

PARTS LIST

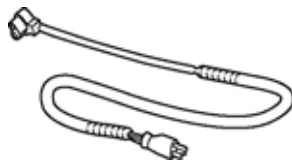
Engine block heater



Aluminum washer



Heater harness



Protective cap


 2 Wire ties A
(beige)
(Some may not be used)

 5 Wire ties B
(brown)

 12 Wire ties C
(black)
(2 Not used)

 5 Wire ties with clip
(Not 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

Heavy gloves

Drain pan

Tape measure

White marker

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

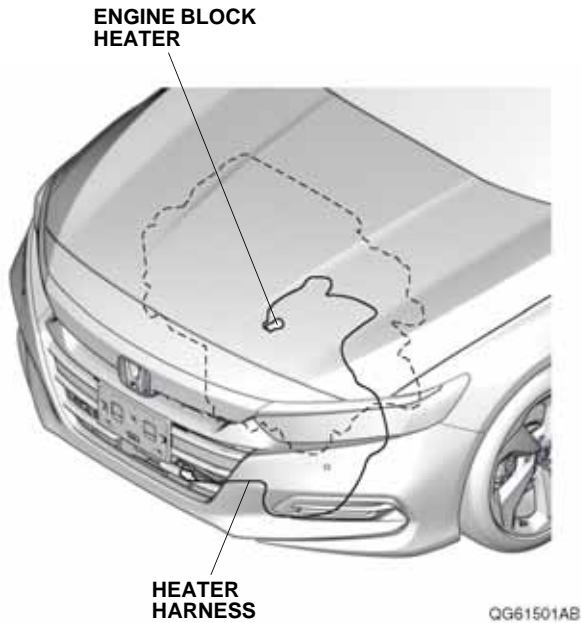
Blanket

Masking tape

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 on the Vehicle



INSTALLATION

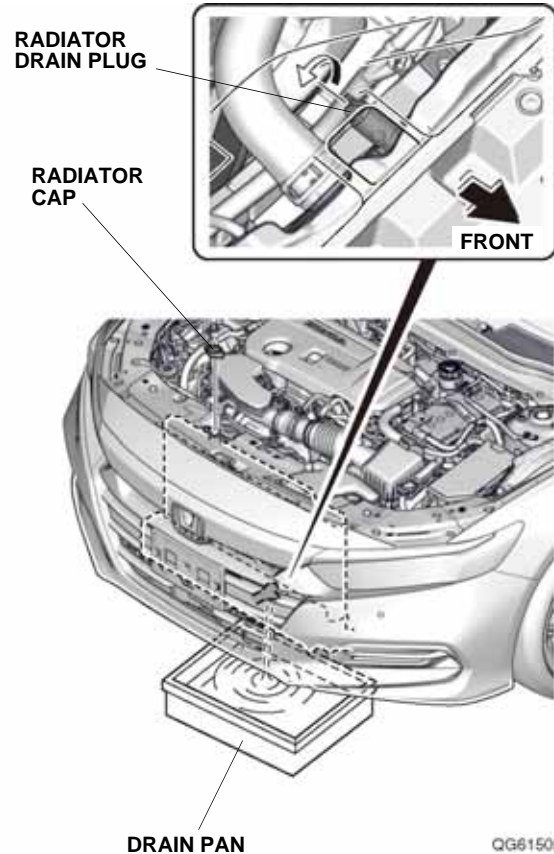
Customer Information: The information in this installation instruction is intended for use only by skilled technicians who have the proper tools, equipment, and training to correctly and safely add equipment to your vehicle. These procedures should not be attempted by “do-it-yourselfers.”

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.

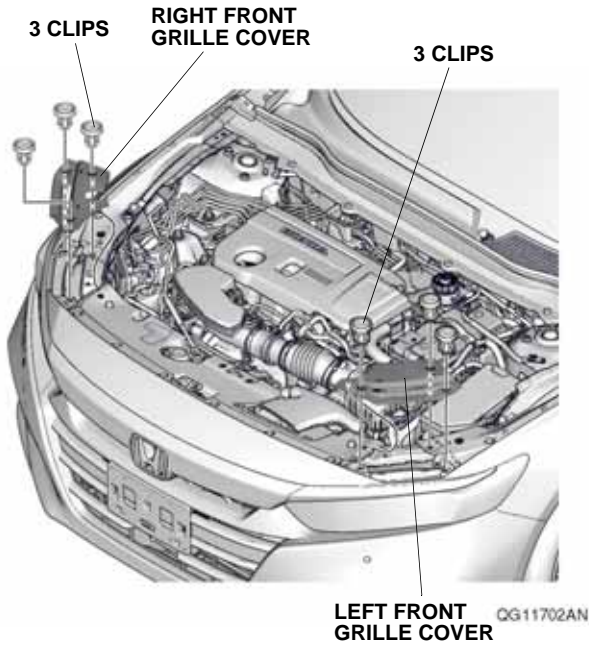
3. Place a clean drain pan under the radiator drain plug, then remove the radiator drain plug from the bottom of the radiator to drain the coolant. Remove the radiator cap to increase the flow.

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

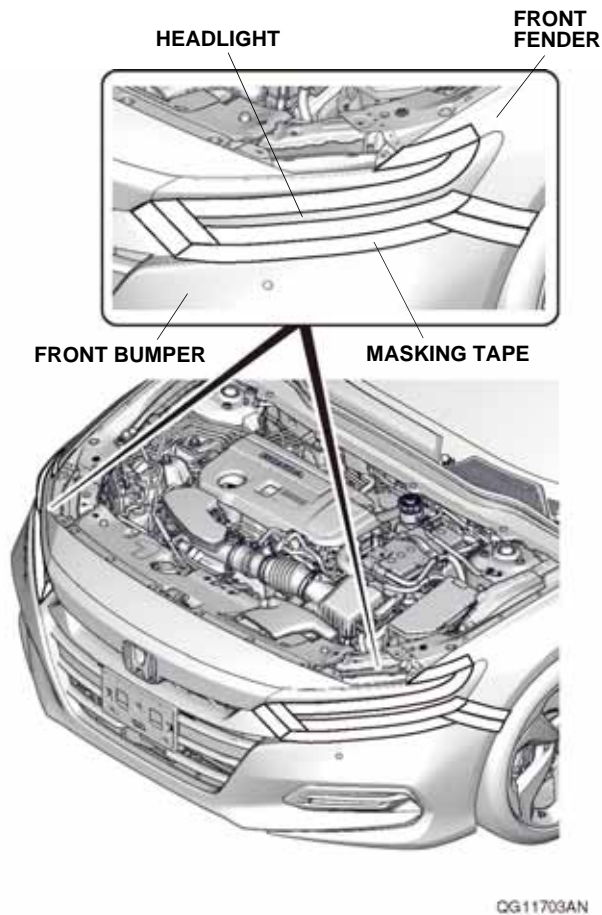


4. Drain the coolant completely, then install the radiator cap.

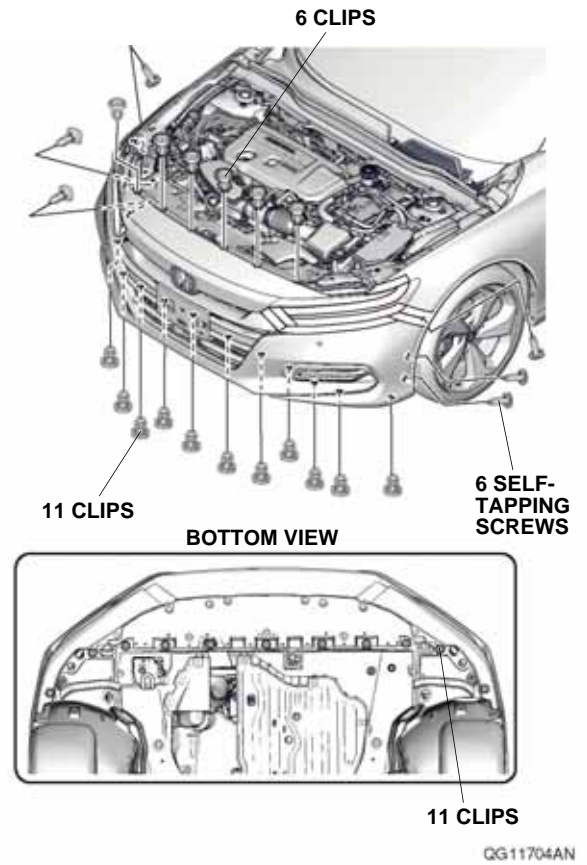
5. Remove the left and right front grille cover.



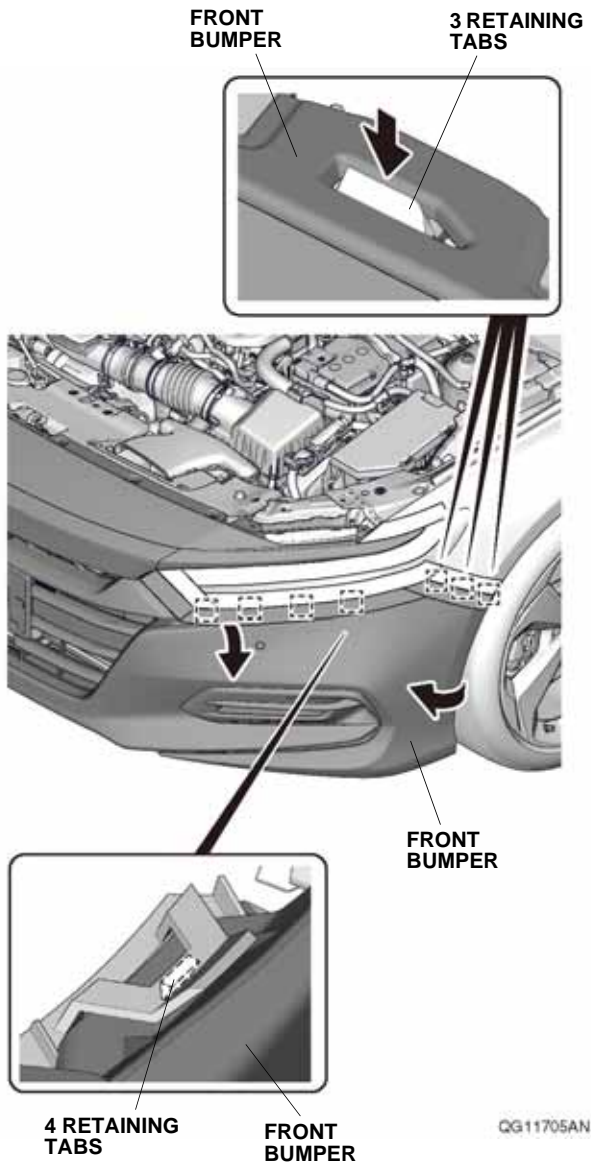
6. Remove the front bumper:
• Apply masking tape as shown.



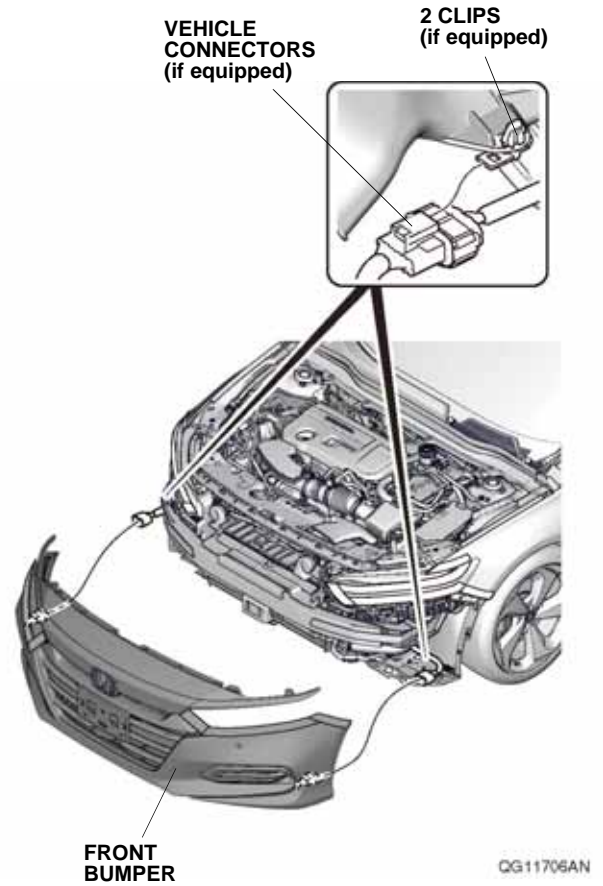
• Remove the six self-tapping screws and 17 clips as shown.



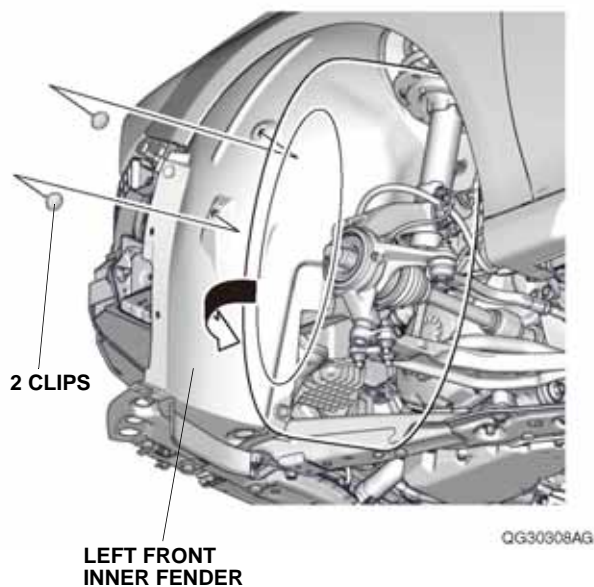
- With the help of an assistant, release the seven retaining tabs on each side.



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

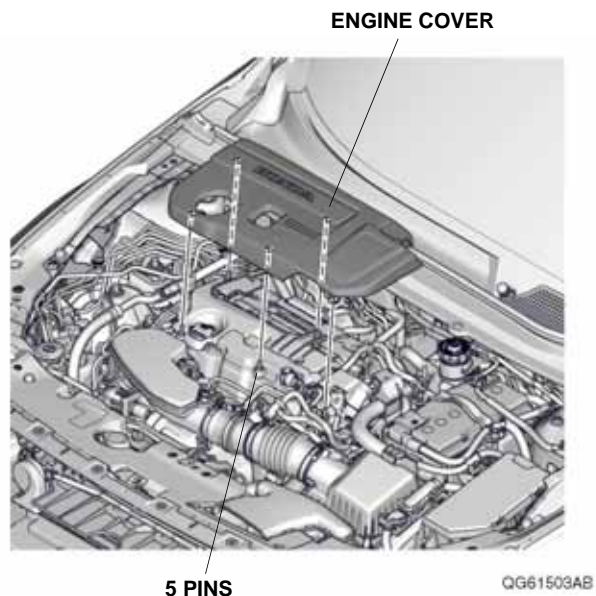


7. Connect the negative cable to the battery, then turn the ignition to ON. Turn the steering wheel fully clockwise and remove the two clips from the left front inner fender.

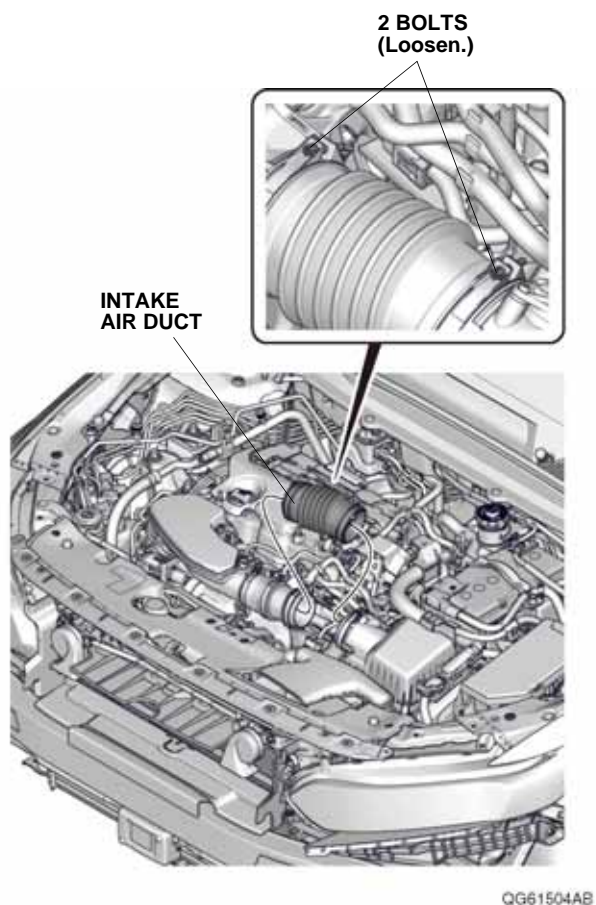


8. Turn the ignition to OFF, then disconnect the negative cable from the battery.

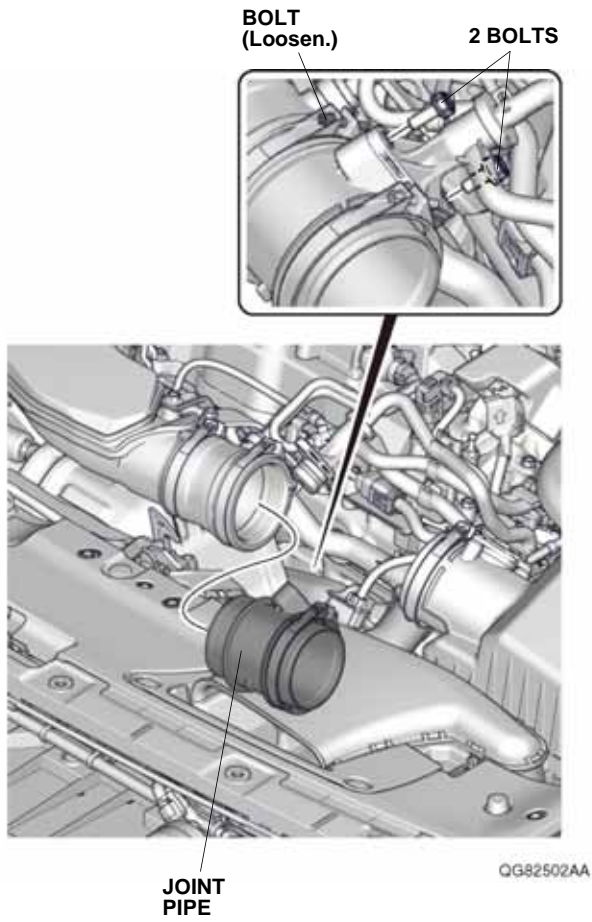
9. Remove the engine cover.



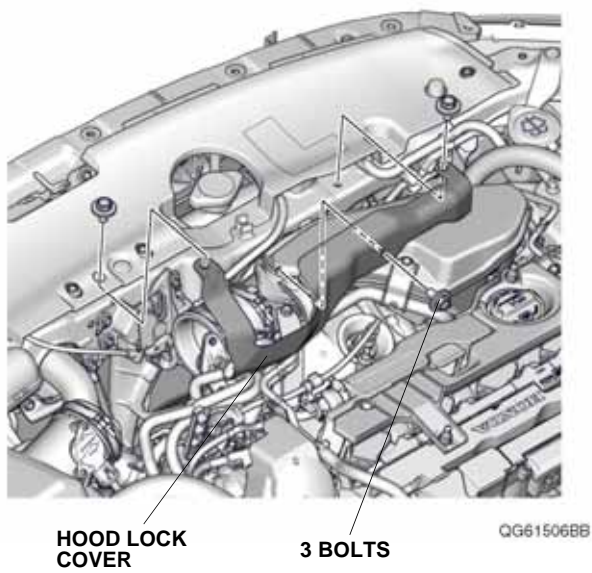
10. Remove the intake air duct.



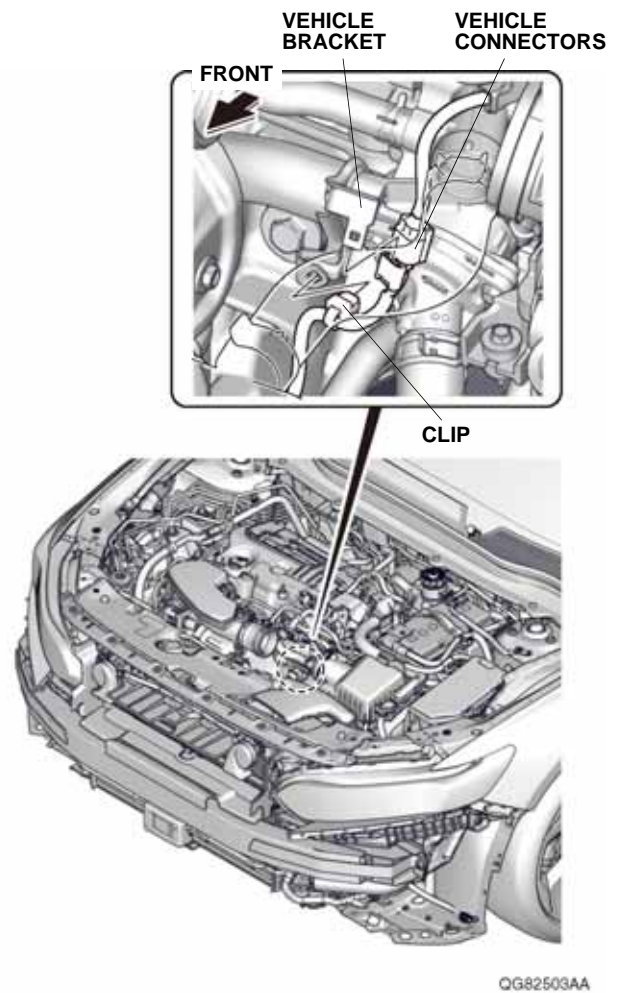
11. Remove the joint pipe.



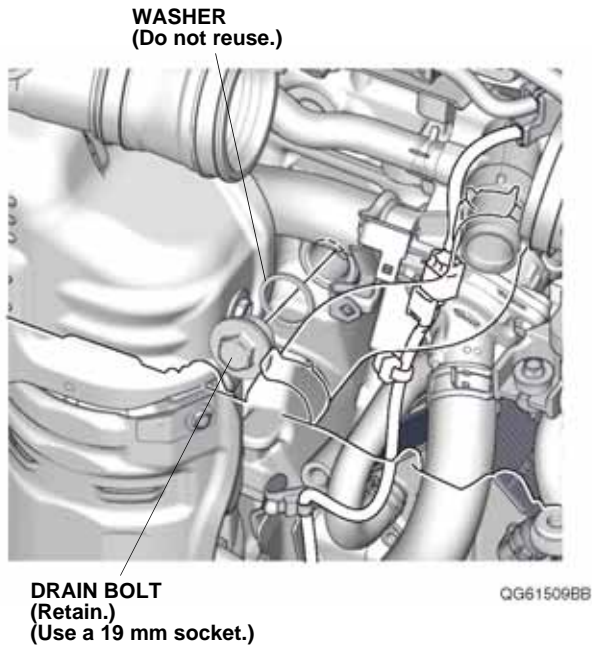
12. Remove the hood lock cover.



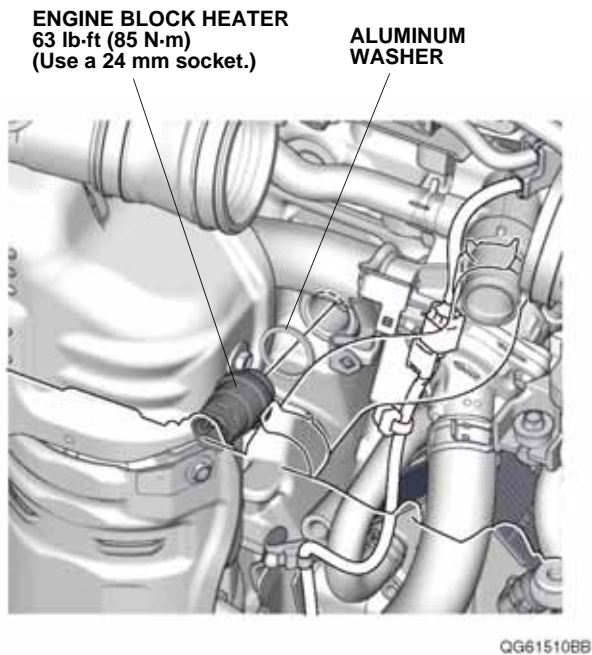
13. Locate and release the vehicle connectors and vehicle harness.



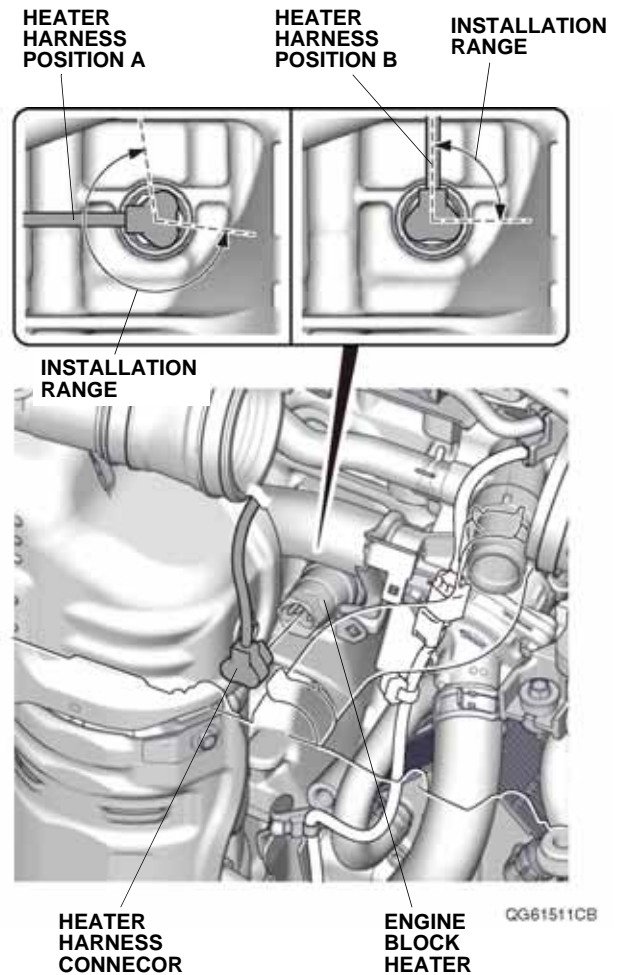
- Remove the drain bolt and washer. Coolant remaining in the engine jackets will flow out of the bolt hole when the bolt is removed. Retain the drain bolt in case the engine block heater is removed.
NOTE: Use a new washer if you need to install the drain bolt.



- 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).



- Plug the heater harness connector into the engine block heater, making sure it is fully seated. Check the heater harness position.

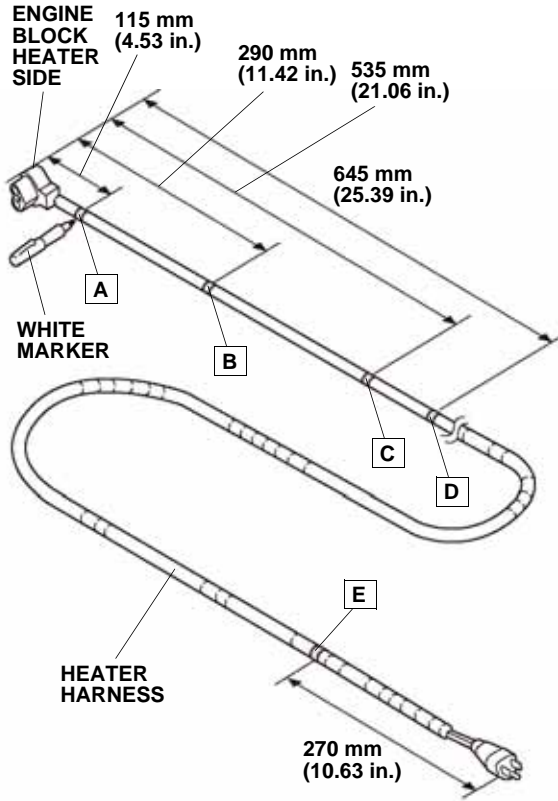


- Unplug the heater harness connector.

If the vehicle requires heater harness position A, continue with step 18; position B, go to step 21.

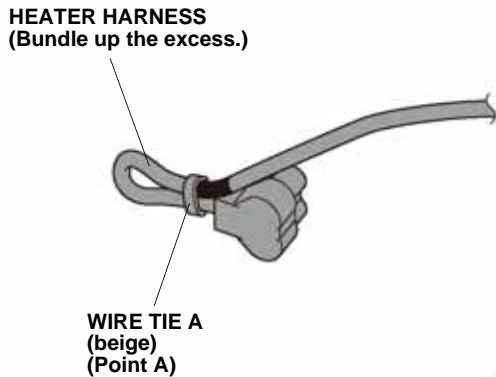
With heater harness position A

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



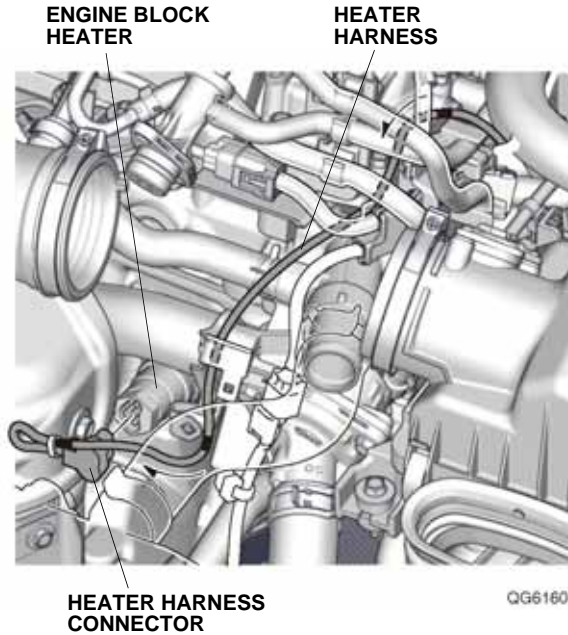
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19. Bundle up the excess heater harness, and secure it with one wire tie A at point A as shown.



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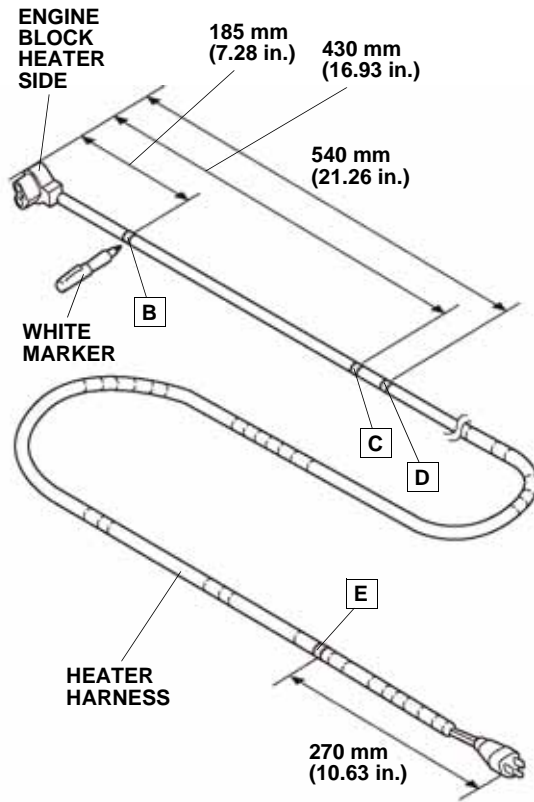
20. Route the heater harness as shown, and plug the heater harness connector into the engine block heater. Make sure the heater harness connector is fully seated in the engine block heater. Go to step 23.



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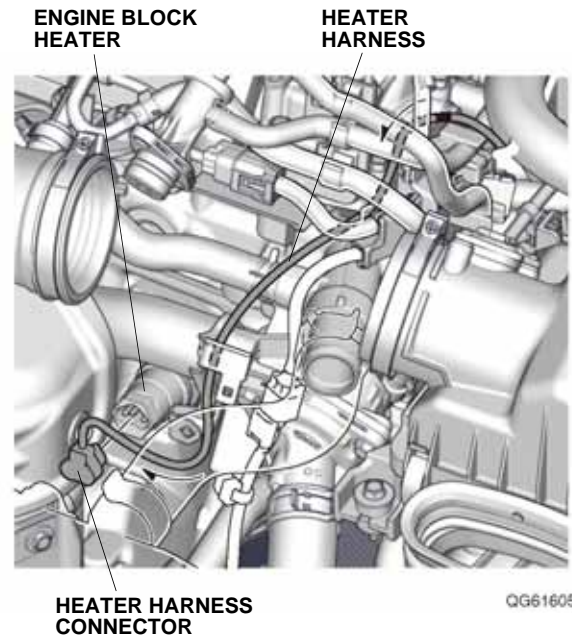
With heater harness position B

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

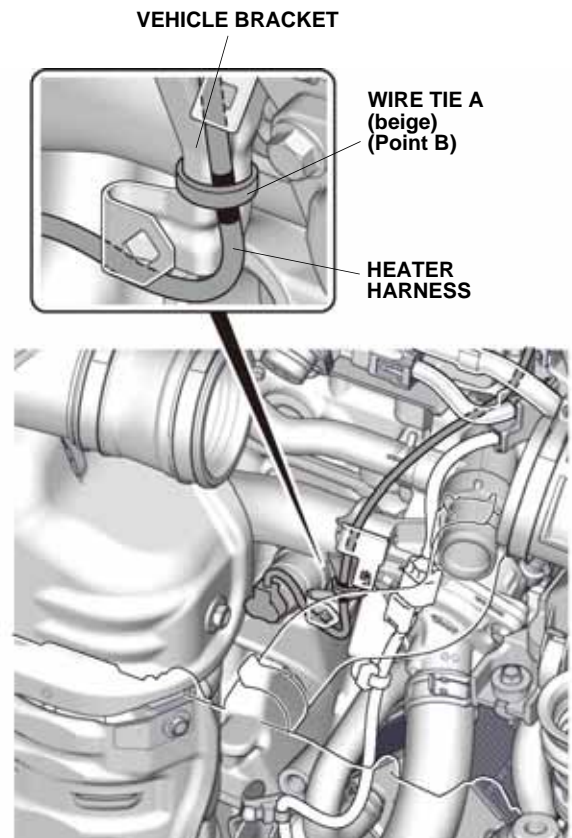


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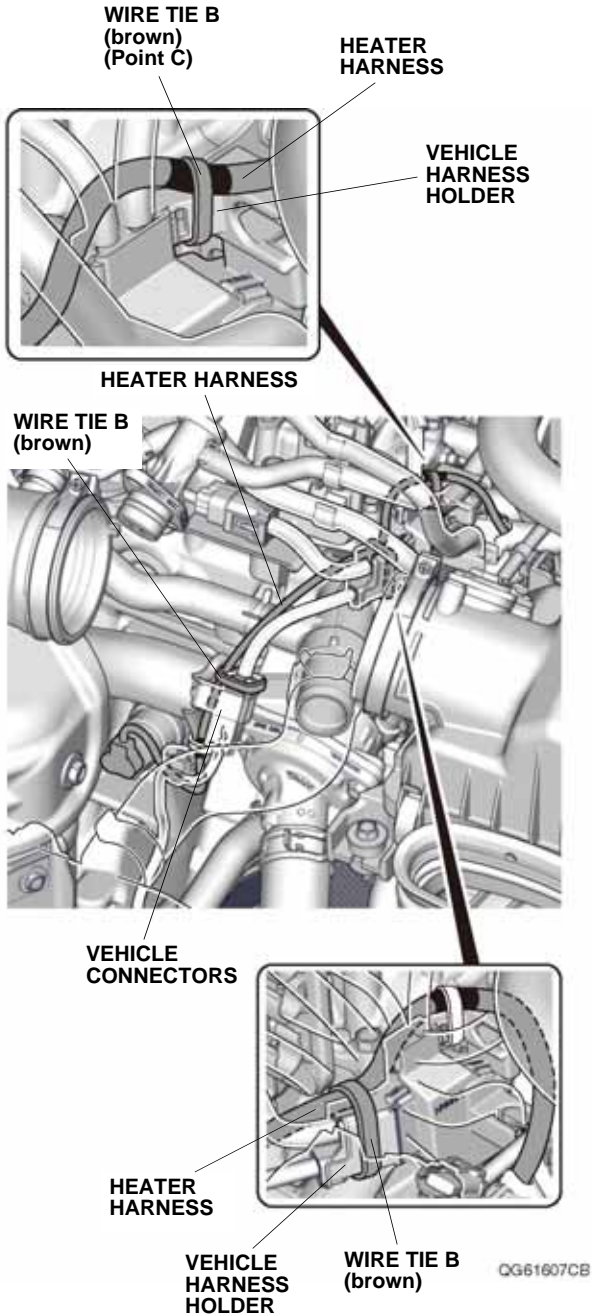
22. Route the heater harness as shown, and plug the heater harness connector into the engine block heater. Make sure the heater harness connector is fully seated in the engine block heater.



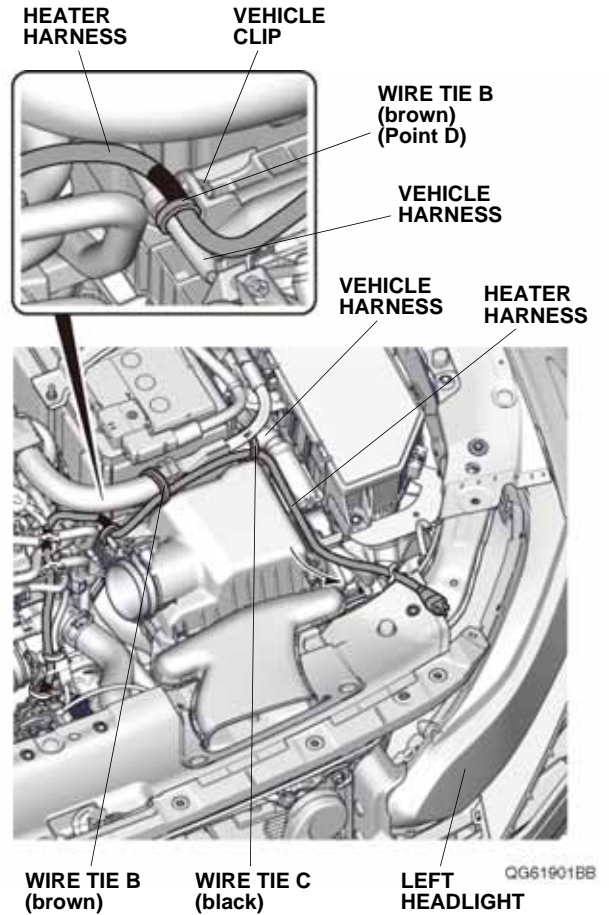
23. Secure the heater harness to the vehicle bracket with one wire tie A at point B.



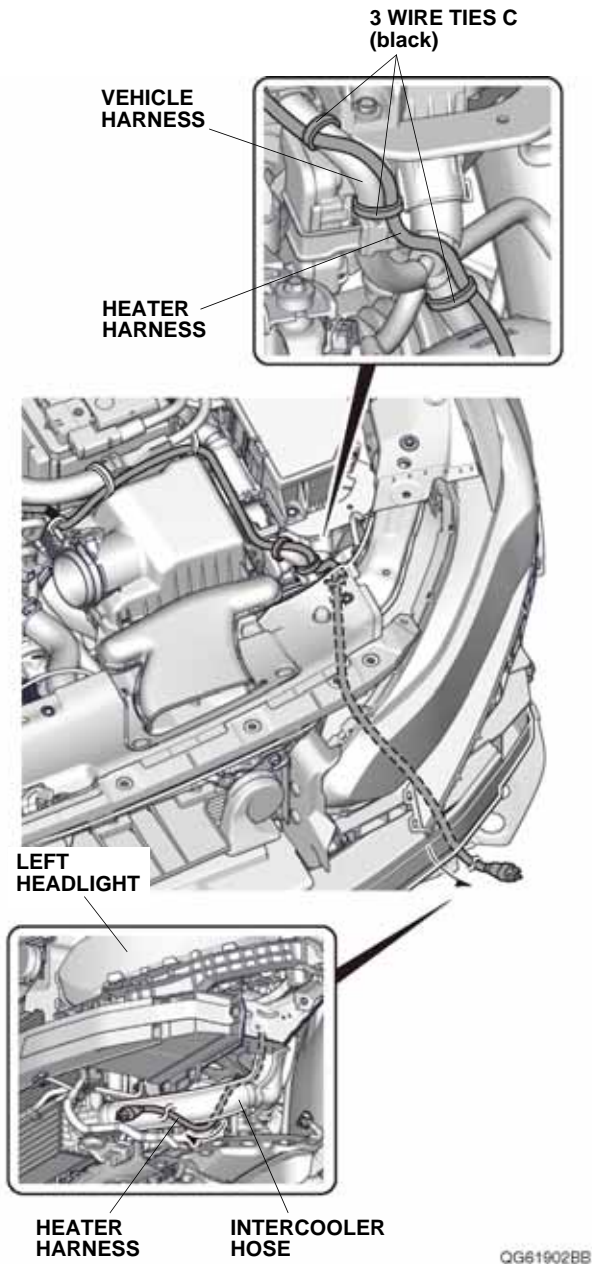
24. Install the vehicle connectors and vehicle harness released in step 13. Secure the heater harness to the vehicle harness holder with one wire tie B at point **C**. Secure the heater harness to the vehicle harness holder and vehicle connectors with two wire ties B.



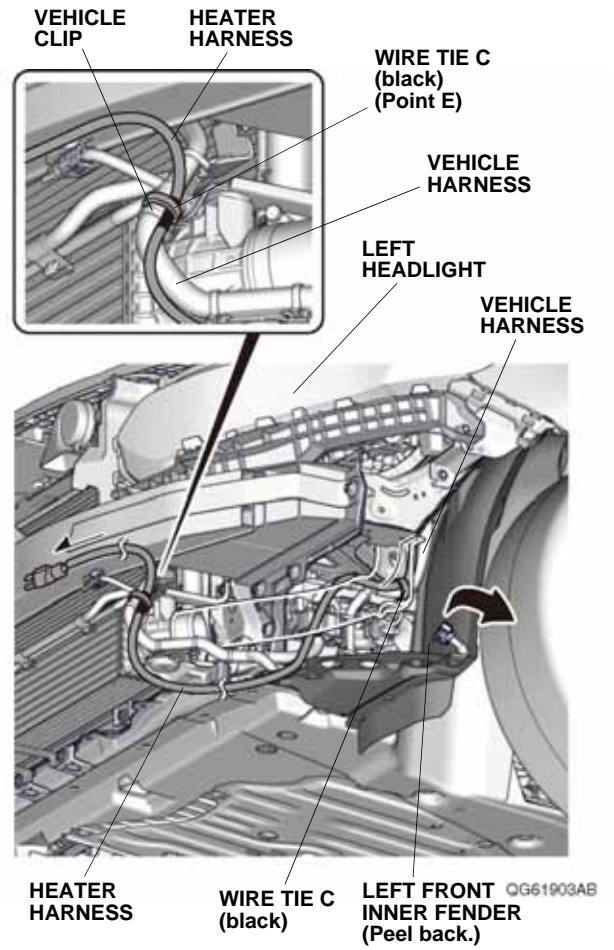
25. Route the heater harness as shown, and secure it to the vehicle harness with one wire tie B at point **D**. Secure the heater harness to the vehicle harness with one wire tie B and one wire tie C.



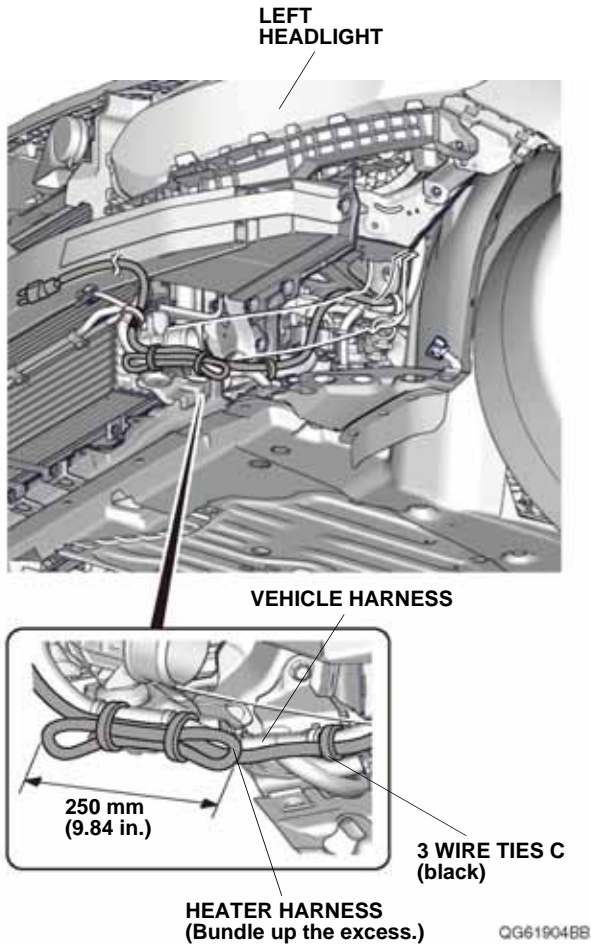
26. Route the heater harness under the intercooler hose, and secure it to the vehicle harness with three wire ties C.



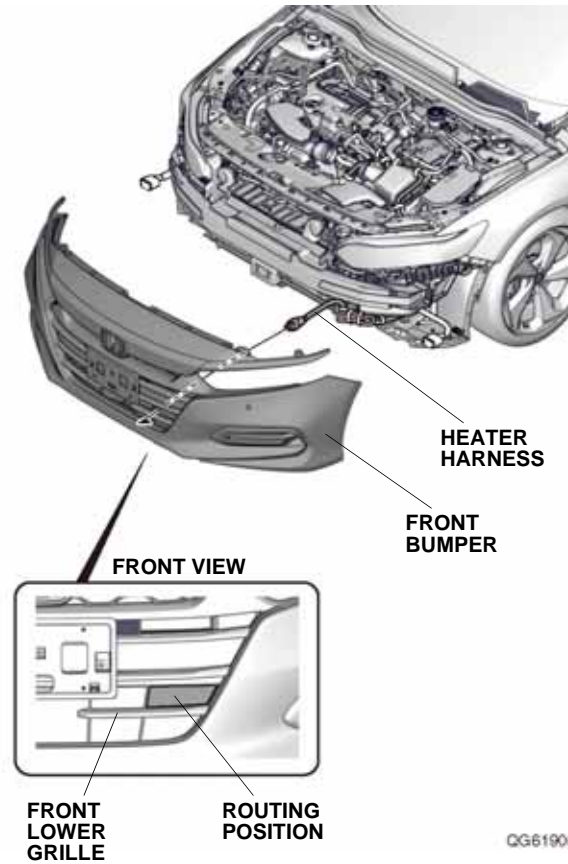
27. Secure the heater harness to the vehicle harness with one wire tie C at point E. Peel back the left front inner fender, and secure the heater harness to the vehicle harness with one wire tie C.



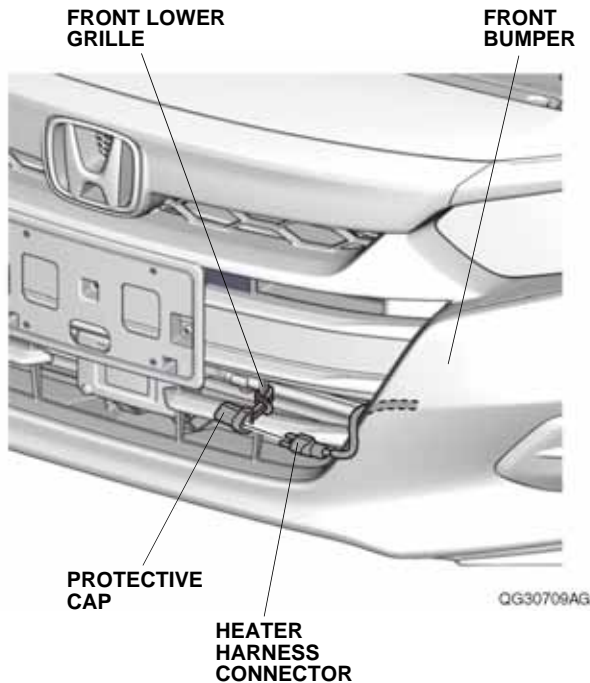
28. Secure the heater harness to the vehicle harness with one wire tie C. Bundle up the excess heater harness, and secure it to the vehicle harness with two wire ties C.



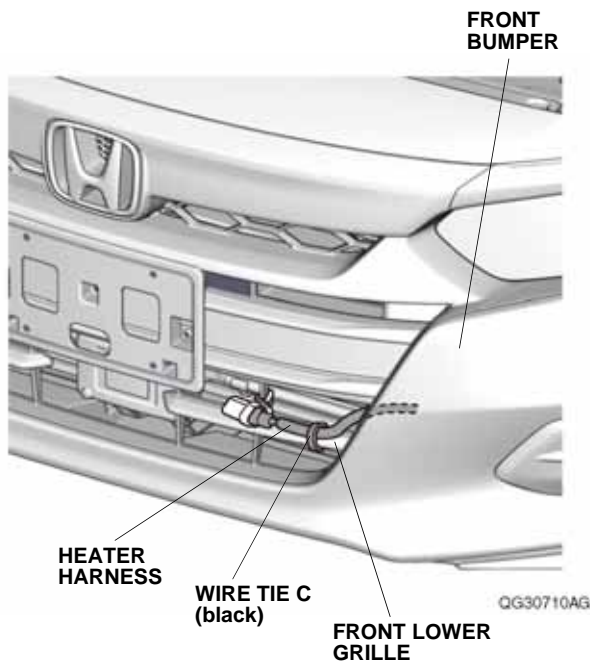
29. With the help of an assistant, bring the front bumper close to the vehicle. Route the heater harness through the front lower grille, then install the front bumper.



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



31. Secure the heater harness to the front lower grille with one wire tie C.



32. Install all removed parts.
33. Install the radiator drain plug.
34. 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.
35. Make sure that the heater harness is routed properly and all connectors are plugged in.
36. Install the radiator cap.
37. Put the drain bolt (removed in step 14) in the glove box.
38. Connect the negative cable to the battery.
39. Press and hold the audio unit power button for 2 seconds to restore audio and navi (if equipped) system functions.
40. Set the clock on vehicles without navigation.
41. If necessary, restore the systems back to normal operation as described in the service information.