

PARTS LIST
**Engine Block Heater Kit
P/N 08T44-SNA-102**

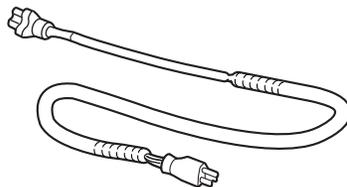
Engine block heater



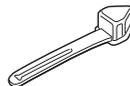
Aluminum washer

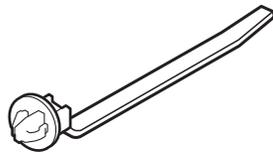
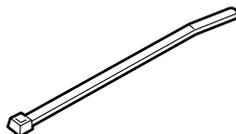


Heater harness



Protective cap


 12 Black wire ties
(6 Not used)

 7 Wire ties with clip
(4 Not used)

 5 Wire ties (Natural)
(4 Not used)

**Engine Block Heater Bracket Kit
P/N 08T44-TK6-100**

Engine block heater bracket



6 x 12 mm Washer-bolt


TOOLS AND SUPPLIES REQUIRED

Ratchet

12 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 All Season Antifreeze/Coolant Type 2)

Fender cover

Phillips screwdriver

Masking tape

Blanket

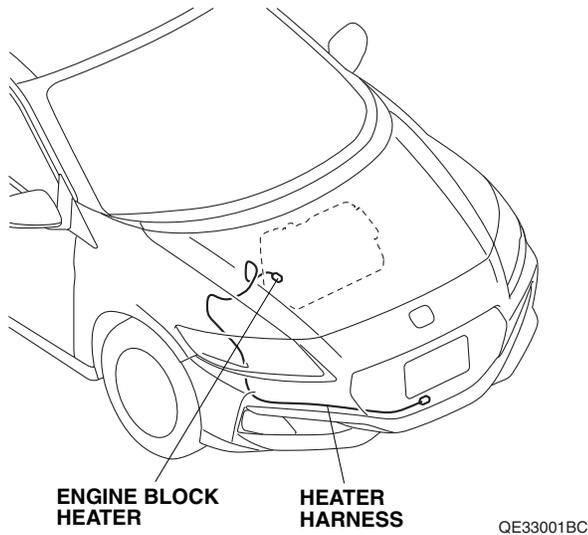
Hacksaw

File

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 in the Vehicle



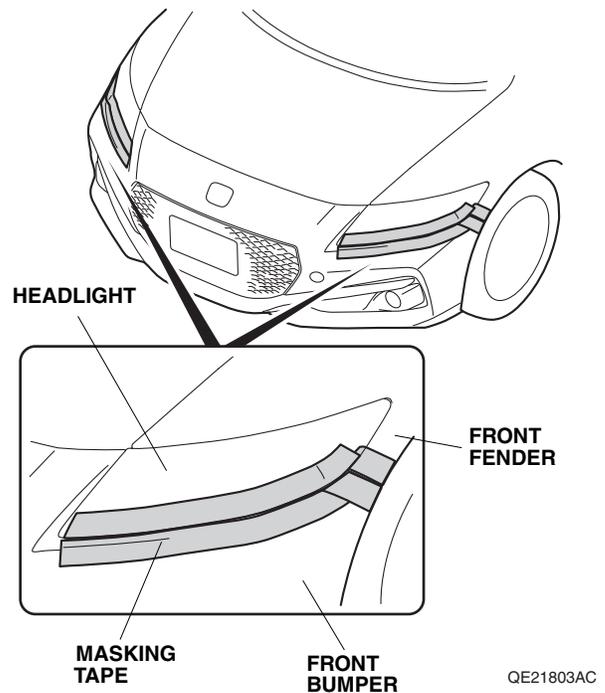
INSTALLATION

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.”

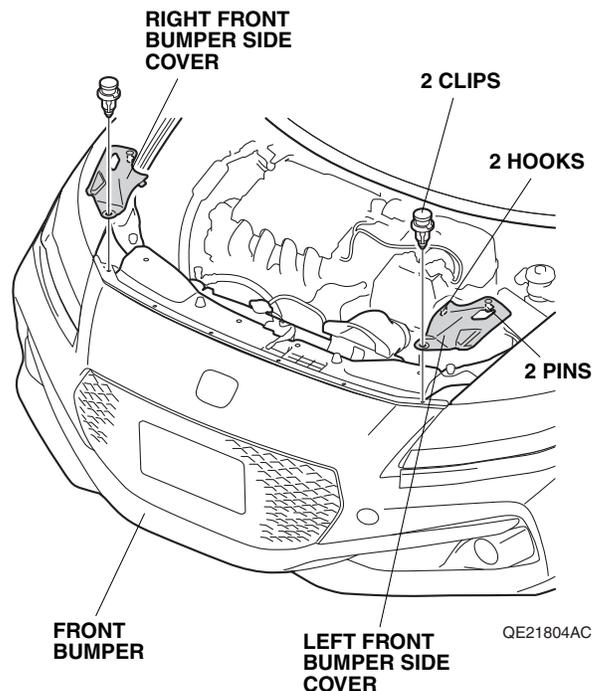
NOTE:

- Always use, Honda All Season 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. Raise the vehicle off the ground and support its weight by placing rigid racks in the proper locations as described in the Service Manual.

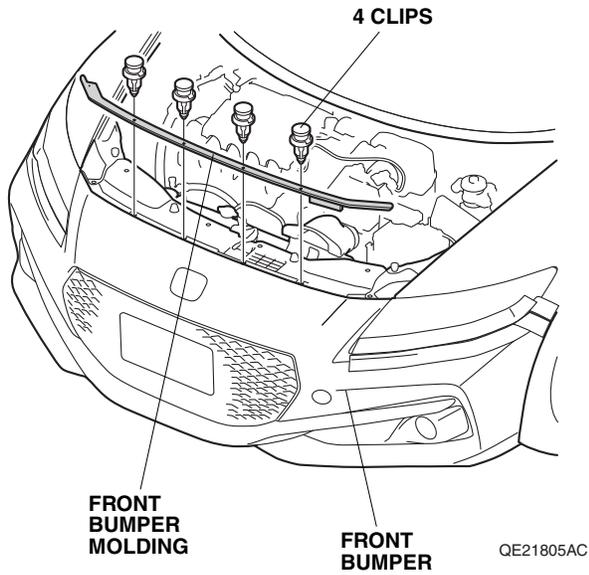
4. Attach masking tape to the front bumper, headlights and front fenders as shown.



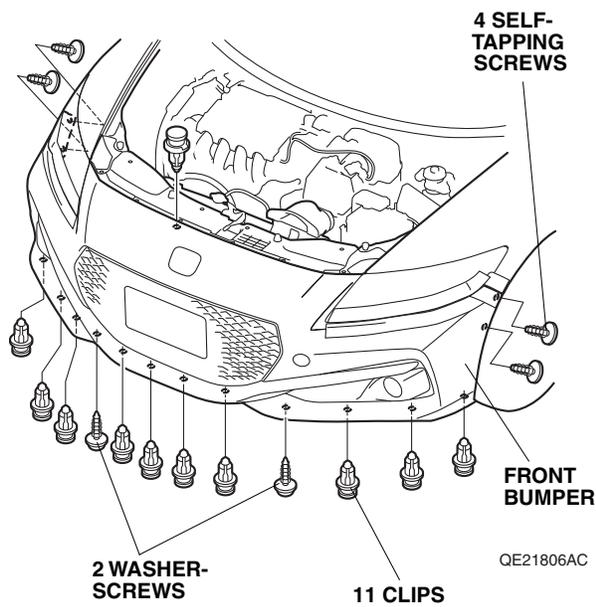
5. Remove the front bumper.
 - Remove the left and right front bumper side cover.



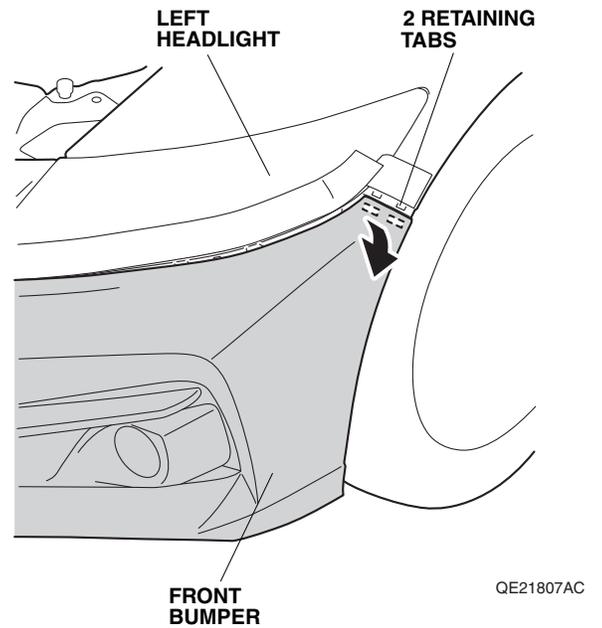
- Remove the front bumper molding.



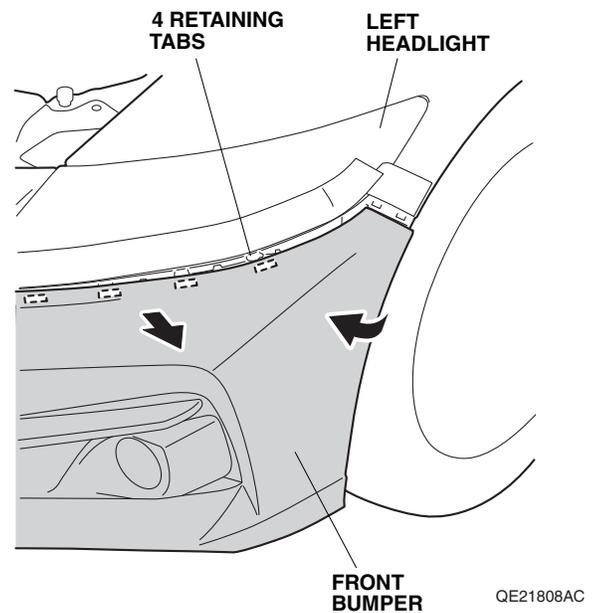
- Remove the four self-tapping screws, two washer-screws, and 11 clips.



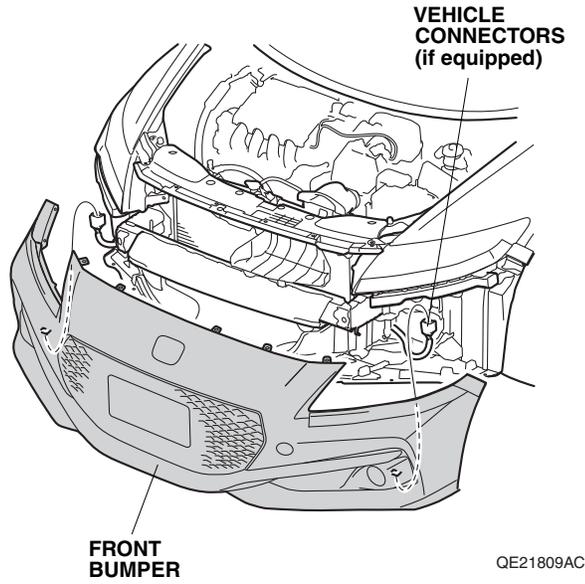
- With the help of an assistant, release two retaining tabs on each side of the bumper.



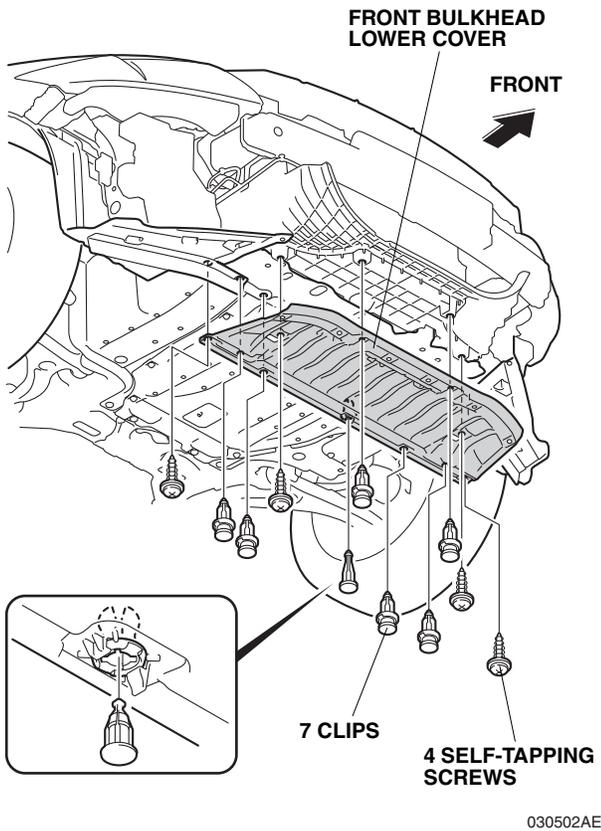
- With the help of an assistant, release four retaining tabs on each side of the bumper.



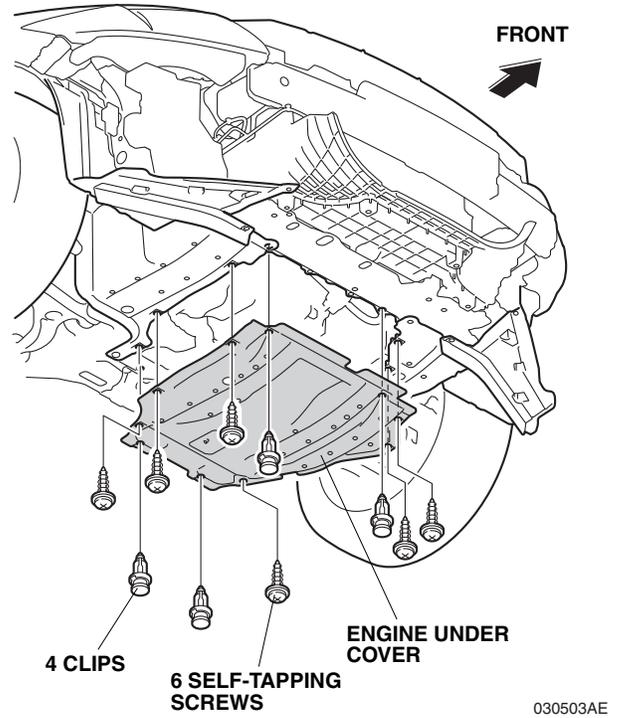
- With the help of an assistant, remove the front bumper (If the vehicle is equipped with the fog lights, unplug the vehicle connectors).
- Place the front bumper on a blanket.



6. Remove the front bulkhead lower cover.



7. Remove the engine under cover.

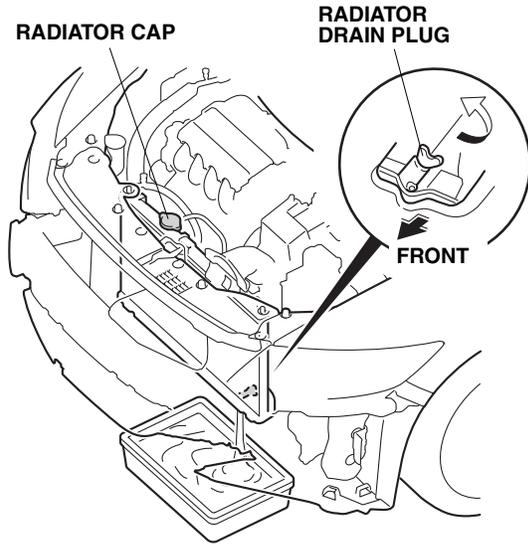


8. Remove the right under cover.



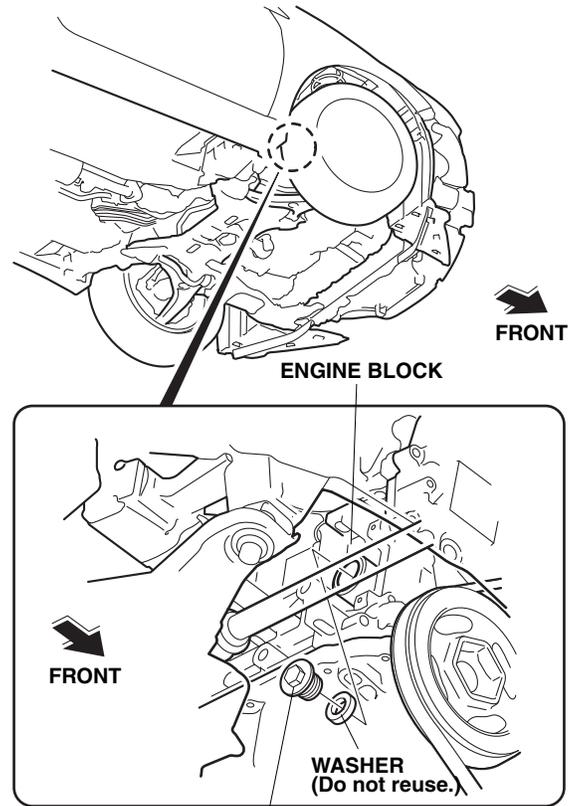
- Place a clean drain pan under the radiator drain plug, then remove the radiator drain plug from the bottom of the radiator to drain the coolant. Remove the radiator cap to increase the flow.

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



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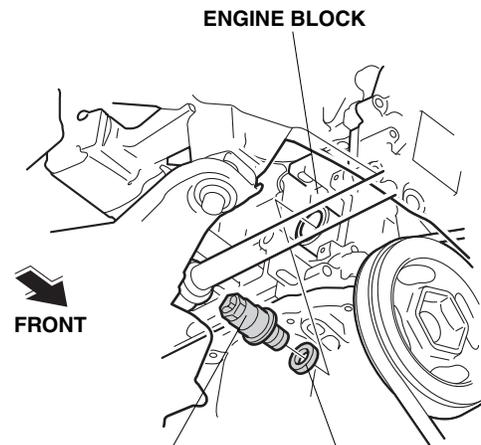
- Locate and remove the engine block drain bolt and washer. Coolant remaining in the engine jackets will flow out of the bolt hole when the bolt is removed. Retain the bolt; it will be used if the block heater is removed.



ENGINE BLOCK DRAIN BOLT
(Retain.)
Use a 19 mm socket.

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- Install the engine block heater and aluminum washer into the engine block using a 24 mm socket and a torque wrench. Torque the engine block heater to 80 N·m (8.2 kgf·m, 59 lb·ft).

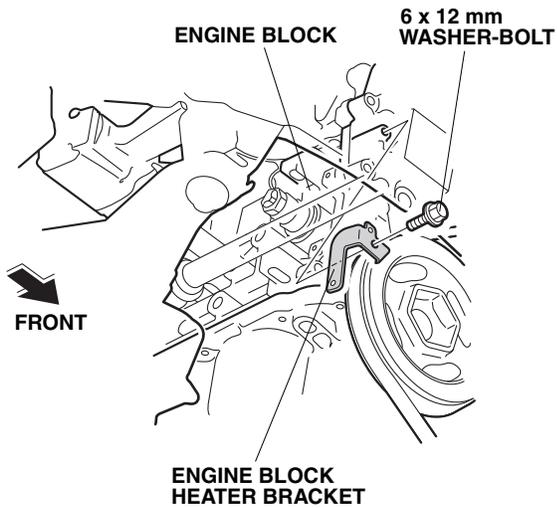


ENGINE BLOCK HEATER
80 N·m (8.2 kgf·m, 59 lb·ft)
Use a 24 mm socket.

ALUMINUM WASHER

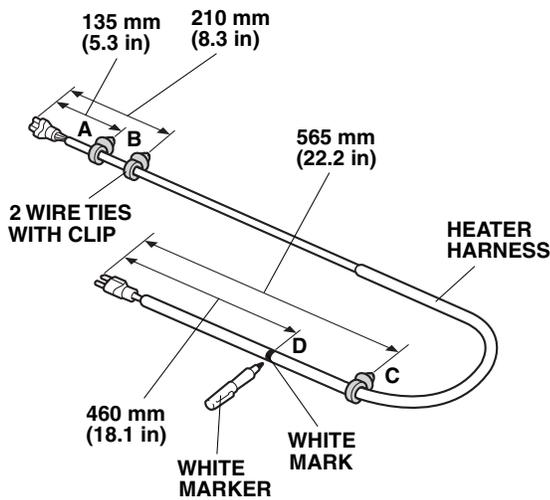
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12. Install the engine block heater bracket to the engine block with one 6 x 12 mm washer-bolt.



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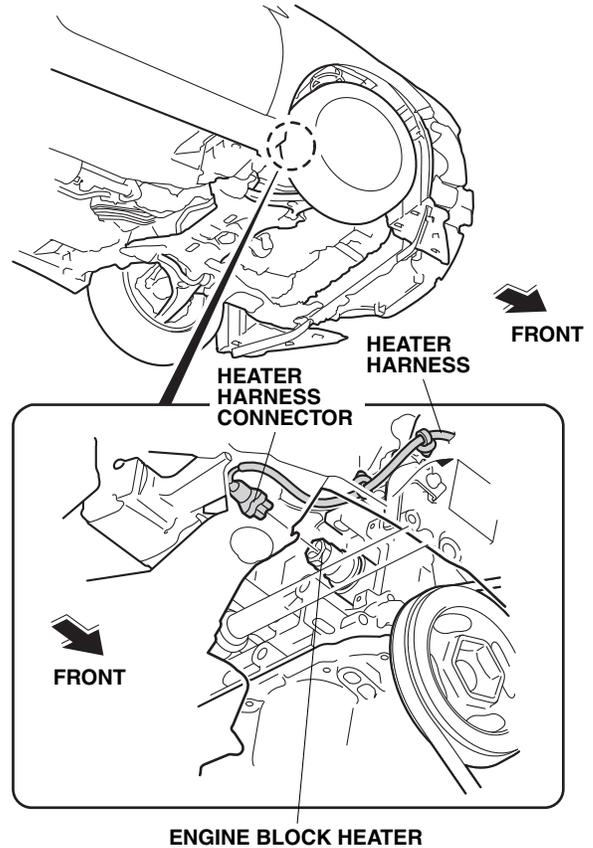
13. Get the heater harness. Using a tape measure, install three wire ties with clip to the heater harness at the measurements (A), (B), and (C).



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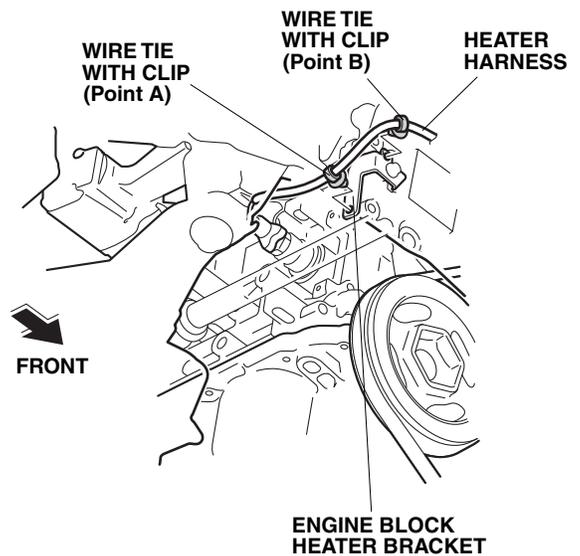
14. Using a white marker, mark the heater harness at the measurement (D).

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



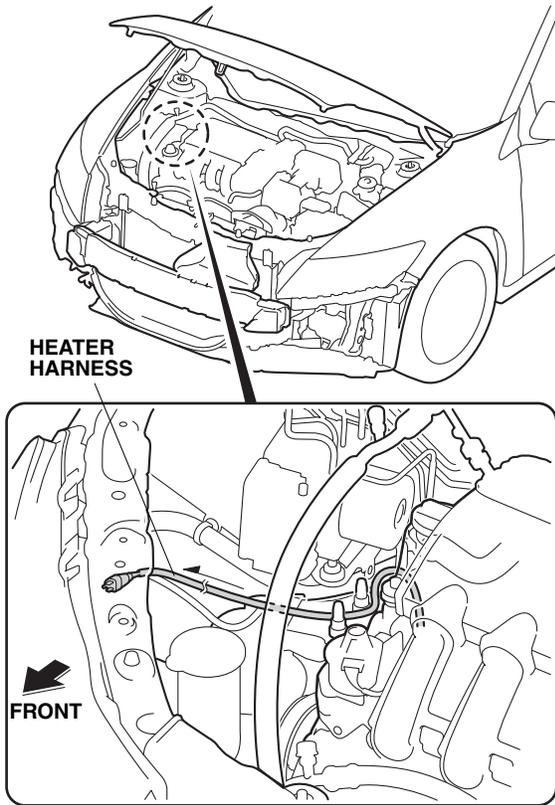
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16. Route the heater harness along the engine block, and secure it to the engine block heater bracket with two wire ties with clip at point A and point B.



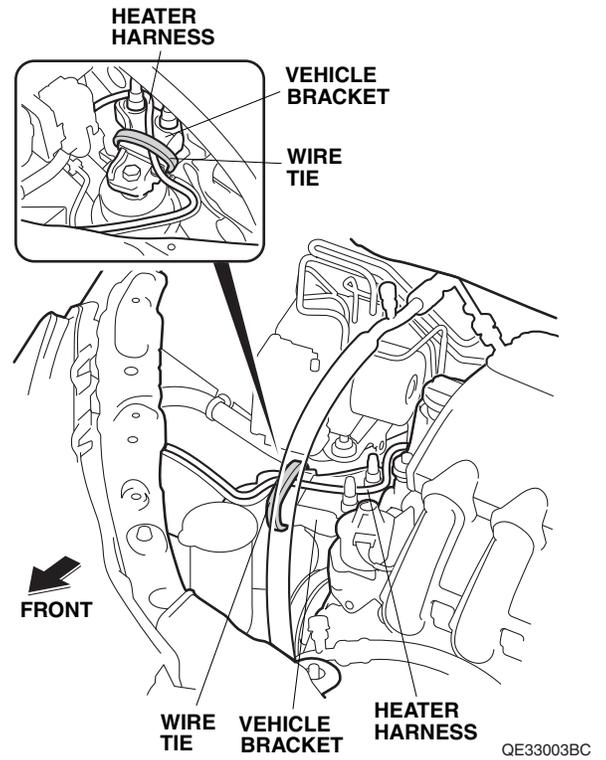
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17. Route the heater harness through the engine compartment as shown.

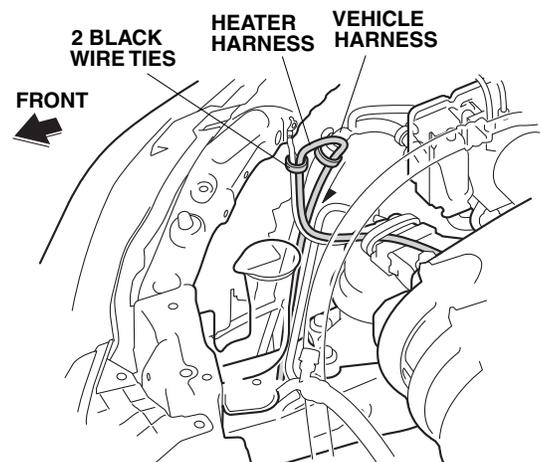


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18. Secure the heater harness to the vehicle bracket with one wire tie.

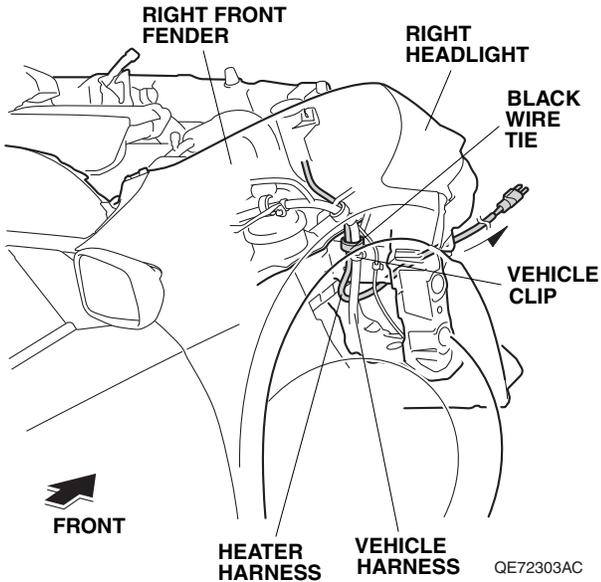


19. Route the heater harness along the vehicle harness, and secure it to the vehicle harness with two black wire ties.

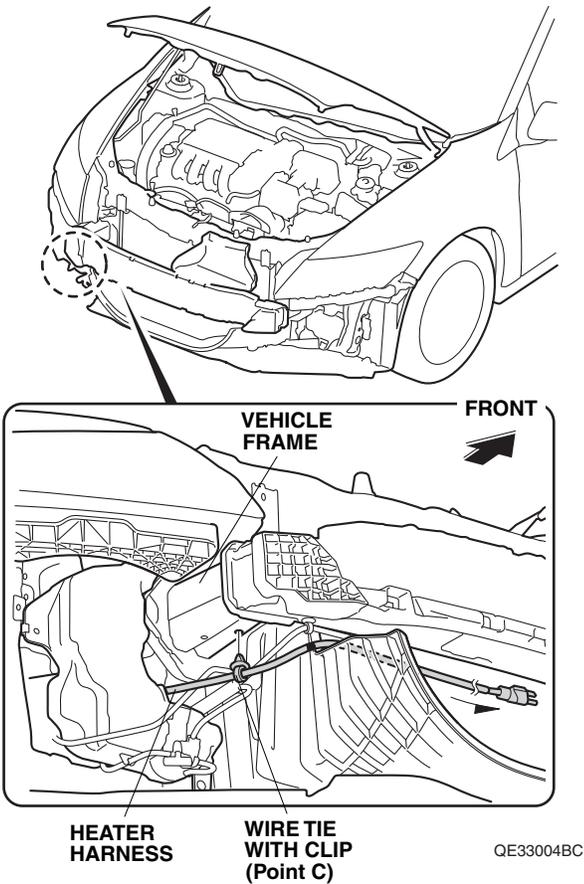


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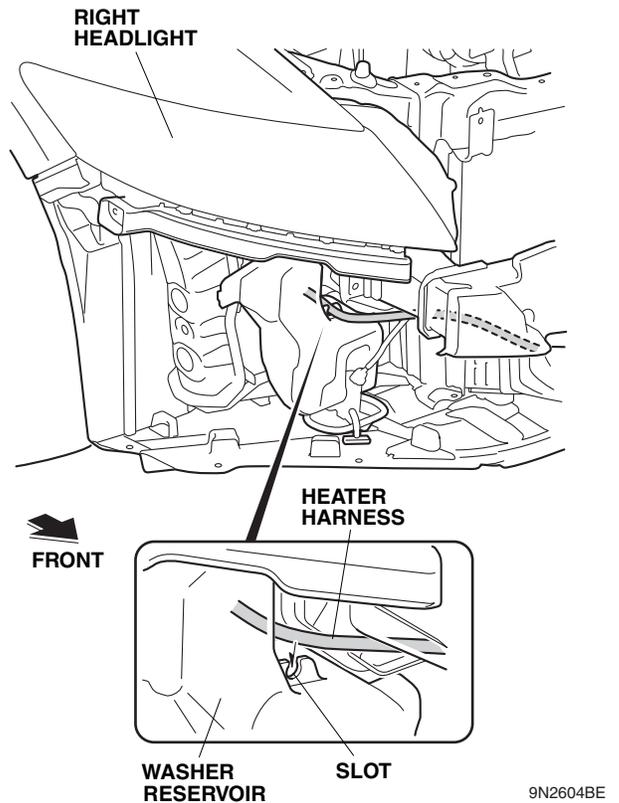
20. Route the heater harness forward, and secure it to the vehicle harness with one black wire tie.
- Do not secure the heater harness to the SRS harness.



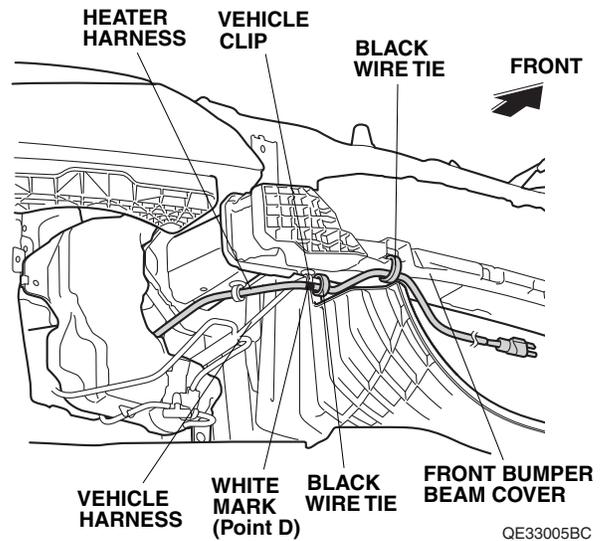
21. Route the heater harness along the front of the vehicle, and secure it to the vehicle frame with one wire tie with clip at point C.



22. Secure the heater harness to the slot in the washer reservoir.

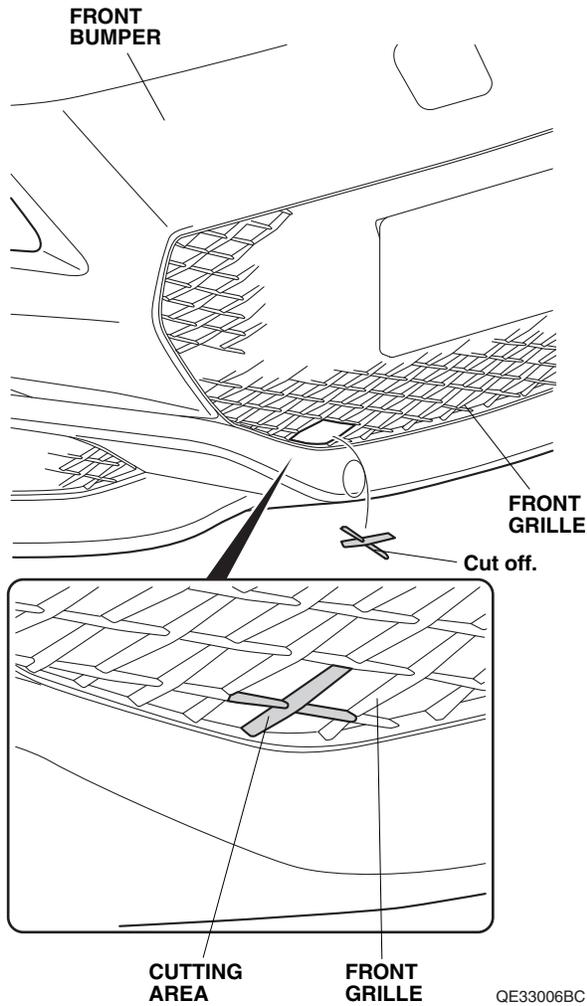


23. Align the white mark at point D to the vehicle clip on the front bumper beam cover, and secure the heater harness to the vehicle harness with one black wire tie.

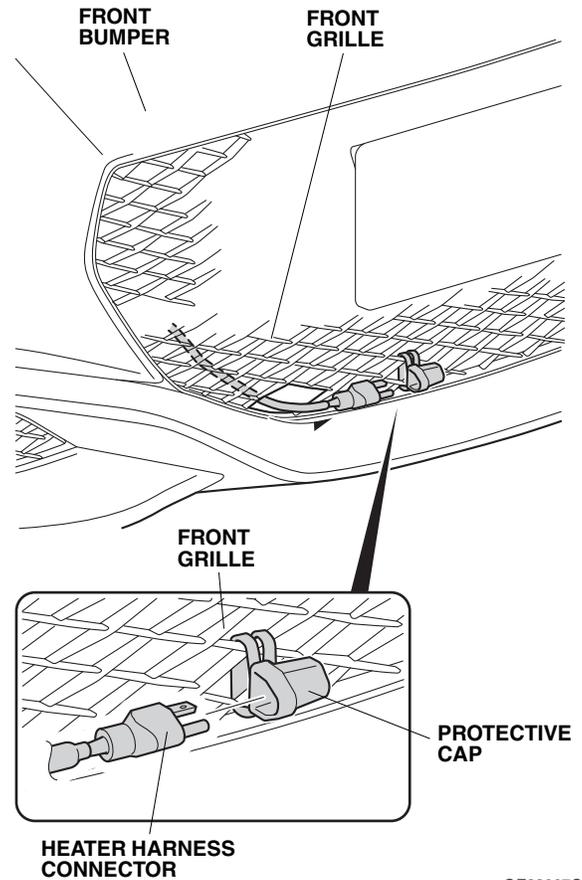


24. Secure the heater harness to the front bumper beam cover with one black wire tie.

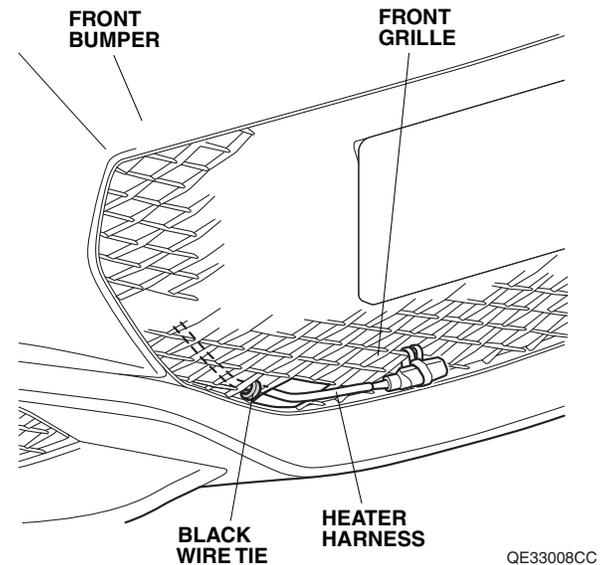
25. Using a hacksaw, cut the front grille as shown. Remove any burrs.



26. With the help of an assistant, loosely place the front bumper in its original position.



27. Install the protective cap to the front grille, and plug the heater harness connector into the protective cap.
28. Secure the heater harness to the front grille with one black wire tie.



29. Reinstall all removed parts.

30. Remove the radiator cap and fill the system with the recommended coolant. Follow the instructions in the Service Manual to fill the cooling system and check for leak. Particularly check that there is no leak around the engine block heater.
31. Reinstall the radiator cap.
32. Check that the heater harness is routed properly and all connectors are plugged in.
33. Store the drain bolt (removed in step 10) in the glove box.
34. Reconnect the negative cable to the battery.
35. Press and hold the audio unit power button for 2 seconds to restore the audio and navi (if equipped) system functions.
36. Reset the clock on vehicle without navigation.
37. If the IMA battery charge level indicator is at zero, start the engine and hold it between 3,500 and 4,000 rpm (without load) in Park or Neutral until the IMA battery charge level indicator is at least half charged level.