- (M) ALUIRA -			Application	Publications No.	
INSTALLATION INSTRUCTIONS	BACKUP SENSOR	2005 TL		BII 28146 Issue Date SEP 2004	
PARTS LIST				$\square$	
Backup Sensor Attachment Kit ( P/N 08V67-SEP-200G	sold separately)	7 Small wi	ire ties	C	
Backup sensor harness		6 Cushion	tapes		
a da d		Backup Sensor (sold separately)			
Control unit bracket ( Washer-screw Wire tie with small clip		Control un	it		
		2 Corner s	ensors	03	
Fuse seal		2 Center s	ensors	R	
EPT sealer		Buzzer			
7 Wire ties		2 Retainer	clips		
Wire tie with large clip		Owner's M	lanual		
2 Harness clips					
Washer-nut					

# TOOL AND SUPPLIES REQUIRED

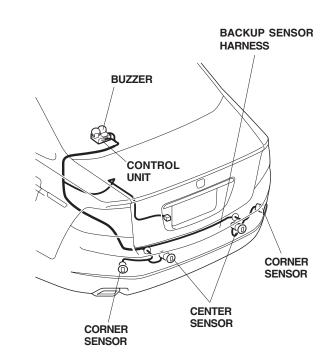
#2 Phillips screwdriver Small flat-tip screwdriver Felt-tip pen 10 mm Combination wrench 10 mm and 14 mm Sockets Pushpin Ratchet 3 mm and 6 mm Drill bits Eye protection (face shield, safety goggles, etc.) File **Diagonal cutters** Electrical tape Tape measure Cardboard Isopropyl alcohol Shop towel Drill Utility knife Scissors Center-punch

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)
Hole saw 1" (26 mm)
Arbor

P/N: LHS26D	
P/N: LHS32D	
P/N: LHS1C	

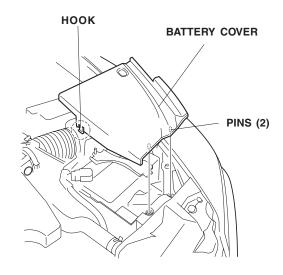
# Illustration of the Backup Sensor Installed on the Vehicle



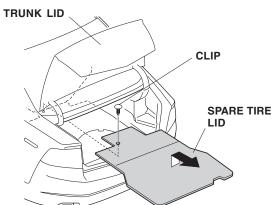
# INSTALLATION

**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. Remove the battery cover, and disconnect the negative cable from the battery.



3. Open the trunk lid, and remove the spare tire lid (one clip).



4. Remove the weatherstrip, and remove the trunk rear trim panel (four clips and three retaining tabs).

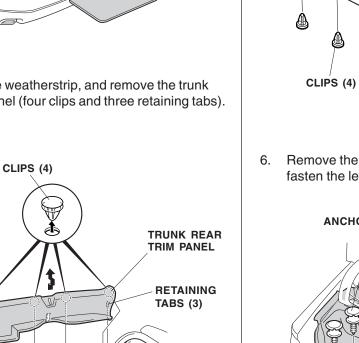
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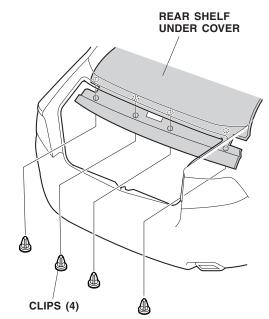
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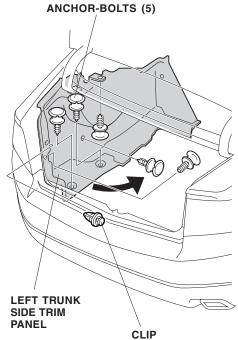
WEATHERSTRIP



5. Remove the four clips that fasten the rear shelf under cover.

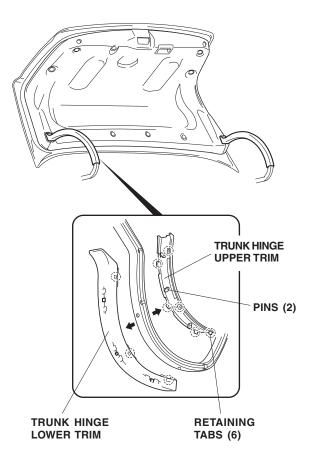


Remove the one clip and five anchor-bolts that fasten the left-side trunk trim panel.

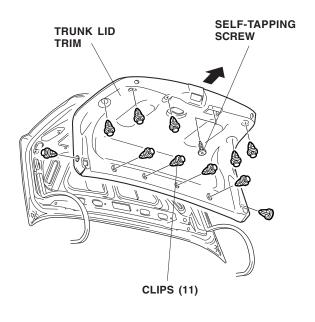


7. Fold the left side trunk trim panel out of the way.

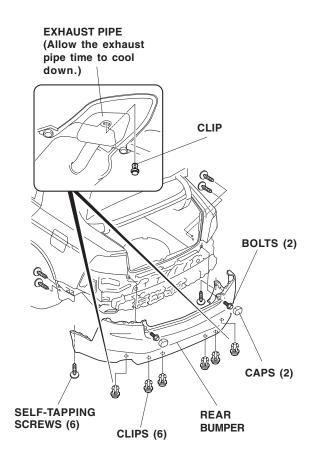
8. Remove the trunk hinge upper and lower trims (six retaining tabs and two pins).



9. Remove the trunk lid trim (eleven clips and one self-tapping screw).



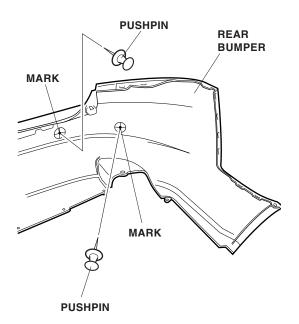
10. Allow the exhaust pipe to cool down before you remove the rear bumper. If equipped with splash guards, first remove the splash guards.



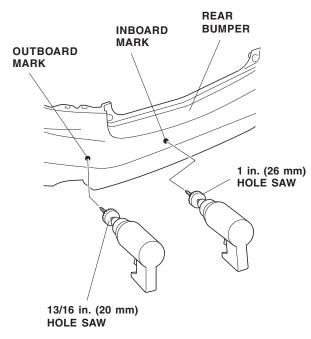
11. Remove the rear bumper (two caps, two bolts, six clips and six self-tapping screws).

#### Installing the Sensor

12. On the inside of the rear bumper, locate the sensor identification marks on the left side. Using a pushpin, mark the rear bumper at each of the two marks.

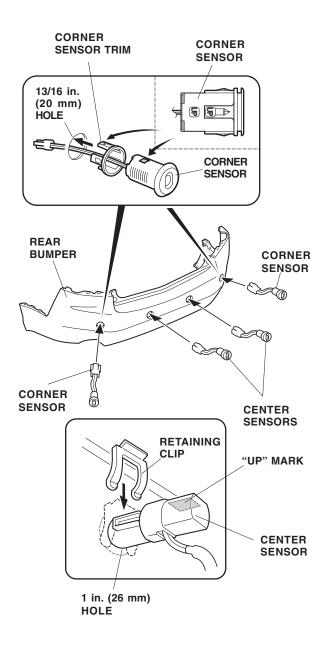


13. While wearing eye protection, drill one 13/16 in.(20 mm) hole at the outboard mark, and one 1 in.(26 mm) hole at the inboard mark on the rear bumper. Remove any burrs from the edges of the holes.



14. Repeat steps 12 and 13 to mark and drill the right side of the rear bumper.

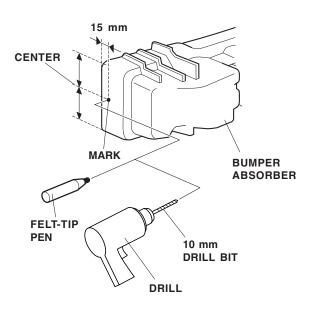
15. Separate the corner sensors from the corner sensor trim pieces. Install the corner sensor trim pieces into the 13/16 in. (20 mm) holes with the "UP" mark facing up, then install the corner sensors through the corner sensor trim pieces with the "UP" mark on the sensor facing up.



16. Slide the two center sensors into the 1 in. (26 mm) holes with the "UP" mark facing up. Secure the center sensors with one retainer clip for each sensor.

# **Cutting the Bumper Absorber**

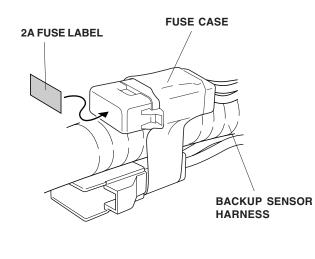
 Measure and mark the bumper absorber in the area shown. While wearing eye protection, drill a 10 mm hole through the mark you made on the absorber.



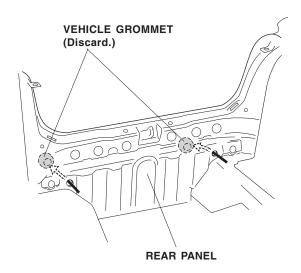
18. Repeat step 17 to drill the right side of the bumper absorber.

# **Routing the Backup Sensor Harness**

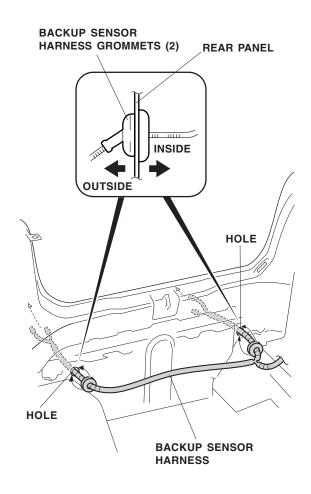
19. Attach the 2A fuse label to the fuse case on the backup sensor harness.



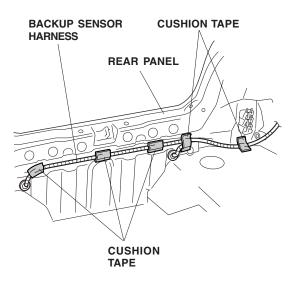
20. Inside trunk area, remove and discard the two vehicle grommets from the rear panel.



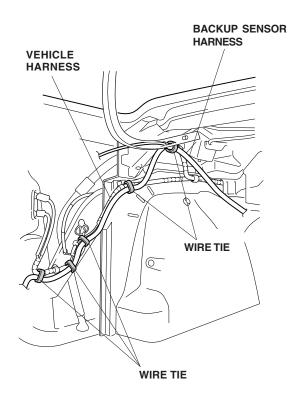
21. Route the backup sensor harness through the holes in the vehicle panel, and seat the backup sensor harness grommets into each hole.



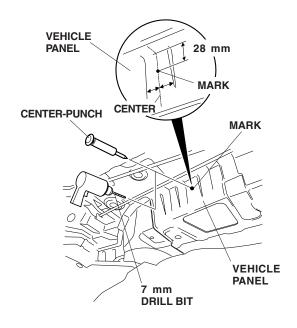
22. Using isopropyl alcohol on a shop towel, thoroughly clean the rear panel where the cushion tapes will attach. Secure the backup sensor harness to the rear panel with five cushion tapes.



23. Route the backup sensor harness along the vehicle harness, and loosely attach it to the vehicle harness with five wire ties.

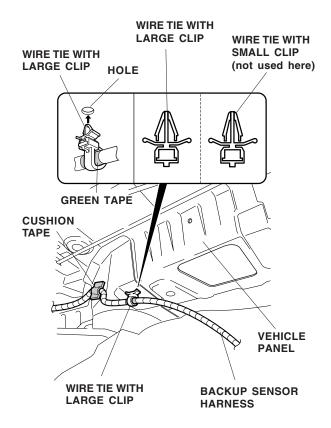


24. Pull down the rear shelf under cover. Using a felttip pen, mark the vehicle panel in the location shown.



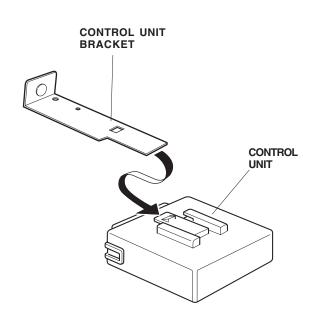
25. Lightly center-punch the mark. While wearing eye protection, drill one 7 mm hole through the mark on the vehicle panel. Start with a 3 mm drill bit and finish with a 7 mm drill bit. Remove any burrs from the edges of the holes, and apply touch-up paint. Allow the the touch-up paint time to dry before proceeding.

26. Route the backup sensor harness to the vehicle panel, and secure it to the hole in the vehicle panel with one wire tie with large clip as shown.

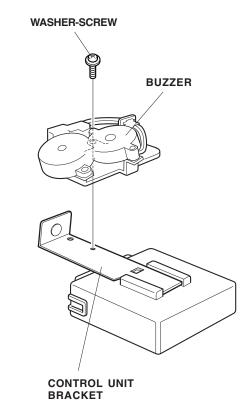


- 27. Using isopropyl alcohol on a shop towel, thoroughly clean the vehicle panel where the cushion tape will attach. Secure the backup sensor harness to the vehicle panel with one cushion tape.
- 28. Tighten the five wire ties you attached in step 23.

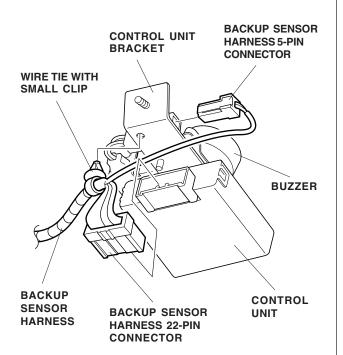
29. Slide the control unit bracket onto the control unit.



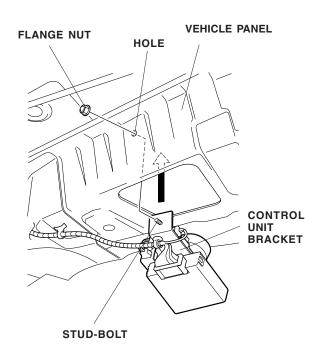
30. Install the buzzer on the control unit bracket with one washer-screw. Tighten the washer-screw securely.



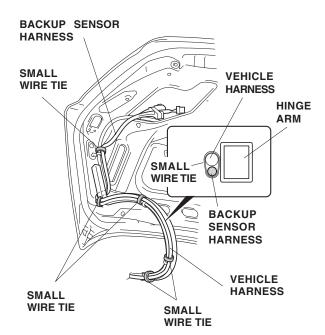
31. Plug the backup sensor harness 5-pin connector into the buzzer, and plug the backup sensor harness 22-pin connector into the control unit.



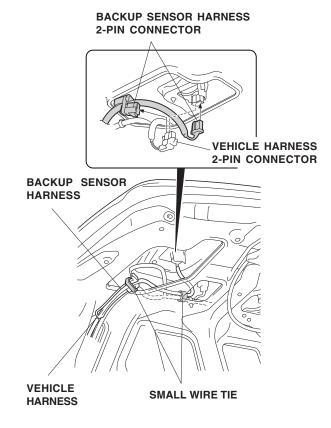
- 32. Wrap the wire tie with small clip around the backup sensor harness, and install the clip into the hole in the control unit bracket.
- 33. Insert the stud-bolt from the control unit bracket into the hole in the vehicle panel you drilled in step 25; attach the unit bracket to the vehicle panel with one flange nut.



34. Route the backup sensor harness along the vehicle harness, and secure it to the vehicle harness with five small wire ties in the areas shown.

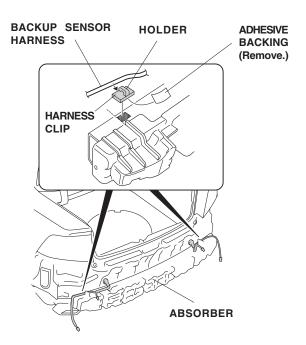


35. Unplug the vehicle harness 2-pin connector, and plug the backup sensor harness 2-pin connectors in between the vehicle harness connectors.

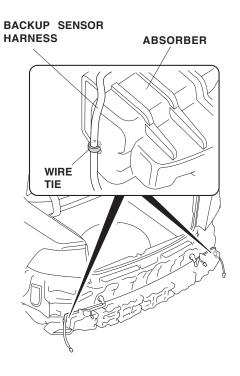


36. Secure the backup sensor harness to the vehicle harness with two small wire ties.

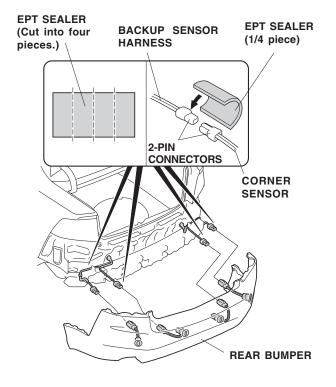
37. On the rear absorber, use isopropyl alcohol on a shop towel to clean the area where the harness clips will attach.



- Install the harness clips onto the absorber, and insert the backup sensor harness into the harness clip holders.
- 39. Secure the backup sensor harness to the absorber with two wire ties.



40. Using scissors, cut the EPT sealer into four equal pieces.



- 41. With an assistant holding the bumper near the vehicle, plug in the four backup sensor harnesses' 2-pin connectors. Wrap one cut piece of EPT sealer around each 2-pin connector. Reinstall the rear bumper.
- 42. Check that all wire harnesses and cables are routed properly and that all connectors are plugged in.
- 43. Reinstall all removed parts.
- 44. Reconnect the negative cable to the battery.
- 45. Enter the customer's radio anti-theft code, and reset the radio station presets.
- 46. Reset the clock.
- 47. 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 AUTO function is disabled.

- 48. Start the engine. Push down on the driver's window switch until the window is fully open.
- 49. Pull up on the driver's window switch to close the window completely, then hold the switch for 2 seconds or more.
- 50. Test the driver's window AUTO function.