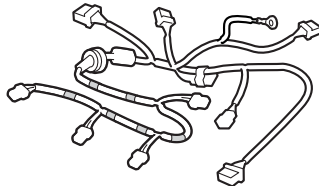


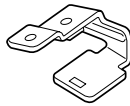
Accessory	Application	Publications No.
BACKUP SENSOR	2004 MDX	BII 25800
		Issue Date OCT 2003

PARTS LIST
Backup Sensor Attachment Kit (sold separately)
P/N 08V67-S3V-201F

Backup sensor harness



Control unit bracket



Flange bolt, 6 x 12 mm



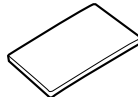
2 Clips



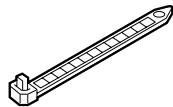
Fuse label



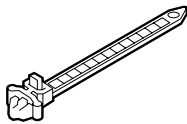
Cushion tape



22 Wire ties



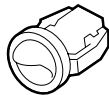
4 Wire ties with clip



Double-sided adhesive tape



Switch



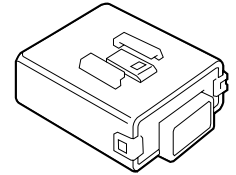
Connector holder



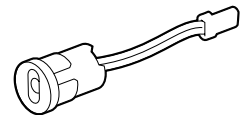
Flange bolt, 6 x 8 mm


Backup Sensor Kit (sold separately)
P/N 08V67-S3V-200

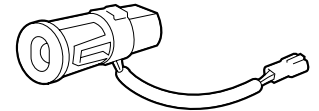
Control unit



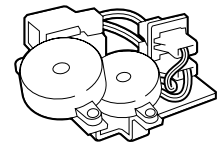
2 Corner sensors



2 Center sensors



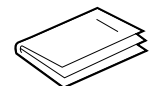
Beeper



2 Retainer clips



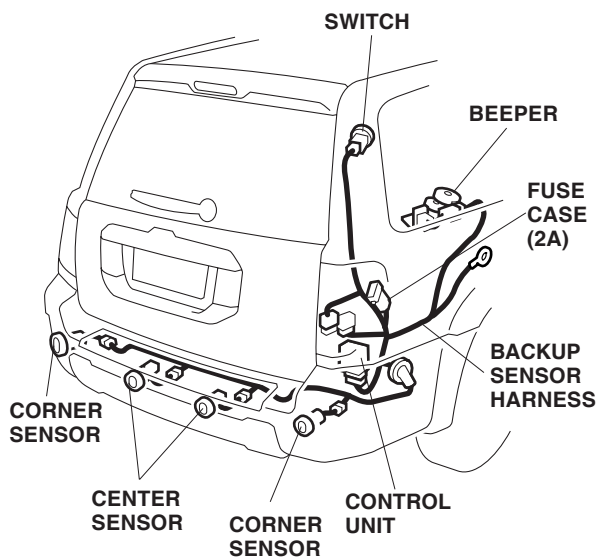
Owner's Manual



TOOLS AND SUPPLIES REQUIRED

Phillips screwdriver
Flat-tip screwdriver
Small flat-tip screwdriver
Ratchet
10 mm, 12 mm, and 14 mm Sockets
Torque wrench
Diagonal cutters
Utility knife
Pushpin
Drill
3 mm Drill bit
Felt-tip pen
Tape measure
Isopropyl alcohol
Shop towel
Eye protection (safety goggles, face shield, etc.)
10 mm Combination wrench
Blanket
File
14 mm Box-end wrench
Clip remover
13/16" (20 mm) and 1" (26 mm) Hole saws
Available through the Honda Tool and Equipment Program at 888 424-6857:
Hole saw 13/16" (20 mm) P/N: LHS26D
Hole saw 1" (26 mm) P/N: LHS32D
Arbor P/N: LHS1C

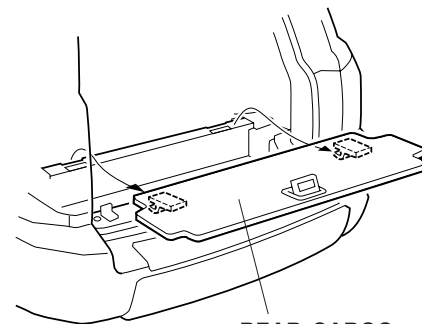
Illustration of the Backup Sensor Installed on the Vehicle



INSTALLATION

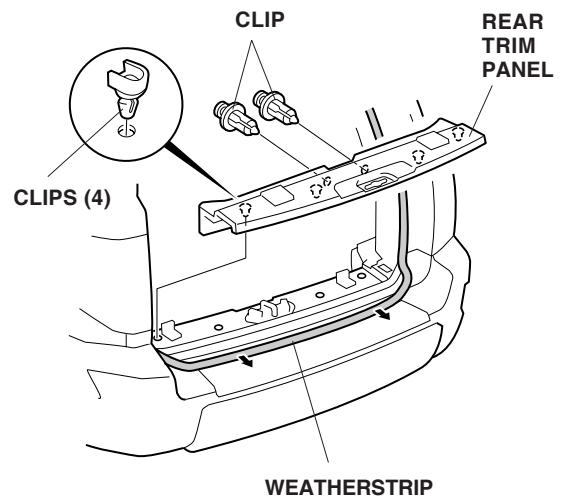
Customer Information: The information in this installation instruction is intended for use only by skilled technicians who have the proper tools, equipment, and training to correctly and safely add equipment to your vehicle. These procedures should not be attempted by "do-it-yourselfers."

1. Make sure you have the anti-theft code for the radio, then write down the radio station presets.
2. Disconnect the negative cable from the battery.
3. Open the tailgate, and remove the rear cargo floor lid.

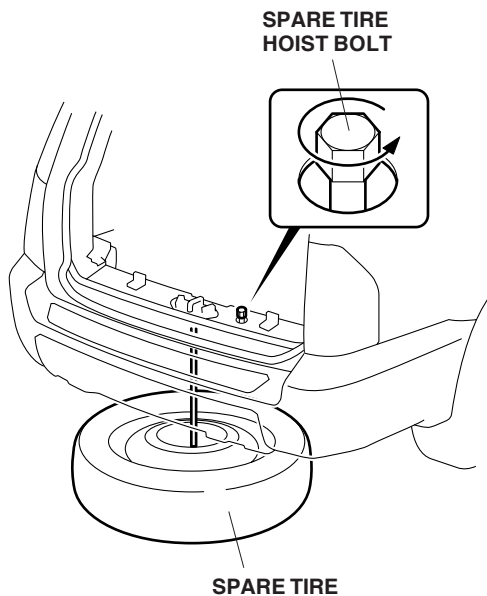


REAR CARGO FLOOR LID

4. Remove the weatherstrip from the tailgate opening, and remove the rear trim panel (six clips).

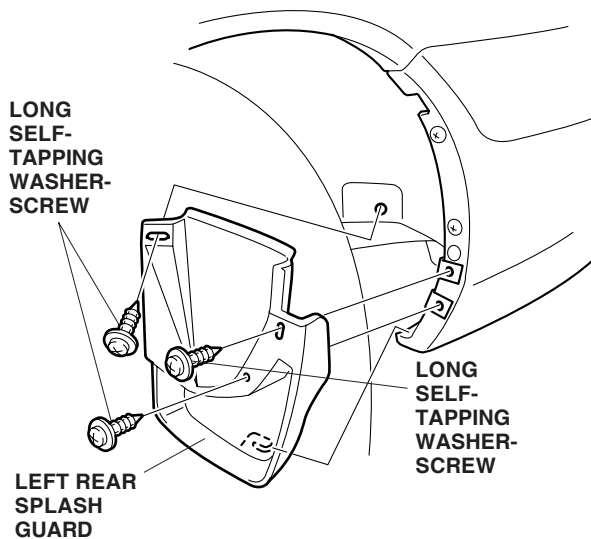


- Using a 19 mm socket, lower the spare tire.

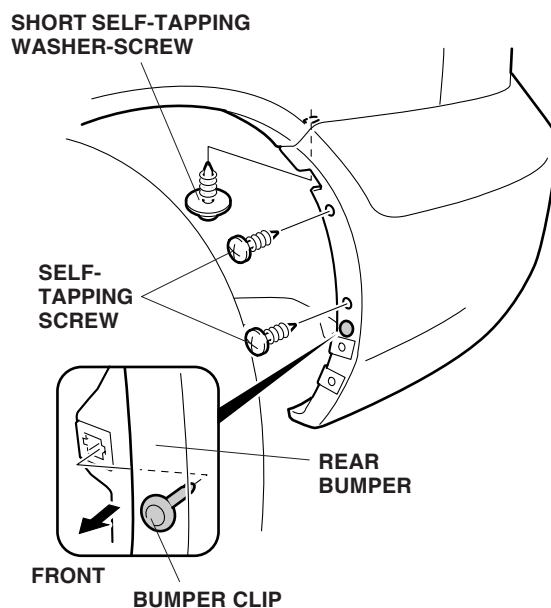


Installing the Sensors in the Bumper

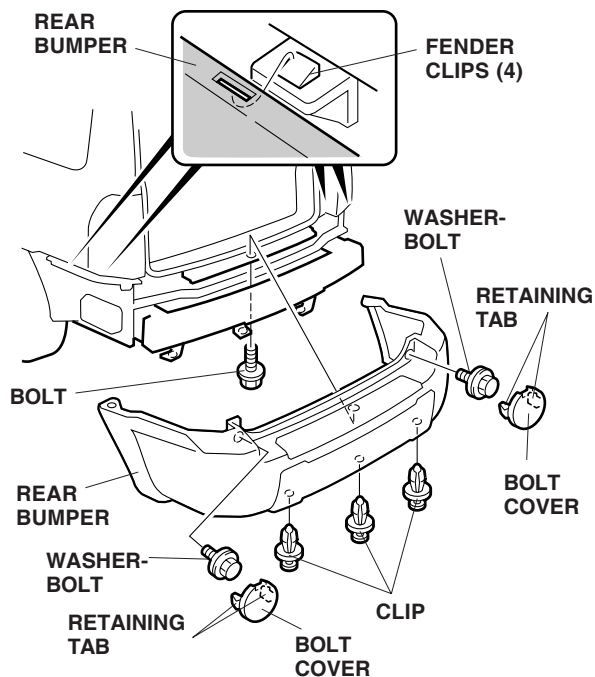
- Remove the three long self-tapping washer-screws that secure the left rear splash guard. Remove the splash guard.



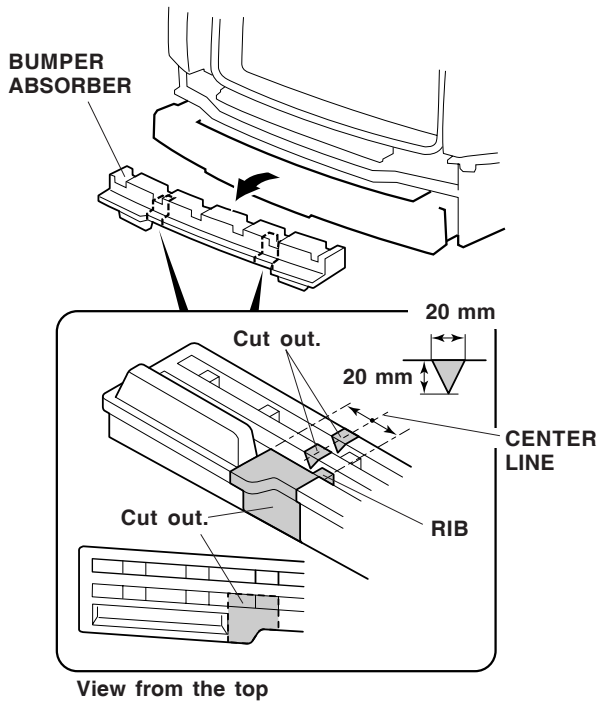
- Remove the one short self-tapping washer-screw and two self-tapping screws that secure the rear bumper, then pull the bumper section of the rear bumper out toward you to remove the bumper clip.



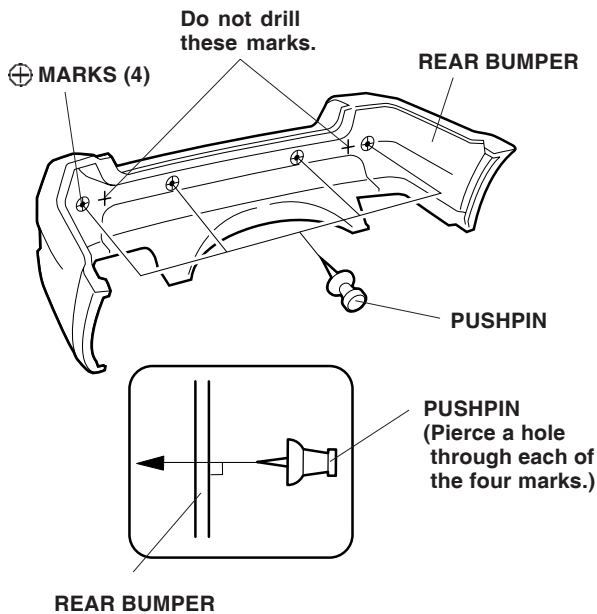
- Repeat steps 6 and 7 on the right side of the vehicle.
- Remove the two bolt covers from the rear bumper, then remove the two washer-bolts, three clips, and one bolt that secure the rear bumper. Remove the four fender clips and remove the rear bumper. Set the rear bumper on a blanket.



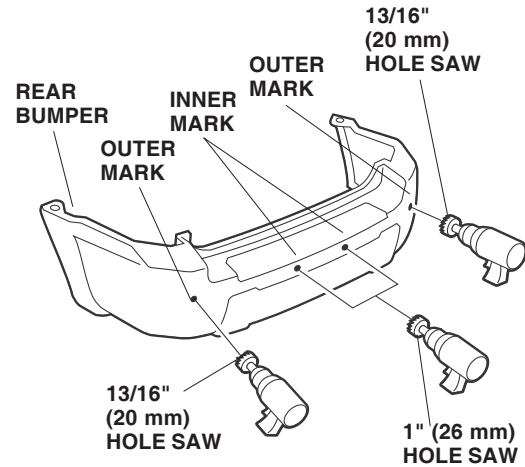
10. Remove the bumper absorber. Using a utility knife, cut out the bottom of the bumper absorber in the areas shown.



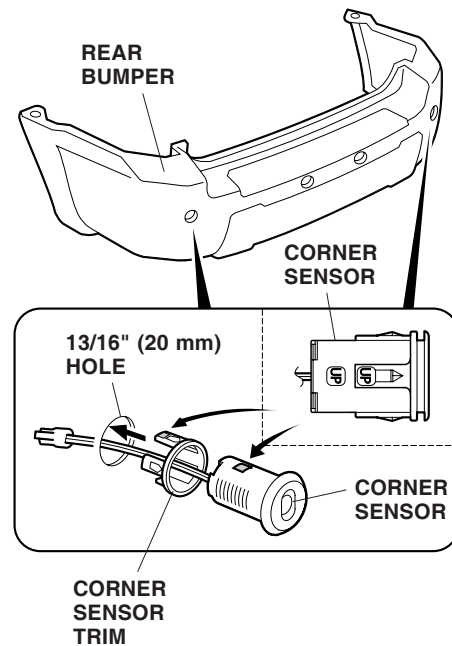
11. On the inside of the rear bumper, locate the four preset marks. Using a pushpin, pierce a hole through each of the four marks.



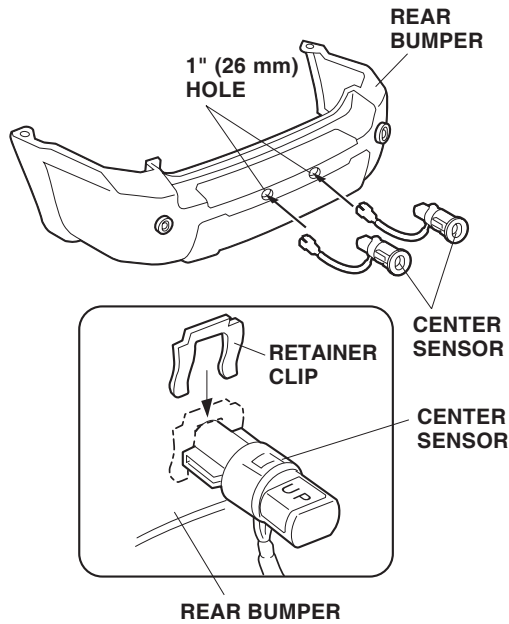
12. While wearing eye protection, drill a 13/16" (20 mm) hole through each of the two outer marks, and a 1" (26 mm) hole through each of the inner marks. Remove any burrs from the edges of the holes.



13. Separate the corner sensors from the corner sensor trims. Install the corner sensor trims first, then install the corner sensors through the 13/16" (20 mm) holes.

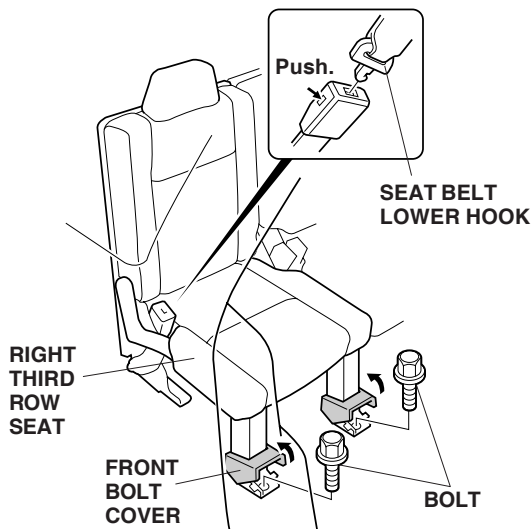


14. Install the two center sensors into the 1" (26 mm) holes. Secure the center sensors with one retainer clip for each sensor.



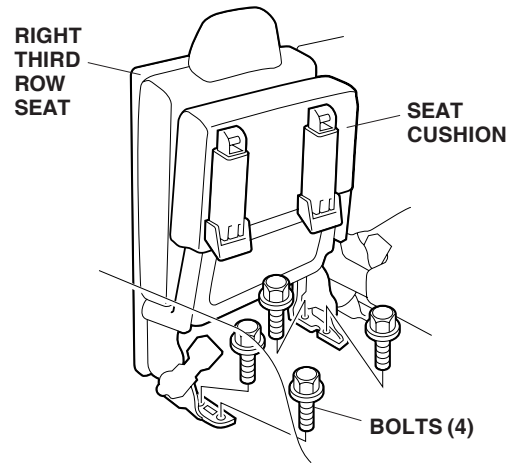
Routing the Backup Sensor Harness

15. Inside the vehicle, slide the right second row seat forward. Using a small flat-tip screwdriver or the ignition key, release the seat belt lower hook from the right third row seat.

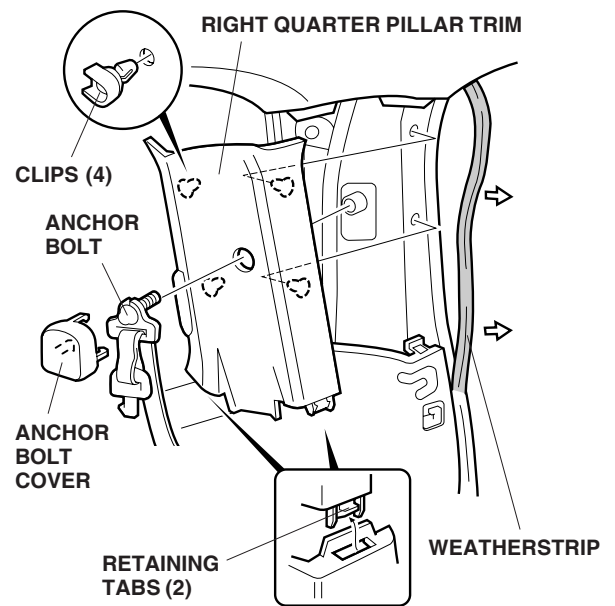


16. Raise the front bolt covers from the right third row seat, and remove the two bolts concealed under the covers.

17. Raise the right third row seat cushion, and remove the four bolts that fasten the rear right row third seat to the floor. Remove the right third row seat.

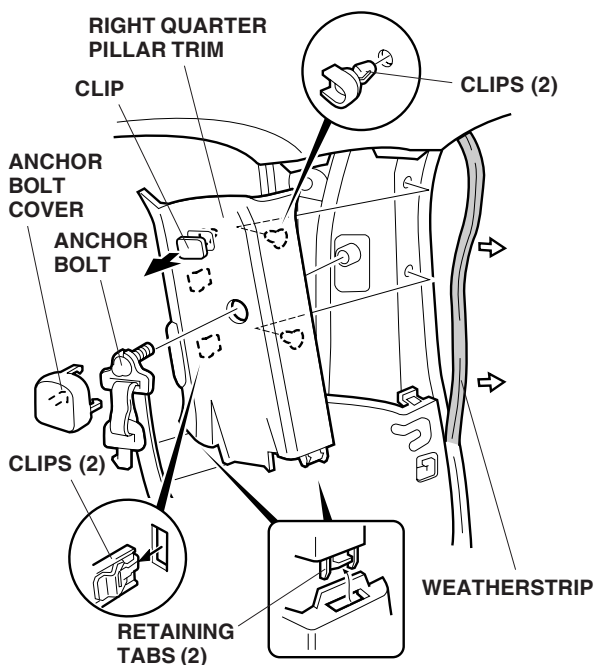


18. Remove the tailgate weatherstrip in the area shown. On the right quarter pillar trim, remove the anchor bolt cover from the seat belt anchor, and remove the bolt that secures the seat belt anchor.

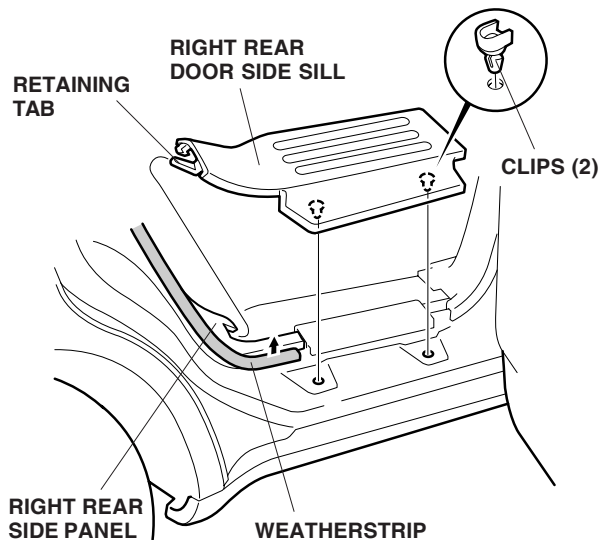


19. Remove the right quarter pillar trim (four clips and two retaining tabs).

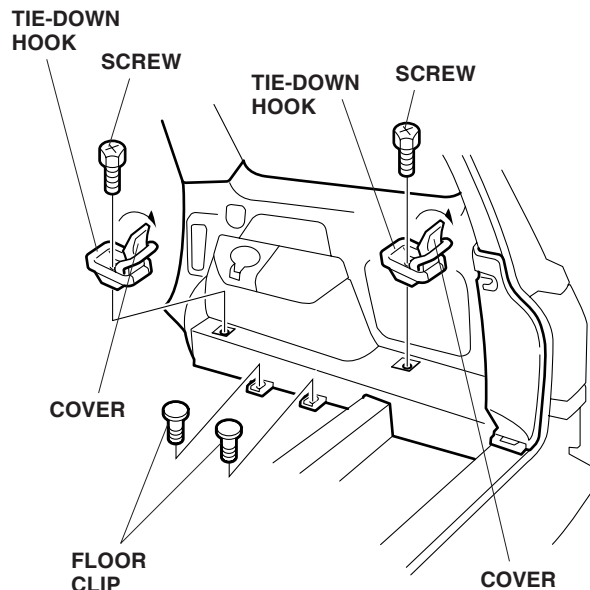
If the vehicle is equipped with a side curtain airbag, pull the clip at the top of the right quarter pillar trim out toward you and remove the pillar trim.



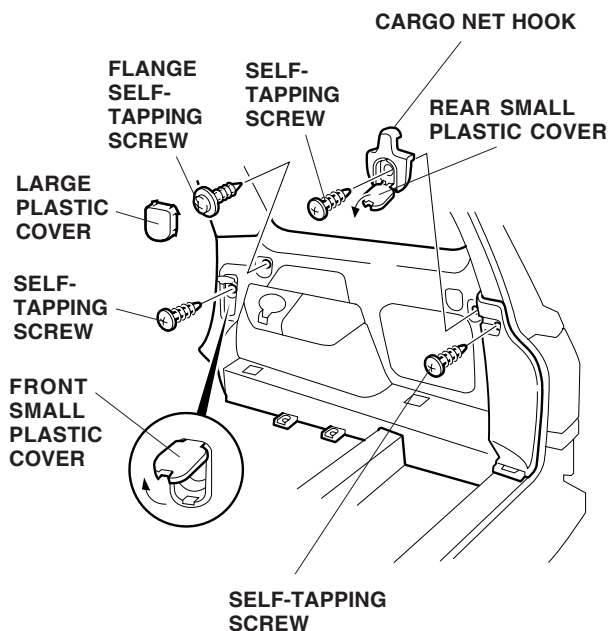
20. Remove the right rear door side sill (two clips and retaining tab). Remove the door weatherstrip around the right rear door side sill.



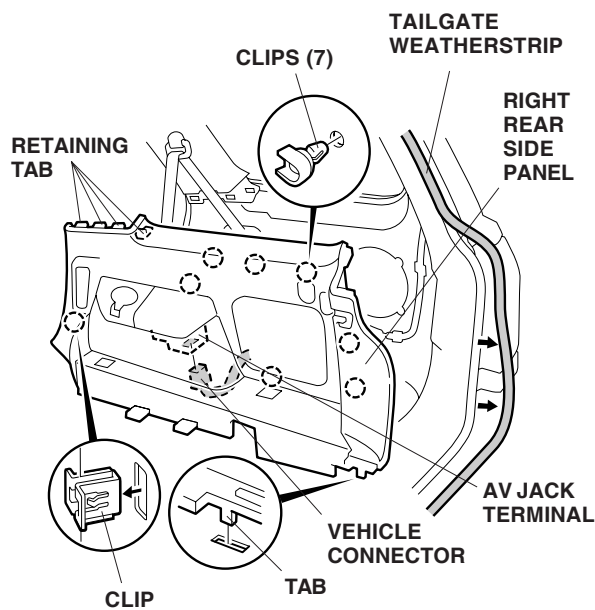
21. Pry up on the two covers, and remove the two screws concealed under the covers. Remove the two tie-down hooks. Remove the two floor clips.



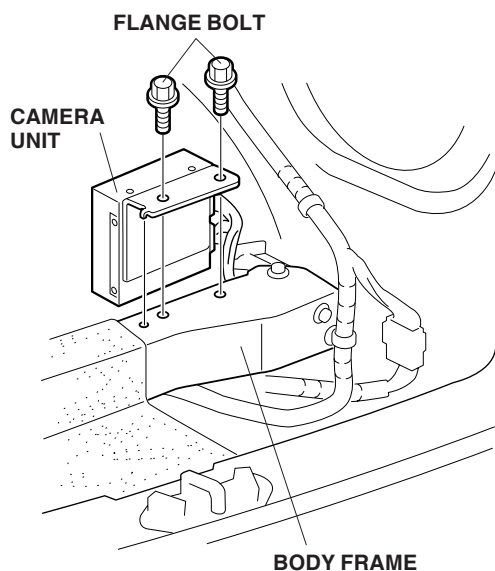
22. Remove the large plastic cover, and remove the flange self-tapping screw concealed under the cover. Pry out the front small plastic cover, and remove the self-tapping screw. Pry out the rear small plastic cover, and remove the cargo net hook (one self-tapping screw). Remove the self-tapping screw.



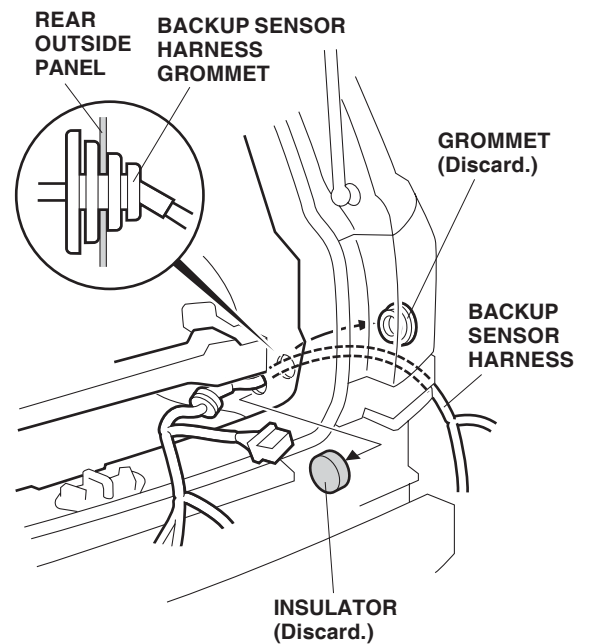
23. Remove the tailgate weatherstrip in the area shown. Remove the eight clips, unplug the vehicle connector from the AV jack terminal, and remove the right rear side panel.



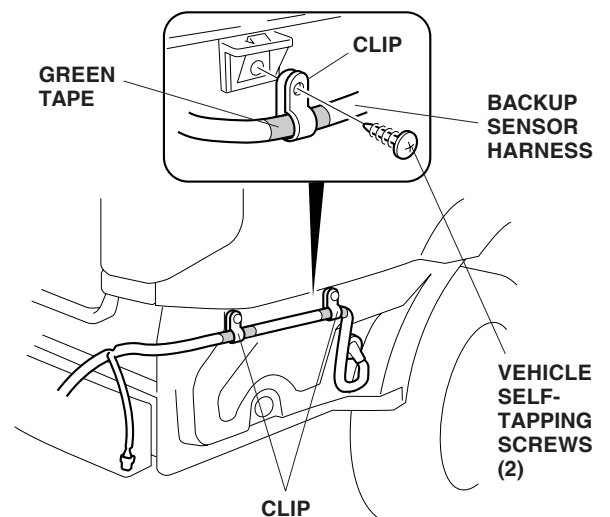
24. If the vehicle is equipped with a navigation system, remove the camera unit (two flange bolts).



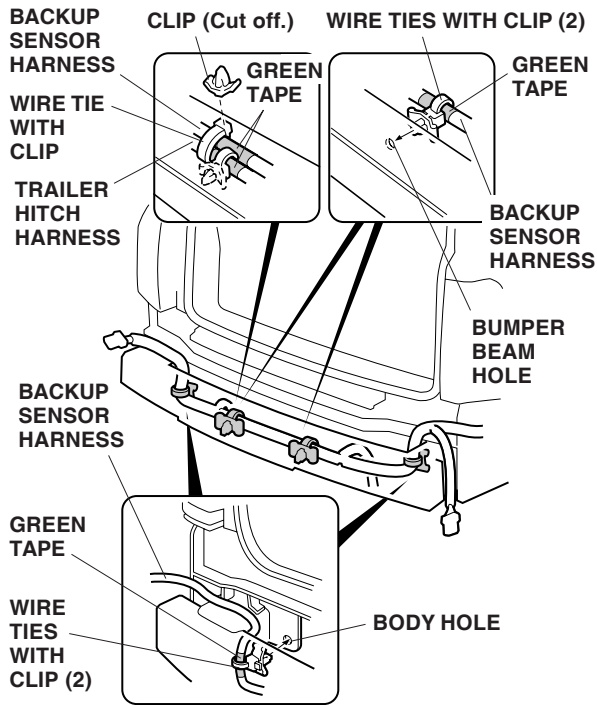
25. Remove and discard the insulator from the rear inside panel. On the outside of the vehicle, remove and discard the front grommet from the rear panel under the fender.



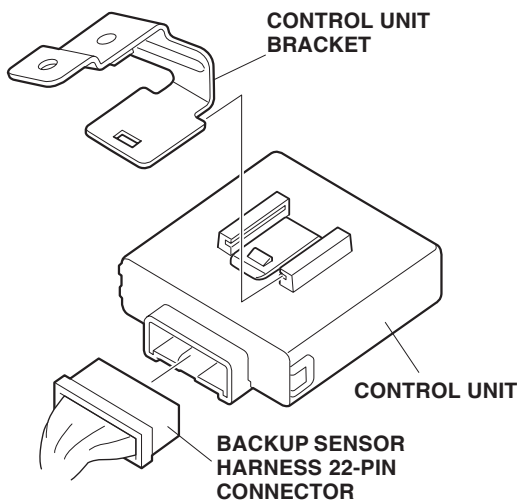
26. Route the four backup sensor harness 2-pin connectors out through the grommet hole. Seat the backup sensor harness grommet in the grommet hole of the rear **outside** panel. Rotate the grommet so the wires face down. Make sure the grommet is fully seated on the second step.
27. Attach the two clips to the backup sensor harness at the green tape. Remove the two self-tapping screws from the vehicle, and secure the clips with these self-tapping screws.



28. Attach four wire ties with clip to the backup sensor harness where the green tape is located, then push the clips into the holes in the bumper beam and body frame. If a trailer hitch is installed, cut the clip off the wire tie with clip, align the green tapes on the trailer hitch and backup sensor harnesses, and then secure the harnesses with the wire tie.

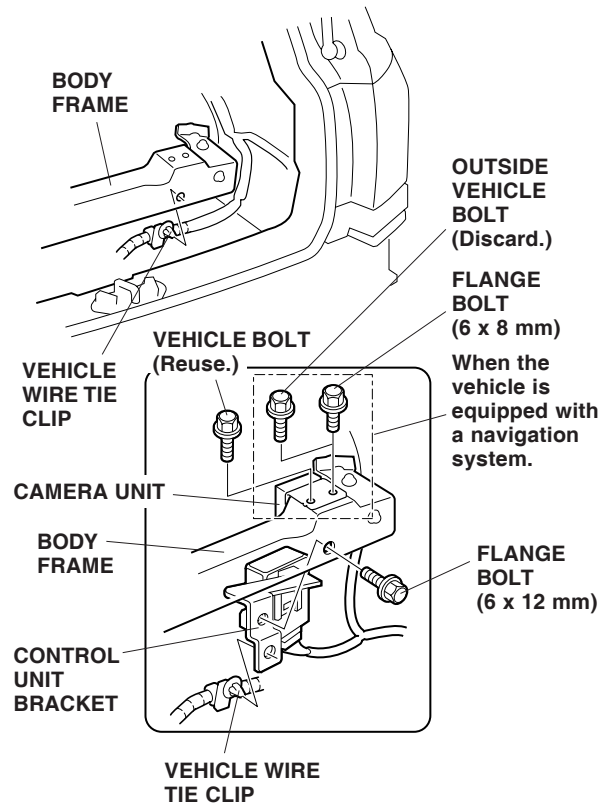


29. Slide the control unit bracket onto the control unit.



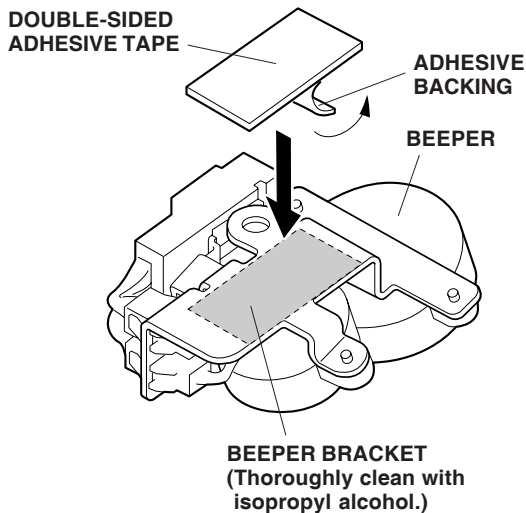
30. Plug the backup sensor harness 22-pin connector into the control unit.

31. Release the vehicle wire tie clip from the body frame, and position the control unit bracket on the body frame. Attach the control unit to the body frame using the 6 x 12 mm flange bolt supplied. On the navigation system equipped vehicles, replace the outer bolt that secures the camera unit with the 6 x 8 mm flange bolt provided, and reinstall the camera unit.

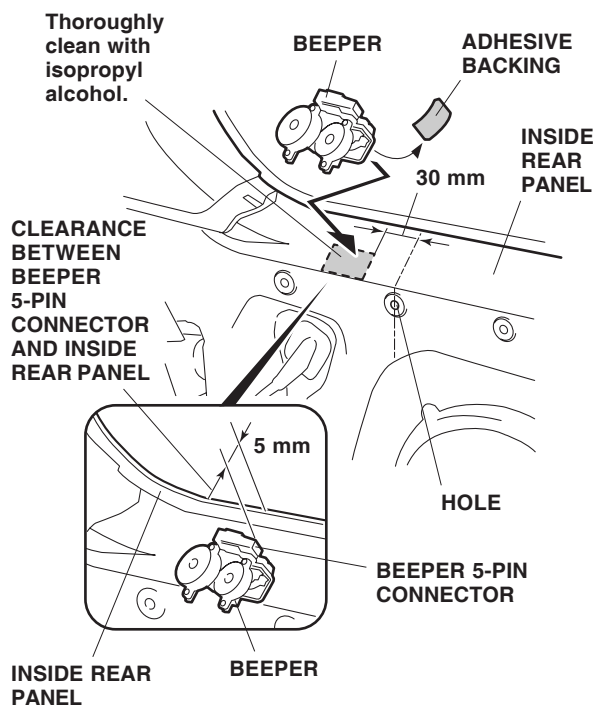


32. Attach the vehicle wire tie clip into the hole in the control unit bracket.

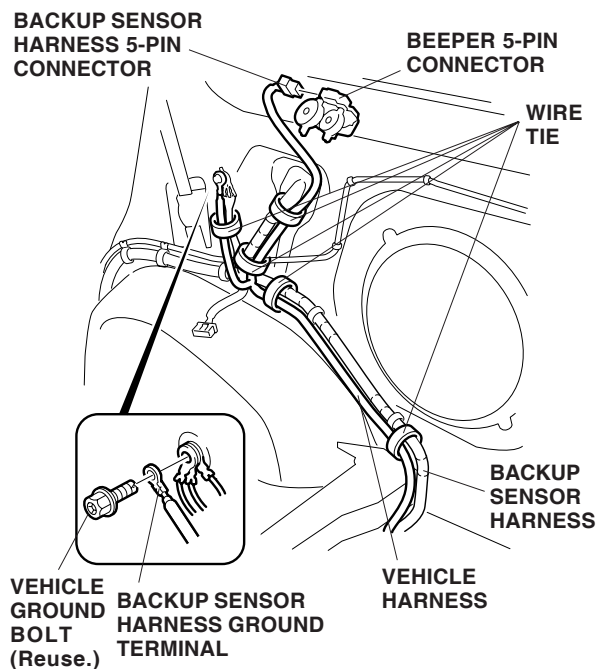
33. Using isopropyl alcohol on a shop towel, clean the beeper bracket where the double-sided adhesive tape will attach. Remove one adhesive backing from the double-sided adhesive tape and attach the tape to the beeper bracket.



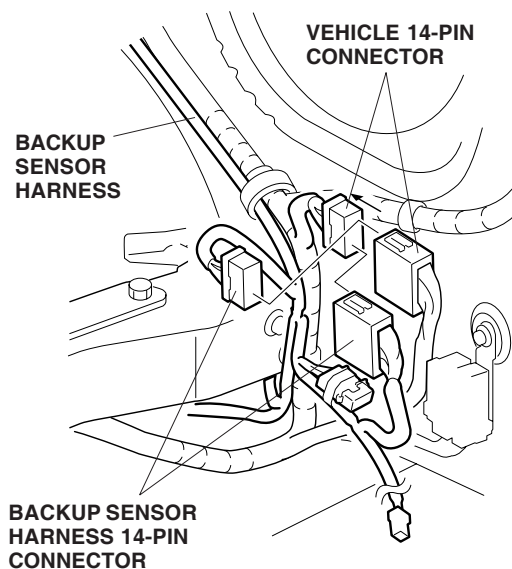
34. Using isopropyl alcohol on a shop towel, clean the inside rear panel where the beeper will attach. Remove the adhesive backing from the double-sided tape on the beeper, and attach the beeper to the inside rear panel. You must have 5 mm of clearance between the 5-pin connector and the inside rear panel. Hold the beeper in place for 30 seconds.



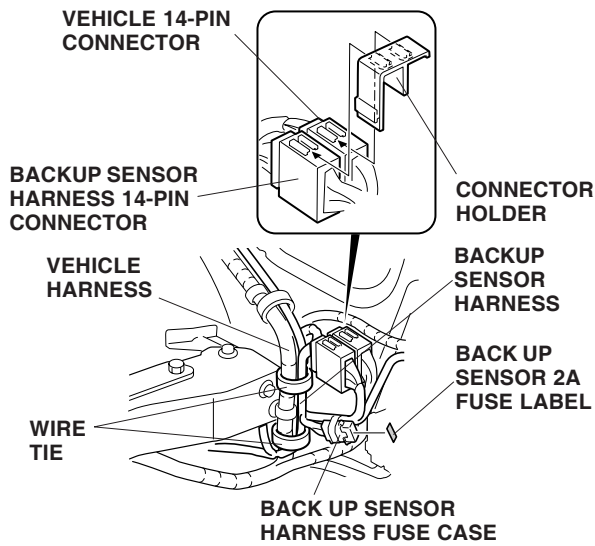
35. Plug the backup sensor harness 5-pin connector into the beeper 5-pin connector.



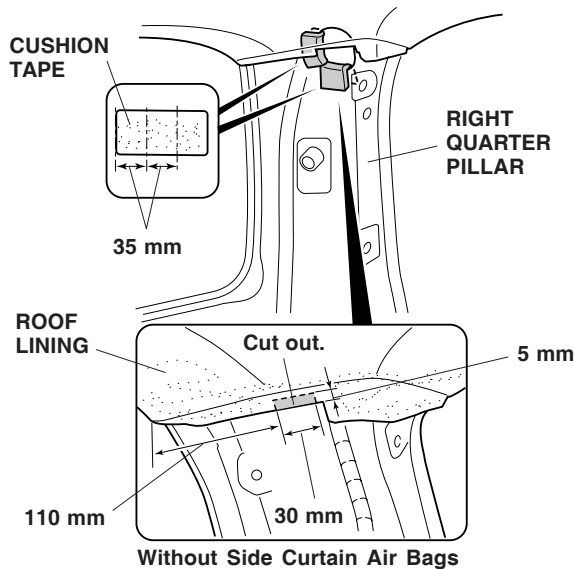
36. Remove the vehicle ground bolt from the inside rear panel, and secure the backup sensor harness ground terminal with this ground bolt.
37. Secure the backup sensor harness to the vehicle harness with five wire ties in the areas shown.
38. Unplug the vehicle 14-pin connectors and plug the backup sensor harness 14-pin connectors in between.



39. Secure the backup sensor harness 14-pin connector to the vehicle 14-pin connector with the connector holder.

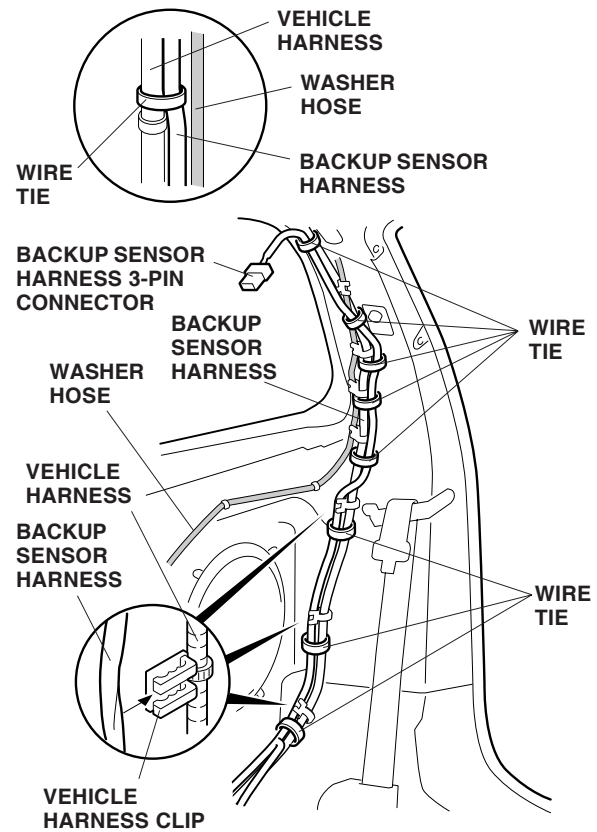


40. Secure the backup sensor harness to the vehicle harness with two wire ties in the areas shown.
41. Attach the BACKUP SENSOR 2A fuse label to the fuse case on the backup sensor harness.
42. If the vehicle is not equipped with side curtain airbags, use a utility knife to cut out a small piece of the roof liner, just enough to expose the upper hole in the right quarter pillar.



43. Using isopropyl alcohol on a shop towel, clean the area around the upper hole, then attach the cushion tape to the edge of the upper hole as shown.

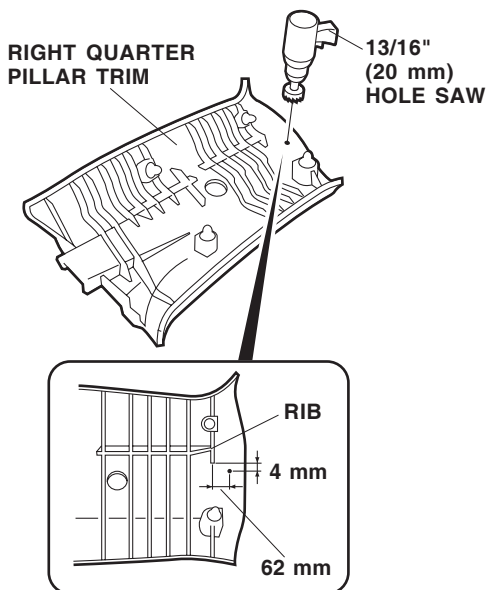
44. Attach the backup sensor harness to the vehicle harness clips.



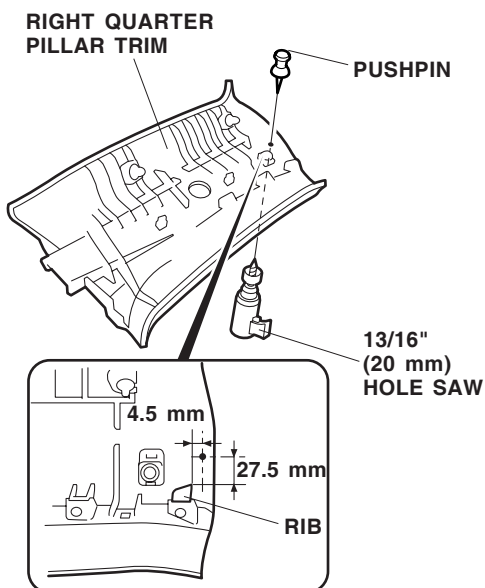
45. Route the backup sensor harness 3-pin connector up along the vehicle harness on the right quarter pillar. Secure the backup sensor harness to the vehicle harness with eight wire ties in the areas shown. Do not attach the wire ties to the washer hose.
46. Reinstall the right rear side panel. Check that all clips and retaining tabs are installed securely.

- Using a tape measure and a felt-tip pen, measure and mark the right quarter pillar trim as shown. While wearing eye protection, drill a 13/16" (20 mm) hole through the mark you just made. Remove any burrs.

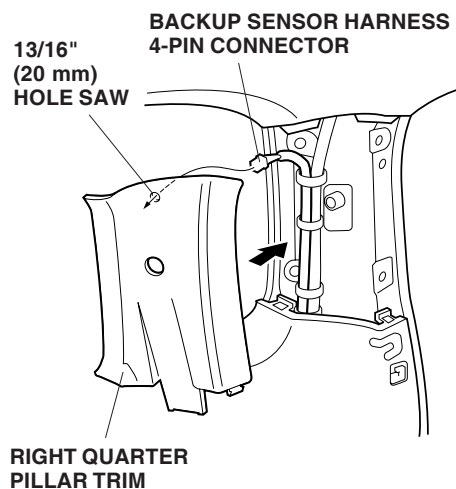
Without Side Curtain Air Bag



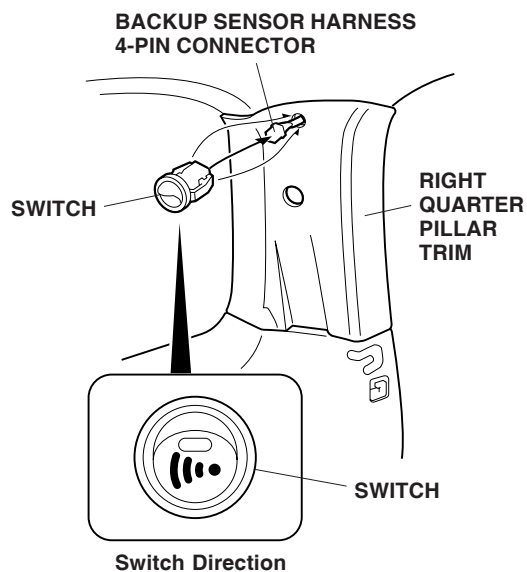
With Side Curtain Air Bag



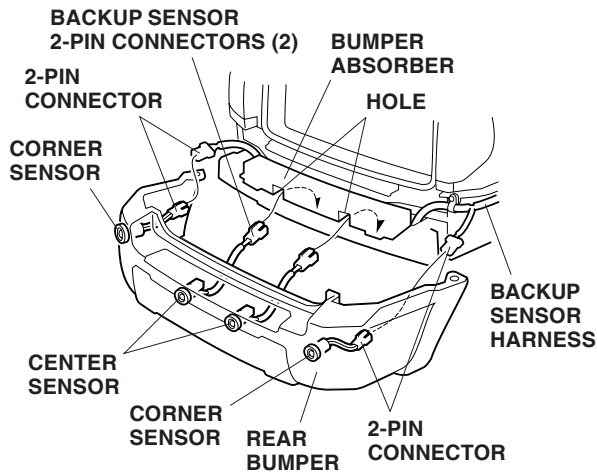
- Pull the backup sensor harness 4-pin connector out through the 13/16" (20 mm) hole, then reinstall the right quarter pillar trim. Check that all clips and retaining tabs are installed securely.



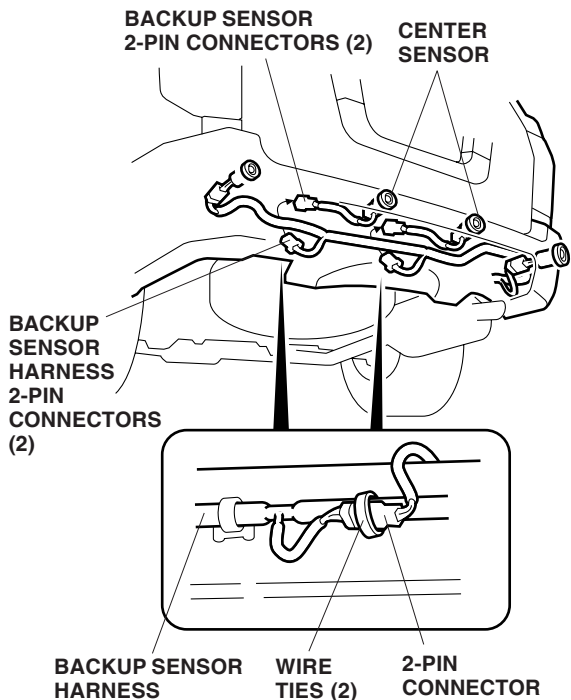
- Plug the backup sensor harness 4-pin connector into the switch, then install the switch into the hole in the right quarter pillar trim in the direction shown.



- Reinstall the bumper absorber. While holding the rear bumper close to the vehicle, route the 2-pin connectors from the backup sensors through the holes in the bumper absorber.



- Connect the two outer backup sensor harness 2-pin connectors to the 2-pin connectors from the corner sensors. Reinstall the rear bumper. Check that all clips and retaining tabs are installed securely.
- Connect the two inner backup sensor harness 2-pin connectors to the inner center sensors 2-pin connectors, then secure the 2-pin connectors to the backup sensor harness with two wire ties.



- Check that all wire harnesses and cables are routed properly and that all connectors are plugged in.
- Reinstall the third row seat. Torque the third row seat bolts to 41 to 53 N·m (30 to 39 lb-ft).
- Reinstall all removed parts.
- Reconnect the negative cable to the battery.
- Enter the customer's radio anti-theft code, and reset the radio station presets.
- Reset the clock.
- Check that the backup sensors work properly as described in the Owner's Manual supplied with the backup sensor kit.

NOTE: Whenever the battery is disconnected, the driver's window AUTO function is disabled.
- Start the engine. Push down on the driver's window switch until the window is fully open.
- Pull up on the driver's window switch to close the window completely, then hold the switch for 2 seconds.
- Lower and raise the window to check operation of the driver's window AUTO function.