



INSTALLATION INSTRUCTIONS

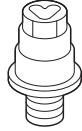
Accessory
ENGINE BLOCK HEATER
P/N 08T44-SWA-1A0

Application
2012 CIVIC
4-DOOR Si

Publications No.
All 45627
Issue Date
APRIL 2011

PARTS LIST

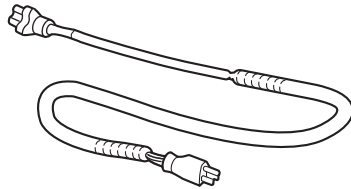
Engine block heater



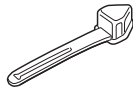
Aluminum washer



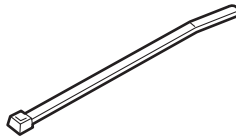
Heater harness



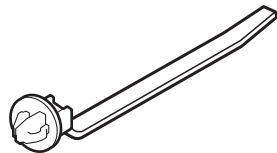
Protective cap



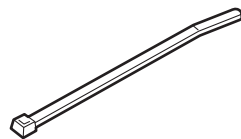
12 Black wire ties
(3 not used)



7 Wire ties with clip
(Not used)



5 White wire ties
(3 not used)



TOOLS AND SUPPLIES REQUIRED

Phillips screwdriver

Flat-tip screwdriver

Ratchet

10 mm, 19 mm, and 24 mm Sockets

Torque wrench

Diagonal cutters

Heavy gloves

Drain pan

Tape measure

Felt-tip pen

Coolant (Honda All-Season Antifreeze/Coolant Type 2)

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

Blanket

Drill

3 mm and 5 mm Drill bits

5 mm and 10 mm Hex wrenches

Pushpin

Fender cover

Tape

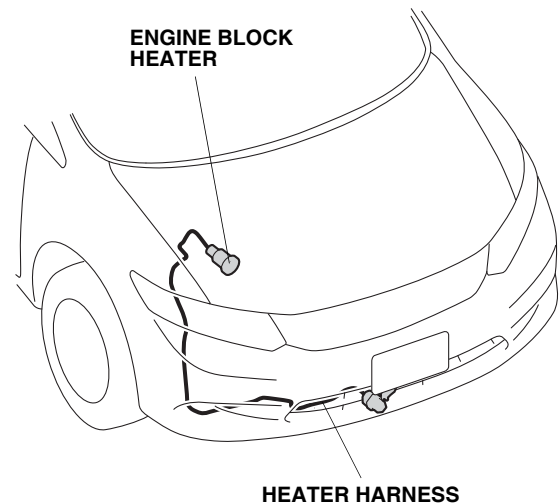
File

Trim Tool Set (T/N SOJATP2014)

Shop towel

Masking tape

Illustration of the Engine Block Heater Installed on the Vehicle



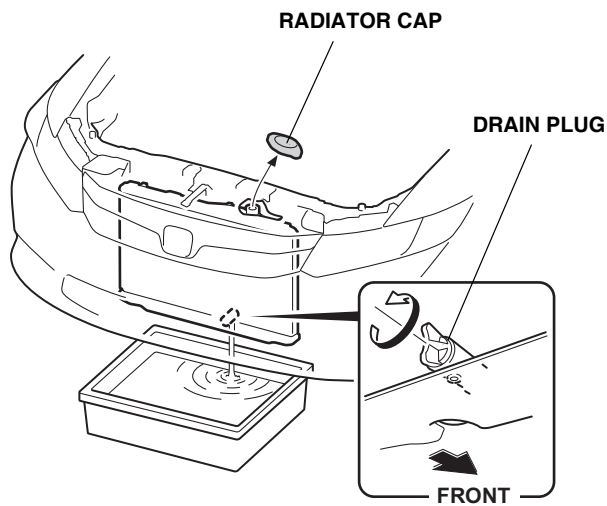
INSTALLATION

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.”

NOTE:

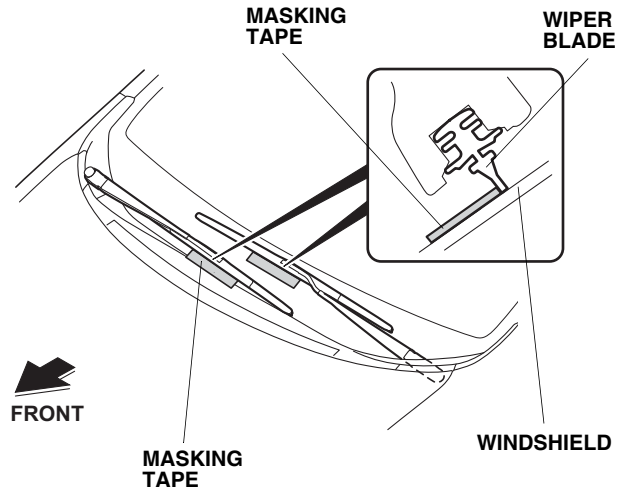
- Always use Honda All-Season Antifreeze/Coolant Type 2. Using a non-Honda coolant can result in corrosion, causing the cooling system to malfunction or fail.
 - To avoid burning out the element, do not operate the engine block heater until it is installed in the vehicle and you have added coolant.
1. Disconnect the negative cable from the battery.
 2. Allow the engine and all cooling system components to cool down.
 3. 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.

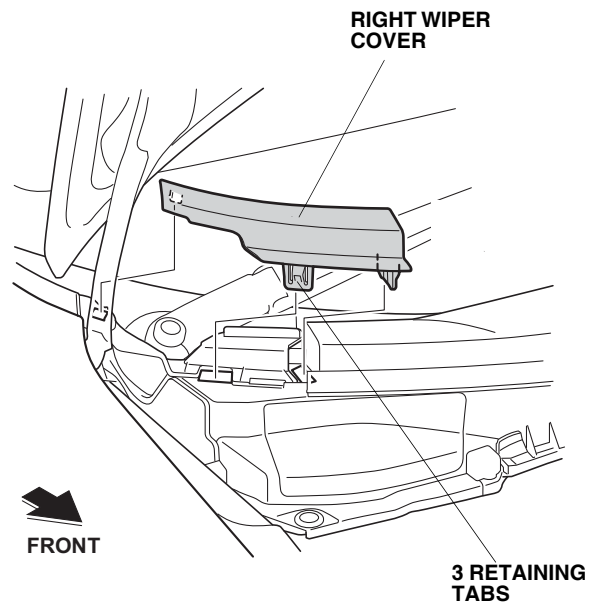


4. Drain the coolant completely, then replace the radiator cap.

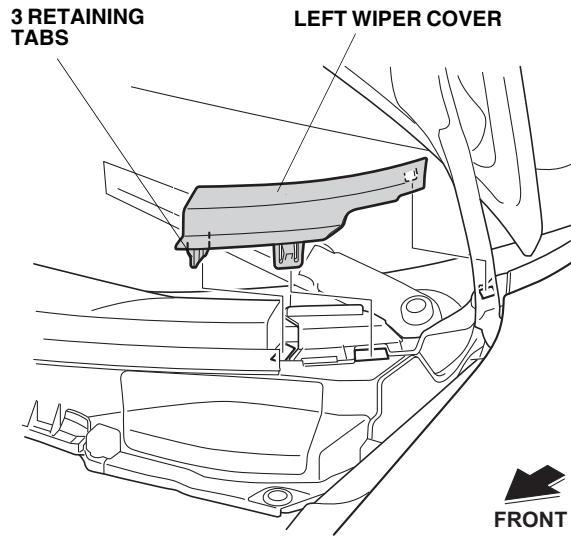
5. Attach masking tape to the windshield to mark the location of each wiper.



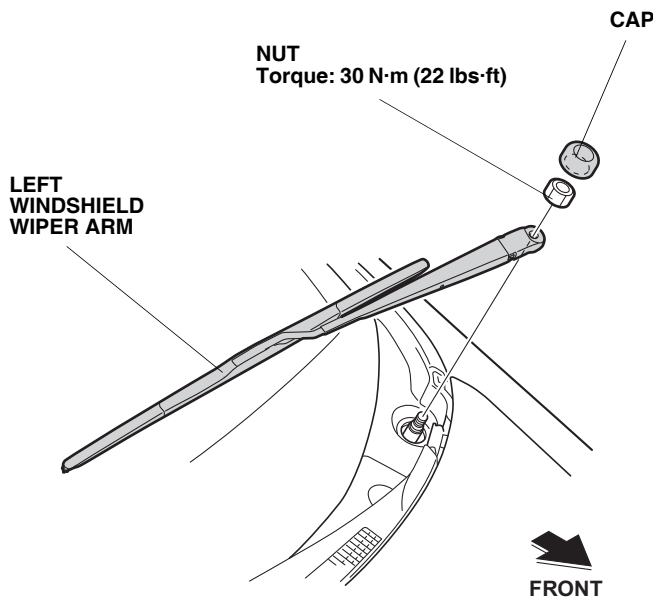
6. Open the hood, and remove the right wiper cover (three retaining tabs).



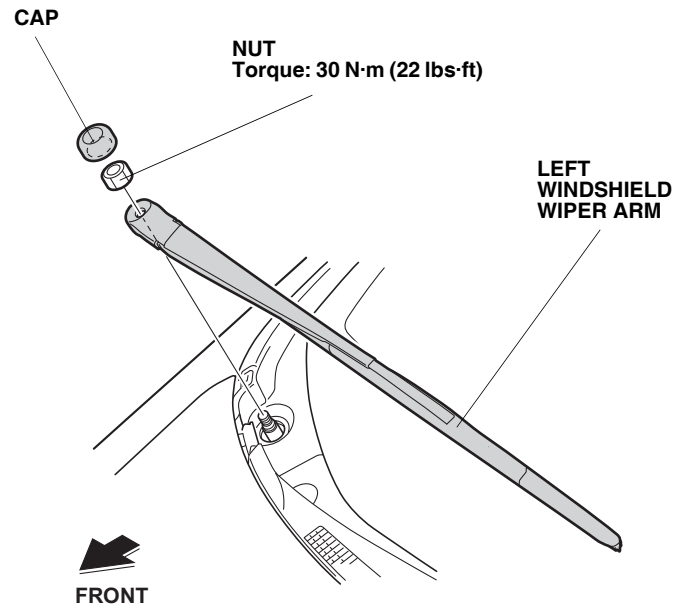
7. Remove the left wiper cover (three retaining tabs).



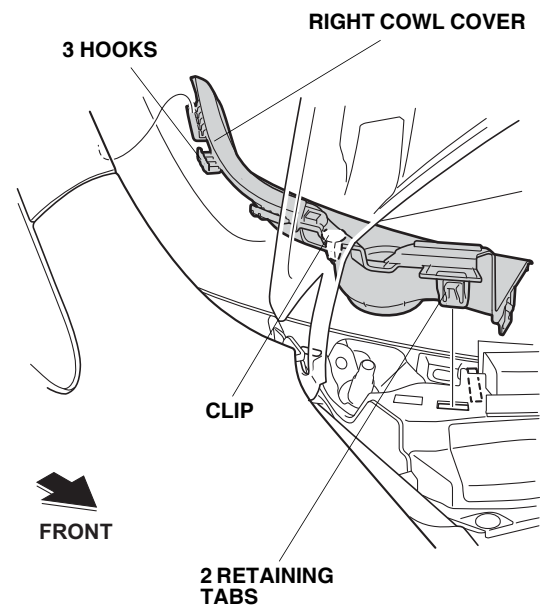
8. Close the hood. Remove the left windshield wiper arm (one cap and one nut). When reinstalling the windshield wiper, torque the nut to 30 N·m (22 lbs-ft).



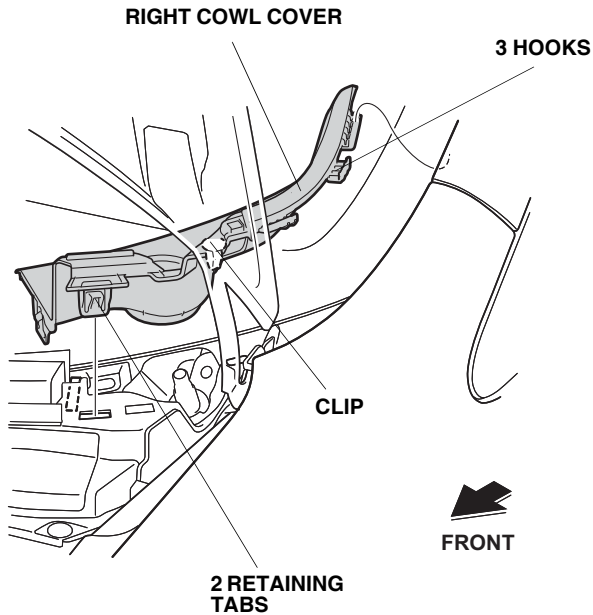
9. Remove the right windshield wiper arm (one cap and one nut). When reinstalling the windshield wiper, torque the nut to 30 N·m (22 lbs-ft).



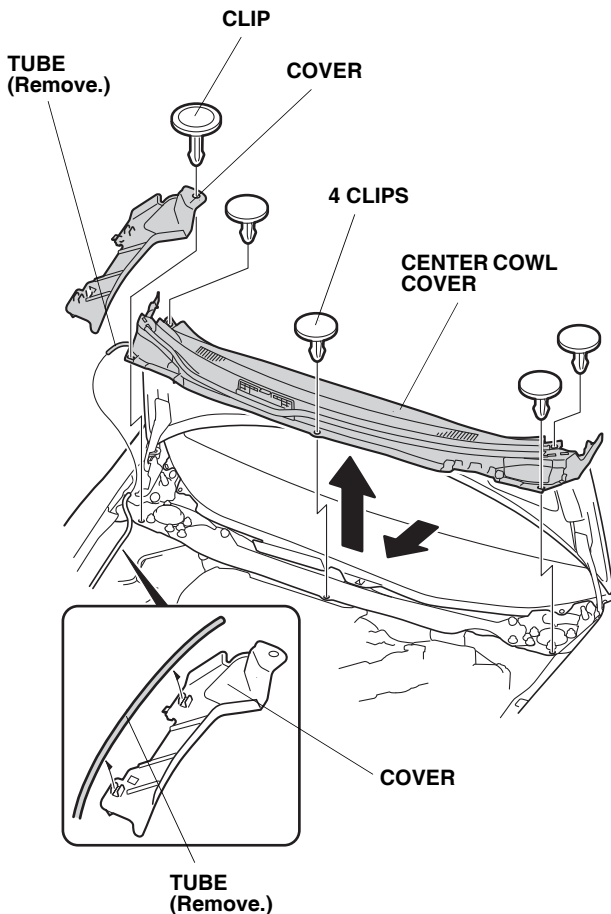
10. Open the hood, and remove the right cowl cover (two retaining tabs, clip, and three hooks).



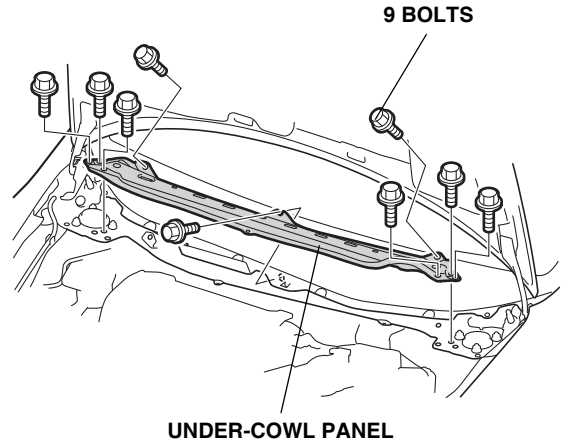
- Remove the left cowl cover (two retaining tabs, clip, and three hooks)..



- Remove the cover (one clip and tube). Remove the center cowl cover (four clips and tube).

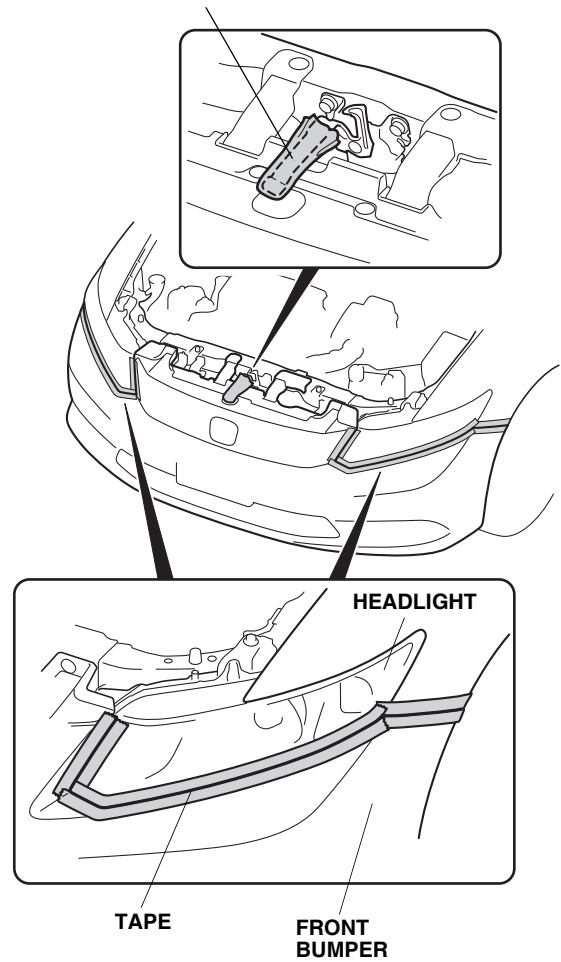


- Remove the under-cowl panel (nine bolts).

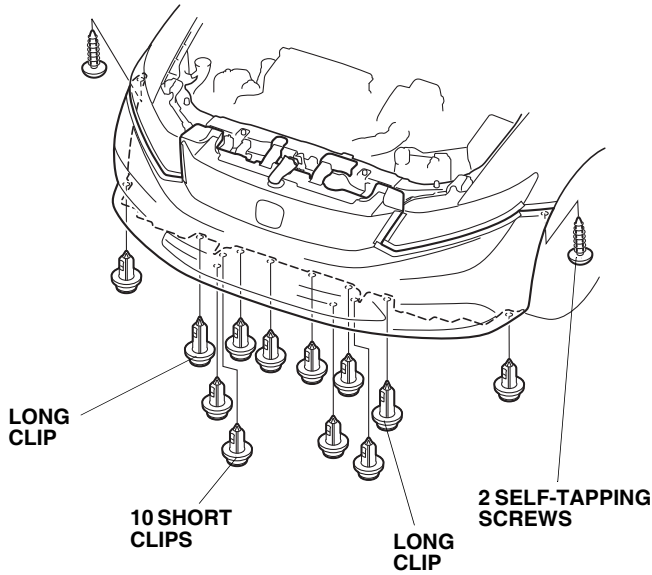


- Remove the front bumper.
 - Wrap a shop towel around the hood latch.
 - On each side, attach tape around the headlight area as shown.

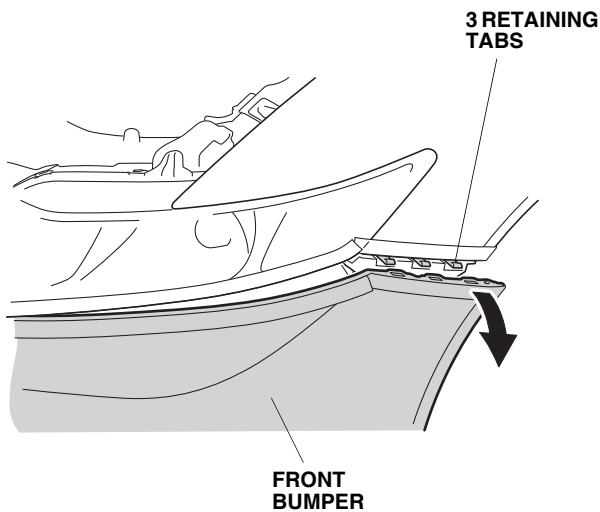
HOOD LATCH
(Wrap with a shop towel.)



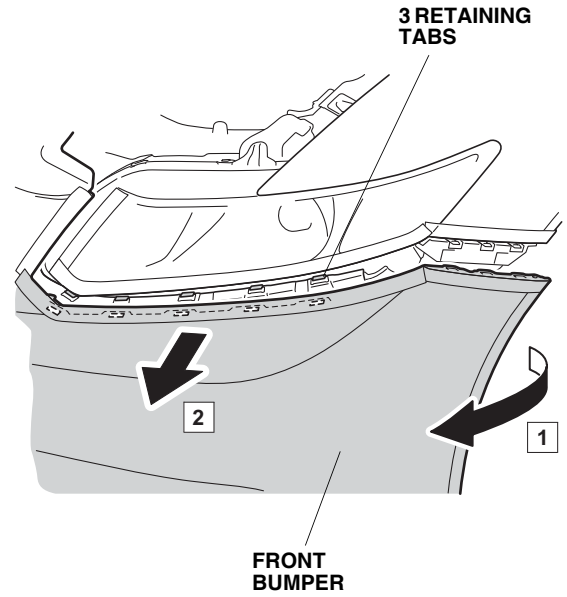
- Remove the 2 self-tapping screws, 10 short clips, and 2 long clips. Note the locations of the long clips.



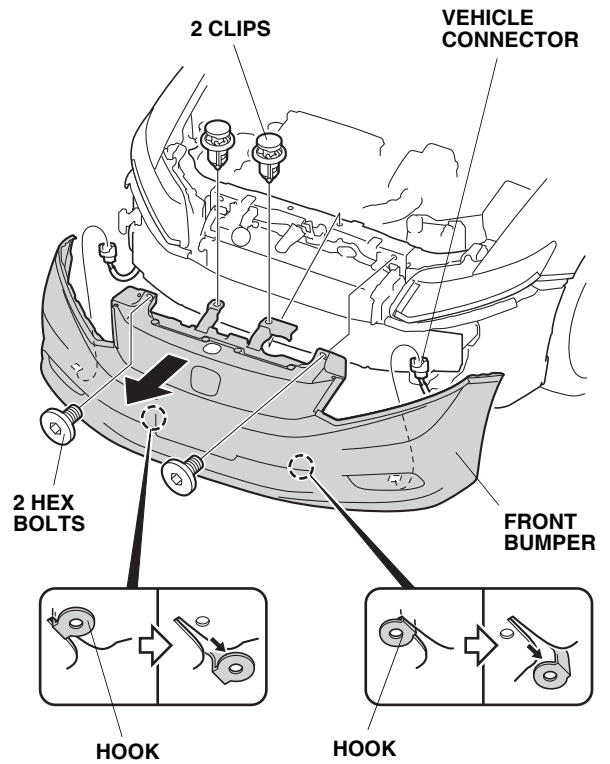
- On each side, release three retaining tabs.



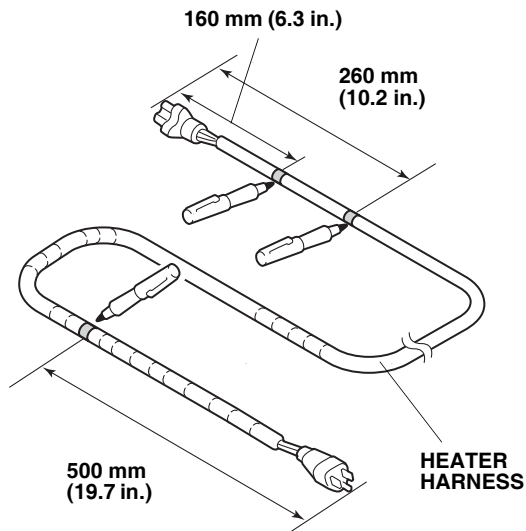
- On each side, release five retaining tabs.



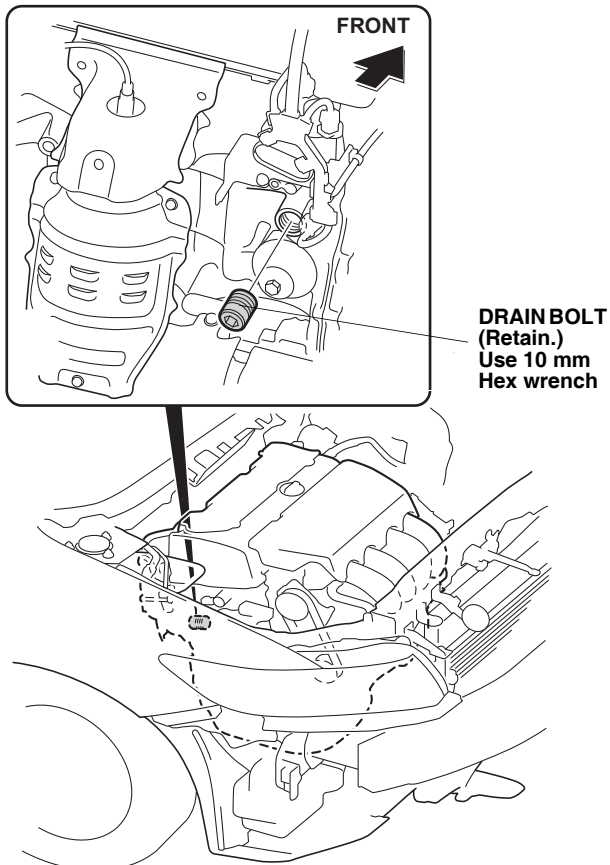
- With the help of an assistant, remove the front bumper (two hex bolts, two clips, and unplug the vehicle connectors). Place the front bumper on a blanket to prevent damage.



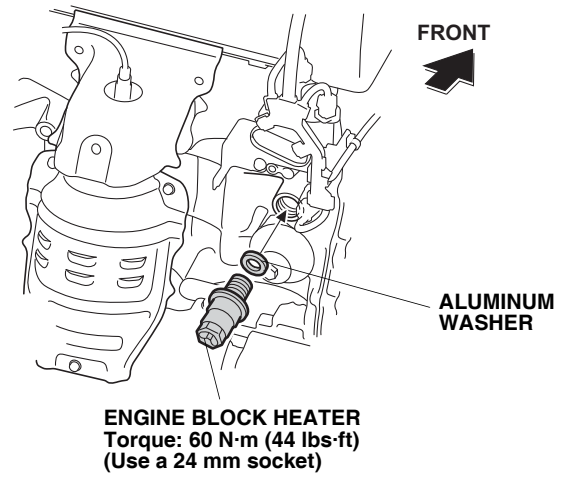
15. Using a tape measure and a felt-tip pen, measure and mark the heater harness at the three measurements shown.



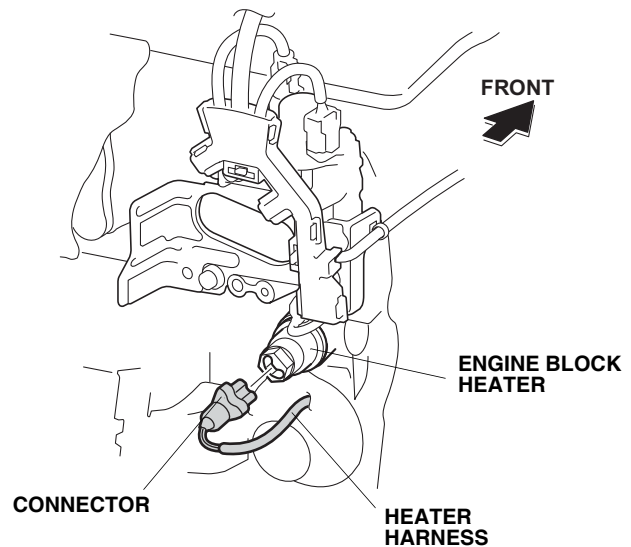
16. Locate and remove the drain bolt. Coolant remaining in the engine jackets flow out of the hole when the bolt is removed. Retain the bolt; it will be used if the block heater is removed.
- NOTE: Use a new washer, if the drain bolt is reinstalled.



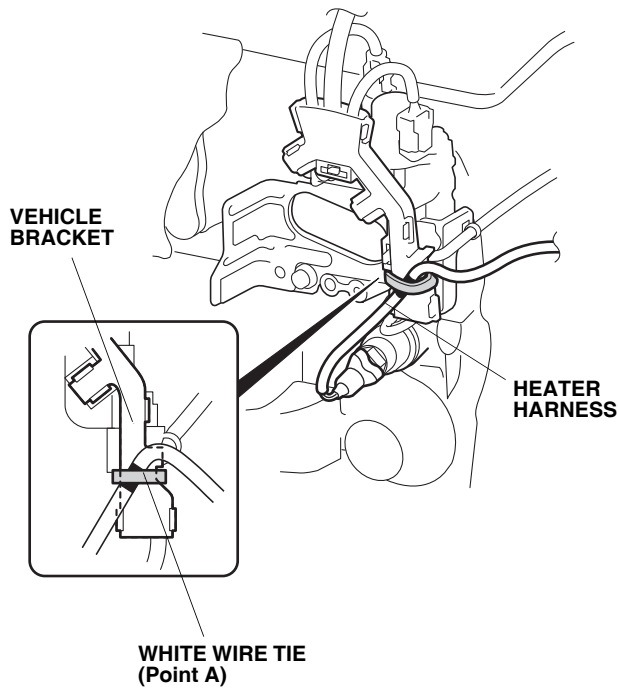
17. Install the engine block heater with an aluminum washer into the bolt hole using a 24 mm socket and a torque wrench. Torque the engine block heater to 60 N·m (44 lbs·ft) .



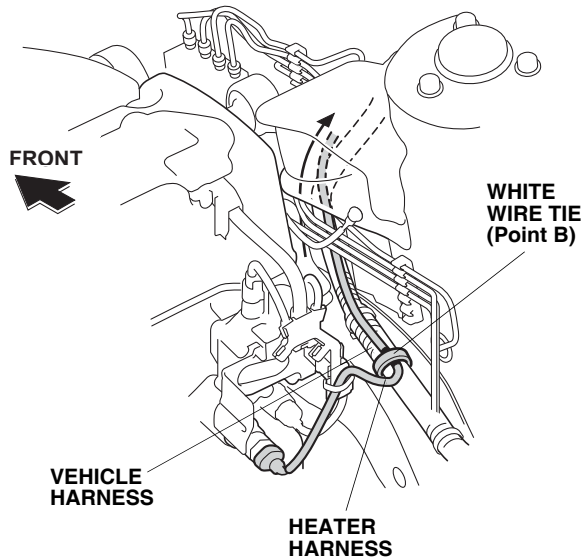
18. Plug the connector end of the heater harness into the engine block heater.



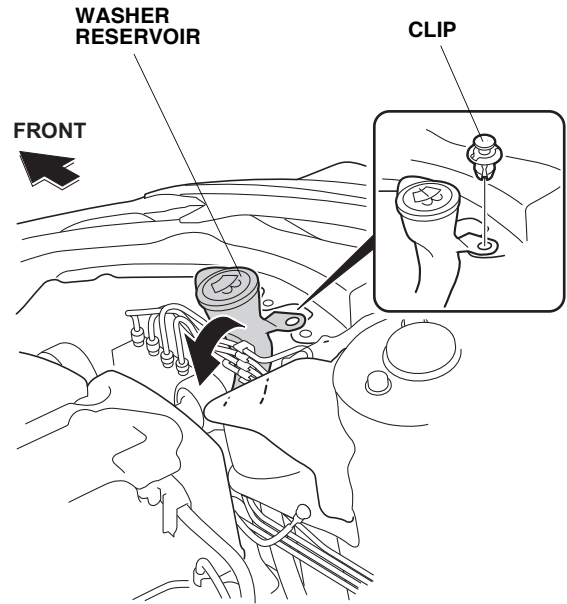
19. Secure the heater harness to the vehicle bracket with one white wire tie at the mark you made (Point A).



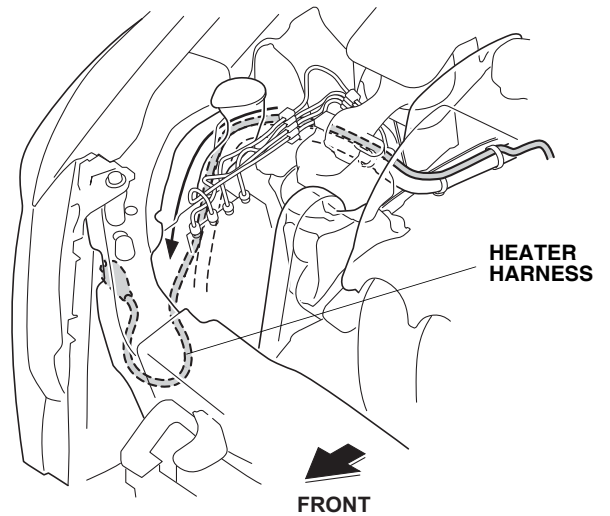
20. Route the heater harness toward the passenger side of the vehicle. Secure the heater harness to the vehicle harness with one white wire tie at the mark you made (Point B).



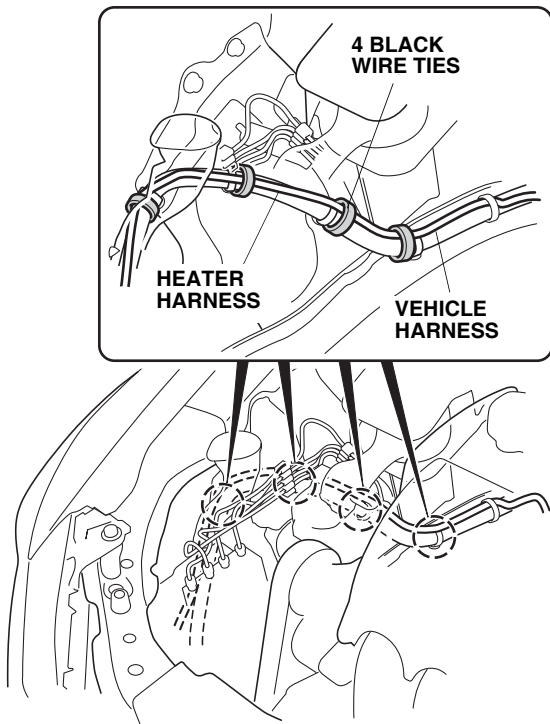
21. Remove the clip that secures the washer reservoir, and carefully move the reservoir out of the way.



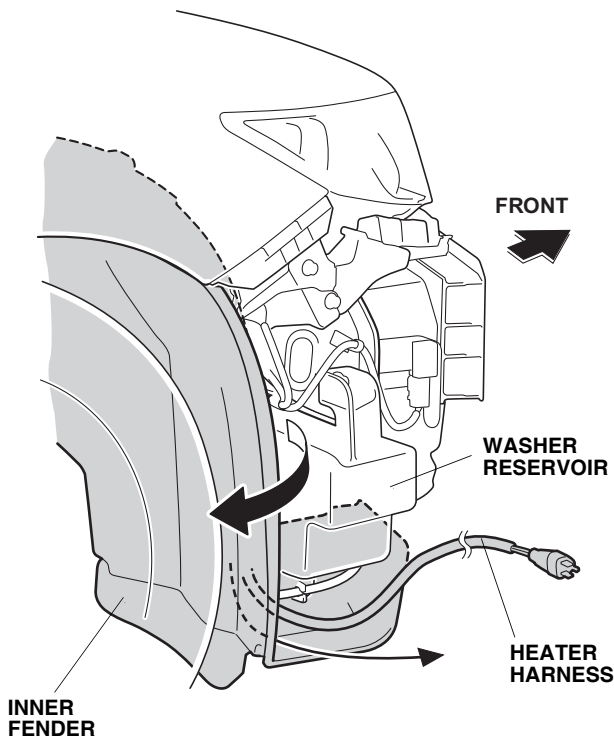
22. Route the heater harness behind the washer reservoir, and down along the fenderwell.



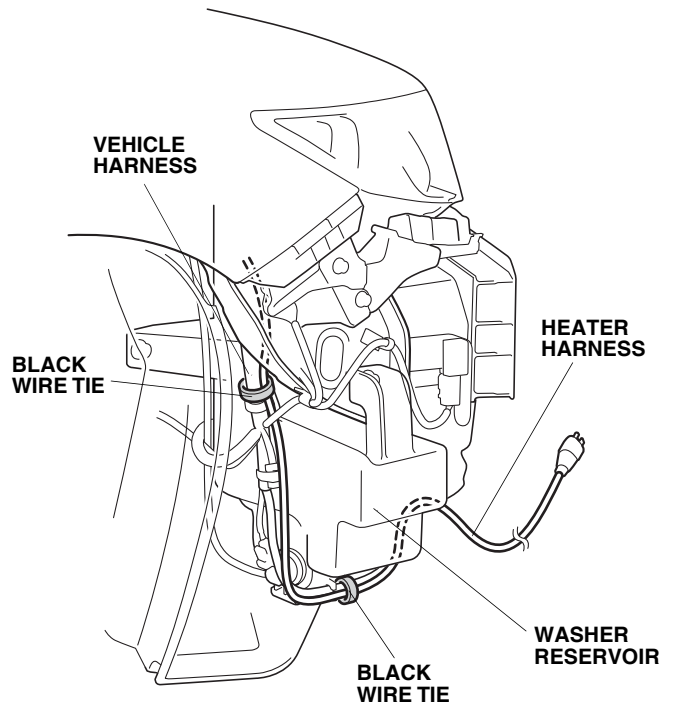
23. Secure the heater harness to the vehicle harness using four black wire ties.



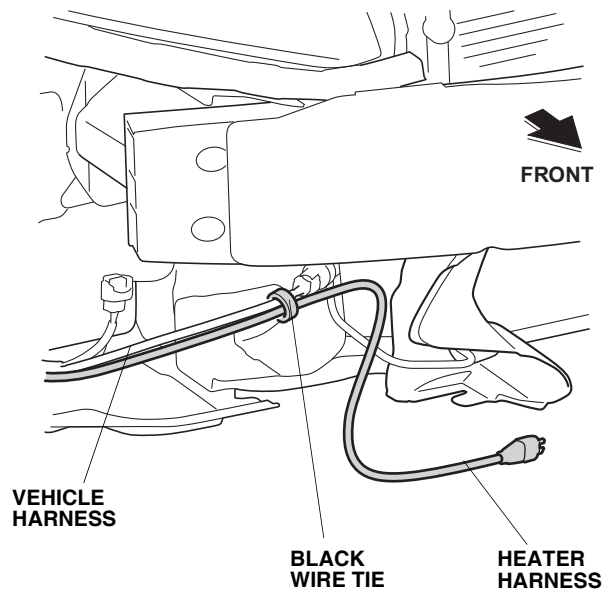
24. Pull the inner fender away from the washer reservoir, then route the heater harness out away from the inner fender.



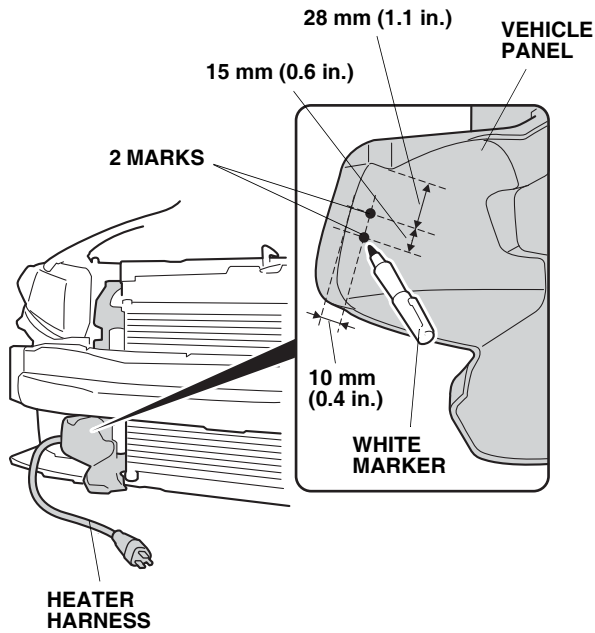
25. Secure the heater harness to the vehicle harness using two black wire ties.



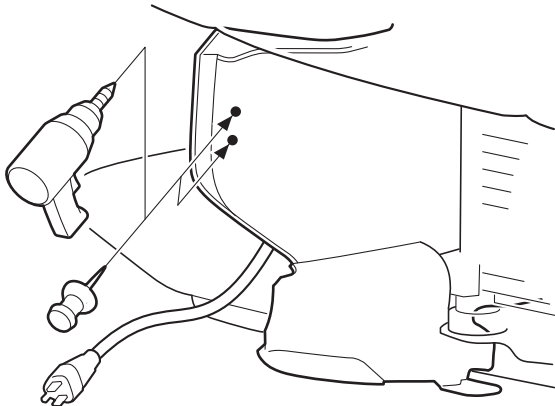
26. Route the heater harness across the front bulkhead, and secure it to the vehicle harness with one black wire tie.



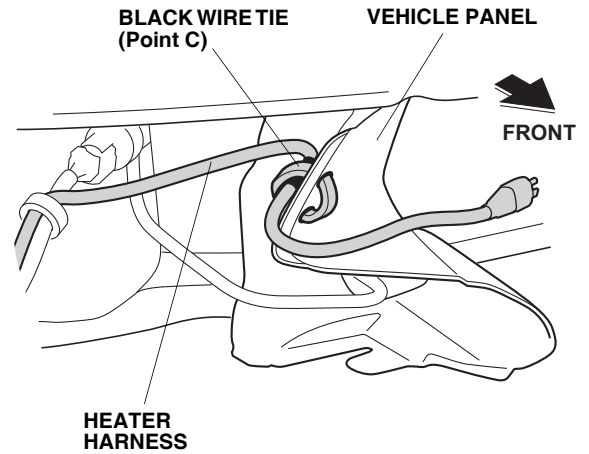
27. Using a felt-tip pen and a tape measure, measure and mark the vehicle panel at the measurement shown.



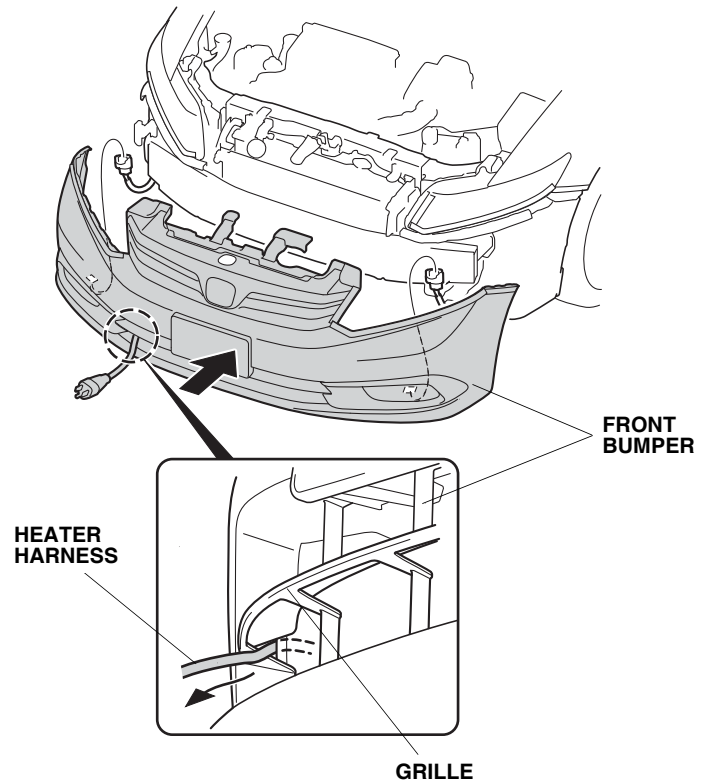
28. Using a pushpin, pierce the two marks on the vehicle panel. While wearing eye protection, drill two pierced marks with a 3 mm drill bit, then enlarge the holes with a 5 mm drill bit. Remove any burrs.



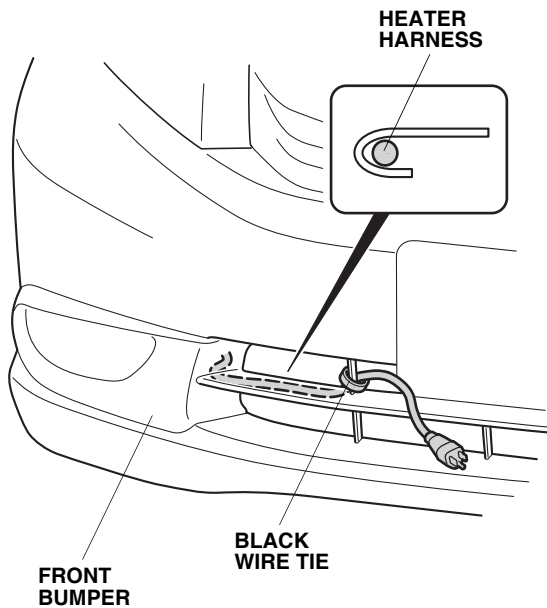
29. Secure the heater harness to the vehicle panel holes with one black wire tie at the mark you made (Point C).



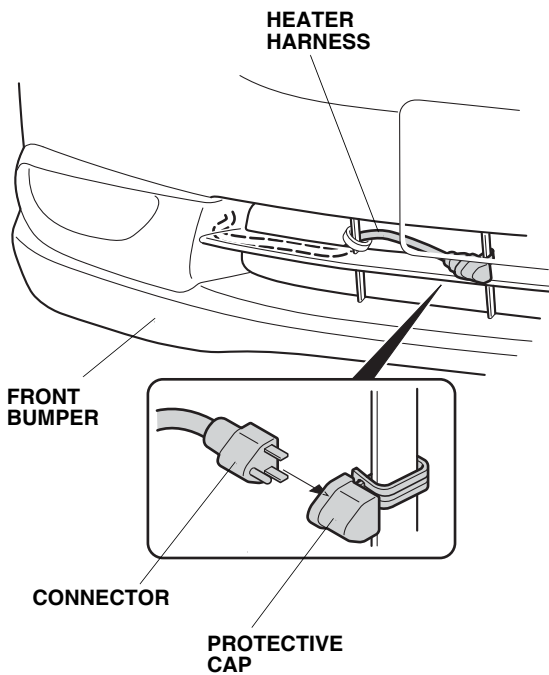
30. With the help of an assistant, route the heater harness through the grille in the area shown, then reinstall the front bumper.



31. Route the heater harness inside the front bumper and secure it to the grille with one black wire tie.



32. Attach the protective cap to the front bumper, and plug the heater harness connector into the protective cap.



33. Reinstall all removed parts.
34. Reinstall the drain plug.
35. Remove the radiator cap, and fill the system with the recommended coolant. Follow the instructions described in the service manual to fill and bleed the cooling system.
36. Check the coolant reservoir for the correct level and check the cooling system for signs of leakage. Repair as necessary.
37. Check that the heater harness is routed properly and all connectors are plugged in.
38. Reinstall the radiator cap.
39. Put the drain plug (removed in step 16) in the glove box.
40. Reconnect the negative cable to the battery.
41. Press and hold the radio power button for two seconds to restore the radio and navigation (if equipped) system functions.
42. Reset the clock if necessary.