



HONDA INSTALLATION INSTRUCTIONS

Accessory
ENGINE BLOCK HEATER
P/N 08T44-TGH-100

Application
2017 CIVIC TYPE R

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VERSION 2
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OCT 2017

PARTS LIST

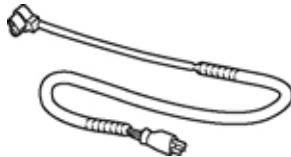
Engine block heater



Aluminum washer



Heater harness



Protective cap



12 Black wire ties
(4 Not used)



5 Wire ties with clip
(Not used)



2 Beige wire ties
(Not used)



5 Brown wire ties
(Some may not be used)



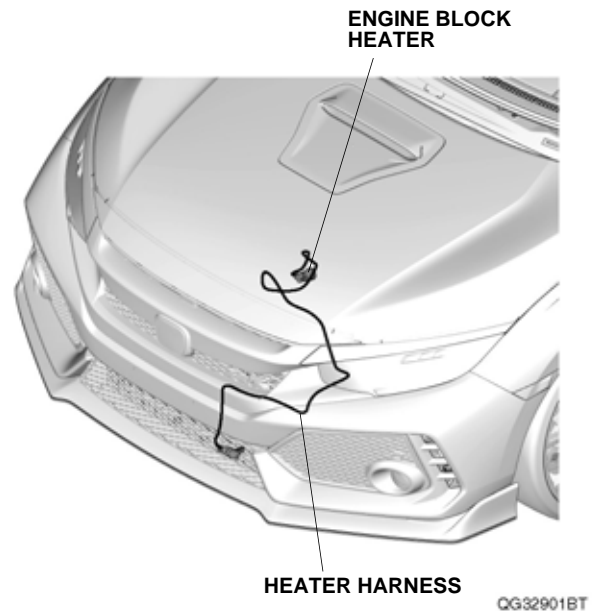
TOOLS AND SUPPLIES REQUIRED

Phillips screwdriver
Flat-tip screwdriver
Ratchet
8 mm, 10 mm, 19 mm, and 24 mm Sockets
10 mm Open end wrench
Torque wrench
Diagonal cutters
Heavy gloves
Drain pan
Utility knife
Ruler
Tape measure
White marker
Coolant (Honda Genuine Long Life Antifreeze/Coolant Type 2)
Blanket
Fender cover
Masking tape
Shop towel
Container
O2 Sensor wrench (Snap-on S6176 or equivalent, commercially available)

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 Installed on the Vehicle



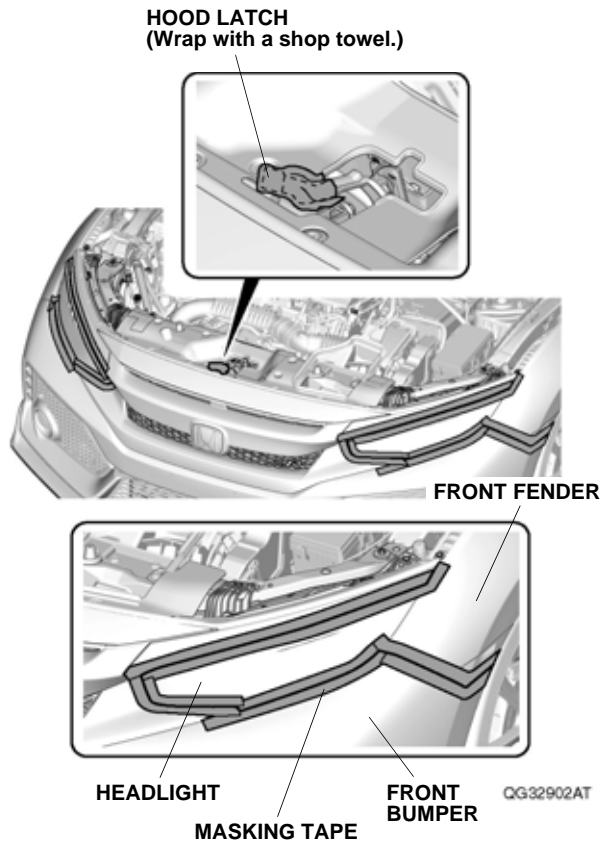
INSTALLATION

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."

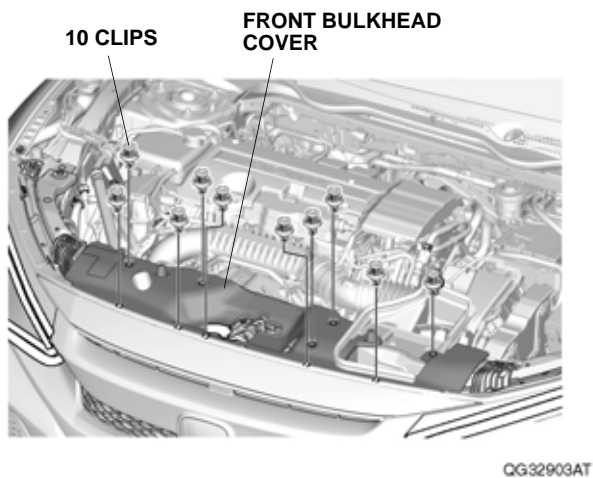
NOTICE:

- 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 lift and raise the vehicle off the ground.

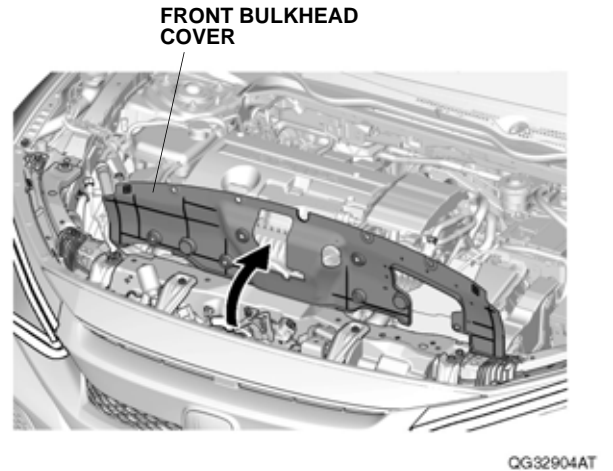
4. Remove the front bumper:
 - Apply masking tape as shown.
 - Wrap a shop towel around the hood latch.



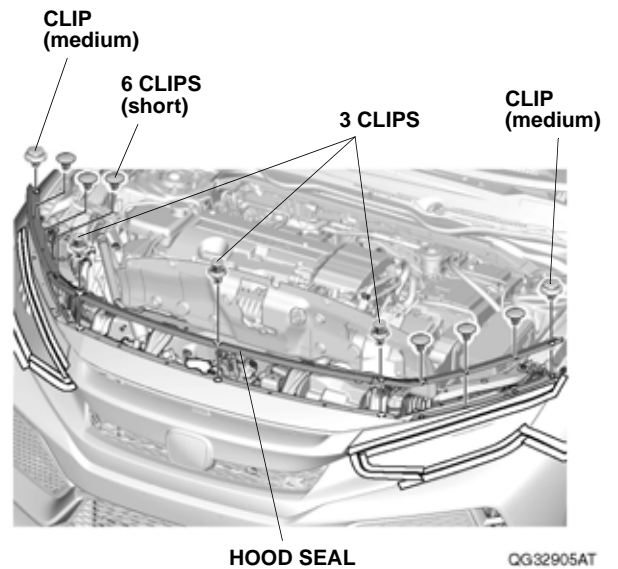
- Remove the front bulkhead cover.



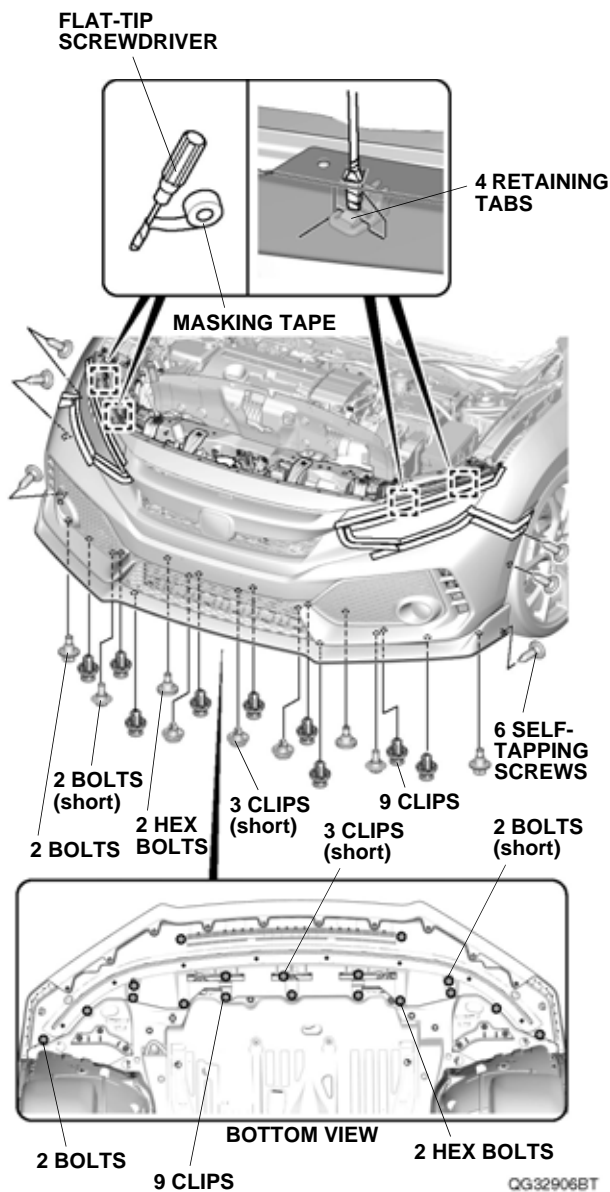
- Remove the front bulkhead cover.



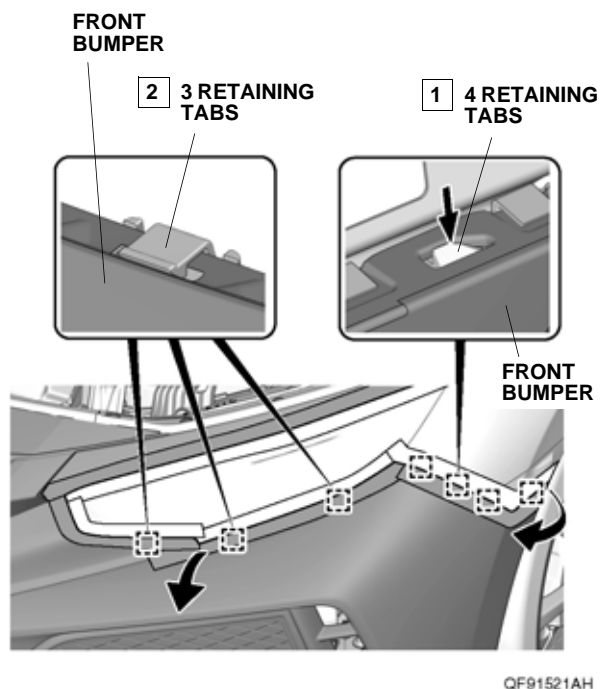
- Remove the hood seal.



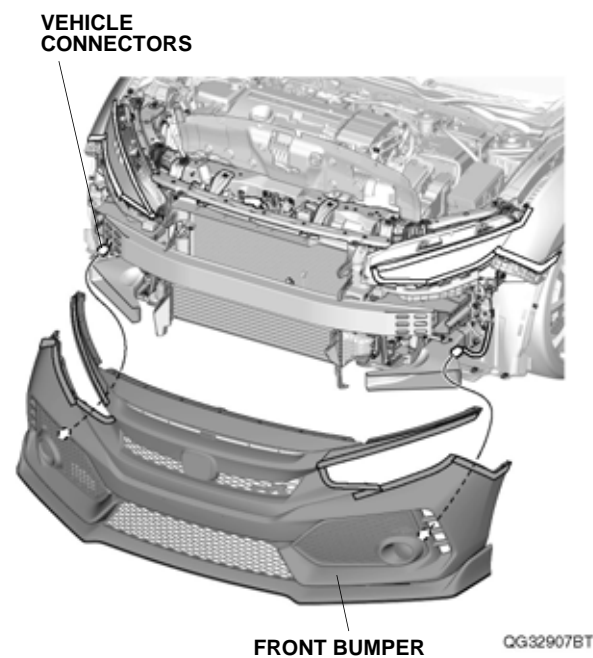
- Wrap masking tape around the tip of flat-tip screwdriver.
- Remove the 6 self-tapping screws, 6 bolts, and 12 clips.



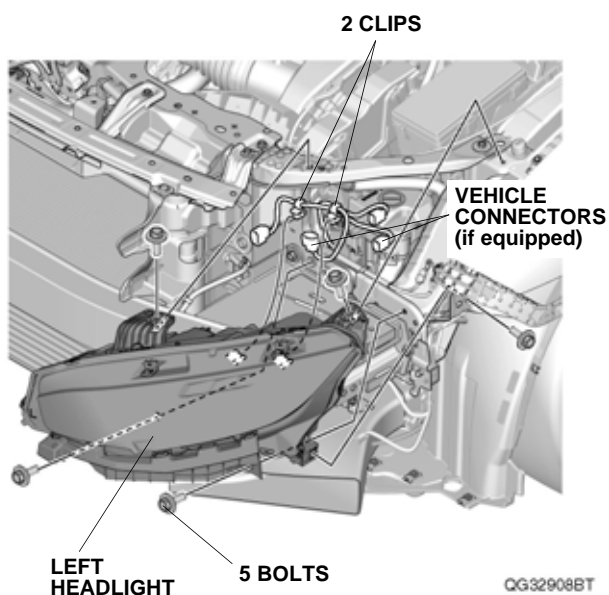
- With the help of an assistant, release the seven retaining tabs on each side.
NOTE: Remove the retaining tabs in the order shown. Make sure to remove the retaining tabs in the direction shown.



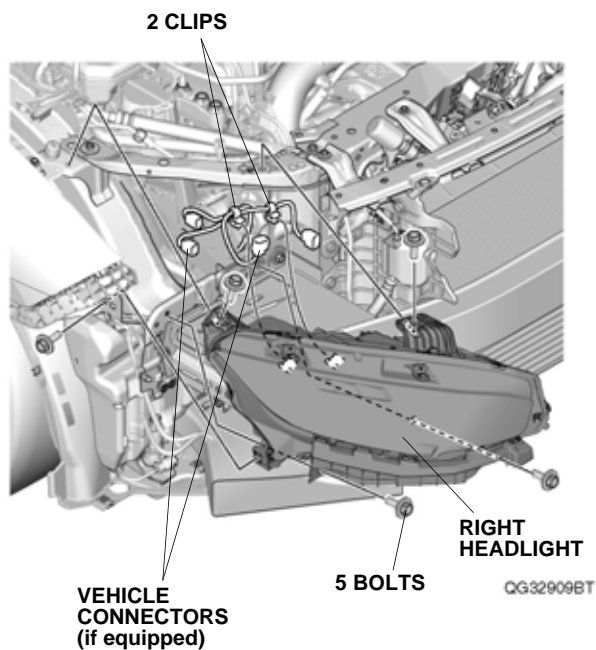
- With the help of an assistant, remove the front bumper and unplug the vehicle connectors. Place the front bumper on a blanket to prevent damage.



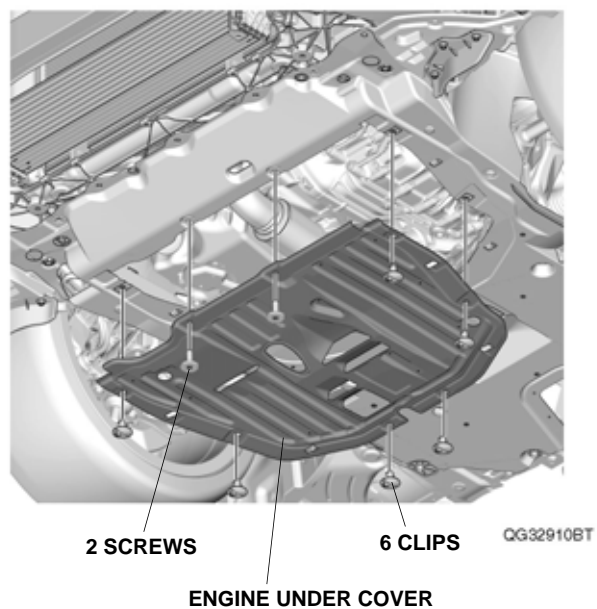
5. Unplug the vehicle connectors and remove the left headlight.



6. Unplug the vehicle connectors and remove the right headlight.

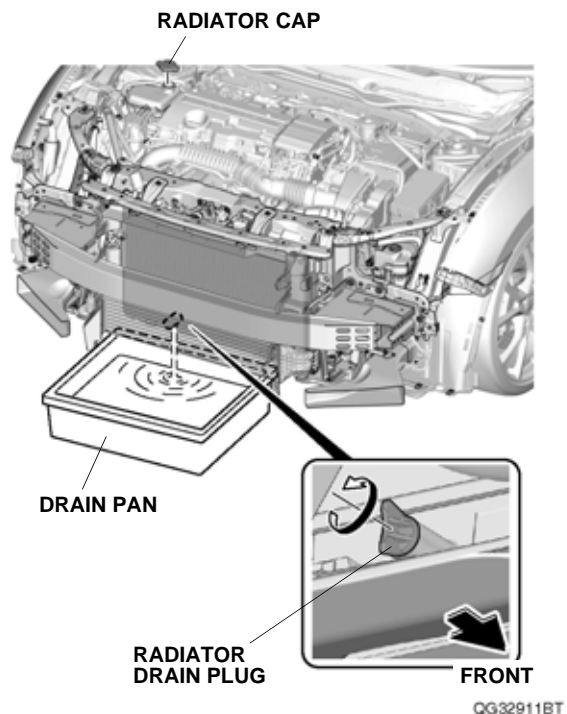


7. Remove the engine under cover.



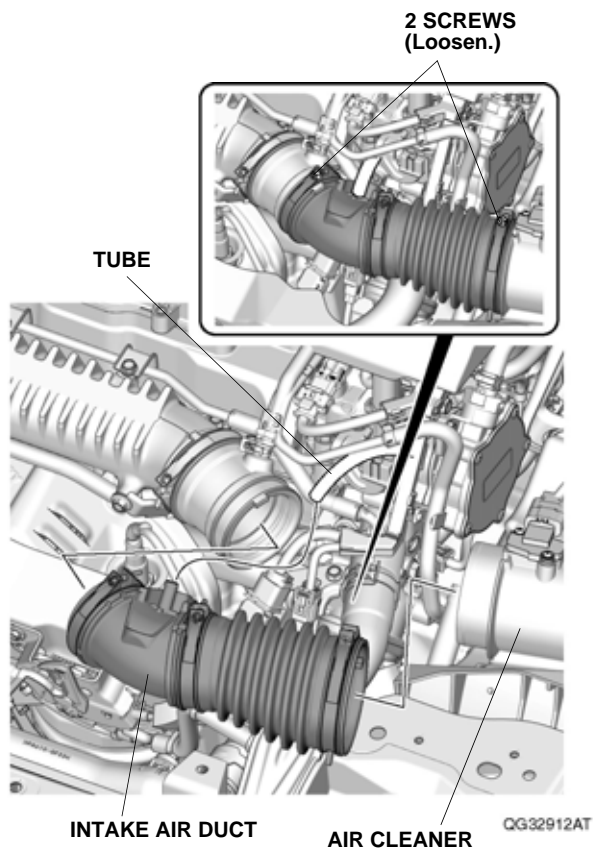
8. Place a clean drain pan under the radiator drain plug, then remove the drain plug from the bottom of the radiator to drain the coolant. Remove the radiator cap to increase the flow.

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

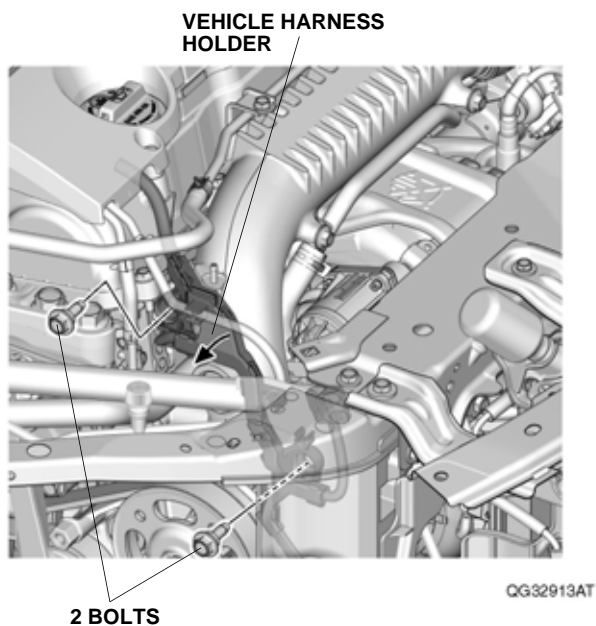


9. Drain the coolant completely, then install the radiator cap.

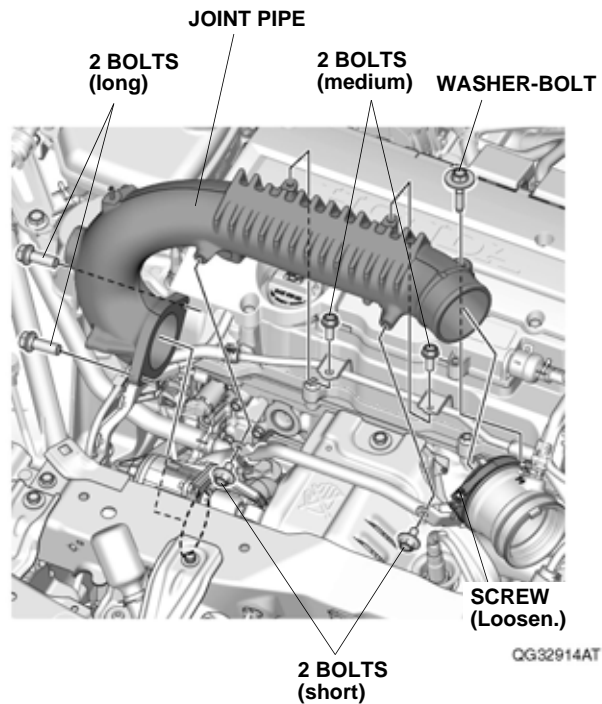
10. Remove the intake air duct.



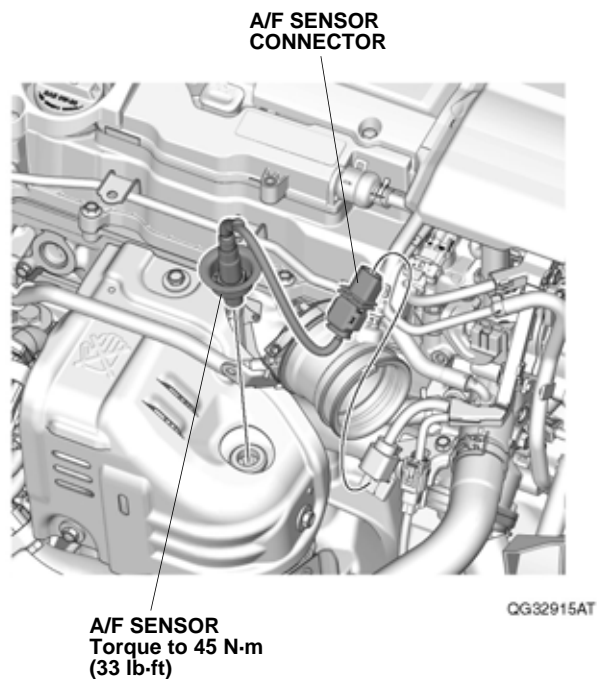
11. Release the vehicle harness holder.



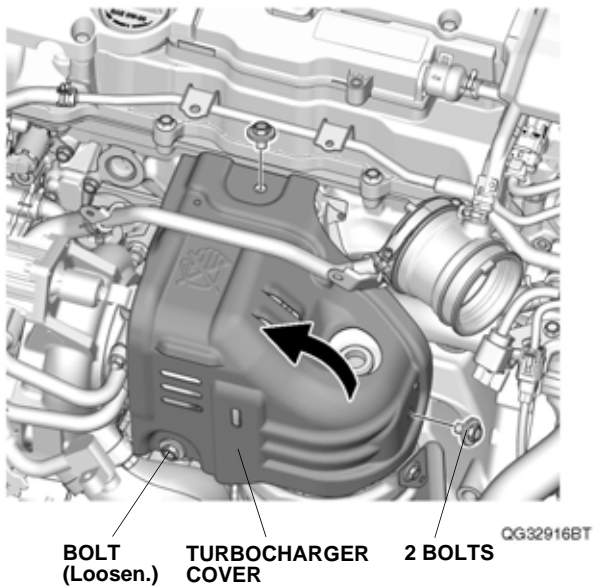
12. Remove the joint pipe as shown.



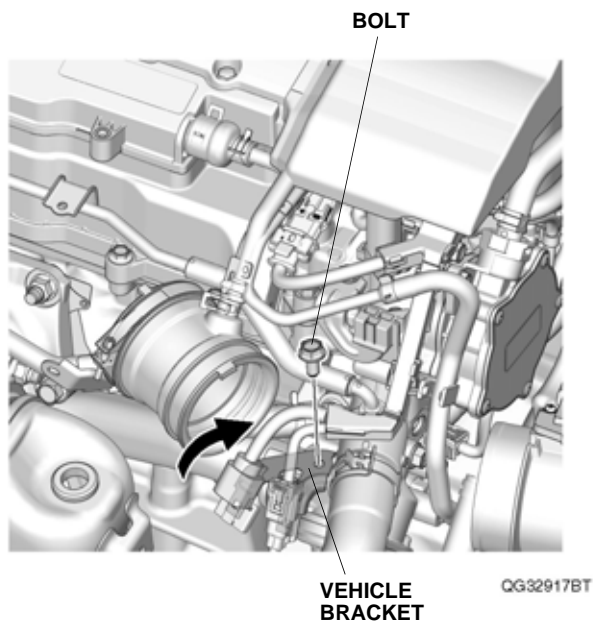
13. Using a commercially available O2 sensor wrench, remove the A/F sensor and unplug the A/F sensor connector. Torque the A/F sensor to 45 N·m (33 lb·ft).



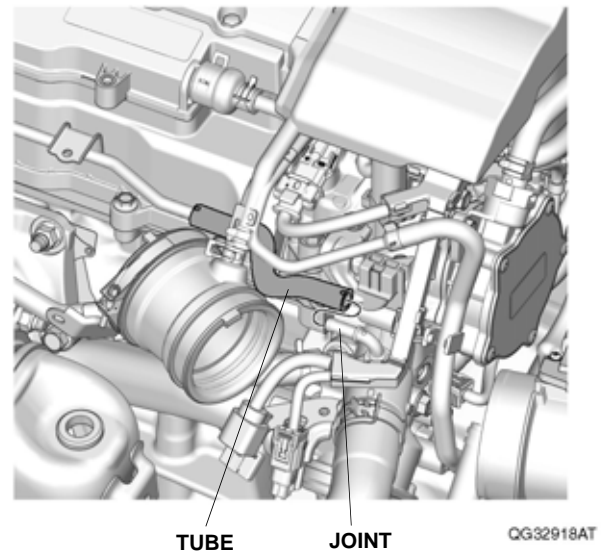
14. Release the turbocharger cover.



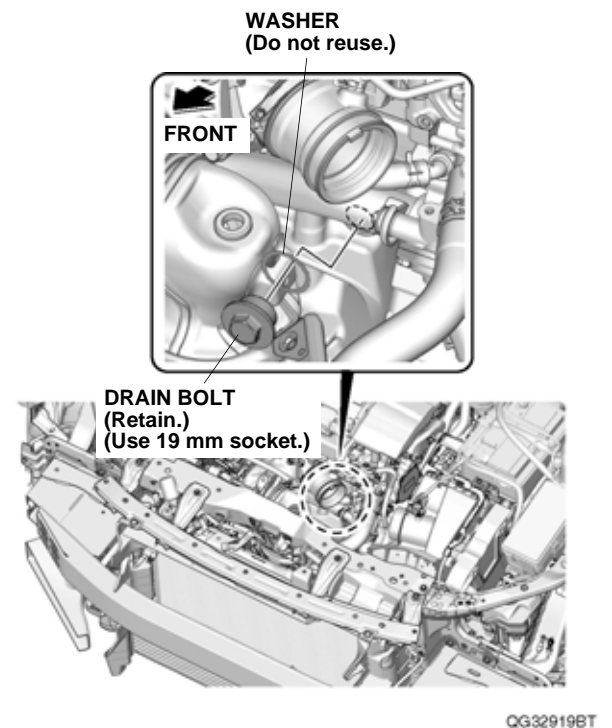
15. Release the vehicle bracket.



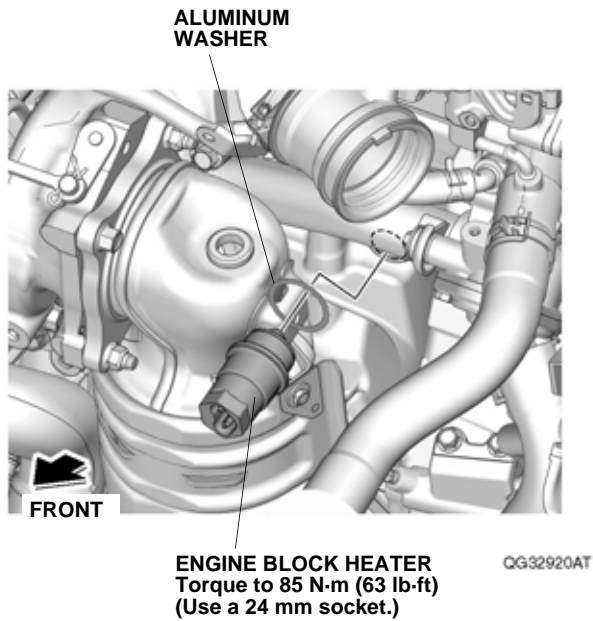
16. Disconnect the tube.



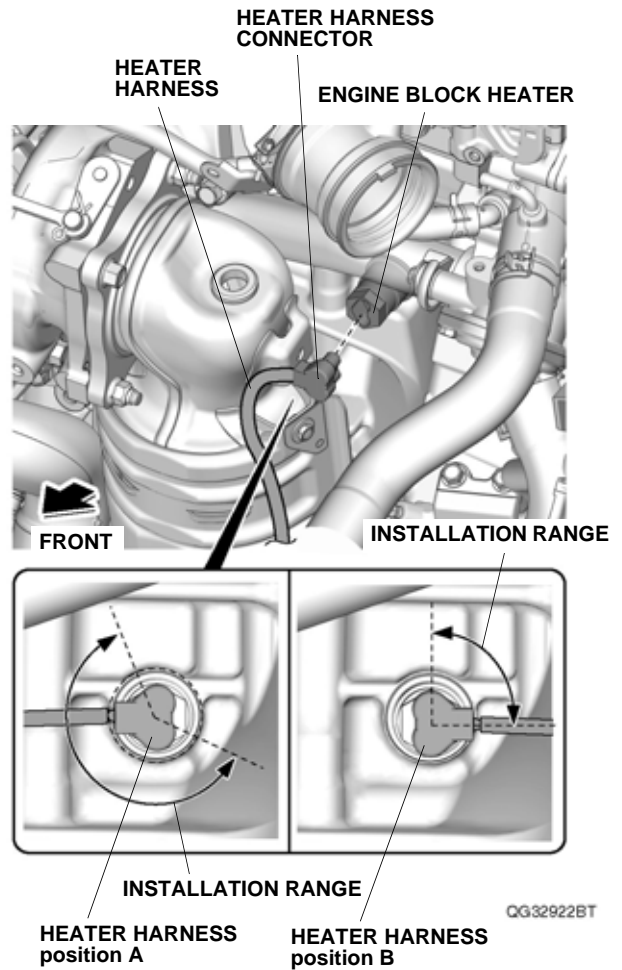
17. Remove the drain bolt and washer. Coolant remaining in the engine jackets will flow out of the bolt hole when the bolt is removed. Retain the drain bolt in case the engine block heater is removed. **NOTE:** Use a new washer if the drain bolt is reinstalled.



18. 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).



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

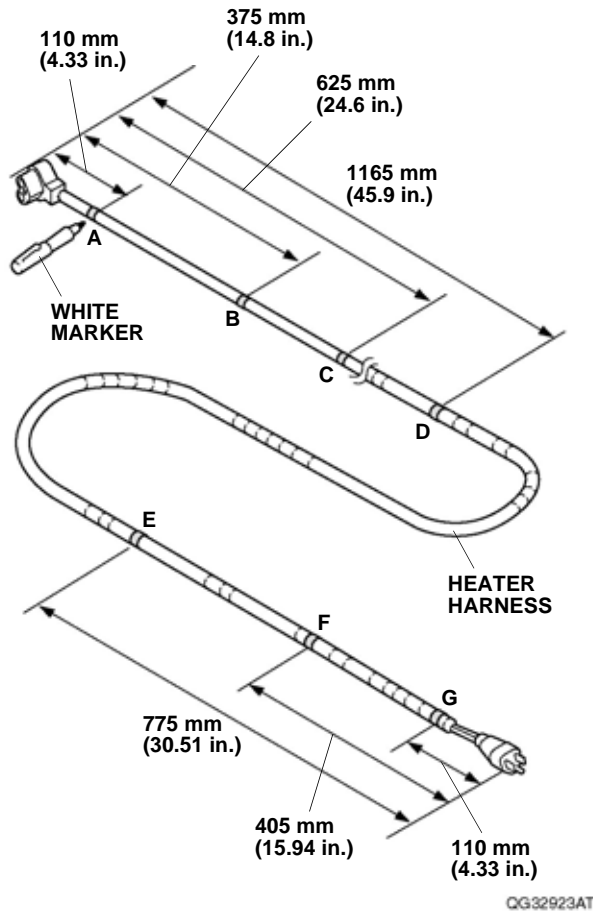


20. Unplug the heater harness connector.

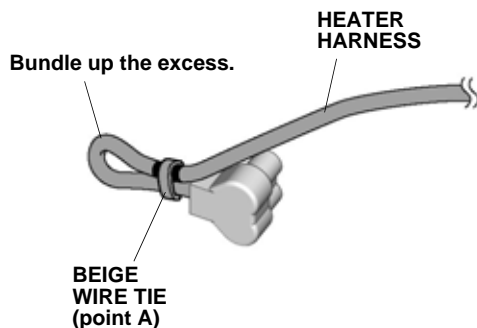
If the vehicle requires heater harness position A, continue with step 21; vehicles with position B, go to step 24.

With heater harness position A

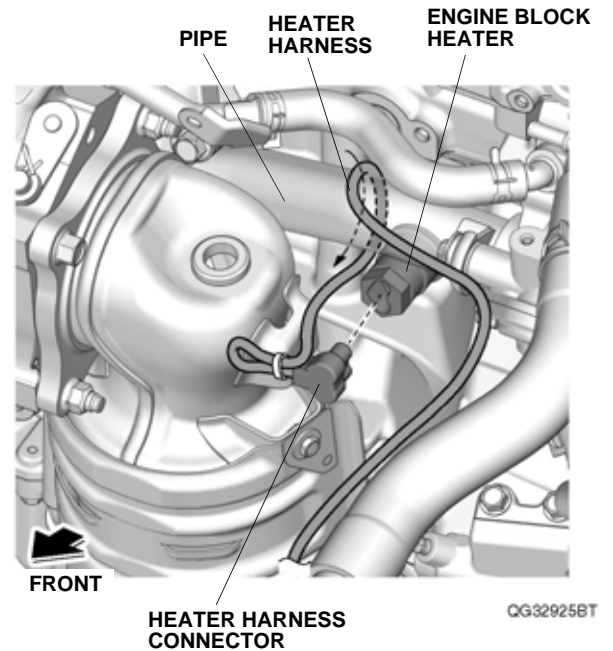
21. Using a tape measure, measure and mark the heater harness as shown.



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

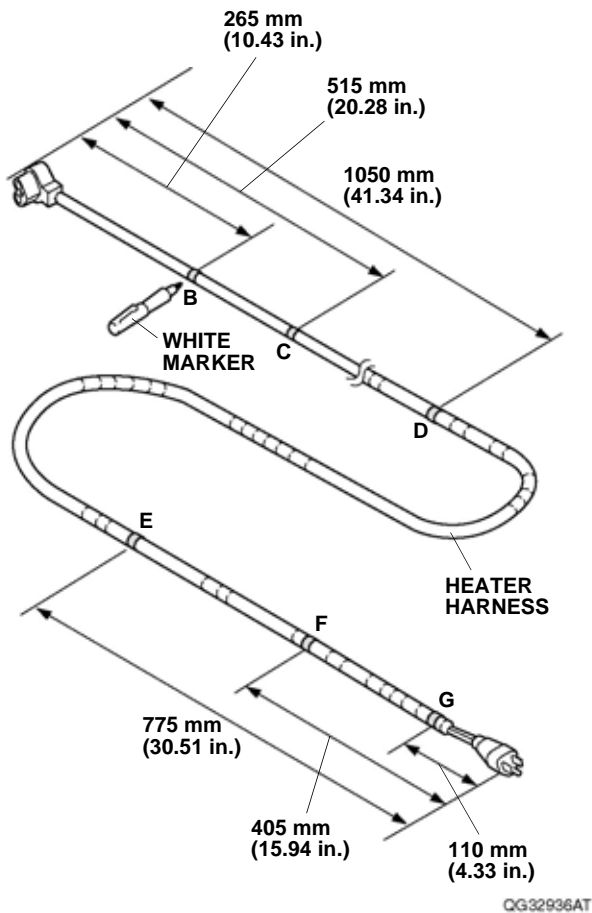


23. Route the heater harness down under the pipe and plug the heater harness connector into the engine block heater. Make sure it is fully seated in the engine block heater. Go to step 26.

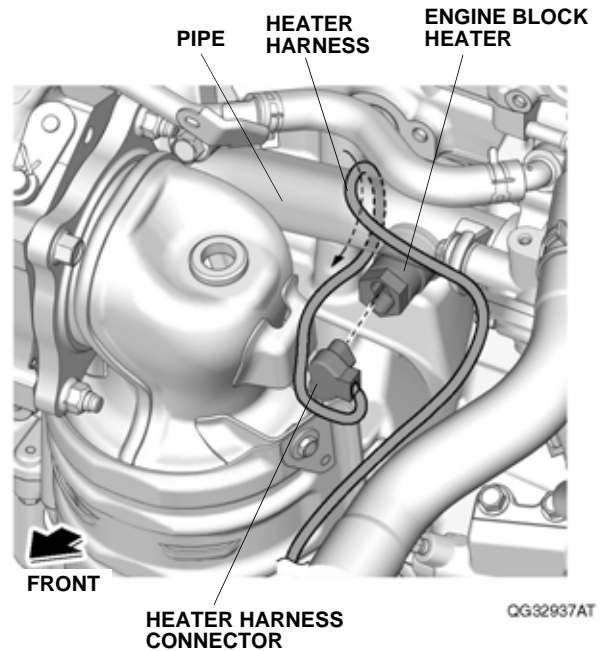


With heater harness position B

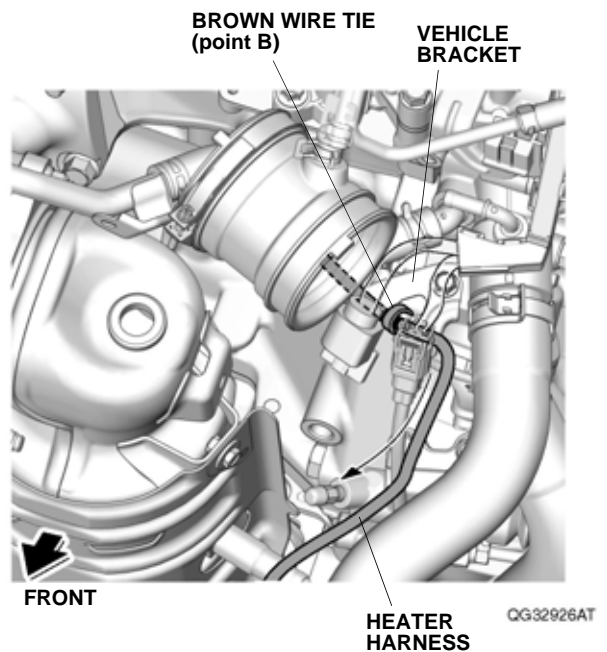
24. Using a tape measure, measure and mark the heater harness as shown.



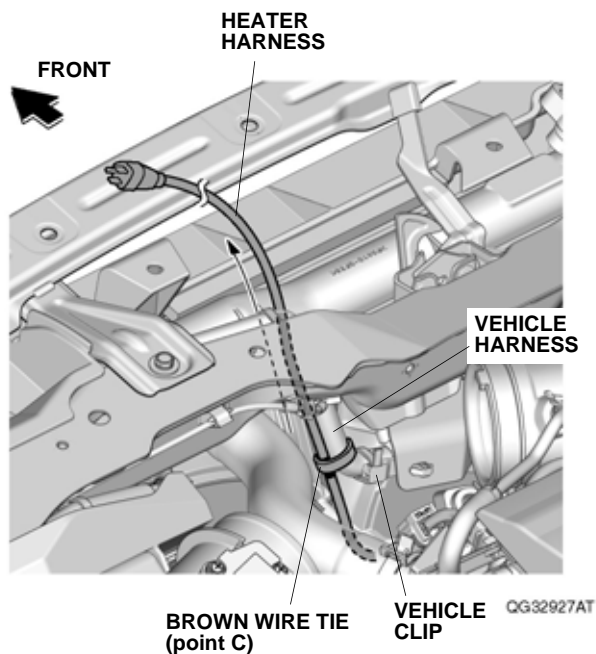
25. Route the heater harness down under the pipe, and plug the heater harness connector into the engine block heater. Make sure it is fully seated in the engine block heater.



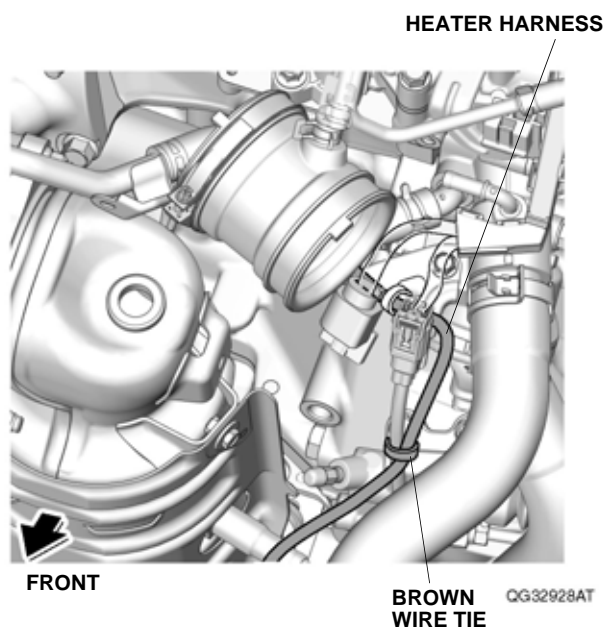
26. Install the vehicle bracket released in step 15, and secure the heater harness to the vehicle bracket with one brown wire tie at point B.



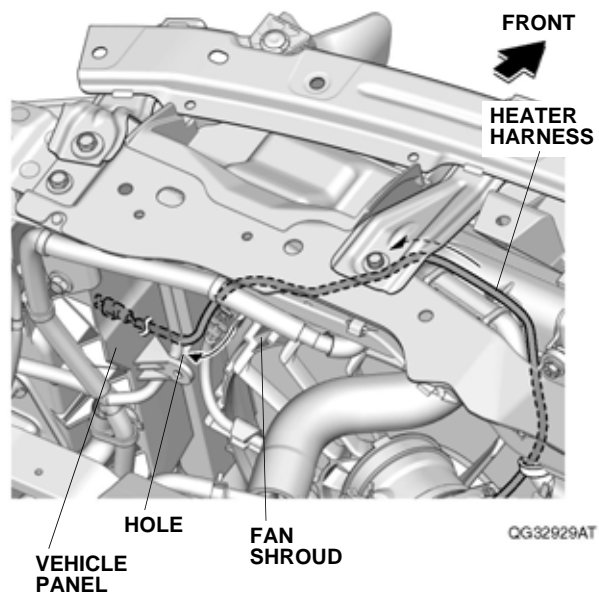
27. Route the heater harness toward the fan shroud and secure it to the vehicle harness with one brown wire tie at point C.



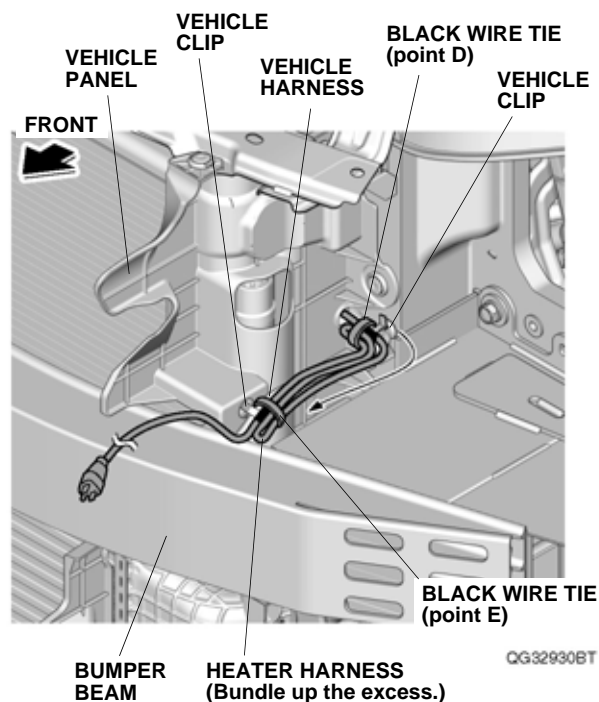
28. Secure the heater harness to the vehicle harness with one brown wire tie.



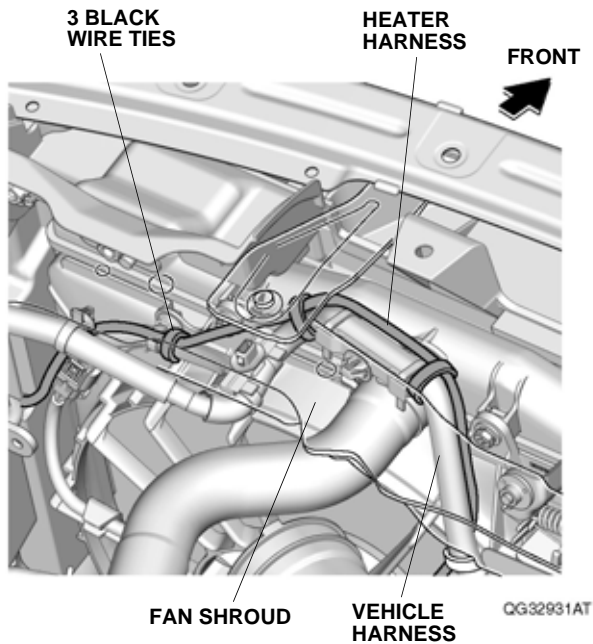
29. Route the heater harness toward the fan shroud and route the heater harness to the vehicle panel hole.



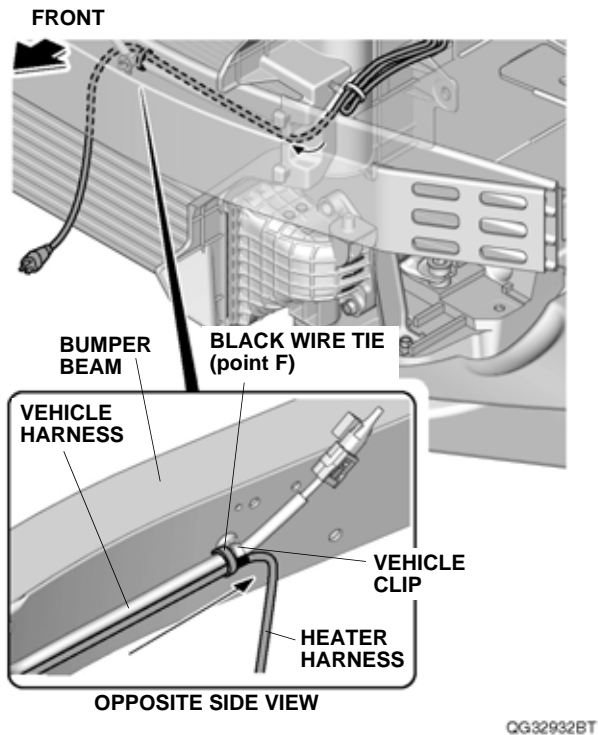
30. Bundle up the excess heater harness and secure it to the vehicle harness with two black wire ties at points D and E.



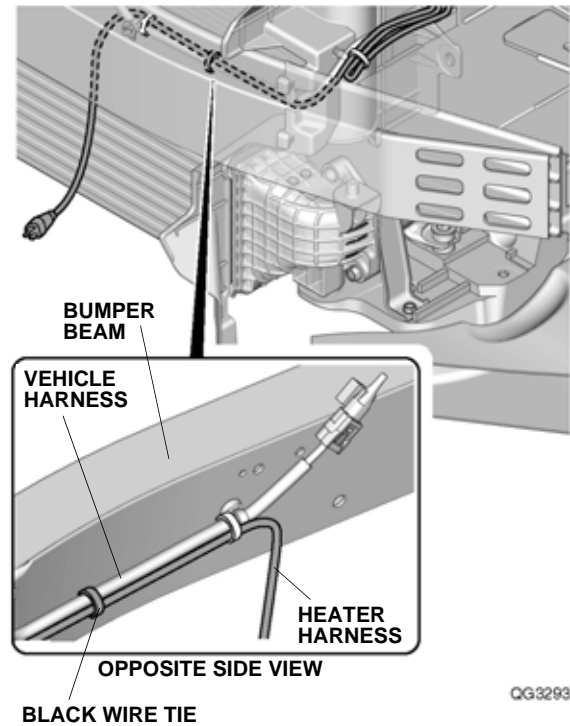
31. Secure the heater harness to the vehicle harness with three black wire ties.



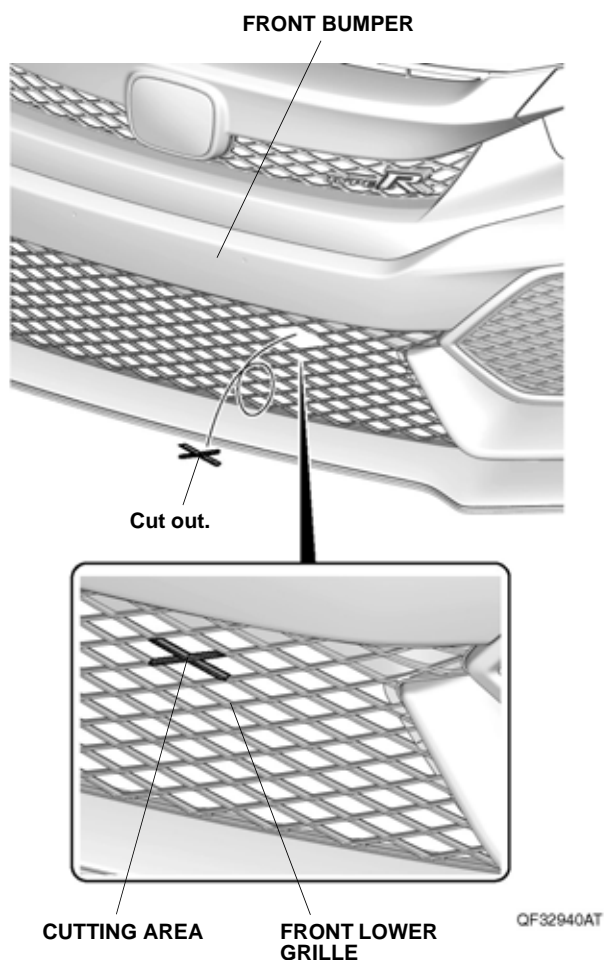
32. Secure the heater harness to the vehicle harness with one black wire tie at point F.



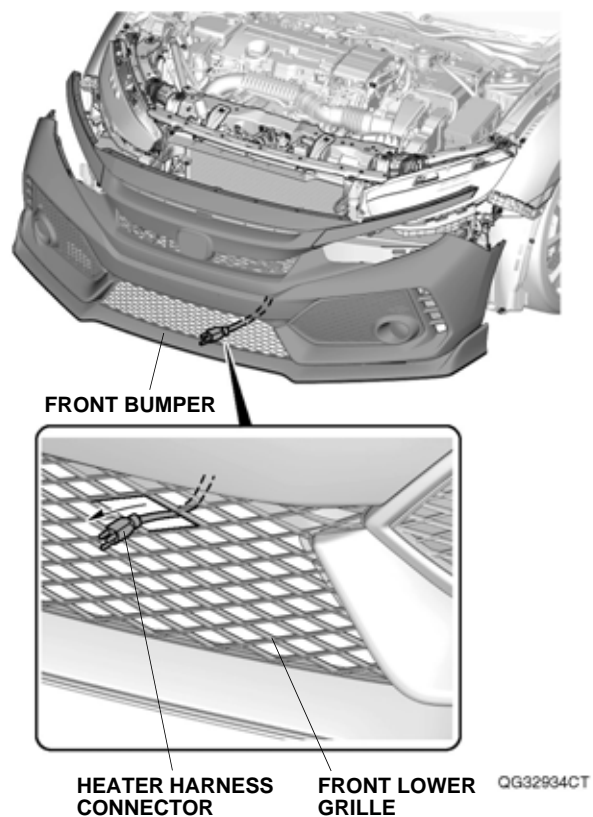
33. Secure the heater harness to the vehicle harness with one black wire tie.



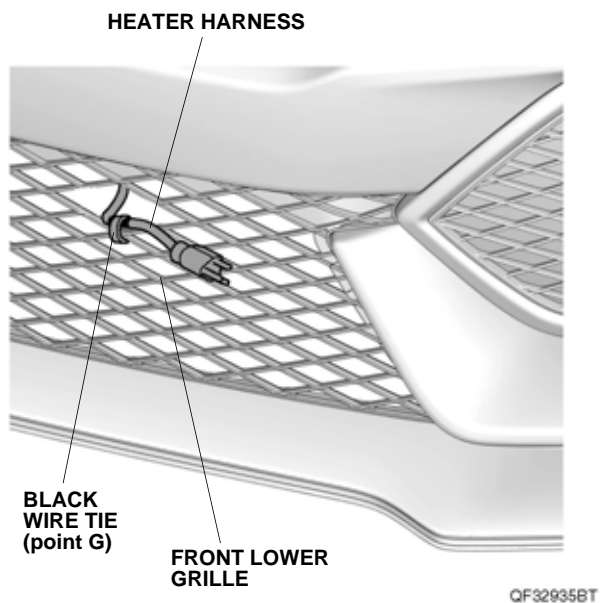
34. Using a utility knife, cut out the front lower grille as shown. Remove any burrs.



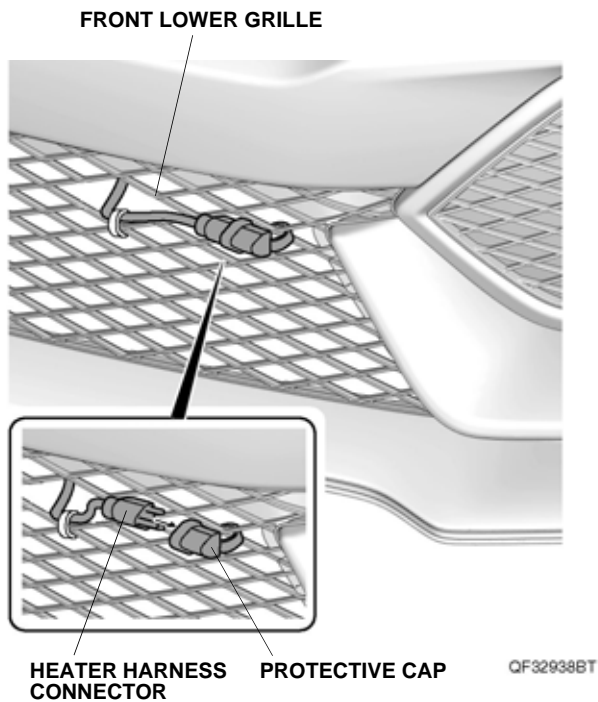
35. Install the left and right headlights. With the help of an assistant, bring the front bumper close to the vehicle. Route the heater harness through the front lower grille, then install the front bumper.



36. Secure the heater harness to the front lower grille with one black wire tie at point G.



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



38. Install all removed parts.
39. Install the radiator drain plug.
40. 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.
41. Make sure the heater harness is routed properly and all connectors are plugged in.
42. Install the radiator cap.
43. Put the drain bolt (removed in step 17) in the glove box.
44. Connect the negative cable to the battery.
45. Press and hold the audio unit power button for 2 seconds to restore audio and navi (if equipped) system functions.
46. Set the clock.
47. If necessary, restore the systems back to normal operation as described in the service information.