



INSTALLATION INSTRUCTIONS

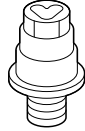
Accessory
ENGINE BLOCK HEATER
P/N 08T44-SNA-101

Application
2017 RLX
(EXCEPT HYBRID)

Publications No.
VERSION 1
Issue Date
AUG 2016

PARTS LIST

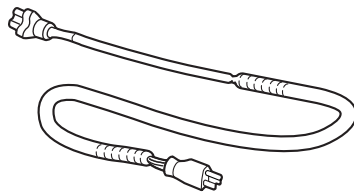
Engine block heater



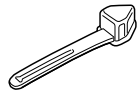
Aluminum washer



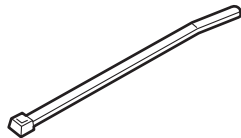
Heater harness



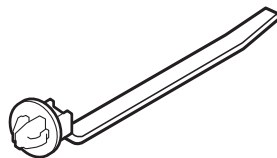
Protective cap



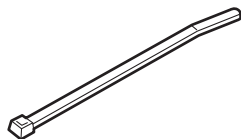
12 Black wire ties



7 Wire ties with clip
(6 Not used)



5 Wire ties (Natural)
(4 Not used)



TOOLS AND SUPPLIES REQUIRED

Phillips screwdriver

Ratchet

8 mm, 10 mm, 19 mm, and 24 mm Sockets

Torque wrench

Diagonal cutters

Heavy gloves

Drain pan

Tape measure

White marker

Coolant (Acura Long Life Antifreeze/Coolant Type 2)

Blanket

Fender cover

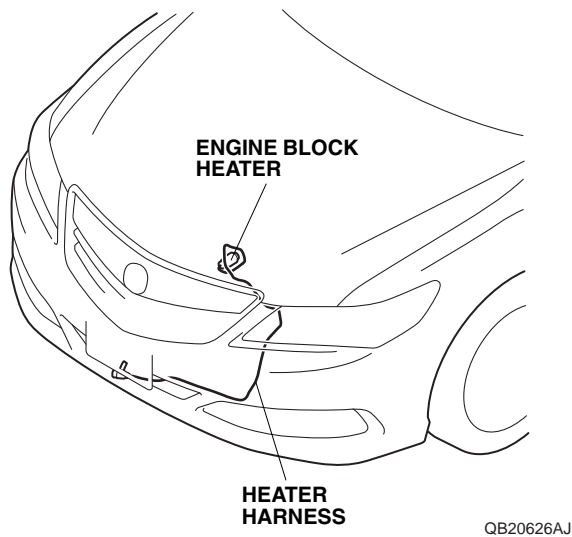
Tape

Shop towel

The following tool is available through the Acura 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



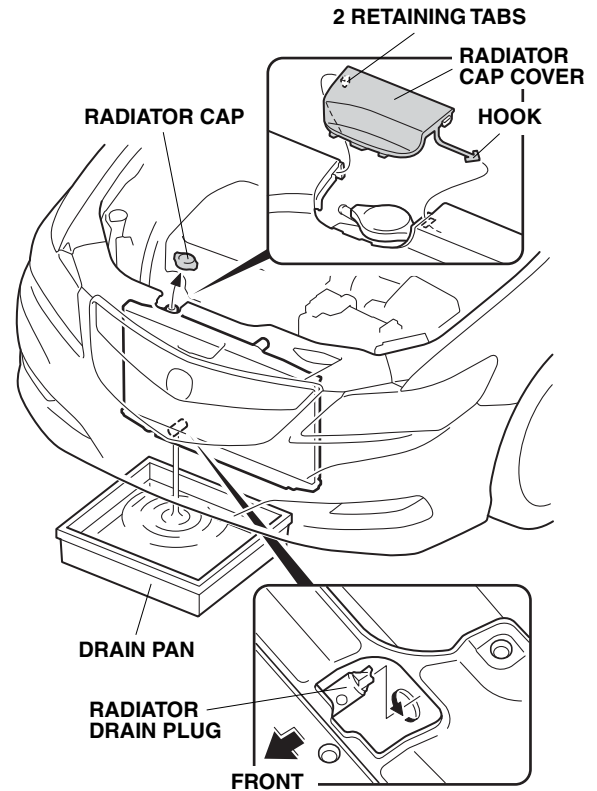
INSTALLATION

Client 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 Acura Long-Life Antifreeze/Coolant Type 2. Using a non-Acura 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. Remove the radiator cap cover.

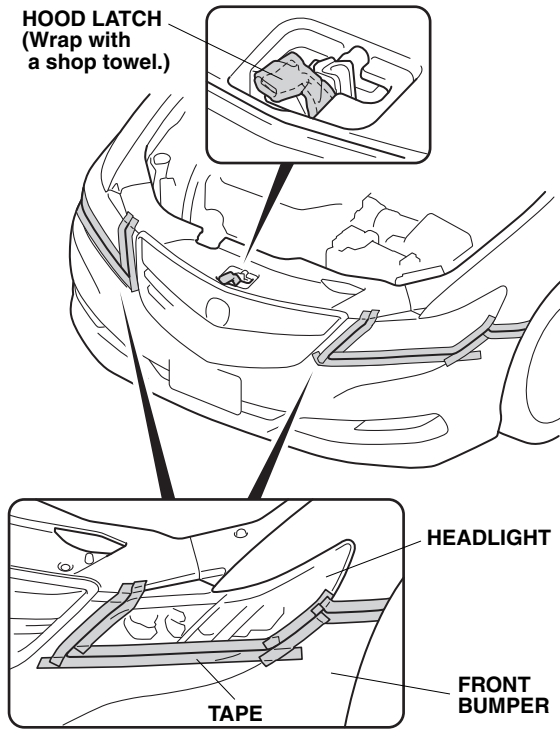


4. Place a clean drain pan under the radiator drain plug, then remove the drain plug from the bottom of the radiator to drain the coolant. Remove the radiator cap to increase the flow.

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

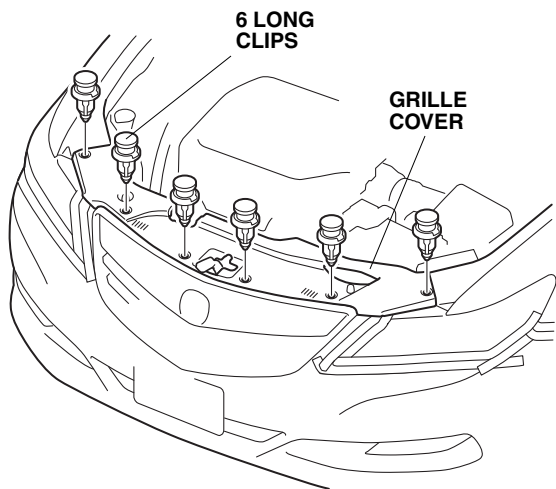
5. Drain the coolant completely, then reinstall the radiator cap.

6. Remove the front bumper:
 - Attach tape to the areas shown on each side.
 - Wrap a shop towel around the hood latch.



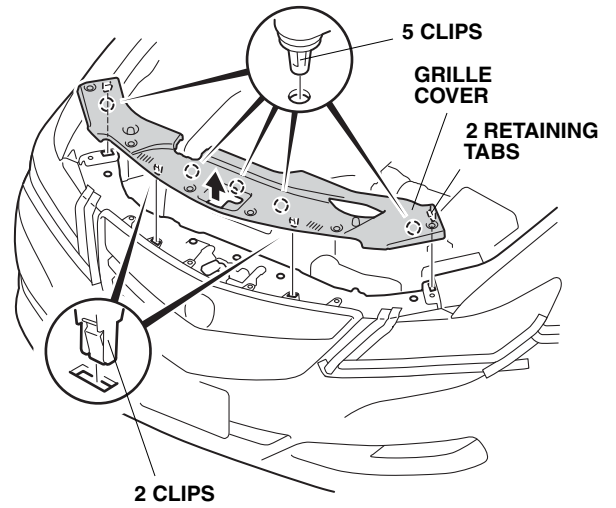
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- Remove six long clips.



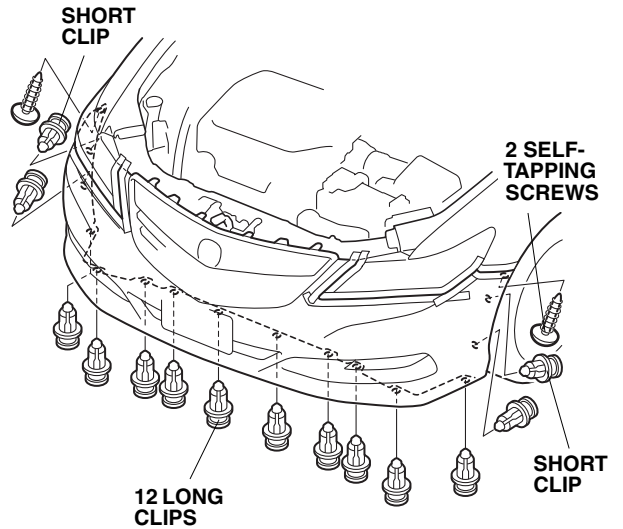
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- Remove the grille cover.



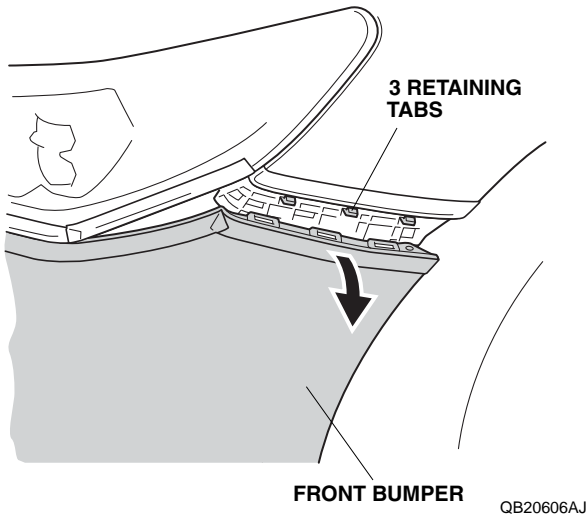
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- Remove two self-tapping screws, twelve long clips, and two short clips.

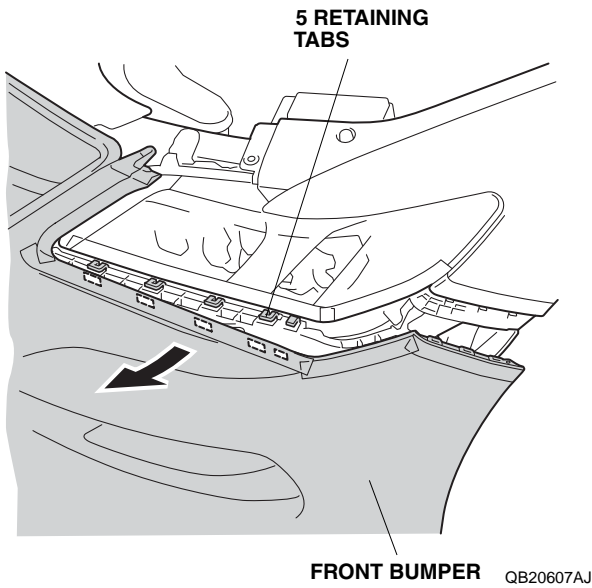


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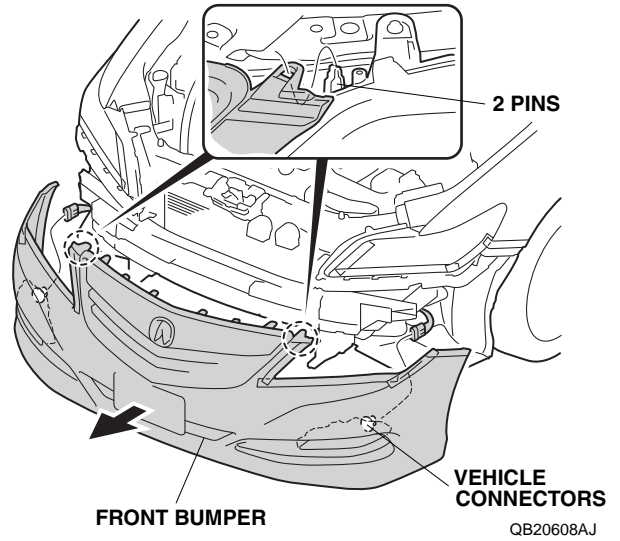
- Release three retaining tabs on each side.



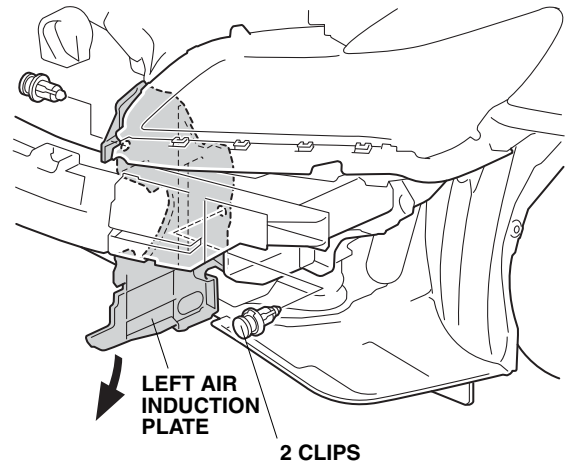
- With the help of an assistant, release five retaining tabs on each side.



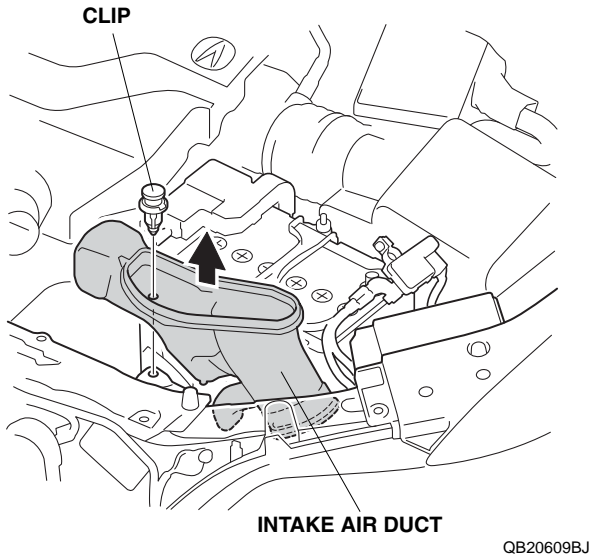
- With the help of an assistant, remove the front bumper and unplug the vehicle connectors. Place the front bumper on a blanket to prevent damage.



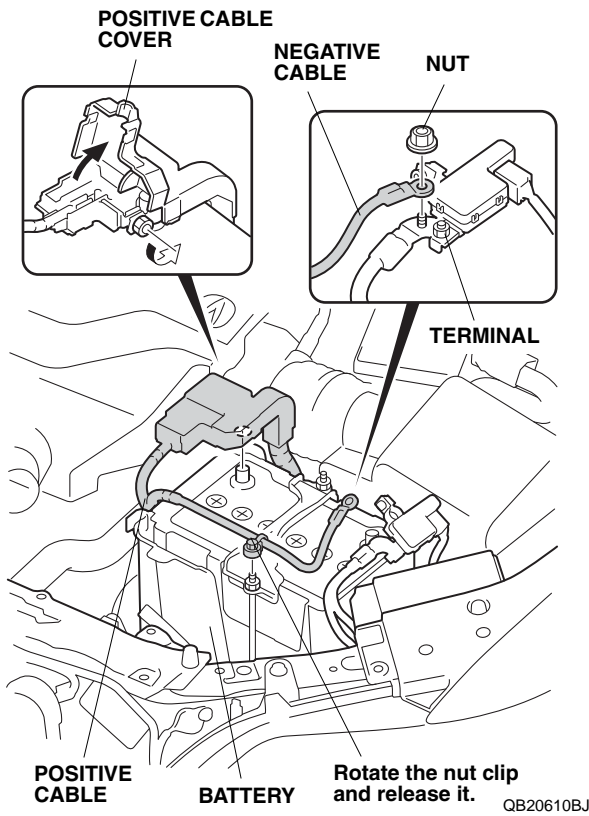
7. Remove the left air induction plate.



8. Remove the intake air duct.

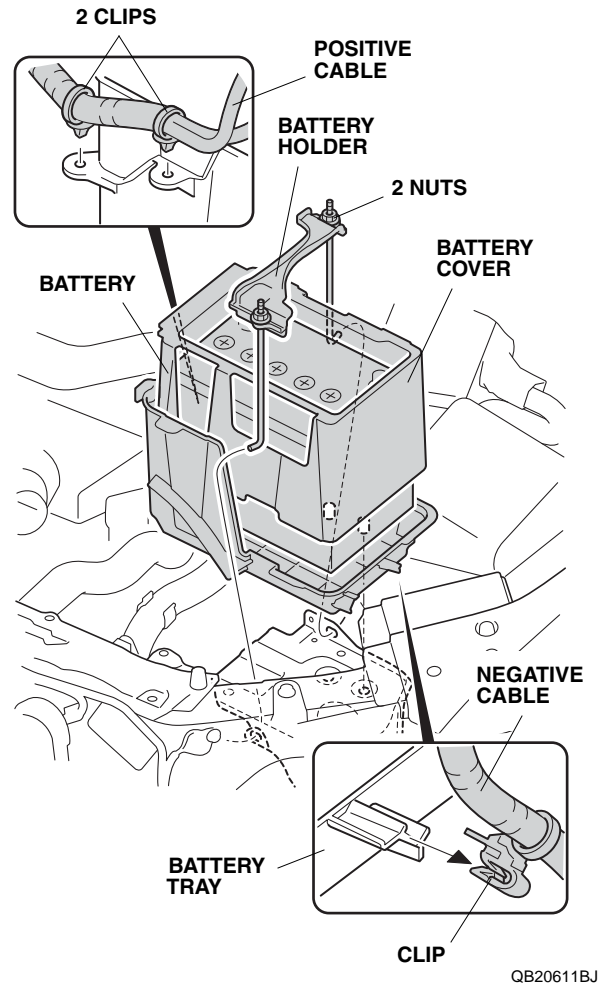


9. Open the positive cable cover and disconnect the positive cable from the battery.

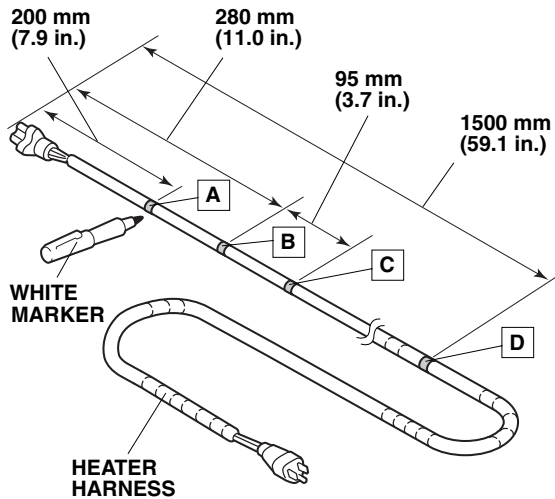


10. Disconnect the negative cable from the terminal .

11. Remove the battery.

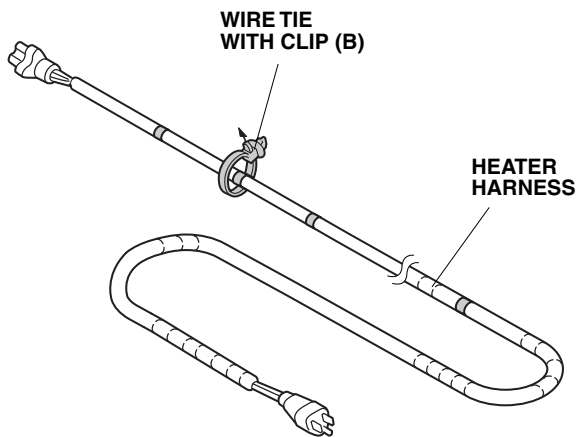


12. Get the heater harness. Using a tape measure, mark the heater harness at the measurements **A**, **B**, **C** and **D**.



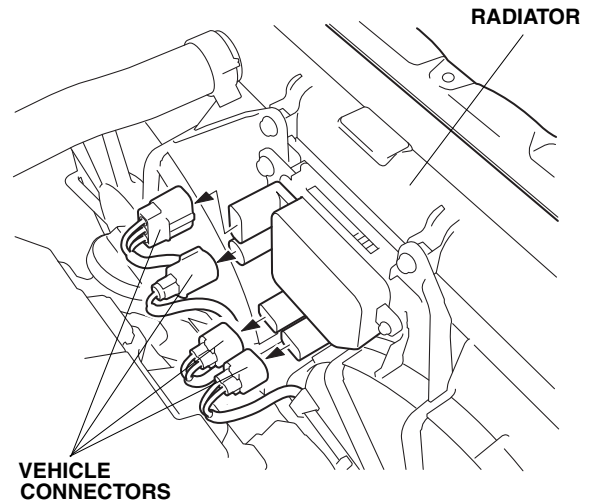
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13. Install one wire tie with clip to the heater harness at the measurement **B**.



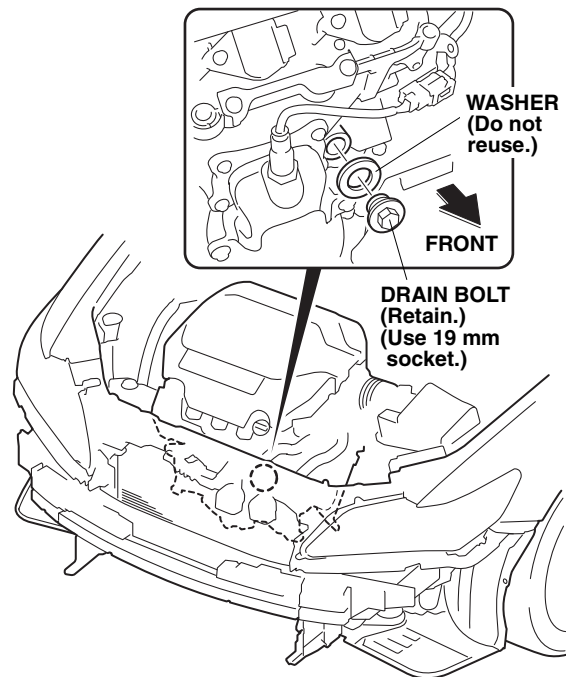
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14. Unplug the vehicle connectors.



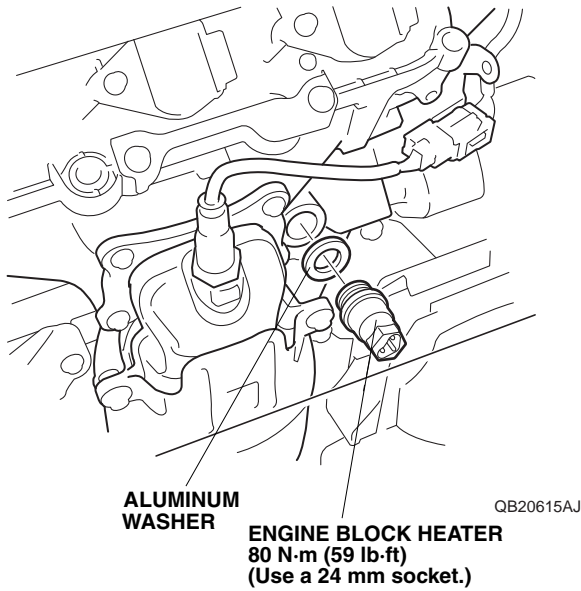
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15. Locate and remove the drain bolt and washer. Coolant remaining in the engine jackets flows out of the hole when the bolt is removed. Retain the bolt; it will be used if the block heater is removed. **NOTE:** Use a new washer if the drain bolt is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

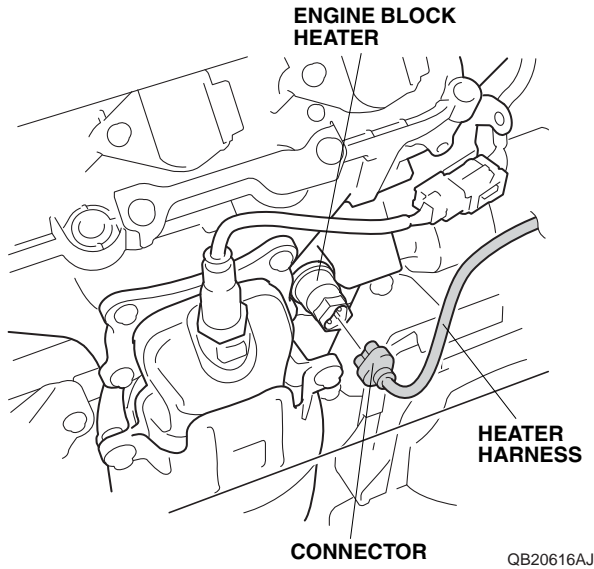


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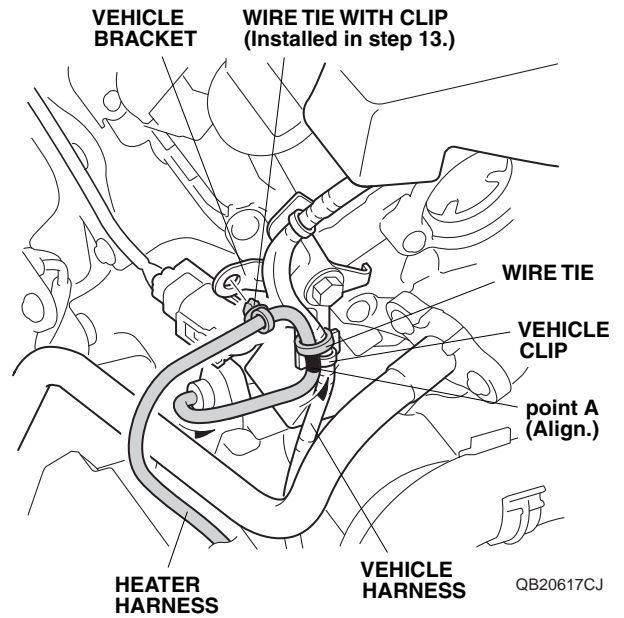
16. Install the engine block heater with the aluminum washer into the bolt hole using a 24 mm socket and a torque wrench. Torque the engine block heater to 80 N·m (59 lb·ft).



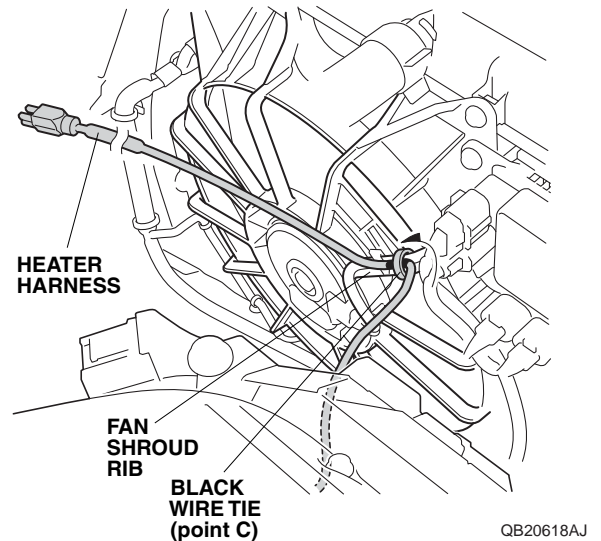
17. Re-plug the vehicle connectors unplugged in step 14.
18. Plug the heater harness connector into the engine block heater. Make sure the heater harness connector is fully seated in the engine block heater.



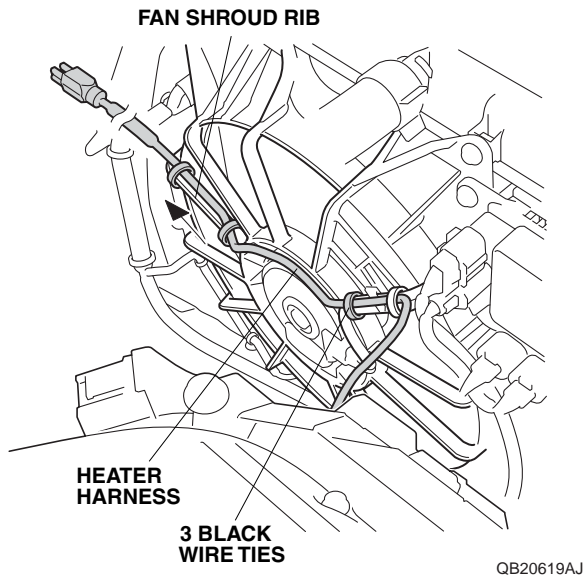
19. Route the heater harness in the direction shown, and align point **A** on the heater harness with the vehicle clip. Secure the heater harness to the vehicle harness with one wire tie.



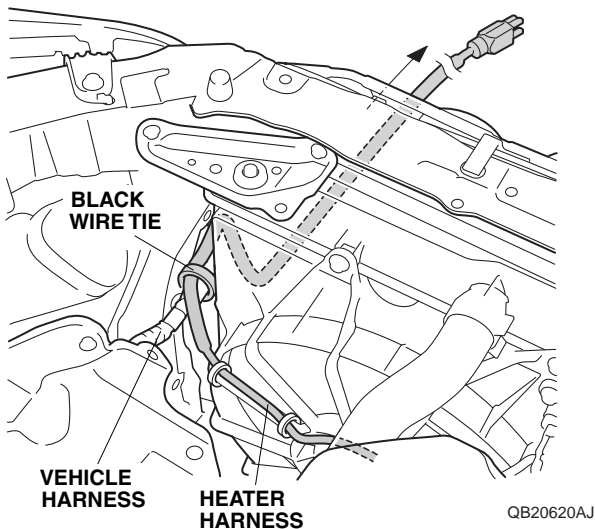
20. Secure the heater harness to the vehicle bracket with one wire tie with clip installed in step 13.
21. Route the heater harness toward the fan shroud, and secure the heater harness to the fan shroud rib with one black wire tie at the point **C**.



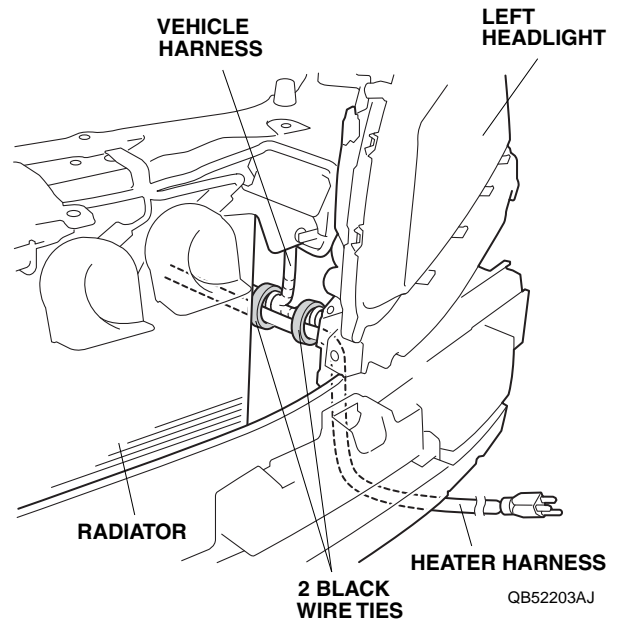
22. Route the heater harness across the fan shroud, and secure the heater harness to the fan shroud ribs with three black wire ties.



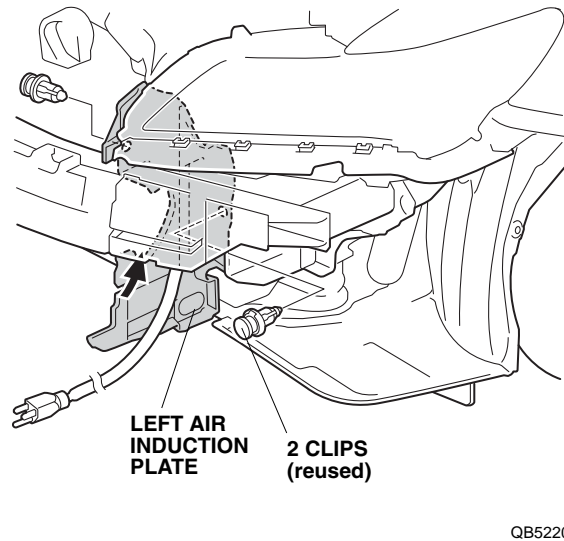
23. Route the heater harness through the front bulkhead, and secure the heater harness to the vehicle harness with one black wire tie.



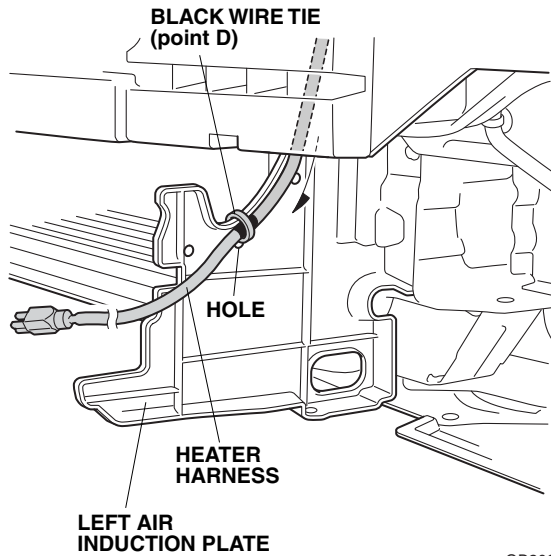
24. Secure the heater harness to the vehicle harness with two black wire ties.



25. Reinstall the left air induction plate.
NOTE: Make sure that the left air induction plate is properly installed.

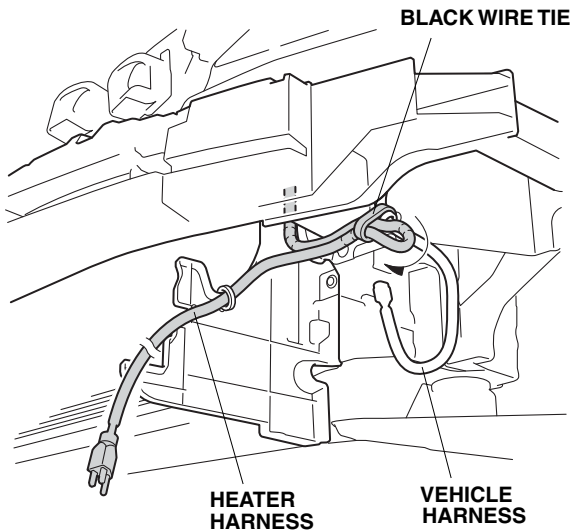


26. Route the heater harness down under the bumper beam, and secure the heater harness to the left air induction plate hole with one black wire tie at the point **D**.



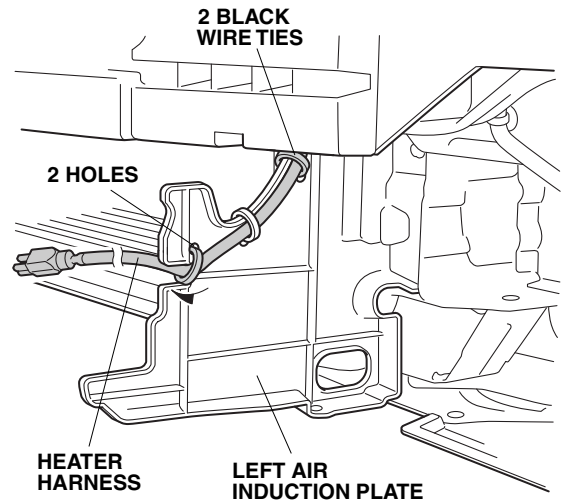
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27. Bundle up the heater harness and secure it to the vehicle harness with one black wire tie.



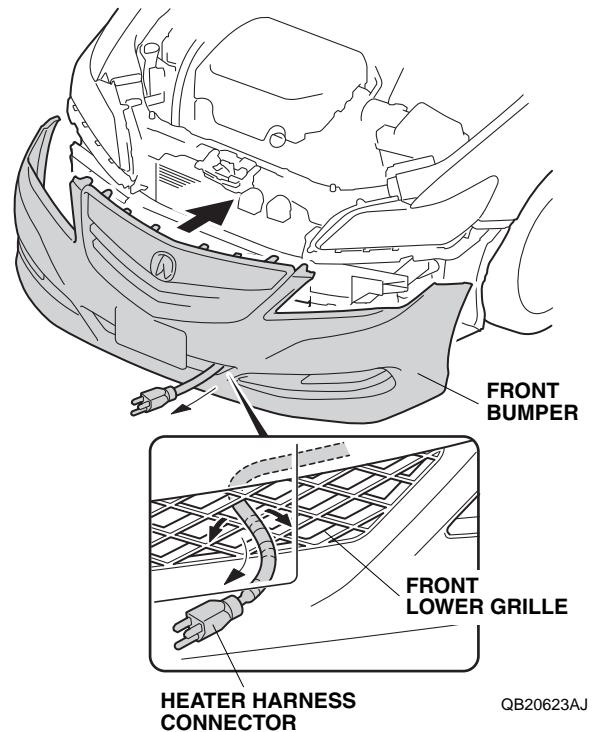
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28. Secure the heater harness to the left air induction plate holes with two black wire ties.



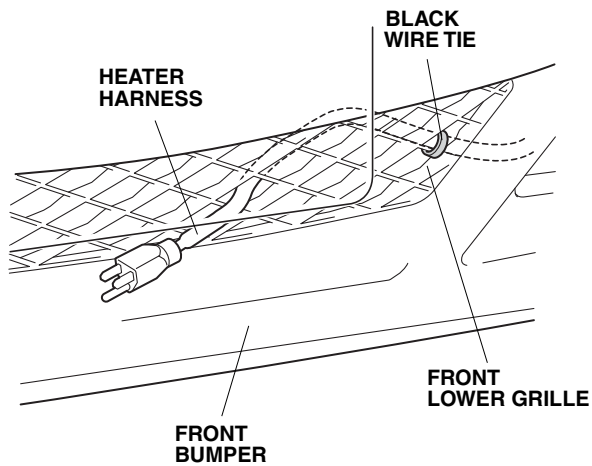
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29. With the help of an assistant, bring the front bumper close to the vehicle. Route the heater harness through the front lower grille, then reinstall the front bumper.



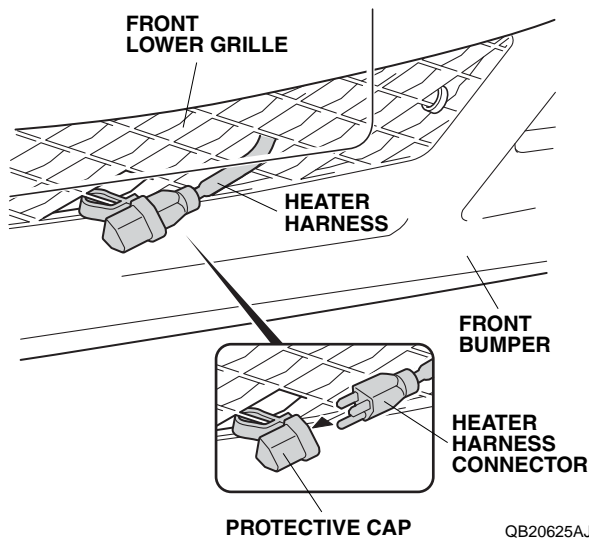
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30. Secure the heater harness to the front lower grille with one black wire tie.



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



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32. Install all removed parts.
33. Install the radiator drain plug.
34. 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. Particularly check that there is no leak around the engine block heater.
35. Make sure that the heater harness is routed properly and all connectors are plugged in.
36. Install the radiator cap.
37. Put the drain bolt (removed in step 15) in the glove box.
38. Connect the negative cable to the battery.
39. Press and hold the audio unit power button for two seconds to restore audi and navi (if equipped) system functions.
40. Set the clock on vehicles without navigation.