HONDA

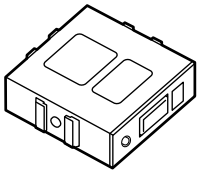
# INSTALLATION INSTRUCTIONS

| Accessory | Application | Publications No. |
|---|---|---|
| BACKUP SENSORS | 2011 ODYSSEY | All 43906 |
| | | Issue Date SEP 2010 |

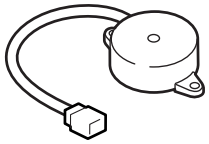
**PARTS LIST**

**Backup Sensor Attachment Kit**
**P/N 08V67-TK8-100A**

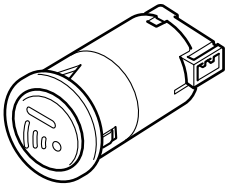
Control unit



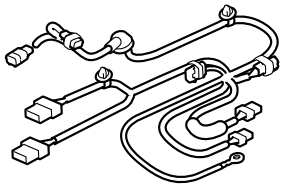
Buzzer



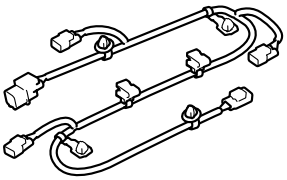
Switch



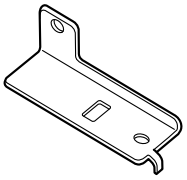
Backup sensor harness



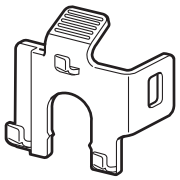
Subharness



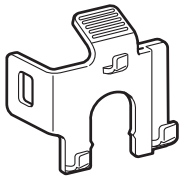
Control unit bracket



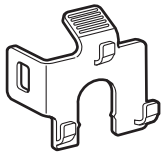
Right center sensor clip (Black)



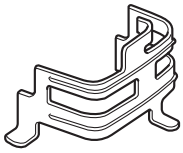
Left center sensor clip (White)



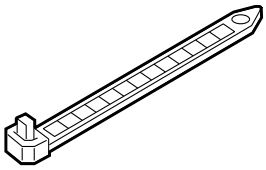
2 Corner sensor clips (White)



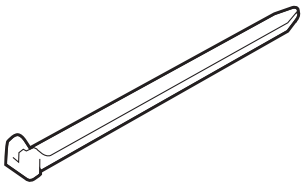
Switch bracket



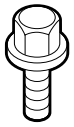
12 Wire ties



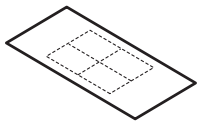
Narrow wire tie



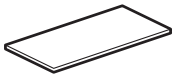
Flange bolt



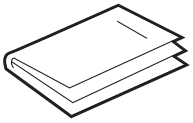
Fuse label



Aluminum tape



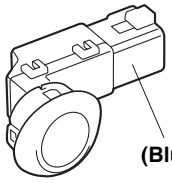
Accessory User's Information Manual



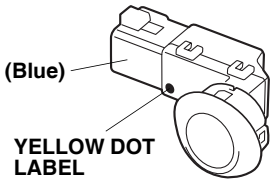
**Backup Sensor Kit**

NOTE: Refer to Parts Information Bulletin (PIB) for the proper part number.

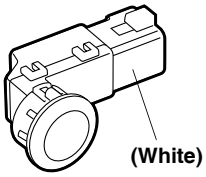
Right center sensor




Left center sensor




2 Corner sensors




**TOOLS AND SUPPLIES REQUIRED**

Phillips screwdriver

Small flat-tip screwdriver

10 mm Open end wrench

10 mm and 14 mm Sockets

Pushpin

Ratchet

3 mm Drill bit

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

File

Scissors

Tape Measure

Blanket

Isopropyl alcohol

Shop towel

24 mm and 26 mm Hole saws

Drill

Trim Tool Set (SOJATP2014)
(Available through the Honda Tool and Equipment program. On the iN, click on: Service/Service Bay/Tool and Equipment Program, then enter the number under "Search." Or call 888-424-6857.)

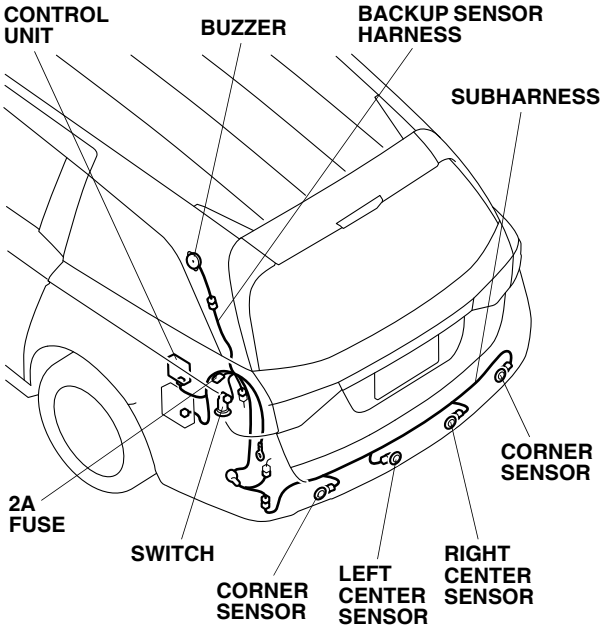
Hex wrench

Diagonal cutters

Pliers

Masking tape

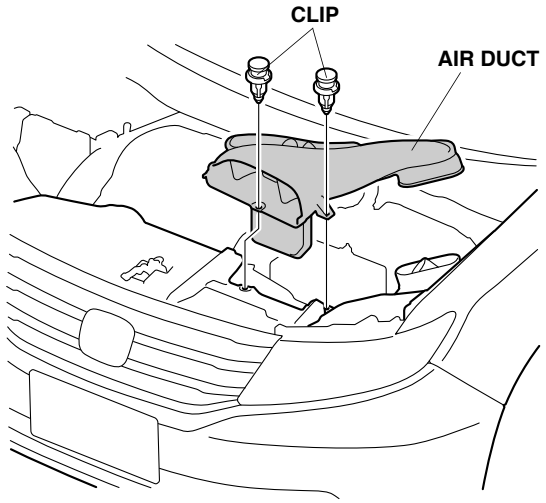
***Illustration of the Backup Sensors Installed on the Vehicle***



## INSTALLATION

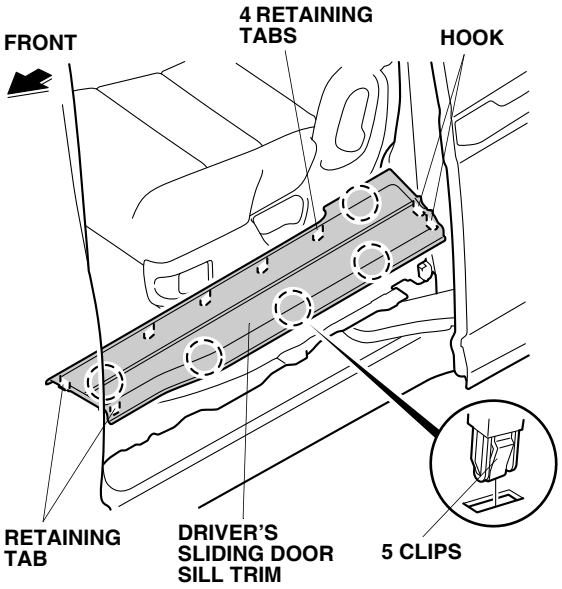
**Customer Information:** The information in this installation instruction is intended for use only by skilled technicians who have the proper tools, equipment, and training to correctly and safely add equipment to your vehicle. These procedures should not be attempted by "do-it-yourselfers."

1. Make sure you have the anti-theft code for the radio and navigation system if equipped, then write down the radio station presets.
2. Open the tailgate.
3. Remove the air duct (two clips).

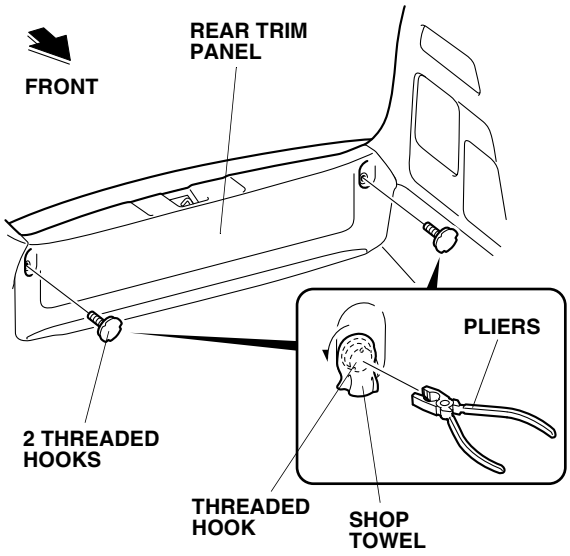



4. Disconnect the negative cable from the battery.

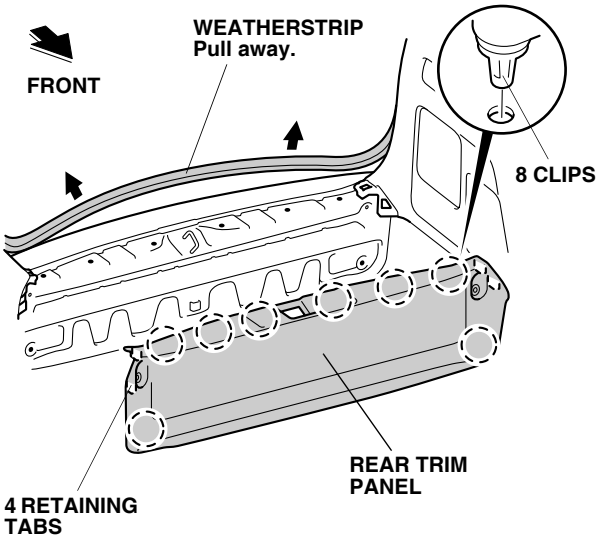
5. Remove the driver's sliding door sill trim (five clips, six retaining tabs and two hooks).



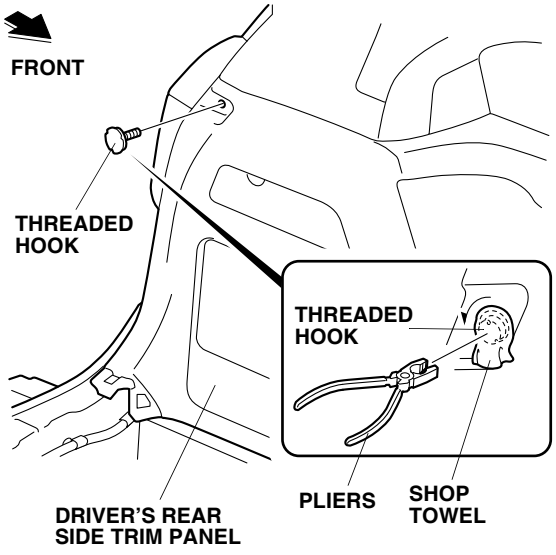

6. Remove the rear trim panel.
   - Using a shop towel and pliers, remove two threaded hooks.



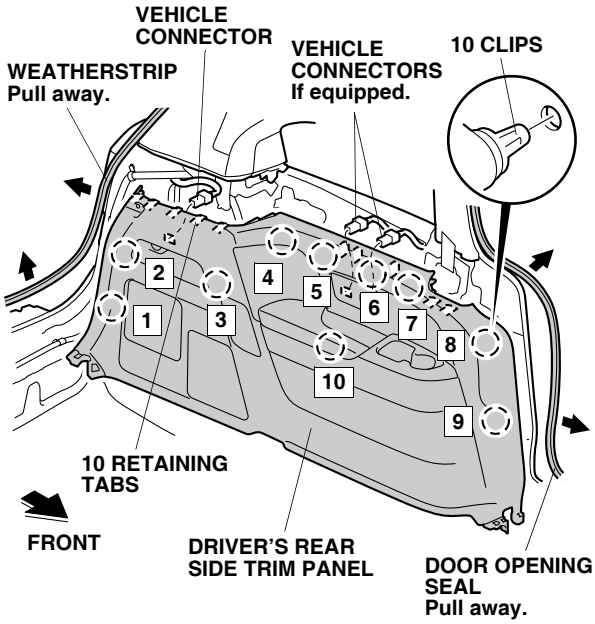
- Pull away the weatherstrip from around the rear trim panel.
- Gently pull out on the rear trim panel to release eight clips and four retaining tabs, and remove the rear trim panel.



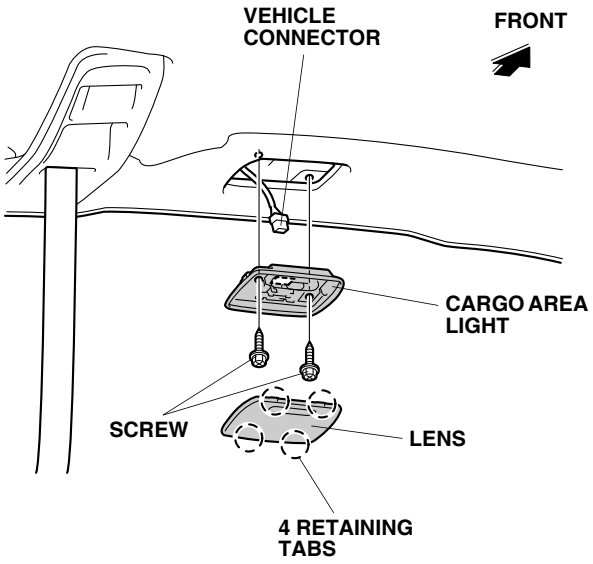

7. Remove the driver's rear side trim panel.
   - Using a shop towel and pliers, remove the threaded hook.



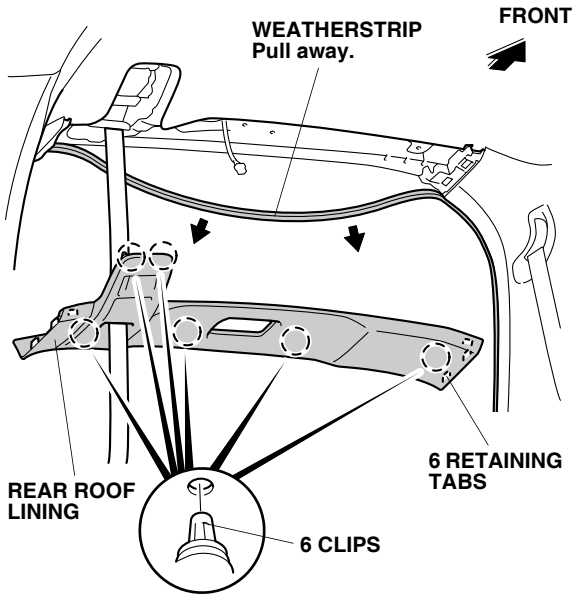

- Fold down the third row seat.
- Pull away the weatherstrip from around the rear of the driver's rear side trim panel.
- Pull away the door opening seal from around the front of the driver's rear side trim panel.
- Gently pull out on the driver's rear side trim panel to release ten clips and ten retaining tabs in the order shown.
- Unplug the vehicle connector, and remove the driver's rear side trim panel. If the vehicle is equipped the other vehicle connectors unplug the vehicle connectors.



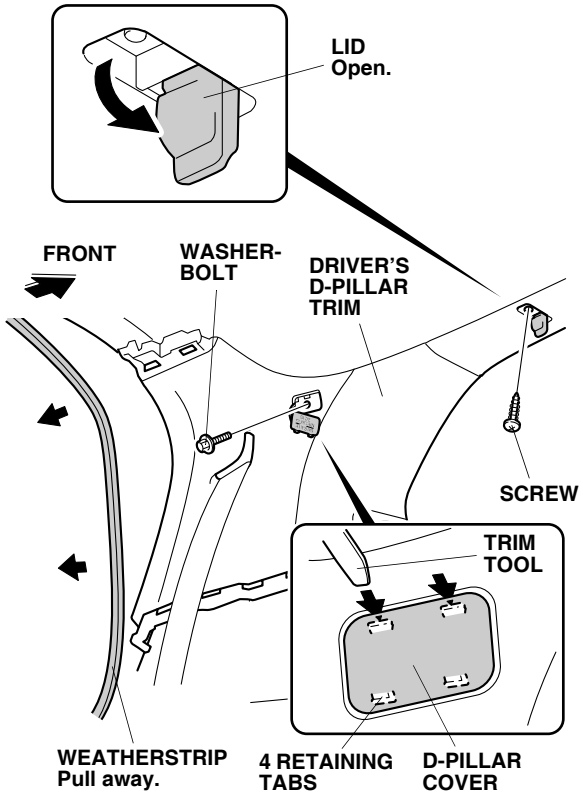
8. Remove the lens from the cargo area light (four retaining tabs).




9. Remove the cargo area light (two screws and unplug the vehicle connector).
10. Remove the rear roof lining (pull away the weatherstrip, release the six retaining tabs and six clips).

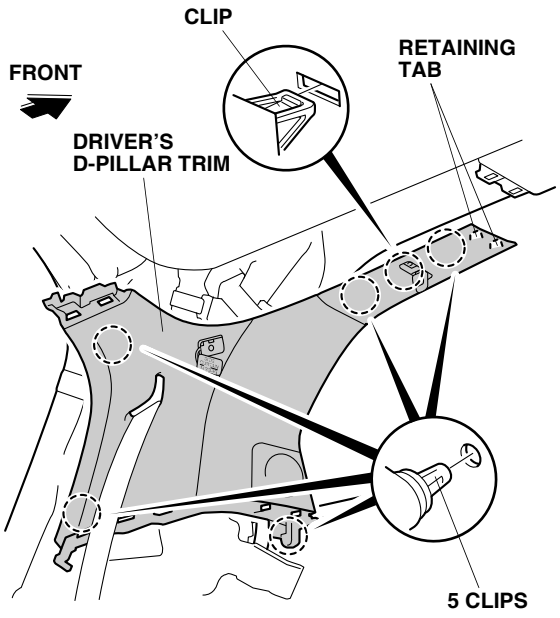



11. Using a trim tool, remove the D-pillar cover (four retaining tabs). Pull away the weatherstrip from around the driver's D-pillar trim..

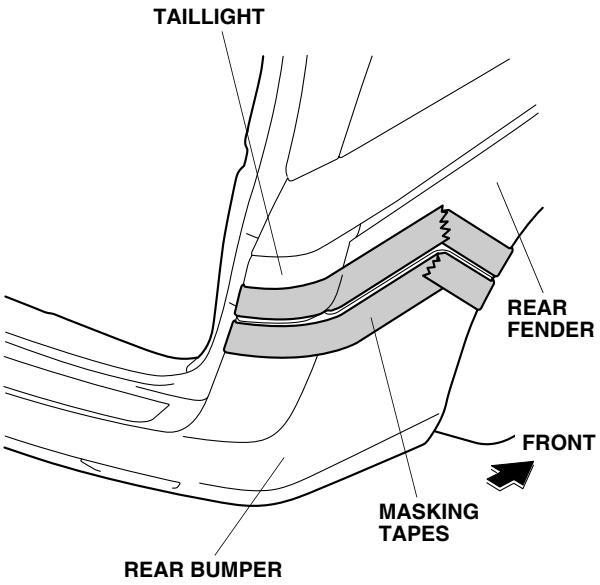



12. Remove the washer-bolt from the driver's D-pillar.
13. Open the lid, remove the screw from the driver's D-pillar.

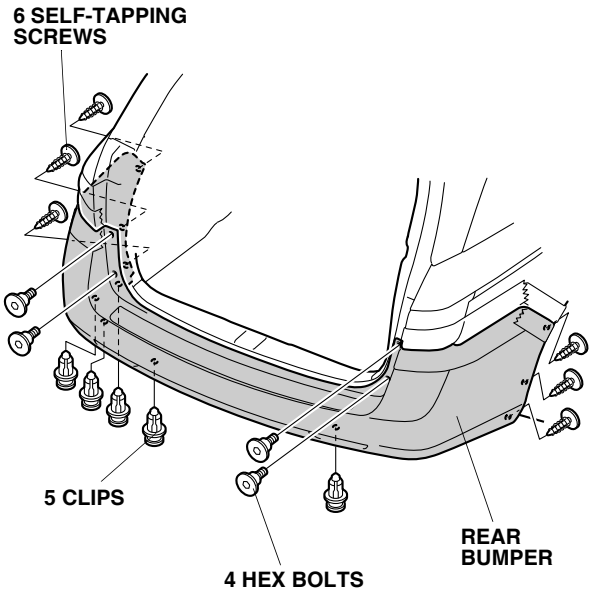
14. Remove the driver's D-pillar trim (two retaining tabs and six clips).



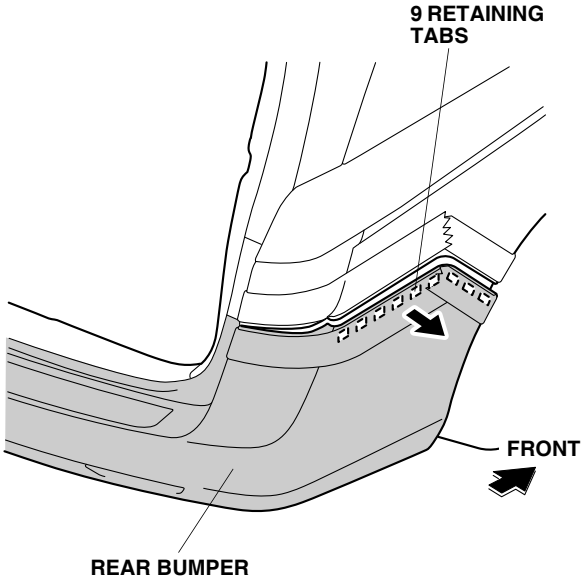

15. On each side of the rear bumper, attach masking tape to the rear bumper, taillight and rear fender as shown.



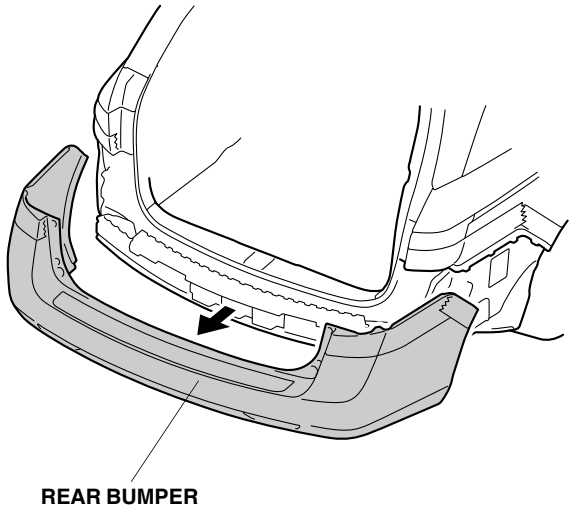

16. Remove the rear bumper.
    - Remove six self-tapping screws, four hex bolts and five clips.




    - On each side, release nine retaining tabs.

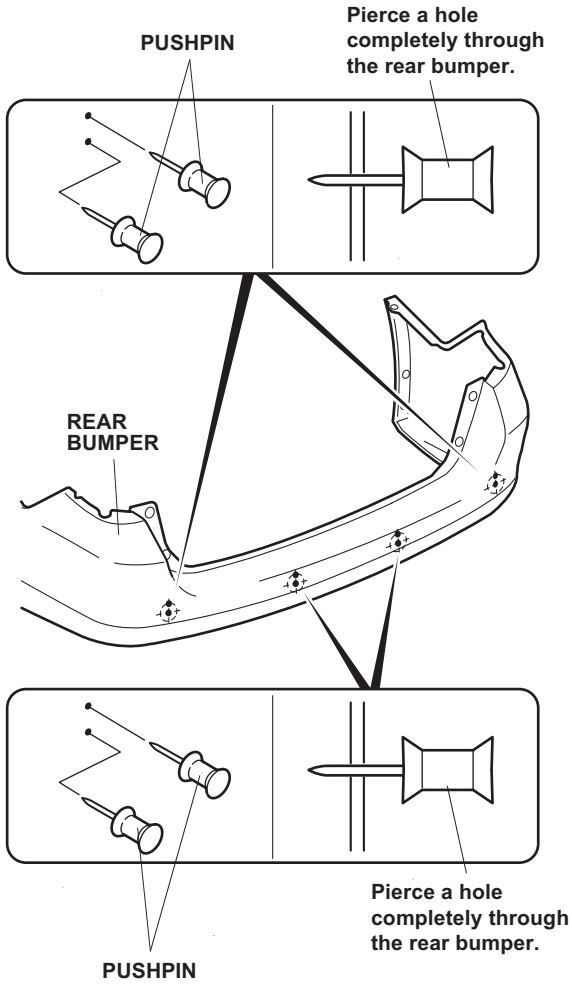


- With the help of an assistant, remove the rear bumper.
- Place the rear bumper on a blanket after removal.

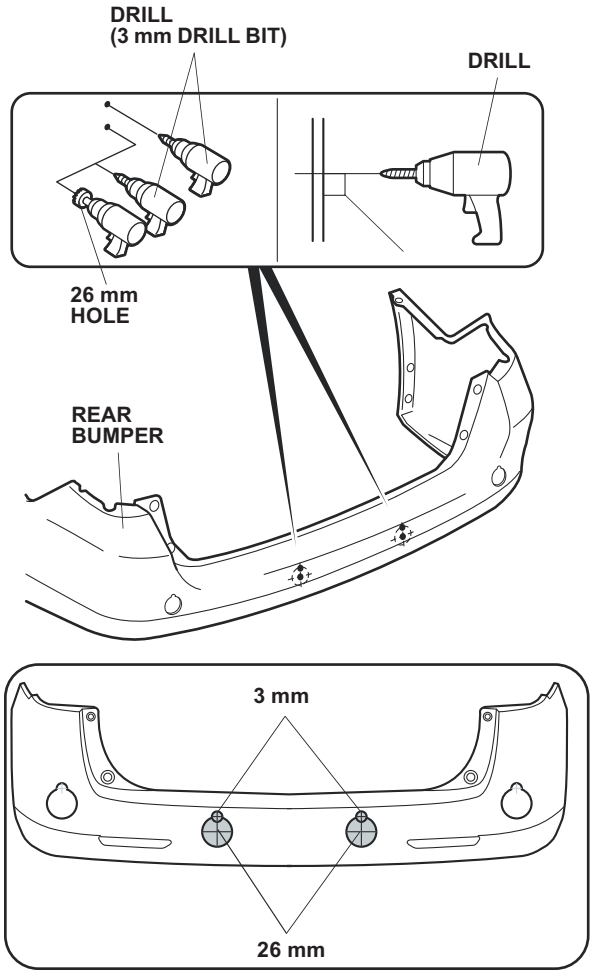



**Installing the Backup Sensors**

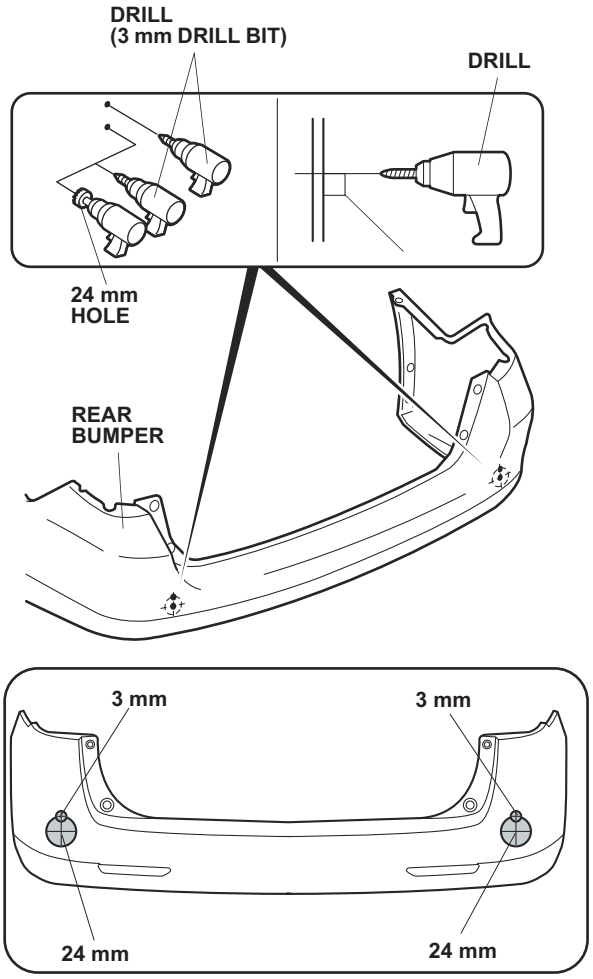
17. On the inside of the rear bumper, locate and pierce the eight scribe marks on the rear bumper, using a pushpin.
    NOTE: Make sure to pierce the scribe marks perpendicularly to the rear bumper.



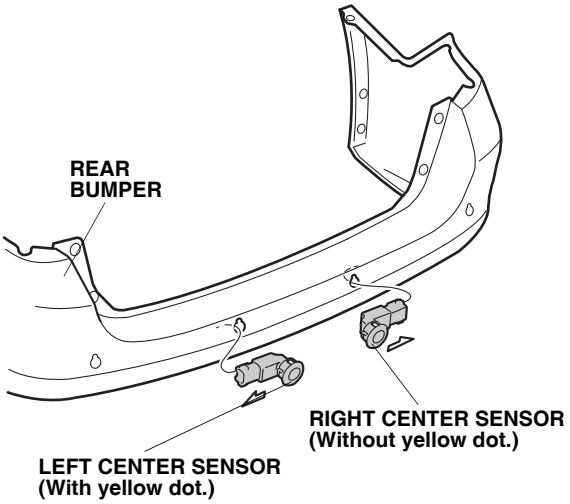
18. While wearing eye protection, drill a 3 mm hole at the four pierced marks at the center section of the rear bumper from the outside. Widen the two lower holes with a 26 mm hole saw. Remove any burrs.



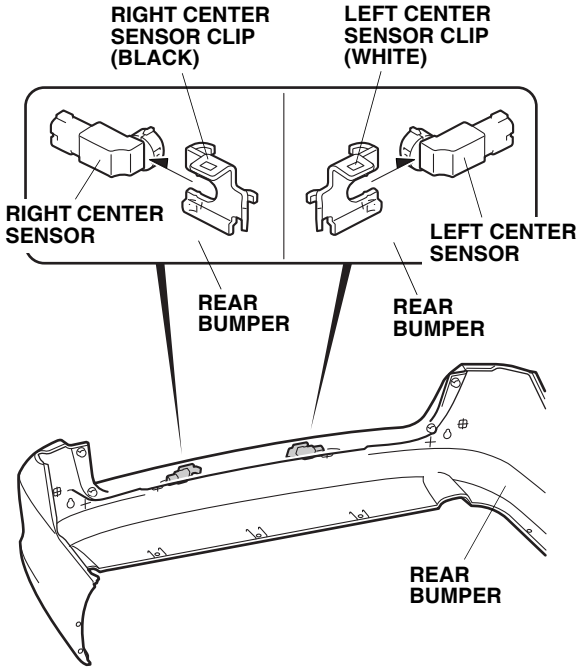

19. While wearing eye protection, drill a 3 mm hole at the four pierced marks of the outer section of the rear bumper from the outside. Widen the two lower holes with a 24 mm hole saw. Remove any burrs.



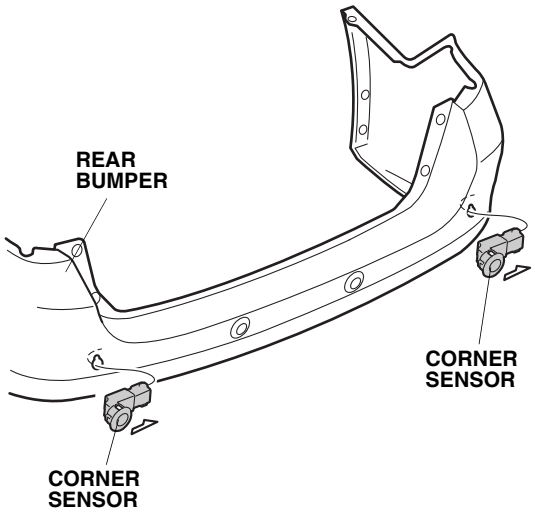
20. From the outside of the rear bumper, insert the right center sensor (**without** yellow dot) and left center sensor (**with** yellow dot) into the 26 mm holes that you drilled.
    - Make sure that each sensor connector points outward.
    - Make sure the detent on each sensor points upward and locks into the 3 mm hole that you drilled.



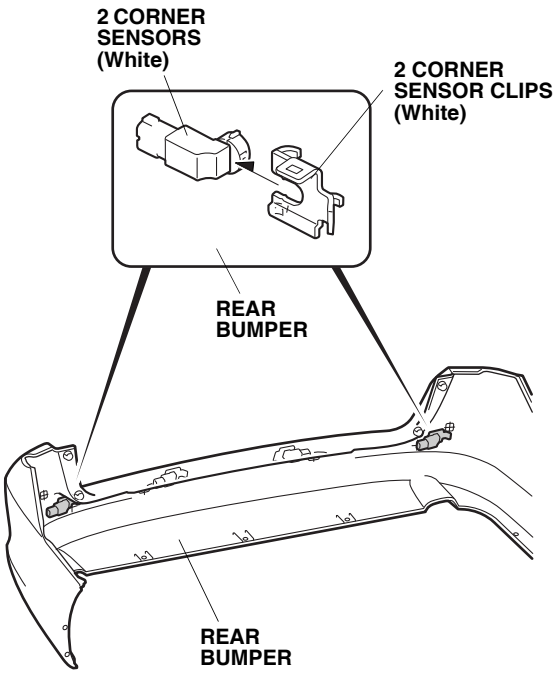

21. From the inside of the rear bumper, insert the right center sensor clip (black) and left center sensor clip (white) to the right center sensor and left center sensor.




22. From the outside of the rear bumper, insert the two corner sensors into the two 24 mm holes that you drilled.
    - Make sure that each sensor connector points toward the passenger side of the bumper.
    - Make sure the detent on each sensor points upward and locks into the 3 mm hole that you drilled.

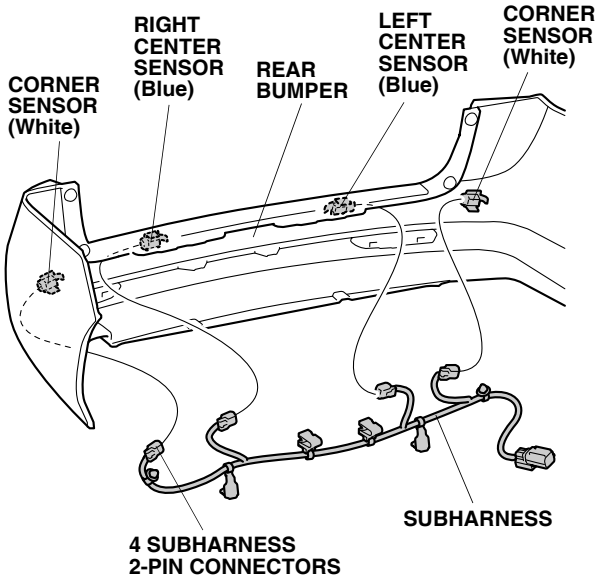



23. From the inside of the rear bumper, insert the two corner sensor clips (white) to the two corner sensors.

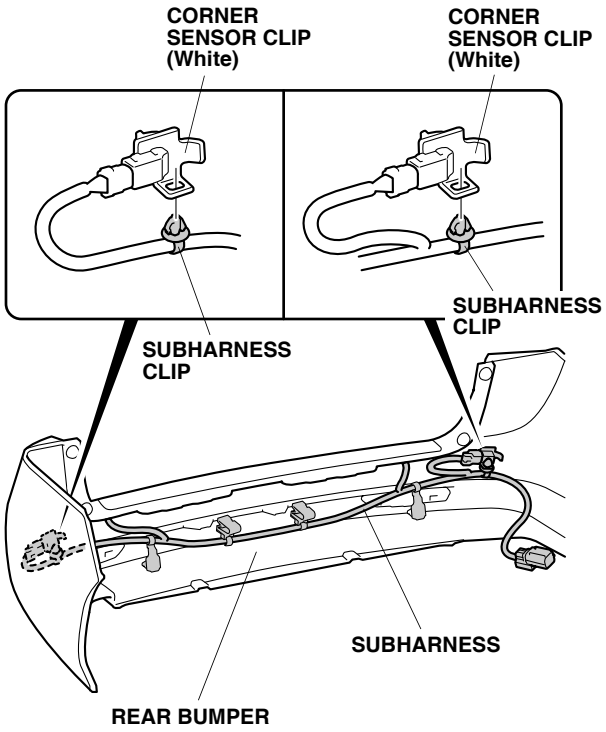


**Routing the Subharness**

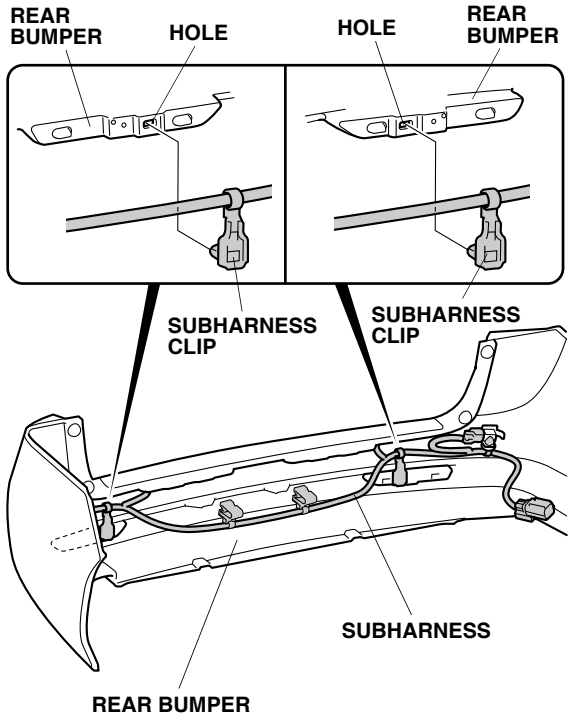
24. Plug the four backup sensor subharness 2-pin connectors into the right center sensor, left center sensor, and two corner sensors.



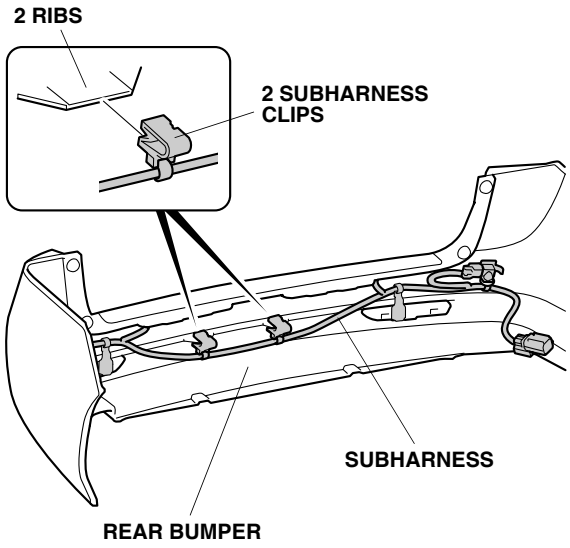

25. Secure two subharness clips to the two corner sensor clips (white) as shown.




26. Secure two subharness clips to the two holes in the rear bumper as shown.

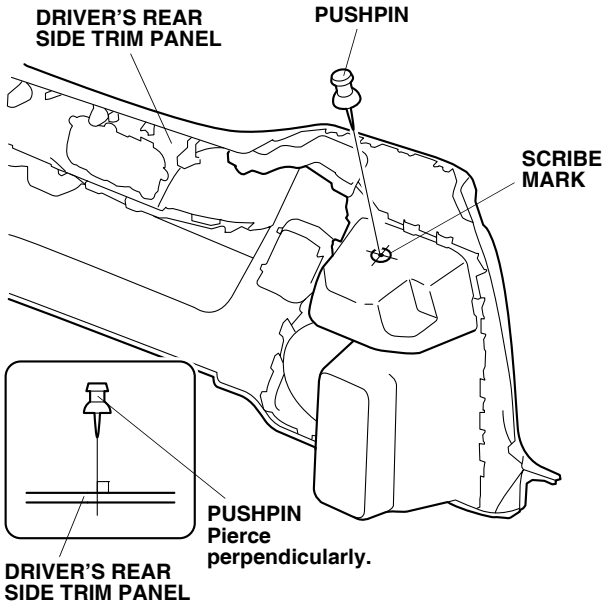



27. Secure two subharness clips to the two ribs on the rear bumper as shown.

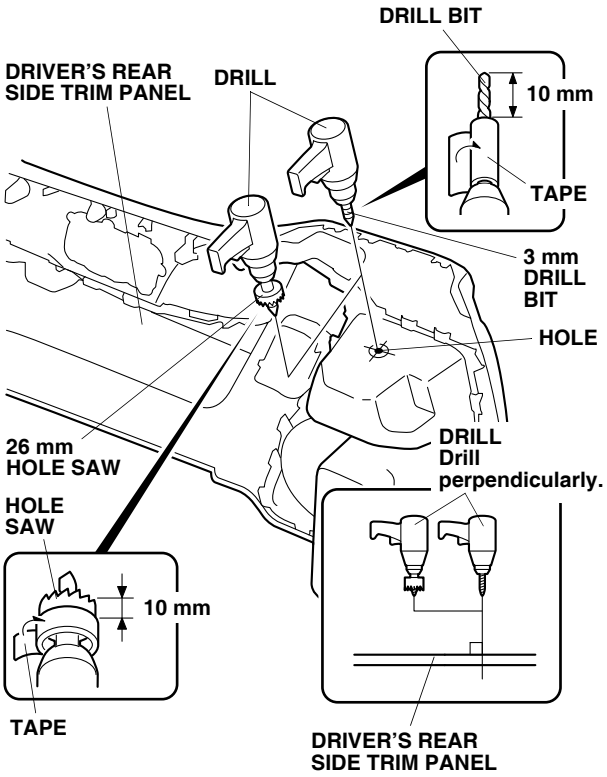


**Installing the Switch**

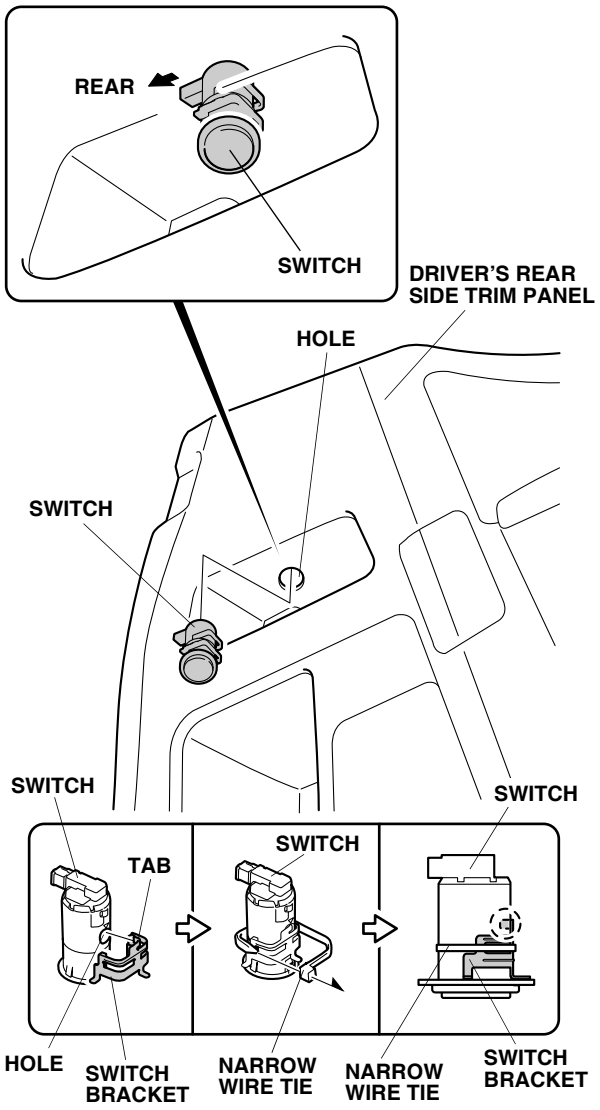
28. From inside of the driver's rear side trim panel, use a pushpin to pierce one scribe mark as shown.
NOTE: Make sure to pierce the scribe mark perpendicularly to the driver's rear side trim panel.




29. While wearing eye protection, drill a 26 mm hole through the pierced mark:
    - Wrap masking tape around a 3 mm drill bit 10 mm away from the tip.
    - Drill a 3 mm hole through the pierced mark.
    - Wrap masking tape around a 26 mm hole saw 10 mm away from the tip.
    - Enlarge the 3 mm hole to 26 mm using the 26 mm hole saw.
    - Make sure to drill perpendicularly to the driver's rear side trim panel. Be careful not to damage the driver's rear side trim.



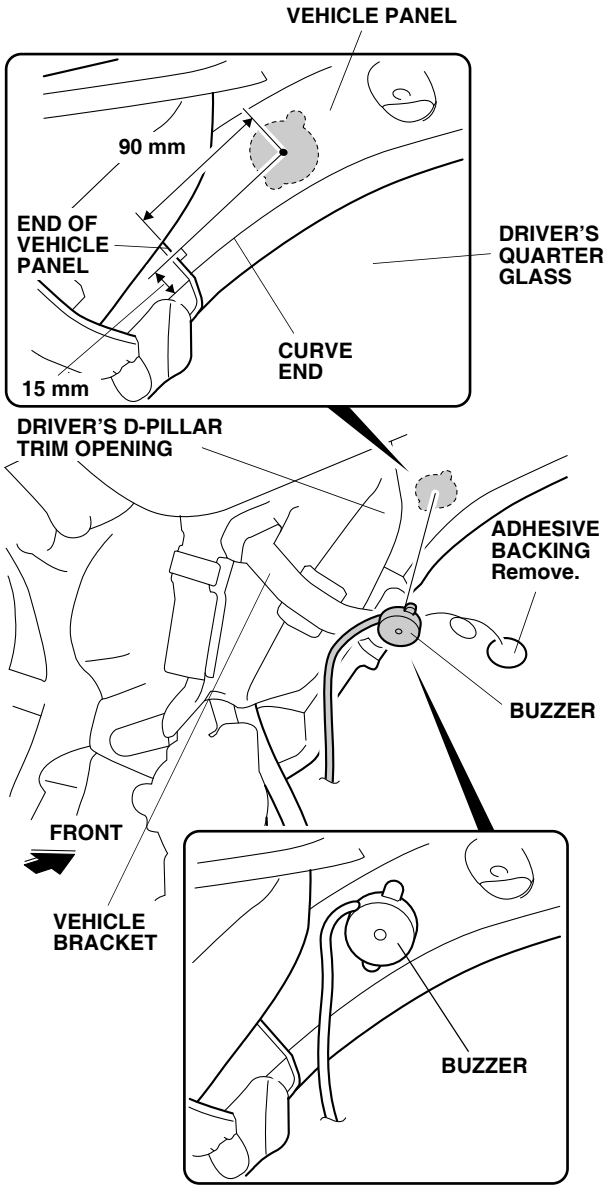
30. Install the switch to the driver's rear side trim panel.
NOTE: Make sure the switch is installed in the correct orientation.




31. Align the tab on the switch bracket to the hole on the switch and secure the switch bracket to the switch with one narrow wire tie.
NOTE: Firmly press the switch bracket against the driver's rear side trim panel and secure it with one narrow wire tie. Make sure that there is no clearance between the switch and driver's rear side trim panel.

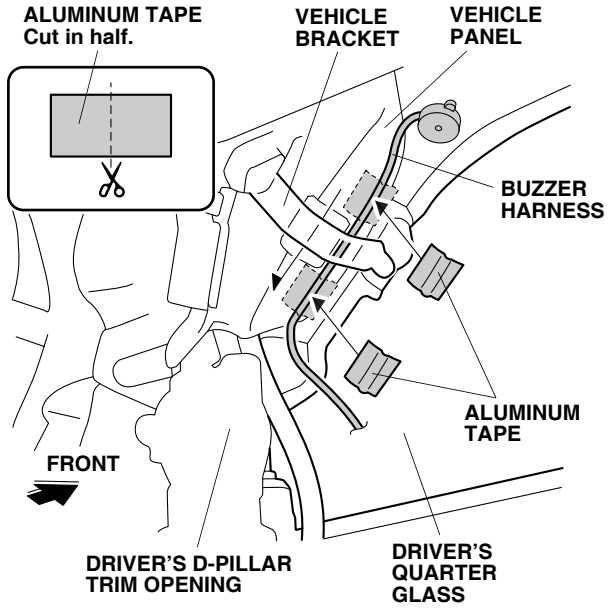
**Installing the Buzzer**

32. Using isopropyl alcohol on a shop towel, thoroughly clean the area where the buzzer will attach.




33. Remove the adhesive backing from the buzzer and attach it to the vehicle panel in the location shown.
NOTE: Make sure the buzzer is attached in the correct orientation.

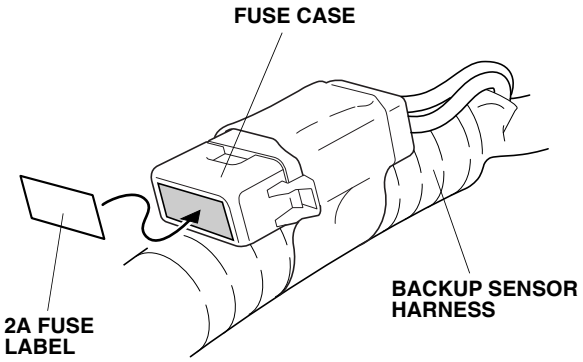
34. Route the buzzer harness as shown.



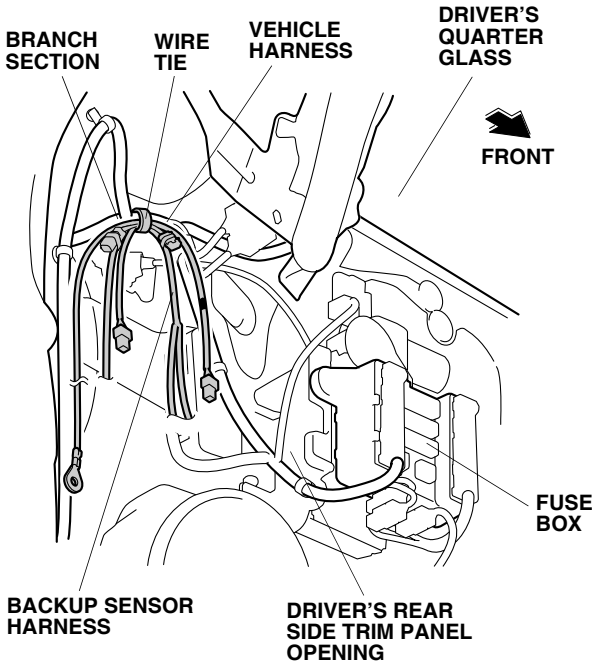

35. Using isopropyl alcohol on a shop towel, thoroughly clean the areas where the aluminum tapes will attach.
36. Cut one aluminum tape in half. Secure the buzzer harness to the vehicle panel with the two cut pieces of aluminum tape.

**Routing the Backup Sensor Harness and Installing the Control Unit**

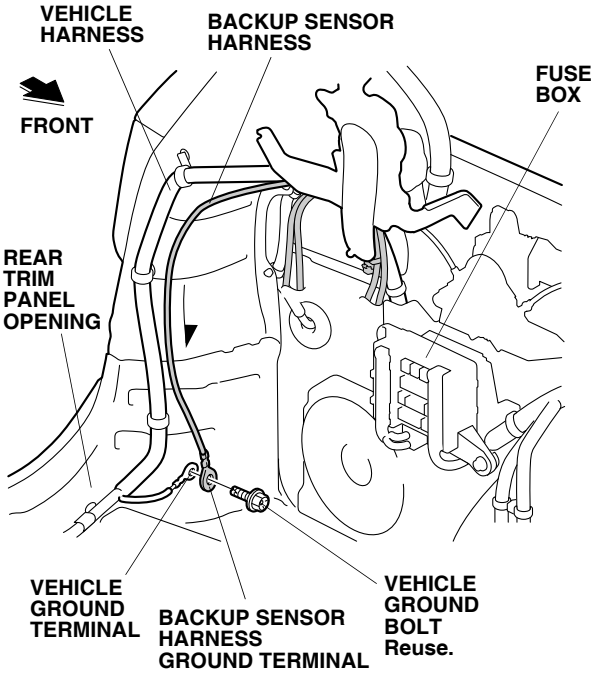
37. Using an isopropyl alcohol on a shop towel, thoroughly clean the area where the fuse label will attach. Attach 2A fuse label to the fuse case on the backup sensor harness.




38. Secure the backup sensor harness to the vehicle harness with one wire tie as shown.

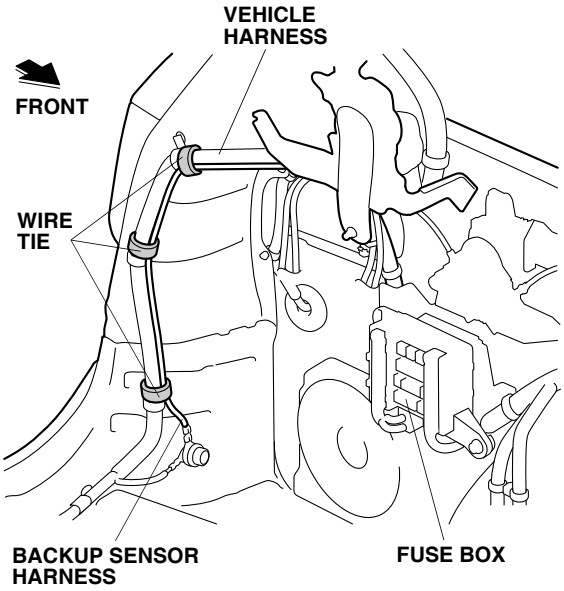



39. Route the backup sensor harness ground terminal along the vehicle harness.

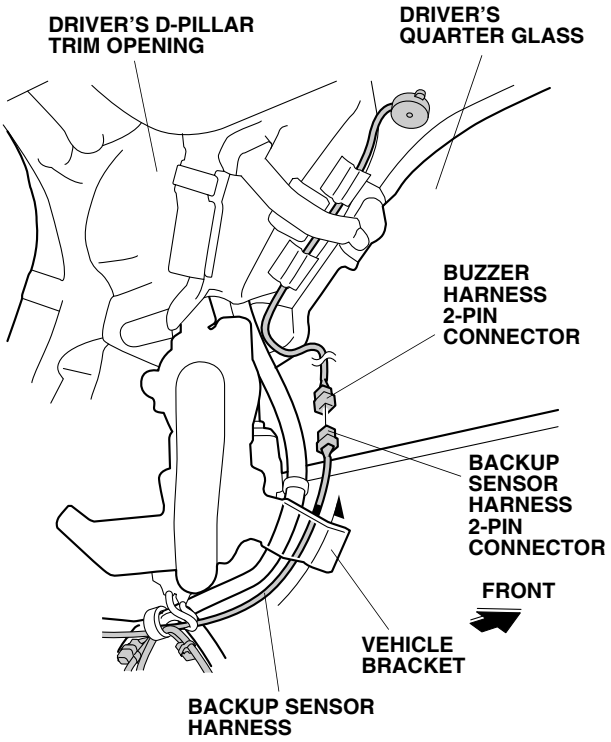



40. Remove the vehicle ground bolt and secure the backup sensor harness ground terminal to the vehicle ground terminal with the vehicle ground bolt you just removed.

41. Secure the backup sensor harness to the vehicle harness with three wire ties.

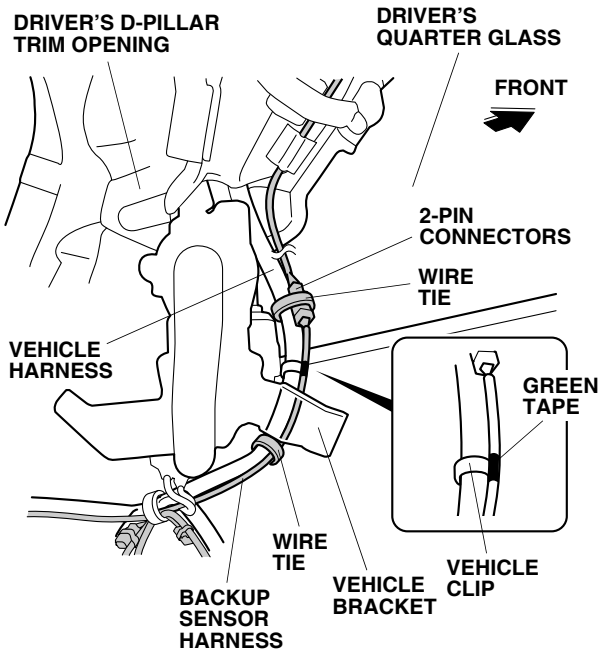



42. Route the backup sensor harness 2-pin connector along the vehicle harness.



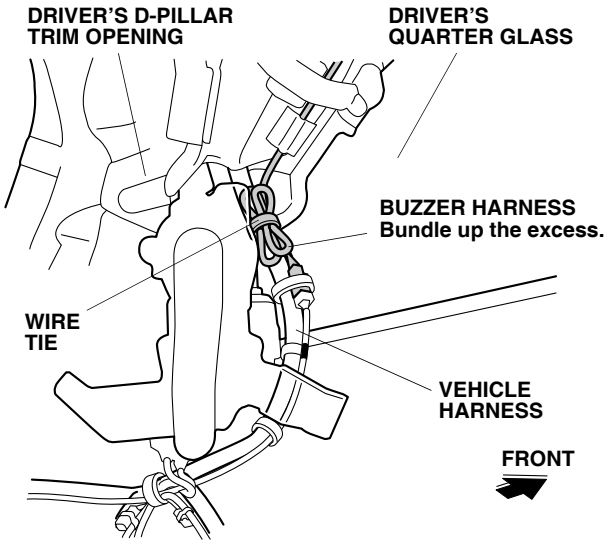

43. Plug the backup sensor harness 2-pin connector into the buzzer harness 2-pin connector.

44. Align the green tape on the backup sensor harness to the vehicle clip and secure the 2-pin connectors to the vehicle harness with one wire tie.

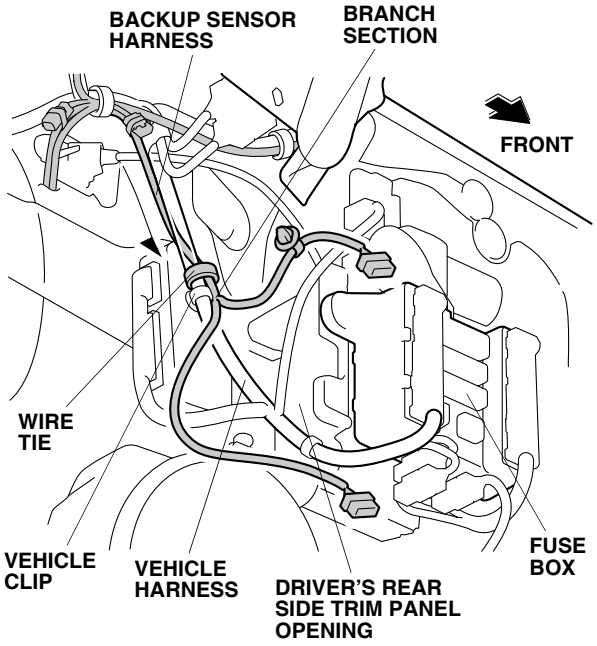



45. Secure the backup sensor harness to the vehicle harness with one wire tie.

46. Bundle up the excess buzzer harness, and secure it to the vehicle harness with one wire tie.



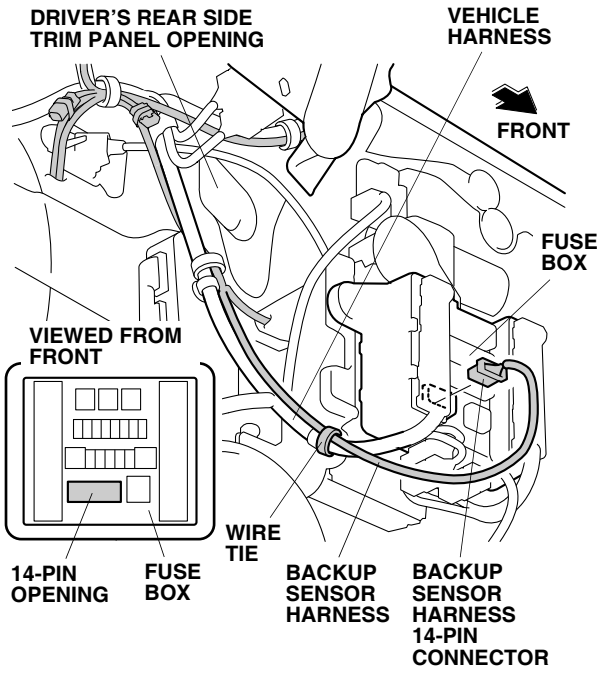
47. Route the backup sensor harness along the vehicle harness, and secure it to the vehicle harness with one wire tie in the area shown.




If the vehicle is equipped with the trailer hitch, go to step 50; otherwise, continue step 48.

**Without Trailer Hitch**

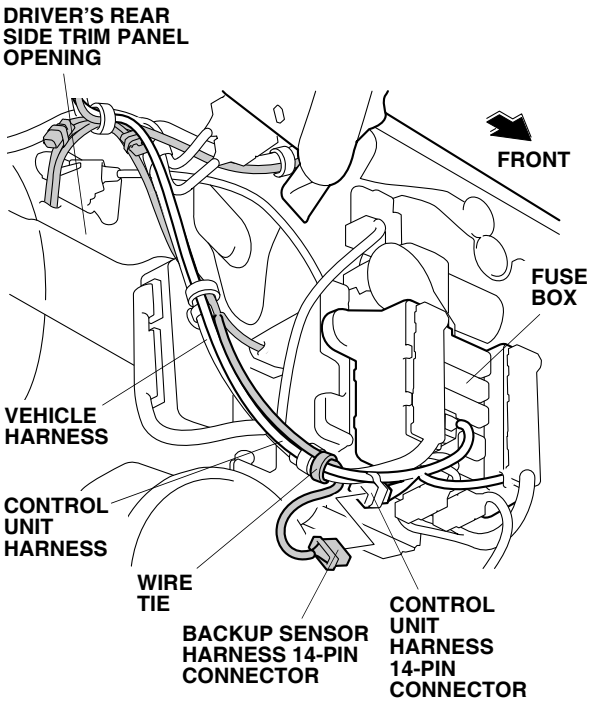
48. Plug the backup sensor harness 14-pin connector into the fuse box.



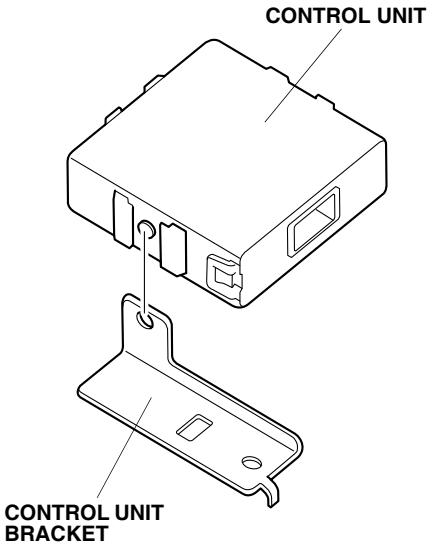

49. Secure the backup sensor harness to the vehicle harness with one wire tie. Go to step 52.

**With Trailer Hitch**

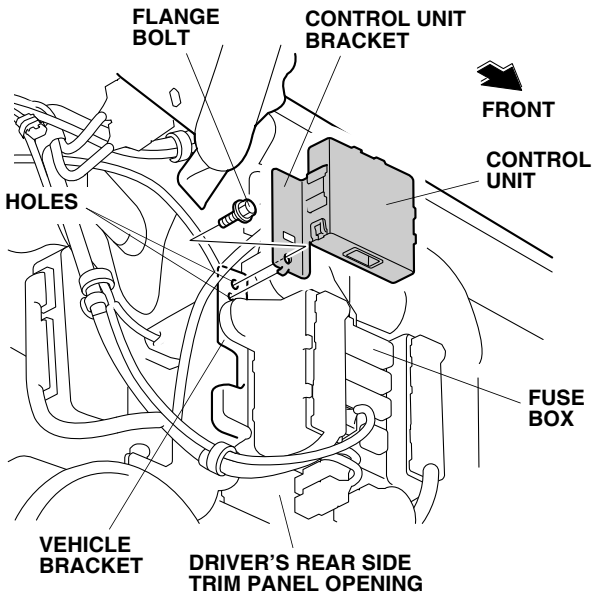
50. Plug the backup sensor harness 14-pin connector into the control unit harness 14-pin connector.



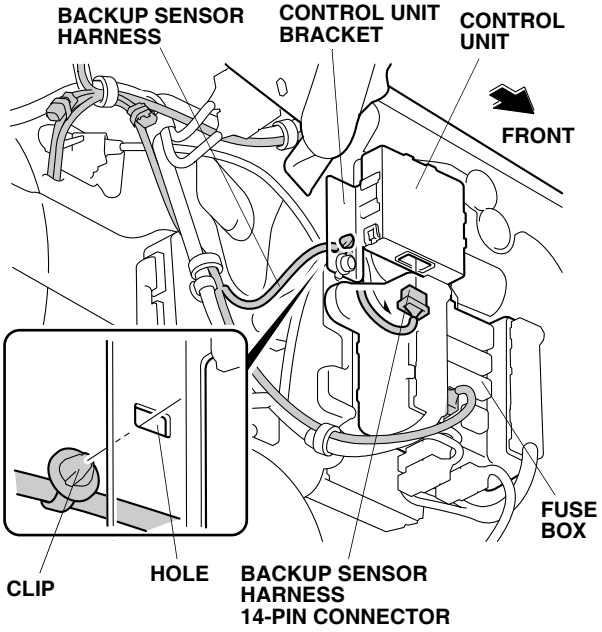

51. Secure the backup sensor harness to the vehicle harness and control unit harness with one wire tie.
52. Install the control unit bracket to the control unit.



53. Align the control unit bracket to the holes on the vehicle bracket, and secure it to the vehicle bracket with one flange bolt.




54. Route the backup sensor harness 14-pin connector, and plug it to the control unit.

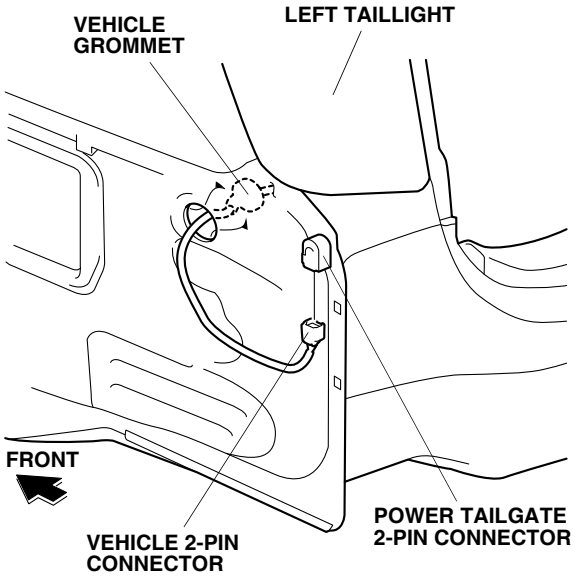



55. Secure the clip on the backup sensor harness to the hole on the control unit bracket as shown.

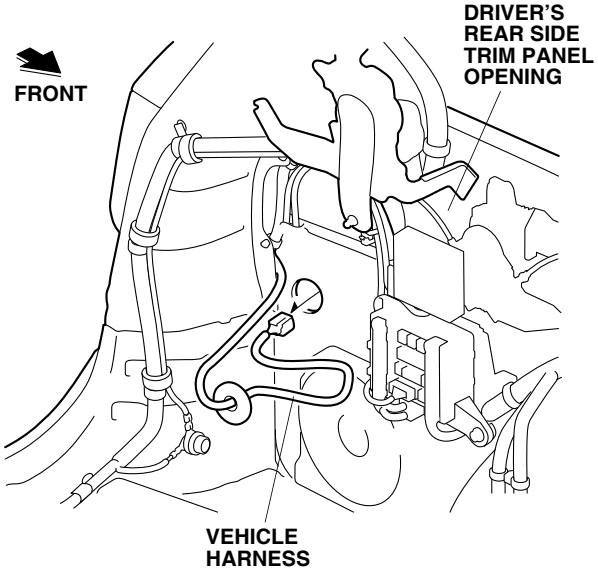
If the vehicle is equipped with the power tailgate, continue with step 56; otherwise, go to step 65.

**With Power Tailgate**

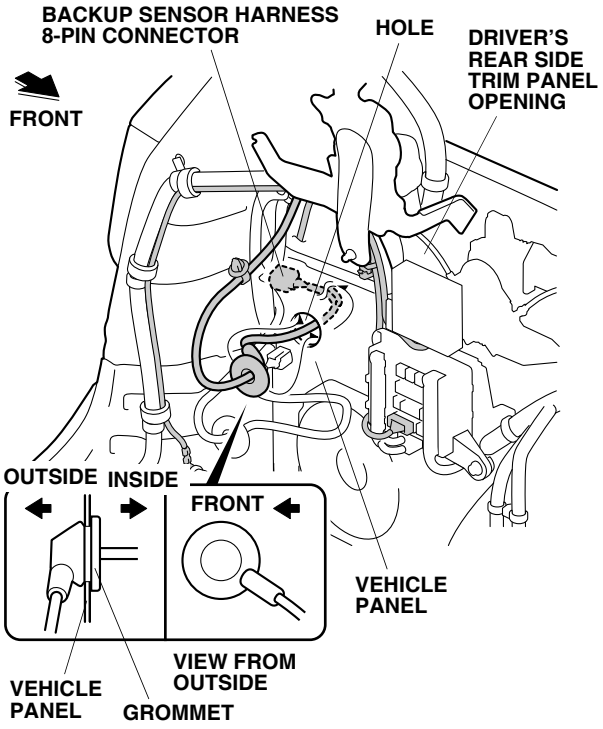
56. Unplug the vehicle 2-pin connector from the power tailgate 2-pin connector.



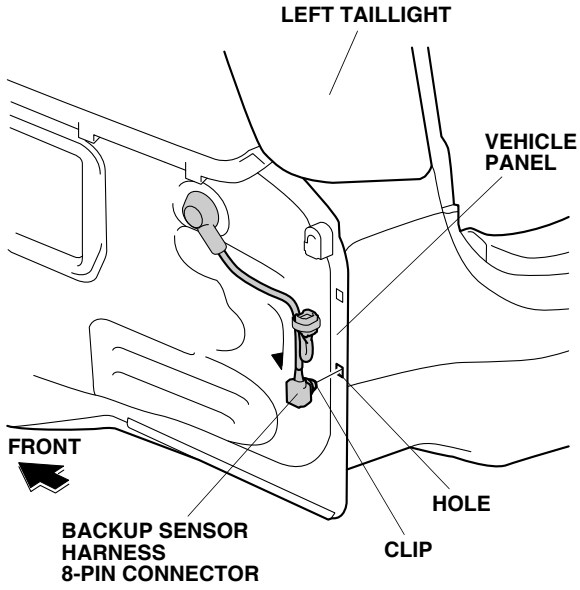

57. Release the vehicle grommet.
58. Pull the vehicle harness out from inside of the vehicle panel.



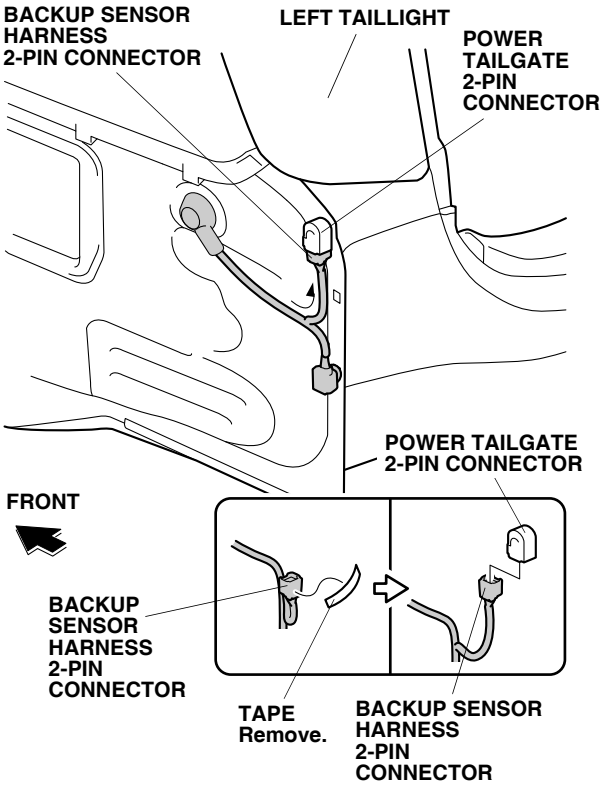
59. Route the backup sensor harness 8-pin connector through the hole, and seat the backup sensor harness grommet into the vehicle panel as shown. Do not pull on the backup sensor harness when installing the grommet.



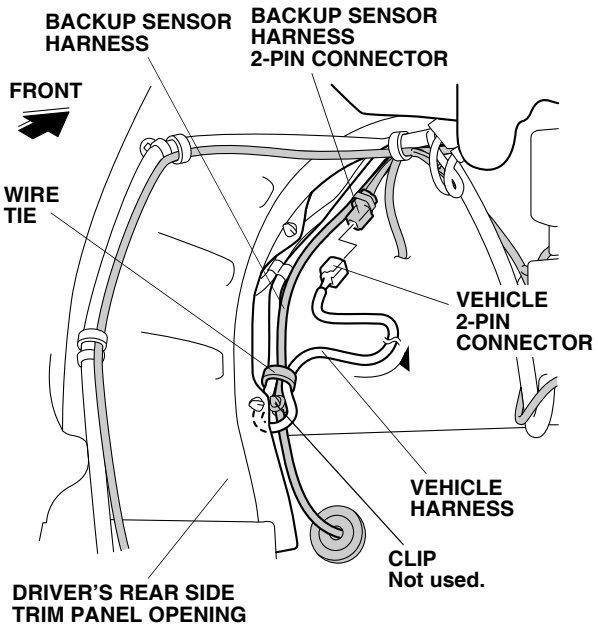

60. Route the backup sensor harness 8-pin connector down, and secure the clip on the 8-pin connector into the hole in the vehicle panel.



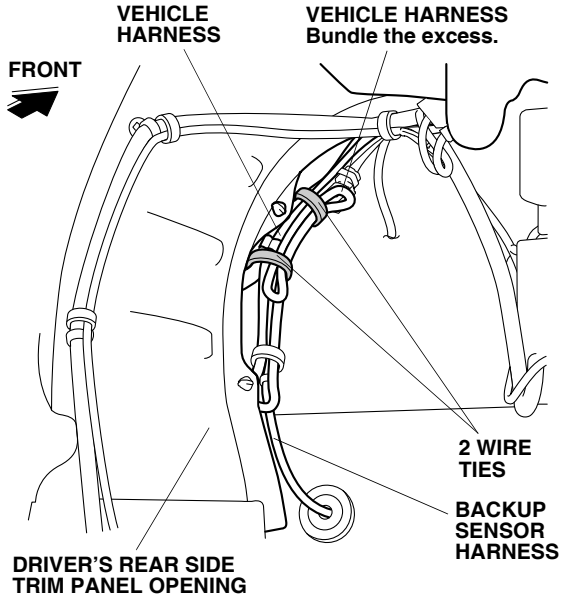

61. Remove the tape from the backup sensor harness, and plug the backup sensor harness 2-pin connector into the power tailgate 2-pin connector.



62. Route the vehicle 2-pin connector as shown, and plug it to the backup sensor harness 2-pin connector.

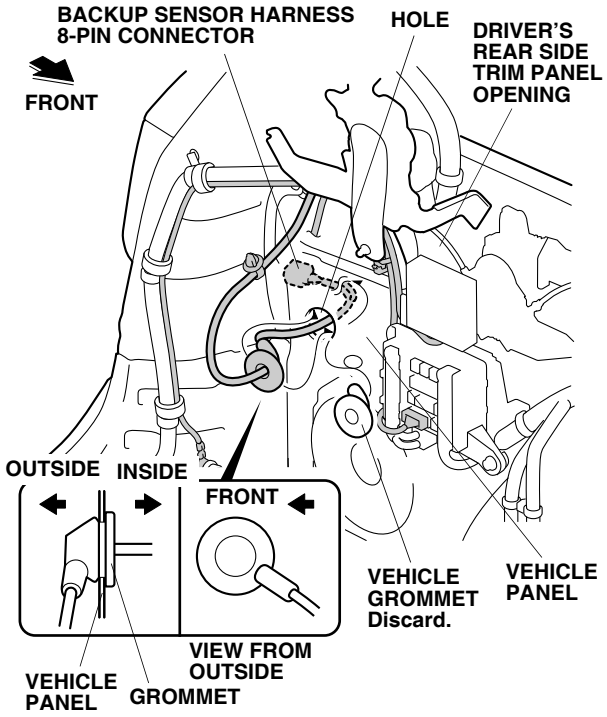



63. Secure the vehicle harness and backup sensor harness to the vehicle harness with one wire tie as shown. The clip on the backup sensor harness is not used if the vehicle is equipped with a power tailgate.
64. Bundle the excess vehicle harness, and backup sensor harness and secure it to the vehicle harness with two wire ties. Go to step 70.

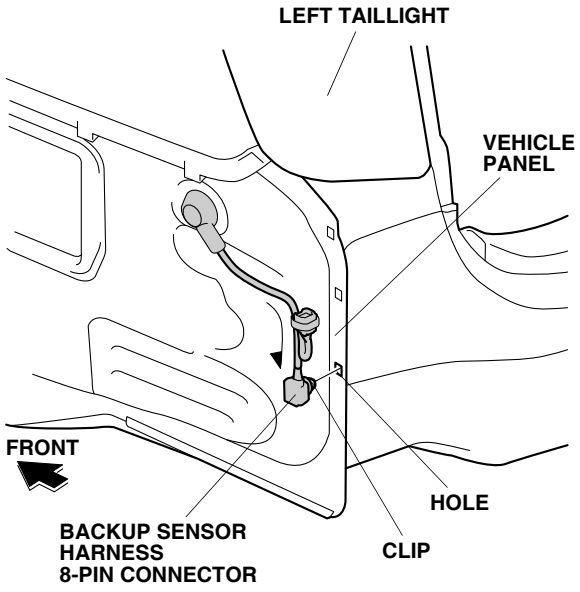



**Without Power Tailgate**

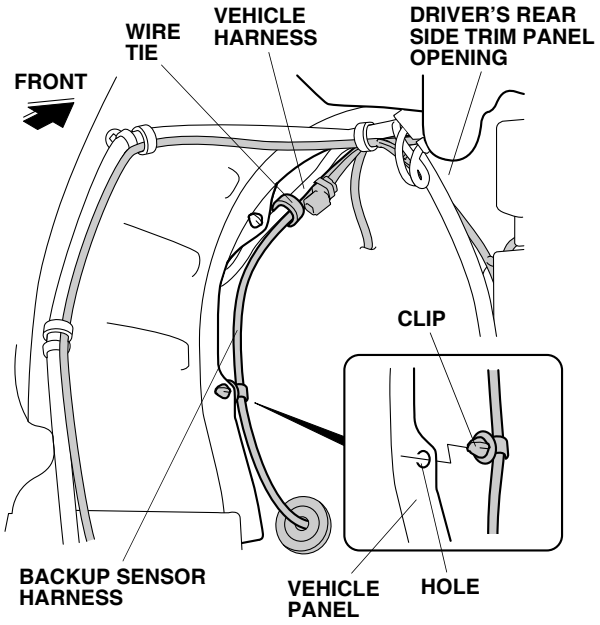
65. Remove the vehicle grommet from the vehicle panel.



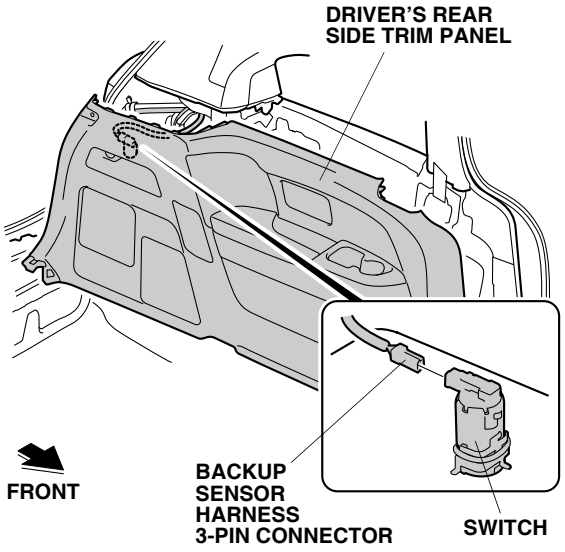

66. Route the backup sensor harness 8-pin connector through the hole, and seat the backup sensor harness grommet into the vehicle panel as shown. Do not pull on the backup sensor harness when installing the grommet.
67. Route the backup sensor harness 8-pin connector down, and secure the clip on the 8-pin connector into the hole in the vehicle panel.



68. Secure the clip on the backup sensor harness to the hole in the vehicle panel as shown.

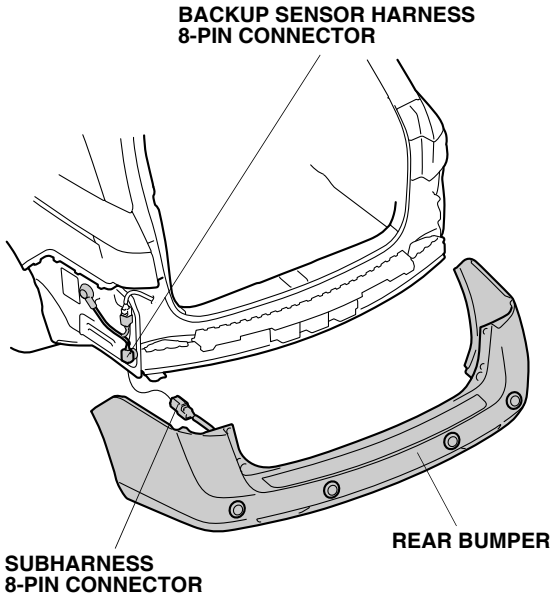



69. Secure the backup sensor harness to the vehicle harness with one wire tie.
70. Reinstall the driver's D-pillar trim.




71. Bring the driver's rear side trim panel to the vehicle, and plug the backup sensor harness 3-pin connector to the switch.
72. Reinstall the driver's rear side trim panel.

73. Bring the rear bumper close to the vehicle, and plug the subharness 8-pin connector into the backup sensor harness 8-pin connector.




74. Reinstall the rear bumper.
NOTE: Have an assistant help you when installing the rear bumper.
75. Check that all wire harnesses are routed properly and that all connectors are plugged in.
76. Reconnect the negative cable to the battery.
77. Enter the customer's anti-theft code for the audio and navigation system (if equipped), and reset the radio station presets.
78. Reset the clock.
79. Reinstall all removed parts.
80. If the vehicle is equipped with the power tailgate, check operation by opening and closing the power tailgate.
81. Check that the backup sensors work properly as described in the Accessory User's Information Manual supplied with the backup sensor kit.

**Buzzer Volume Control**

The original volume setting is turned to maximum volume. The volume level can be adjusted by turning the volume control knob on the control unit using a small flat-tip screwdriver.