

PARTS LIST

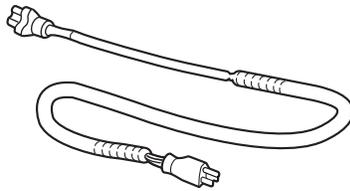
Engine block heater



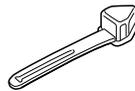
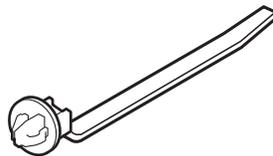
Aluminum washer



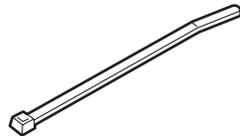
Heater harness



Protective cap

12 Black wire ties
(4 Not used)7 Wire ties with clip
(6 Not used)

5 Wire ties (Natural)

**TOOLS AND SUPPLIES REQUIRED**

Phillips screwdriver

Ratchet

8 mm, 10 mm, 19 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 goggles, etc.)

Blanket

Drill

3 mm and 5 mm Drill bits

5 mm Hex wrench

Pushpin

Fender cover

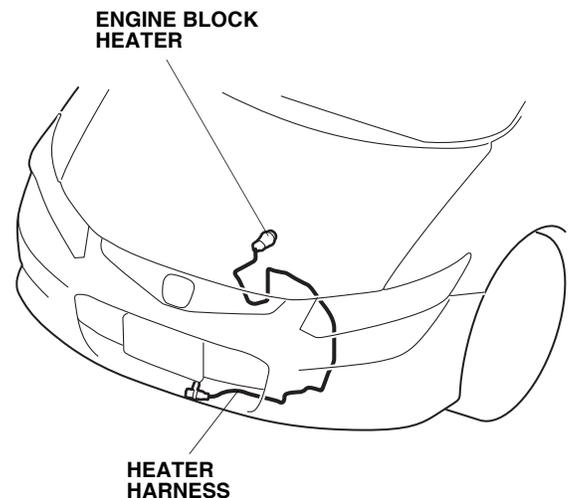
Tape

File

Shop towel

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 on the Vehicle

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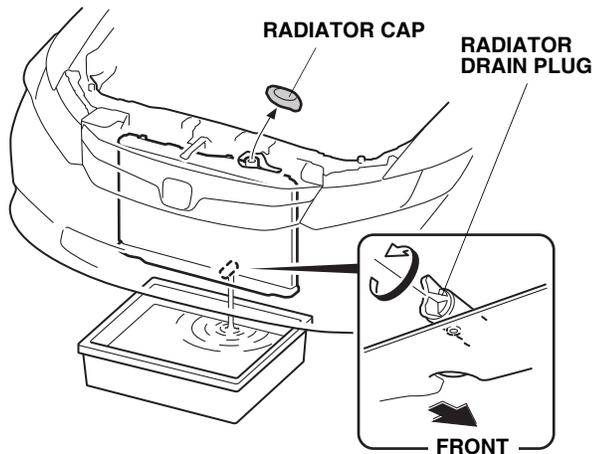
INSTALLATION

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 the 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.

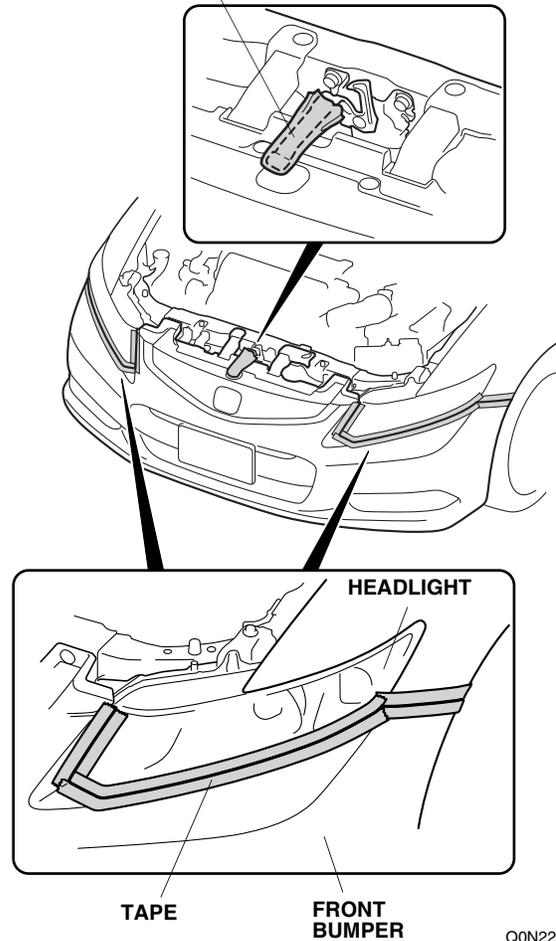


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4. Drain the coolant completely, then reinstall the radiator cap.

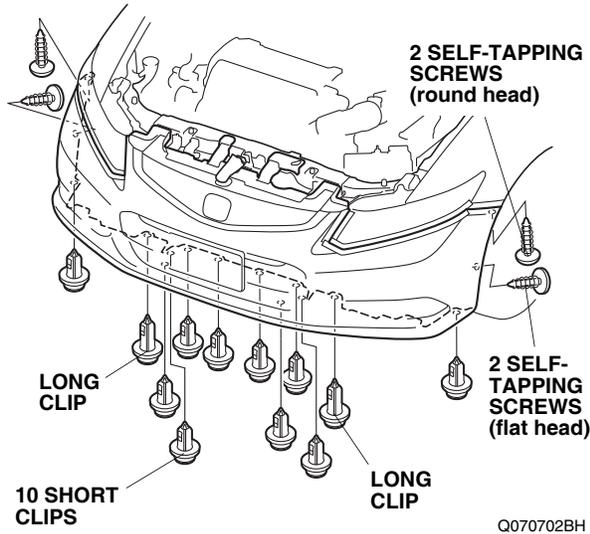
5. Remove the front bumper:
 - On each side, attach tape to the areas shown.
 - Wrap a shop towel around the hood latch.

HOOD LATCH
(Wrap with a shop towel.)

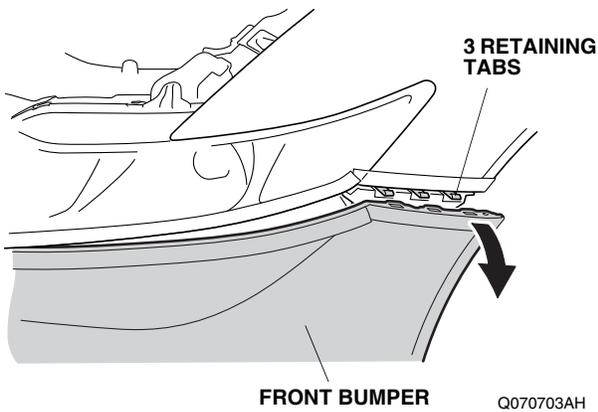


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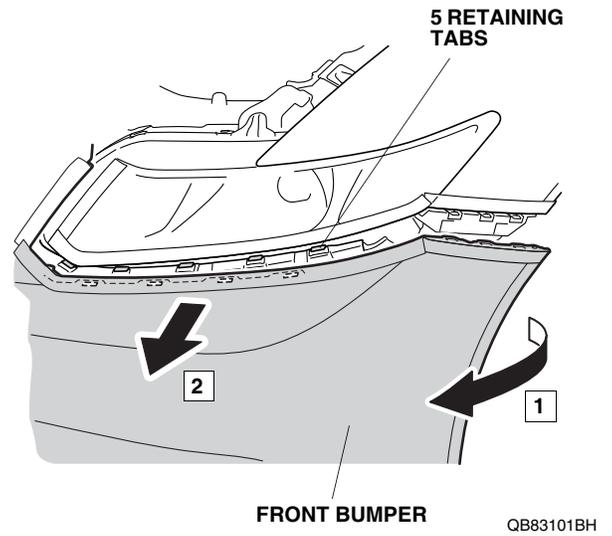
- Remove the four self-tapping screws, ten short clips, and two long clips. Note the location of the long clips.



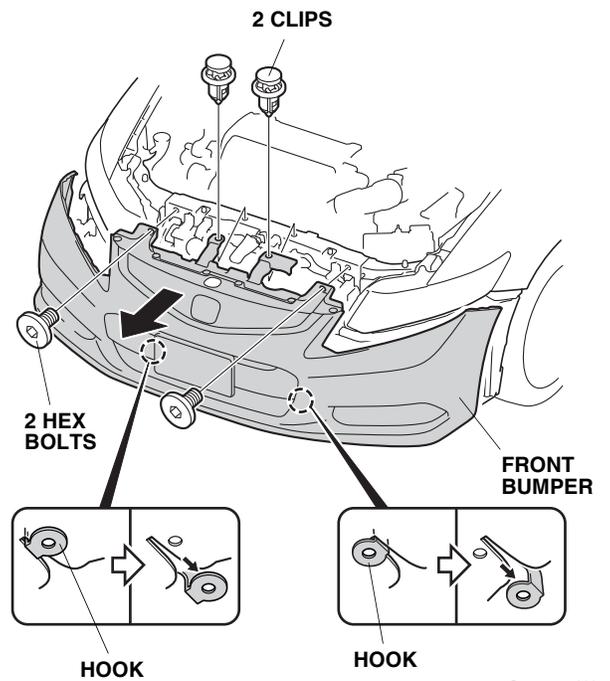
- On each side, release three retaining tabs.



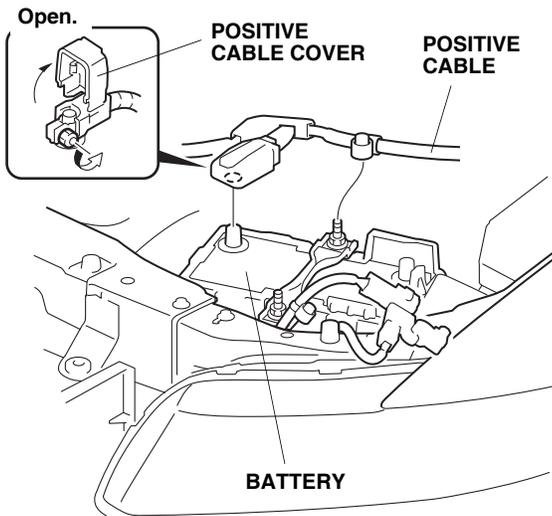
- On each side, release five retaining tabs.



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

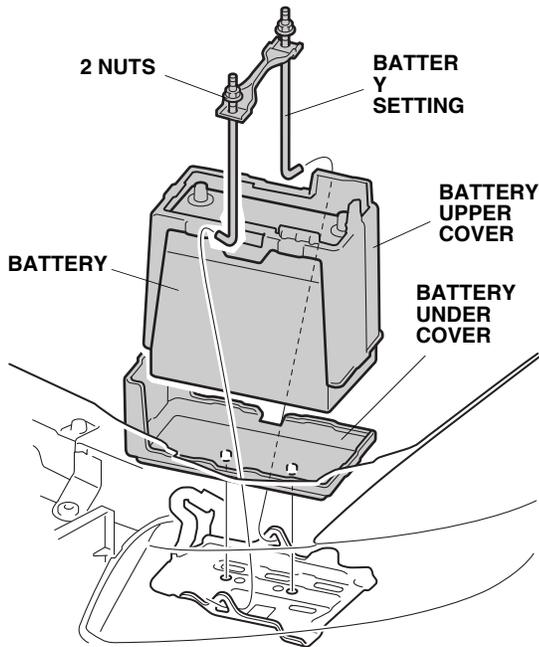


- Open the positive cable cover and disconnect the positive (+) battery cable from the battery.



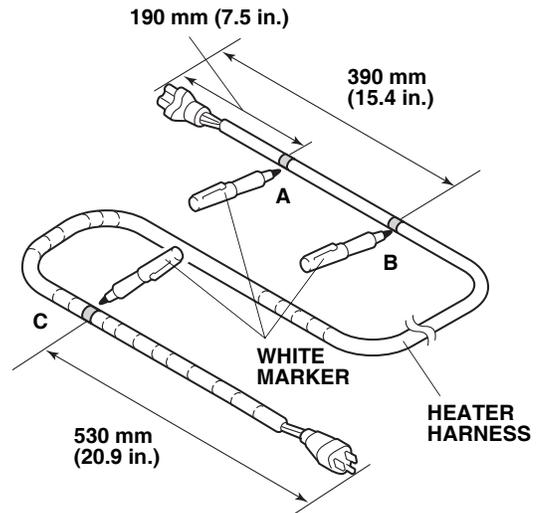
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- Remove the battery (two nuts, battery setting plate, battery upper cover, battery, and battery under cover).



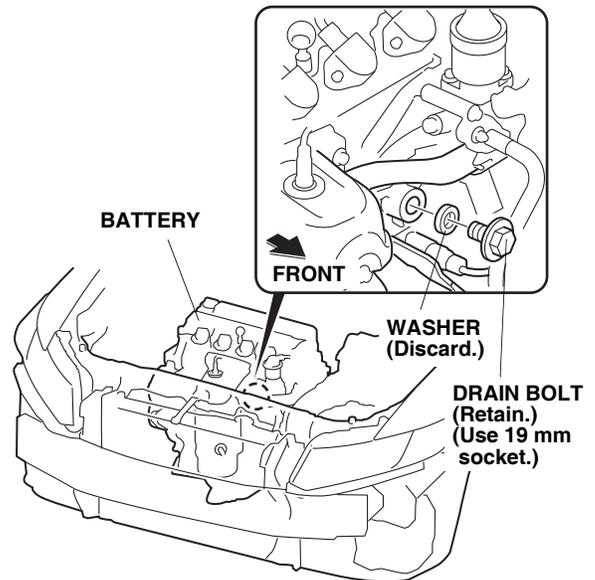
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- Get the heater harness. Using a tape measure, measure and mark the heater harness at the measurements A, B, and C.



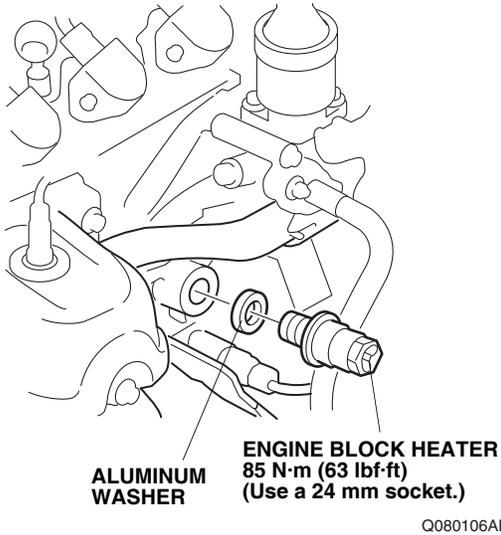
Q080104CR

- Locate and remove the drain bolt and washer. 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. NOTE: Use a new washer if the drain bolt is reinstalled.

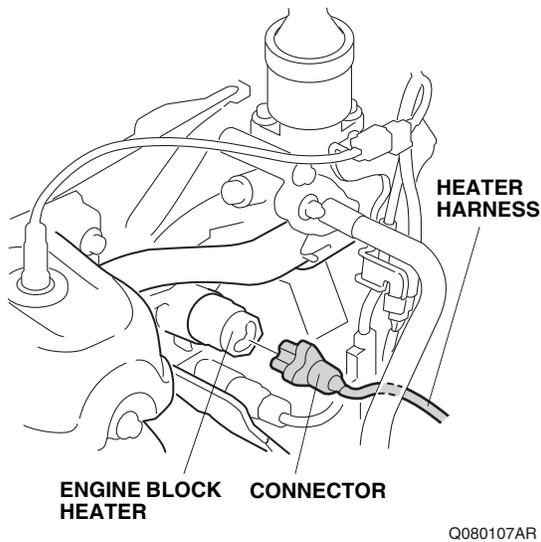


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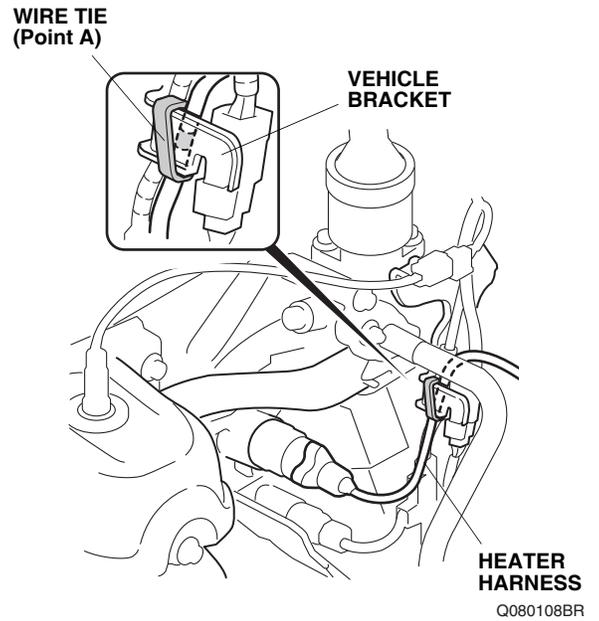
10. Install the engine block heater with aluminum washer into the bolt hole using a 24 mm socket and a torque wrench. Torque the engine block heater to 85 N·m (63 lbf·ft).



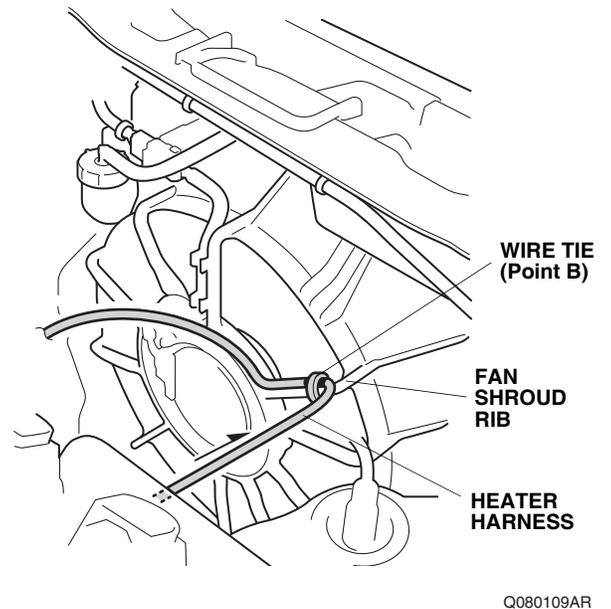
11. Plug the connector end of the heater harness into the engine block heater. Make sure the heater harness connector is fully seated in the engine block heater.



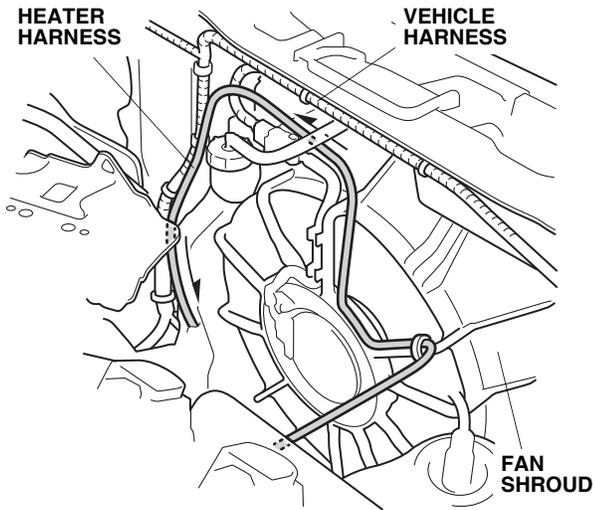
12. Secure the heater harness to the vehicle bracket with one wire tie at the white mark (point A).



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

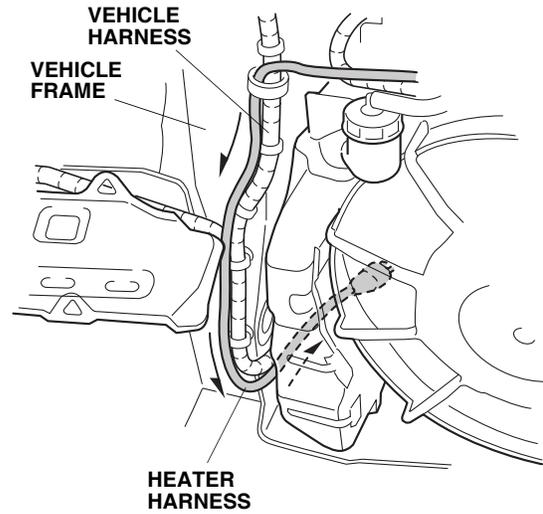


- Route the heater harness along the top of the fan shroud.



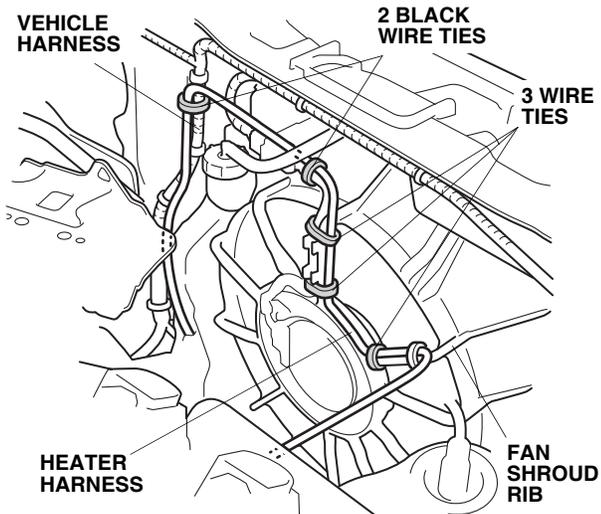
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- Route the heater harness under the vehicle frame as shown.



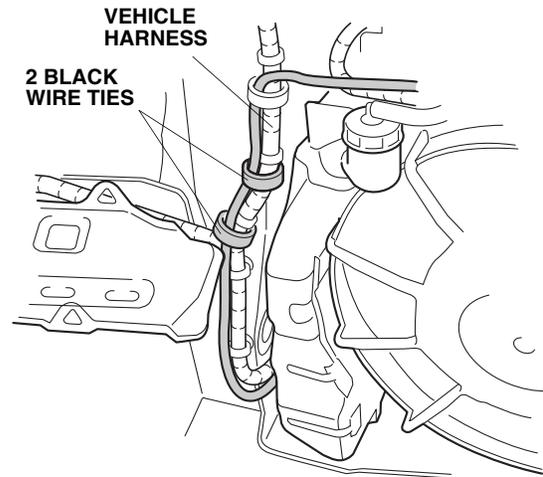
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- Using two black wire ties and three wire ties, secure the heater harness to the fan shroud rib and vehicle harness.



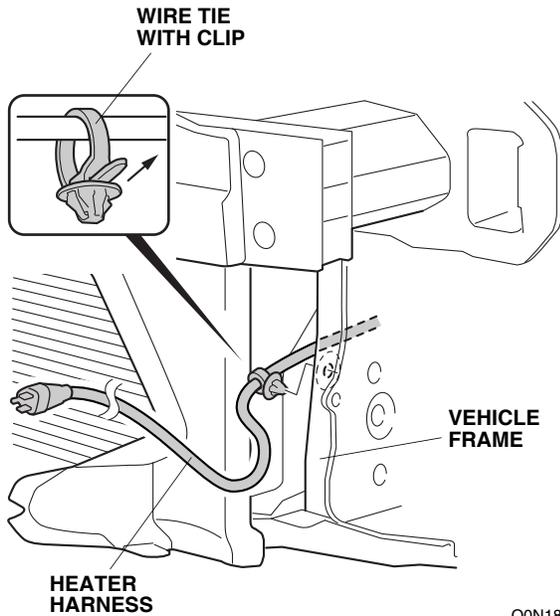
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- Using two black wire ties, secure the heater harness to the vehicle harness.

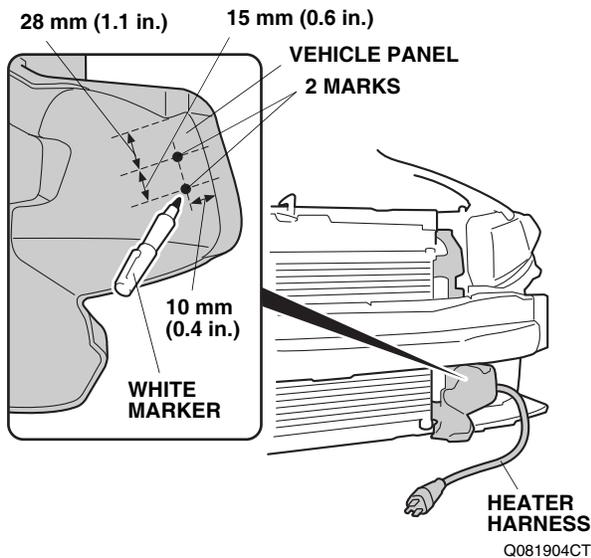


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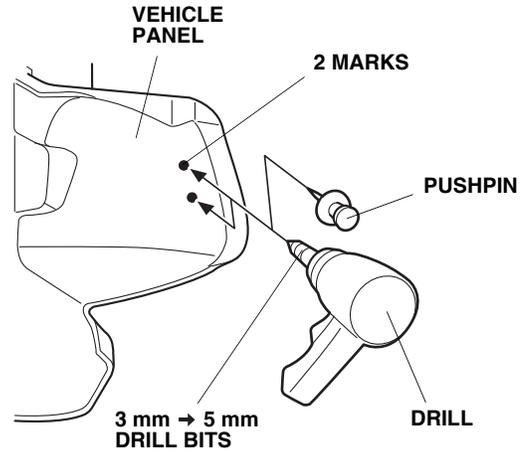
18. Route the heater harness as shown. Using one wire tie with clip, secure the heater harness to the vehicle frame.



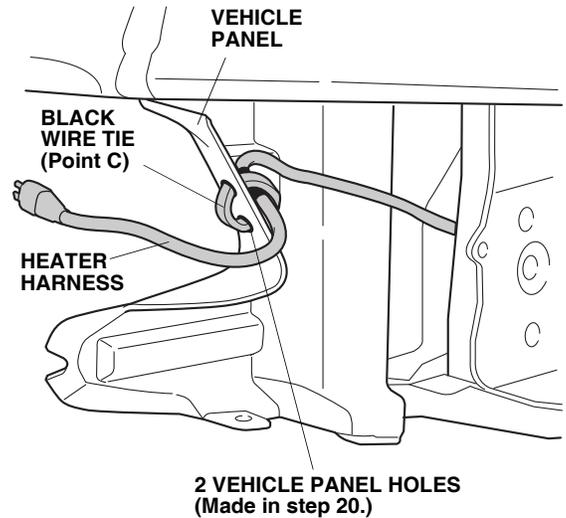
19. Using a white marker, mark the vehicle panel at the measurements shown.



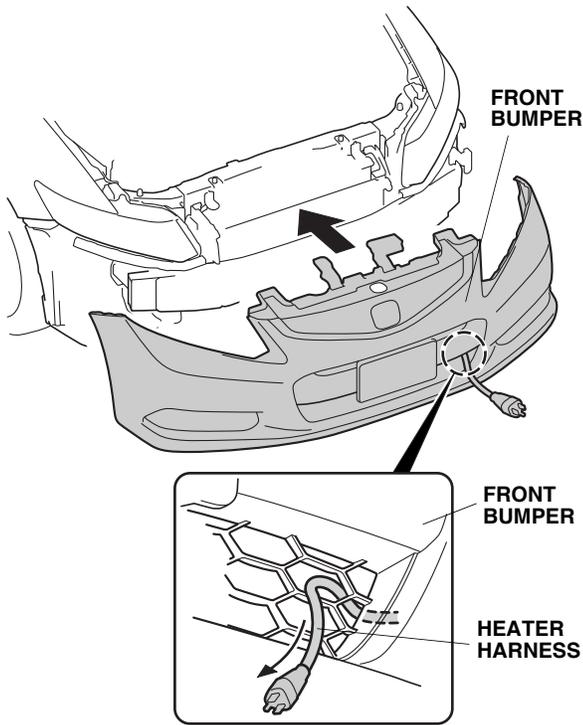
20. Using a pushpin, pierce the two marks you made into the vehicle panel at the location shown. While wearing eye protection, drill the two pierced marks with a 3 mm drill bit, then enlarge the holes with a 5 mm drill bit as shown. Remove any burrs.



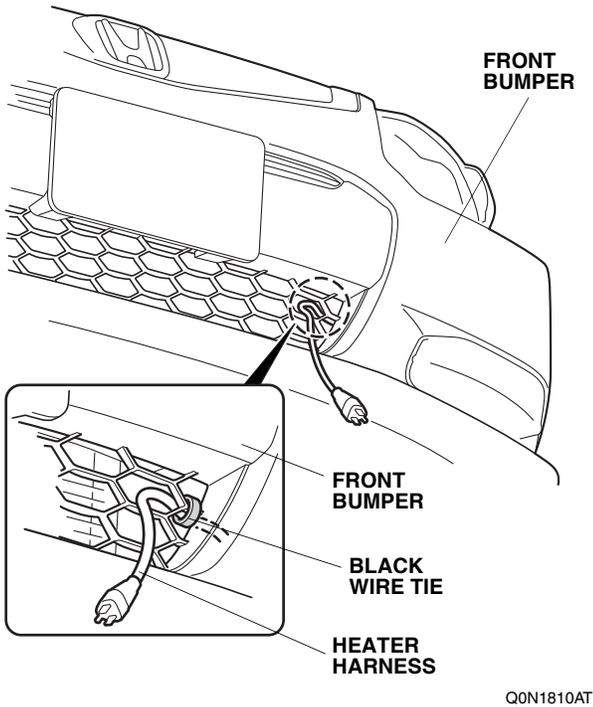
21. Secure the heater harness to the two 5 mm holes in the vehicle panel with one black wire tie at the white mark (point C).



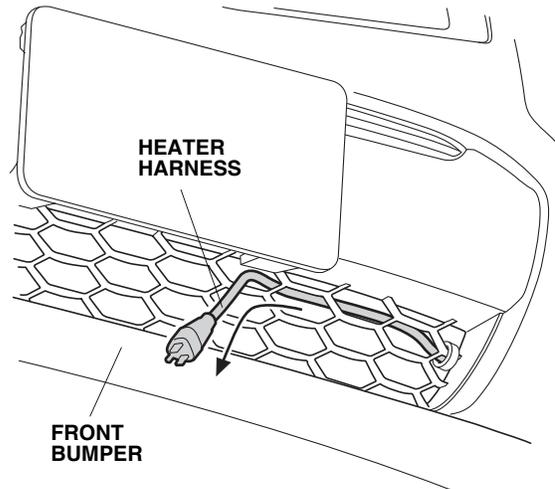
22. Route the heater harness through the front bumper as shown, then reinstall the front bumper with the help of an assistant.



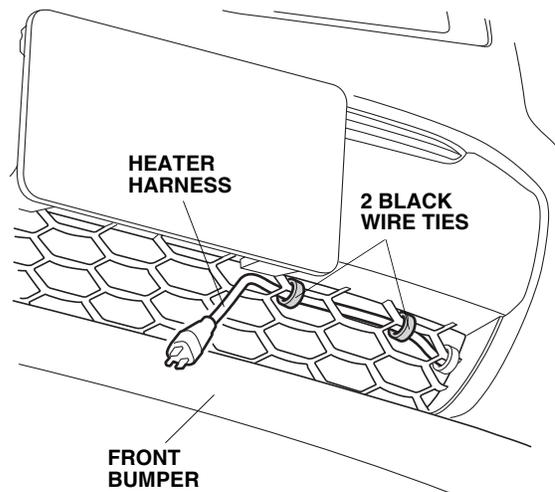
23. Using one black wire tie, secure the heater harness to the front bumper.



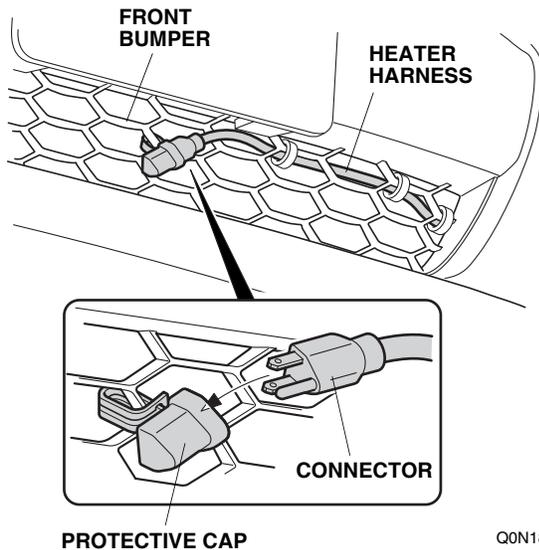
24. Route the heater harness inside the front bumper as shown.



25. Using two black wire ties, secure the heater harness to the front bumper.



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



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27. Reinstall all removed parts except for the radiator cap.
28. Reinstall the radiator drain plug.
29. Remove the radiator cap and fill the system with the recommended coolant. Follow the instructions in the service manual to fill the cooling system and check for leaks. Particularly check that there is no leak around the engine block heater.
30. Make sure that the heater harness is routed properly and all connectors are plugged in.
31. Reinstall the radiator cap.
32. Put the drain bolt (removed in step 9) in the glove box.
33. Reconnect the negative cable to the battery.
34. Press and hold the radio power button for two seconds to restore radio and navi (if equipped) system functions.
35. Reset the clock.