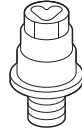


PARTS LIST**Engine Block Heater Kit**

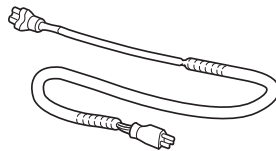
Engine block heater



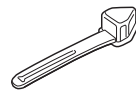
Aluminum washer



Heater harness



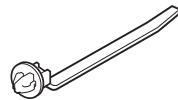
Protective cap



12 Black wire ties (3 not used)



7 Wire ties with clips (4 not used)



5 White wire ties (4 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

Drill

5 mm Drill bit

File

Drain pan

Tape measure

White marker

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

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

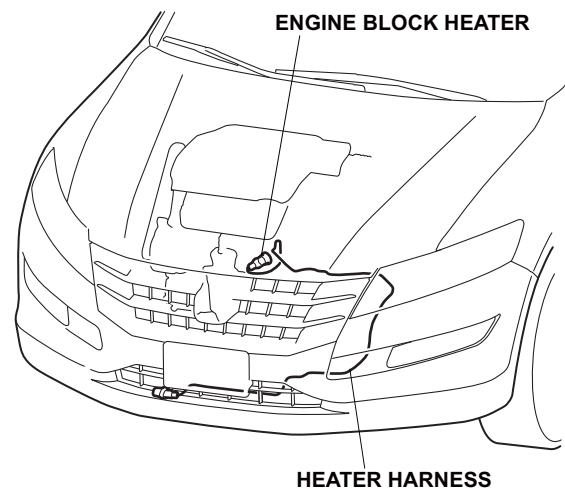
Fender cover

Duct tape

Pushpin

Plastic Trim Tool (T/N SILTRIMTL10)

Blanket

Illustration of the Engine Block Heater Installed on the Vehicle

INSTALLATION

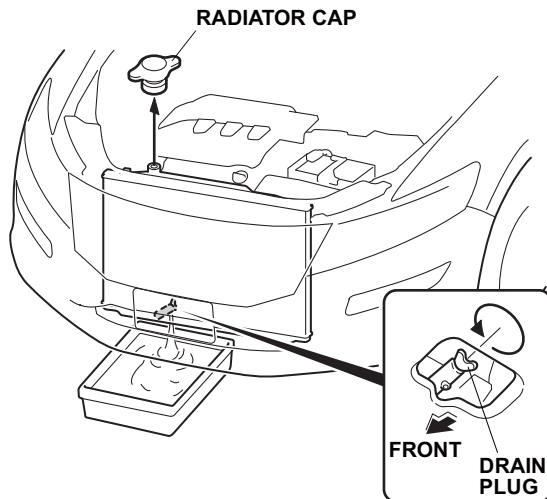
NOTE:

- 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 it is installed in the vehicle and you have added coolant.

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.”

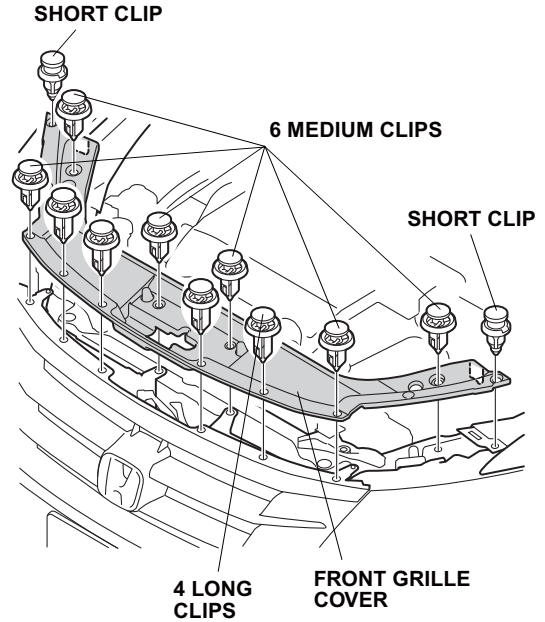
1. Make sure you have the anti-theft code for the audio, radio, and navigation system (if equipped), then write down the audio and radio station presets.
2. Disconnect the negative cable from the battery.
3. Allow the engine and all cooling system components to cool down.
4. Place a clean drain pan under 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 paint. Quickly rinse any spilled coolant from painted surfaces.

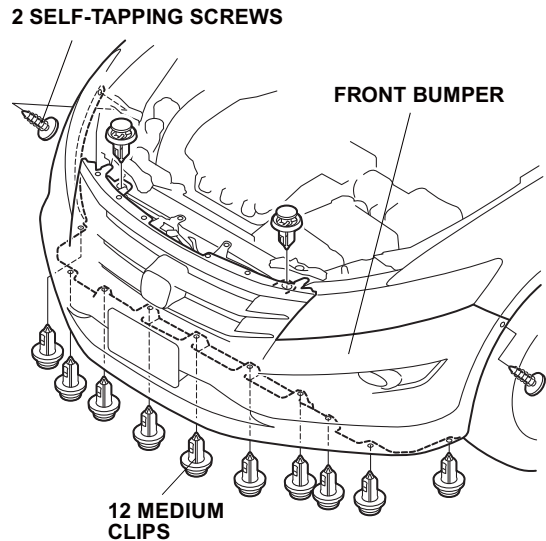


5. Remove the front bumper:

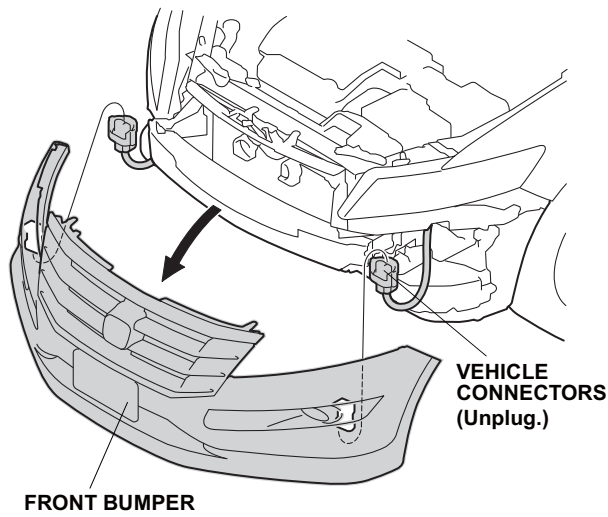
- Remove the front grille cover (two short clips, six medium clips, and four long clips).



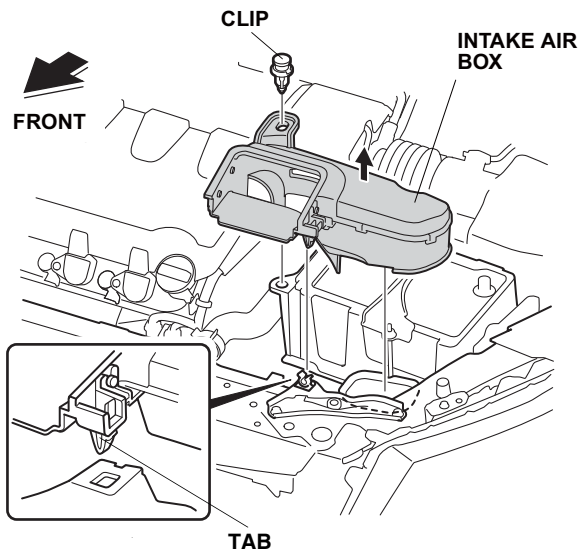
- Remove 2 self-tapping screws and 12 medium clips.



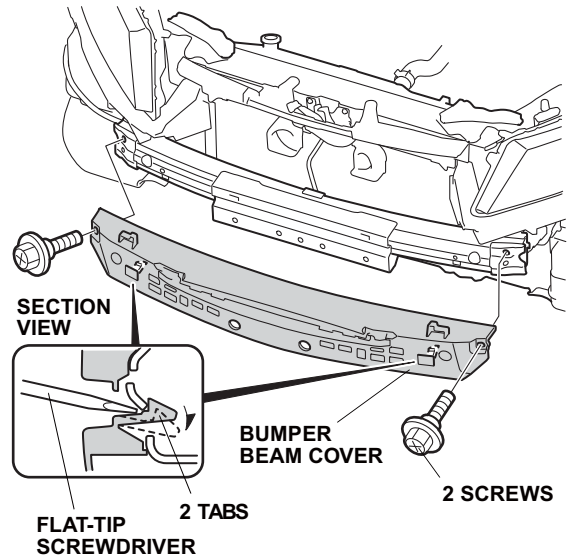
- With the help of an assistant, remove the front bumper (unplug the two vehicle connectors). Place the front bumper on a blanket to prevent damage.



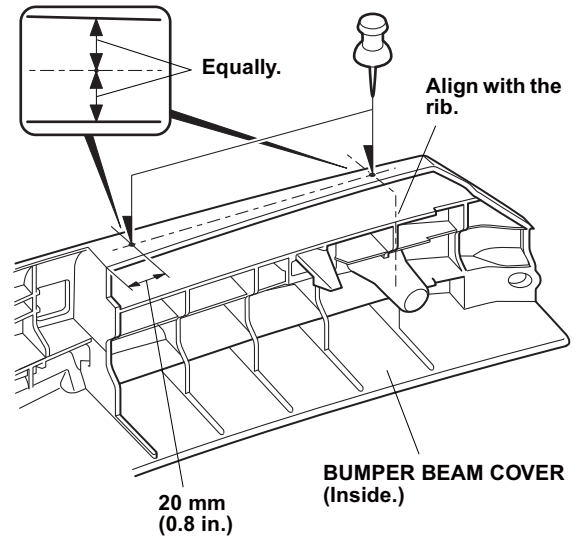
6. Remove the intake air box (one clip and one tab).



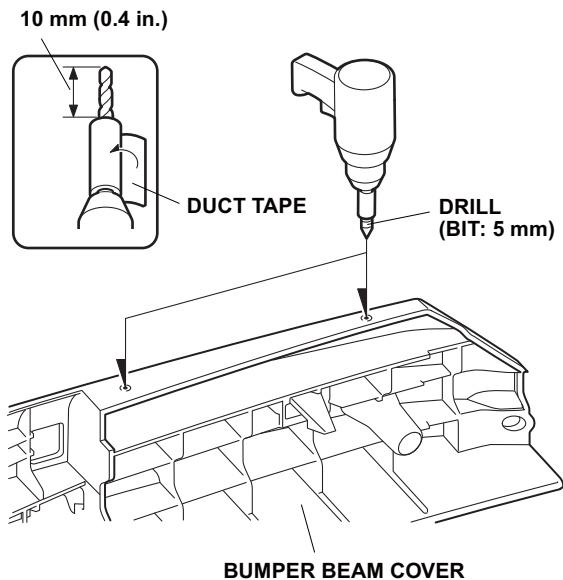
7. Remove the bumper beam cover (two screws and two tabs). Use a small flat-tip screwdriver to gently release the tabs.



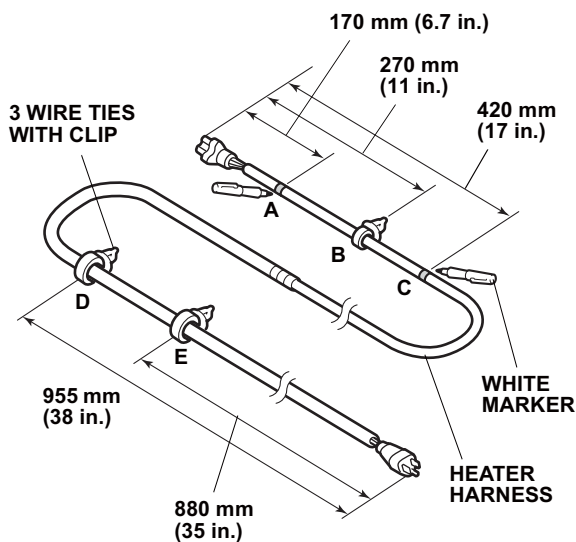
8. Inside the bumper beam, use a pushpin to pierce the bumper beam cover at the measurement shown.



- While wearing eye protection, drill 5 mm holes in the bumper beam cover at the pierced marks as shown. Wrap duct tape around the drill bit 10 mm (0.4 in.) from the tip.

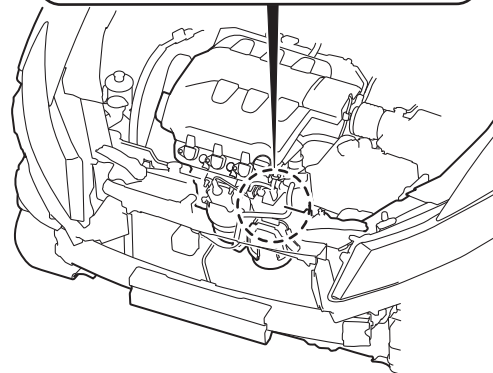
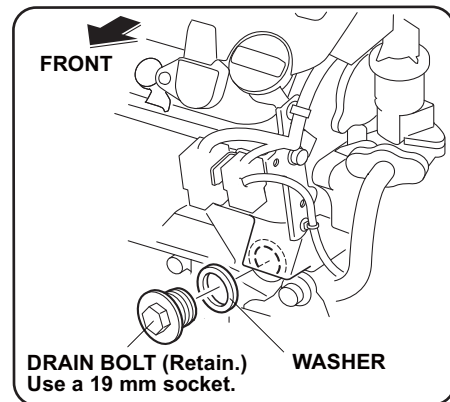


- Remove any burrs from the edges of the drilled holes.
- Reinstall the bumper beam cover.
- Get the heater harness. Measure and install three wire ties with clips to the heater harness at each of the measurements shown.

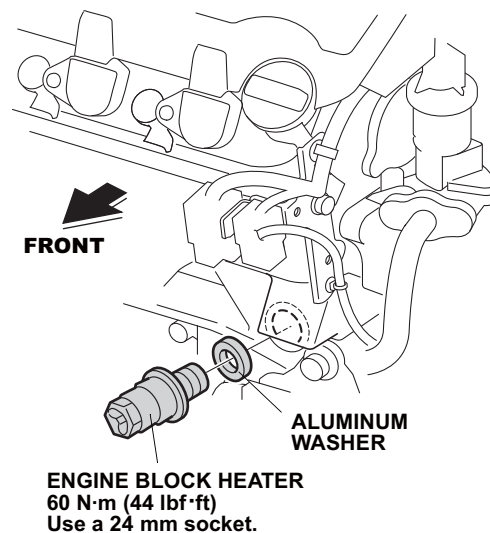


- Using a white marker, measure and mark the heater harness at the measurements shown.

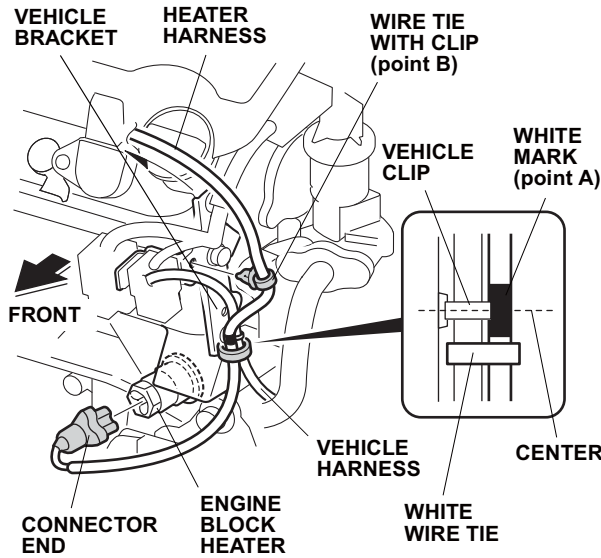
- Locate and remove the drain bolt and washer. Coolant remaining in the engine jackets will flow out of the bolt hole when the bolt is removed. (Retain the drain bolt in case the block heater is removed.)
NOTE: Use a new washer if the drain bolt is reinstalled.



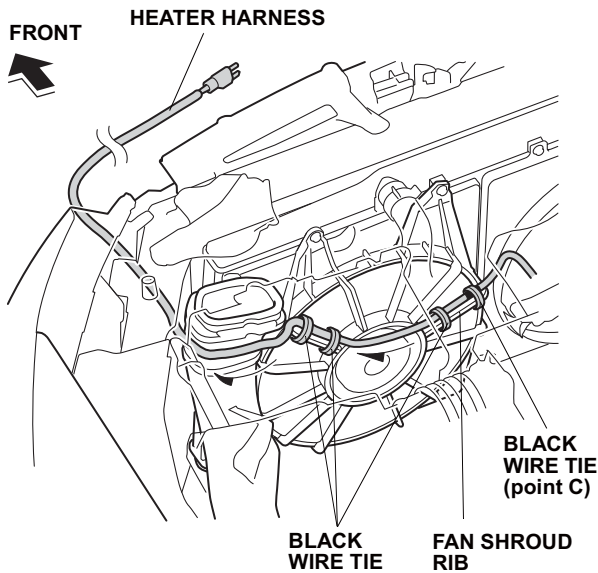
- Install the engine block heater with aluminum washer into the engine block using a 24 mm socket and a torque wrench. Torque the engine block heater to 60 N·m (44 lbf·ft).



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

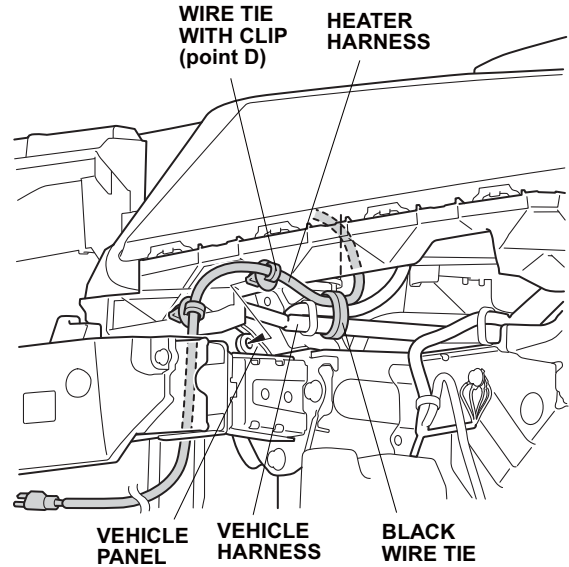


17. Using one white wire tie, secure the heater harness (point A) to the vehicle harness. Secure the wire tie with clip (point B) to the vehicle bracket.
18. Route the heater harness as shown. Using one black wire tie, secure the heater harness (point C) to the fan shroud rib.

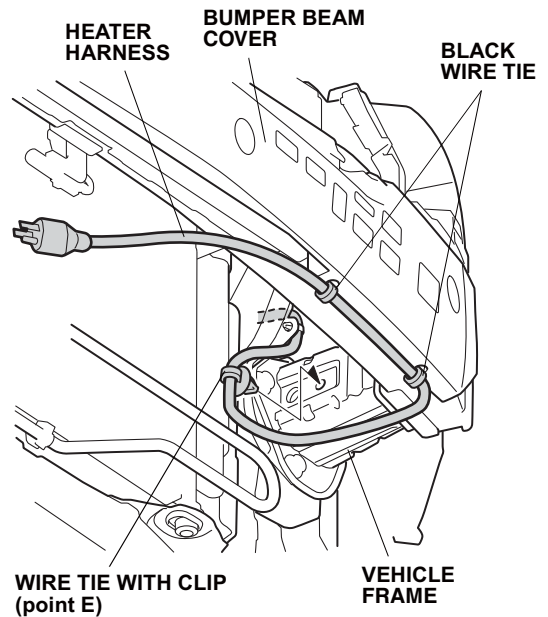


19. Using three black wire ties, secure the heater harness to the fan shroud ribs.

20. Secure the one wire tie with clip (point D) to the vehicle panel. Using one black wire tie, secure the heater harness to the vehicle harness.

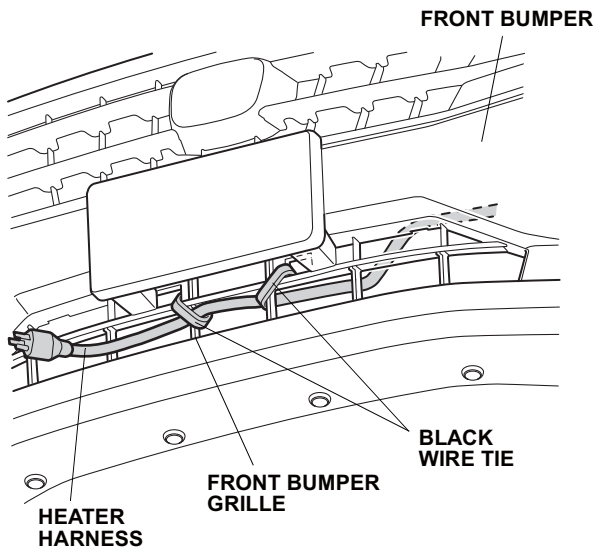


21. Secure the wire tie with clip (point E) to the vehicle frame.

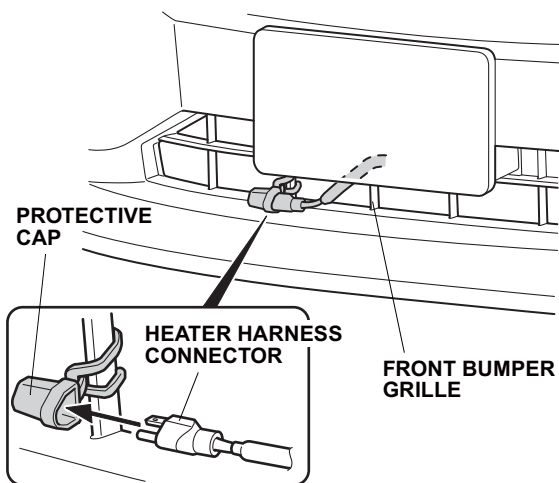


22. Using two black wire ties, secure the heater harness to the bumper beam cover.

23. Reinstall the front bumper. Route the heater harness as shown. Using two black wire ties, secure the heater harness to the front bumper grille.



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



25. Reinstall all removed parts except for the radiator cap.
26. Fill the system with the recommended coolant. Follow the instructions described in the service manual to fill and bleed the cooling system.
27. Check the coolant reservoir for correct level and check the cooling system for signs of leakage. Repair as necessary.
28. Reinstall the radiator cap.
29. Check that the heater harness is routed properly and all connectors are plugged in.
30. Put the drain bolt (removed in step 14) in the glove box.
31. Reconnect the negative cable to the battery.
32. Enter the anti-theft codes for the audio, radio, and navigation system (if equipped).
33. Reset the clock on the models without the navigation system.