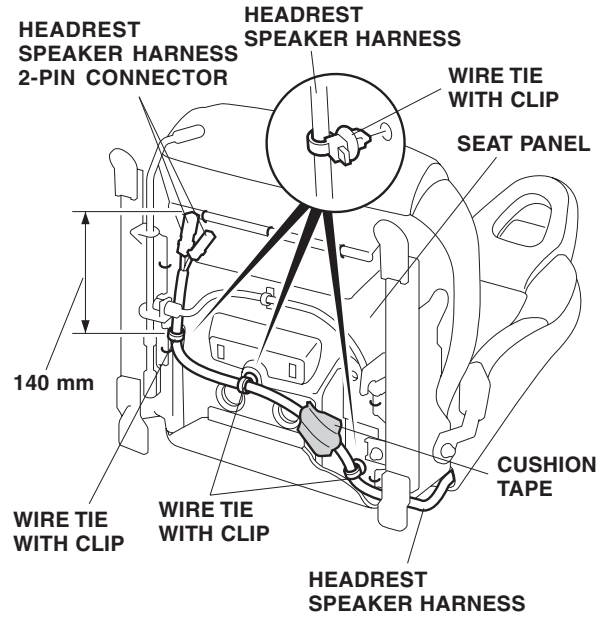
48. Route the headrest speaker harness around the back of the seat, and attach the wire tie with clip to the harness 140 mm away from the end of the 2-pin connector. Push the clip from the wire tie with clip into the hole in the seat panel.



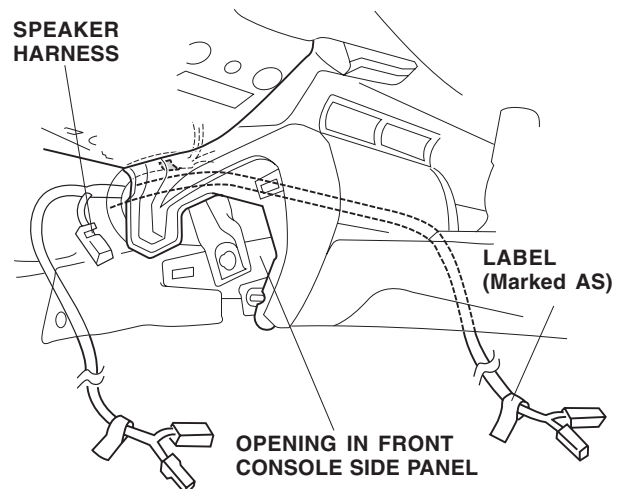
49. Secure the headrest speaker harness to the vehicle harness with two small wire ties in the areas shown.
50. Using isopropyl alcohol on a shop towel, clean the area where the cushion tape will attach, then secure the headrest speaker harness to the seat panel with one cushion tape.

Secure the Headrest Speaker Harness - Passenger's Seat

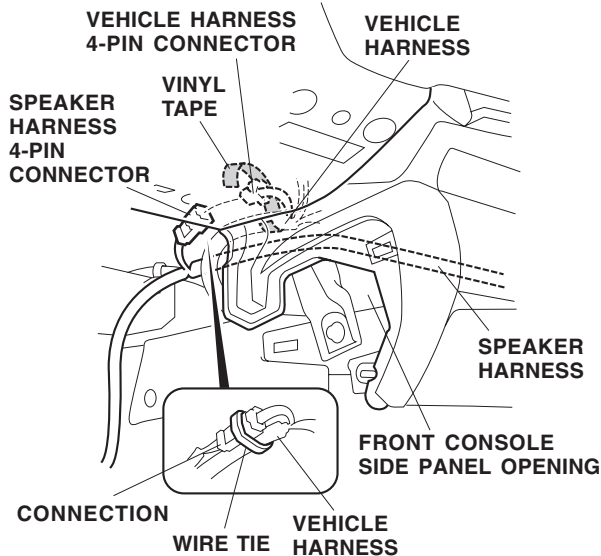
51. Route the headrest speaker harness along the bottom of the seat as shown, and attach the wire tie with clip to the harness 140 mm away from the 2-pin connector. Push the clip from the wire tie with clip into the hole in the seat panel.



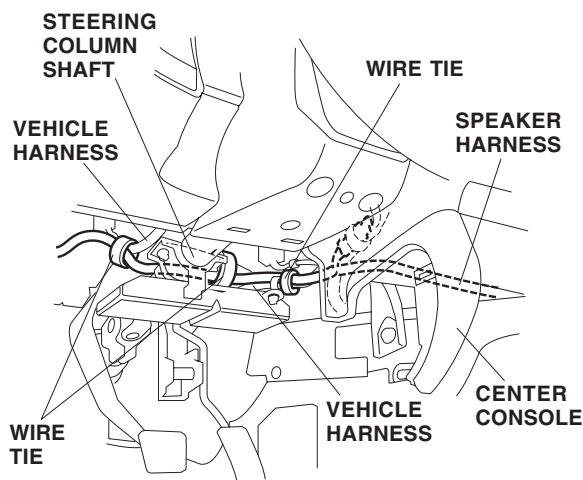
52. Using isopropyl alcohol on a shop towel, clean the area where the cushion tape will attach.
53. Secure the headrest speaker harness to the seat panel with the two wire ties with clip and one cushion tape in the areas shown.
54. Route the label end of the speaker harness (marked AS) to the passenger's seat through the opening in the front console side panel.



- Above the opening in the driver's side front console side panel, locate the 4-pin connector taped to the vehicle harness, and loosen the end of the vinyl tape to free the 4-pin connector.

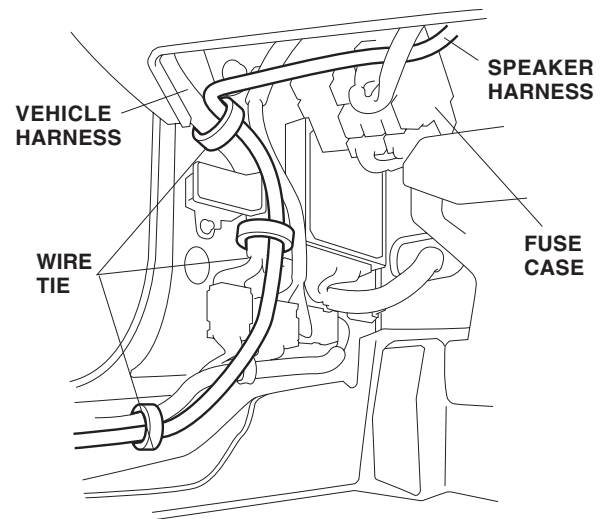


- Plug the speaker harness 4-pin connector into the vehicle harness 4-pin connector you just unplugged.
- Secure the 4-pin connectors with one wire tie to the same location it was secured with the vinyl tape.
- At the center console, route the label end of the speaker harness (marked DR) above the steering column shaft and along the vehicle harness.

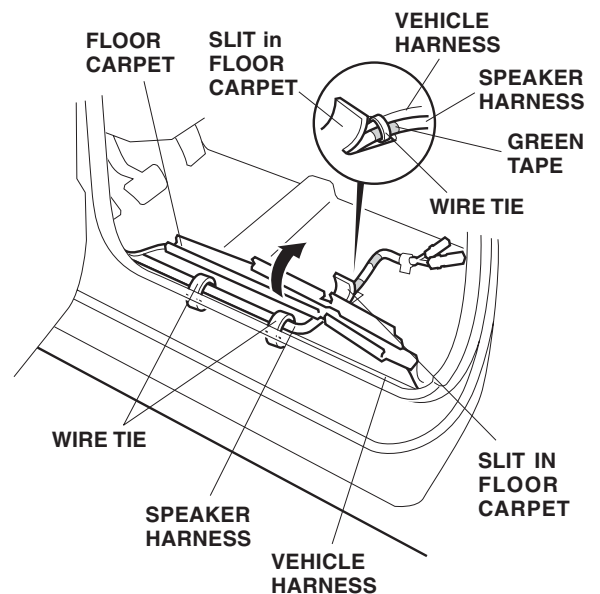


- Secure the speaker harness to the vehicle harness with the three wire ties in the areas shown.

- Route the speaker harness above the fuse case and back along the vehicle harness.

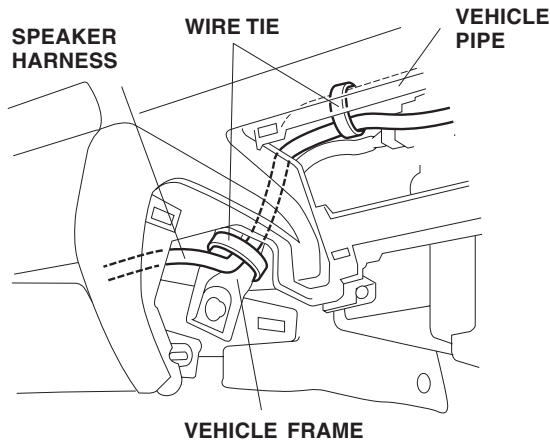


- Secure the speaker harness to the vehicle harness with three wire ties in the areas shown.
- On the driver's side, turn over the floor carpet, and route the speaker harness along the vehicle harness and out through the slit in the floor carpet.

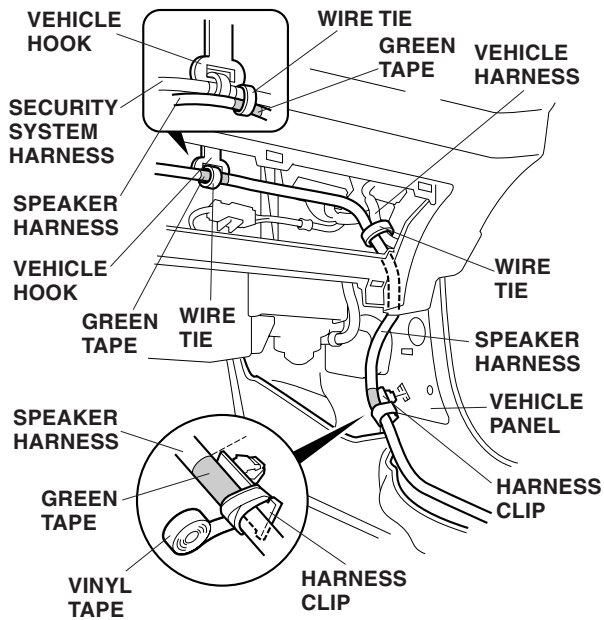


- Align the green tape on the speaker harness with the slit in the floor carpet, and secure the harness to the vehicle harness with three wire ties in the areas shown.

64. Route the speaker harness from the passenger's side along the vehicle pipe. Secure the harness to the vehicle frame and to the vehicle pipe with two wire ties in the areas shown.

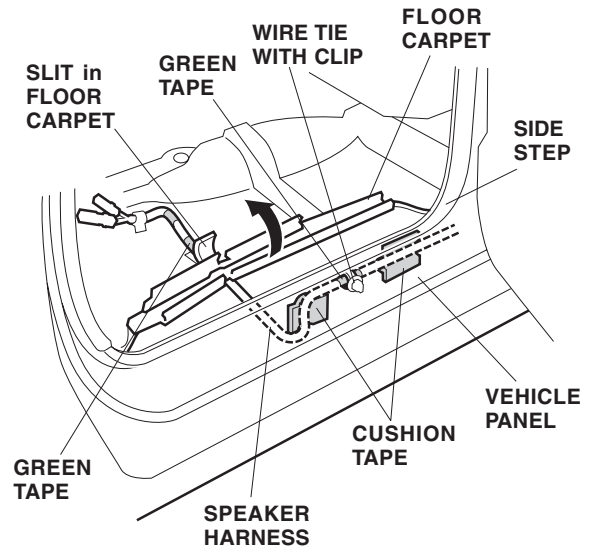


65. Align the green tape on the speaker harness with the vehicle hook, and secure the harness to the vehicle hook and to the vehicle harness with two wire ties in the areas shown. If the vehicle is equipped with a security system, secure the speaker harness to the security system harness.



66. Align the harness clip with the green tape on the speaker harness, and secure the harness clip to the speaker harness with vinyl tape.
67. Push the harness clip attached to the speaker harness into the hole in the vehicle panel.

68. On the passenger's side, turn over the floor carpet, route the speaker harness back along the side step, pull the harness out through the slit in the floor carpet, and align the green tape with the slit in the floor carpet.



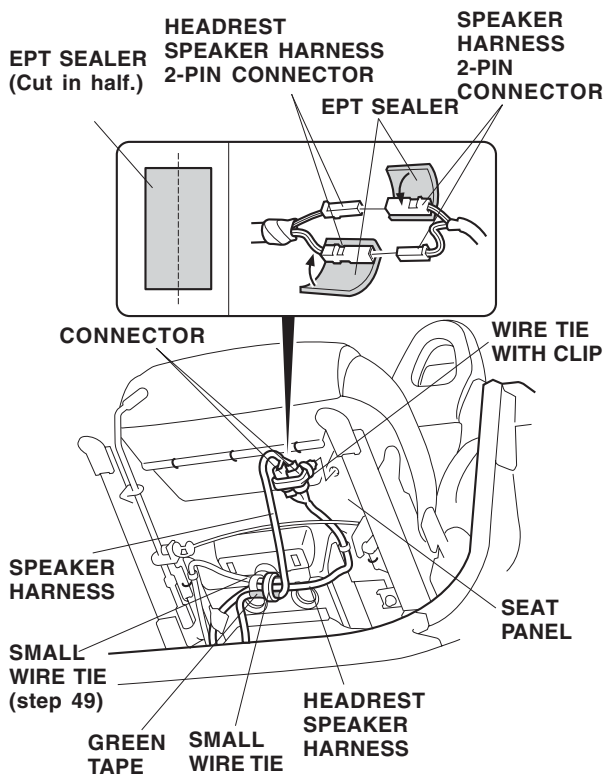
69. Attach the wire tie with clip to the speaker harness at the green tape, then push the clip into the hole in the vehicle panel.
70. Using isopropyl alcohol on a shop towel, clean the areas where the cushion tapes will attach. Secure the speaker harness to the vehicle panel with two cushion tapes.

Reinstalling the Driver's Seat

71. Place the driver's seat in the vehicle, and secure the speaker harness to the seat panel.
72. Using scissors, cut one EPT sealer in half. Wrap one piece around each female 2-pin connector from the headrest speaker and speaker harnesses.
73. Attach the headrest speaker harness:

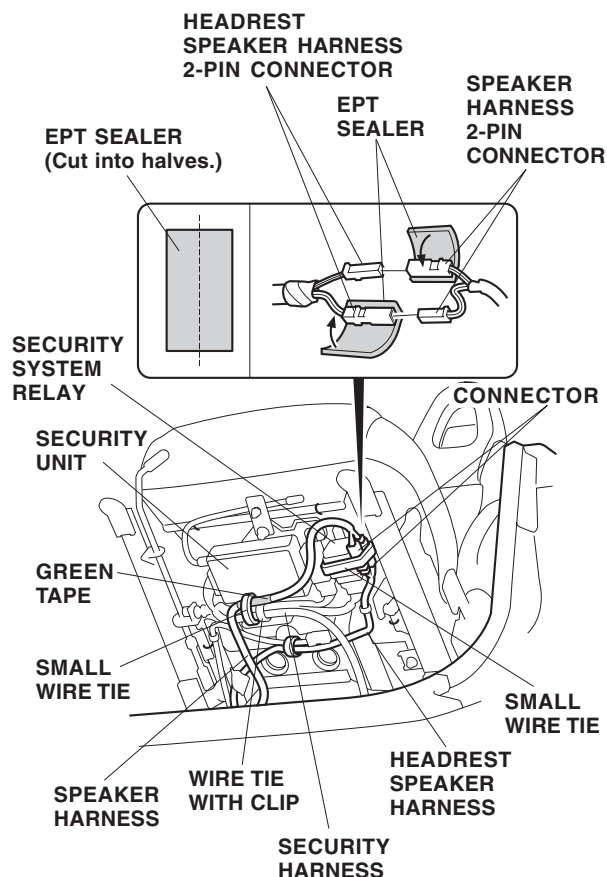
Without Security System:

- Connect the speaker harness 2-pin connectors to the headrest speaker harness 2-pin connectors, then attach one wire tie with clip to the connectors, and push the clip of the wire tie with clip into the hole in the seat panel.
- Align the green tape on the speaker harness with the small wire tie that you secured to the center of the seat panel in step 49. Secure the harness to the headrest speaker harness with one small wire tie.



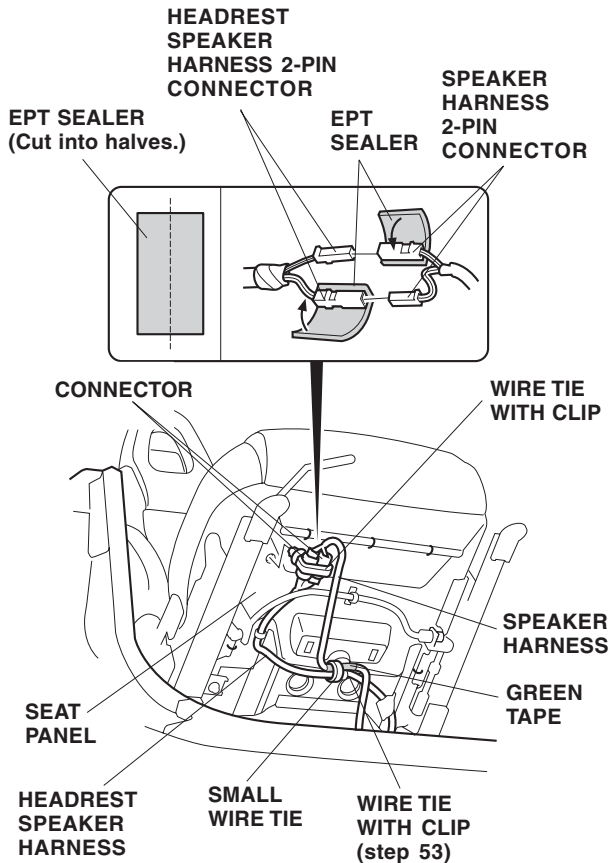
With Security System:

- Connect the speaker harness 2-pin connectors to the headrest speaker harness 2-pin connectors, then secure the harness to the security system relay with one small wire tie.
- Align the green tape on the speaker harness with the wire tie with clip that fastens the security harness, and secure the speaker harness to the security harness with one small wire tie.



Installing the Passenger's Seat

74. Place the passenger's seat in the vehicle.
75. Using scissors, cut one EPT sealer in half. Wrap one piece around each of the female 2-pin connectors from the headrest speaker and speaker harnesses.



76. Connect the speaker harness 2-pin connectors to the headrest speaker harness 2-pin connectors; then attach the wire tie with clip to the connectors, and push the clip of the wire tie with clip into the hole in the seat panel.
77. Align the green tape on the speaker harness with the wire tie with clip that you secured to the center of the seat panel (in step 53). Secure the harness to the headrest speaker harness with one small wire tie.
78. Reinstall the seats. Torque the seat front mounting bolts to 22 N·m (16 lb-ft). Torque the seat rear mounting bolts to 29 N·m (22 lb-ft).

79. Reinstall all removed parts.
80. Check that all wire harnesses are routed properly and all connectors are plugged in.
81. Reconnect the negative cable to the battery.
82. Enter the customer's radio anti-theft code, and reset the radio station presets.
83. Reset the clock.
84. Check the operation of the Headrest Speaker according to the Owner's Manual provided.