

PARTS LIST

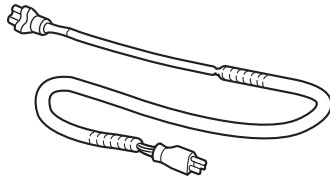
Engine block heater



Aluminum washer



Heater harness



Protective cap



12 Black wire ties

5 Wire ties with clip
(Not used)5 Brown wire ties
(Not used)**TOOLS AND SUPPLIES REQUIRED**

Phillips screwdriver

Ratchet

10 mm, 19 mm, and 24 mm Sockets

10 mm Open end wrench

Torque wrench

5 mm Hex wrench

Diagonal cutters

Heavy gloves

Drain pan

Pushpin

Drill

3 mm and 6 mm Drill bits

30 mm Hole saw

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

Ruler

Tape measure

White marker

Coolant (Honda All Season Antifreeze/Coolant Type 2)

Blanket

Fender cover

Tape

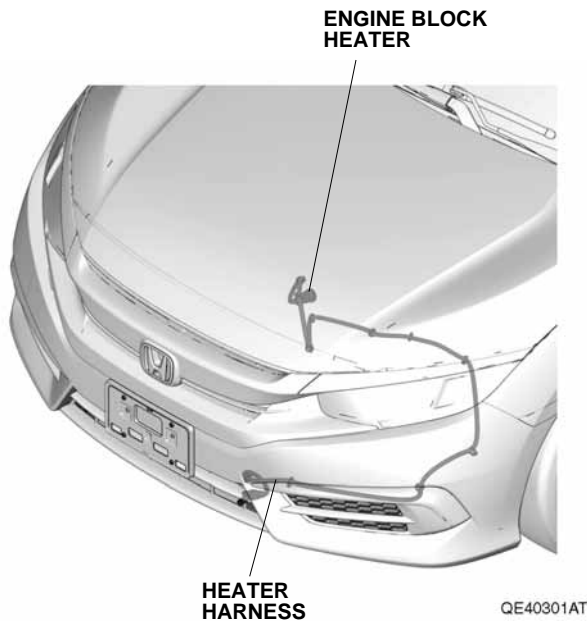
File

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



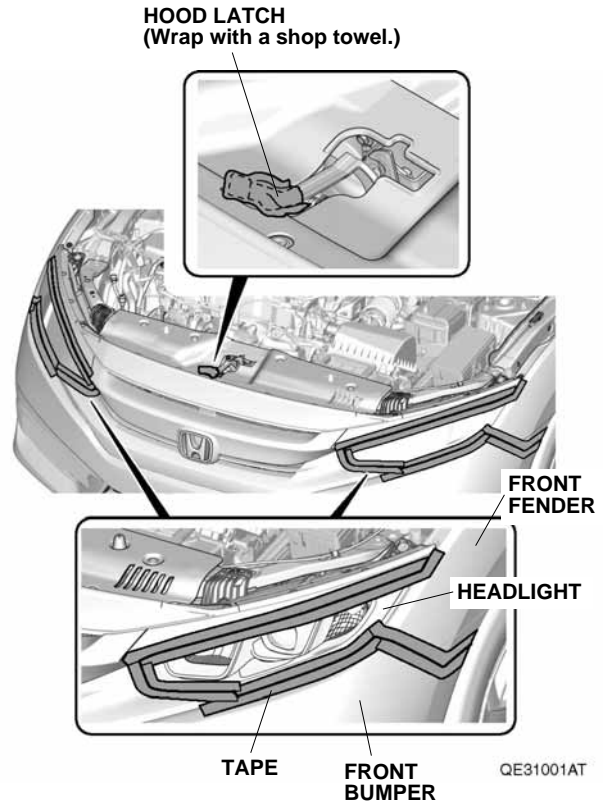
INSTALLATION

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.”

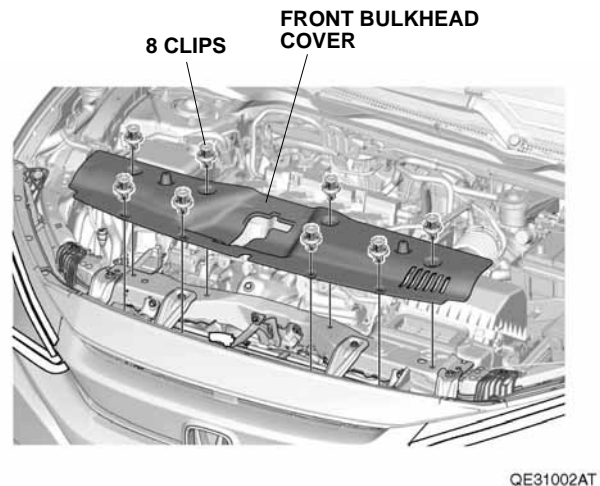
NOTE:

- Always use Honda 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.

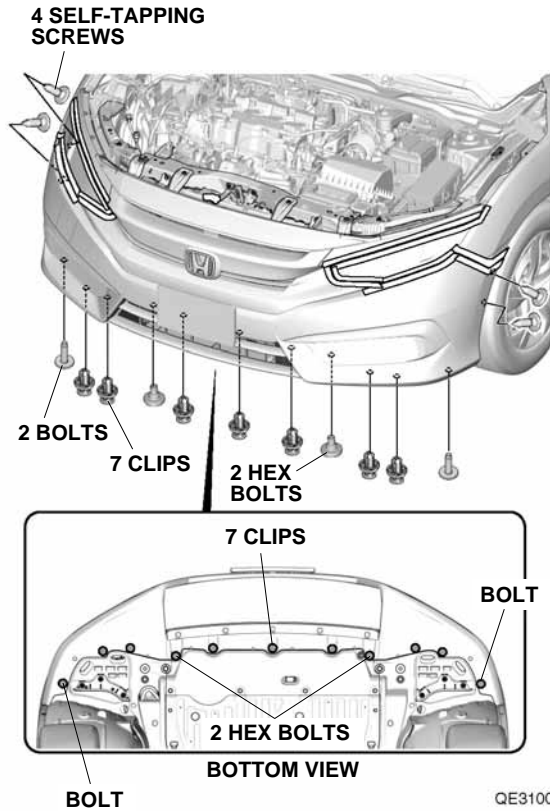
3. Place the vehicle on a hoist and raise the vehicle off the ground.
4. Remove the front bumper:
 - Apply masking tape to the areas shown.
 - Wrap a shop towel around the hood latch.



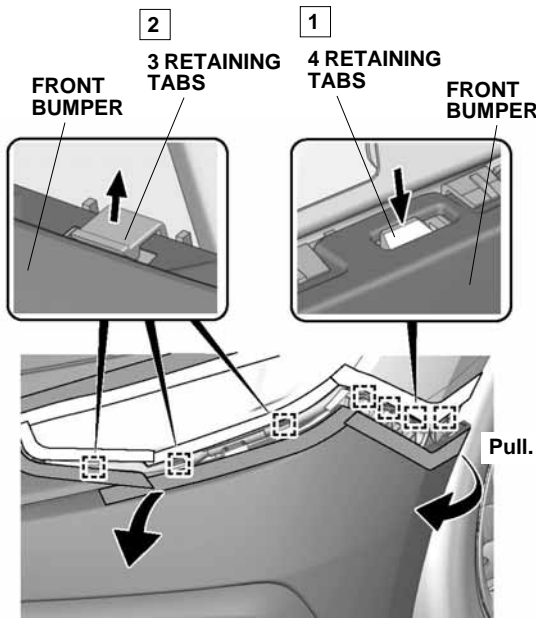
- Remove the front bulkhead cover.



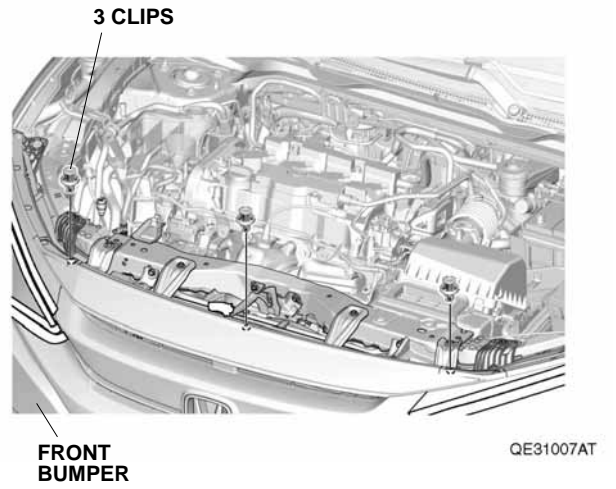
- Remove the four self-tapping screws, two bolts, two hex bolts, and seven clips.



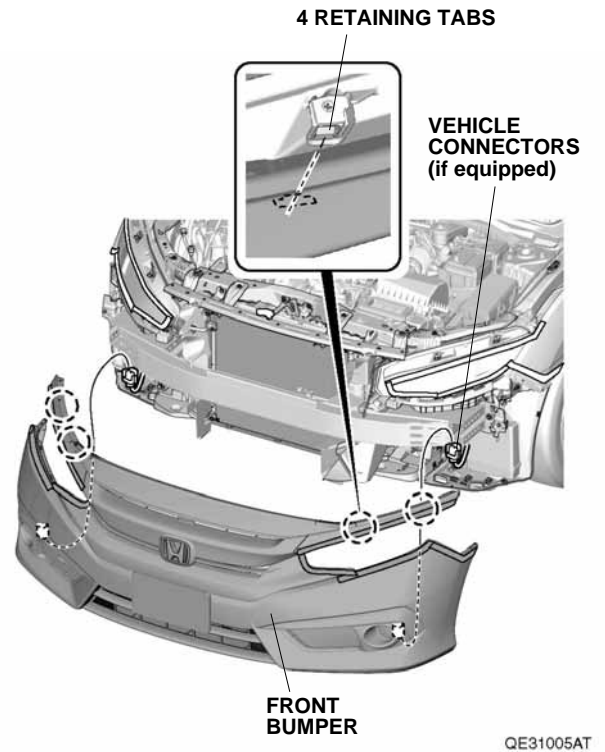
- With the help of an assistant, release the seven retaining tabs on each side.
NOTE: Remove the retaining tabs from the outside in the order shown. Make sure to remove the retaining tabs in the correct orientation.



- Remove the three clips.



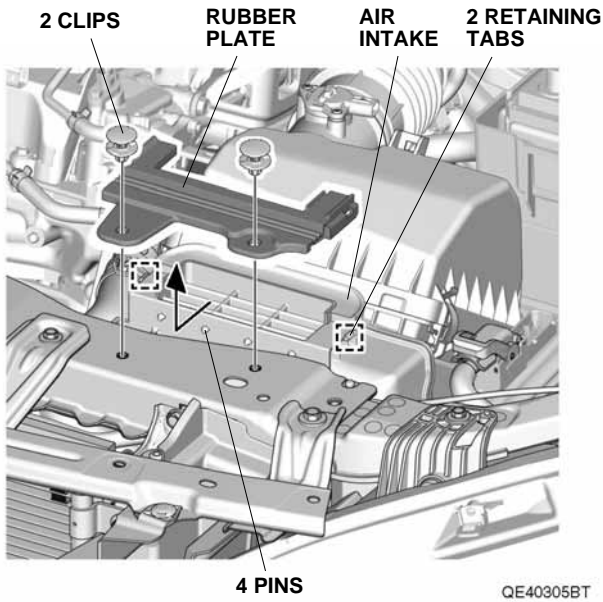
- With the help of an assistant, remove the front bumper and unplug the vehicle connectors. Place the front bumper on a blanket.



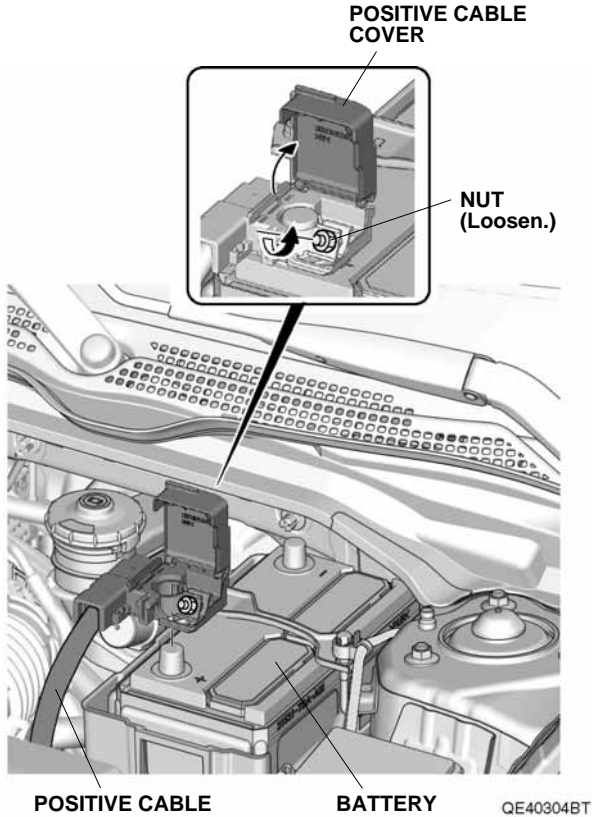
If the vehicle is the 1.5L engine models continue with step 5; otherwise, go to step 6.

With 1.5L engine

5. Remove the rubber plate.

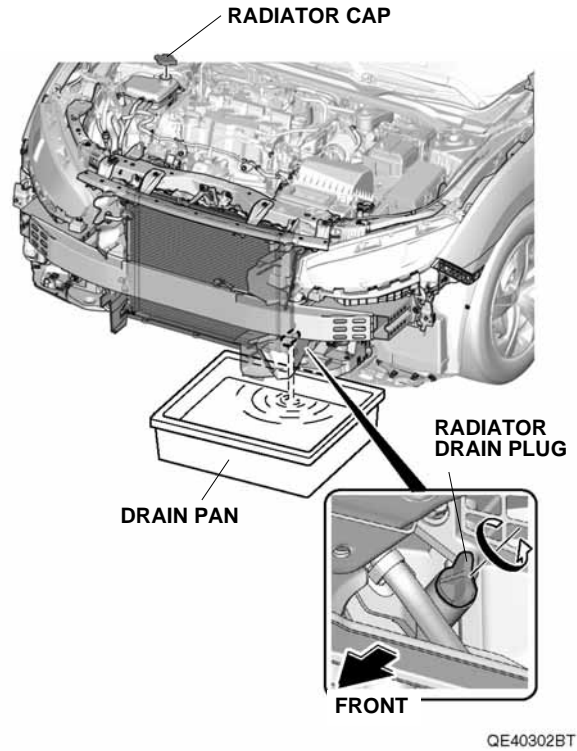


6. Open the positive cable cover and disconnect the positive cable from the battery.



7. 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.

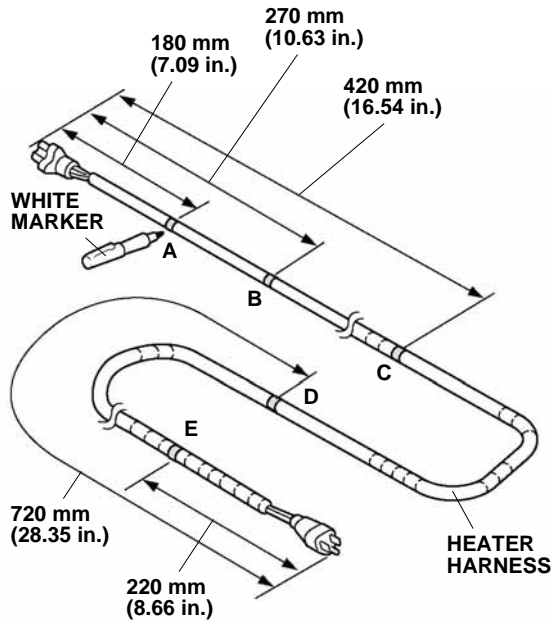


8. Drain the coolant completely, then reinstall the radiator cap.

If the vehicle is the 1.5L engine models continue with step 9; otherwise, go to step 27.

With 1.5L engine

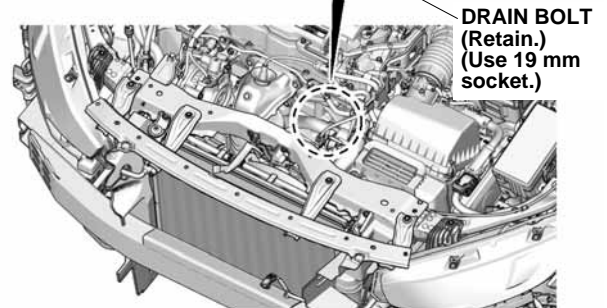
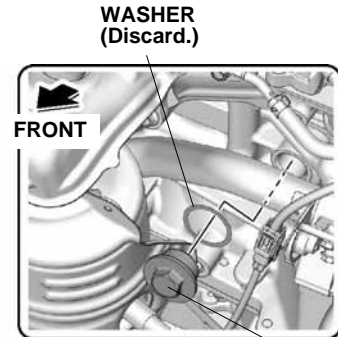
- Using a tape measure, measure and mark the heater harness in the areas shown.



QE40303BT

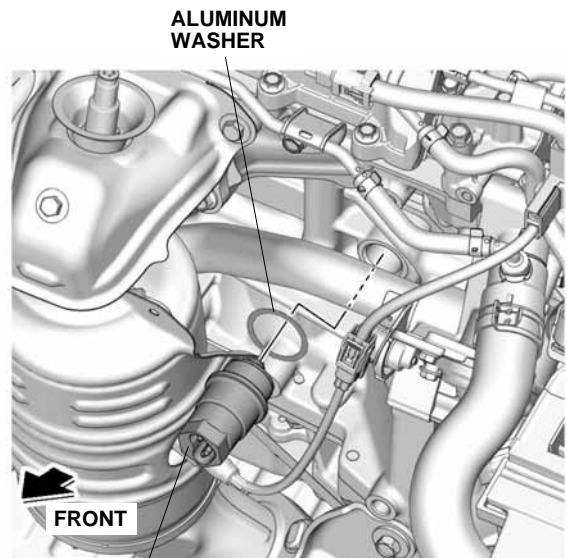
- Locate and remove the drain bolt and washer. Coolant remaining in the engine jackets will flow out of the bolt hole when the bolt is removed. Retain the drain bolt in case the engine block heater is removed.

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



QE40306BT

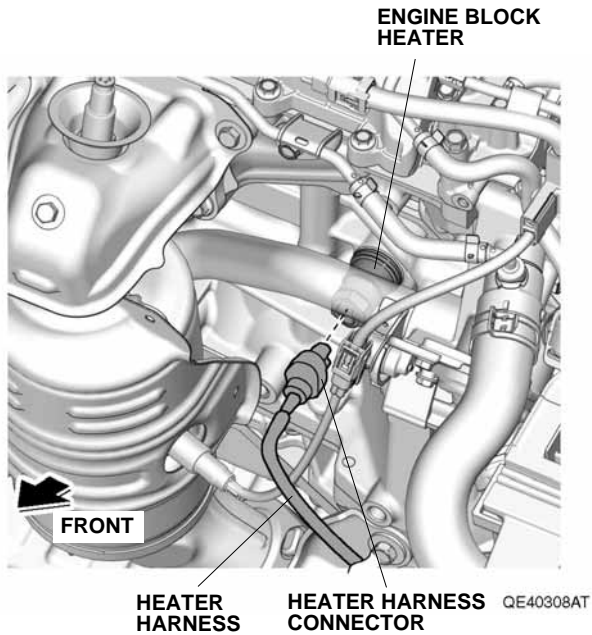
- Install the engine block heater with the aluminum washer into the bolt hole using a 24 mm socket. Torque the engine block heater to 85 N·m (63 lb-ft).



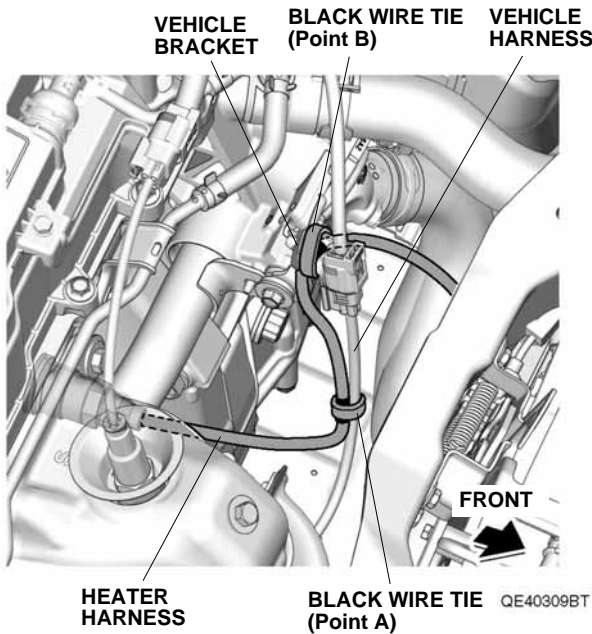
ENGINE BLOCK HEATER
85 N·m (63 lbf-ft)
(Use a 24 mm socket.)

QE40307AT

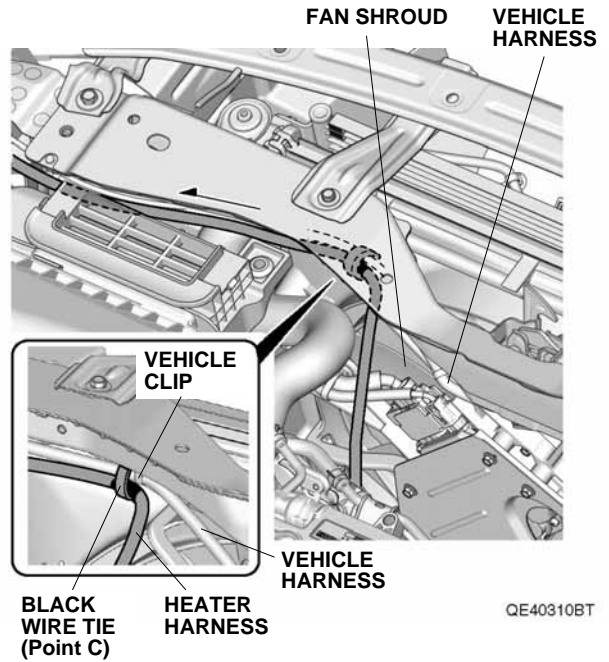
12. Plug the heater harness connector into the engine block heater. Make sure it is fully seated in the engine block heater.



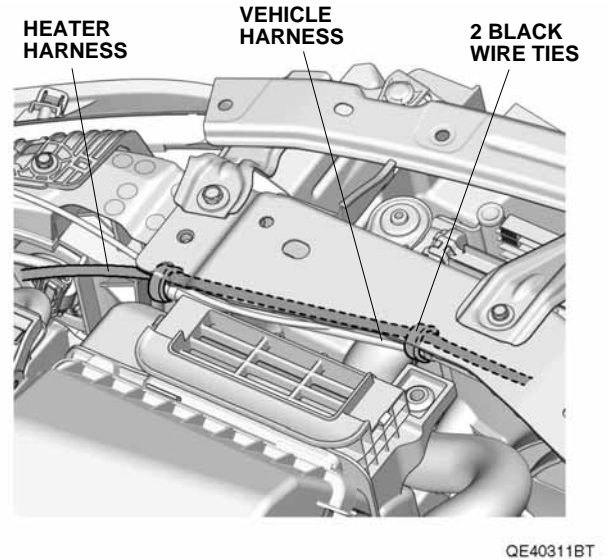
13. Secure the heater harness to the vehicle bracket and vehicle harness with two black wire ties at points A and B.



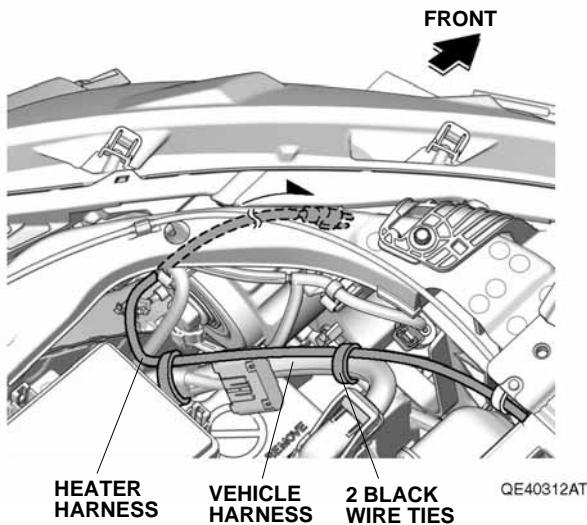
14. Route the heater harness toward the fan shroud and secure the heater harness to the vehicle harness with one black wire tie at point C.



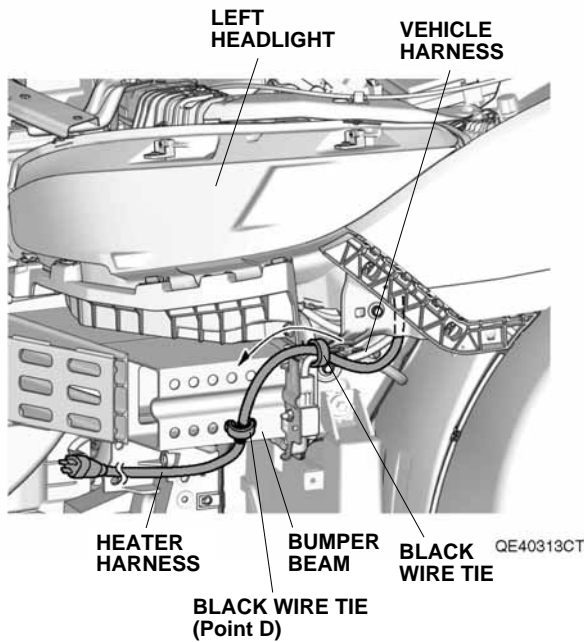
15. Secure the heater harness to the vehicle harness with two black wire ties.



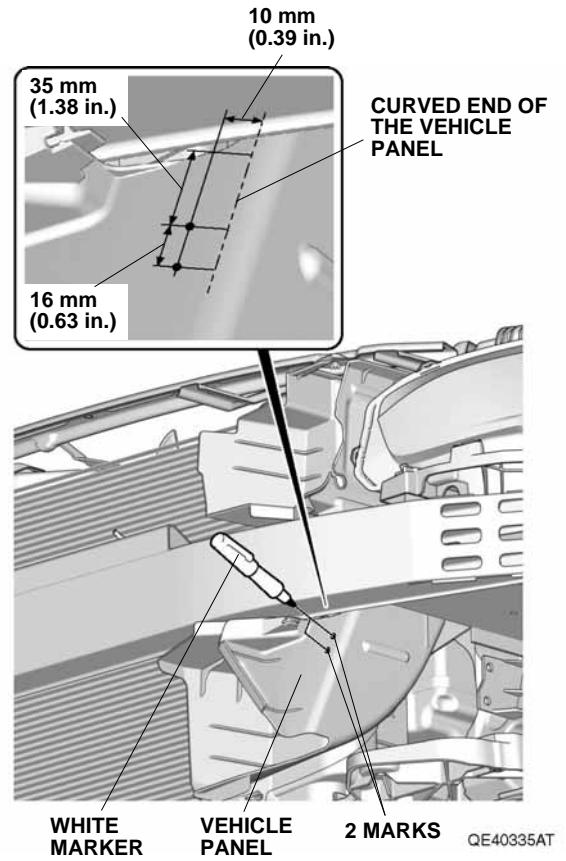
16. Route the heater harness down behind the bumper beam and secure the heater harness to the vehicle harness with two black wire ties.



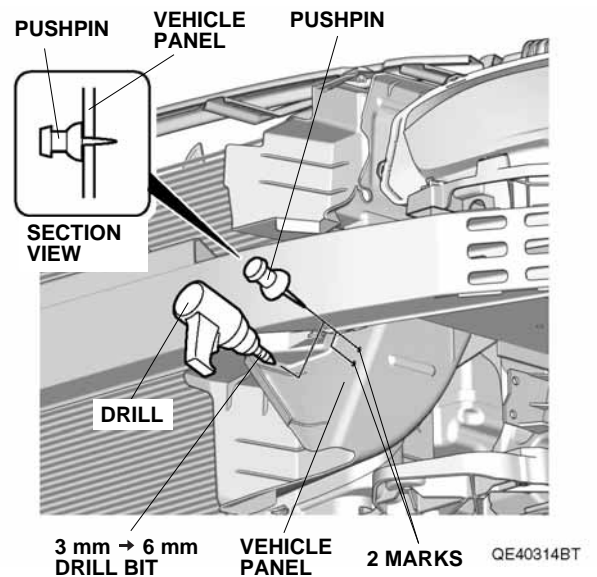
17. Route the heater harness as shown. Secure it to the vehicle harness with one black wire tie and to the bumper beam with one black wire tie at point D.



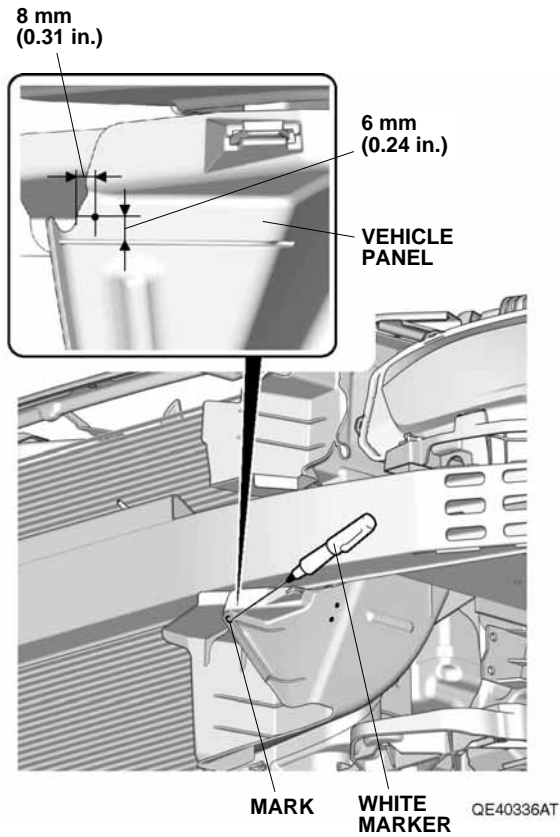
18. Using a white marker, mark the vehicle panel in the area shown.



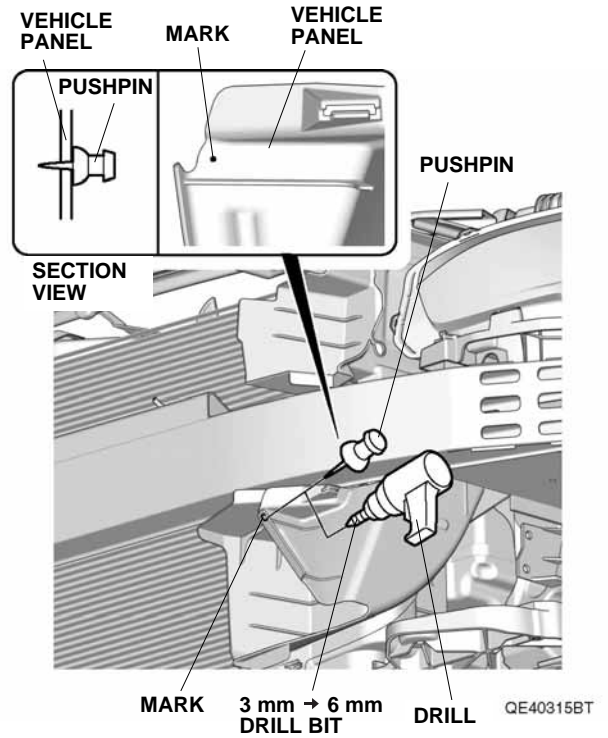
19. Using a pushpin, pierce the vehicle panel at the location shown. While wearing eye protection, drill two marks with a 3 mm drill bit, then enlarge the holes with a 6 mm drill bit. Remove any burrs.



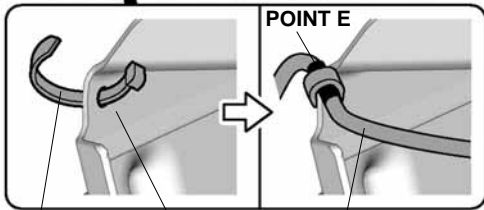
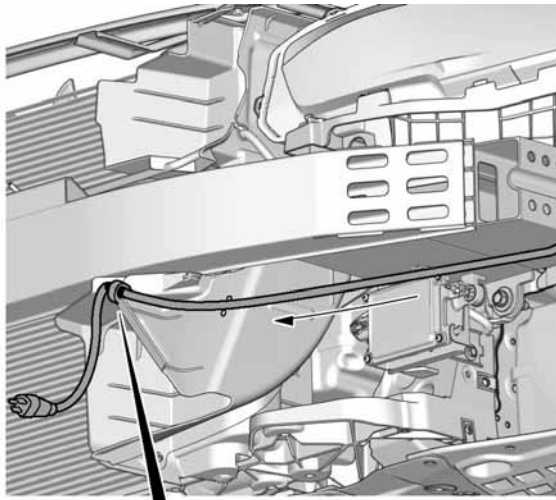
20. Using a white marker, mark the vehicle panel in the area shown.



21. Using a pushpin, pierce the vehicle panel at the location shown. While wearing eye protection, drill one mark with a 3 mm drill bit, then enlarge the hole with a 6 mm drill bit. Remove any burrs.



22. Route the heater harness down under the bumper beam and secure it to the vehicle panel with one black wire tie at point E.

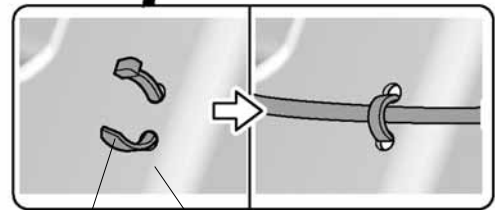
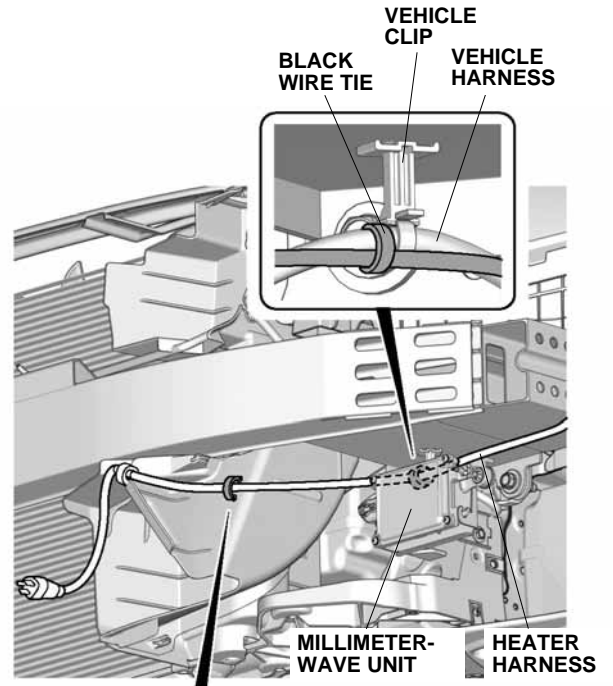


BLACK WIRE TIE VEHICLE PANEL HEATER HARNESS QE40316CT

If the vehicle is equipped with the millimeter wave radar, continue with step 23; otherwise, go to step 24.

With millimeter wave radar

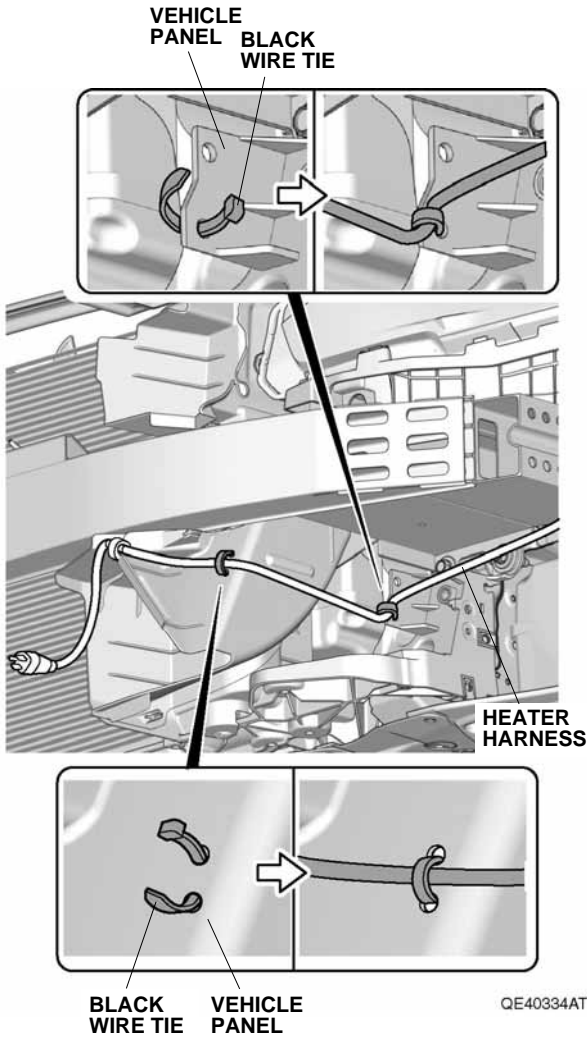
23. Secure the heater harness to the vehicle harness with one black wire tie and secure the heater harness to the vehicle panel with one black wire tie. Go to step 25.



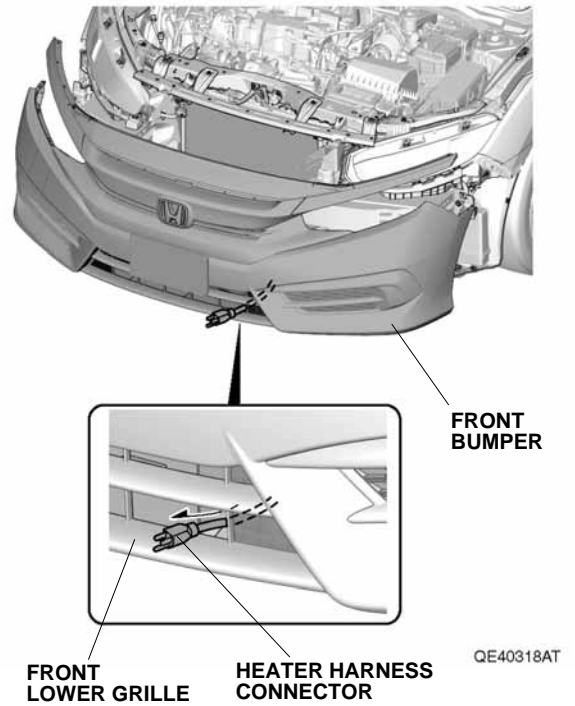
BLACK WIRE TIE VEHICLE PANEL QE40317BT

Without millimeter wave radar

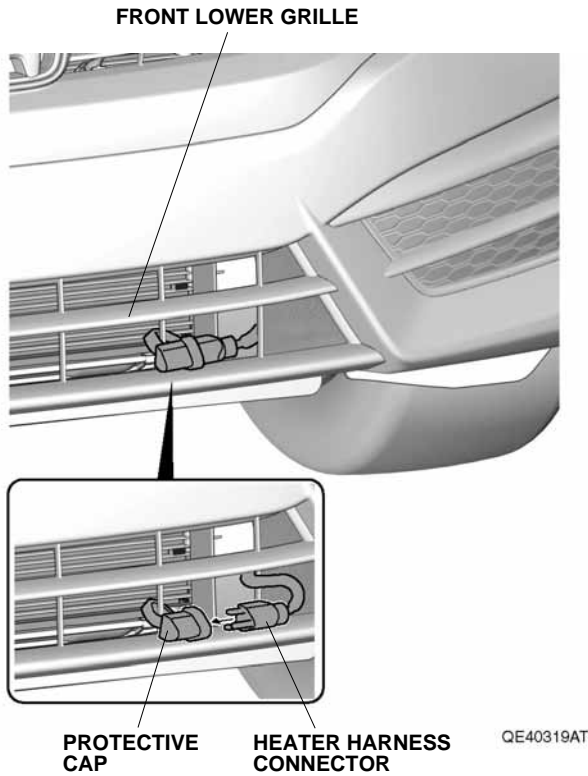
24. Secure the heater harness to the vehicle panel with two black wire ties.



25. 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.

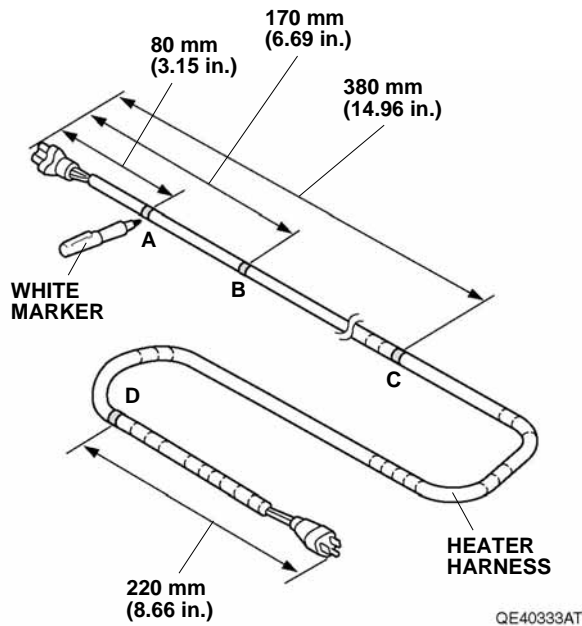


26. Attach the protective cap to the front lower grille and plug the heater harness connector into the protective cap. Go to step 45.



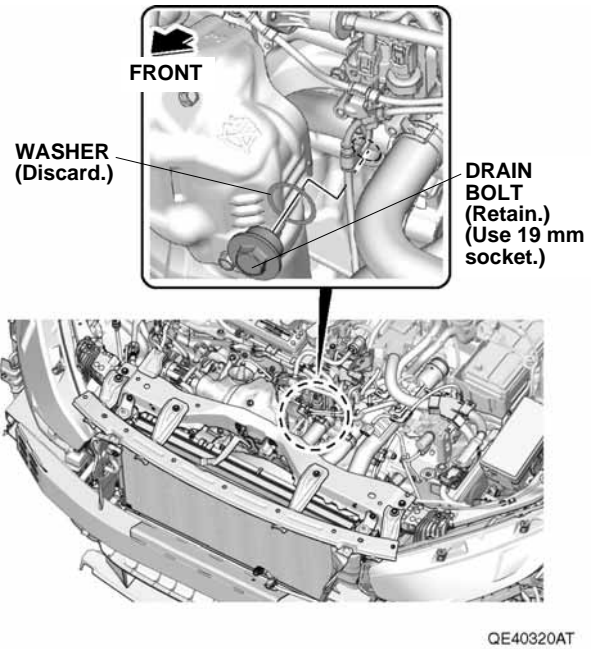
With 2.0L engine

27. Using a tape measure, measure and mark the heater harness in the areas shown.

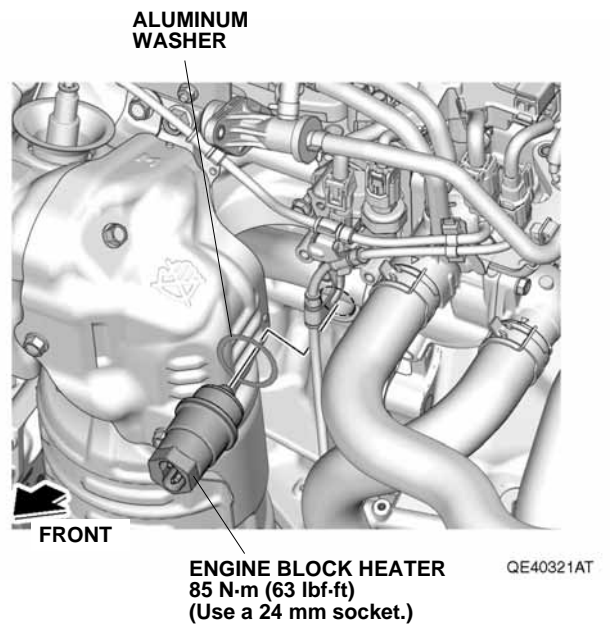


28. Locate and remove the drain bolt and washer. Coolant remaining in the engine jackets will flow out of the bolt hole when the bolt is removed. Retain the drain bolt in case the engine block heater is removed.

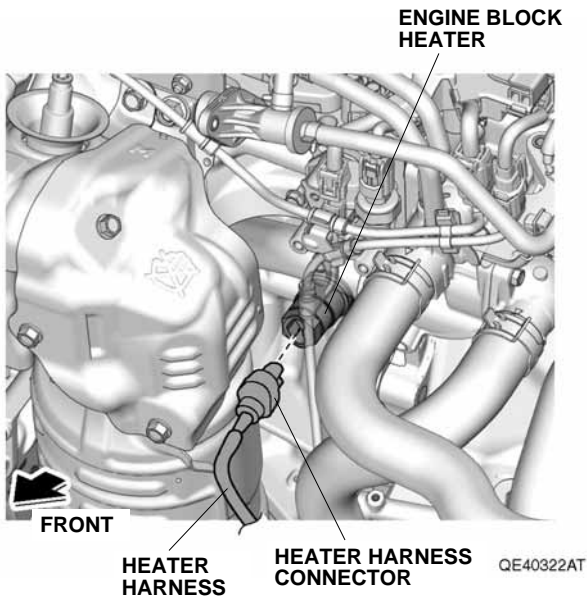
NOTE: Use a new washer if the drain bolt is reinstalled.



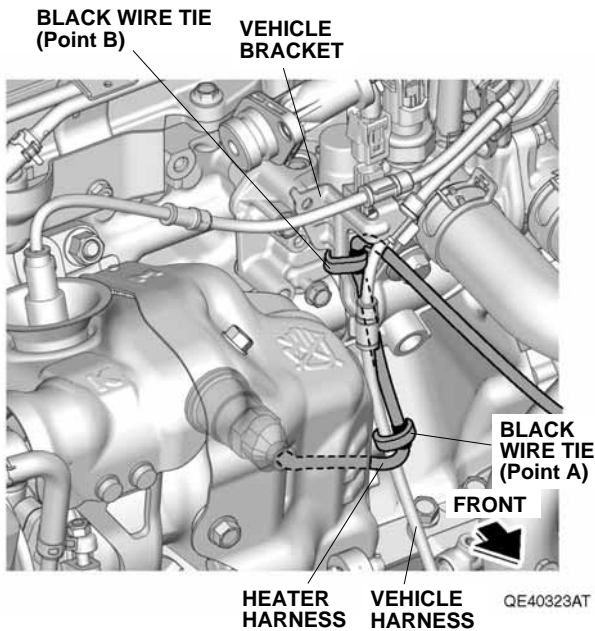
29. Install the engine block heater with the aluminum washer into the bolt hole using a 24 mm socket. Torque the engine block heater to 85 N·m (63 lbf·ft).



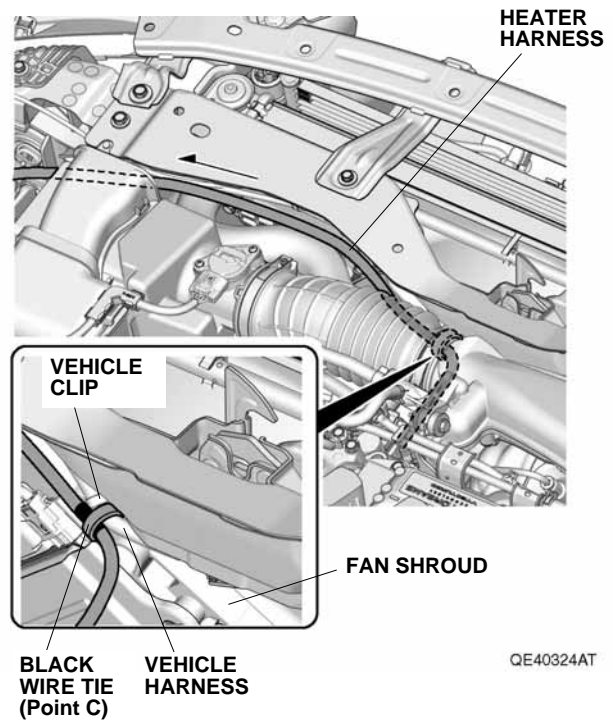
30. Plug the heater harness connector into the engine block heater. Make sure the heater harness connector is fully seated in the engine block heater.



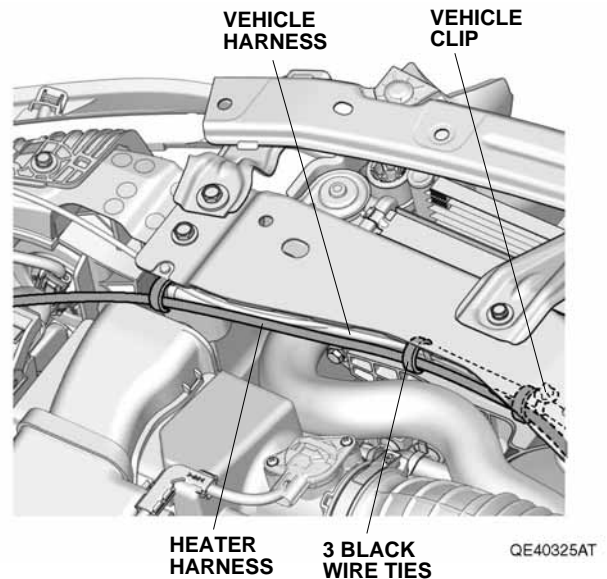
31. Secure the heater harness to the vehicle bracket and vehicle harness with two black wire ties at points A and B.



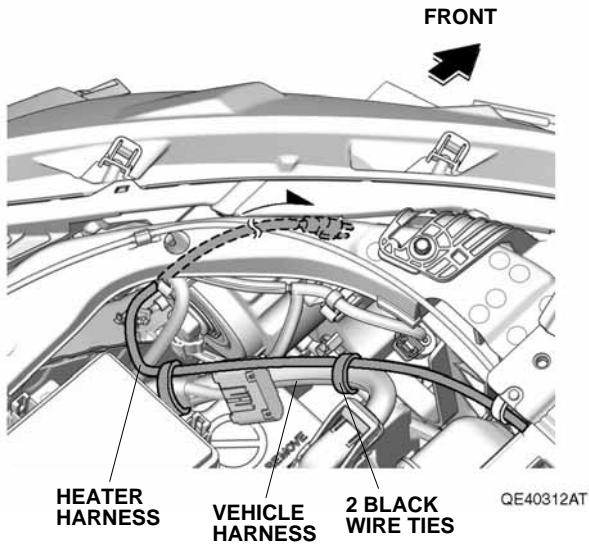
32. Route the heater harness toward the fan shroud and secure it to the vehicle harness with one black wire tie at the point C.



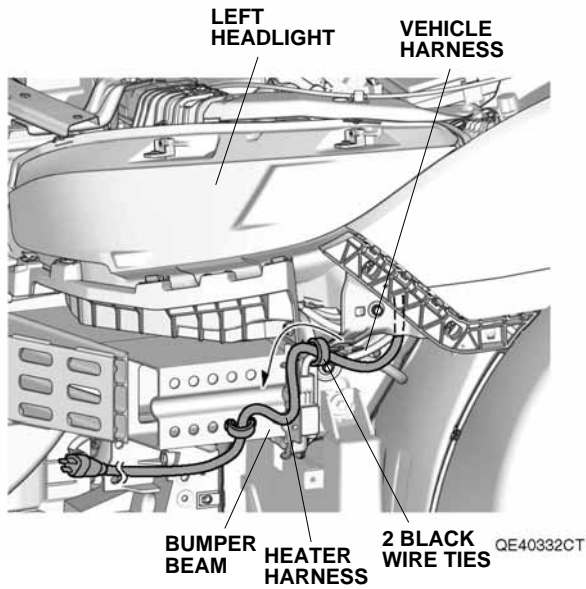
33. Secure the heater harness to the vehicle harness with three black wire ties.



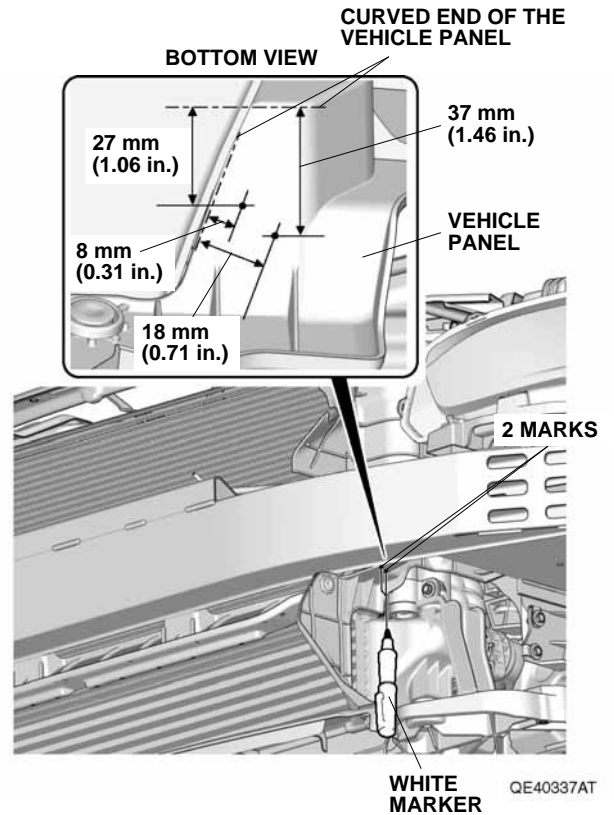
34. Route the heater harness down behind the bumper beam and secure it to the vehicle harness with two black wire ties.



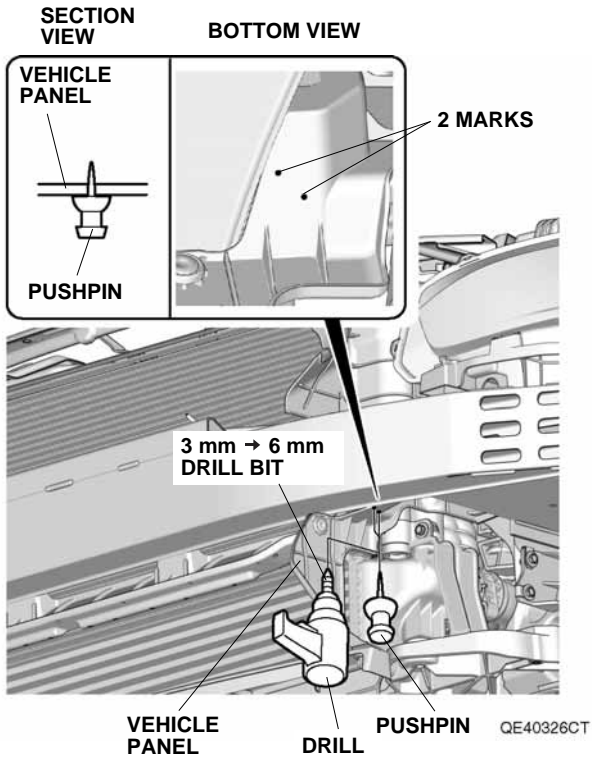
35. Route the heater harness as shown and secure it to the vehicle harness and bumper beam with two black wire ties.



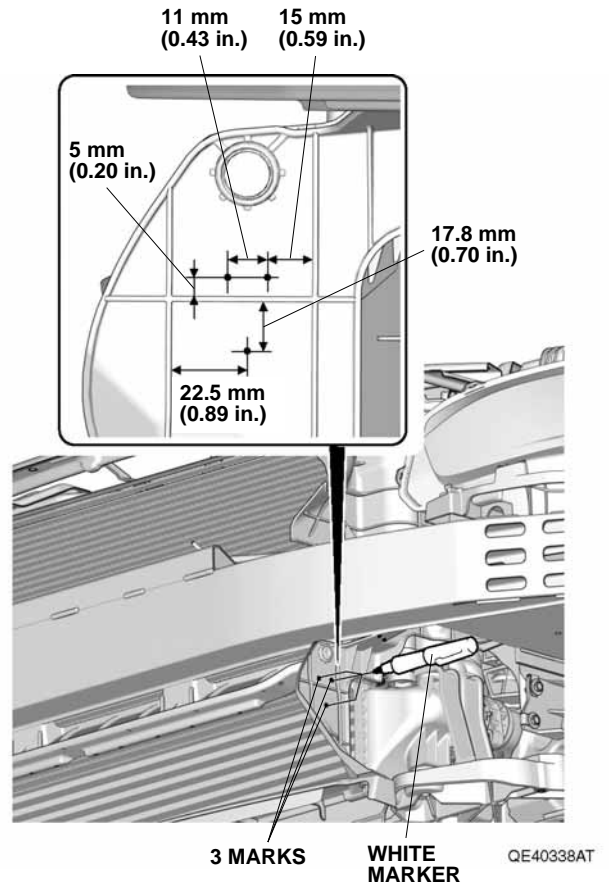
36. Using a white marker, mark the vehicle panel in the area shown.



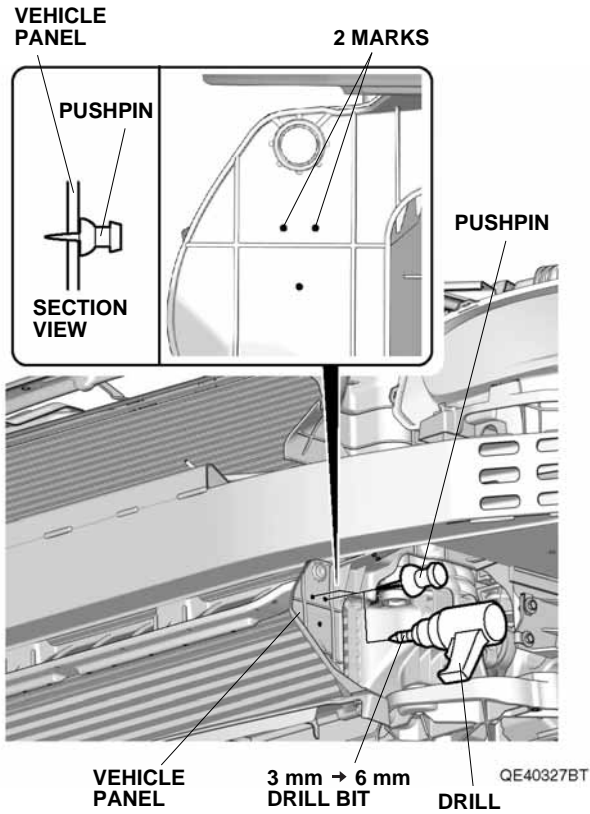
37. Using a pushpin, pierce the vehicle panel as shown. While wearing eye protection, drill two marks with a 3 mm drill bit, then enlarge the holes with a 6 mm drill bit. Remove any burrs.



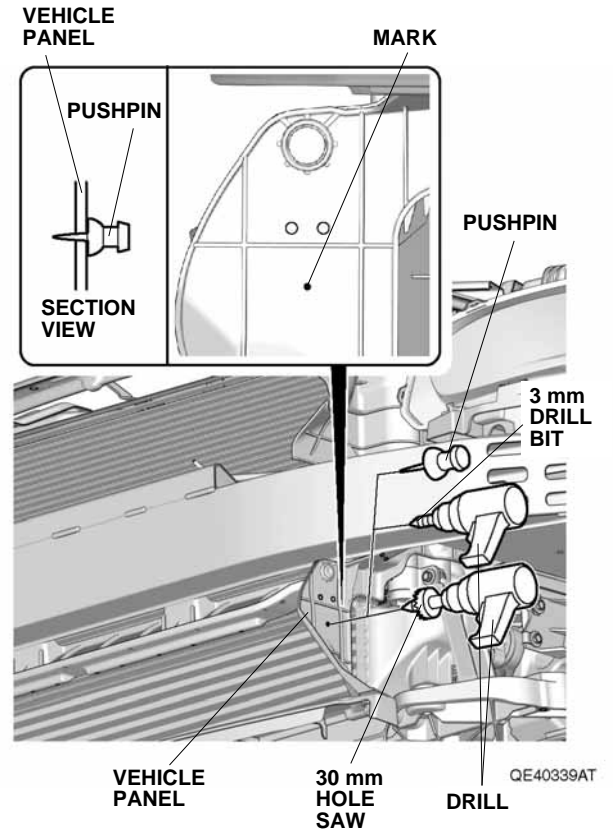
38. Using a white marker, mark the vehicle panel as shown



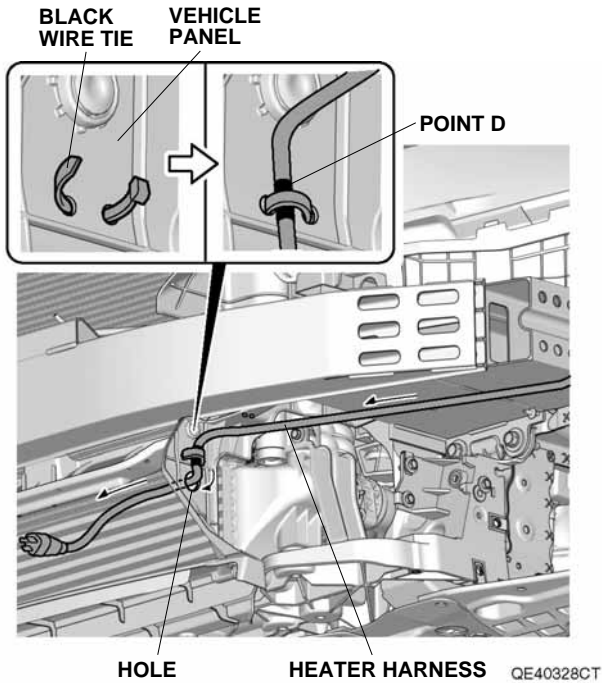
39. Using a pushpin, pierce the vehicle panel as shown. While wearing eye protection, drill two marks with a 3 mm drill bit, then enlarge the holes with a 6 mm drill bit. Remove any burrs.



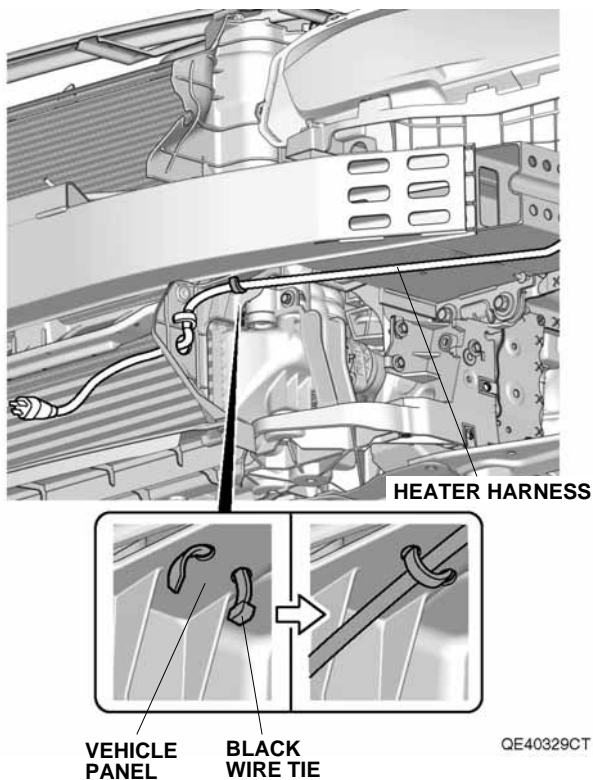
40. Using a pushpin, pierce the vehicle panel as shown. While wearing eye protection, drill one mark with a 3 mm drill bit, then enlarge the hole with a 30 mm hole saw. Remove any burrs.



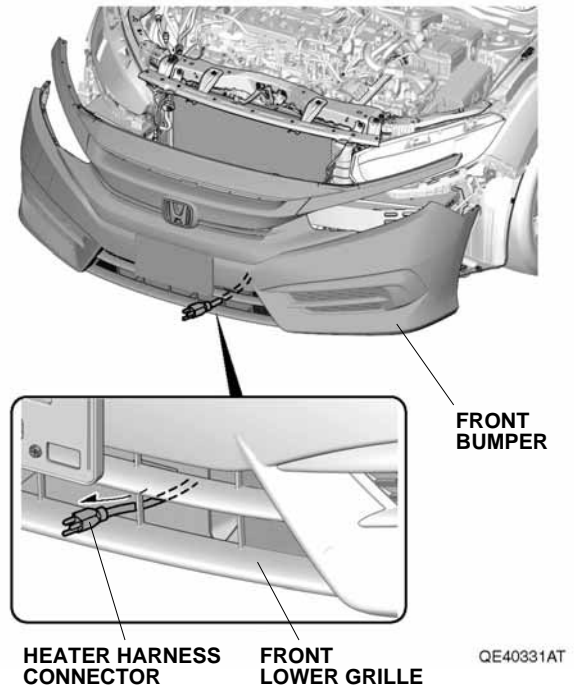
41. Route the heater harness down under the bumper beam and secure it to the vehicle panel with one black wire tie at point D.



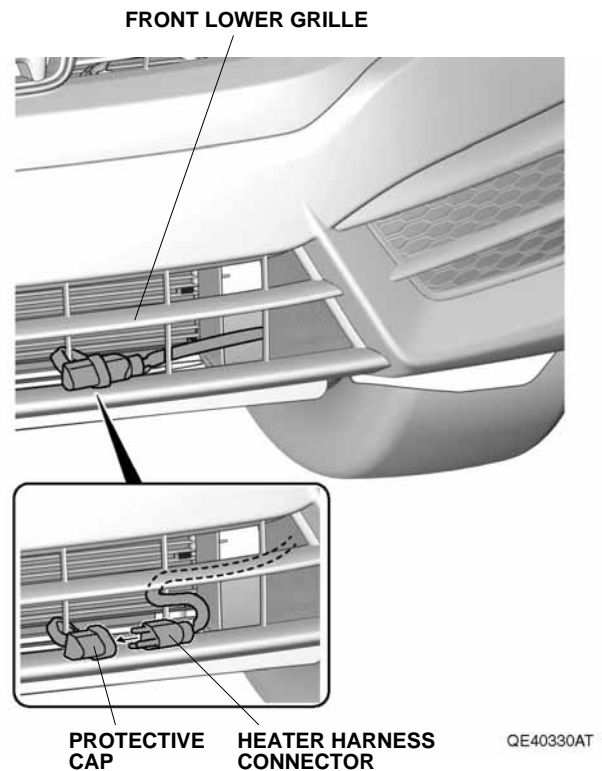
42. Secure the heater harness to the vehicle panel with one black wire tie.



43. 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.



44. Attach the protective cap to the front lower grille and plug the heater harness connector into it.



45. Install all removed parts.
46. Install the radiator drain plug.
47. 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.
48. Make sure that the heater harness is routed properly and all connectors are plugged in.
49. Install the radiator cap.
50. Put the drain bolt (removed in step 10 or step 28) in the glove box.
51. Connect the negative cable to the battery.
52. Press and hold the audio unit power button for two seconds to restore audio and navi (if equipped) system functions.
53. Set the clock.
54. If necessary, restore the systems back to normal operation as described in the service information.