



HONDA INSTALLATION INSTRUCTIONS

Accessory
BACKUP SENSORS

Application
2020 CLARITY
(All Clarity Vehicles)

Publications No.
VERSION 1
Issue Date
DEC 2019

PARTS LIST

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

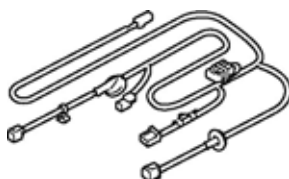
Control unit



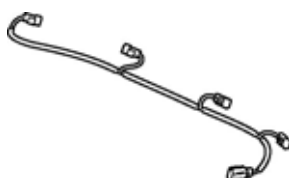
Bracket



Backup sensor harness



Subharness



Buzzer



Fuse label



25 Wire ties



3 Urethane tapes



5 Aluminum tapes



Bolt



Connector clip



2 Shims



Accessory User's Information Manual



Backup Sensor Kit

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

Right corner sensor
(Identification mark: R)



Left corner sensor
(Identification mark: L)



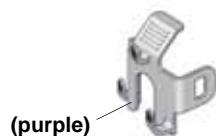
Right center sensor
(Identification mark: L)



Left center sensor
(Identification mark: R)



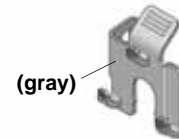
Right corner clip



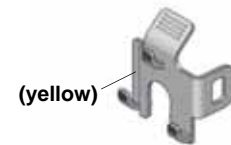
Left corner clip



Right center clip



Left center clip



TOOLS AND SUPPLIES REQUIRED

Phillips screwdriver

Small flat-tip screwdriver

Diagonal cutters

Ratchet

8 mm, 10 mm, and 14 mm Sockets

Isopropyl alcohol

Shop towel

Pushpin

Drill

3 mm Drill bit

24 mm and 26 mm Hole saws

Blanket

File

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

10 mm Open end wrench

Masking tape

5 mm Hex wrench

Scissors

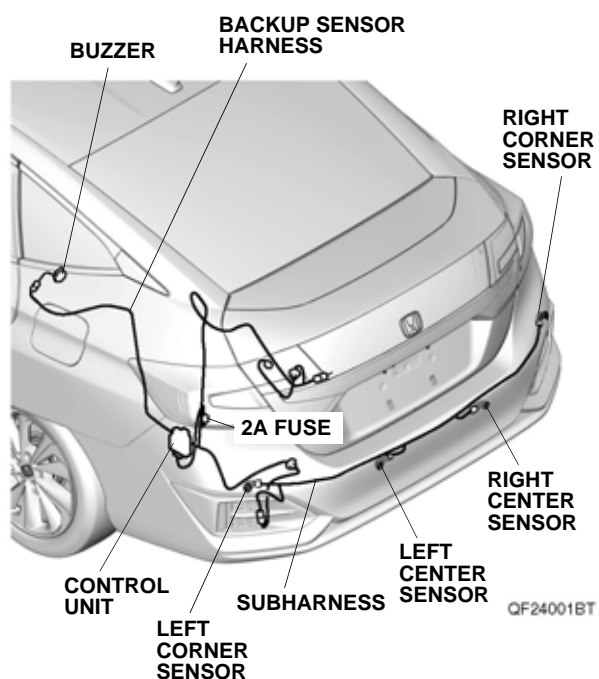
Flat-tip screwdriver

Torque wrench

The following tools are 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)
- Plastic Trim Tool (T/N SILTRIMTL10)

Illustration of the Backup Sensors Installed in 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.”

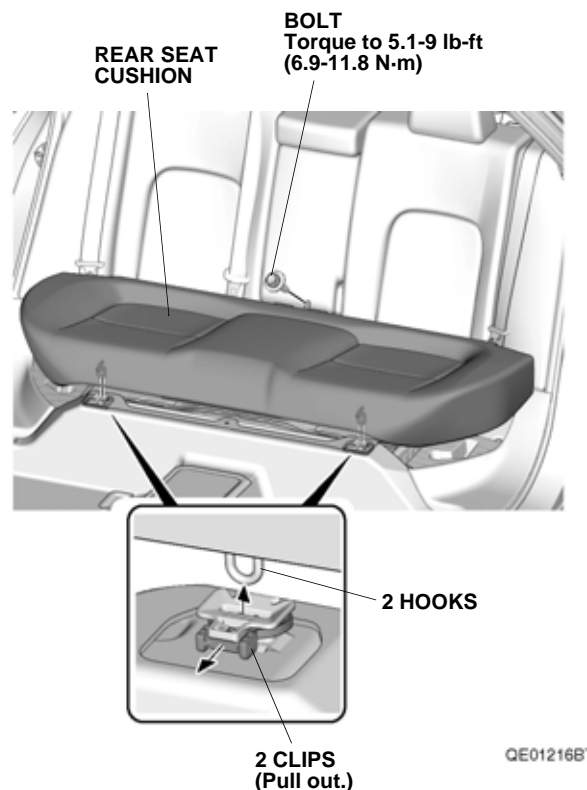
1. Open the trunk lid. Disconnect the negative cable from the battery.

CAUTION

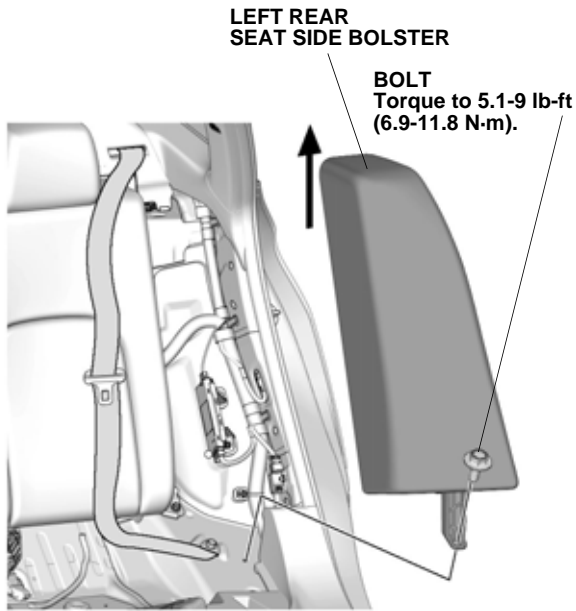
The procedure for disconnecting the negative cable from the battery varies according to the vehicle. For your safety refer to service information.

Removing the Vehicle Parts

2. Remove the bolt from the rear seat cushion. Pull out the two clips to release the hooks, and release the rear seat cushion.

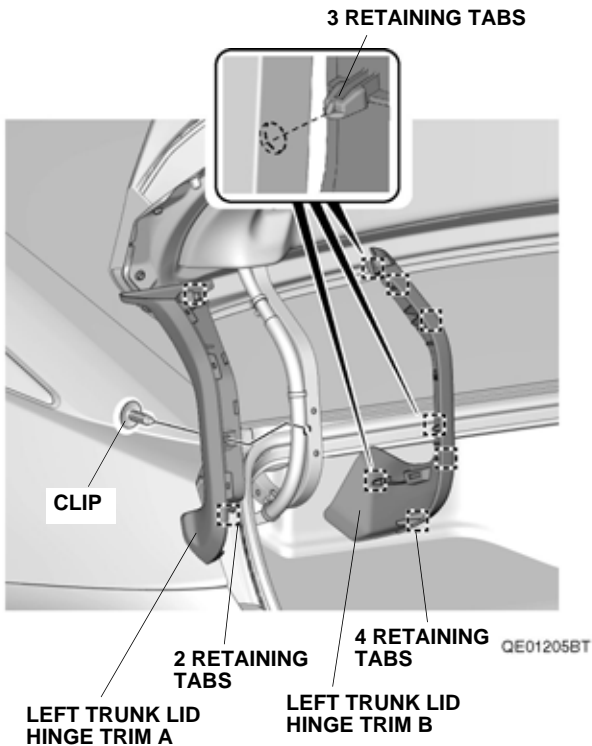


3. Remove the left rear seat side bolster.

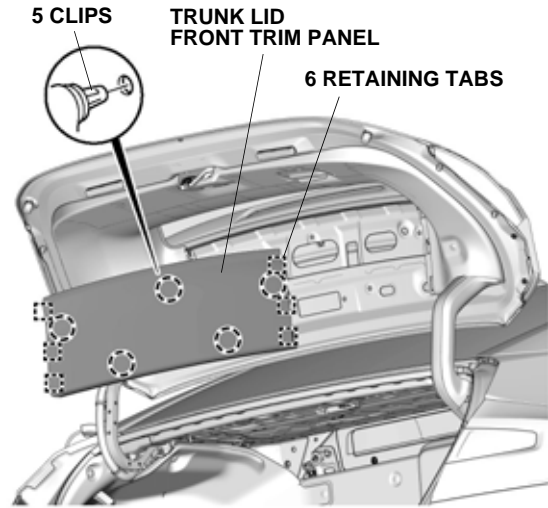


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4. Remove left trunk lid hinge trims A and B.

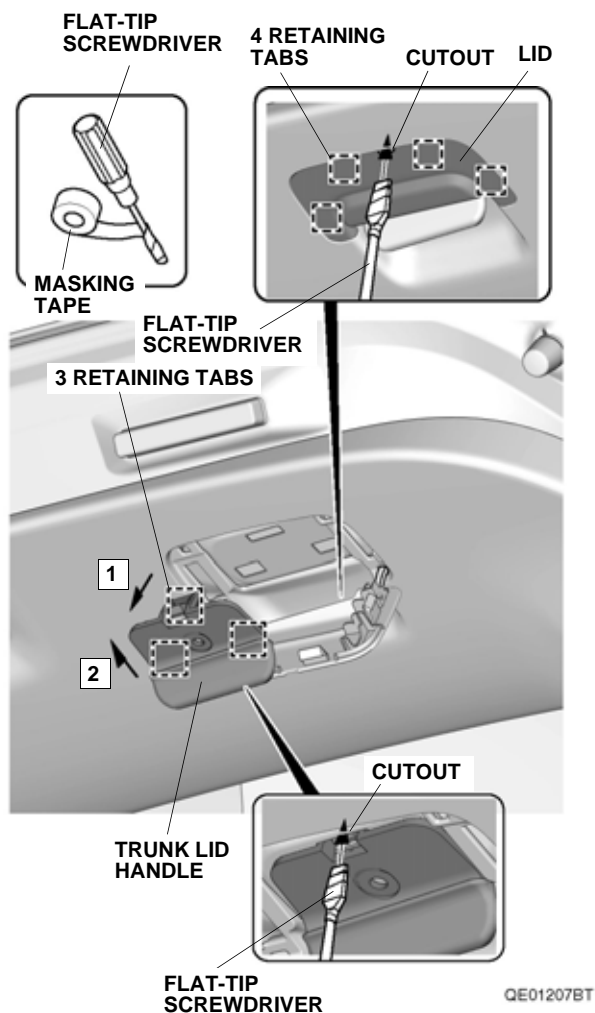


5. Remove the trunk lid front trim panel.

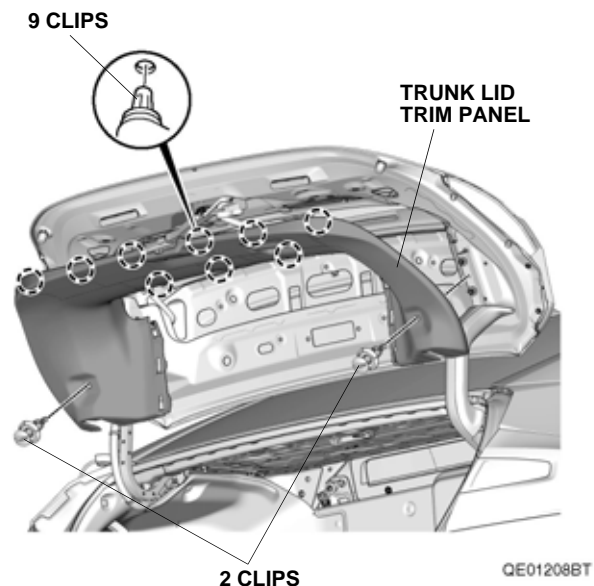


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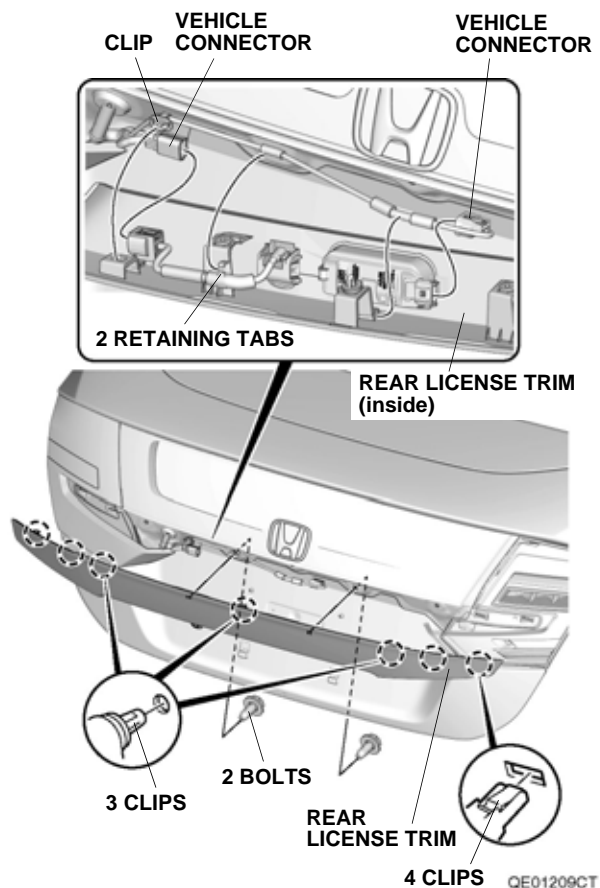
6. Remove the trunk lid handle:
- Wrap masking tape around the tip of a flat-tip screwdriver.
 - Release the lid.



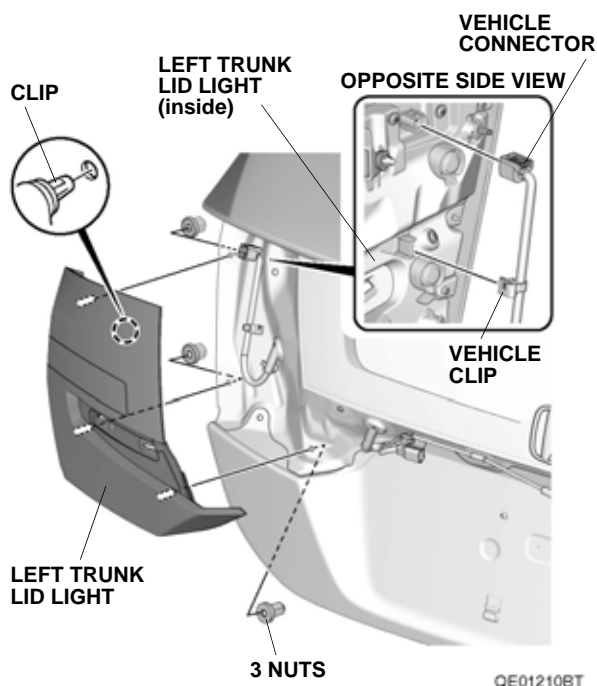
7. Remove the trunk lid trim panel.



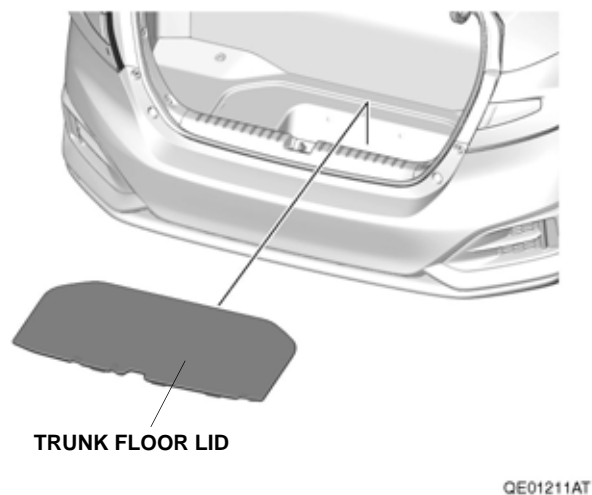
8. Remove the rear license trim, and unplug the vehicle connectors.



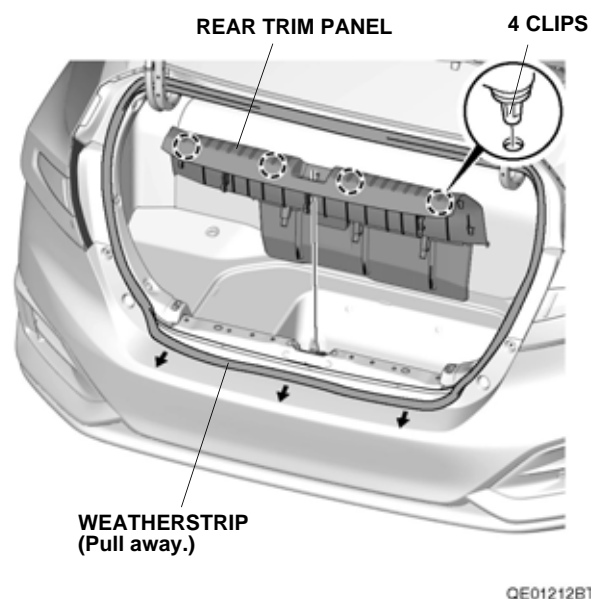
9. Remove the left trunk lid light, and unplug the vehicle connector.



10. Remove the trunk floor lid.



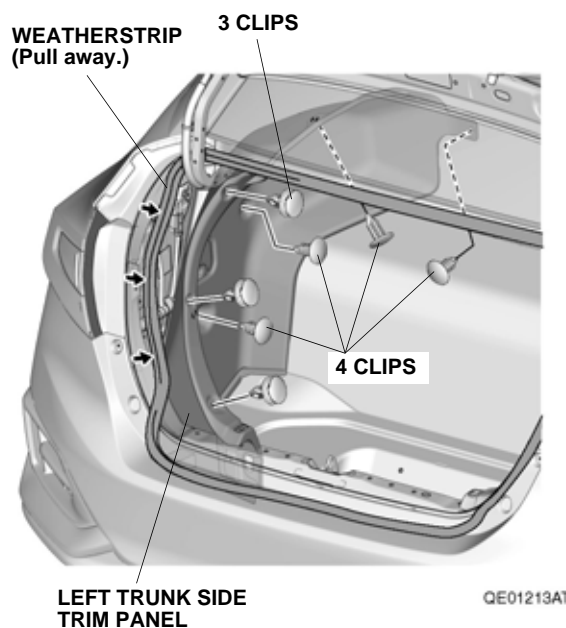
11. Pull away the weatherstrip, and remove the rear trim panel.



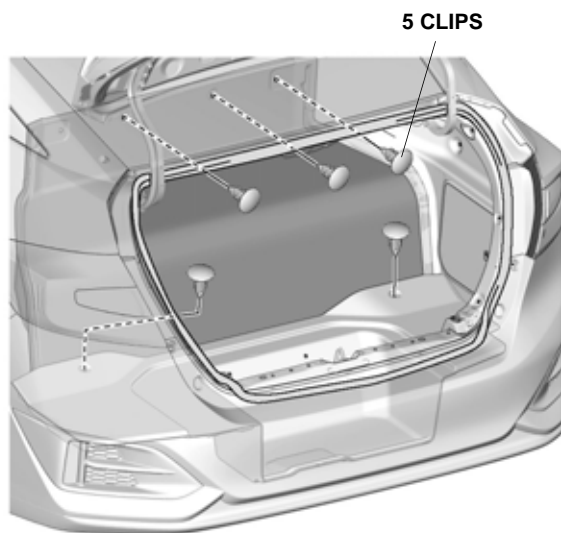
For the Clarity Fuel Cell, continue with step 12; for the Clarity Electric, go to step 15; for the Clarity Plug-in Hybrid, go to step 20.

Clarity Fuel Cell

12. Pull away the weatherstrip, and remove the left trunk side trim panel.

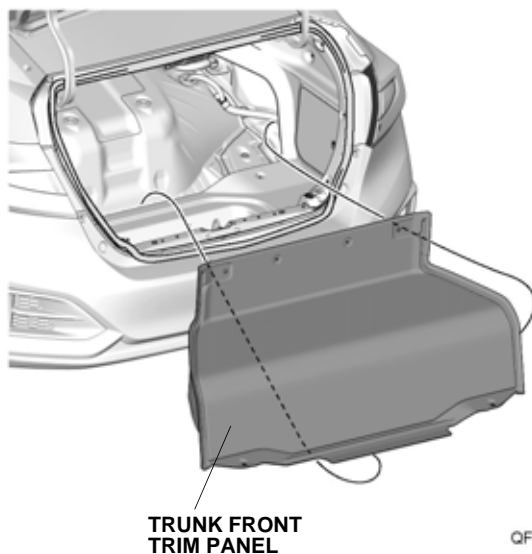


13. Remove the five clips.



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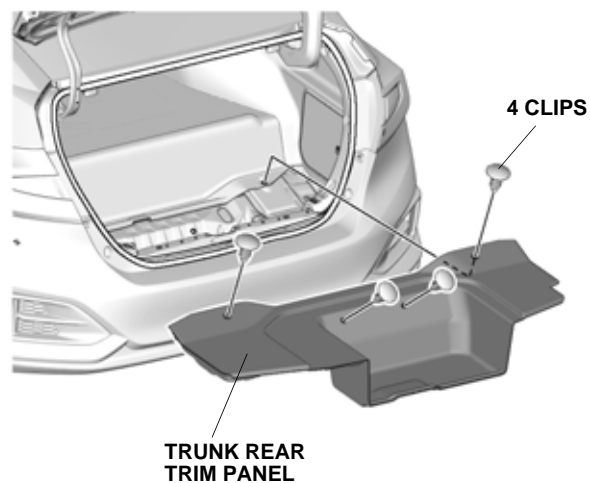
14. Remove the trunk front trim panel. Go to step 24.



QF24003AT

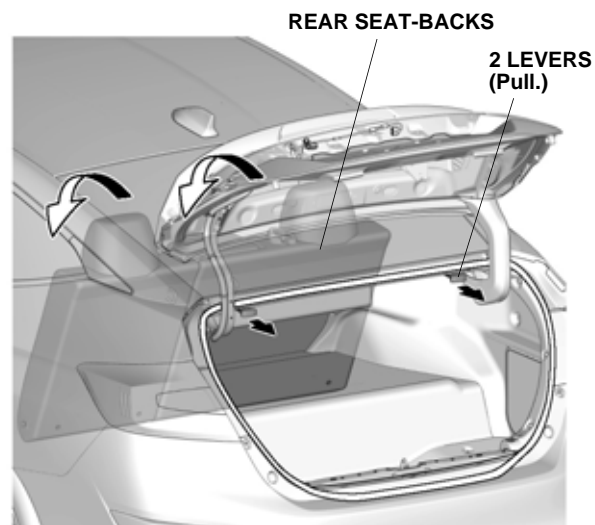
Clarity Electric

15. Remove the trunk rear trim panel.



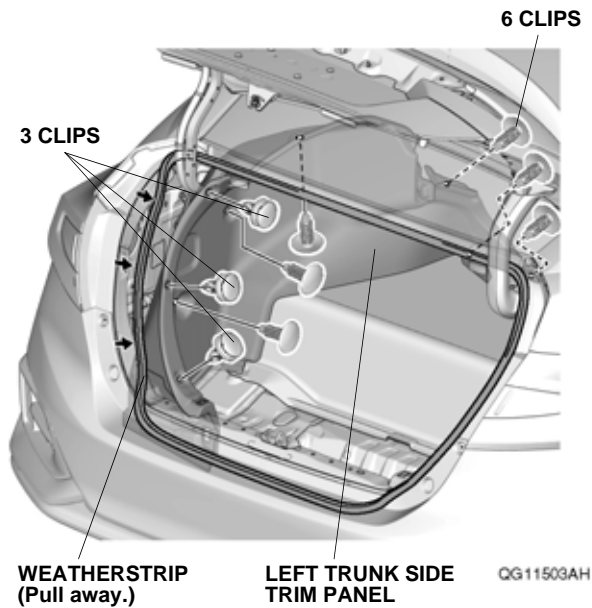
QG11501AH

16. Pull the levers, and fold the rear seat-backs forward.

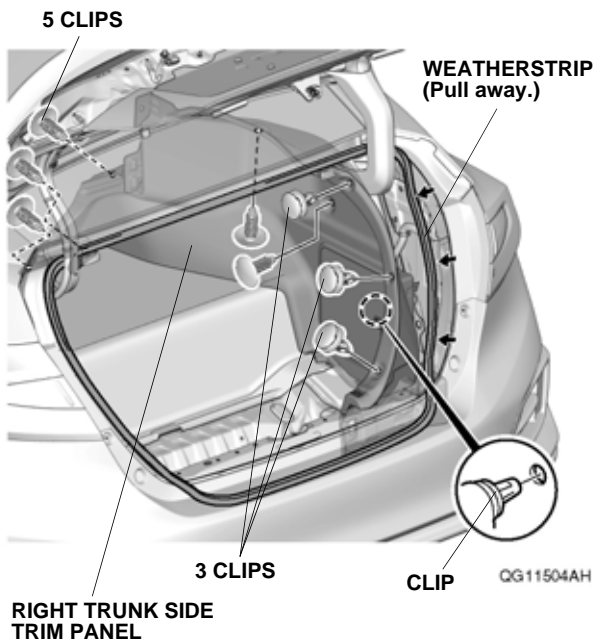


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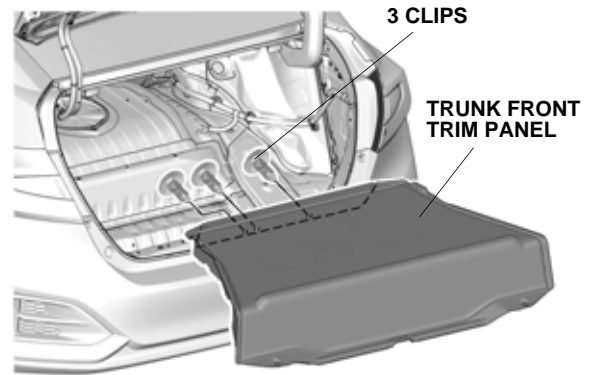
17. Pull away the weatherstrip, and remove the left trunk side trim panel.



18. Pull away the weatherstrip, and remove the right trunk side trim panel.



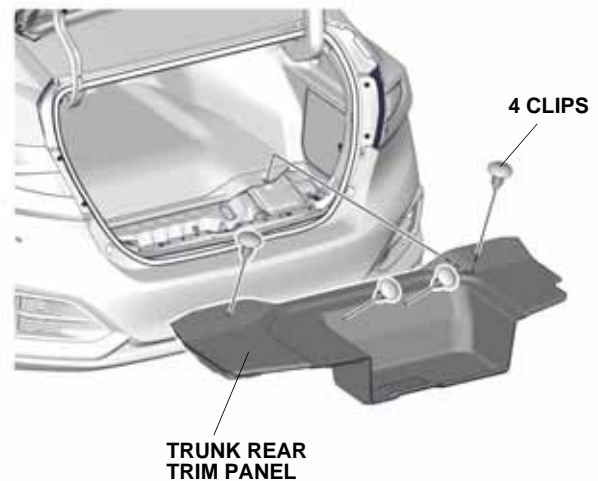
19. Remove the trunk front trim panel. Go to step 24.



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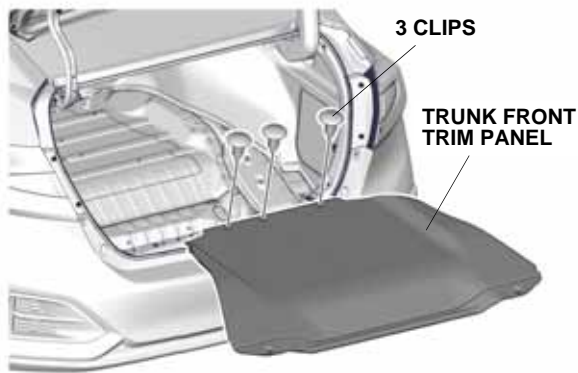
Clarity Plug-in Hybrid

20. Remove the trunk rear trim panel.



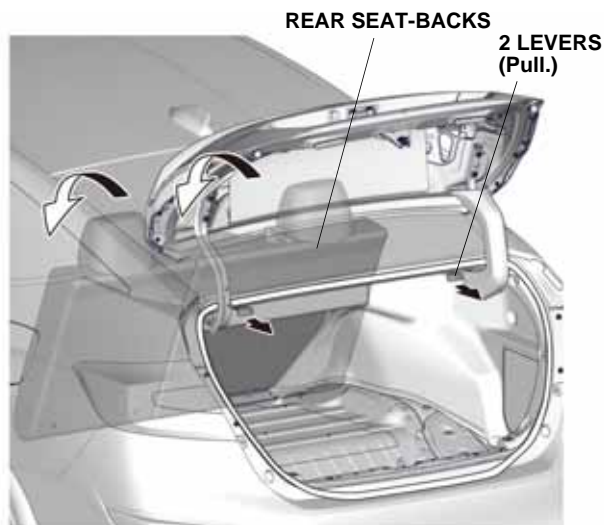
QG32503BH

21. Remove the trunk front trim panel.



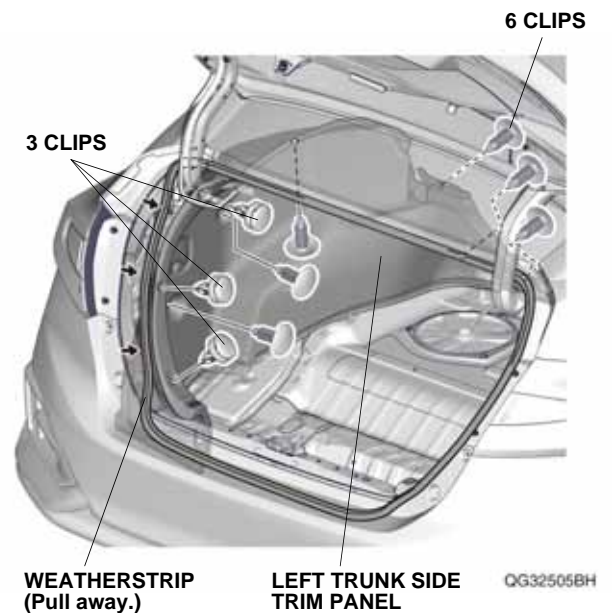
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22. Pull the levers, and fold the rear seat-backs forward.

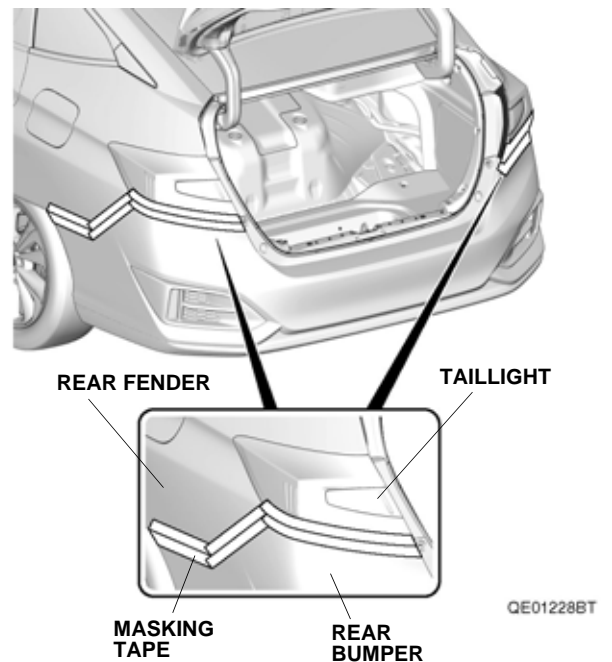


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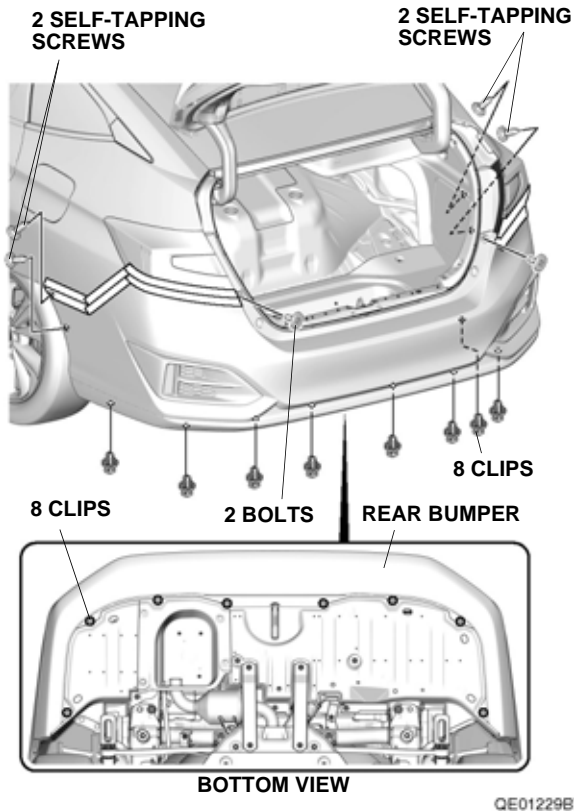
23. Pull away the weatherstrip, and remove the left trunk side trim panel.



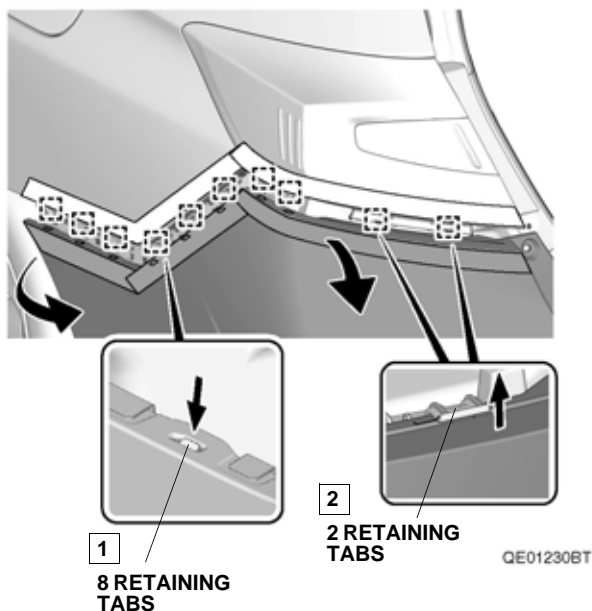
24. Remove the rear bumper:
- Apply masking tape as shown.



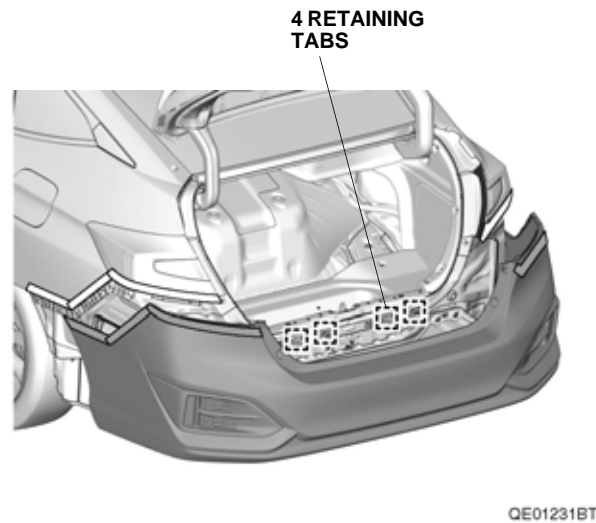
- Remove the eight clips, two bolts, and four self-tapping screws.



- With the help of an assistant, release the 10 retaining tabs. Repeat on the other side. NOTE: Remove the retaining tabs from the outside in the order shown. Make sure to remove the retaining tabs in the correct orientation.

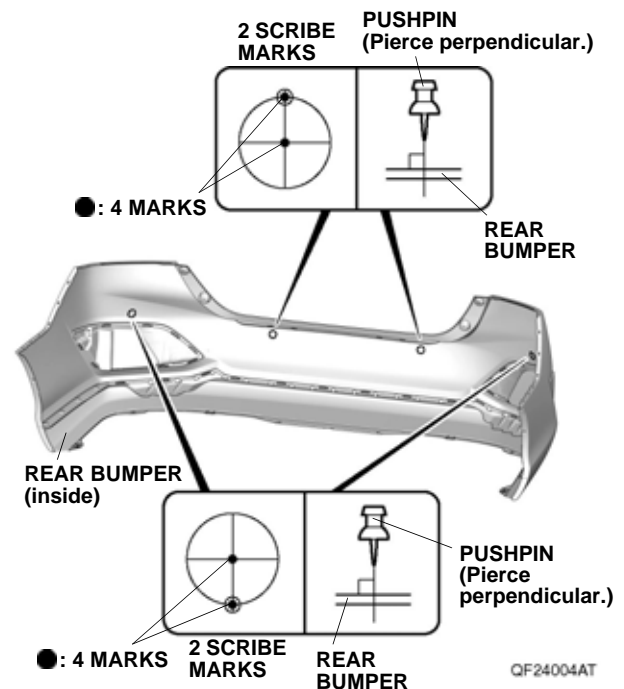


- With the help of an assistant, remove the rear bumper. Place the rear bumper on a blanket to prevent damage.

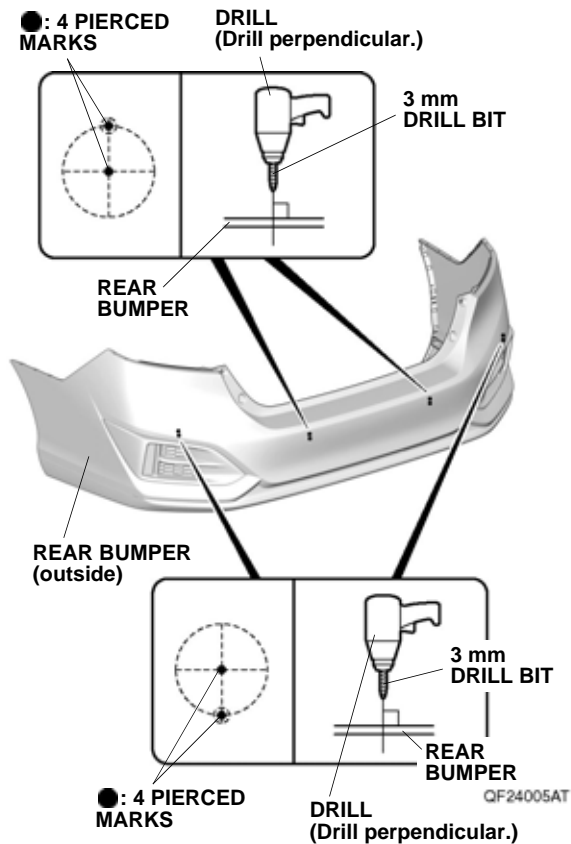


Installing the Backup Sensors

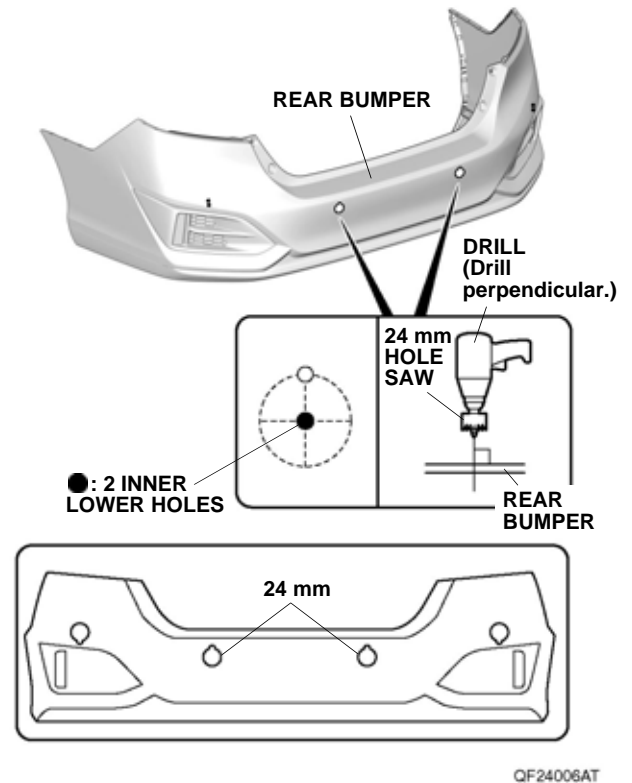
25. Mark the inside of the rear bumper:
- Locate four scribe marks on the inside of the rear bumper at the center and on each side.
 - Using a pushpin, pierce the scribe marks as shown.
- NOTE: Make sure to pierce the scribe marks perpendicular to the rear bumper.



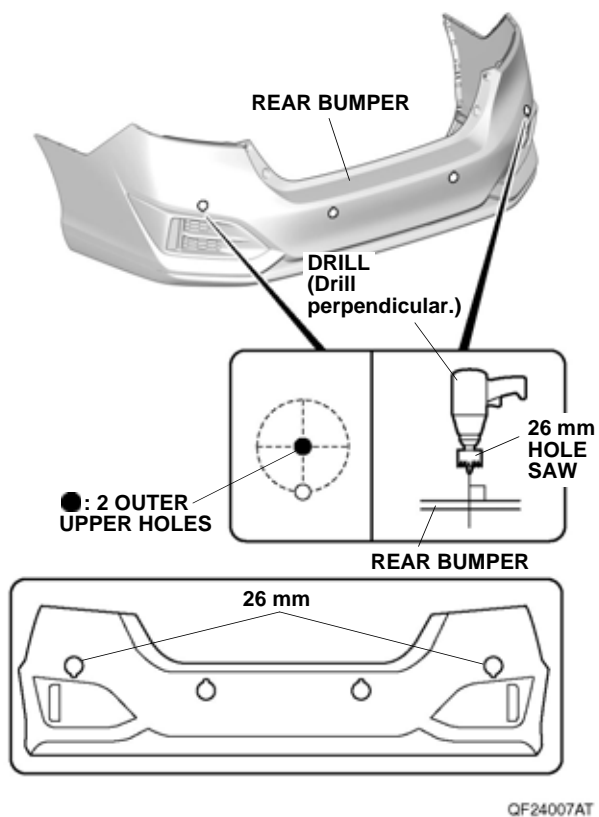
26. While wearing eye protection, drill the pierced marks with a 3 mm drill bit from the outside of the rear bumper.
- NOTE: Make sure to drill perpendicular to the rear bumper.



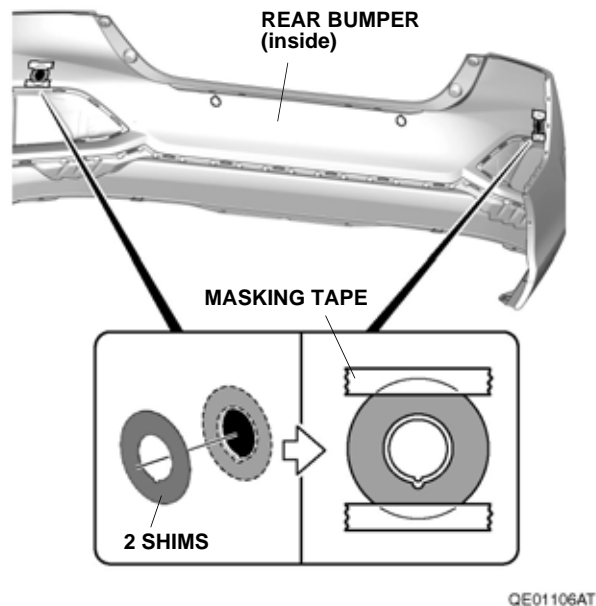
27. While wearing eye protection and drilling from the outside of the rear bumper, enlarge the two 3 mm inner lower holes to 24 mm using a 24 mm hole saw.
- NOTE: Make sure to drill perpendicular to the rear bumper. Remove any burrs.



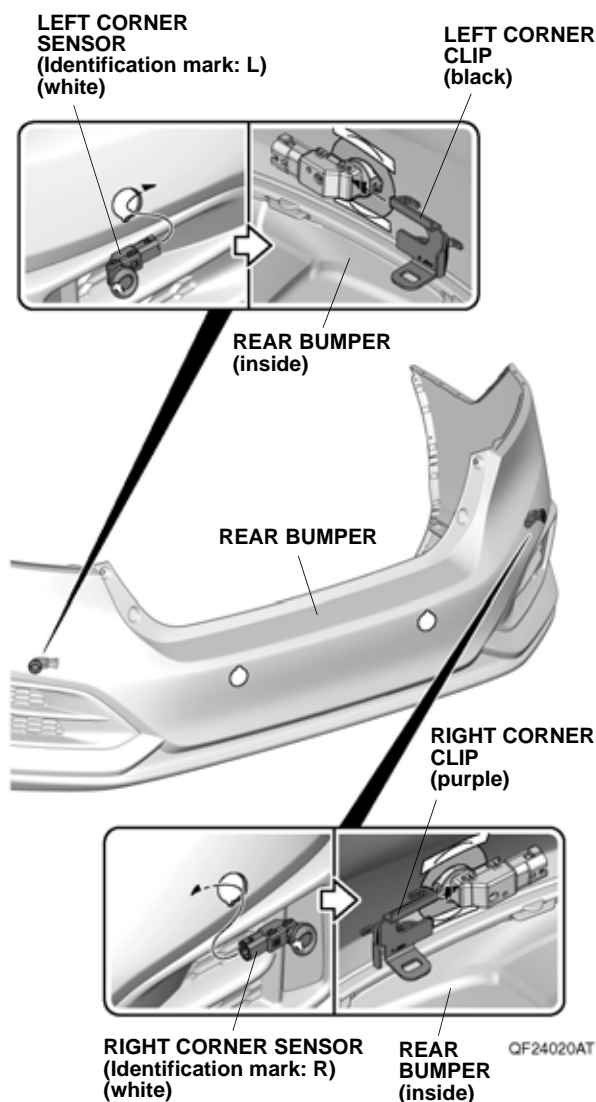
28. While wearing eye protection and drilling from the outside of the rear bumper, enlarge the two 3 mm outer upper holes to 26 mm using a 26 mm hole saw. NOTE: Make sure to drill perpendicular to the rear bumper. Remove any burrs.



29. Install two shims to the inside of the rear bumper. NOTE: Make sure to install the shim in the correct orientation.

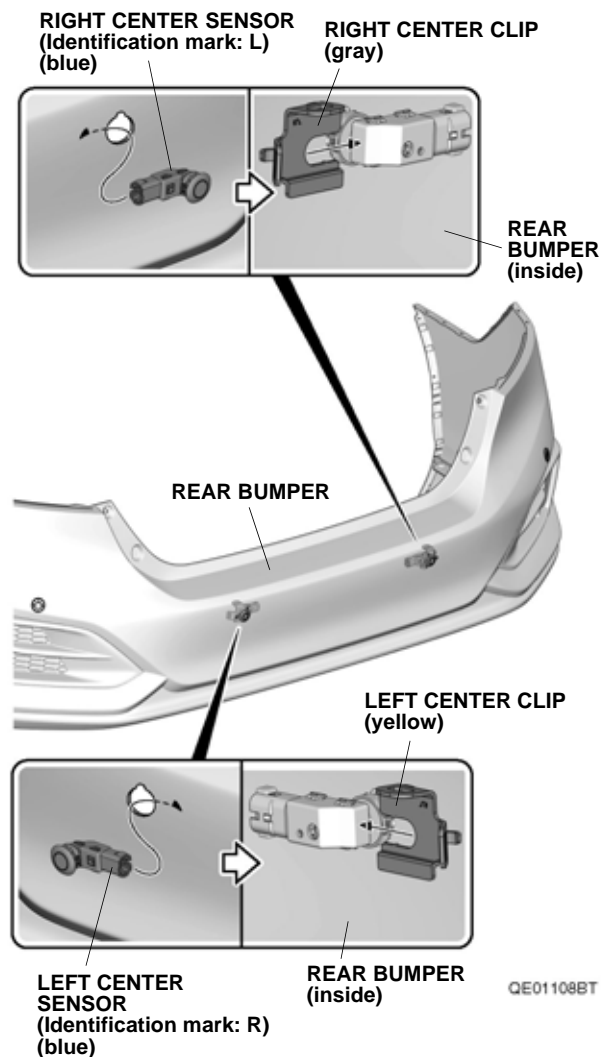


30. Insert the left and right corner sensors (white) to the rear bumper, and secure them with the left and right corner clips as shown.
NOTE: Make sure to check the shape (identification mark) before installation.

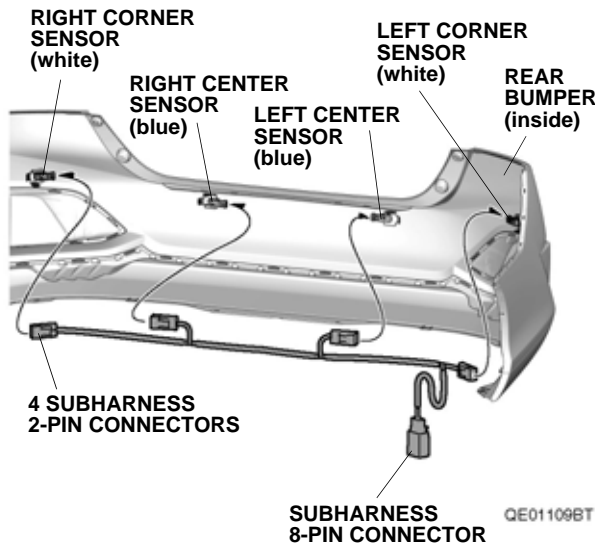


31. Remove the masking tape.

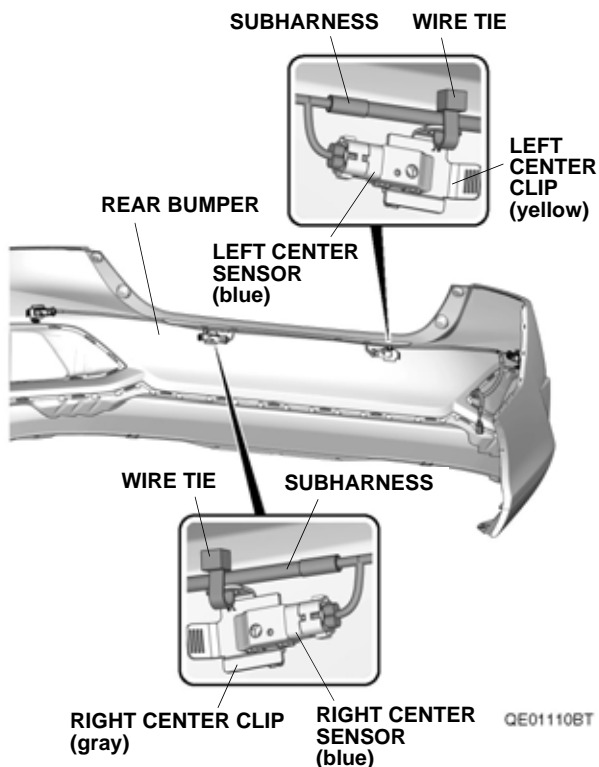
32. Insert the left and right center sensors (blue) to the rear bumper, and secure them with the left and right center clips as shown.
NOTE: Make sure to check the shape (identification mark) before installation.



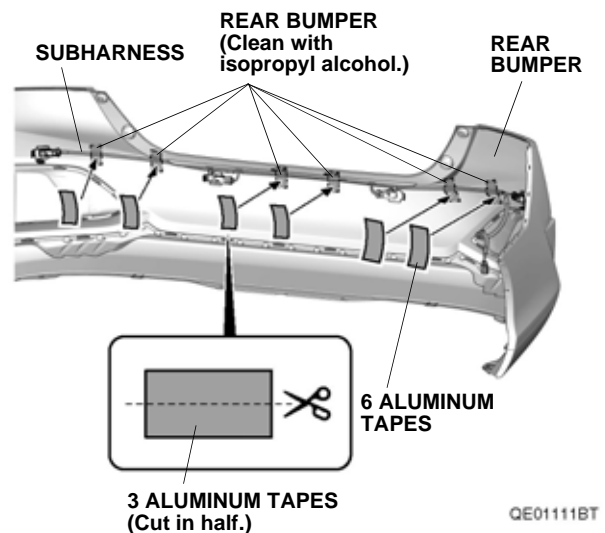
33. Plug the four subharness 2-pin connectors into the center sensors (blue) and corner sensors (white).



34. Secure the subharness to the left and right center clips with two wire ties.



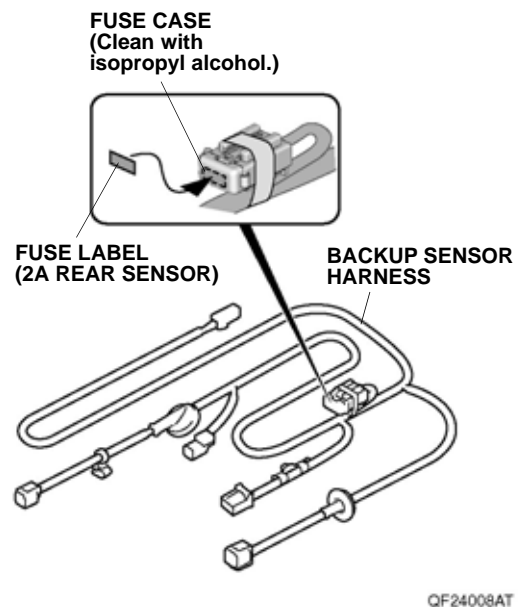
35. Using isopropyl alcohol on a shop towel, thoroughly clean the rear bumper where the aluminum tape will attach.



36. Using scissors, cut three pieces of aluminum tape in half and secure the subharness to the rear bumper with six halves of aluminum tape as shown.

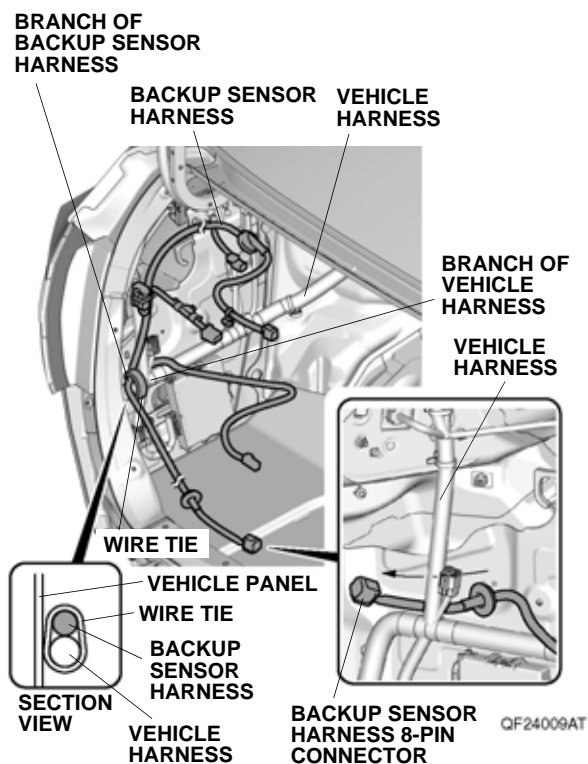
Routing the Backup Sensor Harness

37. Using isopropyl alcohol on a shop towel, thoroughly clean the backup sensor harness fuse case where the fuse label will attach.

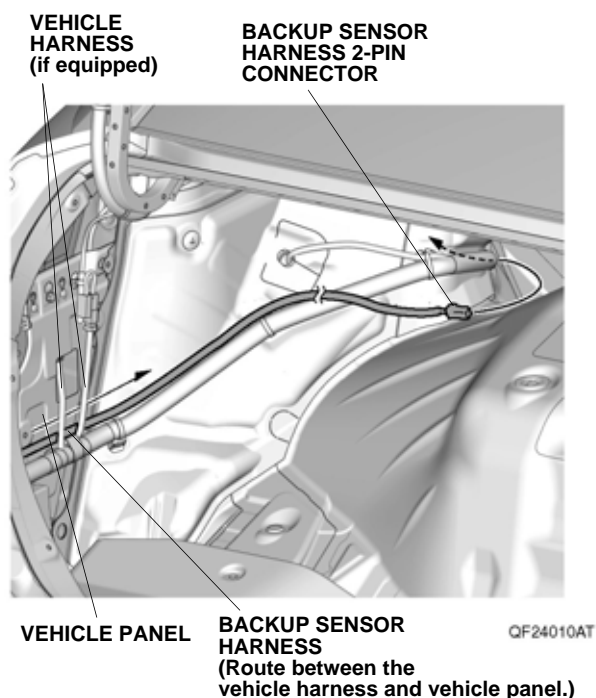


38. Apply the fuse label (2A REAR SENSOR) to the backup sensor harness fuse case.

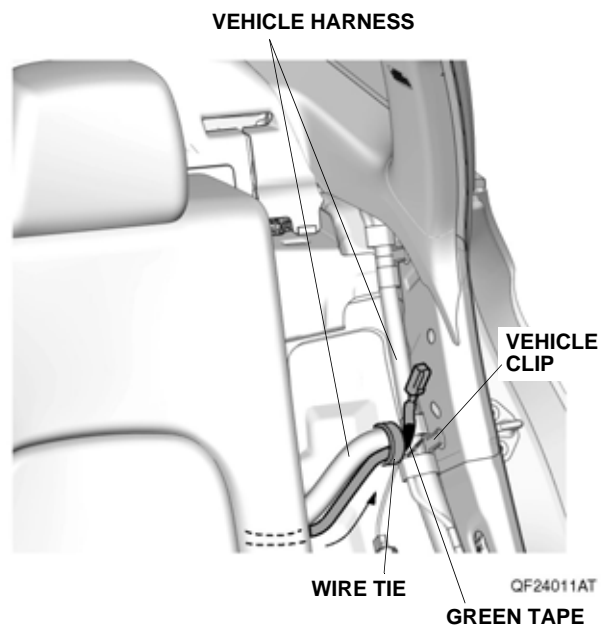
39. Route the backup sensor harness 8-pin connector as shown. Line up the branch of the backup sensor harness with the branch of vehicle harness, and secure the backup sensor harness to the vehicle harness with one wire tie.



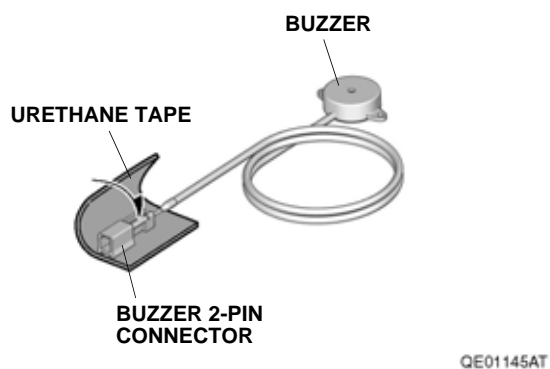
40. Route the backup sensor harness 2-pin connector as shown.



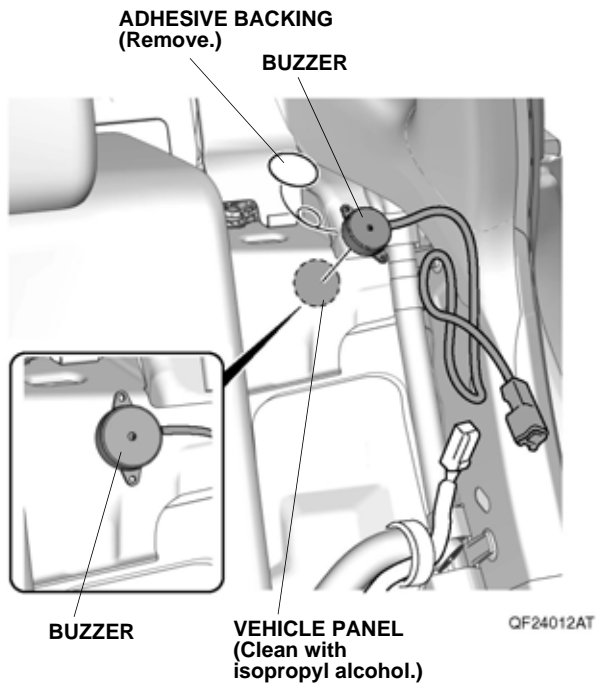
41. Line up the green tape on the backup sensor harness with the vehicle clip, and secure the backup sensor harness to the vehicle harness with one wire tie.



42. Wrap one piece of urethane tape around the buzzer 2-pin connector as shown.

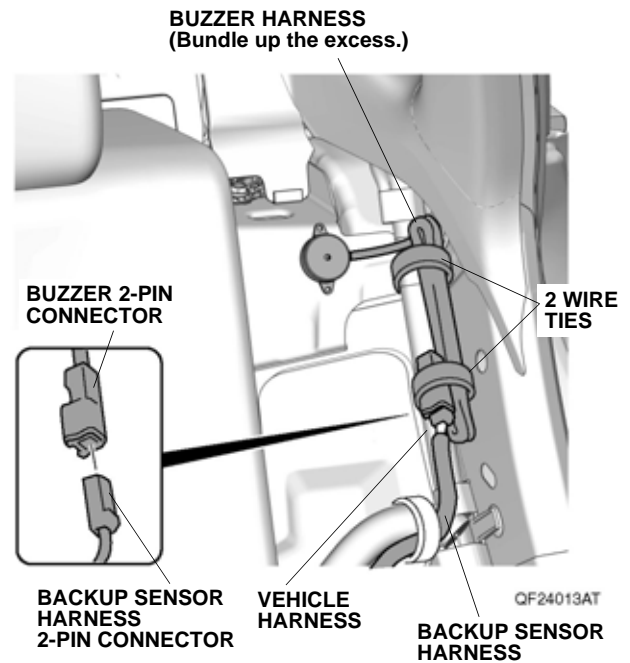


43. Using isopropyl alcohol on a shop towel, thoroughly clean the vehicle panel where the buzzer will attach.



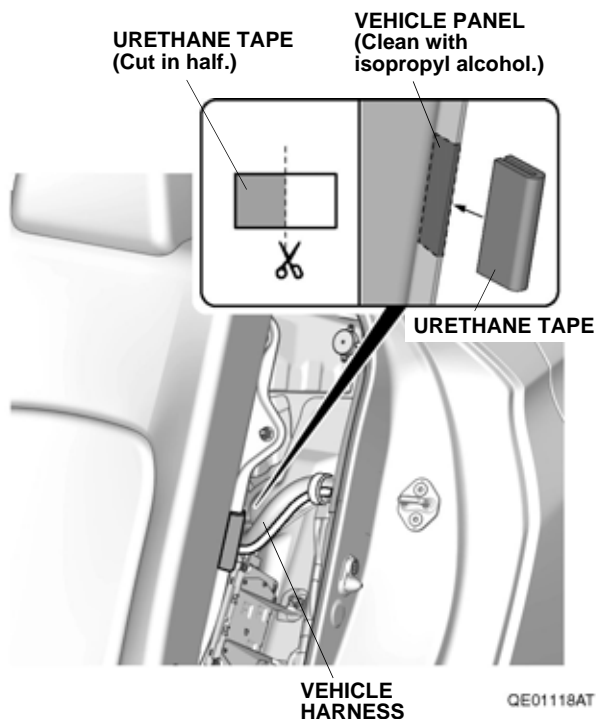
44. Remove the adhesive backing from the buzzer, and attach the buzzer to the vehicle panel as shown.
NOTE: Make sure to install the buzzer in the correct orientation.

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

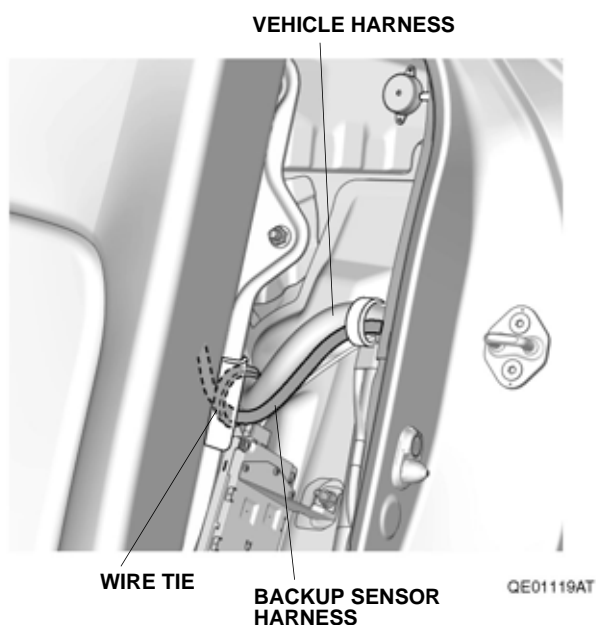


46. Bundle up the excess buzzer harness as shown, and secure the buzzer harness and 2-pin connectors to the vehicle harness with two wire ties.

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

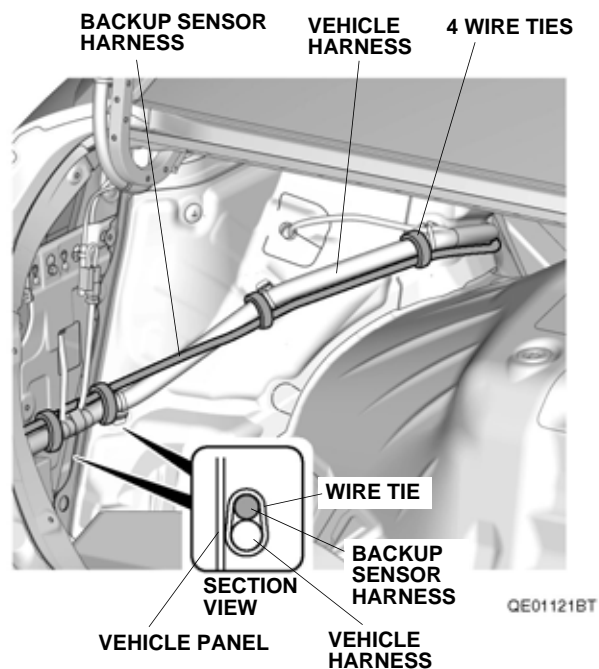


48. Using scissors, cut one urethane tape in half and attach one half piece of urethane tape to the vehicle panel.
49. Secure the backup sensor harness to the vehicle harness with one wire tie.

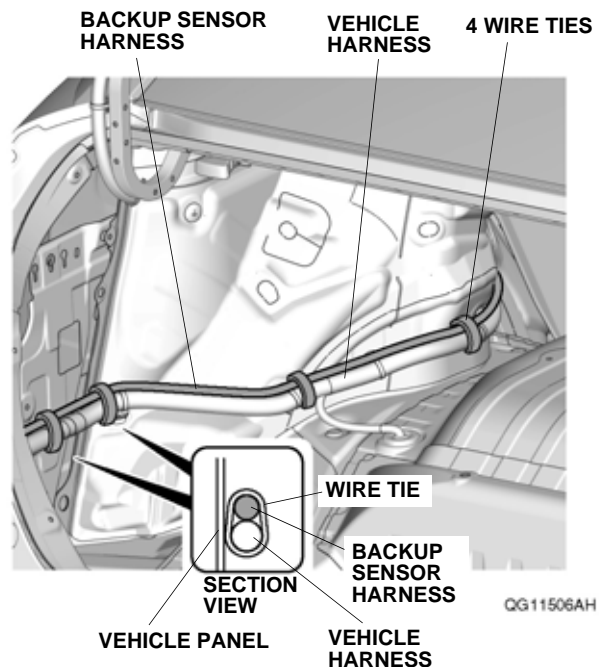


50. Secure the backup sensor harness to the vehicle harness with four wire ties.

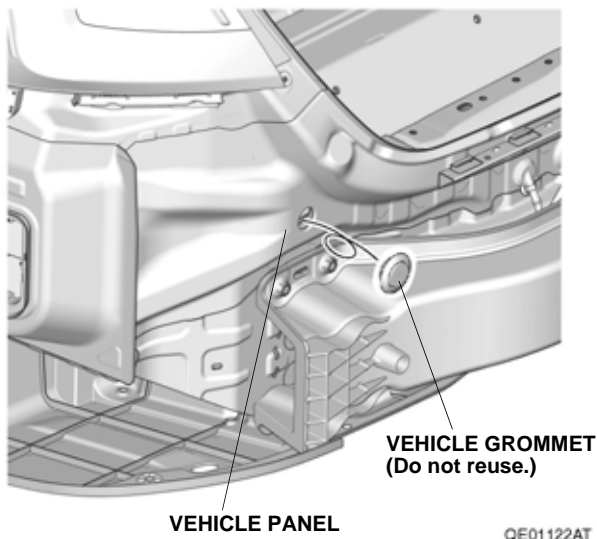
Clarity Fuel Cell



Clarity Electric and Clarity Plug-in Hybrid



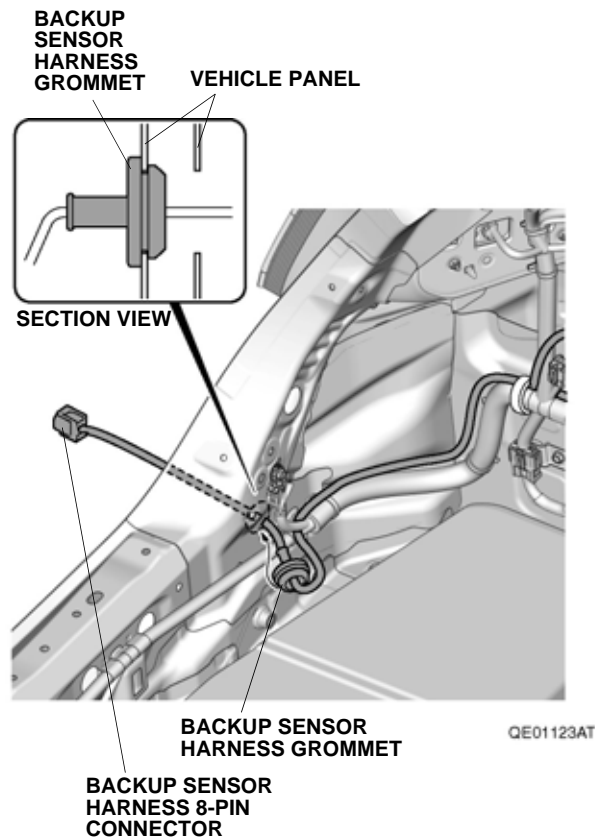
51. Remove the vehicle grommet from the vehicle panel.



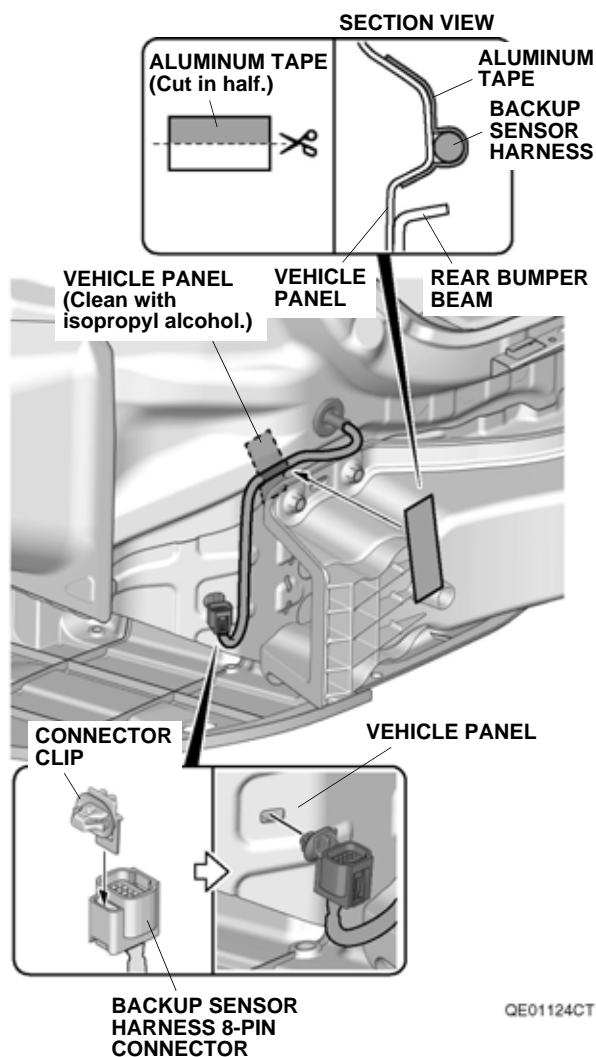
52. Route the backup sensor harness 8-pin connector through the vehicle panel hole, and secure the backup sensor harness grommet to the vehicle panel.

NOTE:

- Install the backup sensor harness by holding the grommet.
- Make sure to check that the grommet is secured properly.

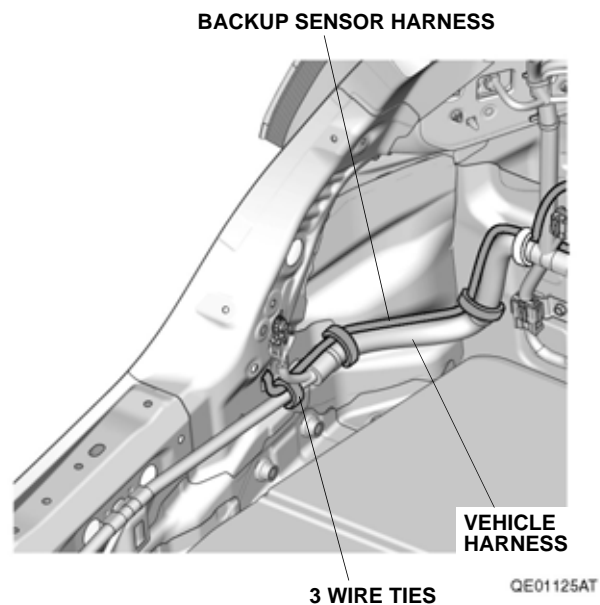


53. Insert one connector clip to the backup sensor harness 8-pin connector, and secure the backup sensor harness 8-pin connector to the vehicle panel with one connector clip.

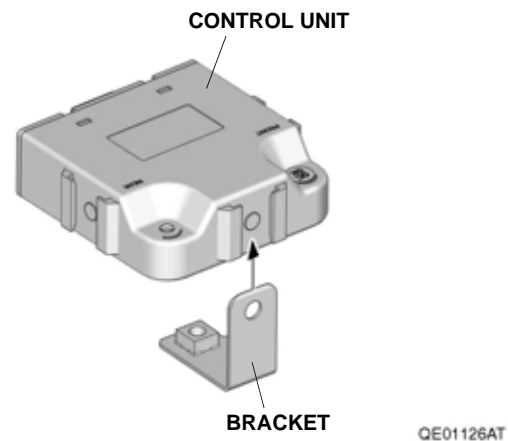


54. Using isopropyl alcohol on a shop towel, thoroughly clean the vehicle panel where the aluminum tape will attach.
55. Using scissors, cut one piece of aluminum tape in half and secure the backup sensor harness to the vehicle panel with one half of the aluminum tape.

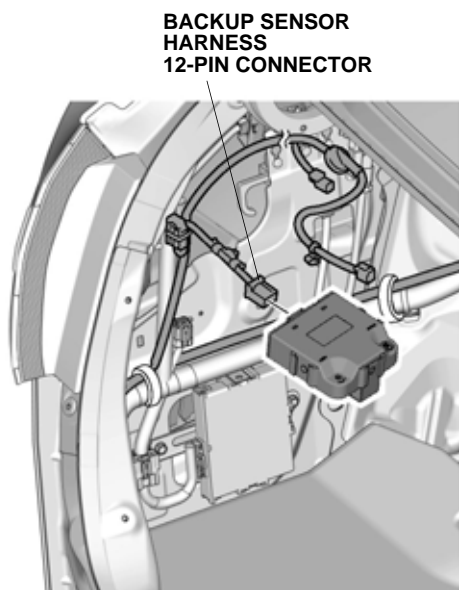
56. Secure the backup sensor harness to the vehicle harness with three wire ties.



57. Install the bracket to the control unit.
NOTE: Make sure to install the bracket in the correct orientation.

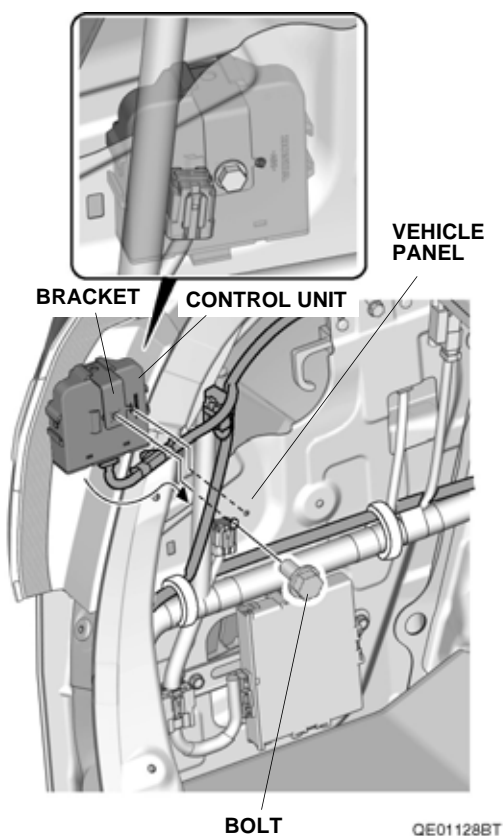


58. Plug the backup sensor harness 12-pin connector into the control unit.



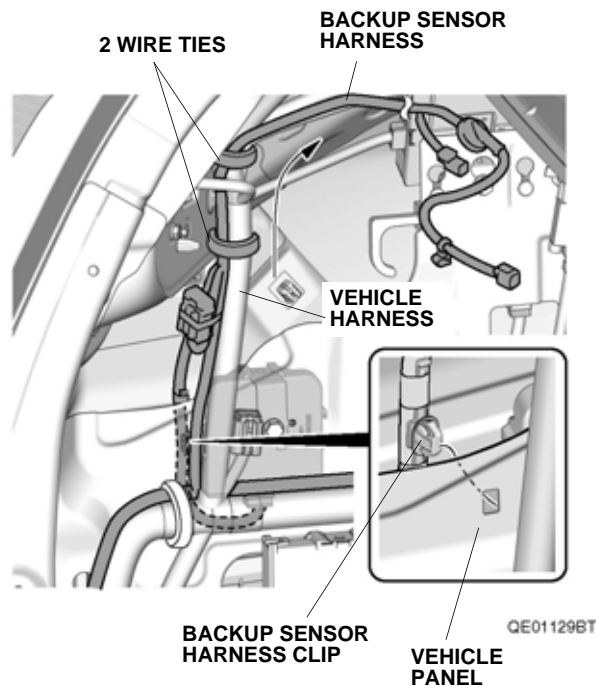
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59. Secure the bracket to the vehicle panel with one bolt.



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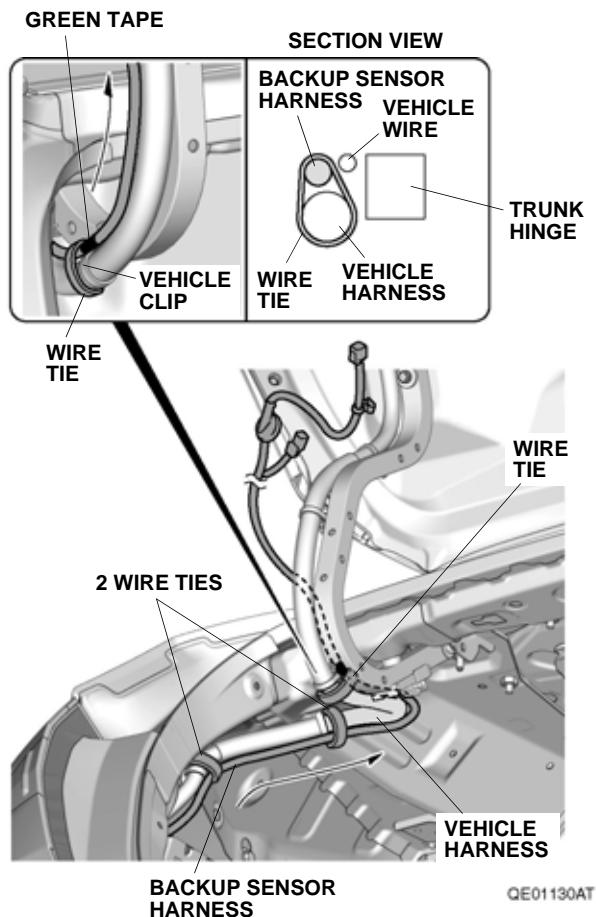
60. Secure the backup sensor harness clip to the vehicle panel.



QE01129BT

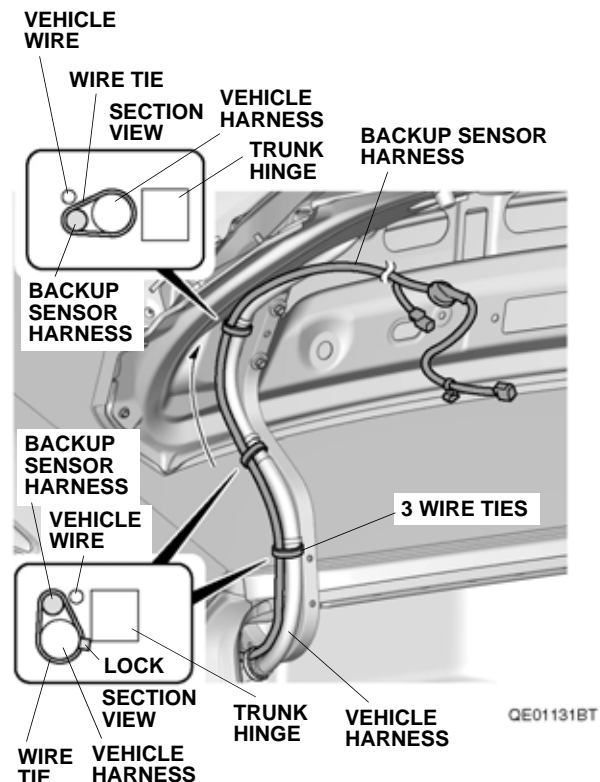
61. Route the backup sensor harness along the vehicle harness, and secure the backup sensor harness to the vehicle harness with two wire ties.

62. Route the backup sensor harness along the vehicle harness, and secure the backup sensor harness to the vehicle harness with two wire ties.

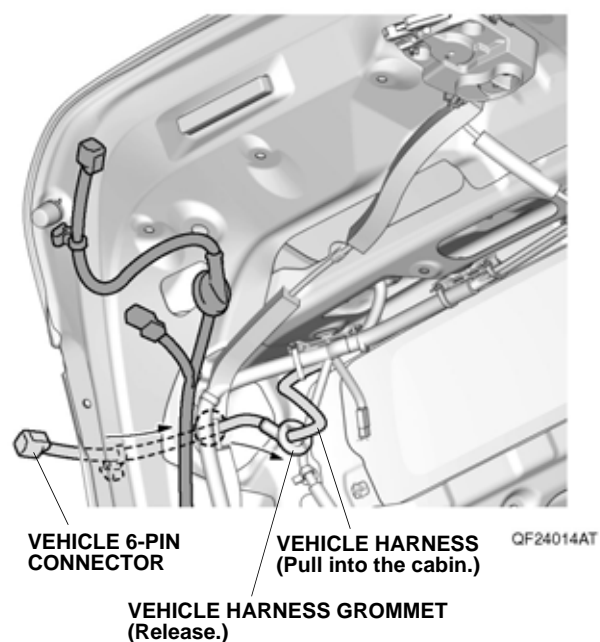


63. Line up the green tape on the backup sensor harness with the vehicle clip and secure the backup sensor harness to the vehicle harness with one wire tie.

64. Route the backup sensor harness along the vehicle harness, and secure the backup sensor harness to the vehicle harness with three wire ties.



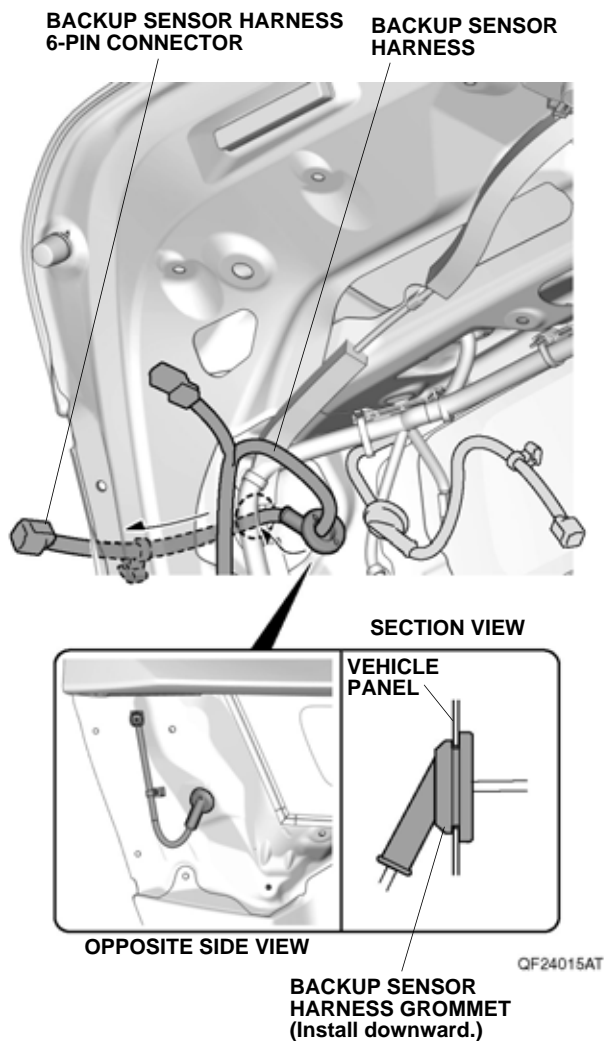
65. Release the vehicle harness grommet, and pull the vehicle harness into the cabin.



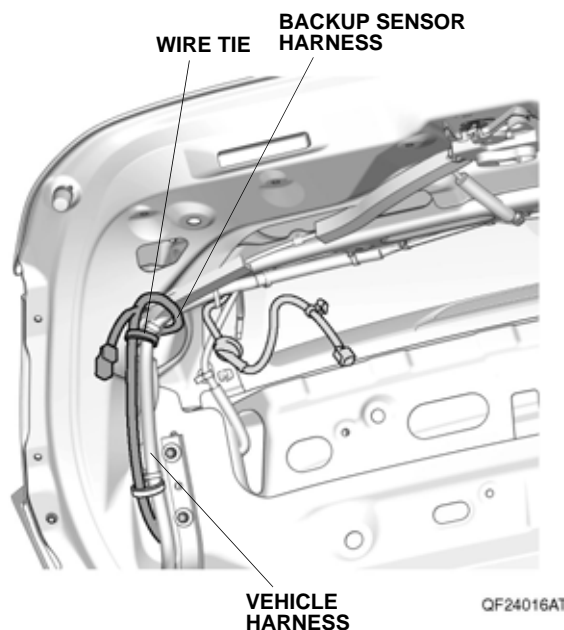
66. Route the backup sensor harness 6-pin connector through the vehicle panel hole, and secure the backup sensor harness grommet to the vehicle panel.

NOTE:

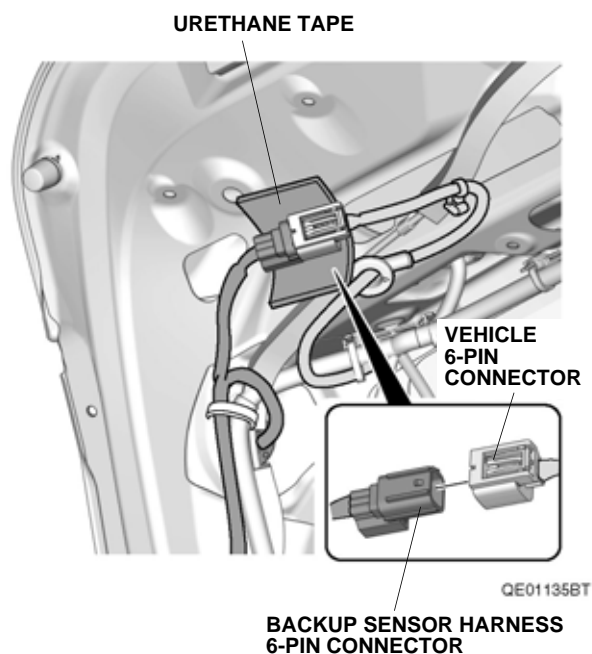
- Install the backup sensor harness by holding the grommet.
- Make sure to check that the grommet is secured properly.
- Make sure to install the grommet in the correct orientation.



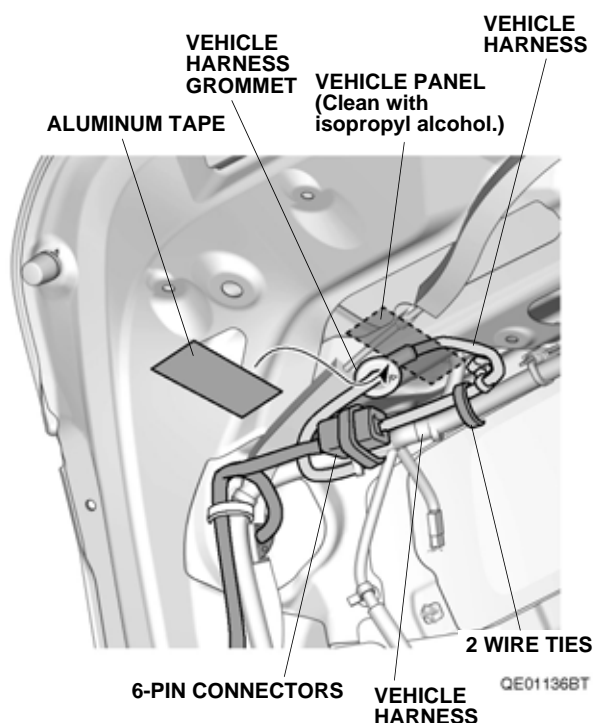
67. Secure the backup sensor harness to the vehicle harness with one wire tie.



68. Plug the vehicle 6-pin connector into the backup sensor harness 6-pin connector, and wrap one piece of urethane tape around the 6-pin connectors.

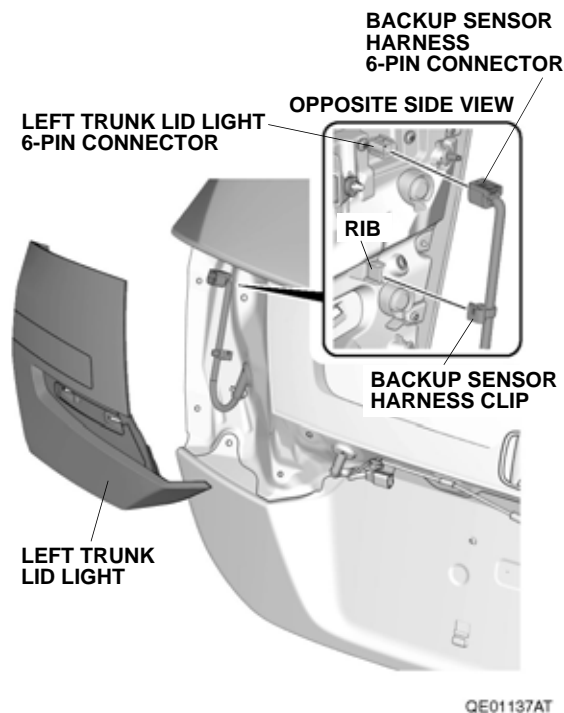


69. Secure the 6-pin connectors and vehicle harness to the vehicle harness with two wire ties.

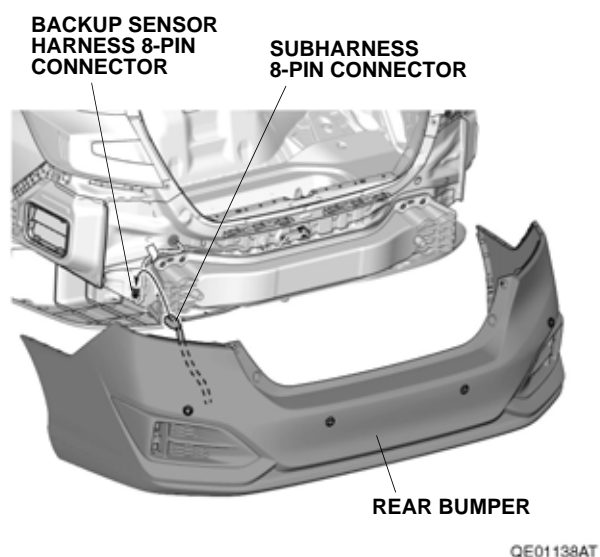


70. Secure the vehicle harness to the vehicle panel with one piece of aluminum tape.

71. Plug the backup sensor harness 6-pin connector into the left trunk lid light 6-pin connector, and secure the backup sensor harness clip to the left trunk lid light. Install the left trunk lid light.



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



73. Check that all wire harnesses are routed properly and all connectors are plugged in.
74. Install all removed parts.
75. Connect the negative cable to the battery.
76. Press and hold the audio unit power button for 2 seconds to restore the audio and navi (if equipped) system functions.
77. Set the clock on vehicles without navigation.

Check the Operation of the Backup Sensor

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

Adjust the Volume Control

The factory setting is maximum volume. After confirming the operation, turn the volume control knob to the appropriate level, with a small flat-tip screwdriver.

NOTICE: Do not force the adjuster; it could damage the unit.

