

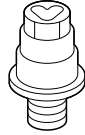


INSTALLATION INSTRUCTIONS

Accessory	Application	Publications No.
ENGINE BLOCK HEATER P/N 08T44-TA0-100	2014 CIVIC 2-DOOR Si	All 51015
		Issue Date FEB 2014

PARTS LIST

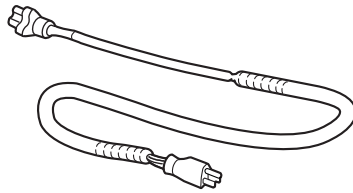
Engine block heater



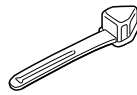
Aluminum washer



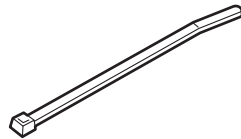
Heater harness



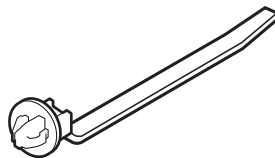
Protective cap



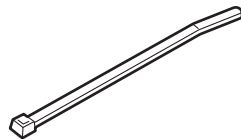
12 Black wire ties
(1 Not used)



7 Wire ties with clip
(Not used)



5 Wire ties (Natural)
(3 Not used)



Coolant concentration label



TOOLS AND SUPPLIES REQUIRED

Phillips screwdriver

Flat-tip screwdriver

Ratchet

10 mm, 12 mm, 16 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 and 10 mm Hex wrenches

Pushpin

Fender cover

Tape

Shop towel

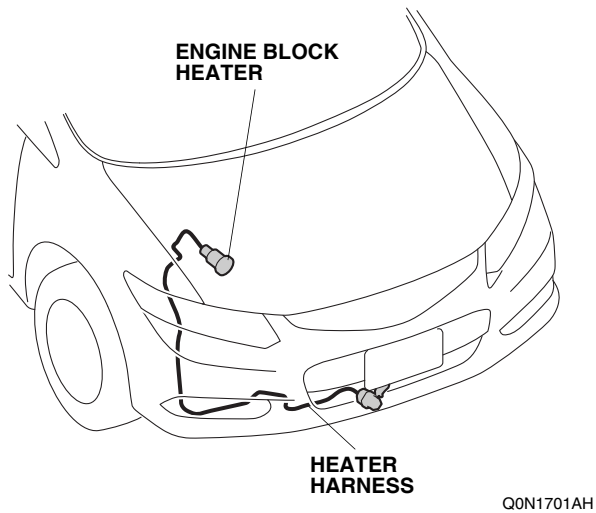
Masking tape

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 on the Vehicle



INSTALLATION

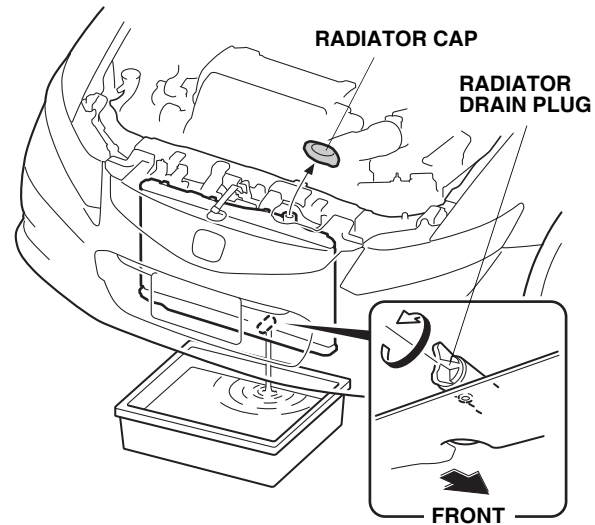
Customer Information: The information in this installation instruction is intended for use only by skilled technicians who have the proper tools, equipment, and training to correctly and safely add equipment to your vehicle. These procedures should not be attempted by “do-it-yourselfers.”

NOTE:

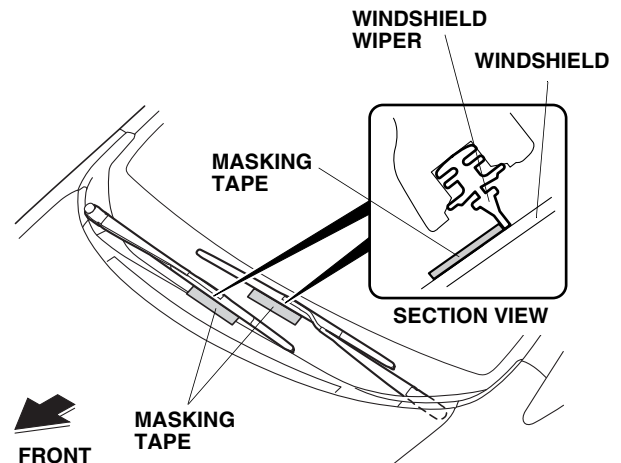
- Always use Honda All-Season Antifreeze/Coolant Type 2. Using a non-Honda coolant can result in corrosion, causing the cooling system to malfunction or fail.
 - To avoid burning out the element, do not operate the engine block heater until it is installed in the vehicle and you have added the coolant.
 - Follow steps 37 through 39 and increase the concentration rate of coolant to $60 \pm 2\%$.
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.

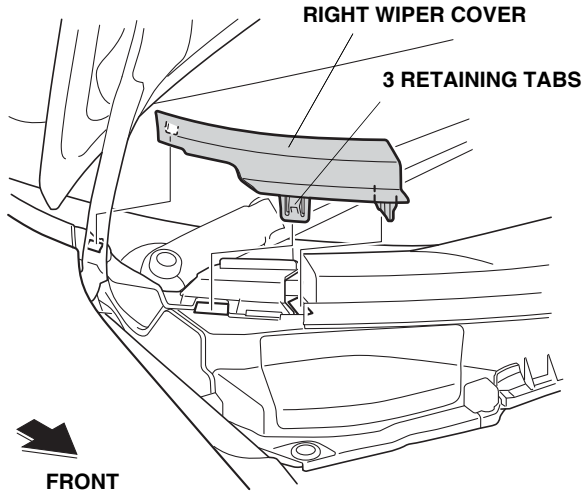
NOTICE: Radiator coolant will damage the paint. Quickly rinse any spilled coolant from the paint.



4. Drain the coolant completely, then reinstall the radiator cap.
5. Attach masking tape to the windshield below each wiper blade as shown.

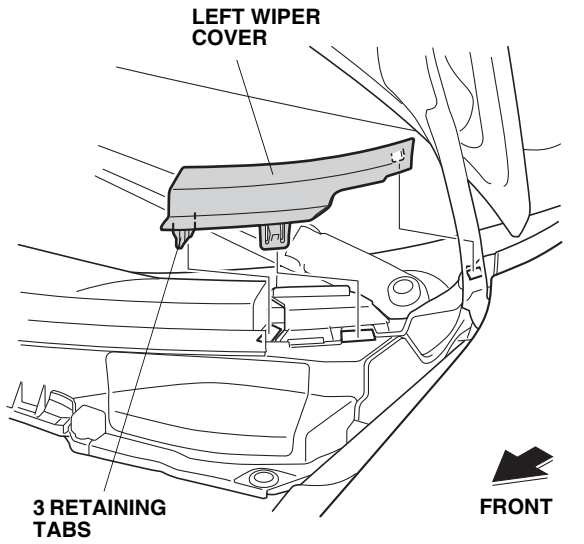


- Open the hood, and remove the right wiper cover (three retaining tabs).



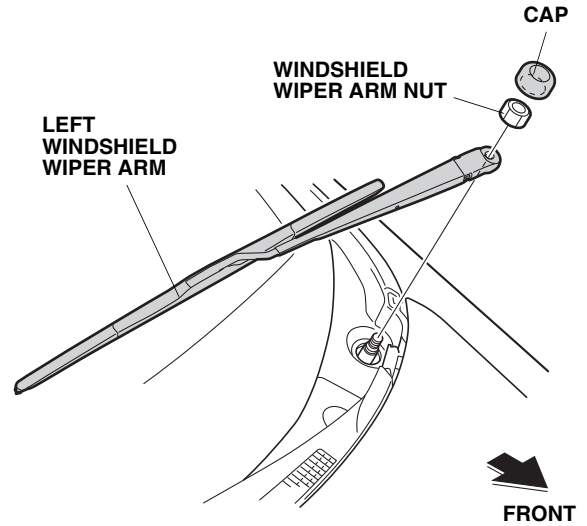
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- Remove the left wiper cover (three retaining tabs).



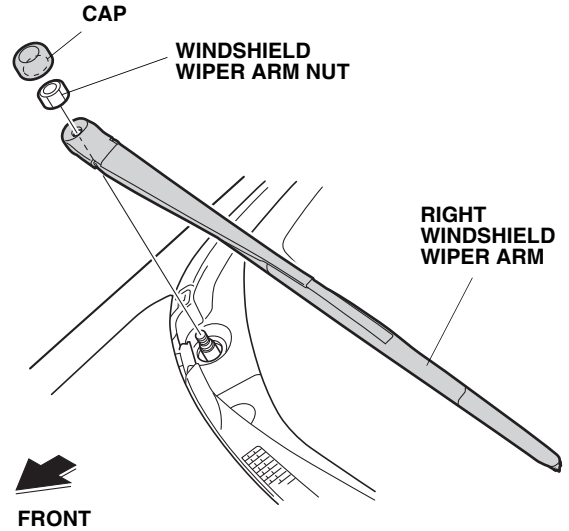
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- Close the hood, and remove the left windshield wiper arm (one cap and one windshield wiper arm nut).



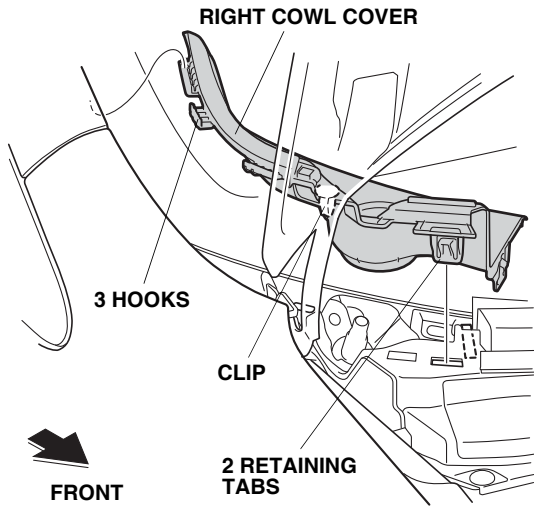
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- Remove the right windshield wiper arm (one cap and one windshield wiper arm nut).



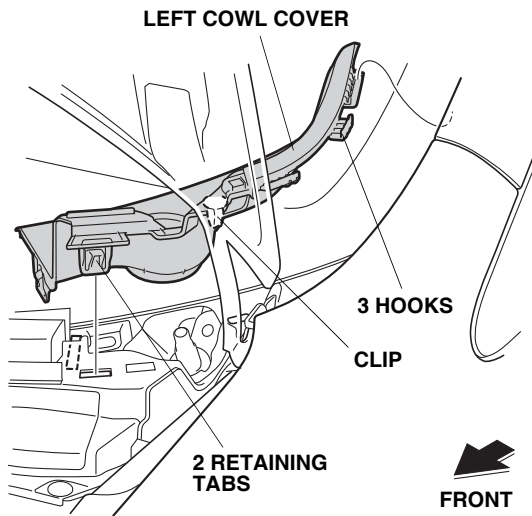
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10. Open the hood, and remove the right cowl cover (two retaining tabs, one clip, and three hooks).



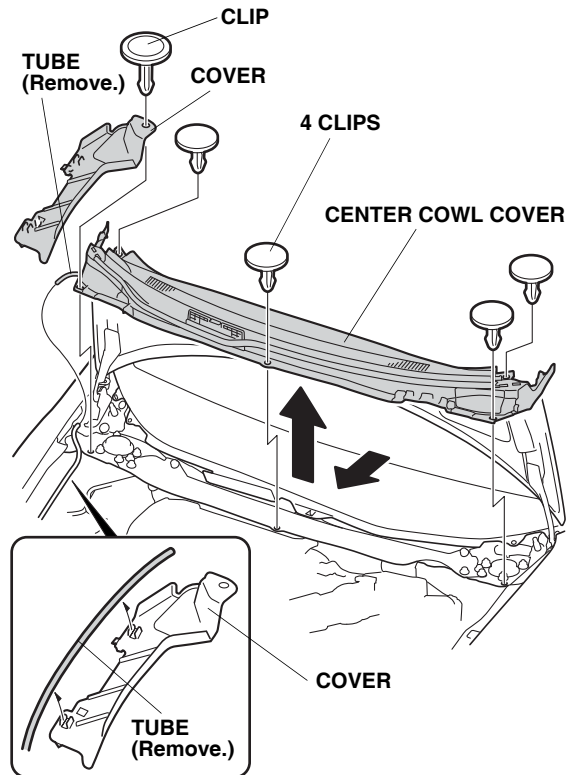
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11. Remove the left cowl cover (two retaining tabs, one clip, and three hooks).



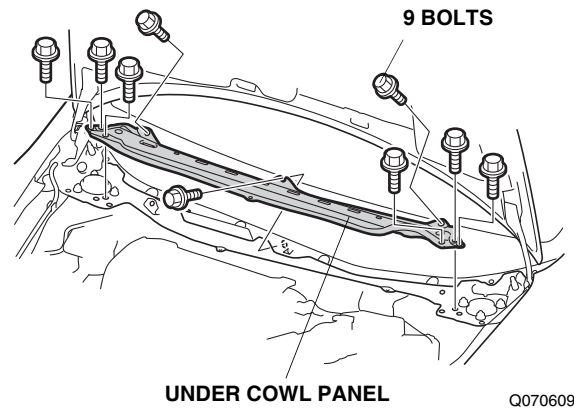
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12. Remove the cover (one clip and one tube). Remove the center cowl cover (four clips and one tube).



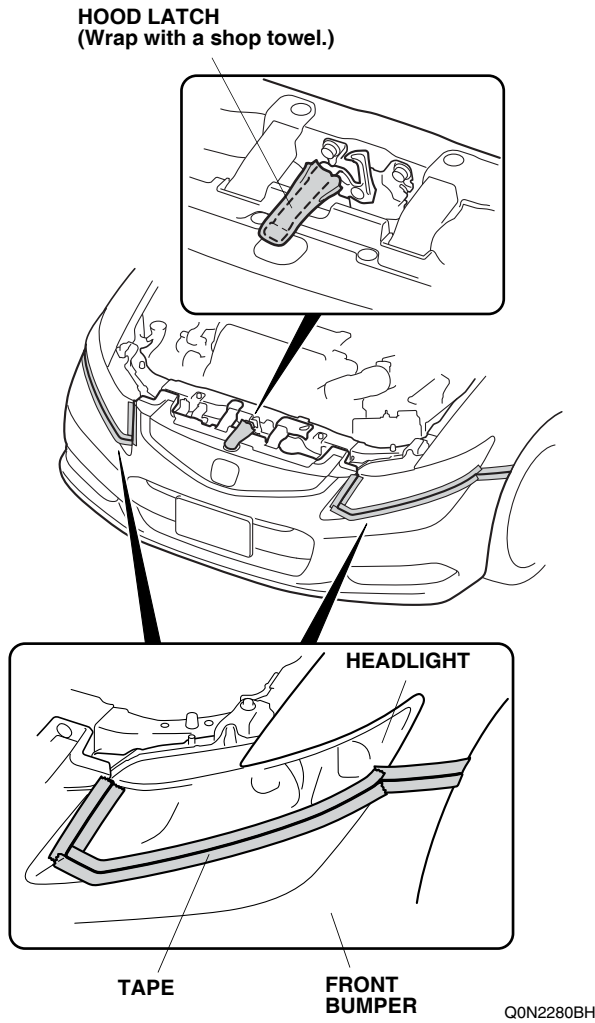
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13. Remove the under cowl panel (nine bolts).

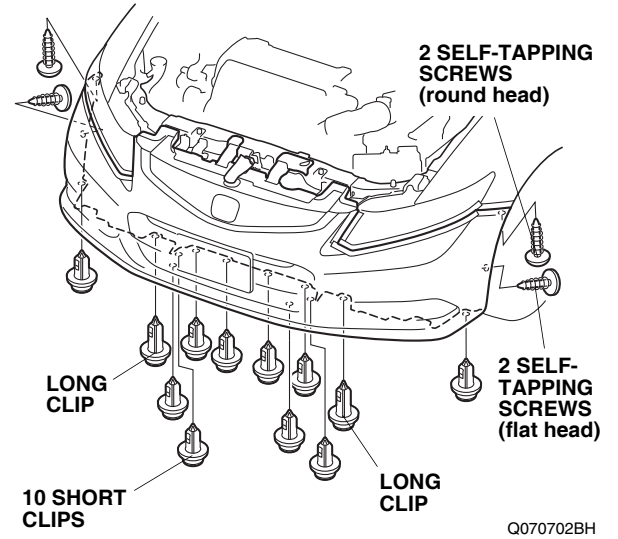


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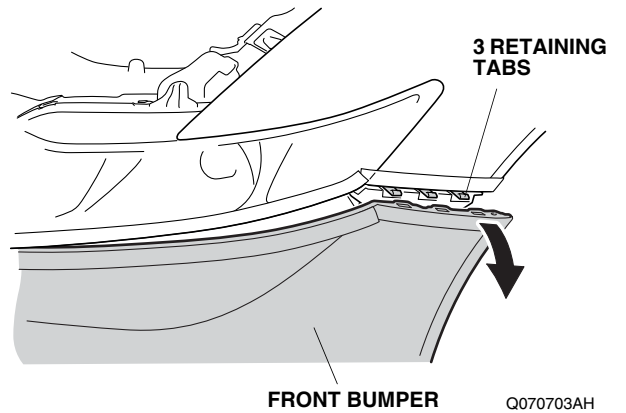
14. Remove the front bumper:
- On each side, attach tape to the areas shown.
 - Wrap a shop towel around the hood latch.



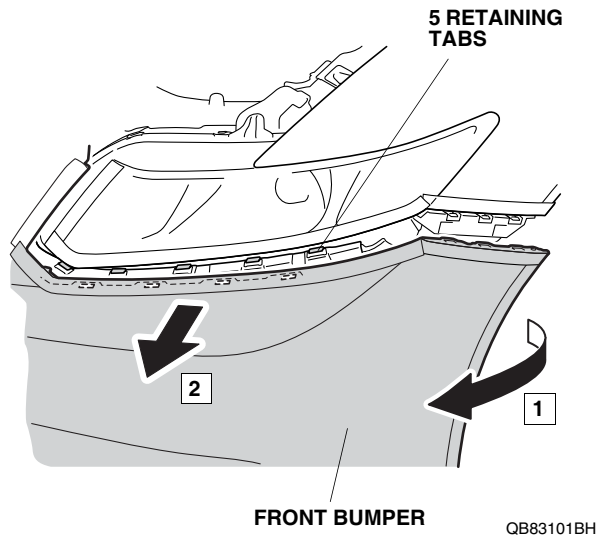
- Remove the four self-tapping screws, ten short clips, and two long clips.



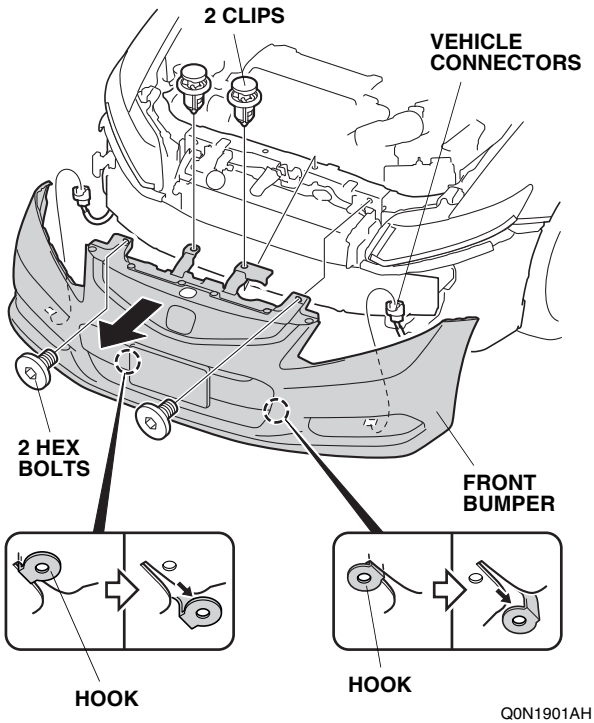
- On each side, release three retaining tabs.



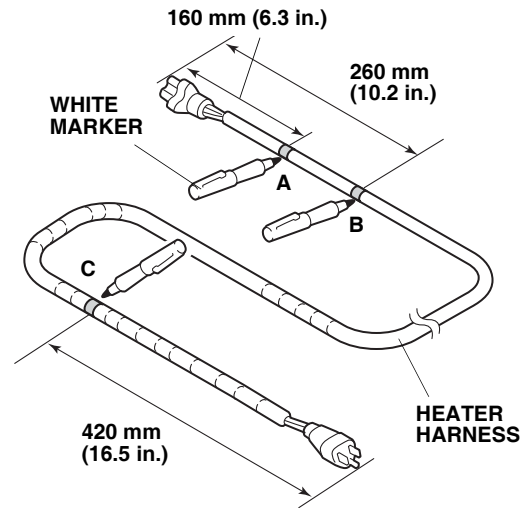
- On each side, release five retaining tabs.



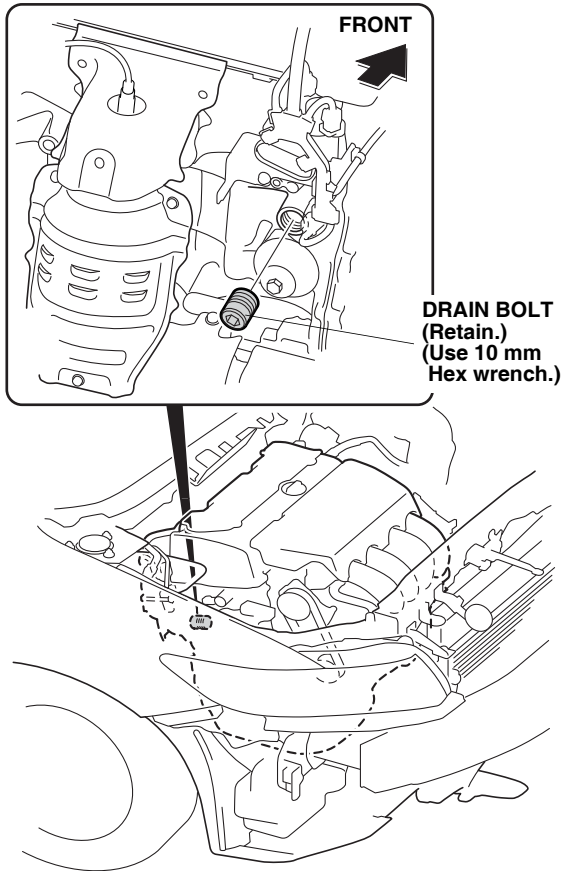
- With the help of an assistant, remove the front bumper (two hex bolts, two clips, and unplug the vehicle connectors). Place the front bumper on a blanket to prevent damage.



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

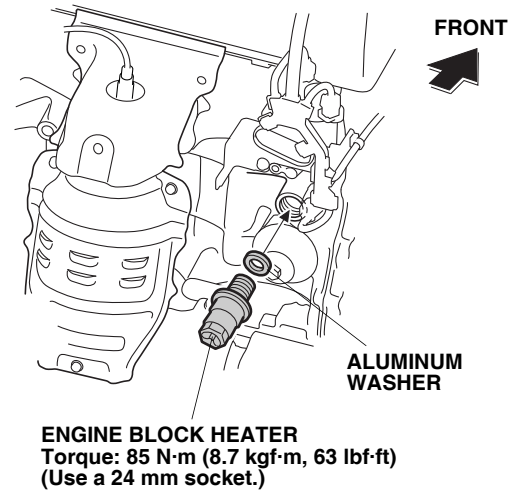


16. Locate and remove the drain bolt. Coolant remaining in the engine jackets flows out of the hole when the bolt is removed. Retain the bolt; it will be used if the block heater is removed.



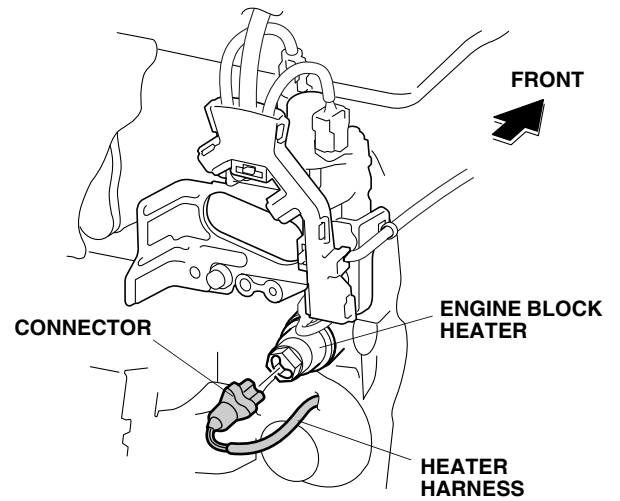
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17. Install the engine block heater with aluminum washer into the bolt hole using a 24 mm socket and a torque wrench. Torque the engine block heater to 85 N·m (8.7 kgf·m, 63 lbf·ft).



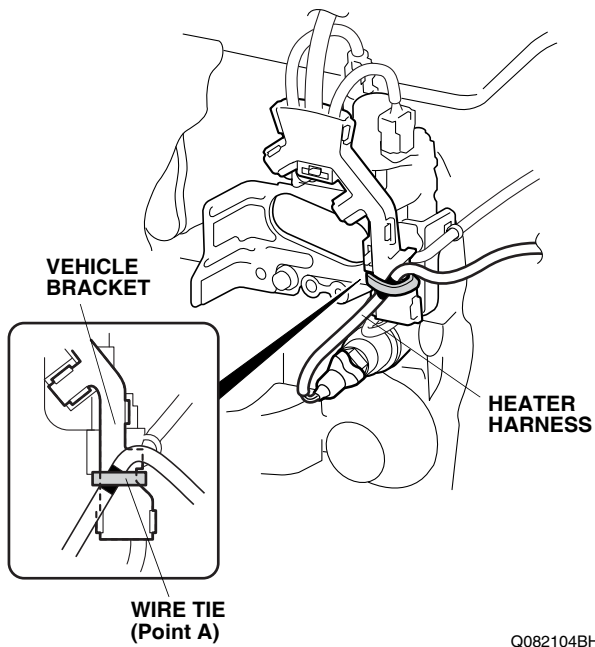
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18. Plug the connector end of the heater harness into the engine block heater. Make sure the heater harness connector is fully seated in the engine block heater.

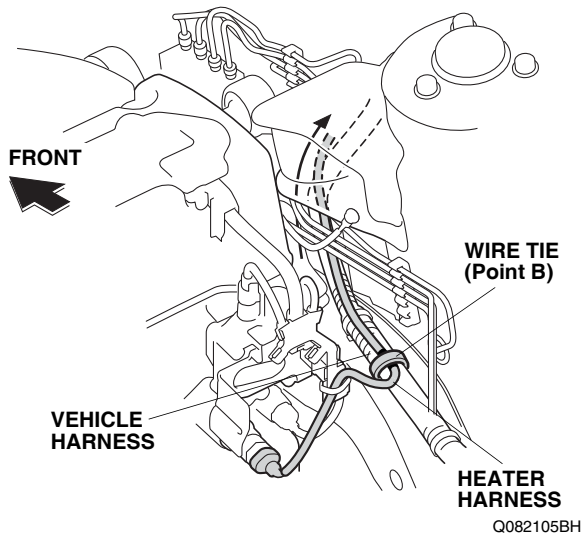


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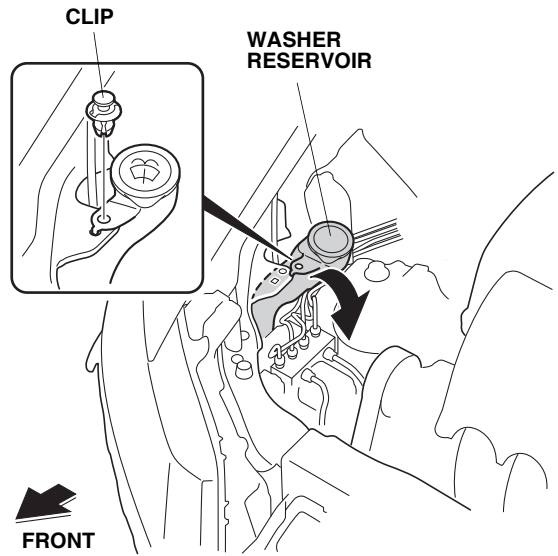
19. Secure the heater harness to the vehicle bracket with one wire tie at the white mark (point A).



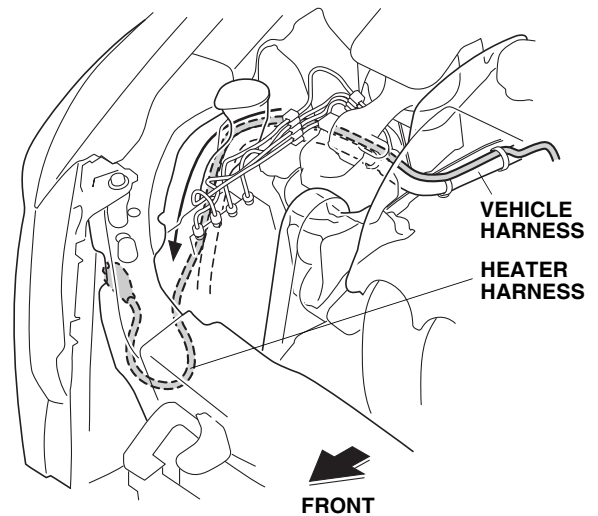
20. Route the heater harness as shown. Secure the heater harness to the vehicle harness with one wire tie at the white mark (point B).



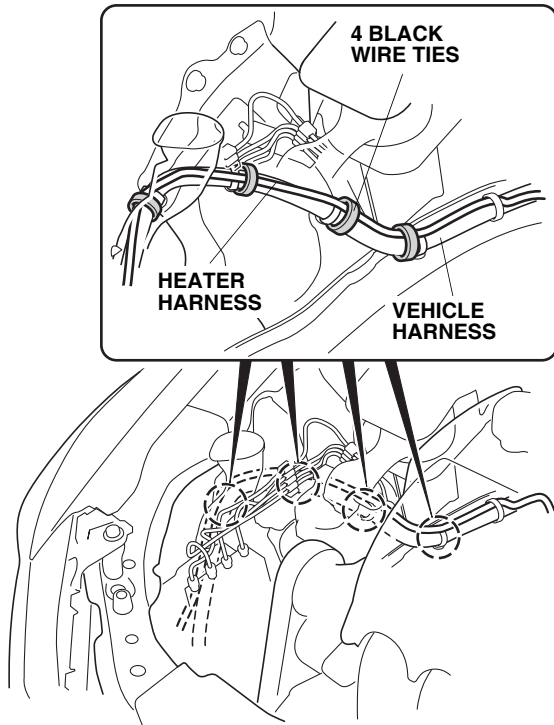
21. Remove the clip from the washer reservoir, and move the reservoir out of the way.



22. Route the heater harness forward along the vehicle harness, behind the washer reservoir, through the front bulkhead and under the right headlight.

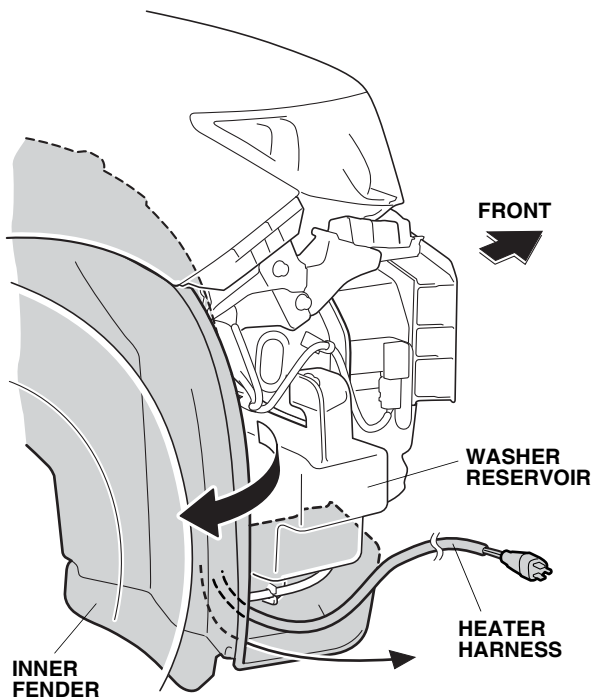


23. Using four black wire ties, secure the heater harness to the vehicle harness in the areas shown.



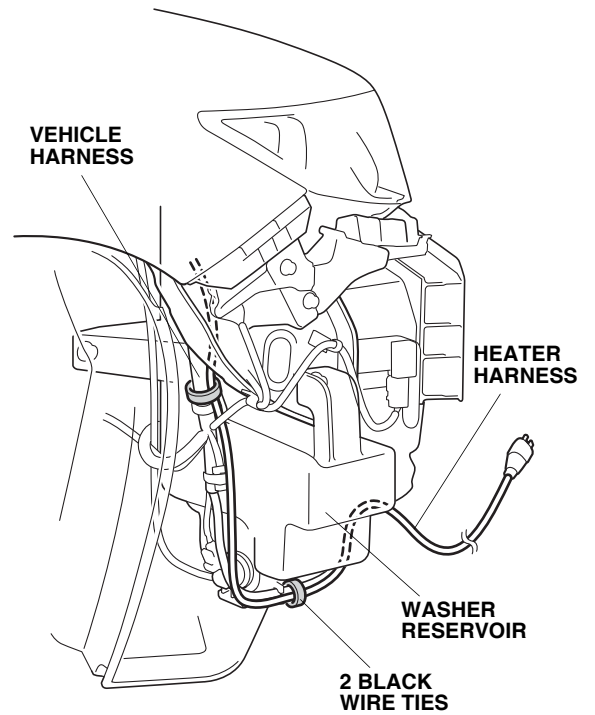
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24. Pull the inner fender away from washer reservoir, then route the heater harness as shown.



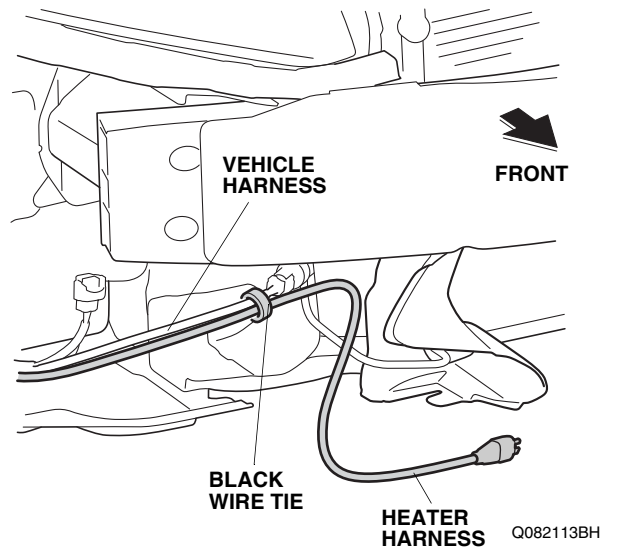
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25. Using two black wire ties, secure the heater harness to the vehicle harness as shown.



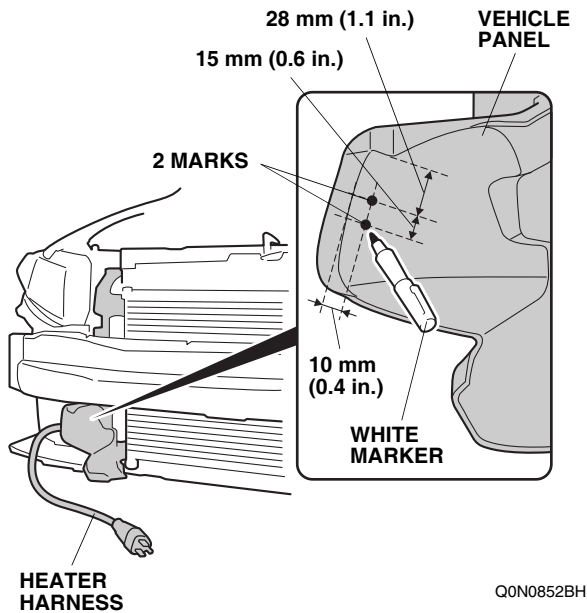
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26. Using one black wire tie, secure the heater harness to the vehicle harness.

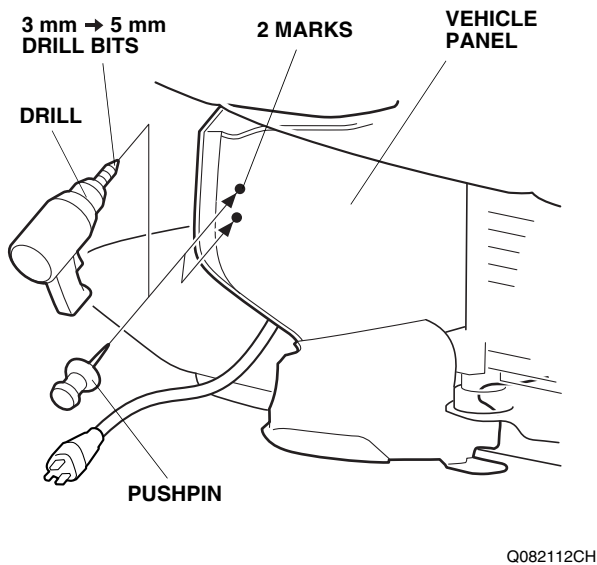


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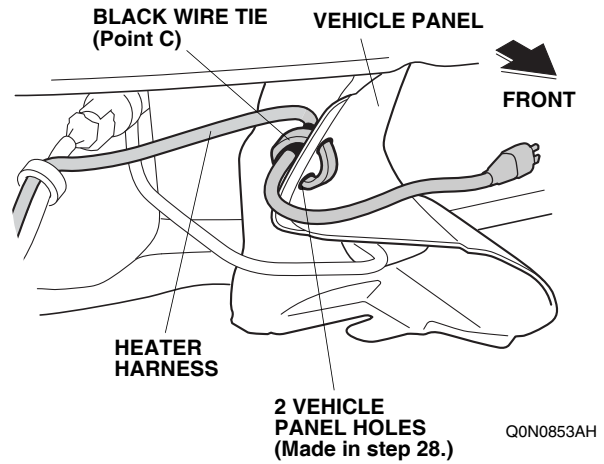
27. Using a white marker, mark the vehicle panel at the measurements shown.



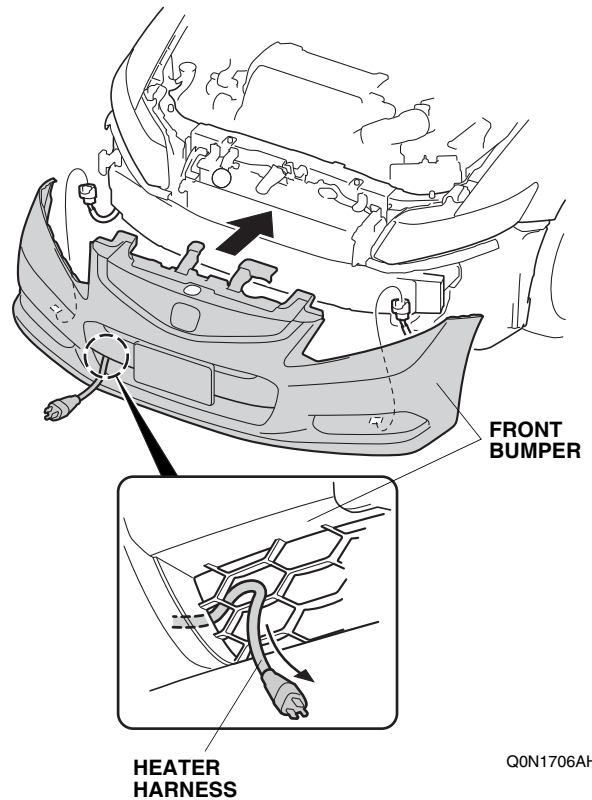
28. Using a pushpin, pierce the two marks you made into the vehicle panel at the location shown. While wearing eye protection, drill the two pierced marks with a 3 mm drill bit, then enlarge the holes with a 5 mm drill bit as shown. Remove any burrs.



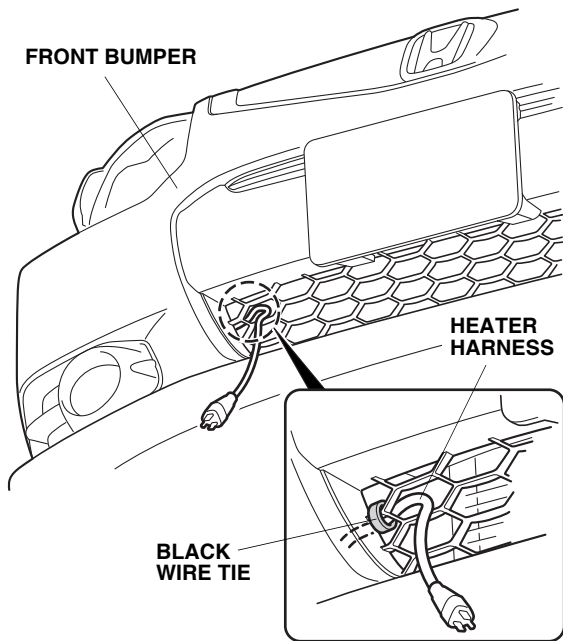
29. Secure the heater harness to the two 5 mm holes in the vehicle panel with one black wire tie at the white mark (point C).



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

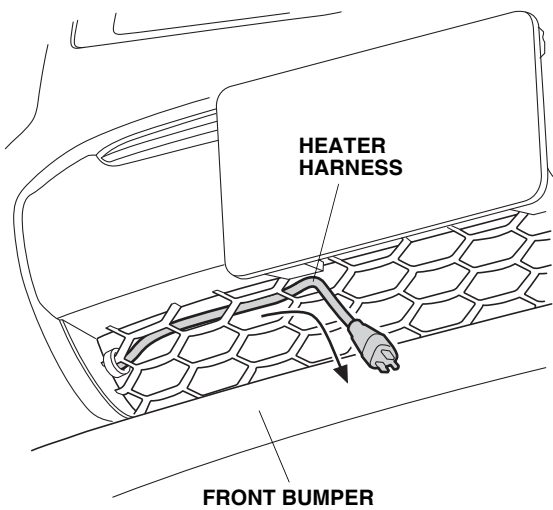


31. Using one black wire tie, secure the heater harness to the front bumper.



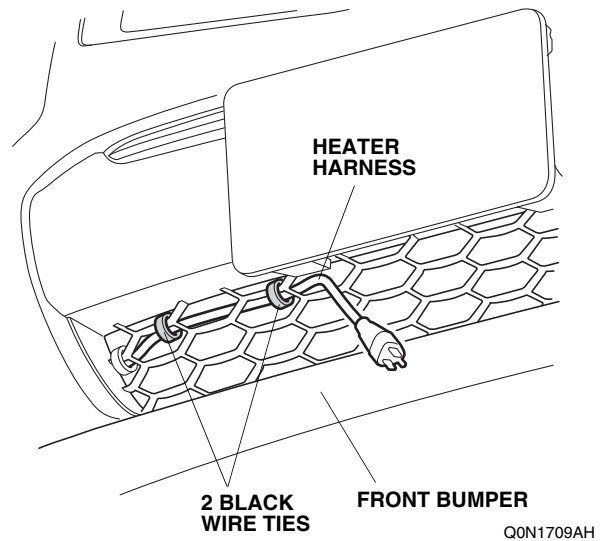
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32. Route the heater harness inside the front bumper as shown.

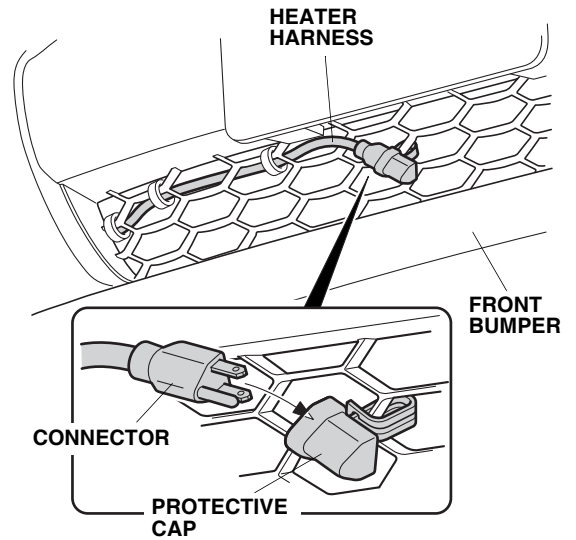


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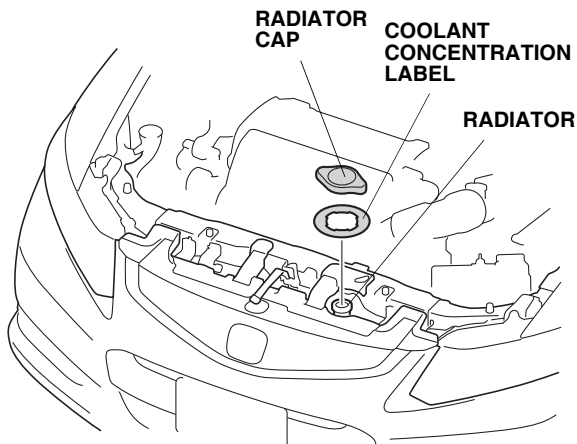
33. Using two black wire ties, secure the heater harness to the front bumper.



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



35. Reinstall all removed parts except for the radiator cap. Torque the windshield wiper arm nuts to 30 N·m (22 lbf·ft).
36. Reinstall the radiator drain plug.
37. Pour 1.3 liters of the 100% concentration coolant through the radiator filler port.
38. Pour the 50% concentration coolant up to the top of the radiator filler port.
39. 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.
40. Install the coolant concentration label to the radiator as shown.



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41. Reinstall the radiator cap.
42. Make sure that the heater harness is routed properly and all connectors are plugged in.
43. Put the drain bolt (removed in step 16) in the glove box.
44. Reconnect the negative cable to the battery.
45. Press and hold the radio power button for two seconds to restore the radio and navi (if equipped) system functions.
46. Reset the clock.