

PARTS LIST

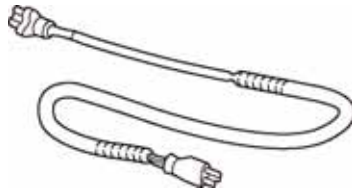
Engine block heater



Aluminum washer



Heater harness



Protective cap

12 Black wire ties
(5 Not used)7 Wire ties with clip
(6 Not used)5 Brown wire ties
(2 Not used)**TOOLS AND SUPPLIES REQUIRED**

Phillips screwdriver

Flat-tip screwdriver

Ratchet

10 mm, 19 mm, and 24 mm Sockets

10 mm Open end wrench

Torque wrench

Diagonal cutters

Pushpin

Drill

3 mm, 6 mm, and 8 mm Drill bits

25 mm Hole saw

File

Eye protection (face shield, safety goggles, etc.)

Heavy gloves

Drain pan

Ruler

Tape measure

White marker

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

Blanket

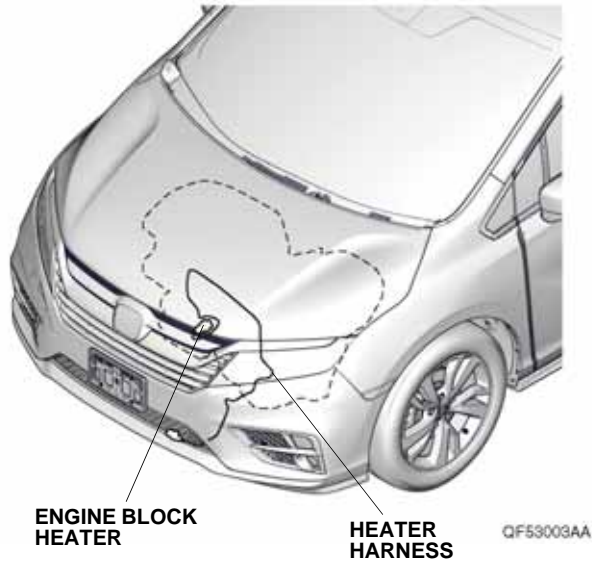
Masking tape

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 on the Vehicle



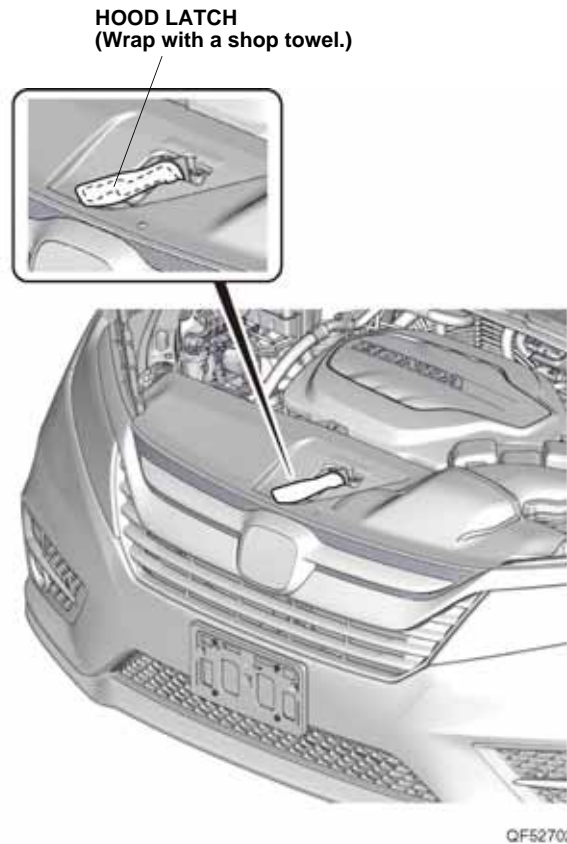
INSTALLATION

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.”

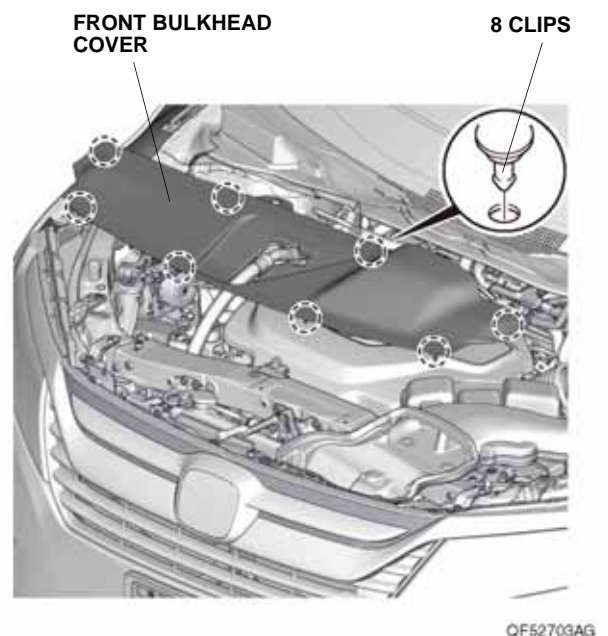
NOTE:

- Always use Honda 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. Allow the engine and all cooling system components to cool down.

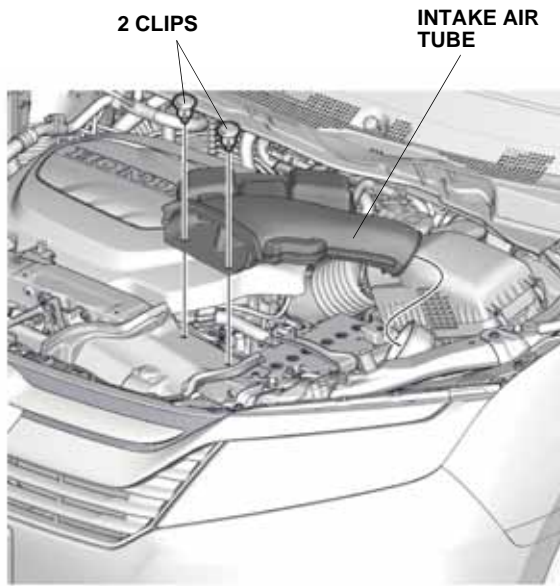
2. Disconnect the negative cable from the battery:
 - Wrap a shop towel around the hood latch.



- Remove the front bulkhead cover.

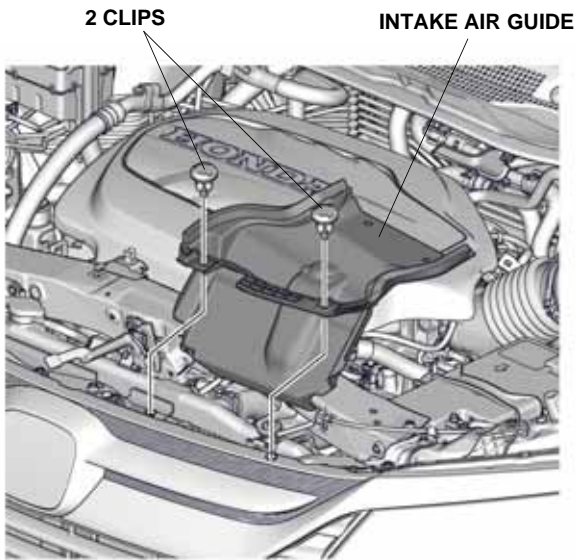


- Remove the intake air tube.
- Disconnect the negative cable from the battery.



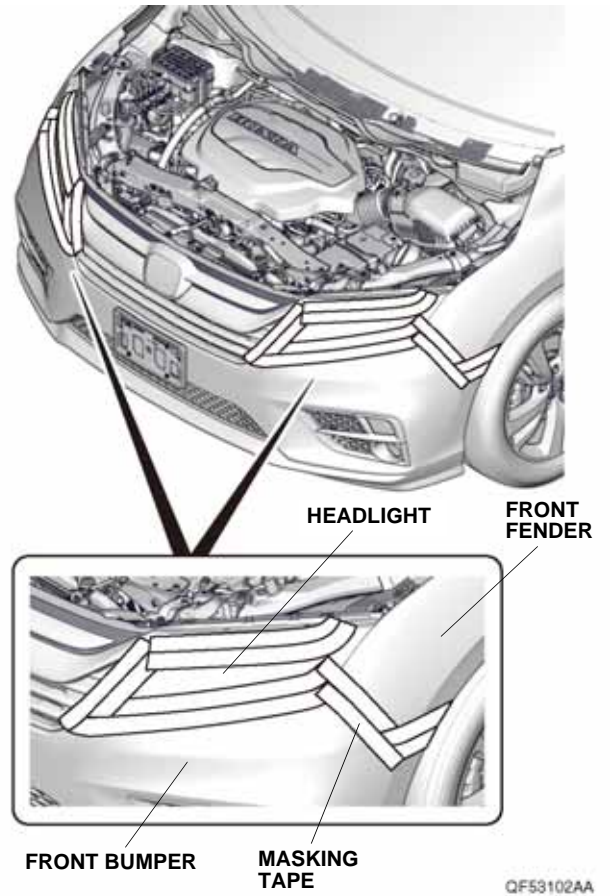
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3. Remove the front bumper:
- Remove the intake air guide.



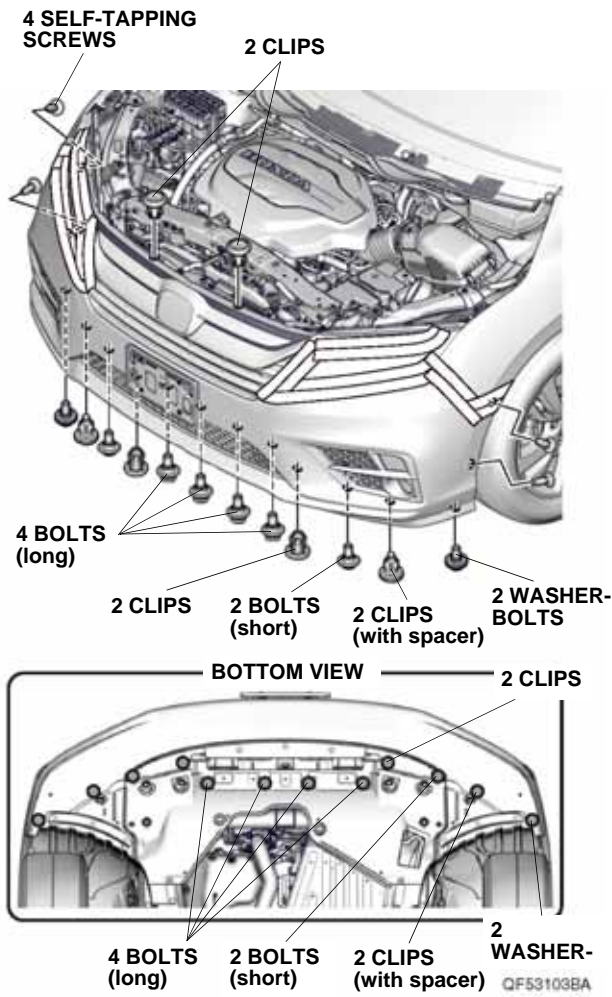
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- Apply masking tape to the areas shown on each side.

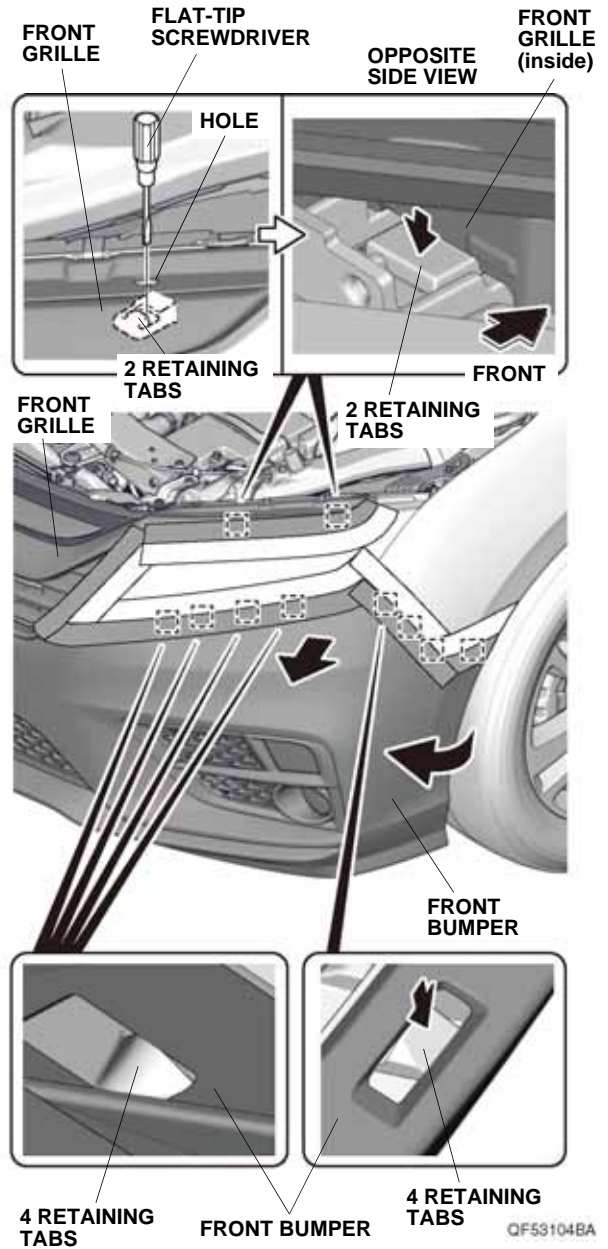


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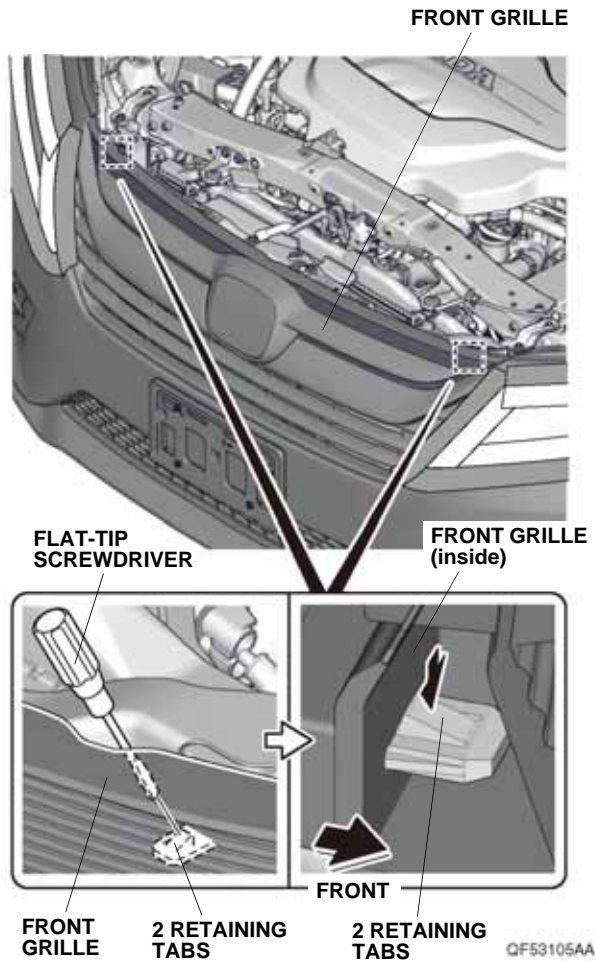
- Remove the four self-tapping screws, four clips, two clips with spacer, two washer-bolts, two short bolts, and four long bolts.



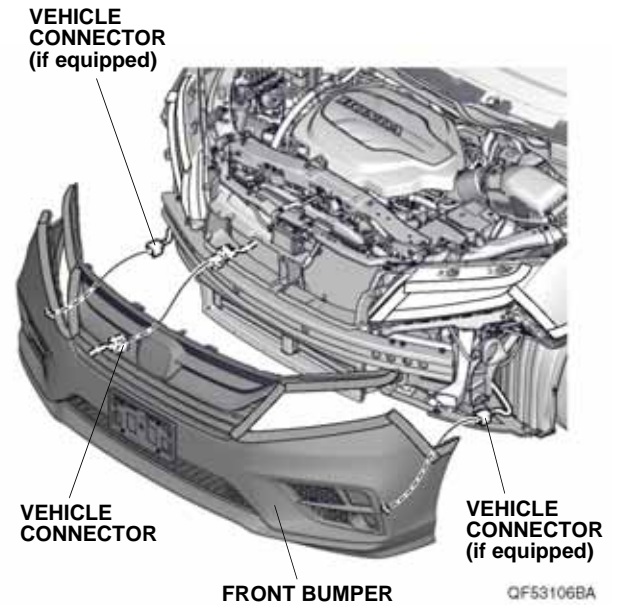
- With the help of an assistant, release the 10 retaining tabs on each side.



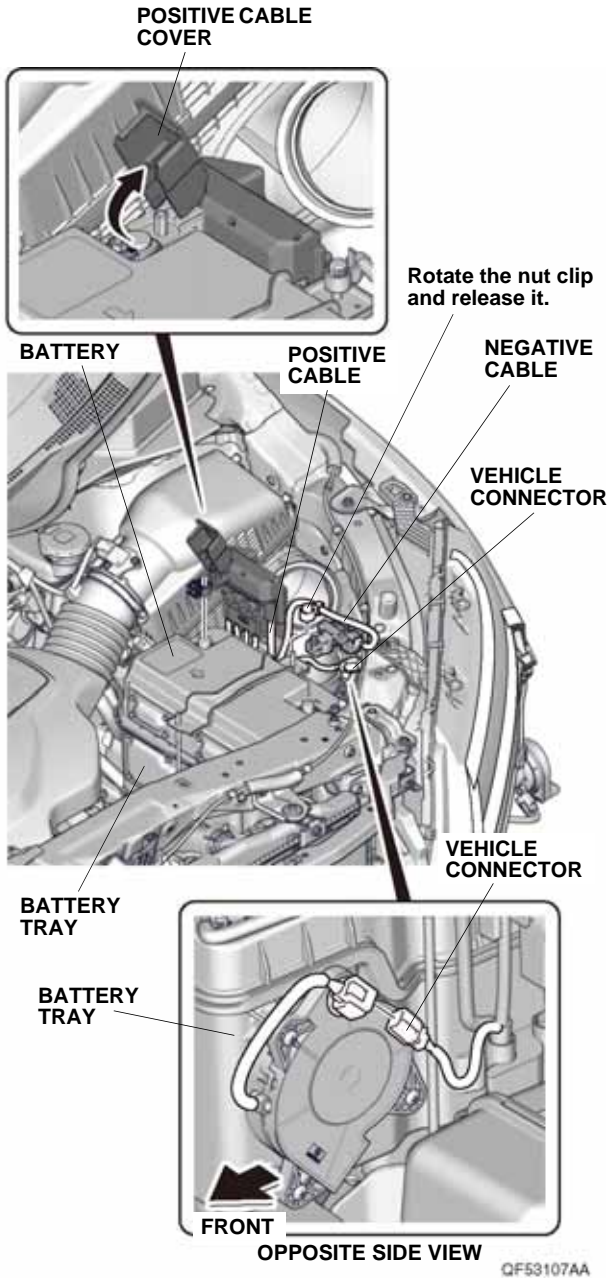
- Release the two retaining tabs.



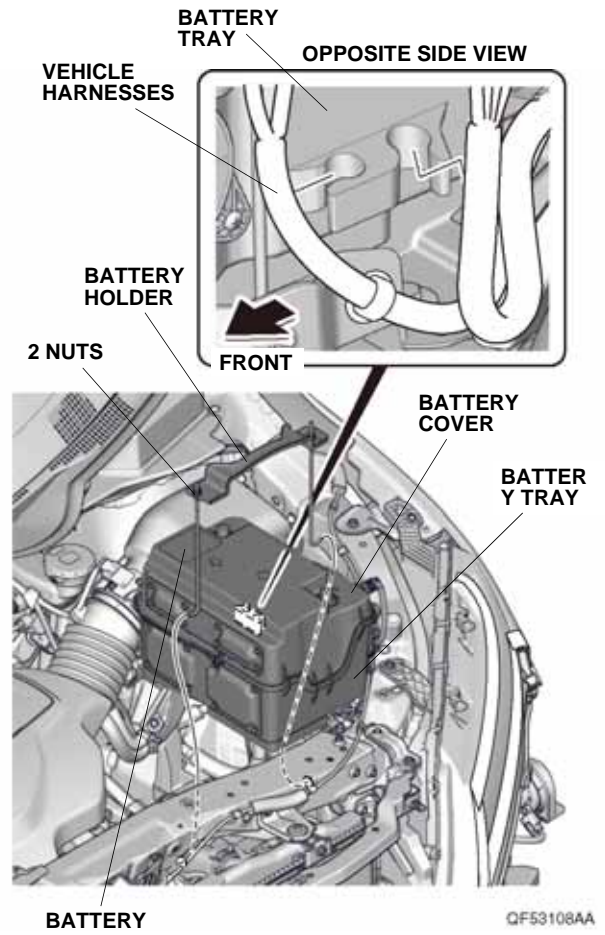
- With the help of an assistant, remove the front bumper and unplug the vehicle connectors if necessary.
- Place the front bumper on a blanket.



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

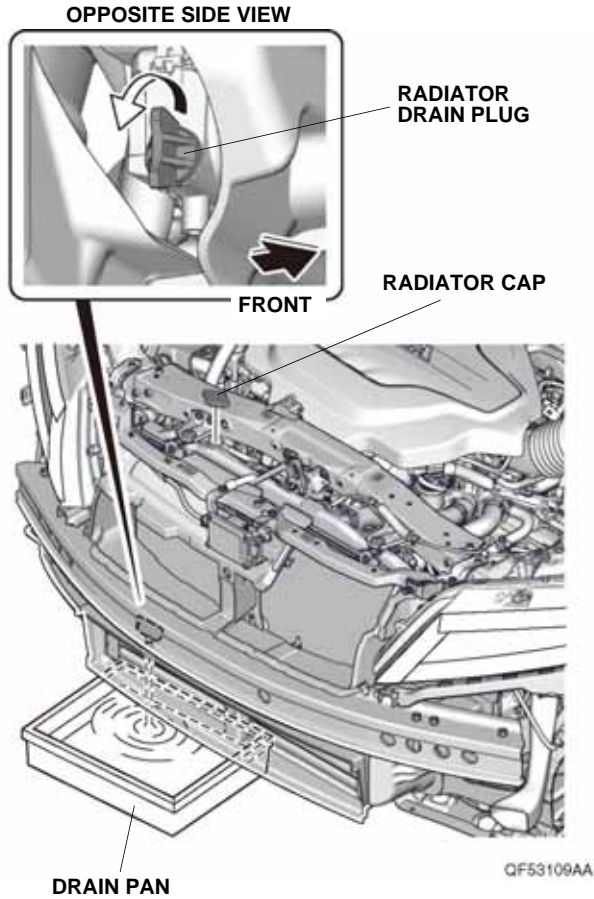


- Remove the battery, battery holder, battery cover, and battery tray.



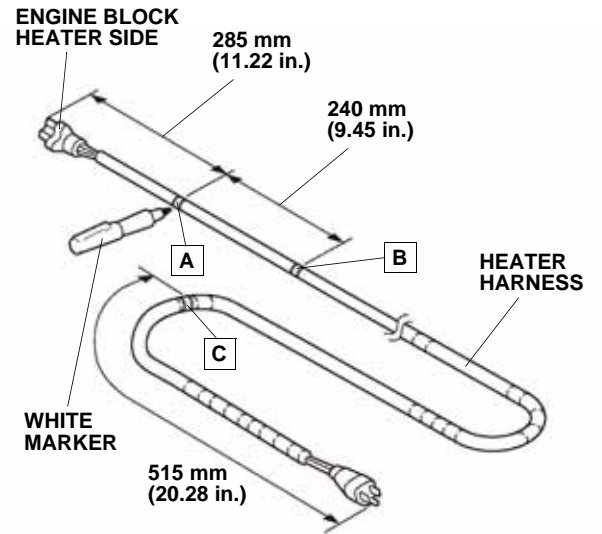
- Place a clean drain pan under the radiator drain plug, then remove the radiator drain plug from the bottom of the radiator to drain the coolant. Remove the radiator cap to increase the flow.

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

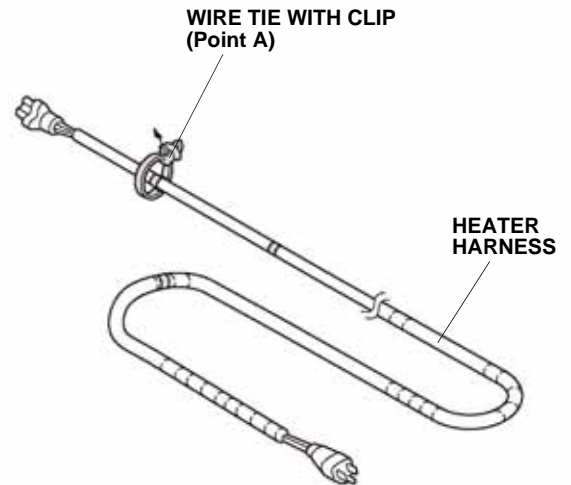


- Drain the coolant completely, then reinstall the radiator cap.

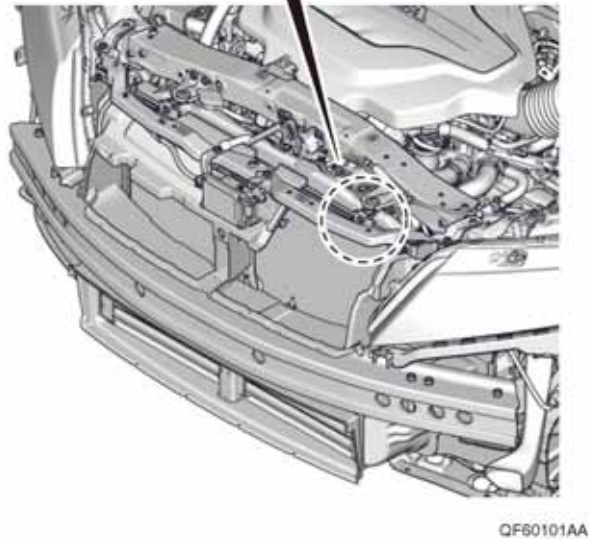
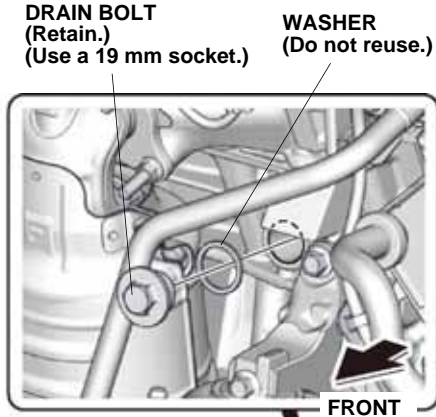
- Using a tape measure, measure and mark the heater harness as shown.



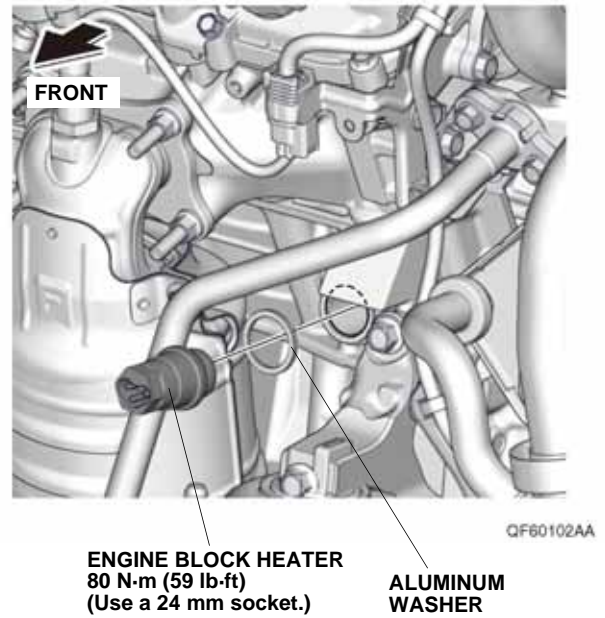
- Install one wire tie with clip to the heater harness as shown.



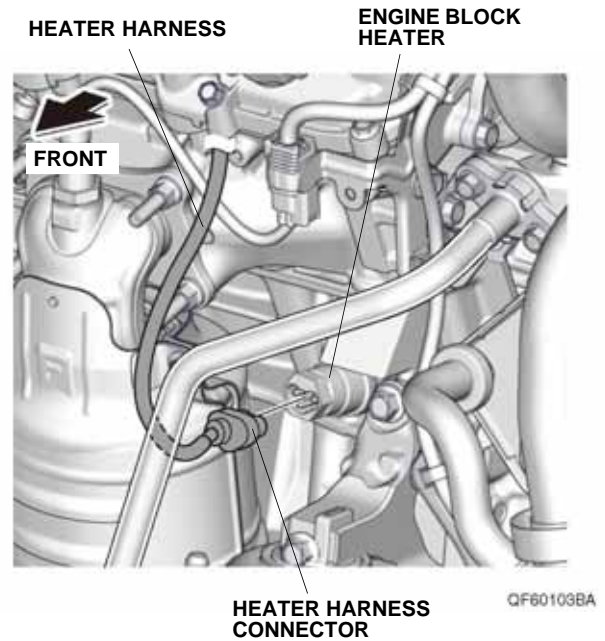
10. Locate and remove the drain bolt and washer. Coolant remaining in the engine jackets flows out of the hole when the drain bolt is removed. Retain the drain bolt; it will be used if the engine block heater is removed.
NOTE: Use a new washer if the drain bolt is reinstalled.



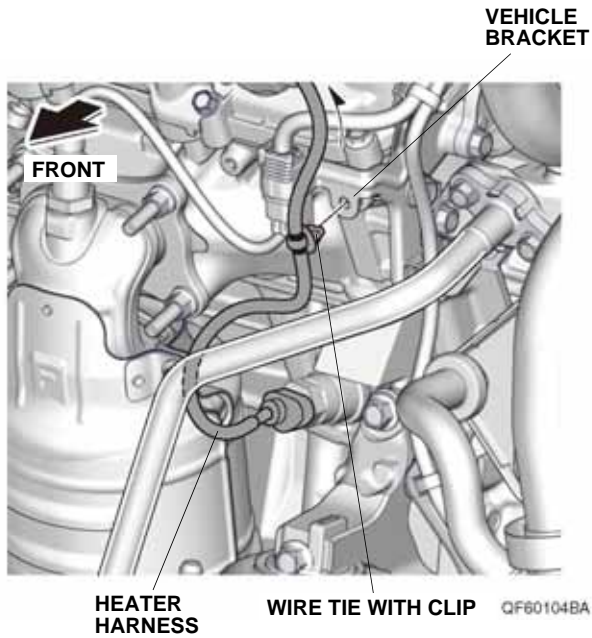
11. Install the engine block heater with the aluminum washer into the bolt hole using a 24 mm socket. Torque the engine block heater to 80 N-m (59 lb-ft).



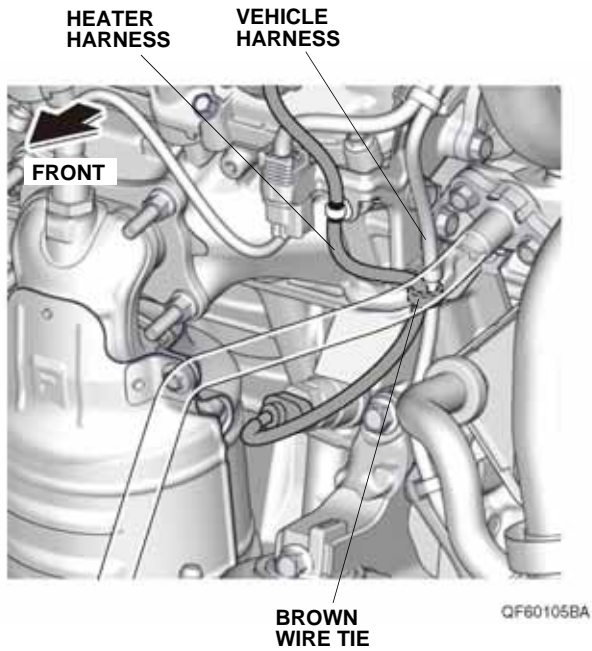
12. Plug the heater harness connector into the engine block heater. Make sure the heater harness connector is fully seated in the engine block heater.



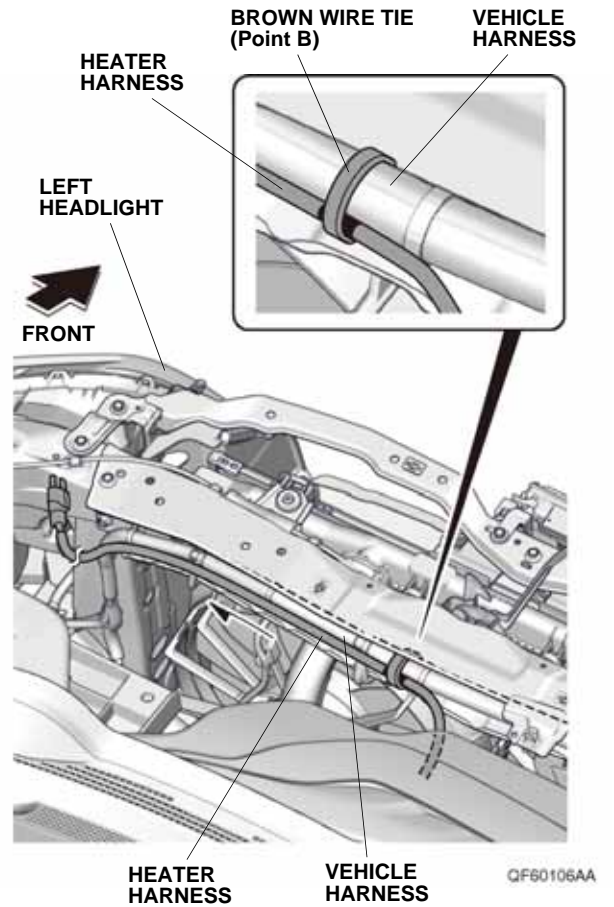
13. Secure the heater harness to the vehicle bracket with one wire tie with clip installed in step 9.



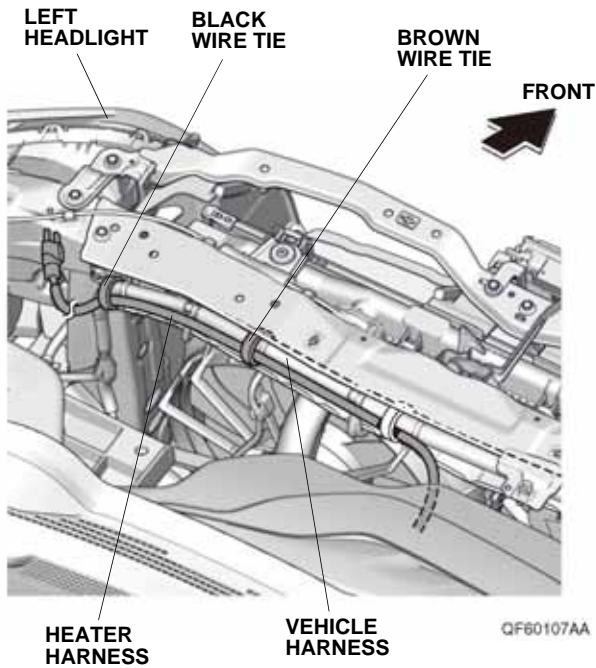
14. Secure the heater harness to the vehicle harness with one brown wire tie



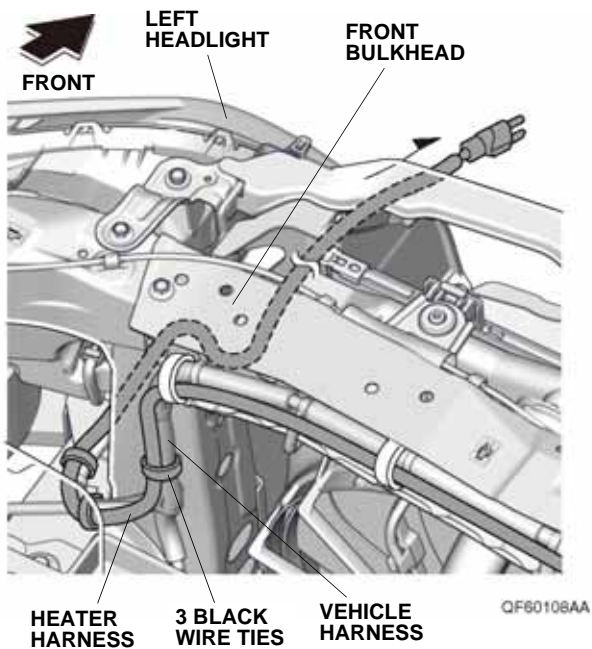
15. Route the heater harness along the vehicle harness, and secure it to the vehicle harness with one brown wire tie at the point [B].



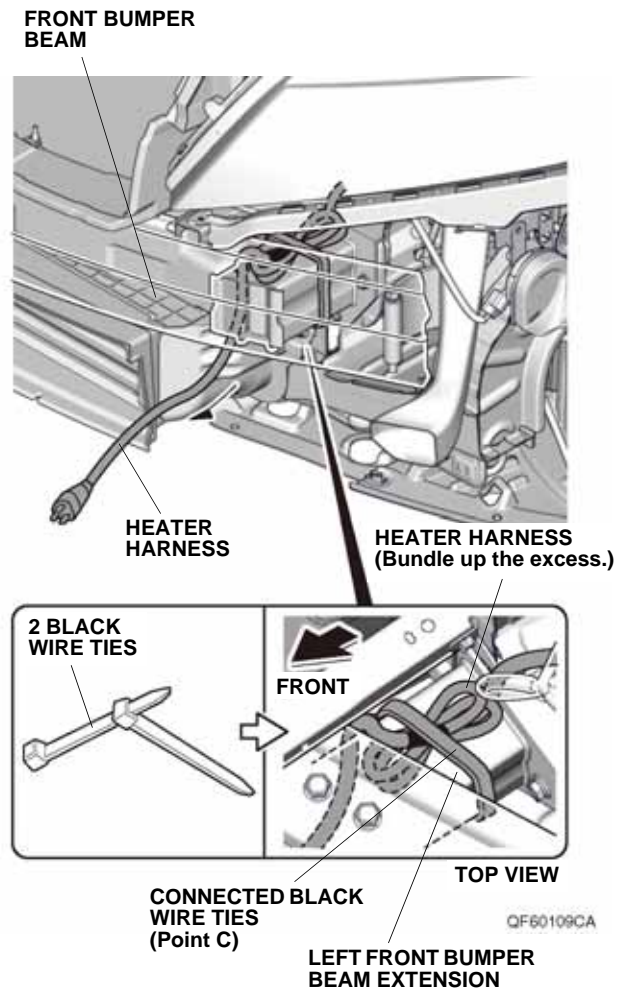
16. Secure the heater harness to the vehicle harness with one brown wire tie and one black wire tie.



17. Route the heater harness through the front bulkhead, and secure it to the vehicle harness with three black wire ties.

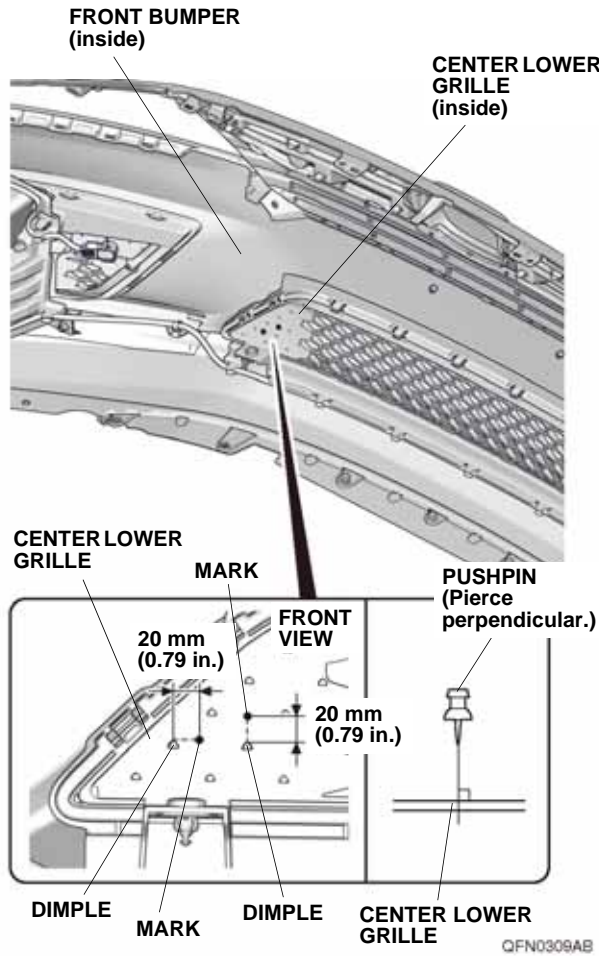


18. Route the heater harness down under the front bumper beam.

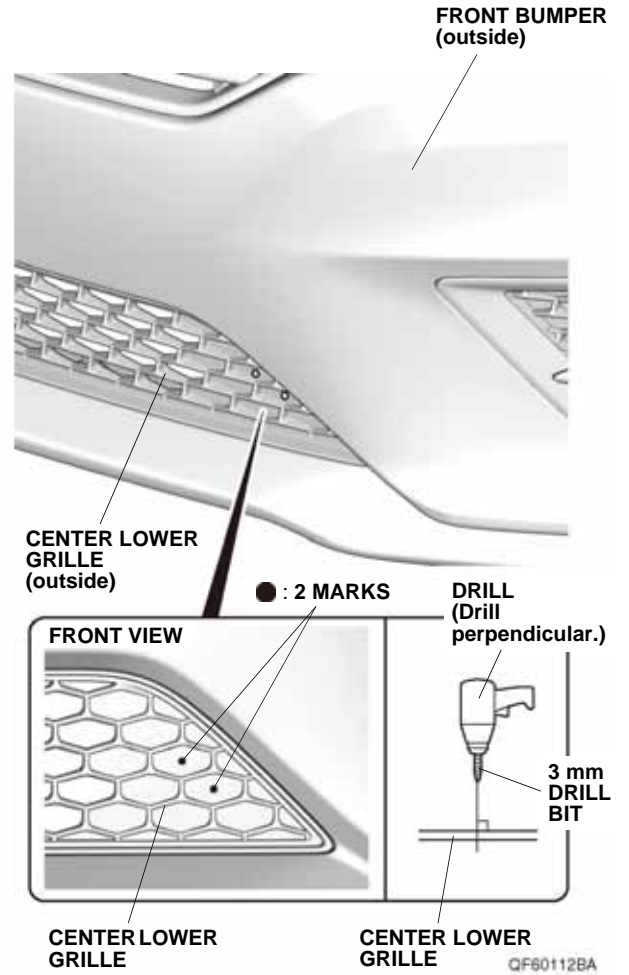


19. Connect two black wire ties together. Bundle up the excess heater harness, and secure it to the left front bumper beam extension with the connected black wire ties at the point **C**.

20. Using a pushpin, pierce the center lower grille as shown.
 NOTE: Make sure to pierce the mark perpendicular to the center lower grille.

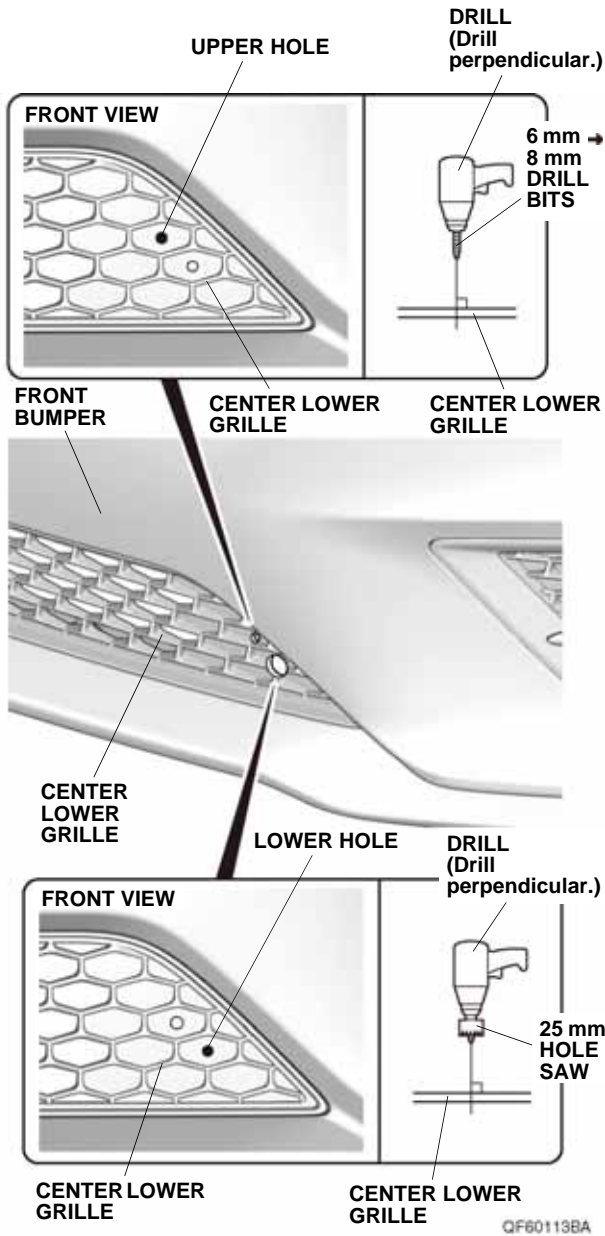


21. While wearing eye protection, drill two pierced marks on the center lower grille with a 3 mm drill bit.
 NOTE: Make sure to drill perpendicular to the center lower grille.

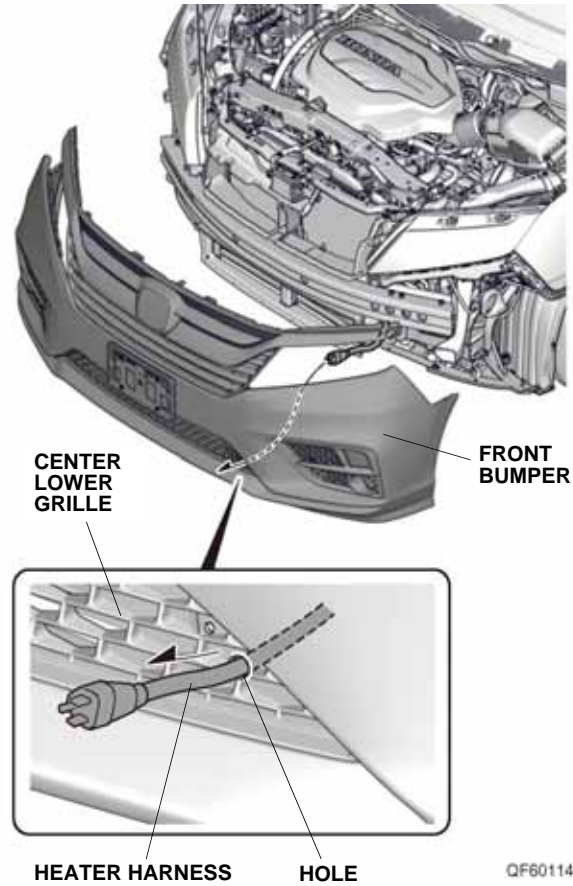


22. While wearing eye protection, enlarge the 3 mm upper hole to 8 mm. First drill with a 6 mm drill bit and finish with an 8 mm drill bit. Remove any burrs.
NOTE:

- Make sure to drill the correct position.
- Make sure to drill perpendicular to the center lower grille.



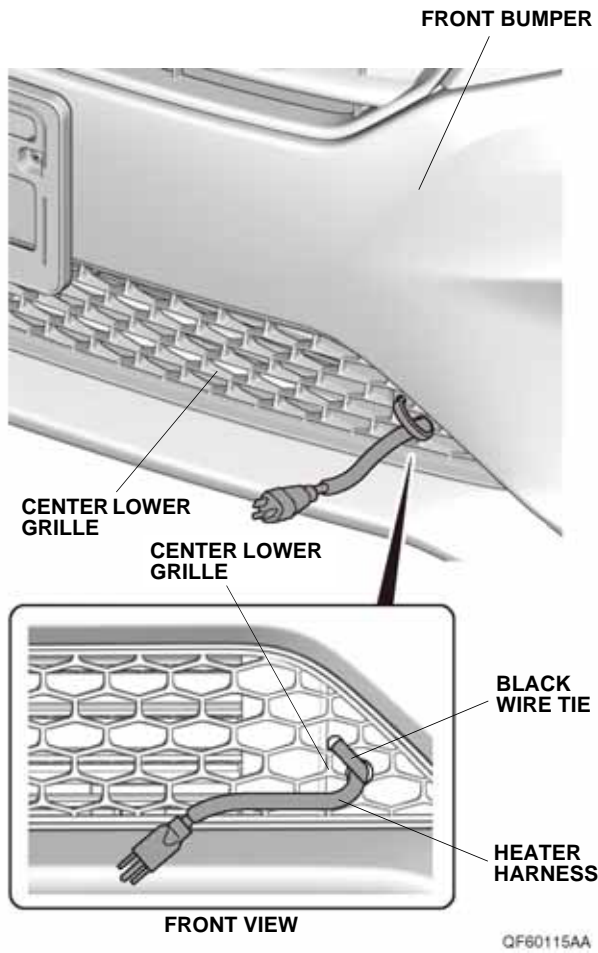
24. With the help of an assistant, bring the front bumper close to the vehicle. Route the heater harness through the drilled hole on the center lower grille, then install the front bumper.



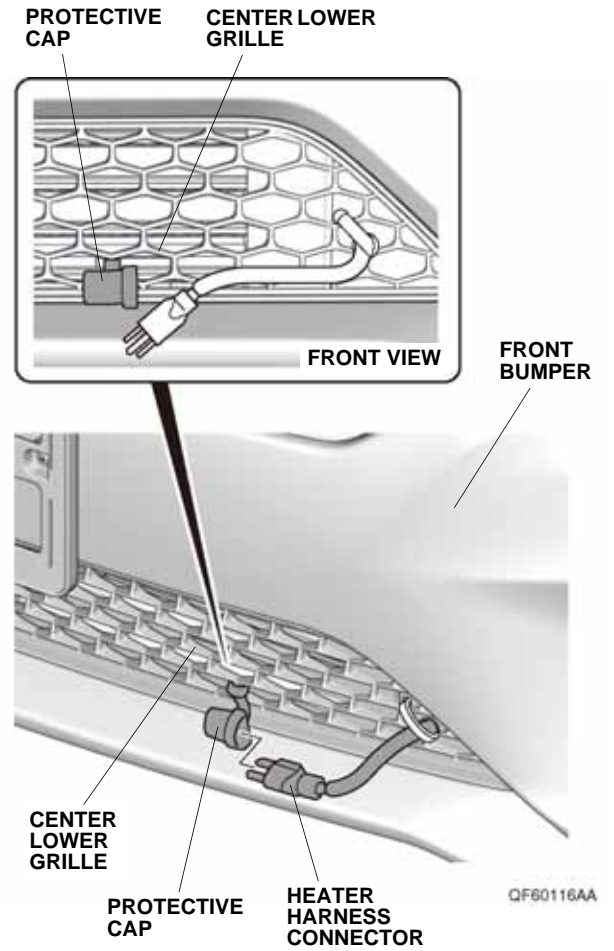
23. While wearing eye protection, enlarge the 3 mm lower hole to 25 mm using a 25 mm hole saw. Remove any burrs.
NOTE:

- Make sure to drill the correct position.
- Make sure to drill perpendicular to the center lower grille.

25. Secure the heater harness to the center lower grille with one black wire tie.



26. Attach the protective cap to the center lower grille, and plug the heater harness connector into the protective cap.



27. Install all removed parts except for the front bulkhead cover and the intake air tube.
28. Install the radiator drain plug.
29. Remove the radiator cap and fill the system with the recommended coolant. Follow the instructions in the service information to fill the cooling system. Make sure there are no leaks around the engine block heater.
30. Make sure that the heater harness is routed properly and all connectors are plugged in.
31. Install the radiator cap.
32. Put the drain bolt (removed in step 10) in the glove box.
33. Connect the positive cable, then negative cable to the battery.
34. Install the front bulkhead cover and the intake air tube.
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.