



HONDA INSTALLATION INSTRUCTIONS

Accessory
ENGINE BLOCK HEATER
P/N 08T44-SNA-102

Application
2021 HR-V

Publications No.
VERSION 1
Issue Date
SEP 2020

PARTS LIST

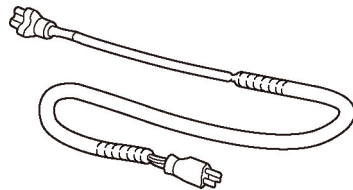
Engine block heater



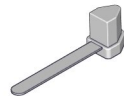
Aluminum washer



Heater harness



Protective cap



5 Wire ties A
(brown)



12 Wire ties B
(black)
(Some may not be used)



7 Wire ties with clip
(Some may not be used)



TOOLS AND SUPPLIES REQUIRED

Phillips screwdriver

Ratchet

10 mm, 19 mm, and 24 mm Sockets

10 mm Open end wrench

Torque wrench

Diagonal cutters

Ruler

Heavy gloves

Drain pan

Tape measure

White marker

Coolant (Honda Genuine Long Life Antifreeze/Coolant Type 2)

Blanket

Fender cover

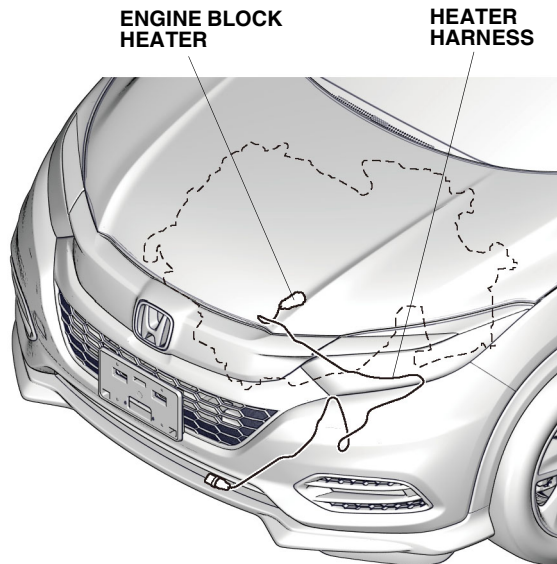
Masking tape

Shop towel

The following tools are 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)
- Plastic Trim Tool (T/N SILTRIMTL10)

Illustration of the Engine Block Heater in the Vehicle



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INSTALLATION

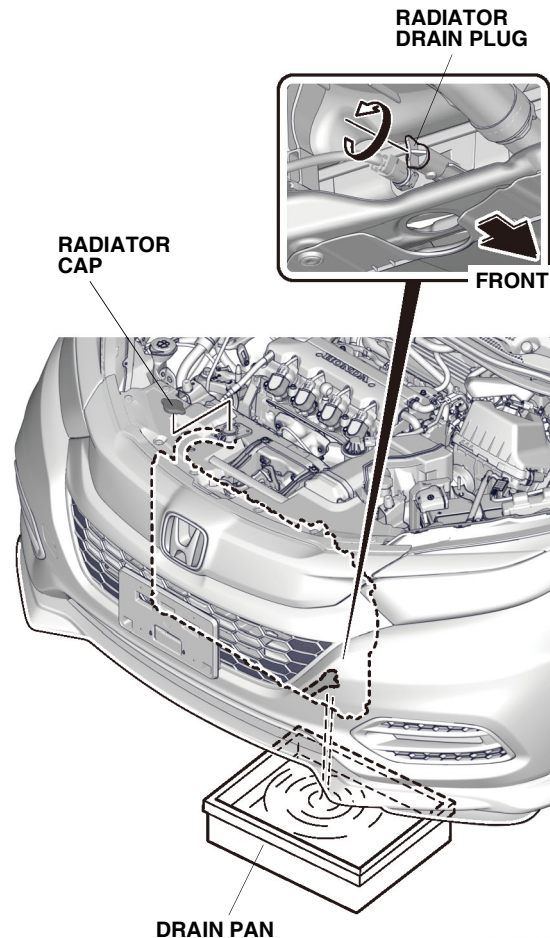
Customer Information: The information in this installation instruction is intended for use only by skilled technicians who have the proper tools, equipment, and training to correctly and safely add equipment to your vehicle. These procedures should not be attempted by "do-it-yourselfers."

NOTICE:

- Always use, Honda Genuine Long Life 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 radiator drain plug from the bottom of the radiator to drain the coolant. Remove the radiator cap to increase the flow.

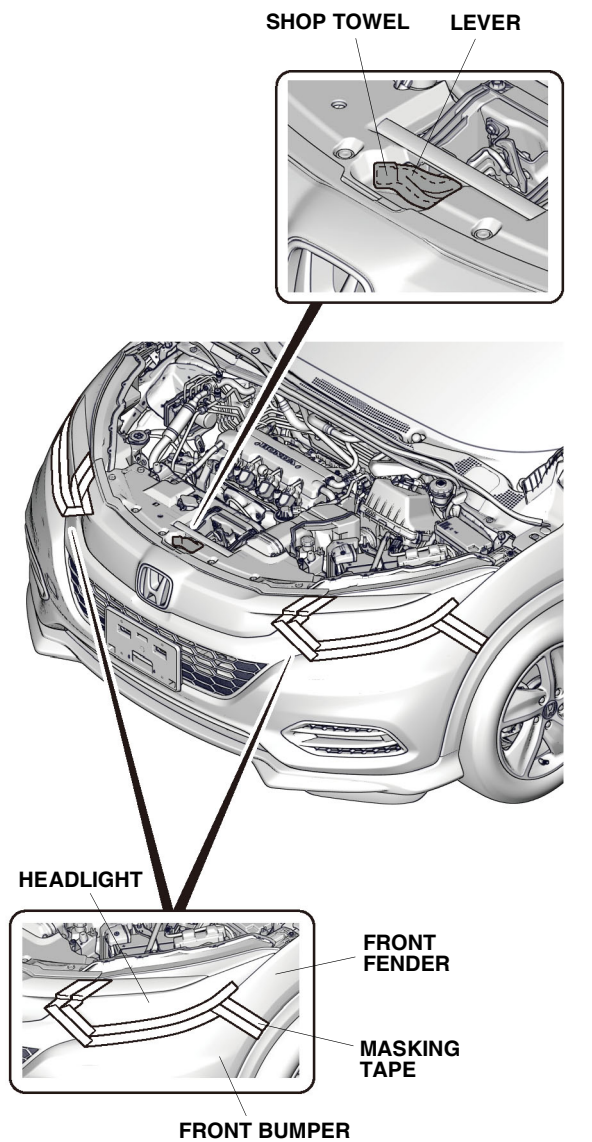
NOTICE: Radiator coolant will damage the paint. Quickly rinse any spilled coolant from the paint.



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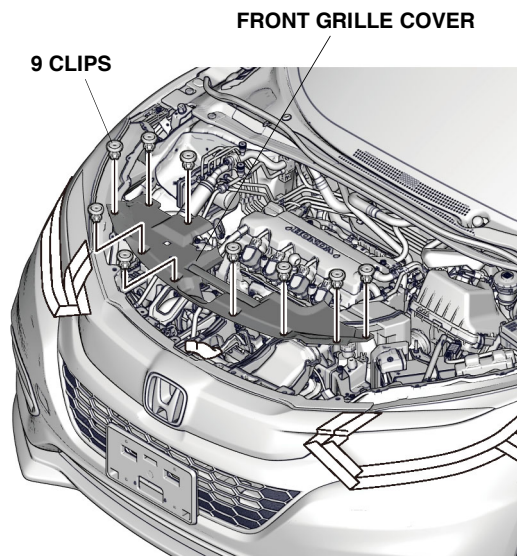
5. Drain the coolant completely, then install the radiator cap.

6. Remove the front bumper:
 - Wrap a shop towel around the lever.
 - Apply masking tape as shown.



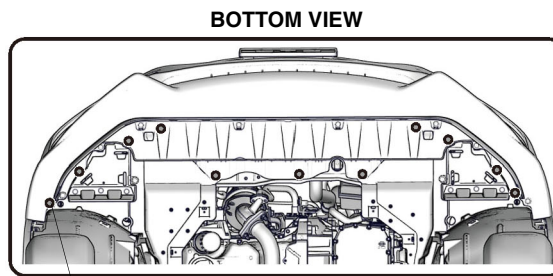
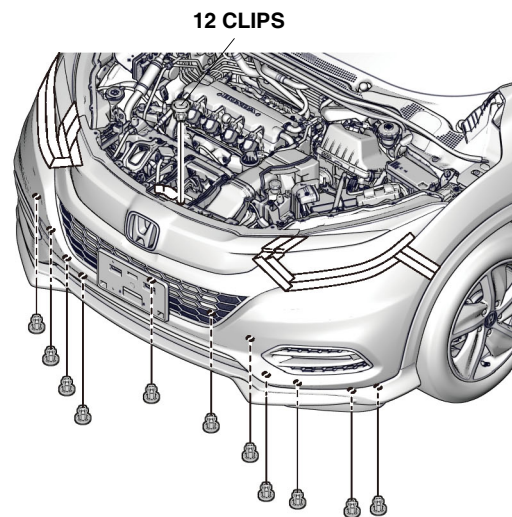
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- Remove the front grille cover.



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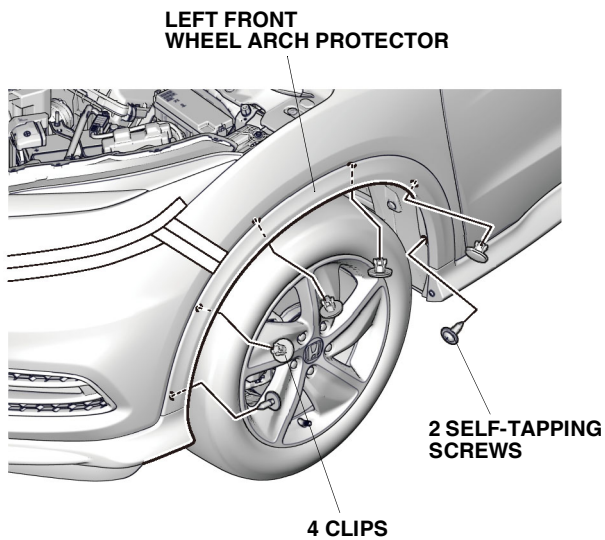
- Remove the 12 clips.



11 CLIPS

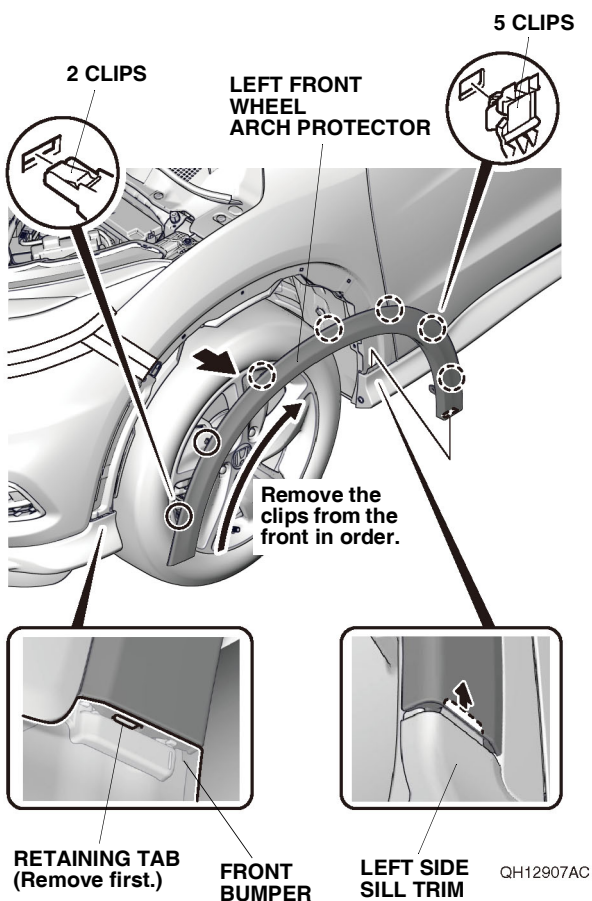
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- Remove the two self-tapping screws and four clips on each side.



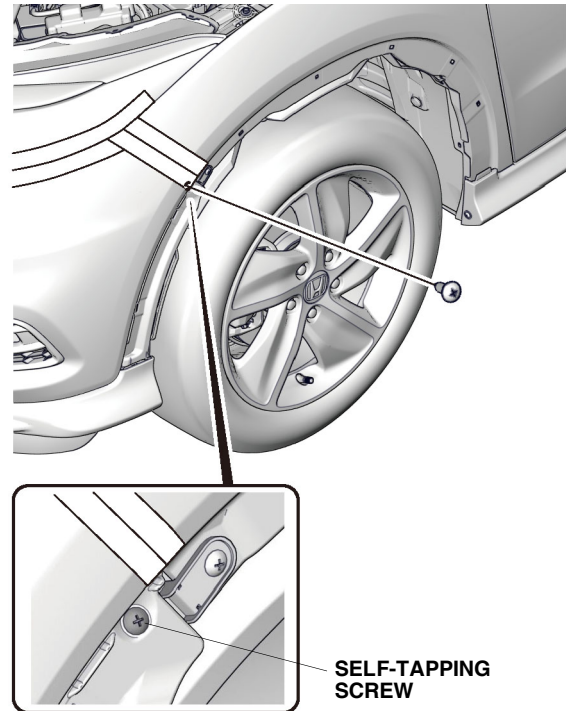
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- Remove the front wheel arch protector on each side.



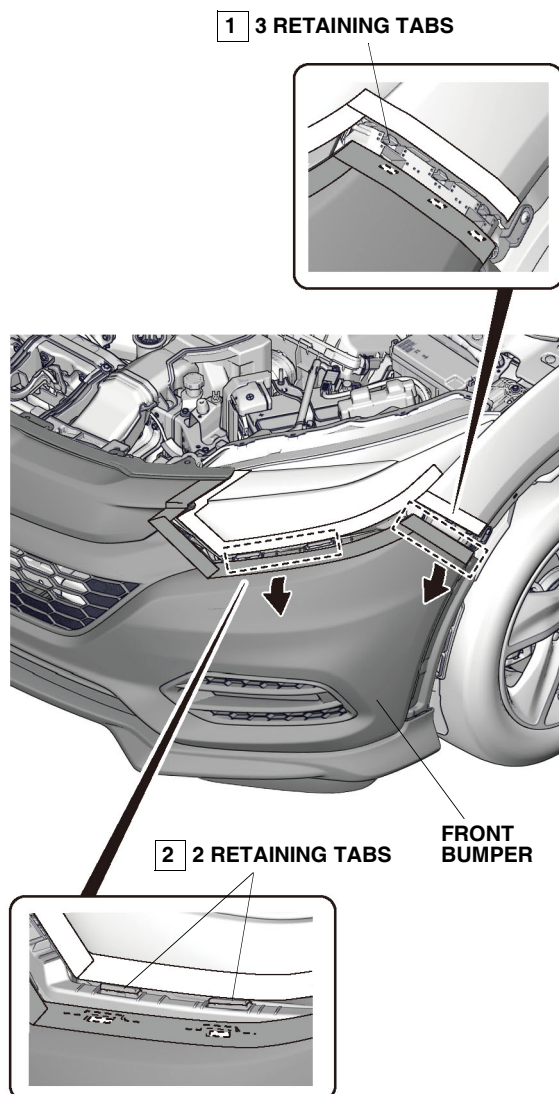
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- Remove the self-tapping screw on each side.



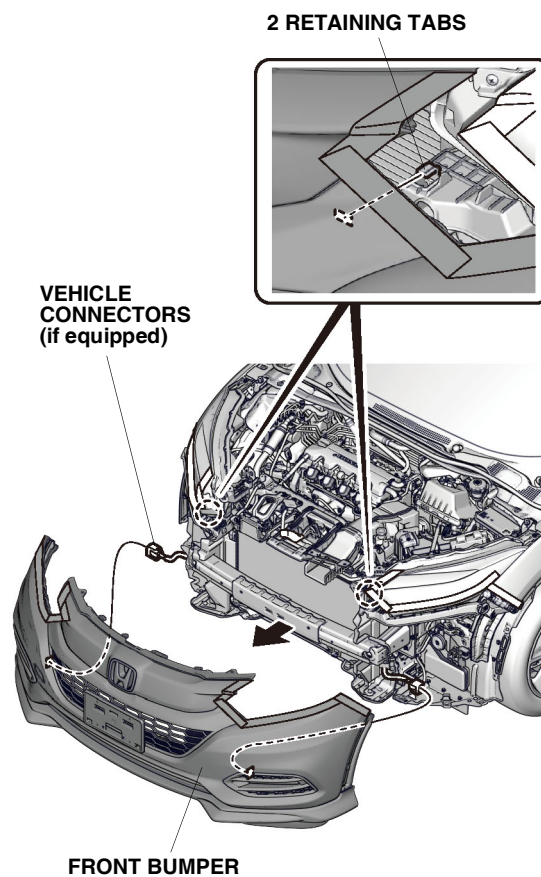
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- Release the five retaining tabs on each side.



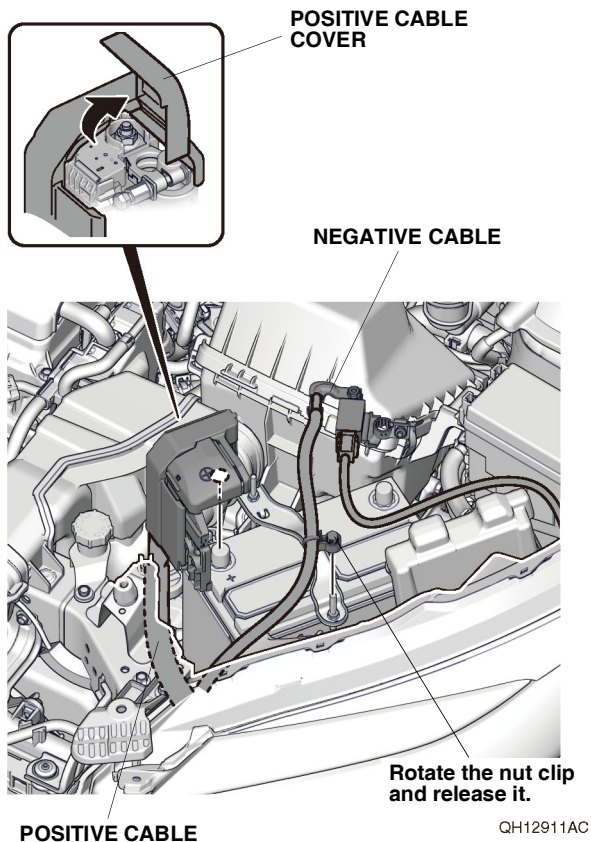
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- With the help of an assistant, remove the front bumper and unplug the vehicle connectors (if equipped).
- Place the front bumper on a blanket.

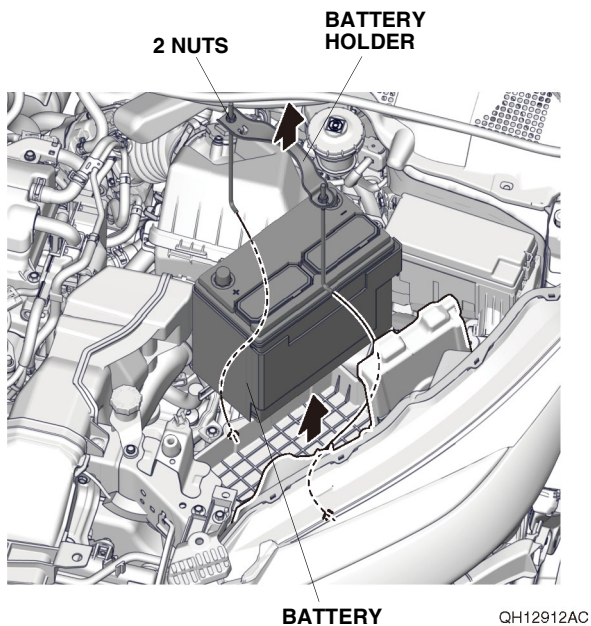


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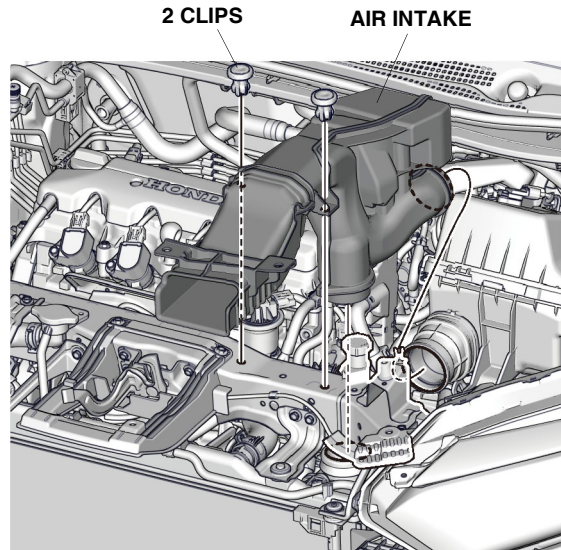
7. Open the positive cable cover, and disconnect the positive cable from the battery. Release the nut clip on the negative cable.



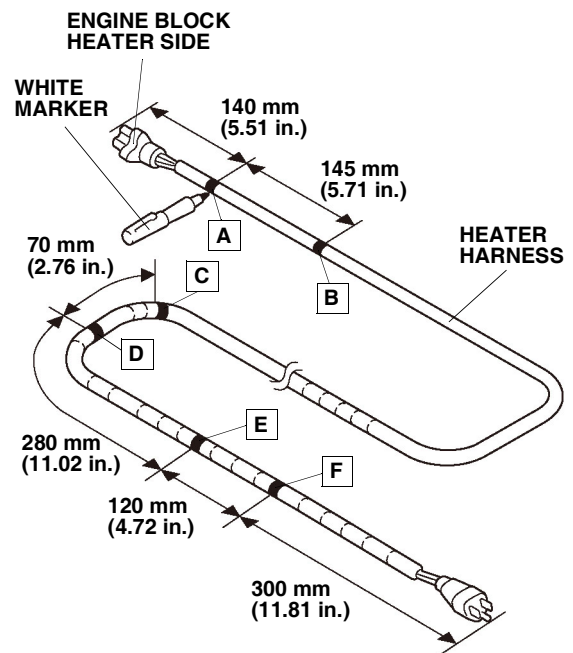
8. Remove the battery.



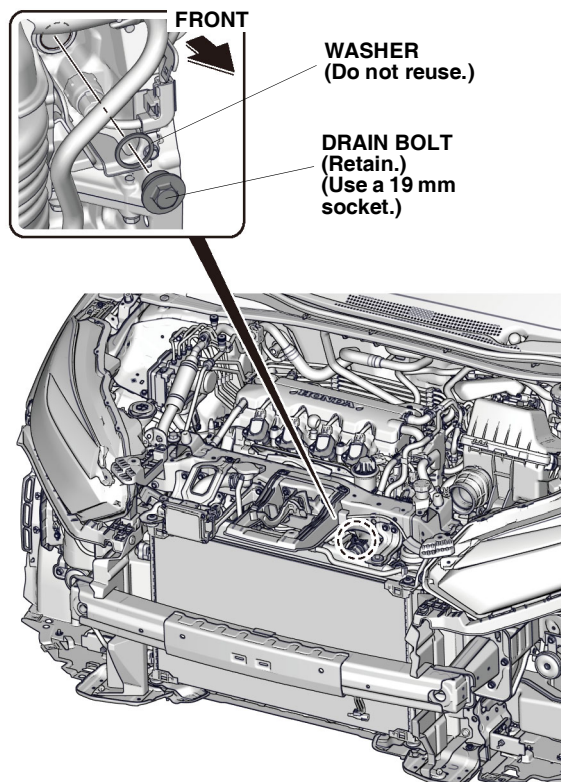
9. Remove the air intake.



10. Using a tape measure, measure and mark the heater harness as shown.

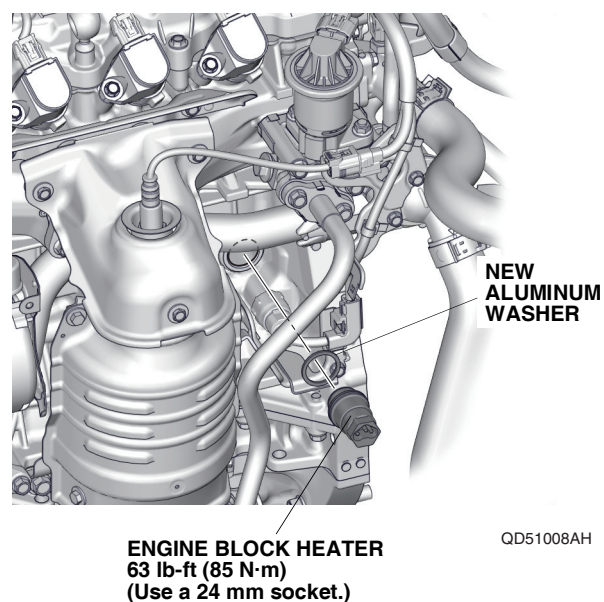


11. Locate and remove the drain bolt and washer. Coolant remaining in the engine jackets will flow out of the bolt hole when the bolt is removed. Retain the drain bolt in case the engine block heater is removed.
- NOTE:** Use a new washer if you need to install the drain bolt.

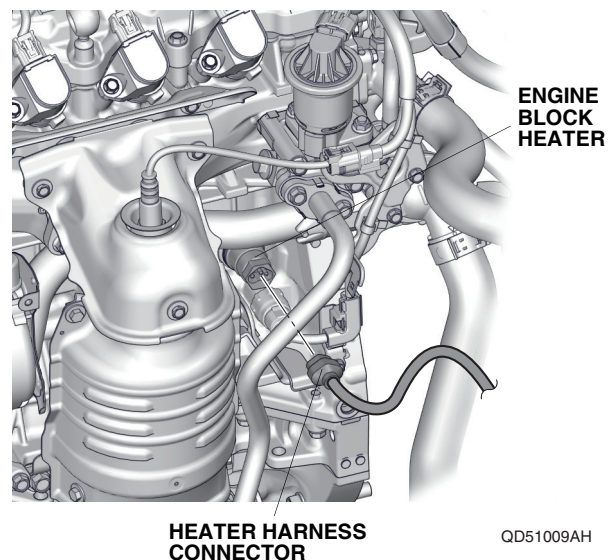


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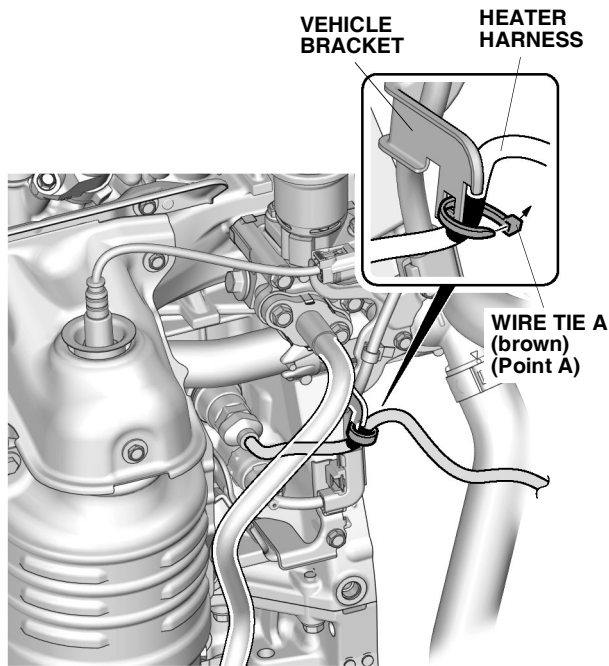
12. Install the engine block heater with the new aluminum washer into the bolt hole using a 24 mm socket. Torque the engine block heater to 63 lb-ft (85 N·m).



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

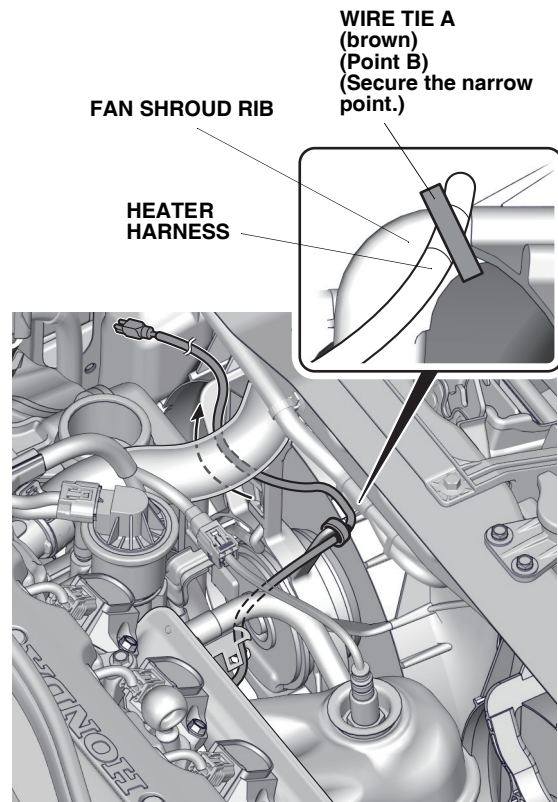


14. Secure the heater harness to the vehicle bracket with one wire tie A at point **A**.



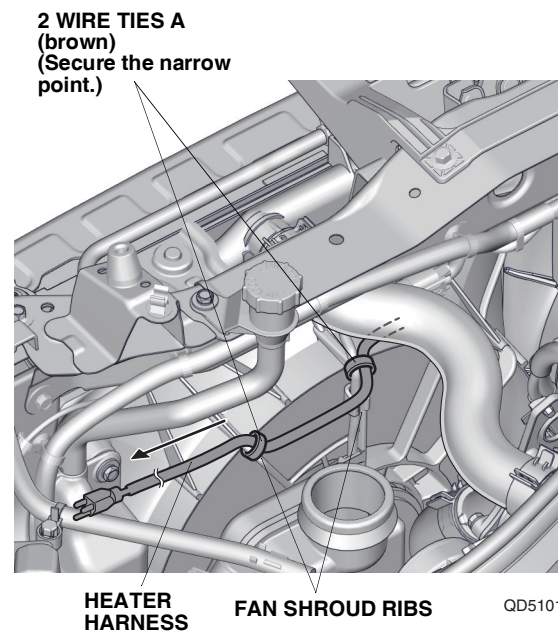
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15. Route the heater harness toward the fan shroud, and secure it to the fan shroud rib with one wire tie A at point **B**.



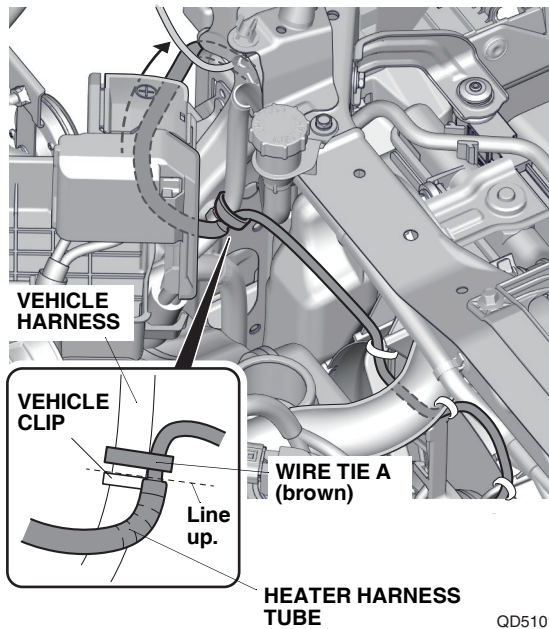
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16. Route the heater harness across the fan shroud, and secure it to the fan shroud ribs with two wire ties A.

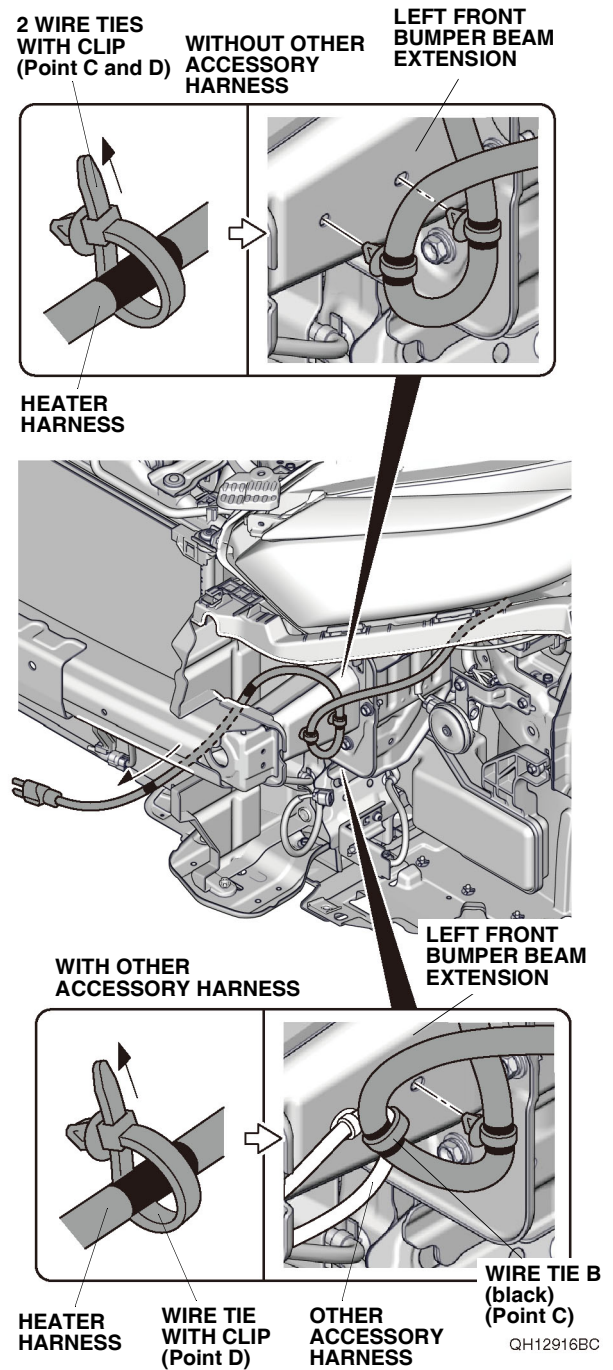


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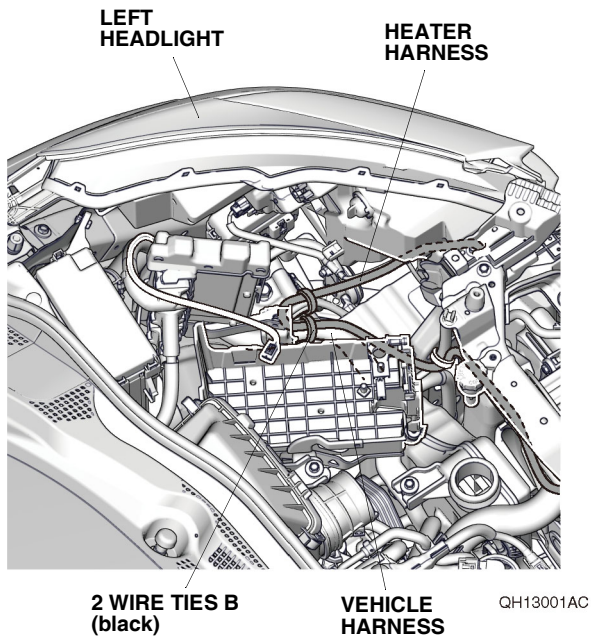
17. Route the heater harness through the front bulkhead, and secure it to the vehicle harness with one wire tie A as shown.



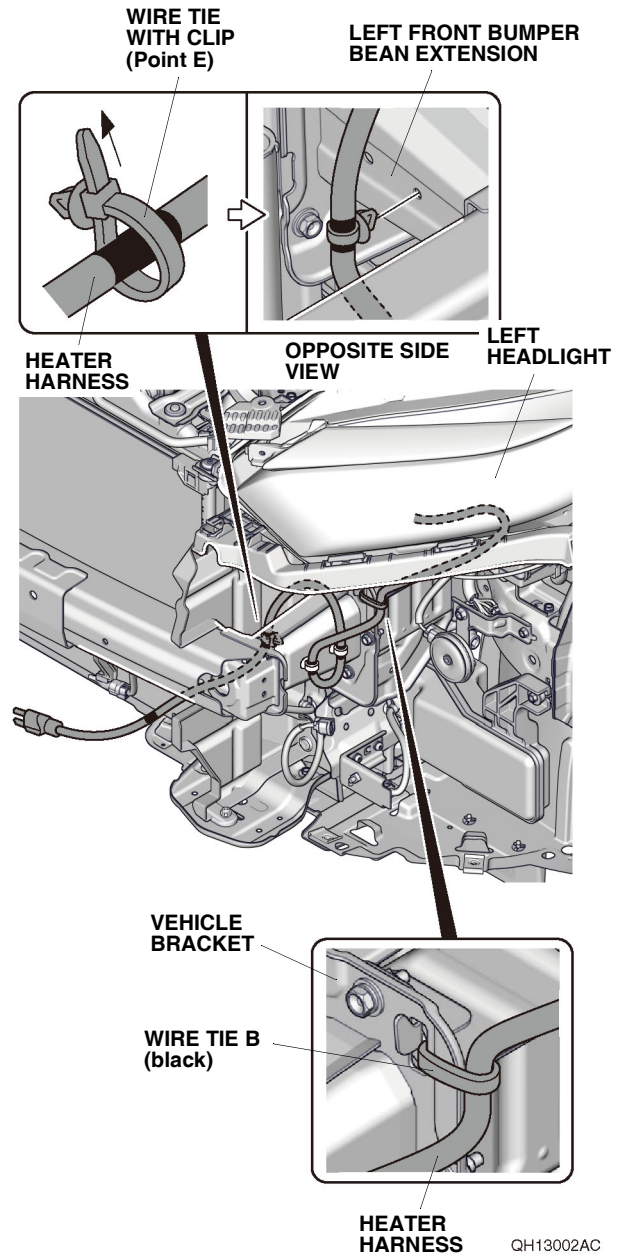
18. Route the heater harness as shown, and secure it to the left front bumper beam extension with two wire ties with clip at point **C** and **D**.
NOTE: If the vehicle is already equipped with the another accessory harness, secure the heater harness to it with one wire tie B at point **C**, and it secure to the left front bumper beam extension with one wire tie with clip at point **D**.



19. Secure the heater harness to the vehicle harness with two wire ties B.

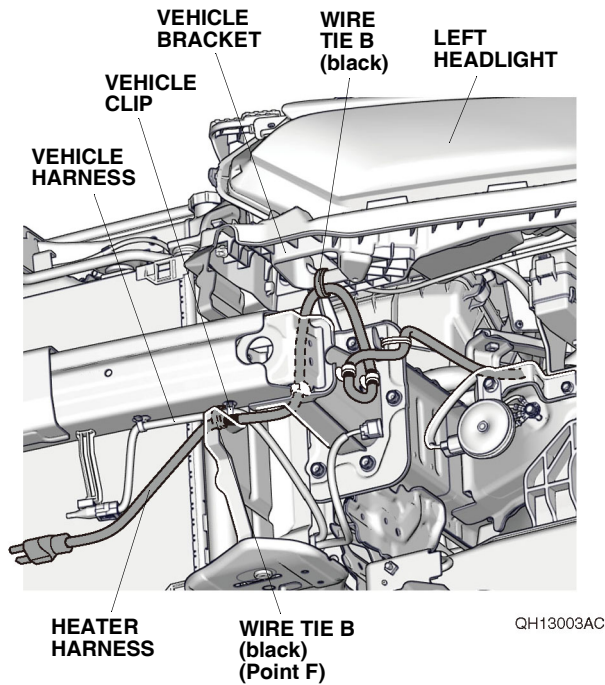


20. Secure the heater harness to the left front bumper beam extension with one wire tie with clip at point E.



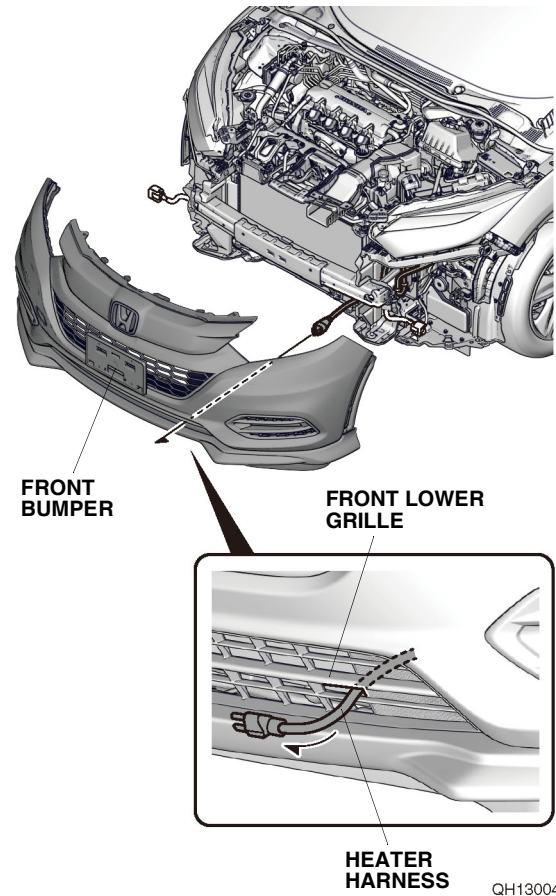
21. Secure the heater harness to the vehicle bracket with one wire tie B.

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

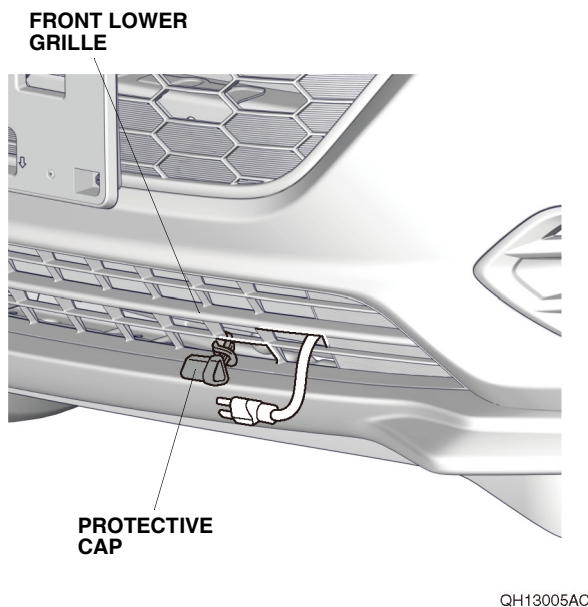


23. Secure the heater harness to the vehicle bracket with one wire tie B.

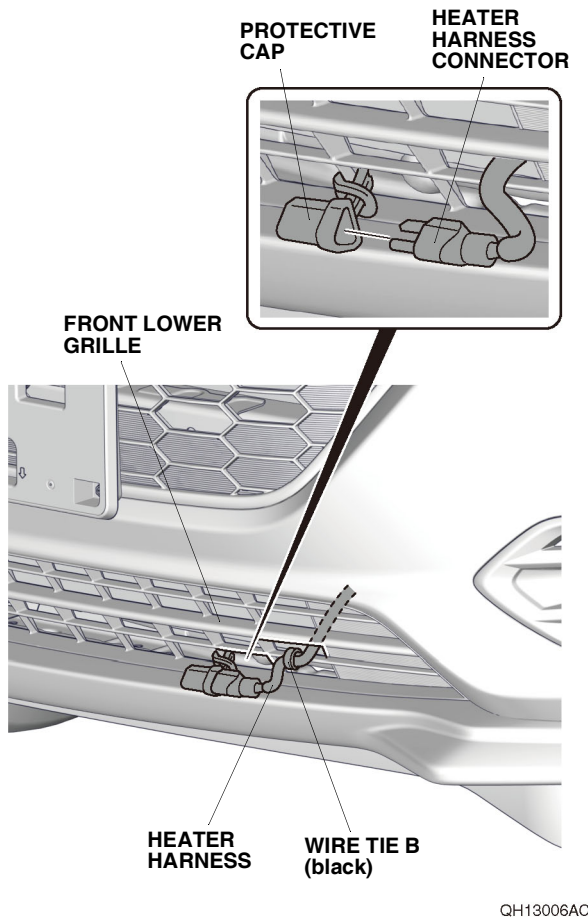
24. With the help of an assistant, bring the front bumper close to the vehicle. Route the heater harness through the front lower grille, then install the front bumper.



25. Secure the protective cap to the front lower grille as shown.



26. Plug the heater harness connector into the protective cap.



27. Secure the heater harness to the lower grille with one wire tie B.

28. Install all removed parts.
29. Install the radiator drain plug.
30. Remove the radiator cap, and fill the system with the recommended coolant. Follow the instructions in the service information to fill the cooling system and check for leaks. Make sure there are no leaks around the engine block heater.
31. Make sure that the heater harness is routed properly and all connectors are plugged in.
32. Install the radiator cap.
33. Put the drain bolt (removed in step 11) in the glove box.
34. Connect the positive cable to the battery, then connect the negative cable to the battery.
35. Press and hold the audio unit power button for 2 seconds to restore audio and navi (if equipped) system functions.
36. Set the clock on vehicles without navigation.
37. If necessary, restore the systems back to normal operation as described in the service information.