



# INSTALLATION INSTRUCTIONS

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

Application  
**2017 RIDGELINE**

Publications No.  
**VERSION 1**

Issue Date  
**MAY 2016**

## PARTS LIST

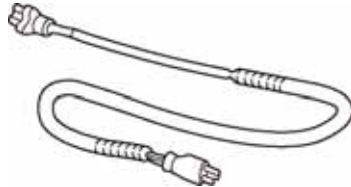
Engine block heater



Aluminum washer



Heater harness



Protective cap



12 Black wire ties  
(1 Not used.)



7 Wire ties with clip  
(6 Not used.)



5 Natural wire ties



## 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

Hacksaw

File

Heavy gloves

Drain pan

Tape measure

White marker

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

Blanket

Fender cover

Masking tape

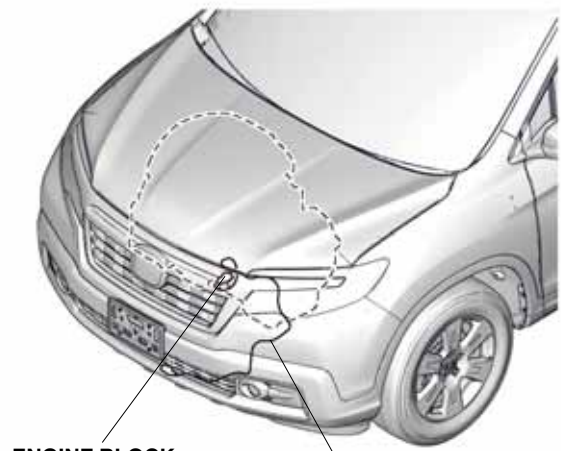
Shop towel

*The following 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)

• Plastic Trim Tool (T/N SILTRIMTL10)

## Illustration of the Engine Block Heater in the Vehicle



ENGINE BLOCK HEATER

HEATER HARNESS

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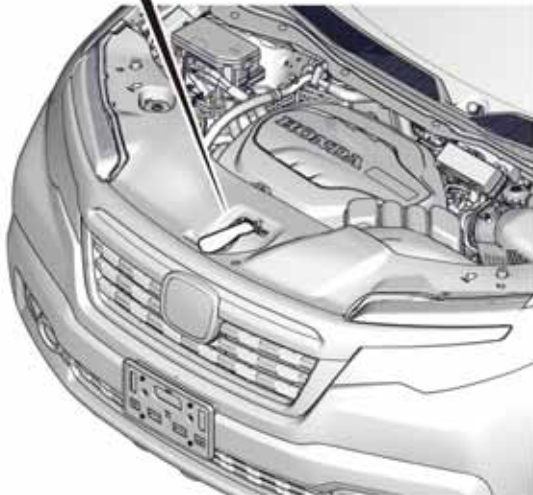
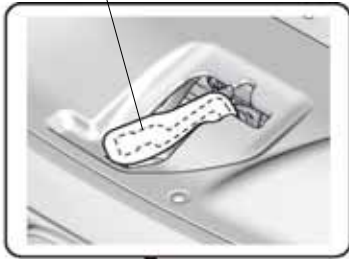
## INSTALLATION

**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.”

### NOTE:

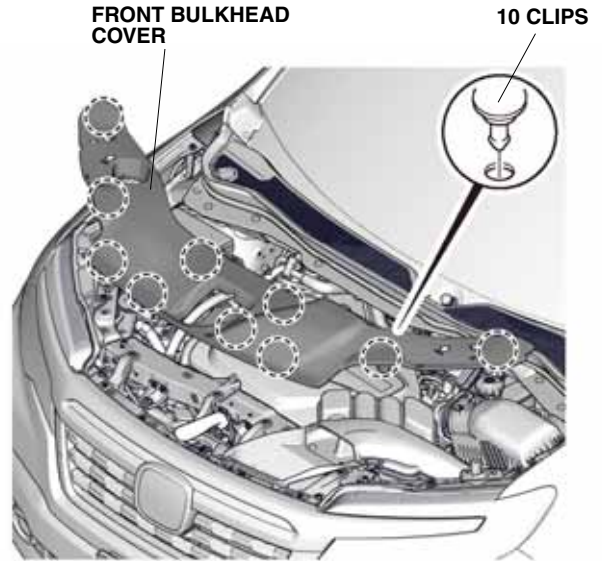
- Always use, Honda Genuine Long Life Antifreeze/ Coolant Type 2. Using a non-Honda coolant can result in corrosion, causing the cooling system to malfunction or fail.
  - To avoid burning out the element, do not operate the engine block heater until it is installed in the vehicle and you have added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

**HOOD LATCH**  
(Wrap with a shop towel.)



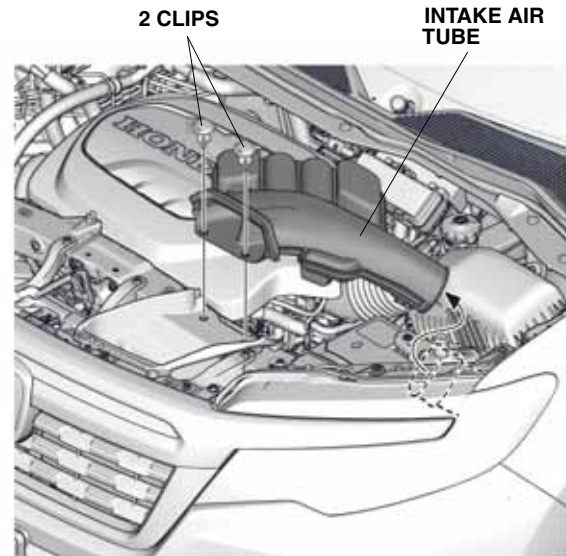
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- Remove the front bulkhead cover.



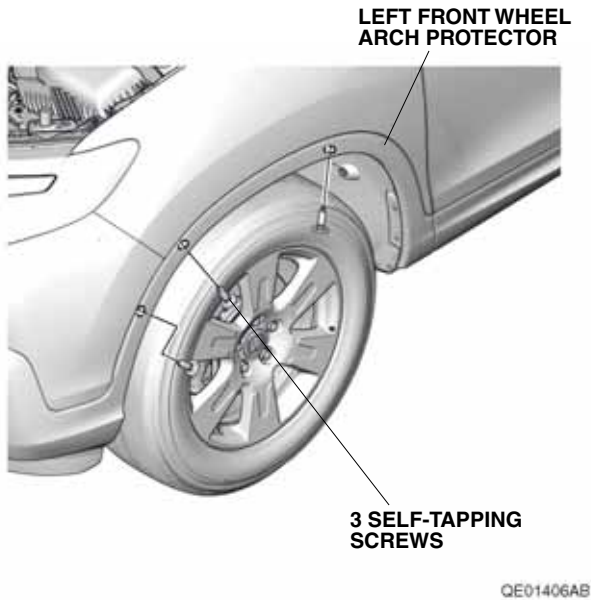
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- Remove the intake air tube.
- Disconnect the negative cable from the battery.

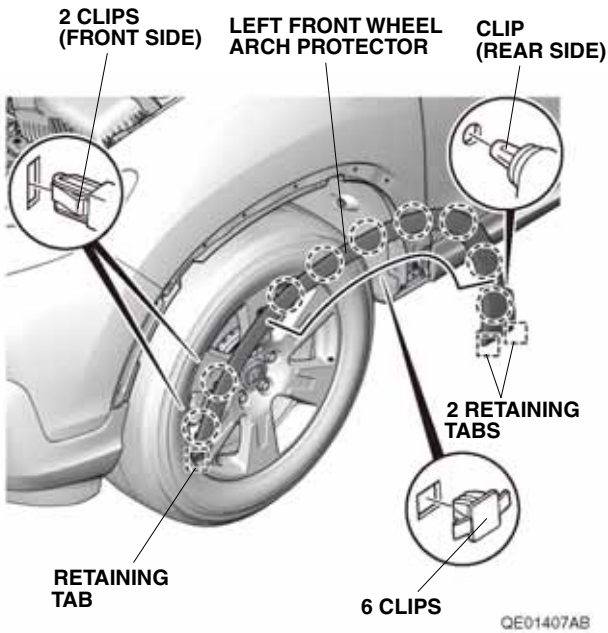


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- Remove the three self-tapping screws from the left front wheel arch protector.

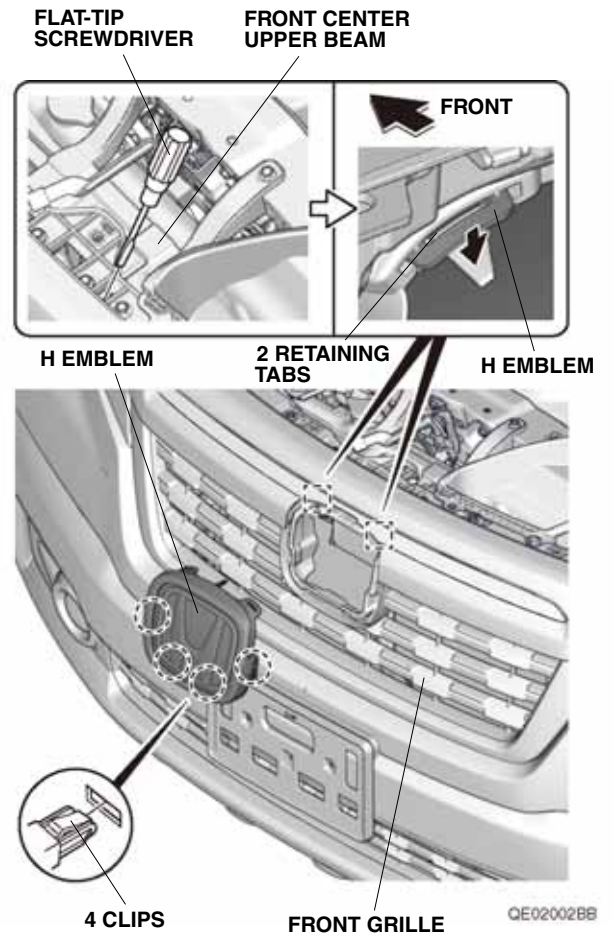


- Remove the left front wheel arch protector.

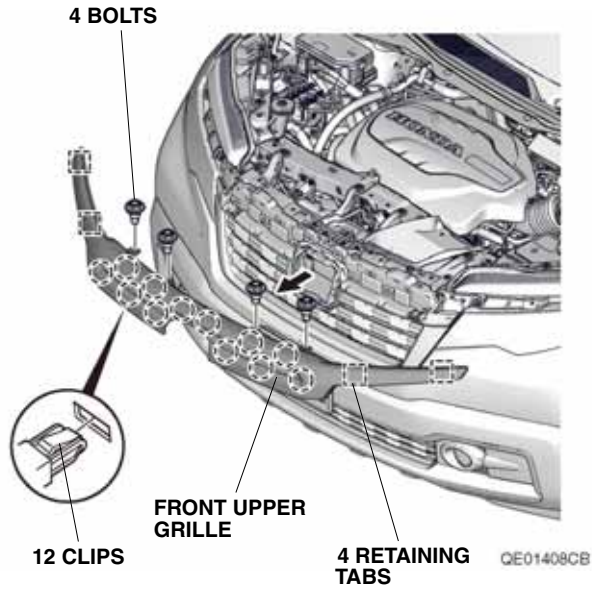


- Repeat steps 3 and 4 on the right side of the vehicle.

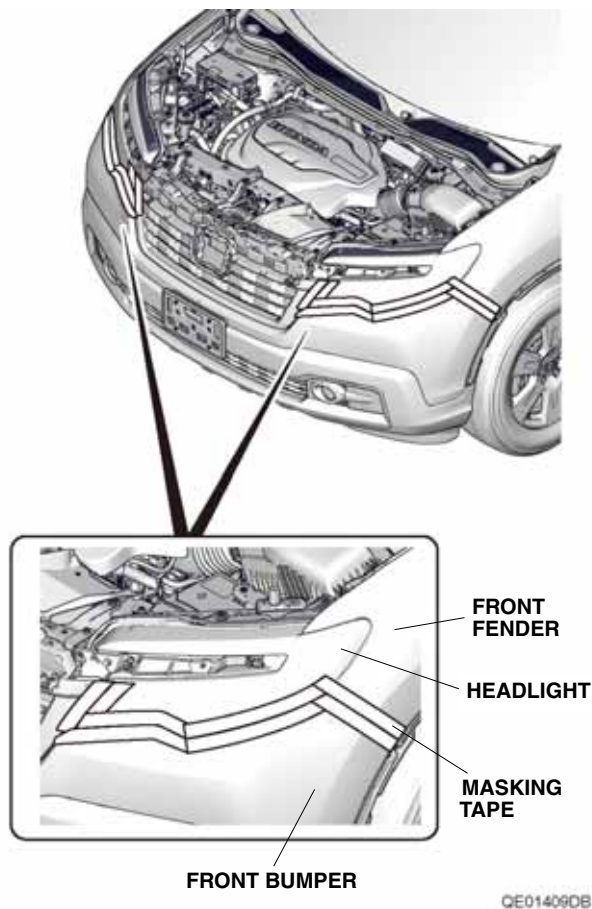
- Remove the front bumper:
  - Using a flat-tip screwdriver, remove the H emblem from the front grille.



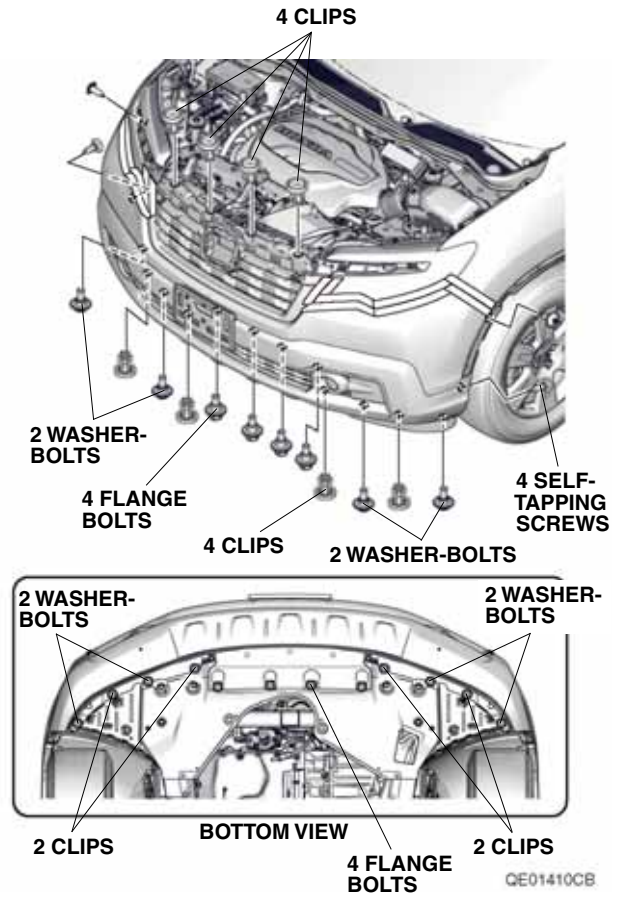
- Remove the front upper grille.



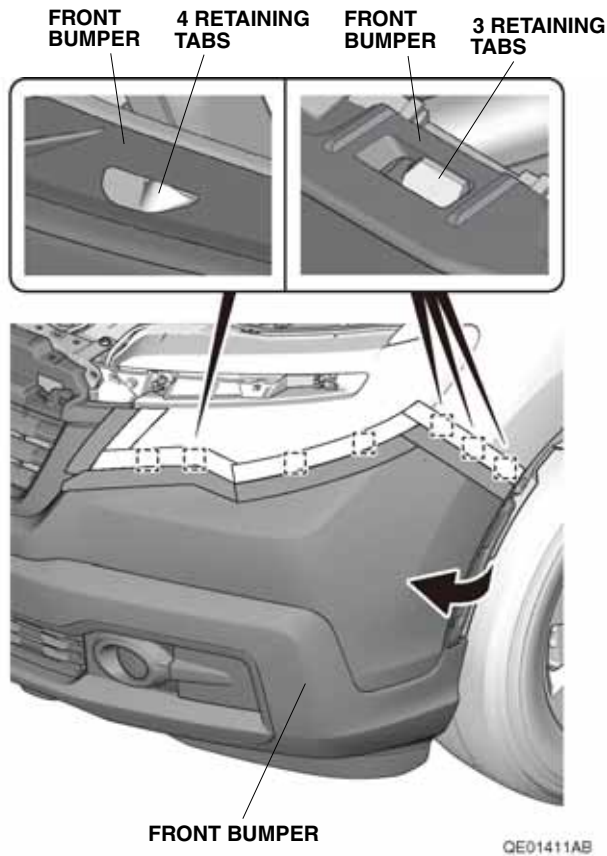
- Apply masking tape as shown.



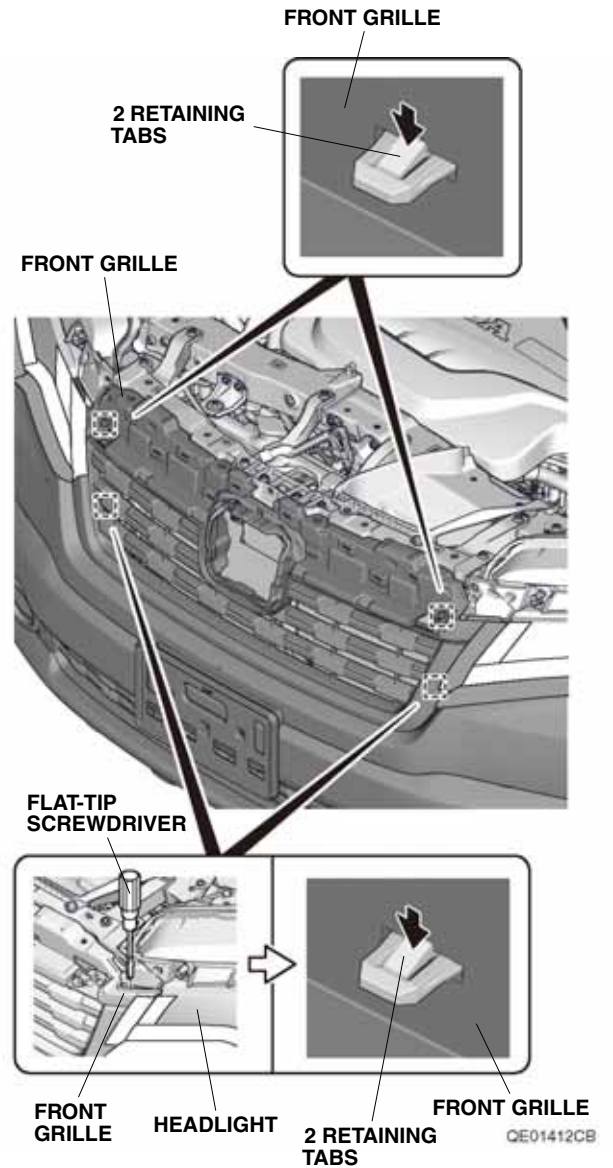
- Remove the four self-tapping screws, eight clips, four washer-bolts, and four flange bolts.



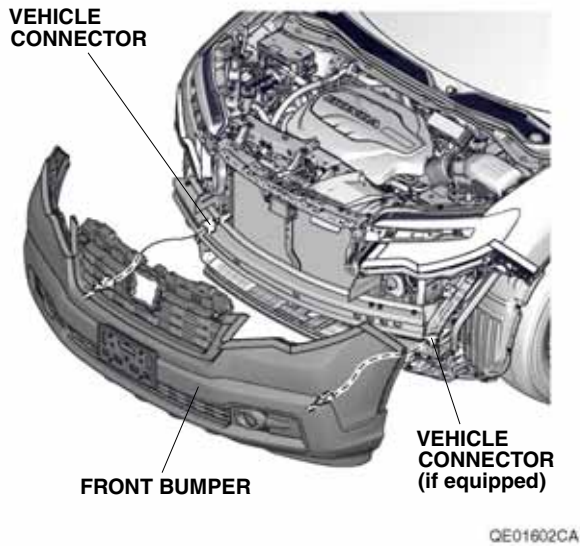
- With the help of an assistant, release the seven retaining tabs on each side.



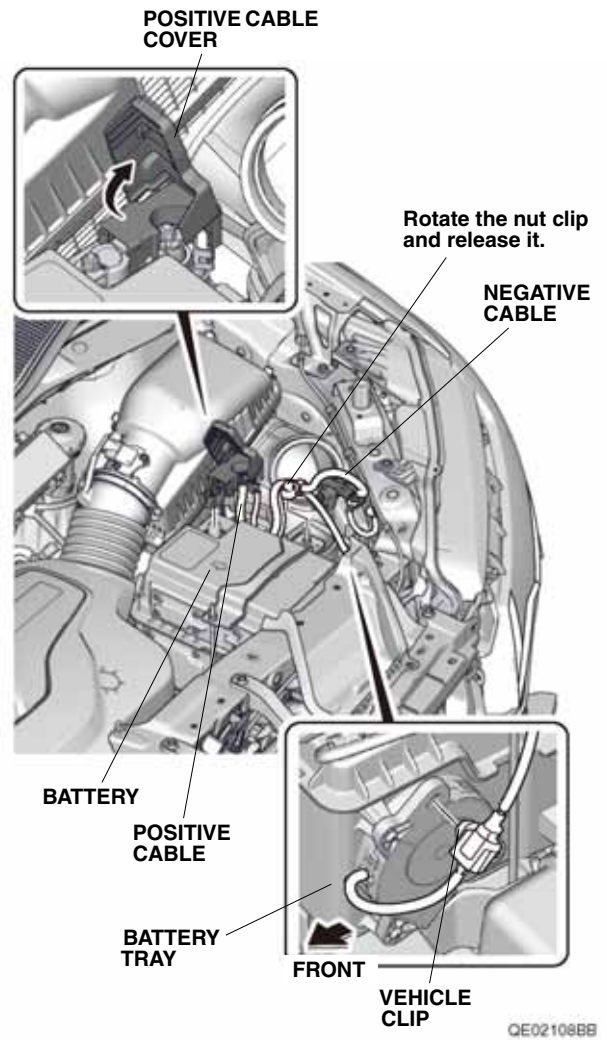
- Release the front grille.



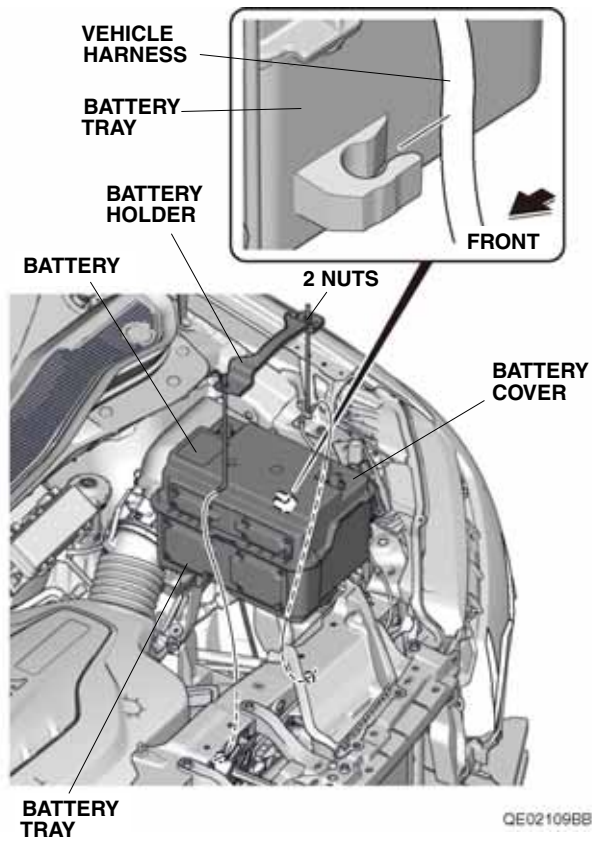
- With the help of an assistant, remove the front bumper and unplug the vehicle connectors. Place the front bumper on a blanket.



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

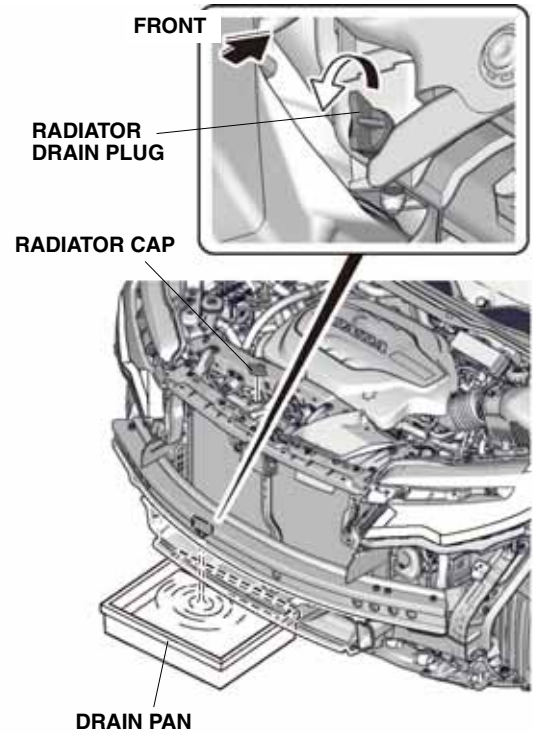


8. Remove the battery, battery holder, battery cover, and battery tray.



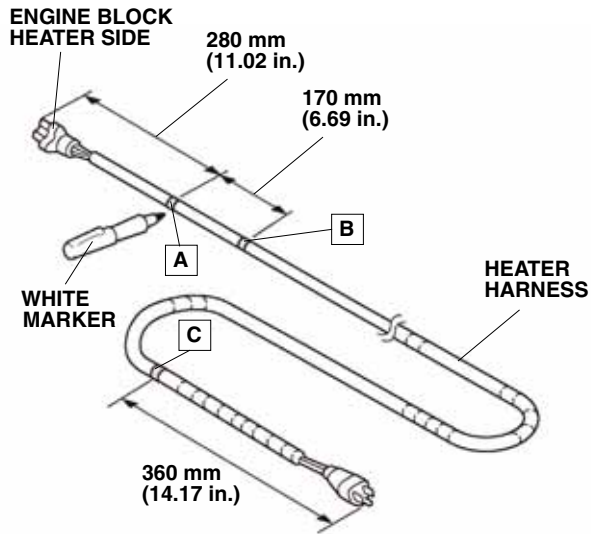
9. Place a clean drain pan under the radiator drain plug, then remove the radiator drain plug from the bottom of the radiator to drain the coolant. Remove the radiator cap to increase the flow.

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



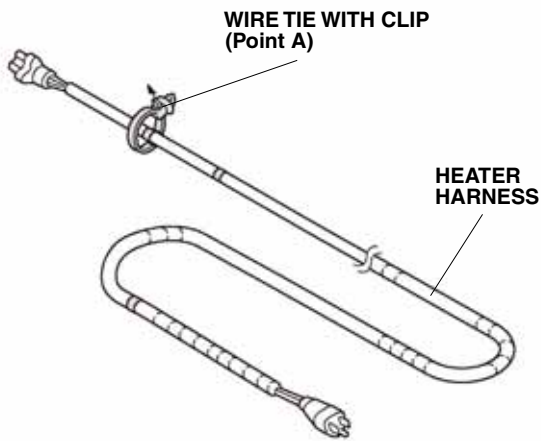
10. Drain the coolant completely, then reinstall the radiator cap.

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



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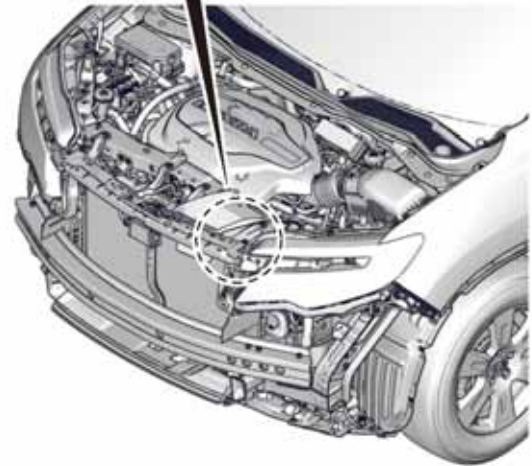
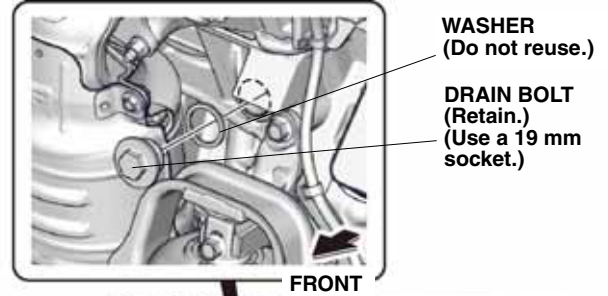
12. Install one wire tie with clip to the heater harness as shown.



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13. 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.

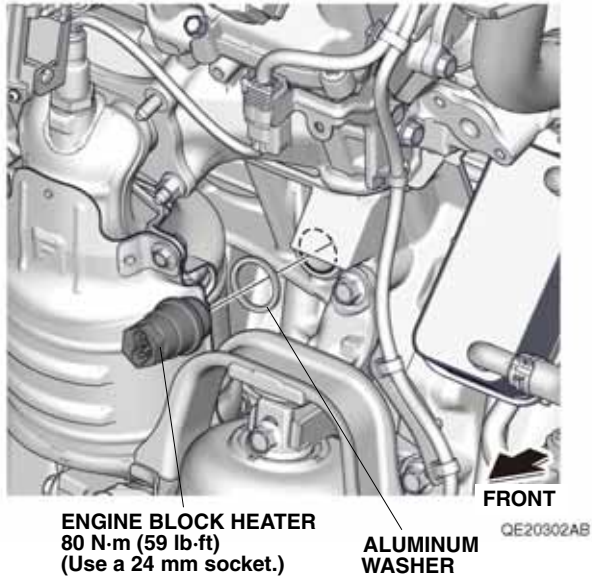
NOTE: Use a new washer if the drain bolt is reinstalled.



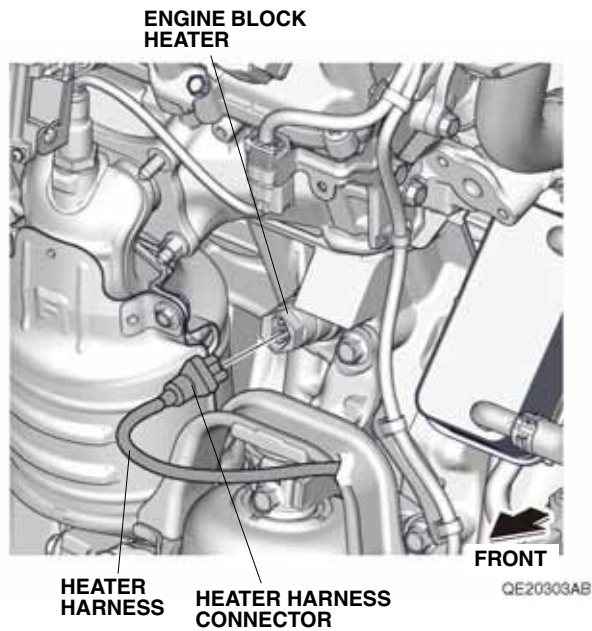
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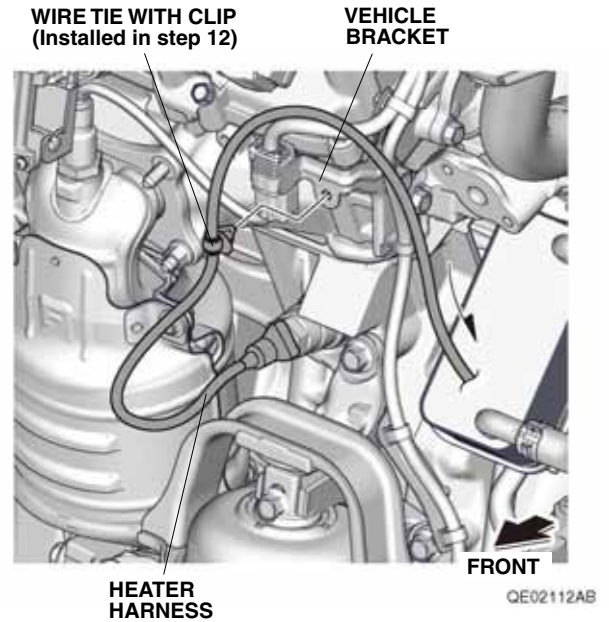
- Install the engine block heater with the aluminum washer into the bolt hole using a 24 mm socket. Torque the engine block heater to 80 N·m (59 lb·ft).



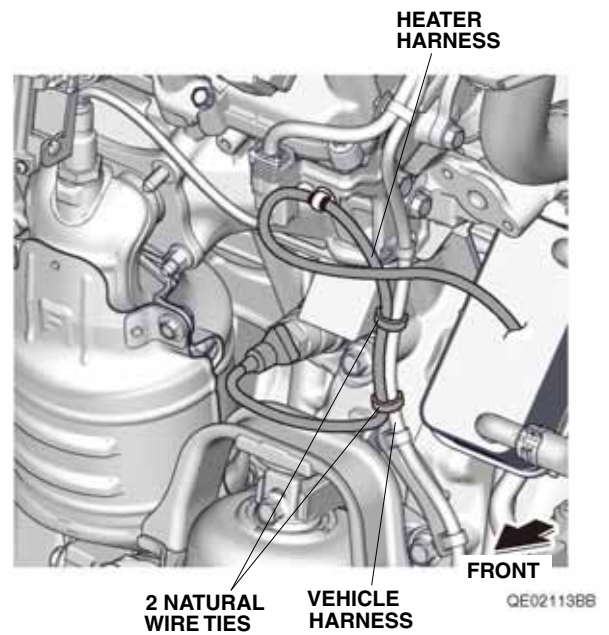
- Plug the heater harness connector into the engine block heater. Make sure it is fully seated in the engine block heater.



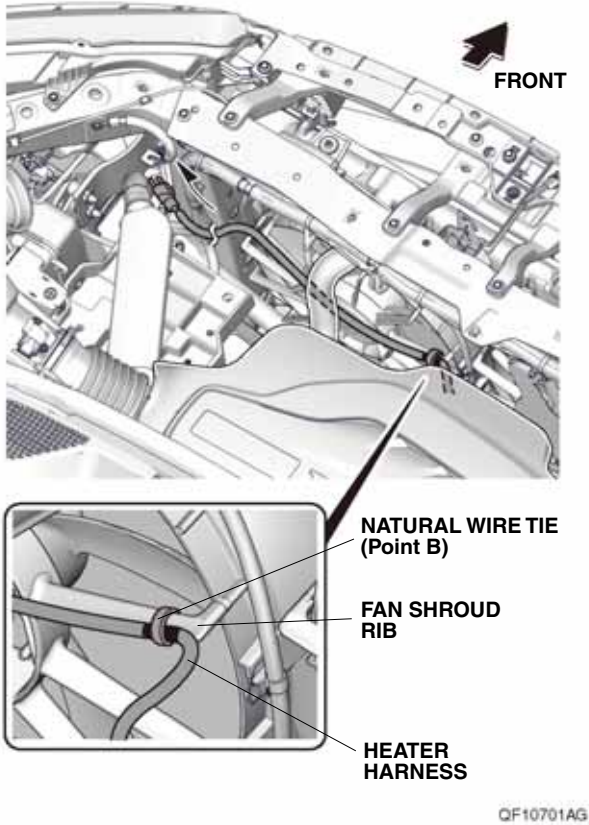
- Route the heater harness in the direction shown and secure it to the vehicle bracket with one wire tie with clip installed in step 12.



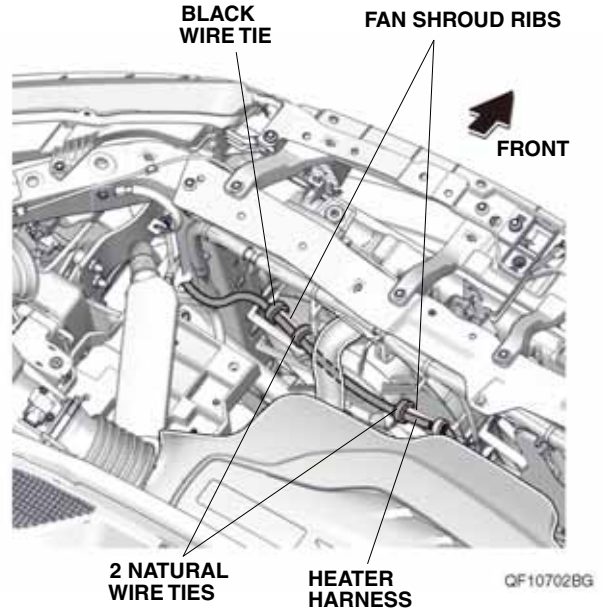
- Secure the heater harness to the vehicle harness with two natural wire ties.



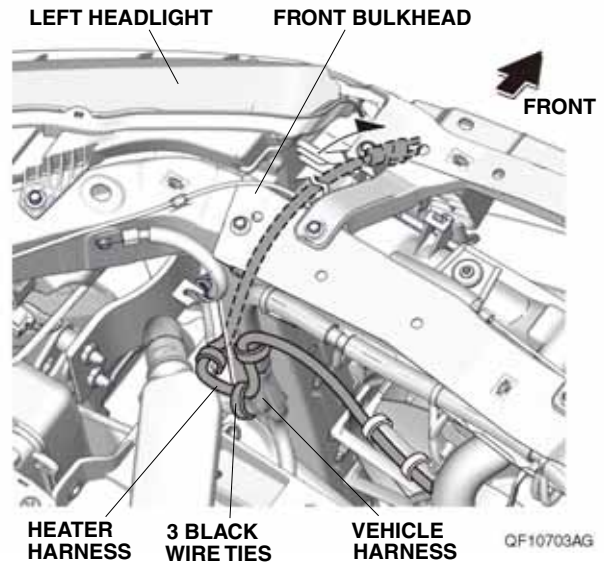
18. Route the heater harness toward the fan shroud and secure it to the fan shroud rib with one natural wire tie at point **B**.



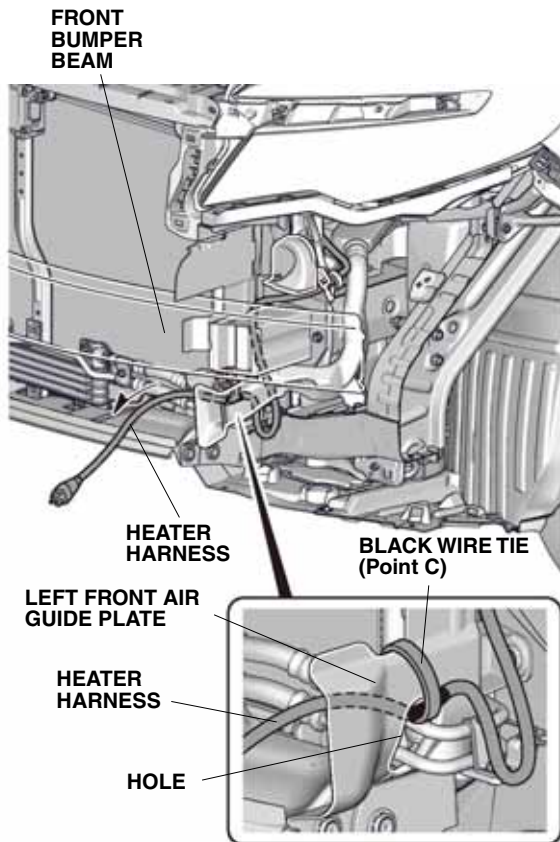
19. Route the heater harness as shown and secure it to the fan shroud ribs with two natural wire ties and one black wire tie.



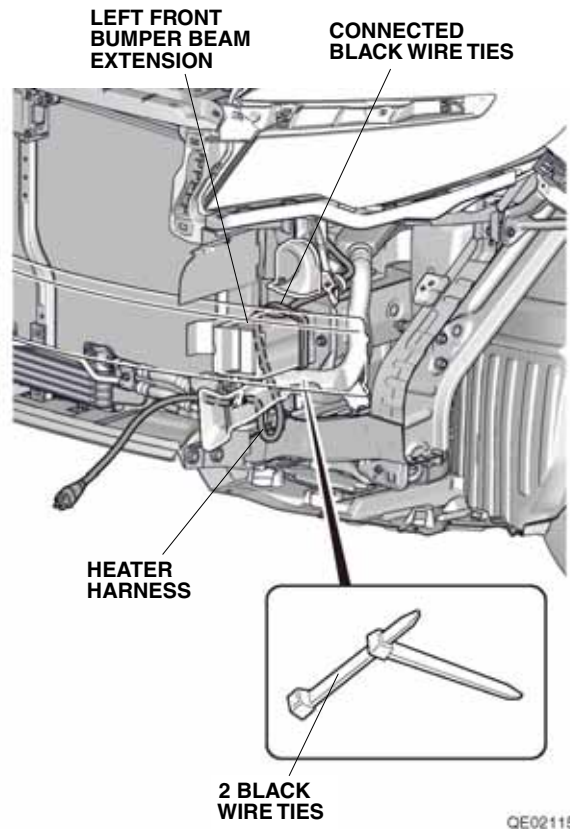
20. Route the heater harness through the front bulkhead and secure it to the vehicle harness with three black wire ties.



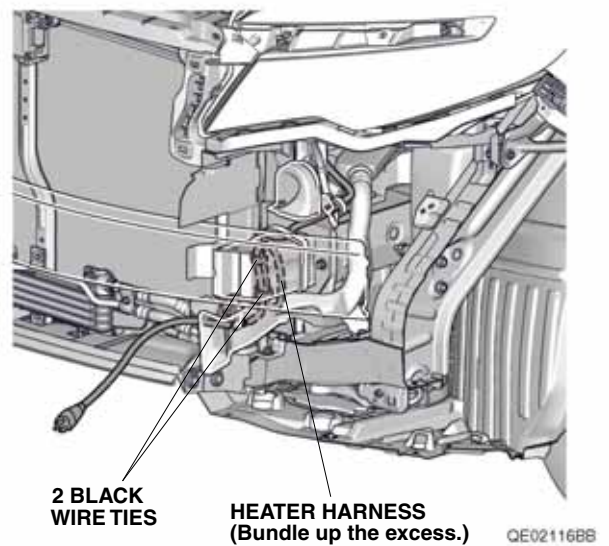
21. Route the heater harness down under the front bumper beam and secure it to the left front air guide plate with one black wire tie at point **C**.



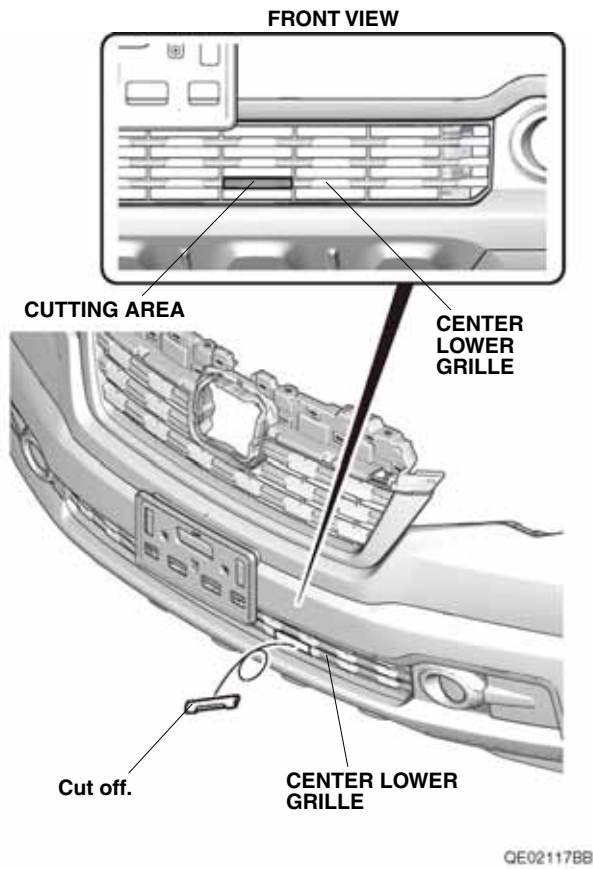
22. Connect two black wire ties together and secure the heater harness to the left front bumper beam extension with the connected black wire ties.



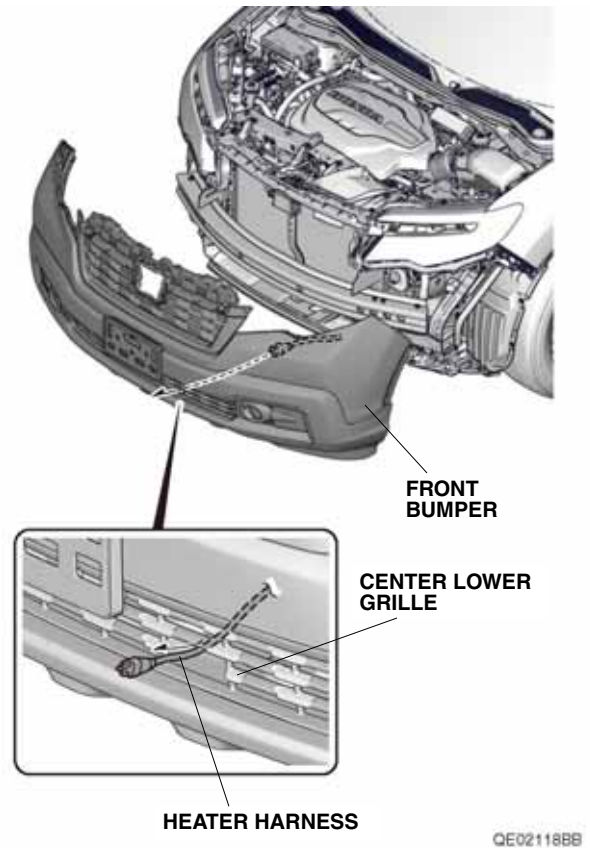
23. Bundle up the excess heater harness and secure it with two black wire ties.



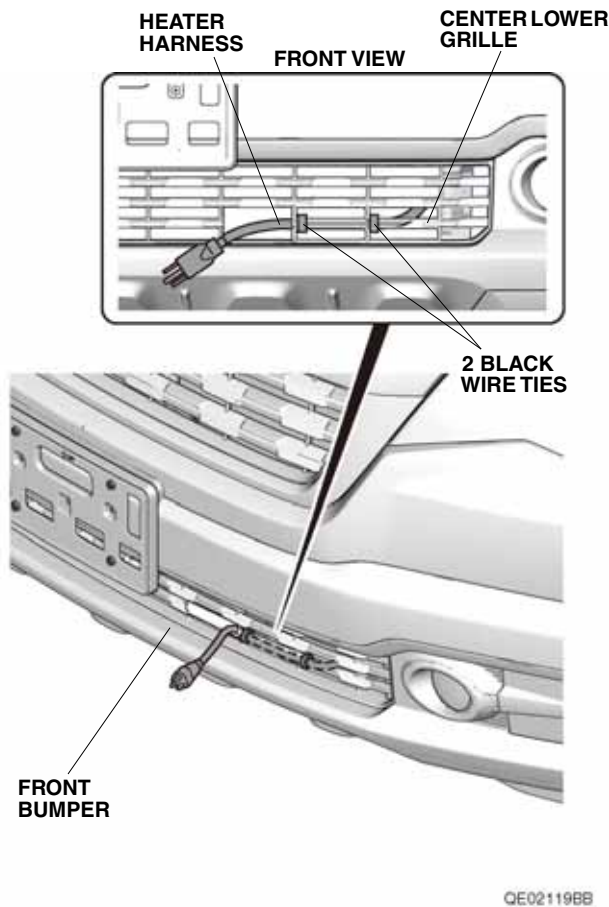
24. Using a hacksaw, cut off the center lower grille as shown. Remove any burrs.



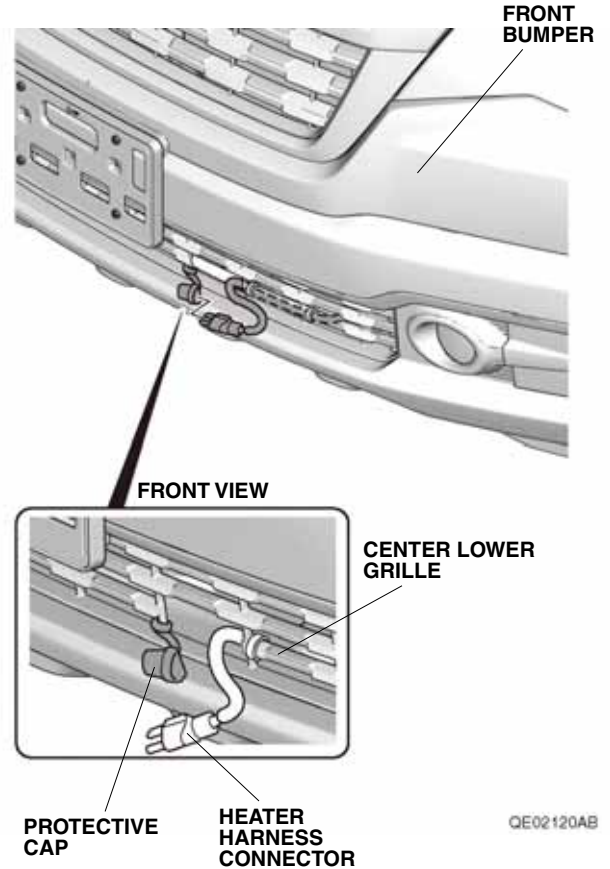
25. With the help of an assistant, bring the front bumper close into the vehicle. Route the heater harness through the cutout on the center lower grille, then install the front bumper.



26. Secure the heater harness to the center lower grille with two black wire ties.



27. Install the protective cap to the center lower grille and plug the heater harness connector into the protective cap.



28. Install all removed parts except for the front bulkhead cover and the intake air tube.
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. Make sure there are no leaks around the engine block heater.
31. Install the radiator cap.
32. Make sure the heater harness is routed properly and all connectors are plugged in.
33. Put the drain bolt (removed in step 13) in the glove box.
34. Connect the negative cable to the battery.
35. Install the front bulkhead cover and the intake air tube.
36. Press and hold the audio unit power button for 2 seconds to restore the audio and navi (if equipped) system functions.
37. Set the clock on vehicles without navigation.
38. If necessary, restore the systems back to normal operation as described in the service information.