HONDA

INSTALLATION INSTRUCTIONS

Accessory	Application	Publications No.
BACKUP SENSORS	2019 CR-V	VERSION 1
		Issue Date OCT 2018

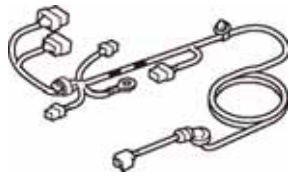
PARTS LIST

Backup Sensors Attachment Kit
P/N 08V67-TLA-100A

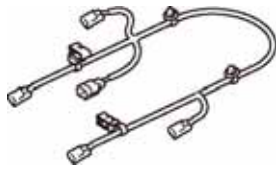
Control unit

Control unit bracket

Backup sensor harness



Subharness



Buzzer

Fuse label

8 Wire ties
(Some may not be used.)

Urethane tape

8 Aluminum tapes

Switch

Switch bracket

Narrow wire tie

3 Wire ties with clip
(Some may not be used.)

Flange bolt

Holder

Clip

2 Shims

Accessory user's information manual

Backup Sensors Kit
P/N 08V67-TLA-100K

NOTE: Refer to the parts information bulletin (PIB) for the proper color sensors.

2 Corner sensors
(white)

Left center sensor
(Identification mark: L) (blue)

Right center sensor
(Identification mark: R) (blue)

2 Corner sensor clips
(white)

Left center sensor clip
(white)

Right center sensor clip
(green)

AII10312-26 (1810)

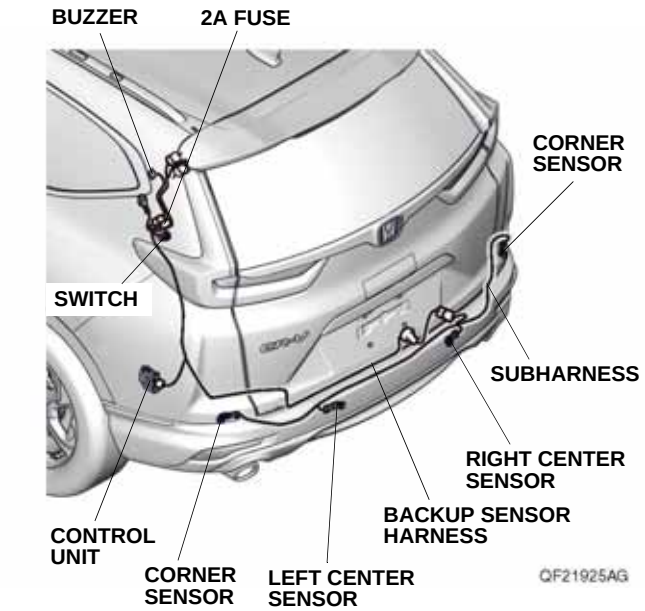
TOOLS AND SUPPLIES REQUIRED

Phillips screwdriver
Small flat-tip screwdriver
10 mm Open end wrench
10 mm Socket
Pushpin
Ratchet
3 mm Drill bit
Eye protection (face shield, safety goggles, etc.)
File
Masking tape
5 mm Hex wrench
Blanket
Isopropyl alcohol
Shop towel
24 mm and 26 mm Hole saws
Drill
Stubby Phillips screwdriver
Diagonal cutters
Utility knife
Rubber mallet
Scissors
Ruler

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 on the Vehicle



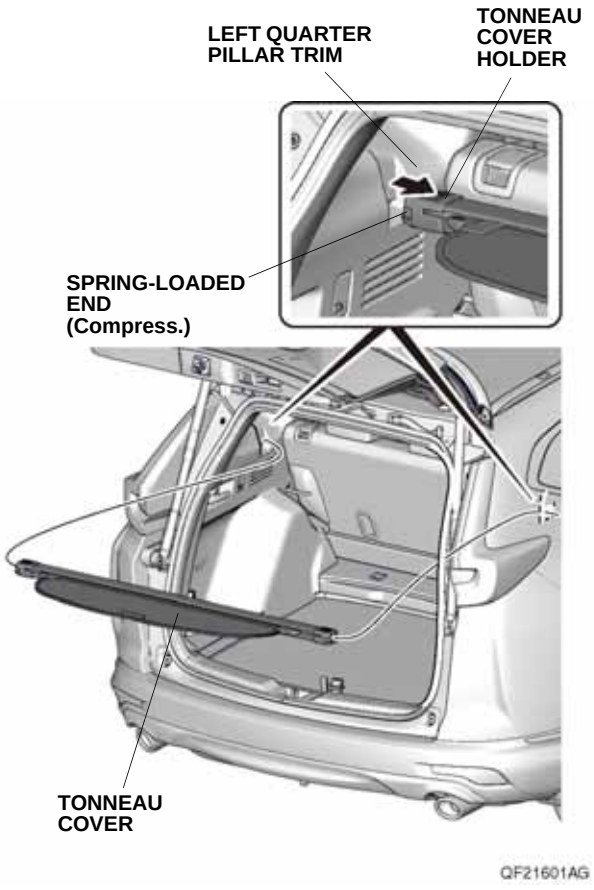
INSTALLATION

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."

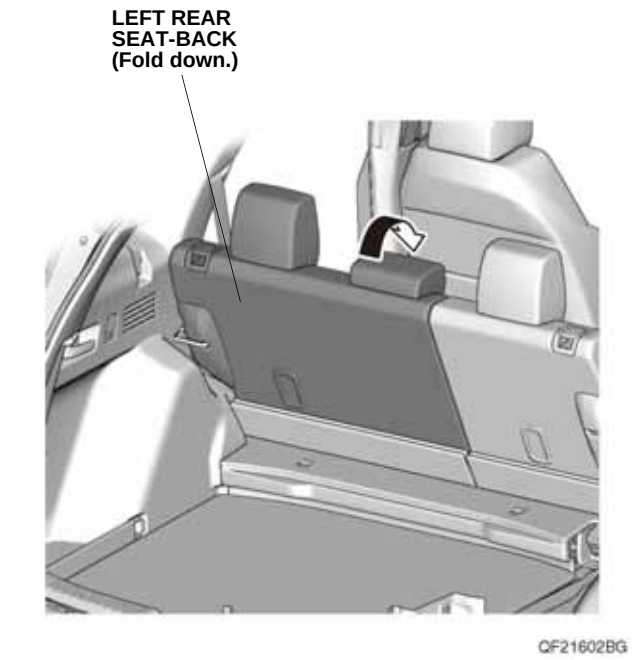
NOTE: Refer to the parts information bulletin (PIB) for the proper color sensors.

1. Disconnect the negative cable from the battery.

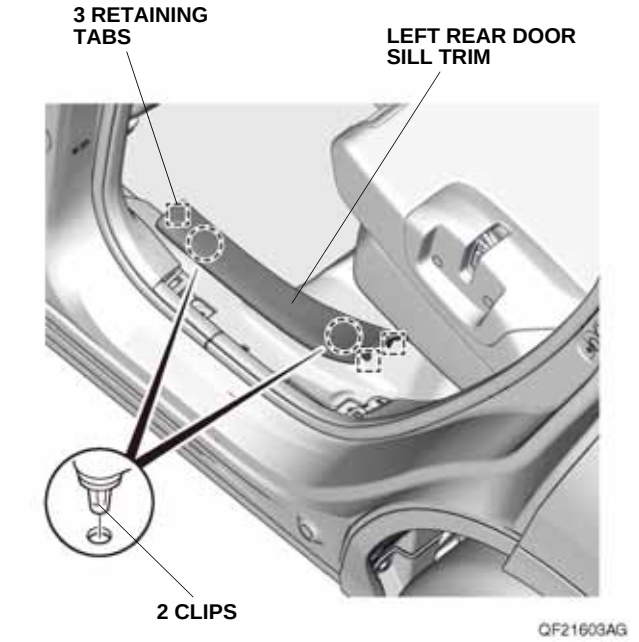
2. If equipped, remove the tonneau cover.



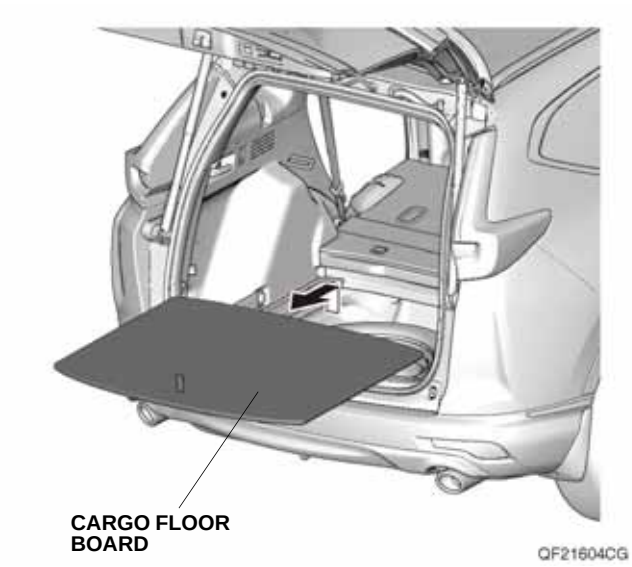
3. Fold down the left rear seat-back.



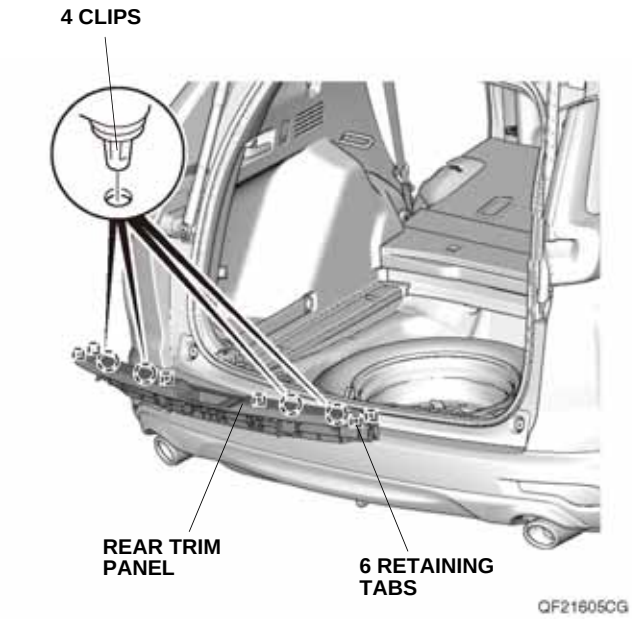
4. Remove the left rear door sill trim.



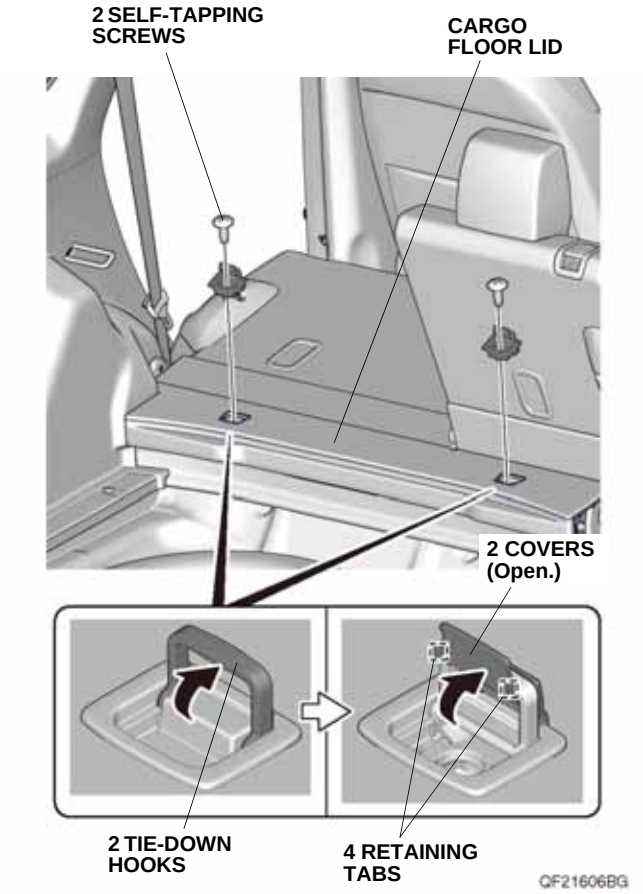
5. Remove the cargo floor board.



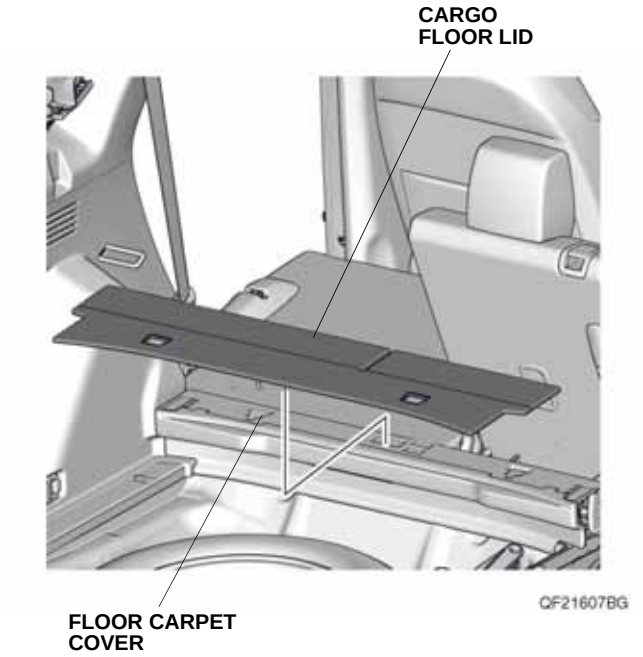
6. Remove the rear trim panel.



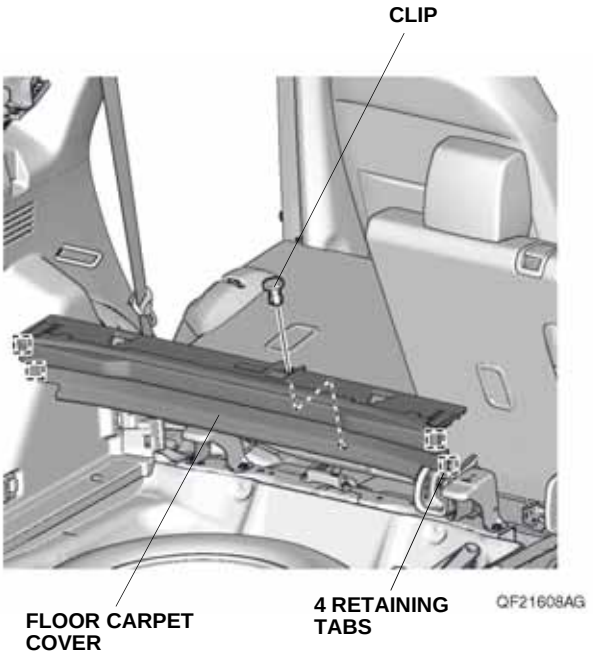
7. Remove the two tie-down hooks.



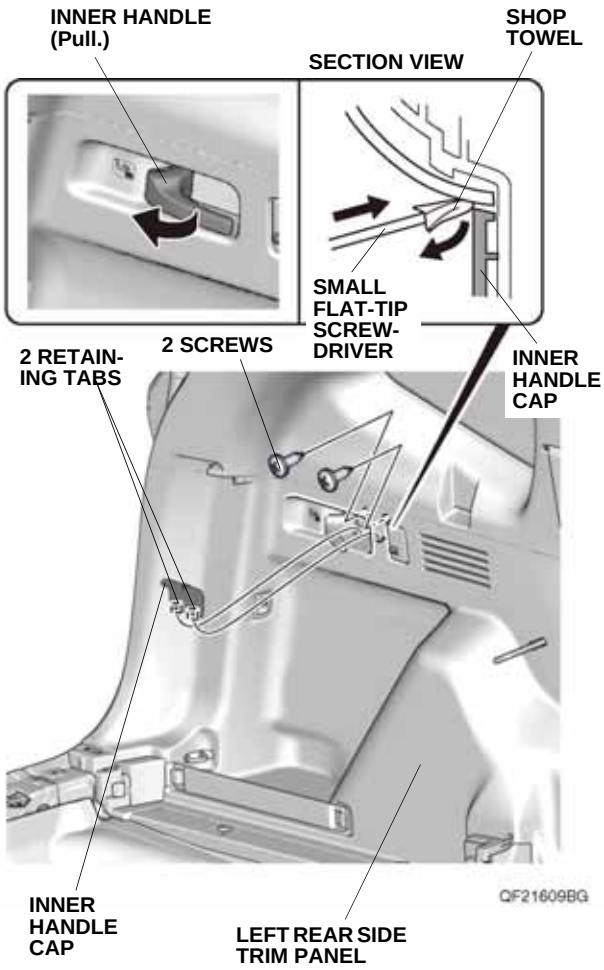
8. Remove the cargo floor lid from the floor carpet cover.



9. Remove the floor carpet cover.

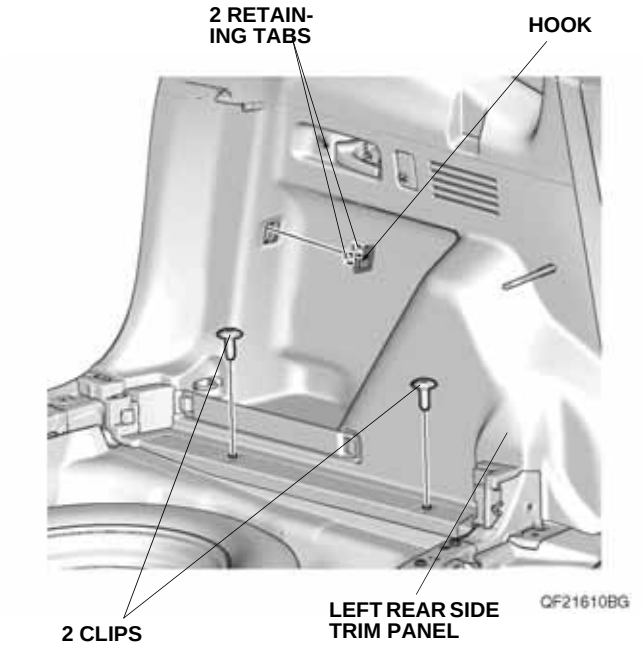


10. Gently pull the inner handle on the left rear side trim panel, and use a small flat-tip screwdriver wrapped with a shop towel to remove the inner handle cap.

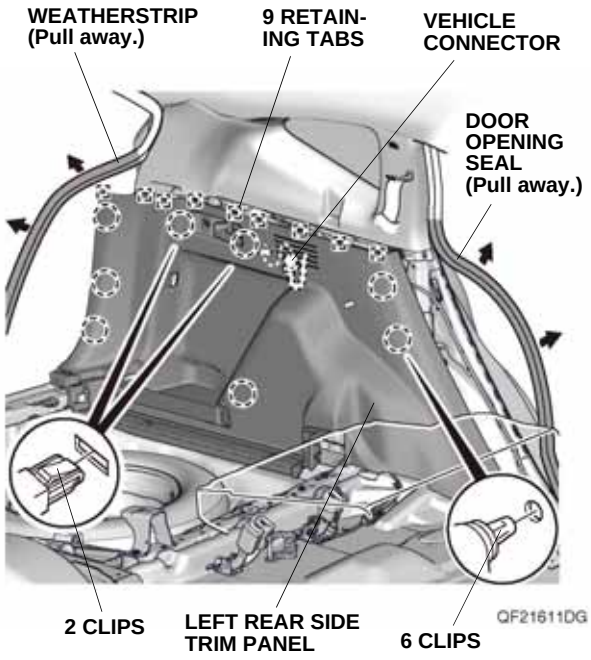


11. Remove the two screws from the left rear side trim panel.

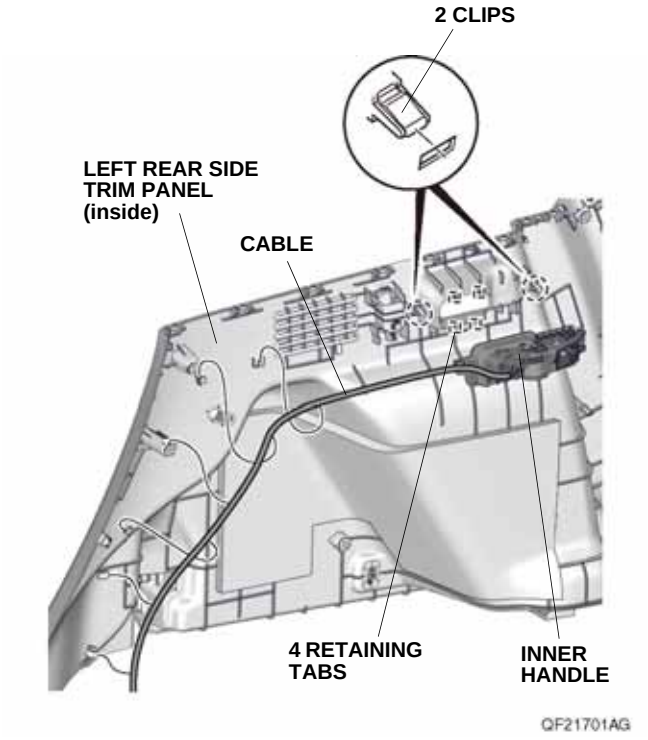
12. Remove the left rear side trim panel hook, retaining tabs, and clips.



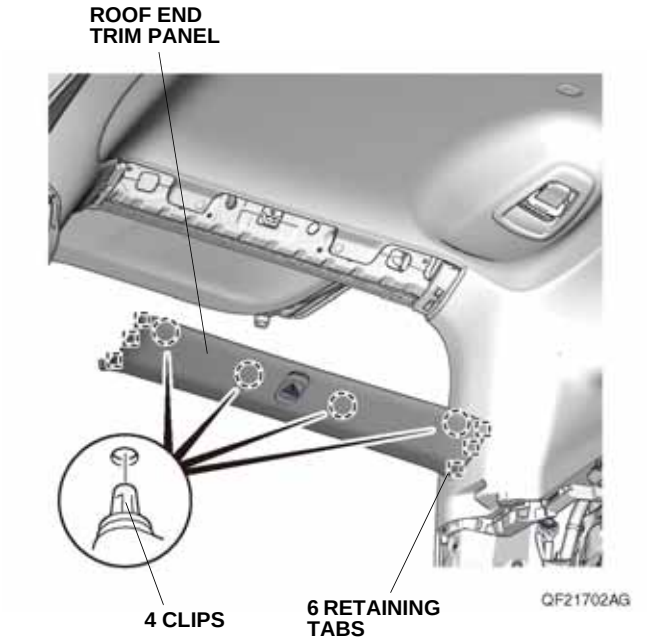
13. Pull away the door opening seal and weatherstrip from around the left rear side trim panel. Remove the left rear side trim panel, and unplug the vehicle connector.



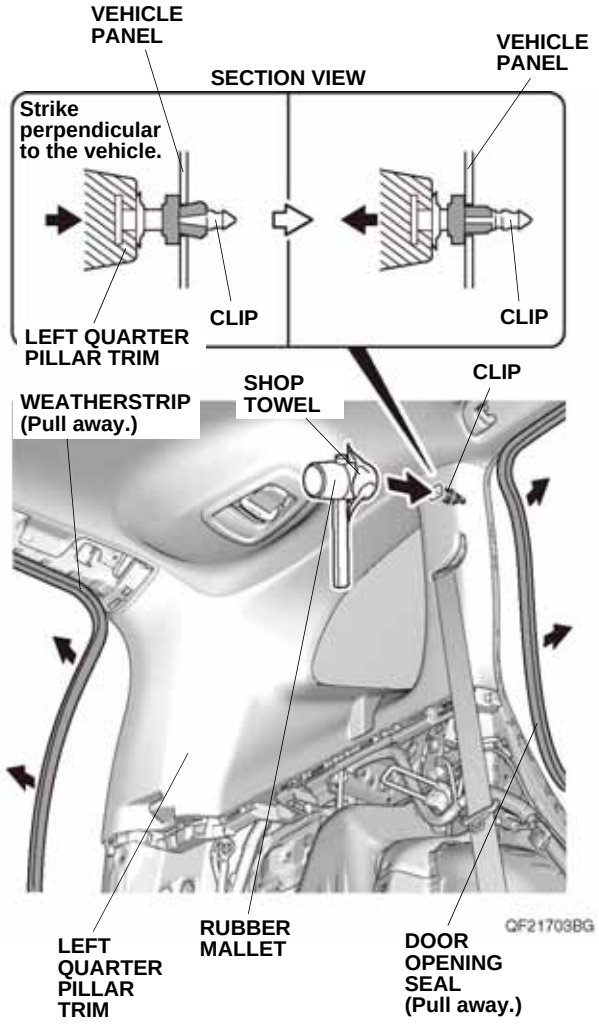
14. Release the cable from the left rear side trim panel, then remove the inner handle.



15. Remove the roof end trim panel.

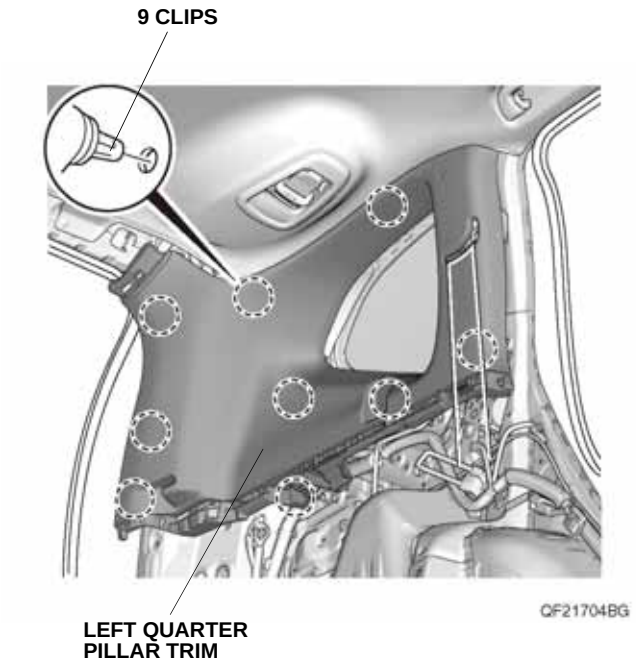


16. Pull away the door opening seal and weatherstrip from around the left quarter pillar trim.

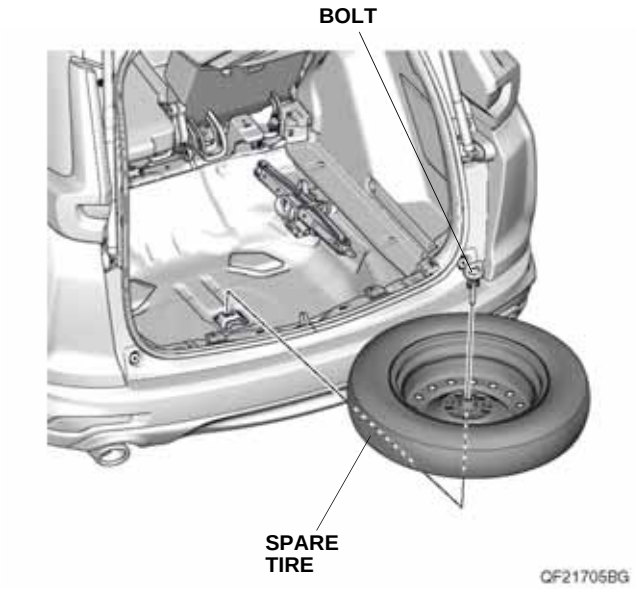


17. Using a rubber mallet wrapped with a shop towel, lightly tap the area marked **"SIDE CURTAIN AIRBAG"** on the left quarter pillar trim to push in the clip. Make sure to strike the area perpendicular to the vehicle.

18. Remove the left quarter pillar trim.



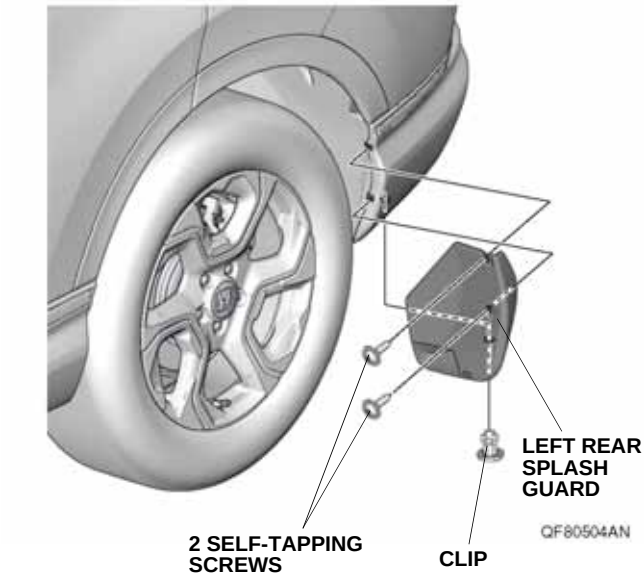
19. Remove the spare tire.



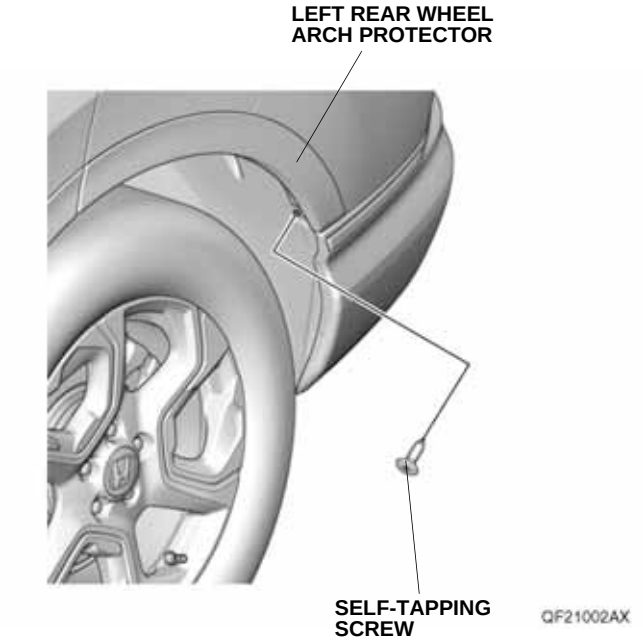
If the vehicle is equipped with splash guards, continue with step 20**; otherwise, go to step** 21**.**

With splash guards

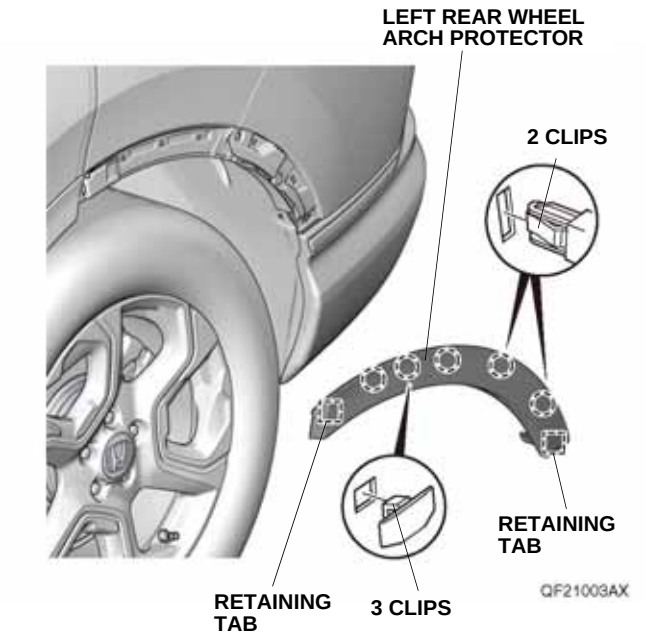
20. Remove the left rear splash guard.



21. Remove the self-tapping screw from the left rear wheel arch protector.

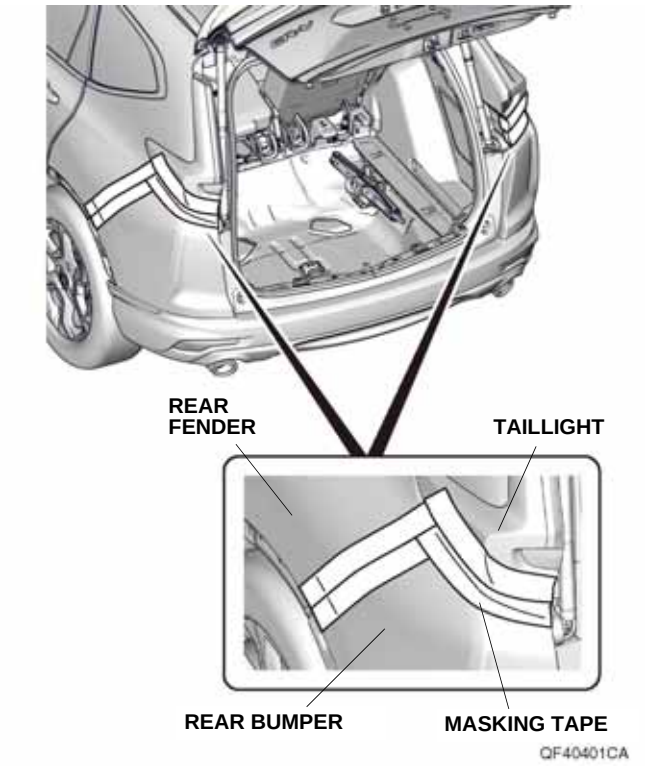


22. Remove the left rear wheel arch protector.

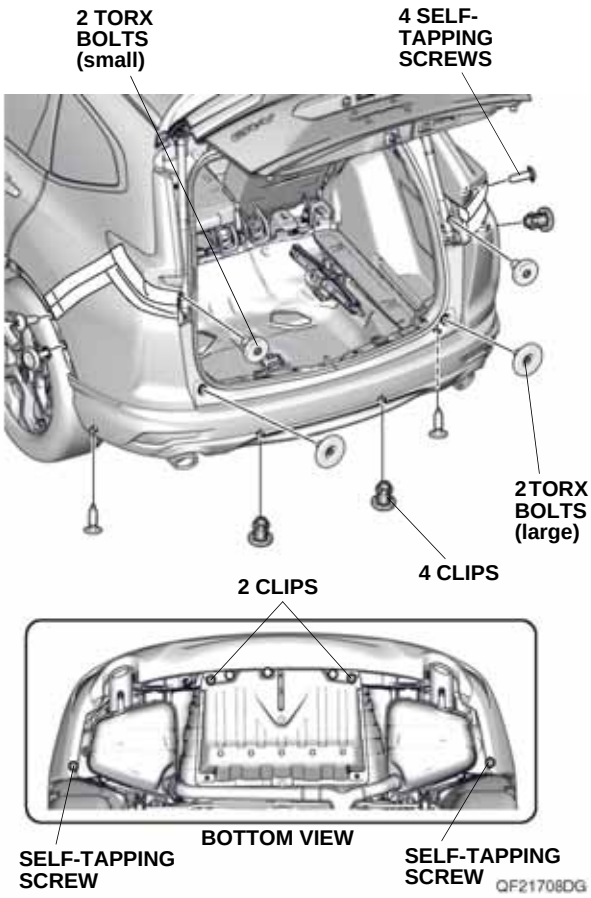


23. Repeat steps 20 through 22 on the right side of the vehicle.

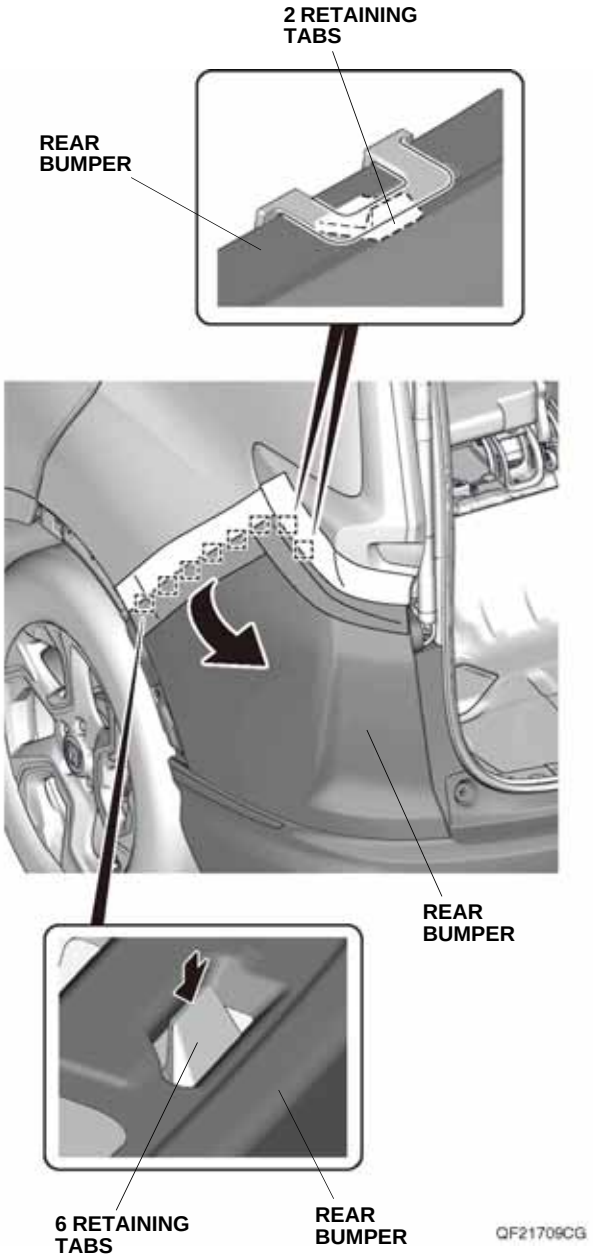
24. Remove the rear bumper:
    - Apply masking tape on each side as shown.



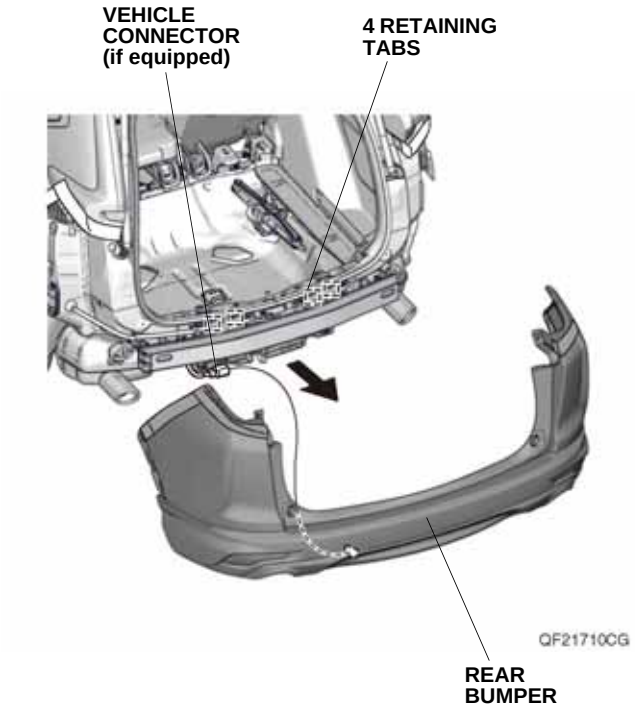
- Remove the four self-tapping screws, four clips, two TORX bolts (large), and two TORX bolts (small) as shown.



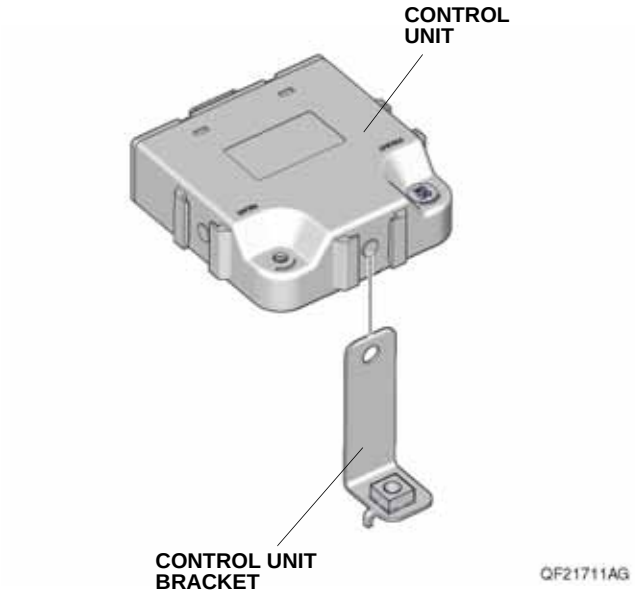
- With the help of an assistant, release the eight retaining tabs on each side.



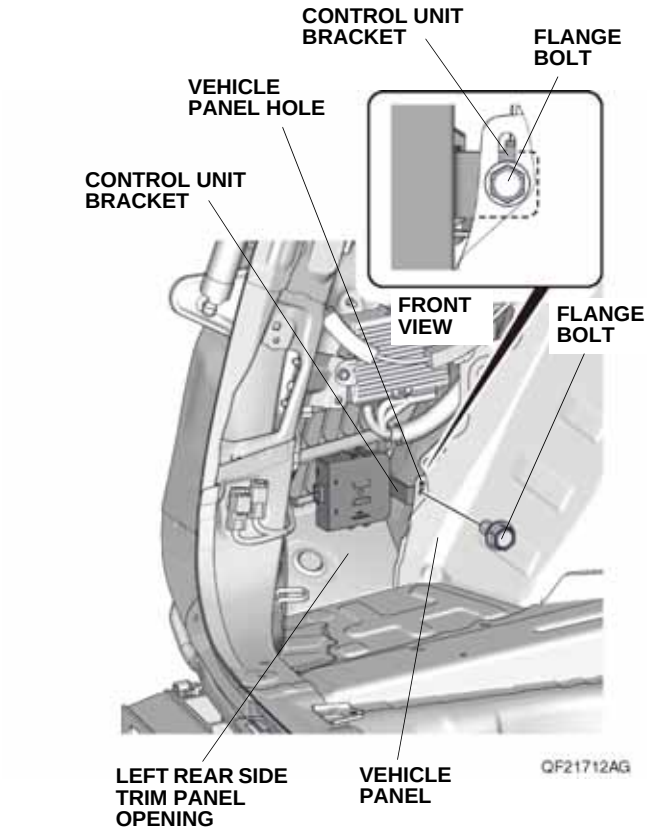
- With the help of an assistant, release the four retaining tabs, unplug the vehicle connector (if equipped) and remove the rear bumper.
- Place the rear bumper on a blanket.



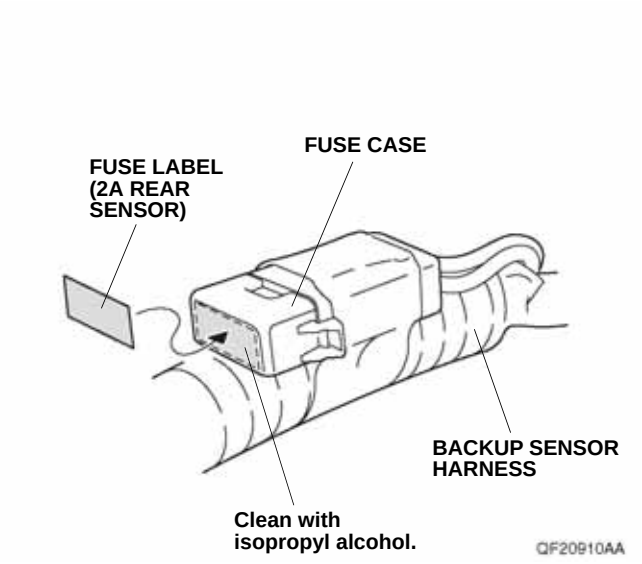
25. Install the control unit bracket to the control unit.



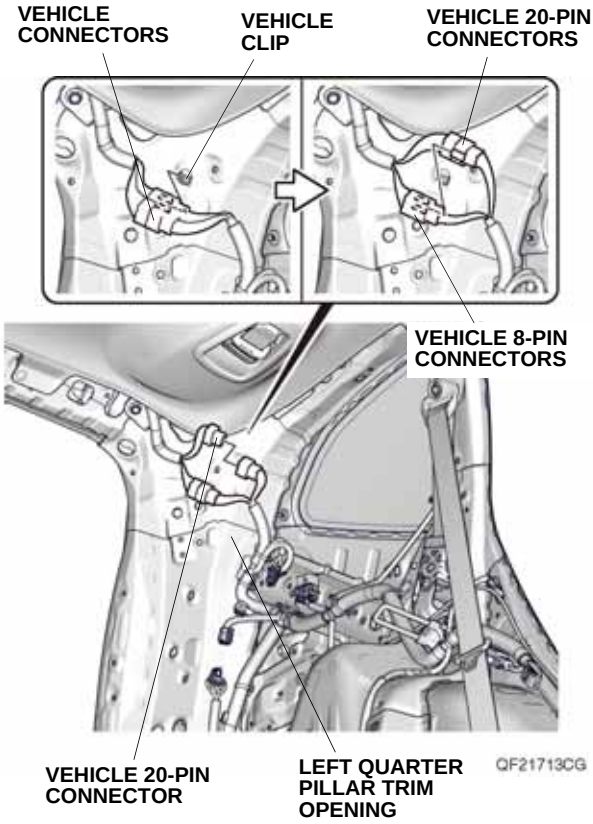
26. Secure the control unit bracket to the vehicle panel with one flange bolt.



27. Using isopropyl alcohol on a shop towel, thoroughly clean the fuse case where the fuse label will attach. Attach the fuse label (2A REAR SENSOR) to the fuse case on the backup sensor harness.

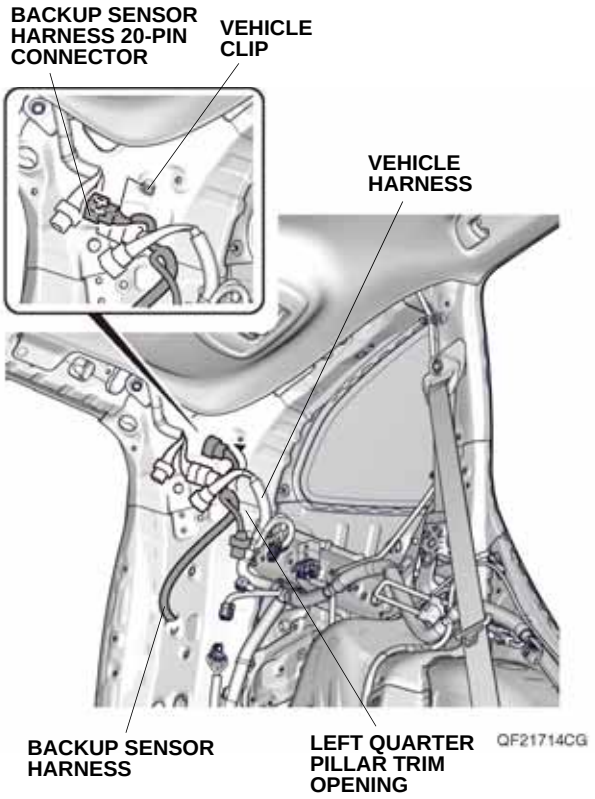


28. Release the vehicle connectors from the vehicle clip.

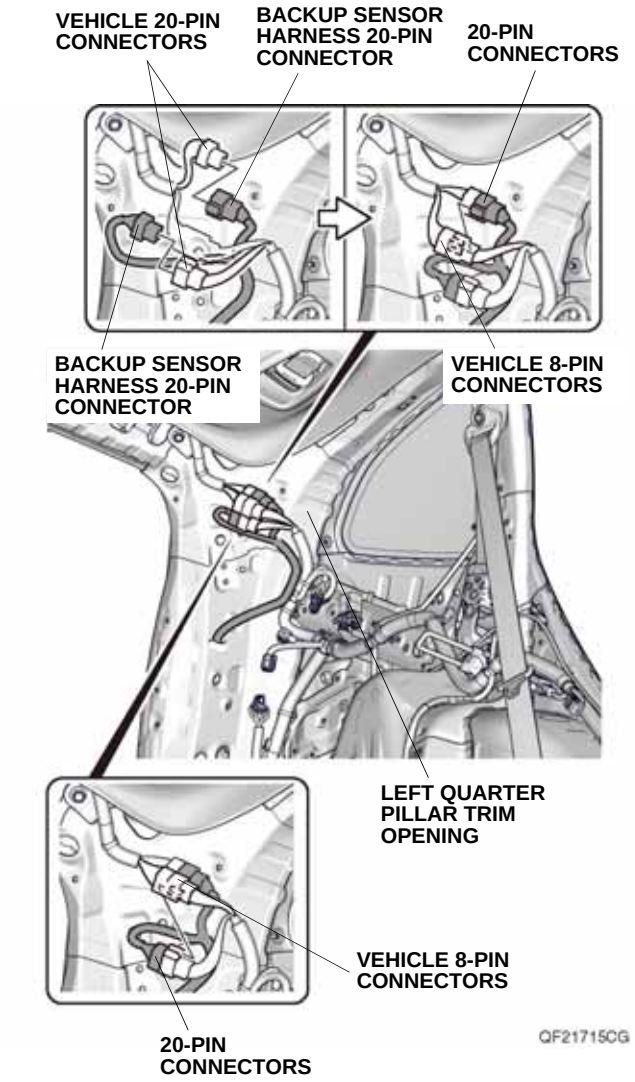


29. Release the vehicle 20-pin connectors from the vehicle 8-pin connectors.
30. Unplug the vehicle 20-pin connector.

31. Route the backup sensor harness, and secure the backup sensor harness 20-pin connector to the vehicle clip.

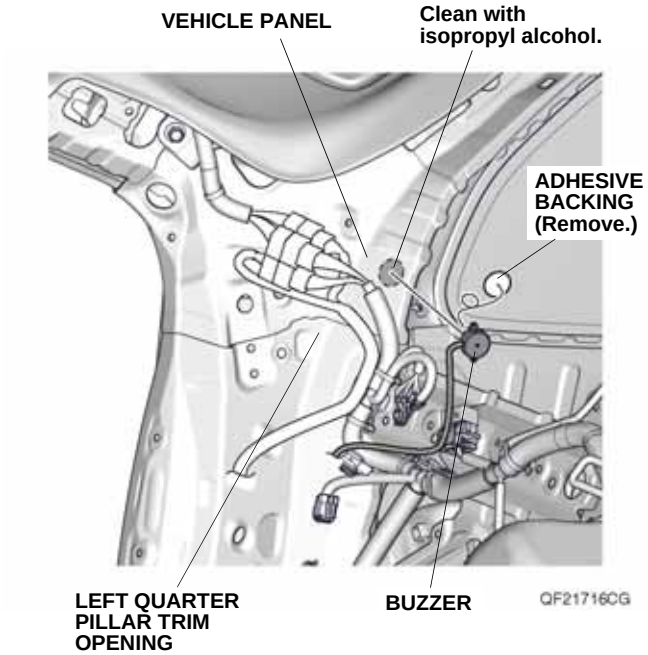


32. Plug the vehicle 20-pin connector into the backup sensor harness 20-pin connector. Plug the remaining backup sensor harness 20-pin connector into the vehicle 20-pin connector.



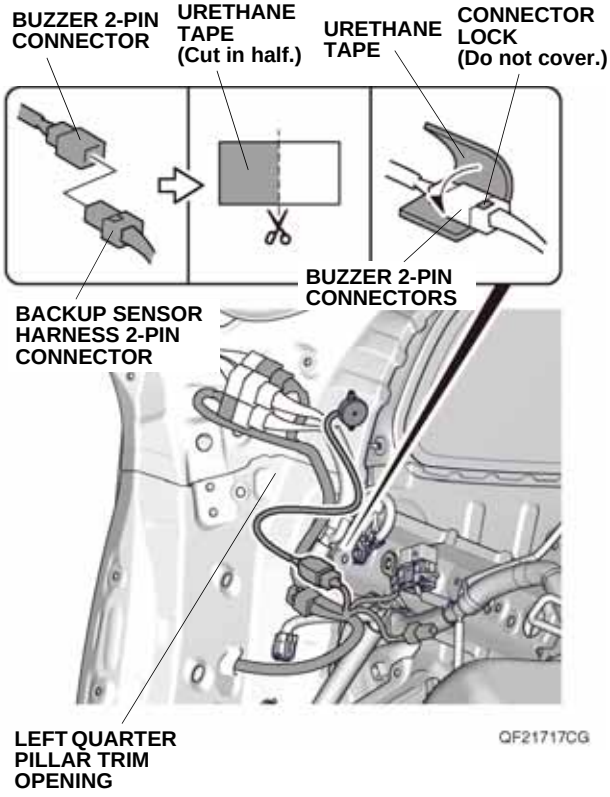
33. Secure the vehicle 8-pin connectors to the 20-pin connectors as shown.
34. Secure the 20-pin connectors to the vehicle 8-pin connectors as shown.

35. Using isopropyl alcohol on a shop towel, thoroughly clean the vehicle panel where the buzzer will attach.



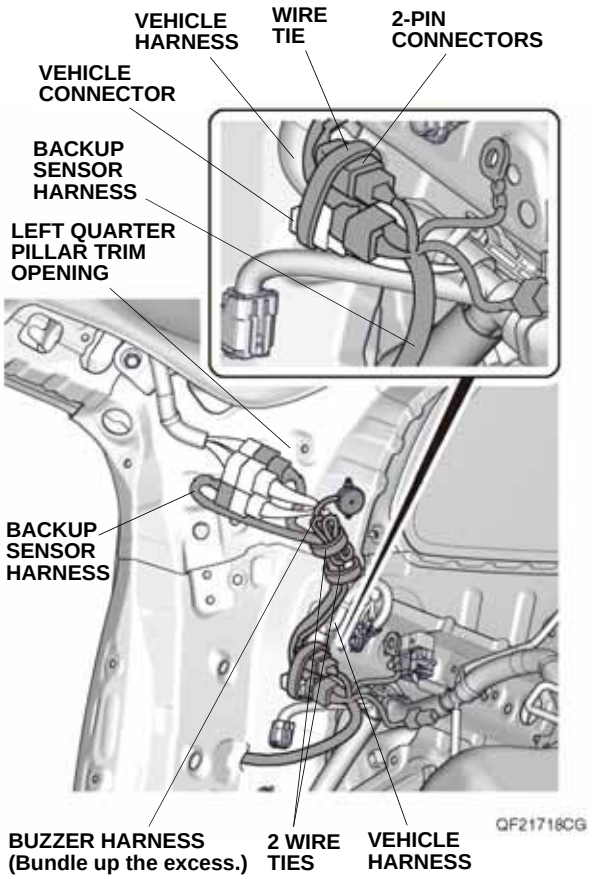
36. Remove the adhesive backing from the buzzer, and attach the buzzer to the vehicle panel as shown.

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



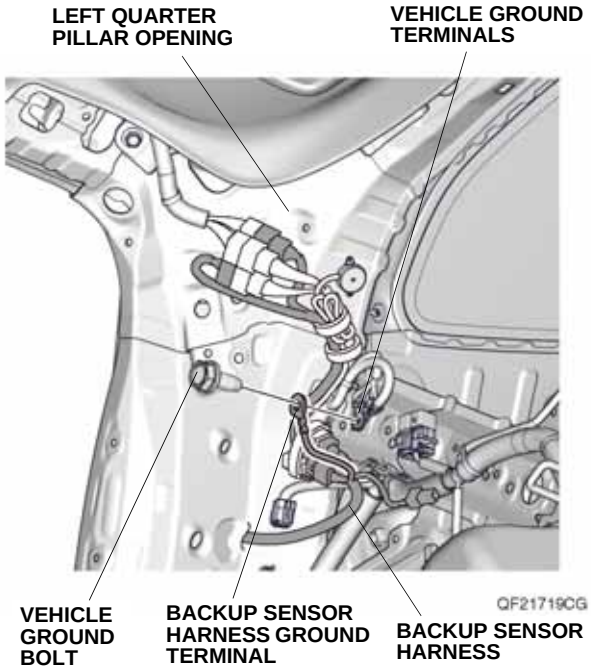
38. Using scissors, cut one urethane tape in half, and attach one half of urethane tape around the buzzer 2-pin connector.

39. Secure the buzzer harness, 2-pin connectors, and backup sensor harness to the vehicle harness with two wire ties.



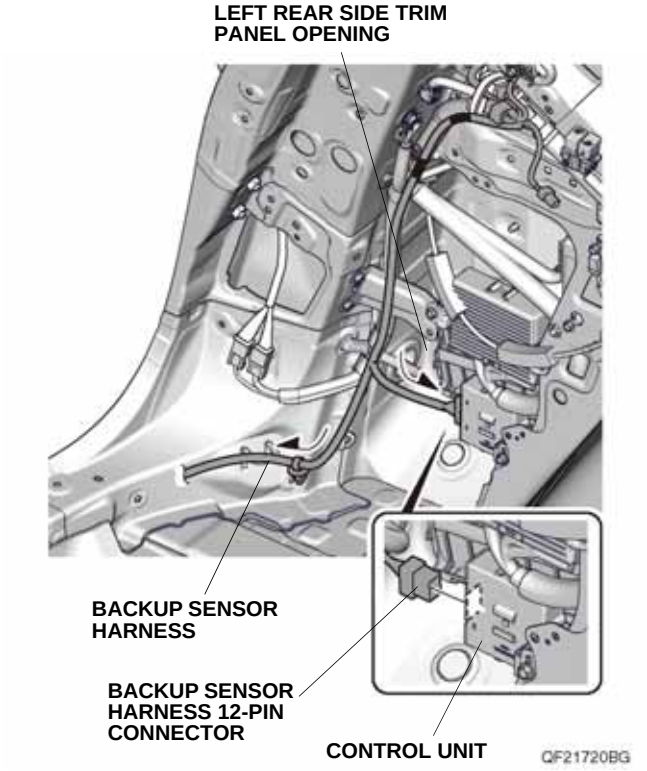
40. Bundle up the excess buzzer harness, and secure it and the backup sensor harness to the vehicle harness with one wire tie.

41. Remove the vehicle ground bolt.



42. Secure the backup sensor harness ground terminal to the vehicle ground terminals with the vehicle ground bolt just removed. Do not put the ground terminal calkings on top of one another.

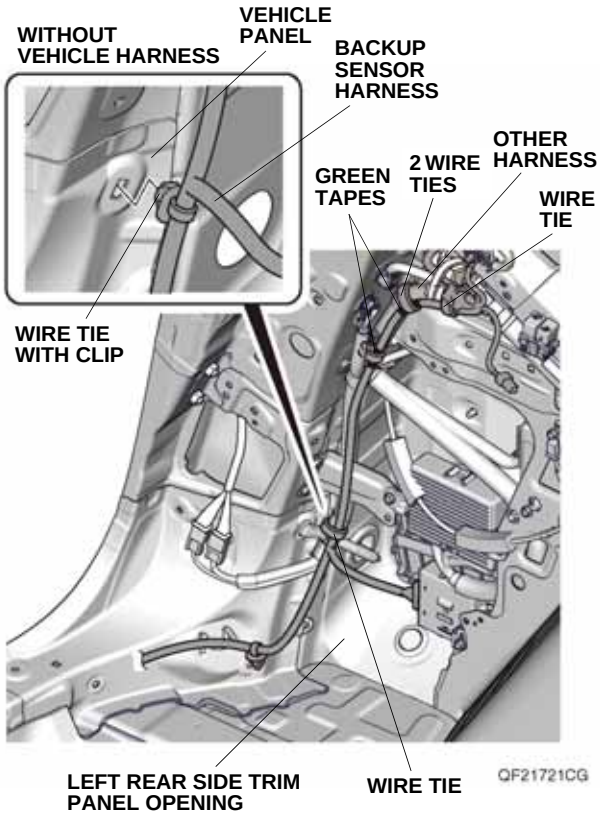
43. Route the backup sensor harness, and plug the backup sensor harness 12-pin connector into the control unit.



If the other harness is installed in the area shown, continue with step 44**; otherwise, go to step** 47**.**

With other harness

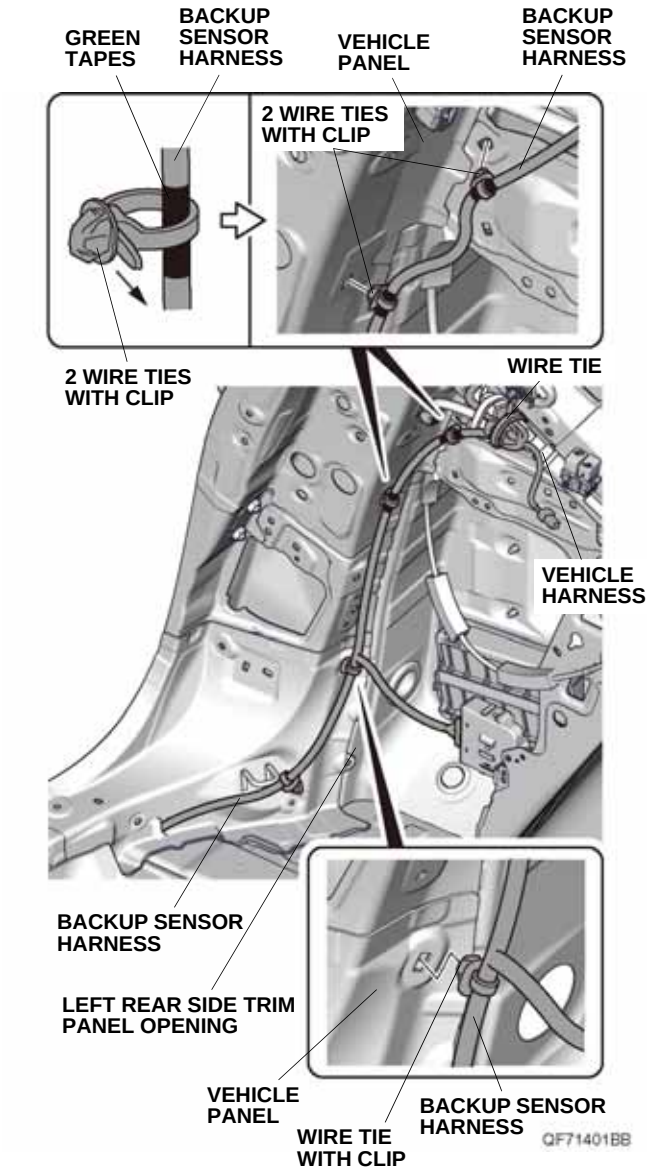
44. Secure the backup sensor harness to the other harness with two wire ties at the green tapes on the backup sensor harness.



45. Secure the backup sensor harness to the other harness with one wire tie.
46. Secure the backup sensor harness to the other harness with one wire tie. If the vehicle is not equipped with the vehicle harness, secure the backup sensor harness to the vehicle panel with one wire tie with clip. Go to step 49.

Without other harness

47. Attach two wire ties with clip around the green tapes on the backup sensor harness, then secure the backup sensor harness to the vehicle panel with two wire ties with clip.

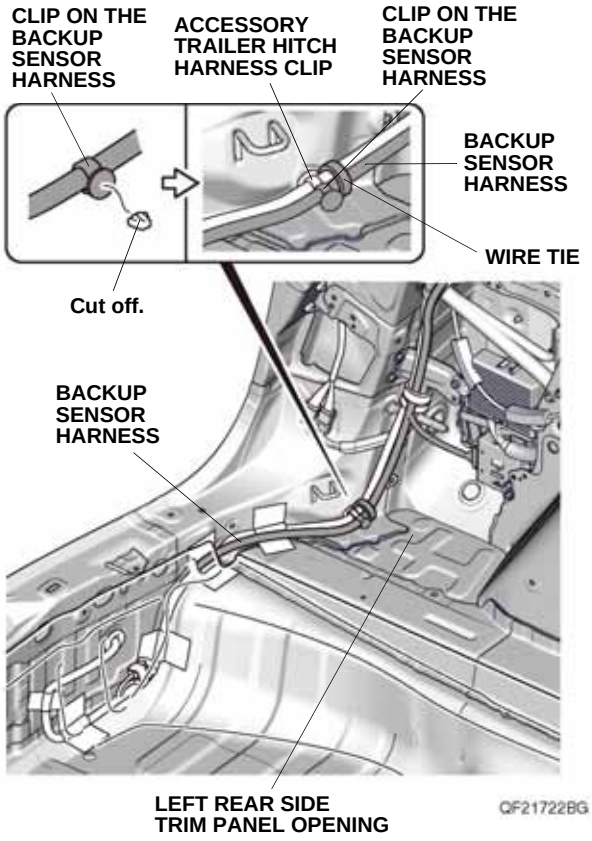


48. Secure the backup sensor harness to the vehicle harness and vehicle panel with one wire tie and one wire tie with clip.

If the vehicle is equipped with the accessory trailer hitch harness, continue with step 49**; otherwise, go to step** 51**.**

With accessory trailer hitch harness

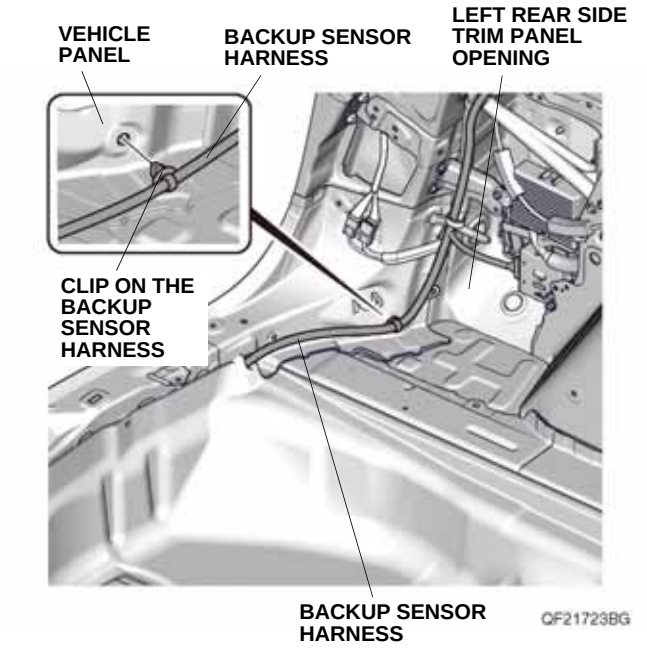
49. Using diagonal cutters, cut the clip portion off of one wire tie with clip on the backup sensor harness.



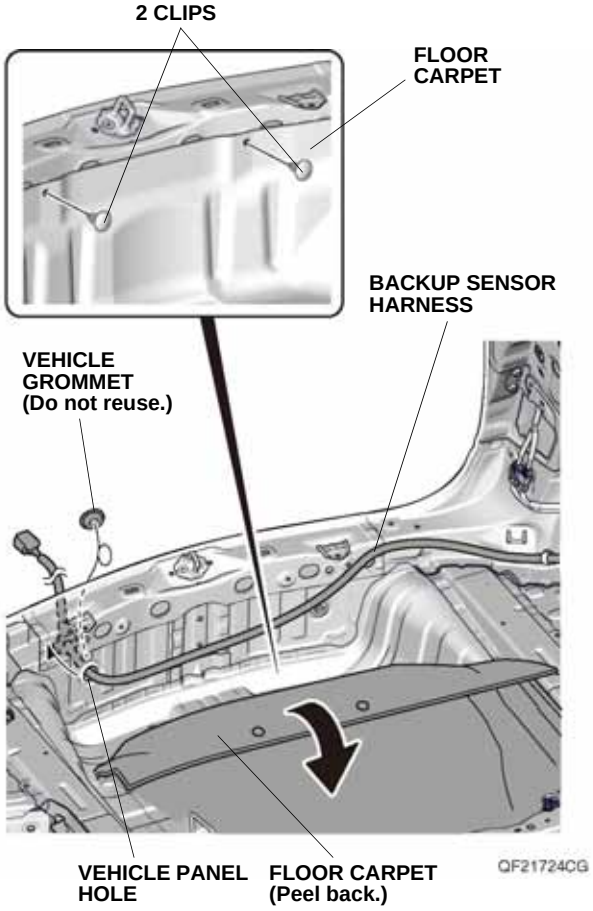
50. Secure the backup sensor harness to the accessory trailer hitch harness with one wire tie. Go to step 52.

Without accessory trailer hitch harness

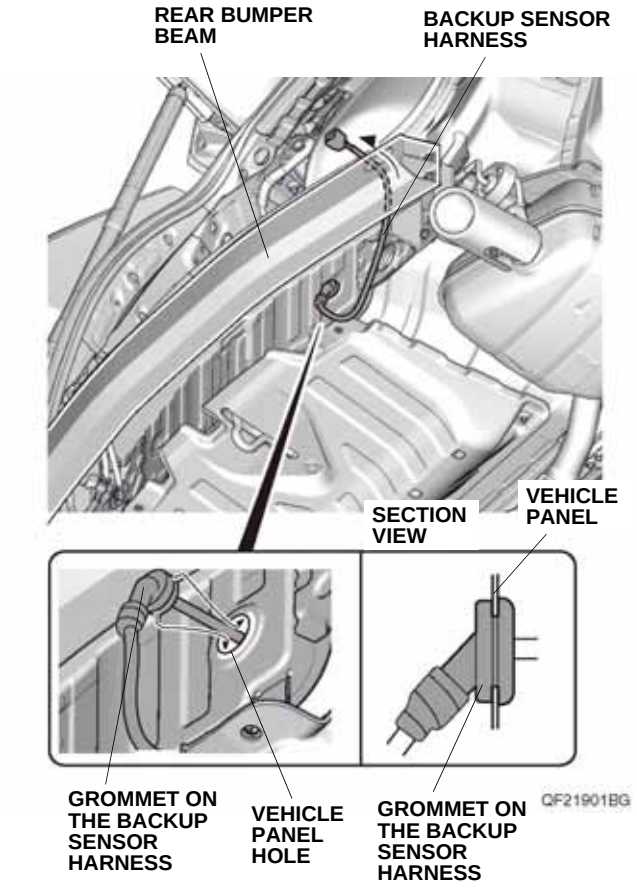
51. Secure the clip on the backup sensor harness to the vehicle panel.



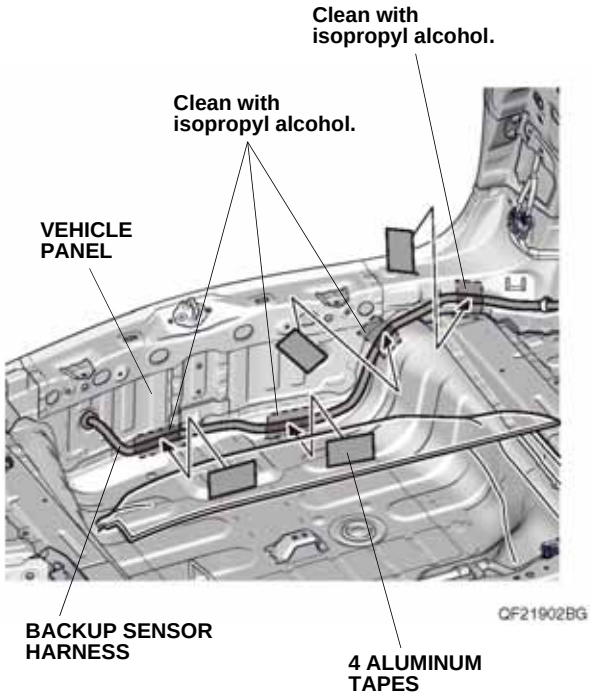
52. Peel back the floor carpet, then remove the vehicle grommet. Route the backup sensor harness through the vehicle panel hole.



53. Secure the grommet on the backup sensor harness into the vehicle panel hole.
NOTE:
    - Install the backup sensor harness by holding the grommet.
    - Make sure to check that the grommet is secured properly.

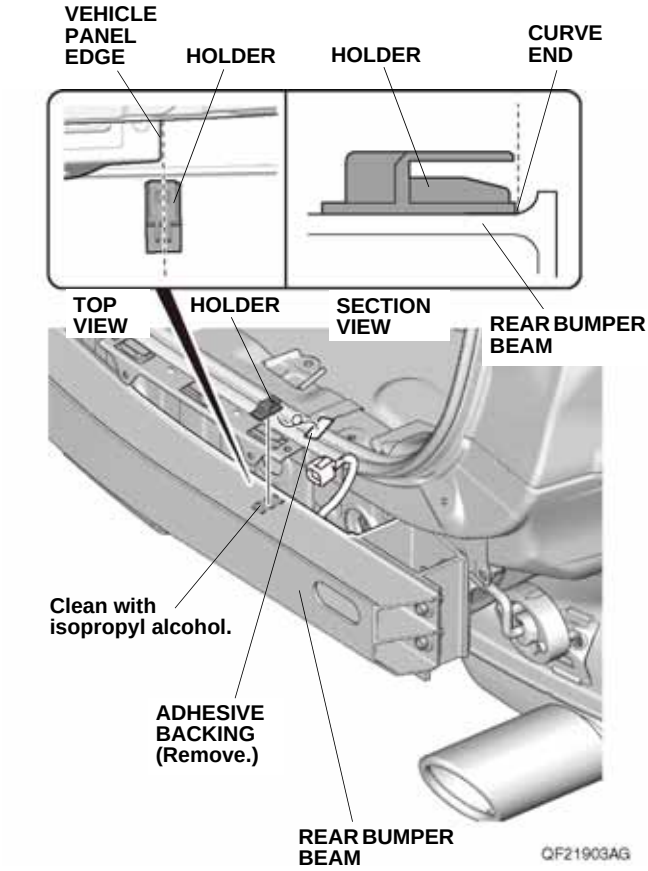


54. Using isopropyl alcohol on a shop towel, thoroughly clean the vehicle panel where the aluminum tapes will attach.



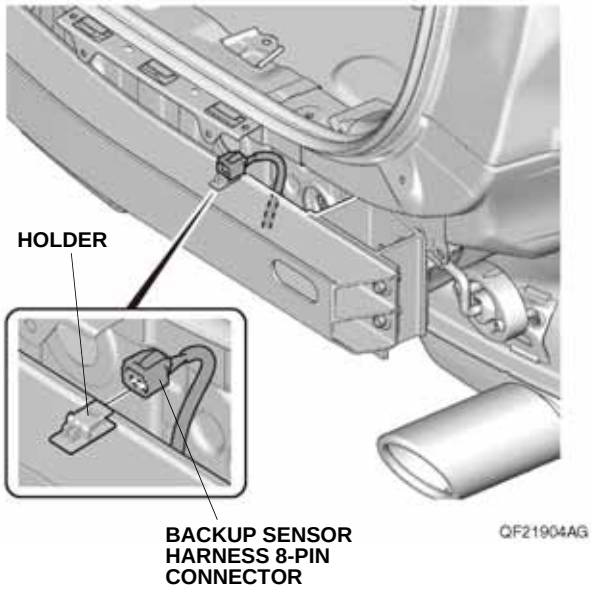
55. Secure the backup sensor harness to the vehicle panel with four aluminum tapes as shown.

56. Using isopropyl alcohol on a shop towel, thoroughly clean the rear bumper beam where the holder will attach.

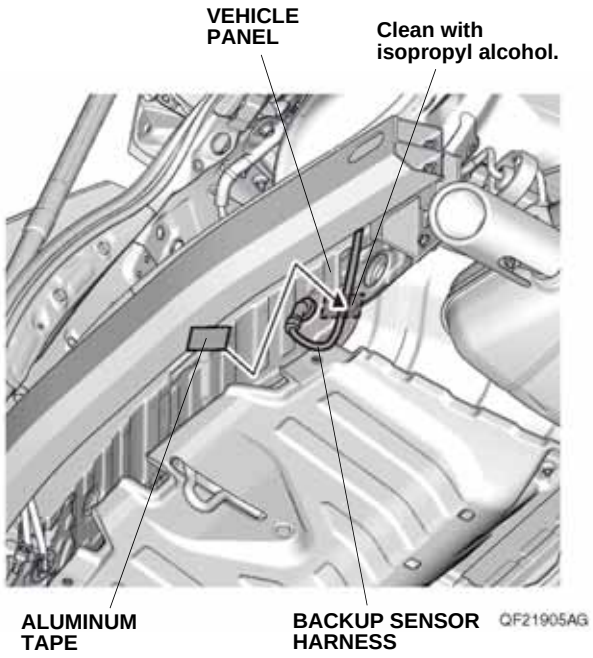


57. Remove the adhesive backing from the holder, and attach the holder as shown.

58. Secure the backup sensor harness 8-pin connector to the holder.

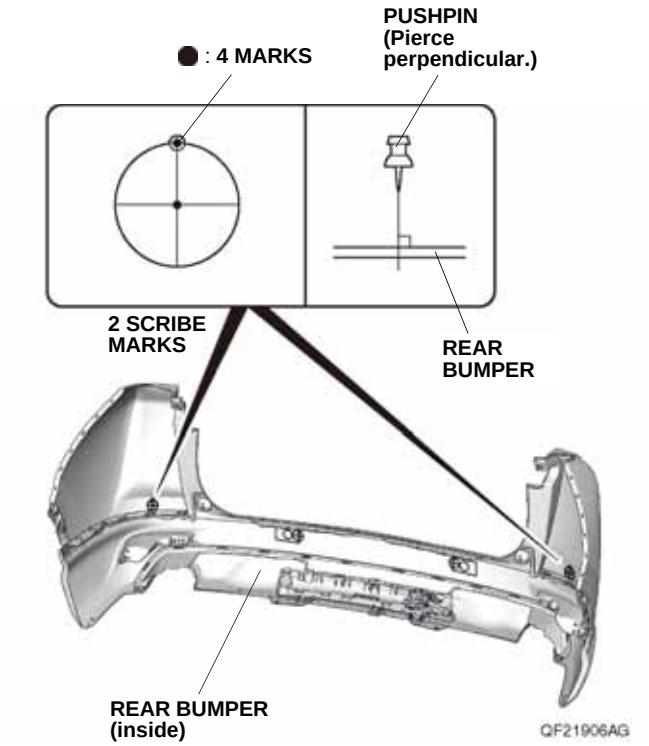


59. Using isopropyl alcohol on a shop towel, thoroughly clean the vehicle panel where the aluminum tape will attach.

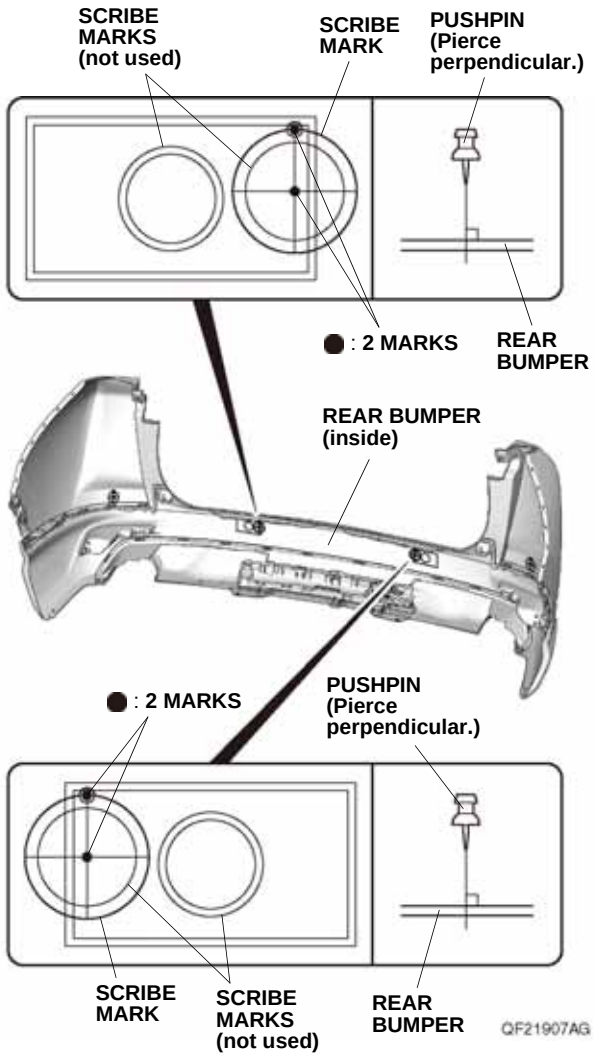


60. Secure the backup sensor harness to the vehicle panel with one aluminum tape as shown.

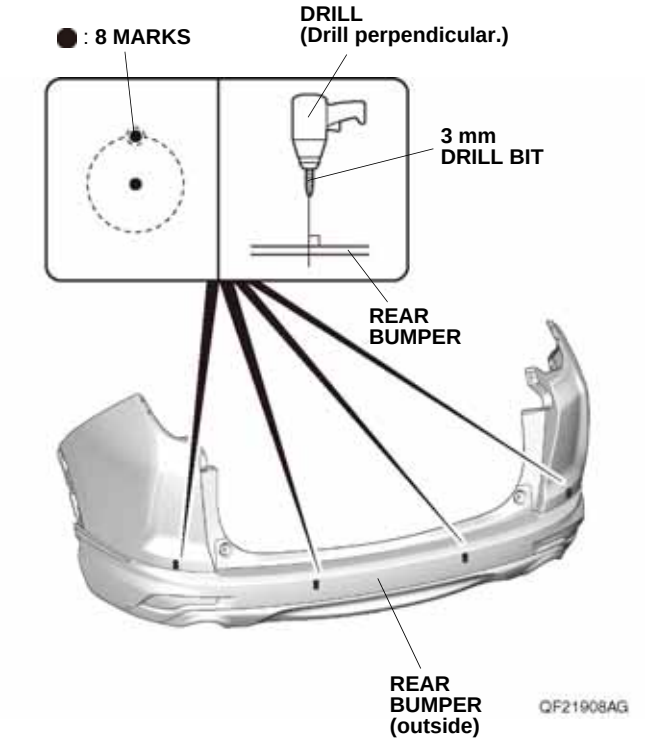
61. Mark the inside of the rear bumper:
    - Locate the two scribe marks on the inside of the rear bumper at the left corner and right corner.
    - Using a pushpin, pierce the rear bumper at the top and center of the two scribe marks.
      NOTE: There are several markings on the inside of the rear bumper. Before piercing the rear bumper, verify you have the correct locations. Make sure to pierce the scribe marks perpendicular to the rear bumper.



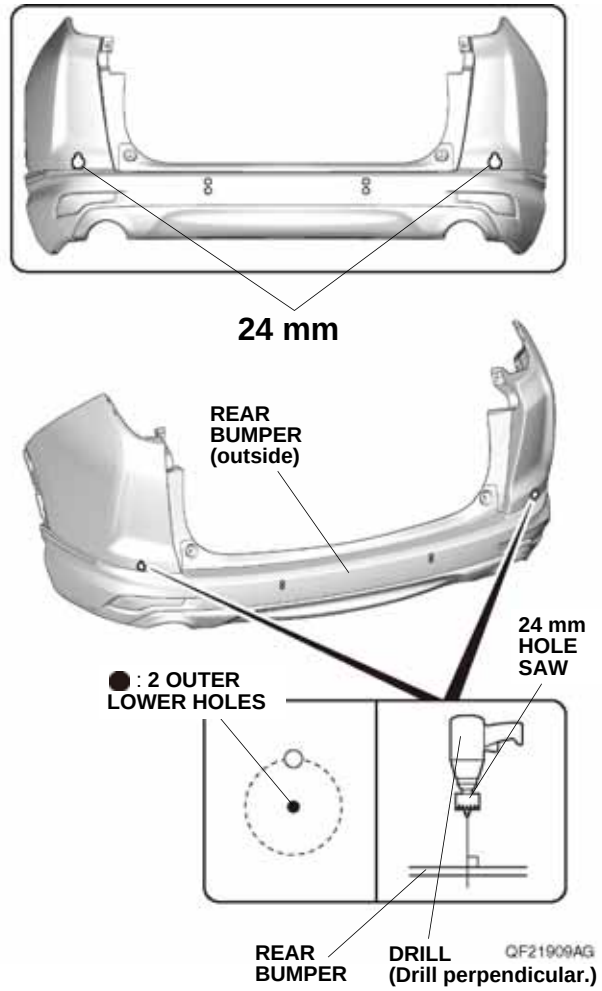
62. Mark the inside of the rear bumper:
    - Locate the six scribe marks on the inside of the rear bumper at the left center and right center.
    - Using a pushpin, pierce the rear bumper at the top and center of the two scribe marks.
      NOTE: There are several markings on the inside of the rear bumper. Before piercing the rear bumper, verify you have the correct locations. Make sure to pierce the scribe marks perpendicular to the rear bumper.



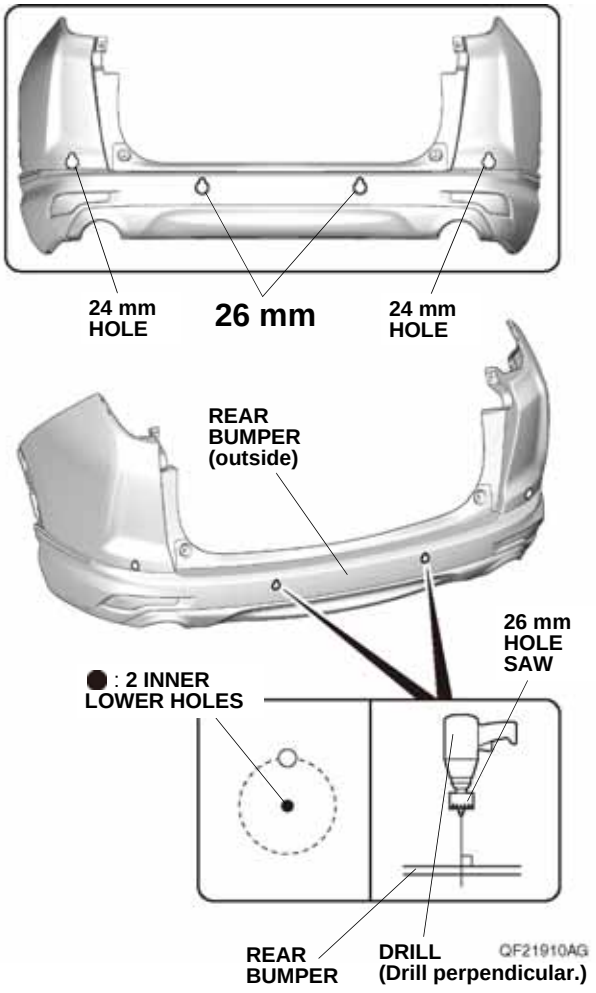
63. While wearing eye protection, drill the eight pierced marks with a 3 mm drill bit from the painted side of the rear bumper.
NOTE: Make sure to drill perpendicular to the rear bumper.



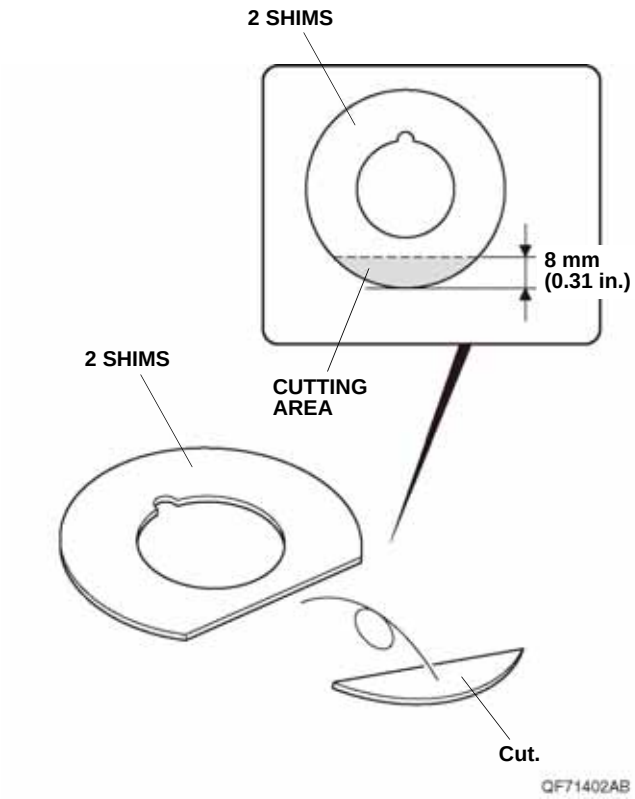
64. While wearing eye protection and drilling from the painted side of the rear bumper, enlarge the two lower 3 mm outer holes to 24 mm using a 24 mm hole saw.
NOTE: Make sure to drill perpendicular to the rear bumper. Remove any burrs.



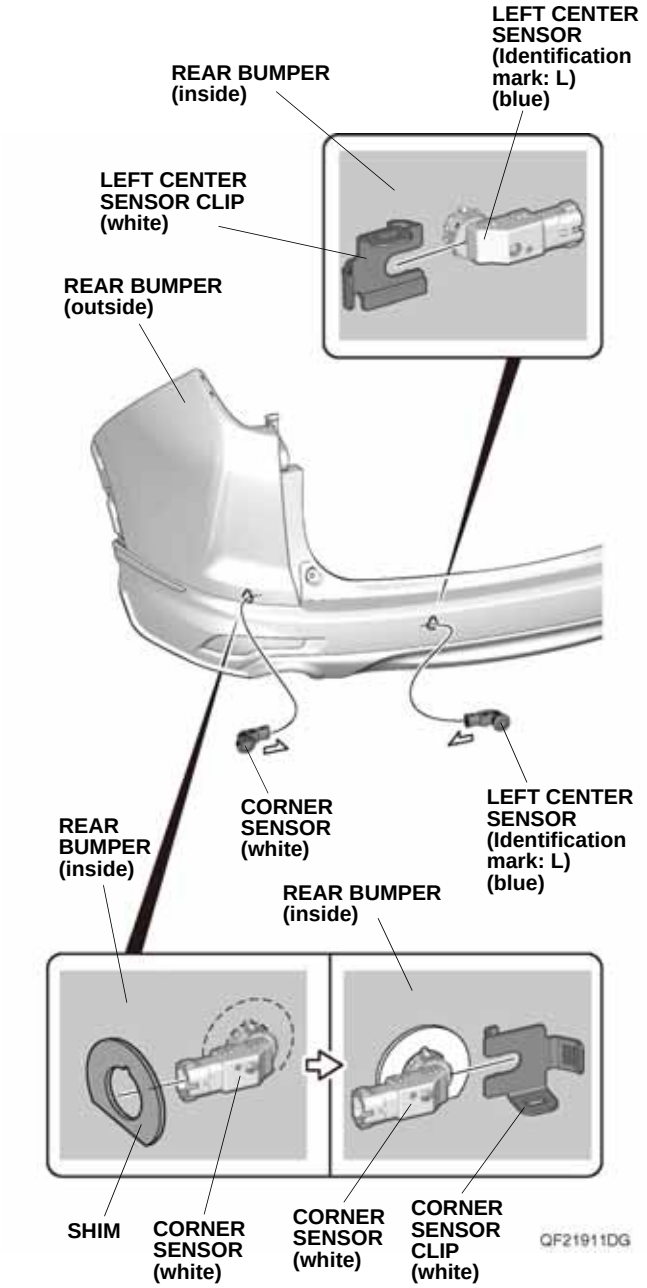
65. While wearing eye protection and drilling from the painted side of the rear bumper, enlarge the two lower 3 mm inner holes to 26 mm using a 26 mm hole saw.
NOTE: Make sure to drill perpendicular to the rear bumper. Remove any burrs.



66. Using scissors, cut the two shims as shown.

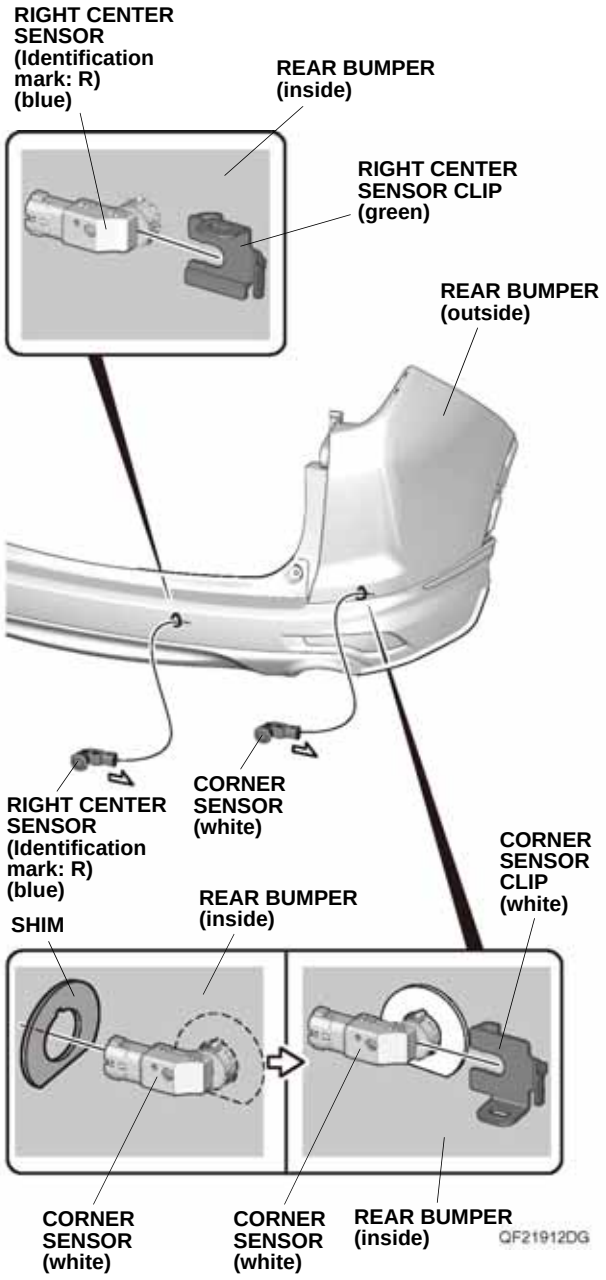


67. Insert the corner sensor (white) and left center sensor (identification mark: L) (blue) into the rear bumper.



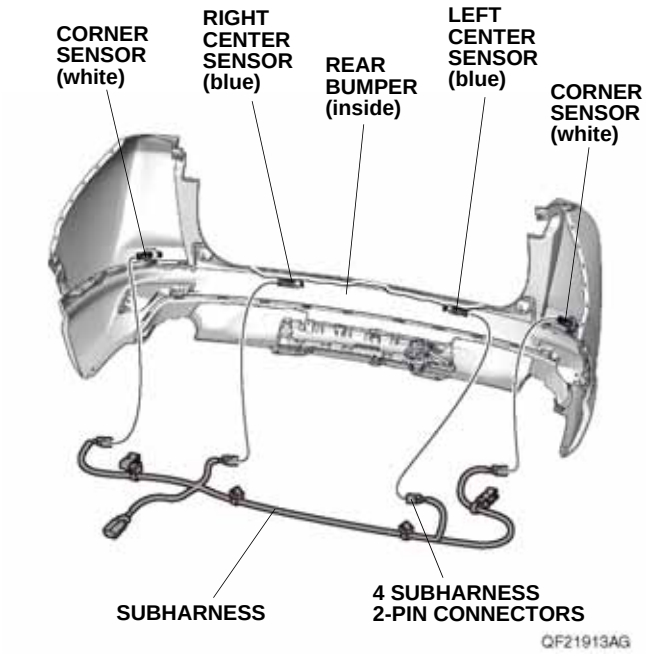
68. Install the shim on the rear bumper through the corner sensor (white) as shown.
69. Secure the corner sensor (white) and left center sensor (identification mark: L) (blue) with the corner sensor clip (white) and left center sensor clip (white) as shown.

70. Insert the corner sensor (white) and right center sensor (identification mark: R) (blue) into the rear bumper.

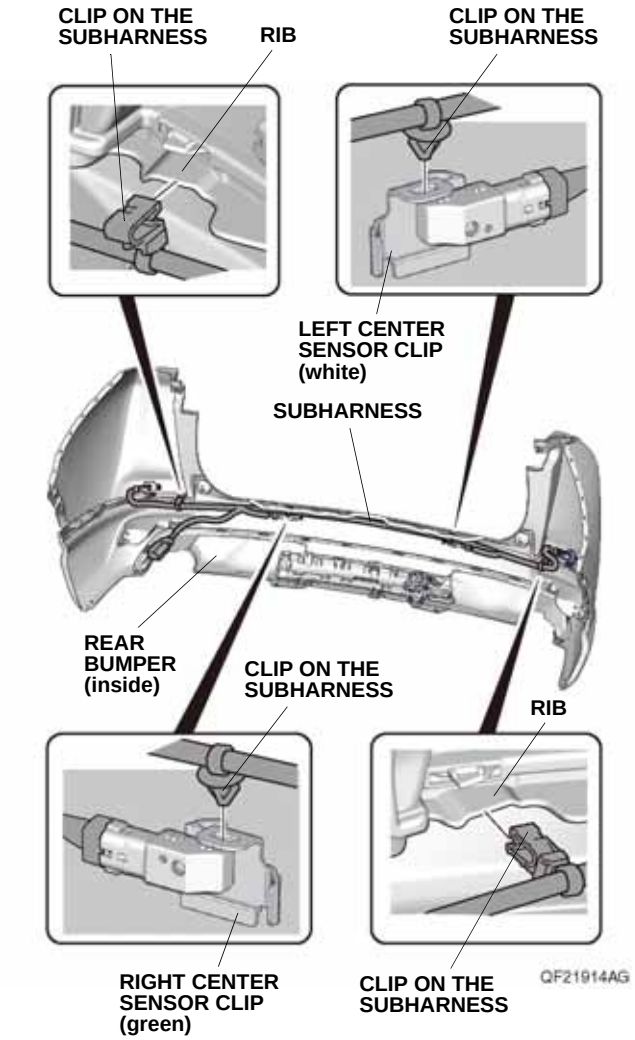


71. Install the shim on the rear bumper through the corner sensor (white) as shown.
72. Secure the corner sensor (white) and right center sensor (identification mark: R) (blue) with the corner sensor clip (white) and right center sensor clip (green) as shown.

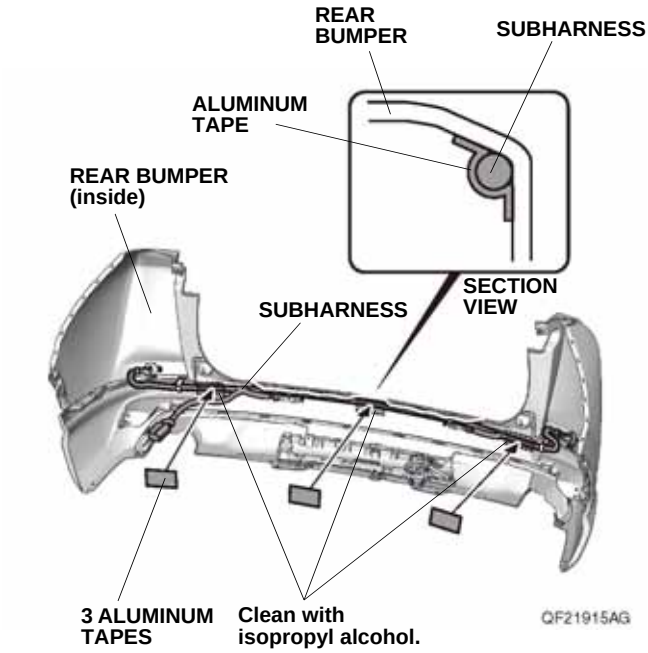
73. Plug the four subharness 2-pin connectors into the center sensors (blue) and corner sensors (white).



74. Secure the clips on the subharness to the right center sensor clip (green), left center sensor clip (white), and ribs on the rear bumper.

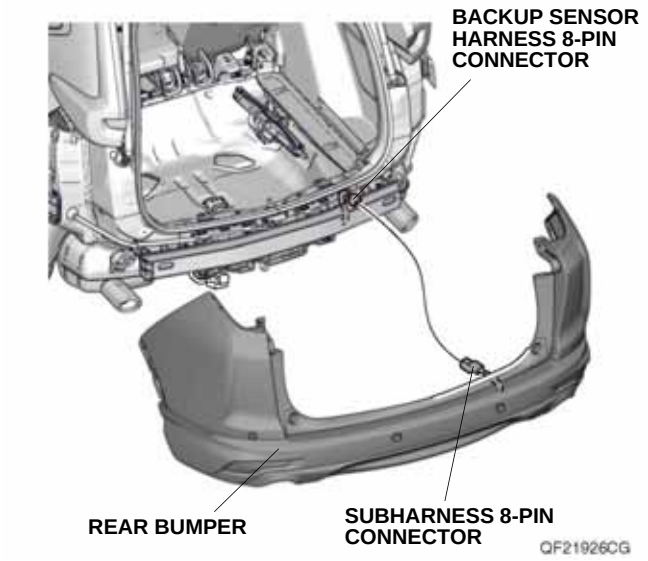


75. Using isopropyl alcohol on a shop towel, thoroughly clean the rear bumper where the aluminum tapes will attach.

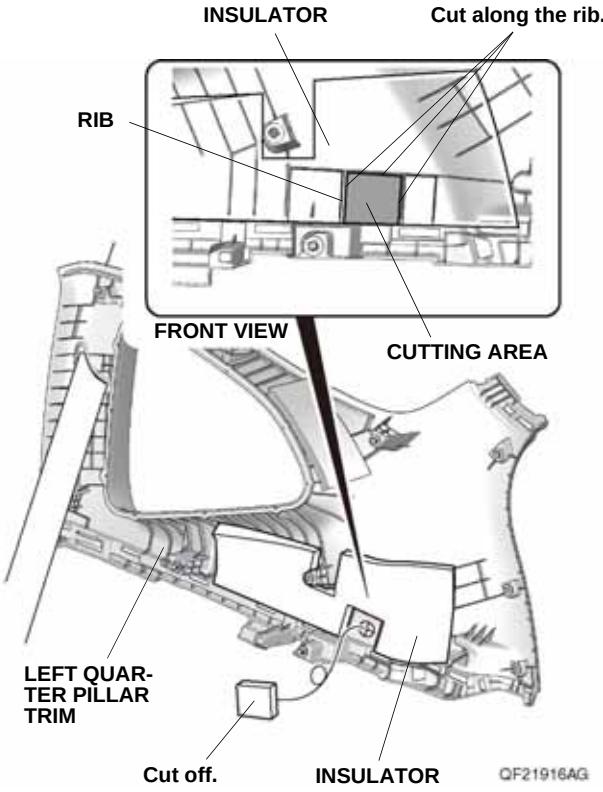


76. Secure the subharness to the rear bumper with three aluminum tapes as shown.

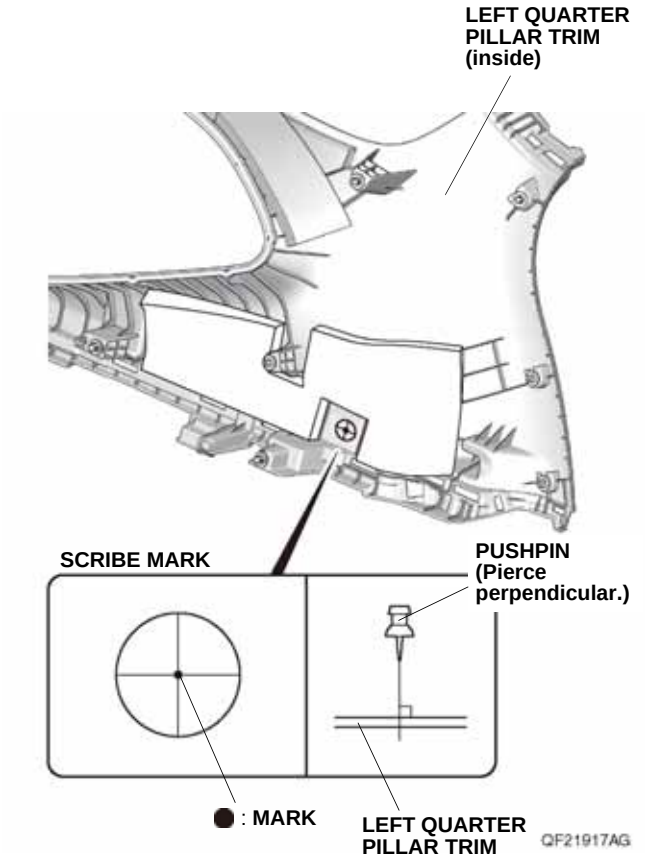
77. With the help of an assistant, bring the rear bumper close to the vehicle, and plug the subharness 8-pin connector into the backup sensor harness 8-pin connector. Install the rear bumper.



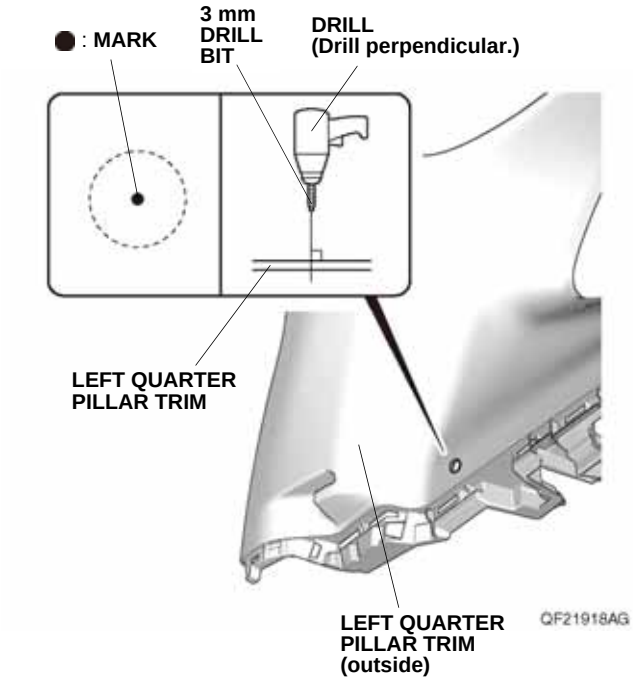
78. Using a utility knife, cut off the left insulator as shown.



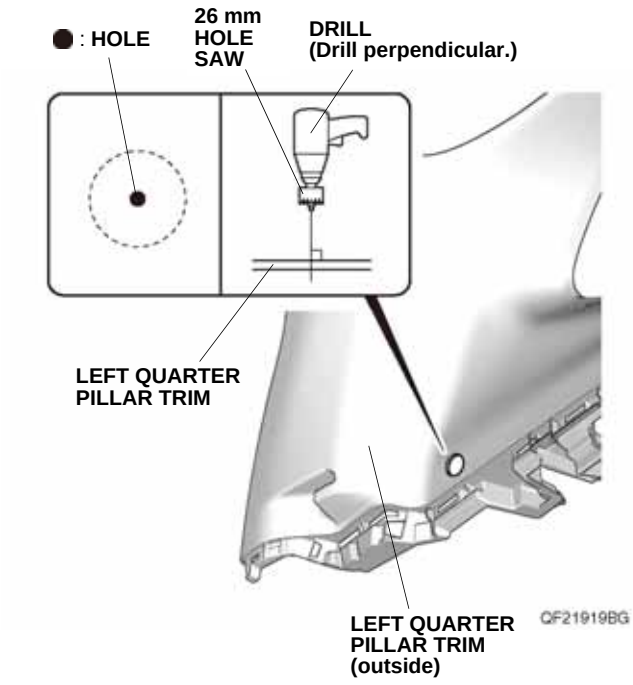
79. Using a pushpin, pierce the center of the scribe mark on the left quarter pillar trim.
NOTE: Make sure to pierce the mark perpendicular to the left quarter pillar trim.



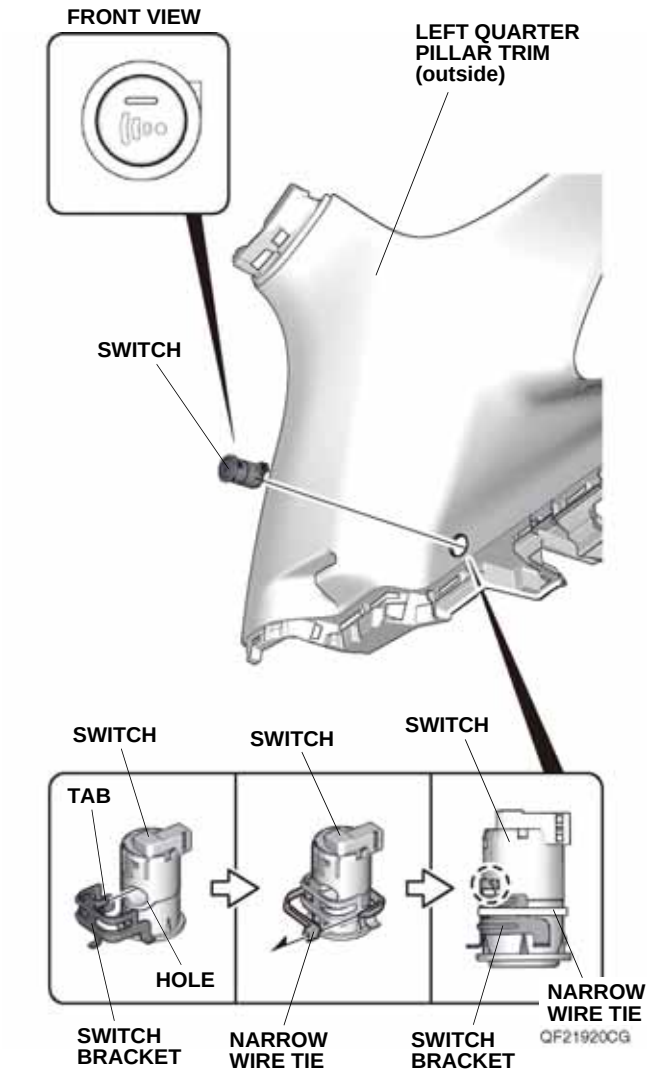
80. While wearing eye protection, drill the pierced mark on the left quarter pillar trim with a 3 mm drill bit.
NOTE: Make sure to drill perpendicular to the left quarter pillar trim.



81. While wearing eye protection, enlarge the 3 mm hole to 26 mm using a 26 mm hole saw.
NOTE: Make sure to drill perpendicular to the left quarter pillar trim. Remove any burrs.

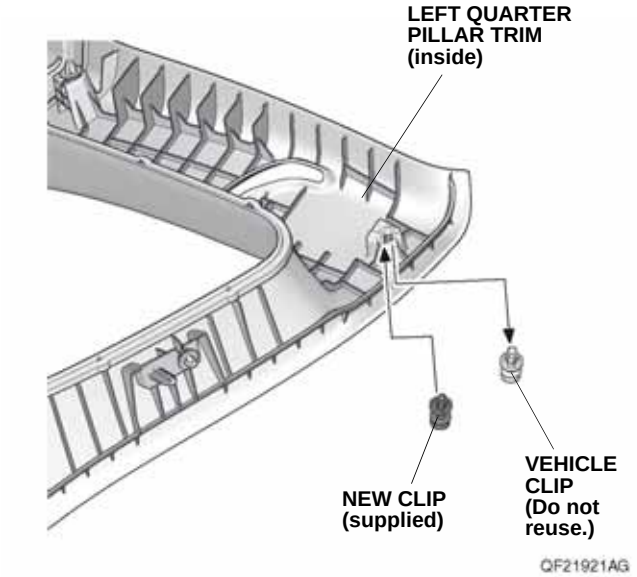


82. Install the switch into the 26 mm hole in the left quarter pillar trim.
NOTE: Make sure to install the switch in the correct orientation.

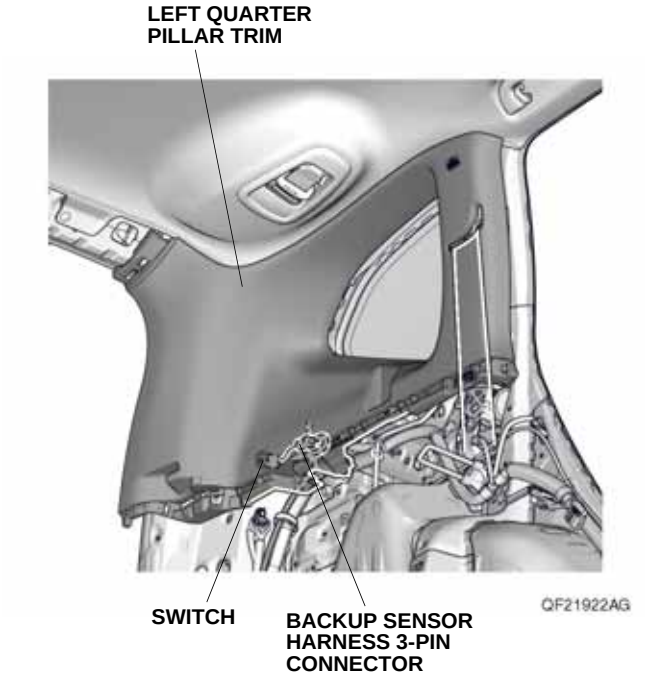


83. Line up the tab on the switch bracket with the hole on the switch, and secure the switch bracket to the switch with one narrow wire tie.
NOTE: Firmly press the switch bracket against the left quarter pillar trim, and make sure that there is no clearance between the switch and left quarter pillar trim.

84. Remove the vehicle clip, and install the new clip to the left quarter pillar trim.



85. With the left quarter pillar trim in position, plug the backup sensor harness 3-pin connector into the switch.



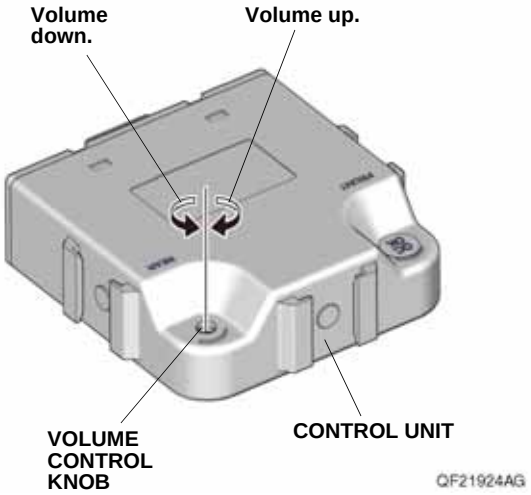
86. Check the overlap between the headliner and the left quarter pillar trim.
NOTE: Check and adjust the overlap as described in the service information.
87. Install the left quarter pillar trim.
NOTE: Make sure the side curtain airbag is not tucked under the clip. Do not push the left quarter pillar trim excessively.
88. Check that all wire harnesses are routed properly and that all connectors are plugged in.
89. Install all removed parts.
90. Connect the negative cable to the battery.
91. Press and hold the audio unit power button for 2 seconds to restore the radio and navi (if equipped) system functions.
92. Set the clock on vehicles without navigation.

Check the Operation of the Backup Sensors

93. Check that the backup sensors work 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.
NOTE: Do not force the adjuster as it could damage the unit.



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