



INSTALLATION INSTRUCTIONS

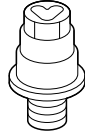
Accessory
ENGINE BLOCK HEATER
P/N 08T44-TA0-100

Application
2013 ILX
(2.4L)

Publications No.
BII 13553
Issue Date
MAY 2012

PARTS LIST

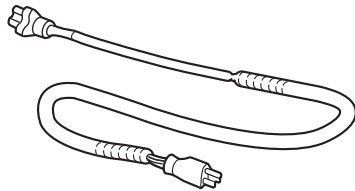
Engine block heater



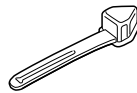
Aluminum washer



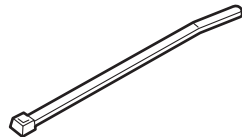
Heater harness



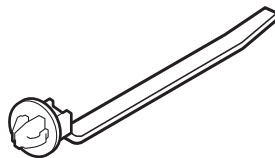
Protective cap



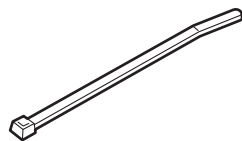
12 Black wire ties
(2 Not used)



7 Wire ties with clips
(Not used)



5 White wire ties
(3 Not used)



Coolant concentration label



TOOLS AND SUPPLIES REQUIRED

Phillips screwdriver

Ratchet

10 mm and 24 mm Sockets

Torque wrench

Diagonal cutters

Heavy gloves

Drain pan

Ruler

White marker

Coolant (Acura Long-Life Antifreeze/Coolant Type 2)

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

Blanket

Drill

3 mm and 5 mm Drill bits

10 mm Hex wrench

Pushpin

Fender cover

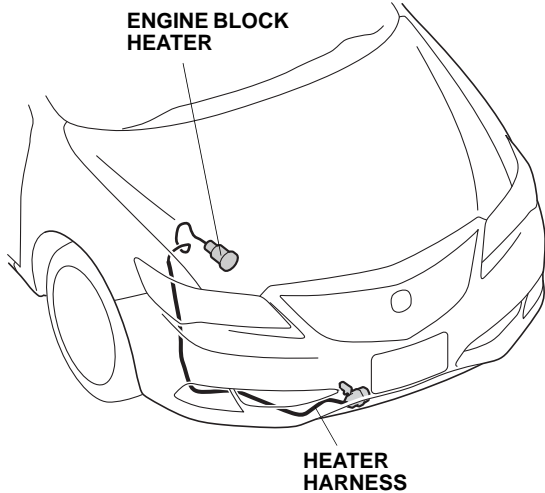
Tape

File

The following tool is available through the Honda Tool and Equipment Program. On the iN, click on: Service > Service Bay > Tool and Equipment Program, then enter the number under "Search". Or, call 888-424-6857.

Trim Tool Set (T/N SOJATP2014)

Illustration of the Engine Block Heater in the Vehicle



INSTALLATION

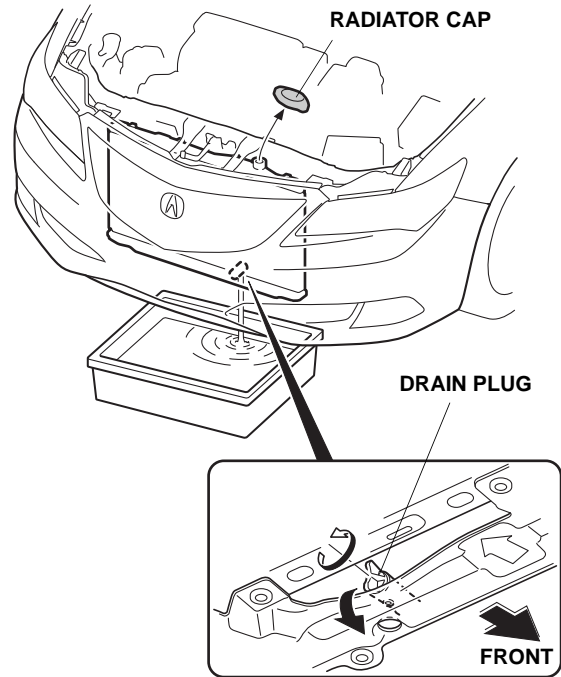
Client Information: The information in this installation instruction is intended for use only by skilled technicians who have the proper tools, equipment, and training to correctly and safely add equipment to your vehicle. These procedures should not be attempted by “do-it-yourselfers.”

NOTE:

- Always use Acura Long-Life Antifreeze/Coolant Type 2. Using a non-Acura 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 the coolant.
 - Increase the coolant concentration to $60 \pm 2\%$ by following steps 33 through 35.
1. Disconnect the negative cable from the battery.
 2. Allow the engine and all cooling system components to cool down.
 3. Place the vehicle on a hoist and raise it off the ground.

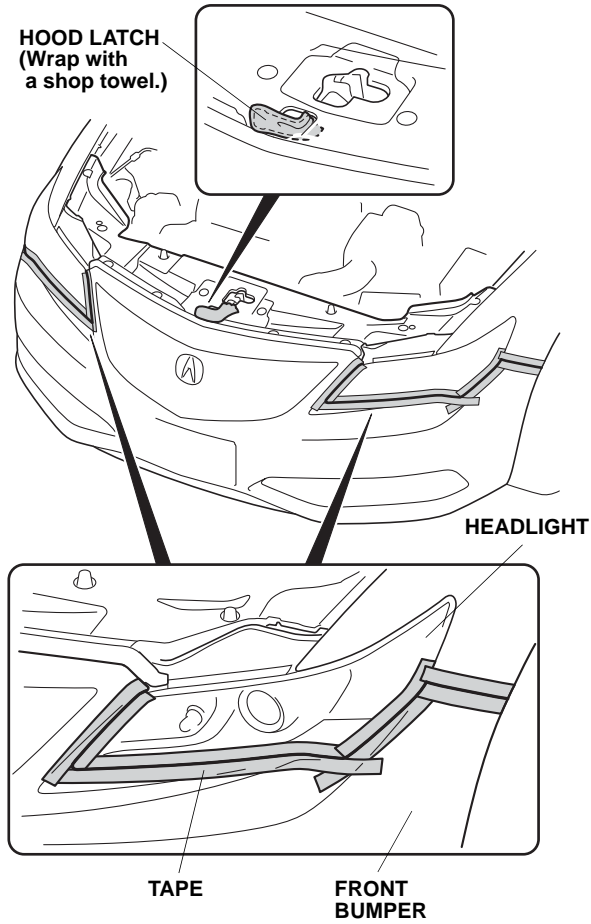
4. Place a clean drain pan under the radiator drain plug, then remove the drain plug from the bottom of the radiator to drain the coolant. Remove the radiator cap to increase the flow.

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

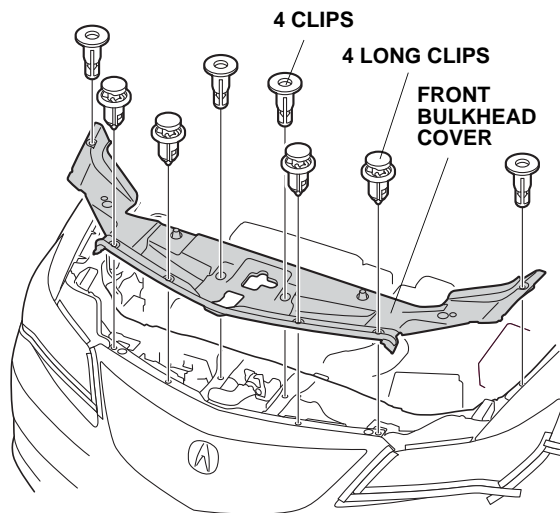


5. Drain the coolant completely, then replace the radiator cap.

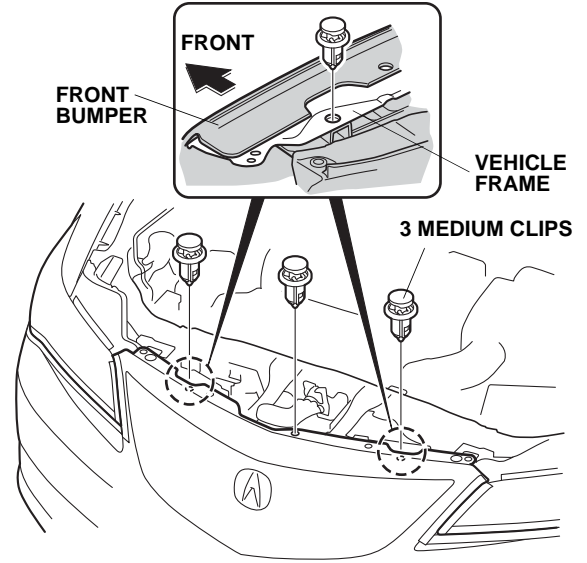
6. Remove the front bumper:
 - Attach tape to the areas shown on each side.
 - Wrap a shop towel around the hood latch.



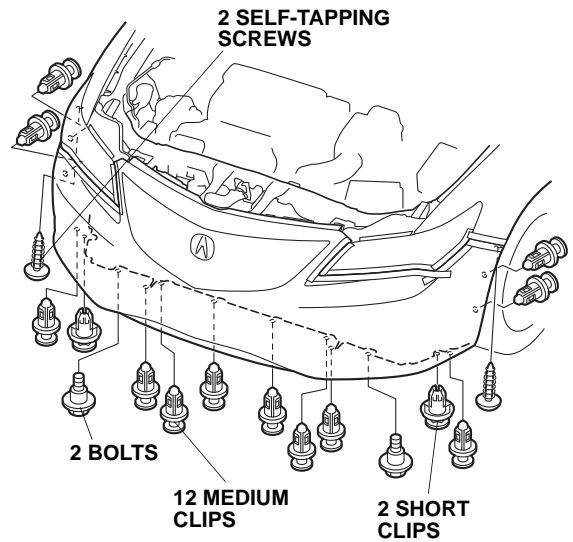
- Remove the front bulkhead cover (four clips and four long clips).



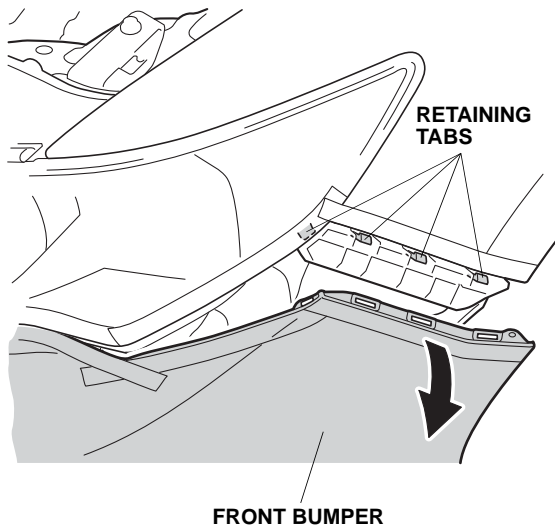
- Remove three medium clips.



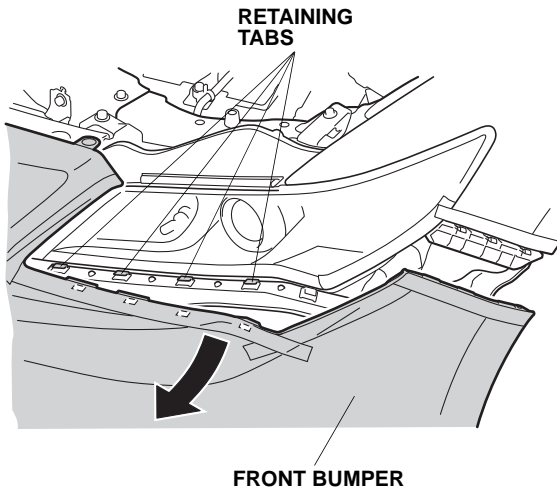
- Remove 2 self-tapping screws, 2 bolts, 2 short clips, and 12 medium clips.



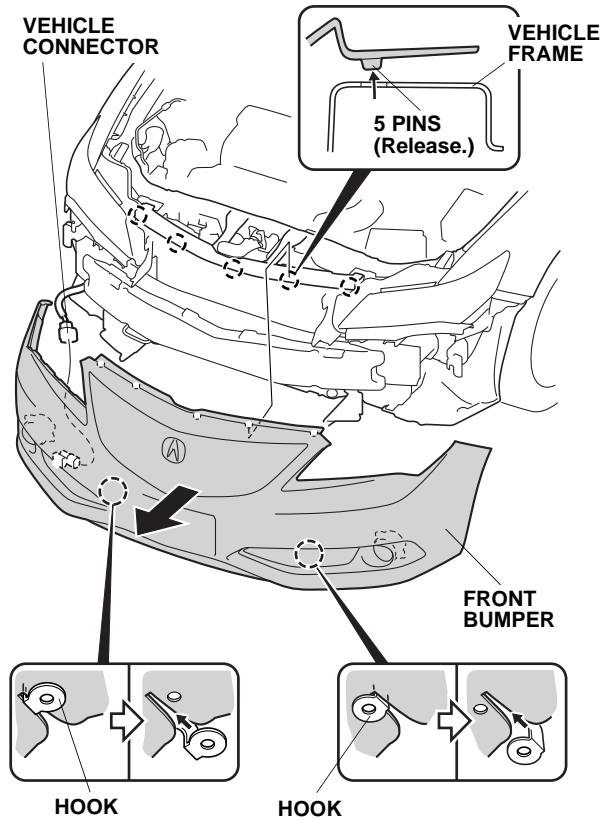
- Release four retaining tabs on each side.



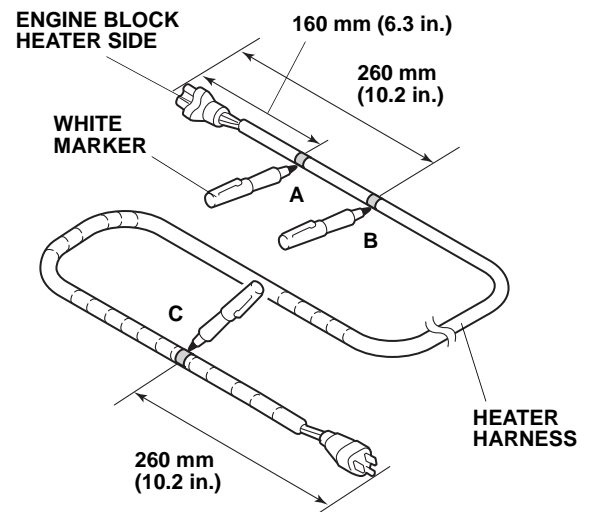
- With the help of an assistant, release four retaining tabs on each side.



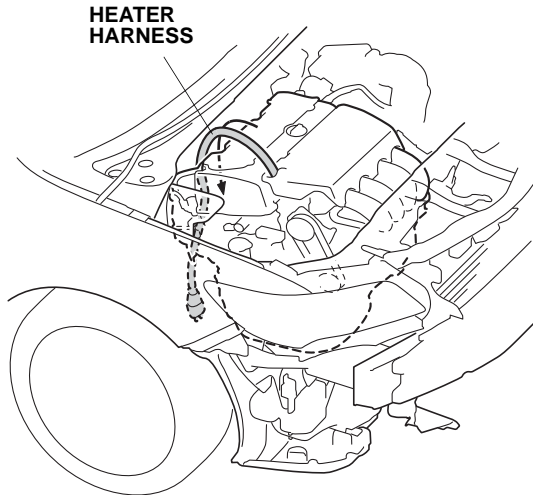
- With the help of an assistant, remove the front bumper (unplug the vehicle connector, then release five pins and two hooks). Place the front bumper on a blanket to prevent damage.



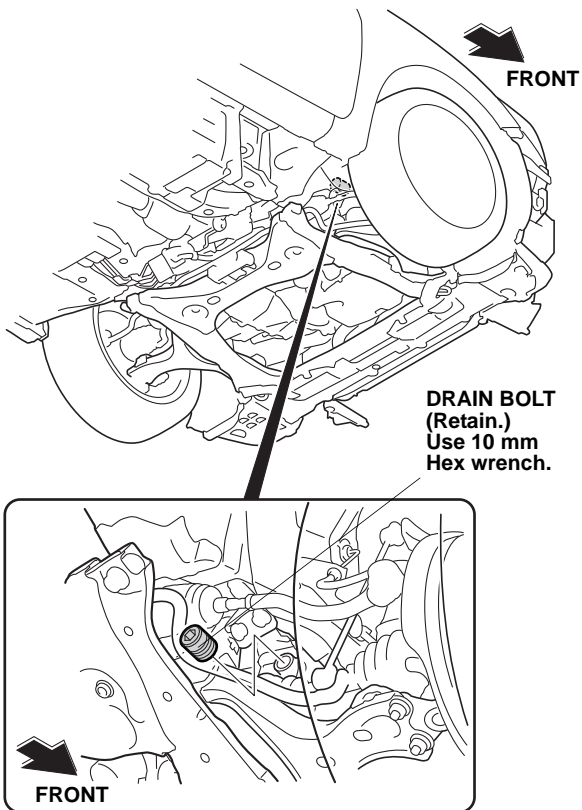
7. Using a ruler, measure the heater harness and mark it at the A, B and C measurements shown.



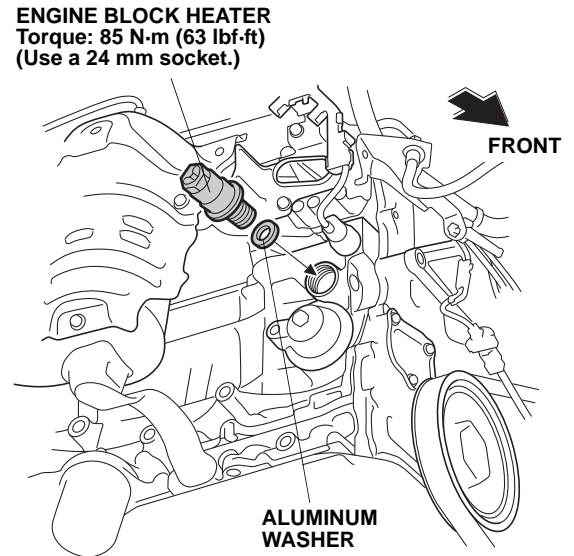
8. Route the heater harness as shown.



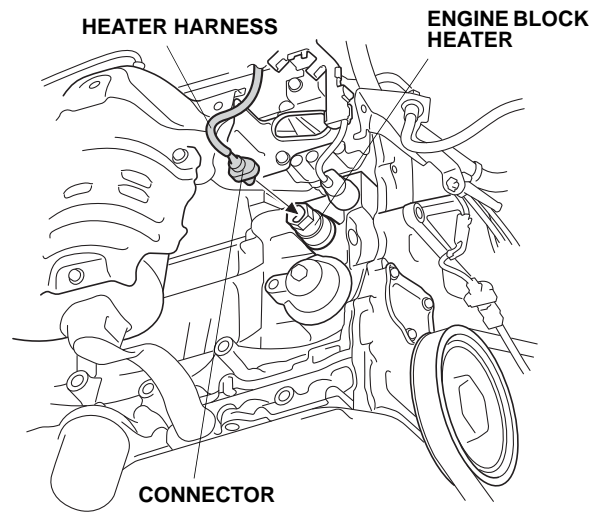
9. Remove the drain bolt. Coolant remaining in the engine jackets flows out of the hole when the bolt is removed. Retain the bolt; it will be used if the block heater is removed.



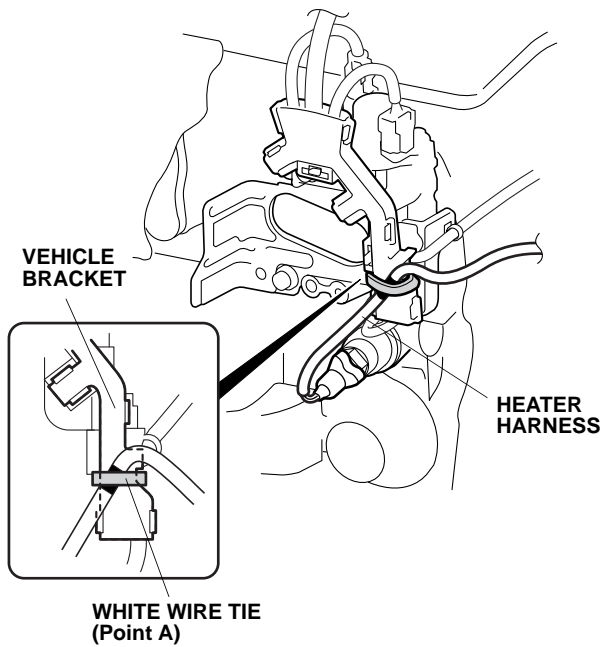
10. Install the engine block heater with the aluminum washer into the bolt hole using a 24 mm socket and a torque wrench. Torque the engine block heater to 85 N·m (63 lbf·ft). (Use a 24 mm socket.)



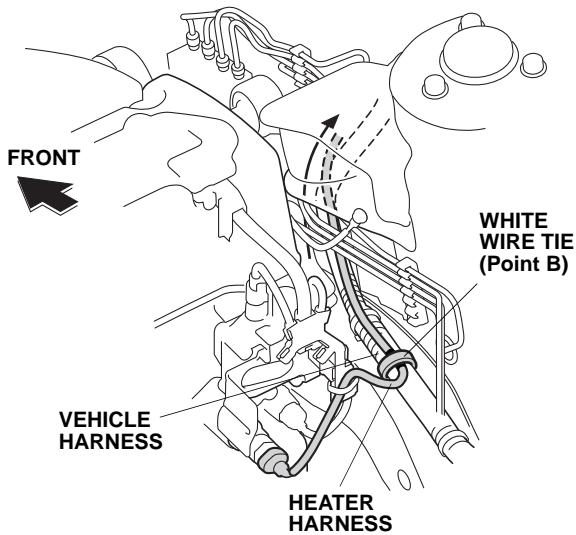
11. Plug the heater harness connector into the engine block heater. Make sure the heater harness connector is fully seated.



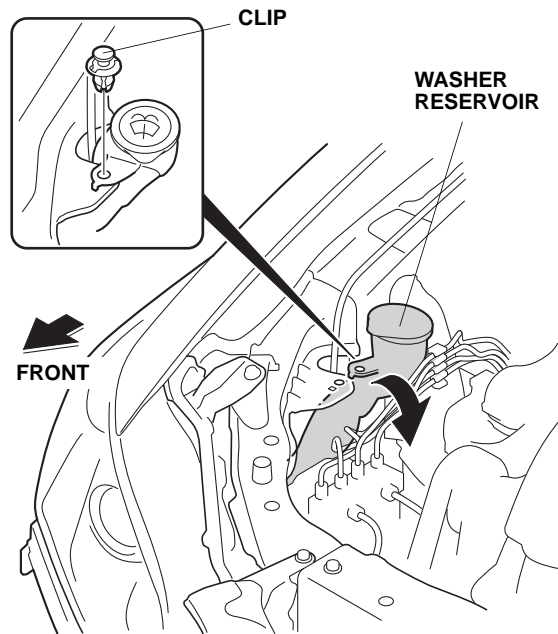
12. Secure the heater harness to the vehicle bracket with one white wire tie at the white mark (point A).



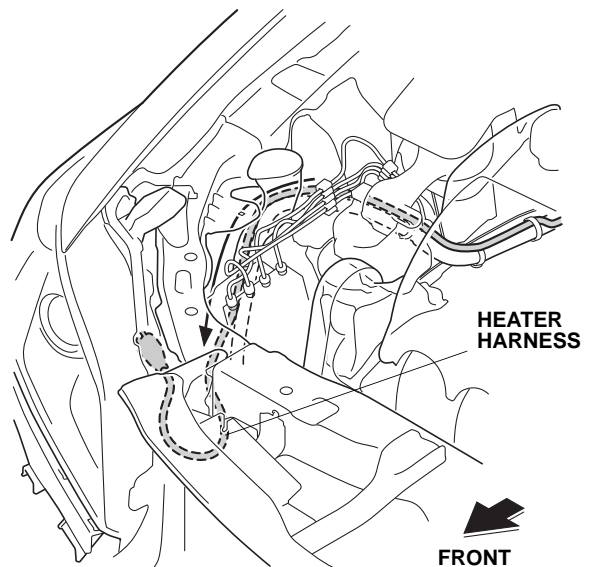
13. Route the heater harness as shown. Secure the heater harness to the vehicle harness with one white wire tie at the white mark (point B).



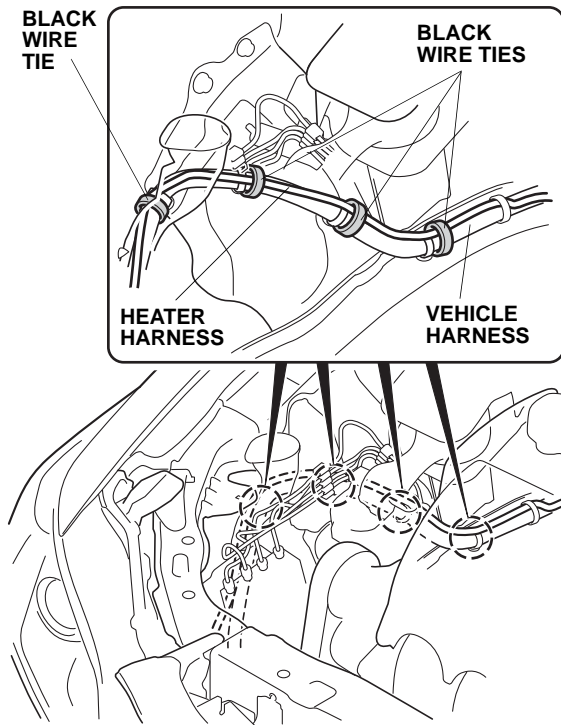
14. Remove the clip, then move the washer reservoir out of the way.



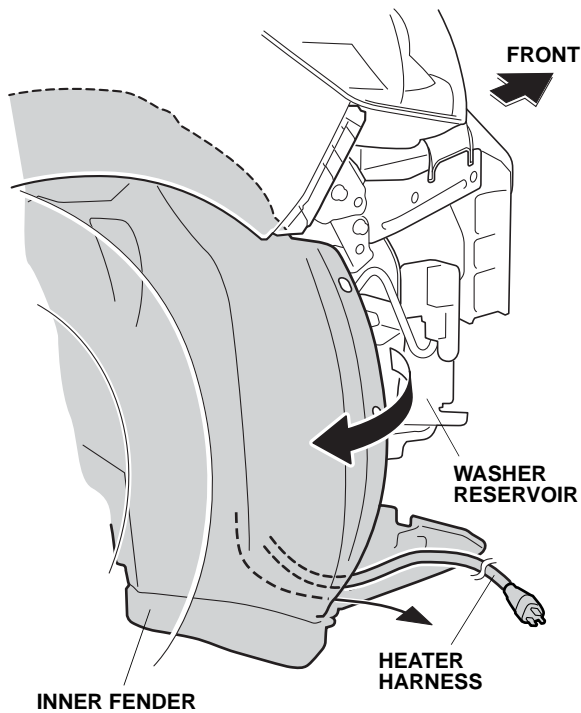
15. Route the heater harness toward the front of the vehicle and behind the washer reservoir. Continue routing the harness through the front bulkhead, and down into the bumper area.



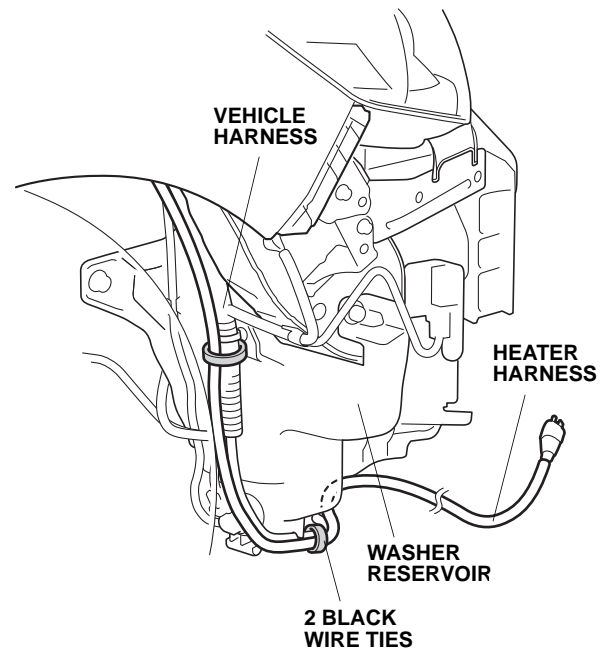
16. Using four black wire ties, secure the heater harness to the vehicle harness.



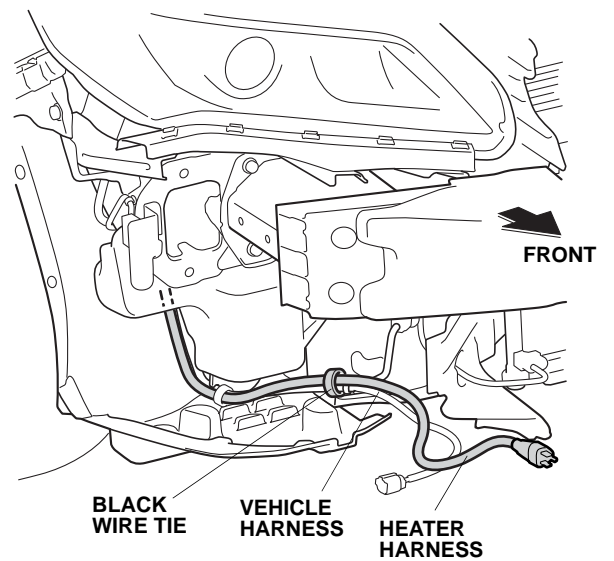
17. Pull the inner fender away from the washer reservoir, then route the heater harness as shown.



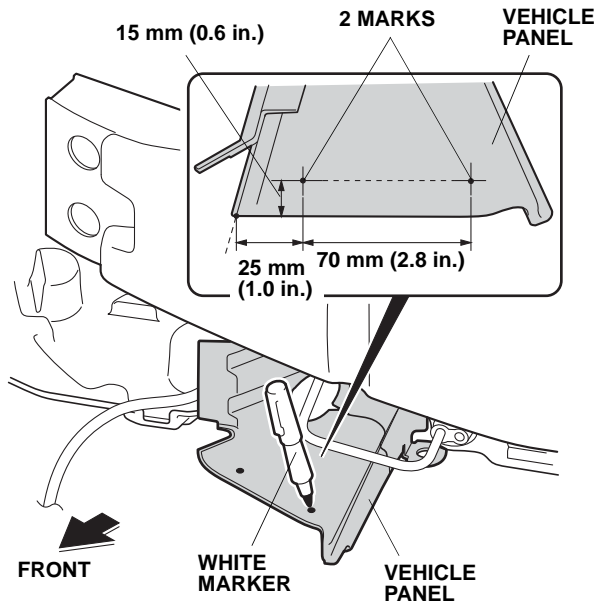
18. Using two black wire ties, secure the heater harness to the vehicle harness as shown.



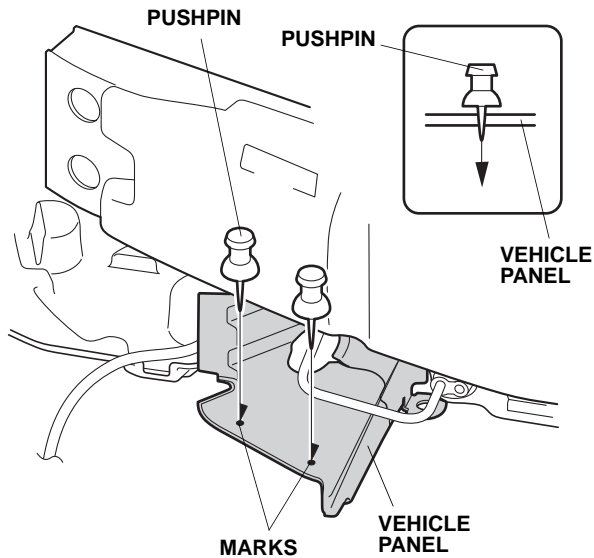
19. Using one black wire tie, secure the heater harness to the vehicle harness.



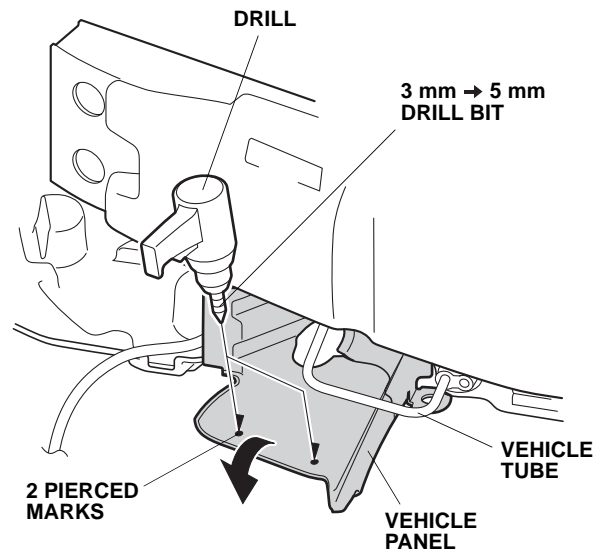
20. Using a white marker, mark the vehicle panel at the measurements shown.



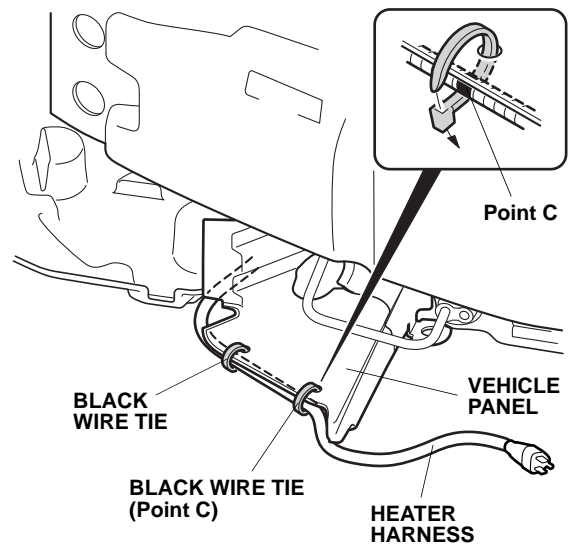
21. Using a pushpin, pierce the two marks on the vehicle panel.



22. While wearing eye protection, drill the two pierced marks with a 3 mm drill bit, then enlarge the holes with a 5 mm drill bit. Remove any burrs. Do not damage the vehicle tube.

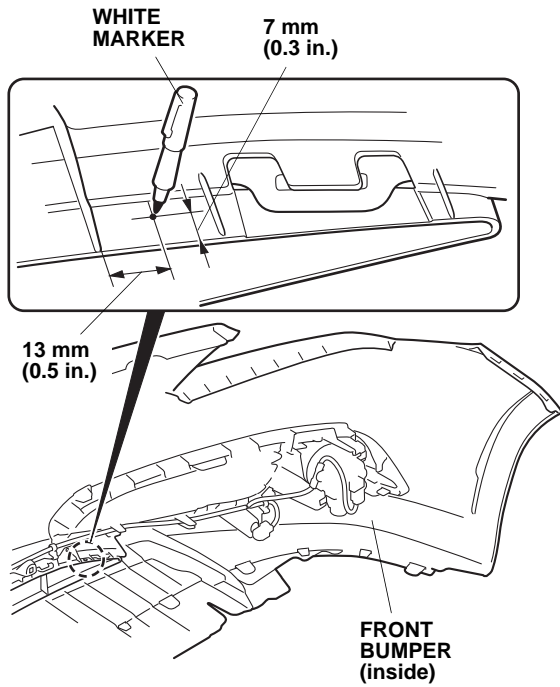


23. Secure the heater harness to the vehicle panel hole with one black wire tie at the white mark (point C).

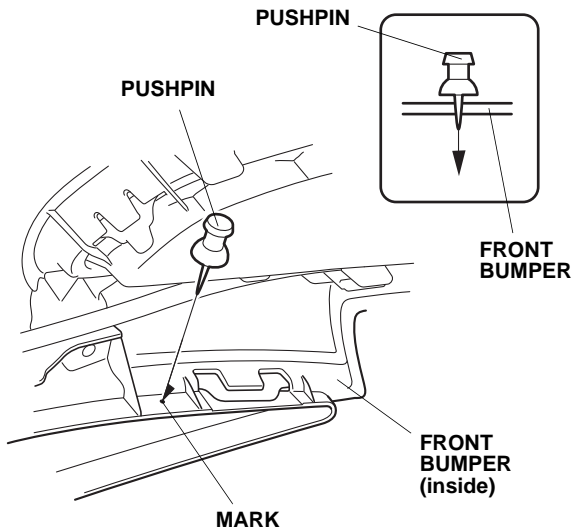


24. Secure the heater harness to the vehicle panel hole with one black wire tie as shown.

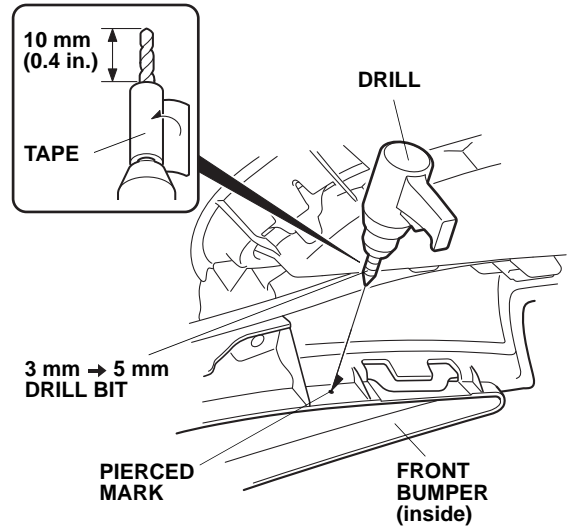
25. Using a white marker, mark the front bumper at the measurements shown.



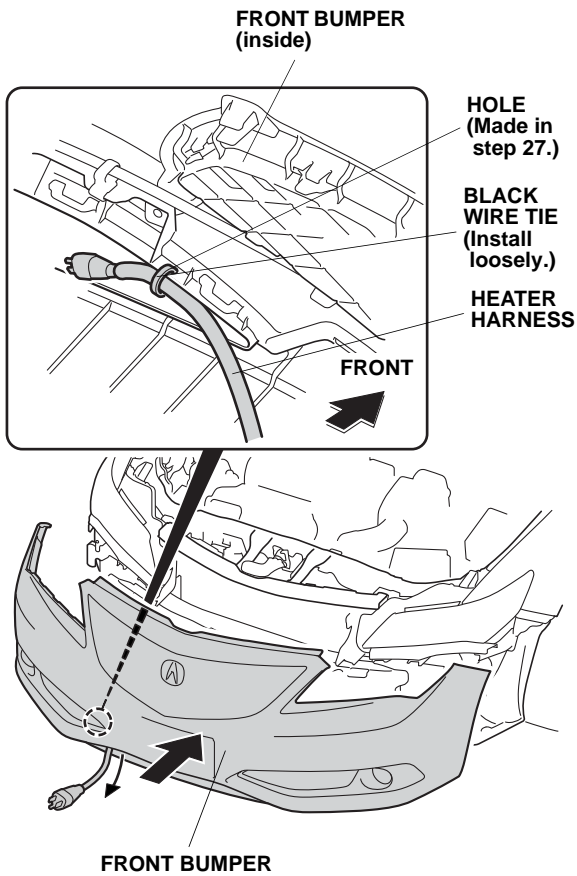
26. Using a pushpin, pierce the mark on the front bumper.



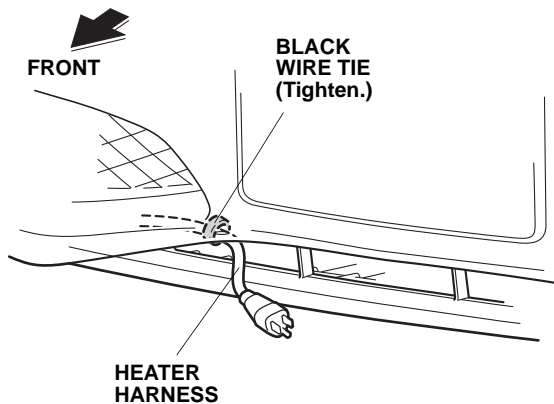
27. While wearing eye protection, drill the pierced mark with a 3 mm drill bit, then enlarge the hole with a 5 mm drill bit. Remove any burrs. To prevent drilling through the outer panel, wrap tape around the drill bit 10 mm (0.4 in.) away from the tip, or use a drill stop.



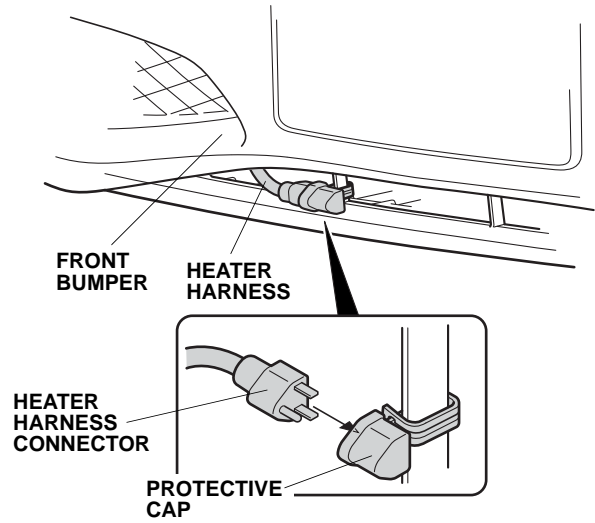
28. With the help of an assistant, bring the front bumper close to the vehicle. Attach the heater harness to the drilled hole in the front bumper with one loosely-installed black wire tie, then reinstall the front bumper.



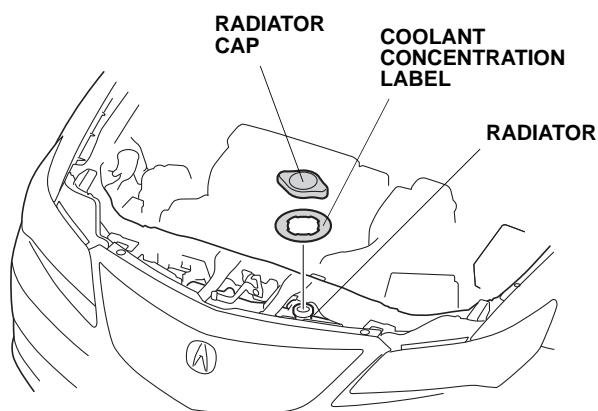
29. Tighten the black wire tie installed in step 28.



30. Attach the protective cap to the front bumper. Plug the heater harness connector into the protective cap.



31. Reinstall all removed parts except for the radiator cap.
32. Reinstall the radiator drain plug.
33. Pour 1.3 liters of undiluted (100%) coolant into the radiator.
34. Fill the radiator to the top with a 50/50 coolant mixture.
35. Follow the instructions in the service manual to test the cooling system and check for leaks, especially around the engine block heater.
36. Install the coolant concentration label on the radiator as shown.



37. Reinstall the radiator cap.
38. Make sure the heater harness is routed properly and all connectors are plugged in.
39. Put the drain bolt (removed in step 9) 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 navi (if equipped) system functions.
42. Reset the clock.