HONDA

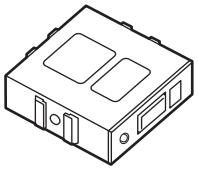
INSTALLATION INSTRUCTIONS

Accessory	Application	Publications No.
BACKUP SENSORS (WITH SMART KEY)	2014 ODYSSEY	All 49669
		Issue Date JUNE 2013

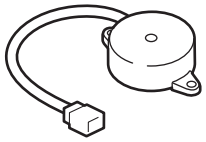
PARTS LIST

Backup Sensor Attachment Kit
P/N 08V67-TK8-1A0A

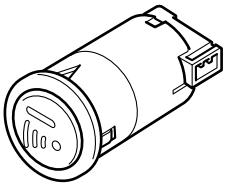
Control unit



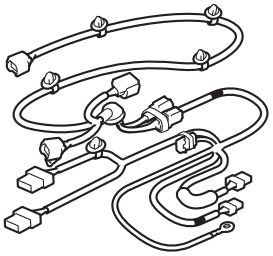
Buzzer



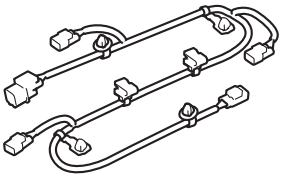
Switch



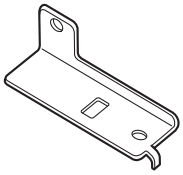
Backup sensor harness



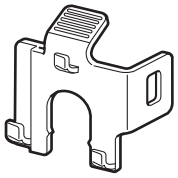
Subharness



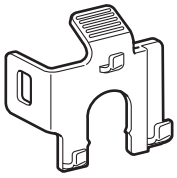
Control unit bracket



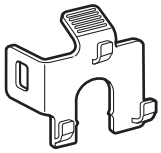
Right center sensor clip (Black)



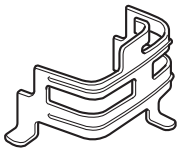
Left center sensor clip (White)



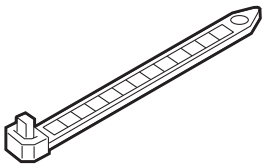
2 Corner sensor clips (White)



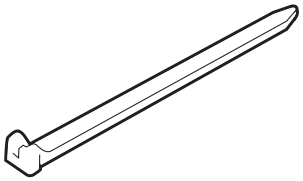
Switch bracket



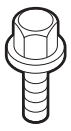
14 Wire ties



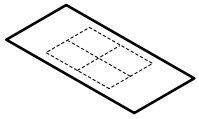
Narrow wire tie



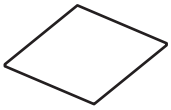
Flange bolt



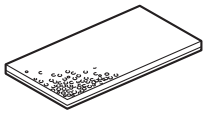
Fuse label



2 Aluminum tapes

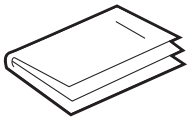


2 Urethane tapes



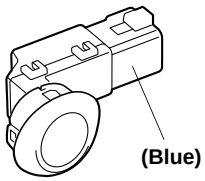
Flange nut
(May not used)

Accessory User's Information Manual

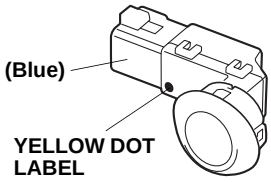


Backup Sensor Kit
P/N 08V67-TK8-100K

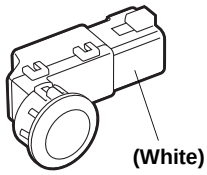
Right center sensor



Left center sensor



2 Corner sensors



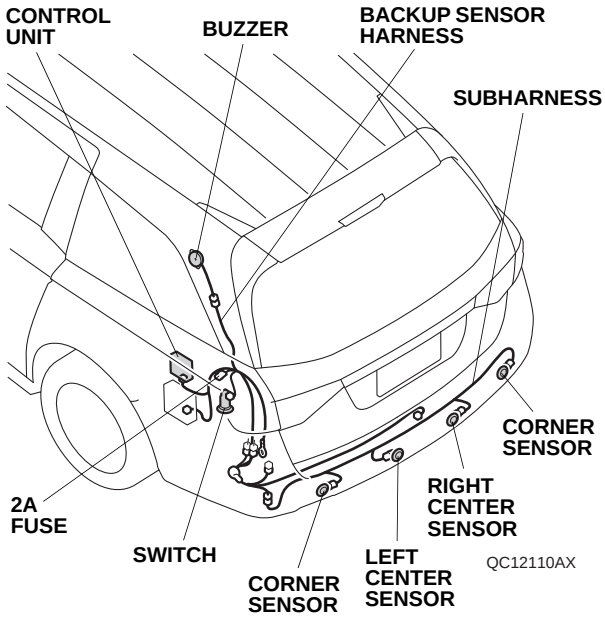
TOOLS AND SUPPLIES REQUIRED

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
Ruler
Blanket
Isopropyl alcohol
Shop towel
24 mm and 26 mm Hole saws
Drill
Tape
Hex wrench
Diagonal cutters
Pliers
Masking tape

The following tool is 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.

• Trim Tool Set (T/N SOJATP2014)

Illustration of the Backup Sensors Installed on the Vehicle



INSTALLATION

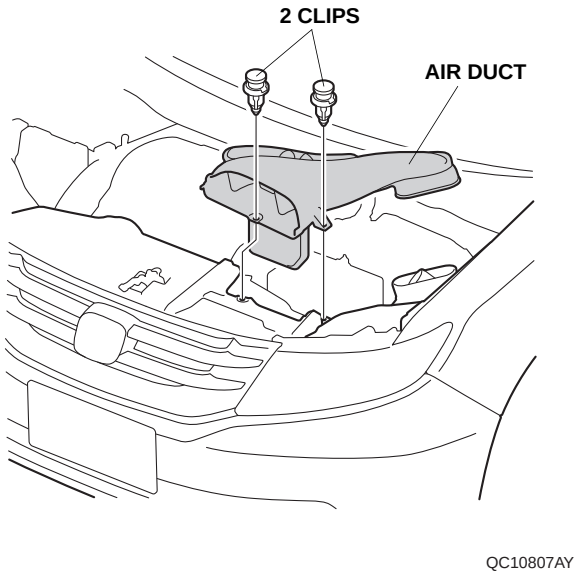
Customer Information: The information in this installation instruction is intended for use only by skilled technicians who have the proper tools, equipment, and training to correctly and safely add equipment to your vehicle. These procedures should not be attempted by "do-it-yourselfers."

NOTE: Refer to Parts Information Bulletin (PIB) for the proper color sensors.

1. Make sure you have the anti-theft code for the radio and navigation system if equipped, then write down the radio station presets.

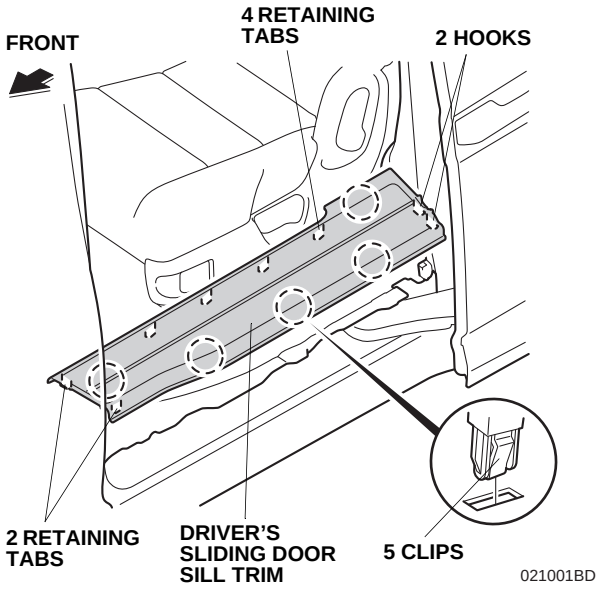
2. Open the tailgate.

3. Open the hood and remove the air duct (two clips).

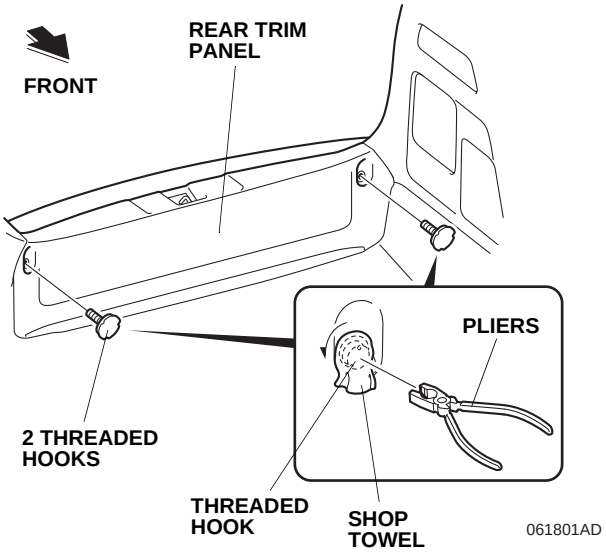


4. Disconnect the negative cable from the battery.

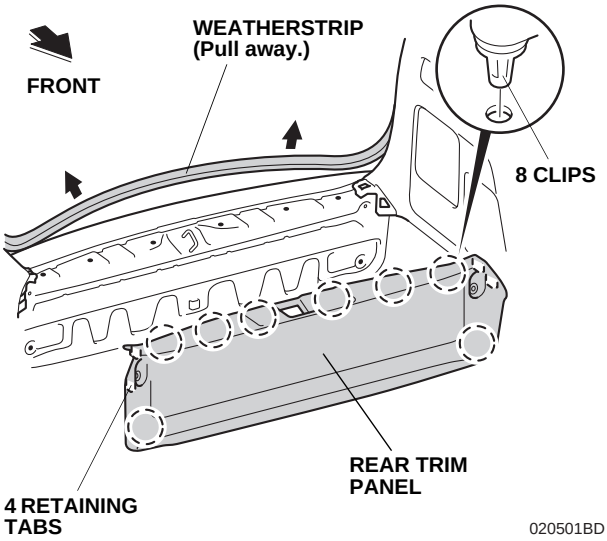
5. Remove the driver's sliding door sill trim (five clips, six retaining tabs and two hooks).



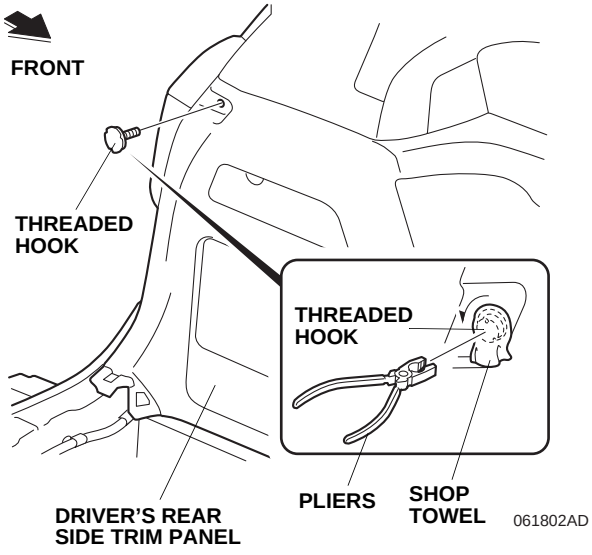
6. Remove the rear trim panel.
   - Using a shop towel and pliers, remove two threaded hooks.



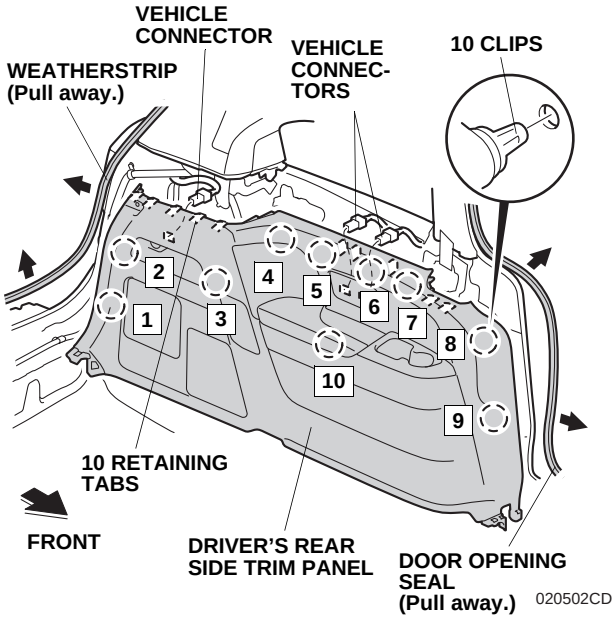
- Pull away the weatherstrip from around the rear trim panel.
- Gently pull out on the rear trim panel to release eight clips and four retaining tabs, and remove the rear trim panel.



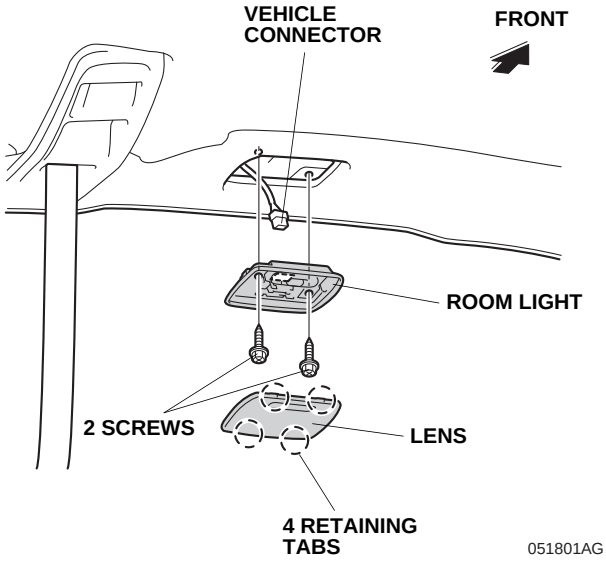
7. Remove the driver's rear side trim panel.
   - Using a shop towel and pliers, remove the threaded hook.



- 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.
- Unplug the vehicle connectors, and remove the driver's rear side trim panel.

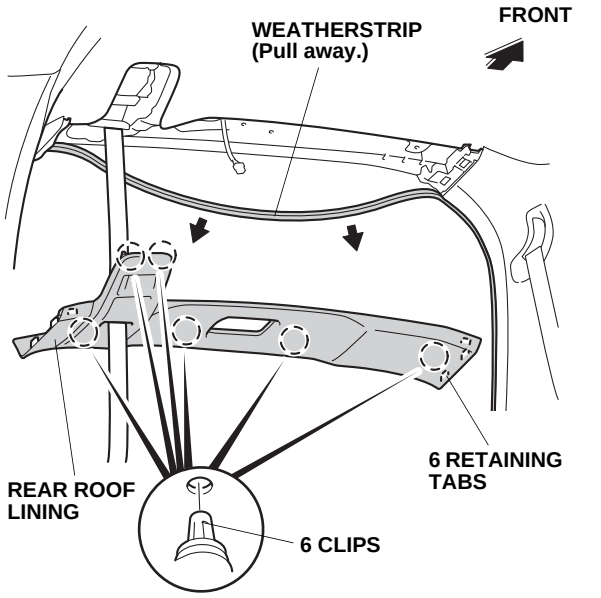


8. Remove the lens from the map light (four retaining tabs).

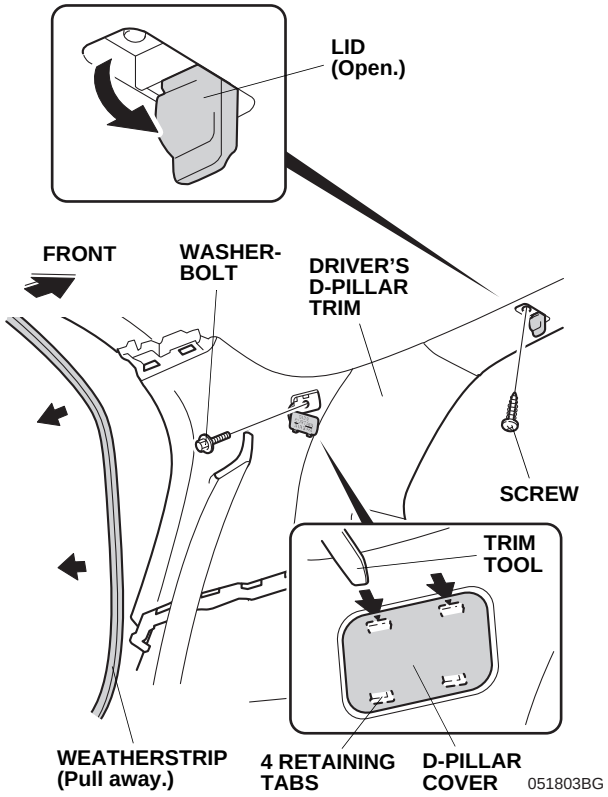


9. Remove the map light (two screws and unplug the vehicle connector).

10. Remove the rear roof lining (six retaining tabs and six clips). Pull away the weatherstrip from around the rear roof lining.



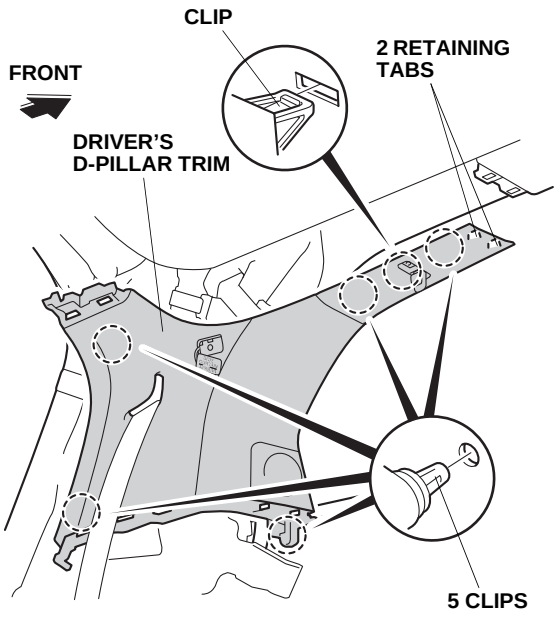
11. Using a trim tool, remove the D-pillar cover (four retaining tabs). Pull away the weatherstrip from around the driver's D-pillar trim.



12. Remove the washer-bolt from the driver's D-pillar.

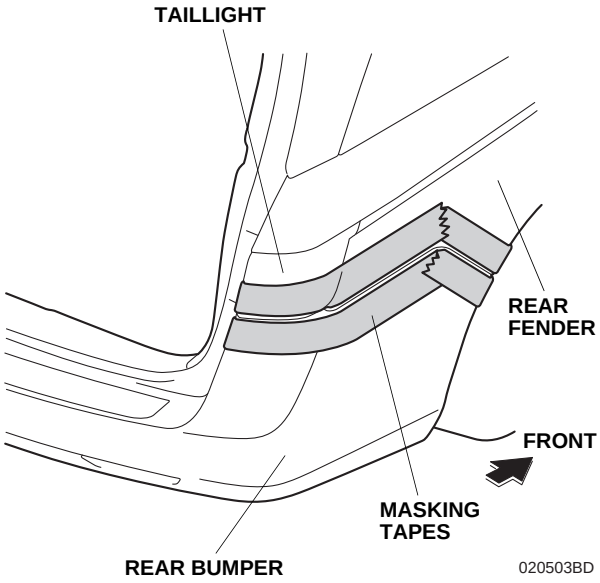
13. Open the lid, remove the screw from the driver's D-pillar.

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



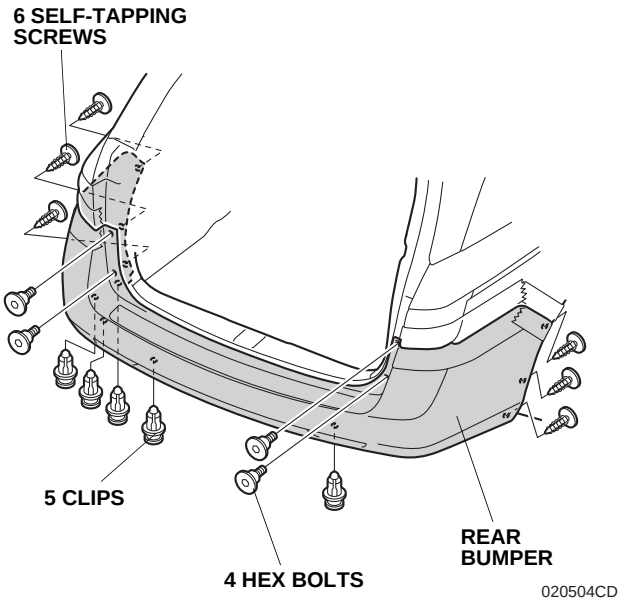
020501CG

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



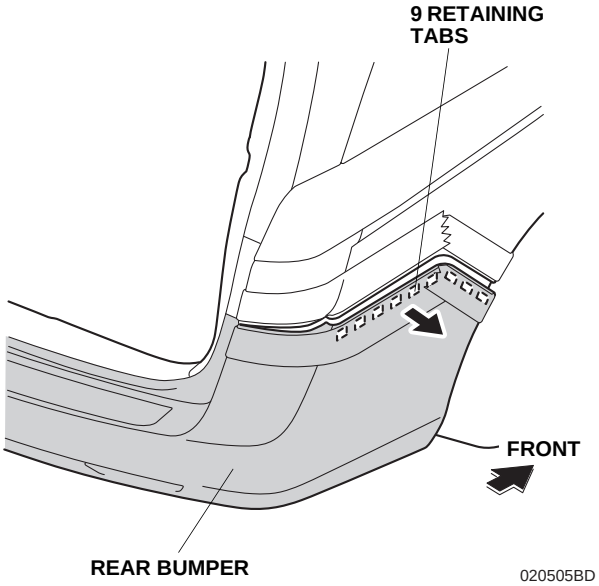
020503BD

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



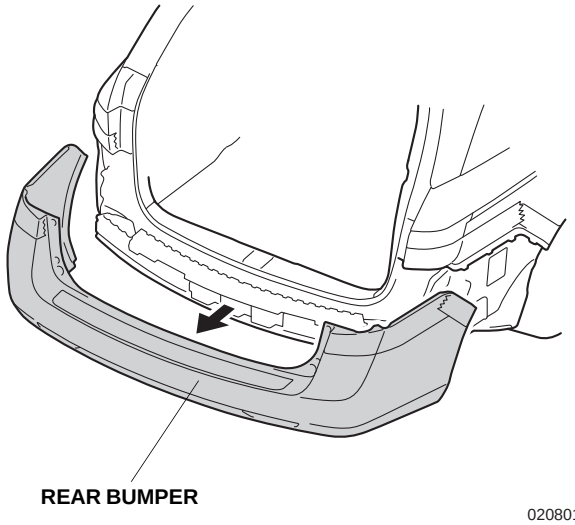
020504CD

    - On each side, release nine retaining tabs.



020505BD

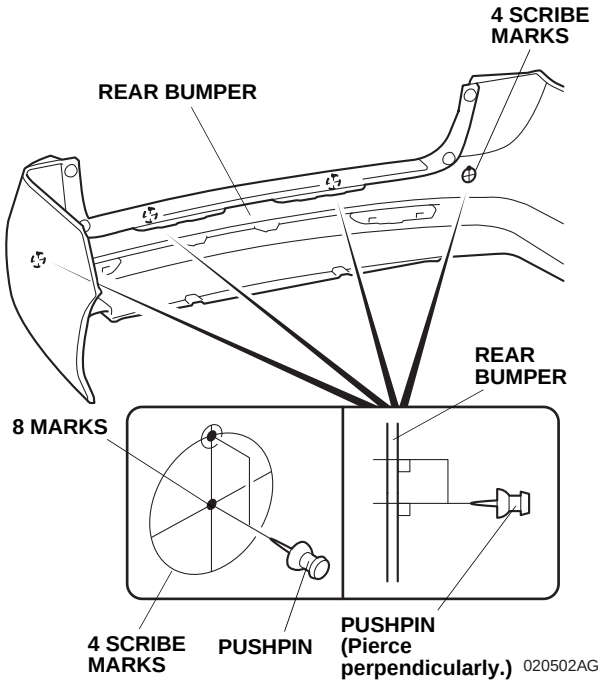
- With the help of an assistant, remove the rear bumper.
- Place the rear bumper on a blanket.



020801BD

Installing the Backup Sensors

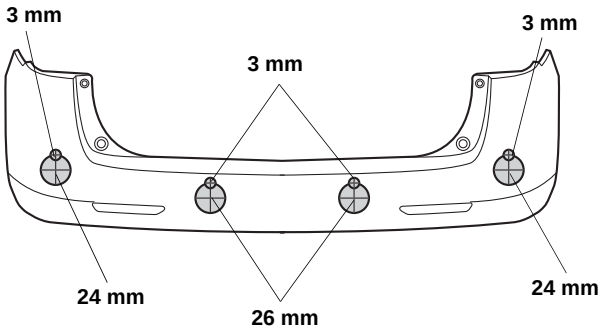
17. From inside of the rear bumper, use a pushpin to pierce eight marks as shown.
NOTE: Make sure to pierce the scribe marks perpendicularly to the rear bumper.



020502AG

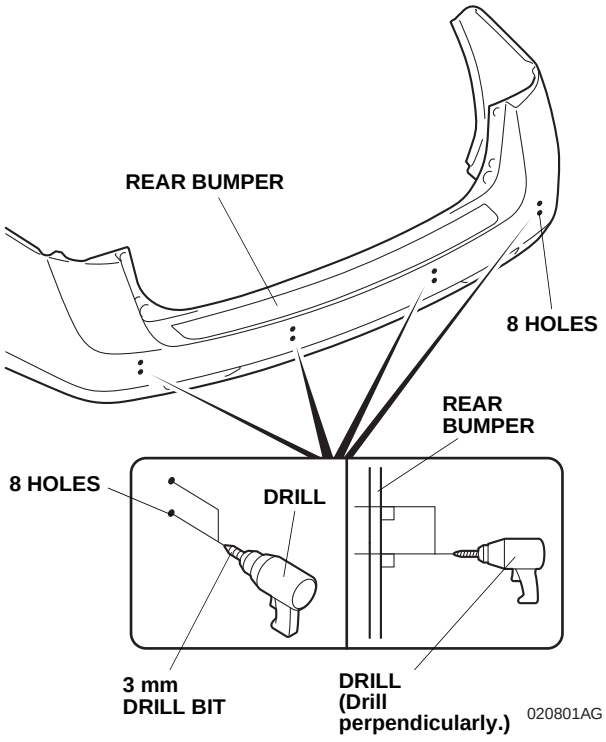
NOTE:

- Proceed with the installation according to the illustration below.
- Make sure to check the scribe marks on the inside the rear bumper before proceeding with the next step. Pierce the center of the scribe mark from the “inside” of the rear bumper and drill the holes from the “outside” of the rear bumper.



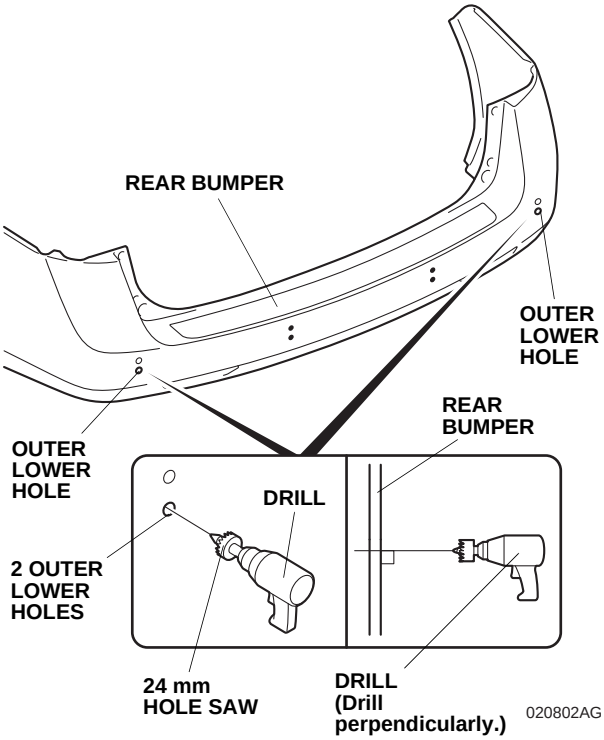
020503BG

18. Wearing eye protection, drill eight holes on the outside of the rear bumper with a 3 mm drill bit.
NOTE: Make sure to drill perpendicularly to the rear bumper.

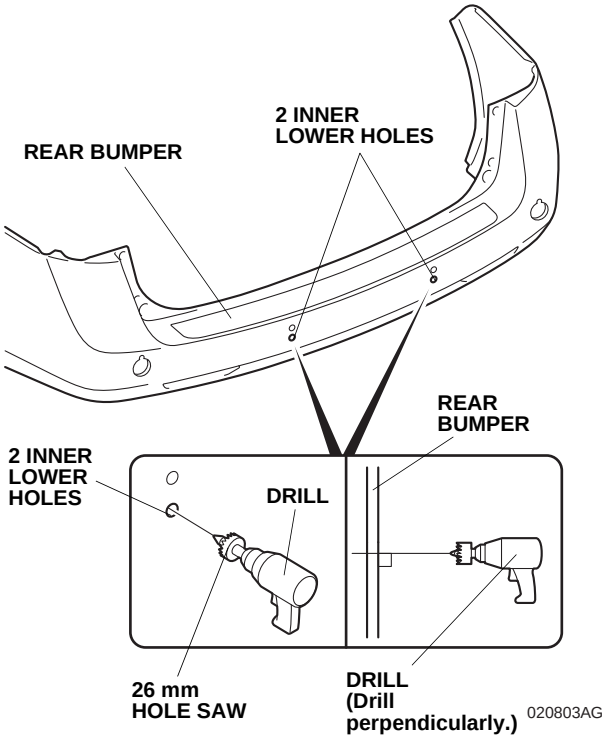


020801AG

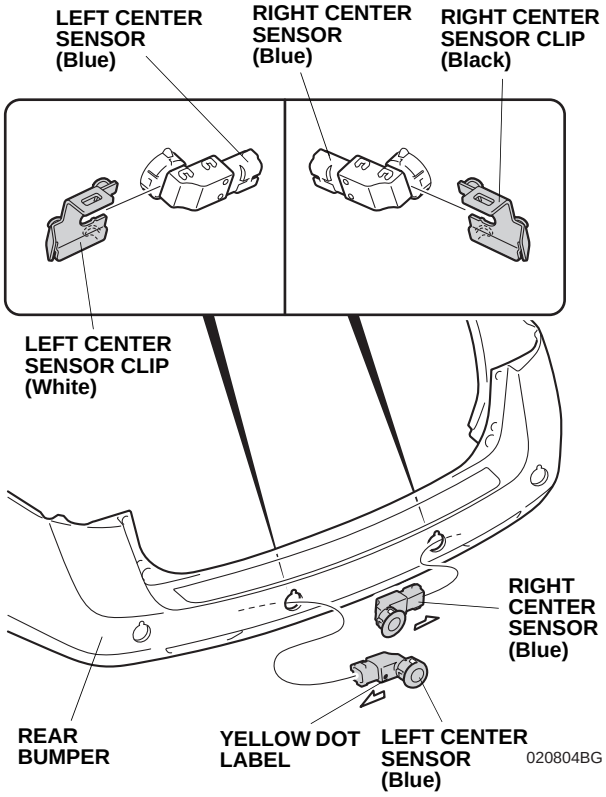
19. From outside of the rear bumper, drill two outer lower holes with a 24 mm hole saw.
NOTE: Make sure to drill perpendicularly to the rear bumper. Remove any burrs.



20. From outside of the rear bumper, drill two inner lower holes with a 26 mm hole saw.
NOTE: Make sure to drill perpendicularly to the rear bumper. Remove any burrs.

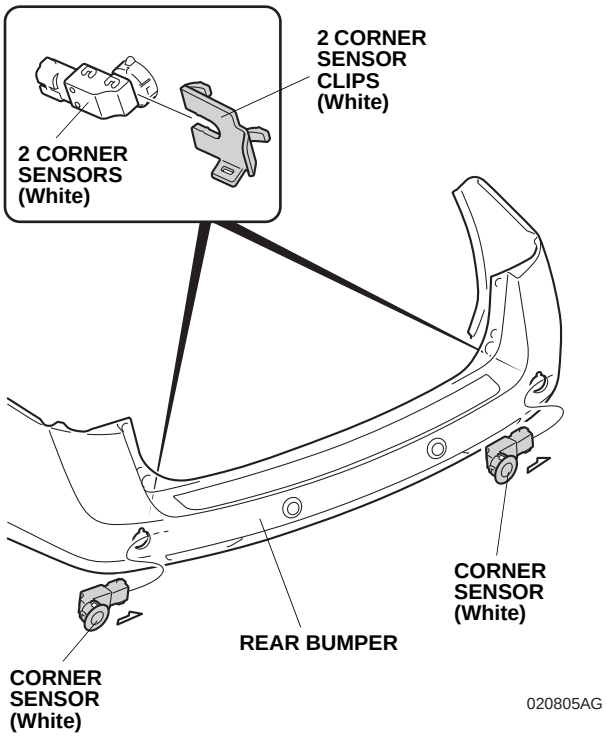


21. Insert the right center sensor (Blue) and left center sensor (Blue) to the rear bumper.
NOTE: The left center sensor (Blue) has the yellow dot label.



22. Secure the right center sensor (Blue) with right center sensor clip (Black) and the left center sensor (Blue) with left center sensor clip (White) as shown.

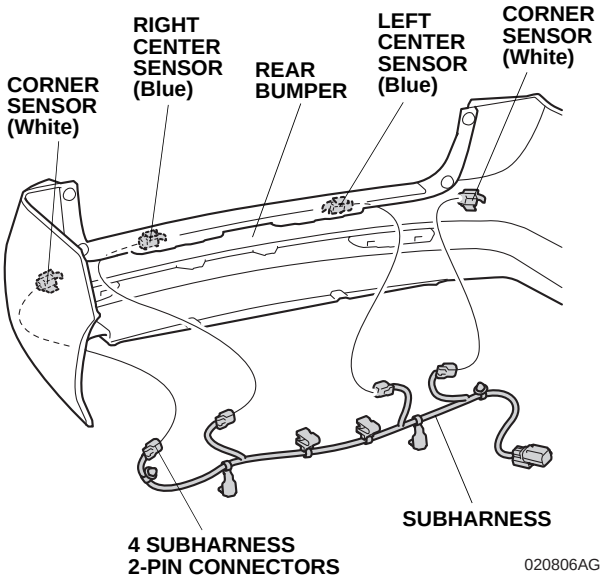
23. Insert two corner sensors (White) to the rear bumper.



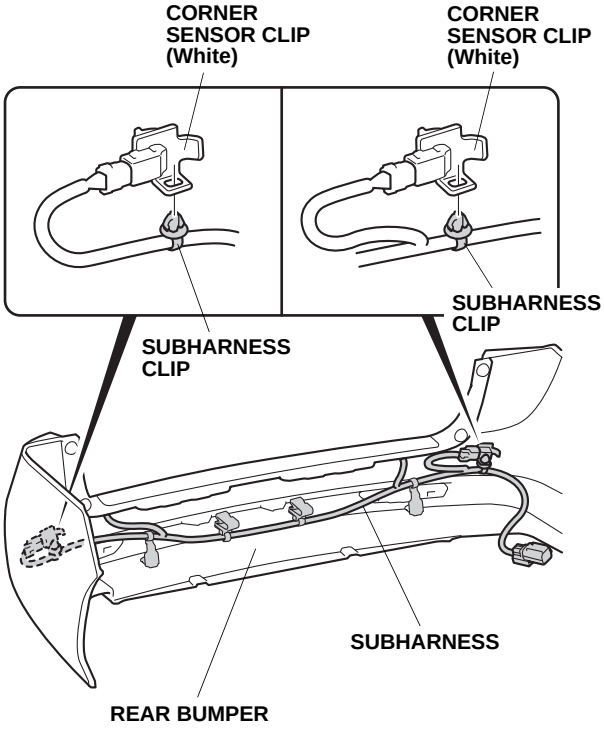
24. Secure two corner sensors (White) with two corner sensor clips (White) as shown.

Routing the Subharness

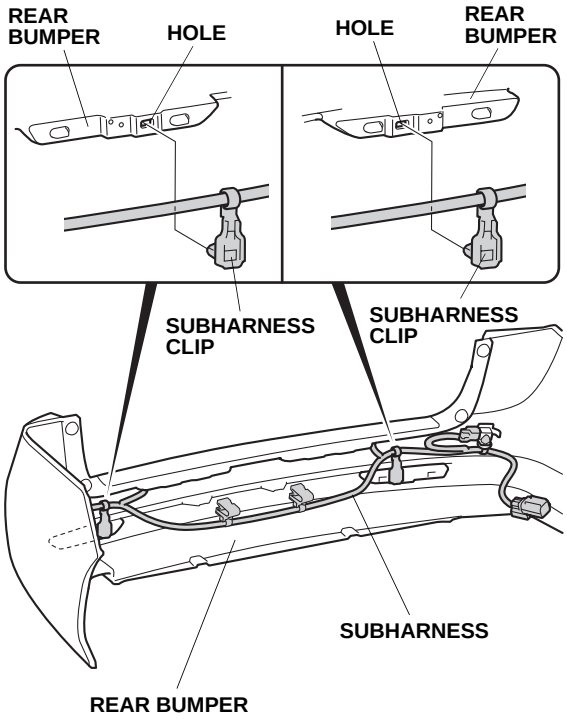
25. Plug four subharness 2-pin connectors to the right center sensor (Blue), left center sensor (Blue) and two corner sensors (White).



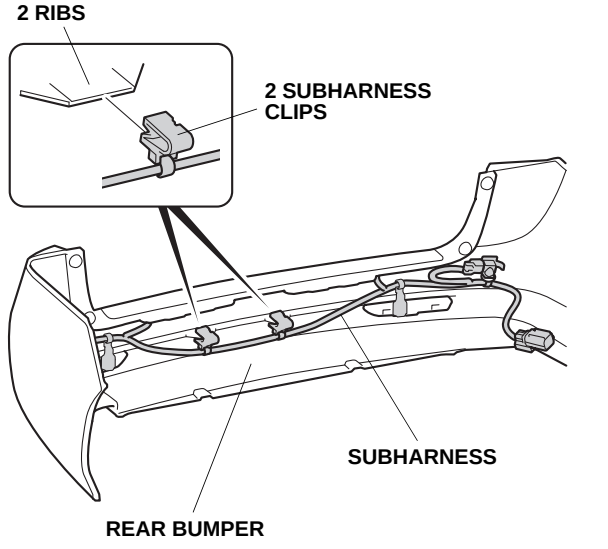
26. Secure two subharness clips to two corner sensor clips (White) as shown.



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

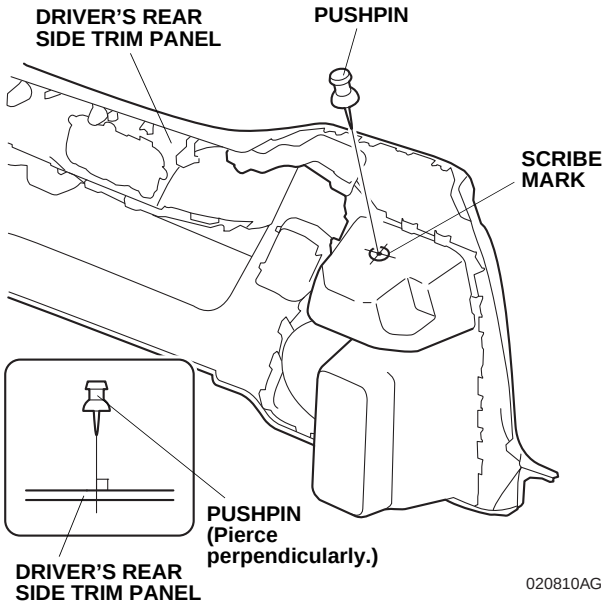


28. Secure two subharness clips to two ribs on the rear bumper as shown.

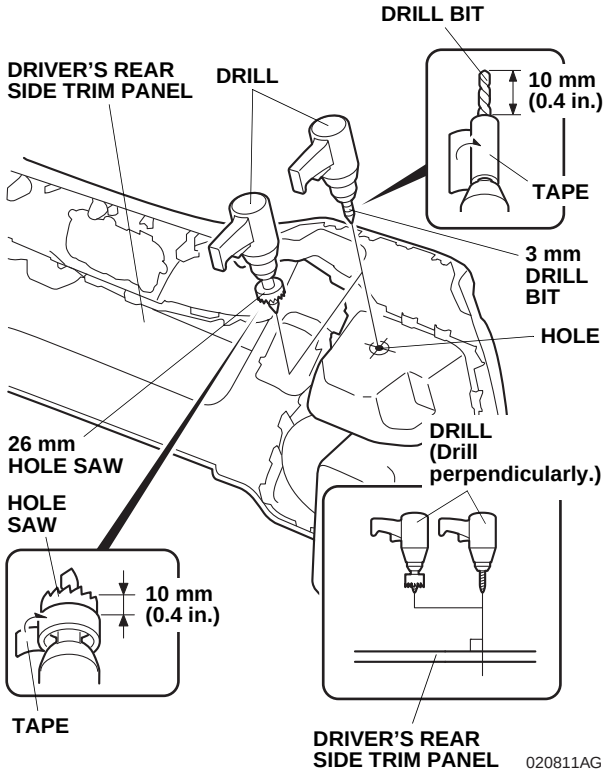


Installing the Switch

29. 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.



30. Wrap tape around the drill bit 10 mm away from the tip as shown.

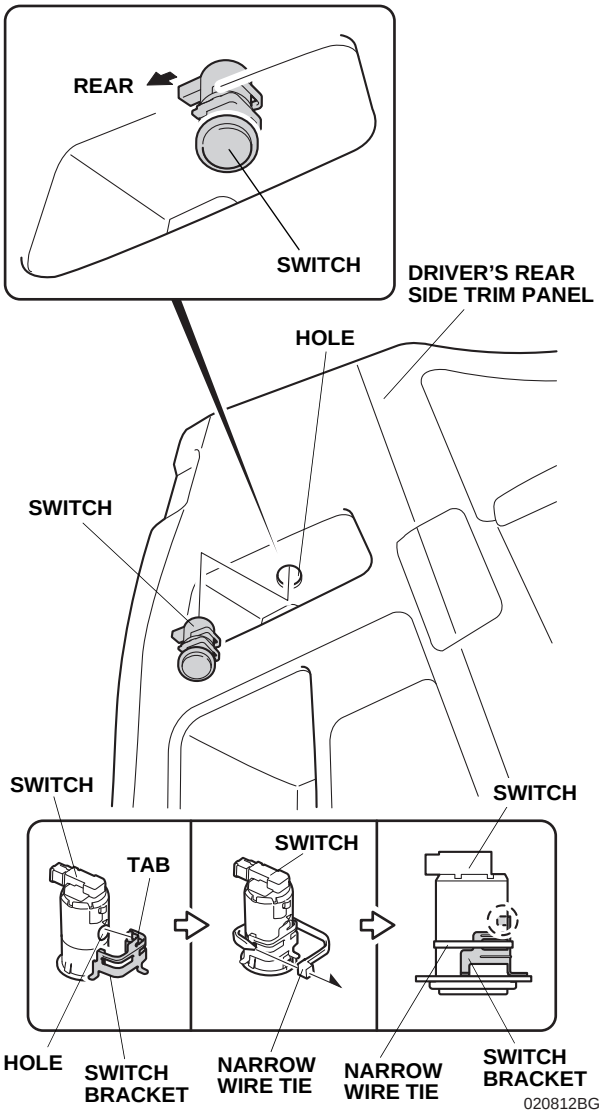


31. From inside of the driver's rear side trim panel, wear eye protection and drill one hole with a 3 mm drill bit.
NOTE: Make sure to drill perpendicularly to the driver's rear side trim panel. Do not damage the driver's rear side trim panel.

32. Wrap tape around the hole saw 10 mm away from the tip.

33. Drill one hole with a 26 mm hole saw.
NOTE: Make sure to drill perpendicularly to the driver's rear side trim panel. Do not damage the driver's rear side trim panel. Remove any burrs.

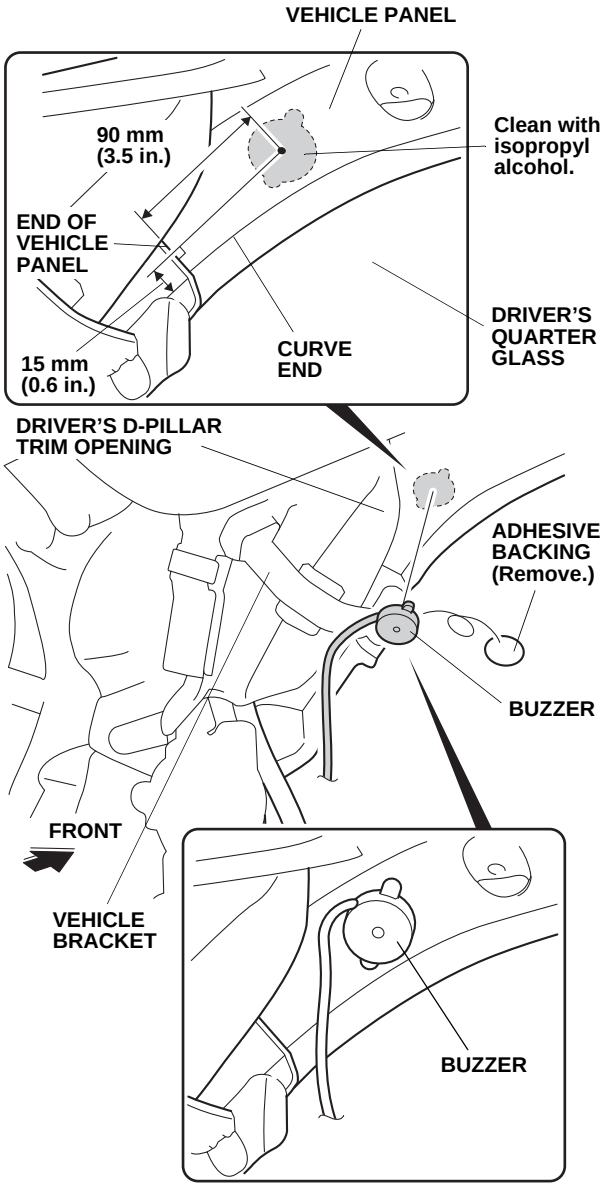
34. Install the switch to the driver's rear side trim panel.
NOTE: Make sure the switch is installed in the correct orientation.



35. 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.

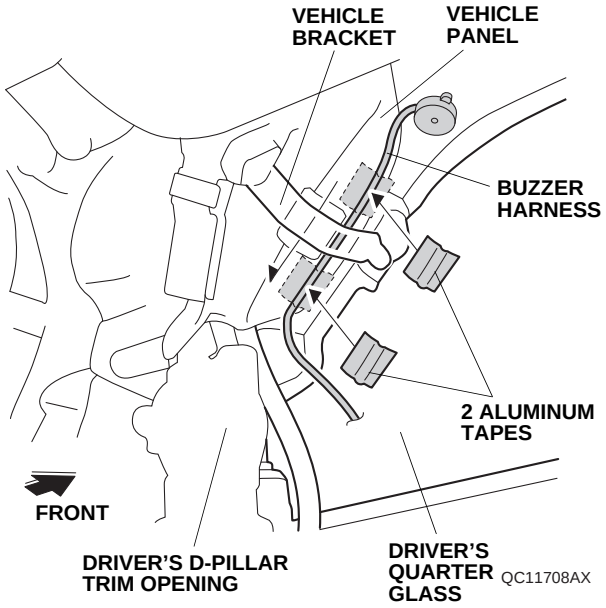
Installing the Buzzer

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



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

38. Route the buzzer harness as shown.

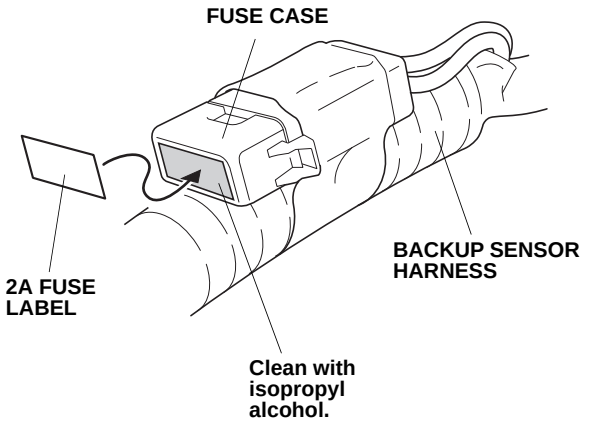


39. Using isopropyl alcohol on a shop towel, thoroughly clean the areas where the aluminum tapes will attach.

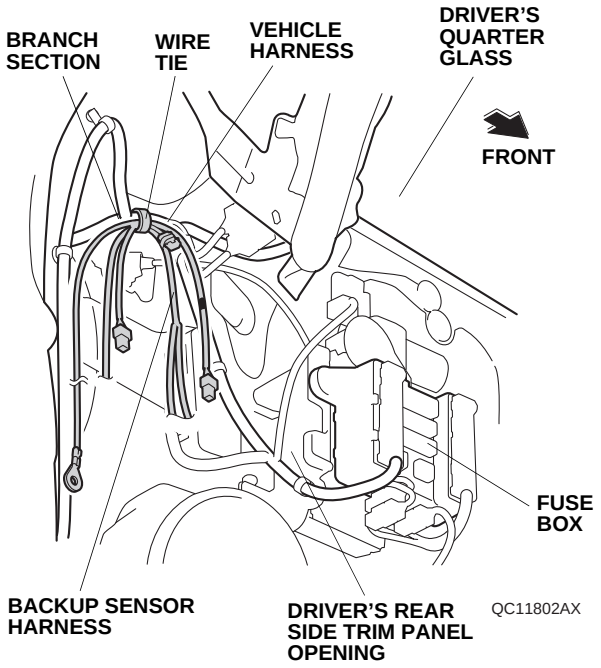
40. Secure the buzzer harness to the vehicle panel with two aluminum tapes.

Routing the Backup Sensor Harness and Installing the Control Unit

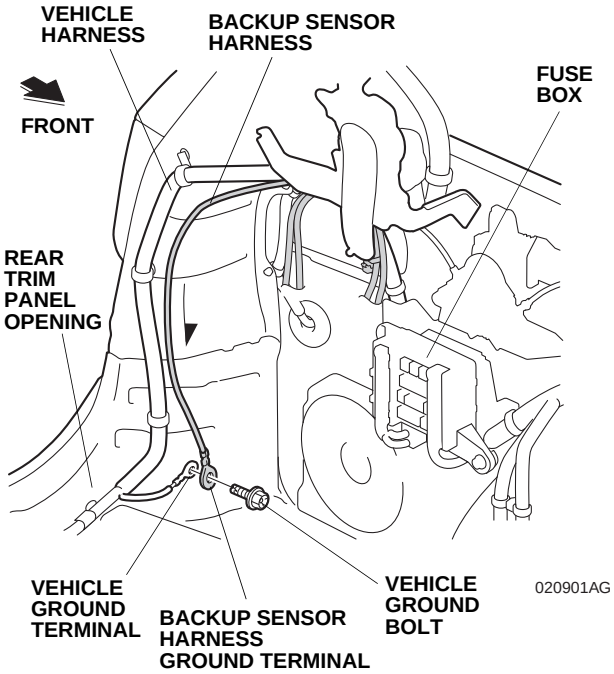
41. Using isopropyl alcohol on a shop towel, thoroughly clean the area where the fuse label will attach. Attach 2A fuse label to the fuse case on the backup sensor harness.



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

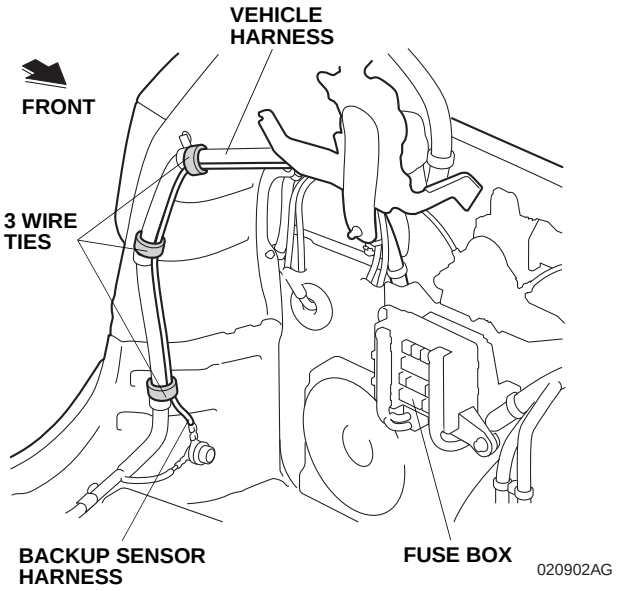


43. Route the backup sensor harness ground terminal along the vehicle harness.

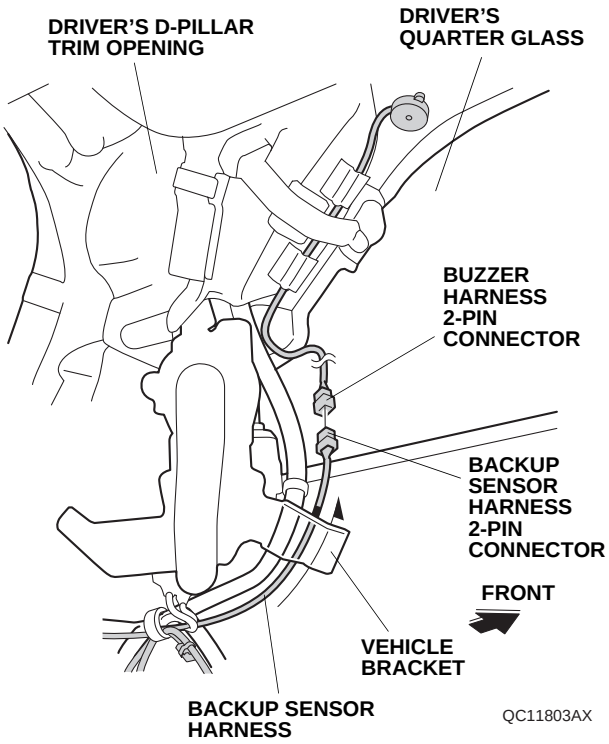


44. Remove one vehicle ground bolt and secure the backup sensor harness ground terminal to the vehicle ground terminal with the vehicle ground bolt just removed.

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

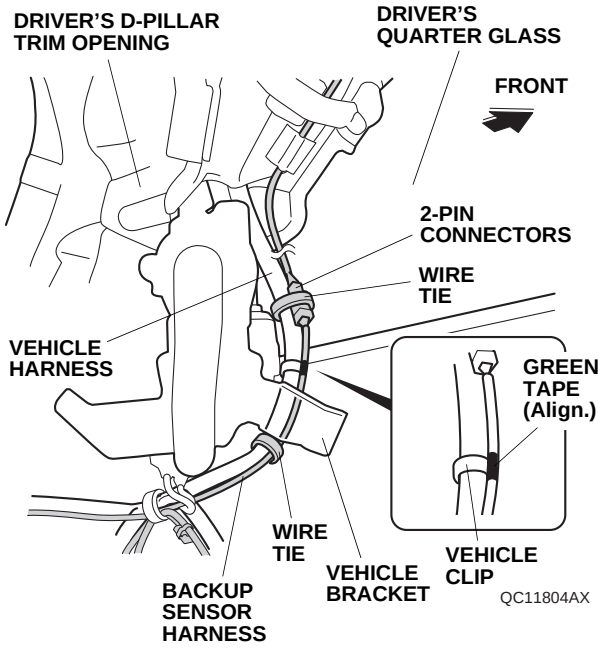


46. Route the backup sensor harness 2-pin connector along the vehicle harness.



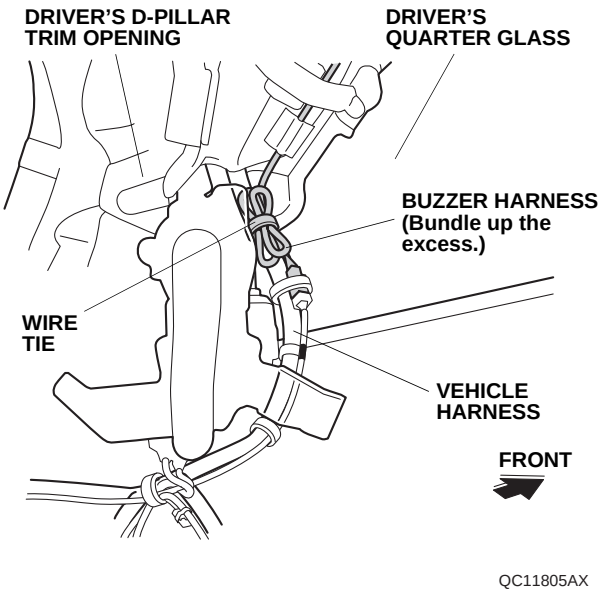
47. Plug the backup sensor harness 2-pin connector to the buzzer harness 2-pin connector.

48. 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.

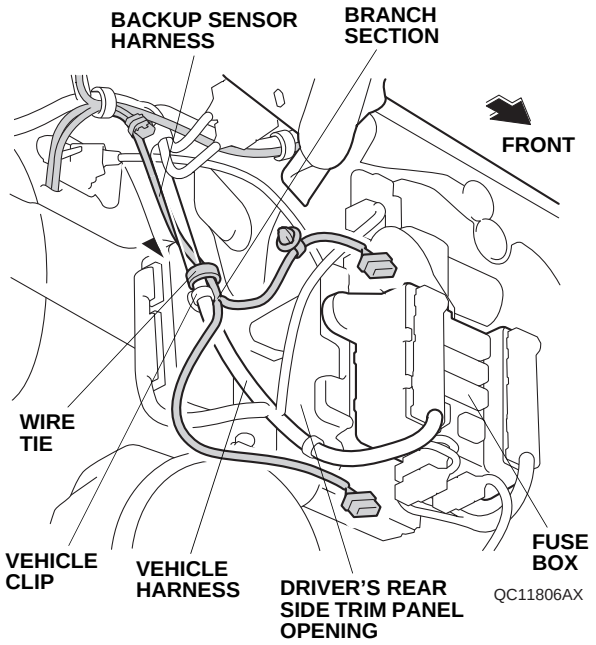


49. Secure the backup sensor harness to the vehicle harness with one wire tie.

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



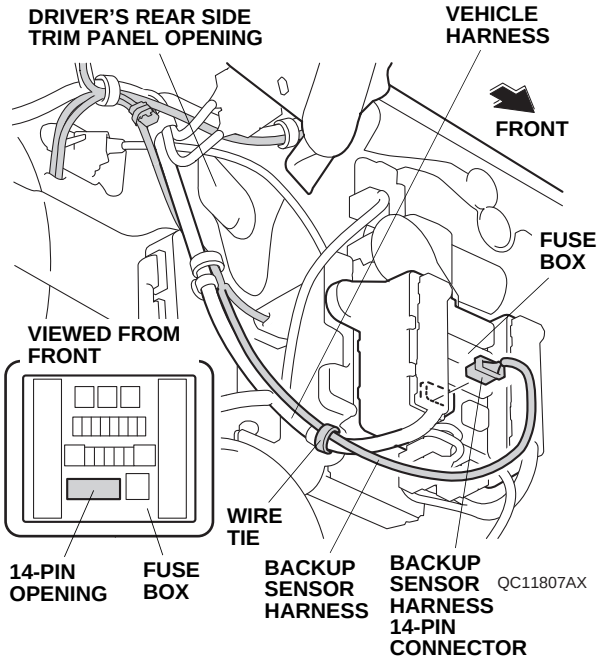
51. Route the backup sensor harness along the vehicle harness, and secure it to the vehicle harness with one wire tie as shown.



If the vehicle is equipped with the trailer hitch, go to step 54; otherwise, continue with step 52.

Without trailer hitch

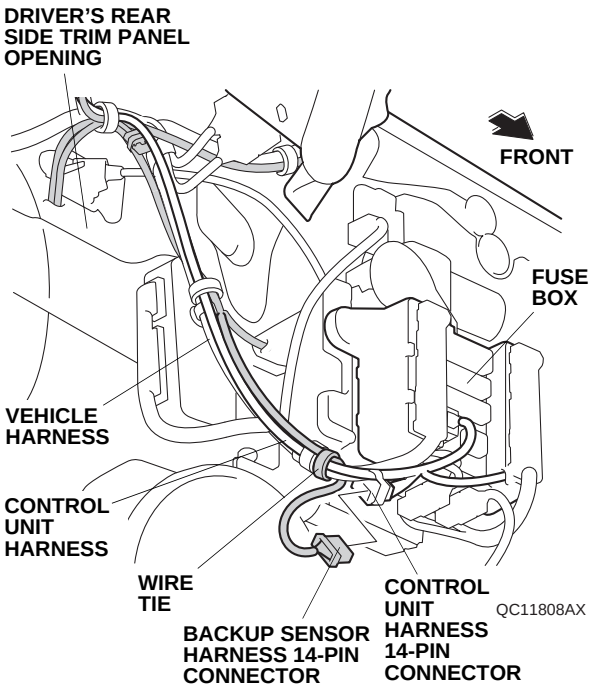
52. Plug the backup sensor harness 14-pin connector to the fuse box.



53. Secure the backup sensor harness to the vehicle harness with one wire tie. Go to step 56.

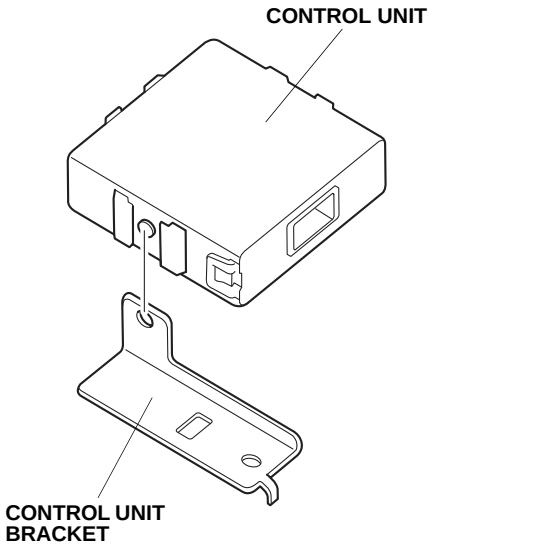
With trailer hitch

54. Plug the backup sensor harness 14-pin connector to the control unit harness 14-pin connector.



55. Secure the backup sensor harness to the vehicle harness and control unit harness with one wire tie.

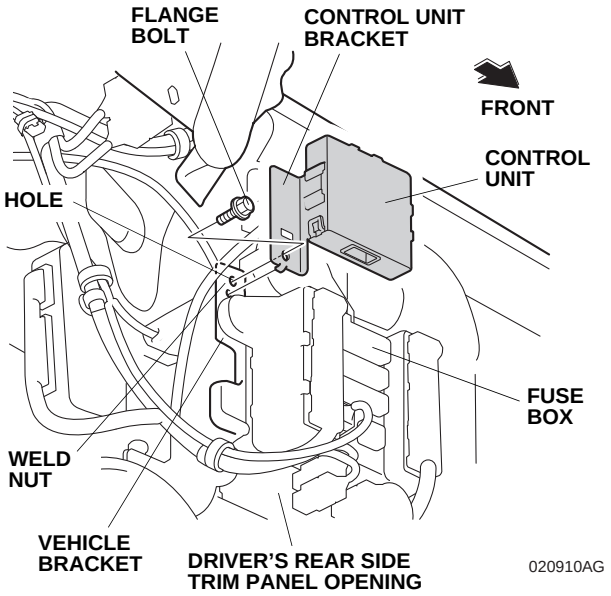
56. Install the control unit bracket to the control unit.



If the vehicle is equipped with the weld nut on the vehicle bracket, continue with step 57; otherwise, go to step 58.

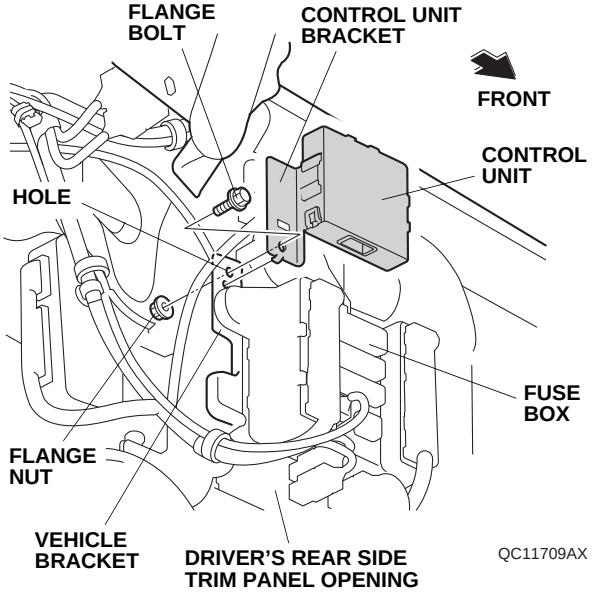
With weld nut

57. Align the control unit bracket to the hole on the vehicle bracket, and secure it to the vehicle bracket with one flange bolt. Go to step 59.

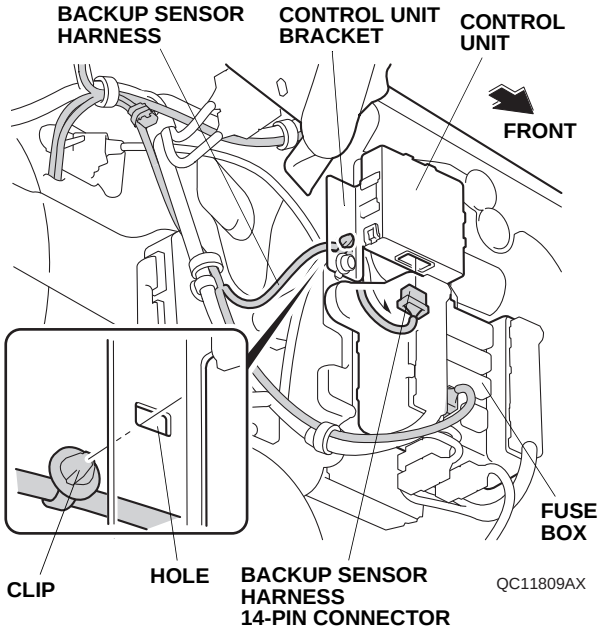


Without weld nut

58. Align the control unit bracket to the hole on the vehicle bracket, and secure it to the vehicle bracket with one flange bolt and one flange nut.

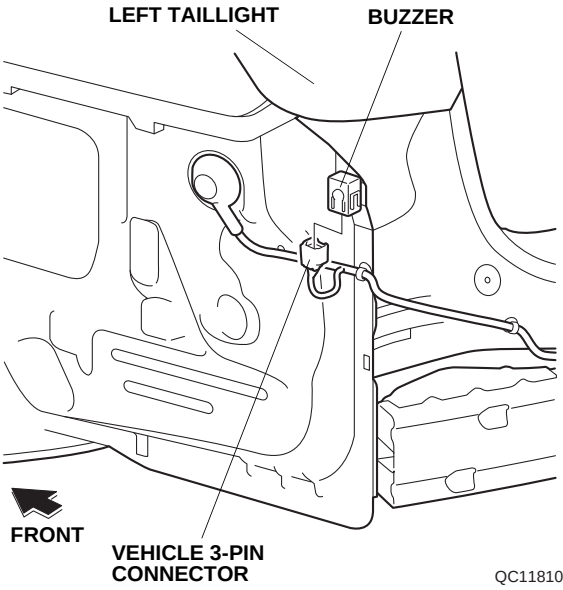


59. Route the backup sensor harness 14-pin connector, and plug it to the control unit.

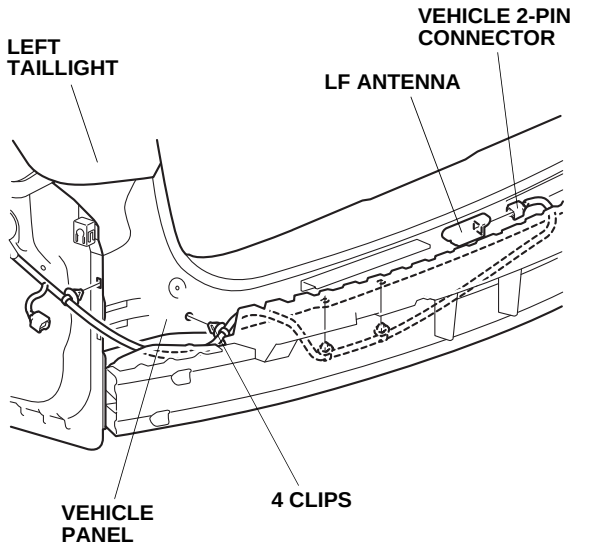


60. Secure the clip on the backup sensor harness to the hole on the control unit bracket as shown.

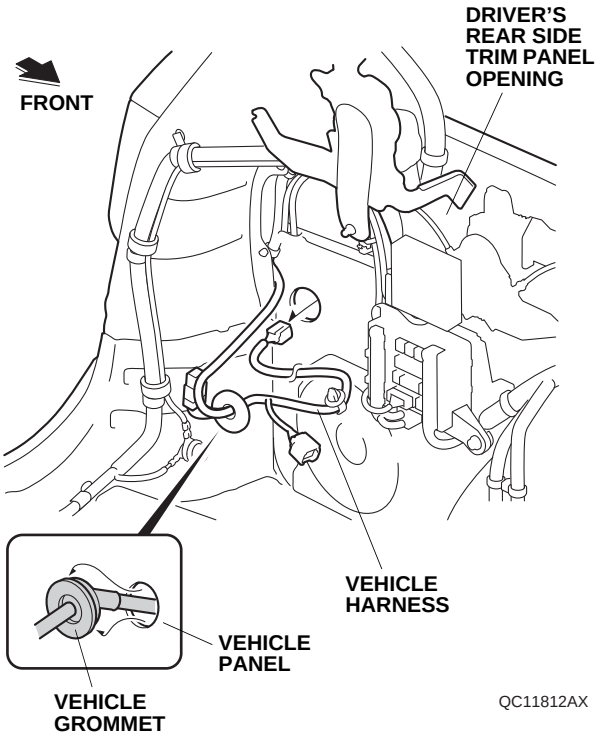
61. Unplug the vehicle 3-pin connector from the buzzer.



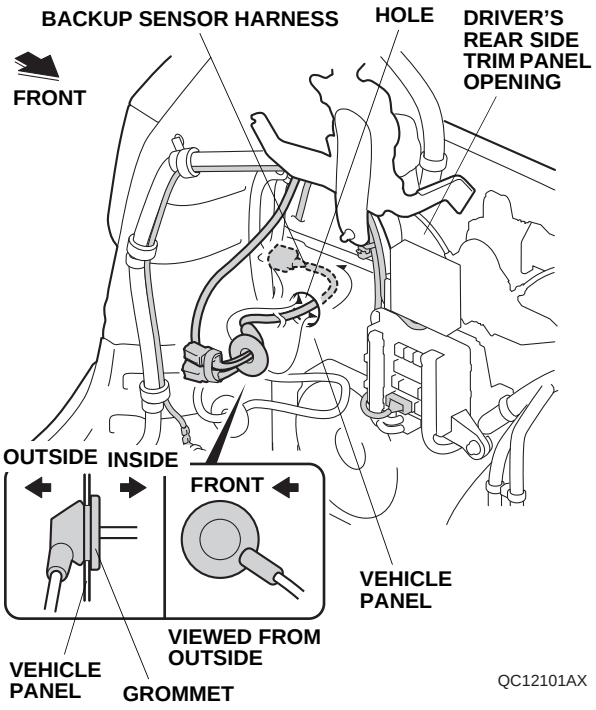
62. Unplug the vehicle 2-pin connector from the LF antenna, and release the four clips from the vehicle panel.



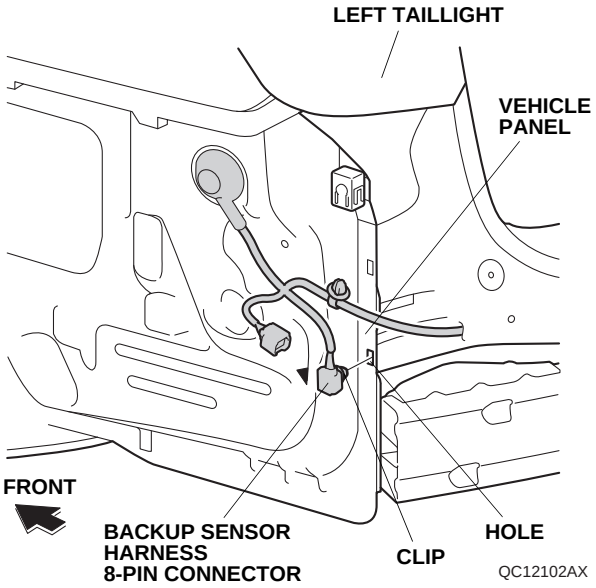
63. Release the vehicle grommet, pull out the vehicle harness from the inside of the vehicle.
NOTE: Do not pull on the vehicle harness.



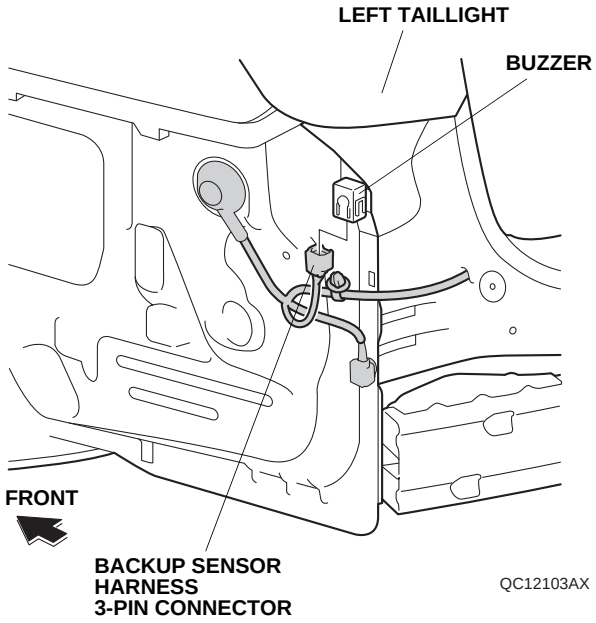
64. Route the backup sensor harness through the hole, and secure the grommet on the backup sensor harness to the vehicle panel as shown.
NOTE: Do not pull on the backup sensor harness.



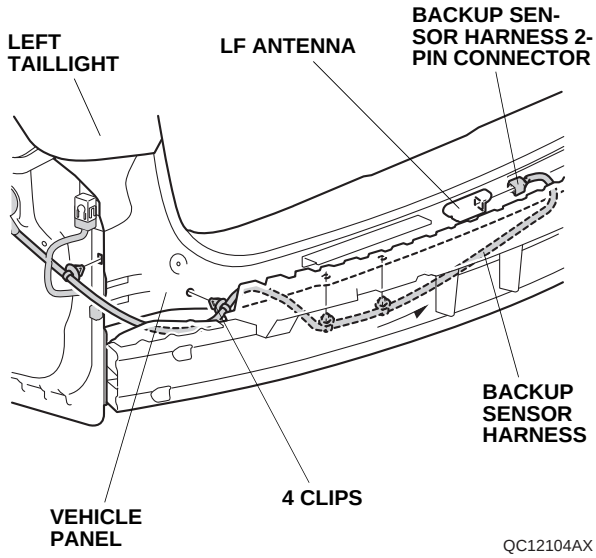
65. Route the backup sensor harness 8-pin connector, and secure the clip on the backup sensor harness 8-pin connector to the hole on the vehicle panel.



66. Plug the backup sensor harness 3-pin connector to the buzzer.

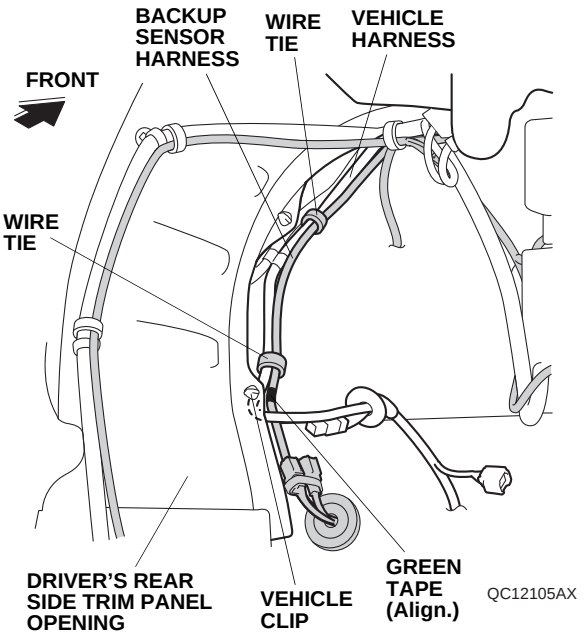


67. Route the backup sensor harness, and install the four clips on the backup sensor harness to the vehicle panel.



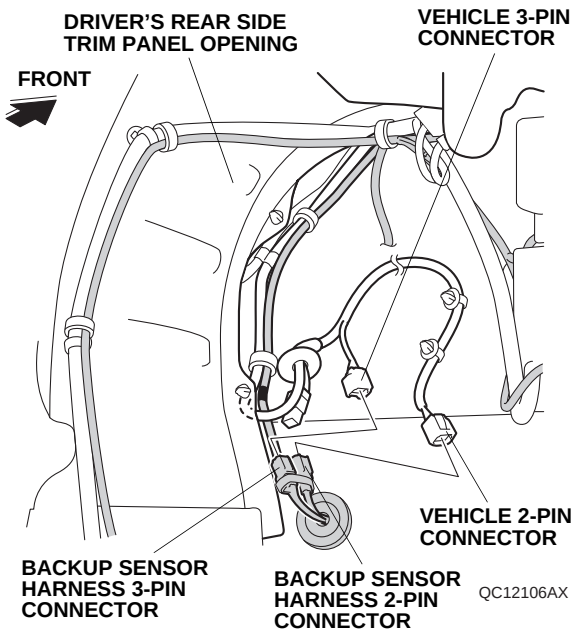
68. Plug the backup sensor harness 2-pin connector to the LF antenna.

69. Align the green tape on the backup sensor harness to the vehicle clip, and secure the backup sensor harness to the vehicle harness with one wire tie.



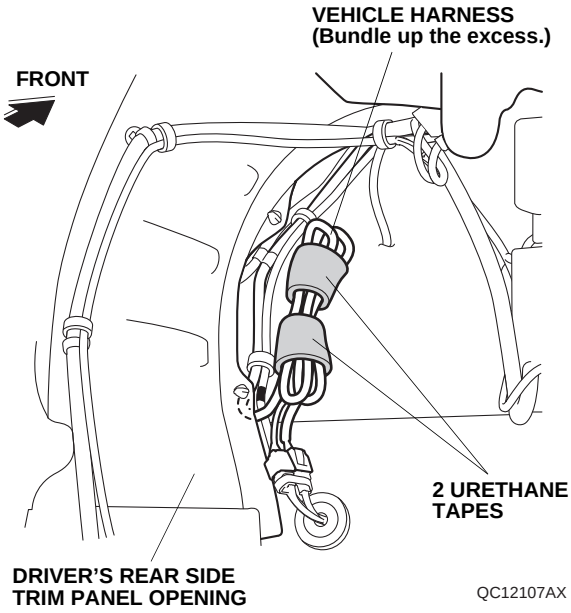
70. Secure the backup sensor harness to the vehicle harness with one wire tie.

71. Plug the vehicle 3-pin connector to the backup sensor harness 3-pin connector.

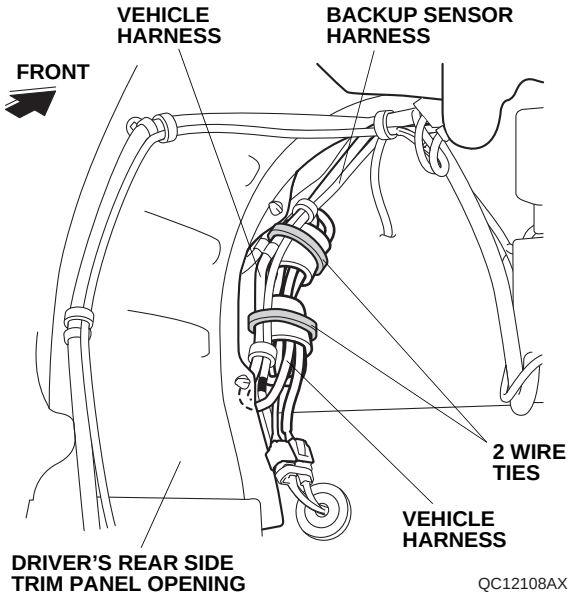


72. Plug the vehicle 2-pin connector to the backup sensor harness 2-pin connector.

73. Bundle up the excess vehicle harness, and wrap the two urethane tapes to the vehicle harness as shown.

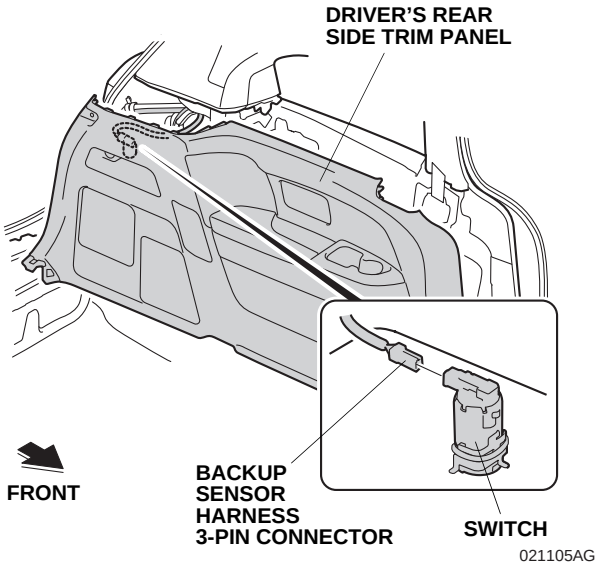


74. Secure the vehicle harness to the backup sensor harness and vehicle harness with two wire ties as shown.



AII 49669 (1306)

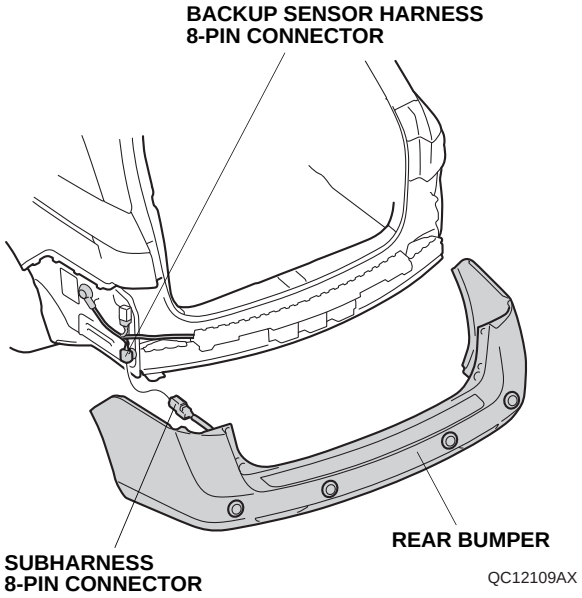
75. Reinstall the driver's D-pillar trim.



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

77. Reinstall the driver's rear side trim panel.

78. With the help of an assistant, bring the rear bumper to the vehicle, and plug the subharness 8-pin connector to the backup sensor harness 8-pin connector. Reinstall the rear bumper.



79. Check that all wire harnesses are routed properly and that all connectors are plugged in.

80. Reconnect the negative cable to the battery.

81. Enter the customer's anti-theft code for the audio and navigation system if equipped, and reset the radio station presets.

82. Reset the clock.

83. Reinstall all removed parts.

84. If the vehicle is equipped with the power tailgate, check operation by opening and closing the power tailgate.

85. If the vehicle is equipped with the keyless access system, check operation the keyless access system.

86. Check that the backup sensors work properly as described in the Accessory User's Information Manual supplied with the backup sensor kit.

Adjust the Volume Control

The factory setting is maximum volume. After confirming the operation, turn the volume control knob to the appropriate level, using a small flat-tip screwdriver. Do not force the adjuster as it could damage the unit.