

PARTS LIST

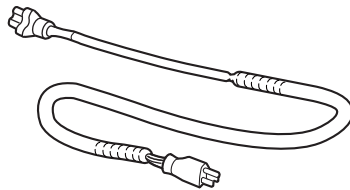
Engine block heater



Aluminum washer



Heater harness



Protective cap

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

5 Brown wire ties

**TOOLS AND SUPPLIES REQUIRED**

Phillips screwdriver

Ratchet

10 mm, 19 mm, and 24 mm Sockets

10 mm Open end wrench

Torque wrench

Diagonal cutters

Heavy gloves

Drain pan

Ruler

Tape measure

White marker

Coolant (Honda All Season Antifreeze/Coolant Type 2)

Blanket

Fender cover

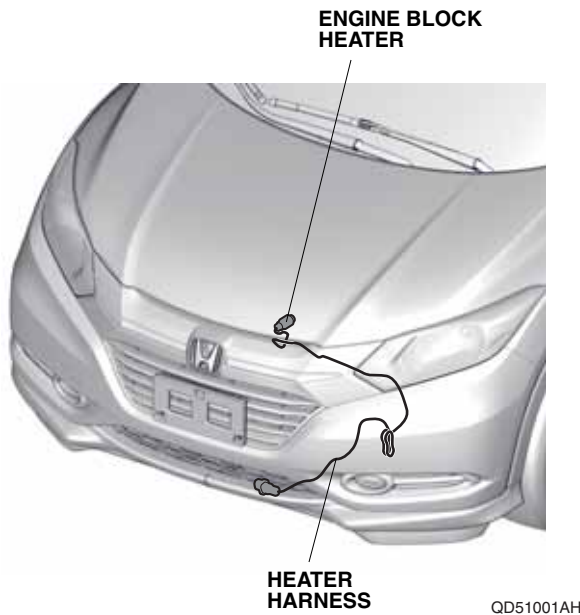
Tape

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 Installed on the Vehicle



INSTALLATION

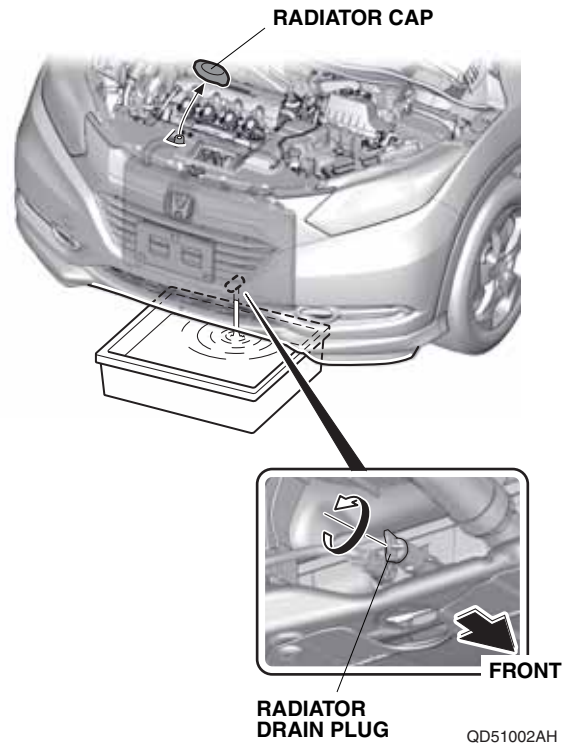
Customer Information: The information in this installation instruction is intended for use only by skilled technicians who have the proper tools, equipment, and training to correctly and safely add equipment to your vehicle. These procedures should not be attempted by “do-it-yourselfers.”

NOTE:

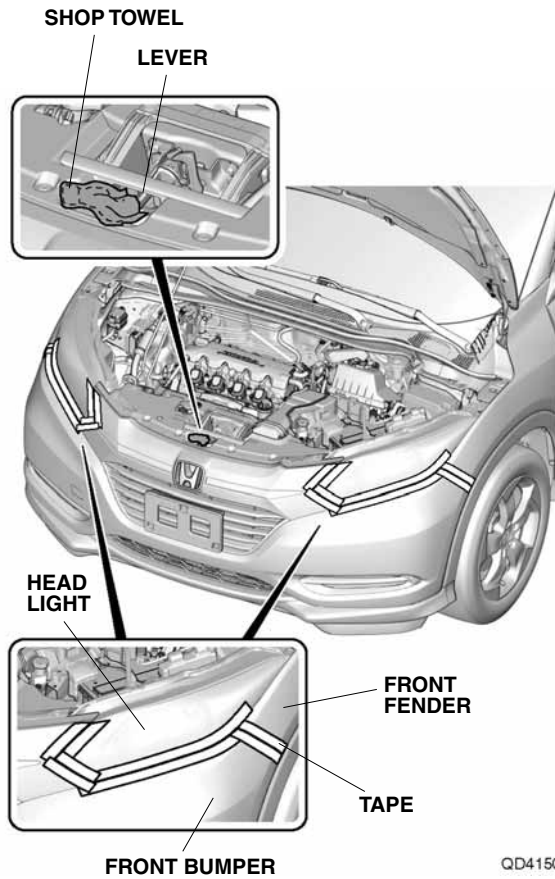
- Always use Honda All Season Antifreeze/Coolant Type 2. Using a non-Honda coolant can result in corrosion, causing the cooling system to malfunction or fail.
 - To avoid burning out the element, do not operate the engine block heater until it is installed in the vehicle and you have added coolant.
1. 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 the vehicle 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.

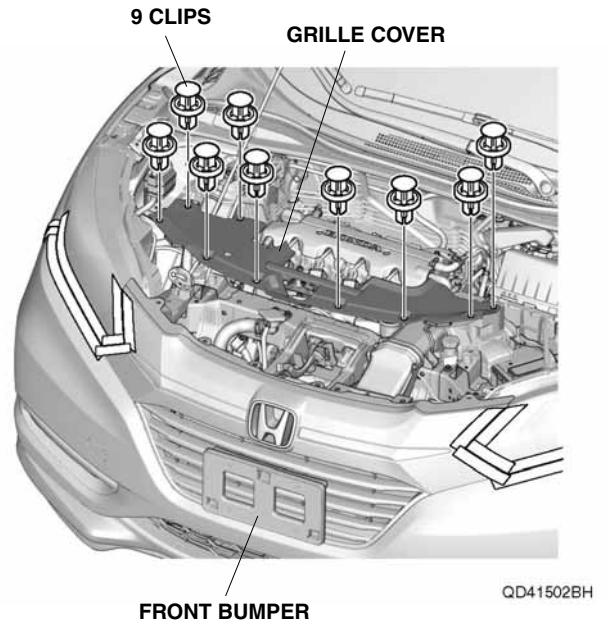
NOTICE: Radiator coolant will damage the paint. Quickly rinse any spilled coolant from the paint.



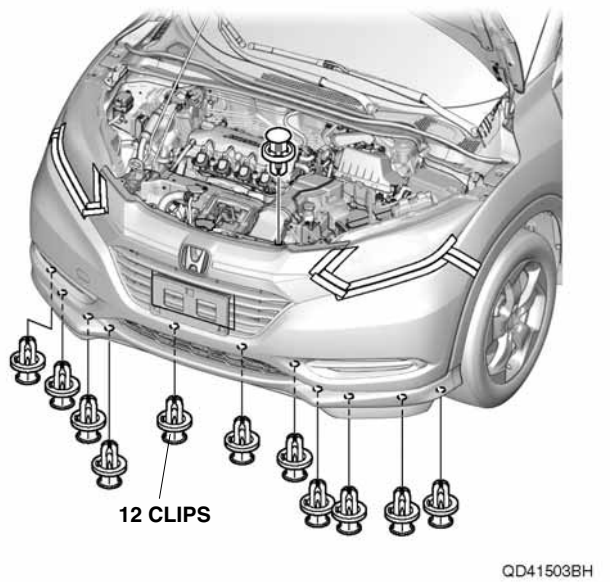
5. Drain the coolant completely, then reinstall the radiator cap.
6. Remove the front bumper:
 - Wrap a shop towel around the lever.
 - Attach tape to the areas shown on each side.



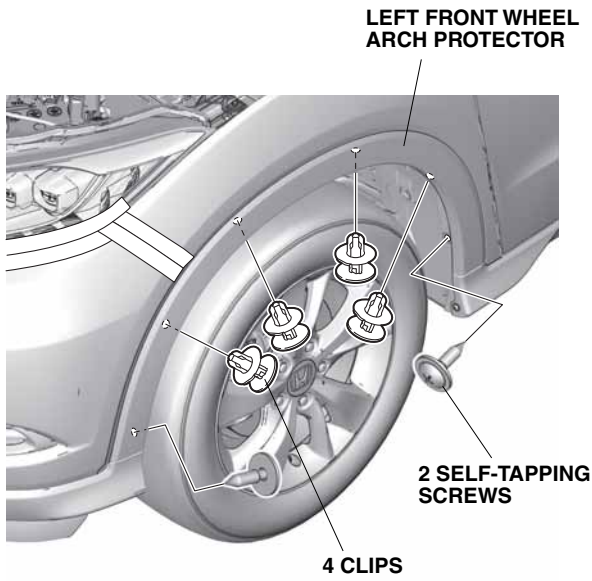
- Remove the grille cover.



- Remove the 12 clips.

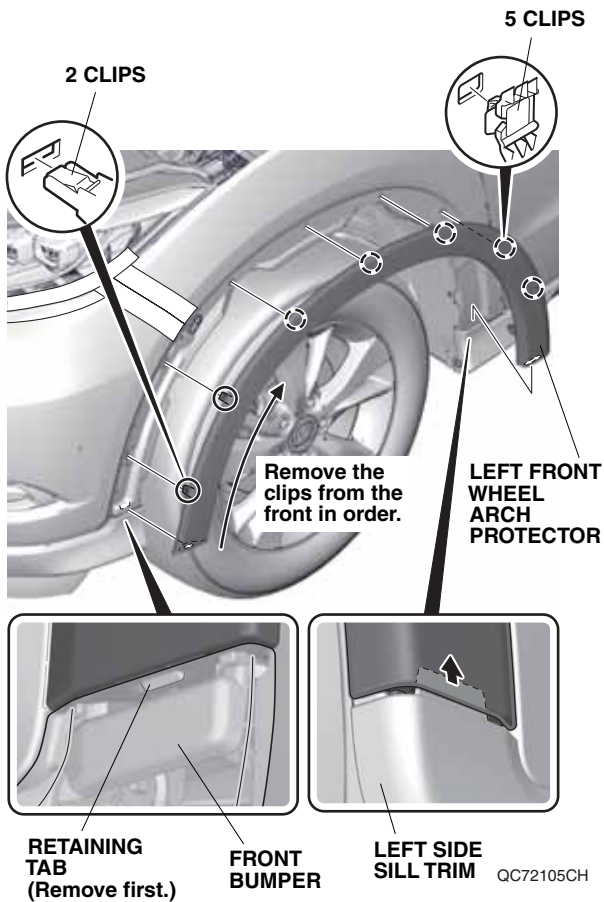


- Remove the four clips and two self-tapping screws on each side.



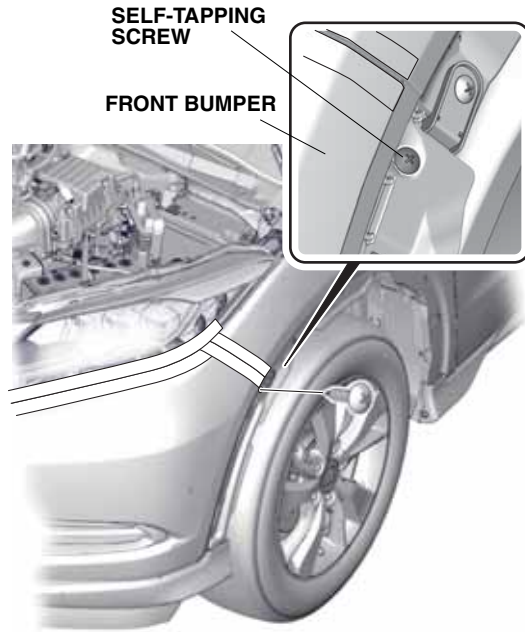
QC72104AH

- Remove the front wheel arch protector on each side.



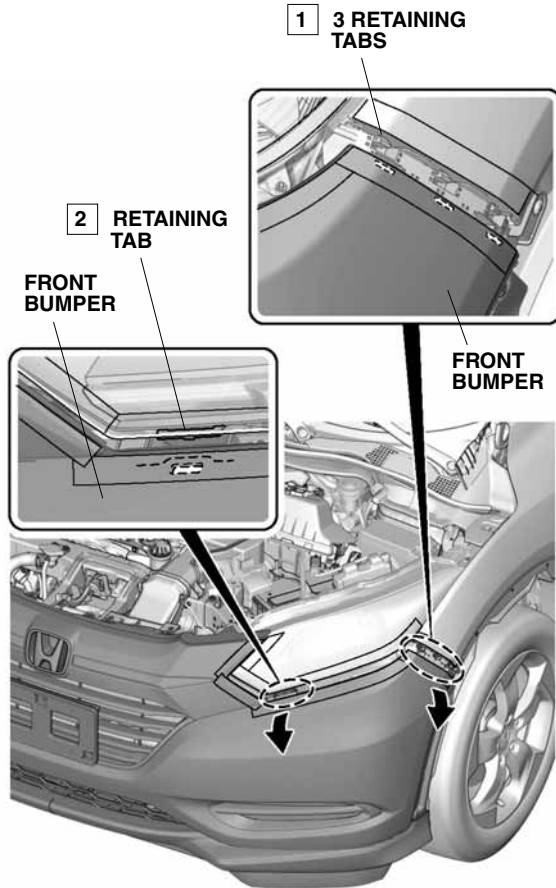
QC72105CH

- Remove one self-tapping screw on each side.



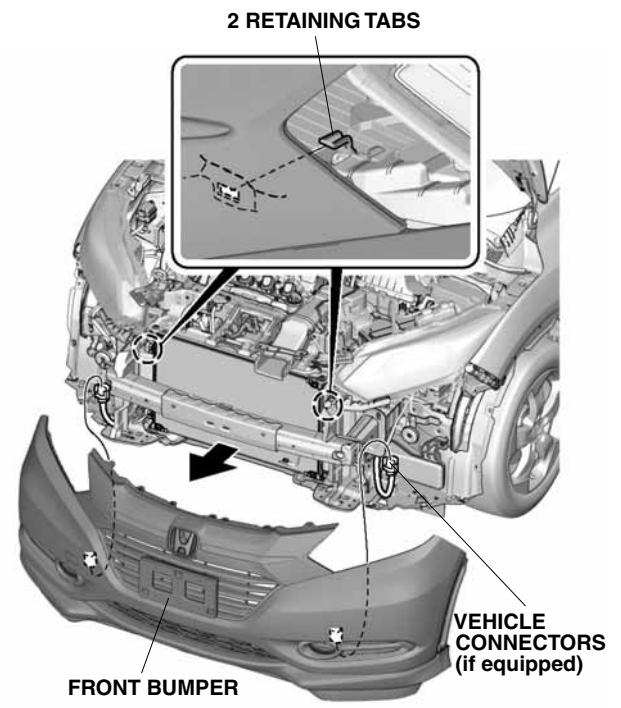
QD41504AH

- Release the four retaining tabs on each side.



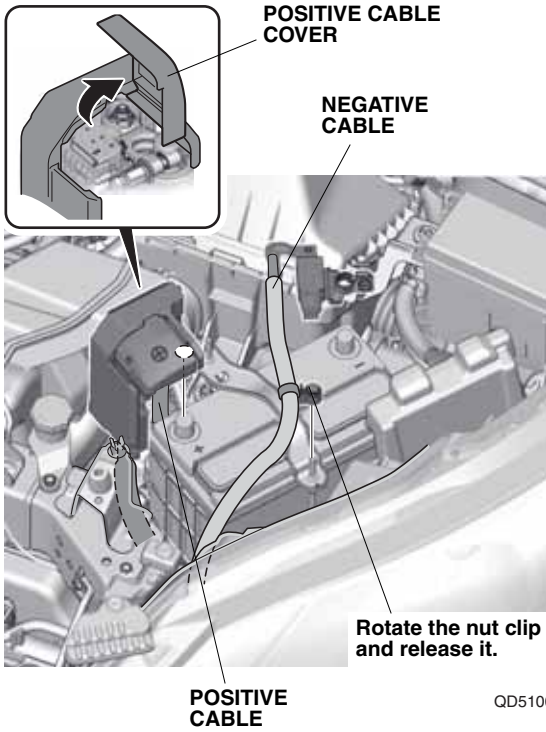
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- With the help of an assistant, remove the front bumper and unplug the vehicle connectors, if equipped. Place the front bumper on the blanket to prevent damage.

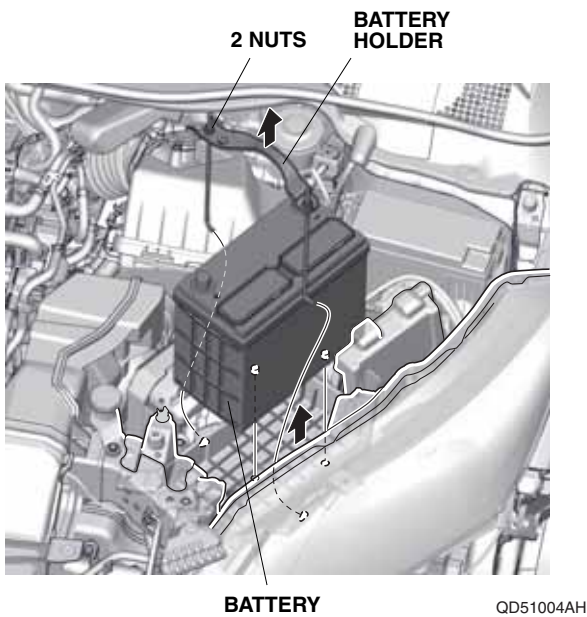


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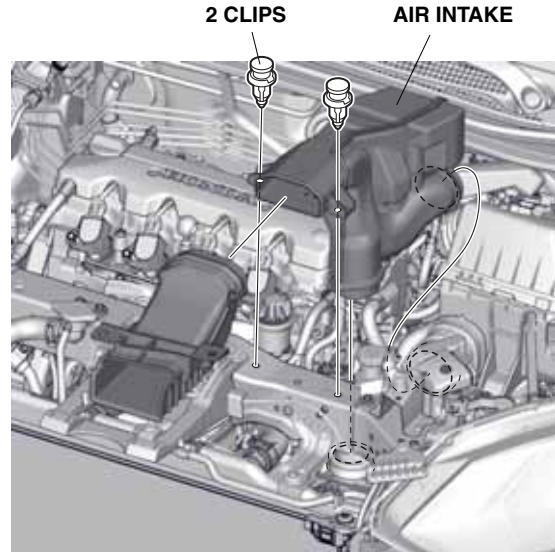
- Open the positive cable cover, and disconnect the positive cable from the battery. Release the nut clip on the negative cable.



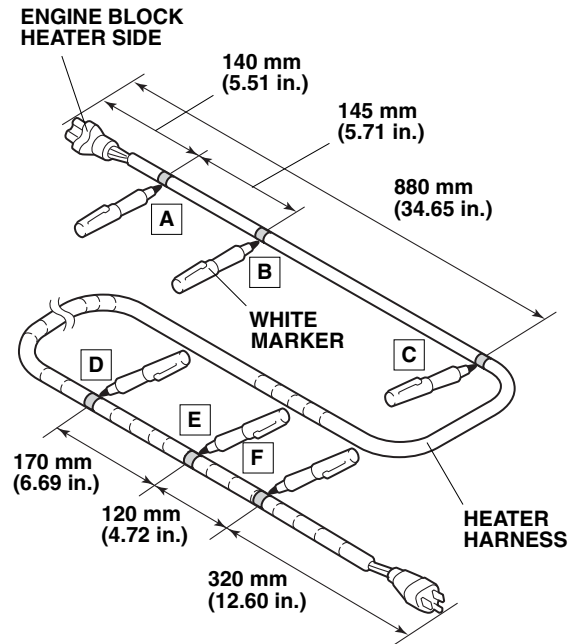
- Remove the battery and battery holder.



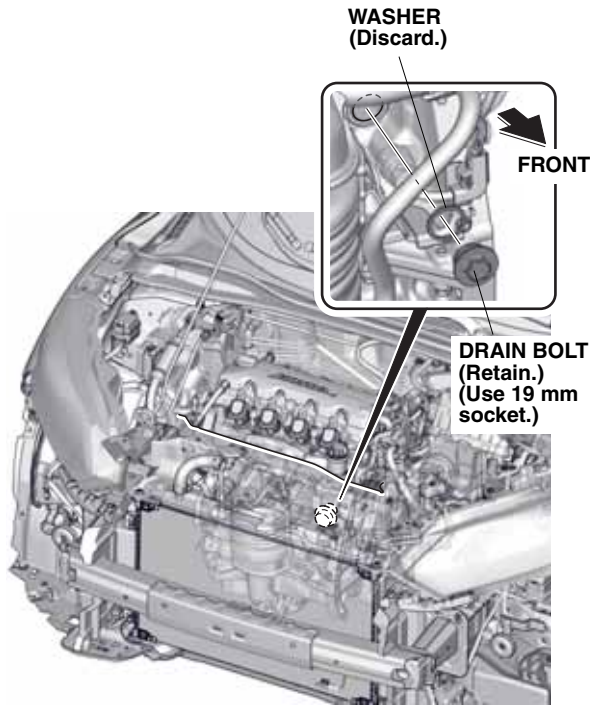
- Remove the air intake.



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

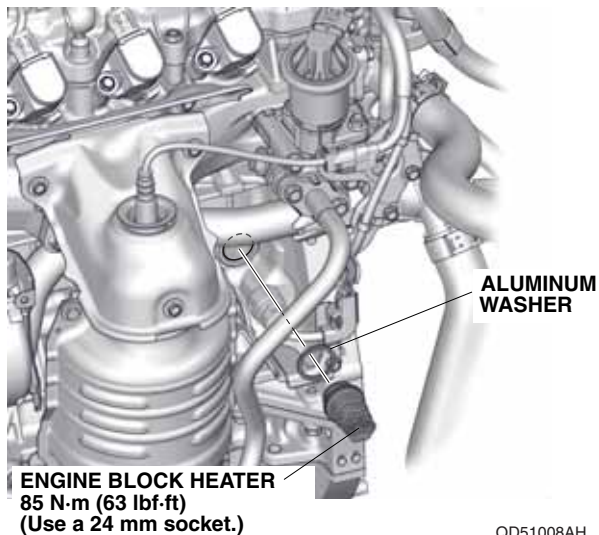


- Locate and remove the drain bolt and washer. Coolant remaining in the engine jackets flows out of the hole when the drain bolt is removed. Retain the drain bolt; it will be used if the engine block heater is removed.
NOTE: Use a new washer if the drain bolt is reinstalled.



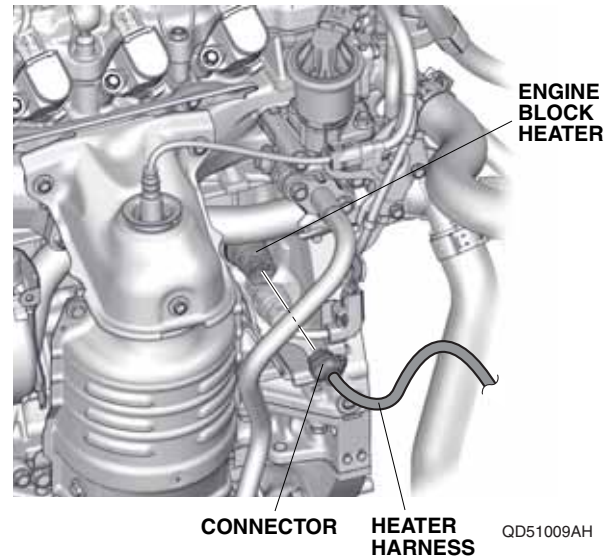
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- Install the engine block heater with the aluminum washer into the bolt hole using a 24 mm socket. Torque the engine block heater to 85 N·m (63 lbf·ft).

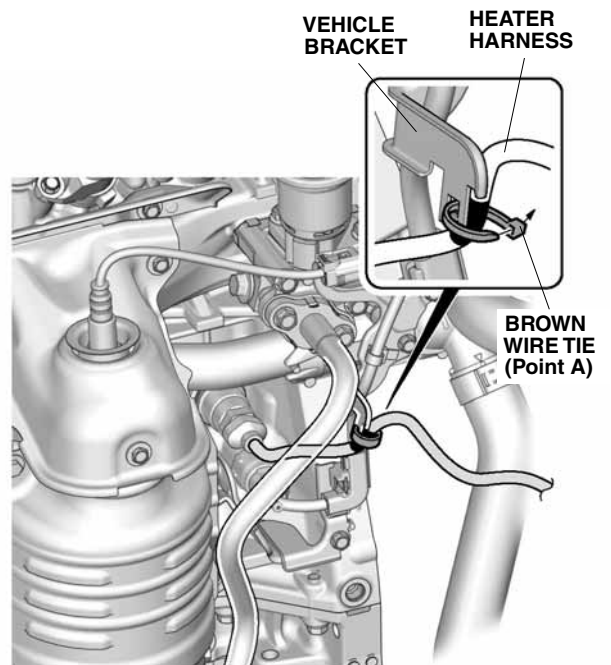


QD51008AH

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

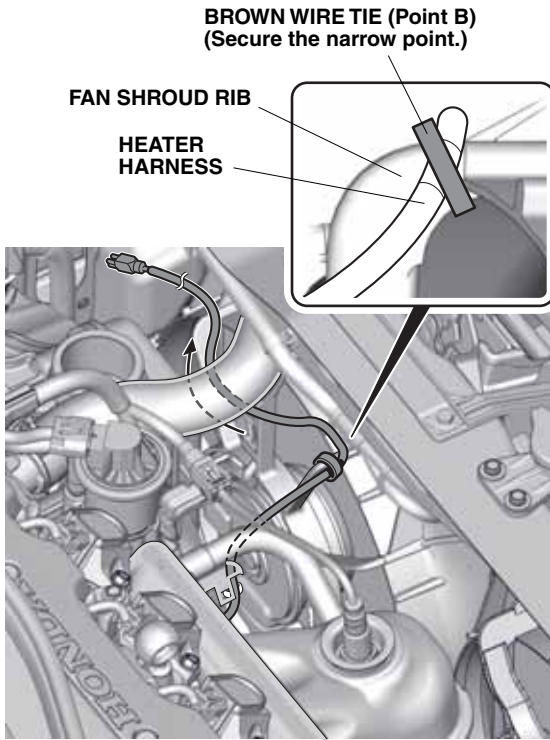


- Secure the heater harness to the vehicle bracket hole with one brown wire tie at point A.

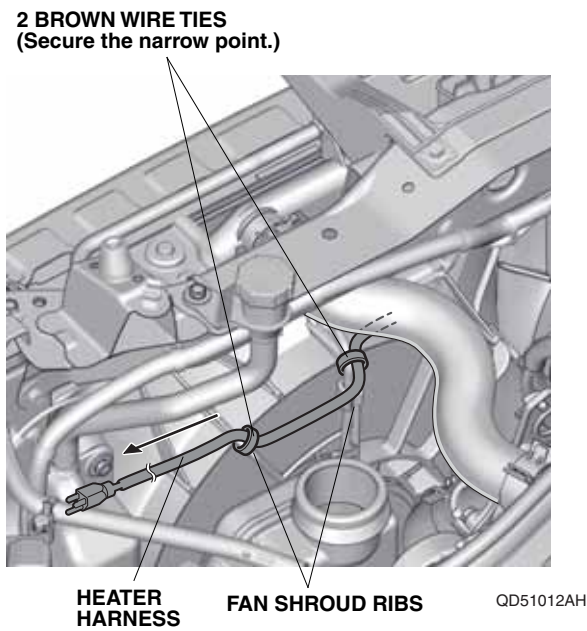


QD51010BH

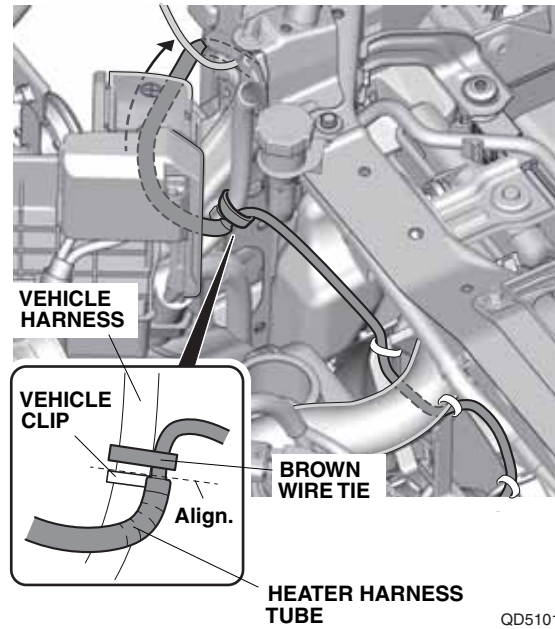
15. Secure the heater harness to the fan shroud rib with one brown wire tie at point **B**.



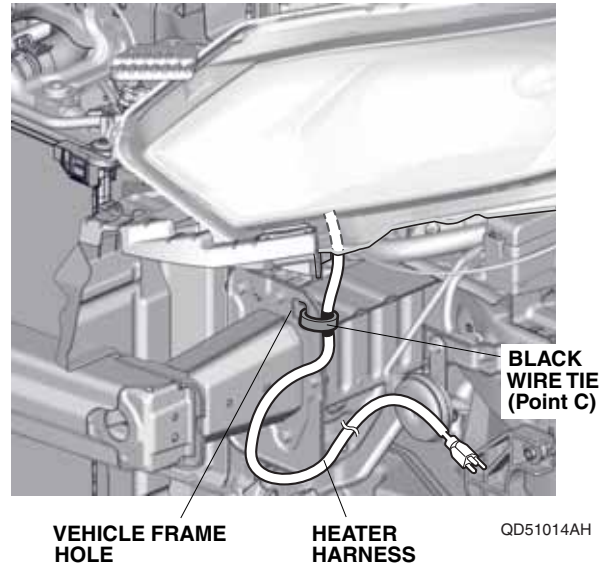
16. Route the heater harness across the fan shroud, and secure the heater harness to the fan shroud ribs with two brown wire ties.



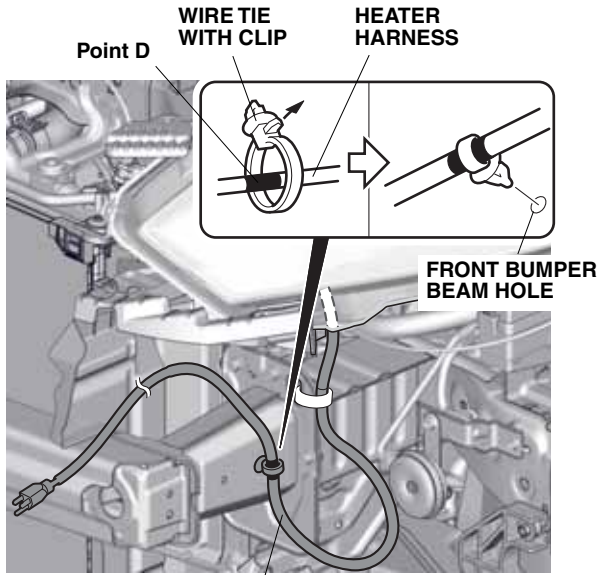
17. Route the heater harness through the front bulkhead, and secure the heater harness to the vehicle harness with one brown wire tie as shown.



18. Secure the heater harness to the vehicle frame hole with one black wire tie at point **C**.



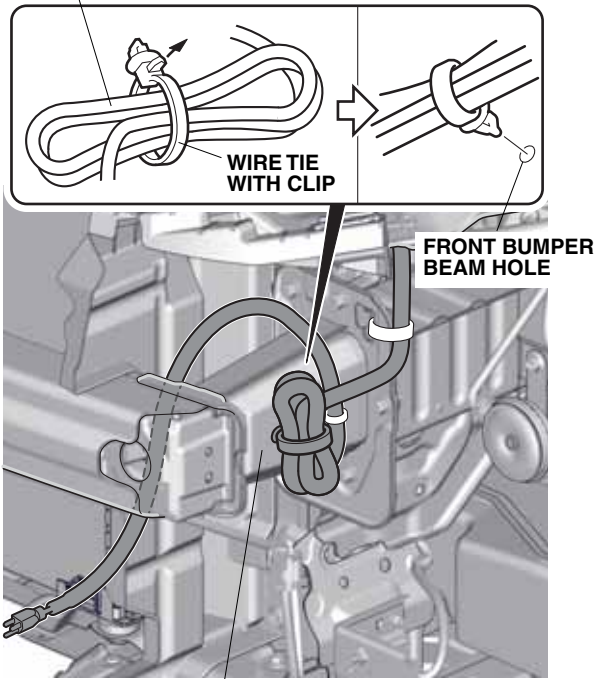
19. Secure the heater harness to the front bumper beam hole with one wire tie with clip at point **D**.



HEATER HARNESS QD51015AH

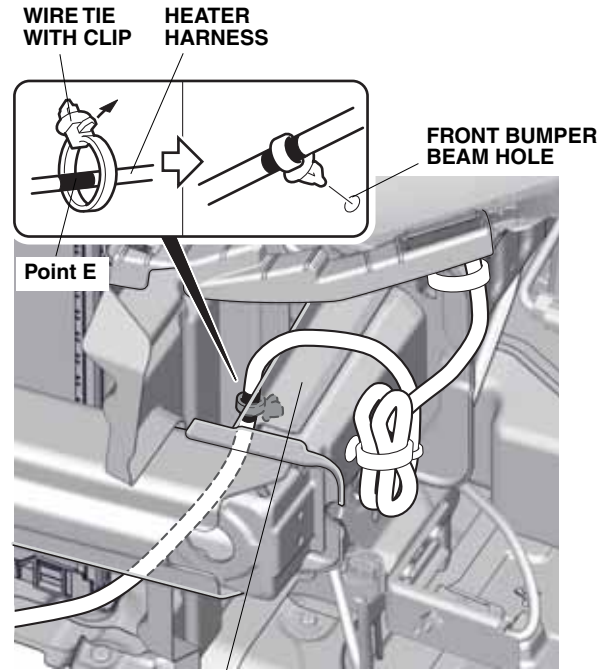
20. Bundle up the excess heater harness, and secure it to the front bumper beam hole with one wire tie with clip.

HEATER HARNESS
(Bundle up the excess.)



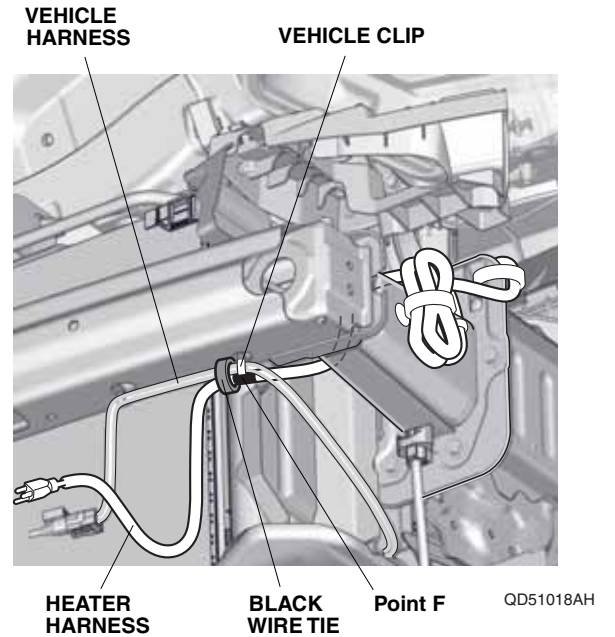
FRONT BUMPER BEAM QD51016AH

21. Route the heater harness as shown, and secure the heater harness to the front bumper beam hole with one wire tie with clip at point **E**.

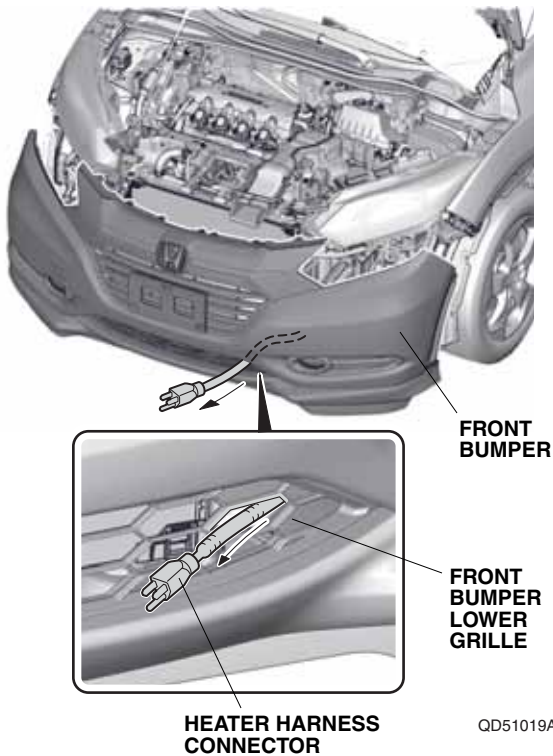


FRONT BUMPER BEAM QD51017AH

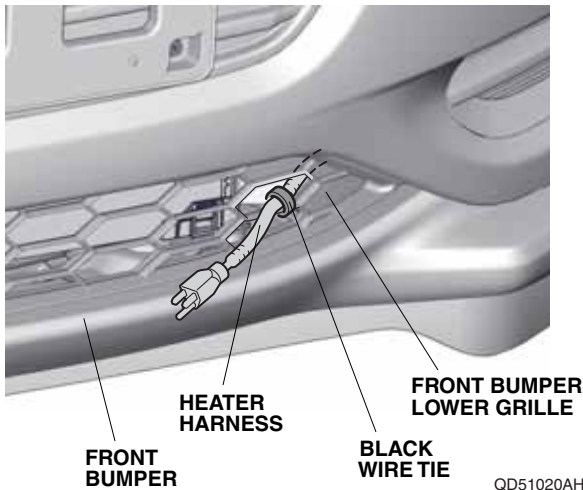
22. Secure the heater harness to vehicle harness with one black wire tie at point **F**.



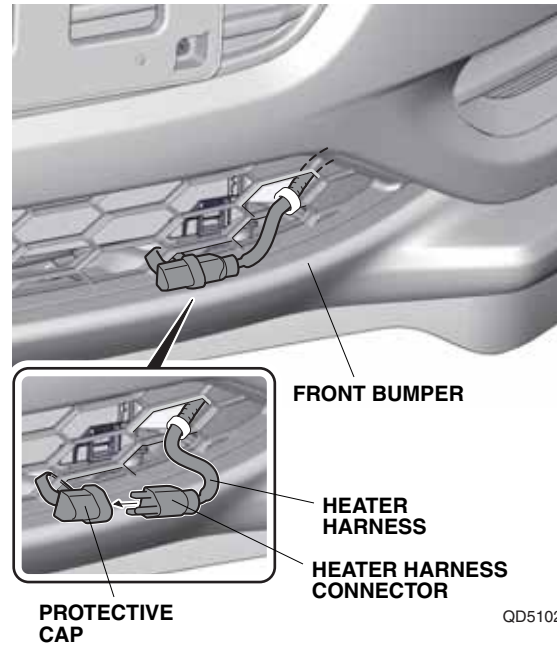
23. With the help of an assistant, bring the front bumper close to the vehicle. Route the heater harness through the front bumper lower grille, then reinstall the front bumper.



24. Secure the heater harness to the front bumper lower grille with one black wire tie.



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



26. Reinstall all removed parts.
27. Reinstall the radiator drain plug.
28. 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.
29. Make sure that the heater harness is routed properly and all connectors are plugged in.
30. Reinstall the radiator cap.
31. Put the drain bolt (removed in step 11) in the glove box.
32. Reconnect the battery cables.
33. Press and hold the radio power button for two seconds to restore radio and navi (if equipped) system functions.
34. Reset the clock.
35. Restore the systems back to normal operation as described in the Service Manual if necessary.