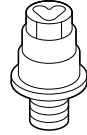


PARTS LIST

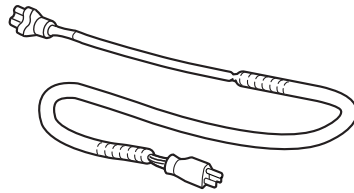
Engine block heater



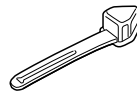
Aluminum washer



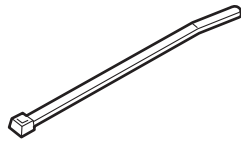
Heater harness



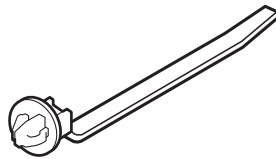
Protective cap



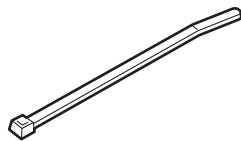
15 Black wire ties



5 Wire ties with clip



5 White wire ties



Coolant concentration label

**TOOLS AND SUPPLIES REQUIRED**

Phillips screwdriver

Flat-tip screwdriver

Ratchet

10 mm, 12 mm, 14 mm, and 24 mm Sockets

Torque wrench

Diagonal cutters

Heavy gloves

Drain pan

Tape measure

White marker

Coolant (Honda All Season Antifreeze/Coolant Type 2)

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

Blanket

Drill

3 mm and 5 mm Drill bits

13 mm and 26 mm Hole saws

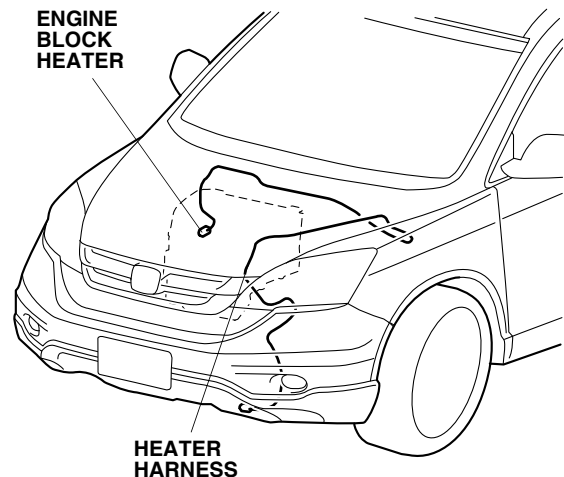
10 mm Hex wrench

Pushpin

Fender cover

Plastic Trim Tool (T/N SILTRMTL10)

Masking tape

Illustration of the Engine Block Heater on the Vehicle

INSTALLATION

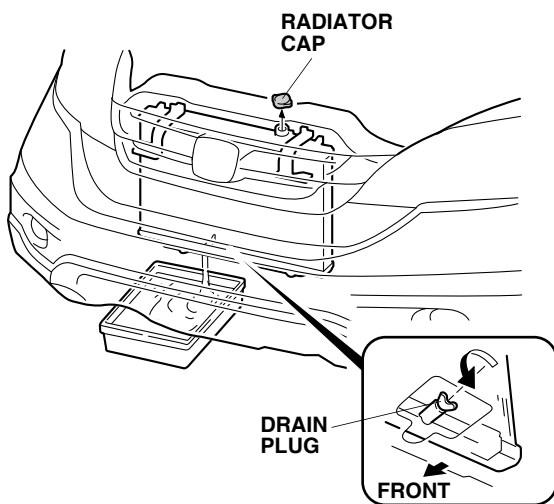
NOTE:

- Always use Honda All Season Antifreeze/Coolant Type 2. Using a non-Honda coolant can result in corrosion, causing the cooling system to malfunction or fail.
- To avoid burning out the element, do not operate the engine block heater until you install it in the vehicle and add the coolant.
- Follow steps 53 through 54 and increase the concentration rate of coolant to 60 ±2%.

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.”

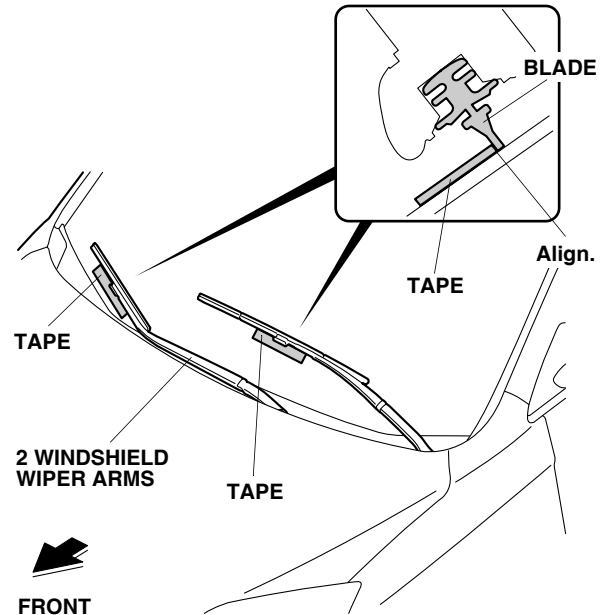
1. Make sure you have the anti-theft code for the audio, radio and navigation system (if equipped), then write down the audio station preset.
2. Open the hood, disconnect the negative cable from the battery.
3. Allow the engine and all cooling system components to cool down.
4. Place a clean drain pan under the radiator drain plug, then remove the drain plug from the bottom of the radiator to drain the coolant. Remove the radiator cap to increase the flow.

NOTICE: Radiator coolant will damage the body paint. Quickly rinse any spilled coolant from body paint finish.

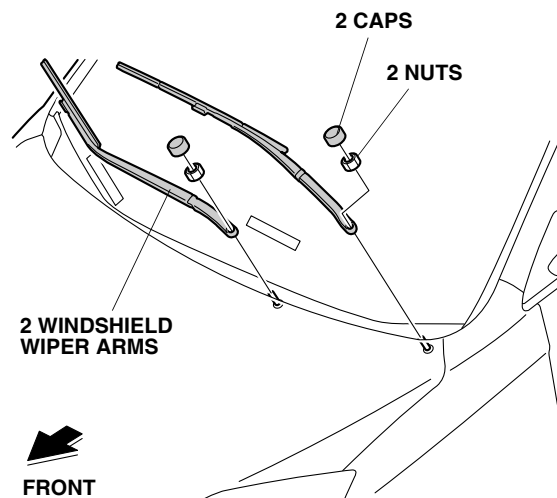


5. After the coolant drains completely, reinstall the radiator cap to prevent dust and dirt contamination.

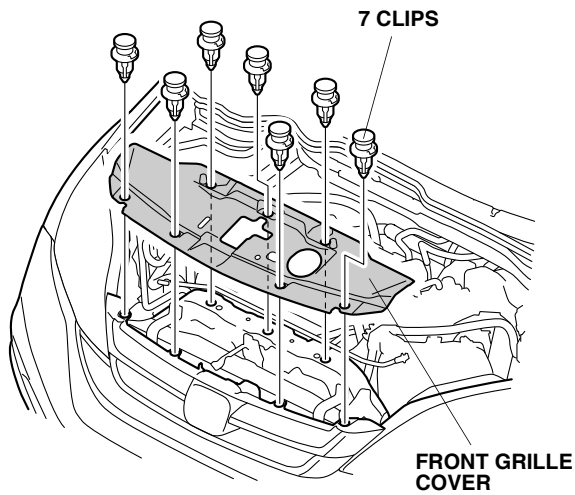
6. On each side, attach pieces of masking tape to the windshield below the blade on the windshield wiper arms to mark the location of the wiper.



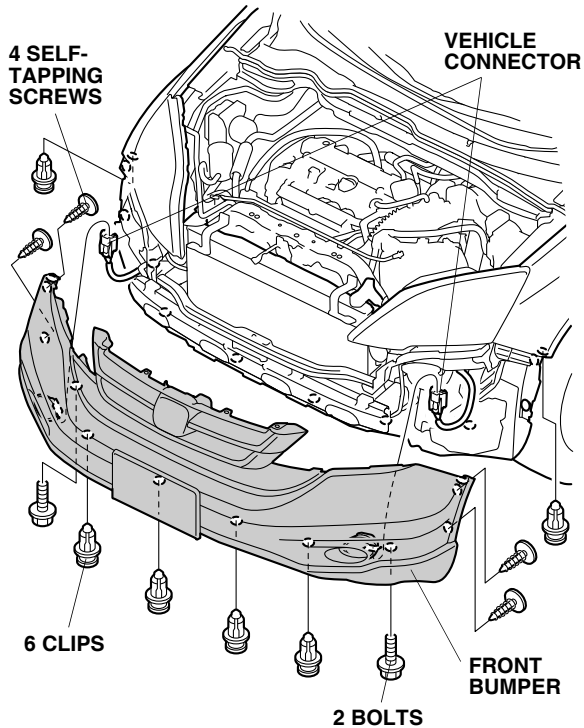
7. Remove the windshield wiper arms (two caps and two nuts). Wiper arm nut torque is 29.4 N·m (21.6 lbf-ft).



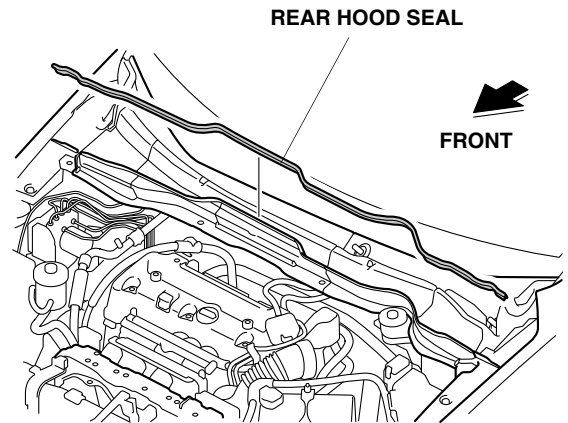
8. Remove the front grille cover (seven clips).



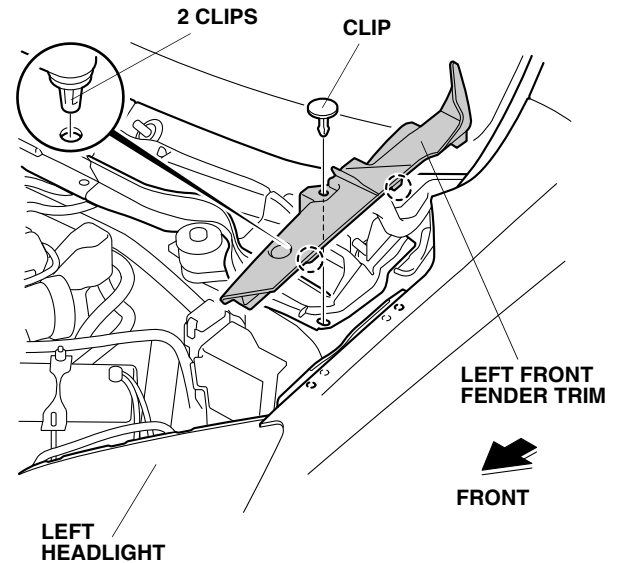
9. Remove the front bumper (four self-tapping screws, six clips, two bolts, and unplug two vehicle connectors). Have an assistant help you when removing and installing the front bumper. Place the front bumper on a blanket.



10. Remove the rear hood seal.

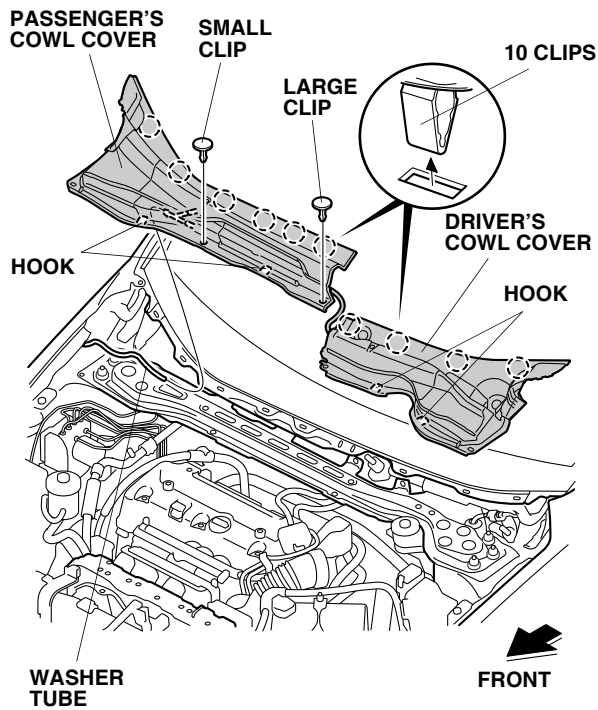


11. Remove the left front fender trim (three clips).

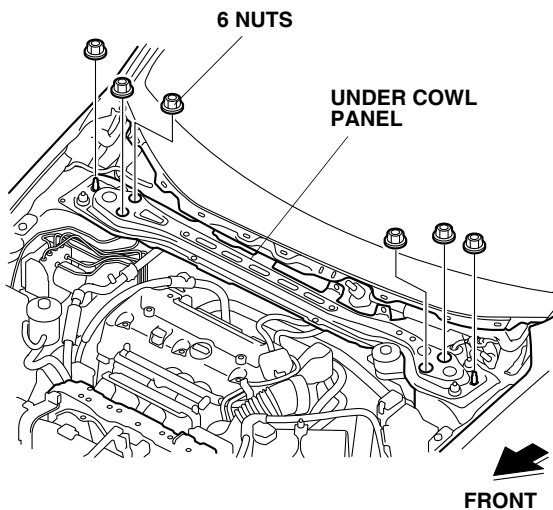


12. Remove the right front fender trim the same way.

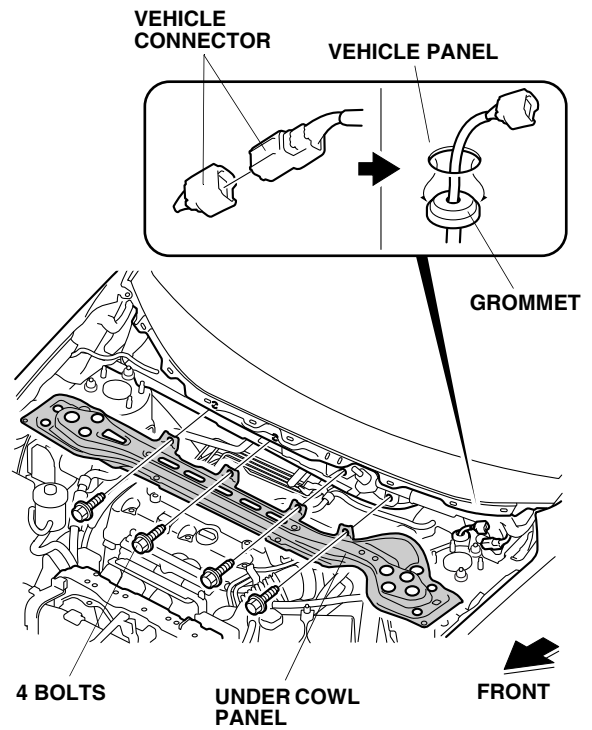
- Remove the passenger's cowl cover (two front clips, six rear clips, two hooks, and unplug the washer tube).



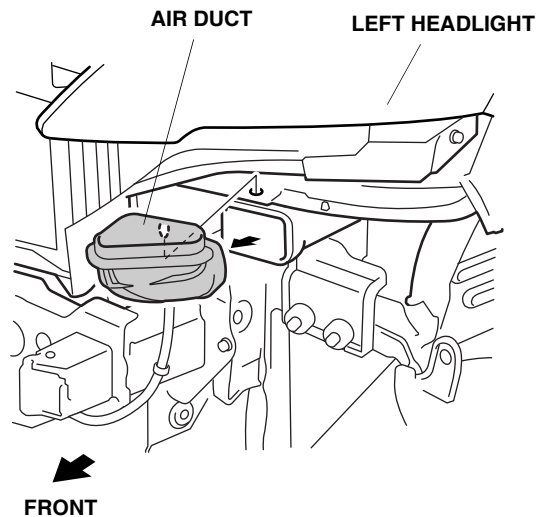
- Remove the driver's cowl cover (four clips and two hooks).
- Remove six nuts from the under cowl panel.



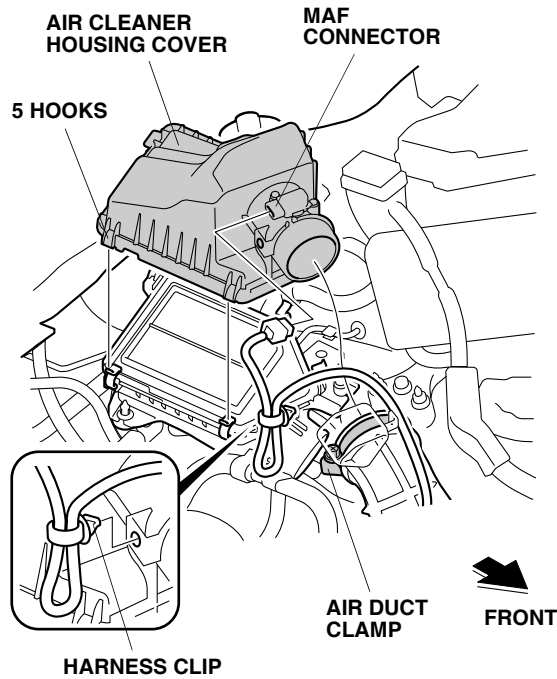
- Remove the grommet, and unplug the vehicle connector.



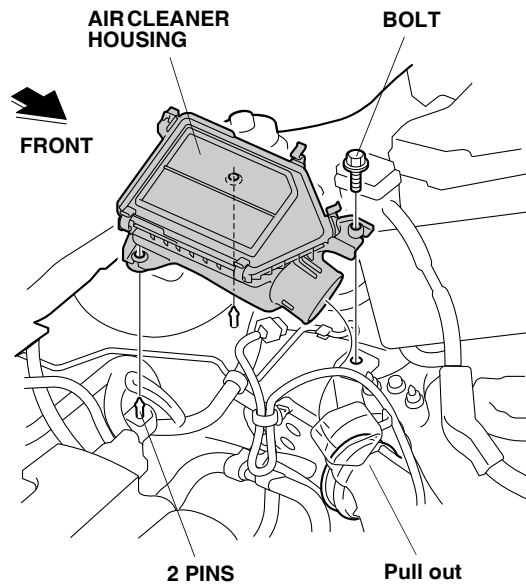
- Remove the under cowl panel (four bolts).
- Remove the air duct under the left headlight.



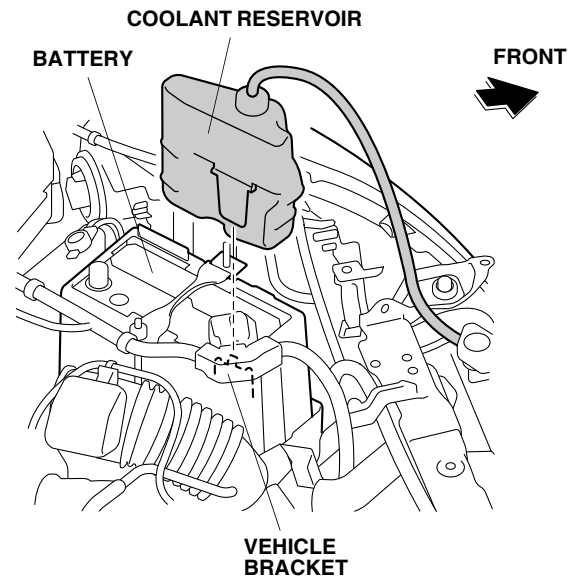
19. Loosen the air duct clamp. Remove the air cleaner housing cover (MAF connector, harness clip, and five hooks).



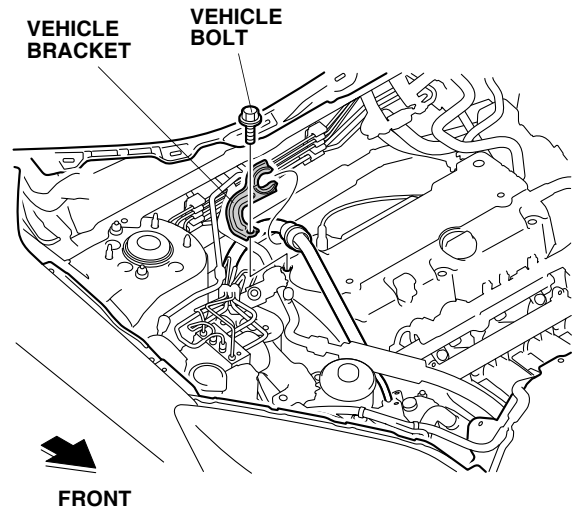
20. Remove the air cleaner housing (one bolt and two pins).



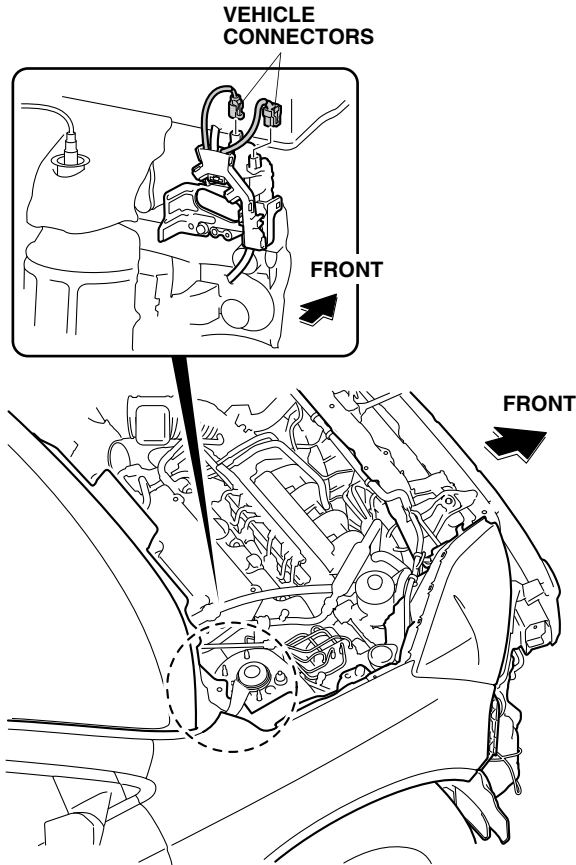
21. Slide the coolant reservoir up, and remove it from the vehicle bracket.



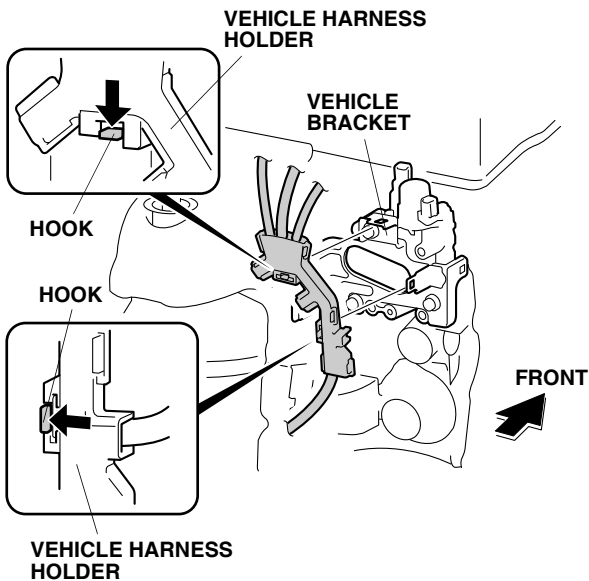
22. Remove the vehicle bracket (one vehicle bolt).



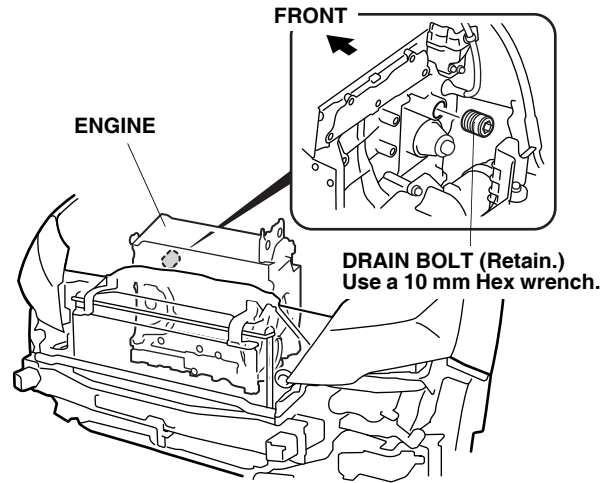
23. Unplug the two vehicle connectors.



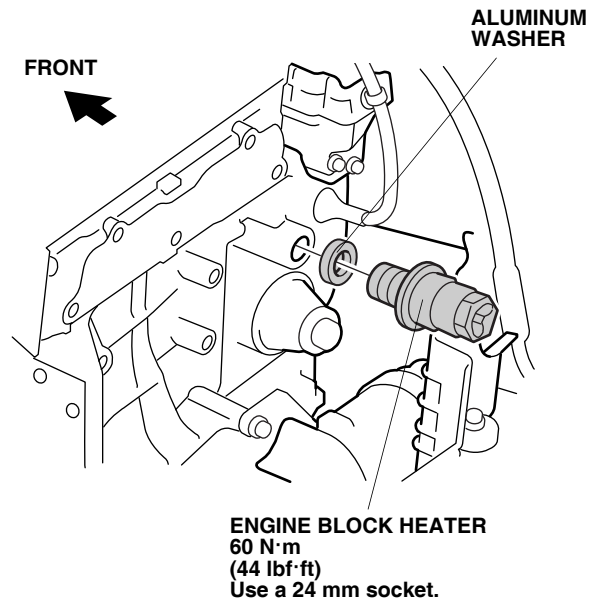
24. Release the vehicle harness holder from the vehicle bracket (two hooks).



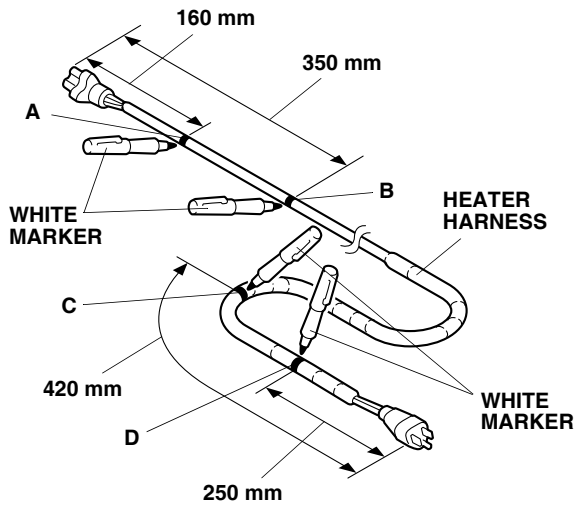
25. Locate and remove the engine block drain bolt. Coolant remaining in the engine jackets flows out of the bolt hole when the bolt is removed. Retain the bolt; it will be used if the block heater is removed.



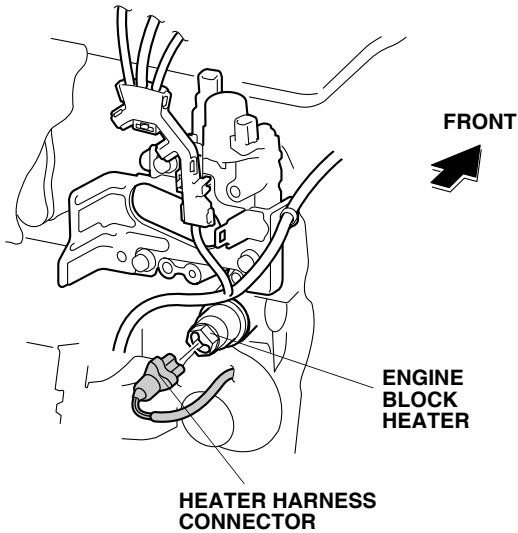
26. Install the engine block heater with aluminum washer into the bolt hole using a 24 mm socket and a torque wrench. Torque the engine block heater to 60 N·m (44 lbf·ft).



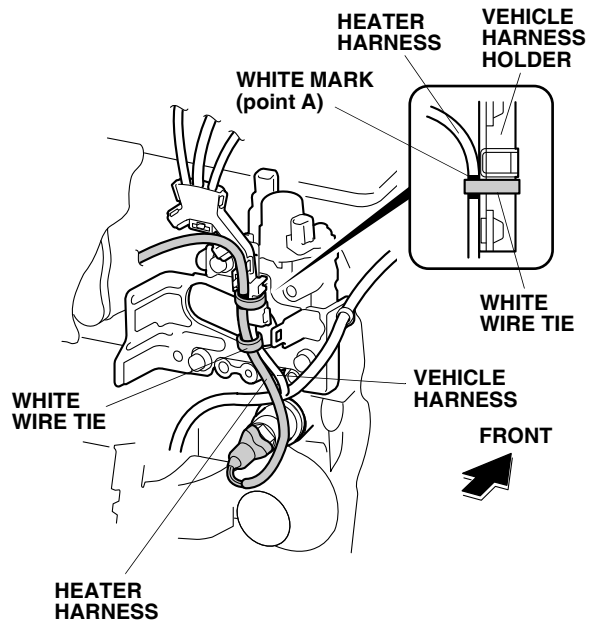
27. Using a tape measure, measure the heater harness and mark it at the A, B, C, and D points shown.



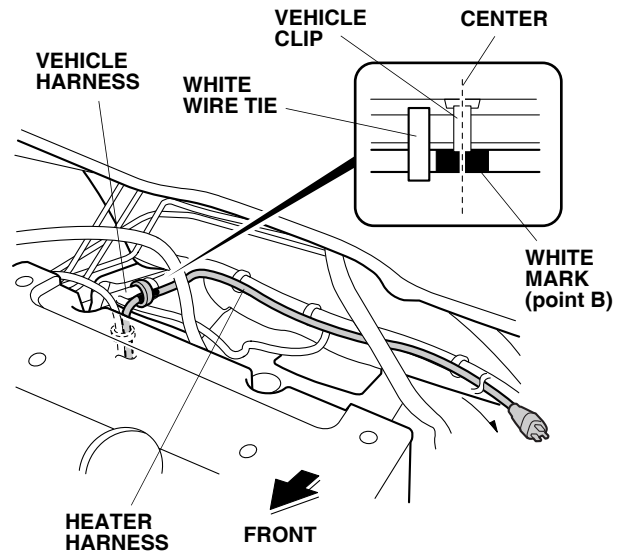
28. Plug the heater harness connector to the engine block heater.



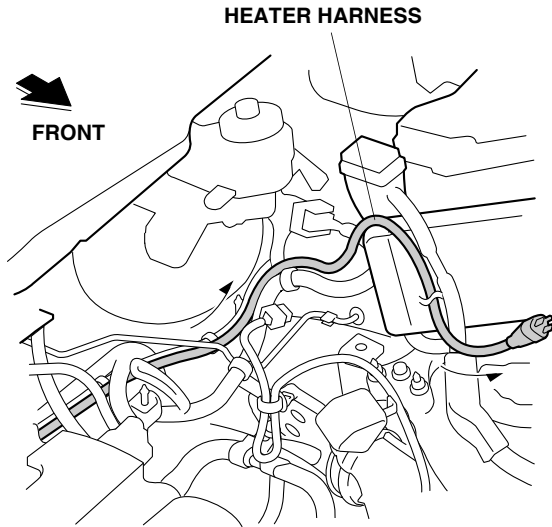
29. Secure the heater harness to the vehicle harness holder with a white wire tie (point A).



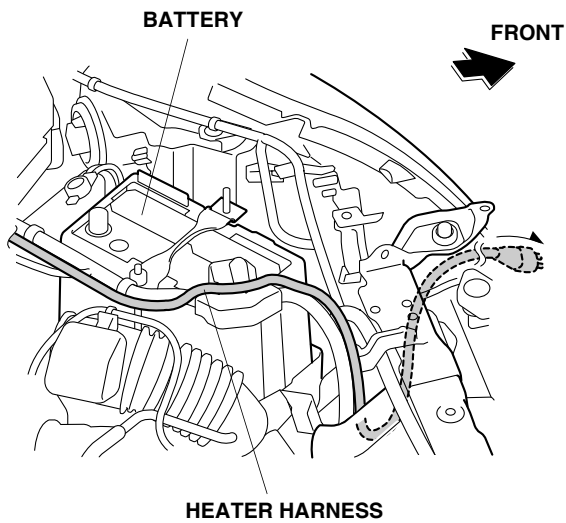
30. Secure the heater harness to the vehicle harness with a white wire tie.
 31. Secure the heater harness to the vehicle harness with a white wire tie (point B).



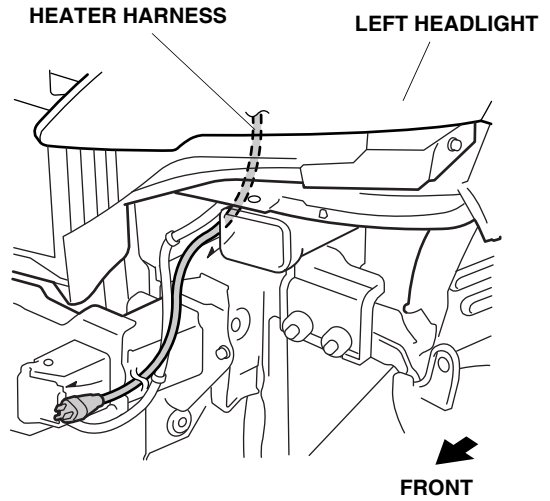
32. Route the heater harness as shown.



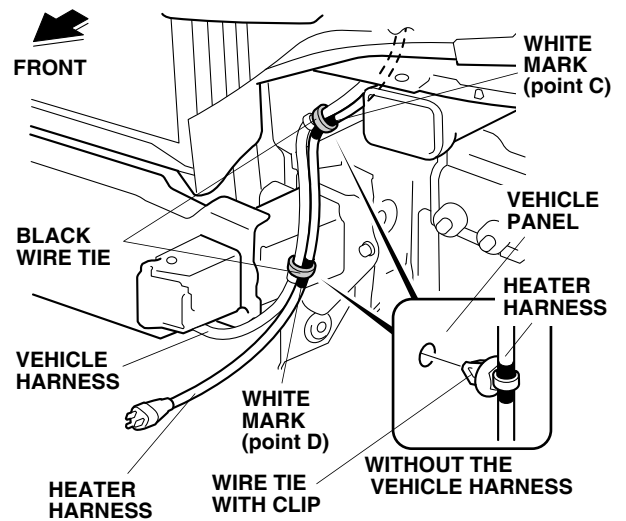
33. Route the heater harness as shown.



34. Route the heater harness as shown.

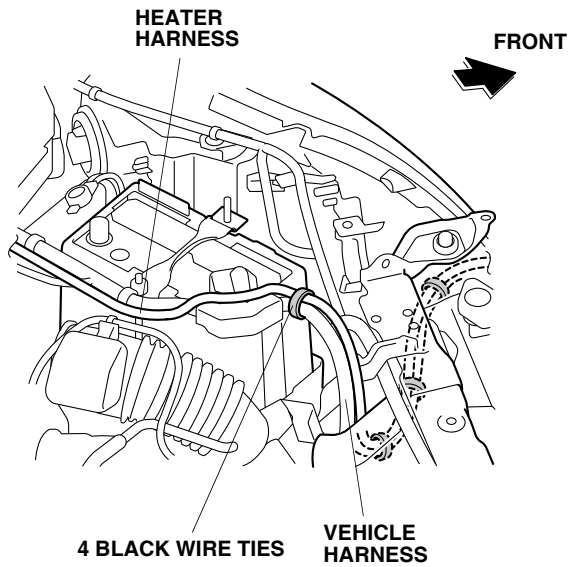


35. Secure the heater harness to the vehicle harness with two black wire ties (point C and point D).

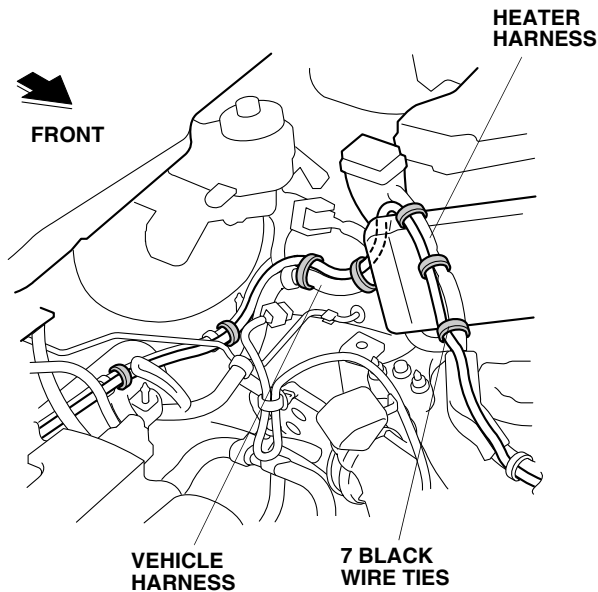


36. If there is no vehicle harness, secure the heater harness to the vehicle panel with two wire ties with clips (point C and point D).

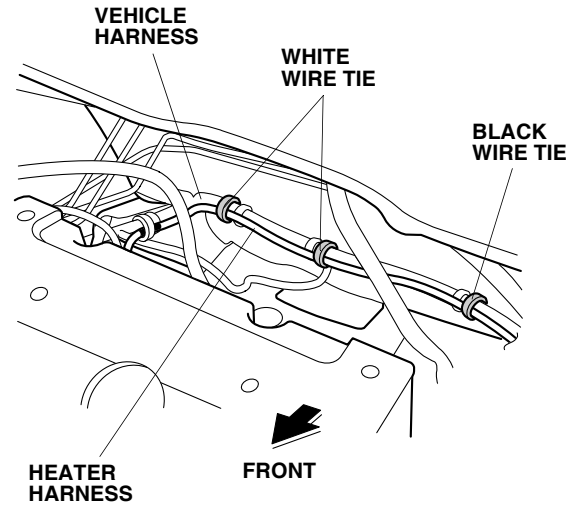
37. Secure the heater harness to the vehicle harness with four black wire ties as shown.



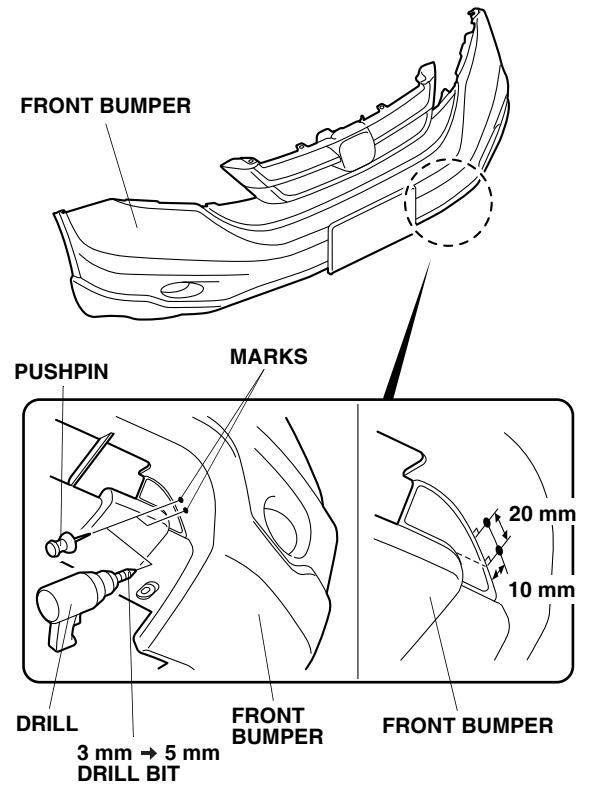
38. Secure the heater harness to the vehicle harness with seven black wire ties as shown.



39. Secure the heater harness to the vehicle harness with two white wire ties and one black wire tie as shown.

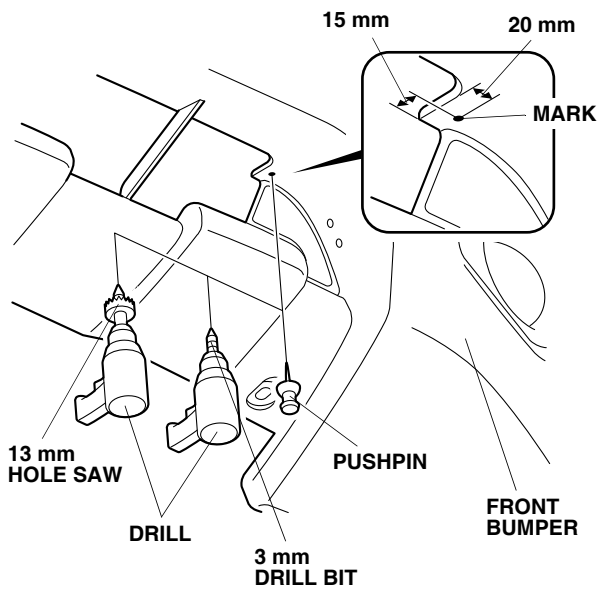


40. Using a pushpin, pierce two marks on the front bumper as shown.



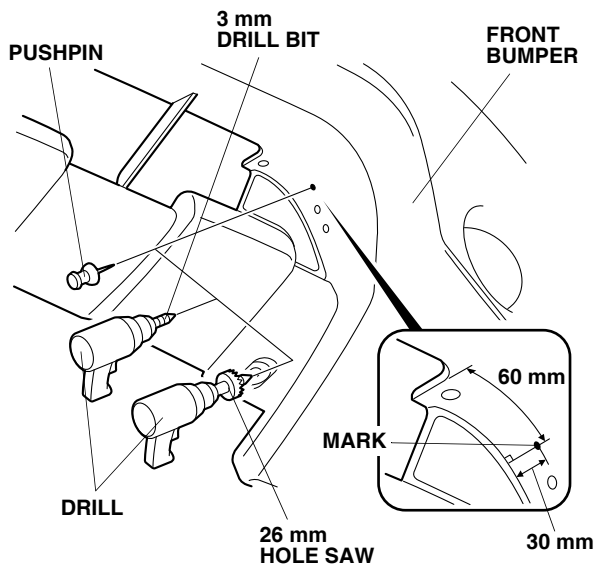
41. While wearing eye protection, drill the two pierced marks with a 3 mm drill bit and then enlarge the holes with a 5 mm drill bit.

42. Using a pushpin, pierce one mark on the front bumper as shown.



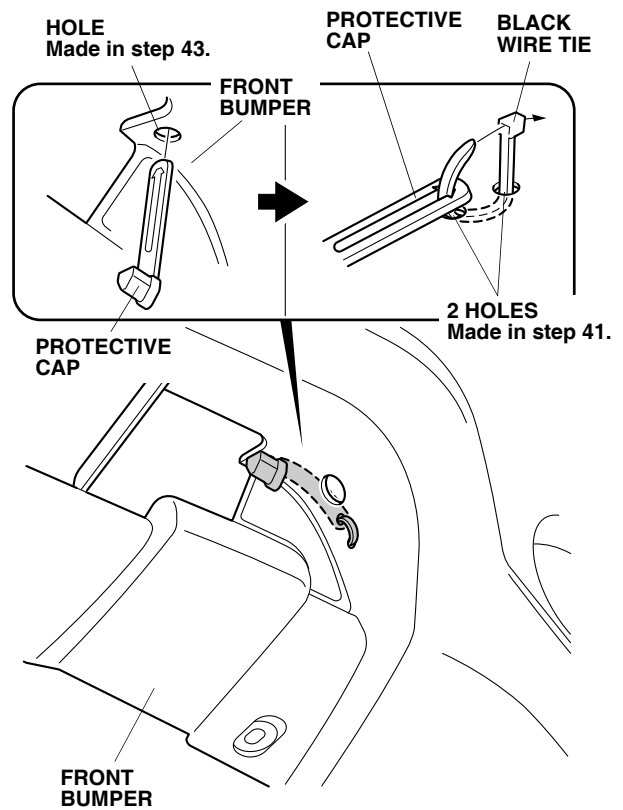
43. While wearing eye protection, drill the mark made in step 42 with a 3 mm drill bit, and then enlarge the hole with a 13 mm hole saw.

44. Using a pushpin, pierce one mark on the front bumper as shown.



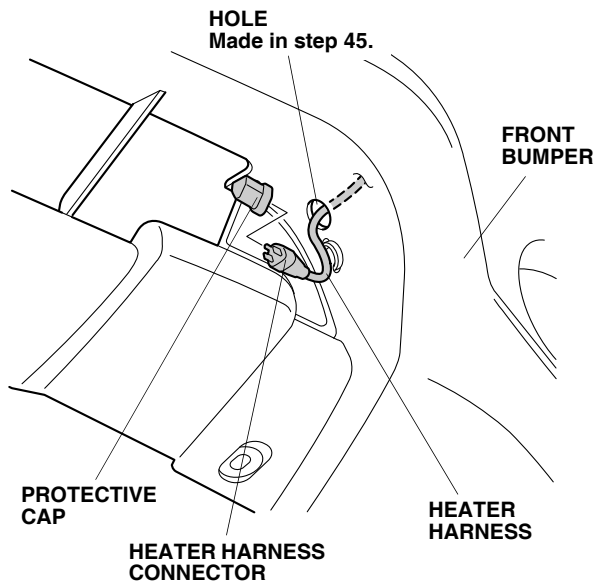
45. While wearing eye protection, drill the mark made in step 44 with a 3 mm drill bit, and then enlarge the hole with a 26 mm hole saw.

46. Route the protective cap through the hole made in step 43.



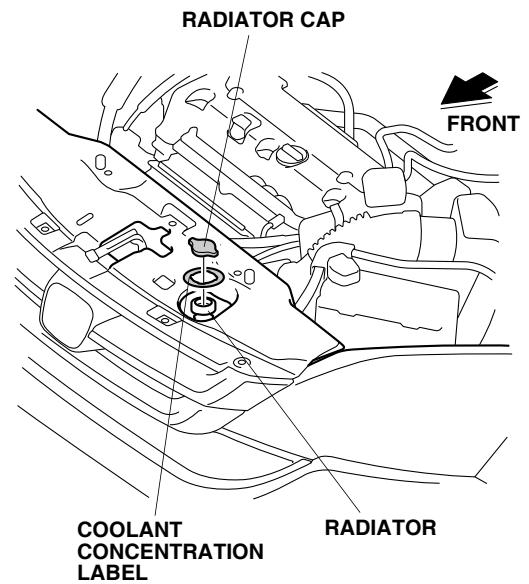
47. Secure the protective cap to the front bumper using one black wire tie as shown.

48. Route the heater harness connector through the hole made in step 45.



49. Install the protective cap into the heater harness connector.
50. Check that the heater harness is routed properly and all connectors are plugged in.
51. Remove the radiator cap.
52. Reinstall the radiator drain plug.
53. Pour the recommended coolant up to the top of the radiator filler port.
54. Bleed the cooling system and check the coolant level according to the instructions described in the service manual.

55. Install the coolant concentration label to the radiator as shown.



56. Reinstall the radiator cap to the radiator.
57. Put the drain bolt (removed in step 25) in the glove box.
58. Enter the anti-theft codes for the audio system and the navigation system (if equipped).
59. Reset the clock on models without a navigation system.