



INSTALLATION INSTRUCTIONS

Accessory
ENGINE BLOCK HEATER
P/N 08T44-SNA-101

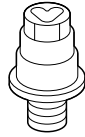
Application
2012 CROSSTOUR
(L4)

Publications No.
All 46180

Issue Date
AUG 2011

PARTS LIST

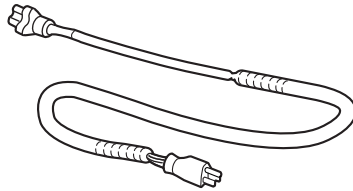
Engine block heater



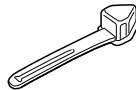
Aluminum washer



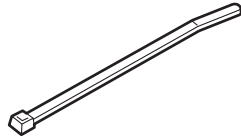
Heater harness



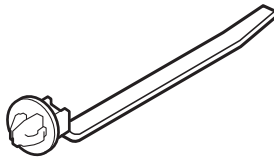
Protective cap



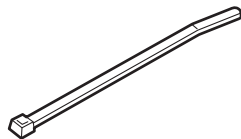
12 Black wire ties
(7 Not used)



7 Wire ties with clip



5 White wire ties
(Not used)



TOOLS AND SUPPLIES REQUIRED

Phillips screwdriver

Flat-tip screwdriver

10 mm Open end wrench

Ratchet

10 mm, 12 mm, and 24 mm Sockets

10 mm Hex socket

100 mm Extension

Torque wrench

Diagonal cutters

Heavy gloves

Drain pan

Tape measure

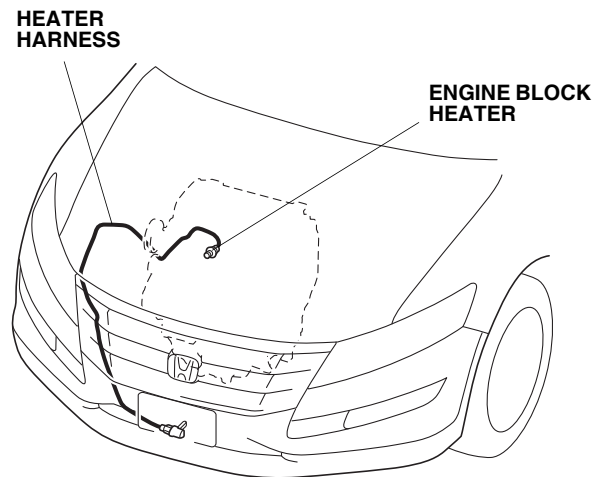
White marker

Coolant (Honda All Season Antifreeze/Coolant Type2)

Fender cover

Blanket

Illustration of the Engine Block Heater Installed on the Vehicle



INSTALLATION

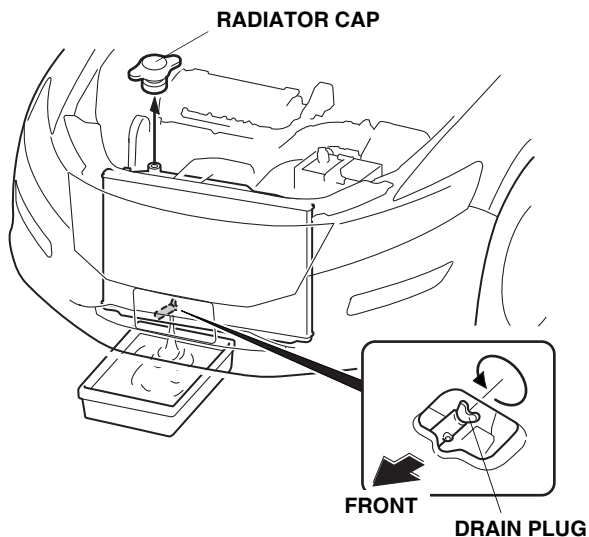
NOTE:

- Always use Honda All Season Antifreeze/Coolant Type2. 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 before it is installed in the vehicle and before you add coolant.

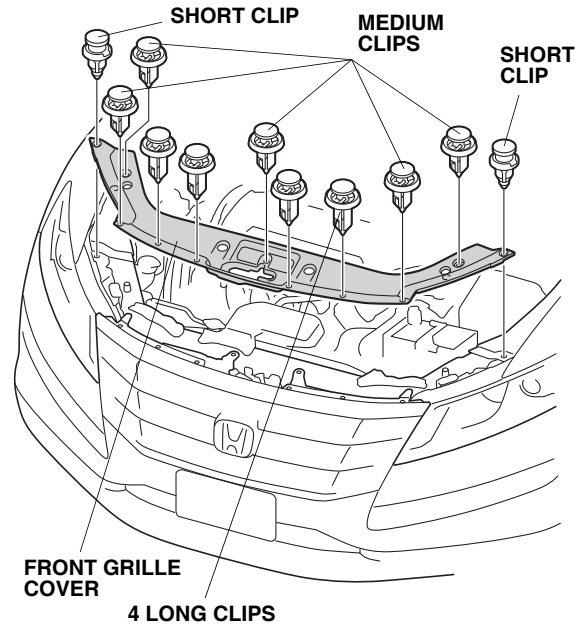
Customer Information: The information in this installation instruction is intended for use only by skilled technicians who have the proper tools, equipment, and training to correctly and safely add equipment to your vehicle. These procedures should not be attempted by “do-it-yourselfers.”

1. Make sure you have the anti-theft code for the audio unit and navigation system (if equipped), then write down the 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.

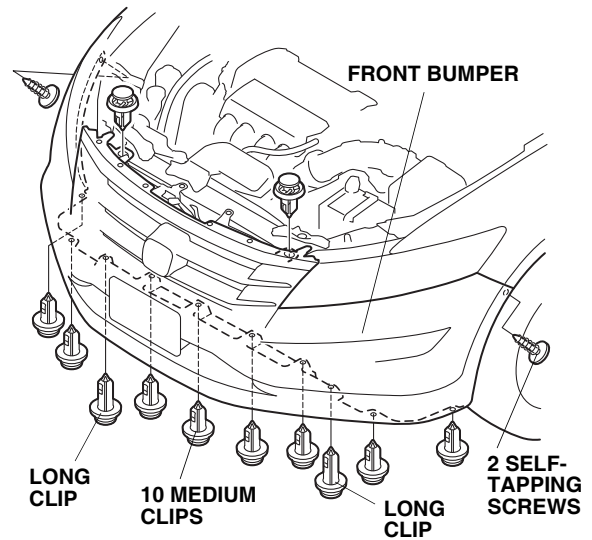
NOTICE: Radiator coolant will damage the body paint. Quickly rinse any spilled coolant from body paint finish.



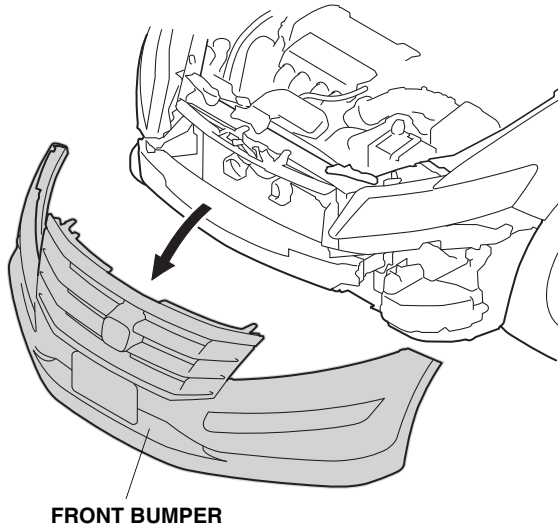
5. Remove the front bumper:
 - Remove the front grille cover (two short clips, five medium clips, and four long clips).



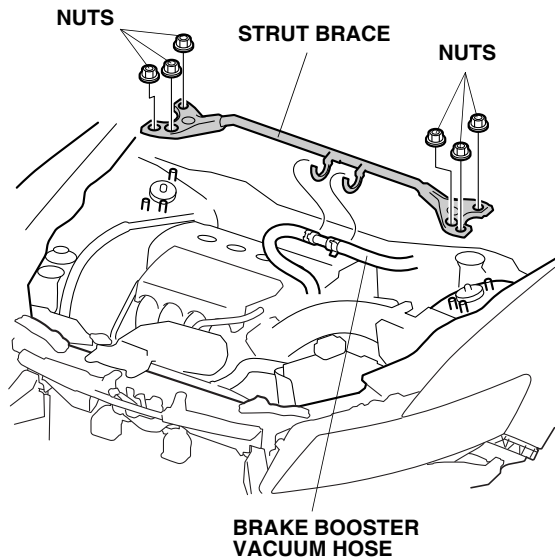
- Remove 2 self-tapping screws, 2 long clips, and 10 medium clips.



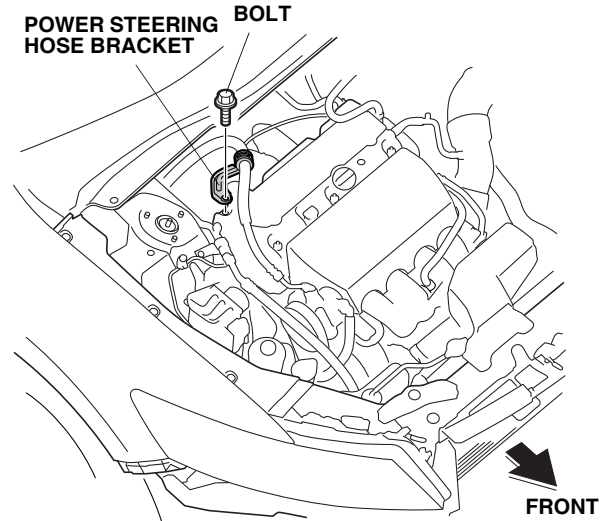
- With the help of an assistant, remove the front bumper. Place the front bumper on a blanket to prevent damage.



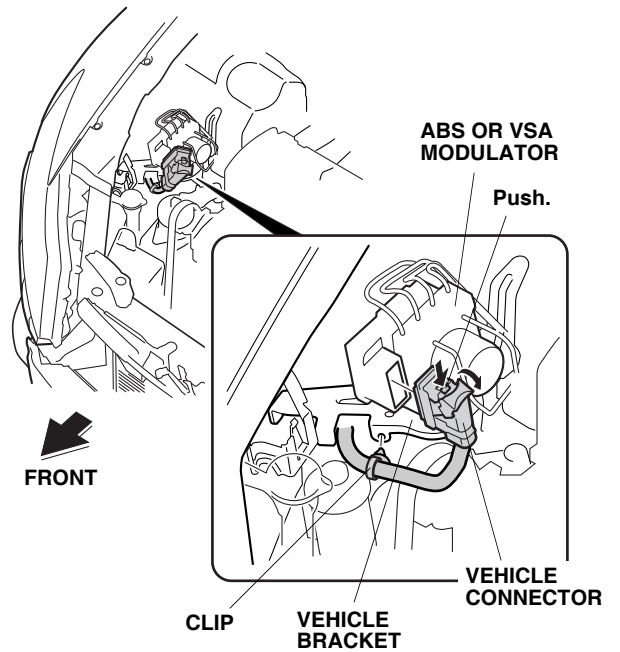
6. Remove the strut brace (six nuts, and disconnect the brake booster vacuum hose). When you reinstall the strut, torque the nuts to 22 N·m (16 lbf·ft).



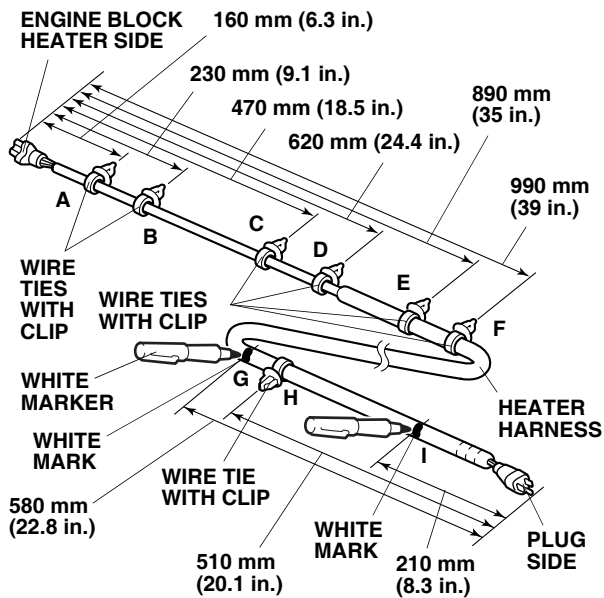
7. Remove the power steering hose bracket (one bolt). When you reinstall the power steering hose bracket, torque the bolt to 12 N·m (8.9 lbf·ft).



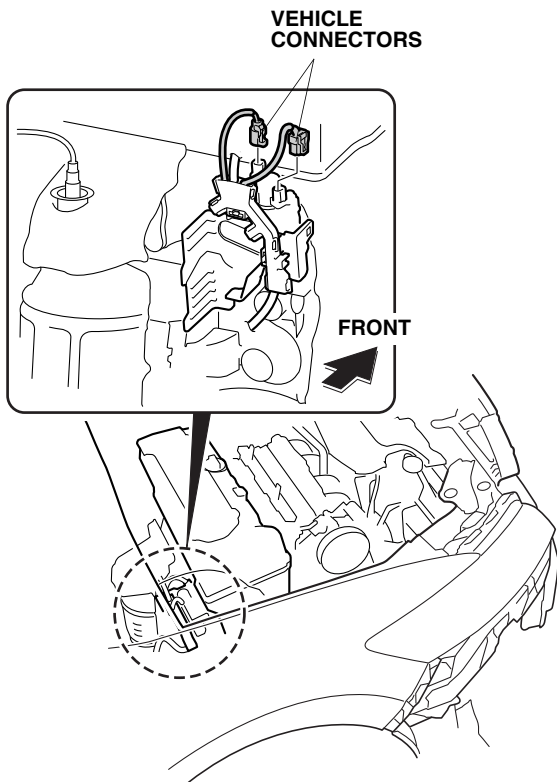
8. Unplug the vehicle connector from the ABS or VSA Modulator, and release the clip from the vehicle bracket.



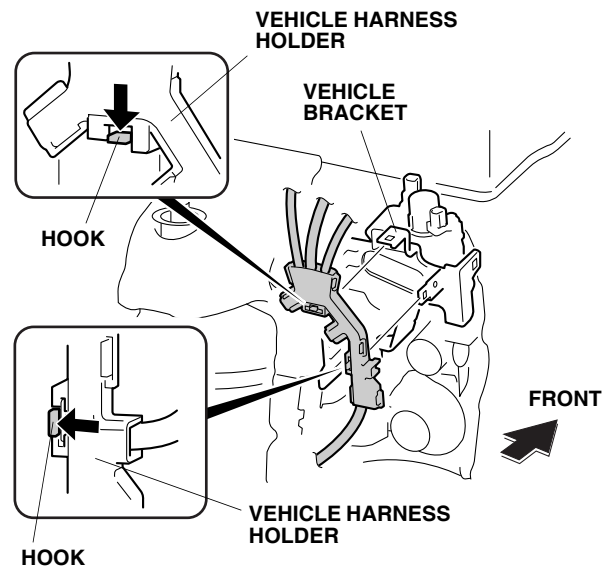
- Get the heater harness. Using a tape measure, install one wire tie with clip to the heater harness at each of the measurement shown.



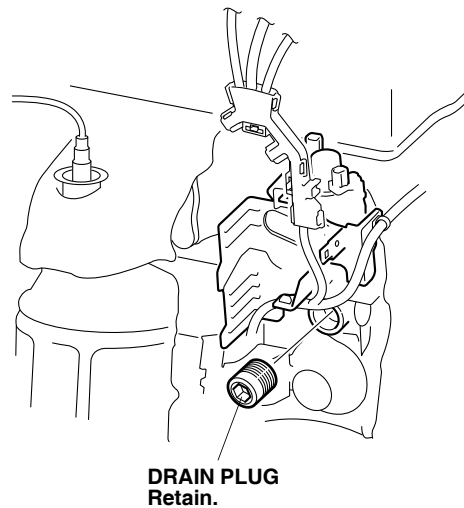
- Using a white marker, mark the heater harness at the measurements shown.
- Unplug two vehicle connectors.



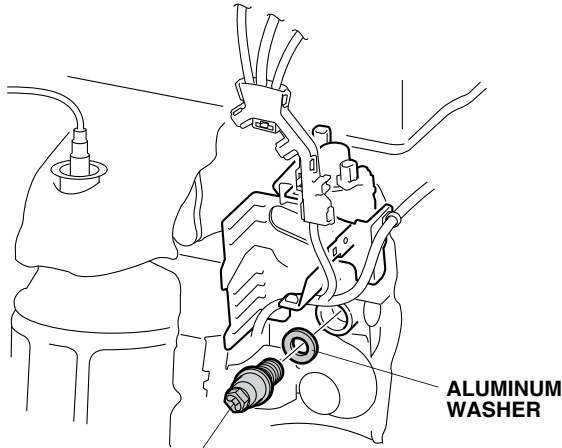
- Release the vehicle harness holder from the vehicle bracket (two hooks).



- Using a 10 mm hex socket, remove the drain plug from the engine block. Coolant remaining in the engine jackets will flow out the hole when the plug is removed. Retain the plug; it will be used if the engine block heater is removed.

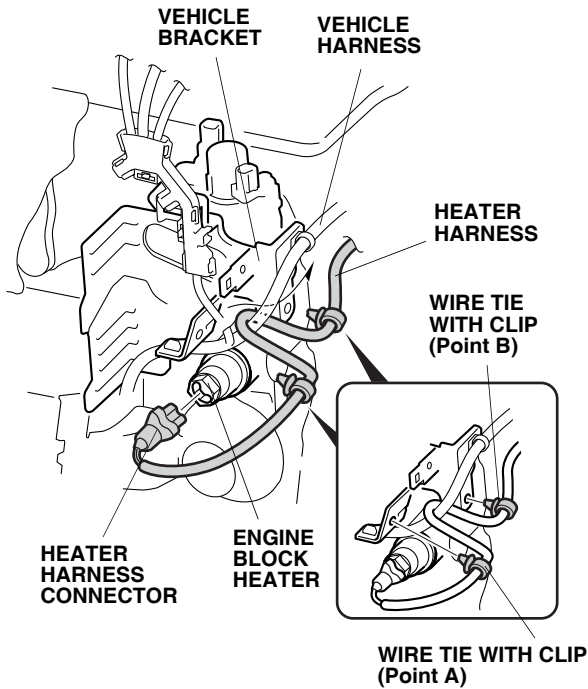


14. Install the engine block heater with one aluminum washer into the engine block using a 24 mm socket and a 100 mm extension. Torque the engine block heater to 60 N·m (44 lbf·ft). Using an extension longer than 100 mm will give you an incorrect torque.

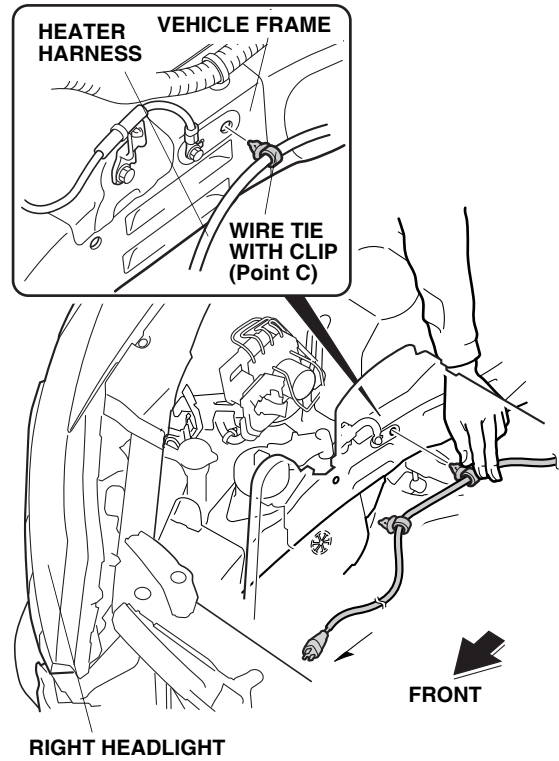


ENGINE BLOCK HEATER
60 N·m (44 lbf·ft)
Use a 24 mm socket.

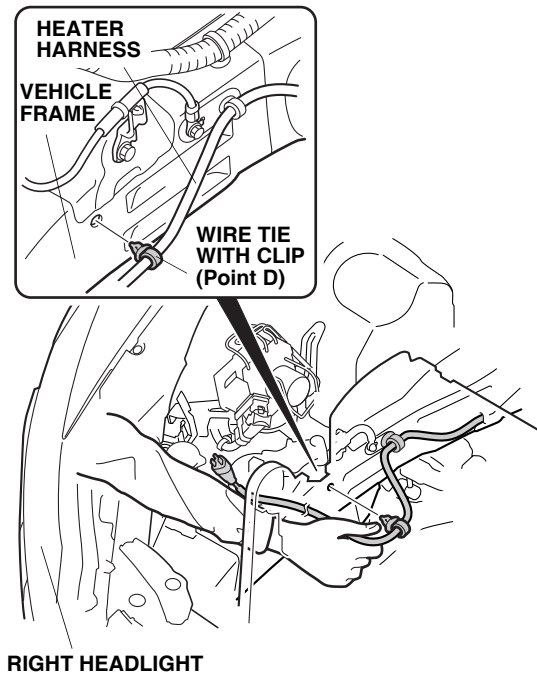
15. Plug the heater harness connector into the engine block heater. Route the heater harness under the vehicle harness, and secure two wire ties with clip (points A and B) to the vehicle bracket.



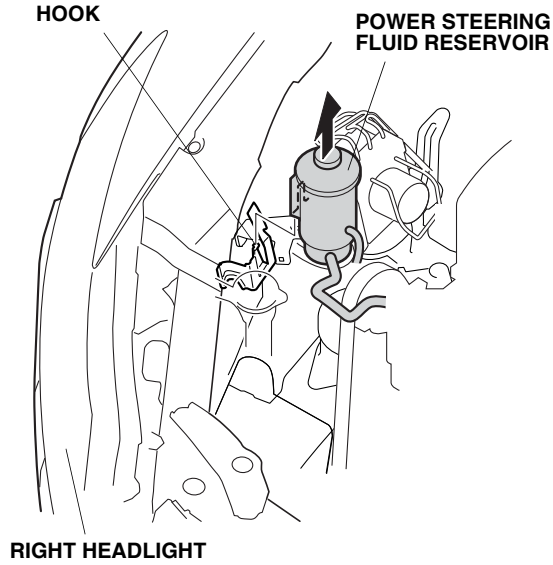
16. Route the heater harness as shown, and secure one wire tie with clip (point C) to the vehicle frame.



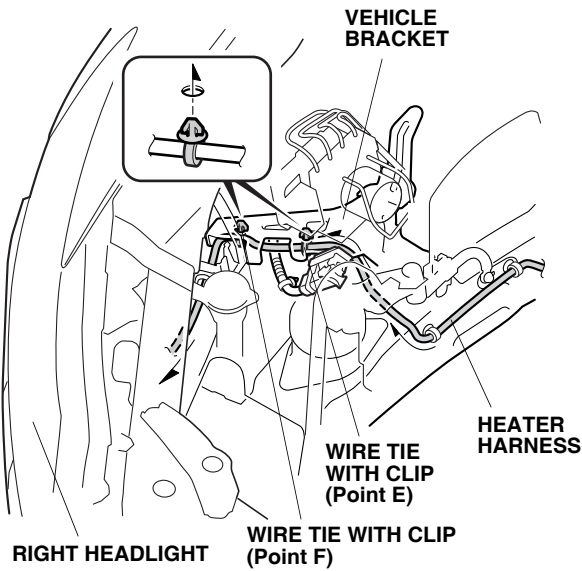
17. Route the heater harness forward, and secure one wire tie with clip (point D) to the vehicle frame.



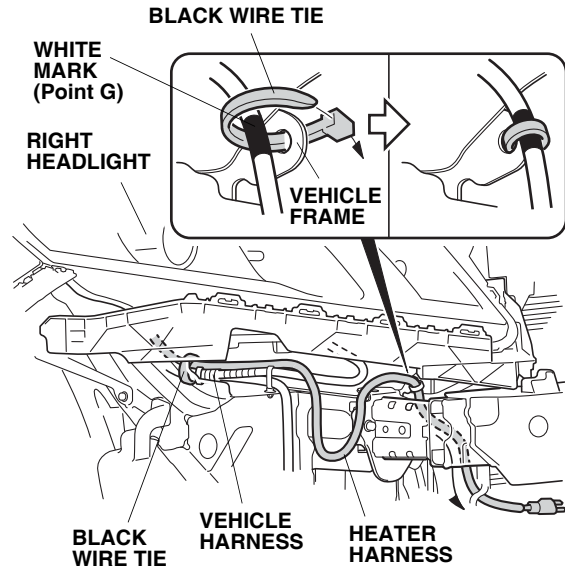
18. Release the power steering fluid reservoir (one hook). To prevent oil leakage, be careful not to tilt the power steering reservoir.



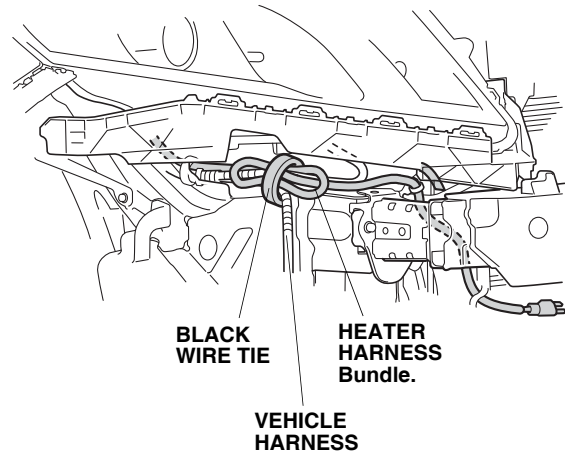
19. Route the heater harness as shown, and secure two wire ties with clip (points E and F) to the vehicle bracket.



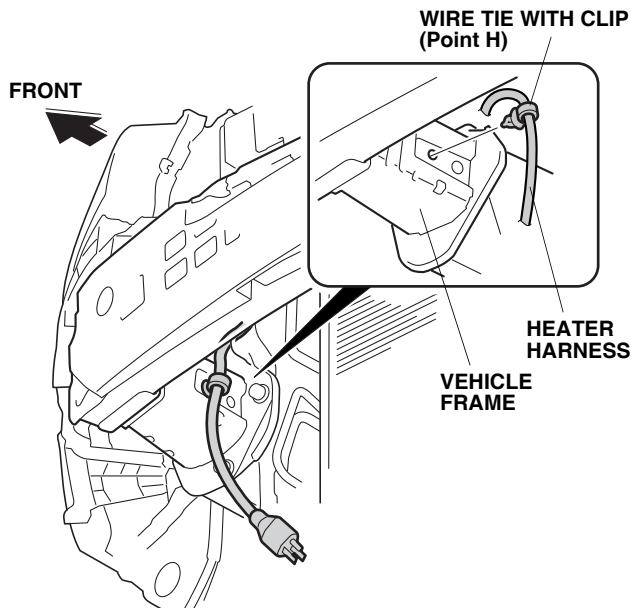
20. Route the heater harness under the right headlight, and secure it to the vehicle harness with one black wire tie.



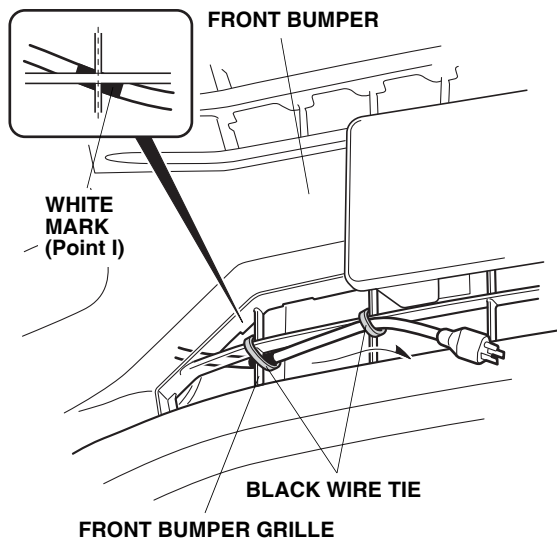
21. Secure the heater harness (point G) to the vehicle frame with one black wire tie.
22. Bundle up the excess heater harness, and secure it to the vehicle harness with one black wire tie.



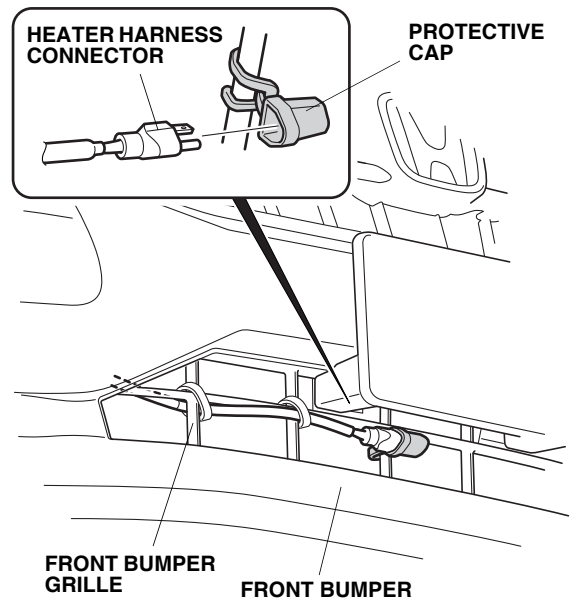
- Route the heater harness down, and secure one wire tie with clip (point H) to the vehicle frame.



- With the help of an assistant, reinstall the front bumper. Align the heater harness (point I) to the front bumper grille, and secure the heater harness to the front bumper grille with two black wire ties.



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



- Reinstall all removed parts except for the radiator cap.
- Reinstall the radiator drain plug.
- Fill the system with the recommended coolant. Follow the instructions described in the service manual to fill and bleed the cooling system.
- Check the coolant reservoir for correct level and check the cooling system for signs of leakage. Repair as necessary.
- Reinstall the radiator cap.
- Check that the heater harness is routed properly and all connectors are plugged in.
- Put the drain plug (removed in step 13) in the glove box.
- Reconnect the negative cable to the battery.
- Turn the ignition key on, and verify that the malfunction indicator lamp and VSA system indicator comes on and stays on for about 3 seconds, and then make sure the malfunction indicator lamp and VSA system indicator goes off.
- Enter the anti-theft code for the audio unit and navigation system (if equipped), and reset the radio station presets.
- Reset the clock on vehicles without navigation.